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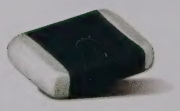
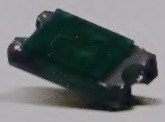


Multilayer Varistors



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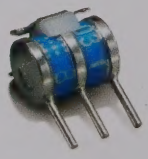
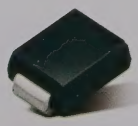
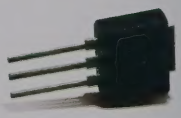


Gas Plasma Arresters



Teccor® SIDACtor® Protection Thyristors



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Pressure Sensors

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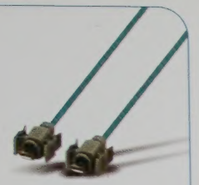

PHOENIX CONTACT
INSPIRING INNOVATIONS

Industrial Data Connection Systems

Provides Ethernet connections in harsh environments using a push/pull locking system for RJ45, USB, and firewire.
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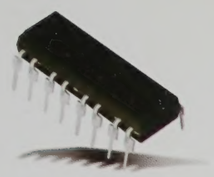
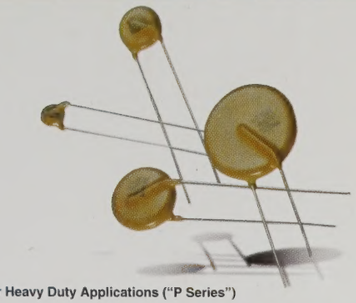


SHARP
MICROELECTRONICS OF THE AMERICAS

Photocouplers

These VDE certified products are for general applications such as telecommunication devices, white goods, and PLCs.
Pages: **87, 88**



AVX

Zinc Oxide Varistors for Heavy Duty Applications ("P Series")

The "P Series" is dedicated to heavy duty applications encountered in the AC power network. Zinc oxide varistors are used as protective devices for components or items of equipment subjected to electrical interference, whether accidental or otherwise.
Page: **409**

New Products highlight

NEW PRODUCT

Here are just a few of the new products added.
For a complete listing of all new products go to:
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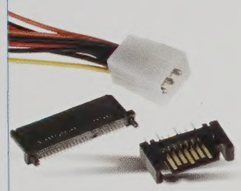


3M

SATA Cable Assemblies and Connectors

SATA is the next generation of serialized data transmission for data storage applications.
Page: **884**

OMRON
ELECTRONIC COMPONENTS

Power PCB Relays

Several new power PCB relays provide switching capacity of up to 30A in a variety of contact configurations.
Pages: **1243—1246**

ITW Switches

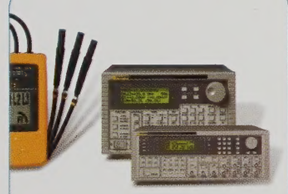
Pushbutton Switches

These zinc alloy sealed switches keep out dust and moisture.
Page: **1152**

Lattice Semiconductor Corporation

EC/ECP FPGAs

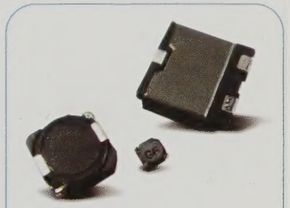
These new, low-cost FPGAs offer memory, DDR interface, and DSP functionality.
Page: **190**



FLUKE

Test Equipment

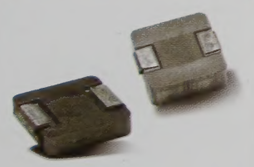
New Signal Generators, Waveform Generators, and Phase Rotation Indicators from Fluke.
Page: **1567**



sumida

Power Inductors

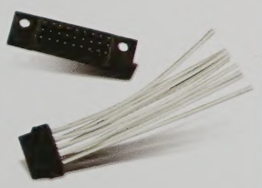
These power inductors impede the flow of current/voltage in AC circuits, allowing the short-term storage of power.
Pages: **705, 706**



VISHAY

Low Profile SMD Inductors

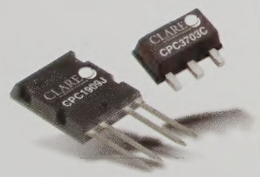
IHLP4040DZ and the IHLP2525AH handle high-transient current spikes without saturation.
Page: **710**



HARWiN

2mm Datamate Connectors

The Datamate range is a professional connector system that sells at commercial prices.
Pages: **1014, 1015**



CLARE
An IXYS Company

OptoMOS® and Power Solid State Relays

The OptoMOS® line of solid state relays delivers fast, reliable, bounce-free switching in a compact design.
Page: **1261**

molex

Serial ATA (SATA) Connectors

Allows products to create, store, and distribute vast amounts of data with higher speed in a smaller form factor.
Page: **883**

New Technologies highlight

NEW! TECHNOLOGY

Here are just a few of the new technologies added.
For a complete listing of all new technologies go to:
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All new technology products can be identified by a **RED** banner on the outside of the page or a new technology logo by the part.

OMRON
ELECTRONIC COMPONENTS

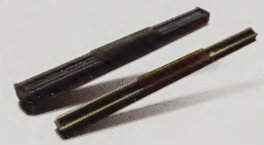
Optical Network Devices

These new devices turn recent theory into real solutions for tomorrow's high-speed, free-space fiber/data communication links.
Page: **1357**

Pomona ELECTRONICS

XLR Triple Binding Post Adapters

This new adapter makes it easy to split signals from the 3 XLR audio conductors via 5-way binding posts.
Page: **824**

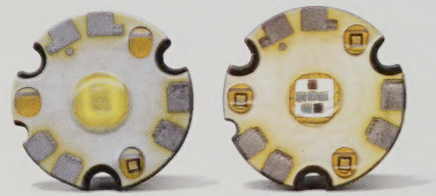


JAE

MicoDimm Connector

This WA6 Series is the new DDR2 MicroDimm standard.

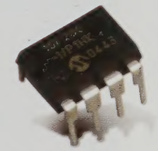
Page: **1019**



lamina

BL-4000 Light Sources

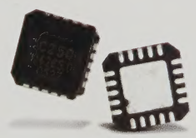
The BL-4000 is the brightest and smallest RGB light source available and is designed for optimal color mixing.
Page: **55**



MICROCHIP

PIC10FXXX MCUs

These MCUs feature high-performance RISC CPU and Low-Power CMOS Technology.
Page: **134**



Chipcon

CC1100 & CC2500 RF Transceivers

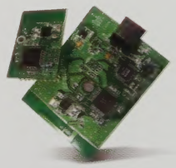
These two low-cost RF transceivers offer superior performance and low-power consumption in a tiny package.
Page: **115**

Amphenol®

RADSOK® Power Bus Connectors

Higher power in a smaller package.

Page: **930**



DLP Design

IEEE 802.15.4/ZigBee™ Modules

DLP Design is pleased to announce the forthcoming DLP-RF1 and DLP-RF2 2.4GHz, ZigBee™ ready transceivers.
Page: **116**

Environmental Commitment

RoHS Compliant* Sample Kits

Turn to pages 1635—1637 to view a variety of RoHS Compliant* Sample Kits.

New Suppliers highlight

NEW SUPPLIER

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freescale semiconductor — Pages: **117, 129—133, 221**

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sumida — Pages: **705, 706**

SYFER — Page: **575**

*All components contained in these kits are RoHS compliant per producer documentation.

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AMULET TECHNOLOGIES Graphical Display Solutions

Amulet Technologies

ulet Technologies offers graphical display solutions that include controller boards and LCD modules. All feature the patent-pending Amulet Graphic Operating System (OS) chip (also sold stand-ne). All offer easy hardware integration path from prototype to production. The chip includes a dedicated GUI microprocessor, LCD controller, and graphical library. The GUI is visually created h HTML based development tools for rapidly creating good looking and feature-rich graphical user interfaces (GUI's). Amulet's expertise is graphical LCD integration and control.

Amulet Technologies

GRAPHICAL OS LCD STARTER KIT - The fastest path for integrating a graphical user interface (GUI) into embedded products.

671-STK-AOB3202405
Starter Kit Shown

STK-AOB3202405 Kit Contains:
- 5.7" 1/4 VGA Monochrome Display
- White LED Backlight
- Fully Integrated Analog Touch Panel
- Amulet's Graphical OS Chip fully integrated on the back of the display
- Graphical OS Development Software
- 5VDC Power Supply
- Serial Cable
- Stylus Pen
- Programmable Interface Board

STK-GT380 Kit Contains:
- MKGT380B Display
- 3.8" 1/4 VGA STN Blue Monochrome Display
- Bright-white LED Backlight
- Fully Integrated Analog Touch Panel
- AC Adapter Power Supply
- LCD Controller Board with Graphical OS Controller Chip
- Graphical OS Development Software & Compiler
- Serial Cable
- Stylus Pen

Use these starter kits to evaluate the GRAPHICAL OS hardware and software, and to create the user-interface for your end product. Then use the module kits, controller boards, and Graphical OS controller chip to go from prototype-to-production (below).

MOUSER STOCK NO.	Description	Price Each
671-STK-GT380	Starter Kit with MK-GT380B display and AC power adapter	329.00
671-STK-AOB3202405	Starter Kit with MK-AOB3202405X module and 5VDC power supply	399.00

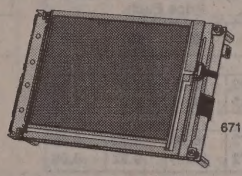
Amulet Technologies

GRAPHICAL OS LCD MODULE KIT - The most complete LCD solution for production.

t Contains:
4 VGA Monochrome Backlit Display
lly Integrated Analog Touch Panel
CD Controller Board with Graphical OS Controller Chip

OTE: If purchasing an above unit for evaluation, you will also d to purchase a Program Interface Board **(PIB-1)**. These dules require a 5V power supply **(SAD105-SF5C)** if you do already have a 5V power supply.

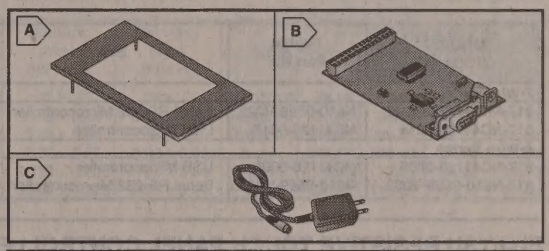
elopment software can be purchased separately (below).



671-MK-GT570-A
Shown

MOUSER STOCK NO.	Description	Price Each
671-MK-GT380B	3.8" STN Blue Display with bright-white backlight	239.00
671-MK-GT380T	3.8" FSTN Transflective Display with bright-white backlight	239.00
671-MK-AOB3202405T	5.7" Transflective Graphic Display and 5VDC power supply	279.00
671-MK-AOB3202405B	5.7" Blue Transmissive Graphic Display and 5VDC power supply	279.00
671-MK-AOB3202405N	5.7" Negative Transmissive Graphic Display and 5VDC power supply	279.00

ACCESSORIES FOR LCD MODULES

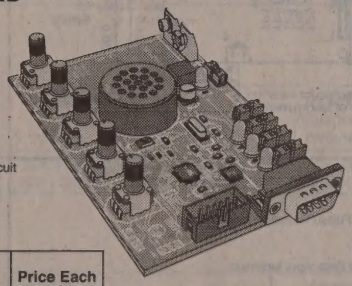


MOUSER STOCK NO.	Fig.	Description	Price Each
671-BZ-AOB5	A	Bezel Kit for 671-MKAOB3202405X	24.95
671-PIB-1	B	Prog. Interface Board for Amulet On-Board Modules	30.00
671-SAD105SF5C	C	5VDC Supply for AMlet Modules	10.00

Amulet Technologies

I/O SIMULATOR BOARD

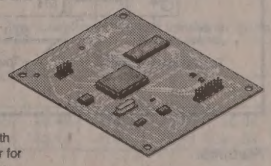
se the I/O Simulator Board to rapidly evaluate and st your Easy GUI Graphical User Interface Designs! llows testing of your UI, independent of your embedded micro imulates your embedded micro S232 interface to Graphical OS display products seful debugging tool cludes Atmel AVR Micro, switches, potentiometers, LED's and audio circuit VR is programmed and ready-to-go reat educational tool!



MOUSER STOCK NO.	Description	Price Each
1-IO3001	I/O Simulator Board	99.00

GRAPHICAL OS LCD CONTROLLER BOARD - The quickest path for taking a graphical LCD from prototype-to-production.

Features:
- Serial Interface
- Touch Screen Decoder
- Graphical OS Controller Chip
- Supports Single-Scan Monochrome Displays up to full-VGA resolution



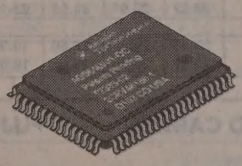
The CB-GT570 controller board can be used with 3.3- or 5.0-volt displays and includes an inverter for a CCFL backlight. Development software can be purchased separately (below).

MOUSER STOCK NO.	Description	Price Each
671-CB-GT570	6.5" x 4.25" Controller Board	179.00

Amulet Technologies

GRAPHICAL OS CONTROLLER CHIP

mbination LCD Controller and user-interface engine makes it easy to grate LCD's into embedded products that use 8/16/32-bit micros and DSP's. places traditional LCD controller chip. Eliminates need for complex code to w each pixel on LCD. Chip renders graphical user interface (GUI) pages taining graphic images, widgets, and other UI objects directly to LCD. Works single-scan, monochrome displays, up to full VGA. Rapidly create GUI g HTML-based development platform. Development software can be chased separately (below) or comes bundled with Graphical OS Starter Kits ove).



MOUSER STOCK NO.	Description	Price Each			
		1	100	500	1000
1-AGB64LV01-QC	Combination LCD controller & user interface chip	30.00	29.00	28.00	27.00
1-AGB64LV01-QC-E	LCD controller chip - Pb free	30.00	29.00	28.00	27.00

Amulet Technologies

GRAPHICAL OS DEVELOPMENT SOFTWARE

For use with Graphical OS Controller Chip, LCD Controller Boards, or LCD Modules. Includes Amulet Operating System, HTML-Compiler with built-in flash programmer, Windows Font Converter, Protocol Simulator, and all user help documentation, plus an evaluation version of a web page authoring tool. Enables you to quickly and easily create feature-rich graphical user interfaces (GUI's) for embedded systems, using web page editing tools. Compiler then compresses HTML, GIF, and JPEG files and converts them to Amulet μHTML pages. Includes widgets for creating UI objects such as bargraphs, lineplots, check boxes, function buttons, radio buttons, text strings, numeric fields, etc.

MOUSER STOCK NO.	Description	Price Each
671-UHT-CS1	Amulet compiler software.	99.00

FUJITSU LCD Touch Panels and Accessories

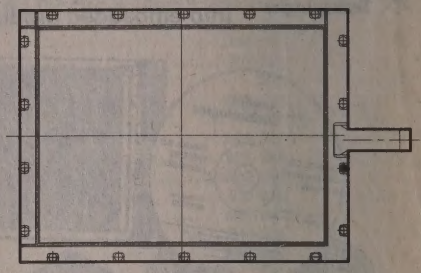
FUJITSU

FUJITSU TOUCH PANELS

Features:

- Superior long life using a unique construction method offering improved life over typical technologies; by sensing data input only on the glass layer typically a 10x improvement in product life is achieved.
- Excellent specification and high quality
- Anti-Newton ring technology
- High reliability materials
- 1.1mm glass with AG topcoat

MOUSER STOCK NO.	Fujitsu Part No.	Fits LCD Size (IN)	Style	Transparency	Price Each 1	25	50	100
7-Wire Series								
817-N010-0510-T302	N010-0510-T302	17	Pen & Finger	80%	130.89	122.75	113.93	
817-N010-0510-T211	N010-0510-T211	15	Pen & Finger	80%	127.62	119.16	111.03	Call
817-N010-0550-T711	N010-0550-T711	12.1	Pen & Finger	80%	71.67	67.15	62.35	For
817-N010-0550-T811	N010-0550-T811	11.3	Pen & Finger	80%	65.72	61.62	57.17	Quote
817-N010-0550-T611	N010-0550-T611	10.4	Pen & Finger	80%	54.05	50.68	47.02	
4-Wire Series								
817-N010-0554-T801	N010-0554-T801	12.1	Pen & Finger	80%	60.69	57.20	52.82	
817-N010-0554-T341	N010-0554-T341	10.4	Pen & Finger	80%	53.57	45.99	42.47	
817-N010-0519-T741	N010-0519-T741	8.4	Pen & Finger	86%	42.49	40.05	36.99	Call
817-N010-0554-T506	N010-0554-T506	8.4	Pen & Finger	80%	36.88	34.74	32.09	For
817-N010-0554-T046	N010-0554-T046	6.4	Pen & Finger	86%	28.63	26.17	24.17	Quote
817-N010-0554-T042	N010-0554-T042	6.4	Pen & Finger	80%	21.90	20.63	19.05	
817-N010-0554-T001	N010-0554-T001	5.7	Pen & Finger	80%	18.57	17.49	16.15	
817-N010-0554-T701	N010-0554-T701	3.8	Pen & Finger	80%	10.95	10.32	9.53	



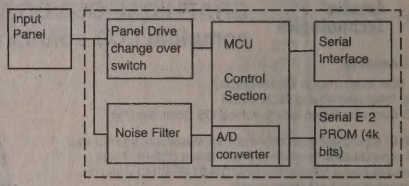
FUJITSU RESISTIVE TOUCH PANEL CONTROLLER ICS

Features:

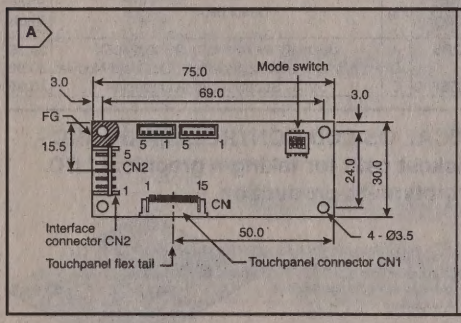
- High quality and reliability touch panel controller
- Serial Interface (RS-232)
- Used to control the 7-Wire resistive touch panels
- 64 pin PQFP MCU with masked ROM

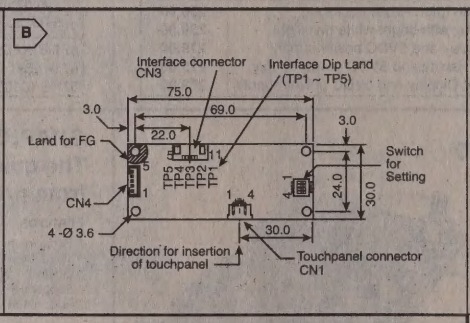
For quantities of 250 and up, call for quote.

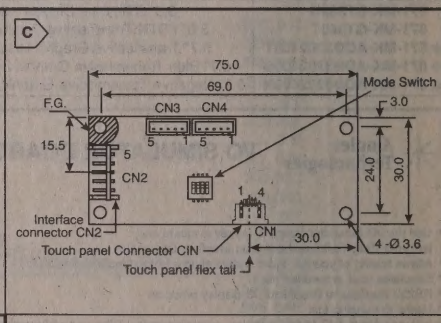
MOUSER STOCK NO.	Fujitsu Part No.	Size	Style	Price Each 1	25	50	100
7-Wire Series							
817-N010-0559-V022	N010-0559-V022	Serial RS-232 Microcontroller	plug & play	8.82	8.31	7.67	7.14
817-NC41120-0015	NC41120-0015	USB Microcontroller	-	8.82	8.31	7.67	7.14
4-Wire Series							
817-NC41120-0005	NC41120-0005	USB Microcontroller	-	10.72	10.10	9.32	8.68
817-N010-0559-V032	N010-0559-V032	Serial RS-232 Microcontroller	plug & play	10.72	10.10	9.32	8.68



FUJITSU RESISTIVE TOUCH PANEL CONTROLLER BOARDS





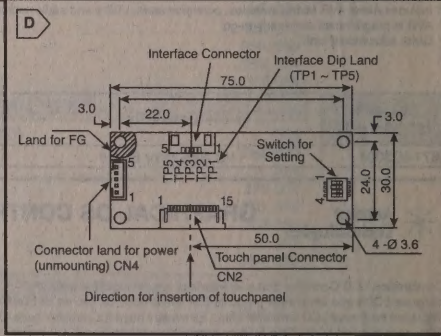


Features:

- Small footprint PCB
- Supports all major OS types with Fujitsu Driver software
- A complete solution for quick prototype to production use or as a design tool to speed up application and compatibility testing

Main Applications:

- For use with any of the Fujitsu Resistive Touch Panels
- Point of Sale devices
- Access terminals
- Monitoring Systems and Data input terminals



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Size	Price Each 1	25	50	100
7-Wire Series							
817-N16B-0558-B240	N16B-0558-B240	A	Serial RS-232 Interface board	28.57	26.91	24.85	23.14
817-N16B-0558-B720	N16B-0558-B720	B	USB 1.1 Interface board	28.57	26.91	24.85	23.14
4-Wire Series							
817-N16B-0558-B230	N16B-0558-B230	C	Serial RS-232 Interface board	23.57	22.20	20.50	19.09
817-N16B-0558-B710	N16B-0558-B710	D	USB 1.1 Interface board	23.57	22.20	20.50	19.09

FUJITSU RESISTIVE TOUCH PANEL CONTROLLER BOARD CABLES

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Size	Price Each 1	25	50	100
817-CABLE-RS232	CABLE/RTP/RS232	Serial Cable for -B230, -B240	11.95	11.49	11.03	10.27
817-CABLE-USB	CABLE/RTP/USB	USB cable for -B710, -B720	17.33	16.49	16.01	14.90

FUJITSU RESISTIVE TOUCH PANEL STYLUS

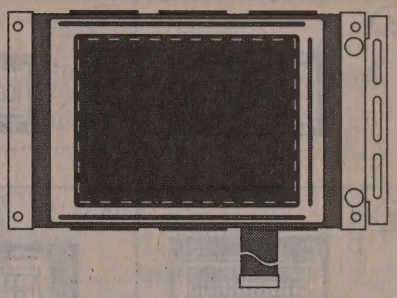
MOUSER STOCK NO.	Fujitsu Part No.	Size	Price Each
817-N010-0557-T002	N010-0557-T002	Stylus for Touch panel	4.99

HANTRONIX LCD Display Modules

HANTRONIX

HANTRONIX GRAPHIC DISPLAY MODULES

he Hantronix advantage is the ability to add value and provide a competitive-edge for our customers in the global market. As a partner-supplier, they are ommitted to delivering additional value to your business. All Hantronix production facilities are ISO9001 certified and utilize the most modern production quipment to produce the highest quality displays. Quality is everything and without it, nothing else really matters. Hantronix offers one of the largest election of standard LCD's in the industry. Their standard offering for graphic displays is 122x32 up to 640x480. Hantronix offers color displays in 3.9" & 7" QVGA, 7.5" & 10.4" VGA. Many of their displays are also offered with integrated touch-screens.



HDM3224-1-9J1F Illustrated (320 x 240 dot pixels)

pecifications:

- Power Supply Voltage (VDD): +5.0V
- Operating Temperature: (HDM64GS12L-L30S, HDM64GS24L-4-N30F, HDM128GS12L-1-N30F, HDM3224-5-N30F, HDM64GS12L-Y10S, HDM64GS24L-4-Y10F, HDM3224-5-Y10F, HDM2432L-T-Z1LF, HDM64GS24Y-4-C20F, HDM3224-1-9J1F, HDM6448-1-9JCF, HDM6448-S-9J0F, HDG12864F-1-S00F, HDM3224-C, HDM3224C-S, HDM6424-C,HDM6448-C, HDM6448C-7, HDM6448SC) = to 0 to 50°C
- (HDM4832L, HDG320240, HDR12864) = to -20 to + 70°C
- Storage Temperature: (HDM64GS12L-L30S, HDM64GS24L-4-N30F, HDM128GS12L-1-N30F, HDM3224-5-N30F, HDM64GS12L-Y10S, HDM64GS24L-4-Y10F, HDM2432L-T-Z1LF, HDM64GS24Y-4-C20F, HDM6448-S-9J0F, HDG12864F-1-S00F, HDM6424-C,HDM6448-C, HDM6448C-7, HDM6448SC) = to -20 to + 70°C
- (HDM3224-C, HDM3224C-S) = -20 to + 60°C
- (HDM6448-1-9JCF) = -25 to + 60°C
- (HDM4832L, HDG320240) = -30 to + 80°C
- (HDR12864) = -40 to + 85°C

ellow LED Backlight

For quantities of 200 and up, call for quote.

Hantronix Part No.	Fluid Type	Viewing Mode	Number of Pixels (W x H)	Module Size (mm) (W x H x T)	Viewing Area (mm) (W x H)	Dot Size (mm) (W x H)	Dot Pitch (mm) (W x H)	Controller	Price Each 1	10	50	100
HDM64GS12L-L30S	STN	Transflective-Pos.	128 x 64	93.0 x 70.0 x 14.0	70.7 x 38.8	0.48 x 0.48	0.52 x 0.52	KS108B	28.60	25.74	22.88	21.45
HDM64GS24L-4-N31F	STN	Transflective-Pos.	240 x 64	180.0 x 65.0 x 13.8	133.0 x 39.0	0.40 x 0.40	0.43 x 0.43	T6963C	77.80	70.02	62.24	58.35
HDM128GS12L-1-N30F	STN	Transflective-Pos.	128 x 128	72.4 x 69.9 x 9.5	49.0 x 49.0	0.32 x 0.32	0.35 x 0.35	T6963C	56.60	50.94	45.28	42.45
HDM3224-5-N31F	STN	Transflective-Pos.	320 x 240	134.5 x 117.0 x 14.0	103.0 x 79.0	0.27 x 0.27	0.30 x 0.30	None	114.12	102.71	91.30	85.59

hite LED Backlight

For quantities of 200 and up, call for quote.

Hantronix Part No.	Fluid Type	Viewing Mode	Number of Pixels (W x H)	Module Size (mm) (W x H x T)	Viewing Area (mm) (W x H)	Dot Size (mm) (W x H)	Dot Pitch (mm) (W x H)	Controller	Price Each 1	10	50	100
HDM1216C-2	FSTN	Transflective-Pos.	120 x 160	39.7 x 83.1 x 3.3	30.8 x 40.4	.07 x .23	.08 x .24	S1D15G00	58.69	53.07	47.17	44.22
HDM64GS12L-Y10S	FSTN	Transflective-Pos.	128 x 64	93.0 x 70.0 x 14.0	70.7 x 38.8	0.48 x 0.48	0.52 x 0.52	KS108B	32.04	28.84	25.63	24.03
HDM64GS24L-2-Y10S	FSTN	Transflective-Pos.	240 x 64	180.0 x 65.0 x 13.8	133.0 x 39.0	0.40 x 0.40	0.43 x .43	T6963C	110.96	99.86	88.77	83.22
HDM3224-5-Y11F	FSTN	Transflective-Pos.	320 x 240	134.5 x 117.0 x 14.0	103.0 x 79.0	0.27 x 0.27	0.30 x 0.30	None	116.00	104.40	92.80	87.00
HDM2432L-T-Z18F	FSTN	Transflective-Pos.	240 x 320	71.5 x 94.1 x 7.9	60.6 x 79.8	0.225 x 0.225	0.24 x 0.24	None	80.00	72.00	64.00	60.00
HDM4832L	FSTN	Transflective-Pos.	480 x 320	156.0 x 94.9 x 11.5	119.2 x 80.8	0.228 x 0.228	0.24 x 0.24	None	128.88	115.99	103.10	96.66

CFL Backlight

For quantities of 200 and up, call for quote.

Hantronix Part No.	Fluid Type	Viewing Mode	Number of Pixels (W x H)	Module Size (mm) (W x H x T)	Viewing Area (mm) (W x H)	Dot Size (mm) (W x H)	Dot Pitch (mm) (W x H)	Controller	Price Each 1	10	50	100
HDM64GS24Y-4-C21F	FSTN	Transmissive-Pos.	240 x 64	180.0 x 65.0 x 13.8	133.0 x 39.0	0.40 x 0.40	0.43 x 0.43	T6963C	84.26	75.83	67.41	63.20
HDM3224-1-9J1F	FSTN	Transmissive-Neg.	320 x 240	167.1 x 109.0 x 11.0	122.0 x 92.0	0.33 x 0.33	0.36 x 0.36	None	107.90	97.11	86.32	80.93
HDM6448-1-9JCF	FSTN	Transmissive-Neg.	640 x 480	260.0 x 174.0 x 8.0	197.0 x 147.6	0.27 x 0.27	0.30 x 0.30	None	268.30	241.47	214.64	201.23
HDM6448-S-9JPF	FSTN	Transmissive-Neg.	640 x 480	205.5 x 141.0 x 7.0	153.0 x 115.4	0.21 x 0.21	0.23 x 0.23	None	166.06	149.45	132.85	124.55

hip-On-Glass (COG)

For quantities of 200 and up, call for quote.

Hantronix Part No.	Fluid Type	Viewing Mode	Number of Pixels (W x H)	Module Size (mm) (W x H x T)	Viewing Area (mm) (W x H)	Dot Size (mm) (W x H)	Dot Pitch (mm) (W x H)	Controller	Price Each 1	10	50	100
HDG12864F-1-S00F	FSTN	Reflective-Neg.	128 x 64	77.5 x 51.3 x 2.8	70.7 x 38.8	0.48 x 0.48	0.52 x 0.52	SED1565	20.44	18.40	16.35	15.33
HDG320240	FSTN	Transflective-Pos.	320 x 240	88.3 x 69.1 x 2.2	79.8 x 60.6	0.225 x 0.225	0.24 x 0.24	None	46.14	41.53	36.91	34.61

olor with CCFL Backlight

For quantities of 200 and up, call for quote.

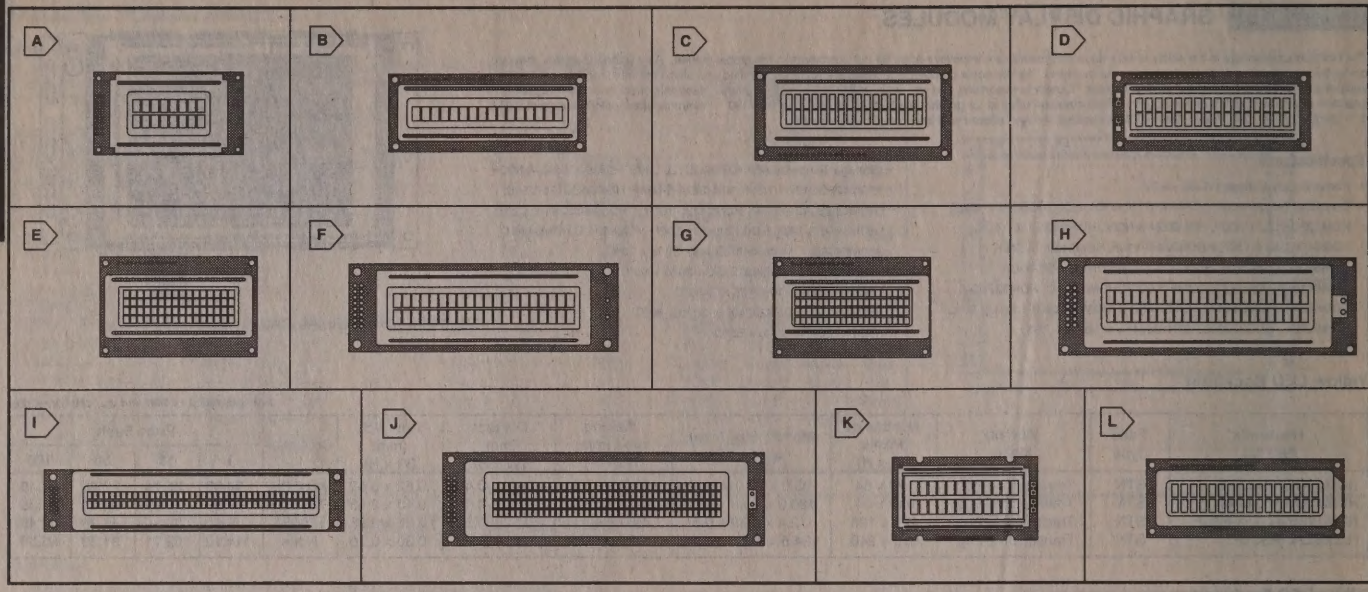
Hantronix Part No.	Fluid Type	Viewing Mode	Number of Pixels (W x H)	Module Size (mm) (W x H x T)	Viewing Area (mm) (W x H)	Dot Size (mm) (W x H)	Dot Pitch (mm) (W x H)	Controller	Price Each 1	10	50	100
HDM3224-C	FSTN	Transmissive - Clr	320 x 240	168.0 x 111.0 x 9.0	120.0 x 90.0	0.09 x 0.33	0.093 x 0.036	None	186.02	167.42	148.82	139.52
HDM3224C-S	FSTN	Transmissive - Clr	320 x 240	76.8 x 103.7 x 7.9	62.8 x 82.8	0.234 x 0.068	0.249 x 0.083	None	122.64	110.38	98.11	91.98
HDM6424-C	FSTN	Transmissive - Clr	640 x 240	173.0 x 73.0 x 6.7	156.6 x 60.6	0.065 x 0.225	0.08 x 0.24	None	199.78	179.80	159.82	149.84
HDM6448-C-9J0F	FSTN	Transmissive - Clr	640 x 480	264.0 x 183.0 x 9.0	216.0 x 161.6	0.09 x 0.31	0.092 x 0.33	None	398.06	358.25	318.45	298.55
HDM6448C-7	FSTN	Transmissive - Clr	640 x 480	197.0 x 145.0 x 10.5	158.0 x 118.0	0.064 x 0.222	0.079 x 0.237	None	227.02	204.32	181.62	170.27
HDM6448SC-9J0F	FSTN	Transmissive - Clr	640 x 480	205.5 x 141.0 x 7.0	153.0 x 115.4	0.053 x 0.21	0.078 x 0.235	None	253.56	228.20	202.85	190.17

NVERTERS FOR BACKLIGHTS

For quantities of 100 and up,call for quote.

Hantronix Part No.	Graphic Modules Supported	Input Voltage (min./typ./max.)(v)	Input Current (Typ)(mA)	Output Voltage (starting) (min./typ.)(v)	Output Current (Typ)(mArms)	Price Each 1	10	20	50
HVI-6	For HDM64GS24Y-4-C21F, HDM3224-1-9J1F, HDM6448-1-9JCF, HDM6448-S-9J0F and HDM3224-C.	10.8/12.0/14.0	180	----/900	5	8.87	7.89	7.40	6.90
HVI-7	For HDM6448-C, HDM6448C-7 and HDM6448SC.	10.0/12.0/15.0	540	1425/1500	6	22.55	20.05	18.80	17.54
HVI-9	For HDM3224C-S	----/5.0/-----		-----/500	1.5	6.89	6.13	5.75	5.36

HANTRONIX LCD Display Modules



HANTRONIX CHARACTER DISPLAY MODULES

The Hantronix advantage is the ability to add value and provide a competitive-edge for our customers in the global market. As a partner-supplier, they are committed to delivering additional value to your business. All Hantronix production facilities are ISO9001 certified and utilize the most modern production equipment, to produce the highest quality displays. Quality is everything and without it, nothing else really matters. Hantronix offers one of the largest selection of standard LCD's in the industry. The standard offering for character modules is 8x2 to 40x4.

Gray Reflective

For quantities of 200 and up, call for quote.

Hantronix Part No.	Fig.	Fluid Type	Format Character x Line	Module Size (mm) (W x H x T)	Viewing Area (mm) (W x H)	Character Size (mm) (W x H)	Dot Size (mm) (W x H)	Price Each 1	10	50	100
HDM08216H-3-S00S	A	STN	8 x 2	58.0 x 32.0 x 10.0	38.0 x 16.0	2.95 x 5.56	0.56 x 0.66	6.90	5.91	4.93	3.94
HDM16116H-2-S01S	B	STN	16 x 1	80.0 x 36.0 x 13.0	63.7 x 13.5	3.20 x 6.35	0.60 x 0.75	10.26	8.79	7.33	5.86
HDM16216H-B-S00S	C	STN	16 x 2	84.0 x 44.0 x 10.0	61.0 x 15.8	2.95 x 5.55	0.55 x 0.65	11.90	10.20	8.50	6.80
HDM16216H-5-S00S	D	STN	16 x 2	80.0 x 36.0 x 10.0	65.6 x 13.8	2.95 x 4.35	0.55 x 0.50	11.31	9.69	8.08	6.46
HDM16216H-4-S00S	C	STN	16 x 2	122.0 x 44.0 x 10.0	99.0 x 24.0	4.84 x 9.66	0.92 x 1.10	19.36	16.59	13.83	11.06
HDM16416H-S00S	E	STN	16 x 4	87.0 x 60.0 x 10.0	61.8 x 25.2	2.95 x 4.75	0.55 x 0.55	21.74	18.63	15.53	12.42
HDM20216H-3-S00S	F	STN	20 x 2	116.0 x 37.0 x 10.0	83.0 x 18.6	3.20 x 5.55	0.60 x 0.65	20.02	17.16	14.30	11.44
HDM20416H-S00S	G	STN	20 x 4	98.0 x 60.0 x 10.0	76.0 x 25.2	2.95 x 4.75	0.55 x 0.55	29.09	24.93	20.78	16.62
HDM24216H-2-S00S	H	STN	24 x 2	118.0 x 36.0 x 10.0	93.5 x 15.8	3.20 x 5.55	0.60 x 0.65	16.42	14.07	11.73	9.38
HDM40216H-4-S00S	I	STN	40 x 2	182.0 x 33.5 x 10.0	154.5 x 15.8	3.20 x 5.55	0.60 x 0.65	31.64	27.12	22.60	18.08
HDM40416H-5-S00S	J	STN	40 x 4	190.0 x 54.0 x 10.0	147.0 x 29.5	2.80 x 4.91	0.52 x 0.57	40.71	34.89	29.08	23.26

Yellow Transflective with LED Backlight

For quantities of 200 and up, call for quote.

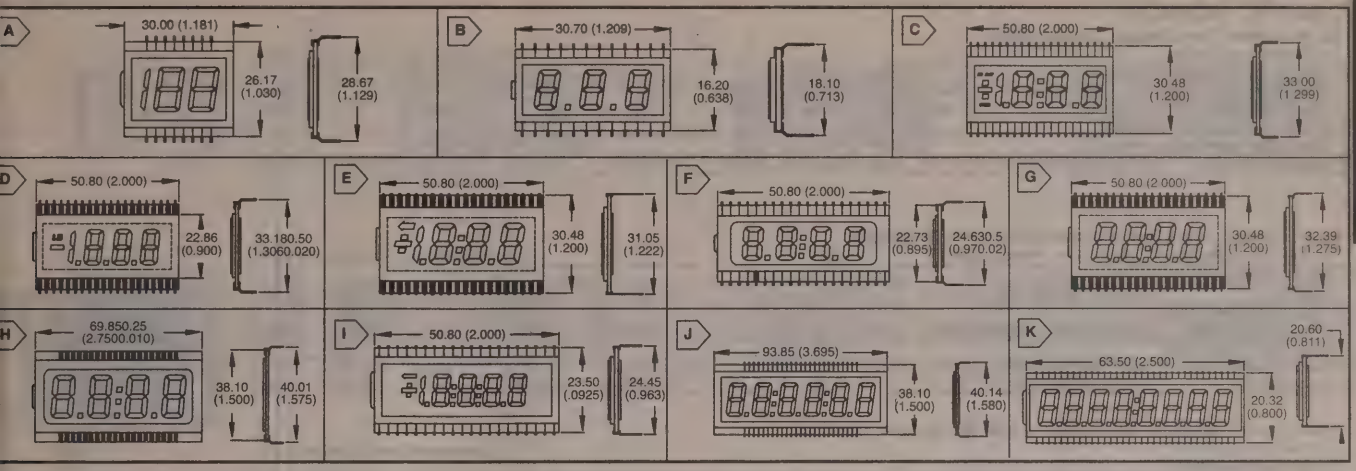
Hantronix Part No.	Fig.	Fluid Type	Format Character x Line	Module Size (mm) (W x H x T)	Viewing Area (mm) (W x H)	Character Size (mm) (W x H)	Dot Size (mm) (W x H)	Price Each 1	10	50	100
HDM08216L-3-L30S	A	STN	8 x 2	58.0 x 37.0 x 13.0	38.0 x 16.0	2.96 x 5.56	0.56 x 0.66	10.12	8.67	7.23	5.78
HDM12216L-L30P	K	STN	12 x 2	55.7 x 32.0 x 12.8	46.7 x 17.5	2.65 x 5.50	0.45 x 0.60	27.23	23.34	19.45	15.56
HDM16116L-L30S	B	STN	16 x 1	80.0 x 36.0 x 14.5	65.6 x 13.8	3.20 x 6.35	0.60 x 0.75	13.16	11.28	9.40	7.52
HDM16216L-B-L30S	C	STN	16 x 2	84.0 x 44.0 x 14.5	61.0 x 15.8	2.95 x 5.55	0.55 x 0.65	14.77	12.66	10.55	8.44
HDM16216L-5-L30S	L	STN	16 x 2	80.0 x 35.0 x 14.5	65.6 x 13.8	2.95 x 4.35	0.55 x 0.50	14.32	12.27	10.23	8.18
HDM16216L-7-L30S	C	STN	16 x 2	122.0 x 44.0 x 15.0	99.0 x 13.0	4.84 x 9.66	0.92 x 1.10	28.63	24.54	20.45	16.36
HDM16416L-1-L30S	E	STN	16 x 4	87.0 x 60.0 x 15.0	61.8 x 25.2	2.95 x 4.75	0.55 x 0.55	29.19	25.02	20.85	16.68
HDM20216L-1-L30S	F	STN	20 x 2	116.0 x 37.0 x 14.5	83.0 x 18.6	3.20 x 5.55	0.60 x 0.65	23.87	20.46	17.05	13.64
HDM20416L-1-L30S	G	STN	20 x 4	98.0 x 60.0 x 15.0	76.0 x 25.2	2.95 x 4.75	0.55 x 0.55	37.49	32.13	26.78	21.42
HDM20416L-M-L30S	G	STN	20 x 4	146.0 x 62.5 x 15.0	123.0 x 42.5	4.84 x 9.22	0.93 x 1.11	51.35	44.01	36.68	29.34
HDM24216L-2-L30S	H	STN	24 x 2	118.0 x 36.0 x 14.0	93.5 x 15.8	3.20 x 5.55	0.60 x 0.65	24.01	20.58	17.15	13.72
HDM40216L-1-L30S	I	STN	40 x 2	182.0 x 33.5 x 15.0	154.5 x 15.8	3.20 x 5.55	0.60 x 0.65	40.01	34.29	28.58	22.86
HDM40416L-4-L30S	J	STN	40 x 4	190.0 x 54.0 x 14.5	147.0 x 29.5	2.80 x 4.91	0.52 x 0.57	60.06	51.48	42.90	34.32

Black-White Transflective with White LED Backlight

For quantities of 200 and up, call for quote.

Hantronix Part No.	Fig.	Fluid Type	Format Character x Line	Module Size (mm) (W x H x T)	Viewing Area (mm) (W x H)	Character Size (mm) (W x H)	Dot Size (mm) (W x H)	Price Each 1	10	50	100
HDM16216L-B-Y10S	C	FSTN	16 x 2	84.0 x 44.0 x 14.5	61.0 x 15.8	2.95 x 5.55	0.55 x 0.65	22.54	19.32	16.10	12.88
HDM16216L-5-Y10S	L	FSTN	16 x 2	80.0 x 35.0 x 14.5	65.6 x 13.8	2.95 x 4.35	0.55 x 0.50	18.76	16.08	13.40	10.72
HDM16216L-7-Y10S	C	FSTN	16 x 2	122.0 x 33.0 x 15.0	99.0 x 13.0	4.84 x 9.66	0.92 x 1.10	32.55	27.90	23.25	18.60
HDM20216L-1-Y10S	F	FSTN	20 x 2	116.0 x 37.0 x 14.5	83.0 x 18.6	3.20 x 5.55	0.60 x 0.65	31.29	26.82	22.35	17.88
HDM20416L-1-Y10S	G	FSTN	20 x 4	98.0 x 60.0 x 15.0	76.0 x 25.2	2.95 x 4.75	0.55 x 0.55	45.05	38.61	32.18	25.74
HDM40216L-1-Y10S	I	FSTN	40 x 2	182.0 x 33.5 x 15.0	154.5 x 15.8	3.20 x 5.55	0.60 x 0.65	52.57	45.06	37.55	30.04

LUMEX LCDs



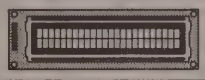
UMEX NUMERIC LCDS

DIMENSIONS mm(IN)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Description	Character Height	Number of Digits	Digit Size	Type (mm)	Number of Pins	Dual Row Spacing (mm)	Price Each 1	5	10	50
96-LCD-S2X1C50TR	LCD-S2X1C50TR	A	Reflective	.5"	2.5	12.17	2.54 Dip	16	28.67	1.78	1.65	1.48	1.34
96-LCD-S2X1C50TF	LCD-S2X1C50TF	A	Transflective	.5"	2.5	12.17	2.54 Dip	16	28.67	1.78	1.65	1.48	1.34
96-LCD-S301C31TR	LCD-S301C31TR	B	Reflective	.31"	3	7.87	2.54 Dip	24	18.1	1.66	1.54	1.38	1.25
96-LCD-S301C31TF	LCD-S301C31TF	B	Transflective	.31"	3	7.87	2.54 Dip	24	18.1	1.66	1.54	1.38	1.25
96-LCD-S3X1C50TRA	LCD-S3X1C50TR/A	C	Reflective	.5"	3.5	12.7	2.54 Dip	40	33	3.78	3.50	3.14	2.84
96-LCD-S3X1C50TFA	LCD-S3X1C50TF/A	C	Transflective	.5"	3.5	12.7	2.54 Dip	40	33	3.78	3.50	3.14	2.84
96-LCD-S3X1C50TRB	LCD-S3X1C50TR/B	D	Reflective	.5"	3.5	12.7	2.54 Dip	40	33.18	3.78	3.50	3.14	2.84
96-LCD-S3X1C50TFB	LCD-S3X1C50TF/B	D	Transflective	.5"	3.5	12.7	2.54 Dip	40	33.18	3.78	3.50	3.14	2.84
96-LCD-S3X1C50TRC	LCD-S3X1C50TR/C	E	Reflective	.5"	3.5	12.7	2.54 Dip	40	31.05	3.78	3.50	3.14	2.84
96-LCD-S3X1C50TFC	LCD-S3X1C50TF/C	E	Transflective	.5"	3.5	12.7	2.54 Dip	40	31.05	3.78	3.50	3.14	2.84
96-LCD-S401C39TR	LCD-S401C39TR	F	Reflective	.39"	4	9.92	1.27 Dip	40	24.64	2.96	2.74	2.46	2.22
96-LCD-S401C39TF	LCD-S401C39TF	F	Transflective	.39"	4	9.92	1.27 Dip	40	24.64	2.96	2.74	2.46	2.22
96-LCD-S401C52TR	LCD-S401C52TR	G	Reflective	0.52"	4	13.2	2.54 Dip	40	32.39	4.20	3.89	3.49	3.15
96-LCD-S401C52TF	LCD-S401C52TF	G	Transflective	0.52"	4	13.2	2.54 Dip	40	32.39	4.20	3.89	3.49	3.15
96-LCD-S401C71TR	LCD-S401C71TR	H	Reflective	0.71"	4	18	2.54 Dip	40	40.01	4.54	4.20	3.77	3.41
96-LCD-S401C71TF	LCD-S401C71TF	H	Transflective	0.71"	4	18	2.54 Dip	40	40.01	4.54	4.20	3.77	3.41
96-LCD-S4X1C35TR	LCD-S4X1C35TR	I	Reflective	.35"	4.5	8.89	2.54 Dip	40	24.45	3.04	2.82	2.53	2.28
96-LCD-S4X1C35TF	LCD-S4X1C35TF	I	Transflective	.35"	4.5	8.89	2.54 Dip	40	24.45	3.04	2.82	2.53	2.28
96-LCD-S601C71TR	LCD-S601C71TR	J	Reflective	.71"	6	17.99	2.54 Dip	50	40.14	7.26	6.72	6.03	5.45
96-LCD-S601C71TF	LCD-S601C71TF	J	Transflective	.71"	6	17.99	2.54 Dip	50	40.14	7.26	6.72	6.03	5.45
96-LCD-S801C42TR	LCD-S801C42TR	K	Reflective	.42"	8	10.7	1.8 Dip	66	20.6	4.20	3.89	3.49	3.15
96-LCD-S801C42TF	LCD-S801C42TF	K	Transflective	.42"	8	10.7	1.8 Dip	66	20.6	4.20	3.89	3.49	3.15

UMEX DOT MATRIX LCDS



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Display Format	Character Format	Pad Layout	Outline Dimension WxHxD (mm)	Viewing Area WxH (mm)	Character Size (mm)	Dot Size WxH (mm)	Price Each 1	5	10	50
96-LCM-S01601DTR	LCM-S01601DTR	16 x 1	5 x 8 Dots	Top	80 x 36 x 8.8	66 x 16	3.07 x 6.56	0.55 x 0.75	7.50	6.94	6.23	5.63
96-LCM-S01602DTRA	LCM-S01602DTR/A	16 x 2	5 x 8 Dots	Top	80 x 36 x 8.8	66 x 16	2.96 x 5.56	0.56 x 0.66	9.28	8.58	7.70	6.96
96-LCM-S01602DTRC	LCM-S01602DTR/C	16 x 2	5 x 8 Dots	L Side	84 x 44 x 12.7	66 x 16	2.96 x 5.56	0.56 x 0.66	9.28	8.58	7.70	6.96
96-LCM-S01602DTRM	LCM-S01602DTR/M	16 x 2	5 x 8 Dots	Bottom	66 x 26 x 6.5	52 x 19	2.46 x 5.56	0.46 x 0.66	5.88	5.44	4.84	4.41
96-LCM-S01601DSR	LCM-S01601DSR	16 x 1	5 x 8 Dots	Top	80 x 36 x 8.8	66 x 16	3.07 x 6.56	0.55 x 0.75	9.56	8.85	7.94	7.17
96-LCM-S01602DSRA	LCM-S01602DSR/A	16 x 2	5 x 8 Dots	Top	80 x 36 x 8.8	66 x 16	2.96 x 5.56	0.56 x 0.66	10.34	9.56	8.58	7.76
96-LCM-S01602DSRB	LCM-S01602DSR/B	16 x 2	5 x 8 Dots	Bottom	84 x 44 x 8.8	66 x 16	2.96 x 5.56	0.56 x 0.66	11.38	10.53	9.45	8.54
96-LCM-S01602DSRC	LCM-S01602DSR/C	16 x 2	5 x 8 Dots	L Side	85 x 30 x 8.9	66 x 16	2.96 x 5.56	0.56 x 0.66	10.34	9.56	8.58	7.76
96-LCM-S01602DSRD	LCM-S01602DSR/D	16 x 2	5 x 8 Dots	Bottom	122 x 44 x 8.8	99 x 24	4.84 x 9.63	0.92 x 1.16	15.50	14.34	12.87	11.63
96-LCM-S01604DSR	LCM-S01604DSR	16 x 4	5 x 8 Dots	Top	87 x 60 x 8.9	65 x 25.6	2.95 x 4.75	0.55 x 0.55	22.02	20.37	18.28	16.52
96-LCM-S02002DSR	LCM-S02002DSR	20 x 2	5 x 8 Dots	L Side	116 x 37 x 8.9	85 x 18.6	3.2 x 5.55	0.6 x 0.65	15.82	14.63	13.13	11.87
96-LCM-S02004DSR	LCM-S02004DSR	20 x 2	5 x 8 Dots	Top	98 x 60 x 8.8	8 x 26.3	2.95 x 4.75	0.55 x 0.55	23.98	22.18	19.90	17.99
96-LCM-S02402DSR	LCM-S02402DSR	24 x 2	5 x 8 Dots	L Side	118 x 36 x 8.8	93.5 x 16	3.2 x 5.55	0.6 x 0.65	16.46	15.23	13.66	12.35
96-LCM-S04002DSR	LCM-S04002DSR	40 x 2	5 x 8 Dots	L Side	182 x 33.5 x 8.8	154 x 15.3	3.2 x 5.55	0.6 x 0.65	28.56	26.42	23.70	21.42
96-LCM-S04004DSR	LCM-S04004DSR	40 x 4	5 x 8 Dots	L Side	190 x 54 x 10	149 x 29.5	2.78 x 4.89	0.5 x 0.55	57.28	52.98	47.54	42.96
96-LCM-S01601DSF	LCM-S01601DSF	16 x 1	5 x 8 Dots	Top	80 x 36 x 12.7	66 x 16	3.07 x 6.56	0.55 x 0.75	12.62	11.68	10.48	9.47
96-LCM-S01602DSFA	LCM-S01602DSF/A	16 x 2	5 x 8 Dots	Top	80 x 36 x 12.7	66 x 16	2.96 x 5.56	0.56 x 0.66	13.36	12.36	11.09	10.02
96-LCM-S01602DSFB	LCM-S01602DSF/B	16 x 2	5 x 8 Dots	Bottom	84 x 44 x 12.7	66 x 16	2.96 x 5.56	0.56 x 0.66	13.98	12.94	11.61	10.49
96-LCM-S01602DSFC	LCM-S01602DSF/C	16 x 2	5 x 8 Dots	L Side	85 x 30 x 12.7	66 x 16	2.96 x 5.56	0.56 x 0.66	13.36	12.36	11.09	10.02
96-LCM-S01604DSF	LCM-S01604DSF	16 x 4	5 x 8 Dots	Top	87 x 60 x 12.7	62 x 25.6	2.95 x 4.75	0.55 x 0.55	27.66	25.59	22.96	20.75
96-LCM-S02002DSF	LCM-S02002DSF	20 x 2	5 x 8 Dots	L Side	116 x 37 x 12.7	85 x 18.6	3.2 x 5.55	0.6 x 0.65	20.58	19.04	17.08	15.44
96-LCM-S02004DSF	LCM-S02004DSF	20 x 4	5 x 8 Dots	Top	98 x 60 x 12.7	8 x 26.3	2.95 x 4.75	0.55 x 0.55	31.50	29.14	26.15	23.63
96-LCM-S02402DSF	LCM-S02402DSF	24 x 2	5 x 8 Dots	L Side	118 x 36 x 12.7	93.5 x 16	3.2 x 5.55	0.6 x 0.65	21.28	19.68	17.66	15.96
96-LCM-S04002DSF	LCM-S04002DSF	40 x 2	5 x 8 Dots	L Side	182 x 33.5 x 12.7	154 x 15.3	3.2 x 5.55	0.6 x 0.65	37.14	34.35	30.83	27.86
96-LCM-S04004DSF	LCM-S04004DSF	40 x 4	5 x 8 Dots	L Side	190 x 54 x 14.5	149 x 29.5	2.78 x 4.89	0.5 x 0.55	67.48	62.42	56.01	50.61

UMEX GRAPHIC LCDS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Dot Pixels WxH	Outline Dimension WxHxD (mm)	Viewing Area WxH (mm)	Pixel Size (mm) WxH	Pixel Pitch (mm) WxH	Built-in Controller	Price Each 1	5	10	50
96-LCM-S12232GSF	LCM-S12232GSF	12 x 32	84 x 44 x 12.7	60.5 x 18.5	.40 x .45	.44 x .49	Epson SED 1520	24.98	23.11	20.74	18.74
96-LCMH12864GSFHY	LCM-H12864GSF/H-Y	128 x 64	75 x 52.7 x 10	60 x 32.5	.40 x .40	.43 x .43	Samsung S6B0109	50.80	46.99	42.17	38.10
96-LCM-S24064GSF	LCM-S24064GSF	240 x 64	180 x 65 x 14	13 x 40	.49 x .49	.53 x .53	Toshiba T6963C	91.80	84.92	76.20	68.85
96-LCM-S240128GSF	LCM-S240128GSF	240 x 128	144 x 104 x 15.1	114 x 64	.40 x .40	.45 x .45	Toshiba T6963C	117.68	108.86	97.68	88.26

MICROTIPS LCD Graphic Display Modules

Microtips TECHNOLOGY

GRAPHIC MODULES

Touch Screen Transflective LED Backlight

• 6 O'Clock Viewing Direction

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Microtips Part No.	Fluid Type	Background Color	Backlight Type	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) H x W	Dot Pitch H x W	Dot Size (mm) H x W	Price Each
128x128 Dot Pixels (WxH)										
†668-BS000255YSG-Y01	MTB-S000255FYHSGY	STN	Yellow	Edge LED	Yel/Grn	89.5x73.2x3.8	60.0x58.4	0.43x0.43	0.40x0.40	35.70

Touch Screen, White Transflective with Blue EL Backlight

• 6 O'Clock Viewing Direction ✻12 O'Clock Viewing Direction

For quantities of 10 and up, call for quote.

160x160 Dot Pixels (WxH)										
†668-B-235	MTB-F000235RPHS-01A	FSTN	-	EL	-	69.0x69.5x5.9	63.4x63.3	0.35x0.35	0.335x0.335	52.50
240x160 Dot Pixels (WxH)										
†668-G-F24160AFWSEB	MTG-F24160BFWHSEB-15A	FSTN	White	EL	Blue	74.6x56.1x7.0	57.58x38.38	0.24x0.24	0.22x0.22	52.50
320x240 Dot Pixels (WxH)										
✻668-G-F32240BFWNEB	MTG-F32240BFSHSEB	FSTN	White	EL	Blue	93.8x75.1x5.35	80.8x61.6	0.24x0.24	0.24x0.24	73.50
668-G-32240H	MTG-32240HFWHSEB	FSTN	-	EL	Blue/Grn	73.3x92.2x7.8	57.58x76.78	0.24x0.24	0.24x0.24	75.60

Touch Screen, Negative Transmissive with White CCFL Backlight

• 6 O'Clock Viewing Direction

For quantities of 10 and up, call for quote.

320x240 Dot Pixels (WxH)										
668-GS32240MNSCW08	MTG-S32240JMNHSCW-08	STN	Negative	CCFL	White	167.1x109.0x11.0	122.0x92.0	0.36x0.36	0.34x0.34	148.18

Touch Screen, Color Transmissive with White CCFL Backlight

• 6 O'Clock Viewing Direction

For quantities of 10 and up, call for quote.

320x240 Dot Pixels (WxH)										
†668-MC57T01G	MC57T01G	STN	-	CCFL	White	167.0x109.0x10	120.0x90.0	0.12x0.36	0.10x0.34	163.80
†668-MC39TO1H	MC39T01H	STN	-	CCFL	White	103.7x76.8x6.3	82.8x62.8	0.083x0.249	0.068x0.234	100.80

Texas Instruments Touch Screen Controller

† For use with select Touch Screen Modules without Touch Screen Controller on Board.

For quantities of 250 and up, call for quote

MOUSER STOCK NO.	Mfr. Part No.	Package	Resolutions	Sample Rate	Supply Voltage	Inputs	Output Type	Power mW	DNI	INL	Price Each 1	25	100
595-ADS7843E	ADS7843E	SSOP-16	12	0.125	5	2	Serial	1.8	1	2	3.55	2.85	2.55

Transflective LED Backlight

• 6 O'Clock Viewing Direction

For quantities of 50 and up, call for quot

MOUSER STOCK NO.	Microtips Part No.	Fluid Type	Background Color	Backlight Type	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) H x W	Dot Pitch H x W	Dot Size (mm) H x W	Built-In Controller	Price Each 1	10
122x32 Dot Pixels (WxH)												
668-G-S12232AFYSAY	MTG-S12232AFYHSAY	STN	Yellow	Array LED	Yel/Grn	84.0x44.0x15.0	60.5x18.5	0.44x0.49	0.42x0.47	SED1520DAA	21.25	18.22
668-G-S12232BFYSAY	MTG-S12232BFYHSAY-A	STN	Yellow	Array LED	Yel/Grn	84.0x44.0x15.0	60.5x18.5	0.44x0.49	0.42x0.47	SED1520DAA	20.96	17.96
668-GS12232FYSGY10	MTG-S12232CFYHSGY-10	STN	Yellow	Edge LED	Yel/Grn	59.0x29.3x5.5	52.0x15.0	0.345x0.345	0.03x0.03	SED1520DAA	14.70	12.60
128x64 Dot Pixels (WxH)												
668-G-S12864AFYSAY	MTG-S12864AFGHSAY-10	STN	Gray	Array LED	Yel/Grn	93.0x70.0x14.5	71.7x39.0	0.52x0.52	0.50x0.50	KS0107	34.94	29.95
668-G-F12864AFYSAY	MTG-F12864AFYHSAY-10A	FSTN	Yellow	Array LED	Yel/Grn	93.0x70.0x14.5	71.7x39.0	0.52x0.52	0.50x0.50	KS0107	37.13	31.82
668-G-S12864BFYSGY	MTG-S12864BFYHSGY	STN	Yellow	Edge LED	Yel/Grn	75.0x52.7x9.0	60.0x32.5	0.43x0.43	0.40x0.40	KS0107	28.33	24.28
668-G-S12864EFGSGY	MTG-S12864EFGHSGY-10A	STN	Gray	Edge LED	Yel/Grn	78.0x70.0x12.4	62.0x44.0	0.44x0.60	0.42x0.58	KS0107	46.91	40.21
668-G-S12864EFYSGY	MTG-S12864EFYHSGY-10A	STN	Yellow	Edge LED	Yel/Grn	78.0x70.0x12.4	62.0x44.0	0.44x0.60	0.42x0.58	KS0107	46.91	40.21
668-G-F12864IFWSGW	MTG-F12864IFWHSGW-10A	FSTN	White	Edge LED	White	93.0x70.0x14.5	71.7x39.0	0.52x0.52	0.50x0.50	KS0107	39.65	33.98
240x64 Dot Pixels (WxH)												
668-G-S24064FFYSAY	MTG-S24064FFYHSAY-30A	STN	Yellow	Array LED	Yel/Grn	180.0x65.0x16.1	132.0x39.0	0.53x0.53	0.51x0.51	T6963C	75.31	64.55

White Transflective with Blue EL Backlight

• 6 O'Clock Viewing Direction

For quantities of 50 and up, call for quot

160x160 Dot Pixels (WxH)												
668-G-F16160FFWSEB	MTG-F16160FFWHSEB-10A	FSTN	White	EL	Blue	69.0x69.5x6.8	60.5x79.25	0.35x0.35	0.33x0.33	-	56.87	48.74

White Transflective with White CCFL Backlight

• 6 O'Clock Viewing Direction

For quantities of 50 and up, call for quot

320x240 Dot Pixels (WxH)												
668-G-F32240JFWSCW	MTG-F32240JFWHSCW-A	FSTN	White	CCFL	White	167.1x109.0x11.0	122.0x92.0	0.36x0.36	0.34x0.34	-	118.15	101.27

Negative Transmissive with LED Backlight

• 6 O'Clock Viewing Direction

For quantities of 50 and up, call for quot

122x32 Dot Pixels (WxH)												
668-G-S12232BMNSAY	MTG-S12232BMNHSAY	STN	Negative	Array LED	Yel/Grn	80.0x36.0x15.0	60.5x18.5	0.44x0.49	0.42x0.47	SED1520DAA	20.96	17.96
128x64 Dot Pixels (WxH)												
668-G-S12864IMNSGW	MTG-S12864IMNHSGW-10A	STN	Negative	Edge LED	White	93.0x70.0x14.5	71.7x39.0	0.52x0.52	0.50x0.50	KS0107	37.46	32.17
668-G-S12864JMNSGW	MTG-S12864JMNHSGW-10A	STN	Negative	Edge LED	White	75.0x52.7x9.0	60.0x32.5	0.43x0.43	0.40x0.40	KS0107	30.64	26.26
240x64 Dot Pixels (WxH)												
668-G-S24064IMNSGW	MTG-S24064IMNHSGW	STN	Negative	Edge LED	White	180.0x65.0x16.1	132.0x39.0	0.53x0.53	0.51x0.51	T6963C	78.46	67.25

Negative Transmissive with White EL Backlight

• 6 O'Clock Viewing Direction

For quantities of 50 and up, call for quot

128x64 Dot Pixels (WxH)												
668-G-S12864BMNSEW	MTG-S12864BMNHSEW	STN	Negative	EL	White	75.0x52.7x9.0	60.0x32.5	0.43x0.43	0.40x0.40	KS0107	27.64	23.60

Negative Transmissive with White CCFL Backlight

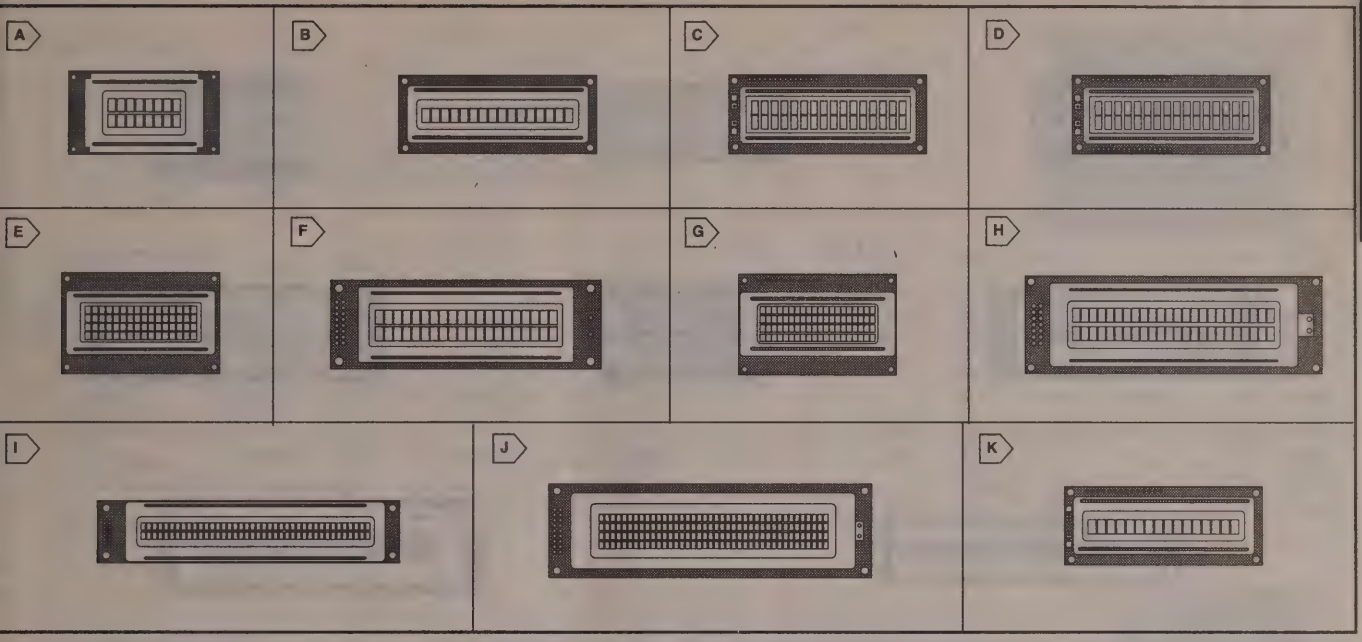
• 6 O'Clock Viewing Direction

For quantities of 50 and up, call for quot

320x240 Dot Pixels (WxH)												
668-G-S32240JMNSCW	MTG-S32240JMNHSCW-A	STN	Negative	CCFL	White	167.1x109.0x11.0	122.0x92.0	0.36x0.36	0.34x0.34	-	115.10	98.60

MICROTIPS LCD Character Display Modules

Microtips TECHNOLOGY



CHARACTER MODULES

Reflective

Specifications:
Viewing Direction: 6 O'Clock
Fluid Type: STN

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microtips Part No.	Fig.	Background Color	Backlight Type	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) H x W	Character Size (mm) H x W	Dot Size (mm) H x W	Price Each 1	10	50	100
16x2 Format (Character x Line)													
668-C-S0802XRGNN	MTC-S0802XRGHS	A	Gray	None	None	58.0 x 32.0 x 10.0	38.0x16.0	3.55x5.94	.056x0.66	7.14	6.12	5.27	4.59
668-C-S0802XRYNS	MTC-S0802XRYHS-10	A	Yellow	None	None	58.0 x 32.0 x 10.0	38.0x16.0	3.55x5.94	.056x0.66	7.14	6.12	5.27	4.59
16x1 Format (Character x Line)													
668-C-S16100XRGHS	MTC-S16100XRGHS-10	B	Gray	None	None	80.0x36.0x10.0	65.0x14	3.77x6.59	0.58x0.78	10.06	8.62	7.42	6.47
668-C-S16100XRYHS	MTC-S16100XRYHS	B	Yellow	None	None	80.0x36.0x10.0	65.0x14	3.77x6.59	0.58x0.78	10.06	8.62	7.42	6.47
668-C-S16101XRGHS	MTC-S16101XRGHS	B	Gray	None	None	122.0x33.0x10.5	99.0x13.0	4.84x8.06	0.92x1.10	16.49	14.13	12.17	10.60
16x2 Format (Character x Line)													
668-C-S16201XRGHS	MTC-S16201XRGHS-10A	C	Gray	None	None	122.04x44.0x10.5	99.0x24.0	4.84x8.06	0.92x1.10	16.67	14.29	12.31	10.72
668-C-S16204XRGHS	MTC-S16204XRGHS-10A	C	Gray	None	None	84.0x44.0x10.0	62.2x17.9	2.95x5.55	0.55x0.65	11.63	9.97	8.59	7.48
668-C-S16204XRYHS	MTC-S16204XRYHS-10A	C	Yellow	None	None	84.0x44.0x10.0	62.2x17.9	2.95x5.55	0.55x0.65	11.63	9.97	8.59	7.48
668-C-S16205DRGHS	MTC-S16205DRGHS	D	Gray	None	None	84.0x36.0x9.5	64.5x16.4	2.97x5.57	0.57x0.67	10.73	9.20	7.92	6.90
668-C-S16205DRYHS	MTC-S16205DRYHS	D	Yellow	None	None	84.0x36.0x9.5	64.5x16.4	2.97x5.57	0.57x0.67	10.73	9.20	7.92	6.90
16x4 Format (Character x Line)													
668-C-S16400XRGHS	MTC-S16400XRGHS-05	E	Gray	None	None	87.0x60.0x9.5	61.8x25.2	2.95x4.75	0.55x0.55	21.17	18.14	15.62	13.61
668-C-S16400XRYHS	MTC-S16400XRYHS-05	E	Yellow	None	None	87.0x60.0x9.5	61.8x25.2	2.95x4.75	0.55x0.55	21.17	18.14	15.62	13.61
20x2 Format (Character x Line)													
668-C-S20200XRGHS	MTC-S20200XRGHS-10	F	Gray	None	None	116.0x37.0x10.0	82.2x18.2	3.20x5.55	0.60x0.65	16.49	14.13	12.17	10.60
668-C-S20200XRYHS	MTC-S20200XRYHS-10	F	Yellow	None	None	116.0x37.0x10.0	82.2x18.2	3.20x5.55	0.60x0.65	16.49	14.13	12.17	10.60
20x4 Format (Character x Line)													
668-C-S20400XRGHS	MTC-S20400XRGHS	G	Gray	None	None	98.5x60.0x10.5	76.0x25.2	2.95x4.75	0.55x0.55	22.95	19.67	16.94	14.76
24x2 Format (Character x Line)													
668-C-S24200XRGHS	MTC-S24200XRGHS	H	Gray	None	None	118.0x36.0x10.0	94.5x18.0	3.20x5.55	0.60x0.65	16.51	14.15	12.18	10.61
668-C-S24200XRYHS	MTC-S24200XRYHS	H	Yellow	None	None	118.0x36.0x10.0	94.5x18.0	3.20x5.55	0.60x0.65	16.51	14.15	12.18	10.61
40x4 Format (Character x Line)													
668-C-S40400XRYHS	MTC-S40400XRYHS-10	J	Yellow	None	None	190.0x54.0x9.1	147.0x29.5	2.78x4.89	0.50x0.55	47.67	40.86	35.19	30.65

Transflective with LED Backlight

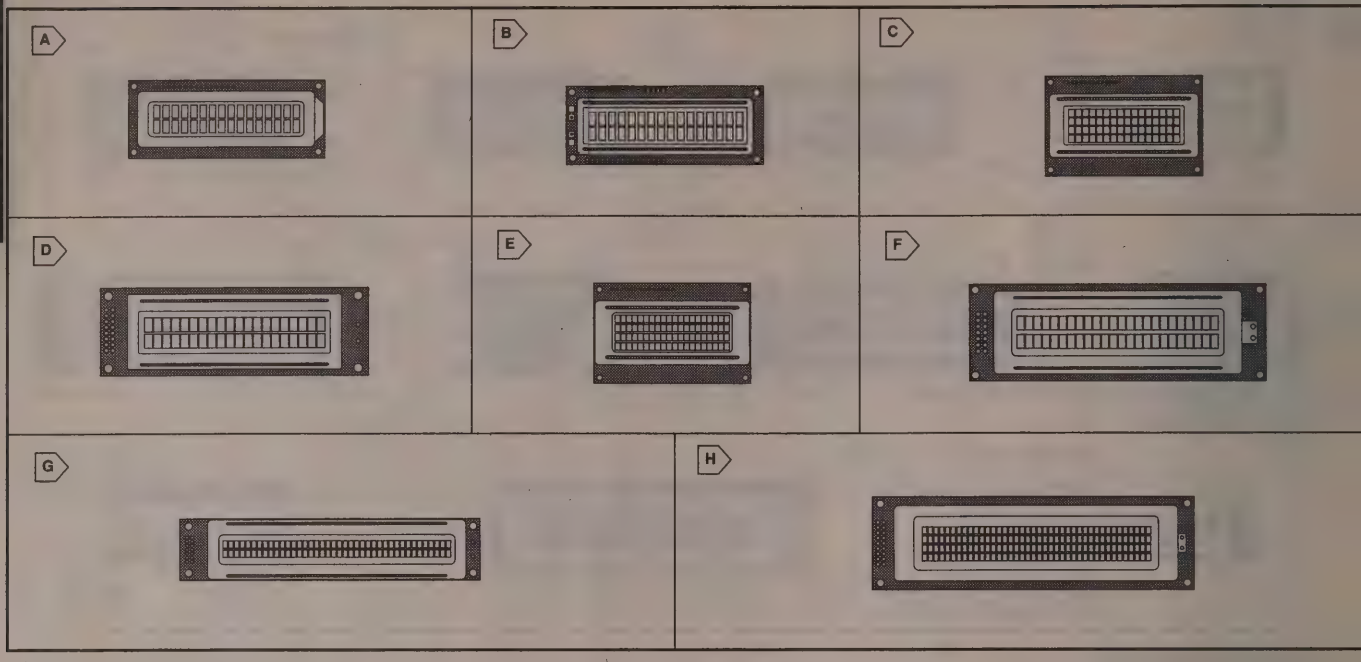
Specifications:
Viewing Direction: 6 O'Clock
Fluid Type: STN

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microtips Part No.	Fig.	Background Color	Backlight Type	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) H x W	Character Size (mm) H x W	Dot Size (mm) H x W	Price Each 1	10	50	100
8x2 Format (Character x Line)													
668-C-S0802XFGNSAY	MTC-S0802XFGHSAY-10	A	Gray	Array LED	Yel/Grn	58.0 x 32.0 x 10.0	38.0x16.0	3.55x5.94	.056x0.66	8.93	7.65	6.59	5.74
668-C-S0802XFYNSAY	MTC-S0802XFYHSAY-10	A	Yellow	Array LED	Yel/Grn	58.0 x 32.0 x 10.0	38.0x16.0	3.55x5.94	.056x0.66	8.93	7.65	6.59	5.74
16x1 Format (Character x Line)													
668-C-S16100XFGSAY	MTC-S16100XFGHSAY-10	B	Gray	Array LED	Yel/Grn	80.0x36.0x14.5	65.0x14	3.77x6.59	0.58x0.78	12.87	11.03	9.50	8.28
668-C-S16100XFYSAY	MTC-S16100XFYHSAY-10	B	Yellow	Array LED	Yel/Grn	80.0x36.0x14.5	65.0x14	3.77x6.59	0.58x0.78	12.87	11.03	9.50	8.28
668-C-S16101XFYSAY	MTC-S16101XFYHSAY	K	Yellow	Array LED	Yel/Grn	122.0x33.0x15.0	99.0x13.0	4.84x8.06	0.92x1.10	18.80	16.11	13.87	12.08

MICROTIPS LCD Character Display Modules

Microtips TECHNOLOGY



CHARACTER MODULES (CONT.)

Transflective with LED Backlight (Cont.)

Specifications:
- Viewing Direction: 6 O'Clock
- Fluid Type: STN

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Microtips Part No.	Fig.	Background Color	Backlight Type	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) H x W	Character Size (mm) H x W	Dot Size (mm) H x W	Price Each 1	10	50	100
16x2 Format (Character x Line)													
668-C-S16201XFGSAY	MTC-S16201XFGHSAY	A	Gray	Array LED	Yel/Grn	122.0x44.0x14.0	99.0x24.0	4.84x8.06	0.92x1.10	22.51	19.30	16.62	14.47
668-C-S16201XFYSAY	MTC-S16201XFYHSAY-10	A	Yellow	Array LED	Yel/Grn	122.0x44.0x14.0	99.0x24.0	4.84x8.06	0.92x1.10	22.51	19.30	16.62	14.47
668-C-S16204XFGSYA	MTC-S16204XFGHSAY-10	A	Gray	Array LED	Yel/Grn	84.0x44.0x14.2	62.2x17.9	2.95x5.55	0.55x0.65	14.64	12.55	10.80	9.41
668-C-S16204XFYSAY	MTC-S16204XFYHSAY-10	A	Yellow	Array LED	Yel/Grn	84.0x44.0x14.2	62.2x17.9	2.95x5.55	0.55x0.65	14.64	12.55	10.80	9.41
668-C-S16205DFGSAY	MTC-S16205DFGHSAY	B	Gray	Array LED	Yel/Grn	84.0x36.0x14.5	64.5x16.4	2.97x5.57	0.57x0.67	13.71	11.75	10.12	8.82
668-C-S16205DFYSAY	MTC-S16205DFYHSAY	B	Yellow	Array LED	Yel/Grn	84.0x36.0x14.5	64.5x16.4	2.97x5.57	0.57x0.67	13.71	11.75	10.12	8.82
16x4 Format (Character x Line)													
668-C-S16400XFGSAY	MTC-S16400XFGHSAY-05A	C	Gray	Array LED	Yel/Grn	87.0x60.0x9.5	61.8x25.2	2.95x4.75	0.55x0.55	26.15	22.41	19.30	16.81
668-C-S16400XFYSAY	MTC-S16400XFYHSAY-05	C	Yellow	Array LED	Yel/Grn	87.0x60.0x9.5	61.8x25.2	2.95x4.75	0.55x0.55	26.15	22.41	19.30	16.81
20x2 Format (Character x Line)													
668-C-S20200XFGSAY	MTC-S20200XFGHSAY-10	D	Gray	Array LED	Yel/Grn	116.0x37.0x14.5	82.2x18.2	3.20x5.55	0.60x0.65	21.23	18.20	15.67	13.65
668-C-S20200BFGSGW	MTC-S20200BMNHSGW	D	Gray	Edge LED	White	116.0x37.0x14.5	82.2x18.2	3.20x5.55	0.60x0.65	21.27	18.23	15.70	13.68
668-C-S20200XFYSAY	MTC-S20200XFYHSAY-10	D	Yellow	Array LED	Yel/Grn	116.0x37.0x14.5	82.2x18.2	3.20x5.55	0.60x0.65	21.23	18.20	15.67	13.65
20x4 Format (Character x Line)													
668-C-S20400XFYSAY	MTC-S20400XFYHSAY	E	Yellow	Array LED	Yel/Grn	98.5x60.0x14.5	76.0x25.2	2.95x4.75	0.55x0.55	28.20	24.17	20.82	18.13
24x2 Format (Character x Line)													
668-C-S24200XFGSAY	MTC-S24200XFGHSAY	F	Gray	Array LED	Yel/Grn	118.0x36.0x14.5	94.5x18.0	3.20x5.55	0.60x0.65	21.17	18.14	15.62	13.61
668-C-S24200XFYSAY	MTC-S24200XFYHSAY	F	Yellow	Array LED	Yel/Grn	118.0x36.0x14.5	94.5x18.0	3.20x5.55	0.60x0.65	21.17	18.14	15.62	13.61
40x2 Format (Character x Line)													
668-C-S40200XFYSAY	MTC-S40200XFYHSAY	G	Yellow	Array LED	Yel/Grn	182.0x33.5x14.0	154.0x16.5	3.20x5.55	0.60x0.65	21.23	18.20	15.67	13.65
40x4 Format (Character x Line)													
668-C-S40400XFYSAY	MTC-S40400XFYHSAY-10	H	Yellow	Array LED	Yel/Grn	190.0x54.0x14.0	147.0x29.5	2.78x4.89	0.50x0.55	58.80	50.40	43.40	37.80

Negative Transmissive with LED Backlight

Specifications:
- Viewing Direction: 6 O'Clock
- Fluid Type: STN

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Microtips Part No.	Fig.	Background Color	Backlight Type	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) H x W	Character Size (mm) H x W	Dot Size (mm) H x W	Price Each 1	10	50	100
16x2 Format (Character x Line)													
668-C-S16201XMNSAY	MTC-S16201XMNHSAY-10A	A	Negative	Array LED	Yel/Grn	122.0x44.0x14.0	99.0x24.0	4.84x8.06	0.92x1.10	16.67	14.29	12.31	10.72
668-C-S16204XMNSAY	MTC-S16204XMNHSAY-10A	A	Negative	Array LED	Yel/Grn	84.0x44.0x14.2	62.2x17.9	2.95x5.55	0.55x0.65	14.64	12.55	10.80	9.41
668-C-S16205DMNSGW	MTC-S16205GMNHSGW-A	B	Negative	Edge LED	White	84.0x36.0x14.5	64.5x16.4	2.97x5.57	0.57x0.67	13.71	11.75	10.12	8.82
20x2 Format (Character x Line)													
668-C-S20200XMNSAY	MTC-S20200XMNHSAY-10	D	Negative	Array LED	Yel/Grn	116.0x37.0x14.5	82.2x18.2	3.20x5.55	0.60x0.65	21.23	18.20	15.67	13.65
668-C-S20200BMNSGW	MTC-S20200BMNHSGW	D	Negative	Edge LED	White	116.0x37.0x14.5	82.2x18.2	3.20x5.55	0.60x0.65	21.27	18.23	15.70	13.68

OPTREX LCD Modules

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FT LCD MODULES

trex America's TFT (thin film transistor) flat panel displays are rugged, high performance modules designed for the most nanding non-PC applications. They deliver best-in-class, front-of-screen performance with wide viewing angles, powerful cklights and exceptionally high contrast, color saturation and luminance for a range of non-PC applications. These modules exceptionally rugged – and can operate reliably over wide temperature ranges.

trex America's TFT modules are ideally suited for the requirements of the industrial, medical, multimedia and trumentation markets. Applications include diagnostic equipment, industrial control equipment, POS displays, sks, ATMs, and amusement/entertainment systems.

MOUSER STOCK NO.	Optrex Part No.	Size	Dot Format	Outline Dimension WxHxD (mm)	Interface	Luminance	Contrast Ratio	Vertical Viewing Angle	Horizontal Viewing Angle	Power Consumption	Operating Temp. (°C)	Price Each
805-T51750GS065JA	T-51750GD065J-FW-AA	6.5	640xRGBx480	158.0x120.4x11.6	TTL	400	300:1	-60/30	±55	4.8W	0 to 60	320.00
805-T51638D084AB	T-51638D084J-FW-A-AB	8.4	640xRGBx480	199.5x149.0x11.5	TTL	480	500:1	-60/50	±65	6.6W	-20 to 70	400.40
805-T51639D084UAB	T-51639D084JU-FW-A-AB	8.4	1024xRGBx768	205.0x152.4x11.3	LVDS	300	400:1	-40/50	±60	6.6W	-20 to 70	491.40
805-T51513D104JUC	T-51513D104JU-FW-A-AC	10.4	640xRGBx480	243.0x181.6x12.2	TTL	430	500:1	-45/55	±60	6.8W	-20 to 70	400.40
805-T51512D121JB	T-51512D121J-FW-A-AB	12.1	800xRGBx600	280.0x210.0x12.0	TTL	400	500:1	-50/40	±60	7.6W	-20 to 70	418.60
805-T51756D121JA	T-51756D121J-FW-A-AA	12.1	1024xRGBx768	280.0x210.0x12.0	LVDS	320	550:1	-50/40	±60	8.0W	-20 to 70	473.20
805-T51866D121JFWAAA	T-51866D121J-FW-A-AA	12.1	800xRGBx600	280.0x210.0x12.0	LVDS	350	500:1	-75/45	±65	7.5W	-20 to 70	418.60
805-T51511D150C	T-51511D150-FW-A-AC	15.0	1024xRGBx768	326.0x255.0x15.5	TTL	300	450:1	-60/50	±75	16.3W	0 to 50	436.80
805-T51863D150JFWAAA	T-51863D150J-FW-A-AA	15.0	1024xRGBx768	326.0x255.0x15.9	LVDS	250	450:1	-60/50	±75	9.4W	-20 to 70	482.31
805-T51863D150JFWAAB	T-51863D150J-FW-A-AB	15.0	1024xRGBx768	326.0x255.0x15.9	LVDS	450	450:1	-60/50	±75	17.5W	-20 to 70	518.70
805-T51863D150JFWAAD	T-51863D150J-FW-A-AD	15.0	1024xRGBx768	326.0x 255.0x15.9	LVDS	400	350:1	-80/70	±85	17.5W	-20 to 70	609.90

Natural Color Matrix (NCM) Technology

CD TOOLKITS™

trex, the LCD Total Solution Provider, has introduced its new LCD ToolKIT™, which provides a convenient kit solution that speeds design and saves engineering and procurement e for developers of products using flat panel displays. Optrex's LCD ToolKIT™ contains everything you need to operate the included TFT display right out of the box. Supports A, composite video, and S-video interfaces. Included in the LCD ToolKIT are: LCD panel; TFT controller board with on-screen display board; backlight inverter board; inverter wer cable; 12V DC power supply; power supply AC line cord; VGA (analog RGB) cable; 3-ft. video input cable; and a Quick Set-up and document CD-ROM. IT'S ALL IN THE BOX!

A LCD ToolKITs™ – 8.4" and 10.4" (Resolution: 640 x 480)
A LCD ToolKITs™ – 8.4" and 15.0" (Resolution: 1024 x 768)
pport VGA (Analog RGB), composite video, and S-video interfaces

MOUSER STOCK NO.	Optrex Part No.	LCD Size	Resolution	Price Each
805-TK150X00	TK150X00	15.0"	1024 x 768 XGA	746.89
805-TK104V01	TK104V01	10.4"	640 x 480 VGA	665.00
805-TK084X01	TK084X01	8.4"	1024 x 768 XGA	749.00
805-TK084V00	TK084V00	8.4"	640 x 480 VGA	632.55

t Includes:

- TFT Panel
- TFT Controller Board with On-Screen Display (OSD) Board
- Backlight Inverter Board
- Inverter Power Cable
- Power Supply AC Line Cord
- VGA (Analog RGB) Cable
- 3 ft. Video Input Cable (S-Video/Composite)
- LCD-to-controller-board interface cable
- CD-ROM with Quick Set-Up Guide and controller manual

RAPHIC MODULES

trex color and monochrome STN (super twisted nematic) graphic modules offer a wide range of sizes and display mats to satisfy virtually any application. Extensive array of color/background combinations, with high brightness, h contrast, low power consumption, and LED or CCFL backlights. New Highly Reflective models feature crisp, ar black graphics on a silvery, "winter white" backgrounds, providing exceptional clarity, sharpness and readability ll types of ambient lighting conditions. Serial or parallel interface options and economical Chip-on-Glass (COG) nstruction available.

MOUSER STOCK NO.	Optrex Part No.	Size	LCD Mode	Dot Format	Dot Pitch	Outline Dimension WxHxD (mm)	Viewing Area WxH (mm)	Backlight	Luminance	Contrast Ratio	Operating Temp. (°C)	Price Each 1	Price Each 10
Color Transmissive Graphic Displays													
805-F51373GNCFWAH	F-51373GNC-FW-AH	3.8	Color	240xRGBx320	.24x.24	73.0x94.4x7.3	59.0x80.3	CCFL	70	40:1	0 to 50	99.15	79.32
805-F51373GNCLWAJ	F-51373GNC-LW-AJ	3.8	Color	240xRGBx320	.24x.24	73.0x94.4x7.3	59.0x80.3	LED	40	40:1	0 to 50	106.03	84.82
805-F51168NCUFWAB	F-51168NCU-FW-AB	5.2	Color	240xRGBx64	.176x.53	180.0x59.7x39.0	132.0x39.0	CCFL	150	40:1	0 to 50	184.33	147.46
805-F51900NCUFWAC**	F-51900NCU-FW-AC	5.7	Color	320xRGBx240	.36x.36	168.0x111.0x9.4	120.0x90.0	CCFL	100	25:1	0 to 50	142.50	114.00
805-F51900NCUFWADN	F-51900NCU-FW-ADN	5.7	Color	320xRGBx240	.36x.36	168.0x111.0x7.4	120.0x90.0	CCFL	120	25:1	0 to 50	134.69	107.75
Monochrome Transmissive Graphic Displays													
805-F51553GNBJAB	F-51553GNBJ-LW-AB	2.8	Blue/White	128x64	.50x.50	89.7x49.8x11.8	66.8x35.5	White LED	100	8:1	-20 to 70	27.45	21.96
805-F51852GNFQJLBABN	F-51852GNFQJ-LB-ABN	2.8	Black/Blue	128x64	.50x.50	89.7x49.8x11.8	69.0x36.5	Blue LED	100	60:1	-20 to 70	36.80	29.44
805-F51852GNFQJLGACN	F-51852GNFQJ-LG-ACN	2.8	Black/Green	128x64	.50x.50	89.7x49.8x11.8	69.0x36.5	Green LED	100	60:1	-20 to 70	33.02	26.42
805-F51852GNFQJLYADN	F-51852GNFQJ-LY-ADN	2.8	Black/Yellow	128x64	.50x.50	89.7x49.8x11.8	69.0x36.5	Yellow LED	100	60:1	-20 to 70	33.02	26.42
805-F51852GNFQJLRAGN	F-51852GNFQJ-LR-AGN	2.8	Black/Red	128x64	.50x.50	89.7x49.8x11.8	69.0x36.5	Red LED	100	60:1	-20 to 70	36.80	29.44
805-F51852GNFQHLWAFN	F-51852GNFQH-LW-AFN	2.8	Black/White	128x64	.50x.50	89.7x49.8x11.8	69.0x36.5	White LED	100	60:1	-30 to 80	36.80	29.44
805-F51477GNBAD	F-51477GNB-FW-AD	4.7	Neutral/Blue	320x240	.30x.30	129.4x94.0x10.0	99.9x77.0	CCFL	400	4.5:1	0 to 50	76.48	61.18
805-F51477GNFAG	F-51477GNF-LW-AG	4.7	Black/White	320x240	.30x.30	129.4x94.0x8.8	99.85x77.0	White LED	280	20:1	0 to 50	99.61	79.58
805-DMF5005NYAKE	DMF-5005NY-LY-AKE	5.2	Yell/Dk. Blue	240x64	.53x.53	180.0x65.0x17.6	132.0x39.0	LED	45	7:1	0 to 50	76.33	61.06
805-F51405GNBAJ	F-51405GNB-LW-AJ	5.2	Blue/White	240x64	.53x.53	149.5x51.7x9.8	130.2x36.7	LED	400	5:1	0 to 50	78.43	62.74
805-F51851GNFQJLWAAN	F-51851GNFQJ-LW-AAN	5.2	Black/White	240x64	.53x.53	135.2x51.7x9.8	130.2x37.6	White LED	100*	60:1	-20 to 70	73.82	59.05
805-F51851GNFQJLBABN	F-51851GNFQJ-LB-ABN	5.2	Black/Blue	240x64	.53x.53	135.2x51.7x9.8	130.2x37.6	Blue LED	100	60:1	-20 to 70	73.82	59.05
805-F51851GNFQJLGACN	F-51851GNFQJ-LG-ACN	5.2	Black/Green	240x64	.53x.53	135.2x51.7x9.8	130.2x37.6	Green LED	100	60:1	-20 to 70	73.82	59.05
805-F51851GNFQJLYADN	F-51851GNFQJ-SY-ADN	5.2	Black/Yellow	240x64	.53x.53	135.2x51.7x9.8	130.2x37.6	Yellow LED	100	60:1	-20 to 70	73.82	59.05
805-DMF50840NBAS	DMF-50840NB-FW-AKE-AS	5.7	Blue/White	320x240	.36x.36	167.1x109.0x11.0	120.0x90.0	CCFL	60	5:1	0 to 60	95.00	76.00
805-F51430NFUAA	F-51430NFU-FW-AA	9.4	Black/White	640x480	.30x.30	260.0x174.0x8.5	196.0x148.0	CCFL	110	14:1	0 to 50	296.60	237.28
Monochrome Transflective Graphic Displays													
805-F51852GNFJSLWAEN	F-51852GNFJ-SLW-AEN	2.8	Black/Wint.W	†	128x64	.50x.50	89.7x49.8x11.8	69.0x36.5	LED	40	4.5:1	-20 to 70	27.99	22.39
805-F51477GNFSAB	F-51477GNF-SFW-AB	4.7	Black/White		320x240	.30x.30	129.4x94.0x10.0	99.9x77.0	CCFL	200	3.5:1	-10 to 60	80.63	64.50
805-F51854GNFSLWABN	F-51854GNFJ-SLW-ABN	4.7	Black/Wint.W	†	160x128	.58x.58	129.0x102.0x13.5	108.6x82.55	LED	40	4.5:1	-20 to 70	102.51	82.00
805-F51851GNFJSLWAEN	F-51851GNFJ-SLW-AEN	5.2	Black/Wint.W	†	240x64	.53x.53	135.2x51.7x9.8	130.2x37.6	LED	40	4.5:1	-20 to 70	70.45	56.36

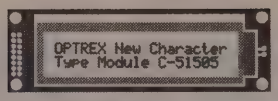
* At backlight surface
* Includes touch panel
† HR-Highly Reflective Background-Winter White (Wint.W)

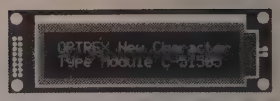
LCD Modules

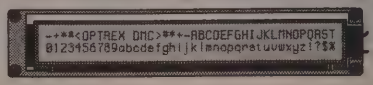
OPTREX CHARACTER LCD MODULES

Optrex offers the broadest range of monochrome character LCD modules in a wide range of dot pixel formats and color/background combinations in industry standard configurations. High contrast, wide operating temperature range, low operating current, and more luminance per watt. Positive (transflective) types and negative (transmissive) types utilizing Optrex's High Performance Color technology are available.

New Highly Reflective models feature crisp, clear black characters on a silvery, "winter White" background, providing exceptional clarity, sharpness and readability in all types of ambient lighting conditions. If you need a monochrome character LCD for your information display, Optrex has the right one for your application.







NEW FROM SUPPLIER

MOUSER STOCK NO.	Optrex Part No.	Dot Format	LCD Mode	Character Format	Outline Dimension WxHxD (mm)	Viewing Area	Backlight	Luminance *	Contrast Ratio	Operating Temp (°C)	Price Each 1	25	50	100
Transmissive Character Displays														
805-DMC16202NYAGE	DMC-16202NY-LY-AGE	16x2	Yellow/Dark Blue	5x8	84x45x15.1	61x16	LED	55	10:1	-10 to 50	16.54	13.72	12.35	11.49
805-DMC16230NYAVE	DMC-16230NY-LY-AVE	16x2	Yellow/Dark Blue	5x7**	122x44x14.6	99x24	LED	70	8:1	0 to 50	24.20	20.08	18.07	16.81
805-51848NFQJLWAAN	C-51848NFQJ-LW-AAN	16x2	Black/White	5x8	122x44x14.6	99.6x24.5	White LED	70	60:1	-20 to 70	31.46	25.95	23.60	22.02
805-51848NFQJLGACN	C-51848NFQJ-LG-ACN	16x2	Black/Green	5x8	122x44x14.6	99.6x24.5	Green LED	70	60:1	-20 to 70	31.46	25.95	23.60	22.02
805-DMC20261NYAXE	DMC-20261NY-LY-AXE	20x2	Yellow/Dark Blue	5x8	116x37x15.7	83x18.6	LED	40	12:1	0 to 50	20.86	17.31	15.58	14.49
805-51505NFQJ	C-51505NFQJ-LW-AD	20x2	Black/White	5x8	116x37x15.6	83x18.6	White LED	125	80:1	-20 to 70	24.08	20.06	18.06	16.86
805-51505NFQJLBAE	C-51505NFQJ-LB-AE	20x2	Neutral/Blue	5x8	116x37x15.6	83x18.6	Blue LED	38	80:1	-20 to 70	26.63	23.67	20.71	15.98
805-51505NFQJLGAF	C-51505NFQJ-LG-AF	20x2	Black/White	5x8	116x37x15.6	83x18.6	Green LED	160	80:1	-20 to 70	26.63	23.67	20.71	15.98
805-DMC20481NYAGE	DMC-20481NY-LY-AGE	20x4	Yellow/Dark Blue	5x8	98.5x61x15.6	76x25.2	LED	60	12:1	0 to 50	30.68	25.46	22.92	21.31
805-51847NFQJLWAAN	C-51847NFQJ-LW-AAN	20x4	Black/White	5x8	98.5x61x15.6	76x25.2	White LED	70	60:1	-20 to 70	34.74	28.66	26.06	24.32
805-51847NFQJLGACN	C-51847NFQJ-LG-ACN	20x4	Black/Green	5x8	98.5x61x15.6	76x25.2	Green LED	70	60:1	-20 to 70	34.74	28.66	26.06	24.32
805-51850NFQJLWAAN	C-51850NFQJ-LW-AAN	40x2	Black/White	5x8	182x34.5x15.1	153.5x17.5	White LED	70	60:1	-20 to 70	43.84	36.17	32.88	30.69
805-51850NFQJLGACN	C-51850NFQJ-LG-ACN	40x2	Black/Green	5x8	182x34.5x15.1	153.5x17.5	Green LED	70	60:1	-20 to 70	43.84	36.17	32.88	30.69
805-51849NFQJLWAAN	C-51849NFQJ-LW-AAN	40x4	Black/White	5x8	190x54x14.6	147x29.5	White LED	70	60:1	-20 to 70	98.12	80.95	73.59	68.68
805-51849NFQJLGACN	C-51849NFQJ-LG-ACN	40x4	Black/Green	5x8	190x54x14.6	147x29.5	Green LED	70	60:1	-20 to 70	98.12	80.95	73.59	68.68
Transflective Character Displays														
805-51848NFJSLWADN	C-51848NFJ-SLW-ADN	16x2	Winter White/Black †	5x8	122x44x14.6	99.6x24.5	LED	40	5:1	-20 to 70	27.54	22.72	20.66	19.28
805-51505NFJSLWAC	C-51505NFJ-SLW-AC	20x2	Black/White	5x8	116x37x15.6	83x18.6	White LED	125	5:1	-20 to 70	20.98	17.41	15.67	14.57
805-51847NFJSLWADN	C-51847NFJ-SLW-ADN	20x4	Winter White/Black †	5x8	98.5x61x15.6	76x25.2	LED	40	5:1	-20 to 70	33.16	27.36	24.87	23.21
805-51850NFJSLWADN	C-51850NFJ-SLW-ADN	40x2	Winter White/Black †	5x8	182x34.5x15.1	153.5x17.5	LED	40	5:1	-20 to 70	41.84	34.52	31.38	29.29
805-51849NFJSLWADN	C-51849NFJ-SLW-ADN	40x4	Winter White/Black †	5x8	190x54x14.6	147x29.5	LED	40	5:1	-20 to 70	95.38	78.69	71.54	66.77

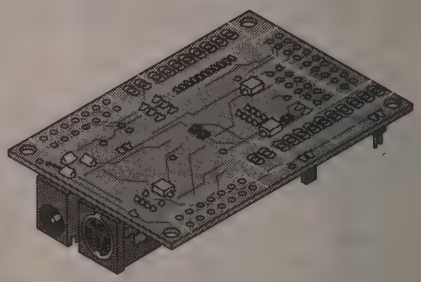
* Luminance measured at backlight surface
** Cursor
† HR-Highly Reflective Background

JEM INNOVATIONS CHARACTER LCD MODULE EVALUATION AND DEVELOPMENT PLATFORM

The EDP-I is designed for evaluating LCD modules without having to lay out your own design.
It provides pinouts for the most popular modules in the industry and an easy to use keyboard interface.

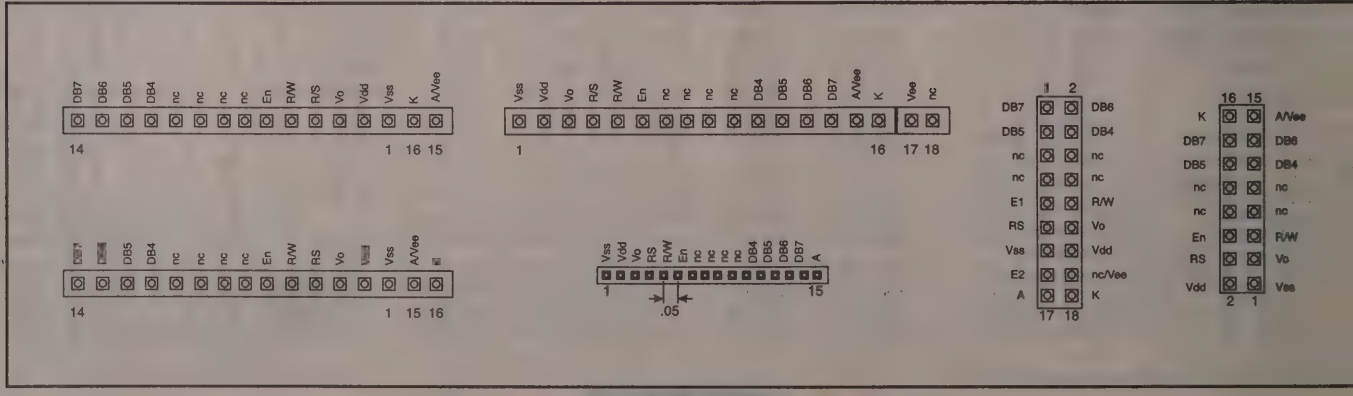
What you need for this Platform:
- Character Display of your choice
- 0.1in Board mount Sockets and Headers
- PS/2 Style PC Keyboard
- 5VDC Power Supply (418-TR1505)

Please Note: Backlight current is different from modules to modules. Consult the data sheet for your LCD module and use R14 for installing a current limiting resistor. The user guide will explain this.



MOUSER STOCK NO.	JEM Part No.	Description	Price Each
832-EDPI	EDP-I	Character Display Evaluation Board	59.00

Supported Pinouts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1 16 17 18
DB5 DB4 nc nc nc nc En R/W RS Vo Vss A/Vee
14 1 15 16
Vss Vdd Vo RS R/W En nc nc nc nc DB4 DB5 DB6 DB7 A
1 15 .05
1 2
DB7 DB6
DB5 DB4
nc nc
nc nc
E1 R/W
RS Vo
Vss Vdd
E2 nc/Vee
A K
17 18
16 15
K A/Vee
DB7 DB6
DB5 DB4
nc nc
nc nc
En R/W
RS Vo
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2 1

SEIKO INSTRUMENTS Graphic & LCD Display Modules

SII Seiko Instruments

GRAPHIC DISPLAY MODULES

These graphic modules offer the greatest flexibility in formatting data on the display. They allow for text, graphics or any combination of the two. Since character design is defined by software, they allow any language or character font to be shown. The only limit is the resolution of the display. graphic modules are organized in rows as defined by software, they allow any language or character font to be shown. The only limit is the resolution of the display. graphic modules are organized in rows (horizontal) and columns (vertical) of pixels. Each pixel is addressed individually allowing any combination to be "on". This bit mapping provides the user with the ability to construct text of any size or shape or true graphics if that is desired. Seiko Instruments offers resolutions from 128x32 up to 320x240.

G1213 Illustrated
(128 x 32 Dot Pixels)

Features:

- STN & FSTN technology offers excellent contrast and wide viewing angle.
- Thin, lightweight, with low power consumption
- CFL backlight offers high brightness and long life
- Built-in controller available on some models
- 4-bit parallel interface except for G1213 and G1216 (8-bit)

Specifications:

- Power supply voltage (VDD): Standard Modules +5.0V
  Chip-On-Glass Modules +3.3V
- Operating temperature: (G1213, G1216, G191D) = -20°C ~ +70°C
  (G321E) = 0°C ~ +50°C
- Storage temperature: (G1213, G1216, G191C) = -30°C ~ +80°C
  (G321E) = -20°C ~ +60°C

Gray

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Fluid Type	Viewing Mode	Dot Pixels H x V	Module Size (mm) H x V x T	Viewing Area (mm) H x V	Dot Size (mm) H x V	Dot Pitch (mm) H x V	Price Each 1	10	20
628-G121300N	G121300N000	WTSTN	Reflective	128 x 32	75.0 x 42.0 x 6.8	60.0 x 21.0	0.40 x 0.48	0.43 x 0.51	30.15	26.80	25.13
628-G121600N	G121600N000	WTSTN	Reflective	128 x 64	75.0 x 53.0 x 6.8	60.0 x 33.0	0.40 x 0.40	0.43 x 0.43	39.06	34.72	32.55

Yellow - Green LED Backlight

For quantities of 50 and up, call for quote.

628-G1213B1N	G1213B1N000	WTSTN	Transflective - Pos	128 x 32	75.0 x 42.0 x 8.9	60.0 x 21.0	0.40 x 0.48	0.43 x 0.51	36.00	32.00	30.00
628-G1216B1N	G1216B1N000	WTSTN	Transflective - Pos	128 x 64	75.0 x 53.0 x 8.9	60.0 x 33.0	0.40 x 0.40	0.43 x 0.43	39.87	35.44	33.23
628-G191DB1P	G191DB1P000	STN	Transflective - Pos	192 x 192	86.0 x 95.0 x 9.0	67.4 x 67.4	0.30 x 0.30	0.33 x 0.33	82.62	73.44	68.85

Black - White CFL Backlight

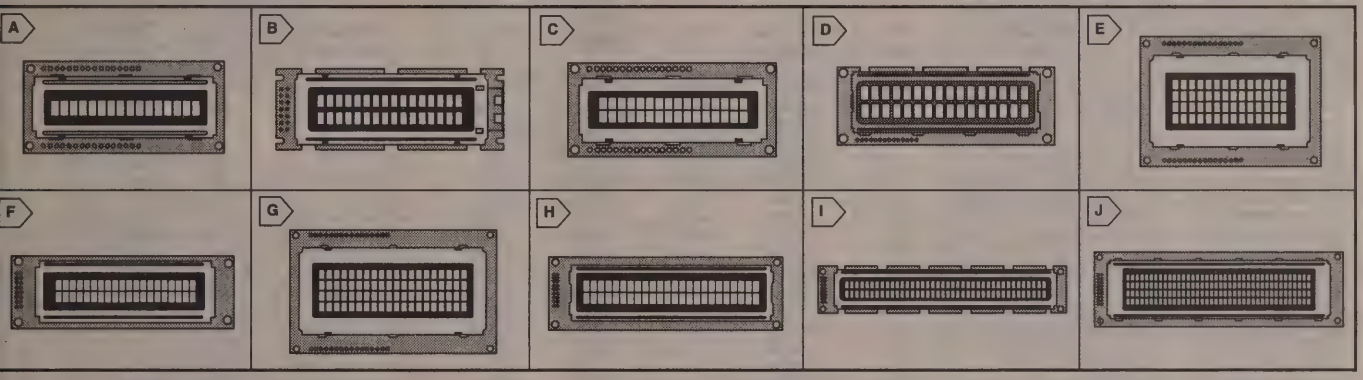
For quantities of 50 and up, call for quote.

628-G321EV5R	G321EV5R000	FSTN	Transmissive - Neg	320 x 240	150.0 x 96.0 x 14.0	103.0 x 80.0	0.27 x 0.27	0.30 x 0.30	117.54	104.48	97.95
628-G321EV5RX	G321EV5R00X	FSTN	Transmissive - Neg	320 x 240	150.0 x 96.0 x 14.0	103.0 x 80.0	0.27 x 0.27	0.30 x 0.30	158.58	140.96	132.15

Blue - White CFL Backlight

For quantities of 50 and up, call for quote.

628-G321EV5B	G321EV5B000	FSTN	Transmissive - Neg	320 x 240	150.0 x 96.0 x 14.0	103.0 x 80.0	0.27 x 0.27	0.30 x 0.30	114.30	101.60	95.25



LCD DISPLAY MODULES

These character modules contain many features designed to simplify their use and enhance a variety of applications. Different sizes, fluids and backlight options allow us to assist our customers to choose the best combination for their needs. Character modules are organized in blocks of 5 x 8 dots. This allows them to display alphanumeric characters to 4 lines of 40 characters. Each model is available with either Super Twist Nematic (STN) or wide temperature STN (WTSTN) fluid for enhanced viewing characteristics. EL or LED backlighting is an option for most models.

Features:

- Thin, lightweight, low power
- STN fluid for high contrast and wide viewing angle
- Built-in controller

Gray Reflective

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Fig.	Fluid Type	Format Character x Line	Module Size (mm) H x V x T	Viewing Area (mm) H x V	Character Size (mm) H x V	Dot Size (mm) H x V	Price Each 1	10	20
628-L167100J	L167100J000	A	STN	16 x 1	80.0 x 36.0 x 11.3	64.5 x 13.8	3.07 x 5.73	0.55 x 0.75	8.23	7.31	6.86
628-L167200J	L167200J000	B	STN	16 X 2	85.0 x 30.0 x 10.0	62.0 x 16.0	2.78 x 4.27	0.50 x 0.55	8.28	7.36	6.90
628-L168200J	L168200J000	C	STN	16 x 2	80.0 x 36.0 x 11.3	64.5 x 13.8	2.95 x 3.80	0.55 x 0.55	10.08	8.96	8.40
628-L169200J2	L169200J200	D	STN	16 x 2	122.0 x 44.0 x 11.3	99.0 x 24.0	4.84 x 8.06	0.92 x 1.10	18.63	16.56	15.53
628-L163400J	L163400J000	E	STN	16 x 4	87.0 x 60.0 x 11.6	61.8 x 25.2	2.95 x 4.15	0.50 x 0.55	20.97	18.64	17.48
628-L203200J	L203200J000	F	STN	20 x 2	116.0 x 37.0 x 11.3	83.0 x 18.6	3.20 x 4.85	0.60 x 0.65	16.11	14.32	13.43
628-L203400J	L203400J000	G	STN	20 x 4	98.0 x 60.0 x 11.6	76.0 x 25.2	2.95 x 4.15	0.55 x 0.55	18.90	16.80	15.75
628-L246200J	L246200J000	H	STN	24 x 2	118.0 x 36.0 x 11.3	94.5 x 17.8	3.20 x 4.85	0.60 x 0.65	18.36	16.32	15.30
628-L405200J	L405200J000	I	STN	40 x 2	182.0 x 33.5 x 11.3	154.4 x 15.8	3.20 x 4.85	0.60 x 0.64	27.00	24.00	22.50
628-L404400J	L404400J000	J	STN	40 x 4	190.0 x 54.0 x 10.1	147.0 x 29.5	2.78 x 4.27	0.55 x 0.55	51.75	46.00	43.13

Yellow-Green Transflective with LED Backlight

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Fig.	Fluid Type	Format Character x Line	Module Size (mm) H x V x T	Viewing Area (mm) H x V	Character Size (mm) H x V	Dot Size (mm) H x V	Price Each 1	10	20
628-L1671B1J	L1671B1J000	A	STN	16 x 1	80.0 x 36.0 x 15.8	54.5 x 13.8	3.07 x 5.73	0.55 x 0.75	14.67	13.04	12.23
628-L1672B1J	L1672B1J000	B	STN	16 x 2	85.0 x 30.0 x 15.8	62.0 x 16.0	2.78 x 4.27	0.50 x 0.55	17.01	15.12	14.18
628-L1682B1J	L1682B1J000	C	STN	16 x 2	80.0 x 36.0 x 15.8	64.5 x 13.8	2.95 x 3.80	0.50 x 0.55	16.02	14.24	13.35
628-L1692B1J2	L1692B1J200	D	STN	16 x 2	122.0 x 44.0 x 15.8	99.0 x 24.0	4.84 x 8.06	0.92 x 1.10	38.16	33.92	31.80
628-L1634B1J	L1634B1J000	E	STN	16 x 4	87.0 x 60.0 x 15.8	61.8 x 25.2	2.95 x 6.75	0.55 x 0.55	29.30	26.05	24.42
628-L2032B1J	L2032B1J000	F	STN	20 x 2	116.0 x 37.0 x 15.8	83.0 x 18.6	3.20 x 4.85	0.60 x 0.65	24.30	21.60	20.25
628-L2034B1J	L2034B1J000	G	STN	20 x 4	98.0 x 60.0 x 15.8	76.0 x 25.2	2.95 x 4.15	0.55 x 0.55	35.75	31.78	29.79
628-L2462B1J	L2462B1J000	H	STN	24 x 2	118.0 x 36.0 x 15.8	94.5 x 17.8	3.20 x 4.85	0.60 x 0.65	27.00	24.00	22.50
628-L4052B1J	L4052B1J000	I	STN	40 x 2	182.0 x 33.5 x 16.3	154.4 x 15.8	3.20 x 5.55	0.60 x 0.65	38.16	33.92	31.80
628-L4044B1J	L4044B1J000	J	STN	40 x 4	190.0 x 54.0 x 16.3	147.0 x 29.5	2.78 x 4.27	0.55 x 0.55	75.15	66.80	62.63

VARITRONIX Graphic Display Modules

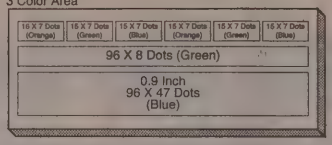
OLED GRAPHIC DISPLAY MODULES

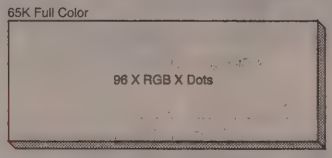
Organic light emitting display (OLED) is a new generation display technology. The biggest appeal lies in its self-luminance, excellent brightness & contrast, wide viewing angle, fast response, low driving voltage and full color. OLEDs are self-emitting devices which do not need any back- or front-lighting. They are extremely thin, lightweight. They have very fast response time and consume little power. OLEDs are ideal for application in portable electronics.

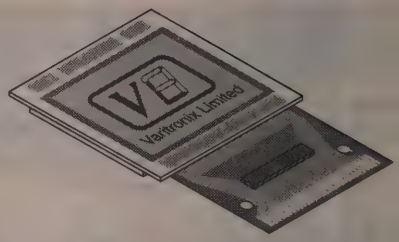
Features:

- Self-luminance: power saving
- Very fast response time: less than 1ms
- Wide viewing angle: 160 degree
- Excellent brightness & contrast: readable under sunlight
- Monochrome and Multi Color capability
- Ideal for small to middle size display: car audio, dashboard, PDA, cellular, and instrument

NEW! TECHNOLOGY


3 Color Area
16 X 7 Dots (Orange)
16 X 7 Dots (Green)
16 X 7 Dots (Blue)
16 X 7 Dots (Orange)
16 X 7 Dots (Green)
16 X 7 Dots (Blue)
96 X 8 Dots (Green)
0.9 Inch
96 X 47 Dots
(Blue)





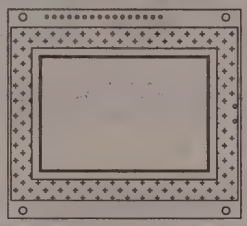
For quantities of 200 and up, call for quot

MOUSER STOCK NO.	Varitronix Limited Part No.	Fluid Type	Format (Dots)	LCD Mode	Background Color	Module Size (mm) WxHxT	Viewing Area (mm) WxH	Price Each 1	10	50	100
825-OLED9662A	OLED-9662A	OLED	96 X 62	Self-Emitting	3 Color Area	26.7 X 20.4 X 1.7	23.0 X 16.7	52.32	48.94	45.56	43.88
825-OLED9664F	OLED-9664F	OLED	96 X 64	Self-Emitting	65K Full Color	28 X 22.8 X 1.7	23.0 X 16.7	83.30	78.30	72.90	70.20

GRAPHIC DISPLAY MODULE

Features:

- STN and FSTN Fluid Type for excellent contrast and wide viewing angle
- LCD Mode - Positive
- Built-in controller for some modules
- 6 O'Clock Viewing Direction



825-GS12864GCCFL
Illustrated

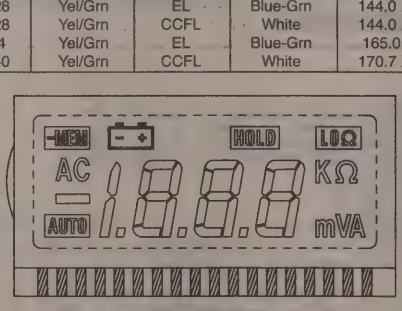
For quantities of 200 and up, call for quot

MOUSER STOCK NO.	Varitronix Limited Part No.	Fluid Type	Format Char. X Line	Background Color	Backlight	Backlight Color	Module Size (mm) WxHxT	Price Each 1	10	50	100
825-GS8464GLVEL	MGLS-8464-G-LV-EL	STN	84x64	Yel/Grn	EL	Blue-Grn	90.0 X 60.0 X 10.0	75.93	71.04	66.14	63.69
825-GS10032DGLVL1G	MGLS-10032D-G-LV-LED1G	STN	100x32	Yel/Grn	LED1	Yel-Grn	65.0 X 28.4 X 8.0	39.85	37.28	34.71	33.42
825-GS12232GLVEL	MGLS-12232-G-LV-EL	STN	122x32	Yel/Grn	EL	Blue-Grn	65.1 X 27.1 X 6.0	27.32	25.56	23.79	22.91
825-GS12864GLVL4G	MGLS-12864-G-LV-LED4G	STN	128x64	Yel/Grn	LED4	Yel-Grn	78.0 X 70.0 X 15.0	48.43	45.31	42.18	40.62
825-GS12864GCCFL	MGLS-12864-G-CCFL	STN	128x64	Yel/Grn	CCFL	White	85.0 X 70.0 X 8.0	78.07	73.04	68.00	65.48
825-GS128128TGLVL4G	MGLS-128128T-G-LV-LED4G	STN	128x128	Yel/Grn	LED4	Yel-Grn	92.0 X 106.0 X 16.5	87.30	81.67	76.04	73.22
825-GS128128TGCCFL	MGLS-128128T-G-CCFL	STN	128x128	Yel/Grn	CCFL	White	96.5 X 106.0 X 8.0	111.02	103.86	96.69	93.11
825-GS16080GLVL4G	MGLS-16080-G-LV-LED4G	STN	160x80	Yel/Grn	LED4	Yel-Grn	100.0 X 54.0 X 15.3	73.77	69.01	64.25	61.87
825-GS160128GLVL4G	MGLS-160128-G-LV-LED4G	STN	160x128	Yel/Grn	LED4	Yel-Grn	129.0 X 102.0 X 19.2	110.02	102.92	95.82	92.27
825-GS19264GLVL4G	MGLS-19264-G-LV-LED4G	STN	192x64	Yel/Grn	LED4	Yel-Grn	100.0 X 60.0 X 15.0	59.73	55.88	52.02	50.10
825-GS24064GLVL4G	MGLS-24064-G-LV-LED4G	STN	240x64	Yel/Grn	LED4	Yel-Grn	180.0 X 65.0 X 18.0	81.77	76.49	71.22	68.58
825-GS24064FSTNL4G	MGLS-24064-FSTN-LED4G	FSTN	240x64	White	LED4	Yel-Grn	180.0 X 65.0 X 18.0	96.84	90.59	84.34	81.22
825-GS24064FSTNCCFL	MGLS-24064-FSTN-CCFL	FSTN	240x64	White	CCFL	White	180.0 X 60.0 X 14.0	101.99	95.41	88.83	85.54
825-GS240128GLVEL	MGLS-240128-G-LV-EL	STN	240x128	Yel/Grn	EL	Blue-Grn	144.0 X 104.0 X 12.5	107.69	100.75	93.80	90.32
825-GS240128GCCFL	MGLS-240128-G-CCFL	STN	240x128	Yel/Grn	CCFL	White	144.0 X 104.0 X 15.0	115.72	108.25	100.78	97.05
825-GS32064GLVEL	MGLS-32064-G-LV-EL	STN	320x64	Yel/Grn	EL	Blue-Grn	165.0 X 45.0 X 10.0	115.83	108.36	100.89	97.15
825-GS320240GCCF	MGLS-320240-G-CCFL	STN	320x240	Yel/Grn	CCFL	White	170.7 X 106.4 X 13.5	145.71	136.31	126.91	122.21

LCD DISPLAYS

Features:

- TN in Reflective, Transflective, and High Temperature Styles
- Available in 2 through 8 numerical segments.
- LCD Mode - Positive
- Background Color - Gray



825-VIM310DPRCS
Illustrated

Reflective

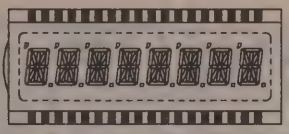
For quantities of 200 and up, call for quot

MOUSER STOCK NO.	Varitronix Limited Part No.	No. of Digits	Digit Height	Digit Type	Annunciates or Remarks	Module Size (mm) WxH	Price Each 1	10	50	100
825-VI201DPRCS	VI-201-DP-RC-S	2	12.7	7 Segment	- - -	27.9 X 30.5	3.10	2.90	2.70	2.60
825-VI321DPRCS	VI-321-DP-RC-S	3	8.89	7 Segment	- - -	30.4 X 22.8	3.08	2.88	2.68	2.58
825-VI3512RCS	VI-351-2-RC-S	3-1/2	6.4	7 Segment	Arrow, Plus/Minus	23.8 X 13.7	1.82	1.71	1.59	1.53
825-VI301DPRCS	VI-301-DP-RC-S	3-1/2	8.89	7 Segment	Arrow, Plus/Minus	50.8 X 22.9	4.41	4.12	3.84	3.69
825-VI302DPRCS	VI-302-DP-RC-S	3-1/2	12.7	7 Segment	LO BAT, Plus/Minus	50.8 X 30.5	4.90	4.58	4.27	4.11
825-VIM309DPRCS	VIM-309-DP-RC-S	3-1/2	10.2	7 Segment	Auto, Mem, Bat, AC, LOΩ, KΩ, mVA	50.8 X 30.5	4.19	3.92	3.65	3.51
825-VIM310DPRCS	VIM-310-DP-RC-S	3-1/2	10.2	7 Segment	Hold, Auto, Mem, Bat, AC, LOΩ, KΩ, mVA	50.8 X 30.5	4.49	4.20	3.91	3.77
825-VI322DPRCS	VI-322-DP-RC-S	3-1/2	12.7	7 Segment	BAT, Triangle, Plus/Minus, Sinewave	50.8 X 30.5	4.90	4.59	4.27	4.11
825-VI315DPRCS	VI-315-DP-RC-S	3-1/2	17.8	7 Segment	Arrow, Plus/Minus	69.9 X 38.1	10.78	10.08	9.39	9.04
825-VI320DPRCS	VI-320-DP-RC-S	3-1/2	25.4	7 Segment	Arrow, Plus/Minus	93.9 X 45.7	15.71	14.70	13.69	13.18
825-VI4512RCS	VI-451-2-RC-S	4	6.4	7 Segment	- - -	23.8 X 13.7	1.82	1.71	1.59	1.53
825-VI401DPRCS	VI-401-DP-RC-S	4	8.89	7 Segment	- - -	50.8 X 22.9	4.41	4.12	3.84	3.69
825-VI402DPRCS	VI-402-DP-RC-S	4	12.7	7 Segment	- - -	50.8 X 30.5	4.90	4.59	4.27	4.11
825-VI422DPRCS	VI-422-DP-RC-S	4	12.7	7 Segment	One Triangle Symbol	50.8 X 30.5	4.90	4.59	4.27	4.11
825-VIM404DPRCS	VIM-404-DP-RC-S	4	12.7	7 Segment	- - -	50.8 X 30.5	4.54	4.24	3.95	3.80
825-VI415DPRCS	VI-415-DP-RC-S	4	17.8	7 Segment	- - -	69.9 X 38.1	10.46	9.79	9.11	8.78
825-VI511DPRCS	VI-511-DP-RC-S	4-1/2	15.2	7 Segment	Arrow, Plus/Minus	69.9 X 38.1	10.78	10.08	9.39	9.04
825-VI514DPRCS	VI-514-DP-RC-S	4-1/2	8.89	7 Segment	Arrow, Plus/Minus	50.8 X 22.9	4.41	4.12	3.84	3.69
825-VI502DPRCS	VI-502-DP-RC-S	4-1/2	10.2	7 Segment	Arrow, Plus/Minus	50.8 X 30.5	4.90	4.59	4.27	4.11
825-VIM503DPRCS	VIM-503-DP-RC-S	4-1/2	10.2	7 Segment	Low Battery, Continuity, Minus	45.7 X 17.7	4.43	4.14	3.86	3.71

VARITRONIX Graphic Display Modules

LCD DISPLAYS (cont.)

Features:
TN in Reflective, Transflective, and High Temperature Styles
Available in 2 through 8 numerical segments.
LCD Mode - Positive
Background Color - Gray



825-VIM878DPRCS
Illustrated

Reflective

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Varitronix Limited Part No.	No. of Digits	Digit Height	Digit Type	Annunciates or Remarks	Module Size (mm) WxH	Price Each 1	10	50	100
825-VI508DPRCS	VI-508-DP-RC-S	5	10.2	7 Segment	- - -	45.7 X 17.7	4.90	4.59	4.27	4.11
825-VI601DPRCS	VI-601-DP-RC-S	6	8.89	7 Segment	- - -	58.5 X 12.4	6.51	6.09	5.67	5.46
825-VI602DPRCS	VI-602-DP-RC-S	6	12.7	7 Segment	- - -	69.8 X 30.5	7.77	7.27	6.77	6.52
825-VI607DPRCS	VI-607-DP-RC-S	6	17.8	7 Segment	- - -	88.0 X 24.0	14.48	13.55	12.61	12.14
825-VIM878DPRCS	VIM-878-DP-RC-S	8	7.0	14 Segment	8 Apostrophes, Starburst	48.0 X 13.0	4.41	4.12	3.84	3.69

Transflective

825-VI201DPFCS	VI-201-DP-FC-S	2	12.7	7 Segment	- - -	27.9 X 30.5	3.10	2.90	2.70	2.60
825-VI302DPFCS	VI-302-DP-FC-S	3-1/2	12.7	7 Segment	LO BAT, Plus/Minus	50.8 X 30.5	4.90	4.58	4.27	4.11
825-VI321DPFCS	VI-321-DP-FC-S	3	8.89	7 Segment	- - -	30.4 X 22.8	3.08	2.88	2.68	2.58
825-VI322DPFCS	VI-322-DP-FC-S	3-1/2	12.7	7 Segment	BAT, Triangle, Plus/Minus, Sinewave	50.8 X 30.5	4.90	4.59	4.27	4.11
825-VI402DPFCS	VI-402-DP-FC-S	4	12.7	7 Segment	- - -	50.8 X 30.5	4.90	4.59	4.27	4.11
825-VI422DPFCS	VI-422-DP-FC-S	4	12.7	7 Segment	One Triangle Symbol	50.8 X 30.5	4.90	4.59	4.27	4.11
825-VIM404DPFCS	VIM-404-DP-FC-S	4	12.7	7 Segment	- - -	50.8 X 30.5	4.54	4.24	3.95	3.80
825-VI415DPFCS	VI-415-DP-FC-S	4	17.8	7 Segment	- - -	69.9 X 38.1	10.46	9.79	9.11	8.78
825-VI502DPFCS	VI-502-DP-FC-S	4-1/2	10.2	7 Segment	Arrow, Plus/Minus	50.8 X 30.5	4.90	4.59	4.27	4.11
825-VIM503DPFCS	VIM-503-DP-FC-S	4-1/2	10.2	7 Segment	Low Battery, Continuity, Minus	45.7 X 17.7	4.43	4.14	3.86	3.71

High Temperature Rating

825-VI201DPRHWHV	VI-201-DP-RH-W-HV	2	12.7	7 Segment	- - -	27.9 X 30.5	3.34	3.13	2.91	2.80
825-VI302DPRHWHV	VI-302-DP-RH-W-HV	3-1/2	12.7	7 Segment	LO BAT, Plus/Minus	50.8 X 30.5	5.30	4.96	4.62	4.45
825-VI321DPRHWHV	VI-321-DP-RH-W-HV	3	8.89	7 Segment	- - -	30.4 X 22.8	3.33	3.11	2.90	2.79
825-VI322DPRHWHV	VI-322-DP-RH-W-HV	3-1/2	12.7	7 Segment	BAT, Triangle, Plus/Minus, Sinewave	50.8 X 30.5	5.29	4.95	4.61	4.44
825-VI402DPRHWHV	VI-402-DP-RH-W-HV	4	12.7	7 Segment	- - -	50.8 X 30.5	5.29	4.95	4.61	4.44
825-VI422DPRHWHV	VI-422-DP-RH-W-HV	4	12.7	7 Segment	One Triangle Symbol	50.8 X 30.5	5.29	4.95	4.61	4.44
825-VIM404DPRHWHV	VIM-404-DP-RH-W-HV	4	12.7	7 Segment	- - -	50.8 X 30.5	4.90	4.59	4.27	4.11
825-VI415DPRHWHV	VI-415-DP-RH-W-HV	4	17.8	7 Segment	- - -	69.9 X 38.1	11.30	10.57	9.84	9.48
825-VI502DPRHWHV	VI-502-DP-RH-W-HV	4-1/2	10.2	7 Segment	Arrow, Plus/Minus	50.8 X 30.5	5.29	4.95	4.61	4.44
825-VIM503DPRHWHV	VIM-503-DP-RH-W-HV	4-1/2	10.2	7 Segment	Low Battery, Continuity, Minus	45.7 X 17.7	4.77	4.47	4.16	4.00

CHARACTER MODULES

Features:
Viewing Direction: 6 O'Clock
Character Format: 5 X 8
Operating Temperature: -5°C to +50°C

825-DS40466L4G
Illustrated

STN Negative Mode Fluid Type

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Varitronix Limited Part No.	Format Char. X Line	Background Color	Backlight	Backlight Color	Module Size (mm) WxHxT	Viewing Area (mm) WxH	Character Size (mm) WxH	Price Each 1	10	50	100
825-DS81809L4G	MDLS-81809-G-LV-LED4G	8x1	Yel/Grn	LED4G	Yel/Grn	84.0 X 44.0 X 15.0	81.0 X 15.8	6.45 X 10.75	20.04	18.75	17.45	16.81
825-DS82603	MDLS-82603-G-LV	8x2	Yel/Grn	None	--	33.7 X 44.4 X 10.0	26.5 X 12.2	2.10 X 3.40	8.66	8.10	7.54	7.26
825-DS12433P	MDLS-12433P-G-LV	12x4	Yel/Grn	None	--	48.0 X 44.0 X 2.0	41.0 X 19.1	2.05 X 3.55	28.94	27.07	25.21	24.27
825-DS16163L1G	MDLS-16163-G-LV-LED1G	16x1	Yel/Grn	LED1G	Yel/Grn	53.0 X 20.0 X 8.0	36.0 X 10.0	3..15 X 1.85	11.83	11.07	10.30	9.92
825-DS16165L4G	MDLS-16165-G-LV-LED4G	16x1	Yel/Grn	LED4G	Yel/Grn	68.0 X 34.0 X 12.0	52.0 X 11.0	5.50 X 2.65	15.62	14.62	13.61	13.10
825-DS16166L4G	MDLS-16166-G-LV-LED4G	16x1	Yel/Grn	LED4G	Yel/Grn	80.0X 36.0 X 14.0	64.5 X 13.8	6.30 X 3.15	14.19	13.28	12.36	11.90
825-DS16168L4G	MDLS-16168-G-LV-LED4G	16x1	Yel/Grn	LED4G	Yel/Grn	122.0 X 33.0 X 15.0	99.0 X 13.0	9.22 X 4.84	20.44	19.12	17.80	17.14
825-DS161612L4G	MDLS-161612-G-LV-LED4G	16x1	Yel/Grn	LED4G	Yel/Grn	154.4 X 43.5 X 12.0	119.4 X 18.7	12.70 X 5.90	39.53	36.98	34.43	33.16
825-DS161615L4G	MDLS-161615-G-LV-LED4G	16x1	Yel/Grn	LED4G	Yel/Grn	151.0 X 40.0 X 12.0	120.0 X 23.0	14.54 X 6.00	40.10	37.51	34.93	33.63
825-DS16263	MDLS-16263-G-LV	16x2	Yel/Grn	None	--	53.0 X 20.0 X 8.0	36.0 X 10.0	3..15 X 1.85	9.70	9.07	8.45	8.13
825-DS16264L4G	MDLS-16264-G-LV-LED4G	16x2	Yel/Grn	LED4G	Yel/Grn	65.5 X 36.7 X 14.0	48.0 X 12.0	4.07 X 2.54	15.40	14.41	13.41	12.92
825-DS16265	MDLS-16265-G-LV	16x2	Yel/Grn	None	--	84.0 X 44.0 X 10.0	61.0 X 15.8	5.55 X 2.95	11.76	11.00	10.24	9.86
825-DS16265L4G	MDLS-16265-G-LV-LED4G	16x2	Yel/Grn	LED4G	Yel/Grn	84.0 X 44.0 X 14.0	61.0 X 15.8	5.55 X 2.95	15.60	14.59	13.59	13.08
825-DS16265B	MDLS-16265B-G-LV	16x2	Yel/Grn	None	--	80.0 X 36.0 X 10.0	61.0 X 15.8	5.55 X 2.95	12.12	11.34	10.56	10.17
825-DS16265BL4G	MDLS-16265B-G-LV-LED4G	16x2	Yel/Grn	LED4G	Yel/Grn	80.0 X 36.0 X 13.0	61.0 X 15.8	5.55 X 2.95	15.60	14.59	13.59	13.08
825-DS16268L4G	MDLS-16268-G-LV-LED4G	16x2	Yel/Grn	LED4G	Yel/Grn	160.0 X 52.0 X 15.0	113.0 X 35.6	7.60 X 5.40	37.65	35.22	32.79	31.57
825-DS16268B	MDLS-16268B-G-LV	16x2	Yel/Grn	None	--	122.0 X 43.0 X 11.0	99.0 X 23.0	9.22 X 4.84	22.37	20.93	19.48	18.76
825-DS16268BL4G	MDLS-16268B-G-LV-LED4G	16x2	Yel/Grn	LED4G	Yel/Grn	122.0 X 43.0 X 15.0	99.0 X 23.0	9.22 X 4.84	29.56	27.65	25.75	24.79
825-DS16465L4G	MDLS-16465-G-LV-LED4G	16x4	Yel/Grn	LED4G	Yel/Grn	87.0 X 60.0 X 13.0	61.8 X 25.2	4.75 X 2.95	28.69	26.84	24.99	24.07
825-DS20189L4G	MDLS-20189-G-LV-LED4G	20x1	Yel/Grn	LED4G	Yel/Grn	182.0 X 33.5 X 14.5	154.0 X 15.3	11.50 X 6.70	38.37	35.89	33.42	32.18
825-DS202612L4G	MDLS-202612-G-LV-LED4G	20x2	Yel/Grn	LED4G	Yel/Grn	182.0 X 60.0 X 13.0	147.0 X 35.2	12.70 X 5.90	64.73	60.55	56.38	54.29
825-DS20263	MDLS-20263-G-LV-LED1G	20x2	Yel/Grn	None	--	65.0 X 20.0 X 8.0	46.0 X 10.0	3.15 X 1.85	20.98	19.63	18.27	17.60
825-DS20265L4G	MDLS-20265-G-LV-LED4G	20x2	Yel/Grn	LED4G	Yel/Grn	116.0 X 37.0 X 14.0	83.0 X 18.6	5.55 X 3.20	23.38	21.87	20.36	19.61
825-DS20268L4G	MDLS-20268-G-LV-LED4G	20x2	Yel/Grn	LED4G	Yel/Grn	146.0 X 43.0 X 15.0	123.0 X 23.0	9.22 X 4.84	35.76	33.45	31.15	29.99
825-DS20269L4G	MDLS-20269-G-LV-LED4G	20x2	Yel/Grn	LED4G	Yel/Grn	180.0 X 40.0 X 14.0	149.0 X 23.0	9.52 X 5.92	40.99	38.35	35.70	34.38
825-DS20464L4G	MDLS-20464-G-LV-LED4G	20x4	Yel/Grn	LED4G	Yel/Grn	98.0 X 60.0 X 14.0	76.0 X 25.2	4.70 X 2.90	36.78	34.41	32.04	30.85
825-DS20464BL4G	MDLS-20464B-G-LV-LED4G	20x4	Yel/Grn	LED4G	Yel/Grn	77.0 X 47.0 X 13.0	60.0 X 22.0	4.03 X 2.30	32.64	30.53	28.43	27.37
825-DS20468L4G	MDLS-20468-G-LV-LED4G	20x4	Yel/Grn	LED4G	Yel/Grn	146.0 X 62.5 X 14.0	123.0 X 42.5	9.22 X 4.84	62.89	58.83	54.77	52.74
825-DS24265L4G	MDLS-24265-G-LV-LED4G	24x2	Yel/Grn	LED4G	Yel/Grn	118.0 X 36.0 X 13.4	93.5 X 15.8	5.15 X 3.15	25.02	23.41	21.79	20.99
825-DS24269L4G	MDLS-24269-G-LV-LED4G	24x2	Yel/Grn	LED4G	Yel/Grn	190.0 X 42.0 X 14.0	159.3 X 23.0	8.70 X 5.40	48.34	45.22	42.10	40.54
825-DS40266L4G	MDLS-40266-G-LV-LED4G	40x2	Yel/Grn	LED4G	Yel/Grn	182.0 X 33.5 X 14.0	154.0 X 15.8	5.50 X 3.15	43.71	40.89	38.07	36.66
825-DS40466L4G	MDLS-40466-G-LV-LED4G	40x4	Yel/Grn	LED4G	Yel/Grn	196.0 X 56.0 X 14.0	154.4 X 27.6	5.50 X 3.15	67.48	63.13	58.77	56.60

FSTN Fluid Type

825-DS16265FL4G	MDLS-16265-FSTN-LV-LED4G	16x2	White	LED4G	Yel/Grn	84.0 X 44.0 X 14.0	61.0 X 15.8	5.55 X 2.95	17.37	16.25	15.12	14.56
825-DS20265FL4G	MDLS-20265-FSTN-LV-LED4G	20x2	White	LED4G	Yel/Grn	116.0 X 37.0 X 14.0	83.0 X 18.6	5.55 X 3.20	25.24	23.61	21.99	21.17
825-DS20464FL4G	MDLS-20464-FSTN-LV-LED4G	20x4	White	LED4G	Yel/Grn	98.0 X 60.0 X 14.0	76.0 X 25.2	4.70 X 2.90	34.50	32.27	30.05	28.94
825-DS24265FL4G	MDLS-24265-FSTN-LV-LED4G	24x2	White	LED4G	Yel/Grn	118.0 X 36.0 X 13.4	93.5 X 15.8	5.15 X 3.15	27.88	26.08	24.28	23.38

STN Negative Mode Fluid Type

825-DS16265NL4G	MDLS-16265-N-LV-LED4G	16x2	Dark	LED4G	Yel/Grn	84.0 X 44.0 X 14.0	61.0 X 15.8	5.55 X 2.95	16.78	16.23	15.69	15.15
825-DS20265NL4G	MDLS-20265-N-LV-LED4G	20x2	Dark	LED4G	Yel/Grn	116.0 X 37.0 X 14.0	83.0 X 18.6	5.55 X 3.20	24.40	23.61	22.83	22.04
825-DS20464NL4G	MDLS-20464-N-LV-LED4G	20x4	Dark	LED4G	Yel/Grn	98.0 X 60.0 X 14.0	76.0 X 25.2	4.70 X 2.90	33.39	32.31	31.23	30.16
825-DS24265NL4G	MDLS-24265-N-LV-LED4G	24x2	Dark	LED4G	Yel/Grn	118.0 X 36.0 X 13.4	93.5 X 15.8	5.15 X 3.15	26.94	26.07	25.21	24.33

FAIRCHILD LED Displays

FAIRCHILD SEMICONDUCTOR

.70" 5 X 7 DOT MATRIX DISPLAYS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp (nm)	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	10	100
512-GMA7175CA	A	Hi-Eff. Red	Common anode row	635	2.1	2.8	3000	3.95	3.78	3.43
512-GMC7175CA	A	Hi-Eff. Red	Common cathode row	635	2.1	2.8	3000	4.05	3.88	3.53
512-GMA7975CA	A	Green	Common anode row	566	2.1	2.8	3000	4.67	4.47	4.06
512-GMC7975CA	A	Green	Common cathode row	566	2.1	2.8	3000	4.49	4.29	3.90

1.2" 5 X 7 DOT MATRIX DISPLAYS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp (nm)	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	10	100
512-GMA8875C	B	Hi-Eff. Red	Common anode RHDP	635	2.1	2.8	3000	4.13	3.95	3.59
512-GMC8875C	B	Hi-Eff. Red	Common cathode RHDP	635	2.1	2.8	3000	4.49	4.29	3.90
512-GMA8975C	B	Green	Common anode RHDP	565	2.1	2.8	3000	4.13	3.95	3.59
512-GMC8975C	B	Green	Common cathode RHDP	565	2.1	2.8	3000	4.49	4.29	3.90

2.0" 5 X 7 DOT MATRIX DISPLAYS

For quantities of 1000 and up, call for quote.

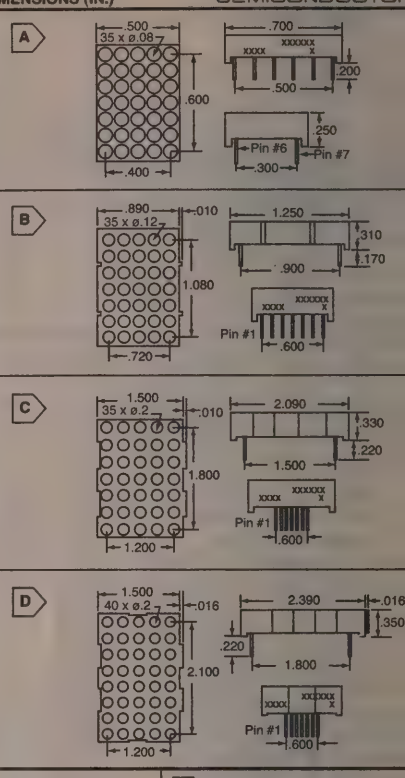
MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp (nm)	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	10	100
512-GMA2975C	C	Hi-Eff. Red	Common anode RHDP	635	2.1	2.8	3000	4.31	4.12	3.75
512-GMC2975C	C	Hi-Eff. Red	Common cathode RHDP	635	2.1	2.8	3000	4.49	4.29	3.90
512-GMA2475C	C	Green	Common anode RHDP	565	2.1	2.8	3000	4.49	4.29	3.90
512-GMC2475C	C	Green	Common cathode RHDP	565	2.1	2.8	3000	4.49	4.29	3.90

2.3" 5 X 8 DOT MATRIX DISPLAYS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp (nm)	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	10	100
512-GMA2985C	D	Hi-Eff. Red	Common anode RHDP	635	2.1	2.8	3000	5.92	5.67	5.14
512-GMC2985C	D	Hi-Eff. Red	Common cathode RHDP	635	2.1	2.8	3000	8.08	7.72	7.02
512-GMA2485C	D	Green	Common anode RHDP	565	2.1	2.8	3000	5.39	5.15	4.69
512-GMC2485C	D	Green	Common cathode RHDP	565	2.1	2.8	3000	5.02	4.80	4.37

DIMENSIONS (IN.)



LIGHT BARS

Rectangular Light Bars

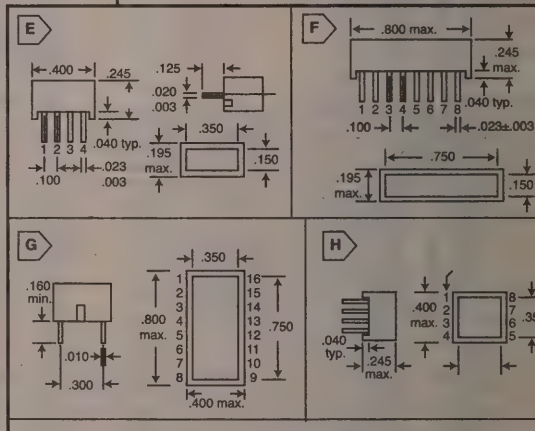
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Lens	Package	Typ. Lum. Intensity IF=20mA (mcd)	Price Each 1	100	500
512-HLMP-2300	E	Hi-Eff. Red	Diffused	4 pin in-line	23	.70	.58	.47
512-HLMP-2500	E	Green	GreenDiff.	4 pin in-line	25	.72	.60	.48
512-HLMP-2350	F	Hi-Eff. Red	Diffused	8 pin in-line	45	.88	.74	.58
512-HLMP-2550	F	Green	GreenDiff.	8 pin in-line	50	.94	.78	.63
512-HLMP-2685	G	Hi-Eff. Red	Diffused	16 pin DIP	80	1.14	.96	.77
512-HLMP-2885	G	Green	GreenDiff.	16 pin DIP	100	1.16	.97	.77

Square Light Bars

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Lens	Package	Typ. Lum. Intensity IF=20mA (mcd)	Price Each 1	100	500
512-HLMP-2655	H	Hi-Eff. Red	Diffused	8 pin in-line	43	.93	.77	.63
512-HLMP-2855	H	Green	GreenDiff.	8 pin in-line	50	.95	.79	.64



RECTANGULAR PANEL INDICATORS

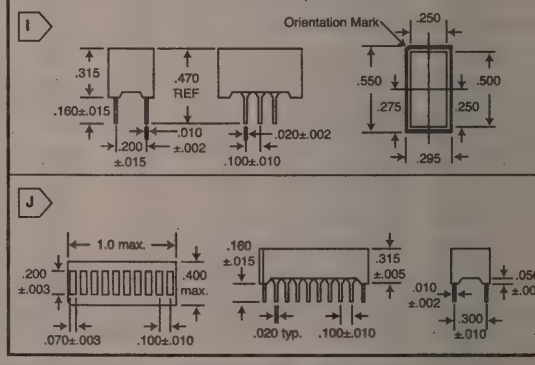
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Lens	Package	Typ. Lum. Intensity IF=10mA (mcd)	Price Each 1	100	500
512-MV57173	I	HI-Eff. Red	Diffused	0.5" rect.	4500	.93	.80	.67
512-MV54173	I	Green	GreenDiff.	0.5" rect.	4500	.84	.72	.60

10 ELEMENT BAR GRAPHS

For quantities of 1000 and up, call for quote.

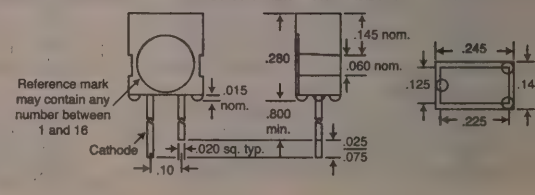
MOUSER STOCK NO.	Fig.	Source Color	Element Color Order R=Red ,Y=Yellow, G=Green	Forward Voltage (V) Typ.	Forward Voltage (V) Max.	Typ. Lum. Intensity IF=10mA (μcd) Typ.	Typ. Lum. Intensity IF=10mA (μcd) Max.	Price Each 1	100	500
512-MV57164	J	Red	R, R, R, R, R, R, R, R, R, R	2	2.6	510	1800	1.32	1.13	.94
512-MV54164	J	Green	G, G, G, G, G, G, G, G, G, G	2.2	3	510	1800	1.32	1.13	.94
512-MV53164	J	Yellow	Y, Y, Y, Y, Y, Y, Y, Y, Y, Y	2.1	2.6	510	1800	1.32	1.13	.94
512-MV59164	J	Red/Grn	R, G, R, G, R, G, R, G, R, G	2.1	2.8	- - -	3000	5.02	4.31	3.59
512-MV5A164	J	Multicolor	R, R, R, Y, Y, Y, Y, G, G, G	2	3	510	1800	1.30	1.12	.93
512-MV5B164	J	Multicolor	R, R, Y, Y, G, G, Y, Y, R, R	2.2	3	510	1800	1.30	1.12	.93
512-MV5C164	J	Multicolor	G, G, G, G, G, G, Y, Y, Y, R	2.2	3	510	1800	1.37	1.17	.97
512-MV5D164	J	Multicolor	G, G, G, G, G, R, R, R, R, Y	2.2	3	510	1800	1.37	1.17	.97
512-MV5E164	J	Multicolor	G, Y, Y, Y, Y, Y, Y, R, R, R	2.2	3	510	1800	1.26	1.07	.90



LED RECTANGULAR LAMPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Source Color	Lens Color	Wavelength λp (nm)	Typ. Lum. Intensity IF=20mA (mcd)	Price Each 1	100	500
512-MV57124A	Hi-Eff. Red	Red Diff.	635	6	.28	.24	.20
512-MV54124A	Green	Green Diff.	565	6	.28	.24	.20
512-MV53124A	Yellow	Yellow Diff.	585	6	.30	.26	.22
512-MV49124A	Red/green	White Diff.	647/565	6	.31	.27	.22



MOUSER ELECTRONICS a tti company

(800) 346-6873

.30" SINGLE DIGIT DISPLAYS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=10mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MAN71A	A	Red	Common anode RHDP	660	1.7	2.0	350	.99	.88	.79
512-MAN72A	B	Red	Common anode LHDP	660	1.7	2.0	350	.99	.88	.79
512-MAN74A	A	Red	Common cathode RHDP	660	1.7	2.5	350	.99	.88	.79
512-MAN3910A	A	Hi-Eff. Red	Common anode RHDP	635	2.0	2.5	1900	.86	.75	.68
512-MAN3920A	B	Hi-Eff. Red	Common anode LHDP	635	2.0	2.5	1900	.86	.75	.68
512-MAN3940A	A	Hi-Eff. Red	Common cathode RHDP	635	2.0	2.5	1900	.86	.75	.68
512-MAN3410A	A	Green	Common anode RHDP	562	2.2	3.0	3200	.91	.79	.73
512-MAN3420A	B	Green	Common anode LHDP	562	2.2	3.0	3200	.89	.77	.71
512-MAN3440A	A	Green	Common cathode RHDP	562	2.2	3.0	3200	.89	.77	.71
512-MAN3610A	A	Orange	Common anode RHDP	630	2.0	2.5	1800	.86	.75	.68
512-MAN3620A	B	Orange	Common anode LHDP	630	2.0	2.5	1800	.86	.75	.68
512-MAN3640A	A	Orange	Common cathode RHDP	630	2.0	2.5	1800	.86	.75	.68
512-MAN3810A	A	Yellow	Common anode RHDP	585	2.0	3.0	1700	.84	.73	.67
512-MAN3820A	B	Yellow	Common anode LHDP	585	2.0	3.0	1700	.84	.73	.67
512-MAN3840A	A	Yellow	Common cathode RHDP	585	2.0	3.0	1700	.84	.73	.67

.40" SINGLE DIGIT DISPLAYS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=10mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MAN4710A	C	Red	Common anode	660	1.6	2.0	350	.99	.87	.80
512-MAN4740A	C	Red	Common cathode	660	1.6	2.0	350	.99	.87	.80
512-MAN4910A	C	Hi-Eff. Red	Common anode	635	2.2	2.5	1900	.90	.78	.71
512-MAN4940A	C	Hi-Eff. Red	Common cathode	635	2.2	2.5	1900	.89	.79	.71
512-MAN4410A	C	Green	Common anode	562	2.2	3.0	3200	.91	.80	.73
512-MAN4440A	C	Green	Common cathode	562	2.2	3.0	3200	.91	.79	.73
512-MAN4610A	C	Orange	Common anode	630	2.2	2.5	1800	.90	.78	.71
512-MAN4640A	C	Orange	Common cathode	630	2.2	2.5	1800	.90	.78	.71

.40" DUAL DIGIT STICK DISPLAYS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MSD4910C	D	Hi-Eff. Red	Common anode	635	2.0	2.8	2200	1.68	1.48	1.35
512-MSD4940C	D	Hi-Eff. Red	Common cathode	635	2.0	2.8	2200	1.68	1.48	1.35
512-MSD4410C	D	Green	Common anode	570	2.1	2.8	2200	1.68	1.48	1.35
512-MSD4440C	D	Green	Common cathode	570	2.1	2.8	2200	1.68	1.48	1.35

.40" THREE DIGIT STICK DISPLAYS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MST4910C	E	Hi-Eff. Red	Common anode	635	2.0	2.8	2200	2.81	2.47	2.24
512-MST4940C	E	Hi-Eff. Red	Common cathode	635	2.0	2.8	2200	2.81	2.47	2.24
512-MST4410C	E	Green	Common anode	570	2.1	2.8	2200	2.81	2.47	2.24
512-MST4440C	E	Green	Common cathode	570	2.1	2.8	2200	2.81	2.47	2.24
512-MST4911C	F	Hi-Eff. Red	Common anode RHDP	635	2.0	2.8	2200	2.81	2.47	2.24
512-MST4941C	F	Hi-Eff. Red	Common cathode RHDP	635	2.0	2.8	2200	2.81	2.47	2.24
512-MST4411C	F	Green	Common anode RHDP	570	2.1	2.8	2200	2.81	2.47	2.24
512-MST4441C	F	Green	Common cathode RHDP	570	2.1	2.8	2200	2.81	2.47	2.24

.40" FOUR DIGIT STICK CLOCK DISPLAYS (MULTIPLEX)

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MSQC4911C	G	Hi-Eff. Red	Common anode RHDP	635	2.0	2.8	2200	2.86	2.52	2.29
512-MSQC4411C	G	Green	Common anode RHDP	570	2.1	2.8	2200	2.86	2.52	2.29

.43" SINGLE DIGIT DISPLAYS

*Luminous Intensity IF = 5mA

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=10mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-7750	H	Red	Common anode LHDP	650	1.6	2.0	980	2.13	1.78	1.42
512-7751	H	Red	Common anode RHDP	650	1.6	2.0	980	1.84	1.53	1.23
512-7650	H	Hi-Eff. Red	Common anode LHDP	630	2.0	2.5	*840	1.66	1.38	1.10
512-7651	H	Hi-Eff. Red	Common anode RHDP	630	2.0	2.5	*840	1.66	1.38	1.10

.51" SINGLE DIGIT DISPLAYS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=10mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MAN5750	I	Red	Common anode RHDP	655	2.1	2.8	500	.97	.85	.78
512-MAN5760	I	Red	Common cathode RHDP	655	2.1	2.8	500	.97	.85	.78
512-MAN5450	I	Green	Common anode RHDP	562	2.1	2.8	3000	.87	.77	.70
512-MAN5460	I	Green	Common cathode RHDP	562	2.1	2.8	3000	.87	.77	.70
512-MAN5350	I	Yellow	Common anode RHDP	585	2.1	2.8	1200	.74	.65	.59
512-MAN5360	I	Yellow	Common cathode RHDP	585	2.1	2.8	1200	.74	.65	.59
512-MAN5950	I	Orange/Red	Common anode RHDP	635	2.0	3.0	2500	.82	.72	.65
512-MAN5960	I	Orange/Red	Common cathode RHDP	635	2.0	3.0	2500	.82	.72	.65

.52" THREE DIGIT STICK DISPLAYS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MST5950C	J	Hi-Eff. Red	Common anode RHDP	635	2.0	2.8	2200	2.81	2.47	2.24
512-MST5960C	J	Hi-Eff. Red	Common cathode RHDP	635	2.0	2.8	2200	2.81	2.47	2.24
512-MST5450C	J	Green	Common anode RHDP	570	2.1	2.8	2200	2.81	2.47	2.24
512-MST5460C	J	Green	Common cathode RHDP	570	2.1	2.8	2200	2.81	2.47	2.24

.56" SINGLE DIGIT DISPLAYS

For quantities of 500 and up, call for quote.

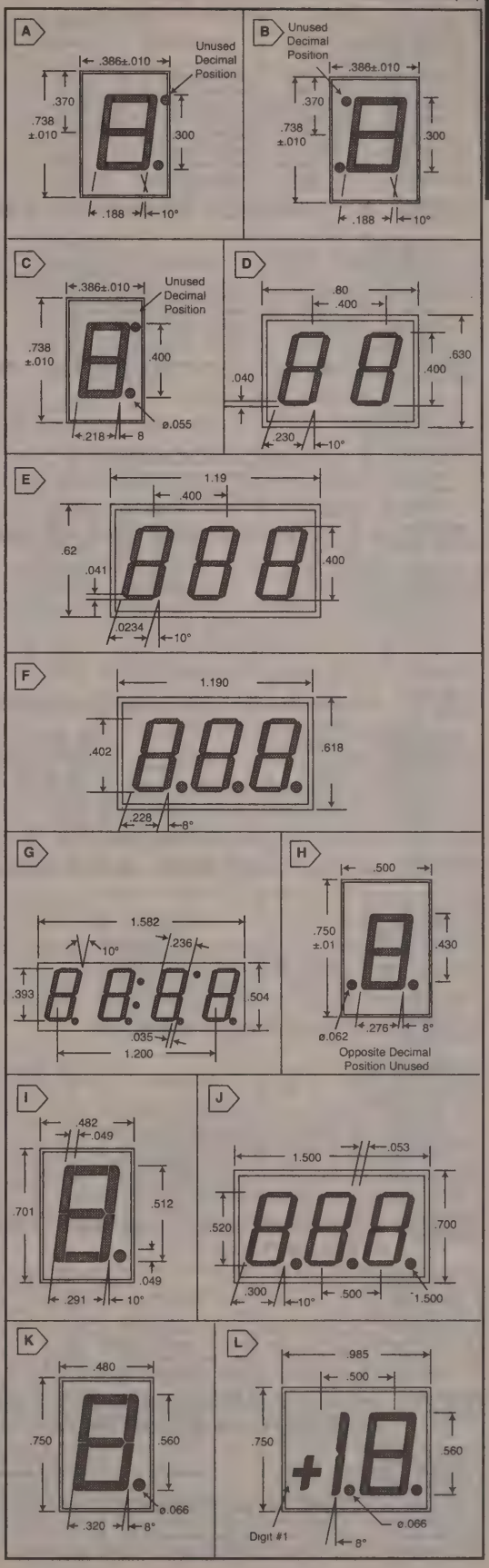
MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MAN6760	K	Red	Common anode	650	1.7	2.0	420	1.23	1.09	1.00
512-MAN6780	K	Red	Common cathode	650	1.7	2.0	420	1.23	1.09	1.00
512-MAN6960	K	Hi-Eff. Red	Common anode	635	2.0	2.5	2200	.88	.77	.70
512-MAN6980	K	Hi-Eff. Red	Common cathode	635	2.0	2.5	2200	.88	.77	.70
512-MAN6460	K	Green	Common anode	562	2.2	3.0	3300	.94	.83	.75
512-MAN6480	K	Green	Common cathode	562	2.2	3.0	3300	.94	.83	.75
512-MAN6660	K	Orange	Common anode	630	2.0	2.5	2200	.88	.77	.70
512-MAN6680	K	Orange	Common cathode	630	2.0	2.5	2200	.88	.77	.70

.56" 1 1/2 DIGIT DISPLAYS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MAN6930	L	Hi-Eff. Red	Common anode	635	2.0	2.5	2200	1.91	1.69	1.53
512-MAN6950	L	Hi-Eff. Red	Common cathode	635	2.0	2.5	2200	1.79	1.58	1.43
512-MAN6630	L	Orange	Common anode	630	2.0	2.5	2200	1.91	1.69	1.53

DIMENSIONS (IN.)



FAIRCHILD LED Displays

.56" DUAL DIGIT DISPLAYS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=10mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MAN6710	A	Red	Common anode	650	1.7	2.0	420	2.27	1.99	1.81
512-MAN6740	A	Red	Common cathode	650	1.7	2.0	420	1.69	1.49	1.35
512-MAN6910	A	Hi-Eff. Red	Common anode	635	2.0	2.5	2200	1.48	1.30	1.18
512-MAN6940	A	Hi-Eff. Red	Common cathode	635	2.0	2.5	2200	1.48	1.30	1.18
512-MAN6410	A	Green	Common anode	562	2.2	3.0	3300	2.10	1.85	1.68
512-MAN6440	A	Green	Common cathode	562	2.2	3.0	3300	1.85	1.63	1.48
512-MAN6610	A	Orange	Common anode	630	2.0	2.5	2200	1.35	1.20	1.08
512-MAN6640	A	Orange	Common cathode	630	2.0	2.5	2200	1.32	1.16	1.06

.56" THREE DIGIT STICK DISPLAYS (DIRECT DRIVE)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MST6910C	B	Hi-Eff. Red	Common anode RHDP	635	2.0	2.8	2200	2.74	2.40	2.18
512-MST6940C	B	Hi-Eff. Red	Common cathode RHDP	635	2.0	2.8	2200	2.74	2.40	2.18
512-MST6410C	B	Green	Common anode RHDP	570	2.1	2.8	2200	2.81	2.47	2.24
512-MST6440C	B	Green	Common cathode RHDP	570	2.1	2.8	2200	2.81	2.47	2.24

.56" THREE DIGIT STICK DISPLAYS (MULTIPLEX)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MST6911C	C	Hi-Eff. Red	Common anode RHDP	635	2.0	2.8	2200	2.74	2.40	2.18
512-MST6941C	C	Hi-Eff. Red	Common cathode RHDP	635	2.0	2.8	2200	2.74	2.40	2.18
512-MST6411C	C	Green	Common anode RHDP	570	2.1	2.8	2200	2.81	2.47	2.24
512-MST6441C	C	Green	Common cathode RHDP	570	2.1	2.8	2200	2.81	2.47	2.24

.56" FOUR DIGIT STICK DISPLAYS (DIRECT DRIVE)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MSQ6910C	D	Hi-Eff. Red	Common anode RHDP	635	2.0	2.8	2200	3.30	2.90	2.64
512-MSQ6940C	D	Hi-Eff. Red	Common cathode RHDP	635	2.0	2.8	2200	3.30	2.90	2.64
512-MSQ6410C	D	Green	Common anode RHDP	570	2.1	2.8	2200	3.30	2.90	2.64
512-MSQ6440C	D	Green	Common cathode RHDP	570	2.1	2.8	2200	3.30	2.90	2.64

.56" FOUR DIGIT STICK DISPLAYS (MULTIPLEX)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MSQ6911C	E	Hi-Eff. Red	Common anode RHDP	635	2.0	2.8	2200	3.30	2.90	2.64
512-MSQ6941C	E	Hi-Eff. Red	Common cathode RHDP	635	2.0	2.8	2200	3.30	2.90	2.64
512-MSQ6411C	E	Green	Common anode RHDP	570	2.1	2.8	2200	3.30	2.90	2.64
512-MSQ6441C	E	Green	Common cathode RHDP	570	2.1	2.8	2200	3.30	2.90	2.64

.56" FOUR DIGIT STICK CLOCK DISPLAYS (DIRECT DRIVE)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MSQC6910C	F	Hi-Eff. Red	Common anode RHDP	635	2.0	2.8	2200	3.18	2.79	2.54
512-MSQC6940C	F	Hi-Eff. Red	Common cathode RHDP	635	2.0	2.8	2200	3.18	2.79	2.54
512-MSQC6410C	F	Green	Common anode RHDP	570	2.1	2.8	2200	3.18	2.79	2.54
512-MSQC6440C	F	Green	Common cathode RHDP	570	2.1	2.8	2200	3.18	2.79	2.54

.80" SINGLE DIGIT DISPLAYS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=10mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MAN8910	G	Hi-Eff. Red	Common anode RHDP	635	2.0	2.5	2200	1.09	.95	.87
512-MAN8940	G	Hi-Eff. Red	Common cathode RHDP	635	2.0	2.5	2200	1.57	1.38	1.25
512-MAN8410	G	Green	Common anode RHDP	562	2.2	3.0	3200	1.10	.96	.88
512-MAN8440	G	Green	Common cathode RHDP	562	2.2	3.0	3200	1.58	1.39	1.26
512-MAN8610	G	Orange	Common anode RHDP	630	2.0	2.5	2200	1.05	.93	.84
512-MAN8640	G	Orange	Common cathode RHDP	630	2.0	2.5	2200	1.53	1.34	1.22

.5" ALPHANUMERIC 16 SEGMENT SINGLE DIGIT STICK DISPLAYS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MSA5960C	H	Hi-Eff. Red	Common anode RHDP	635	2.0	2.8	2000	2.96	2.61	2.37
512-MSA5980C	H	Hi-Eff. Red	Common cathode RHDP	635	2.0	2.8	2000	2.96	2.61	2.37
512-MSA5460C	H	Green	Common anode RHDP	570	2.1	2.8	2000	2.38	2.10	1.90
512-MSA5480C	H	Green	Common cathode RHDP	570	2.1	2.8	2000	2.38	2.10	1.90

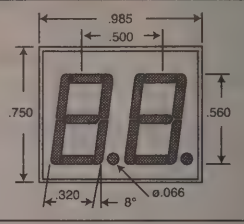
.54" ALPHANUMERIC 14 SEGMENT DUAL DIGIT STICK DISPLAYS (DIRECT DRIVE)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Source Color	Description	Peak Wvlngth λp	Fwd. Voltage Typ.	Fwd. Voltage Max.	Luminous Intensity IF=20mA (μcd)	Price Each 1	Price Each 10	Price Each 100
512-MDA6910C	I	Hi-Eff. Red	Common anode RHDP	635	2.0	2.8	4000	6.22	5.18	3.70
512-MDA6940C	I	Hi-Eff. Red	Common cathode RHDP	635	2.0	2.8	4000	6.22	5.18	3.70
512-MDA6410C	I	Green	Common anode RHDP	570	2.1	2.8	5000	5.64	4.70	3.36
512-MDA6440C	I	Green	Common cathode RHDP	570	2.1	2.8	5000	5.64	4.70	3.36

DIMENSIONS (IN.)

A



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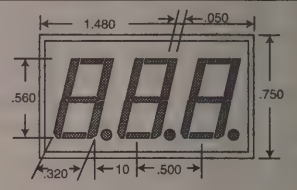

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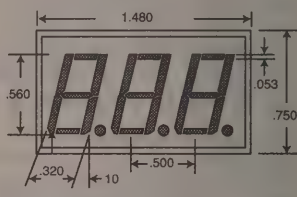

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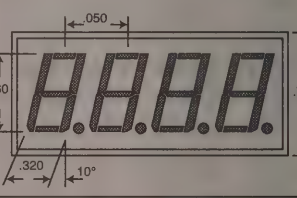

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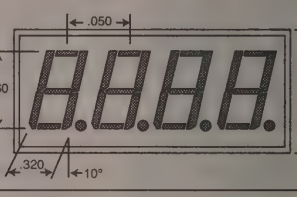

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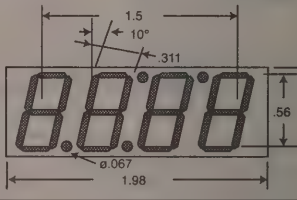

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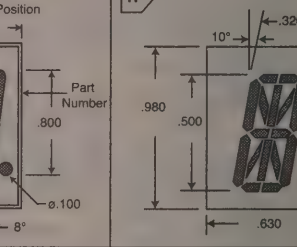

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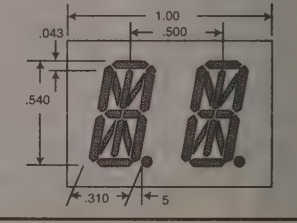


Kingbright NUMERIC DISPLAYS

• Forward current: 10mA **For quantities of 2000 and up, call for quote**

MOUSER STOCK NO.		Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
Mfr.	Mfr. Part No.					Min.	Typ.	1	100	500	1000
7mm											
604—	SA03-11YWA	A	Anode	Yellow	588	1200	3000	.99	.89	.79	.69
604—	SC03-12YWA	A	Cathode	Yellow	588	1200	3000	.99	.89	.79	.69
604—	SA03-11EWA	A	Anode	Red	625	1900	6400	.99	.89	.79	.69
604—	SC03-12EWA	A	Cathode	Red	625	1900	6400	.99	.89	.79	.69
10.16mm											
604—	SA04-11YWA	B	Anode	Yellow	588	1900	4700	1.05	.99	.85	.70
604—	SA04-12EWA	B	Anode	Red	625	3000	8000	1.05	.99	.85	.70
604—	SA04-12GWA	B	Anode	Green	568	3600	12000	1.05	.99	.85	.70
604—	SA04-12SRWA	B	Anode	Red	640	8000	18000	1.17	1.07	.95	.78
604—	SA04-12YWA	B	Anode	Yellow	588	1900	4700	1.05	.99	.85	.70
604—	SA04-11EWA	B	Anode	Red	625	3000	8000	1.05	.99	.85	.76
14.2mm											
604—	SA56-11YWA	C	Anode	Yellow	588	1900	4700	1.05	.99	.85	.70
604—	SA56-21YWA	C	Anode	Yellow	588	1900	4700	1.05	.99	.85	.70
604—	SA56-11SRWA	C	Anode	Red	640	8000	24000	1.05	.99	.85	1.26
604—	SC56-11EWA	C	Cathode	Red	625	1900	6400	1.05	.99	.85	.71
604—	SC56-21GWA	C	Cathode	green	568	3000	10500	1.05	.99	.85	.76
7.62mm											
604—	DA03-11YWA	D	Anode	Yellow	588	480	1200	1.64	1.50	1.31	1.10
604—	DA03-11EWA	D	Anode	Red	625	800	1900	1.64	1.50	1.31	1.09
604—	DA03-11SRWA	D	Anode	Red	640	3000	8000	1.64	1.50	1.31	1.61
10mm											
604—	DA04-11YWA	E	Anode	Yellow	588	1200	3000	1.56	1.43	1.24	1.04
604—	DC04-11EWA	E	Cathode	Red	625	1900	4700	1.56	1.43	1.24	1.04
604—	DA04-11EWA	E	Anode	Red	625	1900	4700	1.56	1.43	1.24	1.04
14.22mm											
604—	DC56-11YWA	F	Cathode	Yellow	588	1900	4700	1.76	1.61	1.40	1.17
604—	DC56-11EWA	F	Cathode	Red	625	1900	8000	1.76	1.61	1.40	.98
604—	BA56-11YWA	G	Anode	Yellow	588	1900	4700	2.73	2.50	2.18	1.82
604—	BA56-12YWA	G	Anode	Yellow	588	1900	4700	2.73	2.50	2.18	1.82
604—	BA56-13YWA	G	Anode	Yellow	588	1900	4700	2.73	2.50	2.18	1.82
604—	BA56-12SRWA	G	Anode	Red	640	8000	24000	2.73	2.50	2.18	3.02
604—	BC56-11EWA	G	Cathode	Red	625	1900	6400	2.73	2.50	2.18	1.86
604—	BC5612GWA	G	Cathode	green	568	3000	10500	2.73	2.50	2.18	2.10

Kingbright ALPHANUMERIC LED DISPLAYS

• Forward current: 10mA **For quantities of 2000 and up, call for quote**

MOUSER STOCK NO.		Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
Mfr.	Mfr. Part No.					Min.	Typ.	1	100	500	1000
13.8mm											
604—	PDA54-11YWA	H	Anode	Yellow	588	1200	3000	3.32	3.04	2.70	2.21
604—	PDA54-11SRWA	H	Anode	Red	660	8000	18000	3.71	3.40	2.96	2.47
604—	PDA54-12EWA	H	Anode	Red	625	1900	4700	3.32	3.04	2.70	2.21
604—	PDA54-12GWA	H	Anode	Green	568	3000	8000	3.32	3.04	2.70	2.21
604—	PDA54-12SRWA	H	Anode	Red	6400	8000	18000	3.71	3.40	3.00	2.47
604—	PDA54-12YWA	H	Anode	Yellow	588	1200	3000	3.32	3.04	2.70	2.21

Kingbright DOT MATRIX LED DISPLAY

• Forward current: 10mA **For quantities of 2000 and up, call for quote**

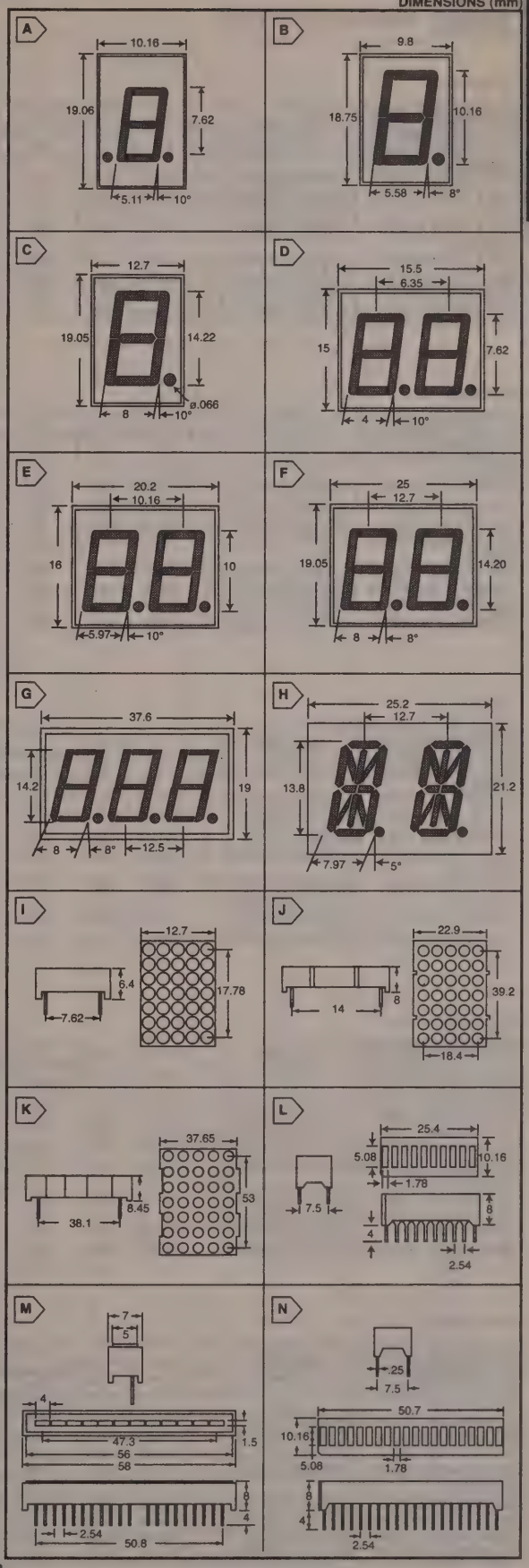
MOUSER STOCK NO.		Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
Mfr.	Mfr. Part No.					Min.	Typ.	1	100	500	1000
18mm											
604—	TA07-11YWA	I	Anode	Yellow	588	1900	4700	3.51	3.22	2.81	2.34
30mm											
604—	TA12-11EWA	J	Anode	Red	625	3000	8000	4.10	3.75	3.28	2.73
604—	TA12-11GWA	J	Anode	Green	568	3000	10500	4.10	3.75	3.28	2.73
604—	TA12-11SRWA	J	Anode	Red	640	8000	24000	4.49	4.11	3.59	2.99
604—	TA12-11YWA	J	Anode	Yellow	588	1900	4700	4.10	3.75	3.28	2.73
50mm											
604—	TA20-11YWA	K	Anode	Yellow	588	3000	8000	6.24	5.72	4.99	4.16
604—	TA20-11SRWA	K	Anode	Red	640	12000	26000	6.24	5.72	4.99	4.54

Kingbright BAR GRAPH ARRAY

• Forward current: 10mA **For quantities of 2000 and up, call for quote**

MOUSER STOCK NO.		Fig.	No of Segments	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
Mfr.	Mfr. Part No.					Min.	Typ.	1	100	500	1000
604—	DC10EWA	L	10	Red	625	2200	9000	1.56	1.43	1.25	1.16
604—	DC10GWA	L	10	Green	568	3600	14000	1.56	1.43	1.25	1.29
604—	DC10YWA	L	10	Yellow	588	2200	9000	1.56	1.43	1.25	1.04
604—	DC10SRWA	L	10	Red	640	9000	31000	1.83	1.68	1.47	1.22
604—	DD12HWB	M	12	Red	660	900	1400	2.34	2.15	1.87	1.56
604—	DD12GWB	M	12	Green	568	2200	5600	2.34	2.15	1.87	1.56
604—	DD12YWB	M	12	Yellow	588	1400	3600	2.34	2.15	1.87	1.56
604—	DC20/20EWA	N	20	Red	625	2200	9000	3.71	3.40	2.99	3.02
604—	DC20/20GWA	N	20	Green	568	3600	9000	3.71	3.40	2.99	2.47
604—	DC20/20YWA	N	20	Yellow	588	3600	9000	3.71	3.40	2.99	2.47
604—	DC20/20SRWA	N	20	Red	640	9000	31000	4.29	3.93	3.45	2.86

DIMENSIONS (mm)



KINGBRIGHT Surface Mount LED Displays

Kingbright NUMERIC DISPLAYS

.2" Numeric

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd) Min.	Luminous Intensity (ucd) Typ.	Price Each 1	100	500	1000
Single Digit											
604-APSA02-41EWA	APSA02-41EWA	A	Anode	Red	625	1900	5800	1.07	.86	.75	.62
604-APSA02-41SGWA	APSA02-41SGWA	A	Anode	Green	568	3000	10000	1.07	.86	.75	.62
604-APSA02-41YWA	APSA02-41YWA	A	Anode	Yellow	588	800	1900	1.07	.86	.75	.62
604-APSA02-41MBWA	APSA02-41MBWA	A	Anode	Blue	466	1200	3700	4.68	3.98	3.51	3.04
Dual Digit											
604-APDA02-41EWA	APDA02-41EWA	B	Anode	Red	625	1900	5800	2.44	1.95	1.71	1.41
604-APDA02-41SGWA	APDA02-41SGWA	B	Anode	Green	568	3000	10000	2.44	1.95	1.71	1.41
604-APDA02-41YWA	APDA02-41YWA	B	Anode	Yellow	588	800	1900	2.44	1.95	1.71	1.41
604-APDA02-41MBWA	APDA02-41MBWA	B	Anode	Blue	466	1200	3700	10.40	8.84	7.80	6.76

.3" Numeric

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd) Min.	Luminous Intensity (ucd) Typ.	Price Each 1	100	500	1000
Single Digit											
604-APSA03-41EWA	APSA03-41EWA	C	Anode	Red	625	1900	4210	1.20	.96	.84	.70
604-APSA03-41SGWA	APSA03-41SGWA	C	Anode	Green	568	1900	5600	1.20	.96	.84	.70
604-APSA03-41YWA	APSA03-41YWA	C	Anode	Yellow	588	800	2290	1.20	.96	.84	.70
604-APSA03-41MBWA	APSA03-41MBWA	C	Anode	Blue	466	1900	5000	5.25	4.48	4.00	3.45
Dual Digit											
604-APDA03-41EWA	APDA03-41EWA	D	Anode	Red	625	1900	4210	2.44	1.95	1.71	1.41
604-APDA03-41SGWA	APDA03-41SGWA	D	Anode	Green	568	1900	5600	2.44	1.95	1.71	1.41
604-APDA03-41YWA	APDA03-41YWA	D	Anode	Yellow	588	800	2290	2.44	1.95	1.71	1.41
604-APDA03-41MBWA	APDA03-41MBWA	D	Anode	Blue	466	1900	5000	10.40	8.84	7.80	6.76

.4" Numeric

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd) Min.	Luminous Intensity (ucd) Typ.	Price Each 1	100	500	1000
Single Digit											
604-APSA04-41EWA	APSA04-41EWA	E	Anode	Red	625	1900	5000	1.20	.96	.84	.70
604-APSA04-41SGWA	APSA04-41SGWA	E	Anode	Green	568	3000	7000	1.20	.96	.84	.70
604-APSA04-41YWA	APSA04-41YWA	E	Anode	Yellow	588	800	2500	1.20	.96	.84	.70
604-APSA04-41MBWA	APSA04-41MBWA	E	Anode	Blue	466	1200	3600	5.25	4.48	4.00	3.45
Dual Digit											
604-APDA04-41EWA	APDA04-41EWA	F	Anode	Red	625	1900	5000	2.44	1.95	1.71	1.41
604-APDA04-41SGWA	APDA04-41SGWA	F	Anode	Green	568	3000	7000	2.44	1.95	1.71	1.41
604-APDA04-41YWA	APDA04-41YWA	F	Anode	Yellow	588	800	2500	2.44	1.95	1.71	1.41
604-APDA04-41MBWA	APDA04-41MBWA	F	Anode	Blue	466	1200	3600	10.40	8.84	7.80	6.76

.4" Alphanumeric

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd) Min.	Luminous Intensity (ucd) Typ.	Price Each 1	100	500	1000
Single Digit											
604-APPSA04-41EWA	APPSA04-41EWA	G	Anode	Red	625	1200	3200	1.79	1.43	1.25	1.04
604-APPSA04-41SGWA	APPSA04-41SGWA	G	Anode	Green	568	3000	7500	1.72	1.38	1.21	1.00
604-APPSA04-41YWA	APPSA04-41YWA	G	Anode	Yellow	588	1200	3400	1.85	1.48	1.30	1.07
604-APPSA04-41MBWA	APPSA04-41MBWA	G	Anode	Blue	466	1200	3800	9.36	7.96	7.02	6.08
Dual Digit											
604-APPDA04-41EWA	APPDA04-41EWA	H	Anode	Red	625	1200	3200	3.74	2.99	2.62	2.17
604-APPDA04-41SGWA	APPDA04-41SGWA	H	Anode	Green	568	3000	7500	3.58	2.86	2.50	2.07
604-APPDA04-41YWA	APPDA04-41YWA	H	Anode	Yellow	588	1200	3400	3.74	2.99	2.62	2.17
604-APPDA04-41MBWA	APPDA04-41MBWA	H	Anode	Blue	466	1200	3800	18.20	15.47	13.65	11.83

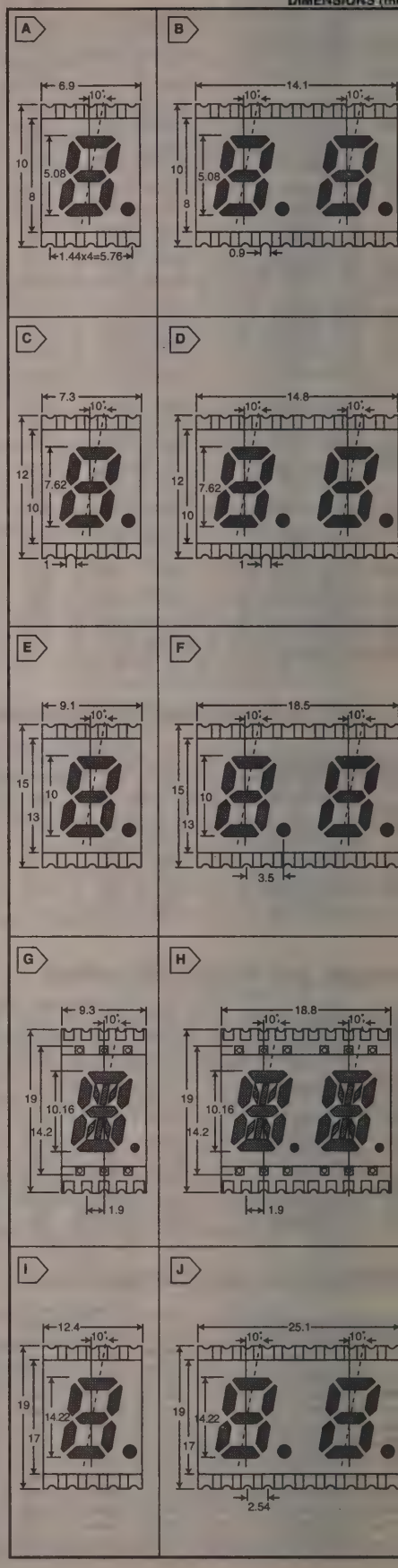
.56" Numeric

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd) Min.	Luminous Intensity (ucd) Typ.	Price Each 1	100	500	1000
Single Digit											
604-APSA56-41EWA	APSA56-41EWA	I	Anode	Red	625	3000	7400	1.20	.96	.84	.70
604-APSA56-41SGWA	APSA56-41SGWA	I	Anode	Green	568	4700	13200	1.20	.96	.84	.70
604-APSA56-41YWA	APSA56-41YWA	I	Anode	Yellow	588	1900	5000	1.20	.96	.84	.70
604-APSA56-41MBWA	APSA56-41MBWA	I	Anode	Blue	466	1900	5200	6.01	4.81	4.21	3.49
Dual Digit											
604-APDA56-41EWA	APDA56-41EWA	J	Anode	Red	625	3000	7400	2.67	2.13	1.87	1.55
604-APDA56-41SGWA	APDA56-41SGWA	J	Anode	Green	568	4700	13200	2.67	2.13	1.87	1.55
604-APDA56-41YWA	APDA56-41YWA	J	Anode	Yellow	588	1900	5000	2.67	2.13	1.87	1.55
604-APDA56-41MBWA	APDA56-41MBWA	J	Anode	Blue	466	1900	5200	13.33	10.66	9.33	7.73

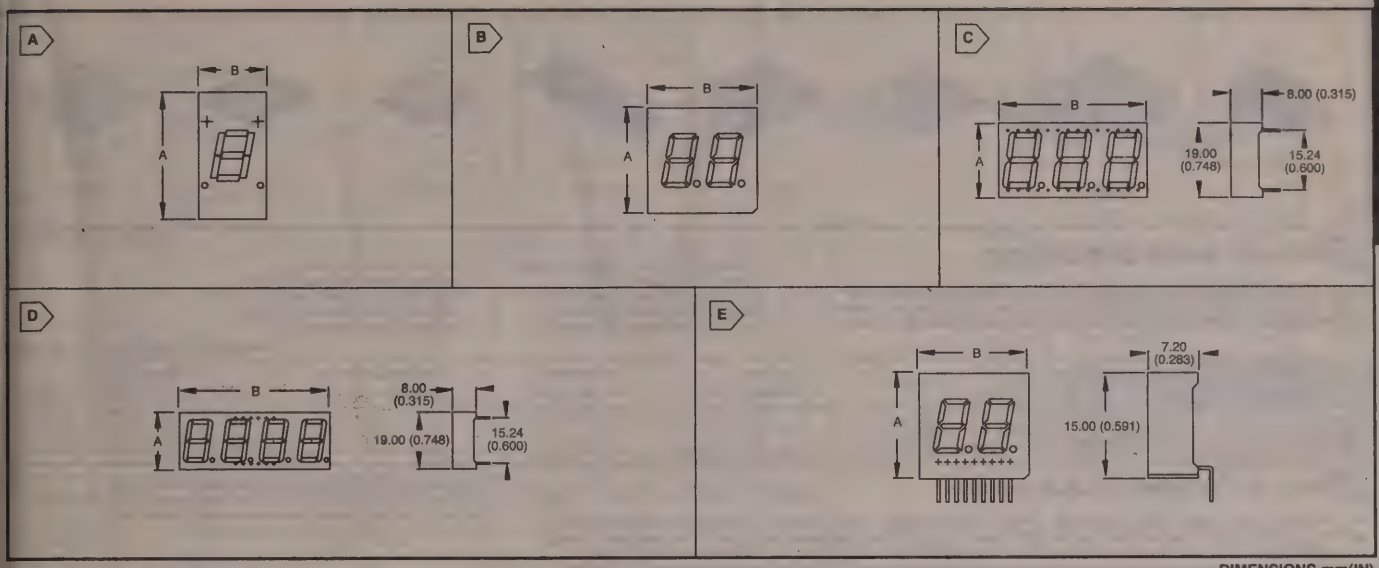
Kingbright

DIMENSIONS (m



MOUSER ELECTRONICS a tti company

LUMEX LED Displays



DIMENSIONS mm(IN)

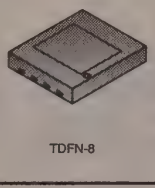
LUMEX LED NUMERIC DISPLAYS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color	Digit Size		Dimensions AxB		Vf	If	IO	Price Each			
				In.	mm	In.	mm	(V)	(mA) Max.	ucd	1	100	500	1000
RHD LHD Numeric														
696-LDS-C304RI	LDS-C304RI	A	Red/Orng	0.3	7.62	0.75 x 0.4	19.05 x 10.16	2	10	5600	1.49	1.26	1.15	.92
696-LDS-C302RI	LDS-C302RI	A	Green	0.3	7.62	0.75 x 0.4	19.05 x 10.16	2.2	10	3500	1.33	1.12	1.02	.82
696-LDS-C303RI	LDS-C303RI	A	Yellow	0.3	7.62	0.75 x 0.4	19.05 x 10.16	2.1	10	3500	1.49	1.26	1.15	.92
696-LDS-C306RI	LDS-C306RI	A	Super-Red	0.3	7.62	0.75 x 0.4	19.05 x 10.16	1.8	10	9800	1.95	1.65	1.50	1.20
696-LDS-C324RI	LDS-C324RI	A	Red/Orng	0.36	9.14	0.55 x 0.3	13.97 x 7.49	2	10	2250	1.69	1.43	1.30	1.04
696-LDS-C322RI	LDS-C322RI	A	Green	0.36	9.14	0.55 x 0.3	13.97 x 7.49	2.2	10	2250	1.59	1.34	1.22	.98
696-LDS-C504RI	LDS-C504RI	A	Red/Orng	0.5	12.7	0.75 x 0.5	19.00 x 12.70	2	10	3900	1.78	1.51	1.37	1.10
696-LDS-C502RI	LDS-C502RI	A	Green	0.5	12.7	0.75 x 0.5	19.00 x 12.70	2.2	10	3900	1.33	1.12	1.02	.82
Single Digit Numeric Displays														
696-LDS-C414RI	LDS-C414RI	A	Red/Orng	0.43	10.92	0.74 x 0.5	18.90 x 12.60	2	10	3900	1.62	1.37	1.25	1.00
696-LDS-C412RI	LDS-C412RI	A	Green	0.43	10.92	0.74 x 0.5	18.90 x 12.60	2.2	10	2500	1.33	1.12	1.02	.82
696-LDS-C413RI	LDS-C413RI	A	Yellow	0.43	10.92	0.74 x 0.5	18.90 x 12.60	2.1	10	2500	1.49	1.26	1.15	.92
696-LDS-C416RI	LDS-C416RI	A	Super-Red	0.43	10.92	0.74 x 0.5	18.90 x 12.60	1.8	10	12300	2.37	2.00	1.82	1.46
696-LDS-C514RI	LDS-C514RI	A	Red/Orng	0.56	14.22	0.75 x 0.48	19.05 x 12.19	2	10	3900	1.62	1.37	1.25	1.00
696-LDS-C512RI	LDS-C512RI	A	Green	0.56	14.22	0.75 x 0.48	19.05 x 12.19	2.2	10	3900	1.52	1.29	1.17	.94
696-LDS-C513RI	LDS-C513RI	A	Yellow	0.56	14.22	0.75 x 0.48	19.05 x 12.19	2.1	10	3900	1.33	1.12	1.02	.82
696-LDS-C516RI	LDS-C516RI	A	Super-Red	0.56	14.22	0.75 x 0.48	19.05 x 12.19	1.8	10	13300	2.73	2.31	2.10	1.68
696-LDS-C814RI	LDS-C814RI	A	Red/Orng	0.8	20.32	1.09 x 0.788	27.71 x 20.02	2	10	5600	2.11	1.78	1.62	1.30
696-LDS-C812RI	LDS-C812RI	A	Green	0.8	20.32	1.09 x 0.788	27.71 x 20.02	2.2	10	2500	2.60	2.20	2.00	1.60
696-LDS-C813RI	LDS-C813RI	A	Yellow	0.8	20.32	1.09 x 0.788	27.71 x 20.02	2.1	10	2500	2.11	1.78	1.62	1.30
696-LDS-C816RI	LDS-C816RI	A	Super-Red	0.8	20.32	1.09 x 0.788	27.71 x 20.02	1.8	10	15000	2.53	2.14	1.95	1.56
696-LDS-CA14RI	LDS-CA14RI	A	Red/Orng	1	25.4	1.34 x 0.95	34.04 x 24.00	4	10	9800	3.64	3.08	2.80	2.24
696-LDS-CA12RI	LDS-CA12RI	A	Green	1	25.4	1.34 x 0.95	34.04 x 24.00	4.4	10	6300	3.64	3.08	2.80	2.24
696-LDS-CD14RI	LDS-CD14RI	A	Red/Orng	2.25	57.15	2.76 x 1.89	70.10 x 48.01	8	10	9000	8.90	7.53	6.85	5.48
696-LDS-CD12RI	LDS-CD12RI	A	Green	2.25	57.15	2.76 x 1.89	70.10 x 48.01	8.4	10	6300	9.00	7.61	6.92	5.54
696-LDS-CD16RI	LDS-CD16RI	A	Super-Red	2.25	57.15	2.76 x 1.89	70.10 x 48.01	6.8	10	22500	12.70	10.75	9.77	7.82
Dual RHD														
696-LDD-F304NI	LDD-F304NI	B	Red/Orng	0.3	7.62	0.6 x 0.61	15.24 x 15.49	2	10	3900	2.43	2.06	1.87	1.50
696-LDD-F302NI	LDD-F302NI	B	Green	0.3	7.62	0.6 x 0.61	15.24 x 15.49	2.2	10	3900	2.53	2.14	1.95	1.56
Dual Numeric Displays														
696-LDD-C404NI	LDD-C404NI	B	Red/Orng	0.4	10.16	0.63 x 0.8	16.00 x 20.22	2	10	3900	2.63	2.22	2.02	1.62
696-LDD-C402NI	LDD-C402NI	B	Green	0.4	10.16	0.63 x 0.8	16.00 x 20.22	2.2	10	3900	2.37	2.00	1.82	1.46
696-LDD-C403NI	LDD-C403NI	B	Yellow	0.4	10.16	0.63 x 0.8	16.00 x 20.22	2.1	10	3900	2.43	2.06	1.87	1.50
696-LDD-C406NI	LDD-C406NI	B	Super-Red	0.4	10.16	0.63 x 0.8	16.00 x 20.22	1.8	10	6300	4.35	3.68	3.35	2.68
696-LDD-C514RI	LDD-C514RI	B	Red/Orng	0.56	14.22	0.75 x 0.98	19.05 x 24.89	2	10	3900	2.43	2.06	1.87	1.50
696-LDD-C512RI	LDD-C512RI	B	Green	0.56	14.22	0.75 x 0.98	19.05 x 24.89	2.2	10	3900	1.98	1.67	1.52	1.22
696-LDD-C513RI	LDD-C513RI	B	Yellow	0.56	14.22	0.75 x 0.98	19.05 x 24.89	2.1	10	3900	2.43	2.06	1.87	1.50
696-LDD-C516RI	LDD-C516RI	B	Super-Red	0.56	14.22	0.75 x 0.98	19.05 x 24.89	1.8	10	13300	3.77	3.19	2.90	2.32
696-LDD-C814RI	LDD-C814RI	B	Red/Orng	0.8	20.32	1.01 x 1.41	25.65 x 35.81	2	10	5600	3.44	2.91	2.65	2.12
696-LDD-C812RI	LDD-C812RI	B	Green	0.8	20.32	1.01 x 1.41	25.65 x 35.81	2.2	10	2500	3.44	2.91	2.65	2.12
696-LDD-C813RI	LDD-C813RI	B	Yellow	0.8	20.32	1.01 x 1.41	25.65 x 35.81	2.1	10	2500	3.44	2.91	2.65	2.12
Three Digit														
696-LDT-C512RI	LDT-C512RI	C	Green	0.56	14.22	0.75 x 1.48	19.05 x 37.59	2.2	10	3500	4.03	3.41	3.10	2.48
696-LDT-C514RI	LDT-C514RI	C	Red/Orng	0.56	14.22	0.75 x 1.48	19.05 x 37.59	2.1	10	5600	4.77	4.04	3.67	2.94
Quad Numeric Displays														
696-LDQ-N514RI	LDQ-N514RI	D	Red/Orng	0.56	14.22	0.75 x 1.98	19.00 x 50.29	2.1	10	3900	7.60	6.43	5.85	4.68
696-LDQ-N512RI	LDQ-N512RI	D	Green	0.56	14.22	0.75 x 1.98	19.00 x 50.29	2.2	10	3900	6.98	5.91	5.37	4.30
696-LDQ-N513RI	LDQ-N513RI	D	Yellow	0.56	14.22	0.75 x 1.98	19.00 x 50.29	2.1	10	3900	7.44	6.29	5.72	4.58
696-LDQ-N516RI	LDQ-N516RI	D	Super-Red	0.56	14.22	0.75 x 1.98	19.00 x 50.29	1.8	10	12000	8.74	7.39	6.72	5.38
Single Right Angle Numeric														
696-LDS-N514RI-RA	LDS-N514RI-RA	A	Red	0.56	14.22	0.75 x 0.49	19.05 x 12.50	2.1	10	3400	2.21	1.87	1.70	1.36
696-LDS-N512RI-RA	LDS-N512RI-RA	A	Green	0.56	14.22	0.75 x 0.49	19.05 x 12.50	2.1	10	2250	2.08	1.76	1.60	1.28
Dual Right Angle Numeric														
696-LDD-F304NI-RA	LDD-F304NI-RA	E	Red	0.3	7.62	0.59 x 0.61	15.00 x 15.50	2	10	3900	3.57	3.02	2.75	2.20
696-LDD-F302NI-RA	LDD-F302NI-RA	E	Green	0.3	7.62	0.59 x 0.61	15.00 x 15.50	2	10	3900	3.57	3.02	2.75	2.20
696-LDD-N514RI-RA	LDD-N514RI-RA	E	Red	0.56	14.2	0.75 x 0.98	19.00 x 25.00	2	10	3900	3.77	3.19	2.90	2.32
696-LDD-N512RI-RA	LDD-N512RI-RA	E	Green	0.56	14.2	0.75 x 0.98	19.00 x 25.00	2.2	10	3900	3.77	3.19	2.90	2.32

Opto Drivers

SOT-23


TDFN-8

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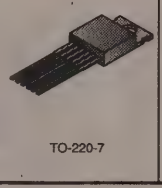
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PQFP-44

PLCC-44

PQFP-80

CATALYST SEMICONDUCTOR, INC. WHITE LED DRIVERS

The CAT3200 series LED Drivers are switched capacitor boost converters that deliver a low noise, regulated output voltage. The CAT3200 has an adjustable output using external resistors. The constant frequency 2MHz charge pump allows small 1µF ceramic capacitors to be used.

- Constant high frequency (2MHz) operation
- 100mA output current
- Regulated, adjustable output voltage
- Low quiescent current (1.7mA typ.)
- Input voltage operation down to 2.7V
- Soft start, slew rate control
- Thermal overload shutdown protection
- Low value external capacitors (1µF)
- Foldback current overload protection
- Shutdown current less than 1µA

For quantities of 500 and up, call for quote

MOUSER STOCK NO.	Catalyst Part No.	Package	Input Voltage V_{IN} (V)	Quiescent Current I_Q (mA)	Ground Current In Shutdown I_{GND} (uA)	Price Each 1	25	100	250
698-CAT32EKT-TE13	CAT32EKT-TE13	SOT-23	2-7	0.5	0.05	1.10	.88	.77	.52
698-CAT32RD4	CAT32RD4	TDFN-8	2-7	0.5	0.05	1.60	1.28	1.12	.91

CATALYST SEMICONDUCTOR, INC. DESIGN TOOLS

The CAT32EVAL1 gives the user a way to evaluate the CAT32 in a typical application of driving multiple LEDs. The board offers to the user the possibility to connect a different number of LEDs to the CAT32 output. The CAT32EVAL1 engineering evaluation PCB will speed an engineers' evaluation of the CAT32. Efficiency measurements, dimming circuit evaluation plus much more can be accomplished with the CAT32EVAL1 PCB. The board also demonstrates the CAT32 shutdown mode and LED brightness control by using an external PWM signal or DC voltage.

The evaluation board contains a CAT32 DC-DC boost converter and an array of white LEDs. As configured, the circuit is set to drive up to 2 banks of 4 series LED arrays. However, the user can chose a wide variety of other LED configurations using different jumper options.

For quantities of 5 and up, call for quote

MOUSER STOCK NO.	Catalyst Part No.	Description	Price Each
689-CAT32EVAL1-1	CAT32EVAL1-1	CAT32 Evaluation PCB with 8 LEDs soldered to the PCB Board	36.00
689-CAT32EVAL1-2	CAT32EVAL1-2	CAT32 Evaluation PCB with 4 LEDs soldered to the PCB Board	28.00

JRC NJR CORPORATION LCD CONTROLLER/DRIVER ICS-EXTENSION LCD DRIVERS

For quantities of 500 and up, call for quote

MOUSER STOCK NO.	NJR Part No.	Package	Description	Price Each 1	25	100
513—NJU6416FC1	NJU6416FC1	QFP-100	Dot Matrix, 80-Out Segment	3.15	3.08	2.71

Supertex EL BACKLIGHTING DRIVER INTEGRATED CIRCUITS AND DEMO BOARDS

Applications:

- Pagers - HV830, HV826, HV850
- Portable instrumentation - HV830, HV809, HV850
- Global Positioning Systems (GPS) units - HV830, HV857, HV833
- LCD backlighting - HV857, HV833
- Mobile cellular phones - HV857, HV826, HV830, HV850
- PDAs - HV830, HV857, HV833, HV809
- Wireless handheld - HV857
- Portable Transceivers - HV833, HV826, HV850
- Remote Control Units - HV833, HV826
- Calculators - HV833, HV826
- Electronic personal organizers - HV830, HV809
- Display Signs - HV809
- Processed with HVCMOS® technology - HV830, HV809
- DC to AC conversion - HV830, HV833, HV826, HV850
- Enable/disable function - HV830, HV833
- Patented output timing for high efficiency - HV857, HV833
- Output voltage regulation - HV857, HV833, HV826
- Split supply capability - HV857, HV833
- MP3 players - HV850
- Watches - HV850

HV809 Features:
Input voltage up to 200V DC, 400V peak-to-peak output voltage, output load up to 350nF (100 in2 for 3.5nF/in² lamp), adjustable output lamp frequency, adjustable On/Off pulsing frequency.

HV826 Features:
1.8V to 3.5V operating supply voltage, adjustable output frequency, adjustable switch frequency.

HV830 Features:
2.0V to 9.5V operating supply voltage, 200V peak-to-peak typical output voltage, large output load capability – typically 50nF connectors, permits the use of high-resistance elastomeric lamp lamp life, and power consumption, adjustable output lamp frequency to control lamp color, adjustable converter frequency to eliminate harmonics and optimize power consumption, Low current draw under no load condition, Very low standby current – 30nA typical.

HV833 Features:
1.8V to 6.5V operating supply voltage, separately adjustable lamp and converter frequency, <100nA shutdown current.

HV850 Features:
Designed to drive EL lamps of up to 2.0 in², with capacitive values up to 4.5nF, no external components needed when using an external EL clock frequency, low noise and enable function

HV857 Features:
Patent pending audible noise reduction, patent pending lamp aging compensation, wide input voltage range 1.8V to 5.0V, 190VPP output voltage for higher brightness, single cell lithium ion compatible, 150nA shutdown current, separately adjustable lamp and converter frequencies.

For quantities greater than listed, call for quote

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Input Voltage Range Low (V)	High (V)	Nominal Output Volt. Vcs (V)	High Volt. Supply Curr. IIN (Typ) (mA)	Max. Switch Resistance RDS(ON) Max (Ω)	Output Reg.	Driver	Maximum Lamp Size Per Driver (in²)	Price Each 1	100	500	Demo Boards	Supply Voltage (V)	Price Each
◆ 689—HV826MG		MSOP-8	1.8	3.5	±80	35	7 Ohm	Yes	Single	4	1.37	1.14	1.05	689-HV826DB1	1.8V - 3.5VDC	49.00
◆ 689—HV826LG		SO-8	1.8	3.5	±80	35	6 Ohm	Yes	Single	4	1.31	1.09	1.01	689-HV826DB1	1.8V - 3.5VDC	49.00
◆ 689—HV857MG-G		MSOP-8	1.8	5.0	±95	20	6 Ohm	Yes	Single	5	1.35	1.12	1.04	689-HV857DB1	1.8V - 5VDC	49.00
◆ 689—HV833MG		MSOP-8	1.8	6.5	±90	56	4 Ohm	Yes	Single	12	1.63	1.36	1.26	689-HV833DB1	1.8V - 6.5VDC	49.00
◆ 689—HV830LG		SO-8	2.0	9.5	±100	35	4 Ohm	Yes	Single	25	2.09	1.74	1.61	689-HV830DB1	2.0 -9.5VDC	50.00
◆ 689—HV850MG-G		MSOP-8	3.0	4.2	±140	---	N/A	Yes	Single	2	1.43	1.19	1.10	689-HV850DB1	3.0V - 4.2VDC	20.00
◆ 689—HV809LG		SO-8	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	2.28	1.90	1.75	689-HV809DB2	6 VDC	80.00
◆ 689—HV809SG		SO-8	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	2.66	2.21	2.04	---	---	---
689—HV809K2		TO-220-7	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	3.59	2.99	2.76	689-HV809DB1	120 VAC	60.00

TEXAS INSTRUMENTS TOUCH SCREEN CONTROLLER

† For use with select Touch Screen Modules without Touch Screen Controller on Board.

For quantities of 250 and up, call for quote

MOUSER STOCK NO.	Mfr. Part No.	Package	Resolutions	Sample Rate	Supply Voltage	Inputs	Output Type	Power mW	DNI	INL	Price Each 1	25	100
595-ADS7843E	ADS7843E	SSOP-16	12	0.125	5	2	Serial	1.8	1	2	3.55	2.85	2.55

ZETEX SEMICONDUCTORS LED/LCD DRIVER SOLUTIONS/LIGHTING ICS

The inherent flexibility of the ZXSC circuit means that parallel or series LEDs can be driven depending on application needs. A simple modification to the application circuit means that the maximum pulse current can be programmed to match the characteristics of the chosen LED load, and pulse current in the range 10mA to 3A and beyond can be easily achieved.

◆ Surface Mount Devic

MOUSER STOCK NO.	Zetex Part No.	Package	Input Voltage Range (V)	Output Voltage Range (1) (V)	Shutdown Current (µA)	Typical Quiescent Current µA	Efficiency V_{in}=3.0V	Price Each 1	25	100	250	Reel Qty.	Price Ea.
522-ZXSC300E5TA	ZXSC300E5	SOT23-5	0.8-8.0	Vin to Vm	---	200	88 with 1 LED	.79	.62	.55	.49	3,000	.34
522-ZXSC310E5TA	ZXSC310E5	SOT23-5	0.8-8.0	Vin to Vm	4	200	88 with 1 LED	.89	.72	.65	.59	3,000	.45
522-ZXSC400E6TA	ZXSC400E6	SOT23-6	1.8-8.0	Vin to Vm	3	150	80 with 4 LEDs	1.60	1.35	1.13	.98	3,000	.71
522-ZXLB1600X10TA	ZXLB1600X10	MSOP10	1.6 - 5.5	28	5	85	75	1.85	1.72	1.60	1.49	1,000	1.30
522-ZXLD1100H6TA	ZXLD1100H6TA	SC70-6	2.5-5.5	28	0.5	60	80 with 3 LEDs	2.70	2.49	2.29	2.08	3,000	1.85
522-ZXLD1101ET5TA	ZXLD1101ET5TA	TSOT23-5	2.5-5.5	28	0.5	60	80 with 3 LEDs	2.15	1.99	1.79	1.67	3,000	1.49

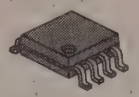
Supertex EL BACKLIGHTING DRIVER INTEGRATED CIRCUITS AND DEMO BOARDS

♦Surface Mount Device

Applications:

- Pagers - HV830, HV826, HV850
- Portable instrumentation - HV830, HV809, HV850
- Global Positioning Systems (GPS) units - HV830, HV857, HV833
- LCD backlighting - HV857, HV833
- Mobile cellular phones - HV857, HV826, HV830, HV850
- PDAs - HV830, HV857, HV833, HV809
- Wireless handheld - HV857
- Portable Transceivers - HV833, HV826, HV850
- Remote Control Units - HV833, HV826
- Calculators - HV833, HV826
- Electronic personal organizers - HV830, HV809
- Display Signs - HV809
- Processed with HVCMOS® technology - HV830, HV809
- DC to AC conversion - HV830, HV833, HV826, HV850
- Enable/disable function - HV830, HV833
- Patented output timing for high efficiency - HV857, HV833
- Output voltage regulation - HV857, HV833, HV826
- Split supply capability - HV857, HV833
- MP3 players - HV850
- Watches - HV850

SO-8


MSOP-8

TO-220-7

MOUSER STOCK NO.		Package	Input Voltage Range		Nominal Output Volt. Vcs (V)	High Volt. Supply Curr. IIN (Typ) (mA)	Max. Switch Resistance RDS(ON) Max (Ω)	Output Reg.	Driver	Maximum Lamp Size Per Driver (in²)	Price Each			Demo Boards	Supply Voltage (V)	Price Each
Mfr.	Mfr. Part No.		Low (V)	High (V)							1	100	500			
♦	689—HV826MG	MSOP-8	1.8	3.5	±80	35	7 Ohm	Yes	Single	4	1.37	1.14	1.05	689-HV826DB1	1.8V - 3.5VDC	49.00
♦	689—HV826LG	SO-8	1.8	3.5	±80	35	6 Ohm	Yes	Single	4	1.31	1.09	1.01	689-HV826DB1	1.8V - 3.5VDC	49.00
♦	689—HV857MG-G	MSOP-8	1.8	5.0	±95	20	6 Ohm	Yes	Single	5	1.35	1.12	1.04	689-HV857DB1	1.8V - 5VDC	49.00
♦	689—HV833MG	MSOP-8	1.8	6.5	±90	56	4 Ohm	Yes	Single	12	1.63	1.36	1.26	689-HV833DB1	1.8V - 6.5VDC	49.00
♦	689—HV830LG	SO-8	2.0	9.5	±100	35	4 Ohm	Yes	Single	25	2.09	1.74	1.61	689-HV830DB1	2.0 -9.5VDC	50.00
♦	689—HV850MG-G	MSOP-8	3.0	4.2	±140	---	N/A	Yes	Single	2	1.43	1.19	1.10	689-HV850DB1	3.0V - 4.2VDC	20.00
♦	689—HV809LG	SO-8	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	2.28	1.90	1.75	689-HV809DB2	6 VDC	80.00
♦	689—HV809SG	SO-8	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	2.66	2.21	2.04	---	---	---
	689—HV809K2	TO-220-7	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	3.59	2.99	2.76	689-HV809DB1	120 VAC	60.00

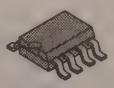
Supertex LED DRIVER INTEGRATED CIRCUITS AND DEMO BOARDS

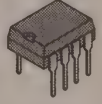
♦Surface Mount Device

Applications:

- Accent lighting - CL2
- Automotive - HV9910, HV9930, CL2
- Backlighting of flat panel displays - HV9910
- Battery powered LED lamps - HV9930
- Cellular phones - HV9903
- Chargers - HV9910
- Color LCD Backlighting - HV9903
- Constant current sink - CL2
- DC/DC or AC/DC LED Driver applications: HV9910, HV9930
- Digital cameras - HV9903
- Electronic personal organizers - HV9903
- General purpose constant current source - HV9910, CL2
- Industrial lamp indicators - CL2
- LED driver - HV9903, HV9910, HV9921, HV9922, HV9930, CL2
- Low power lighting fixtures - HV9921/HV9922
- MP3 players - HV9903
- PDAs - HV9903
- RGB backlighting LED driver - HV9910, HV9930
- Signage and decorative LED lighting - HV9910, HV9921, HV9922, CL2

MLP-6


SO-8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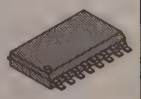
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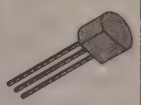

TO-92

SOT-89

TO-252

White LED Driver IC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Supply Voltage (V)	Input Voltage (V)	RSET (Ω)	Internally Regulated Voltage (V)(Typ)	LED Current (Min/Max) (mA)	Supply Current (mA)(Max)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
♦	689—HV9903K6-G	MLP-6	2.6 - 4.6	1.8 - 12.5	1.5K	3.3	5.0/40	1.6	1.06	.88	.82

Universal High Brightness LED Driver ICs

MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	Current For Ext. Circuitry (Max)(mA)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	Curr. Sense Pull-in Thresh Voltage (Min/Max)(mV)	Oscillator Frequency (Min/Max)(kHz)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
♦	689—HV9910LG-G	SO-8	8.0 - 450	1	1	7.5	225/275	20(1MΩ)/120(226kΩ)	1.10	.92	.85
	689—HV9910P	DIP-8	8.0 - 450	1	1	7.5	225/275	20(1MΩ)/120(226kΩ)	1.01	.84	.77
♦	689—HV9910NG-G	SO-16	8.0 - 450	1	1	7.5	225/275	20(1MΩ)/120(226kΩ)	1.24	1.03	.95

3-Pin Switchmode LED Driver ICs

MOUSER STOCK NO.		Package	DC Input Voltage (V)	AC Input Voltage (V)	Constant Output Current (mA)	ON Resistance (Ω)	Operating Supply Current (Typ/Max)(uA)	Threshold Current (Min/Max)(mA)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
	689—HV9921N3-G	TO-92	20 - 400	85 - 264	20.0	210	250/350	20.5/25.5	.82	.68	.63
♦	689—HV9921N8-G	SOT-89	20 - 400	85 - 264	20.0	210	250/350	20.5/25.5	.86	.71	.66
	689—HV9922N3-G	TO-92	20 - 400	85 - 264	50.0	210	250/350	52/63	.87	.73	.67
♦	689—HV9922N8-G	SOT-89	20 - 400	85 - 264	50.0	210	250/350	52/63	.91	.76	.70

Hysteric Boost-Buck LED Driver ICs

MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	Current For Ext.Circuitry (Max)(mA)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	PWMD Pull-Down Resistance (Min/Max)(kΩ)	Reference Pin Voltage (Min/Typ/Max)(V)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
♦	689—HV9930LG-G	SO-8	8.0 - 200	1	1	7.5	50/150	1.212/1.25/1.288	1.29	1.07	.99
	689—HV9930P-G	DIP-8	8.0 - 200	1	1	7.5	50/150	1.212/1.25/1.288	1.18	.98	.91

Temperature Compensated Constant Current LED Driver ICs

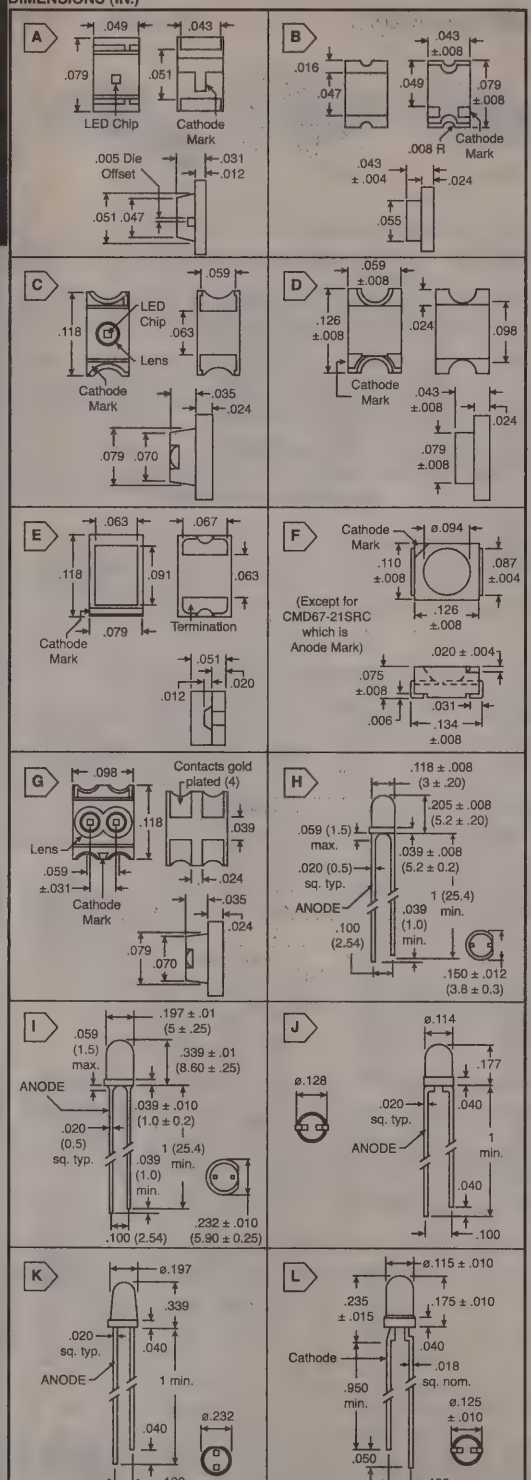
MOUSER STOCK NO.		Package	DC Input Voltage (V)	Current Regulation (Typ)(mA)	Maximum Operating Voltage (V)	Dynamic Resistance (Typ)(Ω)	Power Dissipation @ TA = 25° C (W)	Temperature Coefficient "%/°C	Price Each		
Mfr.	Mfr. Part No.								1	100	500
♦	689—CL2K4-G	TO-252	5.0 - 90	20	100	300k	2.0	0.01	.70	.58	.54
♦	689—CL2N8-G	SOT-89	5.0 - 90	20	100	300k	1.3	0.01	.49	.41	.38
	689—CL2N3-G	TO-92	5.0 - 90	20	100	300k	0.6	0.01	.44	.36	.34

LED Driver IC Demo Boards

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
689—HV9903DB1		Contains all the necessary circuitry to demonstrate the features of the HV9903 white LED driver	70.00
689—HV9910DB1		Off-line, high brightness LED driver demo board. It contains all the necessary circuitry to test the performance of the HV9910 as a constant current driver to drive a string or mutliple strings of LEDs	198.00
689—HV9910DB2		Universal off-line high brightness LED driver demo board. The board can be used to test the performance of HV9910 as a constant driver to power a string or multiple strings of LEDs	150.00
689—HV9910DB3		Low voltage, high brightness LED driver demo board. The board can be used to test the performance of the HV9910 as a constant driver to power LEDs	108.00
689—HV9910DB5		Universal input, phase dimmable, single high brightness LED driver demo board. The board is a high brightness LED power driver to supply one high brightness LED using the HV9910 driver IC from either 100V or 220VAC supply. It is ideal for incandescent retrofit applications.	150.00
689—HV9921DB1		Universal off-line LED driver demo board. The demo board is a complete LED power driver to supply a string of string of LEDs usin the HV9921, an integrated 3-pinhigh input voltage constant-current buck regulator IC	130.00
689—HV9922DB1		Universal off-line LED driver demo board. The demo board is a complete LED power driver to supply a string of string of LEDs usin the HV9922, an integrated 3-pin high input voltage constant-current buck regulator IC	130.00
689—HV9930DB1		High brightness LED driver demo board. The board uses an LED driver that is capable of driving up to 7 1-watt LEDs in series from an automotive input of 9 to 25 VDC. The demo board uses Supertex's HV9930 in a boost-buck topology.	150.00
689—HV9930DB2		High brightness boost-buck LED driver demo board. The demo board uses an LED driver that is capable of driving 4 3-watt LEDs in series from an input of 9 to 25 VDC. The demo board uses Supertex's HV9930 in a boost-buck topology.	96.00

CHICAGO MINIATURE LED Lamps

DIMENSIONS (IN.)



SURFACE MOUNT LED LAMPS

For quantities of 1000 or more, call for quot

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
0805 Size SMD LED Lamps												
606-7012X1	A	Red	Clear Diff	1.7	2.0	7.0	11.7	660	120°	.42	.31	.26
606-7012X13	A	Yellow	Clear Diff	2.2	2.5	2.2	3.7	580	120°	.42	.31	.26
606-7012X5	A	Green	Clear Diff	2.1	2.5	3.8	6.4	560	120°	.42	.31	.26
606-CMD17-21SRC	B	Red	Clear	1.7	2.4	10.0	21.0	660	140°	.43	.32	.27
606-CMD17-21VRC	B	H.E. Red	Clear	2.0	2.8	4.5	13.0	640	140°	.26	.19	.16
606-CMD17-21VYC	B	Yellow	Clear	2.0	2.8	5.0	12.0	585	140°	.26	.19	.16
606-CMD17-21VGC	B	Green	Clear	2.1	2.8	6.0	10.0	570	140°	.26	.19	.16
606-CMD17-21UGC	B	Green	Clear	2.1	2.8	8.0	15.0	570	140°	.29	.21	.18
1206 Size SMD LED Lamps												
606-7010X11	C	Red	Clear	1.7	2.0	6.0	17.0	660	70°	.48	.36	.30
606-7010X1	C	Red	Clear	2.0	2.5	3.5	6.0	630	70°	.48	.36	.30
606-7010X3	C	Orange	Clear	2.2	2.5	5.0	9.0	605	70°	.48	.36	.30
606-7010X7	C	Yellow	Clear	2.1	2.5	6.0	12.0	570	70°	.48	.36	.30
606-7010X5	C	Green	Clear	2.1	2.5	3.0	7.5	560	70°	.48	.36	.30
606-CMD15-21SRC	D	Red	Clear	1.7	2.4	6.0	15.0	660	140°	.39	.28	.24
606-CMD15-21VRC	D	H.E. Red	Clear	2.0	2.8	3.6	6.0	640	140°	.30	.22	.19
606-CMD15-21VYC	D	Yellow	Clear	2.0	2.8	3.6	6.0	585	140°	.32	.24	.20
606-CMD15-21VGC	D	Green	Clear	2.1	2.8	6.0	10.0	570	140°	.29	.21	.18
606-CMD15-21UGC	D	Green	Clear	2.1	2.8	7.0	12.0	565	140°	.35	.26	.22
606-CMD15-21UBC	D	Blue	Clear	4.9	5.5	19.0	45.0	430	140°	2.94	2.16	1.82
1208 Size SMD LED Lamps												
606-7016X1	E	Red	Clear	2.0	2.8	2.2	6.3	650	110°	.39	.29	.25
606-7016X13	E	Amber	Clear	2.0	2.8	2.2	6.3	610	110°	.39	.29	.25
606-7016X3	E	Yellow	Clear	2.1	2.8	2.2	6.3	585	110°	.39	.29	.25
606-7016X5	E	Green	Clear	2.2	2.8	5.6	16.0	563	110°	.39	.29	.25
SMD LED Lamps												
606-CMD67-21SRC	F	Red	Clear	1.7	2.4	25	40	660	120°	.54	.39	.33
606-CMD67-21VRC	F	H.E. Red	Clear	2.0	2.8	6.0	10	640	120°	.48	.35	.30
606-CMD67-21VYC	F	Yellow	Clear	2.0	2.8	6.0	10	585	120°	.42	.31	.26
606-CMD67-21VGC	F	Green	Clear	2.1	2.8	15	25	570	120°	.37	.27	.23
Bi-Color SMD LED Lamps												
606-7011X1/17	G	Red/Yel	Clear	1.75/2.2	2.0/2.5	6.0/3.0	17.0/6.0	660/580	100°	.87	.64	.54
606-7011X1/5	G	Red/Grn	Clear	1.7/2.1	2.0/2.5	6.0/3.0	17.0/7.5	660/560	100°	.87	.64	.54
606-7011X5/7	G	Grn/Yel	Clear	2.1/2.2	2.5/2.5	3.0/3.0	7.5/6.0	560/580	100°	.87	.64	.54

THRU-HOLE WHITE LED LAMPS

For quantities of 1000 or more, call for quot

MOUSER STOCK NO.	Fig.	Emitted Color	Lens Color	Luminous Intensity			Forward Voltage		Peak Wave-length (nm)	Viewing Angle	Price Each		
				Min. mcd	Typ. mcd	Max. mcd	Typ.	Max.			1	100	500
T-1 White LED													
606-CMD204UWC	H	White	Clear	0.7	1.0	1.4	3.7	3.85	475	22°	3.02	2.78	2.50
T-1 3/4 White LED													
606-CMD333UWC	I	White	Clear	1.7	2.3	2.6	3.75	3.85	475	20°	3.02	2.78	2.50

THRU-HOLE BLUE LED LAMPS

For quantities of 1000 or more, call for quot

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
T-1 Blue LED Lamps												
606-CMD264UBD	J	Blue	Blue Diff	4.9	5.5	63	100	430	45°	1.50	1.30	1.21
606-CMD264UBC	J	Blue	Clear	4.9	5.5	160	250	430	30°	1.61	1.40	1.30
T-1 3/4 Blue LED Lamps												
606-CMD383UBC/H2	K	Blue	Clear	4.9	5.5	250	350	430	24°	2.52	2.27	2.14
606-CMD383UBC	K	Blue	Clear	4.9	5.5	600	800	430	12°	2.52	2.27	2.14

THRU-HOLE LED LAMPS

T-1 Low Current

For quantities of 1000 or more, call for quot

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 2mA		Luminous Intensity @ 2mA(mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-4300F1LC	L	Red	Red Diff	1.8	2.0	0.8	2.1	634	50°	.35	.30	.28
606-4300F7LC	L	Yellow	Yel Diff	1.9	2.5	0.9	1.6	583	50°	.35	.30	.28
606-4300F5LC	L	Green	Grn Diff	1.8	2.2	1.0	2.1	565	50°	.35	.30	.28

T-1 Super Bright

For quantities of 1000 or more, call for quot

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 2mA		Luminous Intensity @ 2mA(mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-4303F1	M	Red	Red Diff	2.0	3.0	3.6	10.0	650	90°	.21	.18	.17
606-4303F3	M	Amber	Amber Diff	2.2	3.0	3.0	7.0	603	60°	.30	.26	.25
606-4303F7	M	Yellow	Yellow Diff	2.1	3.0	2.2	6.3	585	90°	.21	.18	.17
606-4303F5	M	Green	Green Diff	2.2	3.0	5.6	16.0	562	90°	.21	.18	.17

T-1 w/ Integrated Resistor

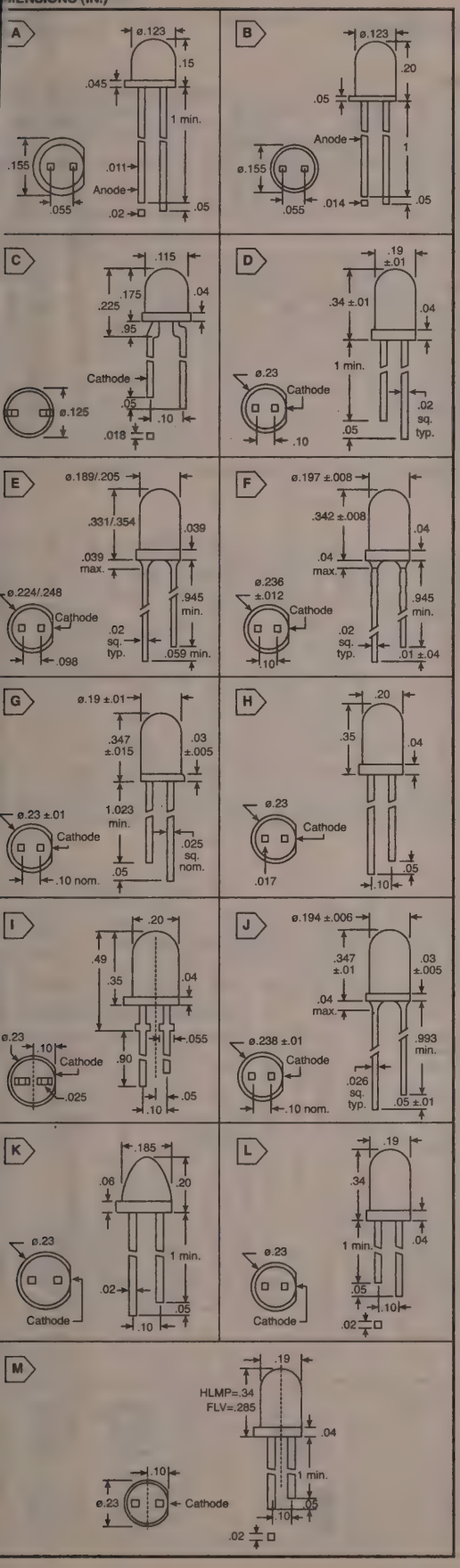
For quantities of 1000 or more, call for quot

606-4302F1-5V	N	Red	Red Diff	5	10	2.0	8.0	635	60°	.49	.42	.39
606-4302F3-5V	N	Amber	Amber Diff	5	10	2.0	8.0	583	60°	.49	.42	.39
606-4302F5-5V	N	Green	Green Diff	5	10	2.0	8.0	565	60°	.49	.42	.39
606-4302F1-12V	N	Red	Red Diff	12	13	2.0	8.0	635	60°	.58	.50	.47
606-4302F3-12V	N	Amber	Amber Diff	12	13	2.0	8.0	583	60°	.58	.50	.47
606-4302F5-12V	N	Green	Green Diff	12	13	2.0	8.0	565	60°	.58	.50	.47

CHICAGO MINIATURE LED Lamps

CML INNOVATIVE TECHNOLOGIES WHERE INNOVATION COMES TO LIGHT

MENSIONS (IN.)



CML THRU-HOLE LED LAMPS

T-1 Standard Size

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 10mA(mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-CMD5777C	A	Hi-eff red	Red diff	2.0	3.0	1.0	7.0	635	180°	.40	.35	.33
606-CMD5074C	B	Red	Red Clr	1.6	2.0	.7	2.5	660	70°	.27	.24	.23
606-CMD5075C	B	Red	Red diff	1.6	2.0	.6	1.5	660	90°	.30	.26	.25
606-CMD5774C	B	Hi-eff red	Red diff	2.0	3.0	1.5	9.0	635	90°	.38	.33	.32
606-CMD5374C	B	Yellow	Yel diff	2.1	3.0	1.5	9.0	585	90°	.40	.35	.33
606-CMD5474C	B	Hi-eff grn	Grn diff	2.2	3.0	1.2	9.0	565	90°	.38	.33	.32
606-HLMP1340	C	Hi-eff red	Red diff	2.2	3.0	24.0	60.0	635	45°	.43	.37	.36
606-CMD54643	C	Hi-eff grn	Grn diff	2.2	3.0	2.0	5.0	565	90°	.30	.26	.25

T-1 3/4 Low Current

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 2mA		Luminous Intensity @ 2mA(mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-4300H1LC	D	Red	Red Diff	1.8	2.2	1.3	2.3	635	50°	.35	.30	.28
606-4300H7LC	D	Yellow	Yellow Diff	1.9	2.7	1.0	2.1	583	50°	.35	.30	.28
606-4300H5LC	D	Green	Green Diff	1.8	2.2	1.0	2.3	565	50°	.35	.30	.28

T-1 3/4 Super Bright

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 10mA		Luminous Intensity @ 10mA(mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-4304H1	E	Red	Red Diff	2.0	3.0	3.0	6.3	650	65°	.21	.18	.17
606-4304H3	E	Amber	Amber Diff	2.2	3.0	4.0	20.0	608	60°	.28	.24	.23
606-4304H7	E	Yellow	Yellow Diff	2.1	3.0	2.5	6.3	585	65°	.21	.18	.17
606-4304H5	E	Green	Green Diff	2.1	3.0	3.0	10.0	563	75°	.21	.18	.17

T-1 3/4 Ultra Bright

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-4305H1	F	Red	Red	2.1	3.0	20	60	650	30°	.21	.18	.17
606-4305H7	F	Yellow	Yellow	2.2	3.0	56	160	585	30°	.21	.18	.17
606-4305H5	F	Green	Green	2.2	3.0	30	100	563	30°	.21	.18	.17
606-4308H1	G	Red	Clear	1.8	2.2	90	240	645	24°	.58	.50	.47
606-4308H7	G	Yellow	Clear	2.2	3.0	95	140	583	24°	.40	.34	.32
606-4308H5	G	Green	Clear	2.3	3.0	110	140	565	24°	.40	.34	.32
606-CMD3750	H	Hi-eff red	Clear	2.2	3.0	80	150	635	24°	.46	.40	.39
606-HLMP3750A	I	Hi-eff red	Clear	2.2	3.0	80	150	635	24°	.29	.25	.24
606-HLMP3850A	I	Yellow	Clear	2.2	3.0	80	150	585	24°	.31	.27	.26
606-HLMP3950A	I	Hi-eff grn	Clear	2.2	3.0	80	150	565	24°	.31	.27	.26

T-1 3/4 w/ Integrated Resistor

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-4302H1-5V	J	Red	Red Diff	5	10	2.0	8.0	635	60°	.58	.50	.47
606-4302H3-5V	J	Amber	Amber Diff	5	10	2.0	8.0	583	60°	.58	.50	.47
606-4302H5-5V	J	Green	Green Diff	5	12	2.0	8.0	565	60°	.58	.50	.47
606-4302H1-12V	J	Red	Red Diff	12	13	2.0	8.0	635	60°	.58	.50	.47
606-4302H3-12V	J	Amber	Amber Diff	12	13	2.0	8.0	583	60°	.58	.50	.47
606-4302H5-12V	J	Green	Green Diff	12	13	2.0	8.0	565	60°	.58	.50	.47

T-1 3/4 Standard Size

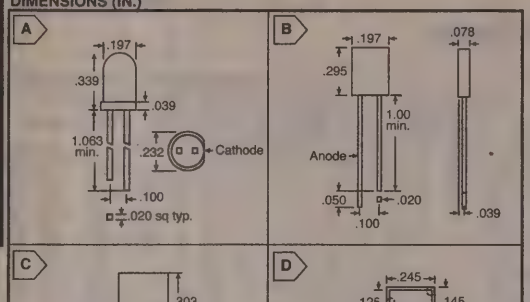
For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-CMD50154	K	Red	Red diff	1.6	2.0	0.4	1.5	660	50°	.53	.46	.44
606-CMD54154	K	Hi-eff grn	Grn diff	2.2	3.0	2.0	12.0	565	50°	.58	.50	.48
606-CMD5055	L	Red	Red diff	2.2	- - -	.1	- - -	660	150°	.62	.54	.52
606-CMD5053	L	Red	Red diff	2.2	- - -	.5	- - -	660	80°	.24	.21	.20
606-CMD5453	L	Hi-eff grn	Grn diff	2.2	3.0	3.0	20.0	562	75°	.27	.24	.23
606-CMD64531	L	Hi-eff grn	Grn diff	2.2	3.0	7.0	20.0	562	75°	.46	.40	.39
606-HLMP3300	M	Hi-eff red	Red diff	2.2	3.0	2.0	3.5	635	65°	.38	.33	.32
606-HLMP3301	M	Hi-eff red	Red diff	2.2	3.0	4.0	7.0	635	65°	.56	.48	.47
606-CMD5753	L	Hi-eff red	Red diff	2.0	3.0	3.0	10.0	635	65°	.26	.22	.21
606-CMD5353	L	Yellow	Yel diff	2.1	3.0	2.5	15.0	585	65°	.27	.24	.23
606-HLMP4700	L	Hi-eff red	Red diff	1.8	2.2	1.2	2.0	635	35°	.37	.32	.31
606-HLMP4719	L	Yellow	Yel diff	1.9	2.7	1.2	2.0	585	35°	.37	.32	.31
606-CMD5054A-1	L	Red	Red diff	2.2	- - -	1.0	- - -	660	24°	.27	.24	.23
606-CMD5354A	L	Yellow	Yel diff	2.1	3.0	10.0	25.0	585	24°	.29	.25	.24
606-CMD5754A	L	Hi-eff red	Red diff	2.0	3.0	15.0	25.0	635	24°	.27	.24	.23
606-HLMP3315	M	Hi-eff red	Red clr	2.2	3.0	12.0	18.0	635	35°	.38	.33	.32
606-FLV110	M	Red	Red diff	1.6	2.0	.8	3.0	665	70°	.32	.28	.27
606-CMD5752	L	Hi-eff red	Red clr	2.0	3.0	17.0	100.0	635	28°	.35	.31	.29
606-CMD5152	L	Hi-eff red	Amb clr	2.0	3.0	17.0	100.0	635	28°	.48	.42	.40
606-CMD5352	L	Yellow	Yel clr	2.1	3.0	10.0	90.0	585	28°	.37	.32	.31
606-CMD5452	L	Hi-eff grn	Grn clr	2.2	3.0	12.0	25.0	562	35°	.37	.32	.31

CHICAGO MINIATURE LED Lamps and Indicators

CML INNOVATIVE TECHNOLOGIES WHERE INNOVATION COMES TO LIGHT

DIMENSIONS (IN.)



CML THRU-HOLE LED LAMPS

T-1 3/4 Bi-Polar for AC/DC Operation

For quantities of 1000 or more, call for quote

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-4301H1/1	A	Red	Red	2.0	2.5	8.0	20.0	625	60°	.67	.58	.54
606-4301H7/7	A	Yellow	Yellow	2.1	2.5	5.0	20.0	590	60°	.67	.58	.54
606-4301H5/5	A	Green	Green	2.2	2.5	5.0	20.0	565	60°	.67	.58	.54

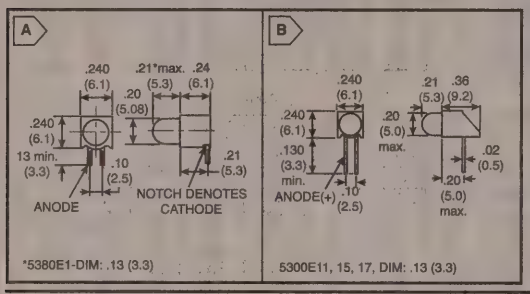
Rectangular LED Lamps

For quantities of 1000 or more, call for quote

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 10mA(mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-CMD57123	B	Hi-eff red	Red diff	2.0	4.0	1.0	4.0	635	100°	.26	.22	.21
606-CMD54123	B	Hi-eff grn	Grn diff	2.2	4.0	1.0	4.0	562	100°	.29	.25	.24
606-HLMP0301	C	Hi-eff red	Red diff	2.1	3.0	2.5	5.0	635	100°	.78	.68	.65
606-HLMP0503	C	Hi-eff grn	Grn diff	2.3	3.0	1.5	3.0	565	100°	.53	.46	.44
606-CMD57124A	D	Hi-eff red	Red diff	2.0	3.0	1.0	6.0	635	100°	.45	.39	.37
606-CMD54124A	D	Hi-eff grn	Grn diff	2.2	3.0	1.0	6.0	562	100°	.43	.37	.36
606-CMD53124A	D	Yellow	Yel diff	2.0	3.0	1.0	6.0	585	100°	.43	.37	.36

CML T-1 3/4 CIRCUIT BOARD INDICATORS

DIMENSIONS IN. (mm)

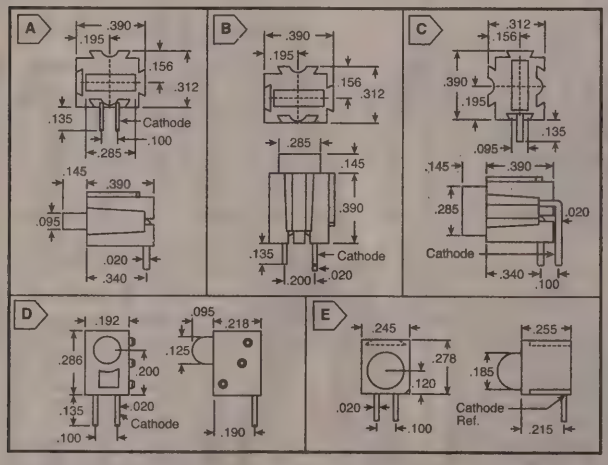


For quantities of 500 or more, call for quote

MOUSER STOCK NO.	Fig.	Color	Cont. Forward Current (mA)(max.)	Forward Voltage		Luminous Intensity (mcd) (typ)	Rated Current (mA)	Peak Wavelength (nm)	Price Each		
				Typ.	Max.				1	25	100
607-5300H1	A	Red	60	2.0	3.0	6.3	10	650	.57	.44	.36
607-5300H5	A	Green	60	2.2	3.0	10	10	563	.57	.44	.36
607-5300H7	A	Yellow	60	2.1	3.0	6.3	10	585	.57	.44	.36
607-5300H1LC	A	Red	7	1.8	2.2	2.0	2.0	635	.73	.57	.46
607-5300H5LC	A	Green	7	1.8	2.2	2.5	2.0	565	.73	.57	.46
607-5302H1-5V	A	Red	15	5.0	7.5	6.0	10.0	635	.78	.61	.49
607-5302H3-5V	A	Amber	15	5.0	7.5	7.0	10.0	583	.78	.61	.49
607-5302H5-5V	A	Green	15	5.0	7.5	10.0	12.0	565	.78	.61	.49
607-5380H1	B	Red	35	2.0	3.0	30.0	20.0	635	.57	.44	.36
607-5380H5	B	Green	20	2.2	2.5	30.0	20.0	555	.57	.44	.36
607-5380H7	B	Yellow	35	2.1	3.0	2.0	20.0	585	.57	.44	.36

CML CIRCUIT BOARD INDICATORS

DIMENSIONS (IN.)



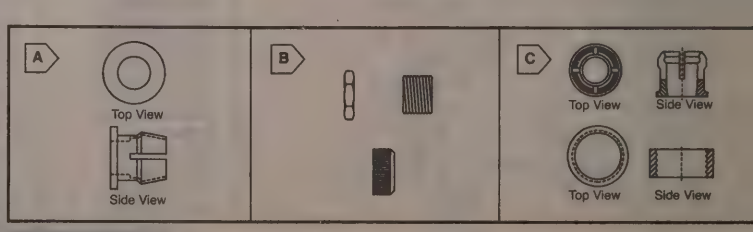
For quantities of 1000 or more, call for quot

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 10mA(mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-CMR01R	A	Hi-eff red	Red diff	2.0	2.5	3.2	12.5	625	110	.64	.55	.53
606-CMR01G	A	Hi-eff grn	Green diff	2.2	2.5	1.3	8.0	565	110	.64	.55	.53
606-CMR01Y	A	Yellow	Yel diff	2.1	2.5	1.3	8.0	590	110	.64	.55	.53
606-CMS01R	B	Hi-eff red	Red diff	2.0	2.5	3.2	12.5	625	110	.64	.55	.53
606-CMS01G	B	Hi-eff grn	Green diff	2.2	2.5	1.3	8.0	565	110	.64	.55	.53
606-CMS01Y	B	Yellow	Yel diff	2.1	2.5	1.3	8.0	590	110	.64	.55	.53
606-CMV01R	C	Hi-eff red	Red diff	2.0	2.5	3.2	12.5	625	110	.64	.55	.53
606-CMV01G	C	Hi-eff grn	Green diff	2.2	2.5	1.3	8.0	565	110	.70	.60	.55
606-CMV01Y	C	Yellow	Yel diff	2.1	2.5	1.3	8.0	590	110	.64	.55	.53
606-CMC01R	D	Hi-eff red	Water clr	2.0	2.5	24.0	60.0	625	30	.66	.57	.55
606-CMC01Y	D	Yellow	Water clr	2.1	2.5	24.0	60.0	590	30	.66	.57	.55
606-CMW01S	D	Hi-eff red	Red diff	2.0	2.5	1.0	2.0	625	120	.66	.57	.55
606-CMW01R	D	Hi-eff red	Red diff	2.0	2.5	3.2	20.0	625	130	.66	.57	.55
606-CMW01H	D	Hi-eff grn	Green diff	2.2	2.5	1.0	2.0	565	120	.66	.57	.55
606-CMW01G	D	Hi-eff grn	Green diff	2.2	2.5	3.2	12.5	565	120	.66	.57	.55
606-CMW01Z	D	Yellow	Yel diff	2.1	2.5	1.0	2.0	590	120	.66	.57	.55
606-CMW01Y	D	Yellow	Yellow diff	2.1	2.5	3.2	12.5	590	120	.66	.57	.55
606-CMI01S	E	Red	Red diff	1.7	2.1	1.25	3.2	660	120	.67	.58	.56
606-CMI01G	E	Hi-eff grn	Green diff	2.2	2.5	3.2	8.0	565	120	.67	.58	.56
606-CMI01Y	E	Yellow	Yel diff	2.1	2.5	3.2	8.0	590	120	.67	.58	.56

CML LED PANEL MOUNTING ACCESSORIES

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Description	Color	Price Each		
				1	100	500
606-CMP100	A	T-1 single piece	Black	.16	.12	.12
606-4999-002	B	T-1 3/4, 3 piece flanged	Silver	2.52	2.16	2.10
606-4999-003	B	T-1 3/4, 3 piece flanged	Black	2.52	2.16	2.10
606-4304MC	C	T-1 3/4, 2 piece	Black	.14	.11	.10



MOUSER ELECTRONICS a tti company (800) 346-6873

CHICAGO MINIATURE LED, Incandescent, & Neon Indicators

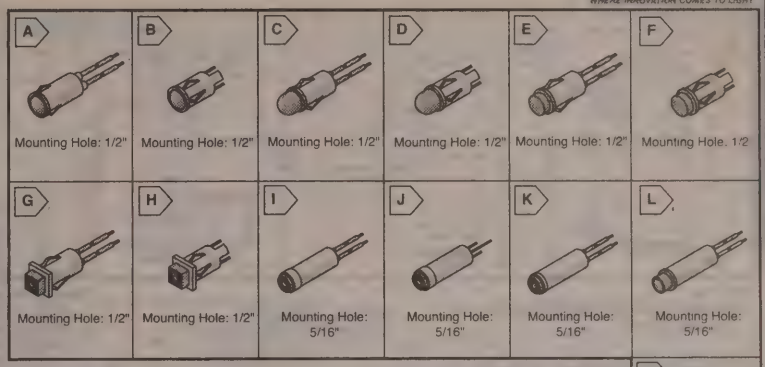
CML INNOVATIVE TECHNOLOGIES

NON-RELAMPABLE INDICATORS

Neon Indicators

For quantities of 500 or more, call for quote.

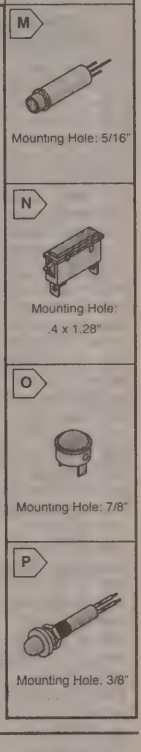
MOUSER STOCK NO.	Fig.	Color	Voltage (VAC)	Termination	Rated Life (hrs.)	Price Each 1	25	100
607-1030D1	A	Red	105-125	Black wire	25,000	2.10	1.68	1.43
607-1030D3	A	Amber	105-125	Black wire	25,000	2.10	1.68	1.43
607-1030D4	A	White	105-125	Black wire	25,000	2.10	1.68	1.43
607-1032D5	A	Green	105-125	Black wire	25,000	3.15	2.52	2.14
607-1031D1	A	Red	208-250	Black/Red wire	25,000	2.10	1.68	1.43
607-1030QD1	B	Red	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1030QD3	B	Amber	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1030QD4	B	White	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1032QD5	B	Green	105-125	Quick connect	25,000	3.35	2.68	2.28
607-1050A1	C	Red	105-125	Black wire	25,000	2.10	1.68	1.43
607-1050A2	C	Clear	105-125	Black wire	25,000	2.10	1.68	1.43
607-1050A3	C	Amber	105-125	Black wire	25,000	2.10	1.68	1.43
607-1050A4	C	White	105-125	Black wire	25,000	2.10	1.68	1.43
607-1052A5	C	Green	105-125	Black wire	25,000	3.15	2.52	2.14
607-1051A1	C	Red	208-250	Black/Red wire	25,000	2.10	1.68	1.43
607-1051A3	C	Amber	208-250	Black/Red wire	25,000	2.10	1.68	1.43
607-1053A5	C	Green	208-250	Black/Red wire	25,000	3.15	2.52	2.14
607-1050QA1	D	Red	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1050QA3	D	Amber	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1052QA5	D	Green	105-125	Quick connect	25,000	3.35	2.68	2.28
607-1051QA1	D	Red	208-250	Quick connect	25,000	2.28	1.82	1.55
607-1051QA3	D	Amber	208-250	Quick connect	25,000	2.28	1.82	1.55
607-1050C1	E	Red	105-125	Black wire	25,000	2.10	1.68	1.43
607-1050C2	E	Clear	105-125	Black wire	25,000	2.10	1.68	1.43
607-1050C3	E	Amber	105-125	Black wire	25,000	2.10	1.68	1.43
607-1050C4	E	White	105-125	Black wire	25,000	2.10	1.68	1.43
607-1052C5	E	Green	105-125	Black wire	25,000	3.15	2.52	2.14
607-1051C1	E	Red	208-250	Black/Red wire	25,000	2.10	1.68	1.43
607-1051C3	E	Amber	208-250	Black/Red wire	25,000	2.10	1.68	1.43
607-1053C5	E	Green	208-250	Black/Red wire	25,000	3.15	2.52	2.14
607-1050QC1	F	Red	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1050QC2	F	Clear	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1050QC3	F	Amber	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1050QC4	F	White	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1052QC5	F	Green	105-125	Quick connect	25,000	3.35	2.68	2.28
607-1051QC1	F	Red	208-250	Quick connect	25,000	2.28	1.82	1.55
607-1051QC3	F	Amber	208-250	Quick connect	25,000	2.28	1.82	1.55
607-1050N1	G	Red	105-125	Black wire	25,000	2.28	1.82	1.55
607-1050N3	G	Amber	105-125	Black wire	25,000	2.28	1.82	1.55
607-1052N5	G	Green	105-125	Black wire	25,000	3.35	2.68	2.28
607-1050QN1	H	Red	105-125	Quick connect	25,000	2.48	1.98	1.68
607-1050QN3	H	Amber	105-125	Quick connect	25,000	2.48	1.98	1.68
607-1052QN5	H	Green	105-125	Quick connect	25,000	3.55	2.84	2.41
607-2110A1	I	Red	105-125	Black wire	25,000	2.08	1.66	1.41
607-2110A2	I	Clear	105-125	Black wire	25,000	2.08	1.66	1.41
607-2110A3	I	Amber	105-125	Black wire	25,000	2.08	1.66	1.41
607-2110A4	I	White	105-125	Black wire	25,000	2.08	1.66	1.41
607-2112A5	J	Green	105-125	Black wire	25,000	3.15	2.52	2.14
607-2110QA1	J	Red	105-125	Quick connect	25,000	2.28	1.82	1.55
607-2112QA5	K	Green	105-125	Quick connect	25,000	3.33	2.66	2.26
607-2120A1	K	Red	105-125	Black wire	25,000	2.08	1.66	1.41
607-2120A3	K	Amber	105-125	Black wire	25,000	2.08	1.66	1.41



Neon Indicators (cont.)

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color	Voltage (VAC)	Termination	Rated Life (hrs.)	Price Each 1	25	100
607-2120A4	K	White	105-125	Black wire	25,000	2.08	1.66	1.41
607-2150A1	L	Red	105-125	Black wire	25,000	2.23	1.78	1.51
607-2150A2	L	Clear	105-125	Black wire	25,000	2.23	1.78	1.51
607-2150A3	L	Amber	105-125	Black wire	25,000	2.23	1.78	1.51
607-2150A4	L	White	105-125	Black wire	25,000	2.23	1.78	1.51
607-2152A5	L	Green	105-125	Black wire	25,000	3.58	2.86	2.43
607-2150QA1	M	Red	105-125	Quick connect	25,000	2.40	1.92	1.63
607-2150QA3	M	Amber	105-125	Quick connect	25,000	2.40	1.92	1.63
607-2150QA4	M	White	105-125	Quick connect	25,000	2.40	1.92	1.63
607-2152QA5	M	Green	105-125	Quick connect	25,000	3.75	3.00	2.55
607-2330QD1	N	Red	105-125	Quick connect	25,000	2.55	2.04	1.73
607-2330QD3	N	Amber	105-125	Quick connect	25,000	2.55	2.04	1.73
607-2330QD4	N	White	105-125	Quick connect	25,000	2.55	2.04	1.73
607-2620QK1	O	Red	105-125	Quick connect	25,000	3.03	2.42	2.06
607-2620QK3	O	Amber	105-125	Quick connect	25,000	3.03	2.42	2.06
607-2620QK4	O	White	105-125	Quick connect	25,000	3.03	2.42	2.06
607-2622QK5	O	Green	105-125	Quick connect	25,000	4.00	3.20	2.72
607-6010M1	P	Red	105-125	Black/Red wire	25,000	4.45	3.56	3.03
607-6010M3	P	Amber	105-125	Black/Red wire	25,000	4.45	3.56	3.03
607-6012M5	P	Green	105-125	Black/Red wire	25,000	5.45	4.36	3.71

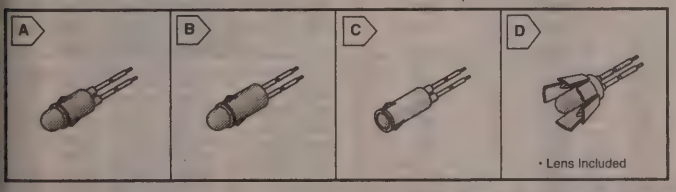


Incandescent Indicators

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color	Voltage (VDC)	Termination	Rated Life (hrs.)	Price Each 1	25	100
607-1090A1-12V	C	Red	12VDC	Yellow wire	10,000	2.70	2.16	1.84
607-1090A3-12V	C	Amber	12VDC	Yellow wire	10,000	2.70	2.16	1.84
607-1090A5-12V	C	Green	12VDC	Yellow wire	10,000	2.70	2.16	1.84
607-1090A1-28V	C	Red	28VDC	Purple wire	7,000	2.70	2.16	1.84
607-1090A3-28V	C	Amber	28VDC	Purple wire	7,000	2.70	2.16	1.84
607-1090A5-28V	C	Green	28VDC	Purple wire	7,000	2.70	2.16	1.84
607-1090C1-12V	E	Red	12VDC	Yellow wire	10,000	2.70	2.16	1.84
607-1090C1-28V	E	Red	28VDC	Purple wire	7,000	2.70	2.16	1.84
607-1090C3-28V	E	Amber	28VDC	Purple wire	7,000	2.70	2.16	1.84
607-1090C5-28V	E	Green	28VDC	Purple wire	7,000	2.70	2.16	1.84
607-1090QC1-28V	F	Red	28VDC	Quick connect	7,000	2.88	2.30	1.96
607-1090QC3-28V	F	Amber	28VDC	Quick connect	7,000	2.88	2.30	1.96
607-1090QC5-28V	F	Green	28VDC	Quick connect	7,000	2.88	2.30	1.96

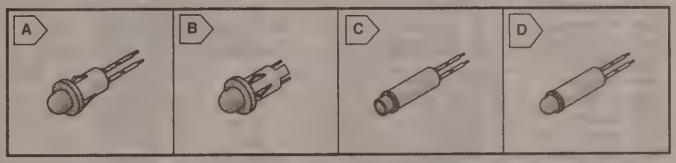
CIRCUIT BOARD PANEL MOUNT LED INDICATORS



For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color	Forward Current (mA) (max.)	Forward Voltage Typ.	Max.	Lumin. Intensity (mcd) (typ)	Rated Cur. (mA)	Peak Wave-length	Price Each 1	25	100
607-5100H1	A	Red	35	2.0	3.0	30.0	20.0	635	1.46	1.18	1.01
607-5100H1LC	A	Red	7	1.8	2.2	2.0	2	635	1.64	1.32	1.13
607-5100H3	A	Amber	35	2	3	20	20	608	1.46	1.18	1.01
607-5100H5	A	Green	30	2.2	3.0	30.0	20.0	562	1.46	1.18	1.01
607-5100H6	A	Blue	50	3.4	3.9	3.0	45	470	2.35	1.83	1.48
607-5100H7	A	Yellow	35	2.1	3.0	25.0	20.0	585	1.46	1.18	1.01
607-5100H7LC	A	Yellow	7	1.9	2.7	2.0	2	585	1.64	1.32	1.13
607-5100H1/5	A	Rd/Grn	10	2.2	2.8	6.0	20.0	650/565	2.26	1.83	1.57
607-5102H1-12V	A	Red	15	12.0	20.0	4.0	13	635	1.31	1.23	1.19
607-5110F1	B	Red	30	2.0	3.0	6.0	10.0	635	1.51	1.22	1.04
607-5110F5	B	Green	30	2.2	3.0	12.0	20.0	562	1.51	1.22	1.04
607-5110F7	B	Yellow	30	2.1	3.0	20.0	20.0	585	1.51	1.22	1.04
607-3990A1	C	Red	30	2.0	3.0	6.0	10.0	635	2.34	1.89	1.62
607-3990A5	C	Green	30	2.2	3.0	12.0	20.0	562	2.34	1.89	1.62
607-5400A1	D	Red	35	2.0	3.0	120.0	20.0	635	2.31	1.87	1.60
607-5400A5	D	Green	35	2.1	2.5	120.0	20.0	555	2.31	1.87	1.60
607-5400A7	D	Yellow	35	2.1	3.0	120.0	20.0	585	2.31	1.87	1.60

LED INDICATORS



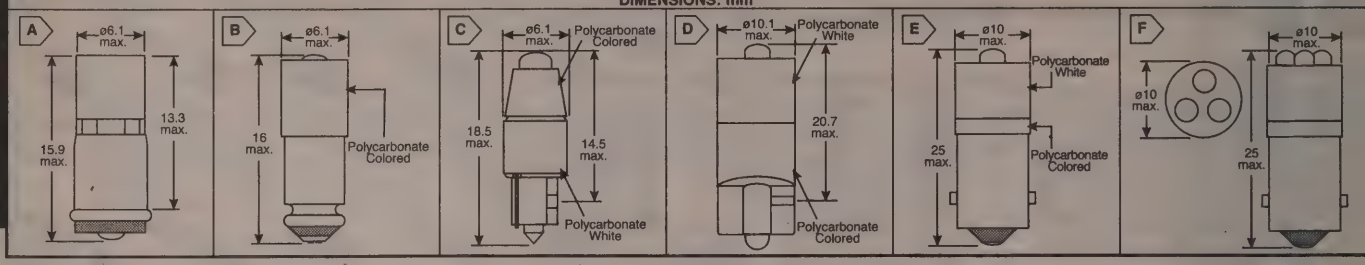
For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color	Voltage (VDC)	Termination	Internal Resis. (Ω)	Mount. Hole Sz.(In.)	Price Each 1	25	100
607-1091M1-12V	A	Red	12	Red/White wire	390	1/2	2.98	2.38	2.02
607-1091M5-12V	A	Green	12	Red/White wire	390	1/2	2.98	2.38	2.02
607-1091M1-24V	A	Red	24	Red/White wire	1,000	1/2	2.98	2.38	2.02
607-1091M5-24V	A	Green	24	Red/White wire	1,000	1/2	2.98	2.38	2.02
607-1091M7-24V	A	Yellow	24	Red/White wire	1,000	1/2	2.98	2.38	2.02
607-1091QM1-12V	B	Red	12	Quick connect	390	1/2	3.15	2.52	2.14
607-1091QM1-24V	B	Red	24	Quick connect	1,000	1/2	3.15	2.52	2.14
607-2191L1-12V	C	Red	12	Red/Black wire	390	5/16	3.00	2.40	2.04
607-2191L5-12V	C	Green	12	Red/Black wire	390	5/16	3.00	2.40	2.04
607-2191L7-12V	C	Yellow	12	Red/Black wire	390	5/16	3.00	2.40	2.04
607-2191L1-24V	C	Red	24	Red/Black wire	1,000	5/16	3.00	2.40	2.04
607-2191L5-24V	C	Green	24	Red/Black wire	1,000	5/16	3.00	2.40	2.04
607-2191L7-24V	C	Yellow	24	Red/Black wire	1,000	5/16	3.00	2.40	2.04
607-2191U1-12V	D	Red	12	22 AWG Wire	390	5/16	3.00	2.40	2.04
607-2191U5-12V	D	Green	12	22 AWG Wire	390	5/16	3.00	2.40	2.04
607-2191U7-12V	D	Yellow	12	22 AWG Wire	390	5/16	3.00	2.40	2.04
607-2191U1-24V	D	Red	24	22 AWG Wire	1,000	5/16	3.00	2.40	2.04
607-2191U5-24V	D	Green	24	22 AWG Wire	1,000	5/16	3.00	2.40	2.04
607-2191U7-24V	D	Yellow	24	22 AWG Wire	1,000	5/16	3.00	2.40	2.04

CHICAGO MINIATURE Incandescent Replacements

CML INNOVATIVE TECHNOLOGIES
WHERE INNOVATION COMES TO LIGHT

DIMENSIONS: mm



Features:
- Extremely High Brightness with Low Current Draw
- Low Heat Generation
- Shock and Vibration Proof
- Five Standard Colors

Specification:
- Long Life: 100K Hours vs. 10K Hours
- Storage Temperature: -25°C to +80°C
- Ambient Temperature: -20°C to +60°C

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Chicago Miniature Part No.	Fig.	Color	Voltage	Current (mA)	Luminous Intensity (mcd)	Wavelength (nm)	Replaces Incandescent No.	Price Each 1	10	100	500
15101 Series												
606-1510125UR3	1510125UR3	A	Red	12DC	14	330	630		4.60	3.22	2.76	2.52
606-1510125UG3	1510125UG3	A	Green	12DC	14	910	525	394,	8.18	5.72	4.91	4.48
606-1510125B3	1510125B3	A	Blue	12DC	14	350	470		8.18	5.72	4.91	4.48
606-1510125W3	1510125W3	A	White Clear	12DC	14	700	–	330, 382	8.18	5.72	4.91	4.48
606-1510125W3D	1510125W3D	A	White Diffused	12DC	14	350	–		8.18	5.72	4.91	4.48
606-1510135UR3	1510135UR3	A	Red	24DC	14	330	630		4.80	3.36	2.88	2.63
606-1510135UG3	1510135UG3	A	Green	24DC	14	910	525	327, 376,	8.38	5.86	5.03	4.59
606-1510135B3	1510135B3	A	Blue	24DC	14	350	470		8.38	5.86	5.03	4.59
606-1510135W3	1510135W3	A	White Clear	24DC	14	700	–	385, 387	8.38	5.86	5.03	4.59
606-1510135W3D	1510135W3D	A	White Diffused	24DC	14	350	–		8.38	5.86	5.03	4.59
15121 Series												
606-1512125UR3	1512125UR3	B	Red	12DC	7/14	330	630		5.20	3.64	3.12	2.85
606-1512125UG3	1512125UG3	B	Green	12DC	7/14	910	525	336,	8.78	6.14	5.27	4.81
606-1512125B3	1512125B3	B	Blue	12DC	7/14	350	470	386,	8.78	6.14	5.27	4.81
606-1512125W3	1512125W3	B	White Clear	12DC	7/14	700	–	393	8.78	6.14	5.27	4.81
606-1512125W3D	1512125W3D	B	White Diffused	12DC	7/14	350	–		8.78	6.14	5.27	4.81
606-1512135UR3	1512135UR3	B	Red	24DC	7/14	330	630		5.35	3.75	3.21	2.93
606-1512135UG3	1512135UG3	B	Green	24DC	7/14	910	525	276,	8.93	6.25	5.36	4.89
606-1512135B3	1512135B3	B	Blue	24DC	7/14	350	470	334,	8.93	6.25	5.36	4.89
606-1512135W3	1512135W3	B	White Clear	24DC	7/14	700	–	388	8.93	6.25	5.36	4.89
606-1512135W3D	1512135W3D	B	White Diffused	24DC	7/14	350	–		8.93	6.25	5.36	4.89
1511A Series												
606-1511A25UR3	1511A25UR3	C	Red	12AC/DC	6/12	280	630		5.35	3.75	3.21	2.93
606-1511A25UG3	1511A25UG3	C	Green	12AC/DC	6/12	780	525	18, 37,	8.93	6.25	5.36	4.89
606-1511A25B3	1511A25B3	C	Blue	12AC/DC	6/12	300	470	70, 73,	8.93	6.25	5.36	4.89
606-1511A25W3	1511A25W3	C	White Clear	12AC/DC	6/12	600	–	74	8.93	6.25	5.36	4.89
606-1511A25W3D	1511A25W3D	C	White Diffused	12AC/DC	6/12	300	–		8.93	6.25	5.36	4.89
606-1511A35UR3	1511A35UR3	C	Red	24AC/DC	5/10	230	630		5.35	3.75	3.21	2.93
606-1511A35UG3	1511A35UG3	C	Green	24AC/DC	5/10	650	525		8.93	6.25	5.36	4.89
606-1511A35B3	1511A35B3	C	Blue	24AC/DC	5/10	250	470	17, 85	8.93	6.25	5.36	4.89
606-1511A35W3	1511A35W3	C	White Clear	24AC/DC	5/10	500	–		8.93	6.25	5.36	4.89
606-1511A35W3D	1511A35W3D	C	White Diffused	24AC/DC	5/10	250	–		8.93	6.25	5.36	4.89
1511B Series												
606-1511B25UR3	1511B25UR3	D	Red	12AC/DC	7/14	330	630	192, 124,	5.35	3.75	3.21	2.93
606-1511B25UG3	1511B25UG3	D	Green	12AC/DC	7/14	910	525	158, 161,	8.93	6.25	5.36	4.89
606-1511B25B3	1511B25B3	D	Blue	12AC/DC	7/14	350	470	168, 184,	8.93	6.25	5.36	4.89
606-1511B25W3	1511B25W3	D	White Clear	12AC/DC	7/14	700	–	193, 194,	8.93	6.25	5.36	4.89
606-1511B25W3D	1511B25W3D	D	White Diffused	12AC/DC	7/14	350	–	658	8.93	6.25	5.36	4.89
606-1511B35UR3	1511B35UR3	D	Red	24AC/DC	7/14	330	630		5.35	3.75	3.21	2.93
606-1511B35UG3	1511B35UG3	D	Green	24AC/DC	7/14	910	525	152, 400,	8.93	6.25	5.36	4.89
606-1511B35B3	1511B35B3	D	Blue	24AC/DC	7/14	350	470	464, 585,	8.93	6.25	5.36	4.89
606-1511B35W3	1511B35W3	D	White Clear	24AC/DC	7/14	700	–	655, 656,	8.93	6.25	5.36	4.89
606-1511B35W3D	1511B35W3D	D	White Diffused	24AC/DC	7/14	350	–	657	8.93	6.25	5.36	4.89
18602 Series												
606-18602250	18602250	E	Red	12AC/DC	15	350	630		5.88	4.11	3.53	3.22
606-18602251	18602251	E	Green	12AC/DC	15	1000	525	12MB, 181,	9.53	6.67	5.72	5.22
606-18602252	18602252	E	Yellow	12AC/DC	15	300	587	756, 1488,	5.88	4.11	3.53	3.22
606-18602257	18602257	E	Blue	12AC/DC	15	400	470	1815, 1894,	9.53	6.67	5.72	5.22
606-1860225W3	1860225W3	E	White Clear	12AC/DC	15	750	–	1889, 7191,	9.53	6.67	5.72	5.22
606-1860225W3D	1860225W3D	E	White Diffused	12AC/DC	15	375	–	1893, 1898	9.53	6.67	5.72	5.22
606-18602350	18602350	E	Red	24AC/DC	15	350	630		5.88	4.11	3.53	3.22
606-18602351	18602351	E	Green	24AC/DC	15	1000	525	24MB,	9.53	6.67	5.72	5.22
606-18602357	18602357	E	Blue	24AC/DC	15	400	470	1437,	9.53	6.67	5.72	5.22
606-1860235W3	1860235W3	E	White Clear	24AC/DC	15	750	–	1818	9.53	6.67	5.72	5.22
606-1860235W3D	1860235W3D	E	White Diffused	24AC/DC	15	375	–		9.53	6.67	5.72	5.22
606-18602450	18602450	E	Red	28AC/DC	15	350	630	313, 757,	5.88	4.11	3.53	3.22
606-18602451	18602451	E	Green	28AC/DC	15	1000	525	1437, 1819,	9.53	6.67	5.72	5.22
606-18602457	18602457	E	Blue	28AC/DC	15	400	470	1820, 1929,	9.53	6.67	5.72	5.22
606-1860245W3	1860245W3	E	White Clear	28AC/DC	15	750	–	1843, 1864,	9.53	6.67	5.72	5.22
606-1860245W3D	1860245W3D	E	White Diffused	28AC/DC	15	375	–	1873	9.53	6.67	5.72	5.22
18620 Series												
606-18620350	18620350	F	Red	24AC/DC	9/17	3 x 400	630		12.10	8.47	7.26	6.63
606-18620351	18620351	F	Green	24AC/DC	5/10	3 x 680	525	24MB,	22.70	15.89	13.62	12.44
606-18620357	18620357	F	Blue	24AC/DC	9/17	3 x 450	470	1437,	22.70	15.89	13.62	12.44
606-1862035W3	1862035W3	F	White Clear	24AC/DC	9/17	3 x 850	–	1818	22.70	15.89	13.62	12.44
606-1862035W3D	1862035W3D	F	White Diffused	24AC/DC	9/17	3 x 425	–		22.70	15.89	13.62	12.44
606-18620450	18620450	F	Red	28AC/DC	9/17	3 x 400	630	313, 757,	12.10	8.47	7.26	6.63
606-18620451	18620451	F	Green	28AC/DC	5/10	3 x 680	525	1437, 1819,	22.70	15.89	13.62	12.44
606-18620457	18620457	F	Blue	28AC/DC	9/17	3 x 450	470	1820, 1929,	22.70	15.89	13.62	12.44
606-1862045W3	1862045W3	F	White Clear	28AC/DC	9/17	3 x 850	–	1843, 1864,	22.70	15.89	13.62	12.44
606-1862045W3D	1862045W3D	F	White Diffused	28AC/DC	9/17	3 x 425	–	1873	22.70	15.89	13.62	12.44

MOUSER ELECTRONICS a tti company
(800) 346-6873

CHICAGO MINIATURE Incandescent Lamps

CML INNOVATIVE TECHNOLOGIES WHERE INNOVATION COMES TO LIGHT

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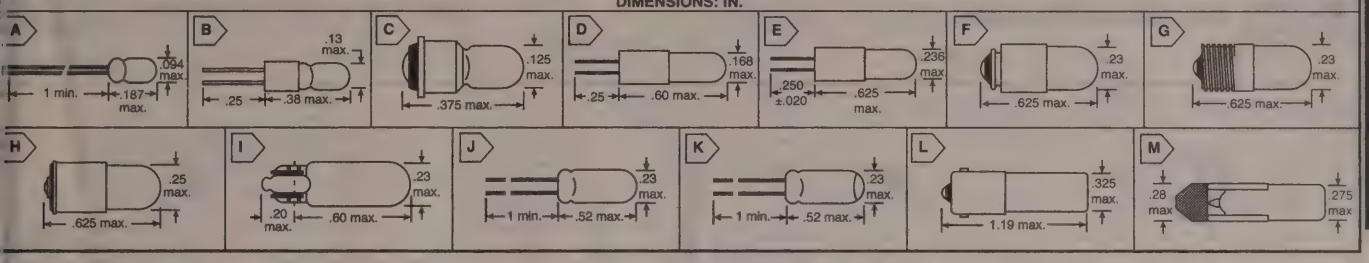

T-3/4 Wire Terminal Lamps

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
6833	606-CM6833	A	5.0	.060	.050	25,000	1.46	1.27	1.22
6833AS15	606-CM6833AS15	A	5.0	.060	.050	25,000	1.54	1.34	1.24
7153	606-CM7153	A	5.0	.115	.150	40,000	1.51	1.31	1.26
7153AS15	606-CM7153AS15	A	5.0	.115	.150	40,000	1.58	1.37	1.31

T-1 Bi-Pin Base (.05" Spacing)

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
7265	606-CM7265	B	5.0	.060	.150	5,000	1.99	1.73	1.66
7680	606-CM7680	B	5.0	.060	.030	60,000	1.90	1.64	1.58
7683	606-CM7683	B	5.0	.060	.050	25,000	1.53	1.32	1.27
7715	606-CM7715	B	5.0	.115	.150	40,000	1.83	1.59	1.53
7839	606-CM7839	B	28.0	.024	.150	4,000	2.17	1.88	1.81

T-1 Bi-Pin Base (.100" Spacing)

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
8-2402	606-CM8-2402	B	28.0	.024	.150	4,000	6.28	5.44	5.24

T-1 Sub-Midget Flange Base

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
682	606-CM682	C	5.0	.060	.030	60,000	1.93	1.67	1.61
685	606-CM685	C	5.0	.060	.050	25,000	2.22	1.92	1.85
718	606-CM718	C	5.0	.115	.150	40,000	2.03	1.76	1.69
6839	606-CM6839	C	28.0	.024	.130	4,000	2.10	1.82	1.75

T-1 Wire Terminal (.145" Height)

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
7152	606-CM7152	A	5.0	.115	.150	40,000	1.22	1.06	1.02
7152AS15	606-CM7152AS15	A	5.0	.115	.150	40,000	1.51	1.31	1.26

T-1 Wire Terminal (.25" Height)

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
680	606-CM680	A	5.0	.060	.030	60,000	1.11	.96	.92
683	606-CM683	A	5.0	.060	.050	25,000	1.08	.93	.90
683AS15	606-CM683AS15	A	5.0	.060	.050	25,000	1.16	1.00	.96
715	606-CM715	A	5.0	.115	.150	40,000	1.19	1.03	.99
715AS15	606-CM715AS15	A	5.0	.115	.150	40,000	1.27	1.10	1.06
7219	606-CM7219	A	12.0	.060	.150	10,000	.35	.29	.27
7220	606-CM7220	A	18.0	.026	.150	10,000	.55	.48	.46
6838	606-CM6838	A	28.0	.024	.150	4,000	1.70	1.48	1.42

T-1 1/4 Bi-Pin Base (.100" Spacing)

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
7646	606-CM7646	D	14.0	.080	.500	1,000	2.49	2.16	2.08
7632	606-CM7632	D	28.0	.040	.320	1,000	2.49	2.16	2.08

T-1 3/4 Bi-Pin Base (.125" Spacing)

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
7361	606-CM7361	E	5.0	.060	.050	25,000	1.54	1.33	1.28
7328	606-CM7328	E	6.0	.200	.600	1,000	1.21	1.05	1.01
7377	606-CM7377	E	6.3	.075	.230	1,000	1.21	1.05	1.01
7381	606-CM7381	E	6.3	.200	.400	20,000	1.08	.93	.90
7371	606-CM7371	E	12.0	.040	.120	10,000	1.14	.99	.95
7373	606-CM7373	E	14.0	.100	.500	10,000	1.08	.94	.90
7382	606-CM7382	E	14.0	.080	.300	15,000	1.09	.95	.91
7327	606-CM7327	E	28.0	.040	.340	4,000	.95	.82	.79
7374	606-CM7374	E	28.0	.040	.150	10,000	1.22	1.06	1.02
7387	606-CM7387	E	28.0	.040	.300	7,000	.96	.84	.80
7876	606-CM7876	E	28.0	.060	.340	25,000	1.11	.96	.92

T-1 3/4 Midget Groove Base

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
379	606-CM379	F	6.3	.200	.400	20,000	1.16	1.00	.96
336	606-CM336	F	14.0	.080	.500	1,500	1.11	.96	.92
386	606-CM386	F	14.0	.080	.300	15,000	1.11	.96	.92
334	606-CM334	F	28.0	.040	.340	4,000	.95	.82	.79
388	606-CM388	F	28.0	.040	.300	7,000	1.14	.99	.95

T-1 3/4 Midget Screw Base

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
1769	606-CM1769	G	2.5	.200	.200	5,000	1.09	.95	.91
373	606-CM373	G	14.0	.080	.500	1,500	1.19	1.03	.99
8362	606-CM8362	G	14.0	.080	.300	15,000	1.09	.95	.91
335	606-CM335	G	28.0	.040	.340	4,000	.98	.85	.82
399	606-CM399	G	28.0	.040	.300	7,000	1.06	.92	.88

T-1 3/4 Midget Flange Base

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
338	606-CM338	H	2.7	.060	.040	6,000	1.01	.88	.84
3150	606-CM3150	H	5.0	.060	.150	5,000	1.37	1.18	1.14
7333	606-CM7333	H	5.0	.060	.050	25,000	.93	.81	.78
7335	606-CM7335	H	5.0	.115	.150	40,000	.93	.81	.78
328	606-CM328	H	6.0	.200	.600	1,000	.93	.81	.78
345	606-CM345	H	6.0	.040	.030	1,000	.98	.85	.82
349	606-CM349	H	6.3	.200	.550	5,000	.90	.78	.75
381	606-CM381	H	6.3	.200	.400	20,000	1.27	1.10	1.06
344	606-CM344	H	10.0	.014	.002	50,000	1.32	1.14	1.10
367	606-CM367	H	10.0	.040	.080	5,000	1.13	.98	.94
394	606-CM394	H	12.0	.040	.120	10,000	1.01	.88	.84
330	606-CM330	H	14.0	.080	.500	1,500	.66	.57	.55
382	606-CM382	H	14.0	.080	.300	15,000	.91	.79	.76
8918	606-CM8918	H	14.0	.100	.500	10,000	1.06	.92	.88
370	606-CM370	H	18.0	.040	.150	10,000	1.19	1.03	.99
327	606-CM327	H	28.0	.040	.340	4,000	.50	.43	.42
376	606-CM376	H	28.0	.060	.340	25,000	.79	.68	.66
385	606-CM385	H	28.0	.040	.150	10,000	.90	.78	.75
387	606-CM387	H	28.0	.040	.300	7,000	.47	.40	.39
7341	606-CM7341	H	28.0	.065	.650	5,000	.95	.82	.79

T-1 3/4 Wedge Base

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
86	606-CM86	I	6.3	.200	.400	20,000	.74	.64	.62
73	606-CM73	I	14.0	.080	.300	15,000	.61	.53	.51
85	606-CM85	I	28.0	.040	.300	7,000	.58	.50	.48

T-1 3/4 Wire Terminal

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
2182	606-CM2182	J	14.0	.080	.300	40,000	.53	.46	.44
1764	606-CM1764	J	28.0	.040	.340	4,000	.61	.53	.51
2187	606-CM2187	J	28.0	.040	.300	7,000	.56	.49	.47

TL-1 3/4 Wire Terminal, Lens End

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	(Hrs) Life	Price Each 1	10	100
8-374	606-CM8-374	K	2.5	.350	3,000	5.67	4.92	4.73

T-2 Miniature Bayonet Base

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	End Foot Candles	(Hrs) Life	Price Each 1	10	100
24MB	606-CM24MB	L	24.0	.073	3000	1,000	1.41	1.23	1.18
28MB	606-CM28MB	L	28.0	.040	1600	5,000	1.41	1.23	1.18
60MB	606-CM60MB	L	60.0	.050	2200	7,500	1.51	1.31	1.26
120MB	606-CM120MB	L	120.0	.025	1200	5,000	1.14	.99	.95
8-967	606-CM8-967	L	120.0	.025	1200	5,000	4.88	4.23	4.07

T-2 Telephone Slide Base-Type 5 (.915" Height)

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	End Foot Candles	(Hrs) Life	Price Each 1	10	100
10ESB	606-CM10ESB	M	10.0	.035	450	1,000	1.00	.86	.83
12ESB	606-CM12ESB	M	12.0	.040	650	7,500	1.25	1.09	1.05
16ESB	606-CM16ESB	M	16.0	.040	800	7,500	1.22	1.06	1.02
18ESB	606-CM18ESB	M	18.0	.040	850	5,000	1.30	1.13	1.08
24ESB	606-CM24ESB	M	24.0	.040	850	8,000	1.30	1.13	1.08
28ESB	606-CM28ESB	M	28.0	.040	1500	6,000	1.24	1.07	1.03
48ESB	606-CM48ESB	M	48.0	.040	3000	5,000	1.35	1.17	1.13

T-2 Telephone Slide Base-Type 5 (1.115" Height)

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	End Foot Candles	(Hrs) Life	Price Each 1	10	100
6PSB	606-CM6PSB	M	6.0	.140	550	20,000	1.32	1.14	1.10
12PSB	606-CM12PSB	M	12.0	.170	2000	12,000	1.19	1.03	.99
24PSB	606-CM24PSB	M	24.0	.073	3000	10,000	.92	.79	.76
28PSB	606-CM28PSB	M	28.0	.040	1600	5,000	.92	.79	.76
48PSB	606-CM48PSB	M	48.0	.053	1800	10,000	1.27	1.10	1.06
60PSB	606-CM60PSB	M	60.0	.050	2200	7,500	1.27	1.10	1.06
120PSB	606-CM120PSB	M	120.0	.025	1200	5,000	1.01	.88	.84

CHICAGO MINIATURE Incandescent and Neon Lamps

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INCANDESCENT LAMPS

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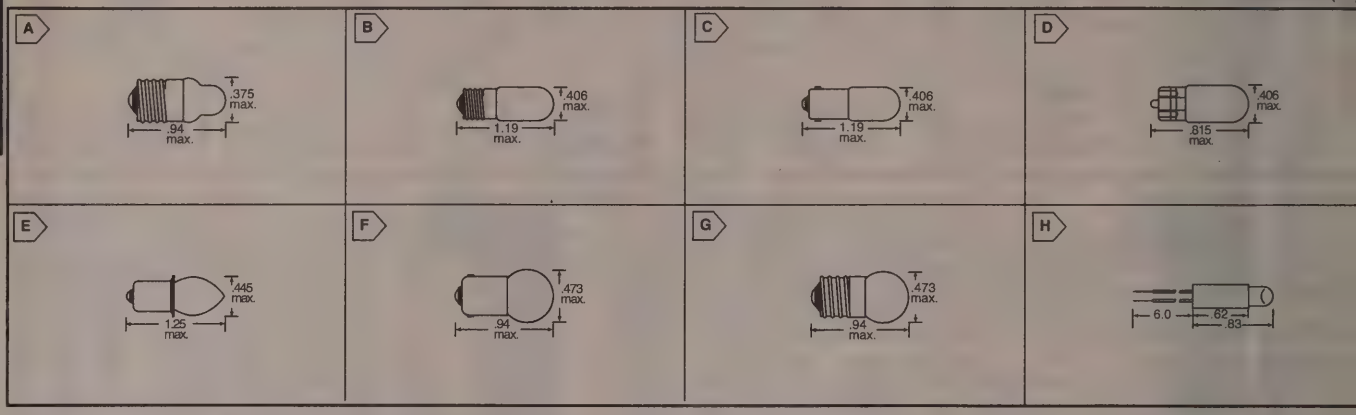


For quantities of 500 and up, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
GTL-3 Miniature Screw Base, Lens End									
222	606-CM222	A	2.25	.250	–	5	.76	.66	.63
T-3 1/4 Miniature Screw Base									
40	606-CM40	B	6.3	.150	.500	3,000	.71	.61	.59
46	606-CM46	B	6.3	.250	.900	3,000	.87	.75	.72
1821	606-CM1821	B	28.0	.170	3.400	500	2.22	1.92	1.85
1823	606-CM1823	B	48.0	.100	3.000	1,000	1.98	1.71	1.65
T-3 1/4 Miniature Bayonet Base									
49	606-CM49	C	2.0	.060	.040	1,000	.96	.84	.80
43	606-CM43	C	2.5	.500	.500	3,000	.93	.81	.78
1850	606-CM1850	C	5.0	.090	.250	1,500	1.88	1.63	1.57
44	606-CM44	C	6.3	.250	.900	3,000	.41	.35	.34
47	606-CM47	C	6.3	.150	.500	3,000	.48	.43	.38
755	606-CM755	C	6.3	.150	.330	20,000	.88	.77	.74
1847	606-CM1847	C	6.3	.150	.380	5,000	.70	.65	.59
1866	606-CM1866	C	6.3	.250	.650	5,000	.76	.66	.63
1816	606-CM1816	C	13.0	.330	3.00	1,000	.72	.63	.60
756	606-CM756	C	14.0	.080	.310	15,000	1.04	.90	.87
1815	606-CM1815	C	14.0	.200	1.40	3,000	.98	.85	.82
1891	606-CM1891	C	14.0	.240	2.000	500	.60	.54	.52
1893	606-CM1893	C	14.0	.330	2.000	7,500	.60	.52	.50
1813	606-CM1813	C	14.4	.100	.860	1,000	.66	.57	.55
1892	606-CM1892	C	14.4	.120	.750	1,000	.87	.75	.72
1818	606-CM1818	C	24.0	.170	3.300	250	2.17	1.88	1.81
313	606-CM313	C	28.0	.170	3.500	500	.87	.75	.72
757	606-CM757	C	28.0	.080	.620	7,500	.80	.70	.67
1819	606-CM1819	C	28.0	.040	.3400	2,500	.79	.68	.66
1820	606-CM1820	C	28.0	.100	1.60	1,000	.79	.68	.66
1829	606-CM1829	C	28.0	.070	1.00	1,000	.74	.64	.62
1864	606-CM1864	C	28.0	.170	3.000	1,500	.87	.75	.72
1822	606-CM1822	C	36.0	.100	2.100	1,000	1.01	.88	.84
1828	606-CM1828	C	37.5	.050	.650	3,000	2.09	1.81	1.74
1835	606-CM1835	C	55.0	.050	1.100	5,000	2.38	2.06	1.98
8-3995	606-CM8-3995	C	130.0	.020	.200	2,000	1.04	.94	.86

For quantities of 500 and up, call for quote

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
T-3 1/4 Wedge Base									
259	606-CM259	D	6.30	.250	.650	5,000	.51	.45	.43
161	606-CM161	D	14.0	.190	1.000	1,500	.71	.61	.59
168	606-CM168	D	14.0	.350	3.000	1,500	.64	.56	.54
194	606-CM194	D	14.0	.270	2.000	1,500	.50	.43	.42
656	606-CM656	D	28.0	.060	.620	2,500	.66	.57	.55
B-3 1/2 Miniature Bayonet Base									
PR4	606-PR4	E	2.33	.270	.400	10	.66	.57	.55
PR2	606-PR2	E	2.38	.500	.800	15	.64	.56	.54
PR6	606-PR6	E	2.47	.300	.450	30	.66	.57	.55
PR3	606-PR3	E	3.57	.500	1.500	15	.66	.57	.55
PR7	606-PR7	E	3.70	.300	.900	30	.79	.68	.66
G-3 1/2 Miniature Bayonet Base									
219	606-CM219	F	6.3	.250	.500	5,000	2.06	1.78	1.71
51	606-CM51	F	7.5	.220	1.000	1,000	.77	.67	.64
53	606-CM53	F	14.4	.120	1.000	1,000	.80	.69	.67
1450	606-CM1450	F	24.0	.035	.230	3,000	1.30	1.13	1.08
G-3 1/2 Miniature Screw Base									
14	606-CM14	H	2.47	.300	.500	15	1.83	1.59	1.53
13	606-CM13	H	3.70	.300	.980	15	1.56	1.35	1.30
50	606-CM50	H	7.50	.220	1.000	1,000	1.06	.92	.88

CM 20 Series Lens End Assemblies

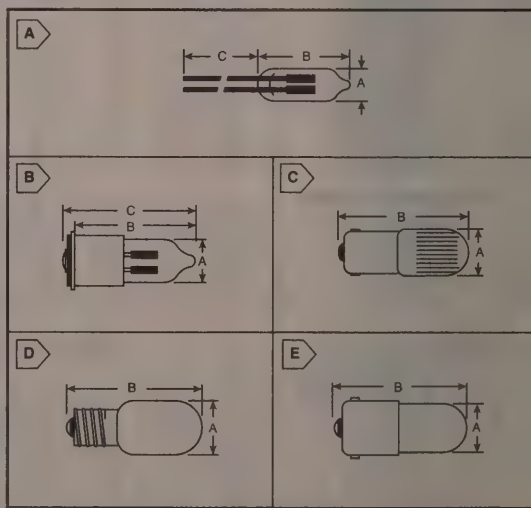
For quantities of 500 and up, call for quot

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each 1	10	100
CM20-4	606-CM20-4	I	2.5	TL-1 3/4	.350	10,000	19.31	16.73	16.09

NEON LAMPS

For quantities of 500 and up, call for quote.

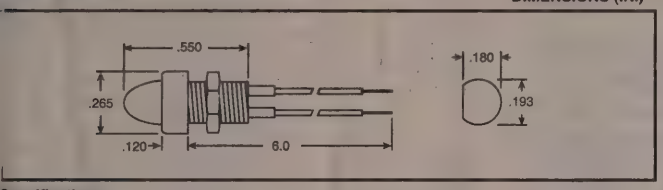
MOUSER STOCK NO.	Fig.	Type	Lamp Size	Breakdown Voltage (max.) AC/DC	Design Current (mA)	Dimensions (In.) A (max.)	B (max.)	C (min.)	Price Each 1	10	100
606-2ML	A	NE-38S	T-1 1/4	65/90	.300	.156	.395	1.000	.90	.78	.75
606-A1A	A	NE-2	T-2	65/90	.600	.244	1.000	1.000	.38	.33	.32
606-A1B	A	- - - -	T-2	65/90	.300	.244	1.000	1.000	.36	.31	.30
606-A2B	A	NE-2V	T-2	65/90	.700	.244	.980	1.000	.50	.43	.41
606-A9A	A	NE-2E	T-2	65/90	.700	.244	.750	2.000	.34	.30	.29
606-A1C	A	- - - -	T-2	95/135	1.200	.244	.500	1.000	.40	.35	.33
606-A2A	A	- - - -	T-2	65/90	.700	.244	.750	2.000	.50	.43	.41
606-C2A	A	NE-2H	T-2	95/135	1.900	.244	.750	2.000	.42	.36	.35
606-C2A-T	A	NE-2HT	T-2	95/135	1.900	.244	.750	2.000	.50	.43	.41
606-A1G	B	- - - -	T-2	65/90	.300	.250	.525	.625	2.84	2.46	2.34
606-A1H	B	- - - -	T-2	95/135	1.200	.250	.525	.625	2.90	2.51	2.42
606-C7A	B	NE-2D	T-2	65/90	.700	.250	.828	.938	2.61	2.27	2.18
606-C9A	B	NE-2J	T-2	95/135	1.900	.250	.828	.938	2.40	2.08	2.00
606-B1A	C	NE-51	T-3 1/4	65/90	.300	.430	1.188	- - - - -	.99	.86	.83
606-B2A	C	NE-51H	T-3 1/4	95/135	1.200	.430	1.188	- - - - -	.99	.86	.83
606-B2A-R	C	NE-51HR	T-3 1/4	95/135	1.200	.430	1.188	- - - - -	3.42	2.96	2.85
606-B7A	D	NE-45	T-4 1/2	65/90	2.000	.588	1.530	- - - - -	6.12	5.31	5.10
606-B6A	E	NE-21	T-4 1/2	65/90	2.000	.588	1.500	- - - - -	6.57	5.69	5.47



CHICAGO MINIATURE Indicators and Lamp Holders

ASTROLITE LED INDICATORS

DIMENSIONS (IN.)



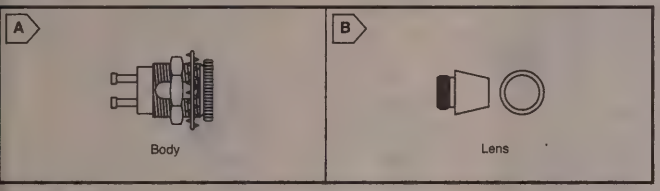
Specifications:

- Mounting hole: .193"
- Mounting centers: .334" min.
- Panel thickness: .188"
- Bezel/Shank: chrome plated brass
- Hex nut: nickel plated brass
- Wire leads: 26AWG stranded, 105°C PVC insulation

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 10mA(mcd)		Peak Wave-Length (nm)	Price Each		
	LED	Lens	Typ.	Max.	Min.	Typ.		1	10	100
606-6039-004-304R	Hi-eff red	Red diff	1.6	2.0	.4	1.5	630	4.98	4.32	4.15
606-6039-004-304G	Hi-eff grn	Green diff	2.2	3.0	2.0	12.0	565	4.98	4.32	4.15
606-6039-004-304Y	Yellow	Yel diff	2.1	3.0	1.5	8.0	585	4.98	4.32	4.15

GEMLITE SUBMIDGET INDICATORS



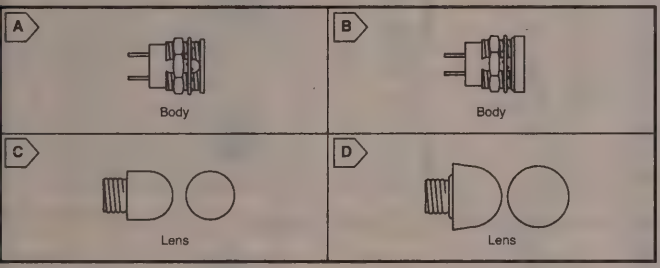
Specifications:

- Mounting hole: .313"
- Mounting centers: .469" min.
- Panel thickness: .218" max.
- Lockwasher: nickel plated bronze
- Hex nut: nickel plated brass
- Lens: high temperature lexan
- Lens shank: nickel plated brass
- Housing material: black nickel plated brass
- Electrical rating: up to 30V, up to 1W

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
606-5160-458	A	T-1 sub-midget flange base indicator, body	9.43	8.17	7.86
606-160A-604R	B	Translucent red lens for 5160-48, lens	1.49	1.29	1.24
606-160A-604G	B	Translucent green lens for 5160-48, lens	1.49	1.29	1.24
606-160A-604Y	B	Translucent yellow lens for 5160-48, lens	1.49	1.29	1.24
606-160A-604W	B	Translucent white lens for 5160-48, lens	1.49	1.29	1.24

MIDGET FLANGE RELAMPABLE INDICATORS



Specifications:

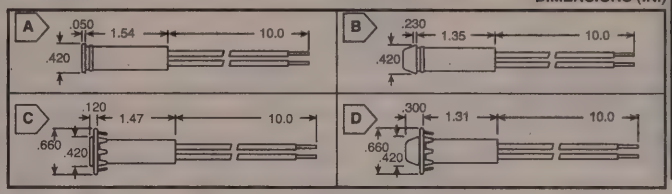
- Mounting hole: .484"
- Mounting centers: .750" min.
- Panel thickness: standard=.265" watertight=.188"
- Terminals: tin plated brass
- Housing material: black anodized alum.
- Hex nut/lockwasher: chrome treated steel
- O-rings (5139 only): neoprene
- Electrical rating: up to 30V, up to 2W
- Lens: high temperature lexan

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
606-5131-038	A	T-1 3/4 midget flange standard indicator	4.27	3.75	3.63
606-5139-038	B	T-1 3/4 midget flange watertight indicator	5.82	5.05	4.85
606-131A-303R	C	Transparent red lens for 5131-038	1.59	1.38	1.33
606-131A-303A	C	Transparent amber lens for 5131-038	1.59	1.38	1.33
606-131A-303G	C	Transparent green lens for 5131-038	1.59	1.38	1.33
606-131A-304R	C	Translucent red lens for 5131-038	1.59	1.38	1.33
606-131A-304G	C	Translucent green lens for 5131-038	1.59	1.38	1.33
606-131A-304Y	C	Translucent yellow lens for 5131-038	1.59	1.38	1.33
606-139A-404G	D	Translucent green lens for 5139-038	2.20	1.91	1.84
606-139A-404R	D	Translucent red lens for 5139-038	2.20	1.91	1.84
606-139A-404Y	D	Translucent yellow lens for 5139-038	2.20	1.91	1.84

GLO-LITE NEON INDICATORS

DIMENSIONS (IN.)



Specifications:

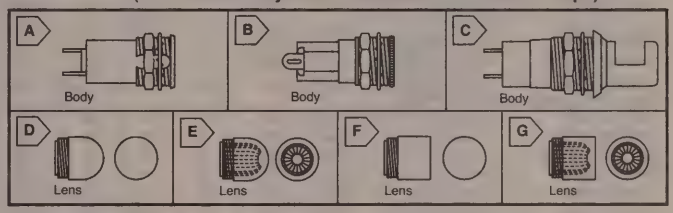
- Mounting hole: 6063 Series - .375" / 6073 Series - .500"
- Mounting centers: 6063 Series - .500" / 6073 Series - .688"
- Panel thickness: 6063 Series - 1.25" / 6073 Series - .078"
- Bezel (6073 only): chrome plated brass
- Wire leads: 22AWG stranded black 105°C PVC
- Electrical: 125VAC, built-in 30KΩ 1/4W resistor
- UL Recognized, CSA Certified

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color	Description	Price Each		
				1	10	100
606-6063-001-534R	A	Red	Flat face with no bezel	2.75	2.38	2.29
606-6063-001-634R	B	Red	Conical face with no bezel	2.75	2.38	2.29
606-6073-001-534R	C	Red	Flat face with chrome bezel	3.80	3.29	3.16
606-6073-001-634R	D	Red	Conical face with chrome bezel	3.80	3.29	3.16
606-6073-001-634W	D	White	Conical face with chrome bezel	3.80	3.29	3.16

T-2 AND T-3 1/4 MINIATURE RELAMPABLE INDICATORS

(For use with Bayonet Incandescent and Neon Lamps)



Specifications:

- Mounting hole: .688"
- Mounting centers: .969" min.
- Panel thickness: .406" max.
- Lockwasher: chromate treated steel
- Housing material: 5100 Series - glass filled polyester
  5200 Series - phenolic
  900-200 Series - black anodized aluminum
- Hex nut: zinc plated steel
- Lens (5100 and 5200 Series): high temperature lexan

Body

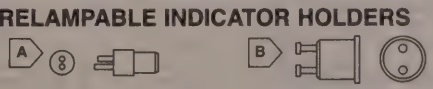
For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
606-5100-822	A	Solder lug terminals, no resistor	3.18	2.76	2.65
606-5100-823	A	Screw type terminals, no resistor	5.32	4.64	4.46
606-5100-824	A	.250" quick connect terminals, no resistor	5.09	4.41	4.24
606-5200-222	B	Solder lug terminals, no resistor	7.07	6.09	5.92
606-5200-232	B	Solder lug terminals, 22KΩ resistor	13.39	11.61	11.16
606-5200-242	B	Solder lug terminals, 100KΩ resistor	13.66	11.84	11.38
606-900-200	C	Instrument lite, solder lug terminals	15.39	13.34	12.82

Lenses (for 606-5100 and 606-5200 series, shown above) **For quantities of 500 or more, call for quote.**

606-25P-306R	D	Transparent red dome	1.01	.88	.85
606-25P-306A	D	Transparent amber dome	1.01	.88	.85
606-25P-306G	D	Transparent green dome	1.01	.88	.85
606-25P-306C	D	Transparent clear dome	1.01	.88	.85
606-25P-307R	D	Translucent red dome	1.01	.88	.85
606-25P-307G	D	Translucent green dome	1.01	.88	.85
606-25P-307Y	D	Translucent yellow dome	1.01	.88	.85
606-25P-307W	D	Translucent white dome	1.01	.88	.85
606-25P-326R	E	Transparent red fluted dome	1.01	.88	.85
606-25P-326A	E	Transparent amber fluted dome	1.01	.88	.85
606-25P-326G	E	Transparent green fluted dome	1.01	.88	.85
606-25P-326C	E	Transparent clear fluted dome	1.01	.88	.85
606-25P-606A	F	Transparent amber cylindrical	1.01	.88	.85
606-25P-606R	F	Transparent red cylindrical	1.01	.88	.85
606-25P-606G	F	Transparent green cylindrical	1.01	.88	.85
606-25P-606C	F	Transparent clear cylindrical	1.01	.88	.85
606-25P-607R	F	Translucent red cylindrical	1.01	.88	.85
606-25P-607G	F	Translucent green cylindrical	1.01	.88	.85
606-25P-607Y	F	Translucent yellow cylindrical	1.01	.88	.85
606-25P-607W	F	Translucent white cylindrical	1.01	.88	.85
606-25P-626R	G	Transparent red fluted cylindrical	1.01	.88	.85
606-25P-626A	G	Transparent amber fluted cylindrical	1.01	.88	.85
606-25P-626G	G	Transparent green fluted cylindrical	1.01	.88	.85
606-25P-626C	G	Transparent clear fluted cylindrical	1.01	.88	.85

RELAMPABLE INDICATOR HOLDERS



For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
606-CM21-1	A	T-3/4 & T-1 bi-pin base lamp socket	4.86	4.21	4.05
606-CM21-2	B	T-1 3/4 bi-pin base lamp socket	5.44	4.71	4.53

DIALIGHT LED Panel Mount Indicators & Replacement Lamps

Dialight

DIALIGHT T-3 1/4 AND T-1 3/4 LED REPLACEMENT LAMPS

- Replacement Lamps are non-polarized multi-chip and cluster LEDs, which are direct replacements to incandescent lamps.

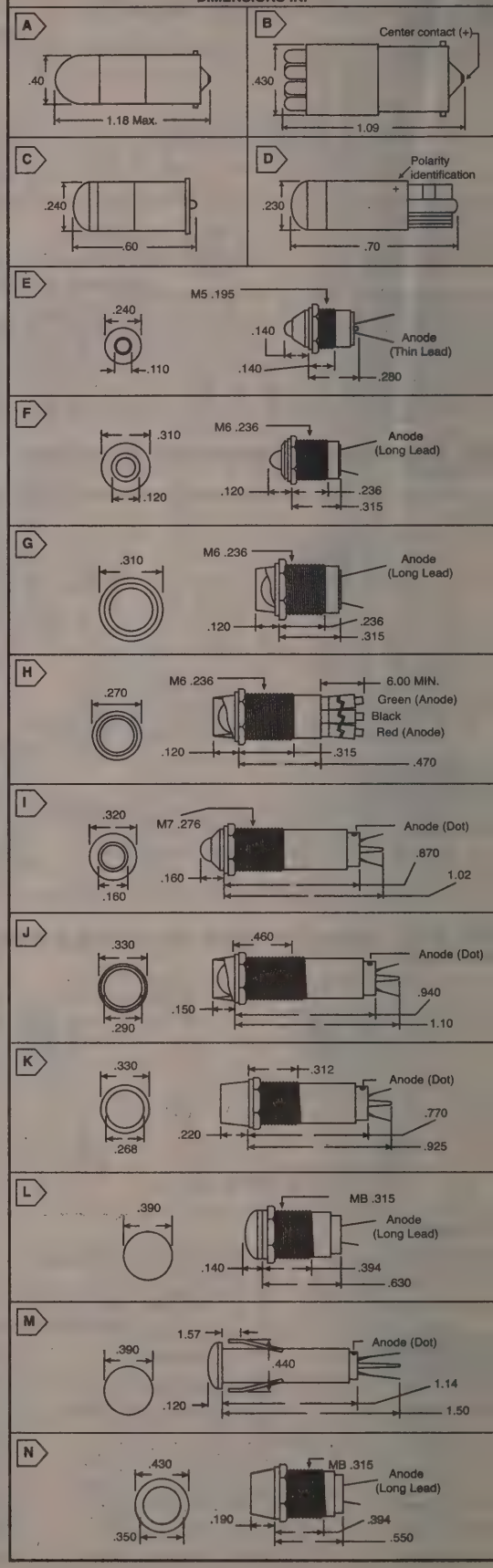
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	Peak Wave-length	Voltage	mA	mcd	Price Each 1	10	50	100
Multi-Chip Bayonet Base (T-3 1/4)											
645-585-4123	585-4123	A	Red	630	14	30	38	9.90	8.25	7.43	6.60
645-585-4223	585-4223	A	Ultra Red	660	14	30	60	10.50	8.75	7.88	7.00
645-585-4323	585-4323	A	Green	565	14	28	70	9.90	8.25	7.43	6.60
645-585-4125	585-4125	A	Red	630	28	15	38	9.90	8.25	7.43	6.60
645-585-4225	585-4225	A	Ultra Red	660	28	16	64	10.50	8.75	7.88	7.00
645-585-4325	585-4325	A	Green	565	28	15	75	9.90	8.25	7.43	6.60
Cluster Bayonet Base (T-3 1/4)											
645-585-5223	585-5223	B	Ultra Red	660	14	40	480	22.50	18.75	16.88	15.00
645-585-5323	585-5323	B	Green	565	14	40	420	20.55	17.13	15.41	13.70
645-585-5423	585-5423	B	Yellow	525	14	40	420	20.55	17.13	15.41	13.70
645-585-5523	585-5523	B	Bright Yell	592	14	60	1800	23.55	19.63	17.66	15.70
645-585-5225	585-5225	B	Ultra Red	660	28	20	560	22.50	18.75	16.88	15.00
645-585-5325	585-5325	B	Green	565	28	20	490	20.55	17.13	15.41	13.70
645-585-5425	585-5425	B	Yellow	585	28	20	490	20.55	17.13	15.41	13.70
645-585-5525	585-5525	B	Bright Yell	592	28	30	2100	23.55	19.63	17.66	15.70
645-585-5256	585-5256	B	Ultra Red	660	120VAC	9	252	18.00	15.00	13.50	12.00
645-585-5356	585-5356	B	Green	565	120VAC	9	220	17.55	14.63	13.16	11.70
645-585-5456	585-5456	B	Yellow	585	120VAC	9	220	17.55	14.63	13.16	11.70
645-585-5556	585-5556	B	Bright Yell	592	120VAC	9	945	20.25	16.88	15.19	13.50
Multi-Chip Midget Flange Base (T-1 3/4)											
645-585-1223	585-1223	C	Ultra Red	660	14	30	60	9.00	7.50	6.75	6.00
645-585-1323	585-1323	C	Green	565	14	28	70	8.55	7.13	6.41	5.70
645-585-1423	585-1423	C	Yellow	585	14	30	23	8.55	7.13	6.41	5.70
645-585-1225	585-1225	C	Ultra Red	660	28	16	64	9.00	7.50	6.75	6.00
645-585-1325	585-1325	C	Green	565	28	15	75	8.55	7.13	6.41	5.70
645-585-1425	585-1425	C	Yellow	585	28	15	23	8.55	7.13	6.41	5.70
Multi-Chip Wedge Base (T-1 3/4)											
645-585-2223	585-2223	D	Ultra Red	660	14	30	60	9.00	7.50	6.75	6.00
645-585-2323	585-2323	D	Green	565	14	28	70	8.55	7.13	6.41	5.70
645-585-2423	585-2423	D	Yellow	585	14	30	23	8.55	7.13	6.41	5.70
645-585-2225	585-2225	D	Ultra Red	660	28	16	64	9.00	7.50	6.75	6.00
645-585-2325	585-2325	D	Green	565	28	15	75	8.55	7.13	6.41	5.70
645-585-2425	585-2425	D	Yellow	585	28	15	23	8.55	7.13	6.41	5.70

DIALIGHT LED PANEL MOUNT INDICATORS

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each 1	100	500	1000	2000+
605 Series, 5mm Mounting Hole											
645-605-1111-110	605-1111-110	E	Red	2	10	1.2	2.67	1.78	1.34	1.16	Call for Quote
645-605-1211-110	605-1211-110	E	Green	2	15	0.8	3.21	2.14	1.61	1.39	
645-605-1311-110	605-1311-110	E	Yellow	2	15	2	3.21	2.14	1.61	1.39	
606 Series, 6mm Mounting Hole											
645-606-1111-110	606-1111-110	F	Red	2	5	2.4	2.67	1.78	1.34	1.16	Call for Quote
645-606-1211-110	606-1211-110	F	Green	2	15	3	3.21	2.14	1.61	1.39	
645-606-1311-110	606-1311-110	F	Yellow	2	10	3.7	3.21	2.14	1.61	1.39	
645-606-2111-110	606-2111-110	G	Red	2	5	2.4	2.67	1.78	1.34	1.16	
645-606-2211-110	606-2211-110	G	Green	2	15	3	3.00	2.00	1.50	1.30	
645-606-2415-110	606-2415-110	H	Red/Gr	2	5/20	.6/1	6.30	4.20	3.15	2.73	
645-606-2415-120	606-2415-120	H	Red/Gr	6	5/20	.6/1	7.62	5.08	3.81	3.30	
645-606-2415-130	606-2415-130	H	Red/Gr	12	5/20	.6/1	7.62	5.08	3.81	3.30	
607 Series, 7mm Mounting Hole											
645-607-2112-110	607-2112-110	I	Red	2	15	8	3.15	2.10	1.58	1.37	Call for Quote
645-607-2112-120	607-2112-120	J	Red	6	15	8	3.99	2.66	2.00	1.73	
645-607-2112-130	607-2112-130	J	Red	12	15	8	3.99	2.66	2.00	1.73	
645-607-2212-110	607-2212-110	I	Green	2	15	8	3.48	2.32	1.74	1.51	
645-607-2212-120	607-2212-120	J	Green	6	15	8	4.62	3.08	2.31	2.00	
645-607-2212-130	607-2212-130	J	Green	12	15	8	4.62	3.08	2.31	2.00	
645-607-2312-110	607-2312-110	I	Yellow	2	15	2.2	3.72	2.48	1.86	1.61	
645-607-2312-120	607-2312-120	J	Yellow	6	15	2.2	4.62	3.08	2.31	2.00	
645-607-2312-130	607-2312-130	J	Yellow	12	15	2.2	4.62	3.08	2.31	2.00	
645-607-3132-120	607-3132-120	K	Red	6	15	8	3.03	2.02	1.52	1.31	
645-607-3132-130	607-3132-130	K	Red	6	15	8	3.03	2.02	1.52	1.31	
645-607-3232-120	607-3232-120	K	Green	6	15	8	3.39	2.26	1.70	1.47	
645-607-3232-130	607-3232-130	K	Green	6	15	8	3.39	2.26	1.70	1.47	
608 Series, 8mm Mounting Hole											
645-608-1131-110	608-1131-110	L	Red	2	15	20	2.34	1.56	1.17	1.01	Call for Quote
645-608-1132-220	608-1132-220	M	Red	6	15	20	3.21	2.14	1.61	1.39	
645-608-1132-230	608-1132-230	M	Red	12	15	20	3.21	2.14	1.61	1.39	
645-608-1231-110	608-1231-110	L	Green	2	15	15	2.67	1.78	1.34	1.16	
645-608-1232-220	608-1232-220	M	Green	6	15	20	3.39	2.26	1.70	1.47	
645-608-1232-230	608-1232-230	M	Green	12	15	20	3.39	2.26	1.70	1.47	
645-608-1331-110	608-1331-110	L	Yellow	2	15	4	2.85	1.90	1.43	1.24	
645-608-1332-220	608-1332-220	M	Yellow	6	15	10	3.39	2.26	1.70	1.47	
645-608-3131-110	608-3131-110	N	Red	2	15	20	2.34	1.56	1.17	1.01	
645-608-3231-110	608-3231-110	N	Green	2	15	15	2.67	1.78	1.34	1.16	
645-608-3331-110	608-3331-110	N	Yellow	2	15	4	2.85	1.90	1.43	1.24	

DIMENSIONS IN.



DIALIGHT LED PANEL MOUNT INDICATORS (Cont.)

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each 1	100	500	1000	2000+
609 Series, 9mm Mounting Hole											
645-609-1112-120	609-1112-120	A	Red	6	15	20	4.26	2.84	2.13	1.85	Call for Quote
645-609-1112-130	609-1112-130	A	Red	12	15	20	4.26	2.84	2.13	1.85	
645-609-1212-120	609-1212-120	A	Green	6	15	15	4.62	3.08	2.31	2.00	
645-609-1212-130	609-1212-130	A	Green	12	15	15	4.62	3.08	2.31	2.00	
645-609-2112-120	609-2112-120	B	Red	6	15	20	4.26	2.84	2.13	1.85	
645-609-2112-130	609-2112-130	B	Red	12	15	20	3.99	2.66	2.00	1.73	
645-609-2212-130	609-2212-130	B	Green	12	15	15	4.32	2.88	2.16	1.87	
645-609-2312-130	609-2312-130	B	Yellow	12	15	4	4.62	3.08	2.31	2.00	
610 Series, 10mm Mounting Hole											
645-610-3132-120	610-3132-120	C	Red	6	10	250	3.45	2.30	1.73	1.50	Call for Quote
645-610-3232-120	610-3232-120	C	Green	6	10	15	3.69	2.46	1.85	1.60	
645-610-3332-120	610-3332-120	C	Yellow	6	10	12	3.69	2.46	1.85	1.60	
645-610-4132-120	610-4132-120	D	Red	6	10	250	3.45	2.30	1.73	1.50	
645-610-4232-120	610-4232-120	D	Green	6	10	15	3.45	2.30	1.73	1.50	

Dialight LED PANEL MOUNT INDICATORS 11/16" MOUNTING HOLE

Watertight * ESD Device ** Intensity measured in Foot Lamberts (1fL = cd/m²)

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	fL**	Price Each 1	100	500	1000	2000+
Bi-Color, Superbright											
645-557-1412-203	557-1412-203	E	R/G	5	70/16	400/1000	18.90	15.53	14.18	13.50	Call
645-557-1432-203	557-1432-203	E	Y/G	5	70/16	400/1000	18.90	15.53	14.18	13.50	
Superbright											
645-557-1502-203	557-1502-203	F	Red	5	80	1000	15.82	13.00	11.87	11.30	Call for Quote
645-557-1503-203	557-1503-203	F	Red	12	20	1000	15.82	13.00	11.87	11.30	
645-557-1505-203	557-1505-203	F	Red	24	20	1000	15.82	13.00	11.87	11.30	
* 645-557-1602-203	557-1602-203	F	Green	5	16	1000	17.50	14.38	13.13	12.50	
* 645-557-1603-203	557-1603-203	F	Green	12	16	1000	17.50	14.38	13.13	12.50	
* 645-557-1605-203	557-1605-203	F	Green	24	16	1000	17.50	14.38	13.13	12.50	
645-557-1702-203	557-1702-203	F	Yellow	5	80	1000	15.82	13.00	11.87	11.30	
645-557-1703-203	557-1703-203	F	Yellow	12	20	1000	15.82	13.00	11.87	11.30	
645-557-1705-203	557-1705-203	F	Yellow	24	20	1000	15.82	13.00	11.87	11.30	
* 645-557-1802-203	557-1802-203	F	Blue	5	16	250	17.50	14.38	13.13	12.50	
* 645-557-1803-203	557-1803-203	F	Blue	12	16	250	17.50	14.38	13.13	12.50	
* 645-557-1805-203	557-1805-203	F	Blue	24	16	250	17.50	14.38	13.13	12.50	

Dialight LED PANEL MOUNT INDICATORS .156" MOUNTING HOLE

Snap-In

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each 1	100	500	1000	2000+
Straight Terminals											
645-558-0101-001	558-0101-001	G	Red	2	10	10.0	.90	.72	.63	.57	Call for Quote
645-558-0201-001	558-0201-001	G	Green	2.1	10	16.0	.90	.72	.63	.57	
645-558-0301-001	558-0301-001	G	Yellow	2.1	10	6.3	.90	.72	.63	.57	
645-558-1101-001	558-1101-001	G	Red	1.8	2	1.8	1.20	.96	.84	.76	
645-558-1201-001	558-1201-001	G	Yellow	1.9	2	1.6	1.20	.96	.84	.76	
645-558-1301-001	558-1301-001	G	Green	1.8	2	1.6	1.20	.96	.84	.76	
645-558-3001-001	558-3001-001	G	R/G	2.0/2.0	10	5.0/5.0	1.86	1.49	1.30	1.18	
645-558-3201-001	558-3201-001	G	Y/G	2.1/2.1	20	6.3/4.3	1.86	1.49	1.30	1.18	
14" Wire Leads											
645-558-0101-007	558-0101-007	H	Red	2	10	10.0	1.74	1.39	1.22	1.10	Call for Quote
645-558-0201-007	558-0201-007	H	Green	2.1	10	16.0	1.74	1.39	1.22	1.10	
645-558-0301-007	558-0301-007	H	Yellow	2.1	10	6.3	1.74	1.39	1.22	1.10	
645-558-1101-007	558-1101-007	H	Red	1.8	2	1.8	1.95	1.56	1.37	1.24	
645-558-1201-007	558-1201-007	H	Yellow	1.9	2	1.6	1.95	1.56	1.37	1.24	
645-558-1301-007	558-1301-007	H	Green	1.8	2	1.6	1.95	1.56	1.37	1.24	
645-558-3001-007	558-3001-007	H	R/G	2.0/2.0	10	1.6	2.34	1.87	1.64	1.48	
645-558-3201-007	558-3201-007	H	Y/G	2.1/2.1	20	5/15	2.34	1.87	1.64	1.48	
645-558-0102-007	558-0102-007	H	Red	5	10	4.0	2.10	1.68	1.47	1.33	
645-558-0302-007	558-0302-007	H	Yellow	5	10	8.0	2.10	1.68	1.47	1.33	

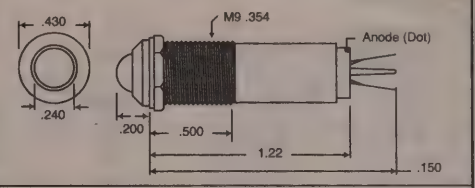
Dialight LED PANEL MOUNT INDICATORS .250" MOUNTING HOLE

Snap-In

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each 1	100	500	1000	2000+
Straight Terminals											
645-559-0102-001	559-0102-001	I	Red	5	13	2	2.00	1.50	1.00	.88	Call for Quote
645-559-0202-001	559-0202-001	I	Green	5	12	8	2.00	1.50	1.00	.88	
645-559-0302-001	559-0302-001	I	Yellow	5	10	8	2.00	1.50	1.00	.88	
645-559-1101-001	559-1101-001	I	Red	1.8	2	2.0	1.20	1.00	.80	.76	
645-559-1201-001	559-1201-001	I	Yellow	1.9	2	1.8	1.20	1.00	.80	.76	
645-559-1301-001	559-1301-001	I	Green	1.8	2	1.8	1.20	1.00	.80	.76	
645-559-2101-001	559-2101-001	I	Red	2.2	10	7.0	1.05	.88	.70	.67	
645-559-2201-001	559-2201-001	I	Green	2.1	10	10.0	1.05	.88	.70	.67	
645-559-2301-001	559-2301-001	I	Yellow	2.1	10	6.3	1.05	.88	.70	.67	
645-559-3001-001	559-3001-001	I	R/G	1.8/2.1	20	60/20	1.95	1.63	1.30	1.24	
645-559-3101-001	559-3101-001	I	R/G	1.8/2.1	20	60/20	1.86	1.55	1.24	1.18	
645-559-3201-001	559-3201-001	I	Y/G	2.1/2.1	20	8.7/8.7	1.86	1.55	1.24	1.18	
HIBright Dif Straight Terminals											
645-559-5101-001	559-5101-001	I	Red	2.1	20	34.0	1.14	.95	.76	.72	Call for Quote
645-559-5201-001	559-5201-001	I	Green	2.2	20	34.0	1.14	.95	.76	.72	
645-559-5301-001	559-5301-001	I	Yellow	2.2	20	34.0	1.14	.95	.76	.72	

DIMENSIONS IN.

A



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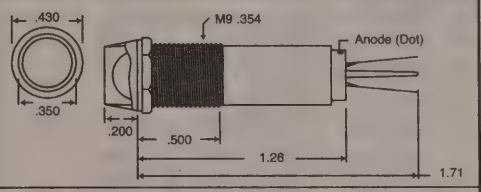

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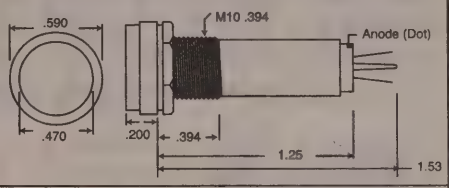

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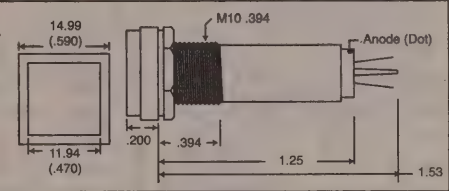

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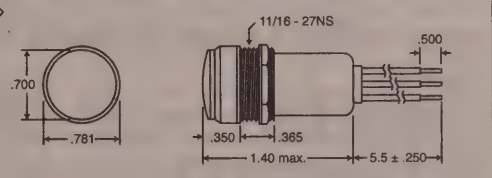

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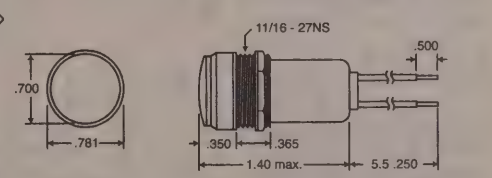

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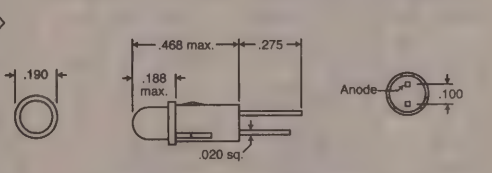

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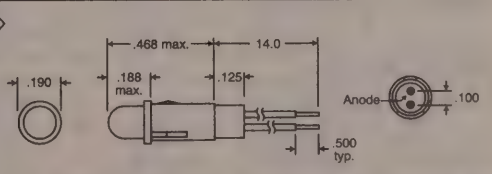

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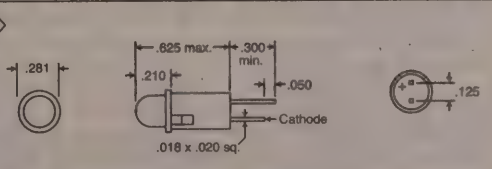


DIALIGHT Panel Mount and SMD LEDs

DIALIGHT LED PANEL MOUNT INDICATORS .250" MOUNTING HOLE (cont.)

Snap-In

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each 1	100	500	1000	2000+
Ultra Bright Dif Straight Terminals											
645-559-5901-001	559-5901-001	A	Amber	2.02	20	3100	3.20	2.40	1.60	1.40	
645-559-6001-001	559-6001-001	A	Blue	3.6	20	650	9.30	6.20	5.43	4.65	Call for Quote
645-559-6101-001	559-6101-001	A	Red	1.9	20	2100	3.20	2.40	1.60	1.40	
645-559-6201-001	559-6201-001	A	Green	3.5	20	2200	9.30	6.20	5.43	4.65	
645-559-6401-001	559-6401-001	A	White	3.5	20	600	9.30	6.20	5.43	4.65	
14" Wire Leads											
645-559-0102-007	559-0102-007	B	Red	5	13	2.0	1.95	1.63	1.30	1.24	
645-559-0202-007	559-0202-007	B	Green	5	12	8.0	1.95	1.63	1.30	1.24	
645-559-0302-007	559-0302-007	B	Yellow	5	10	8.0	1.95	1.63	1.30	1.24	
645-559-1101-007	559-1101-007	B	Red	1.8	2	2.0	1.80	1.50	1.20	1.14	
645-559-1201-007	559-1201-007	B	Yellow	1.8	2	1.8	1.80	1.50	1.20	1.14	
645-559-1301-007	559-1301-007	B	Green	1.8	2	1.8	1.80	1.50	1.20	1.14	Call for Quote
645-559-2101-007	559-2101-007	B	Red	2.2	10	7.0	1.50	1.25	1.00	.95	
645-559-2201-007	559-2201-007	B	Green	2.1	10	10.0	1.50	1.25	1.00	.95	
645-559-2301-007	559-2301-007	B	Yellow	2.1	10	6.3	1.50	1.25	1.00	.95	
645-559-3001-007	559-3001-007	B	R/G	1.7/2.0	20	60/40	2.31	1.93	1.54	1.46	
645-559-3201-007	559-3201-007	B	Y/G	1.8/2.1	20	8.7/8.7	2.31	1.93	1.54	1.46	
645-559-3501-007	559-3501-007	C	R/G	2.1/2.3	10	5.0/8.0	3.75	3.13	2.50	2.38	
645-559-3601-007	559-3601-007	C	Y/G	1.6/1.6	10	5.0/8.0	3.75	3.13	2.50	2.38	

Dialight LED PANEL MOUNT INDICATORS .250" MOUNTING HOLE

Snap-In

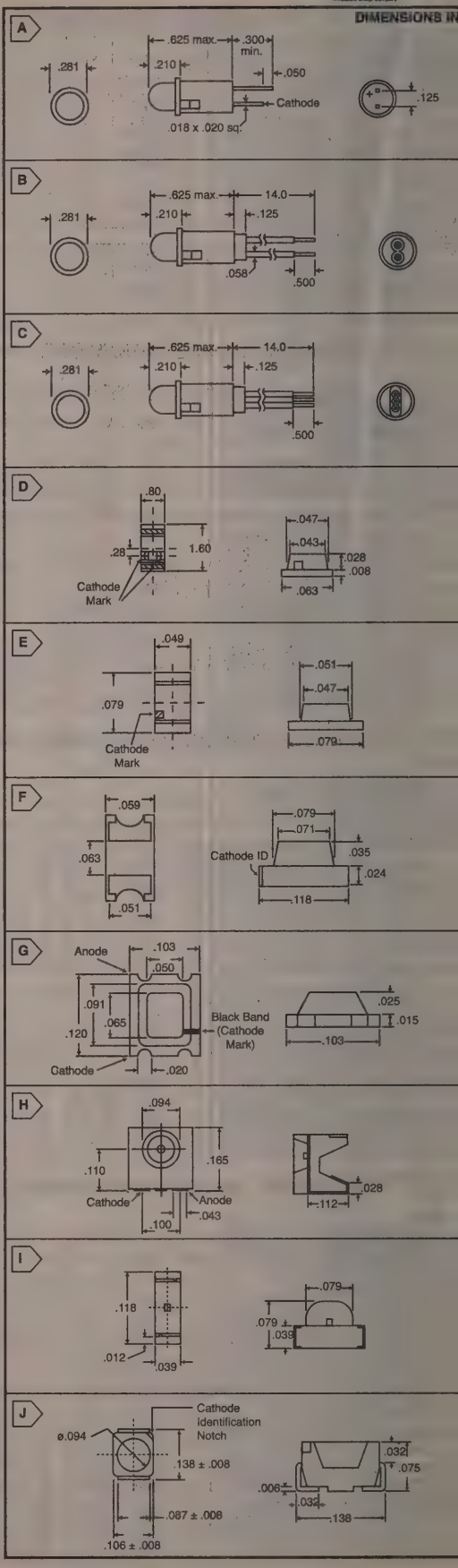
MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each 1	100	500	1000	2000+
HiBright Dif 14" Wire Leads											
645-559-5101-007	559-5101-007	B	Red	2.1	20	34.0	1.65	1.38	1.10	1.05	Call for Quote
645-559-5201-007	559-5201-007	B	Green	2.1	20	34.0	1.65	1.38	1.10	1.05	
645-559-5301-007	559-5301-007	B	Yellow	2.1	20	34.0	1.65	1.38	1.10	1.05	
Ultra Bright Dif 14" Wire Leads											
645-559-5901-007	559-5901-007	B	Amber	2.02	20	3100	2.85	2.38	1.90	1.81	
645-559-6101-007	559-6101-007	B	Red	1.9	20	2100	2.85	2.38	1.90	1.81	Call for Quote
645-559-6001-007	559-6001-007	B	Blue	3.6	20	650	9.75	8.13	6.50	6.18	
645-559-6201-007	559-6201-007	B	Green	3.5	20	2200	9.75	8.13	6.50	6.18	
645-559-6401-007	559-6401-007	B	White	3.5	20	600	9.75	8.13	6.50	6.18	

Dialight SURFACE MOUNT LED CIRCUIT BOARD INDICATORS

✻ Greenish - Yellow

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	Fwd. V Typ.	Fwd. V Max.	Luminous Intensity Min.	Luminous Intensity Typ.	Peak W(nm)	Viewing Angle (Deg)	Price Each 1	100	500	1000
MicroLED® 0603													
645-597-5004-402	597-5004-402	D	Red	1.9	2.4	16.0	50.0	630	152	1.51	1.26	1.01	.76
645-597-5112-402	597-5112-402	D	Red	1.7	2.3	7.0	11.7	660	152	.44	.37	.29	.22
645-597-5312-402	597-5312-402	D	Green	2.1	2.8	3.8	6.4	560	152	.44	.37	.29	.22
645-597-5412-402	597-5412-402	D	✻	2.1	2.8	7.0	11.7	570	152	.44	.37	.29	.22
MicroLED® 0805 Size													
645-597-5111-402	597-5111-402	E	Red	1.7	2.3	7.0	11.7	660	140	.47	.40	.32	.24
645-597-5311-402	597-5311-402	E	Green	2.1	2.8	3.8	6.4	560	140	.47	.40	.32	.24
645-597-5411-402	597-5411-402	E	✻	2.1	2.8	7.0	11.7	570	140	.50	.42	.34	.25
MicroLED® High Intensity 0805 Size													
645-597-3212-402	597-3212-402	E	Orange	1.9	2.4	16.0	65.0	609	156	.72	.60	.48	.36
645-597-3222-402	597-3222-402	E	Yellow	1.9	2.4	16.0	65.0	594	156	1.04	.87	.69	.52
MicroLED® 1206 Size													
645-597-3111-402	597-3111-402	F	Red	1.7	2.2	6.0	17.0	660	70	.47	.40	.32	.24
645-597-3311-402	597-3311-402	F	Green	2.1	2.5	3.0	7.5	560	70	.47	.40	.32	.24
645-597-3401-402	597-3401-402	F	Yellow	2.2	2.5	3.0	6.0	580	70	.36	.30	.24	.18
MicroLED® 1210 Size													
645-597-3001-102	597-3001-102	G	Red	2.0	2.6	1.6	4.0	630	170	.57	.47	.38	.28
645-597-3111-102	597-3111-102	G	Red	1.7	2.6	4.0	8.0	660	170	.63	.53	.42	.32
645-597-3301-102	597-3301-102	G	Green	2.1	2.6	6.0	12.0	565	170	.57	.47	.38	.28
645-597-3401-102	597-3401-102	G	Yellow	2.1	2.8	3.0	8.0	585	160	.63	.53	.42	.32
645-597-3211-102	597-3211-102	G	Orange	2.1	2.8	3.0	8.0	610	170	.63	.53	.42	.32
MicroLED® Bi-Color 1210 Size													
645-597-7701-102	597-7701-102	G	R/G	2.0/2.0	2.6/2.6	1.6/1.6	4.0/12.0	630/565	170	.82	.68	.55	.41
645-597-7721-102	597-7721-102	G	Y/G	2.1/2.0	2.8/2.6	3.0/6.0	8.0/12.0	585/565	170	.92	.76	.61	.46
645-597-7731-102	597-7731-102	G	R/Y	2.0/2.1	2.6/2.8	1.6/1.3	4.0/8.0	630/585	170	.66	.55	.44	.33
MicroLED® Right Angle													
645-597-2001-202	597-2001-202	H	Red	2.0	2.6	4.0	32.0	635	120	.50	.42	.34	.25
645-597-2301-202	597-2301-202	H	Green	2.0	2.6	4.0	32.0	585	120	.50	.42	.34	.25
645-597-2401-202	597-2401-202	H	Yellow	2.0	2.6	4.0	32.0	586	120	.50	.42	.34	.25
645-597-2111-402	597-2111-402	I	Red	1.7	2.3	6.2	12.4	660	130	.50	.42	.34	.25
645-597-2201-402	597-2201-402	I	Orange	2.2	2.8	1.5	3.0	605	130	.50	.42	.34	.25
645-597-2311-402	597-2311-402	I	Green	2.1	2.8	2.6	5.2	560	130	.50	.42	.34	.25
645-597-2401-402	597-2401-402	I	Yellow	2.2	2.8	1.5	3.0	580	130	.50	.42	.34	.25
MicroLED® PLCC-2													
645-597-3001-202	597-3001-202	J	Red	2.0	2.6	2.5	6.0	635	150	.57	.47	.38	.28
645-597-3121-202	597-3121-202	J	Red	1.75	2.6	10.0	20.0	660	120	.69	.58	.46	.35
645-597-3301-202	597-3301-202	J	Green	2.0	2.6	4.0	9.4	565	120	.57	.47	.38	.28
645-597-3401-202	597-3401-202	J	Yellow	2.0	2.6	2.5	4.0	586	120	.57	.47	.38	.28
MicroLED® Bi-Color PLCC-4													
645-597-7701-202	597-7701-202	J	R/G	2.0/2.0	2.6/2.6	2.5/4.0	6.0/9.4	635/565	120	.85	.71	.57	.43
645-597-7721-202	597-7721-202	J	Y/G	2.0/2.0	2.6/2.6	2.5/4.0	4.0/9.4	586/565	120	.75	.63	.50	.38
645-597-7731-202	597-7731-202	J	R/Y	2.0/2.0	2.5/2.6	2.5/2.5	7.3/6.8	635/586	120	.85	.71	.57	.43



DIALIGHT CIRCUIT BOARD INDICATORS

* AlGaAs

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	Lum. Intens. Typ.	Peak W.length (nm)	Viewing Angle (Deg)	Price Each 1	100	500	1000	2000+
SMD, 2mm, High Efficiency, Right Angle												
* 645-595-2101-002	595-2101-002	A	Red	1.7	25.0	640	40	1.40	1.17	.94	.70	Call for Quote
645-595-2301-002	595-2301-002	A	Green	2.1	11.0	567	40	1.40	1.17	.94	.70	
645-595-2401-002	595-2401-002	A	Yellow	2.2	9.0	588	40	1.40	1.17	.94	.70	
Single 3mm, High Efficiency, Right Angle, Round Lens												
645-591-2001-002	591-2001-002	B	Red	2.0	5.0	628	40	1.34	1.12	.89	.67	Call for Quote
* 645-591-2101-002	591-2101-002	B	Red	1.75	14.0	645	40	1.40	1.17	.94	.70	
645-591-2301-002	591-2301-002	B	Green	2.0	4.0	570	40	1.34	1.12	.89	.67	
645-591-2401-002	591-2401-002	B	Yellow	2.0	5.0	590	40	1.34	1.12	.89	.67	
Single 3mm, Bi-Color, Right Angle, Round Lens												
* 645-591-3001-102	591-3001-102	C	R/G	2.0/2.0	6.5/8.0	328/570	40	2.49	2.08	1.66	1.25	Call
Thru-Hole, 2mm,Single, Right Angle												
645-555-2001	555-2001	D	Red	1.6	1.2	650	40	1.05	.87	.70	.52	Call for Quote
645-555-2301	555-2301	D	Green	2.4	1.0	565	40	1.08	.90	.72	.54	
645-555-2401	555-2401	D	Yellow	2.2	2.0	583	40	1.08	.90	.72	.54	
Thru-Hole, 2mm, Single, Right Angle with Intergral Resistor												
645-555-2003	555-2003	D	Red	6.0	1.9	650	40	1.17	.98	.78	.59	Call for Quote
645-555-2007	555-2007	D	Red	3.0	0.9	650	40	1.17	.98	.78	.59	
645-555-2008	555-2008	D	Red	24	0.9	650	40	1.17	.98	.78	.59	
645-555-2303	555-2303	D	Green	4.7	2.5	565	40	1.23	1.03	.82	.62	
645-555-2403	555-2403	D	Yellow	4.7	2.1	583	40	1.02	.85	.68	.51	
Thru-Hole, 2mm, Single, Top View												
645-555-3001	555-3001	E	Red	1.6	1.2	650	40	1.35	1.13	.90	.68	Call for Quote
645-555-3301	555-3301	E	Green	2.4	1.0	565	40	1.85	1.54	1.23	.92	
645-555-3401	555-3401	E	Yellow	2.2	2.0	583	40	1.85	1.54	1.23	.92	
Thru-Hole, 2mm, Single, Top View with Integral Resistor												
645-555-3003	555-3003	E	Red	6	1.9	650	40	1.69	1.41	1.13	.85	Call for Quote
645-555-3007	555-3007	E	Red	3.0	0.9	650	40	1.69	1.41	1.13	.85	
645-555-3008	555-3008	E	Red	24	0.9	650	40	1.69	1.41	1.13	.85	
645-555-3009	555-3009	E	Red	6	0.6	650	40	1.79	1.49	1.19	.89	
645-555-3303	555-3303	E	Green	6	2.5	565	40	2.00	1.67	1.33	1.00	
645-555-3403	555-3403	E	Yellow	6	2.1	583	40	2.00	1.67	1.33	1.00	
Thru-Hole, 2mm, Quad, Right Angle												
645-555-4001	555-4001	F	Red	1.6	1.2	650	40	4.14	3.31	2.90	2.62	Call for Quote
645-555-4301	555-4301	F	Green	2.4	1.0	565	40	4.80	3.84	3.36	3.04	
645-555-4401	555-4401	F	Yellow	2.2	2.0	583	40	4.20	3.50	2.80	2.10	
Thru-Hole, 2mm, Quad, Top View												
* 645-555-5001	555-5001	G	Red	1.6	1.2	650	40	6.24	5.20	4.16	3.12	Call for Quote
* 645-555-5301	555-5301	G	Green	2.4	1	565	40	7.38	6.15	4.92	3.69	
* 645-555-5401	555-5401	G	Yellow	2.2	2	583	40	7.38	6.15	4.92	3.69	
Thru-Hole, 2mm, Quad, Right Angle with Integral Resistor												
645-555-4003	555-4003	F	Red	6.0	1.9	650	40	4.68	3.74	3.28	2.96	Call for Quote
645-555-4007	555-4007	F	Red	3.0	0.9	650	40	4.68	3.74	3.28	2.96	
645-555-4303	555-4303	F	Green	4.7	2.5	565	40	4.80	3.84	3.36	3.04	
645-555-4403	555-4403	F	Yellow	4.7	2.1	583	40	4.80	3.84	3.36	3.04	
645-555-5003	555-5003	F	Red	6	1.9	650	40	7.10	5.92	4.74	3.55	
Thru-Hole, 2mm x 5mm,Rectangular, Right Angle												
645-566-0407	566-0407	H	Red	2.0	6.0	635	110	1.20	1.00	.80	.60	Call for Quote
645-566-0207	566-0207	H	Green	2.2	4.0	565	110	1.20	1.00	.80	.60	
645-566-0307	566-0307	H	Yellow	2.1	3.5	583	110	1.20	1.00	.80	.60	
Thru-Hole, 2mm x 5mm Rectangular, Right Angle, Bi-color												
645-566-3507	566-3507	H	R/ G	1.9/2.1	2.1/2.6	635/565	100	2.40	2.00	1.60	1.20	Call

3mm LED Indicators

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each 1	100	500	1000	2000+
Single, High LED Centerline, High Efficiency											
645-551-0207	551-0207	I	Green	2.1	10	16.0	.71	.59	.47	.35	Call for Quote
645-551-0307	551-0307	I	Yellow	2.1	10	6.3	.71	.59	.47	.35	
645-551-0407	551-0407	I	Red	2	10	10.0	.71	.59	.47	.35	
Single, High LED Centerline, Integral Resistor 5V											
645-551-0507	551-0507	I	Red	5	10	4.0	1.08	.90	.72	.54	Call for Quote
645-551-0707	551-0707	I	Yellow	5	10	8	1.08	.90	.72	.54	
645-551-0607	551-0607	I	Green	5	12	8.0	1.08	.90	.72	.54	
Single, High LED Centerline, Low Current											
645-551-1107	551-1107	I	Red	1.8	2	1.8	.92	.77	.62	.46	Call for Quote
645-551-1207	551-1207	I	Yellow	1.9	2	1.6	.92	.77	.62	.46	
645-551-1307	551-1307	I	Green	1.8	2	1.6	.92	.77	.62	.46	
Single, Bi-color, Right Angle											
645-551-3007	551-3007	I	R/G	2	10	5.0	1.69	1.41	1.13	.85	Call
645-551-3107	551-3107	I	Y/G	2.1	10	4.3/6.3	1.69	1.41	1.13	.85	
Single, Bi-color, In-Line, Right Angle											
645-551-3508	551-3508	J	R/G	2.0/2.1	20	4.0	1.92	1.60	1.28	.96	Call
Tri-Level, High Efficiency, Right Angle											
645-564-0100-111	564-0100-111	K	R/R/R	2.2	10	10	2.61	2.18	1.74	1.31	Call for Quote
645-564-0100-132	564-0100-132	K	R/Y/G	2.2	10	10	2.61	2.18	1.74	1.31	
645-564-0100-222	564-0100-222	K	G/G/G	2.2	10	10	2.61	2.18	1.74	1.31	
645-564-0100-333	564-0100-333	K	Y/Y/Y	2.2	10	10	2.61	2.18	1.74	1.31	
Tri-Level, Low Current, Right Angle											
645-564-0200-111	564-0200-111	K	R-R-R	1.8	2	1.8	2.89	2.41	1.93	1.45	Call for Quote
645-564-0200-132	564-0200-132	K	R-Y-G	1.8/1.9/1.8	2	1.8/1.6/1.6	2.89	2.41	1.93	1.45	
645-564-0200-222	564-0200-222	K	G-G-G	1.8	2	1.6	2.43	2.03	1.62	1.22	
Tri-Level, Integral Resistor, Right Angle											
645-564-0300-111	564-0300-111	K	R-R-R	5	10	4	2.95	2.46	1.97	1.48	Call for Quote
645-564-0300-132	564-0300-132	K	R-Y-G	5/5/5	10/10/12	4/8/8	2.46	2.05	1.64	1.23	
645-564-0300-222	564-0300-222	K	G-G-G	5	12	8	2.95	2.46	1.97	1.48	
Tri-Level, Bi-Color, High Efficiency, Right Angle											
645-564-0700-111	564-0700-111	K	R/G x 3	2	10	5	3.84	3.20	2.56	1.92	Call
645-564-0700-444	564-0700-444	K	Y/G x 3	2.1	10	4.3/6.3	3.84	3.20	2.56	1.92	

DIMENSIONS (IN.)

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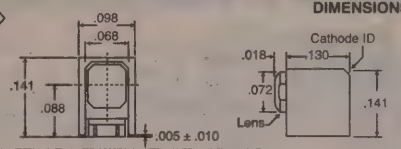

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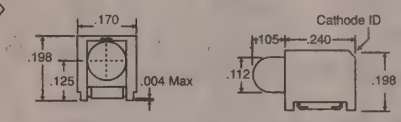

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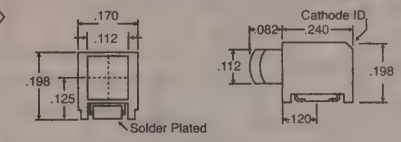

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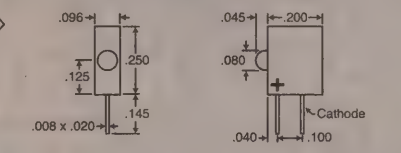

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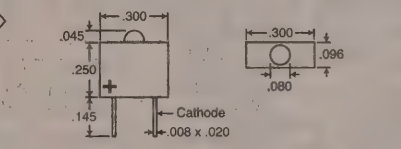

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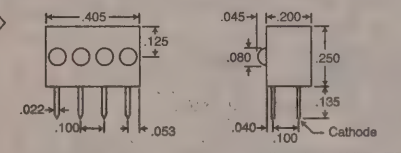

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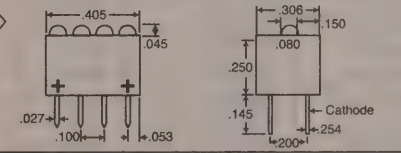

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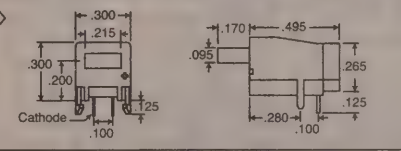

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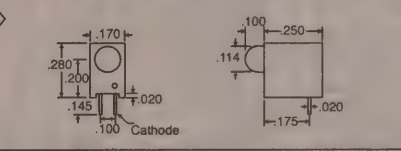

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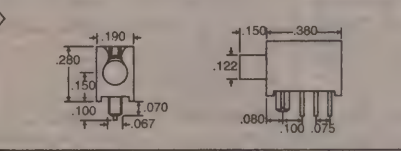

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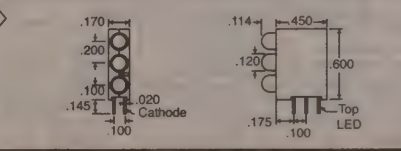


DIALIGHT Circuit Board Indicators

DIALIGHT CIRCUIT BOARD INDICATORS

3mm LED Indicators (cont.)

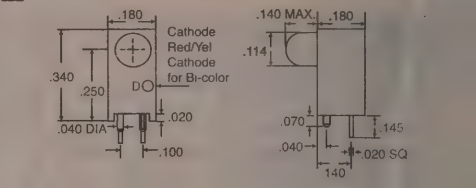
MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each 1	100	500	1000	2000+
Single, High Centerline, High Efficiency											
645-551-0203	551-0203	A	Green	2.1	10	16	.77	.64	.51	.38	Call for Quote
645-551-0403	551-0403	A	Red	2	10	10	.77	.64	.51	.38	
645-551-0209	551-0209	B	Green	2.1	10	16	.83	.69	.55	.42	
645-551-0309	551-0309	B	Yellow	2.1	10	6.3	.83	.69	.55	.42	
645-551-0409	551-0409	B	Red	2	10	10	.83	.69	.55	.42	
645-551-2509	551-2509	B	Orange	2.2	10	6.5	.92	.77	.62	.46	
Single, High Centerline, Integral Resistor											
645-551-0509	551-0509	B	Red	5	10	4	1.20	1.00	.80	.60	Call for Quote
645-551-0609	551-0609	B	Green	5	12	8	1.20	1.00	.80	.60	
645-551-0709	551-0709	B	Yellow	5	10	8	1.20	1.00	.80	.60	
Single, High Centerline, Low Current											
645-551-1109	551-1109	B	Red	1.8	2	1.8	.92	.77	.62	.46	Call for Quote
645-551-1209	551-1209	B	Yellow	1.9	2	1.6	.92	.77	.62	.46	
645-551-1309	551-1309	B	Green	1.8	2	1.6	.92	.77	.62	.46	
Single, High Centerline, Bi-Color											
645-551-3009	551-3009	B	Red/Gre	2/2	10	5/5	1.57	1.31	1.05	.78	Call
645-551-3109	551-3109	B	Yell/Gre	2.1/2.1	10	4.3/6.3	1.82	1.51	1.21	.91	
Quad, High LED Centerline, High Efficiency											
645-551-0207-004	551-0207-004	C	Green	2.1	10	16.3	3.20	2.67	2.13	1.60	Call for Quote
645-551-0307-004	551-0307-004	C	Yellow	2.1	10	6.3	3.20	2.67	2.13	1.60	
645-551-0407-004	551-0407-004	C	Red	2	10	10.0	2.81	2.34	1.87	1.40	
Quad, High LED Centerline, Integral Resistor 5V											
645-551-0507-004	551-0507-004	C	Red	5	13	8.0	4.58	3.82	3.05	2.29	Call for Quote
645-551-0607-004	551-0607-004	C	Green	5	12	8	4.02	3.35	2.68	2.01	
645-551-0707-004	551-0707-004	C	Yellow	5	10	8	4.58	3.82	3.05	2.29	
645-551-2507-004	551-2507-004	C	Orange	2.2	10	6.5	6.24	5.20	4.16	3.12	
Quad, High Centerline, Low Current											
645-551-1107-004	551-1107-004	C	Red	1.8	2	1.8	3.65	3.04	2.43	1.82	Call for Quote
645-551-1207-004	551-1207-004	C	Yellow	1.9	2	1.6	4.15	3.46	2.77	2.08	
645-551-1307-004	551-1307-004	C	Green	1.8	2	1.6	4.15	3.46	2.77	2.08	
Quad, High Efficiency, Right Angle											
645-568-0101-111	568-0101-111	D	Red	2.2	10	10	3.23	2.69	2.15	1.61	Call for Quote
645-568-0102-222	568-0102-222	D	Green	2.3	8.5	10	3.23	2.69	2.15	1.61	
645-568-0101-333	568-0101-333	D	Yellow	2.2	10	10	3.15	2.52	2.21	2.00	
Quad, Bi-Color, Right Angle											
645-568-0701-111	568-0701-111	D	R/G x 4	2	10	5	4.80	4.00	3.20	2.40	Call
645-568-0704-444	568-0704-444	D	Y/G x 4	2.1	10	4.3/6.3	4.68	3.74	3.28	2.96	

5mm LED Indicators

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each 1	100	500	1000	2000+
Single General Purpose, Top View											
645-550-0204	550-0204	F	Green	2.1	10	12.3	.86	.72	.57	.43	Call for Quote
645-550-0304	550-0304	F	Yellow	2.1	10	12.3	.86	.72	.57	.43	
645-550-0404	550-0404	F	Red	2	10	12.3	.86	.72	.57	.43	
Single Integral Resistor, Top View											
645-550-0504	550-0504	F	Red	5	13	2.0	1.20	1.00	.80	.60	Call for Quote
645-550-0704	550-0704	F	Green	5	12	8	1.20	1.00	.80	.60	
645-550-0804	550-0804	F	Yellow	5	10	8	1.20	1.00	.80	.60	
Single Low Current, Top View											
645-550-1104	550-1104	F	Red	1.8	2	2	.99	.83	.66	.50	Call for Quote
645-550-1204	550-1204	F	Yellow	1.9	2	1.8	.99	.83	.66	.50	
645-550-1304	550-1304	F	Green	1.8	2	1.8	.99	.83	.66	.50	
Single General Purpose Vertical											
645-561-2101-050	561-2101-050	G	Red	2.2	10	7	.74	.62	.49	.37	Call for Quote
645-561-2101-070	561-2101-070	G	Red	2.2	10	7	.74	.62	.49	.37	
645-561-2101-100	561-2101-100	G	Red	2.2	10	7	.74	.62	.49	.37	
645-561-2201-050	561-2201-050	G	Y/G	2	10	32	.80	.67	.53	.40	
645-561-2201-070	561-2201-070	G	Y/G	2	10	32	.80	.67	.53	.40	
645-561-2201-100	561-2201-100	G	Y/G	2	10	32	1.56	1.30	1.04	.78	
Quad General Purpose, Right Angle											
645-550-0207-004	550-0207-004	E	Green	2.1	20	12.3	3.26	2.72	2.17	1.63	Call for Quote
645-550-0307-004	550-0307-004	E	Yellow	2.1	20	12.3	3.26	2.72	2.17	1.63	
645-550-0407-004	550-0407-004	E	Red	2	20	12.3	3.26	2.72	2.17	1.63	
Quad Integral Resistor, Right Angle											
645-550-0507-004	550-0507-004	E	Red	5	13	2	8.04	6.70	5.36	4.02	Call for Quote
645-550-0707-004	550-0707-004	E	Green	5	12	8	4.12	3.44	2.75	2.06	
645-550-0807-004	550-0807-004	E	Yellow	5	10	8	8.04	6.70	5.36	4.02	
Quad Low Current, Right Angle											
645-550-1107-004	550-1107-004	E	Red	1.8	2	2	3.84	3.20	2.56	1.92	Call for Quote
645-550-1207-004	550-1207-004	E	Yellow	1.9	2	1.8	7.50	6.25	5.00	3.75	
645-550-1307-004	550-1307-004	E	Green	1.8	2	1.8	3.84	3.20	2.56	1.92	
Quad High Efficiency, Right Angle											
645-550-2207-004	550-2207-004	E	Green	2.1	10	10	6.60	5.50	4.40	3.30	Call for Quote
645-550-2307-004	550-2307-004	E	Yellow	2.1	10	6.3	3.38	2.82	2.26	1.69	
645-550-2407-004	550-2407-004	E	Red	2.2	10	7	3.38	2.82	2.26	1.69	
645-550-2507-004	550-2507-004	E	Orange	1.9	10	7	6.60	5.50	4.40	3.30	
Quad Bi-Color, Right Angle											
645-550-3007-004	550-3007-004	E	Red/Gre	1.8/2.1	20	90/40	14.76	12.30	9.84	7.38	Call
Quad Super Bright, Diffused Lens, Right Angle											
645-550-5107-004	550-5107-004	E	Red	2.1	20	34	3.84	3.20	2.56	1.92	Call for Quote
645-550-5207-004	550-5207-004	E	Green	2.2	20	34	7.50	6.25	5.00	3.75	
645-550-5307-004	550-5307-004	E	Yellow	2.2	20	34	7.50	6.25	5.00	3.75	
Quad Super Bright, Water Clear Lens, Right Angle											
645-550-5507-004	550-5507-004	E	Red	2.2	20	125	8.04	6.70	5.36	4.02	Call for Quote
645-550-5607-004	550-5607-004	E	Green	2.3	20	120	8.04	6.70	5.36	4.02	
645-550-5707-004	550-5707-004	E	Yellow	2.2	20	140	8.04	6.70	5.36	4.02	

DIMENSIONS (IN.)

A



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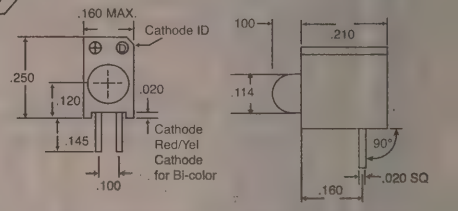

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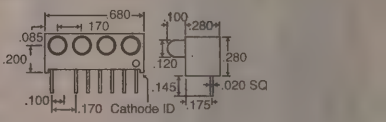

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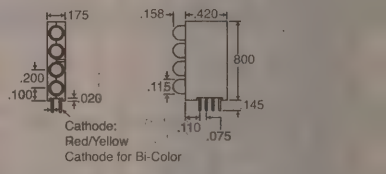

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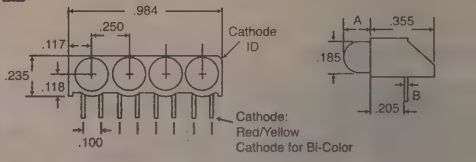

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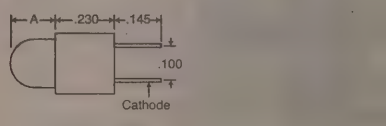
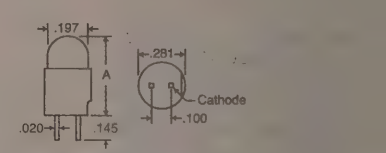


A = .135" for 645-550-0204
to 645-550-0404
.197" for 645-550-0504 thru 645-550-5704

G



645-561-2101-050, A = .480 ± .025
645-561-2101-070, A = .68 ± .025
645-561-2101-100, A = .980 ± .025

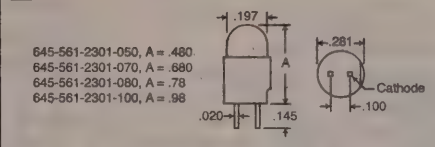
DIALIGHT CIRCUIT BOARD INDICATORS

5mm LED Indicators (cont.)

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each 1	100	500	1000	2000+
Single General Purpose Vertical											
645-561-2301-050	561-2301-050	A	Y/G	2.4	10	10	.74	.62	.49	.37	Call for Quote
645-561-2301-070	561-2301-070	A	Y/G	2.4	10	10	.74	.62	.49	.37	
645-561-2301-080	561-2301-080	A	Y/G	2.4	10	10	.74	.62	.49	.37	
645-561-2301-100	561-2301-100	A	Y/G	2.4	10	10	.74	.62	.49	.37	
Single Integral Resistor, Vertical											
645-561-0104-100	561-0104-100	A	Red	5	10	8	.86	.72	.57	.43	Call
Single Low Current Vertical											
645-561-1101-100	561-1101-100	A	Red	1.8	2	2	.80	.67	.53	.40	Call for Quote
645-561-1201-100	561-1201-100	A	Yellow	1.9	2	1.8	.80	.67	.53	.40	
645-561-1301-100	561-1301-100	A	Green	1.8	2	1.8	.80	.67	.53	.40	
Single High Efficiency, Vertical											
645-561-2401-100	561-2401-100	A	Red	2.2	10	60	.74	.62	.49	.37	Call for Quote
645-561-2501-100	561-2501-100	A	Green	2.3	10	70	.74	.62	.49	.37	
645-561-2601-100	561-2601-100	A	Yellow	2.2	10	50	.74	.62	.49	.37	
645-561-0901-100	561-0901-100	A	Orange	1.9	10	7	1.17	.98	.78	.59	
Single Rectangular, Vertical											
645-561-4101-055	561-4101-055	B	Red	1.9	20	5	1.66	1.39	1.11	.83	Call for Quote
645-561-4201-055	561-4201-055	B	Green	2.3	20	2.5	1.66	1.39	1.11	.83	
645-561-4301-055	561-4301-055	B	Yellow	2.1	20	5	1.66	1.39	1.11	.83	
645-561-4101-081	561-4101-081	C	Red	1.9	20	5	1.75	1.46	1.17	.88	
645-561-4201-081	561-4201-081	C	Green	2.3	20	2.5	1.75	1.46	1.17	.88	
645-561-4301-081	561-4301-081	C	Yellow	2.1	20	5	1.75	1.46	1.17	.88	
Single, Super Bright, Diffused Lens Vertical											
645-561-5101-100	561-5101-100	A	Red	2.1	20	34	.80	.67	.53	.40	Call for Quote
645-561-5201-100	561-5201-100	A	Green	2.2	20	34	.80	.67	.53	.40	
645-561-5301-100	561-5301-100	A	Yellow	2.2	20	34	.80	.67	.53	.40	
Single, Super Bright, Water Clear Lens, Vertical											
645-561-5501-100	561-5501-100	A	Red	2.2	20	125	.86	.72	.57	.43	Call for Quote
645-561-5601-100	561-5601-100	A	Green	2.3	20	120	.86	.72	.57	.43	
645-561-5701-100	561-5701-100	A	Yellow	2.2	20	140	.86	.72	.57	.43	
Single High Efficiency, Top View											
645-550-2204	550-2204	D	Green	2.1	10	10.0	1.01	.85	.68	.51	Call for Quote
645-550-2304	550-2304	D	Yellow	2.1	10	6.3	1.01	.85	.68	.51	
645-550-2404	550-2404	D	Red	2.2	10	7.0	1.01	.85	.68	.51	
645-550-2504	550-2504	D	Orange	1.9	10	7	.77	.64	.51	.38	
Single Bi-Color, Top View											
645-550-3004	550-3004	D	Red/Gre	1.8/2.1	20	90/40	1.97	1.64	1.31	.98	Call
Single, Super Bright, Diffused Lens, Top View											
645-550-5104	550-5104	D	Red	2.1	20	34	1.11	.92	.74	.55	Call for Quote
645-550-5204	550-5204	D	Green	2.2	20	34	1.11	.92	.74	.55	
645-550-5304	550-5304	D	Yellow	2.2	20	34	1.11	.92	.74	.55	
Single Super Bright, Water Clear Lens, Top View											
645-550-5504	550-5504	D	Red	2.2	20	125	1.17	.98	.78	.59	Call
645-550-5604	550-5604	D	Green	2.3	20	120	1.17	.98	.78	.59	
Single General Purpose, Right Angle											
645-550-0205	550-0205	E	Green	2.1	20	12.3	.71	.59	.47	.35	Call for Quote
645-550-0305	550-0305	E	Yellow	2.1	20	12.3	.71	.59	.47	.35	
645-550-0405	550-0405	E	Red	2	20	12.3	.71	.59	.47	.35	
645-550-0207	550-0207	F	Green	2.1	20	12.3	.71	.59	.47	.35	
645-550-0307	550-0307	F	Yellow	2.1	20	12.3	.57	.48	.38	.29	
645-550-0407	550-0407	F	Red	2	20	12.3	.71	.59	.47	.35	
Single Integral Resistor, Right Angle											
645-550-0505	550-0505	E	Red	5	13	2	.98	.82	.66	.49	Call for Quote
645-550-0705	550-0705	E	Green	5	12	8	.98	.82	.66	.49	
645-550-0805	550-0805	E	Yellow	5	10	8	.98	.82	.66	.49	
645-550-0507	550-0507	F	Red	5	13	2.0	.90	.75	.60	.45	
645-550-0707	550-0707	F	Green	5	12	8.0	.90	.75	.60	.45	
645-550-0807	550-0807	F	Yellow	5	10	8.0	.98	.82	.66	.49	
Single Low Current, Right Angle											
645-550-1105	550-1105	E	Red	1.8	2	2	.92	.77	.62	.46	Call for Quote
645-550-1305	550-1305	E	Green	1.8	2	1.8	.92	.77	.62	.46	
645-550-1205	550-1205	E	Yellow	1.8	2	1.8	.92	.77	.62	.46	
645-550-1107	550-1107	F	Red	1.8	2	2.0	.84	.70	.56	.42	
645-550-1207	550-1207	F	Yellow	1.9	2	1.8	.92	.77	.62	.46	
645-550-1307	550-1307	F	Green	1.8	2	1.8	.92	.77	.62	.46	
Single High Efficiency, Right Angle											
645-550-2205	550-2205	E	Green	2.1	10	10	.77	.64	.51	.38	Call for Quote
645-550-2305	550-2305	E	Yellow	2.1	10	6.3	.77	.64	.51	.38	
645-550-2405	550-2405	E	Red	2.2	10	7	.77	.64	.51	.38	
645-550-2505	550-2505	E	Orange	1.9	10	7	.77	.64	.51	.38	
645-550-2207	550-2207	F	Green	2.1	10	10.0	.77	.64	.51	.38	
645-550-2307	550-2307	F	Yellow	2.1	10	6.3	.77	.64	.51	.38	
645-550-2407	550-2407	F	Red	2.2	10	7.0	.77	.64	.51	.38	
645-550-2507	550-2507	F	Orange	1.9	10	7	.77	.64	.51	.38	
Single Superbright, Right Angle											
645-550-5107	550-5107	F	Red	2.1	20	34.0	.60	.50	.40	.30	Call for Quote
645-550-5207	550-5207	F	Green	2.2	20	34.0	.60	.50	.40	.30	
645-550-5307	550-5307	F	Yellow	2.2	20	34.0	.60	.50	.40	.30	
645-550-5507	550-5507	F	Red	2.2	20	125	.98	.82	.66	.49	
645-550-5607	550-5607	F	Green	2.3	20	120	.98	.82	.66	.49	
645-550-5707	550-5707	F	Yellow	2.2	20	140	.98	.82	.66	.49	
645-550-5605	550-5605	E	Green	2.3	20	120	.98	.82	.66	.49	
645-550-5705	550-5705	E	Yellow	2.2	20	140	.98	.82	.66	.49	
645-550-5505	550-5505	E	Red	2.2	20	125	.98	.82	.66	.49	
Single Bi-Color, Offset Right Angle											
645-550-3605	550-3605	G	Y/G	2.1/2.1	20	5 / 8	2.06	1.72	1.37	1.03	Call
645-550-3507	550-3507	H	R/G	2.1/2.3	10	5 / 8	2.06	1.72	1.37	1.03	

DIMENSIONS (IN.)

A



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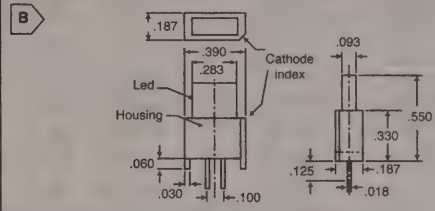

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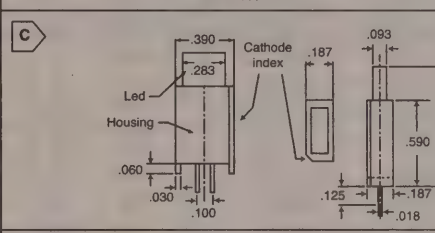

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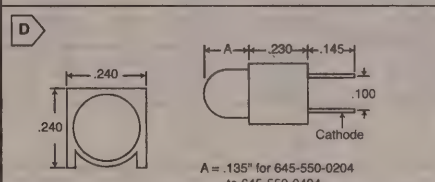
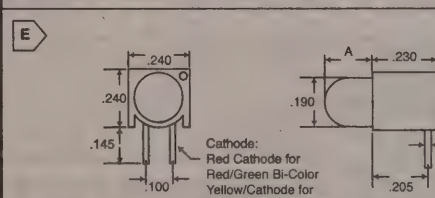


A = .135" for 645-550-0204 to 645-550-0404
.197" for 645-550-0504 to 645-550-5709

E



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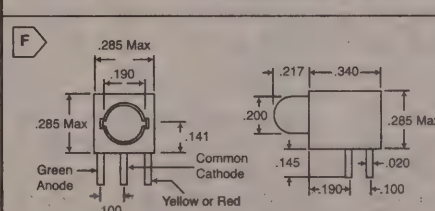

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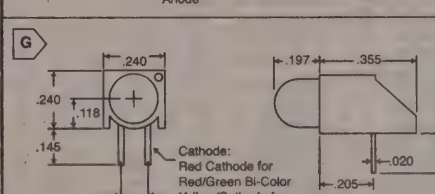

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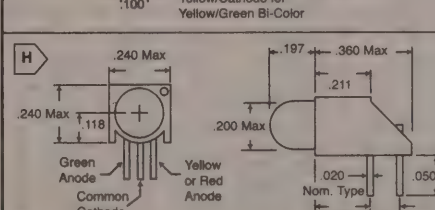


DIALIGHT LED Circuit Board Indicators

Dialight

CIRCUIT BOARD INDICATORS

5mm LED Indicators (cont.)

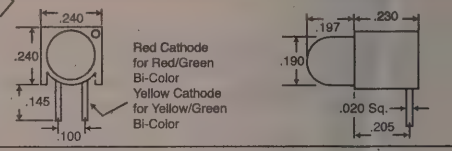
MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each 1	100	500	1000	2000+
Single, In-Line Right Angle											
645-550-5105	550-5105	A	Red	2.1	20	34	.92	.77	.62	.46	Call for Quote
645-550-5205	550-5205	A	Green	2.2	20	34	.92	.77	.62	.46	
645-550-5305	550-5305	A	Yellow	2.2	20	34	.92	.77	.62	.46	
Single Bi-Color, Right Angle											
645-550-3007	550-3007	B	R/G	1.8/2.1	20	90/40	1.50	1.25	1.00	.75	Call for Quote
645-550-3008	550-3008	C	R/G	1.8/2.1	20	90/40	2.06	1.72	1.37	1.03	
645-550-3005	550-3005	A	Red/Gre	1.8/2.1	20	90/40	1.50	1.25	1.00	.75	
645-550-3509	550-3509	D	R/G	2.1/2.3	10	5 / 8	2.06	1.72	1.37	1.03	
Bi-Level General Purpose High Efficiency											
645-552-0211	552-0211	E	Red	2.2	10	7	1.23	1.03	.82	.62	Call for Quote
645-552-0222	552-0222	E	Green	2.1	10	10	1.23	1.03	.82	.62	
645-552-0233	552-0233	E	Yellow	2.1	10	6.3	1.57	1.31	1.05	.78	
645-552-0277	552-0277	E	Orange	1.9	10	7	1.57	1.31	1.05	.78	
645-552-2211-100	552-2211-100	F	Red	2.1	20	110	1.72	1.44	1.15	.86	
645-552-2222-100	552-2222-100	F	Green	2.2	20	110	1.72	1.44	1.15	.86	
Bi-Level General Purpose Integral Resistor											
645-552-0311	552-0311	E	Red	5	13	2	3.60	3.00	2.40	1.80	Call for Quote
645-552-0322	552-0322	E	Green	5	12	8	1.85	1.54	1.23	.92	
645-552-0333	552-0333	E	Yellow	5	10	8	1.85	1.54	1.23	.92	
Bi-Level General Purpose Low Current											
645-552-0922	552-0922	E	Green	1.8	2	1.8	1.38	1.15	.92	.69	Call for Quote
645-552-0933	552-0933	E	Yellow	1.9	2	1.8	1.72	1.44	1.15	.86	
645-552-0911	552-0911	E	Red	1.8	2	2	1.38	1.15	.92	.69	
Bi-Level General Purpose Bi-Color											
645-552-0711	552-0711	E	R/G	1.8/2.1	20	90/40	1.95	1.63	1.30	.98	Call for Quote
645-552-0744	552-0744	E	Yell/Gre	2.1/2.1	20	8.7/8.7	2.31	1.92	1.54	1.15	
645-552-3511	552-3511	G	R/G	2.1/2.3	10	5/8	3.84	3.20	2.56	1.92	
Bi-Level Super Bright											
645-552-0811	552-0811	E	Red	2.1	20	34	1.72	1.44	1.15	.86	Call for Quote
645-552-0822	552-0822	E	Green	2.2	20	34	1.72	1.44	1.15	.86	
645-552-0833	552-0833	E	Yellow	2.2	20	34	1.72	1.44	1.15	.86	

Dialight DIALIGHT LED CIRCUIT BOARD INDICATORS

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each 1	100	500	1000	2000+
Bi-Level, High Efficiency											
645-553-0111-300	553-0111-300	H	Red	2	10	10	1.57	1.31	1.05	.78	Call for Quote
645-553-0122-300	553-0122-300	H	Green	2.1	10	16	1.57	1.31	1.05	.78	
645-553-0133-300	553-0133-300	H	Yellow	2.1	10	6.3	1.57	1.31	1.05	.78	
Bi-Level, Low Current											
645-553-0211-300	553-0211-300	H	Red	1.8	2	1.8	1.72	1.44	1.15	.86	Call for Quote
645-553-0222-300	553-0222-300	H	Green	1.8	2	1.6	1.72	1.44	1.15	.86	
645-553-0233-300	553-0233-300	H	Yellow	1.9	2	1.6	1.72	1.44	1.15	.86	
Bi-Level with Integral Resistor											
645-553-0311-300	553-0311-300	H	Red	5	10	4	1.85	1.54	1.23	.92	Call for Quote
645-553-0322-300	553-0322-300	H	Green	5	12	8	1.85	1.54	1.23	.92	
645-553-0333-300	553-0333-300	H	Yellow	5	10	8	1.85	1.54	1.23	.92	
Bi-Level, Bi-Color											
645-553-0711-300	553-0711-300	H	Orange	2	10	5	2.31	1.92	1.54	1.15	Call
645-553-0744-300	553-0744-300	H	Yel/Gr	2.1/2.1	10	4.3/6.3	2.07	1.73	1.38	1.04	
Bi-Level, Non-Diffused											
645-553-2211-300	553-2211-300	H	Red	2.2	10	12	1.72	1.44	1.15	.86	Call for Quote
645-553-2222-300	553-2222-300	H	Green	2.3	10	12	1.72	1.44	1.15	.86	
645-553-2233-300	553-2233-300	H	Yellow	2.2	10	12	1.72	1.44	1.15	.86	
Bi-Level, High Efficiency											
645-553-0122	553-0122	I	Green	2.1	10	16	1.57	1.31	1.05	.78	Call
645-553-0133	553-0133	I	Yellow	2.1	10	6.3	1.57	1.31	1.05	.78	
Bi-Level, Low Current											
645-553-0211	553-0211	I	Red	1.8	2	1.8	1.72	1.44	1.15	.86	Call for Quote
645-553-0222	553-0222	I	Green	1.8	2	1.6	1.72	1.44	1.15	.86	
645-553-0233	553-0233	I	Yellow	1.9	2	1.6	1.72	1.44	1.15	.86	
Bi-Level with Integral Resistor											
645-553-0311	553-0311	I	Red	5	10	4	1.85	1.54	1.23	.92	Call for Quote
645-553-0322	553-0322	I	Green	5	12	8	1.53	1.28	1.02	.77	
645-553-0333	553-0333	I	Yellow	5	10	8	1.85	1.54	1.23	.92	
Bi-Level, Bi-Color											
645-553-0711	553-0711	I	Red/Gr	2/2	10	5/5	2.31	1.92	1.54	1.15	Call
645-553-0744	553-0744	I	Yel/Gr	2.1/2.1	10	4.3/6.3	2.31	1.92	1.54	1.15	
High Density, Dual Bi-Level											
645-569-0101-111	569-0101-111	J	Red	2.2	10	10	2.61	2.18	1.74	1.31	Call for Quote
645-569-0102-222	569-0102-222	J	Green	2.3	10	8.5	2.61	2.18	1.74	1.31	
645-569-0103-333	569-0103-333	J	Yellow	2.2	10	10	2.61	2.18	1.74	1.31	
645-569-0107-777	569-0107-777	J	Orange	2.2	10	6.5	2.61	2.18	1.74	1.31	
645-569-0111-100	569-0111-100	J	Red	2.2	10	10	1.69	1.41	1.13	.85	
645-569-0112-200	569-0112-200	J	Green	2.3	10	8.5	1.69	1.41	1.13	.85	
645-569-0113-300	569-0113-300	J	Yellow	2.2	10	10	1.69	1.41	1.13	.85	
645-569-0117-700	569-0117-700	J	Orange	2.2	10	6.5	1.69	1.41	1.13	.85	

DIMENSIONS (IN.)

A



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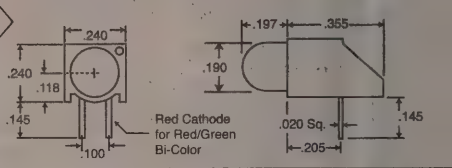

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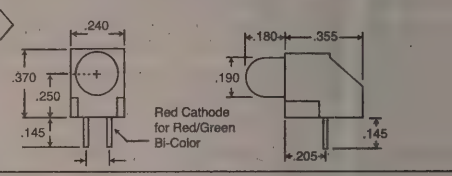

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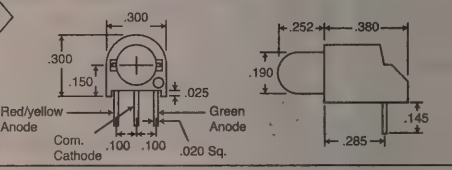

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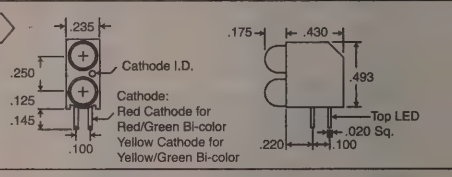

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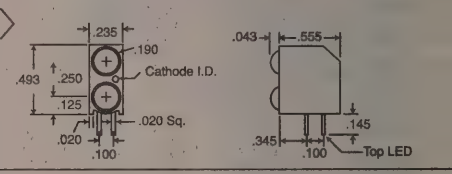

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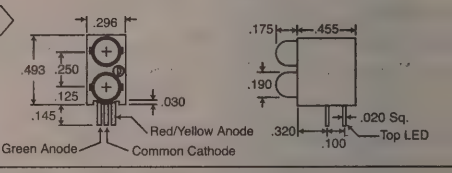

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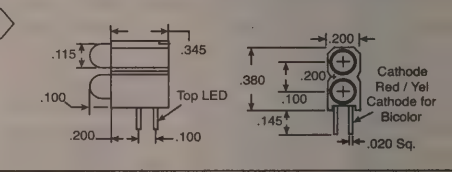

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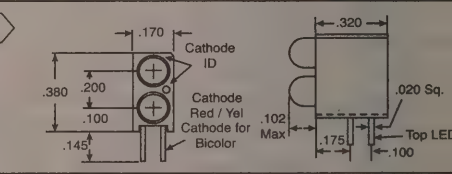

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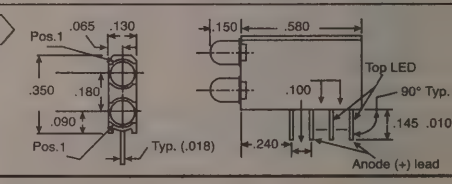
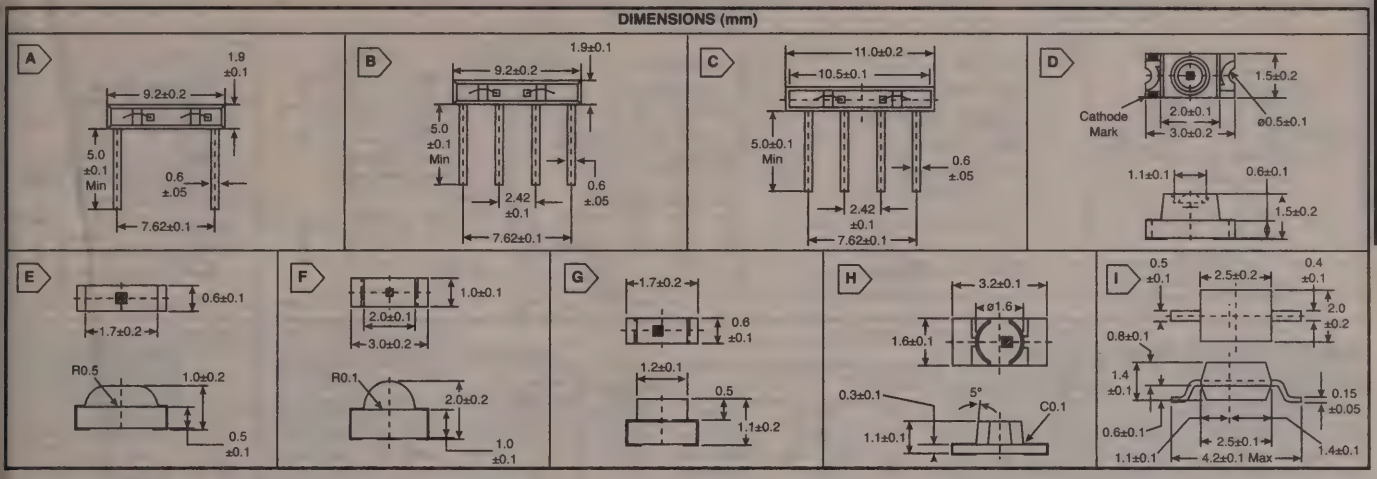


MOUSER ELECTRONICS a tti company

EVERLIGHT LED Backlighting Solutions

EVERLIGHT



HIGH PERFORMANCE, MULTI-CHIP ASSEMBLIES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Emitted Color	Wavelength λD(nm)	Lens Color	Iv(mcd) @I_F=20mA	Angle	Price Each 1	100	500	1000
2-Pin, Reflector LED											
638-94-22UBC/C430	EL-94-22UBC/C430	A	Blue	466	Water Clear	25	130°	1.67	1.49	1.30	1.11
638-94-22UBGC	EL-94-22UBGC	A	Blue Green	505	Water Clear	133	130°	1.97	1.75	1.53	1.31
638-94-22UYCS530A2	EL-94-22UYC/S530-A2	A	Yellow	589	Water Clear	94	130°	.36	.32	.28	.24
638-9422UYOCS530A2	EL-94-22UYOC/S530-A2	A	Yellow Orange	605	Water Clear	94	130°	.39	.34	.30	.26
638-94-22VGC	EL-94-22VGC	A	Green	571	Water Clear	35	130°	.40	.36	.31	.27
4-Pin, Reflector LED											
638-94-22UBCC430S2	EL-94-22UBC/C430/S2	B	Blue	466	Water Clear	23	130°	1.67	1.49	1.30	1.11
638-94-22UBGC/S2	EL-94-22UBGC/S2	B	Blue Green	505	Water Clear	79	130°	3.88	3.45	3.01	2.58
638-422UYCS530A2S2	EL-94-22UYC/S530-A2/S2	B	Yellow	589	Water Clear	56	130°	.33	.30	.26	.22
638-422UYOCS53A2S2	EL-94-22UYOC/S530-A2/S2	B	Yellow Orange	605	Water Clear	56	130°	.36	.32	.28	.24
638-94-22VGC/S2	EL-94-22VGC/S2	B	Green	571	Water Clear	35	130°	.40	.36	.31	.27
638-72SURCS530A2S2	EL-97-22SURC/S530-A2/S2	C	Hyper Red	624	Water Clear	52	145°	.38	.34	.30	.26
638-97-22UBCC430S2	EL-97-22UBC/C430/S2	C	Blue	466	Water Clear	24	145°	1.84	1.63	1.43	1.22
638-97-22UBGC/S2	EL-97-22UBGC/S2	C	Blue Green	505	Water Clear	75	145°	4.27	3.79	3.32	2.85
638-722UYCS530A2S2	EL-97-22UYC/S530-A2/S2	C	Yellow	589	Water Clear	53	145°	.42	.37	.32	.28
638-72UYOCS530A2S2	EL-97-22UYOC/S530-A2/S2	C	Yellow Orange	605	Water Clear	53	145°	.38	.34	.30	.26
638-97-22VGC/S2	EL-97-22VGC/S2	C	Green	570	Water Clear	16	145°	.46	.41	.36	.31

SURFACE MOUNT LED BACKLIGHTING

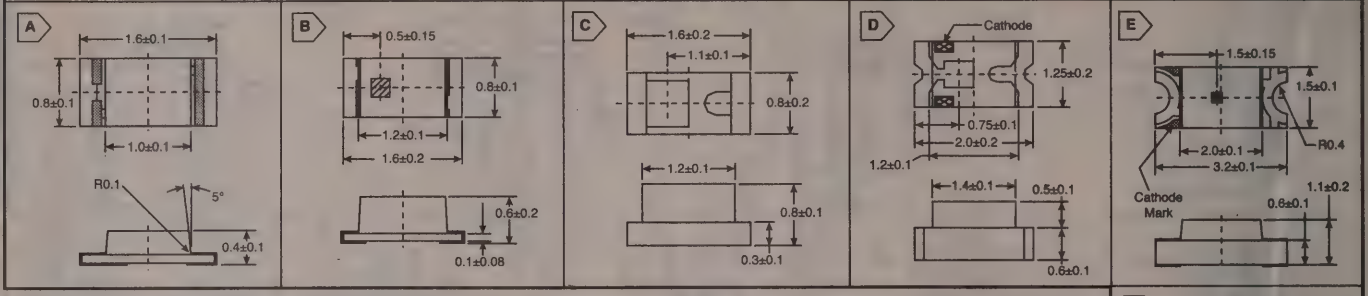
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Emitted Color	Wavelength λD(nm)	Lens Color	Iv(mcd) @I_F=20mA	Angle	Price Each 1	100	500	1000
1206 Chip LED/Inner Lens											
638-1121BHCAP2R12T	EL-11-21/BHC-AP2R1/2T	D	Blue	470	Water Clear	100	60°	.43	.38	.33	.29
638-121SURCS530A28	EL-11-21SURC/S530-A2/TR8	D	Hyper Red	624	Water Clear	71	60°	.11	.10	.09	.07
638-11-21UBGC/TR8	EL-11-21UBGC/TR8	D	Blue Green	505	Water Clear	103	60°	1.95	1.74	1.52	1.30
638-1121UYCS530A28	EL-11-21UYC/S530-A2/TR8	D	Yellow	589	Water Clear	73	60°	.11	.09	.08	.07
638-11-21VGC/TR8	EL-11-21VGC/TR8	D	Green	571	Water Clear	35	60°	.15	.13	.11	.10
Chip LED Right Angle											
638-1215W1DANPHY3C	EL-12-215/W1D-ANPHY/3C	E	White	-	Yellow Diff	40	140°	.57	.51	.45	.38
638-215SURCS530A28	EL-12-215SURC/S530-A2/TR8	E	Hyper Red	624	Water Clear	48	130°	.11	.10	.08	.07
638-12-215UBCC4308	EL-12-215UBC/C430/TR8	E	Blue	466	Water Clear	22	130°	.89	.79	.69	.59
638-12-215UBGC/TR8	EL-12-215UBGC/TR8	E	Blue Green	505	Water Clear	70	130°	2.23	1.98	1.73	1.48
638-1215UYCS530A28	EL-12-215UYC/S530-A2/TR8	E	Yellow	589	Water Clear	49	130°	.11	.10	.08	.07
638-12-215VGC/TR8	EL-12-215VGC/TR8	E	Green	571	Water Clear	11	130°	.12	.11	.09	.08
638-1221BHCAN192C	EL-12-21/BHC-AN192/2C	F	Blue	470	Water Clear	45	100°	.45	.40	.35	.30
638-2721BHCAN1P23C	EL-27-21/BHC-AN1P2/3C	G	Blue	470	Water Clear	40	130°	.65	.57	.50	.43
638-2721W1DANPHY3C	EL-27-21/W1D-ANPHY/3C	G	White	-	Yellow Diff	40	140°	.64	.57	.50	.43
638-271SYGCS530E18	EL-27-21SYGC/S530-E1/TR8	G	Yellow Green	573	Water Clear	16	130°	.11	.10	.09	.07
638-2721UYCS530A28	EL-27-21UYC/S530-A2/TR8	G	Yellow	589	Water Clear	34	130°	.13	.12	.10	.09
Chip Reverse Package LED											
638-241SURCS530A28	EL-24-21SURC/S530-A2/TR8	H	Hyper Red	624	Water Clear	40	130°	.16	.15	.13	.11
638-2421UBCC430TR8	EL-24-21UBC/C430/TR8	H	Blue	466	Water Clear	18	130°	.87	.77	.67	.58
638-24-21UBGC/TR8	EL-24-21UBGC/TR8	H	Blue Green	505	Water Clear	58	130°	1.02	.91	.79	.68
638-2421UYCS530A28	EL-24-21UYC/S530-A2/TR8	H	Yellow	589	Water Clear	41	130°	.16	.15	.13	.11
638-24-21VGC/TR8	EL-24-21VGC/TR8	H	Green	571	Water Clear	15	130°	.17	.15	.13	.11
Chip Reverse Package LED/Inner Lens											
638-2521W1DANQHY2A	EL-25-21/W1D-ANQHY/2A	H	White	-	Yellow Diff	50	70°	.99	.88	.77	.66
638-251SURCS530A28	EL-25-21SURC/S530-A2/TR8	H	Hyper Red	624	Water Clear	44	60°	.13	.12	.10	.09
638-2521UBCC430TR8	EL-25-21UBC/C430/TR8	H	Blue	466	Water Clear	20	60°	.84	.75	.65	.56
638-25-21UBGC/TR8	EL-25-21UBGC/TR8	H	Blue Green	505	Water Clear	64	60°	1.15	1.02	.90	.77
638-2521UYCS530A28	EL-25-21UYC/S530-A2/TR8	H	Yellow	589	Water Clear	45	60°	.13	.12	.10	.09
1.3mm Height Sub-Miniature LED											
638-281SURCS530A28	EL-28-21SURC/S530-A2/TR8	I	Hyper Red	624	Water Clear	29	150°	.14	.13	.11	.09
638-28-21UBC/C430	EL-28-21UBC/C430	I	Blue	466	Water Clear	12	150°	.91	.81	.71	.61
638-28-21UBGC	EL-28-21UBGC	I	Blue Green	505	Water Clear	40	150°	2.25	2.00	1.75	1.50
638-2821UYCS530-A2	EL-28-21UYC/S530-A2	I	Yellow	589	Water Clear	30	150°	.15	.13	.11	.10
638-2821UYOCS530A2	EL-28-21UYOC/S530-A2	I	Yellow Orange	605	Water Clear	30	150°	.14	.13	.11	.09
638-28-21VGC/TR8	EL-28-21VGC/TR8	I	Green	571	Water Clear	5.5	150°	.15	.13	.12	.10

EVERLIGHT SMD LEDs

EVERLIGHT

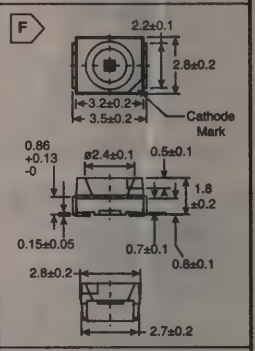
DIMENSIONS (mm)



LOW PROFILE SURFACE MOUNT LEDS

For quantities of 2000 and up, call for quote.

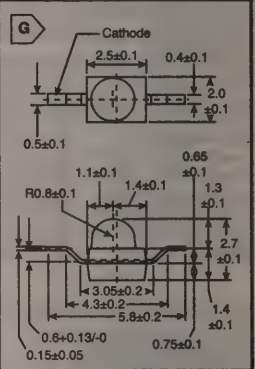
MOUSER STOCK NO.	Everlight Part No.	Fig.	Package Height	Color		Wavelength λD(nm)	Iv(mcd) @I_F=20mA	Angle	Price Each			
				Emitted	Lens				1	100	500	1000
638-19217BHCN1P23	EL-19-217/BHC-AN1P2/3T	A	.4mm	Blue	Water Clear	470	40	120°	.56	.47	.38	.28
638-19217G7CL2M23	EL-19-217/G7C-AL2M2/3T	A	.4mm	Yellow Green	Water Clear	573	21	120°	1.24	1.03	.82	.62
638-19217W1DNPHY3	EL-19-217/W1D-ANPHY/3T	A	.4mm	White	Yellow Diff	-	40	130°	.87	.73	.58	.44
638-19217Y5CP1Q23	EL-19-217/Y5C-AP1Q2/3T	A	.4mm	Yellow	Water Clear	589	75	120°	.20	.17	.13	.10
638-19215SURCS530	EL-19-215SURC/S530-A2/TR8	B	.6mm	Hyper Red	Water Clear	624	38	120°	.24	.20	.16	.12
638-19215UBCC430	EL-19-215UBC/C430/TR8	B	.6mm	Blue	Water Clear	466	18	120°	1.00	.84	.67	.50
638-19215UYCS530	EL-19-215UYC/S530-A2/TR8	B	.6mm	Yellow	Water Clear	589	39	120°	.10	.08	.06	.05
638-19215VGC	EL-19-215VGC/TR8	B	.6mm	Green	Water Clear	571	10	120°	.10	.08	.06	.05



0603 CHIP LEDS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Color		Wavelength λD(nm)	Iv(mcd) @I_F=20mA	Angle	Price Each			
			Emitted	Lens				1	100	500	1000
638-192BHC-AN1P23T	EL-19-21/BHC-AN1P2/3T	C	Blue	Water Clear	470	40	100°	.68	.57	.46	.34
638-192SURCS530-A2	EL-19-21SURC/S530-A2/TR8	C	Hyper Red	Water Clear	624	39	100°	.10	.08	.07	.05
638-192UBGC	EL-19-21UBGC/TR8	C	Blue Green	Water Clear	505	57	100°	1.36	1.14	.91	.68
638-192UYCS530-A2	EL-19-21UYC/S530-A2/TR8	C	Yellow	Water Clear	589	40	100°	.10	.08	.07	.05
638-192VGC	EL-19-21VGC/TR8	C	Green	Water Clear	571	12.5	100°	.10	.09	.07	.05

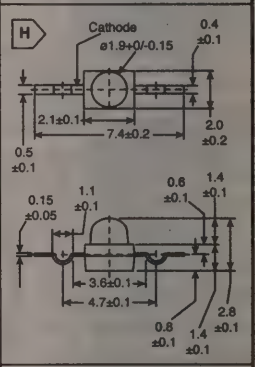


0805 CHIP LEDS

MOUSER STOCK NO.	Everlight Part No.	Fig.	Color		Wavelength λD(nm)	Iv(mcd) @I_F=20mA	Angle	Price Each			
			Emitted	Lens				1	100	500	1000
638-172BHC-AN1P23T	EL-17-21/BHC-AN1P2/3T	D	Blue	Water Clear	470	45	140°	.52	.43	.34	.26
638-172W1D-ANPHY35	EL-17-21/W1D-ANPHY/35	D	White	Yellow Diff	-	40	150°	.60	.50	.40	.30
638-172SURCS530-A2	EL-17-21SURC/S530-A2/TR8	D	Hyper Red	Water Clear	624	42	140°	.10	.08	.07	.05
638-172UBCC430	EL-17-21UBC/C430/TR8	D	Blue	Water Clear	466	20	140°	.62	.52	.42	.31
638-172UBGC	EL-17-21UBGC/TR8	D	Blue Green	Water Clear	505	62	140°	2.75	2.29	1.84	1.38
638-172UYCS530-A2	EL-17-21UYC/S530-A2/TR8	D	Yellow	Water Clear	589	43	140°	.10	.08	.07	.05
638-172VGC	EL-17-21VGC/TR8	D	Green	Water Clear	571	10	140°	.10	.08	.07	.05

1206 PACKAGE CHIP LEDS

638-152BHC-AN1P22T	EL-15-21/BHC-AN1P2/2T	E	Blue	Water Clear	470	40	130°	.88	.73	.58	.44
638-152SURCS530-A2	EL-15-21SURC/S530-A2/TR8	E	Hyper Red	Water Clear	624	38	130°	.12	.10	.08	.06
638-152UYCS530-A2	EL-15-21UYC/S530-A2/TR8	E	Yellow	Water Clear	589	39	130°	.11	.09	.08	.06
638-152VGC	EL-15-21VGC/TR8	E	Green	Water Clear	571	13	130°	.12	.10	.08	.06

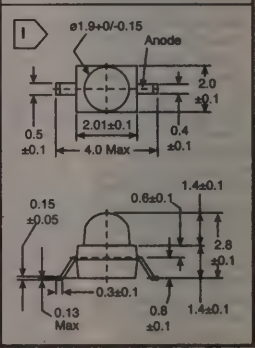


TOP LED SURFACE MOUNT

638-672SURCS530-A2	EL-67-21SURC/S530-A2/TR8	F	Hyper Red	Water Clear	624	65	120°	.26	.22	.17	.13
638-672UBCC430	EL-67-21UBC/C430/TR8	F	Blue	Water Clear	466	55	120°	1.15	.96	.77	.58
638-672UWCS400-A4	EL-67-21UWC/S400-A4/TR8	F	White	Water Clear	-	290	120°	1.02	.85	.68	.51
638-672UYCS530-A2	EL-67-21UYC/S530-A2/TR8	F	Yellow	Water Clear	589	56	120°	.20	.17	.13	.10
638-672UYOCS530-A2	EL-67-21UYOC/S530-A2/TR8	F	Yellow Orange	Water Clear	605	67	120°	.26	.22	.17	.13
638-672VGC	EL-67-21VGC/TR8	F	Green	Water Clear	571	25	120°	.19	.16	.13	.10

1.9MM ROUND SUBMINIATURE LEDS WITH Z LEADBEND

638-912SURCS530	EL-91-21SURC/S530-A2/TR10	G	Hyper Red	Water Clear	624	482	25°	.16	.13	.10	.08
638-912UYCS530	EL-91-21UYC/S530-A2/TR10	G	Yellow	Water Clear	589	496	25°	.19	.16	.13	.09
638-912VGCTR10	EL-91-21VGC/TR10	G	Green	Water Clear	571	50	25°	.19	.16	.13	.09
638-952SURCA2TR10	EL-95-21SURC/S530-A2/TR10	G	Hyper Red	Water Clear	624	482	25°	.19	.16	.13	.09
638-952UBCC430TR10	EL-95-21UBC/C430/TR10	G	Blue	Water Clear	466	203	25°	1.08	.90	.72	.54
638-952UYCA2TR10	EL-95-21UYC/S530-A2/TR10	G	Yellow	Water Clear	589	496	25°	.19	.16	.13	.09
638-952VGCTR10	EL-95-21VGC/TR10	G	Green	Water Clear	571	50	25°	.19	.16	.13	.09



1.9MM ROUND SUBMINIATURE LEDS WITH YOKE LEADBEND

638-952SURCA2TR9	EL-95-21SURC/S530-A2/TR9	H	Hyper Red	Water Clear	624	482	25°	.19	.16	.13	.09
638-952UBCC430TR9	EL-95-21UBC/C430/TR9	H	Blue	Water Clear	466	203	25°	1.08	.90	.72	.54
638-952UYCA2TR9	EL-95-21UYC/S530-A2/TR9	H	Yellow	Water Clear	589	496	25°	.20	.17	.13	.10
638-952VGCTR9	EL-95-21VGC/TR9	H	Green	Water Clear	571	50	25°	.21	.18	.14	.11

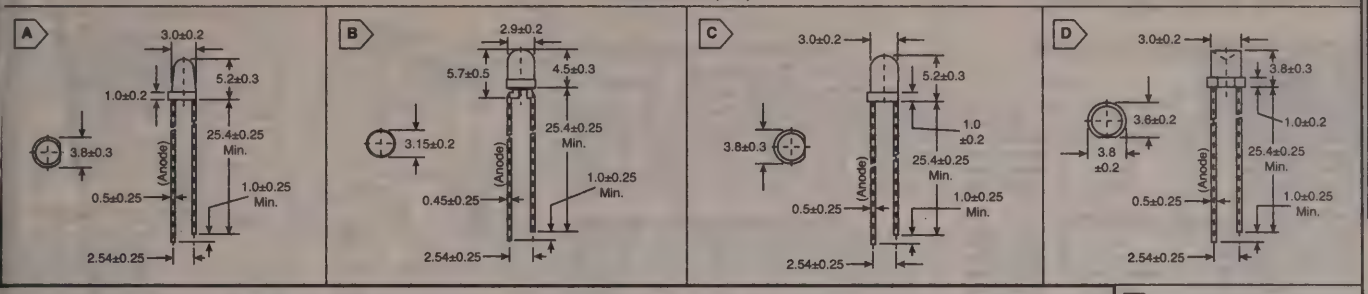
1.9MM ROUND SUBMINIATURE LEDS WITH GULL WING LEADBEND

638-952SURCA2TR7	EL-95-21SURC/S530-A2/TR7	I	Hyper Red	Water Clear	624	482	25°	.18	.15	.12	.09
638-952UBCC430TR7	EL-95-21UBC/C430/TR7	I	Blue	Water Clear	466	203	25°	1.08	.90	.72	.54
638-952UYCA2TR7	EL-95-21UYC/S530-A2/TR7	I	Yellow	Water Clear	589	496	25°	.19	.16	.13	.09
638-952VGCTR7	EL-95-21VGC/TR7	I	Green	Water Clear	571	50	25°	.19	.16	.13	.09

EVERLIGHT LED Lamps

EVERLIGHT

DIMENSIONS (mm)



3MM ROUND SUPER BRIGHT LED LAMPS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Color		Wavelength λD(nm)	Iv(mcd) @I_F=20mA	Angle	Price Each			
			Emitted	Lens				1	100	500	1000
638-1224SDRCS530A4	EL-1224SDRC/S530-A4	A	Deep Red	Water Clear	639	320	20°	.23	.19	.15	.11
638-1224SUBCC470S	EL-1224SUBC/C470/S400-A3	A	Blue	Water Clear	470	400	20°	.62	.52	.41	.31
638-1224SUGCS400	EL-1224SUGC/S400-A5	A	Green	Water Clear	525	2000	30°	1.97	1.64	1.31	.99
638-1224SURCS530	EL-1224SURC/S530-A2	A	Hyper Red	Water Clear	624	160	20°	.11	.09	.07	.06
638-1224UBGCS4004	EL-1224UBGC/S400-A4	A	Blue Green	Water Clear	505	630	25°	1.15	.96	.77	.58
638-1224UWC1B	EL-1224UWC/1B	A	White	Water Clear	-	1000	20°	2.81	2.34	1.87	1.40
638-1224UYCS5302	EL-1224UYC/S530-A2	A	Yellow	Water Clear	589	210	25°	.13	.11	.08	.06
638-1224UYOCS5302	EL-1224UYOC/S530-A2	A	Yellow Orange	Water Clear	605	210	25°	.11	.09	.07	.06
638-264-7SUBCC4704	EL-264-7SUBC/C470/S400-A4	B	Blue	Water Clear	470	500	45°	.66	.55	.44	.33
638-264-7SUGCS4004	EL-264-7SUGC/S400-A4	B	Green	Water Clear	525	2500	45°	1.69	1.41	1.13	.85
638-264-7SURCS5302	EL-264-7SURC/S530-A2	B	Hyper Red	Water Clear	624	110	40°	.11	.09	.07	.06
638-264-7UBGCS400	EL-264-7UBGC/S400	B	Blue Green	Water Clear	505	1600	30°	2.15	1.79	1.43	1.08
638-264-7USOCS5304	EL-264-7USOC/S530-A4	B	Sunset Orange	Water Clear	615	270	40°	.22	.18	.15	.11
638-264-7UYCS5304	EL-264-7UYC/S530-A4	B	Yellow	Water Clear	589	250	40°	.22	.18	.15	.11

3MM ROUND STANDARD LED LAMPS

638-204ED	EL-204ED	C	Orange	Color Diff	625	12.6	70°	.10	.09	.07	.05
638-204ET	EL-204ET	C	Orange	Color Trans	625	40	30°	.10	.09	.07	.05
638-204GD	EL-204GD	C	Green	Color Diff	570	20	70°	.10	.08	.06	.05
638-204GT	EL-204GT	C	Green	Color Trans	570	80	30°	.10	.08	.07	.05
638-204HD	EL-204HD	C	Red	Color Diff	650	2	60°	.08	.07	.05	.04
638-204HT	EL-204HT	C	Red	Color Trans	650	8	30°	.08	.07	.06	.04
638-204ID	EL-204ID	C	Hi-Eff Red	Color Diff	625	12.6	60°	.10	.09	.07	.05
638-204IT	EL-204IT	C	Hi-Eff Red	Color Trans	625	40	30°	.11	.09	.07	.05
638-204YD	EL-204YD	C	Yellow	Color Diff	590	12.6	70°	.11	.09	.07	.05
638-204YT	EL-204YT	C	Yellow	Color Trans	590	50	30°	.11	.09	.07	.05
638-264-7GD	EL-264-7GD	B	Green	Color Diff	570	20	60°	.10	.08	.07	.05
638-264-7GT	EL-264-7GT	B	Green	Color Trans	570	80	40°	.10	.08	.07	.05
638-264-7HD	EL-264-7HD	B	Red	Color Diff	650	2	60°	.09	.07	.06	.04
638-264-7ID	EL-264-7ID	B	Hi-Eff Red	Color Diff	625	20	60°	.11	.09	.07	.05
638-264-7IT	EL-264-7IT	B	Hi-Eff Red	Color Trans	625	32	40°	.11	.09	.07	.05
638-264-7VGC	EL-264-7VGC	B	Green	Water Clear	571	63	40°	.10	.08	.07	.05
638-264-7YD	EL-264-7YD	B	Yellow	Color Diff	590	20	60°	.11	.09	.07	.05
638-264-7YT	EL-264-7YT	B	Yellow	Color Trans	590	32	40°	.11	.09	.07	.05

3MM BACKLIGHT LED LAMPS

638-484ET	EL-484ET	D	Orange	Color Trans	625	4	160°	.12	.10	.08	.06
638-484GT	EL-484GT	D	Green	Color Trans	570	8	160°	.10	.09	.07	.05
638-484YT	EL-484YT	D	Yellow	Color Trans	590	4	160°	.12	.10	.08	.06
638-484IT	EL-484IT	D	Hi-Eff Red	Color Trans	635	4	160°	.13	.11	.09	.06

5MM ROUND SUPER BRIGHT LED LAMPS

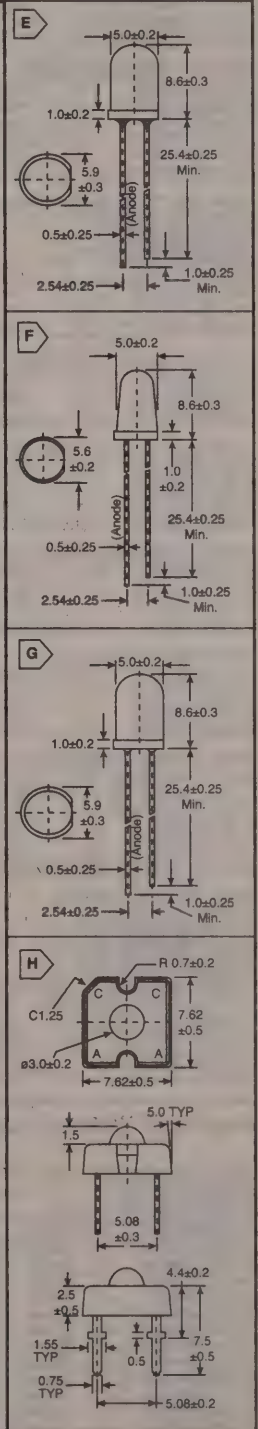
638-333-2SUBC470S3	EL-333-2SUBC/C470/S400-A3	E	Blue	Water Clear	470	1300	10°	.62	.51	.41	.31
638-333-2SUGCS4003	EL-333-2SUGC/S400-A3	E	Green	Water Clear	525	5500	10°	1.18	.98	.79	.59
638-333-2SURCS5306	EL-333-2SURC/S530-A6	E	Hyper Red	Water Clear	624	2750	10°	.35	.29	.23	.18
638-333-2UBGCS4004	EL-333-2UBGC/S400-A4	E	Blue Green	Water Clear	505	4000	15°	2.02	1.68	1.35	1.01
638-333-2USOCS5306	EL-333-2USOC/S530-A6	E	Sunset Orange	Water Clear	615	3590	10°	.35	.29	.23	.18
638-333-2UYCS5306	EL-333-2UYC/S530-A6	E	Yellow	Water Clear	589	3240	10°	.37	.31	.25	.18
638-333-2UWCS400	EL-333-2UWC/S400	E	White	Water Clear	-	1700	20°	.94	.78	.63	.47
638-383-2SDRCS5304	EL-383-2SDRC/S530-A4	F	Deep Red	Water Clear	639	1250	6°	.22	.18	.14	.11
638-383-2SUBCC470S	EL-383-2SUBC/C470/S400-A4	F	Blue	Water Clear	470	1600	8°	1.08	.90	.72	.54
638-383-2SUGCS400	EL-383-2SUGC/S400	F	Green	Water Clear	525	4000	6°	1.69	1.41	1.13	.84
638-383-2UBGCS4004	EL-383-2UBGC/S400-A4	F	Blue Green	Water Clear	505	5000	10°	1.15	.96	.77	.58

5MM ROUND STANDARD LED LAMPS

638-333GD	EL-333GD	G	Green	Color Diff	570	20	60°	.09	.08	.06	.05
638-333GT	EL-333GT	G	Green	Color Trans	570	60	20°	.09	.08	.06	.05
638-333HD	EL-333HD	G	Red	Color Diff	650	4	60°	.08	.07	.06	.04
638-333HT	EL-333HT	G	Red	Color Trans	650	8	20°	.08	.07	.05	.04
638-333ID	EL-333ID	G	Hi-Eff Red	Color Diff	625	20	60°	.10	.09	.07	.05
638-333IT	EL-333IT	G	Hi-Eff Red	Color Trans	625	60	20°	.10	.09	.07	.05
638-333YD	EL-333YD	G	Yellow	Color Diff	590	20	60°	.10	.09	.07	.05
638-333YT	EL-333YT	G	Yellow	Color Trans	590	80	20°	.10	.09	.07	.05

HIGH POWER, 4-PIN LED

638-30-01SUBC	EL-30-01SUBC	H	Blue	Water Clear	470	400	60°	2.87	2.39	1.92	1.44
638-30-01SUGC	EL-30-01SUGC	H	Green	Water Clear	525	400	70°	2.87	2.39	1.92	1.44
638-30-01SURC	EL-30-01SURC	H	Hyper Red	Water Clear	624	1310	70°	.42	.35	.28	.21
638-30-01UBGC	EL-30-01UBGC	H	Blue Green	Water Clear	505	250	60°	1.44	1.20	.96	.72
638-30-01USOC	EL-30-01USOC	H	Sunset Orange	Water Clear	615	1310	70°	.40	.33	.27	.20
638-30-01USRC	EL-30-01USRC	H	Red	Water Clear	631	1310	70°	.39	.32	.26	.19
638-30-01UWC1B	EL-30-01UWC/1B	H	White	Water Clear	-	500	50°	2.87	2.39	1.92	1.44
638-30-01UYC	EL-30-01UYC	H	Yellow	Water Clear	589	1310	70°	.40	.33	.27	.20



FAIRCHILD LED Lamps

FAIRCHILD SEMICONDUCTOR

SURFACE MOUNT LED LAMPS

DIMENSIONS (IN.)

0603 Size Standard Bright LED Lamps

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage		Luminous Intensity		Peak Wavelength λp (nm)	Viewing Angle (Deg)	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
512-QTLP600C2TR	A	High Eff. Red	Water Clear	2	2.8	5	9	635	100°	.14	.11	.09
512-QTLP600C3	A	Yellow	Water Clear	2	2.8	5	9	585	100°	.14	.11	.09
512-QTLP600C4	A	Green	Water Clear	2.1	2.8	9	18	565	100°	.14	.11	.09
512-QTLP600C7	A	Red	Water Clear	1.9	2.4	10	20	660	100°	.14	.11	.09

0603 Size Super Bright LED Lamps

For quantities of 1000 and up, call for quote.

512-QTLP600CRTR	A	Red	Water Clear	2	2.4	15	35	630	100°	.14	.11	.09
512-QTLP600CETR	A	Orange	Water Clear	2	2.4	15	35	620	100°	.14	.11	.09
512-QTLP600COTR	A	Yellow-Orange	Water Clear	2	2.4	15	35	610	100°	.14	.11	.09
512-QTLP600CYTR	A	Yellow	Water Clear	2	2.4	15	35	590	100°	.14	.11	.09
512-QTLP600CAGTR	A	Yellow-Green	Water Clear	2	2.4	10	15	575	100°	.19	.16	.12
512-QTLP600CIGTR	A	True Green	Water Clear	3.5	4	70	110	520	100°	1.93	1.61	1.29

1206 Size SMD LED Lamps

For quantities of 1000 and up, call for quote.

512-QTLP650C2	E	Hi-Eff Red	Water Clear	2	2.8	3.6	6	635	140°	.22	.18	.14
512-QTLP650C3	E	Yellow	Water Clear	2	2.8	3.6	6	585	140°	.22	.18	.14
512-QTLP650C4	E	Green	Water Clear	2	2.8	6	10	565	140°	.22	.18	.14
512-QTLP650D2	E	Hi-Eff Red	Red Diff.	2	2.8	2.4	4	635	160°	.22	.18	.14
512-QTLP650D3	E	Yellow	Yellow Diff.	2	2.8	2.4	4	585	160°	.22	.18	.14
512-QTLP650D4	E	Green	Green Diff.	2.1	2.8	4	6	565	160°	.22	.18	.14

1206 Size Super Bright SMD LED Lamps

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage		Luminous Intensity		Peak Wavelength λp (nm)	Viewing Angle (Deg)	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
512-QTLP650CR	F	Red	Water Clear	2.1	2.8	12	25	660	140°	.22	.18	.14
512-QTLP650CY	F	Yellow	Water Clear	2.1	2.8	26	44	590	140°	.22	.18	.14
512-QTLP650CE	F	Orange	Water Clear	1.7	2.8	16	28	620	140°	.22	.18	.14

1206 Size Super Bright Right Angle SMD LED Lamps

For quantities of 1000 and up, call for quote.

512-QTLP610CR	G	Red	Water Clear	2	2.8	10	15	660	140°	.20	.16	.13
512-QTLP610CY	G	Yellow	Water Clear	2.1	2.8	18	30	590	140°	.20	.16	.13
512-QTLP610CE	G	Orange	Water Clear	2	2.8	18	30	620	140°	.20	.16	.13

1206 Size with Lens SMD LED Lamps

For quantities of 1000 and up, call for quote.

512-QTLP651C2	H	Hi-Eff Red	Water Clear	2	2.8	6	15	635	20°	.22	.18	.14
512-QTLP651C3	H	Yellow	Water Clear	2	2.8	7	16	585	20°	.22	.18	.14
512-QTLP651C4	H	Green	Water Clear	2.1	2.8	12	20	565	20°	.22	.18	.14
512-QTLP651C7	H	AlGaAs Red	Water Clear	1.7	2.4	18	30	660	20°	.22	.18	.14

1206 Size Package Round Top SMD LED Lamps

For quantities of 1000 and up, call for quote.

512-QTLP652C2	I	Hi-Eff Red	Water Clear	2	2.8	4	9	635	140°	.24	.20	.16
512-QTLP652C3	I	Yellow	Water Clear	2	2.8	4	9	585	140°	.24	.20	.16
512-QTLP652C4	I	Green	Water Clear	2.1	2.8	7	13	565	140°	.24	.20	.16
512-QTLP652C7	I	AlGaAs Red	Water Clear	1.7	2.4	7	18	660	140°	.24	.20	.16

PLCC SMD LED Lamps

For quantities of 1000 and up, call for quote.

512-QTLP670C2	C	Hi-Eff Red	Water Clear	2	2.8	6	10	635	120°	.24	.20	.16
512-QTLP670C3	C	Yellow	Water Clear	2	2.8	6	10	585	120°	.24	.20	.16
512-QTLP670C4	C	Green	Water Clear	2.1	2.8	15	25	565	120°	.24	.20	.16
512-QTLP670C7	C	Red	Water Clear	1.7	2.4	25	40	660	120°	.28	.23	.18

PLCC-2 Super Bright SMD LED Lamps

For quantities of 1000 and up, call for quote.

512-QTLP670CIGTR	C	True Green	Water Clear	3.5	4	75	115	520	100°	1.69	1.41	1.13
512-QTLP670COTR	C	Yellow-Orange	Water Clear	2	2.4	25	65	610	100°	.24	.20	.16
512-QTLP670CAGTR	C	Yellow-Green	Water Clear	2	2.4	15	30	575	100°	.29	.24	.19
512-QTLP670CR	C	Red	Water Clear	1.7	2.4	36	42	660	120	.24	.20	.16
512-QTLP670CY	C	Yellow	Water Clear	1.7	2.8	29	45	590	120	.24	.20	.16
512-QTLP670CE	C	Orange	Water Clear	2.1	2.8	40	60	620	120	.24	.20	.16

Blue SMD LED Lamps

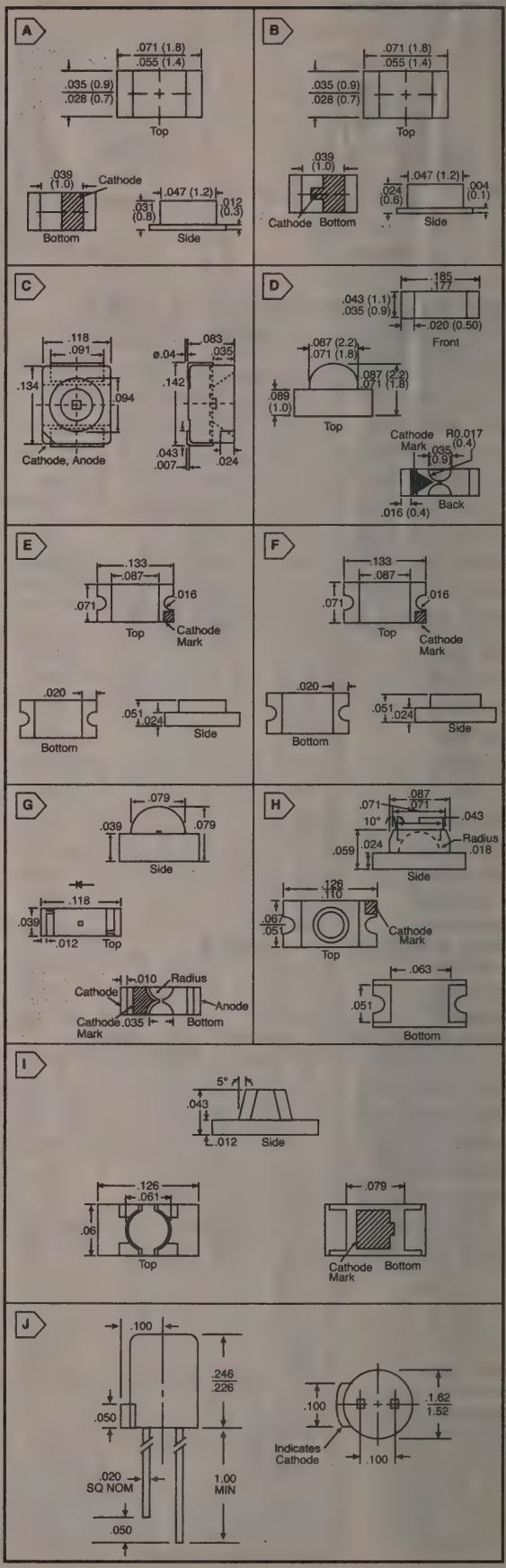
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Lens Color	Forward Voltage		Luminous Intensity		Peak Wavelength λp (nm)	Viewing Angle (Deg)	Price Each		
				Typ.	Max.	Min.	Typ.			1	100	500
512-QTLP600CBTR	A	0603	Water Clear	3.8	4.5	15	20	430	100°	.70	.58	.47
512-QTLP600CEBTR	A	0603	Water Clear	2.75*	2.95*	8*	16*	470*	100°	1.07	.82	.67
512-QTLP601CEBTR	B	0603	Water Clear	2.75*	2.95*	8*	16*	470*	120°	.70	.45	.30
512-QTLP600CIBTR	A	0603	Water Clear	3.5	4	15	25	465	100°	1.70	1.42	1.14
512-QTLP670CIBTR	C	PLCC-2	Water Clear	3.5	4	30	60	465	120°	1.48	1.23	.98
512-QTLP610CEBTR	D	Right Angle	Water Clear	2.75*	2.95*	8*	16*	475*	120°	1.25	1.00	.85

4MM FLAT TOP LED LAMPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage		Luminous Intensity		Peak Wavelength λp (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
512-HLMPM200	J	Hi-Eff	Red Red Diff.	2.2	3	3.4	5	635	135°	.14	.11	.09
512-HLMPM201	J	Hi-Eff	Red Red Diff.	2.2	3	5.4	7	635	135°	.14	.11	.09
512-HLMPM250	J	Hi-Eff	Red Red Clear	2.2	3	3.4	5	635	80°	.14	.11	.09
512-HLMPM251	J	Hi-Eff	Red Red Clear	2.2	3	5.4	7	635	80°	.14	.11	.09
512-HLMPM500	J	Green	Green Diff.	2.3	3	4.2	7	565	135°	.14	.11	.09
512-HLMPM501	J	Green	Green Diff.	2.3	3	6.7	10	565	135°	.14	.11	.09
512-HLMPM550	J	Green	Green Clear	2.3	3	4.2	10	565	80°	.14	.11	.09
512-HLMPM551	J	Green	Green Clear	2.3	3	6.7	16	565	80°	.14	.11	.09
512-HLMPM300	J	Yellow	Y Diffused	2.2	3	3.6	5	585	135°	.14	.11	.09
512-HLMPM301	J	Yellow	Y Diffused	2.2	3	5.7	7	585	135°	.14	.11	.09
512-HLMPM350	J	Yellow	Yellow Clear	2.2	3	3.6	5	585	80°	.14	.11	.09
512-HLMPM351	J	Yellow	Yellow Clear	2.2	3	5.7	7	585	80°	.14	.11	.09



MOUSER ELECTRONICS a ttl company

(800) 346-6873

LED LAMPS

DIMENSIONS (IN.)

Standard T-3/4 LED Lamps

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage		Luminous Intensity		Peak Wavelength λp (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
512-HLMP6305A	A	Hi-Eff Red	Red Clear	1.8	3	3	12	635	25°	.50	.42	.30
512-HLMP6305A.ZR	C	Hi-Eff Red	Red Clear	1.8	3	3	12	635	25°	.22	.18	.15
512-HLMP6405A	A	Yellow	Yellow Clear	1.8	3	3	12	585	28°	.30	.24	.22
512-HLMP6405A.ZR	C	Yellow	Yellow Clear	1.8	3	3	12	585	28°	.30	.24	.22
512-HLMP6505A.ZR	C	Green	Green Clear	2	3	3	12	570	25°	.22	.18	.15

T-100 Low Current LED Lamps

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage		Luminous Intensity		Peak Wavelength λp (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
512-HLMP-K155	B	Red	Red Clear	1.6	1.8	2	3	660	45°	.13	.11	.08
512-HLMPK150	B	Red	Red Diff.	1.6	1.8	1.2	2	660	60°	.13	.11	.08
512-HLMP-1700	B	Hi-Eff Red	Red Diff.	1.8	2.2	1	2	635	50°	.14	.11	.09
512-HLMP1719	B	Yellow	Yellow Diff.	1.9	2.7	1	2	565	50°	.14	.11	.09
512-HLMP1790	B	Green	Green Diff.	1.9	2.7	1	2	565	50°	.14	.11	.09

Standard T-1

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage		Luminous Intensity		Peak Wavelength λp (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
512-MV5774C	D	Hi-Eff Red	Red Diff.	2	3	1.5	9	635	90°	.16	.14	.11
512-MV5474C	D	Hi-Eff Green	Green Diff.	2.2	3	1.2	9	565	90°	.16	.14	.11
512-MV5374C	D	Yellow	Yellow Diff.	2.1	3	1.8	9	585	90°	.16	.14	.11

T-1 3/4 Maximum Contrast LED Lamps

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage		Luminous Intensity		Peak Wavelength λp (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
512-MV6151	E	Hi-Eff Red	Pale O Diff.	2.1	3	3	12	635	70°	.15	.13	.11
512-MV6951	E	Red	Pale Pink Diff.	1.8	3	3	12	660	70°	.15	.13	.11
512-MV6451	E	Green	Pale G Diff.	2.3	3	3	12	565	70°	.15	.13	.11
512-MV6351	E	Yellow	Pale Y Diff.	2.2	3	3	12	585	70°	.15	.13	.11

Standard T-1 3/4 Low Current LED Lamps

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage		Luminous Intensity		Peak Wavelength λp (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
512-HLMP-D150A	F	Red	Red Diff.	1.6	1.8	1.2	3	660	65°	.13	.11	.08
512-HLMP4700	F	Hi-Eff Red	Red Diff.	1.8	2.2	1.2	2	635	35°	.13	.11	.08
512-HLMP4740	F	Green	Green Diff.	1.9	2.7	1.2	3	565	35°	.13	.11	.08
512-HLMP4719	F	Yellow	Yellow Diff.	1.9	2.7	1.2	3	585	35°	.13	.11	.08

Dual Color T-1 3/4 LED Lamps

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage		Luminous Intensity		Peak Wavelength λp (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
512-MV5337	G	Red/Yellow	White Diff.	2.1	3	2	6	635/585	100°	.28	.24	.20
512-MV5437	G	Red/Green	White Diff.	2.1	3	2	6	635/565	100°	.28	.24	.20

Ultra Bright T-1 3/4 LED Lamps

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage		Luminous Intensity		Peak Wavelength λp (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
512-HLMP3750A	H	Hi-Eff Red	Orange Clear	2.2	3	80	150	635	24°	.13	.11	.08
512-HLMP3950A	H	Hi-Eff Green	Pale Grn Tint	2.2	3	80	150	565	24°	.13	.11	.08
512-HLMP3850A	H	Yellow	Pale Yel Tint	2.2	3	80	150	585	24°	.13	.11	.08

T-100 Super Bright Clear Lens LED Lamps

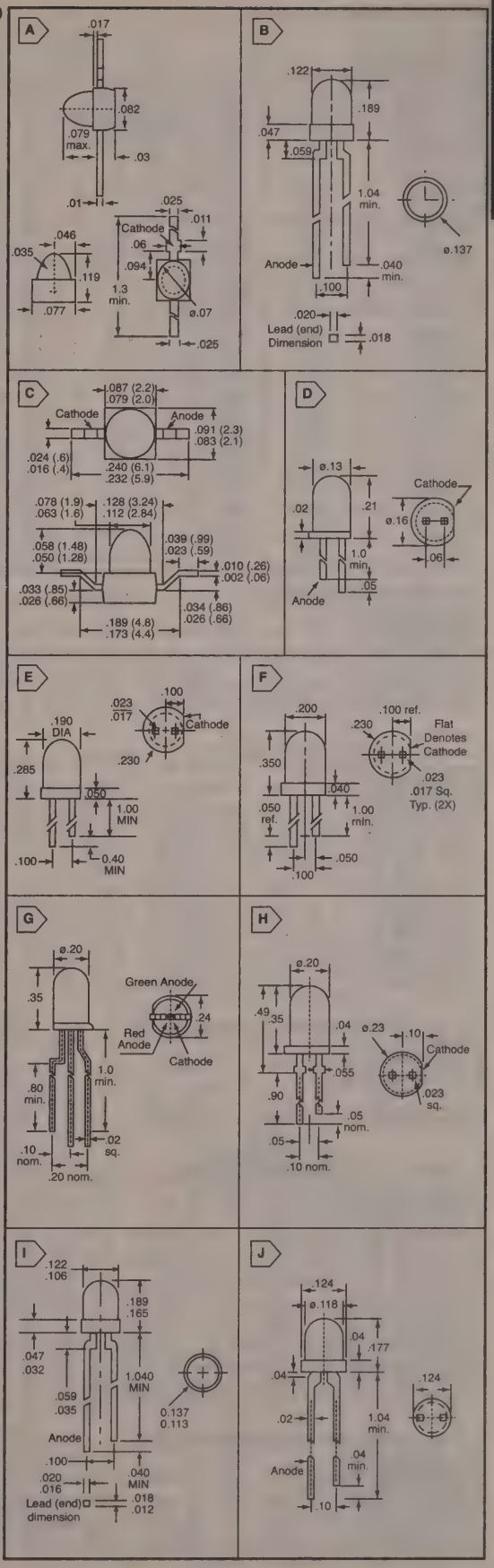
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage		Luminous Intensity		Peak Wavelength λp (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
512-MV7042	I	AlInGaP Red	Water Clear	2.1	2.8	100	150	645	60°	.43	.37	.31
512-MV7043	I	AlInGaP Red	Water Clear	2.1	2.8	160	240	645	60°	.43	.37	.31
512-MV7044	I	AlInGaP Red	Water Clear	2.1	2.8	250	375	645	60°	.43	.37	.31
512-MV7342	I	Yellow	Water Clear	2.1	2.8	100	150	590	60°	.43	.37	.31
512-MV7343	I	Yellow	Water Clear	2.1	2.8	160	240	590	60°	.43	.37	.31
512-MV7344	I	Yellow	Water Clear	2.1	2.8	250	375	590	60°	.43	.37	.31
512-MV7441	I	Green	Water Clear	2.1	2.8	100	150	570	60°	.38	.33	.27
512-MV7442	I	Green	Water Clear	2	3	160	240	570	60°	.38	.33	.27
512-MV7742	I	Orange	Water Clear	2.1	2.8	100	150	620	60°	.43	.37	.31
512-MV7743	I	Orange	Water Clear	2.1	2.8	160	240	620	60°	.43	.37	.31
512-MV7744	I	Orange	Water Clear	2.1	2.8	250	375	620	60°	.43	.37	.31
512-MV7842	I	Orange Red	Water Clear	2.1	2.8	100	150	630	60°	.43	.37	.31
512-MV7843	I	Orange Red	Water Clear	2.1	2.8	160	240	630	60°	.43	.37	.31
512-MV7844	I	Orange Red	Water Clear	2.1	2.8	250	375	630	60°	.43	.37	.31
512-MV5B60	I	GaN/SiC Blue	Water Clear	3.8	5.5	200	350	430	35°	1.18	1.01	.84
512-MV5B640	I	GaN/SiC Blue	Blue Diff.	3.8	5.5	80	120	430	45°	1.18	1.01	.84

Super Bright T-1 LED Lamps

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage		Luminous Intensity		Peak Wavelength λp (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
512-HLMP1340	J	Hi-Eff Red	Pale Org Tint	2.2	3	24	60	635	45°	.13	.11	.08
512-HLMP1540	J	Hi-Eff Green	Pale Grn Tint	2.2	3	24	60	565	45°	.14	.11	.09
512-HLMP1440	J	Yellow	Pale Yel Tint	2.2	3	24	60	585	45°	.13	.11	.08
512-HLMPK105	J	Red	Water Clear	1.8	2.2	35	65	660	45°	.13	.11	.08



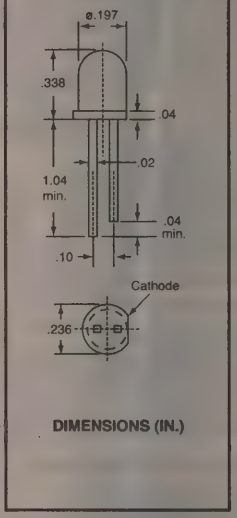
FAIRCHILD LED Circuit Board Indicators and LED Lamps

FAIRCHILD SEMICONDUCTOR

SUPER BRIGHT T-1 3/4

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Color		Forward Voltage		Luminous Intensity		Peak Wave-length lp (nm)	Viewing Angle	Price Each		
	LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
512-MV8102	Red	Water Clear	1.7	2.4	250	370	660	20°	.23	.20	.16
512-MV8103	Red	Water Clear	1.7	2.4	630	940	660	20°	.23	.20	.16
512-MV8104	Red	Water Clear	1.7	2.4	1000	1500	660	20°	.23	.20	.16
512-MV8190	Red	Red Diff	1.7	2.4	63	100	660	45°	.26	.22	.18
512-MV8191	Red	Red Diff	1.7	2.4	100	200	660	45°	.26	.22	.18
512-MV8140	Red	Water Clear	1.7	2.4	120	220	660	40°	.28	.24	.20
512-MV8141	Red	Water Clear	1.7	2.4	250	370	660	40°	.28	.24	.20
512-MV8111	Red	Water Clear	1.7	2.4	250	370	660	12°	.23	.20	.16
512-MV8112	Red	Water Clear	1.7	2.4	630	930	660	12°	.23	.20	.16
512-MV8113	Red	Water Clear	1.7	2.4	1000	1500	660	12°	.23	.20	.16
512-MV8114	Red	Water Clear	1.7	2.4	1600	2400	660	12°	.23	.20	.16
512-MV8410	Green	Water Clear	2.1	2.8	160	240	565	12°	.26	.22	.18
512-MV8411	Green	Water Clear	2.1	2.8	240	370	565	12°	.26	.22	.18
512-MV8412	Green	Water Clear	2.1	2.8	250	620	565	12°	.26	.22	.18
512-MV8303	Yellow	Water Clear	2.1	2.8	630	940	590	20°	.38	.33	.27
512-MV8304	Yellow	Water Clear	2.1	2.8	1000	1500	590	20°	.38	.33	.27
512-MV8305	Yellow	Water Clear	2.1	2.8	1600	2400	590	20°	.38	.33	.27
512-MV8313	Yellow	Water Clear	2.1	2.8	630	940	590	12°	.38	.33	.27
512-MV8314	Yellow	Water Clear	2.1	2.8	1000	1500	590	12°	.38	.33	.27
512-MV8315	Yellow	Water Clear	2.1	2.8	1600	2400	590	12°	.38	.33	.27
512-MV8316	Yellow	Water Clear	2.1	2.8	2500	3500	590	12°	.40	.34	.28
512-MV8341	Yellow	Water Clear	2.1	2.8	160	220	660	45°	.40	.34	.28
512-MV8342	Yellow	Water Clear	2.1	2.8	250	370	590	45°	.40	.34	.28
512-MV8703	Orange	Water Clear	2.1	2.8	630	940	620	20°	.38	.33	.27
512-MV8704	Orange	Water Clear	2.1	2.8	1000	1500	620	20°	.38	.33	.27
512-MV8705	Orange	Water Clear	2.1	2.8	1600	2400	620	20°	.38	.33	.27
512-MV8713	Orange	Water Clear	2.1	2.8	630	940	620	12°	.38	.33	.27
512-MV8714	Orange	Water Clear	2.1	2.8	1000	1500	620	12°	.38	.33	.27
512-MV8715	Orange	Water Clear	2.1	2.8	1600	2400	620	12°	.38	.33	.27
512-MV8716	Orange	Water Clear	2.1	2.8	2500	3500	620	12°	.38	.33	.27
512-MV8741	Orange	Water Clear	2.1	2.8	250	370	620	45°	.40	.34	.28
512-MV8742	Orange	Water Clear	2.1	2.8	400	600	620	45°	.40	.34	.28



DIMENSIONS (IN.)

T-1 PCB INDICATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Description	V_F	mcd	mA	Price Each		
							1	100	500
512-MV5064.MP4B	A	Red	Right angle	1.6	1.5	20	.34	.29	.24
512-MV5364.MP4B	A	Yellow	Right angle	2.1	2	10	.34	.29	.24
512-MV5464.MP4B	A	Green	Right angle	2.2	5	20	.34	.29	.24
512-MV5764.MP4B	A	Hi-Eff.Red	Right angle	2	2	10	.34	.29	.24

T-1 3/4 PCB INDICATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Description	V_F	mcd	mA	Price Each		
							1	100	500
512-MV60539.MP5	B	Red	Straight	1.7	3.2	20	.34	.29	.24
512-MV63539.MP5	B	Yellow	Straight	2.1	20	20	.34	.29	.24
512-MV64539.MP5	B	Green	Straight	2.2	28	20	.34	.29	.24
512-MV67539.MP5	B	Hi-Eff.Red	Straight	2.1	15	20	.34	.29	.24
512-MV60539.MP6	C	Red	Right angle	1.7	3.2	20	.34	.29	.24
512-MV63539.MP6	C	Yellow	Right angle	2.1	20	20	.34	.29	.24
512-MV64539.MP6	C	Green	Right angle	2.2	28	20	.34	.29	.24
512-MV67539.MP6	C	Hi-Eff.Red	Right angle	2.1	15	20	.34	.29	.24
512-MV60539.MP7	D	Red	Right angle	1.7	3.2	20	.34	.29	.24
512-MV63539.MP7	D	Yellow	Right angle	2.1	20	20	.34	.29	.24
512-MV64539.MP7	D	Green	Right angle	2.2	28	20	.34	.29	.24
512-MV67539.MP7	D	Hi-Eff.Red	Right angle	2.1	15	20	.34	.29	.24

T-1 3/4 BI-COLOR PCB INDICATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Description	V_F	mcd	mA	Price Each		
							1	100	500
512-MV54919.MP5	B	Red/green	Straight angle	2.3	6	20	.57	.49	.41
512-MV54919.MP6	C	Red/green	Right angle	2.3	6	20	.57	.49	.41
512-MV54919.MP7	D	Red/green	Right angle	2.3	6	20	.57	.49	.41

T-1 3/4 UNIT PCB INDICATORS

For quantities of 1000 and up, call for quote.

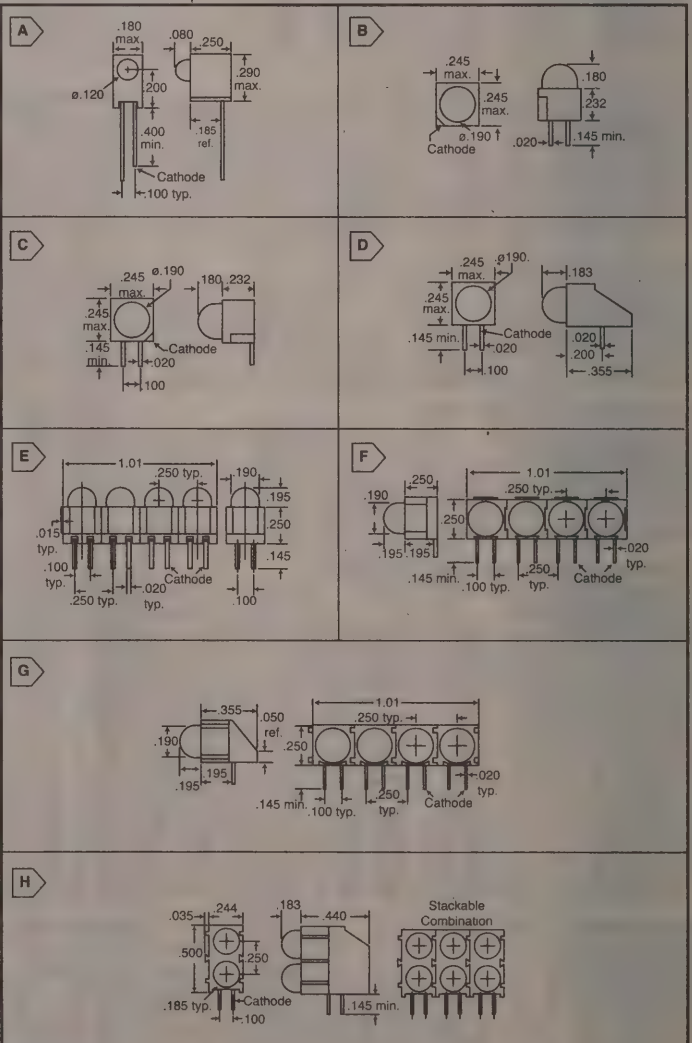
MOUSER STOCK NO.	Fig.	Color	Description	V_F	mcd	mA	Price Each		
							1	100	500
512-MV60539.MP8	E	Red	4 lamp straight	1.7	3.2	20	1.48	1.27	1.05
512-MV63539.MP8	E	Yellow	4 lamp straight	2.1	20	20	1.48	1.27	1.05
512-MV64539.MP8	E	Green	4 lamp straight	2.2	28	20	1.48	1.27	1.05
512-MV67539.MP8	E	Hi-Eff.Red	4 lamp straight	2.1	15	20	1.48	1.27	1.05
512-MV60539.MP8A	F	Red	4 lamp right angle	1.7	3.2	20	1.48	1.27	1.05
512-MV63539.MP8A	F	Yellow	4 lamp right angle	2.1	20	20	1.48	1.27	1.05
512-MV64539.MP8A	F	Green	4 lamp right angle	2.2	28	20	1.48	1.27	1.05
512-MV67539.MP8A	F	Hi-Eff.Red	4 lamp right angle	2.1	15	20	1.48	1.27	1.05
512-MV60539.MP8B	G	Red	4 lamp right angle	1.7	3.2	20	1.48	1.27	1.05
512-MV63539.MP8B	G	Yellow	4 lamp right angle	2.1	20	20	1.48	1.27	1.05
512-MV64539.MP8B	G	Green	4 lamp right angle	2.2	28	20	1.48	1.27	1.05
512-MV67539.MP8B	G	Hi-Eff.Red	4 lamp right angle	2.1	15	20	1.48	1.27	1.05

T-1 3/4 BI-LEVEL PCB INDICATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Description	V_F	mcd	mA	Price Each		
							1	100	500
512-MV60539.MP90	H	Red	Bi-level	1.7	3.2	20	.72	.61	.52
512-MV63539.MP93	H	Yellow	Bi-level	2.1	20	20	.72	.61	.52
512-MV64539.MP94	H	Green	Bi-level	2.2	28	20	.72	.61	.52
512-MV67539.MP97	H	Hi-Eff.Red	Bi-level	2.1	15	20	.72	.61	.52

DIMENSIONS (IN.)

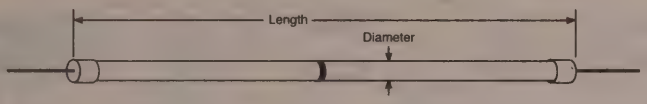


JKL CCFL Lamps and Inverters

JKL Components Corporation

DIMENSIONS in mm

A



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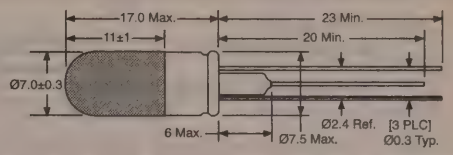


Cold Cathode Florescent Lamps (CCFL)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Diameter (mm)	Length (mm)	Lamp Volts (V)	Start Volts (V)	Lamp Curr. (mA)	Intensity (Cd./m2)	Price Each 1	10	50	100
2.0mm diameter lamps, White												
560-BF20218-24B	BF20218-24B	A	2	218	740	1700	5	38000	11.34	10.29	8.64	8.35
560-BF20292-24B	BF20292-24B	A	2	292	810	1820	5	38000	12.77	11.55	9.72	9.32
2.2mm diameter lamps, White												
560-BF2261-24B	BF2261-24B	A	2.2	61	235	680	5	38000	10.29	9.31	7.84	7.45
560-BF22140-24B	BF22140-24B	A	2.2	140	340	730	5	38000	10.29	9.31	7.84	7.64
560-BF22258-25B	BF22258-25B	A	2.2	258	720	1700	5	38000	10.29	9.31	8.28	8.19
2.6mm diameter lamps, White												
560-BF26188-20B	BF26188-20B	A	2.6	188	525	1300	5	30000	10.29	9.31	7.84	7.59
560-BF26214-20B	BF26214-20B	A	2.6	214	620	1450	5	30000	10.29	9.31	8.18	8.04
560-BF26240-24B	BF26240-24B	A	2.6	240	505	1250	5	30000	12.76	11.55	9.72	9.32
560-BF26250-24B	BF26250-24B	A	2.6	250	525	1300	5	30000	12.72	11.55	9.72	9.32
560-BF26285-20B	BF26285-20B	A	2.6	285	725	1500	5	30000	12.76	11.55	9.72	9.32
560-BF26318-20B	BF26318-20B	A	2.6	318	676	1636	5	34000	12.77	11.52	9.72	9.32
3.2mm diameter lamps, White												
560-BF350-20B	BF350-20B	A	3.2	50	195	500	5	28000	10.29	9.31	7.84	7.45
560-BF375-20B	BF375-20B	A	3.2	75	210	525	5	28000	10.29	9.31	7.84	7.45
560-BF3100-20B	BF3100-20B	A	3.2	41	270	665	5	28000	10.29	9.31	7.84	7.54
560-BF3160-20B	BF3160-20B	A	3.2	160	345	850	5	28000	10.29	9.31	7.84	7.54
560-BF3216-20B	BF3216-20B	A	3.2	216	440	1100	5	28000	10.29	9.31	7.84	7.64
560-BF3222-24B	BF3222-24B	A	3.2	222	440	1100	5	28000	10.29	9.31	7.84	7.64
560-BF3228-21B	BF3228-21B	A	3.2	228	460	1150	5	28000	10.29	9.31	7.84	7.64
560-BF3250-20B	BF3250-20B	A	3.2	250	520	1200	5	28000	10.29	9.31	7.84	7.45
560-BF3300-20B	BF3300-20B	A	3.2	300	665	1350	5	28000	12.76	11.55	9.72	9.32
560-BF3380-20B	BF3380-20B	A	3.2	380	825	1590	5	28000	12.76	11.55	9.72	9.32
4.1mm diameter lamps, White												
560-BF4220-20B	BF4220-20B	A	4.1	220	405	410	5	15000	10.29	9.31	7.84	7.45
560-BF4418-20B	BF4418-20B	A	4.1	418	765	1400	5	15000	13.69	12.39	10.44	9.99
5.6mm diameter lamps, White												
560-BF5118-20B	BF5118-20B	A	5.6	118	305	600	5	7000	10.29	9.31	7.84	7.45
560-BF5165-20B	BF5165-20B	A	5.6	165	400	800	5	7000	10.29	9.31	7.84	7.45
560-BF5200-20B	BF5200-20B	A	5.6	200	445	850	5	7000	10.29	9.31	7.84	7.45
560-BF5300-20B	BF5300-20B	A	5.6	300	600	410	5	7000	10.29	9.31	7.84	7.45
6.5mm diameter lamps, White												
560-BF6150-20B	BF6150-20B	A	6.5	150	250	600	5	6500	10.29	9.31	7.84	7.45
560-BF6165-20B	BF6165-20B	A	6.5	165	255	600	5	6500	10.29	9.31	7.84	7.45

For quantities of 250 and up, call for quote.

Ultra Violet Lamps 365nm

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Diameter (mm)	Length (mm)	Operating Volts (V)	Start Volts (V)	Watts @ 5mA	Output uW/cm2@1"	Price Each 1	10	50	100
560-BF350-UV1	BF350-UV1	A	3	50	195	500	0.98	0.3	10.29	9.31	7.84	7.45
560-BF3100-UV1	BF3100-UV1	A	3	41	270	675	1.35	0.25	10.29	9.31	7.84	7.45
560-BF959-UV1/3	BF959-UV1/3	A	9	59	150	375	0.75	0.15	10.29	9.31	7.84	7.45

Hot Cathode Lamps

For quantities of 250 and up, call for quote.

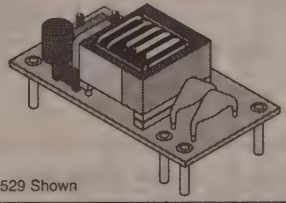
MOUSER STOCK NO.	JKL Components Part No.	Fig.	Diameter (mm)	Length (mm)	Color	Running Voltage (V)	Current (mA)	Intensity	Price Each 1	10	50	100
560-BGF717-UV1	BGF717-UV1	B	7	17	Ultraviolet (365 nm)	10	14	.1mW/Cm2@365 nm	10.29	9.31	7.84	7.45
560-BGF717-22	BGF717-22	B	7	17	White	10	14	3000 Cd/m2	10.29	9.31	7.84	7.45

Inverters for Fluorescent Lamps

* Connectors Below

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Description	Input Volt (V)	Output Volts (V)	Output Current (mA)	Price Each 1	10	50	100
560-BXA-302	BXA-302	Single Output	3	650	4.5	13.23	11.97	10.08	9.59
560-BXA-502	BXA-502	Single Output	5	650	4.5	15.12	13.86	11.97	10.89
*560-BXA-503	BXA-503	Single Output	6	1200	5	14.95	13.53	11.39	10.69
560-BXA-12529	BXA-12529	Dual Output	12	850	5.5	15.12	13.86	11.97	10.89
560-BXA-12529/PSI	BXA-12529/PSI	Dual Output, Potted	12	850	5.5	15.12	13.86	11.97	10.89
560-BXA-12576	BXA-12576	Single Output	12	800	4	15.12	13.86	11.97	10.89
*560-BXA-12579	BXA-12579	Dual Output	12	1500	5	15.12	13.86	11.97	10.89
*560-BXA-12617C-6M	BXA-12617C-6M	Single Output,Dimming	12	1200	6.2	14.95	13.53	11.39	10.69
*560-BXA-12563	BXA-12563	Single Output,Dimming	12	410	5	19.49	18.1	15.79	14.59
560-BXA-24529	BXA-24529	Dual Output	24	410	5.5	15.12	13.86	11.97	10.89



BXA-12529 Shown

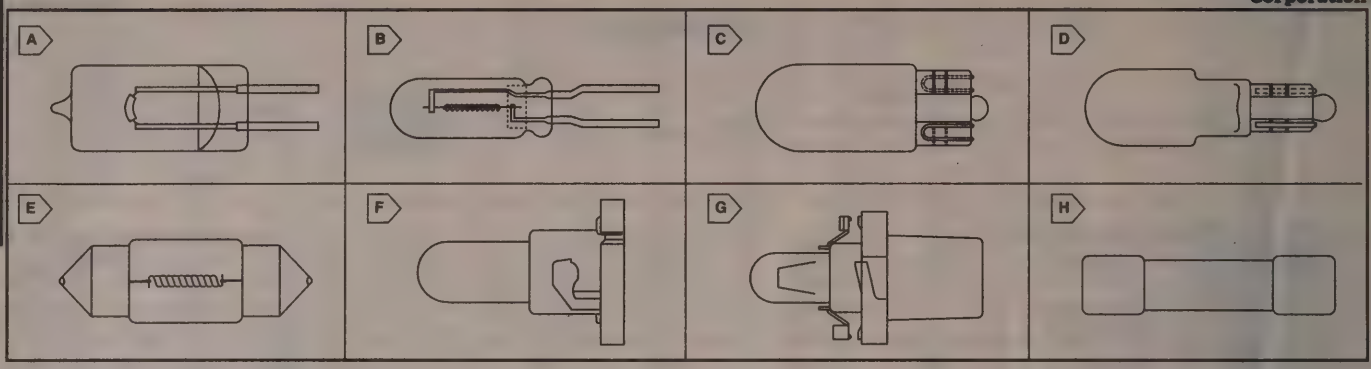
Accessories

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Description	Price Each 1	10	50	100
Input/Output connectors for select inverters.						
560-BXC-10574	BXC-10574	Input Connector for Inverter BXA-503	2.63	2.37	2.00	1.79
560-BXC-10585	BXC-10585	Output Connector for Inverter BXA-503	2.63	2.37	2.00	1.79
560-BXC-10546	BXC-10546	Input Connector for Inverter BXA-12563	2.63	2.37	2.00	1.79
560-BXC-10567	BXC-10567	Output Connector for Inverter BXA-12563	2.63	2.37	2.00	1.79
560-BXC-10580	BXC-10580	Input Connector for Inverter BXA-12617C-6M	2.63	2.37	2.00	1.79
560-BXC-10643	BXC-10643	Output Connector for Inverter BXA-12617C-6M	2.63	2.37	2.00	1.79
560-BXC-10605	BXC-10605	Input Connector for Inverter BXA-12579	2.63	2.37	2.00	1.79
560-BXC-10569	BXC-10569	Output Connector for Inverter BXA-12579	2.63	2.37	2.00	1.79
High Voltage Wire: • Silver plated high voltage wire which is required for proper connection of high voltage inverters to lamp.						
560-BFW-UL3239-24P	BFW-UL3239-24P	24 AWG, Pink, 10Ft.	6.70	5.36	4.69	4.29
560-BFW-UL3239-24W	BFW-UL3239-24W	24 AWG, White, 10Ft.	6.70	5.36	4.69	4.29

JKL COMPONENTS White Lamps and Accessories

JKL Components Corporation



HALOGEN HIGH BRIGHTNESS BULB

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Desc	Lamp Volts (V)	Lamp Curr. (A)	Length (mm)	Diameter (mm)	MSCP (CP)	LUMENS (Lm)	Average Life	Price Each 1	10	50	100
560-GB12417	GB12417	A	G-4	12.0 DC	0.417	21.5	9.0	4.78	60.1	2000	2.80	2.52	2.24	1.96

GAS FILLED GLASS BI-PIN WHITE LIGHT BULB

For quantities of 250 and up, call for quote.

560-XE2405	XE2405	B	2 Bi-Pin	24	0.208	20.0	7.0	3.2	40.0	10000	2.38	2.14	1.90	1.66
560-XE2410	XE2410	B	2 Bi-Pin	24	0.417	20.0	7.0	7.6	95.0	10000	2.38	2.14	1.90	1.66

GAS FILLED GLASS WEDGE BASE WHITE LIGHT BULB

For quantities of 250 and up, call for quote.

560-XE112	XE112	C	T-3 1/4	12	0.270	26.8	10.3	3.0	37.6	1000	1.50	1.35	1.20	1.05
560-XE135B	XE135B	C	T-3 1/4	13.5	0.375	26.8	10.3	5.0	62.8	3000	2.25	2.03	1.80	1.58
560-XE359	XE359	C	T-3 1/4	14	0.214	26.8	10.3	2.0	25.0	10000	1.50	1.35	1.20	1.05
560-XE659	XE659	C	T-3 1/4	28	0.220	26.8	10.3	4.38	55.0	5000	1.50	1.35	1.20	1.05

GLASS WEDGE HI-BRIGHT INCANDESCENT

For quantities of 250 and up, call for quote.

560-EWG103	EWG103	D	T-1 1/2	14	0.220	16.5	6.8	1.7	21.32	1500	.73	.65	.58	.51
560-EWG203	EWG203	D	T-1 1/2	14	0.115	16.5	6.8	0.9	11.31	1500	.73	.65	.58	.51

FESTOON INCANDESCENT LAMPS

For quantities of 250 and up, call for quote.

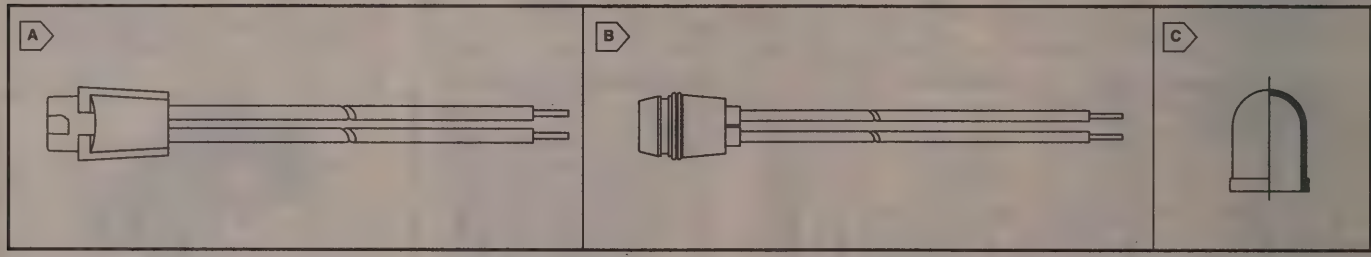
560-A3173B	A3173B	E	Axial	12	0.770	30.0	10.0	9.5	120	400	1.03	.92	.82	.72
560-A3175B	A3175B	E	Axial	24	0.620	30.0	10.0	6.0	75	400	1.03	.92	.82	.72

NEO-WEDGE INCANDESCENT LAMPS

For quantities of 250 and up, call for quote.

560-CNW123	CNW1-23	F	T-1	14	0.040	9.0	3.0	0.15	1.89	16000	.65	.59	.52	.46
560-DNW1DW10	DNW1-DW10	F	T-1 1/4	14	0.100	14.0	4.2	0.50	5.29	10000	.63	.56	.50	.44
560-ENW1EW87	ENW1-EW87	F	T-1 1/2	14	0.140	14.5	4.7	0.95	12.00	7000	.88	.79	.70	.61
560-WWT1EW10	WWT1-EW10	G	PCB mount	14	0.100	21.9	4.7	0.50	6.29	6000	.75	.68	.60	.53
560-GF550	GF550	H	fuse style	6	0.200	31.0	6.4	0.40	5.03	5000	1.03	.92	.82	.72
560-GF780	GF780	H	fuse style	12	0.150	31.0	6.4	0.70	9.00	5000	1.03	.92	.82	.72

ACCESSORIES



Sockets for T-1 1/2 Glass Wedge Bulbs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Description	Price Each 1	10	100	500
560-2967	2967	A	6in leads	.65	.59	.52	.46
560-2948	2948	B	6in leads	.50	.45	.40	.35

Color Filters for T-1 Bulbs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Description	Price Each 1	10	100	500
560-39021A	39-02-1A	C	Red	.20	.18	.16	.14
560-39025A	39-02-5A	C	Blue	.20	.18	.16	.14
560-39024A	39-02-4A	C	Green	.20	.18	.16	.14
560-39023A	39-02-3A	C	Yellow	.20	.18	.16	.14

Color Filters for T-1 3/4 Bulbs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Description	Price Each 1	10	100	500
560-39081A	39-08-1A	C	Red	.20	.18	.16	.14
560-39085A	39-08-5A	C	Blue	.20	.18	.16	.14
560-39084A	39-08-4A	C	Green	.20	.18	.16	.14
560-39083A	39-08-3A	C	Yellow	.20	.18	.16	.14

Color Filters for T-3 1/4 Bulbs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Description	Price Each 1	10	100	500
560-39121A	39-12-1A	C	Red	.28	.25	.22	.19
560-39125A	39-12-5A	C	Blue	.28	.25	.22	.19
560-39124A	39-12-4A	C	Green	.28	.25	.22	.19
560-39123A	39-12-3A	C	Yellow	.28	.25	.22	.19

KINGBRIGHT SMD LED Lamps

SURFACE MOUNT LED LAMPS

0603

• Forward current: 20mA

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Typ. Forward Voltage (V)	Luminous Intensity		Peak Wave-length (nm)	Viewing Angle	Price Each				
			LED	Lens		Min.	Typ.			1	100	500	1000	2000+
604-APT1608EC	APT1608EC	A	Red	Water Clear	2	5	12	625	120°	.10	.09	.08	.07	
604-APT1608NW	APT1608NW	A	Orange	White Diff.	2.1	5	12	610	120°	.14	.11	.10	.07	
604-APT1608PGW	APT1608PGW	A	Green	White Diff.	2.3	2	5	555	120°	.13	.11	.09	.06	
604-APT1608PYW	APT1608PYW	A	Yellow	White Diff.	2.1	3	8	585	120°	.14	.11	.10	.07	
604-APT1608QGW	APT1608QGW	A	Green	White Diff.	2.2	3	12	565	120°	.13	.11	.09	.06	
604-APT1608SEC	APT1608SEC	A	Orange	Water Clear	2	80	200	601	120°	.32	.25	.22	.16	
604-APT1608SECK	APT1608SECK	A	Orange	Water Clear	2.1	50	160	601	120°	.25	.20	.17	.12	
604-APT1608SEW/E	APT1608SEW/E	A	Red	White Diff.	2	60	200	621	120°	.41	.33	.28	.21	
604-APT1608SGC	APT1608SGC	A	Green	Water Clear	2.2	3	10	568	120°	.10	.09	.08	.07	
604-APT1608SRCPRV	APT1608SRCPRV	A	Red	Water Clear	1.9	40	100	640	120°	.16	.13	.11	.08	
604-APT1608SURC	APT1608SURC	A	Red	Water Clear	1.9	70	150	628	120°	.32	.26	.22	.16	
604-APT1608SURCK	APT1608SURCK	A	Red	Water Clear	2	50	100	630	120°	.25	.20	.17	.12	
604-APT1608SYC	APT1608SYC	A	Yellow	Water Clear	2	40	80	588	120°	.32	.25	.22	.16	
604-APT1608SYCK	APT1608SYCK	A	Yellow	Water Clear	2	30	60	590	120°	.25	.20	.17	.12	
604-APT1608YC	APT1608YC	A	Yellow	Water Clear	2.1	3	8	588	120°	.19	.15	.13	.10	

0802

• Forward current: 20mA

604-APJA2107EC	APJA2107EC	B	Red	Water Clear	2	5	12	625	120°	.21	.17	.15	.12	
604-APJA2107NC	APJA2107NC	B	Orange	Water Clear	2.1	3	8	610	120°	.21	.17	.15	.11	
604-APJA2107PGC	APJA2107PGC	B	Green	Water Clear	2.3	2	5	555	120°	.21	.17	.15	.11	
604-APJA2107PYC	APJA2107PYC	B	Yellow	Water Clear	2.1	3	8	585	120°	.21	.17	.15	.11	
604-APJA2107SEC	APJA2107SEC	B	Orange	Water Clear	2	50	250	601	120°	.41	.33	.28	.21	
604-APJA2107SECK	APJA2107SECK	B	Orange	Water Clear	2.1	80	200	601	120°	.30	.24	.20	.15	
604-APJA2107SEW/E	APJA2107SEW/E	B	Red	White Diff.	2	80	200	621	120°	.50	.40	.34	.25	
604-APJA2107SGC	APJA2107SGC	B	Green	Water Clear	2.2	3	10	568	120°	.21	.17	.15	.11	
604-APJA2107SRCPRV	APJA2107SRCPRV	B	Red	Water Clear	1.9	40	70	640	120°	.23	.18	.16	.11	
604-APJA2107SURC	APJA2107SURC	B	Red	Water Clear	1.9	80	150	628	120°	.41	.33	.28	.21	
604-APJA2107SURCK	APJA2107SURCK	B	Red	Water Clear	1.9	80	100	630	120°	.30	.24	.20	.15	
604-APJA2107SYC	APJA2107SYC	B	Yellow	Water Clear	2	40	60	588	120°	.41	.33	.28	.21	
604-APJA2107SYCK	APJA2107SYCK	B	Yellow	Water Clear	2	20	60	590	120°	.30	.24	.20	.15	
604-APJA2107YC	APJA2107YC	B	Yellow	Water Clear	2.1	3	8	588	120°	.21	.17	.15	.11	

0805

• Forward current: 20mA

604-APT2012EC	APT2012EC	C	Red	Water Clear	2	5	12	625	120°	.13	.11	.09	.06	
604-APT2012NW	APT2012NW	C	Orange	White Diff.	2.1	5	12	610	120°	.14	.11	.10	.07	
604-APT2012PGW	APT2012PGW	C	Green	White Diff.	2.3	2	5	555	120°	.13	.11	.09	.06	
604-APT2012PYW	APT2012PYW	C	Yellow	White Diff.	2.1	3	8	585	120°	.14	.11	.10	.07	
604-APT2012QGW	APT2012QGW	C	Green	White Diff.	2.2	3	12	565	120°	.13	.11	.09	.06	
604-APT2012SEC	APT2012SEC	C	Orange	Water Clear	2	40	200	601	120°	.32	.25	.22	.16	
604-APT2012SECK	APT2012SECK	C	Orange	Water Clear	2.1	40	160	601	120°	.34	.27	.24	.18	
604-APT2012SEW/E	APT2012SEW/E	C	Red	White Diff.	2	40	200	621	120°	.41	.33	.28	.21	
604-APT2012SGC	APT2012SGC	C	Green	Water Clear	2.2	3	12	568	120°	.19	.15	.13	.10	
604-APT2012SRCPRV	APT2012SRCPRV	C	Red	Water Clear	1.9	20	80	640	120°	.21	.17	.14	.11	
604-APT2012SURC	APT2012SURC	C	Red	Water Clear	1.9	70	150	628	120°	.32	.25	.22	.16	
604-APT2012SURCK	APT2012SURCK	C	Red	Water Clear	1.9	50	100	630	120°	.25	.20	.17	.12	
604-APT2012SYCK	APT2012SYCK	C	Yellow	Water Clear	2	30	50	590	120°	.25	.20	.17	.12	
604-APT2012YC	APT2012YC	C	Yellow	Water Clear	2.1	2	8	588	120°	.19	.16	.13	.10	

1104

• Forward current: 20mA

604-APA3010EC	APA3010EC	D	Red	Water Clear	2	5	12	625	120°	.21	.17	.15	.11	
604-APA3010PGC	APA3010PGC	D	Green	Water Clear	2.3	2	5	555	120°	.21	.17	.15	.14	
604-APA3010PYC	APA3010PYC	D	Yellow	Water Clear	2.1	3	5	585	120°	.21	.17	.15	.14	
604-APA3010QGC	APA3010QGC	D	Green	Water Clear	2.2	3	12	565	120°	.21	.17	.15	.11	
604-APA3010SEC	APA3010SEC	D	Orange	Water Clear	2	50	300	601	120°	.41	.33	.28	.21	
604-APA3010SECK	APA3010SECK	D	Orange	Water Clear	2.1	80	200	601	120°	.30	.24	.20	.15	
604-APA3010SEW/E	APA3010SEW/E	D	Red	White Diff.	2	80	200	621	120°	.50	.40	.34	.25	
604-APA3010SRCPRV	APA3010SRCPRV	D	Red	Water Clear	1.9	20	60	640	120°	.23	.18	.16	.11	
604-APA3010SURC	APA3010SURC	D	Red	Water Clear	1.9	50	120	628	120°	.41	.33	.28	.21	
604-APA3010SURCK	APA3010SURCK	D	Red	Water Clear	1.9	50	100	630	120°	.30	.24	.20	.15	
604-APA3010SYC	APA3010SYC	D	Yellow	Water Clear	2	40	60	588	120°	.41	.33	.28	.21	
604-APA3010SYCK	APA3010SYCK	D	Yellow	Water Clear	2	18	50	590	120°	.30	.24	.20	.15	
604-APA3010YC	APA3010YC	D	Yellow	Water Clear	2.1	3	5	588	120°	.21	.17	.15	.11	

1106

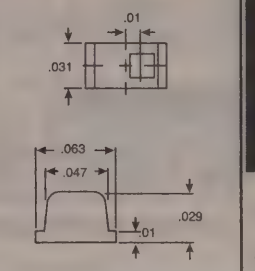
• Forward current: 20mA

604-APL3015EC	APL3015EC	E	Red	Water Clear	2	5	20	625	70°	.16	.13	.11	.08	
604-APL3015NC	APL3015NC	E	Orange	Water Clear	2.1	5	20	610	70°	.17	.13	.11	.08	
604-APL3015PGC	APL3015PGC	E	Green	Water Clear	2.3	2	5	555	70°	.16	.13	.11	.08	
604-APL3015PYC	APL3015PYC	E	Yellow	Water Clear	2.1	3	10	585	70°	.17	.13	.11	.08	
604-APL3015QGC	APL3015QGC	E	Green	Water Clear	2.2	4	20	565	70°	.16	.13	.11	.08	
604-APL3015QYC	APL3015QYC	E	Yellow	Water Clear	2.2	5	20	568	70°	.16	.13	.11	.08	
604-APL3015SEC	APL3015SEC	E	Orange	Water Clear	2	200	500	601	70°	.34	.27	.23	.17	
604-APL3015SECK	APL3015SECK	E	Orange	Water Clear	2.1	80	300	601	70°	.25	.20	.17	.12	
604-APL3015SGC	APL3015SGC	E	Green	Water Clear	2.2	5	20	568	70°	.16	.13	.11	.08	
604-APL3015SRCPRV	APL3015SRCPRV	E	Red	Water Clear	1.9	40	80	640	70°	.18	.15	.12	.09	
604-APL3015SURC	APL3015SURC	E	Red	Water Clear	1.9	100	250	628	70°	.34	.27	.23	.17	
604-APL3015SURCK	APL3015SURCK	E	Red	Water Clear	1.9	80	150	630	70°	.25	.20	.17	.12	
604-APL3015SYC	APL3015SYC	E	Yellow	Water Clear	2	40	150	588	70°	.34	.27	.23	.17	
604-APL3015SYCK	APL3015SYCK	E	Yellow	Water Clear	2	40	100	590	70°	.25	.20	.17	.12	
604-APL3015YC	APL3015YC	E	Yellow	Water Clear	2.1	3	10	588	70°	.17	.13	.11	.08	

CALL FOR QUOTE

DIMENSIONS (IN.)

A



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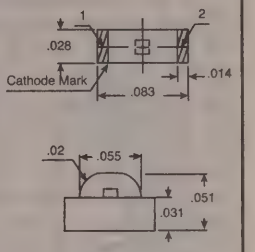

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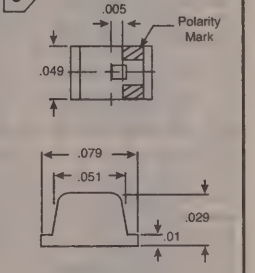

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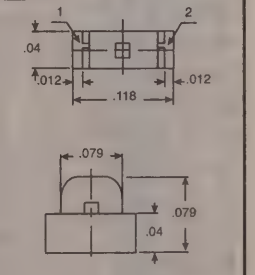

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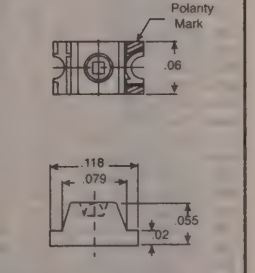


KINGBRIGHT SMD LED Lamps

Kingbright
An ISO 9002 & QS 9000 Company

XPOWER

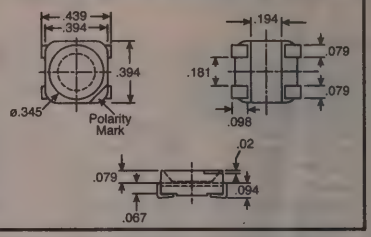
Features:

- Low heat resistance
- High power light source taking up very little space
- Can be processed using the standard soldering techniques
- Lifetime up to 100,000 hours
- No heat sink required
- 10x10mm size
- Up to 100cd 350mA operating current

NEW FROM SUPPLIER

MOUSER STOCK NO.		Color		Typ. Forward Voltage (V)	Luminous Intensity (mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each				
Mfr.	Mfr. Part No.	LED	Lens		Min.	Typ.			1	100	500	1000	2000+
604—	AA1010SYC28	Yellow	Water Clear	2.4	6000	8500	590	120	4.29	3.22	2.86	2.51	Quote
604—	AA1010SEC28	Red	Water Clear	2.4	19000	25000	640	120	4.29	3.22	2.86	2.51	Quote

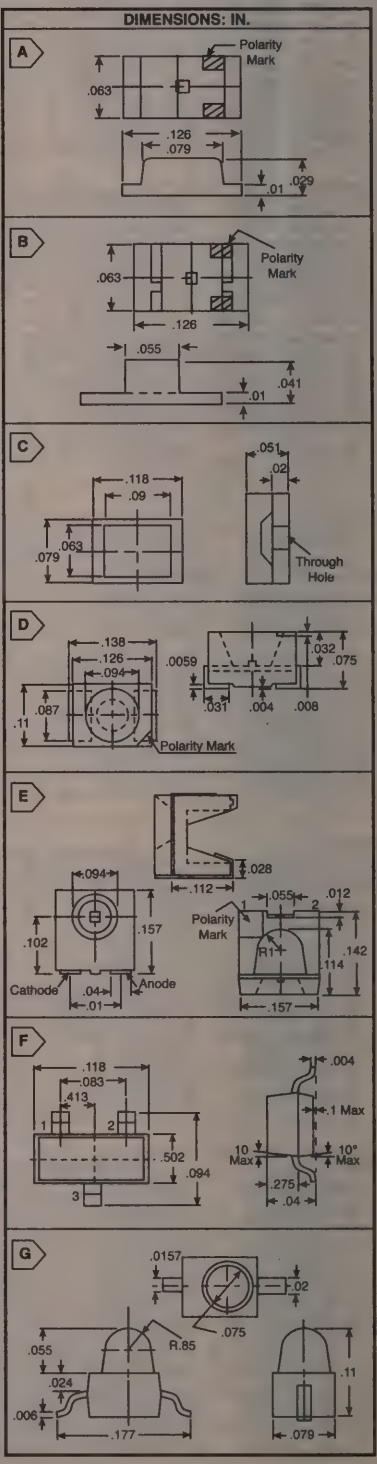
DIMENSIONS: IN.



SURFACE MOUNT LED LAMPS (cont.)

MOUSER STOCK NO.		Fig.	Color		Typ. Forward Voltage (V)	Luminous Intensity (mcd)		Peak Wave-length (nm)	Viewing Angle	Price Each				
Mfr.	Mfr. Part No.		LED	Lens		Min.	Typ.			1	100	500	1000	2000+
1206														
604—	APT3216EC	A	Red	Water Clear	2	5	12	625	120°	.17	.13	.11	.08	Call for Quote
604—	APT3216SEC	A	Orange	Water Clear	2	40	200	601	120°	.34	.27	.23	.17	
604—	APT3216SECK	A	Orange	Water Clear	2.1	40	160	601	120°	.27	.22	.19	.14	
604—	APT3216SGC	A	Green	Water Clear	2.2	3	12	568	120°	.17	.13	.11	.08	
604—	APT3216SRCPRV	A	Red	Water Clear	1.9	20	70	640	120°	.18	.15	.12	.09	
604—	APT3216SURC	A	Red	Water Clear	1.9	70	180	628	120°	.34	.27	.23	.17	
604—	APT3216SURCK	A	Red	Water Clear	1.9	50	150	630	120°	.27	.22	.19	.14	
604—	APT3216SYC	A	Yellow	Water Clear	2	40	80	588	120°	.34	.27	.23	.17	
604—	APT3216SYCK	A	Yellow	Water Clear	2	30	50	590	120°	.27	.22	.19	.14	
604—	APT3216YC	A	Yellow	Water Clear	2.1	1.6	8	588	120°	.18	.14	.12	.09	
Reverse Mount														
604—	APTR3216EC	B	Red	Water Clear	2	5	12	625	120°	.17	.13	.11	.08	Call for Quote
604—	APTR3216NW	B	Orange	White Diff.	2.1	5	12	610	120°	.18	.14	.12	.09	
604—	APTR3216PGW	B	Green	White Diff.	2.3	2	5	555	120°	.17	.13	.11	.08	
604—	APTR3216PYW	B	Yellow	White Diff.	2.1	3	8	585	120°	.18	.14	.12	.09	
604—	APTR3216SEC	B	Orange	Water Clear	2	40	200	601	120°	.34	.27	.23	.17	
604—	APTR3216SECK	B	Orange	Water Clear	2.1	40	160	601	120°	.27	.22	.19	.14	
604—	APTR3216SGC	B	Green	Water Clear	2.2	3	12	568	120°	.17	.13	.11	.08	
604—	APTR3216SRCPRV	B	Red	Water Clear	1.9	20	70	640	120°	.18	.15	.12	.09	
604—	APTR3216SURC	B	Red	Water Clear	1.9	70	180	628	120°	.34	.27	.23	.17	
604—	APTR3216SURCK	B	Red	Water Clear	1.9	50	15	630	120°	.27	.22	.19	.14	
604—	APTR3216SYC	B	Yellow	Water Clear	2	40	80	588	120°	.34	.27	.23	.17	
604—	APTR3216SYCK	B	Yellow	Water Clear	2	30	50	590	120°	.27	.22	.19	.14	
604—	APTR3216YC	B	Yellow	Water Clear	2.1	1.6	8	588	120°	.18	.14	.12	.09	
1208														
604—	APK3020EC	C	Red	Water Clear	2	8	30	625	120°	.23	.18	.16	.11	Call for Quote
604—	APK3020NC	C	Orange	Water Clear	2.1	8	30	610	120°	.23	.18	.16	.12	
604—	APK3020PGC	C	Green	Water Clear	2.3	2	5	555	120°	.23	.18	.16	.11	
604—	APK3020SEC	C	Orange	Water Clear	2	100	300	601	120°	.55	.44	.37	.28	
604—	APK3020SECK	C	Orange	Water Clear	2.1	80	150	601	120°	.32	.25	.22	.16	
604—	APK3020SGC	C	Green	Water Clear	2.2	8	30	568	120°	.23	.18	.16	.11	
604—	APK3020SRCPRV	C	Red	Water Clear	1.9	40	150	640	120°	.24	.19	.16	.11	
604—	APK3020SURC	C	Red	Water Clear	1.9	80	200	628	120°	.55	.44	.37	.28	
604—	APK3020SURCK	C	Red	Water Clear	1.9	70	200	630	120°	.32	.25	.22	.16	
604—	APK3020SYC	C	Yellow	Water Clear	2	30	100	588	120°	.55	.44	.37	.28	
604—	APK3020YC	C	Yellow	Water Clear	2.1	4	15	588	120°	.23	.18	.16	.11	
Various Package Styles														
604—	AA3528SEC	D	Orange	Water Clear	2	200	350	601	120°	.45	.36	.31	.23	Call for Quote
604—	AA3528SECK	D	Orange	Water Clear	2.1	70	300	601	120°	.39	.31	.27	.19	
604—	AA3528SGC	D	Green	Water Clear	2.2	7	20	568	120°	.30	.24	.20	.15	
604—	AA3528SGT	D	Green	Water Clear	2.2	12	30	568	120°	.30	.24	.20	.15	
604—	AA3528SRC	D	Red	Water Clear	1.9	50	150	640	120°	.31	.25	.21	.18	
604—	AA3528SURC	D	Red	Water Clear	1.9	80	250	628	120°	.45	.36	.31	.23	
604—	AA3528SURCK	D	Red	Water Clear	1.9	80	200	630	120°	.39	.31	.27	.19	
604—	AA3528SYC	D	Yellow	Water Clear	2	40	120	588	120°	.45	.36	.31	.23	
604—	AA4040PGC	E	Green	Water Clear	2.3	1.6	6	555	90°	.41	.33	.28	.21	
604—	AA4040SGC	E	Green	Water Clear	2.2	10	25	568	90°	.41	.33	.28	.21	
604—	AA4040SRC	E	Red	Water Clear	1.9	39	83	640	90°	.43	.34	.29	.22	
604—	AA4040SURC	E	Red	Water Clear	1.9	82	168	628	90°	.61	.49	.42	.31	
604—	AA4040SYC	E	Yellow	Water Clear	2	98	200	588	90°	.61	.49	.42	.31	
604—	AA4040YC	E	Yellow	Water Clear	2.1	4	9	588	90°	.41	.33	.28	.21	
604—	AM23EC-F	F	Red	Water Clear	2	4	15	625	140°	.29	.23	.20	.14	
604—	AM23ID-F	F	Red	Red Diff.	2	4	15	625	140°	.29	.23	.20	.14	
604—	AM23SGC-F	F	Green	Water Clear	2.2	5	12	568	140°	.29	.23	.20	.15	
604—	AM23SGD-F	F	Green	Green Diff.	2.2	3	8	568	140°	.29	.23	.20	.15	
604—	AM23SRC-F	F	Red	Water Clear	1.9	40	70	640	140°	.30	.24	.20	.15	
604—	AM23SRD-F	F	Red	Red Diff.	1.9	40	70	640	140°	.30	.24	.20	.15	
604—	AM23SYC-F	F	Yellow	Water Clear	2	40	80	588	140°	.41	.33	.28	.21	
604—	AM23SYD-F	F	Yellow	Yellow Diff.	2	40	80	588	140°	.41	.33	.28	.21	
604—	AM23YC-F	F	Yellow	Water Clear	2.1	2	5	588	140°	.29	.23	.20	.14	
604—	AM23YD-F	F	Yellow	Yellow Diff.	2.1	2	5	588	140°	.29	.23	.20	.14	
604—	AM2520EC03	G	Red	Water Clear	2	12	70	625	20°	.24	.19	.16	.12	
604—	AM2520ID03	G	Red	Red Diff.	2	8	30	625	40°	.24	.19	.16	.12	
604—	AM2520SEC03	G	Orange	Water Clear	2	500	1300	601	20°	.41	.33	.28	.21	
604—	AM2520SECK03	G	Orange	Water Clear	2.1	180	700	601	20°	.32	.25	.22	.16	
604—	AM2520SGC03	G	Green	Water Clear	2.2	40	100	568	20°	.24	.19	.16	.12	
604—	AM2520SRC03	G	Red	Water Clear	1.9	120	600	640	20°	.27	.22	.19	.14	
604—	AM2520SURC03	G	Red	Water Clear	1.9	300	700	628	20°	.41	.33	.28	.21	
604—	AM2520SURCK03	G	Red	Water Clear	1.9	200	700	630	20°	.32	.25	.22	.16	
604—	AM2520SYC03	G	Yellow	Water Clear	2	110	500	588	20°	.41	.33	.28	.21	
604—	AM2520SYCK03	G	Yellow	Water Clear	2	70	300	590	20°	.32	.25	.22	.16	
604—	AM2520YC03	G	Yellow	Water Clear	2.1	10	30	588	20°	.24	.19	.16	.12	

DIMENSIONS: IN.



KINGBRIGHT LED Lamps

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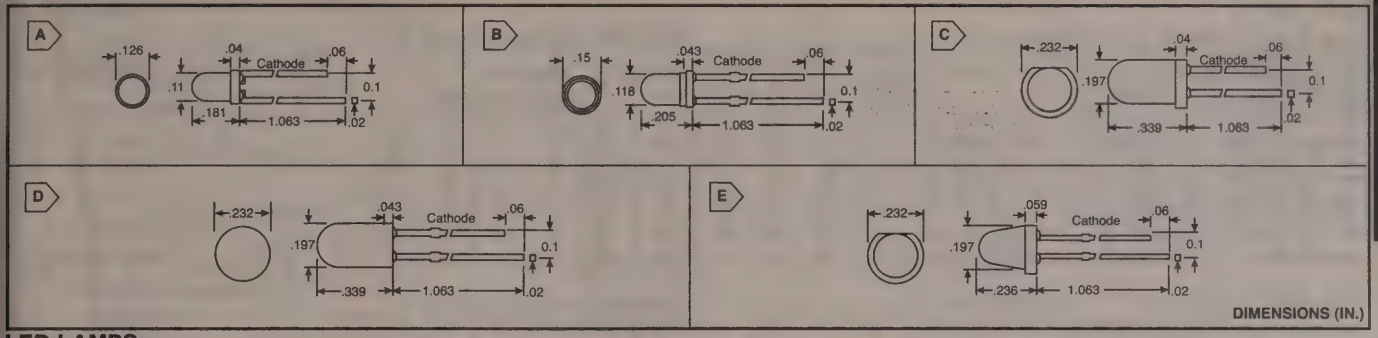


DIMENSIONS (IN.)

LED LAMPS

Standard T-1 (3mm) • Forward current: 10mA

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Typ. Forward Voltage (V)	Luminous Intensity		Peak Wavelength (nm)	Viewing Angle	Price Each				
			LED	Lens		Min.	Typ.			1	100	500	1000	2000+
604-WP7104HD	WP7104HD	A	Red	Red Diff.	2	1.3	5	700	60°	.16	.13	.11	.08	
604-WP7104ID	WP7104ID	A	Hi-Eff. Red	Red Diff.	2	12.5	50	625	60°	.18	.15	.12	.10	
604-WP7104GD	WP7104GD	A	Green	Green Diff.	2.2	8	32	565	60°	.20	.17	.14	.11	
604-WP7104YD	WP7104YD	A	Yellow	Yellow Diff.	2.1	8	32	590	60°	.16	.13	.11	.08	
604-WP7104IT	WP7104IT	A	Hi-Eff. Red	Red Trans.	2	32	125	625	50°	.16	.13	.11	.08	
604-WP7104GT	WP7104GT	A	Green	Green Trans.	2.2	20	80	565	50°	.16	.13	.11	.08	
604-WP7104YT	WP7104YT	A	Yellow	Yellow Trans.	2.1	10	50	590	50°	.18	.15	.12	.09	
604-WP7104EC	WP7104EC	A	Red	Water Clear	2	20	60	625	34°	.12	.10	.08	.06	C
604-WP7104ED	WP7104ED	A	Red	Orange Diff.	2	8	20	625	40°	.12	.10	.08	.06	A
604-WP7104GC	WP7104GC	A	Green	Water Clear	2.2	20	60	568	34°	.12	.09	.08	.06	L
604-WP7104GD	WP7104GD	A	Green	Green Diff.	2.2	8	20	568	40°	.12	.09	.08	.06	L
604-WP7104ID	WP7104ID	A	Red	Red Diff.	2	8	25	625	40°	.12	.10	.08	.06	
604-WP7104NC	WP7104NC	A	Orange	Water Clear	2.1	20	50	610	34°	.12	.10	.09	.06	F
604-WP7104ND	WP7104ND	A	Orange	Orange Diff.	2.1	8	30	610	40°	.12	.10	.09	.06	O
604-WP7104PGC	WP7104PGC	A	Green	Water Clear	2.3	3	15	555	34°	.14	.11	.09	.07	R
604-WP7104PGD	WP7104PGD	A	Green	Green Diff.	2.3	2	5	555	40°	.14	.11	.09	.07	
604-WP7104YC	WP7104YC	A	Yellow	Water Clear	2.1	8	20	588	34°	.12	.10	.09	.06	
604-WP7104YD	WP7104YD	A	Yellow	Yellow Diff.	2.1	5	15	588	40°	.12	.10	.09	.06	Q
604-WP132XIT	WP132XIT	B	Red	Red Trans.	2	20	60	625	50°	.12	.10	.08	.07	U
604-WP132XGD	WP132XGD	B	Green	Green Diff.	2.2	8	15	568	60°	.11	.09	.08	.06	O
604-WP132XYT	WP132XYT	B	Yellow	Yellow Trans.	2.1	8	20	588	50°	.12	.10	.09	.08	T
604-WP132XID	WP132XID	B	Red	Red Diff.	2	8	25	625	60°	.12	.10	.08	.07	E
604-WP132XNC	WP132XNC	B	Orange	Water Clear	2.1	20	50	610	50°	.12	.10	.09	.06	
604-WP132XND	WP132XND	B	Orange	Orange Diff.	2.1	8	30	610	60°	.12	.10	.09	.08	
604-WP132XPGC	WP132XPGC	B	Green	Water Clear	2.3	20	40	555	50°	.14	.11	.09	.07	
604-WP132XPGD	WP132XPGD	B	Green	Green Diff.	2.3	2	5	555	60°	.14	.11	.09	.07	
604-WP132XYC	WP132XYC	B	Yellow	Water Clear	2.1	8	20	588	50°	.12	.10	.09	.06	
604-WP132XYD	WP132XYD	B	Yellow	Yellow Diff.	2.1	5	15	588	60°	.12	.10	.09	.08	
604-WP7104MGC	WP7104MGC	A	Green	Water Clear	2.1	200	700	568	34°	.75	.60	.51	.38	

Standard T-1 3/4 (5mm) • Forward current: 10mA

604-WP7113HD	WP7113HD	C	Red	Red Diff.	2	2	5	700	60°	.16	.13	.11	.08	
604-WP7113ID	WP7113ID	C	Hi-Eff. Red	Red Diff.	2	20	80	625	60°	.18	.15	.12	.10	
604-WP7113GD	WP7113GD	C	Green	Green Diff.	2.2	5	32	565	60°	.19	.16	.13	.10	
604-WP7113YD	WP7113YD	C	Yellow	Yellow Diff.	2.1	5	32	590	60°	.16	.13	.11	.08	
604-WP7113IT	WP7113IT	C	Hi-Eff. Red	Red Trans.	2	50	200	625	30°	.14	.11	.09	.07	
604-WP7113GT	WP7113GT	C	Green	Green Trans.	2.2	20	80	565	30°	.15	.12	.10	.08	
604-WP7113YT	WP7113YT	C	Yellow	Yellow Trans.	2.1	20	80	590	30°	.17	.14	.12	.09	C
604-WP1503EC	WP1503EC	D	Red	Water Clear	2	30	80	625	30°	.12	.09	.08	.06	A
604-WP1503GC	WP1503GC	D	Green	Water Clear	2.2	20	60	568	30°	.12	.09	.08	.06	L
604-WP1503GD	WP1503GD	D	Green	Green Diff.	2.2	5	20	568	60°	.12	.09	.08	.06	L
604-WP1503ID	WP1503ID	D	Red	Red Diff.	2	8	30	625	60°	.12	.09	.08	.06	
604-WP1503YC	WP1503YC	D	Yellow	Water Clear	2.1	20	40	588	30°	.13	.10	.09	.06	F
604-WP1503YD	WP1503YD	D	Yellow	Yellow Diff.	2.1	5	20	588	60°	.13	.10	.09	.06	O
604-WP7113EC	WP7113EC	D	Red	Water Clear	2	30	80	625	20°	.12	.10	.09	.06	R
604-WP7113ED	WP7113ED	D	Red	Orange Diff.	2	8	30	625	30°	.12	.10	.09	.06	
604-WP7113GC	WP7113GC	D	Green	Water Clear	2.2	20	60	568	20°	.12	.10	.09	.06	
604-WP7113GD	WP7113GD	D	Green	Green Diff.	2.2	5	20	568	30°	.12	.10	.09	.06	Q
604-WP7113ID	WP7113ID	D	Red	Red diffused	2	8	25	625	30°	.12	.10	.09	.06	U
604-WP7113NC	WP7113NC	D	Orange	Water Clear	2.1	50	80	610	20°	.13	.10	.09	.06	O
604-WP7113ND	WP7113ND	D	Orange	Orange Diff.	2.1	12	30	610	30°	.13	.10	.09	.06	T
604-WP7113PGC	WP7113PGC	D	Green	Water Clear	2.3	5	10	555	20°	.13	.11	.09	.06	E
604-WP7113PGD	WP7113PGD	D	Green	Green Diff.	2.3	2	5	555	30°	.13	.11	.09	.06	
604-WP7113YC	WP7113YC	D	Yellow	Water Clear	2.1	20	40	588	20°	.13	.10	.09	.06	
604-WP7113YD	WP7113YD	D	Yellow	Yellow Diff.	2.1	5	20	588	30°	.13	.10	.09	.06	
604-WP63GD	WP63GD	E	Green	Green Diff.	2.2	5	12	568	60°	.14	.11	.10	.07	
604-WP63ID	WP63ID	E	Red	Red Diff.	2	12	20	625	60°	.14	.11	.10	.07	
604-WP63YD	WP63YD	E	Yellow	Yellow Diff.	2.1	5	10	588	60°	.14	.11	.10	.07	

Super Bright T-1 (3mm) • Forward current: 20mA

604-WP7104SRC/D	WP7104SRC/D	A	Red	Water Clear	1.85	500	700	660	50°	.34	.27	.24	.18	
604-WP7104SRC/F	WP7104SRC/F	A	Red	Water Clear	1.85	1000	1200	660	50°	.62	.49	.42	.32	
604-WP7104SGC	WP7104SGC	A	Green	Water Clear	2.2	100	300	565	50°	.18	.15	.12	.09	C
604-WP7104SRD/D	WP7104SRD/D	A	Red	Red Diff.	1.85	100	200	660	60°	.30	.24	.20	.15	A
604-WP7104SRD/E	WP7104SRD/E	A	Red	Red Diff.	1.85	200	300	660	60°	.34	.27	.24	.18	L
604-WP7104SRD/G	WP7104SRD/G	A	Red	Red Diff.	1.85	400	600	660	60°	.62	.49	.42	.25	L
604-WP7104SGD	WP7104SGD	A	Green	Green Diff.	2.2	40	60	565	60°	.17	.13	.12	.09	
604-WP7104SEC	WP7104SEC	A	Red	Water Clear	2	500	1300	601	34°	.32	.25	.22	.16	
604-WP7104SEC/E	WP7104SEC/E	A	Red	Water Clear	2	1000	1000	621	34°	.45	.36	.31	.23	F
604-WP7104SED	WP7104SED	A	Red	Orange Diff.	2	300	800	601	40°	.32	.25	.22	.16	O
604-WP7104SET	WP7104SET	A	Red	Orange Trans.	2	500	1300	601	34°	.32	.25	.22	.16	R
604-WP7104SGC	WP7104SGC	A	Green	Water Clear	2.2	80	150	568	34°	.13	.10	.09	.07	
604-WP7104SGD	WP7104SGD	A	Green	Green Diff.	2.2	20	40	568	40°	.13	.10	.09	.06	
604-WP7104SRC/D	WP7104SRC/D	A	Red	Water Clear	1.9	500	600	640	34°	.23	.18	.16	.12	Q
604-WP7104SRC/E	WP7104SRC/E	A	Red	Water Clear	1.9	700	900	640	34°	.20	.16	.14	.10	U
604-WP7104SRC/F	WP7104SRC/F	A	Red	Water Clear	1.9	1000	1100	640	34°	.45	.36	.31	.23	O
604-WP7104SRC/G	WP7104SRC/G	A	Red	Water Clear	1.9	1200	1300	640	34°	.50	.40	.34	.25	T
604-WP7104SRC/H	WP7104SRC/H	A	Red	Water Clear	1.9	1400	1700	640	34°	.55	.44	.37	.28	E
604-WP7104SRC/J	WP7104SRC/J	A	Red	Water Clear	1.9	1800	2300	640	34°	.59	.47	.41	.30	
604-WP7104SRD/D	WP7104SRD/D	A	Red	Red Diff.	1.9	100	150	640	40°	.18	.15	.12	.09	

KINGBRIGHT LED Lamps

Kingbright

LED LAMPS

Super Bright T-1 (Cont.)

• Forward current: 20mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Typ. Forward Voltage	Luminous Intensity		Peak Wavelength	Viewing Angle	Price Each			
			LED	Lens	(V)	Min.	Typ.	(nm)		1	100	500	1000
604-WP7104SRD/E	WP7104SRD/E	A	Red	Red Diff.	1.9	200	250	640	40°	.20	.16	.14	.10
604-WP7104SRD/F	WP7104SRD/F	A	Red	Red Diff.	1.9	300	350	640	40°	.23	.18	.16	.11
604-WP7104SRD/G	WP7104SRD/G	A	Red	Red Diff.	1.9	400	500	640	40°	.46	.36	.31	.23
604-WP7104SRD/H	WP7104SRD/H	A	Red	Red Diff.	1.9	600	900	640	40°	.50	.40	.34	.25
604-WP7104SRD/J	WP7104SRD/J	A	Red	Red Diff.	1.9	1000	1200	640	40°	.55	.44	.37	.28
604-WP7104SURC/E	WP7104SURC/E	A	Red	Wtr Clear	1.9	1000	1300	630	34°	.45	.36	.31	.23
604-WP7104SYC	WP7104SYC	A	Yellow	Wtr Clear	2	300	700	588	34°	.32	.25	.22	.16
604-WP7104SYD	WP7104SYD	A	Yellow	Yellow Diff.	2	100	250	588	40°	.32	.25	.22	.16

Super Bright T-1 3/4 (5mm)

• Forward current: 20mA

For quantities of 2000 and up, call for quote.

604-WP7113SRC/DU	WP7113SRC/DU	B	Red	Wtr Clear	1.85	1000	1300	660	660	.23	.18	.16	.12
604-WP7113SRC/E	WP7113SRC/E	B	Red	Wtr Clear	1.85	2000	3500	660	660	.55	.44	.37	.28
604-WP7113SGC	WP7113SGC	B	Green	Wtr Clear	2.2	100	300	565	565	.23	.18	.16	.12
604-WP7113SRD/D	WP7113SRD/D	B	Red	Red Diff.	1.85	200	300	660	660	.27	.22	.19	.14
604-WP7113SRD/F	WP7113SRD/F	B	Red	Red Diff.	1.85	500	700	660	660	.55	.44	.37	.28
604-WP7113SRD/G	WP7113SRD/G	B	Red	Red Diff.	1.85	700	1000	660	660	.59	.47	.41	.30
604-WP7113SGD	WP7113SGD	B	Green	Green Diff.	2.2	40	60	565	565	.21	.17	.14	.11
604-WP7113MGC	WP7113MGC	B	Green	Wtr Clear	2.1	480	1000	568	568	.73	.58	.50	.37
604-WP7113SEC	WP7113SEC	B	Red	Wtr Clear	2	700	2500	601	601	.32	.25	.22	.16
604-WP7113SEC/E	WP7113SEC/E	B	Red	Wtr Clear	2	1600	5000	621	621	.45	.36	.31	.23
604-WP7113SED	WP7113SED	B	Red	Orange Diff.	2	400	800	601	601	.32	.25	.22	.16
604-WP7113SGC	WP7113SGC	B	Green	Wtr Clear	2.2	70	200	568	568	.13	.10	.09	.07
604-WP7113SGD	WP7113SGD	B	Green	Green Diff.	2.2	20	40	568	568	.13	.10	.09	.06
604-WP7113SRC/DU	WP7113SRC/DU	B	Red	Wtr Clear	1.9	1000	1200	640	640	.18	.15	.12	.09
604-WP7113SRC/DV	WP7113SRC/DV	B	Red	Wtr Clear	1.9	1300	1500	640	640	.20	.16	.14	.10
604-WP7113SRC/DW	WP7113SRC/DW	B	Red	Wtr Clear	1.9	1600	1800	640	640	.23	.18	.16	.11
604-WP7113SRC/E	WP7113SRC/E	B	Red	Wtr Clear	1.9	2000	2800	640	640	.45	.36	.31	.23
604-WP7113SRC/F	WP7113SRC/F	B	Red	Wtr Clear	1.9	3500	4000	640	640	.50	.40	.34	.25
604-WP7113SRD/D	WP7113SRD/D	B	Red	Red Diff.	1.9	200	250	640	640	.18	.15	.12	.09
604-WP7113SRD/E	WP7113SRD/E	B	Red	Red Diff.	1.9	300	400	640	640	.23	.18	.16	.14
604-WP7113SRD/F	WP7113SRD/F	B	Red	Red Diff.	1.9	500	600	640	640	.45	.36	.31	.23
604-WP7113SRD/G	WP7113SRD/G	B	Red	Red Diff.	1.9	700	900	640	640	.50	.40	.34	.25
604-WP7113SRD/H	WP7113SRD/H	B	Red	Red Diff.	1.9	1000	1500	640	640	.55	.44	.37	.28
604-WP7113SURC	WP7113SURC	B	Red	Wtr Clear	1.9	1300	1800	628	628	.32	.25	.22	.16
604-WP7113SURC/E	WP7113SURC/E	B	Red	Wtr Clear	1.9	1600	2200	630	630	.45	.36	.31	.23
604-WP7113SYC	WP7113SYC	B	Yellow	Wtr Clear	2	400	1200	588	588	.32	.25	.22	.16
604-WP7113SYD	WP7113SYD	B	Yellow	Yellow Diff.	2	100	400	588	588	.32	.25	.22	.16
604-WP1543SGC	WP1543SGC	B	Green	Wtr Clear	2.2	70	150	568	568	.12	.10	.08	.06
604-WP1543SRC/C	WP1543SRC/C	B	Red	Wtr Clear	1.9	400	600	640	640	.18	.15	.12	.09
604-WP1543SRC/D	WP1543SRC/D	B	Red	Wtr Clear	1.9	700	900	640	640	.45	.36	.31	.23
604-WP1543SRC/E	WP1543SRC/E	B	Red	Wtr Clear	1.9	1000	2000	640	640	.50	.40	.34	.35
604-WP1543SURC	WP1543SURC	B	Red	Wtr Clear	1.9	400	700	628	628	.32	.25	.22	.16
604-WP1543SURC/E	WP1543SURC/E	B	Red	Wtr Clear	1.9	700	1300	630	630	.45	.36	.31	.23
604-WP63SRC	WP63SRC	K	Red	Wtr Clear	1.9	200	700	640	640	.18	.15	.12	.09
604-WP63SRD	WP63SRD	K	Red	Red Diff.	1.9	100	300	640	640	.18	.15	.12	.09

8mm

• Forward current: 20mA

For quantities of 2000 and up, call for quote.

604-WP793ID	WP793ID	C	Hi-Eff. Red	Red Diff.	2	20	100	625	60°	.30	.30	.24	.15
604-WP793GD	WP793GD	C	Green	Green Diff.	2.2	20	70	565	60°	.30	.30	.24	.15
604-WP793YD	WP793YD	C	Yellow	Yellow Diff.	2.1	20	70	590	60°	.30	.30	.24	.15

Super Bright 10mm

• Forward current: 20mA

For quantities of 2000 and up, call for quote.

604-WP813SRC/C	WP813SRC/C	D	Red	Wtr Clear	1.85	1000	1600	660	40°	.46	.36	.31	.23
604-WP813SRC/E	WP813SRC/E	D	Red	Wtr Clear	1.85	2000	3000	660	40°	.84	.67	.58	.43

Pin Point .08" (2mm)

• Forward current: 10mA

For quantities of 2000 and up, call for quote.

604-WP23HD	WP23HD	E	Red	Red Diff.	2	0.5	0.8	700	60°	.21	.17	.14	.11
604-WP23GD	WP23GD	E	Green	Green Diff.	2.25	1.25	3.2	565	60°	.21	.17	.14	.11
604-WP23YD	WP23YD	E	Yellow	Yellow Diff.	2.1	1.8	5	590	60°	.23	.18	.16	.12

Rectangular

• Forward current: 10mA

For quantities of 2000 and up, call for quote.

604-WP103HD	WP103HD	F	Red	Red Diff.	2	0.5	2	700	110°	.16	.13	.11	.08
604-WP103GD	WP103GD	F	Green	Green Diff.	2	2	8	565	110°	.16	.13	.11	.08
604-WP103YD	WP103YD	F	Yellow	Yellow Diff.	2.1	2	8	590	110°	.18	.15	.12	.09
604-WP113HDT	WP113HDT	G	Red	Red Diff.	2	0.5	2	700	110°	.17	.14	.12	.10
604-WP113GDT	WP113GDT	G	Green	Green Diff.	2.2	2	8	565	110°	.19	.16	.13	.10
604-WP113YDT	WP113YDT	G	Yellow	Yellow Diff.	2.1	2	8	590	110°	.18	.15	.12	.09
604-WP153HDT	WP153HDT	H	Red	Red Diff.	2	0.8	1.3	700	110°	.19	.16	.13	.10
604-WP153GDT	WP153GDT	H	Green	Green Diff.	2.2	1.3	8	565	110°	.19	.16	.13	.10
604-WP153YDT	WP153YDT	H	Yellow	Yellow Diff.	2.1	1.3	8	590	110°	.18	.15	.12	.09

Square .2" x .2" (5mm x 5mm)

• Forward current: 20mA

For quantities of 2000 and up, call for quote.

604-WP503HDT	WP503HDT	I	Red	Red Diff.	0.5	2	2	700	110°	.21	.17	.17	.11
604-WP503GDT	WP503GDT	I	Green	Green Diff.	1.3	8	8	565	110°	.23	.18	.18	.12
604-WP503YDT	WP503YDT	I	Yellow	Yellow Diff.	1.3	8	8	590	110°	.23	.18	.18	.12

Cylindrical

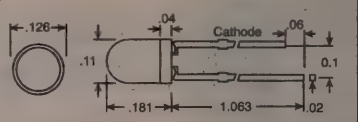
• Forward current: 10mA

For quantities of 2000 and up, call for quote.

604-WP483IDT	WP483IDT	J	Hi-Eff. Red	Red Diff.	2	3.2	12.5	625	100°	.21	.17	.14	.11
604-WP483GDT	WP483GDT	J	Green	Green Diff.	2.2	1.3	8	565	100°	.18	.15	.12	.09
604-WP483YDT	WP483YDT	J	Yellow	Yellow Diff.	2.1	1.3	8	590	100°	.21	.17	.14	.11

DIMENSIONS (IN.)

A



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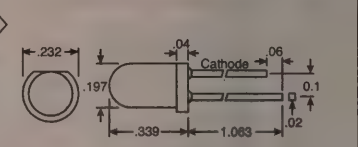

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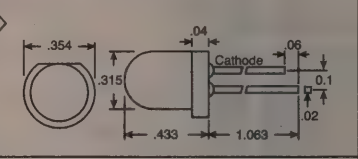

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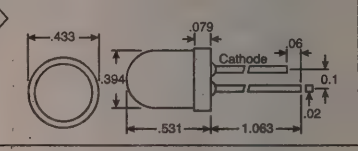

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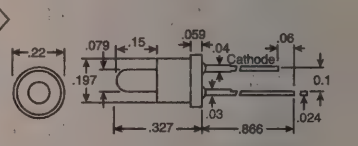

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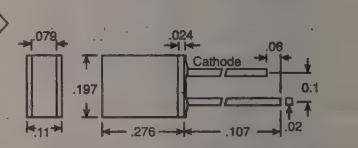

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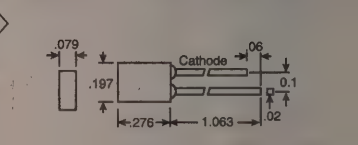

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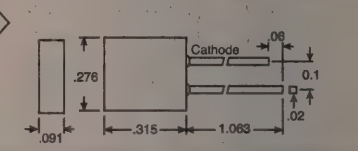

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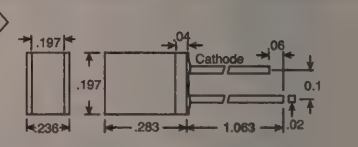

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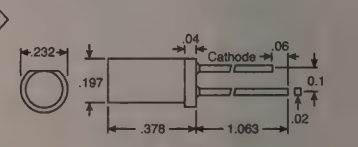

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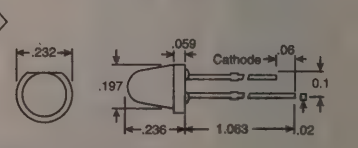
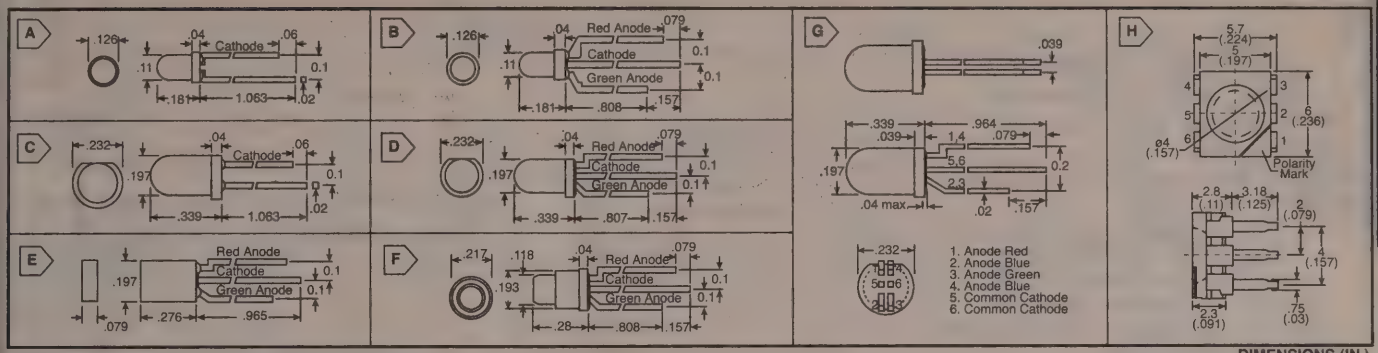


KINGBRIGHT LED Lamps



DIMENSIONS (IN.)

Kingbright DUAL COLOR LED LAMPS

• Forward current: 20mA

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Typ. Forward Voltage (V)	Luminous Intensity		Peak Wavelength (nm)	Viewing Angle	Price Each				
			LED	Lens		Min.	Typ.			1	100	500	1000	2000+
T-1 Dual Color (3mm)														CALL FOR QUOTE
604-WP937EGW	WP937EGW	A	Red/Green	White Diff.	2.0/2.2	8/8	20/20	625/565	60°	.34	.34	.24	.18	
604-WP937GYW	WP937GYW	A	Green/Yellow	White Diff.	2.2/2.1	8/5	20/10	565/590	60°	.36	.36	.25	.19	
604-WP93WEGW	WP93WEGW	B	Red/Green	White Diff.	2.0/2.2	20/20	50/50	625/565	60°	.50	.50	.34	.26	
604-WP93WEGC	WP93WEGC	B	Red/Green	Wtr Clear	2.0/2.2	40/20	160/80	625/565	24°	.55	.55	.37	.28	
T-1 3/4														
604-WP57EGW	WP57EGW	C	Red/Green	White Diff.	2.0/2.2	20/15	50/40	625/565	60°	.47	.40	.32	.25	
604-WP57GYW	WP57GYW	C	Green/Yellow	White Diff.	2.2/2.1	12.5/5	40/20	565/590	60°	.46	.36	.31	.23	
604-WP59EGW	WP59EGW	D	Red/Green	White Diff.	2.0/2.2	20/20	90/70	625/565	60°	.34	.27	.24	.18	
604-WP59GYW	WP59GYW	D	Green/Yellow	White Diff.	2.2/2.1	20/20	70/60	565/590	60°	.39	.31	.27	.20	
604-WP59SURKSGC	WP59SURKSGC	D	Red/Green	Water Clear	1.95/2.2	900/70	1600/200	640/565	24°	.53	.42	.36	.29	
Rectangular														
604-WP119EGW	WP119EGW	E	Red/Green	White Diff.	2.0/2.2	1.6	20/12.5	625/565	110°	.34	.27	.24	.18	
Pin Point .12"														
604-WP469EGW	WP469EGW	F	Red/Green	White Diff.	2.0/2.2	5	20	625/565	60°	.46	.36	.36	.23	

Kingbright FULL COLOR SPECTRUM - LEDS

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Red (625nm)			Green (525nm)			∗ Blue (430nm)			Viewing Angle	Price Each				
			Volt. (Typ)	Iv (mcd) Min	Iv (mcd) Typ	Volt. (Typ)	Iv (mcd) Min	Iv (mcd) Typ	Volt. (Typ)	Iv (mcd) Min	Iv (mcd) Typ		1	100	500	1000	2000+
604-WPF5WAEMBGMBW	WPF5WAEMBGMBW	G	2	20	90	2.2	10	70	3.8	3.2	12.5	30°	3.97	3.25	2.84	2.61	Call

∗ Part has two blue leds built into it. Specs are for each led as a single unit.

Kingbright CHAMELEON FULL COLOR SPECTRUM - LEDS

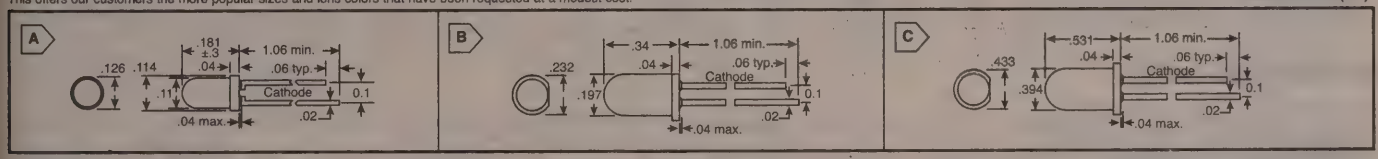
MOUSER STOCK NO.	Kingbright Part No.	Fig.	Hyper Orange (630nm) ∗			Green (520nm)			Blue (465nm)			Viewing Angle	Price Each				
			Volt. (Typ)	Iv (mcd) Min	Iv (mcd) Typ	Volt. (Typ)	Iv (mcd) Min	Iv (mcd) Typ	Volt. (Typ)	Iv (mcd) Min	Iv (mcd) Typ		1	100	500	1000	2000+
604-AAF5060-RGB	AAF5060PBESEEVG	H	2	650∗∗	1000∗∗	4	180	350	3.7	110	250	100°	4.49	3.99	3.79	3.49	Call

∗ Kingbright's "Hyper Orange" is the same wavelength as Industry Standard Terminology "Hi-Efficiency Red".
∗∗ Luminous intensity with asterisk is measured at 50mA.

Kingbright BLUE AND WHITE LED LAMPS

This new series offers a brighter version of the blue or white LED's without the high costs that is associated with the Super Bright Blue or white LED's.
This offers our customers the more popular sizes and lens colors that have been requested at a modest cost.

DIMENSIONS (IN.)



Blue LEDs

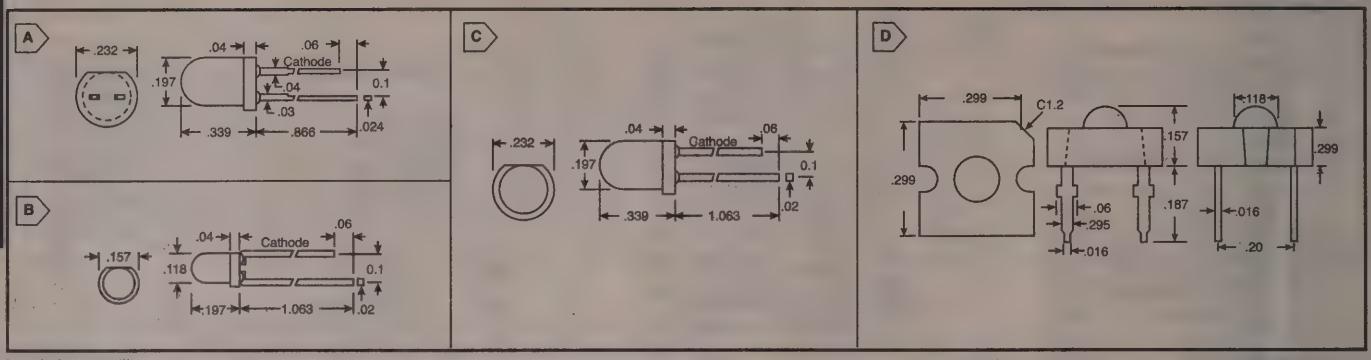
MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Typ. Forward Voltage (V)	Luminous Intensity		Peak Wavelength (nm)	Viewing Angle	Price Each				
			LED	Lens		Min.	Typ.			1	100	500	1000	2000+
Blue T-1 (3mm) Size														Call for Quote
604-WP7104MBD	WP7104MBD	A	Blue	Blue Diff.	3.8	12.5	40	430	60°	2.52	2.27	2.14	1.97	
604-WP7104MBC	WP7104MBC	A	Blue	Wtr Clear	3.8	20	90	430	20°	2.52	2.27	2.14	1.97	
604-WP7104PBC/H	WP7104PBC/H	A	Blue	Wtr Clear	3.7	1200	3600	467	20°	2.73	2.18	1.87	1.40	
604-WP7104PBC	WP7104PBC	A	Blue	Wtr Clear	3.7	110	350	468	20°	2.37	1.89	1.62	1.21	
604-WP7104QBC/D	WP7104QBC/D	A	Blue	Wtr Clear	3.5	650	1500	480	25°	1.86	1.49	1.28	0.95	
Blue T-1 3/4														
604-WP7113MBD	WP7113MBD	B	Blue	Blue Diff.	3.8	20	50	430	50°	2.52	2.27	2.14	1.97	
604-WP7113MBC	WP7113MBC	B	Blue	Wtr Clear	3.8	60	150	430	16°	2.52	2.27	2.14	1.97	
604-WP7113PBC/H	WP7113PBC/H	B	Blue	Wtr Clear	3.7	2200	3600	467	16°	2.73	2.18	1.87	1.40	
604-WP7113PBC	WP7113PBC	B	Blue	Wtr Clear	3.7	300	1000	468	16°	2.28	1.82	1.56	1.17	
604-WP7113QBC/D	WP7113QBC/D	B	Blue	Wtr Clear	3.5	1200	2200	468	20°	1.73	1.38	1.19	0.88	
10mm Super Bright														
604-WP813MBC	WP813MBC	C	Blue	Wtr Clear	3.8	55	150	430	40°	1.89	1.69	1.59	1.49	

White LEDs

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Typ. Forward Voltage (V)	Luminous Intensity		Peak Wavelength (nm)	Viewing Angle	Price Each				
			LED	Lens		Min.	Typ.			1	100	500	1000	2000+
White T-1														Call for Quote
604-WP7104QWC/D	WP7104QWC/D	A	White	Wtr Clear	3.5	1200	2200	-	34°	1.96	1.96	1.34	1.00	
604-WP7104PWC/A	WP7104PWC/A	A	White	Wtr Clear	3.7	200	600	-	34°	2.37	2.37	1.62	1.21	
White T-1 3/4														
604-WP7114PWC/A	WP7114PWC/A	B	White	Wtr Clear	3.7	500	1000	-	20°	2.37	1.89	1.62	1.21	
604-WP7114QWC/D	WP7114QWC/D	B	White	Wtr Clear	3.5	2200	3200	-	20°	1.96	1.57	1.34	1.00	
10mm Superbright														
604-WP814PWC/A	WP814PWC/A	C	White	Wtr Clear	3.6	400	600	-	40°	2.10	1.99	1.89	1.84	

KINGBRIGHT LED Lamps

Kingbright



DIMENSIONS (IN.)

LED LAMPS

Photo Transistor

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Breakdown Voltage		Dark Current Maximum	Rise/Fall Time Typical	On-State Collector Current		Collector-Emitter Saturation Breakdown Voltage	Power Dissipation @ 25°C	Price Each				
			CEO	ECO			Min.	Max.			1	100	500	1000	2000+
604-WP7113P3C	WP7113P3C	A	30V	5V	100nA	3us	1mA	8mA	0.8V	100mW	.32	.26	.22	.17	Call

Infrared Diodes

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Lens Color	Forward Voltage (V)		Radiant Power		Reverse Current Max.	Peak Wavelength (nm)	Viewing Angle	Price Each				
				Typ.	Max.	Min.	Typ.				1	100	500	1000	2000+
604-WP34SF4C	WP34SF4C	B	Wtr Clear	1.4	1.7	3.2	7	10uA	880	30°	.50	.40	.34	.26	Call for Quote
604-WP7113SF4BT	WP7113SF4BT	C	Blue	1.4	1.7	5	10	10uA	880	30°	.68	.55	.47	.30	
604-WP7113SF4C	WP7113SF4C	C	Wtr Clear	1.4	1.7	5	10	10uA	880	30°	.68	.55	.47	.30	

X-BRITE LED LAMPS

T-1 (3mm) Size

• Forward current: 20mA

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Typ. Forward Voltage (V)	Luminous Intensity		Peak Wavelength (nm)	Viewing Angle	Price Each				
			LED	Lens		Min.	Typ.			1	100	500	1000	2000+
604-WP7104VGC/H	WP7104VGC/H	B	Green	Wtr Clear	3.7	6700	11000	520	34°	2.79	2.23	1.91	1.43	Call for Quote
604-WP7104PWC/H	WP7104PWC/H	B	White	Wtr Clear	3.7	900	1400	---	34°	2.87	2.29	1.99	1.47	
604-WP7104SEC/H	WP7104SEC/H	B	Red	Wtr Clear	2.4	2000	3500	630	34°	.73	.58	.50	.37	
604-WP7104PBC/H	WP7104PBC/H	B	Blue	Wtr Clear	3.7	1200	3600	467	20°	2.73	2.18	1.87	1.40	

T-1 3/4 (5mm) Size

604-WP7113VGC/H	WP7113VGC/H	C	Green	Wtr Clear	3.7	8000	18000	520	20°	2.87	2.29	1.97	1.47	Call for Quote
604-WP7143SEC/H	WP7143SEC/H	C	Hyper Orange	Wtr Clear	2.4	4700	6500	630	30°	.82	.66	.56	.42	
604-WP7143VGC/H	WP7143VGC/H	C	Green	Wtr Clear	3.7	4700	10000	520	30°	2.87	2.29	1.99	1.47	
604-WP7143SYC/H	WP7143SYC/H	C	Yellow	Wtr Clear	2.3	650	1500	590	30°	.82	.66	.56	.42	
604-WP7113SYC/H	WP7113SYC/H	C	Yellow	Wtr Clear	2.2	1500	2800	590	20°	.82	.66	.56	.42	
604-WP7143PBC/H	WP7143PBC/H	C	Blue	Wtr Clear	3.7	1500	2500	470	30°	2.73	2.18	1.87	1.40	
604-WP7113PBC/H	WP7113PBC/H	C	Blue	Wtr Clear	3.7	2200	3600	467	16°	2.73	2.18	1.87	1.40	
604-WP7113SEC/H	WP7113SEC/H	C	Red	Wtr Clear	2.4	7000	10000	630	20°	.82	.66	.56	.52	

BLINKING LED LAMPS

T-1 (3mm) Size

• Forward current: 38-56mA

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Forward Voltage (V)		Luminous Intensity		Peak Wavelength (nm)	Viewing Angle	Price Each				
			LED	Lens	Min.	Typ.	Min.	Typ.			1	100	500	1000	2000+
604-WP36BHD	WP36BHD	B	Red	Red Diff.	3.5	9/12	1.3	3.2	700	60°	.88	.71	.60	.45	Call for Quote
604-WP36BGD	WP36BGD	B	Green	Green Diff.	3.5	9/12	5.0	32	565	60°	.88	.71	.60	.45	
604-WP36BYD	WP36BYD	B	Yellow	Yellow Diff.	3.5	9/12	5.0	32	590	60°	.88	.71	.60	.45	

T-1 3/4 (5mm) Size

604-WP56BHD	WP56BHD	C	Red	Red Diff.	3.5	9/12	2.0	8	700	60°	.83	.67	.57	.43	Call for Quote
604-WP56BGD	WP56BGD	C	Green	Green Diff.	3.5	9/12	5.0	32	565	60°	.83	.67	.57	.43	
604-WP56BYD	WP56BYD	C	Yellow	Yellow Diff.	3.5	9/12	5.0	32	590	60°	.83	.67	.57	.43	
604-WP56BSRD/B	WP56BSRD/B	C	Red	Red Diff.	3.5	9/12	100	300	660	60°	.98	.78	.67	.47	

SUPER FLUX LED LAMPS

7.6mm x 7.6mm Size

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Iv (mcd) @ 20 mA		Peak Wavelength (nm)	Viewing Angle	Price Each				
			LED	Lens	Min.	Typ.			1	100	500	1000	2000+
604-WP7676CSEC/E	WP7676CSEC/E	D	Red	Wtr Clear	500	800	621	70°	.52	.42	.37	.35	Call for Quote
604-WP7676CSEC/G	WP7676CSEC/G	D	Red	Wtr Clear	700	1200	625	70°	.52	.42	.37	.35	
604-WP7676CSEC/H	WP7676CSEC/H	D	Red	Wtr Clear	1500	1800	630	70°	.85	.68	.61	.57	
604-WP7676CSYC	WP7676CSYC	D	Yellow	Wtr Clear	200	400	588	70°	.52	.42	.37	.35	
604-WP7676CSURC	WP7676CSURC	D	Red	Wtr Clear	300	500	628	70°	.52	.42	.37	.35	
604-WP7676CSURC/E	WP7676CSURC/E	D	Red	Wtr Clear	300	600	630	70°	.52	.42	.37	.35	
604-WP76761CPWC	WP76761CPWC	D	White	Wtr Clear	400	600	-	20°	1.79	1.43	1.29	1.22	

LAMINA LED Light Sources and Accessories

Lamina's innovative LED arrays provide a revolutionary improvement in the LED market by creating the highest density packaging of discrete LED die. Developed using Lamina's multilayer Low Temperature Co-Fired Ceramic on Metal (LTCC-M) technology.

Thermal performance is the key to achieving high luminous densities, high reliability and long life. Lamina's LTCC-M packaging allows LED devices (dies) to be mounted directly to an engineered metal core without sub-mounts. This creates the optimum thermal path to conduct heat away from the LED device. The result is that multiple devices can be located in close proximity while maintaining target LED junction temperatures.

Typical Applications:

Architectural Lighting:
- Decorative and accent
- Cove and under-shelf
- Step lighting
- Garden and pathway

LCD Backlight:
- Computer displays
- Heads up displays

Automotive:
- Interior
- Dashboard backlight
- CHMSL (Third brake light)

Signals and Signage:
- Airfield taxiway
- Traffic
- Security
- Beacons
- Rail

Task Lighting:
- Medical lights

NEW! TECHNOLOGY

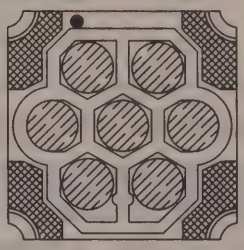
BL-4000 Series

LAMINA SINGLE CAVITY, BL-4000 PRODUCTS

*Optical and Electrical specifications are given for the specified drive current at a 25°C junction temperature.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lamina Part No.	Color	Wavelength (nm) Min	Wavelength (nm) Max	Typ. Volt. (V)	Drive Current (A)	Power (W)	Luminous Flux (lm) Typ.	Thermal Resis. (°C/W) Typ.	Price Each 1	Price Each 10	Price Each 50
599-BL-42D0-0304	BL-42D0-0304	White	- - -	- - -	7.6	700	5.3	120	2.5	20.41	18.44	16.73
RGB, Full Color Module												
599-BL-43F0-0305	BL-43F0-0305	Red	619	629	4.5	350	1.6	42	2.5	28.75	25.96	23.55
		Green	525	535	6.7	350	2.4	63	2.5			
		Blue	460	470	7.6	350	2.7	15	2.5			



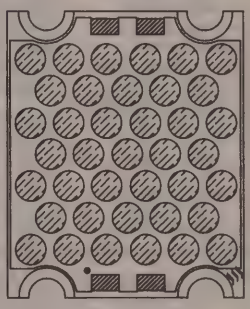
BL-2000 Series

LAMINA 7 CAVITY, BL-2000 PRODUCTS

*Optical and Electrical specifications are given for the specified drive current at a 25°C junction temperature.

For quantities of 100 and up, call for quote.

599-BL-21A0-0121	BL-21A0-0121	Red	613	623	6.69	2.1	13.6	270	2.25	20.42	18.43	16.74
599-BL-21E0-0131	BL-21E0-0131	Amber	581	594	6.69	2.1	13.7	290	2.25	20.42	18.43	16.74
599-BL-22B1-0140	BL-22B1-0140	Blue	465	475	10.5	0.42	4.5	28	2.63	11.97	10.80	9.81
599-BL-22C1-0141	BL-22C1-0141	Green	515	535	10	0.42	4.3	78	2.63	13.36	12.06	10.95
599-BL-22D0-0130	BL-22D0-0130	White	- - -	- - -	11.3	0.42	4.7	108	2.63	18.15	16.37	14.87
599-BL-22D1-0244	BL-22D1-0244	White	- - -	- - -	24	0.21	5	100	2.63	26.10	24.65	20.30
RGB, Full Color Module												
599-BL-22F0-0132	BL-22F0-0132	Red	619	629	3	0.63	1.5	31	2.63	20.77	18.74	17.04
		Green	515	535	4	0.63	2.3	31	2.63			
		Blue	465	475	4	0.21	0.84	4.2	2.63			
RGB+, Full Color Module												
599-BL-23F1-0246	BL-23F1-0246	Red	619	629	4.8	0.21	1	21	2.63	20.77	18.74	17.04
		Green	515	535	7	0.21	1.5	26	2.63			
		Blue	465	475	7	0.21	1.5	8	2.63			



BL-3000 Series

LAMINA 39 CAVITY, BL-3000 PRODUCTS

*Optical and Electrical specifications are given for the specified drive current at a 25°C junction temperature.

For quantities of 100 and up, call for quote.

599-BL-31A0-0122	BL-31A0-0122	Red	613	623	6.69	15.6	104	2045	0.56	90.77	84.15	77.58
599-BL-31E0-0134	BL-31E0-0134	Amber	581	594	6.69	15.6	104	1620	0.56	90.77	84.15	77.58
599-BL-32B1-0143	BL-32B1-0143	Blue	465	475	10.2	2.34	23.5	162	0.66	55.68	51.62	47.59
599-BL-32C1-0144	BL-32C1-0144	Green	515	535	10.7	2.34	24.6	570	0.66	70.40	65.28	60.16
599-BL-32D0-0133	BL-32D0-0133	White	- - -	- - -	11.3	2.34	26	567	0.66	81.48	75.54	69.64
599-BL-32D1-0245	BL-32D1-0245	White	- - -	- - -	24	1.17	28	525	0.66	90.77	84.15	77.04
RGB, Full Color Module												
599-BL-33F0-0142	BL-33F0-0142	Red	619	629	4.8	1.17	5.6	114	0.66	67.20	62.30	57.44
		Green	515	535	7.2	1.17	8.4	145	0.66			
		Blue	465	475	7.2	1.17	8.4	47	0.66			

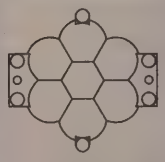
LAMINA LIGHT SOURCE OPTICS

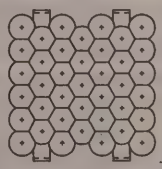
NEW FROM SUPPLIER

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lamina Part No.	Light Source Series	Beam Angle	Description	Price Each 1	Price Each 10	Price Each 50
599-BL-OP20-070	BL-OP20-070	BL-2000	70	Low Profile, Wide Flood	2.92	2.27	1.83
599-BL-OP30-060	BL-OP30-060	BL-3000	60	Low Profile, Wide Flood	6.75	5.25	4.21
599-FHS-HNB1-LC01	FHS-HNB1-LC01-H	BL-4000	10	Narrow with Holder	6.57	5.11	4.10
599-FHS-HMB1-LC01	FHS-HMB1-LC01-H	BL-4000	30	Medium with Holder	6.57	5.11	4.10
599-FHS-HWB1-LC01	FHS-HWB1-LC01-H	BL-4000	45	Wide with Holder	6.57	5.11	4.10

BL-2000 Series





BL-3000 Series

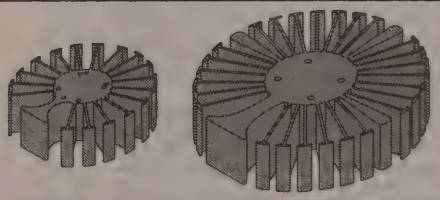
BL-4000 Series

LAMINA HEAT SINKS

NEW FROM SUPPLIER

For quantities of 100 and up, call for quote.

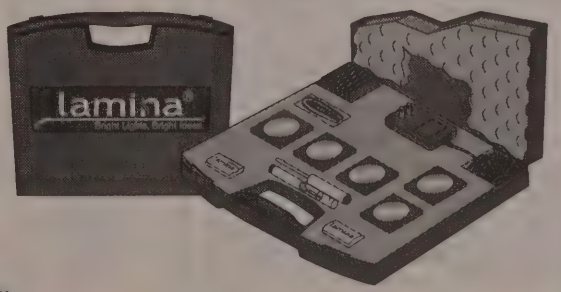
MOUSER STOCK NO.	Lamina Part No.	Light Source Series	Diameter (in.)	Thickness (in.)	Mounting Holes	Price Each 1	Price Each 10	Price Each 50
599-BL-20-HS100	800-0345-1	BL-2000 / 4000	2.45	1.00	2-56 UNC	7.90	7.41	6.92
599-BL-30-HS100	800-0346-1	BL-3000	5.40	1.00	6-32 UNC	25.62	24.88	24.34



LAMINA BL-2000 DISCOVERY KIT

Lamina's "Discovery" kit contains ALL necessary components to allow the customers to "plug and play." It contains light engines, solder, wire, heatsinks, powersupplies, screws, and thermal interface tapes to make it simple for you to learn and interact with Lamina BL-2000 light engines.

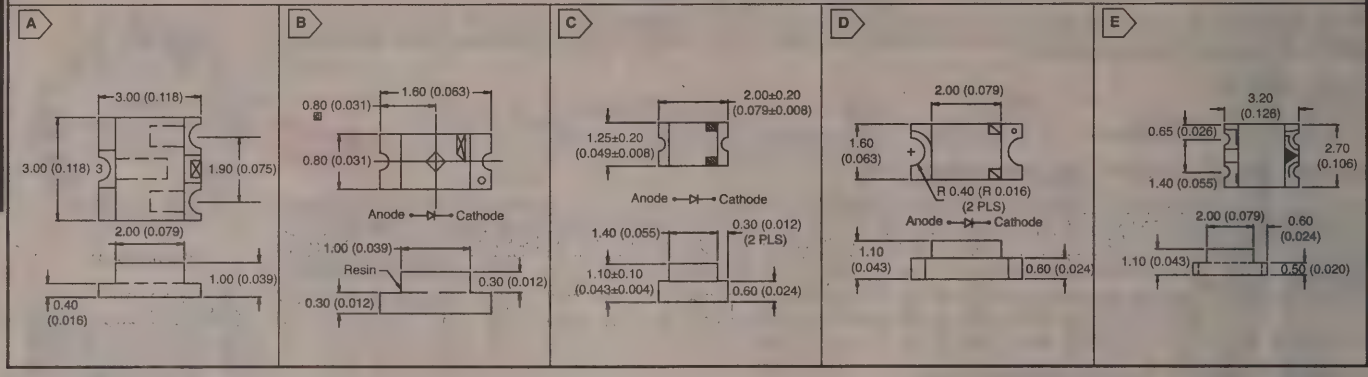
Kit contains the following parts:
- One each of the BL-2000 single color light engines. (Red, Amber, Blue, Green, White)
- Two Heatsinks
- 10 each of White and Black Jumper Wires
- 10 Thermal Interface Tapes
- One 24VDC 1.05A Power Adapter
- One Voltage Board Regulator
- Hardware



MOUSER STOCK NO.	Lamina Part No.	Description	Price Each
599-DK2000-0303	DK-2000-0303	LED Kit for BL-2000 Products	250.00

LUMEX SMD LEDs

DIMENSIONS mm (IN.)



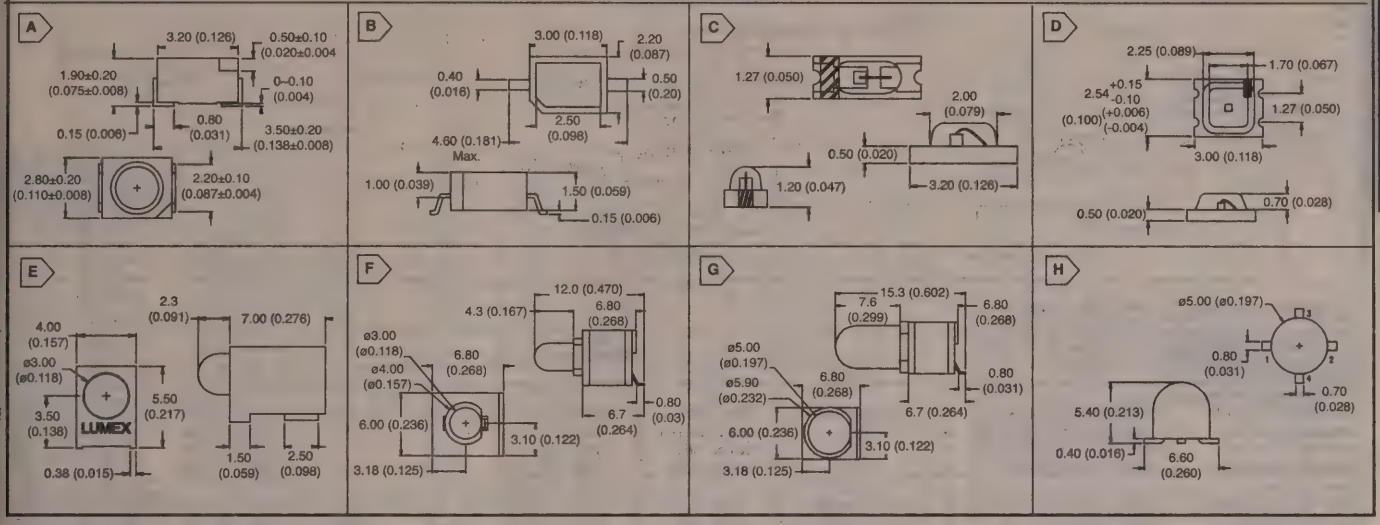
LUMEX SURFACE MOUNT LEDS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
SOT-23													
696-SML-LX15SRC	SML-LX15SRC-TR	A	Super Red	Water Clear	660	1.7	30	20	140°	.56	.49	.42	.35
696-SML-LX15IC	SML-LX15IC-TR	A	Red	Water Clear	635	2	30	10	140°	.52	.45	.39	.32
696-SML-LX15SYC	SML-LX15SYC-TR	A	Super Yellow	Water Clear	590	2.1	30	60	140°	.56	.49	.42	.35
696-SML-LX15YC	SML-LX15YC-TR	A	Yellow	Water Clear	585	2.1	30	10	140°	.52	.45	.39	.32
696-SML-LX15SUGC	SML-LX15SUGC-TR	A	Super Ultra Green	Water Clear	574	2.2	25	45	140°	.56	.49	.42	.35
696-SML-LX15GC	SML-LX15GC-TR	A	Green	Water Clear	565	2.1	25	10	140°	.52	.45	.39	.32
696-SML-LX15UPGC	SML-LX15UPGC-TR	A	Ultra Pure Green	Water Clear	525	3.5	30	45	140°	3.00	2.62	2.25	1.87
696-SML-LX15USBC	SML-LX15USBC-TR	A	Ultra Super Blue	Water Clear	470	3.5	30	120	140°	3.00	2.62	2.25	1.87
SOT-23 Reverse Polarity													
696-SML-LX15SRC-RP	SML-LX15SRC-RP-TR	A	Super Red	Water Clear	660	1.7	30	20	140°	.56	.49	.42	.35
696-SML-LX15IC-RP	SML-LX15IC-RP-TR	A	Red	Water Clear	635	2	30	10	140°	.52	.45	.39	.32
696-SML-LX15SYC-RP	SML-LX15SYC-RP-TR	A	Super Yellow	Water Clear	590	2.1	30	60	140°	.56	.49	.42	.35
696-SML-LX15YC-RP	SML-LX15YC-RP-TR	A	Yellow	Water Clear	585	2.1	30	10	140°	.52	.45	.39	.32
696-SML-LX15GC-RP	SML-LX15GC-RP-TR	A	Green	Water Clear	565	2.1	25	10	140°	.52	.45	.39	.32
696-SMLLX15SUGC-RP	SML-LX15SUGC-RP-TR	A	Green	Water Clear	574	2.2	25	45	140°	.56	.49	.42	.35
696-SMLLX15UPGC-RP	SML-LX15UPGC-RP-TR	A	Green	Water Clear	525	3.5	30	45	140°	3.00	2.62	2.25	1.87
696-SMLLX15USBC-RP	SML-LX15USBC-RP-TR	A	Blue	Water Clear	470	3.5	30	120	140°	3.00	2.62	2.25	1.87
0603													
696-SML-LX0603SRW	SML-LX0603SRW-TR	B	Super Red	White Diff.	660	1.8	30	45	140°	.20	.17	.15	.12
696-SML-LX0603IW	SML-LX0603IW-TR	B	Red	White Diff.	635	2	30	14	160°	.20	.17	.15	.12
696-SML-LX0603YW	SML-LX0603YW-TR	B	Yellow	White Diff.	585	2.1	30	14	160°	.20	.17	.15	.12
696-SML-LX0603GW	SML-LX0603GW-TR	B	Green	White Diff.	565	2.2	25	18	160°	.20	.17	.15	.12
696-SML-LX0603SIW	SML-LX0603SIW-TR	B	Super Intensity Red	White Diff.	636	2	30	60	140°	.44	.38	.33	.27
696-SML-LX0603SOW	SML-LX0603SOW-TR	B	Super Orange	White Diff.	610	2	30	60	140°	.44	.38	.33	.27
696-SML-LX0603SYW	SML-LX0603SYW-TR	B	Super Yellow	White Diff.	590	2	30	60	140°	.56	.49	.42	.35
696-SML-LX0603SUGW	SML-LX0603SUGW-TR	B	Super Ultra Green	White Diff.	574	2.2	25	45	140°	.60	.52	.45	.37
0805													
696-SML-LXT0805SRW	SML-LXT0805SRW-TR	C	Super Red	White Diff.	660	1.8	30	21	140°	.24	.21	.18	.15
696-SML-LXT0805IW	SML-LXT0805IW-TR	C	Red	White Diff.	635	2	30	11	140°	.20	.17	.15	.12
696-SML-LXT0805YW	SML-LXT0805YW-TR	C	Yellow	White Diff.	585	2.1	30	10	140°	.20	.17	.15	.12
696-SML-LXT0805GW	SML-LXT0805GW-TR	C	Green	White Diff.	565	2	30	11	140°	.20	.17	.15	.12
696-SML-LXR85IC	SML-LXR85IC-TR	C	Red	Water Clear	635	2	25	12	130°	.24	.21	.18	.15
696-SML-LXR85UPGC	SML-LXR85UPGC-TR	C	Green	Water Clear	525	3.5	25	45	160°	3.88	3.39	2.91	2.42
696-SML-LXR85USBC	SML-LXR85USBC-TR	C	Blue	Water Clear	470	3.5	25	30	160°	3.68	3.22	2.76	2.30
696-SML-LX0805SIC	SML-LX0805SIC-TR	C	Super Red	Water Clear	636	2	30	60	140°	.32	.28	.24	.20
696-SML-LX0805SOC	SML-LX0805SOC-TR	C	Super Orange	Water Clear	610	2	30	60	140°	.48	.42	.36	.30
696-SML-LX0805UPGC	SML-LX0805UPGC-TR	C	Ultra Green	Water Clear	525	3.5	30	45	140°	3.68	3.22	2.76	2.30
696-SML-LX0805USBC	SML-LX0805USBC-TR	C	Super Blue	Water Clear	470	3.5	30	25	140°	4.08	3.57	3.06	2.55
696-SML-LXR85SOC	SML-LXR85SOC-TR	C	Orange	Water Clear	610	2	30	75	160°	.52	.45	.39	.32
696-SML-LXR85SYC	SML-LXR85SYC-TR	C	Yellow	Water Clear	595	2	25	50	130°	.72	.63	.54	.45
696-SML-LXR85SUGC	SML-LXR85SUGC-TR	C	Green	Water Clear	574	2.2	25	45	180°	.72	.63	.54	.45
696-SMLLXT0805SUGW	SML-LXT0805SUGW-TR	C	Green	Water Clear	565	2.2	30	200	30°	1.88	1.64	1.41	1.17
1206													
696-SML-LX1206SRC	SML-LX1206SRC-TR	D	Super Red	Water Clear	660	1.8	30	15	160°	.20	.17	.15	.12
696-SML-LX1206SRW	SML-LX1206SRW-TR	D	Super Red	White Diff.	660	1.8	30	15	160°	.24	.21	.18	.15
696-SML-LX1206IC	SML-LX1206IC-TR	D	Red	Water Clear	635	2	25	6	160°	.20	.17	.15	.12
696-SML-LX1206IW	SML-LX1206IW-TR	D	Red	White Diff.	635	2	25	6	160°	.20	.18	.15	.13
696-SML-LX1206YC	SML-LX1206YC-TR	D	Yellow	Water Clear	585	2.1	25	6	160°	.20	.17	.15	.12
696-SML-LX1206GC	SML-LX1206GC-TR	D	Green	Water Clear	565	2.2	25	10	160°	.16	.14	.12	.10
696-SML-LX1206GW	SML-LX1206GW-TR	D	Green	White Diff.	565	2.2	25	10	160°	.20	.18	.15	.13
696-SML-LX1206UWW	SML-LX1206UWW-TR	D	Ultra White	Pale Diffused	550	3.5	20	90	140°	3.16	2.76	2.37	1.97
696-SML-LX1206UPGC	SML-LX1206UPGC-TR	D	Ultra Pure Green	Water Clear	525	3.5	25	45	140°	3.84	3.36	2.88	2.40
696-SML-LX1206USBC	SML-LX1206USBC-TR	D	Ultra Super Blue	Water Clear	470	3.5	25	25	140°	3.64	3.18	2.73	2.27
696-SML-LX1206SIC	SML-LX1206SIC-TR	D	Super Intensity Red	Water Clear	636	2	30	70	140°	.24	.21	.18	.15
696-SML-LX1206SOC	SML-LX1206SOC-TR	D	Super Orange	Water Clear	610	2	30	70	140°	.24	.21	.18	.15
696-SML-LX1206SYC	SML-LX1206SYC-TR	D	Super Yellow	Water Clear	590	2	30	70	140°	.56	.49	.42	.35
696-SML-LX1206SUGC	SML-LX1206SUGC-TR	D	Super Ultra Green	Water Clear	574	2.2	25	45	140°	.08	.94	.81	.67
1210 - Dual Color													
696-SMLLX1210SRSRC	SML-LX1210SRSRC-TR	E	Sup. Red/Sup. Red	Water Clear	660	1.7	30	15	160°	.84	.73	.63	.52
696-SML-LX1210IGC	SML-LX1210IGC-TR	E	Red/Green	Water Clear	635/565	2.0/2.2	25	10	160°	.36	.31	.27	.22
696-SML-LX1210YGC	SML-LX1210YGC-TR	E	Yellow/Green	Water Clear	585/565	2.1/2.2	25	10	160°	.36	.31	.27	.22
696-SML-LX1210GGC	SML-LX1210GGC-TR	E	Green/Green	Water Clear	565/565	2.2	25	10	160°	.44	.38	.33	.27
696-SMLLX1210SRSGC	SML-LX1210SRSGC-TR	E	Red/Green	Water Clear	660/565	1.8/2.2	30/25	15/10	160°	.80	.70	.60	.50
696-SML-LX1210IIC	SML-LX1210IIC-TR	E	Red/Red	Water Clear	635	2	25	10	160°	.36	.31	.27	.22

LUMEX SMD LEDs

DIMENSIONS mm (IN.)



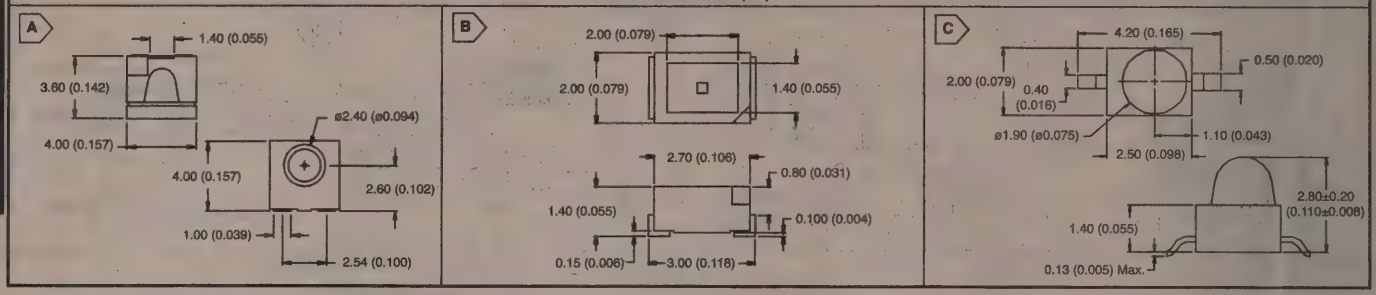
LUMEX SURFACE MOUNT LEDS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
2.8mm x 3.2mm													
696-SML-LX2832SRC	SML-LX2832SRC-TR	A	Super Red	Water Clear	660	1.7	30	100	120°	.56	.49	.42	.35
696-SML-LX2832IC	SML-LX2832IC-TR	A	Red	Water Clear	635	2	30	25	120°	.36	.31	.27	.22
696-SML-LX2832YC	SML-LX2832YC-TR	A	Yellow	Water Clear	585	2.1	30	15	120°	.36	.31	.27	.22
696-SML-LX2832GC	SML-LX2832GC-TR	A	Green	Water Clear	565	2.1	25	25	120°	.36	.31	.27	.22
696-SML-LX2832USBC	SML-LX2832USBC-TR	A	Ultra Super Blue	Water Clear	470	3.5	30	60	120°	4.60	4.02	3.45	2.87
696-SML-LX2832SIC	SML-LX2832SIC-TR	A	Super Intensity Red	Water Clear	636	2	30	250	120°	.56	.49	.42	.35
696-SML-LX2832SOC	SML-LX2832SOC-TR	A	Super Orange	Water Clear	610	2	30	300	120°	.72	.63	.54	.45
696-SML-LX2832SYC	SML-LX2832SYC-TR	A	Super Yellow	Water Clear	595	2	30	80	120°	.56	.49	.42	.35
696-SML-LX2832SUGC	SML-LX2832SUGC-TR	A	Super Ultra Green	Water Clear	574	2.2	25	150	120°	.56	.49	.42	.35
1.7mm x 2.5mm													
696-SSL-LXA1725SRC	SSL-LXA1725SRC-TR	B	Super Red	Water Clear	650	2	25	30	130°	.40	.35	.30	.25
696-SSL-LXA1725IC	SSL-LXA1725IC-TR	B	Red	Water Clear	635	2	30	12	130°	.36	.31	.27	.22
696-SSL-LXA1725YC	SSL-LXA1725YC-TR	B	Yellow	Water Clear	585	2.1	30	12	130°	.36	.31	.27	.22
696-SSL-LXA1725GC	SSL-LXA1725GC-TR	B	Green	Water Clear	565	2.1	25	25	130°	.32	.28	.24	.20
696-SSL-LXA3025IGC	SSL-LXA3025IGC-TR	B	Red/Green	Water Clear	635/565	2.0/2.1	30/25	12/20	130°	.72	.63	.54	.45
696-SSL-LXA3025YGC	SSL-LXA3025YGC-TR	B	Yellow/Green	Water Clear	585/565	2.1	30/25	12	130°	.68	.59	.51	.42
1.2 mm x 3.2mm													
696-CCL-LX45SRT	CCL-LX45SRT	C	Super Red	Red Trans	660	1.8	30	8	180°	1.28	1.12	.96	.80
696-CCL-LX45IT	CCL-LX45IT	C	Red	Red Trans	635	2.1	30	7.2	180°	.84	.735	.63	.525
696-CCL-LX45YT	CCL-LX45YT	C	Yellow	Yellow Trans	585	2.3	30	7	180°	.84	.735	.63	.525
696-CCL-LX45GT	CCL-LX45GT	C	Green	Green Trans	565	2.2	30	7	180°	.84	.735	.63	.525
2.5mm x 3mm													
696-CCL-CRS10SR	CCL-CRS10SR	D	Super Red	Water Clear	660	1.7	15	8	180°	.88	.77	.66	.55
696-CCL-CRS10R	CCL-CRS10R	D	Red	Water Clear	635	2	25	4	180°	.72	.63	.54	.45
696-CCL-CRS10Y	CCL-CRS10Y	D	Yellow	Water Clear	585	2.1	30	8	180°	.72	.63	.54	.45
696-CCL-CRS10G	CCL-CRS10G	D	Green	Water Clear	565	2	25	12	180°	.56	.49	.42	.35
696-SML-LX23SRC	SML-LX23SRC-TR	D	Super Red	Water Clear	660	1.8	30	100	90°	.48	.42	.36	.30
696-SML-LX23IC	SML-LX23IC-TR	D	Red	Water Clear	635	2	30	20	120°	.40	.35	.30	.25
696-SML-LX23YC	SML-LX23YC-TR	D	Yellow	Water Clear	585	2.1	30	20	120°	.40	.35	.30	.25
696-SML-LX23GC	SML-LX23GC-TR	D	Green	Water Clear	565	2.1	25	20	120°	.40	.35	.30	.25
T1 (3mm) Right Angle													
696-SSF-LXH305SRD	SSF-LXH305SRD-TR	E	Super Red	Red Diff	660	1.7	30	80	60°	1.00	.87	.75	.62
696-SSF-LXH305ID	SSF-LXH305ID-TR	E	Red	Red Diff	635	2	30	40	60°	.76	.66	.57	.47
696-SSF-LXH305YD	SSF-LXH305YD-TR	E	Yellow	Yellow Diff	585	2.1	30	30	60°	.76	.66	.57	.47
696-SSF-LXH305GD	SSF-LXH305GD-TR	E	Green	Green Diff	565	2.2	25	30	60°	.76	.66	.57	.47
696-SSF-LXH305USBD	SSF-LXH305USBD-TR	E	Ultra Super Blue	Blue Diff	470	3.5	30	80	60°	6.48	5.67	4.86	4.05
696-SSF-LXH305SID	SSF-LXH305SID-TR	E	Super Intensity Red	Red Diff.	636	2	30	100	60°	2.36	2.06	1.77	1.47
696-SSF-LXH305SOD	SSF-LXH305SOD-TR	E	Super Orange	Orange Diff.	610	2.1	30	100	60°	2.36	2.06	1.77	1.47
696-SSF-LXH305SYD	SSF-LXH305SYD-TR	E	Super Yellow	Yellow Diff.	590	2.1	30	250	60°	1.96	1.71	1.47	1.22
696-SSF-LXH305SGD	SSF-LXH305SGD-TR	E	Super Green	Green Diff.	565	2.2	30	150	60°	1.08	.94	.81	.67
T1 (3mm)													
696-HM1530SRD-305	SMF-HM1530SRD-305	F	Super Red	Red Diff	660	1.7	30	80	60°	.80	.70	.60	.50
696-HM1530ID-305	SMF-HM1530ID-305	F	Red	Red Diff	635	2	30	30	60°	.68	.59	.51	.42
696-HM1530YD-305	SMF-HM1530YD-305	F	Yellow	Yellow Diff	585	2.1	30	30	60°	.68	.59	.51	.42
696-HM1530GD-305	SMF-HM1530GD-305	F	Green	Green Diff	565	2.2	30	30	60°	.68	.59	.51	.42
T1 3/4 (5mm) Right Angle													
696-HM1530SRD-509	SMF-HM1530SRD-509	G	Super Red	Red Diff	660	1.7	30	100	60°	.80	.70	.60	.50
696-HM1530ID-509	SMF-HM1530ID-509	G	Red	Red Diff	635	2	25	30	60°	.68	.59	.51	.42
696-HM1530YD-509	SMF-HM1530YD-509	G	Yellow	Yellow Diff	585	2.1	30	30	60°	.68	.59	.51	.42
696-HM1530GD-509	SMF-HM1530GD-509	G	Green	Green Diff	565	2.2	25	30	60°	.68	.59	.51	.42
T1 3/4 (5mm)													
696-SML-LXL505SRC	SML-LXL505SRC-TR	H	Super Red	Water Clear	660	1.7	30	400	30°	.44	.38	.33	.27
696-SML-LXL505SIC	SML-LXL505SIC-TR	H	Super Int. Red	Water Clear	636	2	30	1200	30°	.44	.38	.33	.27
696-SML-LXL505SOC	SML-LXL505SOC-TR	H	Super Orange	Water Clear	610	2	30	1500	30°	.44	.38	.33	.27
696-SML-LXL505SYC	SML-LXL505SYC-TR	H	Super Yellow	Water Clear	590	2.1	30	1200	30°	.44	.38	.33	.27
696-SML-LXL505SUGC	SML-LXL505SUGC-TR	H	Super Ultra Green	Water Clear	574	2.2	25	100	30°	.48	.42	.36	.30
696-SML-LXL505UPGC	SML-LXL505UPGC-TR	H	Ultra Green	Water Clear	525	3.5	25	500	30°	4.00	3.50	3.00	2.50
696-SML-LXL505USBC	SML-LXL505USBC-TR	H	Ultra Super Blue	Water Clear	470	3.5	30	800	30°	4.00	3.50	3.00	2.50

LUMEX SMD LEDs

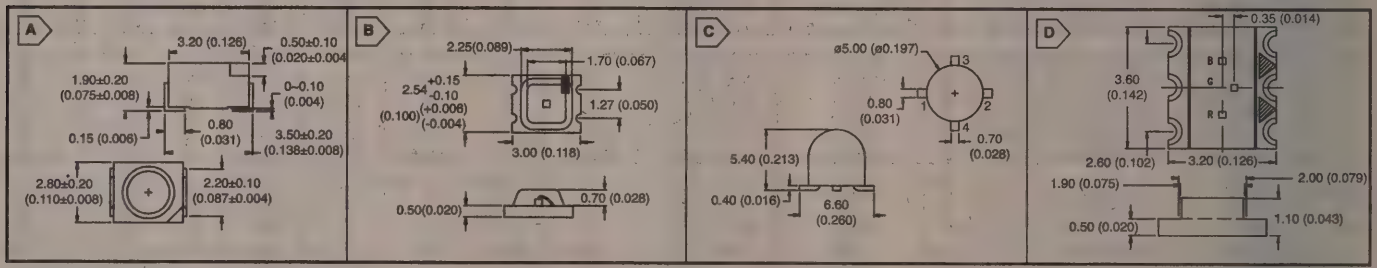
DIMENSIONS mm (IN.)



LUMEX SURFACE MOUNT LEDS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
3.6 x 4 mm Right Angle													
696-SML-LXR44SRC	SML-LXR44SRC-TR	A	Super Red	Water Clear	660	1.7	30	80	90°	.68	.59	.51	.42
696-SML-LXR44IC	SML-LXR44IC-TR	A	Red	Water Clear	635	2	30	25	90°	.56	.49	.42	.35
696-SML-LXR44YC	SML-LXR44YC-TR	A	Yellow	Water Clear	585	2.1	30	9	90°	.56	.49	.42	.35
696-SML-LXR44GC	SML-LXR44GC-TR	A	Green	Water Clear	565	2.2	25	25	90°	.56	.49	.42	.35
2mm x 3mm													
696-SML-LX23USBC	SML-LX23USBC-TR	B	Ultra Super Blue	Water Clear	470	3.5	30	60	90°	3.24	2.83	2.43	2.02
696-SML-LX23SIC	SML-LX23SIC-TR	B	Super Intensity Red	Water Clear	636	2	30	300	90°	.92	.80	.69	.57
696-SML-LX23SOC	SML-LX23SOC-TR	B	Super Orange	Water Clear	610	2.45	30	300	90°	.92	.80	.69	.57
696-SML-LX23SYC	SML-LX23SYC-TR	B	Super Yellow	Water Clear	590	2	30	200	90°	.92	.80	.69	.57
696-SML-LX23SUGC	SML-LX23SUGC-TR	B	Super Ultra Green	Water Clear	574	2.2	25	80	90°	1.28	1.12	.96	.80
2mm x 2.5mm Gull Wing													
696-SSL-LXA228SIC	SSL-LXA228SIC-TR11	C	Super Intensity Red	Water Clear	632	2	30	475	50°	.80	.70	.60	.50
696-SSL-LXA228SOC	SSL-LXA228SOC-TR11	C	Super Orange	Water Clear	610	2	30	700	25°	.80	.70	.60	.50
696-SSL-LXA228SYC	SSL-LXA228SYC-TR11	C	Super Yellow	Water Clear	590	2	30	300	25°	.52	.45	.39	.32
696-SSL-LXA228SUGC	SSL-LXA228SUGCTR11	C	Green	Water Clear	574	2.2	30	200	30°	.52	.45	.39	.32
696-SSL-LXA228USBC	SSL-LXA228USBCTR11	C	Blue	Water Clear	470	3.5	30	250	30°	4.60	4.02	3.45	2.87



LUMEX SURFACE MOUNT LEDS

RGB (Red, Green, Blue)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
2.8x3.2mm													
696-LX2832SISUGSBC	SML-LX2832SISUGSBC	A	Red Green Blue	Water Clear	660 574 470	1.7 2.2 3.5	30 25 30	110 60 60	120°	2.56	2.24	1.92	1.60
3.2x3.6mm													
696-LX3632SISUGSBC	SML-LX3632SISUGSBC	D	Red Green Blue	Water Clear	660 574 470	1.8 2.2 3.5	30 25 30	75 60 50	120°	2.56	2.24	1.92	1.60
5x5mm													
696-LXL5550SRSGSBW	SML-LXL5550SRSGSBW	C	Red Green Blue	White Diff.	660 565 430	1.7 2.1 3.8	30 25 30	9 9 8	120°	8.10	7.09	6.08	5.49

White SMD

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
2.8mm x 3.2mm													
696-SML-LX2832UWC	SML-LX2832UWC-TR	A	White	Water Clear	-	3.6	30	150	120°	4.48	3.92	3.36	2.80
2mm x 3mm													
696-SML-LX23UWC	SML-LX23UWC-TR	B	White	Water Clear	-	3.6	30	40	120°	4.48	3.92	3.36	2.80

SURFEELEDS™ DEMO-BOX

The new Surfeeleds Demo Box is a tool specifically designed to help you design in surface mount LEDS. Besides being able to light up the SMDs for an exhilarating visual effect, enclosed in each Demo Box is a mini CD Rom, that gives you a virtual image of the open box. Just click on the part of your choice and the specs of that SMD LED pop up in a pdf format. Also incorporated in each box is a through-hole LED tester box with various currents, to aid design engineers.

MOUSER STOCK NO.	Description	Price Each
696-SMD-DEMO-BOX	Surfeeleds™ Demo Box	99.00

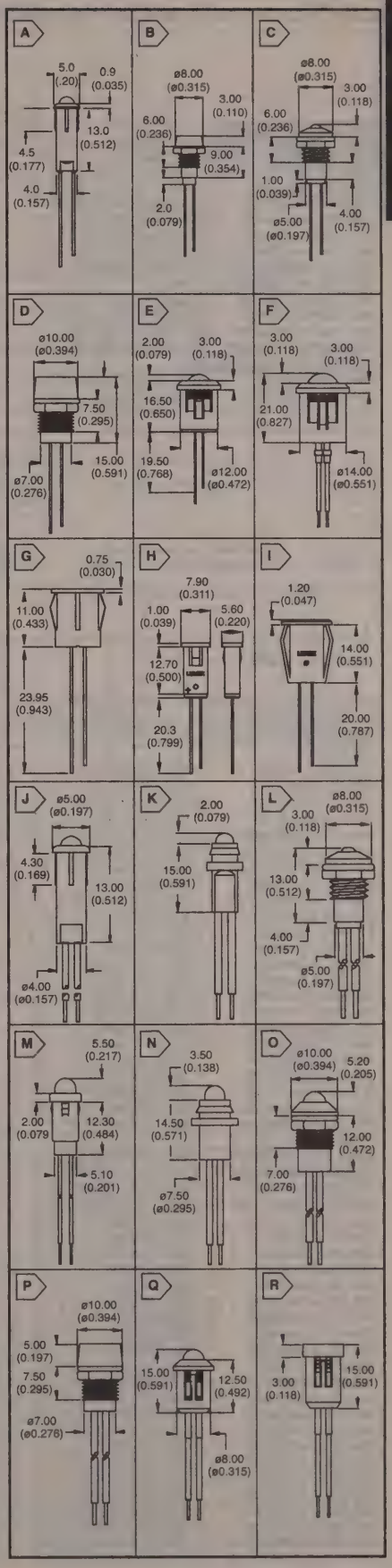
LUMEX LED Panel Mount Indicators

LUMEX LED INDICATORS

DIMENSIONS mm (IN.)

For quantities of 2000 and up, call for quote.

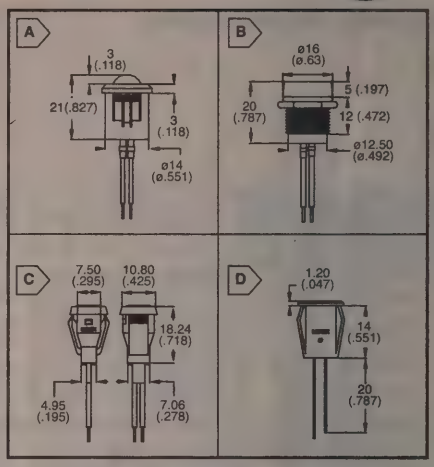
MOUSER STOCK NO.	Lumex Part No.	Fig.	Emitted Color	Peak Wave-length (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	View Angle	Price Each 1	100	500	1000
T1 (3mm) Straight Terminals												
696-SSI-LXH312ID	SSI-LXH312ID	A	Red	635	2	30	10	80°	.42	.35	.28	.24
696-SSI-LXR1612SRD	SSI-LXR1612SRD	B	Super Red	660	1.7	30	70	80°	1.50	1.25	1.00	.87
696-SSI-LXR1612ID	SSI-LXR1612ID	B	Red	635	2	30	40	60°	1.20	1.00	.80	.70
696-SSI-LXR1612YD	SSI-LXR1612YD	B	Yellow	585	2.1	30	30	60°	1.20	1.00	.80	.70
696-SSI-LXR1612GD	SSI-LXR1612GD	B	Green	565	2.1	25	30	60°	1.20	1.00	.80	.70
696-SSI-LXR3612SRD	SSI-LXR3612SRD	C	Super Red	660	1.7	30	65	80°	1.50	1.25	1.00	.87
696-SSI-LXR3612ID	SSI-LXR3612ID	C	Red	635	2	30	10	80°	1.20	1.00	.80	.70
696-SSI-LXR3612YD	SSI-LXR3612YD	C	Yellow	585	2	30	10	80°	1.20	1.00	.80	.70
696-SSI-LXR3612GD	SSI-LXR3612GD	C	Green	565	2.2	25	30	60°	1.20	1.00	.80	.70
T1 3/4 (5mm) Straight Terminals												
696-SSI-LXR4815SRD	SSI-LXR4815SRD	D	Super Red	660	1.7	30	40	60°	1.41	1.17	.94	.82
696-SSI-LXR4815ID	SSI-LXR4815ID	D	Red	635	2	30	40	60°	1.26	1.05	.84	.73
696-SSI-LXR4815YD	SSI-LXR4815YD	D	Yellow	585	2.1	30	20	60°	1.26	1.05	.84	.73
696-SSI-LXR4815GD	SSI-LXR4815GD	D	Green	565	2.2	25	30	60°	1.26	1.05	.84	.73
8mm Straight Terminals												
696-SSI-LXH8080SRD	SSI-LXH8080SRD	E	Super Red	660	1.7	30	80	60°	1.02	.85	.68	.59
696-SSI-LXH8080ID	SSI-LXH8080ID	E	Red	635	2	30	40	60°	.84	.70	.56	.49
696-SSI-LXH8080YD	SSI-LXH8080YD	E	Yellow	585	2.1	30	30	60°	.84	.70	.56	.49
696-SSI-LXH8080GD	SSI-LXH8080GD	E	Green	565	2.2	25	30	60°	.84	.70	.56	.49
10mm Straight Terminals												
696-SSI-LXH1090SRD	SSI-LXH1090SRD	F	Super Red	660	1.7	30	80	60°	1.17	.97	.78	.68
696-SSI-LXH1090ID	SSI-LXH1090ID	F	Red	635	2	30	40	60°	1.02	.85	.68	.59
696-SSI-LXH1090YD	SSI-LXH1090YD	F	Yellow	585	2.1	30	30	60°	1.02	.85	.68	.59
696-SSI-LXH1090GD	SSI-LXH1090GD	F	Green	565	2.2	25	30	60°	1.02	.85	.68	.59
Square Straight Terminals												
696-SSI-LXH55SRD	SSI-LXH55SRD	G	Super Red	660	1.8	30	20	80°	.75	.62	.50	.43
696-SSI-LXH55ID	SSI-LXH55ID	G	Red	635	2	30	10	80°	.60	.50	.40	.35
696-SSI-LXH55YD	SSI-LXH55YD	G	Yellow	585	2.1	30	10	80°	.60	.50	.40	.35
696-SSI-LXH55GD	SSI-LXH55GD	G	Green	565	2.2	25	10	80°	.57	.47	.38	.33
Rectangular Straight Terminals												
696-SSI-LXMP059SRD	SSI-LXMP059SRD	H	Super Red	660	1.7	30	25	80°	.90	.75	.60	.52
696-SSI-LXMP059ID	SSI-LXMP059ID	H	Red	635	2.1	30	10	80°	.63	.52	.42	.36
696-SSI-LXMP059YD	SSI-LXMP059YD	H	Yellow	585	2.1	30	10	52°	.63	.52	.42	.36
696-SSI-LXMP059GD	SSI-LXMP059GD	H	Green	565	2.1	25	10	80°	.63	.52	.42	.36
696-SSI-LXH072SRD	SSI-LXH072SRD	I	Super Red	660	1.7	30	50	52°	1.17	.97	.78	.68
696-SSI-LXH072ID	SSI-LXH072ID	I	Red	635	2	30	15	52°	.84	.70	.56	.49
696-SSI-LXH072YD	SSI-LXH072YD	I	Yellow	585	2.1	30	9	52°	.87	.72	.58	.50
696-SSI-LXH072GD	SSI-LXH072GD	I	Green	565	2.2	25	9	52°	.84	.70	.56	.49
3mm (T1) 6" Leads												
696-LXH312GD-150	SSI-LXH312GD-150	J	Green	565	2.1	25	10	80°	.81	.67	.54	.47
696-LXH312ID-150	SSI-LXH312ID-150	J	Red	635	2	30	10	80°	.81	.67	.54	.47
696-LXH312SYD-150	SSI-LXH312SYD-150	J	Yellow	685	2.1	30	30	60°	.81	.67	.54	.47
696-LXH312SID-150	SSI-LXH312SID-150	J	Red	636	2	25	100	60°	1.71	1.42	1.14	.99
696-RM3091GD-150	SSI-RM3091GD-150	K	Green	565	2.2	25	30	60°	2.37	1.97	1.58	1.38
696-RM3091ID-150	SSI-RM3091ID-150	K	Red	635	2	30	40	60°	2.37	1.97	1.58	1.38
696-RM3091SID-150	SSI-RM3091SID-150	K	AlInGap Red	636	2	30	100	60°	2.97	2.47	1.98	1.73
696-RM3091SOD-150	SSI-RM3091SOD-150	K	Super Orange	610	2	30	100	60°	2.97	2.47	1.98	1.73
696-RM3091SRD-150	SSI-RM3091SRD-150	K	Super Red	660	1.7	30	100	60°	2.97	2.47	1.98	1.73
696-RM3091SUGD-150	SSI-RM3091SUGD-150	K	Sup. Ult. Green	574	2.2	25	50	60°	3.60	3.00	2.40	2.10
696-RM3091SYD-150	SSI-RM3091SYD-150	K	Super Yellow	590	2.1	30	100	60°	2.97	2.47	1.98	1.73
696-RM3091USBD-150	SSI-RM3091USBD-150	K	Ult. Sup. Blue	470	3.5	30	80	60°	8.37	6.97	5.58	4.88
696-RM3091YD-150	SSI-RM3091YD-150	K	Yellow	585	2.1	30	30	60°	2.37	1.97	1.58	1.38
3mm (T1) Chrome, 6" Leads												
696-LXR3612SID-150	SSI-LXR3612SID-150	L	Red	636	2	25	100	60°	3.87	3.22	2.58	2.25
696-LXR3612SYD-150	SSI-LXR3612SYD-150	L	Yellow	590	2	25	100	60°	3.87	3.22	2.58	2.25
696-LXR3612USBD150	SSI-LXR3612USBD-150	L	Blue	470	3.5	25	60	60°	8.91	7.42	5.94	5.19
5mm (T1 3/4) 6" Leads												
696-LXH600GD-150	SSI-LXH600GD-150	M	Green	565	2.2	25	30	60°	.81	.67	.54	.47
696-LXH600HGW-150	SSI-LXH600HGW-150	M	Red/Green	700/565	2.0/2.2	25	6/25	60°	1.05	.87	.70	.61
696-LXH600ID-150	SSI-LXH600ID-150	M	Red	635	2	30	40	60°	.81	.67	.54	.47
696-LXH600SID-150	SSI-LXH600SID-150	M	Red	636	2	25	100	60°	1.47	1.22	.98	.85
696-LXH600SYD-150	SSI-LXH600SYD-150	M	Yellow	590	2	25	100	60°	1.47	1.22	.98	.85
696-LXH600USBD-150	SSI-LXH600USBD-150	M	Blue	470	3.5	25	60	60°	5.97	4.97	3.98	3.48
696-SSI-LXH9GD-150	SSI-LXH9GD-150	N	Green	565	2.2	25	30	60°	1.20	1.00	.80	.70
696-SSI-LXH9ID-150	SSI-LXH9ID-150	N	Red	635	2	25	10	60°	1.20	1.00	.80	.70
696-LXH9SRD-150	SSI-LXH9SRD-150	N	Super Red	660	1.7	30	80	60°	1.38	1.15	.92	.80
696-SSI-LXH9YD-150	SSI-LXH9YD-150	N	Yellow	585	2.1	30	30	60°	1.20	1.00	.80	.70
5mm (T1 3/4) Chrome, 6" Leads												
696-LXR3816SID-150	SSI-LXR3816SID-150	O	Red	636	2.0	25	100	60°	3.87	3.22	2.58	2.25
696-LXR3816SYD-150	SSI-LXR3816SYD-150	O	Yellow	590	2	25	100	60°	3.87	3.22	2.58	2.25
696-LXR3816USBD150	SSI-LXR3816USBD150	O	Blue	470	3.5	25	60	60°	8.91	7.42	5.94	5.19
696-LXR4815SID-150	SSI-LXR4815SID-150	P	Red	636	2	25	100	60°	3.42	2.85	2.28	1.99
696-LXR4815SYD-150	SSI-LXR4815SYD-150	P	Yellow	590	2	25	100	60°	3.42	2.85	2.28	1.99
696-LXR4815USBD150	SSI-LXR4815USBD150	P	Blue	470	3.5	25	60	60°	5.97	4.97	3.98	3.48
5mm (T1 3/4) Black, 6" Leads												
696-LXR5010SID-150	SSI-LXR5010SID-150	Q	Red	636	2	25	100	60°	2.55	2.12	1.70	1.48
696-LXR5010SYD-150	SSI-LXR5010SYD-150	Q	Yellow	590	2	25	100	60°	2.55	2.12	1.70	1.48
696-LXR5010USBD150	SSI-LXR5010USBD-150	Q	Blue	470	3.5	25	60	60°	4.38	3.65	2.92	2.55
696-LXR5020SID-150	SSI-LXR5020SID-150	R	Red	636	2	25	100	60°	2.55	2.12	1.70	1.48
696-LXR5020SYD-150	SSI-LXR5020SYD-150	R	Yellow	590	2	25	100	60°	2.55	2.12	1.70	1.48
696-LXR5020USBD150	SSI-LXR5020USBD150	R	Blue	470	3.5	25	60	60°	4.38	3.65	2.92	2.55
696-LXR5020SPGD150	SSI-LXR5020SUGD150	R	Green	574	2.2	25	50	60°	2.61	2.18	1.74	1.52



LUMEX LED Panel Mount Indicators and LEDs

LUMEX LED PANEL MOUNT INDICATORS (CONT.)

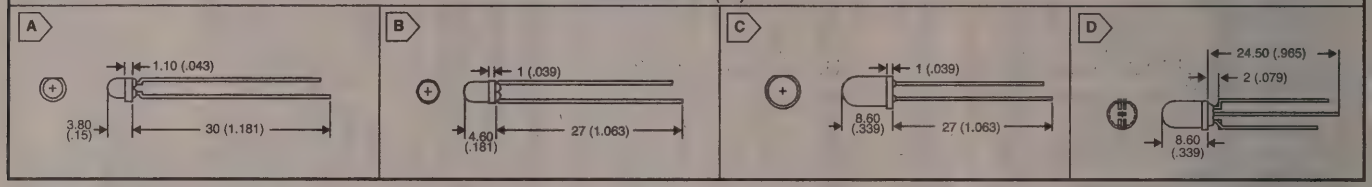
DIMENSIONS mm (IN.)



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Emitted Color	Peak Wave-length (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	View Angle	Price Each 1	100	500	1000
10mm 6" Terminals												
696-LXH1090SID-150	SSI-LXH1090SID-150	A	Red	636	2	25	100	60°	2.76	2.30	1.84	1.61
696-LXH1090SYD-150	SSI-LXH1090SYD-150	A	Yellow	590	2	25	100	60°	2.76	2.30	1.84	1.61
696-LXR4915SID-150	SSI-LXR4915SID-150	B	Red	636	2	25	100	60°	3.90	3.25	2.60	2.27
696-LXR4915SYD-150	SSI-LXR4915SYD-150	B	Yellow	590	2	25	100	60°	3.90	3.25	2.60	2.27
696-LXR4915USBD150	SSI-LXR4915USBD150	B	Blue	470	3.5	25	60	60°	6.21	5.17	4.14	3.62
12mm Square ESD Safe, 6" Leads												
696-LXMP5011GC-150	SSI-LXMP5011GC-150	C	Green	565	2.2	25	15	60°	1.80	1.50	1.20	1.05
696-LXMP5011IC-150	SSI-LXMP5011IC-150	C	Red	635	2	30	20	60°	1.80	1.50	1.20	1.05
696-LXMP5011SRC150	SSI-LXMP5011SRC150	C	Super Red	660	1.7	25	60	60°	2.07	1.72	1.38	1.20
696-LXMP5011YC-150	SSI-LXMP5011YC-150	C	Yellow	585	2.1	30	15	60°	1.80	1.50	1.20	1.05
Rectangular 6" Leads Terminals												
696-LXH072SID-150	SSI-LXH072SID-150	D	Red	636	2	25	80	80°	2.04	1.70	1.36	1.19
696-LXH072SYD-150	SSI-LXH072SYD-150	D	Yellow	590	1.8	25	80	80°	2.04	1.70	1.36	1.19

DIMENSIONS mm (IN.)



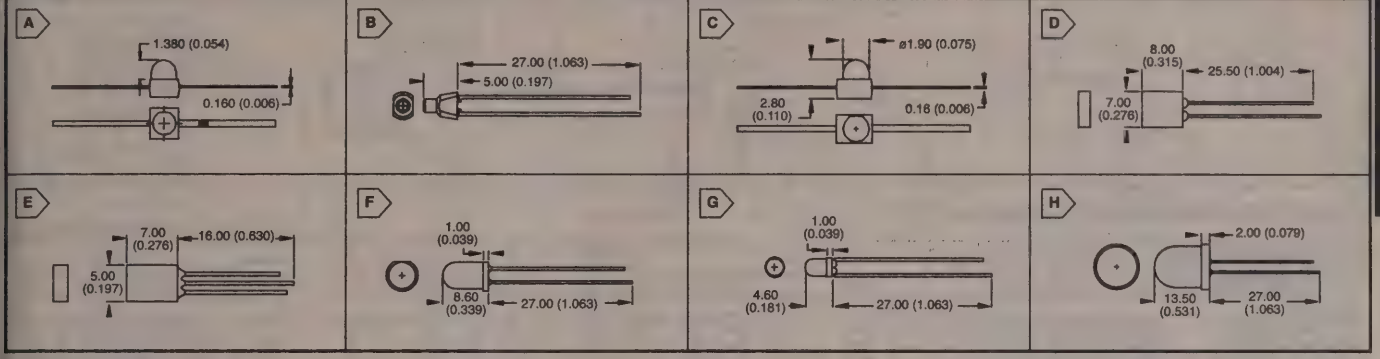
LUMEX LEDS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color LED	Color Lens	Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each 1	100	500	1000
T1 (3mm)													
696-SSL-LX3034ID	SSL-LX3034ID	A	Red	Red Diff.	635	2	25	10	60°	.21	.17	.14	.12
696-SSL-LX3034YD	SSL-LX3034YD	A	Yellow	Yellow Diff.	585	2.1	30	10	60°	.15	.12	.10	.08
696-LX3044ID-12V	SSL-LX3044ID-12V	B	Red	Red Diff.	635	12	20	5	80°	.27	.22	.18	.15
696-LX3044GD-12V	SSL-LX3044GD-12V	B	Green	Green Diff.	565	12	20	6	80°	.27	.22	.18	.15
696-SSLLX3044ID-5V	SSL-LX3044ID-5V	B	Red	Red Diff.	635	5	20	5	80°	.27	.22	.18	.15
696-SSLLX3044YD-5V	SSL-LX3044YD-5V	B	Yellow	Yellow Diff.	585	5	20	5	80°	.27	.22	.18	.15
696-SSLLX3044GD-5V	SSL-LX3044GD-5V	B	Green	Green Diff.	565	5	20	6	80°	.27	.22	.18	.15
696-SSL-LX3044HD	SSL-LX3044HD	B	Dark Red	Red Diff.	700	2	25	8	60°	.12	.10	.08	.07
696-SSLLX3044SRC/D	SSL-LX3044SRC/D	B	Super Red	Water Clear	660	1.8	30	600	30°	.21	.18	.14	.12
696-SSL-LX3044IC	SSL-LX3044IC	B	Red	Water Clear	635	2.1	30	125	30°	.15	.12	.10	.08
696-SSL-LX3044ID	SSL-LX3044ID	B	Red	Red Diff.	635	2	30	30	60°	.12	.10	.08	.07
696-SSL-LX3044IT	SSL-LX3044IT	B	Red	Red Trans.	635	2	30	30	20°	.15	.13	.10	.09
696-SSL-LX3044AD	SSL-LX3044AD	B	Amber	Amber Diff.	605	2.1	30	15	60°	.15	.12	.10	.08
696-SSL-LX3044YC	SSL-LX3044YC	B	Yellow	Water Clear	585	2.1	30	90	30°	.15	.12	.10	.08
696-SSL-LX3044YD	SSL-LX3044YD	B	Yellow	Yellow Diff.	585	2.1	30	30	60°	.15	.12	.10	.08
696-SSL-LX3044YT	SSL-LX3044YT	B	Yellow	Yellow Trans.	585	2.1	30	40	20°	.15	.12	.10	.08
696-SSL-LX3044GC	SSL-LX3044GC	B	Green	Water Clear	565	2.2	25	100	30°	.12	.10	.08	.07
696-SSL-LX3044GD	SSL-LX3044GD	B	Green	Green Diff.	565	2.2	25	40	60°	.12	.10	.08	.07
696-SSL-LX3044GT	SSL-LX3044GT	B	Green	Green Trans.	565	2.1	25	40	20°	.12	.10	.08	.07
696-SSL-LX3044PGD	SSL-LX3044PGD	B	Pure Green	Green Diff.	555	2.2	25	20	60°	.15	.12	.10	.08
696-SSL-LX3044LID	SSL-LX3044LID	B	Red	Red Diff.	635	2	30	30	60°	.15	.12	.10	.08
696-SSL-LX3044LYD	SSL-LX3044LYD	B	Yellow	Yellow Diff.	585	2.1	30	30	60°	.15	.12	.10	.08
696-SSL-LX3044LGD	SSL-LX3044LGD	B	Green	Green Diff.	565	2.2	25	30	60°	.12	.10	.08	.07
T1 3/4 (5mm)													
696-SSLLX5093GD12V	SSL-LX5093GD-12V	C	Green	Green Diff.	565	12	12	8	80°	.27	.23	.18	.16
696-SSLLX5093HD-5V	SSL-LX5093HD-5V	C	Red	Red Diff.	695	5	10	3	80°	.27	.23	.18	.16
696-SSLLX5093ID-5V	SSL-LX5093ID-5V	C	Red	Red Diff.	635	5	12	10	80°	.27	.23	.18	.16
696-SSLLX5093GD-5V	SSL-LX5093GD-5V	C	Green	Green Diff.	565	5	12	10	80°	.27	.23	.18	.16
696-SSL-LX5093HD	SSL-LX5093HD	C	Red	Red Diff.	700	2.1	25	6	60°	.12	.10	.08	.07
696-SSL-LX5093HT	SSL-LX5093HT	C	Red	Red Trans.	695	2	25	25	30°	.12	.10	.08	.07
696-LX5093SRD/D	SSL-LX5093SRD/D	C	Super Red	Red Diff.	660	1.7	30	250	60°	.21	.17	.14	.12
696-SSL-LX5093ID	SSL-LX5093ID	C	Red	Red Diff.	635	2	30	40	60°	.12	.10	.08	.07
696-SSL-LX5093IT	SSL-LX5093IT	C	Red	Red Trans.	635	2	30	80	30°	.15	.12	.10	.08
696-SSL-LX5093AD	SSL-LX5093AD	C	Amber	Amber Diff.	605	2	30	30	60°	.15	.12	.10	.08
696-SSL-LX5093YD	SSL-LX5093YD	C	Yellow	Yellow Diff.	585	2.1	30	30	60°	.15	.12	.10	.08
696-SSL-LX5093YT	SSL-LX5093YT	C	Yellow	Yellow Trans.	585	2.1	30	80	25°	.15	.12	.10	.08
696-SSL-LX5093GD	SSL-LX5093GD	C	Green	Green Diff.	565	2.2	25	30	60°	.12	.10	.08	.07
696-SSL-LX5093GT	SSL-LX5093GT	C	Green	Green Trans.	565	2.2	25	150	30°	.12	.10	.08	.07
696-SSL-LX5093PGD	SSL-LX5093PGD	C	Pure Green	Green Diff.	555	2.1	25	15	60°	.15	.12	.10	.08
696-SSL-LX5093LID	SSL-LX5093LID	C	Red	Red Diff.	635	2	30	20	80°	.15	.12	.10	.08
696-SSL-LX5093LYD	SSL-LX5093LYD	C	Yellow	Yellow Diff.	585	2.1	30	20	80°	.15	.12	.10	.08
696-SSL-LX5093LGD	SSL-LX5093LGD	C	Green	Green Diff.	565	2.2	25	30	60°	.12	.10	.08	.07
696-SSL-LX5093LGT	SSL-LX5093LGT	C	Green	Green Trans.	565	2.1	30	80	25°	.12	.10	.08	.07
696-SSL-LX5093XIC	SSL-LX5093XIC	C	Red	Water Clear	635	2	30	600	20°	.15	.12	.10	.08
696-SSL-LX5093XAC	SSL-LX5093XAC	C	Amber	Water Clear	610	2	30	600	20°	.15	.12	.10	.08
696-SSL-LX5093XGC	SSL-LX5093XGC	C	Green	Water Clear	565	2.2	25	250	20°	.15	.12	.10	.08
696-SSL-LX5093XPGC	SSL-LX5093XPGC	C	Green	Water Clear	555	2.2	25	45	20°	.30	.25	.20	.17
696-SSL-LX5097IGW	SSL-LX5097IGW	D	Red/Green	White Diff.	635/565	2.1	30/25	20	60°	.39	.33	.26	.23
696-LX5099SIUBSUGB	SSL-LX5099SIUBSUGB	D	Red/Green/Blue	Water Clear	636/574/470	1.9/2.1/3.65	30	600/450/150	30°	6.72	5.60	4.48	3.92

LUMEX LED Lamps

DIMENSIONS mm (IN.)



LUMEX LEDS

For quantities of 2000 and up, call for quote.

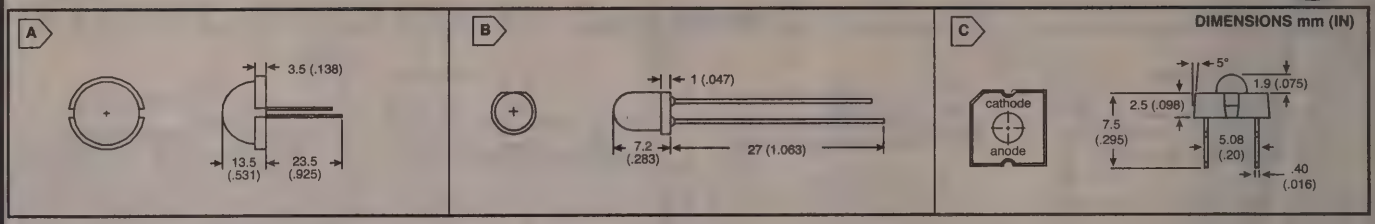
MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
2mm Axial													
696-LXA227ID-5V	SSL-LXA227ID-5V	A	Red	Red Diff.	635	5	30	8	60°	.45	.38	.30	.26
696-LXA227YD-5V	SSL-LXA227YD-5V	A	Yellow	Yellow Diff.	585	5	20	8	60°	.51	.43	.34	.30
696-SSLLXA227GD-5V	SSL-LXA227GD-5V	A	Green	Green Diff.	565	5	30	8	60°	.36	.30	.24	.21
2mm Tapered													
696-SSL-LX20465ID	SSL-LX20465ID	B	Red	Red Diff.	635	2	30	25	70°	.15	.12	.10	.08
696-SSL-LX20465YD	SSL-LX20465YD	B	Yellow	Yellow Diff.	585	2.1	30	10	70°	.15	.12	.10	.08
696-SSL-LX20465GD	SSL-LX20465GD	B	Green	Green Diff.	565	2.2	25	10	70°	.15	.12	.10	.08
2mm x 2.5mm													
696-SSL-LXA228SRC	SSL-LXA228SRC	C	Red	Water Clear	660	1.7	30	170	25°	.27	.23	.18	.16
696-SSL-LXA228SRD	SSL-LXA228SRD	C	Red	Red Diff.	660	1.7	30	100	50°	.24	.20	.16	.14
696-SSL-LXA228IC	SSL-LXA228IC	C	Red	Water Clear	635	2	30	30	25°	.27	.23	.18	.16
696-SSL-LXA228ID	SSL-LXA228ID	C	Red	Red Diff.	635	2	30	25	50°	.27	.23	.18	.16
696-SSL-LXA228YC	SSL-LXA228YC	C	Yellow	Water Clear	585	2	20	30	25°	.27	.23	.18	.16
696-SSL-LXA228SGC	SSL-LXA228SGC	C	Green	Water Clear	565	2.1	30	50	25°	.36	.30	.24	.21
696-SSL-LXA228GD	SSL-LXA228GD	C	Green	Green Diff.	565	2.1	25	12	25°	.24	.20	.16	.14
2mm x 5mm													
696-SSL-LX2573SRD	SSL-LX2573SRD	D	Sup. Red	Red Diff.	660	1.7	30	80	80°	.21	.17	.14	.12
696-SSL-LX2573ID	SSL-LX2573ID	D	Red	Red Diff.	635	2	30	10	110°	.12	.10	.08	.07
696-SSL-LX2573AD	SSL-LX2573AD	D	Amber	Amber Diff.	605	2.1	30	5	120°	.15	.12	.10	.08
696-SSL-LX2573YD	SSL-LX2573YD	D	Yellow	Yellow Diff.	585	2.1	30	10	80°	.15	.12	.10	.08
696-SSL-LX2573GD	SSL-LX2573GD	D	Green	Green Diff.	565	2.1	25	10	110°	.12	.10	.08	.07
696-SSL-LX2573PGD	SSL-LX2573PGD	D	Pure Green	Green Diff.	555	2.1	25	6	120°	.15	.12	.10	.08
696-SSL-LX2577IGW	SSL-LX2577IGW	E	Red/Green	White Diff.	635/565	2.1	30/25	6	110°	.30	.25	.20	.17
2.5mm x 7mm Rect.													
696-SSL-LX25783SRD	SSL-LX25783SRD	D	Sup. Red	Red Diff.	660	1.8	30	50	110°	.24	.20	.16	.14
696-SSL-LX25783ID	SSL-LX25783ID	D	Red	Red Diff.	635	2	30	9	80°	.15	.12	.10	.08
696-SSL-LX25783YD	SSL-LX25783YD	D	Yellow	Yellow Diff.	585	2.1	30	4	110°	.15	.12	.10	.08
696-SSL-LX25783GD	SSL-LX25783GD	D	Green	Green Diff.	565	2.2	25	35	110°	.15	.12	.10	.08
4mm x 7mm Rect.													
696-LX4673ID-LA20	SSL-LX4673ID-LA20	- -	Red	Red Diff.	635	2	20	12	120°	.30	.25	.20	.17
696-LX4673YD-LA20	SSL-LX4673YD-LA20	- -	Yellow	Yellow Diff.	585	2.1	30	6	120°	.30	.25	.20	.17
696-LX4673GD-LA20	SSL-LX4673GD-LA20	- -	Green	Green Diff.	565	2.1	25	6	120°	.30	.25	.20	.17

LUMEX HIGH BRIGHTNESS LEDS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
T1 (3mm)													
696-SSL-LX3044SOC	SSL-LX3044SOC	F	Super Orange	Water Clear	620	2	30	1000	30°	.48	.40	.32	.28
696-SSL-LX3044SYC	SSL-LX3044SYC	F	Super Yellow	Water Clear	590	2.1	30	1000	30°	.48	.40	.32	.28
696-SSL-LX3044UEGC	SSL-LX3044UEGC	F	Green	Water Clear	502	3.5	25	1100	30°	2.73	2.28	1.82	1.59
696-SSLLX3054UWC/A	SSL-LX3054UWC/A	F	White	Water Clear	-	3.6	30	1100	20°	3.24	2.70	2.16	1.89
696-SSL-LX3044USBC	SSL-LX3044USBC	F	Blue	Water Clear	470	3.5	30	1000	30°	2.25	1.87	1.50	1.31
696-SSL-LX3044USBD	SSL-LX3044USBD	F	Blue	Blue Diff.	470	3.5	30	80	60°	2.25	1.87	1.50	1.31
T1 3/4 (5mm)													
696-LX5093SRC/E	SSL-LX5093SRC/E	G	Super Red	Water Clear	660	1.7	30	2800	30°	.45	.37	.30	.26
696-LX5093SRC/DW	SSL-LX5093SRC/DW	G	Super Red	Water Clear	660	1.7	30	1800	30°	.45	.37	.30	.26
696-LX5093SRC/DV	SSL-LX5093SRC/DV	G	Super Red	Water Clear	660	1.7	30	1500	30°	.21	.17	.14	.12
696-SSL-LX5093SOC	SSL-LX5093SOC	G	Super Orange	Water Clear	610	2	30	2500	30°	.48	.40	.32	.28
696-SSL-LX5093SYC	SSL-LX5093SYC	G	Super Yellow	Water Clear	590	2.1	30	1000	30°	.48	.40	.32	.28
696-SSL-LX5093UEGC	SSL-LX5093UEGC	G	Green	Water Clear	502	3.5	25	1500	30°	2.73	2.28	1.82	1.59
696-SSLLX5093XRC/4	SSL-LX5093XRC/4	G	Red	Water Clear	660	1.7	30	2500	20°	.51	.42	.34	.29
696-SSL-LX5093XYC	SSL-LX5093XYC	G	Yellow	Water Clear	590	2.1	30	1300	20°	.57	.47	.38	.33
696-LX5093UWC/A	SSL-LX5093UWC/A	G	White	Water Clear	-	3.6	30	740	45°	3.24	2.70	2.16	1.89
696-SSL-LX5093XUWC	SSL-LX5093XUWC	G	White	Water Clear	-	3.6	30	2300	15°	3.24	2.70	2.16	1.89
696-SSL-LX5093USBC	SSL-LX5093USBC	G	Blue	Water Clear	470	3.5	30	1000	30°	2.25	1.87	1.50	1.31
696-SSL-LX5093USBD	SSL-LX5093USBD	G	Blue	Blue Diff.	470	3.5	30	300	60°	2.25	1.87	1.50	1.31
696-SSL-LX5093BGD	SSL-LX5093BGD	G	Green	Green Diff.	565	3	20	8	60°	.66	.55	.44	.38
696-SSL-LX5093BHD	SSL-LX5093BHD	G	Red	Red Diff.	700	9	25	8	60°	.66	.55	.44	.38
696-SSL-LX5093BID	SSL-LX5093BID	G	Red	Red Diff.	635	9	25	8	60°	.66	.55	.44	.38
696-SSL-LX5093BSRD	SSL-LX5093BSRD	G	Red	Red Diff.	660	9	25	40	60°	.75	.62	.50	.43
696-SSL-LX5093BYD	SSL-LX5093BYD	G	Yellow	Yellow Diff.	585	9	25	8	60°	.66	.55	.44	.38
10mm Dome													
696-LX100133USBC	SSL-LX100133USBC	H	Blue	Water Clear	470	3.5	30	800	15°	3.66	3.05	2.44	2.13
696-LX100133USBD	SSL-LX100133USBD	H	Blue	Blue Diff.	470	3.5	30	300	60°	3.66	3.05	2.44	2.13

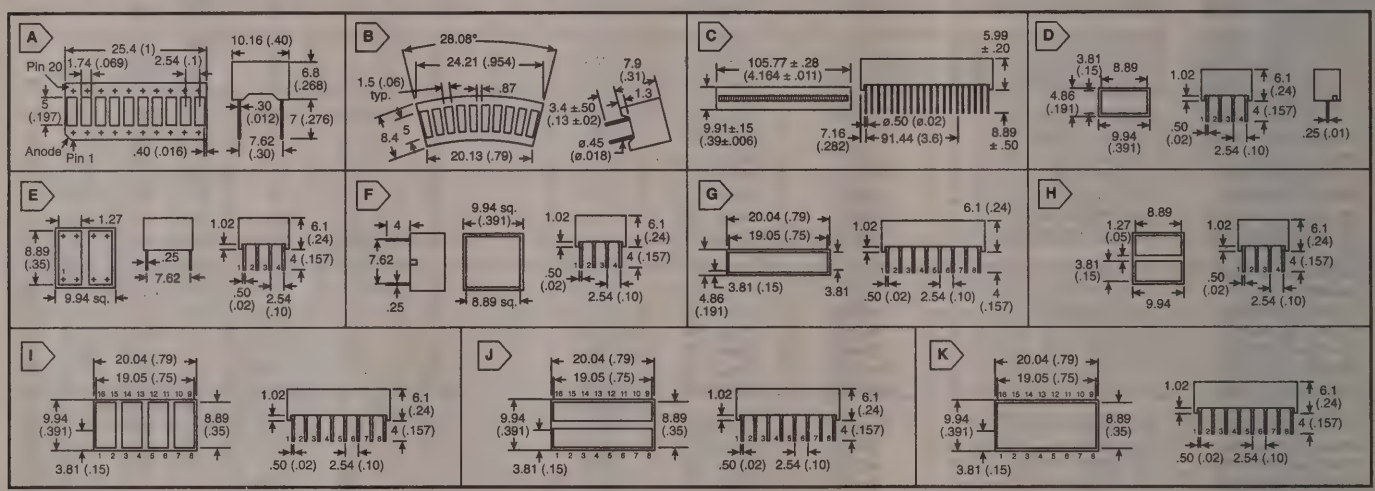
LUMEX LEDs and Light Bars



LUMEX HIGH BRIGHTNESS LEDS (cont.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
20mm													
696-SSL-LX20R6GD	SSL-LX20R6GD	A	Green	Green Diff.	565	6	25	25	120°	1.74	1.45	1.16	1.01
696-SSL-LX20R6ID	SSL-LX20R6ID	A	Red	Red Diff.	635	5.7	25	35	120°	1.74	1.45	1.16	1.01
696-SSL-LX20R6SRD	SSL-LX20R6SRD	A	Red	Green Diff.	574	6.6	25	120	120°	2.22	1.85	1.48	1.29
696-SSL-LX20R6YD	SSL-LX20R6YD	A	Yellow	Yellow Diff.	590	6	25	150	120°	1.74	1.45	1.16	1.01
4.7mm													
696-SSL-LX4073USBC	SSL-LX4073USBC	B	Blue	Water Clear	470	3.5	30	750	30°	2.73	2.28	1.82	1.59
7.6mm Squared													
696-SSL-LX30448SYC	SSL-LX30448SYC	C	Super Yellow	Water Clear	590	2.25	70	800	50°	.51	.42	.34	.29

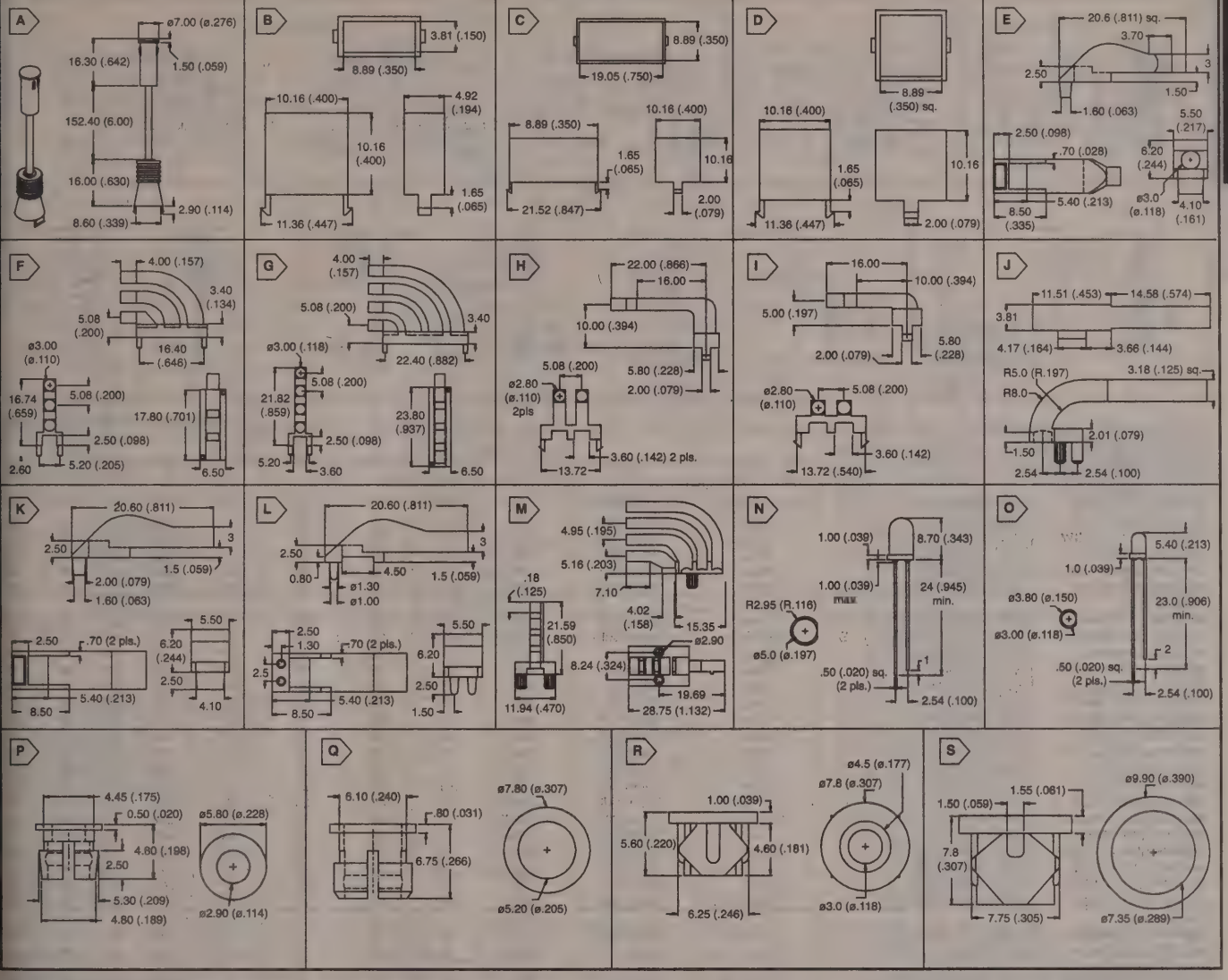


LUMEX LED PRODUCTS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Emitting Color	Vf (V) Typ.	If (mA) Max.	IO mcd	Price Each			
							1	100	500	1000
Light Bars										
696-SSA-LXB10GW	SSA-LXB10GW-GF/LP	A	Green	2.1	25	10	2.85	2.37	1.90	1.66
696-SSA-LXB10HW	SSA-LXB10HW-GF/LP	A	Red	2.1	30	4	2.13	1.77	1.42	1.24
696-SSA-LXB10IW	SSA-LXB10IW-GF/LP	A	Red	2.1	30	10	2.85	2.37	1.90	1.66
696-LXB10GW-10652	SSA-LXB10GW-10652	B	Green	2.1	30	10	3.90	3.25	2.60	2.28
696-LXB10SRW-10652	SSA-LXB10SRW-10652	B	Red	1.7	30	40	6.72	5.60	4.48	3.92
696-SSA-LXB8825	SSA-LXB8825	C	Red	2.3	100(Ip)	60	58.00	53.00	49.00	44.00
696-SSA-LXB8835	SSA-LXB8835	C	Green	2.3	100(Ip)	70	58.00	53.00	49.00	44.00
696-SSB-LX2300IW	SSB-LX2300IW	D	Red	2.1	30	25	.87	.72	.58	.50
696-SSB-LX2350IW	SSB-LX2350IW	G	Red	2.1	30	50	1.35	1.12	.90	.78
696-SSB-LX2400YW	SSB-LX2400YW	D	Yellow	2.1	30	18	.87	.72	.58	.50
696-SSB-LX2450YW	SSB-LX2450YW	G	Yellow	2.1	30	38	1.35	1.12	.90	.78
696-SSB-LX2500SGW	SSB-LX2500SGW	D	Green	2.1	25	25	.87	.72	.58	.50
696-SSB-LX2600IW	SSB-LX2600IW	E	Red	2.1	30	25	1.41	1.17	.94	.82
696-SSB-LX2620IW	SSB-LX2620IW	I	Red	2.1	30	25	2.37	1.97	1.58	1.38
696-SSB-LX2635IW	SSB-LX2635IW	J	Red	2	30	50	2.37	1.98	1.58	1.38
696-SSB-LX2655IW	SSB-LX2655IW	F	Red	2.1	30	45	1.41	1.17	.94	.82
696-SSB-LX2685IW	SSB-LX2685IW	K	Red	2.1	30	80	2.37	1.97	1.58	1.38
696-SSB-LX2700YW	SSB-LX2700YW	E	Yellow	2.1	30	18	1.41	1.17	.94	.82
696-SSB-LX2720YW	SSB-LX2720YW	I	Yellow	2.1	30	18	2.37	1.97	1.58	1.38
696-SSB-LX2735YW	SSB-LX2735YW	J	Yellow	2.1	30	40	2.37	1.98	1.58	1.38
696-SSB-LX2755YW	SSB-LX2755YW	F	Yellow	2.1	30	35	1.41	1.17	.94	.82
696-SSB-LX2785YW	SSB-LX2785YW	K	Yellow	2.1	30	70	2.37	1.97	1.58	1.38
696-SSB-LX2950IYW	SSB-LX2950IYW	F	Red/Yel	2.1	30	25	2.49	2.08	1.66	1.45
696-SSB-LX2965IGW	SSB-LX2965IGW	F	Red/Grn	2.1	30/25	25	2.49	2.08	1.66	1.45
696-SSB-LXA100SRW	SSB-LXA100SRW	D	Red	1.7	30	40	.96	.80	.64	.56
696-SSB-LXB100SRW	SSB-LXB100SRW	G	Red	1.7	30	80	1.53	1.27	1.02	.89
696-SSB-LXC100SRW	SSB-LXC100SRW	F	Red	1.7	30	80	1.59	1.32	1.06	.92
696-SSB-LXD100SRW	SSB-LXD100SRW	H	Red	1.7	30	40	1.59	1.32	1.06	.92
696-SSB-LXE100SRW	SSB-LXE100SRW	I	Red	1.7	30	40	2.64	2.20	1.76	1.54
696-SSB-LXF100SRW	SSB-LXF100SRW	J	Red	1.7	30	80	2.64	2.20	1.76	1.54
696-SSB-LXH100SRW	SSB-LXH100SRW	K	Red	1.7	30	150	2.64	2.20	1.76	1.54

DIMENSIONS mm (IN.)

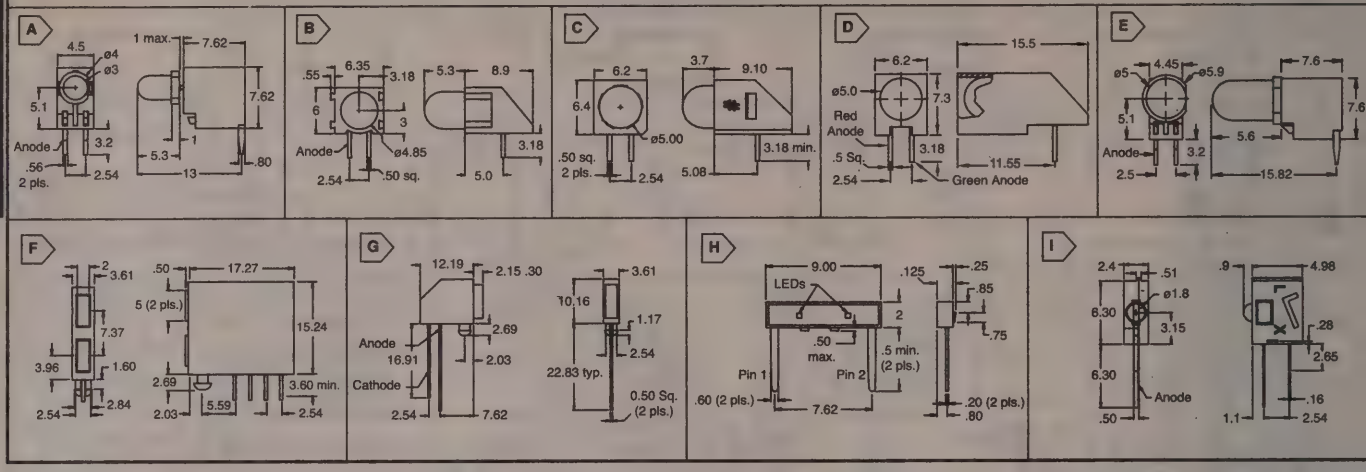


For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Description	Price Each 1	100	500	1000
Light Pipes							
696-C011701S-150B	LPI-C011701S-150B	A	Blue Flexible Light Transporters	2.48	2.23	1.86	1.67
696-C011701S-150C	LPI-C011701S-150C	A	Clear Flexible Light Transporters	2.48	2.23	1.86	1.67
696-C011701S-150G	LPI-C011701S-150G	A	Green Flexible Light Transporters	2.48	2.23	1.86	1.67
696-C011701S-150R	LPI-C011701S-150R	A	Red Flexible Light Transporters	2.48	2.23	1.86	1.67
696-C011701S-150Y	LPI-C011701S-150Y	A	Yellow Flexible Light Transporters	2.48	2.23	1.86	1.67
696-LPB-R0111051S	LPB-R0111051S	B	10mm x 5mm	1.80	1.50	1.20	.90
696-LPB-R01120101S	LPB-R01120101S	C	20mm x 10mm	2.43	2.02	1.62	1.21
696-LPB-S01110101S	LPB-S01110101S	D	10mm x 10mm	2.07	1.72	1.38	1.03
696-LPF-C011301S	LPF-C011301S	E	3mm Right Angle	.72	.60	.48	.36
696-LPF-C011302S	LPF-C011302S	E	3mm Right Angle	.72	.60	.48	.36
696-LPF-C013301S	LPF-C013301S	F	Tri 3mm Right Angle	1.35	1.12	.90	.67
696-LPF-C014301S	LPF-C014301S	G	Quad 3mm Right Angle	1.44	1.20	.96	.72
696-LPF-C021303S	LPF-C021303S	H	2.8mm 2 Unit Stackable (upper)	1.71	1.42	1.14	.85
696-LPF-C021304S	LPF-C021304S	I	2.8mm 2 Unit Stackable (Lower)	1.71	1.42	1.14	.85
696-LPF-R011331S	LPF-R011331S	J	3mm Right Angle	.39	.32	.26	.19
696-LPF-R011361S	LPF-R011361S	K	3mm Right Angle	.72	.60	.48	.36
696-LPF-R011362S	LPF-R011362S	L	3mm Right Angle	.72	.60	.48	.36
696-LPF-S014331S	LPF-S014331S	M	Quad 3mm Rt Angle	.27	.22	.18	.13
Infrared Emitting Diode							
696-OED-EL-1L2	OED-EL-1L2	N	5mm IRED	.27	.22	.18	.13
696-OED-EL-8L	OED-EL-8L	O	3mm IRED	.27	.22	.18	.13
LED Mounting Hardware							
696-SSH-LX3050	SSH-LX3050	P	3mm LED Panel Holder	.10	.08	.07	.05
696-SSH-LX5090	SSH-LX5090	Q	5mm LED Panel Bezel	.10	.08	.07	.05
696-SSH-LX5091	SSH-LX5091	Q	5mm LED Panel Holder	.10	.08	.07	.05
696-SSH-LXH301	SSH-LXH301	R	3mm LED Panel Bezel	.10	.08	.07	.05
696-SSH-LXH501	SSH-LXH501	S	5mm LED Panel Bezel	.10	.08	.07	.05

LUMEX LED Circuit Board Indicators

DIMENSIONS: mm

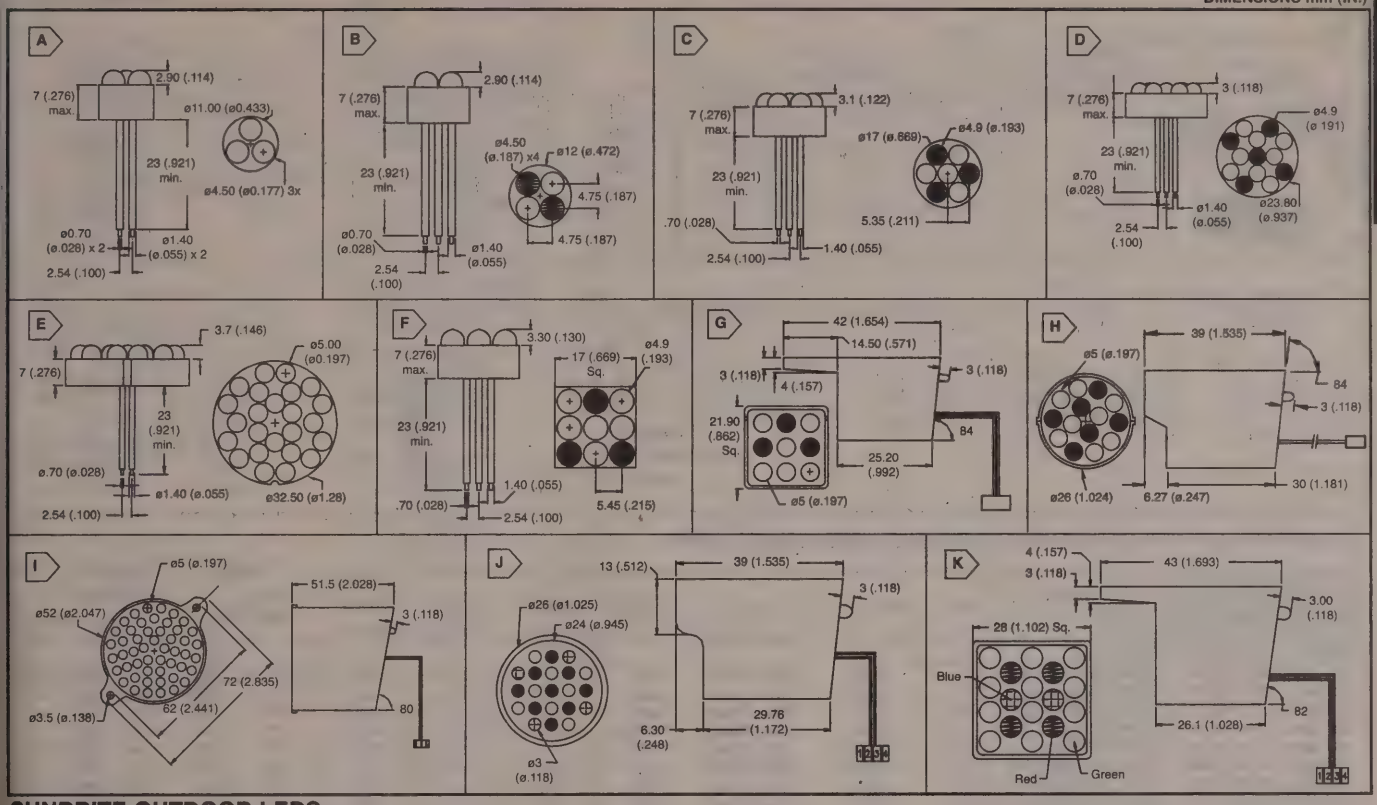


For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
3mm Relampable													
696-SSF-LXH4RABID	SSF-LXH4RABID	A	Red (blinking)	Red Diff.	635	3.5	20	6	60°	2.58	2.15	1.72	1.50
696-SSF-LXH4RAGD	SSF-LXH4RAGD	A	Green	Green Diff.	565	2.1	25	30	60°	.96	.80	.64	.56
696-SSF-LXH4RAHGW	SSF-LXH4RAHGW	A	Red/Green	White Diff.	700/565	2.1	25	3/4	60°	1.38	1.15	.92	.80
696-SSF-LXH4RAID	SSF-LXH4RAID	A	Red	Red Diff.	635	2.1	30	40	60°	.96	.80	.64	.56
696-SSF-LXH4RASRD	SSF-LXH4RASRD	A	Red	Red Diff.	660	1.7	30	80	60°	1.38	1.15	.92	.80
696-SSF-LXH4RAYD	SSF-LXH4RAYD	A	Yellow	Yellow Diff.	585	2.1	30	30	60°	1.38	1.15	.92	.80
PC LED 5mm													
696-SSF-LXH100MGD	SSF-LXH100MGD	B	Green	Green Diff.	565	2.2	25	30	60°	.30	.25	.20	.17
696-SSF-LXH100MHGW	SSF-LXH100MHGW	B	Red/Green	White Diff.	700/565	2.0/2.2	30	6/20	60°	.54	.45	.36	.31
696-SSF-LXH100MID	SSF-LXH100MID	B	Red	Red Diff.	635	2	30	30	60°	.30	.25	.20	.17
696-SSF-LXH100MLGD	SSF-LXH100MLGD	B	Green	Green Diff.	565	2.2	25	30	60°	.30	.25	.20	.17
696-SSF-LXH100MLID	SSF-LXH100MLID	B	Red	Red Diff.	635	2	30	30	60°	.30	.25	.20	.17
696-SSF-LXH100MSRD	SSF-LXH100MSRD	B	Red	Red Diff.	660	1.8	30	100	60°	.48	.40	.32	.28
696-SSF-LXH100MYD	SSF-LXH100MYD	B	Yellow	Yellow Diff.	585	2.1	30	30	60°	.30	.25	.20	.17
696-SSF-LXH104GD	SSF-LXH104GD	C	Green	Green Diff.	565	2.2	25	30	60°	.33	.27	.22	.19
696-SSFLXH104HD-5V	SSF-LXH104HD-5V	C	Red	Red Diff.	695	5	12	3	60°	.60	.50	.40	.35
696-SSF-LXH104ID	SSF-LXH104ID	C	Red	Red Diff.	635	2	30	20	60°	.33	.27	.22	.19
696-SSF-LXH104YD	SSF-LXH104YD	C	Yellow	Yellow Diff.	585	2.1	30	20	60°	.33	.27	.22	.19
696-SSF-LXH1071GD	SSF-LXH1071GD	D	Green	Green Diff.	565	2.1	30	20	80°	.42	.35	.28	.24
696-SSF-LXH1071HGW	SSF-LXH1071HGW	D	Red/Green	White Diff.	700/565	2.1	30	5/8	80°	.66	.55	.44	.39
696-SSF-LXH1071ID	SSF-LXH1071ID	D	Red	Red Diff.	635	2.1	30	40	60°	.42	.35	.28	.24
696-SSF-LXH1071LGD	SSF-LXH1071LGD	D	Green	Green Diff.	565	1.9	30	20	80°	.42	.35	.28	.24
696-SSF-LXH1071LID	SSF-LXH1071LID	D	Red	Red Diff.	635	1.9	30	20	80°	.42	.35	.28	.24
696-SSF-LXH1071SRD	SSF-LXH1071SRD	D	Red	Red Diff.	660	1.7	30	40	80°	.72	.60	.48	.42
696-SSF-LXH1071YD	SSF-LXH1071YD	D	Yellow	Yellow Diff.	585	2.1	30	20	80°	.42	.35	.28	.24
5mm Mating 5V													
696-SSFLXH100MGD5V	SSF-LXH100MGD-5V	B	Green	Green Diff.	565	5	30	20	60°	.60	.50	.40	.35
696-SSFLXH100MID5V	SSF-LXH100MID-5V	B	Red	Red Diff.	635	5	12	20	30°	.60	.50	.40	.35
5mm Relampable													
696-SSF-LXH4RA5BID	SSF-LXH4RA5BID	E	Red (blinking)	Red Diff.	635	3.5	70	20	60°	2.49	2.07	1.66	1.45
696-SSF-LXH4RA5GD	SSF-LXH4RA5GD	E	Green	Green Diff.	565	2.1	25	30	60°	.96	.80	.64	.56
696-SSF-LXH4RA5HGW	SSF-LXH4RA5HGW	E	Red/Green	White Diff.	695/565	2.1	25	4	60°	1.38	1.15	.92	.80
696-SSF-LXH4RA5ID	SSF-LXH4RA5ID	E	Red	Red Diff.	635	2.1	30	40	60°	.96	.80	.64	.56
696-SSF-LXH4RA5LGD	SSF-LXH4RA5LGD	E	Green	Green Diff.	565	2.1	25	30	60°	.96	.80	.64	.56
696-SSF-LXH4RA5LID	SSF-LXH4RA5LID	E	Red	Red Diff.	635	2.1	30	40	60°	.96	.80	.64	.56
696-SSF-LXH4RA5SRD	SSF-LXH4RA5SRD	E	Red	Red Diff.	660	1.7	30	80	60°	1.38	1.15	.92	.80
696-SSF-LXH4RA5YD	SSF-LXH4RA5YD	E	Yellow	Yellow Diff.	585	2.1	30	30	60°	.96	.80	.64	.56
5mm Relampable, 5V													
696-SSFLXH4RA5GD5V	SSF-LXH4RA5GD-5V	E	Green	Green Diff.	565	5	12	15	60°	1.56	1.30	1.04	.91
696-SSFLXH4RA5ID5V	SSF-LXH4RA5ID-5V	E	Red	Red Diff.	635	5	12	30	60°	1.38	1.15	.92	.81
2mm x 5mm													
696-LXH22573GGD	SSF-LXH22573GGD	F	Green	Green Diff.	565	2.2	25	10	110°	.72	.60	.48	.42
696-LXH22573IID	SSF-LXH22573IID	F	Red	Red Diff.	635	2	30	10	110°	.72	.60	.48	.42
696-LXH22573LGGD	SSF-LXH22573LGGD	F	Green	Green Diff.	565	2.2	25	10	80°	.78	.65	.52	.45
696-LXH22573LIID	SSF-LXH22573LIID	F	Red	Red Diff.	635	2	30	10	80°	.78	.65	.52	.45
696-LXH22573SRSRD	SSF-LXH22573SRSRD	F	Red	Red Diff.	660	1.7	30	80	110°	1.23	1.02	.82	.71
696-LXH22573YYD	SSF-LXH22573YYD	F	Yellow	Yellow Diff.	585	2.1	30	10	110°	.72	.60	.48	.42
2.5mm x 7mm													
696-LXH25780GD	SSF-LXH25780GD	G	Green	Green Diff.	565	2.2	25	9	110°	.48	.40	.32	.28
696-SSFLXH25780HGW	SSF-LXH25780HGW	G	Red/Green	White Diff.	695/565	2.0/2.2	25	2/9	110°	.93	.77	.62	.54
696-SSF-LXH25780ID	SSF-LXH25780ID	G	Red	Red Diff.	635	2	30	15	110°	.48	.40	.32	.28
696-SSFLXH25780SRD	SSF-LXH25780SRD	G	Red	Red Diff.	660	1.7	30	50	110°	.63	.52	.42	.36
696-SSF-LXH25780YD	SSF-LXH25780YD	G	Yellow	Yellow Diff.	585	2.1	30	9	110°	.48	.40	.32	.28
9mm x 2mm													
696-SSB-LX02GC	SSB-LX02GC	H	Green	Green Trans.	565	4.4	25	10	160°	.72	.60	.48	.42
696-SSB-LX02IC	SSB-LX02IC	H	Red	Red Trans.	635	4.5	30	16	160°	.78	.65	.52	.45
696-SSB-LX02SRC	SSB-LX02SRC	H	Red	Red Trans.	660	3.6	30	50	160°	.75	.62	.50	.43
696-SSB-LX02YC	SSB-LX02YC	H	Yellow	Yellow Trans.	590	4.2	30	170	160°	.78	.65	.52	.45
Single Right Angle													
696-SSF-LXH555ID	SSF-LXH555ID	I	Red	Red Diff.	635	2	30	8	60°	.72	.60	.48	.42
696-SSF-LXH555YD	SSF-LXH555YD	I	Yellow	Yellow Diff.	585	2.1	30	8	60°	.72	.60	.48	.42
696-SSF-LXH555GD	SSF-LXH555GD	I	Green	Green Diff.	565	2.1	25	8	60°	.72	.60	.48	.42

SUNBRITE Outdoor LEDs

DIMENSIONS mm (IN.)



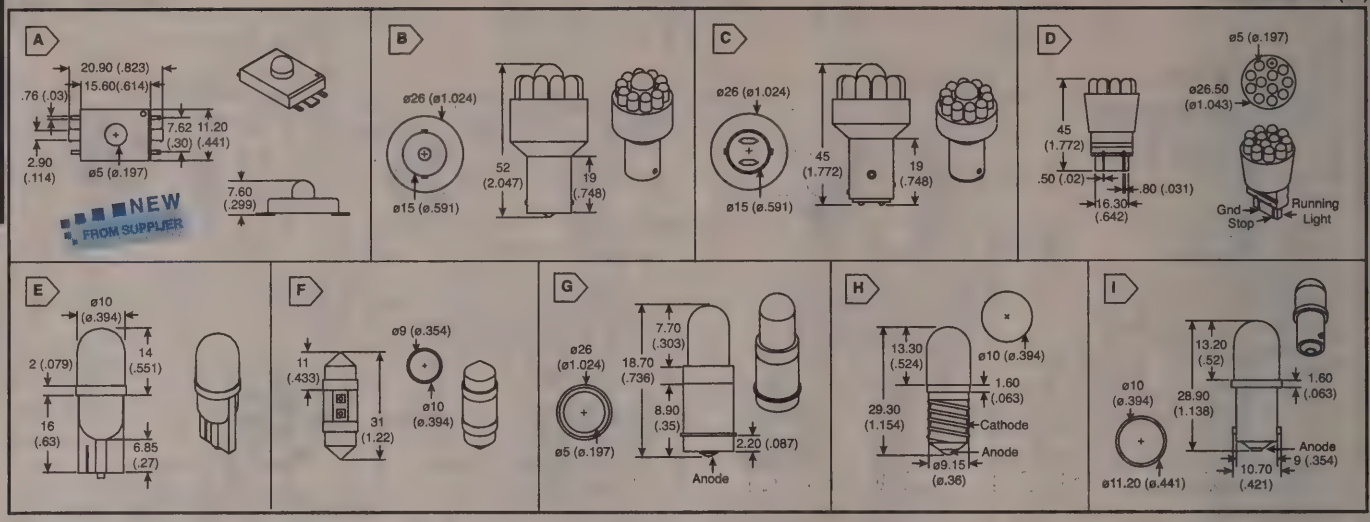
SUNBRITE OUTDOOR LEDS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sunbrite Part No.	Fig.	Emitted Color	Lens	Intensity (mcd)	Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	Viewing Angle	Price Each 1	10	100	500
11mm Round 3 (5mm) LEDs													
697-LXC04362S3A	SSP-LXC04362S3A	A	Sup. Red/Sup. Grn	Water Clear	2000/300	660/565	1.8/2.2	30/25	30°	1.50	1.25	1.00	.85
697-LXC04363	SSP-LXC04363	A	Super Red	Water Clear	2000	660	5.4	30	30°	1.56	1.30	1.04	.88
697-LXC0436U3	SSP-LXC0436U3	A	Ultra Red	Water Clear	2000	626	5.4	30	30°	2.55	2.13	1.70	1.45
697-LXC0433S3	SSP-LXC0433S3	A	Super Yellow	Water Clear	1200	590	6.3	30	30°	2.55	2.13	1.70	1.45
697-LXC0432S3	SSP-LXC0432S3	A	Super Green	Water Clear	300	565	6.6	25	30°	1.50	1.25	1.00	.85
12mm Round 4 (5mm) LEDs													
697-LXC04762S4A	SSP-LXC04762S4A	B	Sup. Red/Sup.Grn	Water Clear	2000/300	660/565	3.6/4.4	30/25	30°	1.83	1.53	1.22	1.04
697-LXC04764	SSP-LXC04764	B	Super Red	Water Clear	2000	660	3.6	30	30°	1.89	1.58	1.26	1.07
697-LXC0476U4	SSP-LXC0476U4	B	Ultra Red	Water Clear	2000	626	3.6	30	30°	3.24	2.70	2.16	1.87
697-LXC0473S4	SSP-LXC0473S4	B	Super Yellow	Water Clear	1200	590	4.2	30	30°	3.24	2.70	2.16	1.84
697-LXC0472S4	SSP-LXC0472S4	B	Super Green	Water Clear	300	565	4.4	25	30°	1.80	1.50	1.20	1.02
17mm Round 7 (5mm) LEDs													
697-LXC06762S7A	SSP-LXC06762S7A	C	Sup. Red/Sup. Grn	Water Clear	2000/300	660/565	5.4/4.4	30/25	30°	2.55	2.13	1.70	1.45
697-LXC06767A	SSP-LXC06767A	C	Super Red	Water Clear	2000	660	5.4/3.6	30	30°	2.61	2.18	1.74	1.49
697-LXC0676U7A	SSP-LXC0676U7A	C	Ultra Red	Water Clear	2000	626	5.4/3.6	30	30°	5.04	4.20	3.36	2.86
697-LXC0673S7A	SSP-LXC0673S7A	C	Super Yellow	Water Clear	1200	590	6.3/4.2	30	30°	5.04	4.20	3.36	2.86
697-LXC0672S7A	SSP-LXC0672S7A	C	Super Green	Water Clear	300	565	6.6/4.4	25	30°	2.52	2.10	1.68	1.43
23.8mm Round 13 (5mm) LEDs													
697-LXC09462S13A	SSP-LXC09462S13A	D	Sup. Red/Sup. Grn	Water Clear	2000/300	660/565	9.0/8.8	30/25	30°	4.50	3.75	3.00	2.55
697-LXC094613A	SSP-LXC094613A	D	Super Red	Water Clear	2000	660	9.0/7.2	30	30°	4.65	3.88	3.10	2.64
697-LXC0946U13A	SSP-LXC0946U13A	D	Ultra Red	Water Clear	2000	626	9.0/7.2	30	30°	7.63	6.10	5.34	4.58
697-LXC0943S13A	SSP-LXC0943S13A	D	Super Yellow	Water Clear	1200	590	10.5/8.4	30	30°	7.63	6.10	5.34	4.58
697-LXC0942S13A	SSP-LXC0942S13A	D	Super Green	Water Clear	300	565	11/8.8	25	30°	4.41	3.68	2.94	2.50
32.5mm Round 24 (5mm) LEDs													
697-LXC128624	SSP-LXC128624	E	Super Red	Water Clear	2000	660	10.8	30	30°	8.28	6.90	5.52	4.69
697-LXC1286U24	SSP-LXC1286U24	E	Ultra Red	Water Clear	2000	626	10.8	30	30°	13.83	11.06	9.68	8.30
697-LXC1283S24	SSP-LXC1283S24	E	Super Yellow	Water Clear	1200	590	12.6	30	30°	13.83	11.06	9.68	8.30
697-LXC1282S24	SSP-LXC1282S24	E	Super Green	Water Clear	300	565	13.2	25	30°	7.83	6.53	5.22	4.44
17mm Square 9 (5mm) LEDs													
697-LXS06762S9A	SSP-LXS06762S9A	F	Sup. Red/Sup. Grn	Water Clear	2000/300	660/565	5.4/6.6	30/25	45°	2.55	2.13	1.70	1.45
697-LXS06769	SSP-LXS06769	F	Super Red	Water Clear	2000	660	5.4	30	45°	3.24	2.70	2.16	1.84
697-LXS0676U9	SSP-LXS0676U9	F	Ultra Red	Water Clear	2000	626	5.4	30	45°	6.39	5.33	4.26	3.62
697-LXS0673S9	SSP-LXS0673S9	F	Super Yellow	Water Clear	1200	590	6.3	30	45°	6.39	5.33	4.26	3.62
697-LXS0672S9	SSP-LXS0672S9	F	Super Green	Water Clear	300	565	6.6	25	45°	3.09	2.58	2.06	1.75
22mm Square 9 LEDs Bi-Color													
697-LXS08762S9BA	SSP-LXS08762S9BA	G	Red/Green	Water Clear	1200/800	660/565	5.5/6.6	20/40	40°	9.25	7.74	6.17	5.24
26mm Round 14 LEDs Bi-Color													
697-LXC10262S14BA	SSP-LXC10262S14BA	H	Red/Green	Water Clear	3000/1600	660/565	12.3/16.8	20/40	40°	10.40	8.70	6.93	5.89
52mm Round 50 LEDs													
697-LXC206650B	SSP-LXC206650B	I	Super Red	Water Clear	20000	660	9.6	150	40°	23.01	19.25	15.34	13.04
26mm Round 21 LEDs RGB													
697-LXC102821BA	SSP-LXC102821BA	J	Red/Green/Blue	Water Clear	1800/1200/300	660/565/430	7.8/8.4/11.5	20/40/60	40°	36.30	30.37	24.20	20.57
28mm Square 18 LEDs RGB													
697-LXS110818BA	SSP-LXS110818BA	K	Red/Green/Blue	Water Clear	1600/1200/75	660/565/430	7.4/13.2/9	30/25/30	30°	17.79	14.88	11.86	10.08

SUNBRITE LED Replacements

DIMENSIONS mm (IN.)

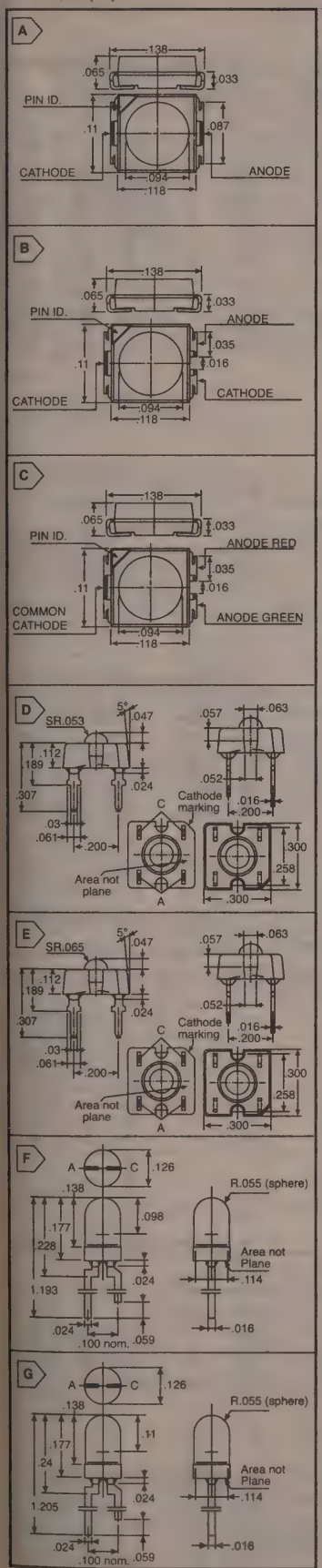


SUNBRITE LED REPLACEMENTS FOR INCANDESCENT LAMPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sunbrite Part No.	Fig.	Emitted Color	Lens	Intensity (mcd)	Peak Wavelength (nm)	Vf (V) Typ.	Peak Forward Current Max. (mA)	Viewing Angle	Price Each 1	10	100	500
Sunbrite LuxLEDs High Power LED's													
697-SSPLX6144A2UPC	SSP-LX6144A2UPC	A	Green	Water Clear	18000	525	3.4	250	10°	7.36	6.44	5.52	4.99
697-SSP-LX6144A3SC	SSP-LX6144A3SC	A	Yellow	Water Clear	24000	590	2.4	250	10°	5.26	4.60	3.95	3.55
697-SSP-LX6144A6UC	SSP-LX6144A6UC	A	Red	Water Clear	24000	626	2.4	250	10°	5.26	4.60	3.95	3.55
697-SSP-LX6144A7UC	SSP-LX6144A7UC	A	Blue	Water Clear	12000	470	3.4	250	10°	7.00	6.13	5.25	4.73
697-SSP-LX6144A9UC	SSP-LX6144A9UC	A	Ultra White	Water Clear	12000	—	3.4	250	10°	7.36	6.44	5.52	4.99
697-SSPLX6144C2UPC	SSP-LX6144C2UPC	A	Green	Water Clear	5600	525	3.4	250	30°	7.36	6.44	5.52	4.99
697-SSP-LX6144C3SC	SSP-LX6144C3SC	A	Yellow	Water Clear	12000	590	2.4	250	30°	5.26	4.60	3.95	3.55
697-SSP-LX6144C6UC	SSP-LX6144C6UC	A	Red	Water Clear	12000	626	2.4	250	30°	5.26	4.60	3.95	3.55
697-SSP-LX6144C7UC	SSP-LX6144C7UC	A	Blue	Water Clear	4000	470	3.4	250	30°	7.36	6.44	5.52	4.99
697-SSP-LX6144C9UC	SSP-LX6144C9UC	A	Ultra White	Water Clear	4000	—	3.4	250	30°	7.36	6.44	5.52	4.99
697-SSPLX6144D2UPC	SSP-LX6144D2UPC	A	Green	Water Clear	1800	525	3.4	250	100°	7.36	6.44	5.52	4.99
697-SSP-LX6144D3SC	SSP-LX6144D3SC	A	Yellow	Water Clear	3200	590	2.4	250	100°	5.26	4.60	3.95	3.55
697-SSP-LX6144D6UC	SSP-LX6144D6UC	A	Red	Water Clear	3200	626	2.4	250	100°	5.26	4.60	3.95	3.55
697-SSP-LX6144D7UC	SSP-LX6144D7UC	A	Blue	Water Clear	1800	470	3.4	250	100°	7.36	6.44	5.52	4.99
697-SSP-LX6144D9UC	SSP-LX6144D9UC	A	Ultra White	Water Clear	1600	—	3.4	250	100°	7.36	6.44	5.52	4.99
1156 LED Replacement Lamp													
697-1156B156U12	SSP-1156B156U12	B	Red	Water Clear	5000	626	12	110	20°	4.18	3.34	2.93	2.50
697-1156B153S12	SSP-1156B153S12	B	Yellow	Water Clear	3500	590	12	110	20°	4.18	3.34	2.93	2.50
697-1156B152UP12	SSP-1156B152UP12	B	Green	Water Clear	4000	525	12	110	20°	11.50	10.07	8.63	7.76
697-1156B157U12	SSP-1156B157U12	B	Super Blue	Water Clear	4500	470	12	110	20°	10.52	9.21	7.89	7.10
697-1156B15912	SSP-1156B15912	B	Ultra White	Water Clear	7000	—	12	110	20°	11.50	10.07	8.63	7.76
1157 LED Replacement Lamp													
697-1157B156U12	SSP-1157B156U12	C	Red	Water Clear	5000	626	12	80	20°	4.18	3.34	2.93	2.50
697-1157B153S12	SSP-1157B153S12	C	Yellow	Water Clear	3500	590	12	80	12°	4.18	3.34	2.93	2.51
697-1157B15912	SSP-1157B15912	C	Ultra White	Water Clear	7000	—	12	80	12°	11.46	10.03	8.60	7.74
3157 LED Replacement Lamps * Stop/Running													
697-SSP-3157WB6U12	SSP-3157WB6U12	D	Red	Water Clear	* 8000/2700	626	12	75	35°	5.20	4.55	3.90	3.51
697-SSP-3157WB3S12	SSP-3157WB3S12	D	Super Yellow	Water Clear	* 8300/2800	590	12	75	35°	5.20	4.55	3.90	3.57
697-SSP3157WB2UP12	SSP-3157WB2UP12	D	Ultra Pure Green	Water Clear	* 12000/4000	525	12	75	35°	9.80	8.58	7.35	6.62
697-SSP-3157WB7U12	SSP-3157WB7U12	D	Super Blue	Water Clear	* 8300/2800	470	12	75	35°	9.80	8.58	7.35	6.62
697-SSP-3157WB912	SSP-3157WB912	D	Ultra White	Water Clear	* 8200/2750	—	12	75	35°	10.40	9.10	7.80	7.02
T 3 1/4 LED Miniature Wedge Base Replacement Lamp													
697-01TWB6UW12	SSP-01TWB6UW12	E	Red	White Diff.	2800	626	12	12	60°	.99	.83	.66	.56
697-01TWB6UWB12	SSP-01TWB6UWB12	E	Red	Water Clear	8000	626	12	30	31°	.99	.83	.66	.56
697-01TWB3SW12	SSP-01TWB3SW12	E	Super Yellow	White Diff.	2200	590	12	30	60°	.99	.83	.66	.56
697-01TWB3SWB12	SSP-01TWB3SWB12	E	Super Yellow	Water Clear	7000	590	12	30	35°	.99	.83	.66	.56
697-01TWB2UPW12	SSP-01TWB2UPW12	E	Ultra Green	White Diff.	2800	525	12	12	60°	1.60	1.34	1.07	.91
697-01TWB2UPWB12	SSP-01TWB2UPWB12	E	Pure Green	Water Clear	9000	525	12	30	30°	1.60	1.34	1.07	.91
697-01TWB7UW12	SSP-01TWB7UW12	E	Super Blue	White Diff.	1600	470	12	30	60°	1.50	1.25	1.00	.85
697-01TWB7UWB12	SSP-01TWB7UWB12	E	Super Blue	Water Clear	7000	470	12	30	30°	1.60	1.34	1.07	.91
697-01TWB9W12	SSP-01TWB9W12	E	Ultra White	Water Clear	3300	—	12	30	60°	1.60	1.34	1.07	.91
697-01TWB9WB12	SSP-01TWB9WB12	E	Ultra White	Water Clear	11000	—	12	30	30°	1.60	1.34	1.07	.91
Festoon LED Lamp													
697-SSP-02TFS7U12	SSP-02TFS7U12	F	Super Blue	Water Clear	4500	470	12	—	60°	3.20	2.80	2.40	2.16
697-SSP-02TFS912	SSP-02TFS912	F	Ulta White	Water Clear	5500	—	12	—	60°	3.60	3.15	2.70	2.43
Midget Flange Base Replacement Lamp													
697-D19F9SIC-12V	SSP-D19F9SIC-12V	G	Red	Water Clear	1200	636	12	30	45°	2.80	2.24	1.96	1.68
697-D19F9SYC-12V	SSP-D19F9SYC-12V	G	Yellow	Water Clear	1200	590	12	30	45°	2.80	2.24	1.96	1.68
697-D19F9SUGC-12V	SSP-D19F9SUGC-12V	G	Green	Water Clear	300	574	12	25	45°	3.30	2.64	2.31	1.98
Miniature Screw (E10) Base Replacement Lamp													
697-D29E10SIC-12V	SSP-D29E10SIC-12V	H	Red	Water Clear	2500	636	12	30	25°	2.31	1.93	1.54	1.31
697-D29E10SYC-12V	SSP-D29E10SYC-12V	H	Yellow	Water Clear	1500	590	12	30	20°	2.31	1.93	1.54	1.31
697-D29ESUGC-12V	SSP-D29ESUGC-12V	H	Green	Water Clear	1000	574	12	25	25°	2.97	2.49	1.98	1.68
Miniature Bayonet (BA9S) Base Replacement Lamp													
697-D29B9SIC-12V	SSP-D29B9SIC-12V	I	Red	Water Clear	2500	636	12	12	40°	2.31	1.93	1.54	1.31
697-D29B9SYC-12V	SSP-D29B9SYC-12V	I	Yellow	Water Clear	1500	590	12	12	40°	2.31	1.93	1.54	1.31
697-D29B9SUGC-12V	SSP-D29B9SUGC-12V	I	Green	Water Clear	1000	574	12	12	40°	2.97	2.48	1.98	1.68

Dimensions (IN.)



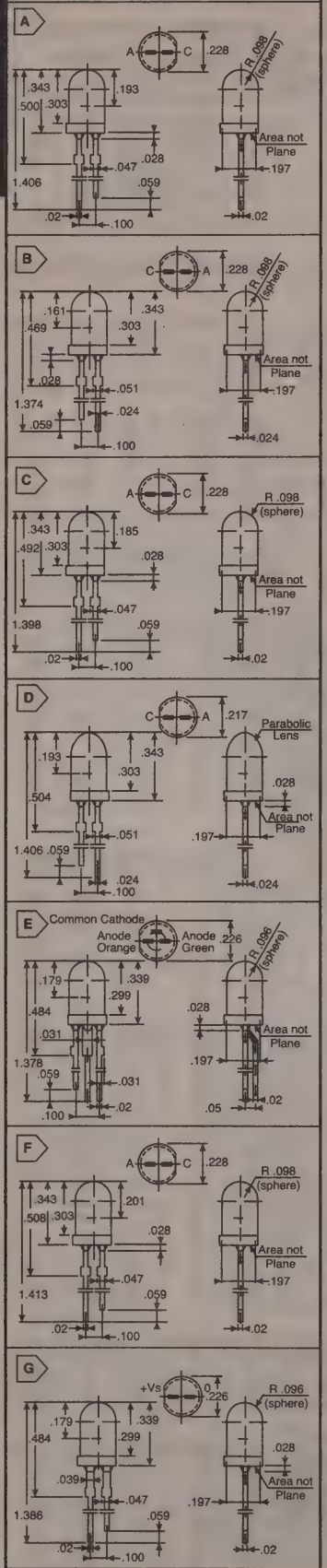
LED LAMPS

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.		Fig.	Color		Forward Voltage		Luminous Intensity			Peak Wave-length (nm)	Viewing Angle	Price Each		
Mfr.	Mfr. Part No.		LED	Lens	Typ.	Max.	Min.	Typ.	Max.			1	100	500
Standard SMD (PLCC-2)														
78—	TLMB3100	A	Blue	Non-Diffused	3.9	4.5	4.0	8.0	---	428	60°	.63	.50	.41
78—	TLMH3100	A	Hi-Eff. Red	Non-Diffused	2.4	3.0	2.5	6.0	---	635	60°	.12	.098	.081
78—	TLMO3100	A	Soft Orange	Non-Diffused	2.2	3.0	2.5	8.0	---	605	60°	.13	.10	.085
78—	TLMG3100	A	Green	Non-Diffused	2.2	3.0	4.0	9.0	---	565	60°	.12	.094	.077
78—	TLMP3100	A	Pure Green	Non-Diffused	2.4	3.0	1.0	4.0	---	555	60°	.16	.13	.11
78—	TLMY3100	A	Yellow	Non-Diffused	2.4	3.0	2.5	6.0	---	585	60°	.12	.096	.079
Power SMD (PLCC-2)														
78—	TLMK3300	A	Red	Non-Diffused	2.1	2.55	250	1000	---	624	120°	.21	.16	.14
Low Current SMD (PLCC-2)														
78—	TLMT3100	B	Hi-Eff. Red	Non-Diffused	2.2	2.9	0.25	2.5	---	635	60°	.12	.098	.081
78—	TLMC3100	A	Green	Non-Diffused	1.9	2.4	0.63	1.6	---	563	60°	.12	.094	.077
78—	TLMA3100	A	Yellow	Non-Diffused	2.2	2.9	0.25	2.5	---	585	60°	.13	.10	.083
High Intensity SMD (PLCC-2)														
78—	TLMW3100	A	White	Non-Diffused	3.5	4.2	80	140	---	475	60°	1.63	1.30	1.07
78—	TLMK3100	A	Red	Non-Diffused	1.9	2.6	10	18	---	643	60°	.13	.10	.086
78—	TLMD3100	A	Red	Non-Diffused	1.8	2.2	10	20	---	650	60°	.17	.13	.11
78—	TLMF3100	A	Soft Orange	Non-Diffused	2.0	2.6	25	50	---	610	60°	.14	.11	.095
78—	TLME3100	A	Yellow	Non-Diffused	2.0	2.6	25	50	---	590	60°	.13	.10	.086
Dual Color Surface Mount (PLCC-2)														
78—	TLMV3100	C	Red/Green	Non-Diffused	2.4	3.0	2.5	6.0	---	635/565	60°	.16	.13	.11
TELUX™ (7.62mm Square)														
78—	TLWB7600	D	Blue	Non-Diffused	4.3	4.7	200	330	630	460	30°	1.12	.90	.74
78—	TLWBG7600	D	Blue-Green	Non-Diffused	4.2	4.7	400	700	1250	503	30°	1.21	.97	.80
78—	TLWR7600	D	Red	Non-Diffused	2.2	2.67	1500	2100	3000	624	30°	.29	.23	.19
78—	TLWTG7600	D	True Green	Non-Diffused	4.2	4.7	630	900	1800	518	30°	1.21	.97	.80
78—	TLWY7600	D	Yellow	Non-Diffused	2.1	2.67	1000	1400	2400	594	30°	.29	.23	.19
78—	TLWB7900	E	Blue	Non-Diffused	4.3	4.7	200	330	630	460	45°	1.12	.90	.74
78—	TLWBG7900	E	Blue-Green	Non-Diffused	4.2	4.7	400	700	1250	503	45°	1.21	.97	.80
78—	TLWR7900	E	Red	Non-Diffused	2.2	2.67	1500	2100	3000	624	45°	.29	.23	.19
78—	TLWTG7900	E	True Green	Non-Diffused	4.2	4.7	630	900	1800	518	45°	1.21	.97	.80
78—	TLWY7900	E	Yellow	Non-Diffused	2.1	2.67	1000	1400	2400	594	45°	.29	.23	.19
Standard T-1 (3mm)														
78—	TLHB4200	F	Blue	Tinted Non-Diffused	3.9	4.5	25	50	---	428	22°	.60	.48	.40
78—	TLHR4200	F	Hi-Eff. Red	Tinted Non-Diffused	2.0	3.0	4.0	8.0	---	635	22°	.11	.086	.075
78—	TLHO4200	F	Soft Orange	Tinted Non-Diffused	2.4	3.0	4.0	10	---	605	22°	.13	.10	.086
78—	TLHG4200	F	Green	Tinted Non-Diffused	2.4	3.0	6.3	10	---	565	22°	.13	.097	.075
78—	TLHP4200	F	Pure Green	Tinted Non-Diffused	2.4	3.0	2.5	7.0	---	555	22°	.13	.11	.089
78—	TLHY4200	F	Yellow	Tinted Non-Diffused	2.4	3.0	4.0	10	---	585	22°	.13	.097	.075
78—	TLHB4400	F	Blue	Tinted Blue Diffused	3.9	4.5	6.3	15	---	428	30°	.60	.48	.40
78—	TLHR4400	F	Hi-Eff. Red	Tinted Red Diffused	2.0	3.0	1.3	3.0	---	635	30°	.11	.088	.075
78—	TLUR4400	F	Univ. Red	Tinted Red Diffused	1.6	2.0	0.4	0.8	---	660	30°	.10	.082	.068
78—	TLHO4400	F	Soft Orange	Tinted Orange Diffused	2.4	3.0	1.6	4.0	---	605	30°	.13	.11	.088
78—	TLHG4400	F	Green	Tinted Green Diffused	2.0	3.0	2.5	4.0	---	565	30°	.13	.098	.075
78—	TLHP4400	F	Pure Green	Tinted Green Diffused	2.4	3.0	0.63	2.0	---	555	30°	.13	.11	.089
78—	TLHY4400	F	Yellow	Tinted Yellow Diffused	2.0	3.0	1.6	3.0	---	585	30°	.13	.10	.075
78—	TLHR4401	F	Hi-Eff. Red	Tinted Red Diffused	2.0	3.0	1.6	3.0	---	635	30°	.11	.088	.075
78—	TLUR4401	F	Univ. Red	Red Diffused	1.6	2.0	1.0	---	5.0	660	30°	.11	.085	.07
78—	TLHG4401	F	Green	Green Diffused	2.0	3.0	4.0	6.0	---	565	30°	.15	.12	.10
78—	TLHY4401	F	Yellow	Tinted Yellow Diffused	2.4	3.0	1.6	3.0	---	585	30°	.13	.10	.075
78—	TLHR4600	F	Hi-Eff. Red	Tinted Red Diffused	2.0	3.0	1.0	2.0	---	635	60°	.11	.087	.072
78—	TLHG4600	F	Green	Tinted Green Diffused	2.4	3.0	1.0	2.0	---	565	60°	.13	.098	.075
78—	TLHY4600	F	Yellow	Tinted Yellow Diffused	2.4	3.0	0.63	2.0	---	585	60°	.12	.099	.081
78—	TLHR4900	G	Hi-Eff. Red	Clear	2.0	3.0	6.3	13	---	635	16°	.11	.086	.075
78—	TLHO4900	G	Soft Orange	Clear	2.4	3.0	10	26	---	605	16°	.13	.11	.088
78—	TLHG4900	G	Green	Clear	2.4	3.0	16	37	---	565	16°	.13	.10	.088
78—	TLHP4900	G	Pure Green	Clear	2.4	3.0	4.0	13	---	555	16°	.13	.11	.089
78—	TLHY4900	G	Yellow	Clear	2.4	3.0	10	26	---	585	16°	.12	.099	.081
Low Current T-1 (3mm)														
78—	TLLR4401	F	Hi-Eff. Red	Red Diffused	1.9	2.4	1.0	2.0	---	635	25°	.15	.12	.099
78—	TLLG4401	F	Green	Green Diffused	1.9	2.4	1.0	2.0	---	565	25°	.13	.11	.087
78—	TLLY4401	F	Yellow	Yellow Diffused	2.4	2.9	1.0	2.0	---	585	25°	.15	.12	.099
High Intensity T-1 (3mm)														
78—	TLHK4200	F	Red	Tinted Non-Diffused	1.9	2.6	25	50	---	643	22°	.16	.13	.10
78—	TLDR4400	F	Red	Red Diffused	1.8	2.2	25	45	---	650	40°	.22	.18	.15
78—	TLHK4900	G	Red	Clear	1.9	2.6	40	140	---	643	16°	.16	.13	.10
78—	TLDR4900	G	Red	Clear	1.8	2.2	63	200	---	650	16°	.26	.21	.17
78—	TLHF4900	G	Soft Orange	Clear	2.4	3.0	10	26	---	605	16°	.22	.18	.15
78—	TLHE4900	G	Yellow	Clear	2.4	3.0	10	26	---	585	16°	.19	.15	.12

VISHAY LED Lamps

Dimensions (IN.)



LED LAMPS

Standard T-1 3/4 (5mm)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Color		Forward Voltage		Luminous Intensity			Peak Wavelength (nm)	Viewing Angle	Price Each		
Mfr.	Mfr. Part No.		LED	Lens	Typ.	Max.	Min.	Typ.	Max.			1	100	500
78—	TLHB5100	A	Blue	Water Clear	3.9	4.5	66	210	---	428	9°	.61	.49	.40
78—	TLHB5102	A	Blue	Water Clear	3.9	4.5	130	---	360	428	9°	.65	.52	.43
78—	TLHR5200	B	Hi-Eff. Red	Tinted Non-Diffused	2.0	3.0	10	20	---	635	14°	.08	.065	.054
78—	TLHG5200	B	Green	Tinted Non-Diffused	2.4	3.0	16	30	---	565	14°	.10	.079	.066
78—	TLHY5200	B	Yellow	Tinted Non-Diffused	2.4	3.0	10	30	---	585	14°	.12	.099	.081
78—	TLHB5400	C	Blue	Blue Diffused	3.9	4.5	6.3	15	---	428	30°	.63	.50	.42
78—	TLHR5400	C	Hi-Eff. Red	Red Diffused	2.0	3.0	1.6	3.5	---	635	30°	.08	.067	.055
78—	TLUR5400	C	Univ. Red	Red Diffused	1.6	2.0	0.4	0.8	---	660	30°	.10	.082	.068
78—	TLHG5400	C	Green	Green Diffused	2.4	3.0	1.6	4.0	---	565	30°	.10	.082	.067
78—	TLHY5400	C	Yellow	Yellow Diffused	2.4	3.0	1.6	3.5	---	585	30°	.12	.099	.081
78—	TLHG5800	D	Green	Non-Diffused	2.4	3.0	400	700	---	565	4°	.11	.085	.070
78—	TLHP5800	D	Pure Green	Non-Diffused	2.4	3.0	25	85	---	555	4°	.13	.11	.089
78—	TLHY5800	D	Yellow	Non-Diffused	2.4	3.0	100	250	---	585	4°	.12	.099	.081

Dual Color T-1 3/4 (5mm)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Color		Forward Voltage		Luminous Intensity			Peak Wavelength (nm)	Viewing Angle	Price Each		
Mfr.	Mfr. Part No.		LED	Lens	Typ.	Max.	Min.	Typ.	Max.			1	100	500
78—	TLUV5300	E	Org. Red/Grn	Non-Diffused	2.0	3.0	1.0	2.5	---	630	30°	.29	.23	.19

Low Current T-1 3/4 (5mm)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Color		Forward Voltage		Luminous Intensity			Peak Wavelength (nm)	Viewing Angle	Price Each		
Mfr.	Mfr. Part No.		LED	Lens	Typ.	Max.	Min.	Typ.	Max.			1	100	500
78—	TLLR5401	C	Hi-Eff. Red	Red Diffused	1.9	2.4	1.0	2.0	---	635	25°	.15	.12	.099
78—	TLLG5401	C	Green	Green Diffused	1.9	2.4	1.0	2.0	---	565	25°	.13	.11	.087
78—	TLLY5401	C	Yellow	Yellow Diffused	2.4	2.9	1.0	2.0	---	585	25°	.15	.12	.099

High Intensity T-1 3/4 (5mm)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Color		Forward Voltage		Luminous Intensity			Peak Wavelength (nm)	Viewing Angle	Price Each		
Mfr.	Mfr. Part No.		LED	Lens	Typ.	Max.	Min.	Typ.	Max.			1	100	500
78—	TLHK5100	F	Red	Clear	1.9	2.6	320	---	---	643	9°	.16	.13	.11
78—	TLHG5100	F	Green	Clear	2.4	3.0	240	---	---	565	9°	.11	.090	.074
78—	TLHP5100	F	Pure Green	Clear	2.4	3.0	66	---	---	555	9°	.13	.11	.089
78—	TLHE5100	F	Yellow	Clear	2.0	2.6	750	---	---	590	9°	.18	.14	.12
78—	TLDR5400	C	Red	Red Diffused	1.8	2.2	35	70	---	650	30°	.22	.18	.15
78—	TLHK5800	D	Red	Non-Diffused	1.9	2.6	1000	2500	---	643	4°	.16	.13	.11
78—	TLDR5800	D	Red	Clear	1.8	2.2	1000	2500	---	650	4°	.22	.18	.15
78—	TLHF5800	D	Soft Orange	Non-Diffused	2.0	2.6	1000	3500	---	610	4°	.18	.14	.12
78—	TLHE5800	D	Yellow	Non-Diffused	2.0	2.6	1000	3500	---	590	4°	.18	.14	.12

Ultrabright T-1 3/4 (5mm)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Color		Forward Voltage		Luminous Intensity			Peak Wavelength (nm)	Viewing Angle	Price Each		
Mfr.	Mfr. Part No.		LED	Lens	Typ.	Max.	Min.	Typ.	Max.			1	100	500
78—	TLCB5800	F	Blue	Clear	3.9	4.5	750	2500	---	464	4°	1.20	.96	.79
78—	TLCR5800	F	Red	Clear	2.1	2.7	7500	20000	---	622	4°	.24	.19	.16
78—	TLCTG5800	F	True Green	Clear	3.9	4.5	2400	7000	---	520	4°	1.38	1.10	.91
78—	TLCY5800	F	Yellow	Clear	2.1	2.7	5750	14000	---	593	4°	.24	.19	.16

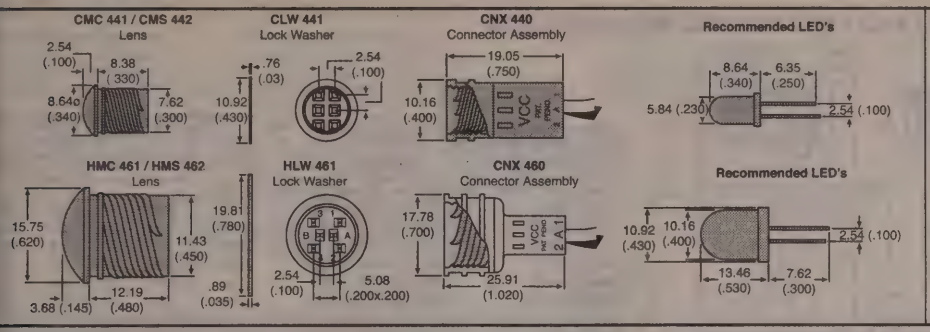
Blinking T-1 3/4 (5mm)

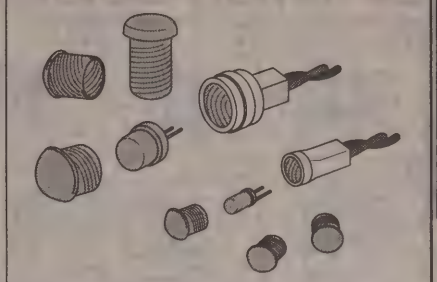
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Color		Forward Voltage		Luminous Intensity			Peak Wavelength (nm)	Viewing Angle	Price Each		
Mfr.	Mfr. Part No.		LED	Lens	Typ.	Max.	Min.	Typ.	Max.			1	100	500
78—	TLBR5410	G	Red	Red Diffused	4.75	7.0	0.5	1.6	---	660	40°	.49	.40	.34

MOUSER ELECTRONICS a tti company

VCC LED Lenses and Mounting Components





CABLE ASSEMBLIES FOR 5MM AND 10MM LED LIGHTS

Features:

180° viewing angle for LED that have 20 to 20K mcd.
Lens threads into holder for easy assembly
Sealed style exceeds NEMA 4 for dust, water and ice.

Additional Options:

Can be made with 3 or 4 wire configuration.
24 AWG stranded wire is standard, 22 AWG wire upon request.

Pre-wired Solderless LED Holders - Twist Fit

MOUSER STOCK NO.	VCC Part No.	Length (In.)	Price Each 1	10	100	500
5mm Bi-Lead LED 24AWG 2 Wire /.025" Header Post						
593-CNX440E24108	CNX440-E02-4-1-08	8	2.98	2.47	1.96	1.60
593-CNX440E24112	CNX440-E02-4-1-12	12	3.24	2.56	2.07	1.68
593-CNX440E24118	CNX440-E02-4-1-18	18	3.36	2.65	2.17	1.77
593-CNX440E24124	CNX440-E02-4-1-24	24	3.46	2.76	2.28	1.85
5mm Bi-Lead LED 24AWG 2 Wire /Stripped Ends						
593-CNX440X24108	CNX440-X02-4-1-08	8	1.85	1.55	1.23	1.00
593-CNX440X24112	CNX440-X02-4-1-12	12	1.96	1.64	1.33	1.08
593-CNX440X24118	CNX440-X02-4-1-18	18	2.07	1.76	1.44	1.17
593-CNX440X24124	CNX440-X02-4-1-24	24	2.16	1.86	1.54	1.25
10mm Bi-Lead LED 24AWG 2 Wire /.025" Header Post						
593-CNX460E24108	CNX460-E02-4-1-08.	8	4.38	3.65	2.91	2.37
593-CNX460E24112	CNX460-E02-4-1-12	12	4.47	3.74	3.01	2.45
593-CNX460E24118	CNX460-E02-4-1-18	18	4.57	3.84	3.12	2.54
593-CNX460E24124	CNX460-E02-4-1-24	24	4.66	3.93	3.22	2.62
10mm Bi-Lead LED 24AWG 2 Wire /Stripped Ends						
593-CNX460X24108	CNX460-X02-4-1-08	8	3.36	2.65	2.17	1.77
593-CNX460X24112	CNX460-X02-4-1-12	12	3.46	2.76	2.28	1.85
593-CNX460X24118	CNX460-X02-4-1-18	18	3.56	2.85	2.38	1.94
593-CNX460X24124	CNX460-X02-4-1-24	24	3.65	2.94	2.49	2.02

Lens for Twist Style LED Holders

• Includes Lens, Lockwasher, and Ring

MOUSER STOCK NO.	VCC Part No.	Color	Price Each 1	10	100	500
5mm Standard Lens						
593-CMC441RTP	CMC441-RTP	Red	.81	.68	.56	.46
593-CMC441GTP	CMC441-GTP	Green	.81	.68	.56	.46
593-CMC441ATP	CMC441-ATP	Amber	.81	.68	.56	.46
593-CMC441BTP	CMC441-BTP	Blue	.81	.68	.56	.46
593-CMC441YTP	CMC441-YTP	Yellow	.81	.68	.56	.46
593-CMC441CTP	CMC441-CTP	Clear	.81	.68	.56	.46
5mm Water Tight Lens						
593-CMS442RTP	CMS442-RTP	Red	1.56	1.29	1.05	.86
593-CMS442GTP	CMS442-GTP	Green	1.56	1.29	1.05	.86
593-CMS442ATP	CMS442-ATP	Amber	1.56	1.29	1.05	.86
593-CMS442BTP	CMS442-BTP	Blue	1.56	1.29	1.05	.86
593-CMS442YTP	CMS442-YTP	Yellow	1.56	1.29	1.05	.86
593-CMS442CTP	CMS442-CTP	Clear	1.56	1.29	1.05	.86
10mm Standard Lens						
593-HMC461RTP	HMC461-RTP	Red	1.24	1.03	.84	.68
593-HMC461GTP	HMC461-GTP	Green	1.24	1.03	.84	.68
593-HMC461ATP	HMC461-ATP	Amber	1.24	1.03	.84	.68
593-HMC461BTP	HMC461-BTP	Blue	1.24	1.03	.84	.68
593-HMC461YTP	HMC461-YTP	Yellow	1.24	1.03	.84	.68
593-HMC461CTP	HMC461-CTP	Clear	1.24	1.03	.84	.68
10mm Water Tight Lens						
593-HMS462RTP	HMS462-RTP	Red	1.98	1.65	1.33	1.08
593-HMS462GTP	HMS462-GTP	Green	1.98	1.65	1.33	1.08
593-HMS462ATP	HMS462-ATP	Amber	1.98	1.65	1.33	1.08
593-HMS462BTP	HMS462-BTP	Blue	1.98	1.65	1.33	1.08
593-HMS462YTP	HMS462-YTP	Yellow	1.98	1.65	1.33	1.08
593-HMS462CTP	HMS462-CTP	Clear	1.98	1.65	1.33	1.08

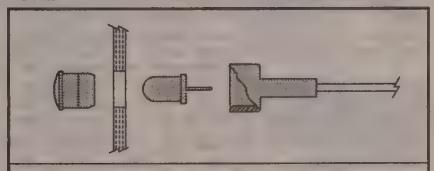
PRE-WIRED SOLDERLESS LED INTERCONNECTIONS

Material Specifications:

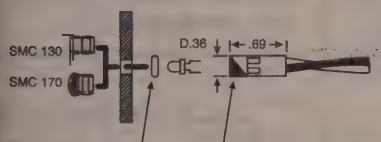
- Panel connector socket and ring: thermoplastic
- Header connector: thermoplastic (UL Listed materials)
- Terminals: phosphor bronze, tin plated
- Wire: 22AWG, 7 strand copper, insulated

Electrical Specifications:

- Terminal: 3A continuous service
- Unique three-finger design mates to round, square, or rectangular leads .017" to .025"

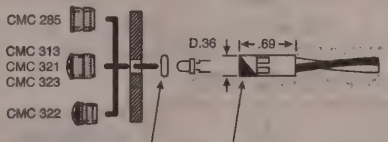


Insert LED into connector. Install lens in panel opening. Press connector and lens together.



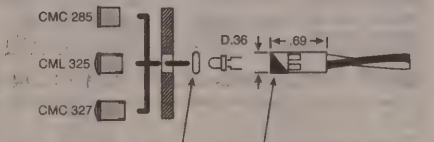
For quantities of 1000 and up, call for quotation.

MOUSER STOCK NO.	Length (In.)	Price Each 1	10	100	500
3mm Bi-Lead LED/.025" Header Post					
593-CNXBE2104	4	2.13	1.78	1.40	1.14
593-CNXBE2108	8	2.13	1.78	1.40	1.14
593-CNXBE2112	12	2.28	1.90	1.51	1.23
593-CNXBE2118	18	2.43	2.03	1.61	1.31
593-CNXBE2124	24	2.61	2.18	1.72	1.40
3mm Bi-Lead LED/Stripped Ends					
593-CNXBX2104	4	1.44	1.20	.95	.77
593-CNXBX2108	8	1.44	1.20	.95	.77
593-CNXBX2112	12	1.59	1.33	1.05	.86
593-CNXBX2118	18	1.74	1.45	1.16	.94
593-CNXBX2124	24	1.92	1.60	1.26	1.03



For quantities of 1000 and up, call for quotation.

MOUSER STOCK NO.	Length (In.)	Price Each 1	10	100	500
5mm Bi-Lead LED/.025" Header Post					
593-CNXCE2104	4	2.13	1.78	1.40	1.14
593-CNXCE2108	8	2.13	1.78	1.40	1.14
593-CNXCE2112	12	2.28	1.90	1.51	1.23
593-CNXCE2118	18	2.43	2.03	1.61	1.31
593-CNXCE2124	24	2.61	2.18	1.72	1.40
5mm Bi-Lead LED/Stripped Ends					
593-CNXCX2104	4	1.44	.95	.77	.71
593-CNXCX2108	8	1.44	.95	.77	.71
593-CNXCX2112	12	1.59	1.33	1.05	.86
593-CNXCX2118	18	1.74	1.45	1.16	.94
593-CNXCX2124	24	1.92	1.26	1.03	.95

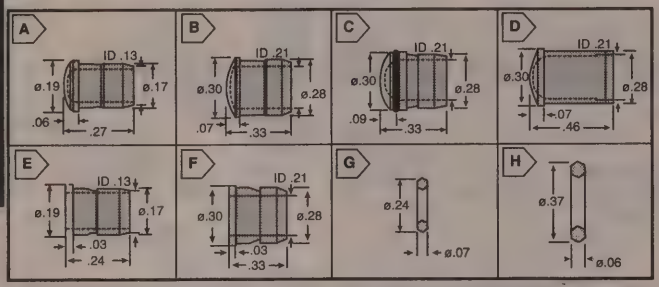


For quantities of 1000 and up, call for quotation.

MOUSER STOCK NO.	Length (In.)	Price Each 1	10	100	500
5mm Tri-Lead LED/.025" Header Post					
593-CNXDF2604	4	3.03	2.53	2.00	1.62
593-CNXDF2608	8	3.03	2.53	2.00	1.62
593-CNXDF2612	12	3.36	2.21	1.80	1.66
593-CNXDF2618	18	3.60	3.00	2.38	1.94
593-CNXDF2624	24	3.81	3.18	2.52	2.05
5mm Tri-Lead LED/Stripped Ends					
593-CNXDX2604	4	1.95	1.63	1.30	1.05
593-CNXDX2608	8	1.95	1.30	1.05	.97
593-CNXDX2612	12	2.28	1.90	1.51	1.23
593-CNXDX2618	18	2.55	2.13	1.68	1.37
593-CNXDX2624	24	2.76	2.30	1.82	1.48

VCC LED Lenses and Mounting Components

LOW PROFILE PANEL MOUNTS AND LENS FOR PBC MOUNTED LEDS



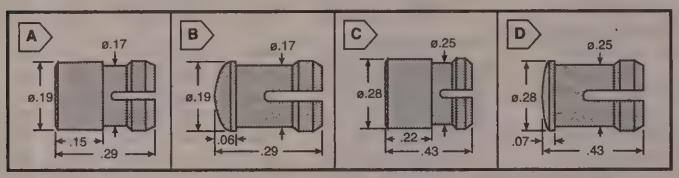
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Fig.	Lens Colors	Price Each 1	10	100	500
3mm Low Profile Fresnel Lens (Mounting hole 0.171in.)							
593-1700R	SMC170RTP	A	Red	.28	.24	.21	.17
593-1700A	SMC170ATP	A	Amber	.28	.24	.21	.17
593-1700G	SMC170GTP	A	Green	.28	.24	.21	.17
593-1700Y	SMC170YTP	A	Yellow	.28	.24	.21	.17
593-1700B	SMC170BTP	A	Blue	.28	.24	.21	.17
593-1700C	SMC170CTP	A	Clear	.28	.24	.21	.17
5mm Low Profile Fresnel Lens (Mounting hole 0.281in.)							
593-3210R	CMC321RTP	B	Red	.30	.26	.23	.19
593-3210A	CMC321ATP	B	Amber	.30	.26	.23	.19
593-3210G	CMC321GTP	B	Green	.30	.26	.23	.19
593-3210Y	CMC321YTP	B	Yellow	.30	.26	.23	.19
593-3210B	CMC321BTP	B	Blue	.30	.26	.23	.19
593-3210C	CMC321CTP	B	Clear	.30	.26	.23	.19

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Fig.	Lens Colors	Price Each 1	10	100	500
5mm Low Profile Diffused Lens (Mounting hole 0.281in.)							
593-3130RTP	CMC313RTP	C	Red	.30	.27	.23	.20
593-3130ATP	CMC313ATP	C	Amber	.30	.27	.23	.20
593-3130GTP	CMC313GTP	C	Green	.30	.27	.23	.20
593-3130YTP	CMC313YTP	C	Yellow	.30	.27	.23	.20
593-3130BTP	CMC313BTP	C	Blue	.30	.27	.23	.20
593-3130CTP	CMC313CTP	C	Clear	.30	.27	.23	.20
5mm Low Profile Diffused Lens Moisture Seal (Mounting hole 0.281in.)							
593-3220R	CMS322RTP	C	Red	.90	.79	.68	.57
593-3220A	CMS322ATP	C	Amber	.90	.79	.68	.57
593-3220G	CMS322GTP	C	Green	.90	.79	.68	.57
593-3220Y	CMS322YTP	C	Yellow	.90	.79	.68	.57
593-3220B	CMS322BTP	C	Blue	.90	.79	.68	.57
593-3220C	CMS322CTP	C	Clear	.90	.79	.68	.57
5mm Low Profile Plain End Lens (Mounting hole 0.281in.)							
593-3230C	CMC323CTP	B	Clear	.30	.27	.23	.20
593-3270C	CML327CTP	D	Clear	.30	.27	.23	.20
5mm Low Profile Fresnel Lens (Mounting hole 0.281in.)							
593-3250C	CML325CTP	D	Clear	.30	.27	.23	.20
3mm, 5mm Mounts and Spacers							
593-SMC130CTP	SMC130CTP	E	Clear	.20	.18	.15	.13
593-SMC130BLK	SMC130BLK	E	Black	.20	.18	.15	.13
593-CMC285CTP	CMC285CTP	F	Clear	.20	.18	.15	.13
593-CMC285BLK	CMC285BLK	F	Black	.17	.15	.13	.11
593-SPC040	SPC040	G	Spacer	.08	.07	.065	.06
593-SPC060	SPC060	H	Spacer	.08	.07	.065	.06

CLIPLITE AND CUBELITE LENS MOUNTS FOR T1 AND T1 3/4 LEDS



Features:
- Provides viewing angles up to 180°
- High contrast and visibility
- Provides an easy snap-mount method for mounting LEDs through the front panel
- Protects the LED from physical damage from electrostatic discharge (ESD), up to 16KV
- Lens mounts utilize striated lines and fresnel rings to increase apparent brightness up to 125%

Specifications:
- Lens material: polycarbonate

For quantities of 1000 and up, call for quote.

Type	Mtg. Hole (In.)	Price Each 1	10	100	500
T1	.171	.28	.24	.21	.17
T1 3/4	.25	.30	.26	.23	.19

Round Lens

MOUSER STOCK NO.	Fig.	Lens Colors	VCC Part No.
T1 (3mm) Standard Height			
593-1900R	A	Red	SML190RTP
593-1900A	A	Amber	SML190ATP
593-1900G	A	Green	SML190GTP
593-1900Y	A	Yellow	SML190YTP
593-1900B	A	Blue	SML190BTP
593-1900C	A	Clear	SML190CTP
T1 (3mm) Low Profile			
593-2000R	B	Red	SMB200RTP
593-2000A	B	Amber	SMB200ATP
593-2000G	B	Green	SMB200GTP
593-2000Y	B	Yellow	SMB200YTP
593-2000B	B	Blue	SMB200BTP
593-2000C	B	Clear	SMB200CTP

Round Lens (Cont.)

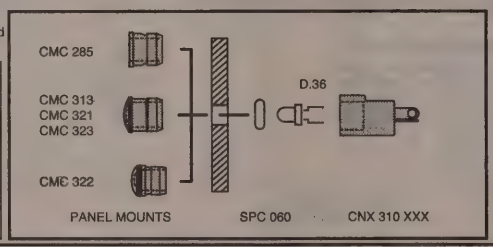
MOUSER STOCK NO.	Fig.	Lens Colors	VCC Part No.
T1 3/4 (5mm) Standard Height			
593-2800R	C	Red	CLF280RTP
593-2800A	C	Amber	CLF280ATP
593-2800G	C	Green	CLF280GTP
593-2800Y	C	Yellow	CLF280YTP
593-2800B	C	Blue	CLF280BTP
593-2800C	C	Clear	CLF280CTP
T1 3/4 (5mm) Low Profile			
593-3000R	D	Red	CLB300RTP
593-3000A	D	Amber	CLB300ATP
593-3000G	D	Green	CLB300GTP
593-3000Y	D	Yellow	CLB300YTP
593-3000B	D	Blue	CLB300BTP
593-3000C	D	Clear	CLB300CTP

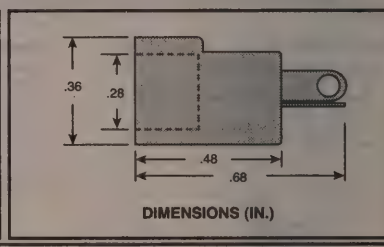
SOLDERLESS LED CONNECTORS

1/4W Current limiting resistor built into the natural polypropylene housing.
1/2W Resistor can be built upon request. Terminals are phosphor bronze, tin plated

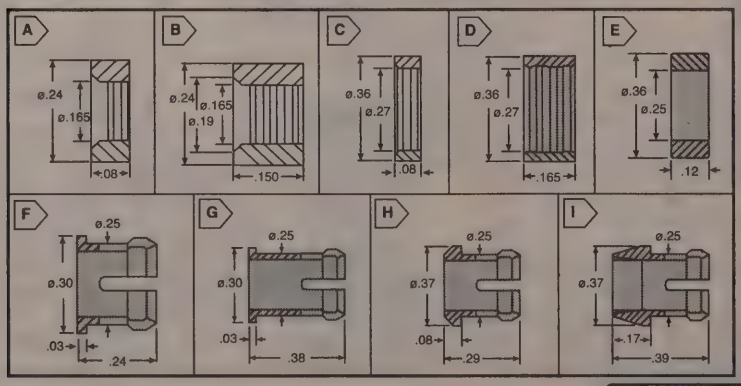
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Resistance Value (Ω)	Price Each 1	10	100	500
593-CNX310000	No resistor	.53	.44	.36	.31
593-CNX310012	120	.85	.71	.59	.50
593-CNX310018	180	.85	.71	.59	.50
593-CNX310033	330	.85	.71	.59	.50
593-CNX310056	560	.85	.71	.59	.50
593-CNX310120	1.2K	.85	.71	.59	.50
593-CNX310220	2.2K	.85	.71	.59	.50





MOUNTING CLIPS FOR T1 3/4 (5MM) STANDARD LEDS



Retaining Ring

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100
593-RNG132	A	For CLP, 1700 Series	.09	.08	.07
593-RNG165	B	For CLP, 1900, 2000, 2500 Series	.09	.08	.07
593-RNG234	C	For CLP, 3210 Series	.09	.08	.07
593-RNG268	D	For CLP, 2800, 3000, 3210, 3220 Series	.09	.08	.07

LED Spacer

593-SPC125	E	Spacer for 3000 Series	.09	.08	.07

Retaining Ring

593-CLP125	F	For CLP, 1700 Series	.09	.08	.07
593-CLP126	G	For CLP, 1900, 2000, 2500 Series	.09	.08	.07
593-CLP127	H	For CLP, 3210 Series	.09	.08	.07
593-CLP129	I	For CLP, 2800, 3000, 3210, 3220 Series	.09	.08	.07

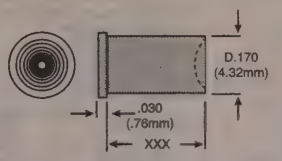
VCC LED Lenses and Mounting Components

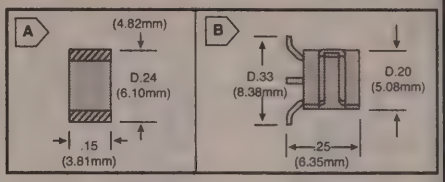
LIGHTPIPES WITH SURFACE MOUNT LED

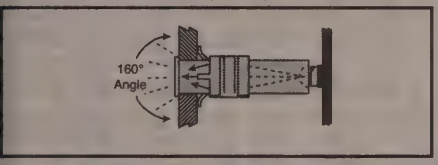
Material Specifications:
- Litepipe: Acrylic (optical grade)
- Grommet: Polyethylene (black)
- Spring Clip: Spring steel, Nickel plated

Material Specifications:
- Surface mount, vertical and horizontal 3mm LEDs, litepipes for blending multicolor LEDs are available on special request.

Mounting Specifications:
- Panel hole: Round .171" Dia. (4.32mm)
- Panel thickness: .062" min. (1.57mm)
- Lightpipes from .200" to .500" use grommet retainer
- Lightpipes from .500" to 2.00" the spring clip is recommended for rigidity







Lightpipes

For quantities of 1000 and up, call for quote.

.20" to 1.00" lengths				1.02" to 2.00" lengths			
Price Each				Price Each			
1	10	100	500	1	10	100	500
.38	.34	.29	.25	.43	.38	.33	.27

Additional sizes are available, contact Mouser sales department.

MOUSER STOCK NO.	Length (In.)
593-LPC020	0.2
593-LPC022	0.22
593-LPC024	0.24
593-LPC026	0.26
593-LPC028	0.28

MOUSER STOCK NO.	Length (In.)
593-LPC030	0.3
593-LPC032	0.32
593-LPC034	0.34
593-LPC036	0.36
593-LPC038	0.38

MOUSER STOCK NO.	Length (In.)
593-LPC040	0.4
593-LPC042	0.42
593-LPC044	0.44
593-LPC046	0.46
593-LPC048	0.48

MOUSER STOCK NO.	Length (In.)
593-LPC050	0.5
593-LPC056	0.56
593-LPC060	0.6
593-LPC066	0.66
593-LPC070	0.7

Mounts

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
593-RTN150	A	Grommet	.11	.09	.09	.08
593-RTN250	B	Spring Clip	.12	.10	.07	.06

593-RTN150 for use with .200 to .500, 593-RTN250 for all other lengths.

MOUSER STOCK NO.	Length (In.)
593-LPC076	0.76
593-LPC080	0.8
593-LPC086	0.86
593-LPC090	0.9
593-LPC096	0.96

MOUSER STOCK NO.	Length (In.)
593-LPC100	1
593-LPC125	1.25
593-LPC150	1.5
593-LPC175	1.75
593-LPC200	2

LITEPIPES

Litepipes easily provide a means of transmitting the light from PCB mounted LEDs to the front display panel. Both styles of LEDs (surface mount and standard packages) can be displayed in this manner. The litepipe by itself has a limited angle of view. However, when used with VCC's fresnel lens, the light is disbursed over the entire lens surface producing 180° of viewing.

Material Specifications:
- Litepipe: acrylic (optical grade)
- Lens: polycarbonate; ring: polypropylene (UL Listed Material)

Mounting Specifications:
- **3mm:** mates with lens SMB 200. Panel mounting hole .171 (4.3mm) on 1/4" centers. Panel thickness 1/32" to 1/8". Litepipe lengths from .200" to 1.200".
- **5mm:** mate with lens CLB 300 and SQB 400. Panel mounting hole .250 (6.35mm) on 3/8" centers. Panel thickness 1/32" to 1/4". Lengths from .360" to 1.360". For panels less than 3/16" use SPC 125 spacer.

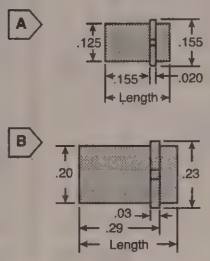
Standoff Specifications:
- Use VCC's standoff to adjust the height of a standard LED above the PCB and maintain a maximum .050" clearance between litepipe and LED.

T-1 (3mm)

MOUSER STOCK NO.	Fig.	Color	Length (In.)
593-LSV020C	A	Clear	.20
593-LSV040C	A	Clear	.40
593-LSV060C	A	Clear	.60
593-LSV080C	A	Clear	.80
593-LSV100C	A	Clear	1.00
593-LSV120C	A	Clear	1.20

T-1 3/4 (5mm)

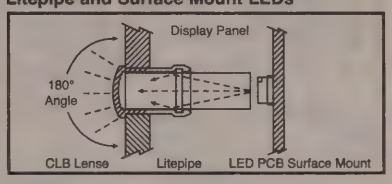
MOUSER STOCK NO.	Fig.	Color	Length (In.)
593-LCV036C	B	Clear	.36
593-LCV056C	B	Clear	.56
593-LCV076C	B	Clear	.76
593-LCV096C	B	Clear	.96
593-LCV116C	B	Clear	1.16
593-LCV136C	B	Clear	1.36



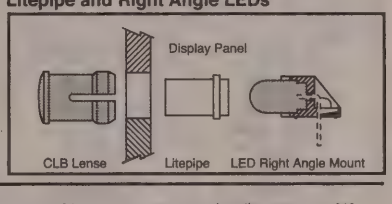
For quantities of 1000 and up, call for quote.

Price Each			
1	10	100	500
.30	.27	.25	.23

Litepipe and Surface Mount LEDs



Litepipe and Right Angle LEDs

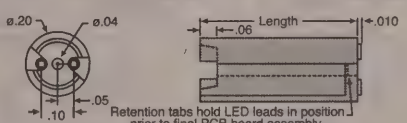


PCB STANDOFFS FOR BI AND TRI-LEAD COMPONENTS

Standoffs are designed for printed circuit board mounting of multi-lead devices ie. LEDs. They cope with various problems in mounting passive components. They include height control, lateral stability, lead retention, lead shorting, and solder flux removal. Device height control is simplified with mounts ranging in lengths from .12" to 1.0"

- Material: thermoplastic (black) UL 94V-0

.12" to .48" lengths				.50" to 1.0" lengths			
Price Each				Price Each			
1	10	100	500	1	10	100	500
.12	.10	.08	.07	.13	.11	.08	.07



MOUSER STOCK NO.	Length (In.)
593-STD120B	.12
593-STD140B	.14
593-STD160B	.16
593-STD180B	.18
593-STD200B	.20

MOUSER STOCK NO.	Length (In.)
593-STD220B	.22
593-STD240B	.24
593-STD250B	.25
593-STD260B	.26
593-STD280B	.28

MOUSER STOCK NO.	Length (In.)
593-STD300B	.30
593-STD320B	.32
593-STD340B	.34
593-STD360B	.36
593-STD380B	.38

MOUSER STOCK NO.	Length (In.)
593-STD400B	.40
593-STD420B	.42
593-STD440B	.44
593-STD460B	.46
593-STD480B	.48

DIMENSIONS (IN.)

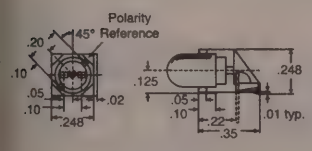
MOUSER STOCK NO.	Length (In.)
593-STD500B	.50
593-STD550B	.55
593-STD600B	.60
593-STD650B	.65
593-STD700B	.70

MOUSER STOCK NO.	Length (In.)
593-STD750B	.75
593-STD800B	.80
593-STD850B	.85
593-STD900B	.90
593-STD950B	.95
593-STD1.0B	1.0

PCB MOUNTS FOR BI AND TRI-LEAD LEDS

Allows the right angle mounting of 5mm LEDs used as diagnostic and logic indicator lights of PC boards. Permits the right angle mounting of the bi-lead as well as both configurations of the tri-lead LED.

DIMENSIONS (In.)



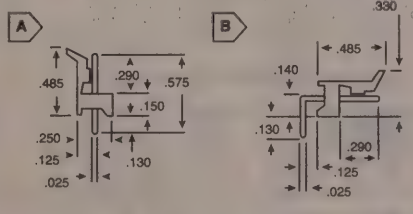
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Price Each		
	1	10	100
593-PCH175	.11	.09	.08

PCB MOUNTS

Specifically made for VCC's header post that are used on cable assemblies. This allows a proper lock of the two parts to resist disconnecting under normal use.

DIMENSIONS (In.)

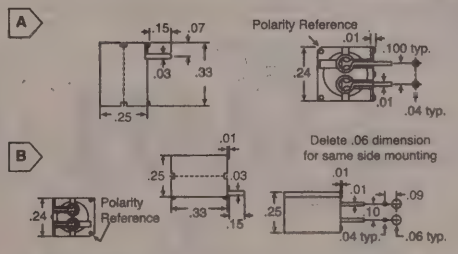


For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
593-CNXV02NTP	A	2 Pos. Vertical	.28	.24	.22	.21
593-CNXH02NTP	B	2 Pos. Horiz.	.36	.31	.27	.23

P-C LITE CIRCUIT BOARD SOCKETS FOR 3MM AND 5MM LEDS

DIMENSIONS (In.)

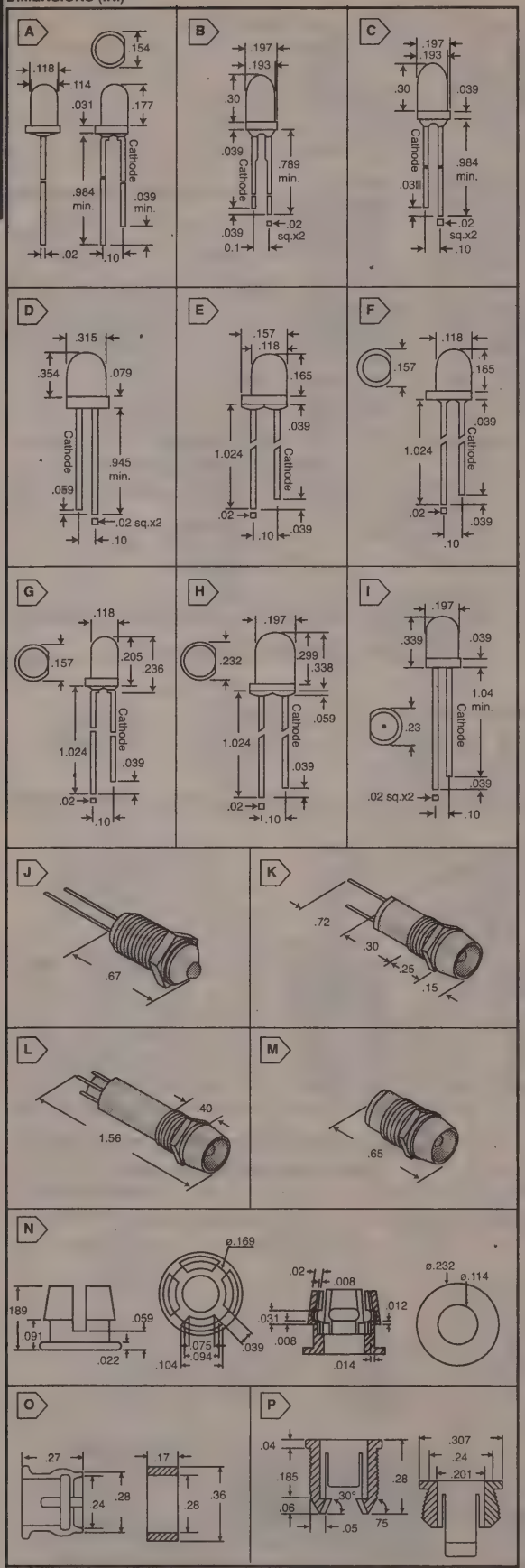


For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Price Each			
			1	10	100	500
Thru-Hole, Horizontal Socket						
593-PCH330	A	1	.70	.64	.54	.48
Thru-Hole, Vertical Socket		Positions				
593-PCV220	B	1	.70	.64	.54	.48

XICON LED Lamps and Indicators

DIMENSIONS (IN.)



STANDARD LED LAMPS

• Reverse voltage: 5V max.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color LED	Color Lens	Forward Voltage @ I_F = 20mA Typ.	Forward Voltage @ I_F = 20mA Max.	Luminous Intensity @ 10mA(mcd) Min.	Luminous Intensity @ 10mA(mcd) Typ.	Peak Wave-Length (nm)	Viewing Angle	Price Each 1	Price Each 100	Price Each 500
T-1 Miniature Size (3mm)												
351-3102	A	Red	Red Diff	2.2	2.8	2.0	4.0	695	40°	.19	.14	.13
351-3003	A	Green	Green Diff	2.2	2.8	3.0	7.0	570	120°	.19	.14	.13
351-3103	A	Green	Green Diff	2.2	2.8	7.0	17.0	570	40°	.19	.14	.13
T-1 3/4 Standard Size (5mm)												
351-5001	B	Red	Red Diff	1.7	2.0	0.5	1.0	655	130°	.19	.14	.13
351-5022	C	Red	Red Diff	2.2	2.8	2.0	5.0	695	35°	.19	.14	.13
351-5003	B	Green	Green Diff	2.1	2.8	3.5	6.5	565	130°	.19	.14	.13
351-5023	C	Green	Green Diff	2.2	2.8	8.0	18.0	570	35°	.19	.14	.13
Jumbo Size (8mm)												
351-7542	D	Red	Red Diff	2.1	3.0	4.1	10.3	635	40°	.66	.44	.40
351-7540	D	Green	Green Diff	2.1	3.0	3.5	8.9	567	40°	.69	.47	.43
351-7541	D	Yellow	Yellow Diff	2.1	3.0	2.9	7.3	585	40°	.74	.49	.45

SUPER-BRIGHT LED LAMPS

T-1 Miniature Size (3mm) • Operating temperature: 20°C to 80°C • Reverse current: 100μA • Storage temperature: 30°C to 100°C • Reverse voltage: 5V max.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color LED	Color Lens	Forward Voltage @ I_F = 20mA Typ.	Forward Voltage @ I_F = 20mA Max.	Luminous Intensity @ 10mA(mcd) Min.	Luminous Intensity @ 10mA(mcd) Typ.	Peak Wave-Length (nm)	Viewing Angle	Price Each 1	Price Each 10	Price Each 100
351-3232	E	Red	Diffused	1.5	2.4	100	180	660	68°	.30	.25	.22
351-3242	E	Green	Diffused	1.7	2.8	18	30	565	68°	.30	.25	.22
351-3252	E	Yellow	Diffused	1.7	2.8	150	280	585	68°	.30	.25	.22
351-3231	F	Red	Transparent	1.5	2.4	180	300	660	20°	.30	.25	.22
351-3241	F	Green	Transparent	1.7	2.8	36	60	565	20°	.30	.25	.22
351-3251	F	Yellow	Transparent	1.7	2.8	36	60	585	20°	.30	.25	.22
351-3230	G	Red	Water Clear	1.5	2.4	150	300	660	38°	.30	.25	.22
351-3240	G	Green	Water Clear	1.7	2.8	150	300	565	38°	.30	.25	.22
351-3250	G	Yellow	Water Clear	1.7	2.8	150	300	585	38°	.30	.25	.22
351-3310	G	Blue	Water Clear	3.5	4.0	450	1000	470	30°	1.50	1.25	1.00
351-3312	G	White	Water Clear	3.5	4.0	450	900	470	30°	1.70	1.45	1.25
351-3314	G	Violet	Water Clear	3.0	4.0	65	110	400	30°	1.65	1.30	1.05
351-3316	G	Green	Water Clear	3.5	4.0	500	900	518	30°	1.65	1.30	1.05

T-1 3/4 Standard Size (5mm) • Reverse current: 100μA • Reverse voltage: 5V max.

351-5111	H	Red	Diffused	1.5	2.4	120	200	660	44°	.30	.25	.22
351-5502	H	Green	Diffused	1.7	2.8	25	40	565	44°	.30	.25	.22
351-5302	H	Yellow	Diffused	1.7	2.8	180	300	585	44°	.30	.25	.22
351-5110	H	Red	Transparent	1.5	2.4	600	1000	660	20°	.30	.25	.22
351-5501	H	Green	Transparent	1.7	2.8	180	300	565	20°	.30	.25	.22
351-5301	H	Yellow	Transparent	1.7	2.8	150	250	585	20°	.30	.25	.22
351-5100	H	Red	Water Clear	1.5	2.4	550	1000	660	20°	.24	.20	.18
351-5200	H	Red	Water Clear	1.5	2.4	1100	2000	660	20°	.77	.64	.58
351-5500	H	Green	Water Clear	1.7	2.8	300	500	565	20°	.24	.20	.18
351-5300	H	Yellow	Water Clear	1.7	2.8	160	300	585	20°	.24	.20	.18

BLINKING LEDS

Ta = 25°C Test Condition @ 5V (Typical Characteristics)

351-8001	I	Red	Red Diff	3.0	15	1.5	2.0	697	16°	1.17	.99	.79

LED INDICATORS

Standard T-1 (3mm) LED Indicator Assembly

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Lens	Mtg. Hole (In.)	Forward Voltage	Price Each 1	Price Each 10	Price Each 100	Price Each 500
35CA001	J	Red	Diffused	.23	2.0V	.88	.66	.61	.55

Standard T-1 3/4 (5mm) LED Indicator Assembly w/Chrome Bezel

* Dropping resistor included

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Lens	Mtg. Hole (In.)	Forward Voltage	Price Each 1	Price Each 10	Price Each 100	Price Each 500
35CA004	K	Red	Water Clr	.335	2.0V	1.19	.90	.81	.74
35CA005	K	Green	Water Clr	.335	2.0V	1.19	.90	.81	.74
35CA006	K	Yellow	Water Clr	.335	2.0V	1.19	.90	.81	.74
35CA007	K	Red	Red Diff	.335	2.0V	1.19	.90	.81	.74
35CA008	K	Green	Green Diff	.335	2.0V	1.19	.90	.81	.74
35CA009	K	Yellow	Yellow Diff	.335	2.0V	1.19	.90	.81	.74
*35CA003	L	Red	Red Diff	.335	12.0V	1.36	1.04	.95	.86

Chasis Mount T-1 3/4 LED Bezel

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Bezel Color	Mtg. Hole (In.)	Description	Price Each 1	Price Each 10	Price Each 100	Price Each 500
351-1000	M	Black	5/16	For mounting	1.10	.85	.77	.70
351-1001	M	Chrome	5/16	T-1 3/4 size LEDs	.96	.74	.67	.61

LED Panel Mounting Clips

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Size	Description	Price Each 1	Price Each 100	Price Each 500	Price Each 1000
351-0001	N	Black	T-1	One piece	.15	.10	.09	.07
351-0002	O	Black	T-1 3/4	Two piece	.15	.10	.09	.07
351-0003	P	Black	T-1 3/4	One piece	.13	.07	.06	.045

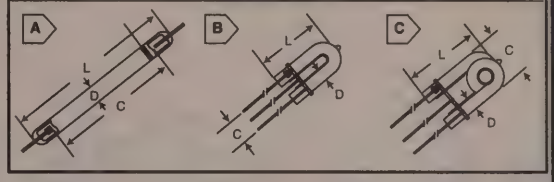
XICON Lamps, Flash Tubes, and Transformers

XICON FLASH TUBES

For quantities of 500 or more, call for quote.

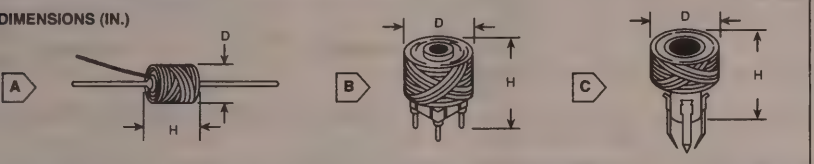
MOUSER STOCK NO.	Fig.	Type	Dimensions (In.) L	D	C	Nominal Anode Voltage	Min. Trigger Voltage	Flash Energy (WS)	Life Flashes	Price Each 1	10	100
36FT050	A	FT-4050	1.97	.16	1.38	360	4KV	60	5,000	3.50	2.90	2.65
36FT106	B	FT6531	1.50	.24	.53	300	6KV	60	10,000	3.70	3.10	2.80
361-4425	B	U-4425	1.26	.24	.39	300	4KV	4	1,000,000	5.85	5.32	4.84
361-8538	B	U-8538	1.77	.31	.67	400	6KV	100	10,000	6.92	6.29	5.72
361-0118	C	FT-118	1.77	.24	1.02	450	6KV	25	300,000	12.25	11.13	10.12
361-0218	C	FT-218	2.16	.31	1.30	450	6KV	30	300,000	15.17	13.79	12.54

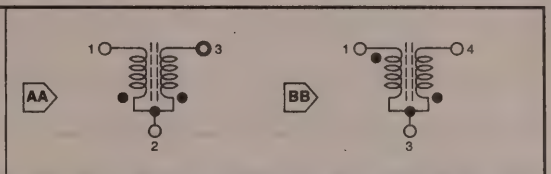
DIMENSIONS (IN.)



XICON H/V TRIGGER TRANSFORMERS

DIMENSIONS (IN.)





See capacitor section of this catalog for related products — For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Schematic	Volts Input	Volts Output	Dimensions (In.) H	D	Price Each 1	10	100	500
422-1304	A	AA	300	4000	.60	.35	2.06	1.75	1.58	1.44
422-2304	B	BB	300	4000	.63	.50	2.79	2.45	2.23	2.02

• See capacitor section of this catalog for related products — For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Schematic	Volts Input	Volts Output	Dimensions (In.) H	D	Price Each 1	10	100	500
422-3306	C	BB	300	6000	.75	.60	2.79	2.45	2.23	2.02
422-2310	B	BB	300	10000	.75	.85	2.74	2.51	2.27	2.08

XICON LED INDICATORS

Chassis Mount T-1 3/4 LED Bezel

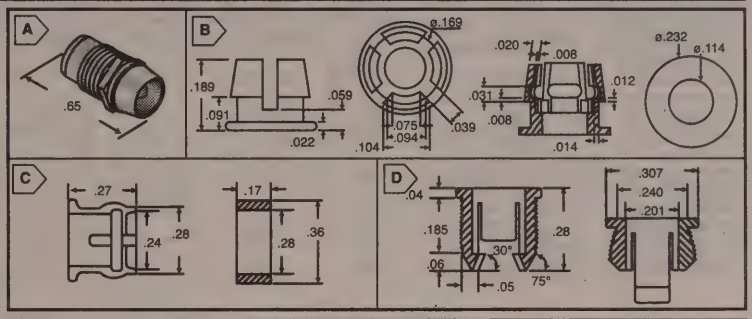
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Bezel Color	Mtg. Hole (In.)	Description	Price Each 1	10	100	500
51-1000	A	Black	5/16	For mounting	1.10	.85	.77	.70
51-1001	A	Chrome	5/16	T-1 3/4 size LEDs	1.39	1.05	.95	.86

LED Panel Mounting Clips

For quantities of 2000 and up, call for quote.

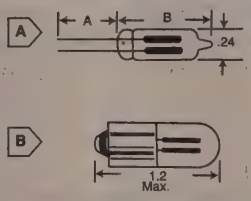
MOUSER STOCK NO.	Fig.	Color	Size	Description	Price Each 1	100	500	1000
51-0001	B	Black	T-1	One piece	.15	.10	.09	.07
51-0002	C	Black	T-1 3/4	Two piece	.15	.10	.09	.07
51-0003	D	black	T-1 3/4	One piece	.13	.07	.06	.045



XICON NEON LAMPS

DIMENSIONS (IN.)

Neon lamps are used for indicators and circuit control applications ideal for line-voltage AC and 90V and up DC applications



High Brightness

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Breakdown Voltage (max.) AC/DC	Nominal Current (mA)	Nominal Watts (W)	Dimensions (In.) A	B	Price Each 1	10	100
36NE004	A	A1C	95/135	1.2	1/7	1.18	.47	.28	.22	.18
36NE005	A	NE-2H	95/135	1.2	1/7	1.18	.63	.29	.25	.20

Standard

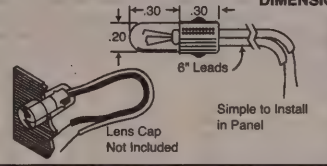
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Breakdown Voltage (max.) AC/DC	Nominal Current (mA)	Nominal Watts (W)	Dimensions (In.) A	B	Price Each 1	10	100
36NE006	A	A1B	65/90	.3	1/25	1.18	.47	.23	.18	.15
36NE007	A	NE-2E	65/90	.3	1/25	1.18	.63	.24	.20	.16
36NE002	A	NE-2	65/90	.5	1/25	1.18	.68	.23	.18	.15
36NE003	A	NE2B	65/90	.5	1/25	1.18	.47	.23	.18	.15
36NE051	B	NE-51	45/85	.3	1/25	- - -	- - -	1.96	1.64	1.49

XICON LOW-COST INDICATOR SYSTEMS

Wire color indicates volt/amp rating. Mates with lens cap at below.

DIMENSIONS (IN.)

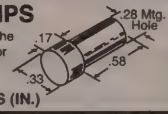


For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Wire Color	Volts	Amps	Price Each 1	10	100	500
35LS026	Green	2	.060	.49	.37	.32	.30
35LS065	White	6	.050	.49	.37	.32	.30
35LS102	Red	10	.020	.49	.37	.32	.30
35LS124	Blue	12	.035	.49	.37	.32	.30
35LS126	Yellow	12	.060	.49	.37	.32	.30
35LS284	Orange	28	.040	.49	.37	.32	.30

XICON ROUND PLASTIC LENS CAPS FOR INSTALLATION OVER MINIATURE LAMPS

These plastic lens caps are combined with the miniature lamps, at the left, to make indicator lights. Tapered for quick, easy press-fit installation. Use NE-2 lamps or T-1 3/4 lamps.



DIMENSIONS (IN.)

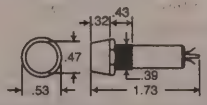
For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Cap Color	Price Each 1	10	100	500
35LT001	Red	.17	.09	.078	.071
35LT002	Green	.17	.09	.078	.071
35LT003	White	.17	.09	.078	.071

XICON 110 VAC NEON INDICATOR

- Sealed plastic neon indicator with internal dropping resistor
- Chrome-plated facing nut

DIMENSIONS (IN.)



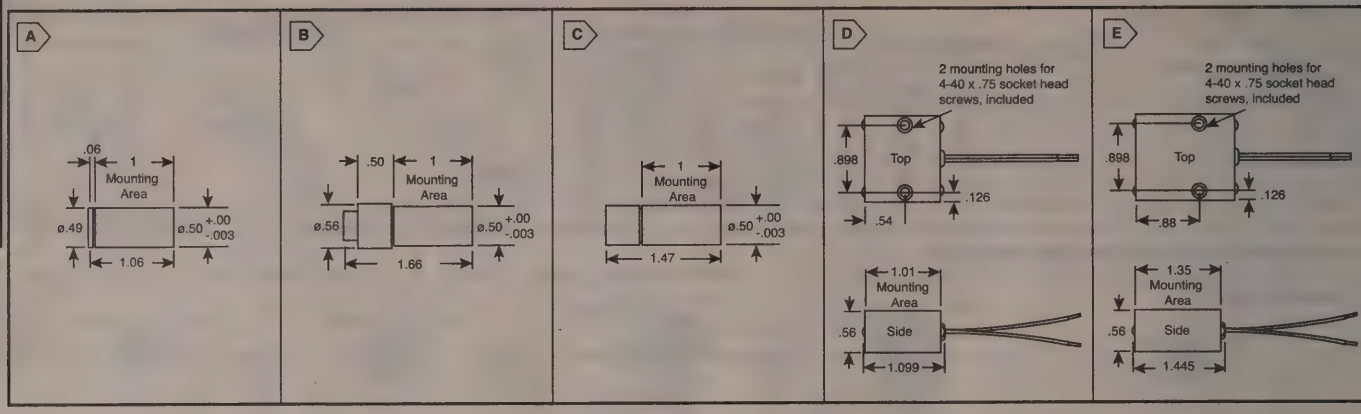
MOUSER STOCK NO.	Lens Color	Price Each 1	10	100
36HN010	Red	1.82	1.51	1.38
36HN012	Amber	1.82	1.51	1.38
361-7671	Red	1.71	1.42	1.30
361-7672	Amber	1.71	1.42	1.30
361-7673	Green	1.71	1.42	1.30

XICON LAMP SOCKETS

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Type	Price Each 1	10	100
5LH002	A	T-3 1/4 screw-mini, non-insulated	.66	.51	.46
5LH003	B	T-3 1/4 bayonet-mini, insulated	1.39	1.15	1.05
5LH004	C	T-3 1/4 bayonet-mini, non-insulated	1.39	1.15	1.05
5LH005	D	T-3 1/4 bayonet-mini, insulated	1.39	1.15	1.05
5LH006	E	T-3 1/4 bayonet-mini, insulated	2.15	1.70	1.52
5LH007	F	T-3 1/4 bayonet-mini, insulated	1.42	1.18	1.08
5LH008	G	T-3 1/4 bayonet-mini, insulated	1.22	1.02	.93
5LH010	H	T-3 1/4 screw-mini, insulated	.54	.42	.38
5LH011	I	T-3 1/4 bayonet-mini, insulated	1.39	1.15	1.05
52-0100	J	T-1 3/4 midget screw, insulated	1.26	1.05	.95
52-0101	K	Red plastic lens for part no. 352-0100	.40	.27	.25
52-0102	K	Green plastic lens for part no. 352-0100	.40	.27	.25
52-0103	K	Clear plastic lens for part no. 352-0100	.40	.27	.25
52-0104	K	Orange plastic lens for part no. 352-0100	.40	.27	.25

DLC Diode Laser Modules



DLC STANDARD LASER MODULES

- Voltage Required: 5.0VDC (regulated)
- Wire Leads: 7in. long; (+) red, (-) black
- Line Width: 1mm (nominal)
- Emissions Indicator: Green LED
- Internal Electronics: Static, Surge and Reverse Polarity Protected
- Mechanical Axis Alignment to Optic Axis: 1/4 degree (1/2 angle)
- Anodized Aircraft Aluminum
- Warranty: Limited 2 year

MOUSER STOCK NO.	DLC Part No.	Fig.	Wavelength (nm)	1/2 Angle Beam Divergence (mrad)	Output Power (mW)	Laser Class	Typical Operating Curr. (mA)	Max. Operating Curr. (mA)	Beam Size @ Exit Aperture	Price Each 1	Price Each 5
Elliptical Beams											
543-FA5-RS3-10	FA5-RS3-10	A	635	.67 x .17	0.97	II	55	85	5.0mm x 1.2mm	169.00	156.94
543-FA5-RS3-50	FA5-RS3-50	A	635	.67 x .17	4.2	IIIa	60	90	5.0mm x 1.2mm	169.00	156.94
543-FA5-RS3-80	FA5-RS3-80	A	635	.67 x .17	8.2	IIIb	65	95	5.0mm x 1.2mm	238.00	222.11
543-FA5-RS3-H0	FA5-RS3-H0	A	635	.67 x .17	12.4	IIIb	80	110	5.0mm x 1.2mm	391.00	364.42
543-FA5-RS5-10	FA5-RS5-10	A	650	.67 x .17	0.97	II	35	65	5.0mm x 1.2mm	114.00	106.40
543-FA5-RS5-50	FA5-RS5-50	A	650	.67 x .17	4.2	IIIa	40	70	5.0mm x 1.2mm	114.00	106.40
Round Beams											
543-FA5-RS3-1R	FA5-RS3-1R	B	635	0.25	0.97	II	55	85	3.0mm	189.00	175.56
543-FA5-RS3-8R	FA5-RS3-8R	B	635	0.25	2.1	IIIa	65	95	3.0mm	258.00	240.73
543-FA5-RS3-HR	FA5-RS3-HR	B	635	0.25	3.1	IIIa	75	110	3.0mm	411.00	383.04
543-FA5-RS5-1R	FA5-RS5-1R	B	650	0.25	0.97	II	40	70	3.0mm	134.00	125.02

Line Generators

MOUSER STOCK NO.	DLC Part No.	Fig.	Wavelength (nm)	(Line Thickness) 1/2 Angle Beam	Power Rating (mW)	Laser Class	Typical Operating Curr. (mA)	Max. Operating Curr. (mA)	Full Fan Angle	Price Each 1	Price Each 5
543-FA5-RL3-11	FA5-RL3-11	C	635	0.39	5	II	55	85	10°	199.00	184.87
543-FA5-RL3-14	FA5-RL3-14	C	635	0.39	5	II	55	85	45°	199.00	184.87
543-FA5-RL3-16	FA5-RL3-16	C	635	0.39	5	II	55	85	60°	199.00	184.87
543-FA5-RL3-19	FA5-RL3-19	C	635	0.39	5	II	55	85	90°	199.00	184.87
543-FA5-RL5-11	FA5-RL5-11	C	650	0.39	5	II	40	70	10°	156.00	144.97
543-FA5-RL5-14	FA5-RL5-14	C	650	0.39	5	II	40	70	45°	156.00	144.97
543-FA5-RL5-16	FA5-RL5-16	C	650	0.39	5	II	40	70	60°	156.00	144.97
543-FA5-RL5-19	FA5-RL5-19	C	650	0.39	5	II	40	70	90°	156.00	144.97

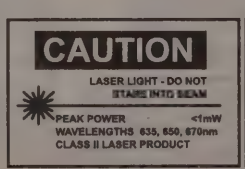
DLC CROSS HAIR GENERATOR MODULES

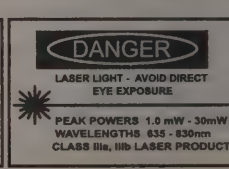
- Voltage Required: 5.0VDC (regulated)
- Line Width (nominal)
  Standard Unit: 1mm (to 4' distance)
  Long Range Unit: 1mm (to 15' distance)
- Emissions Indicator: Red LED
- Internal Electronics: Static, Surge and Reverse Polarity Protected
- Wire Leads: 7in. long, (+) red, (-) black
- Anodized Aircraft Aluminum
- Warranty: Limited 2 year

MOUSER STOCK NO.	DLC Part No.	Fig.	Wavelength (nm)	(Line Thickness) 1/2 Angle Beam	Power Rating (mW)	Laser Class	Typical Operating Curr. (mA)	Max. Operating Curr. (mA)	Full Fan Angle	Price Each 1	Price Each 5
Standard Distance											
543-FAY-CH3-16	FAY-CH3-16	D	635	0.39	5 x 2	II	120	170	60°	451.56	429.30
543-FAY-CH3-19	FAY-CH3-19	D	635	0.39	5 x 2	II	120	170	90°	451.56	429.30
543-FAY-CH5-16	FAY-CH5-16	D	650	0.39	5 x 2	II	80	140	60°	337.96	321.30
543-FAY-CH5-19	FAY-CH5-19	D	650	0.39	5 x 2	II	80	140	90°	337.96	321.30
Long Range Distance											
543-FAY-PC3-14	FAY-PC3-14	E	635	0.13	5 x 2	II	120	190	45°	439.00	408.31

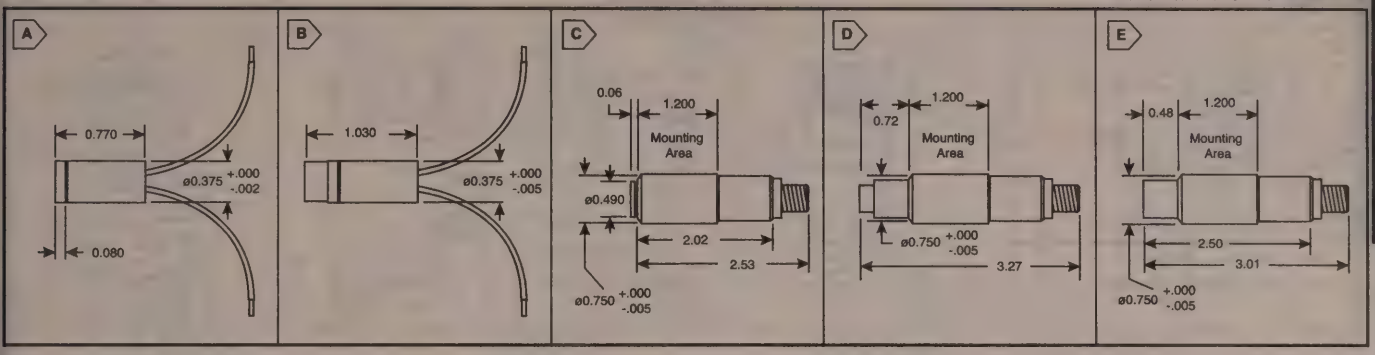
ACCESSORIES

MOUSER STOCK NO.	DLC Part No.	Description	Price Each 1	Price Each 5
543-FAY-LMT-38	FAY-LMT-38	0.375" Laser Mount (Mini Module)	33.95	31.92
543-FAY-LMT-50	FAY-LMT-50	0.5" Laser Mount (Standard Module)	36.78	34.58
543-FAY-LMT-75	FAY-LMT-75	0.75" Laser Mount (Industrial Module)	45.65	42.56
543-CLB-RKT-50	CLB-RKT-50	Industrial Cable, 5 Meter	17.50	15.96




DANGER
LASER LIGHT - AVOID DIRECT EYE EXPOSURE
PEAK POWERS 1.0 mW - 30mW
WAVELENGTHS 635 - 830nm
CLASS IIIa, IIIb LASER PRODUCT

DLC Diode Laser Modules



DLC MINI DIODE LASER MODULES

- Voltage Required: 5.0VDC (regulated)
- Line Width: 1mm (nominal)
- Emissions Indicator: Red LED
- Internal Electronics: Static, Surge and Reverse Polarity Protected
- Hard Coat Anodization
- Warranty: Limited 2 year

Mini Spot Modules, 0.375 Inch Diameter

MOUSER STOCK NO.	DLC Part No.	Fig.	Wavelength (nm)	1/2 Angle Beam Divergence (mrad)	Output Power (mW)	Laser Class	Typical Operating Curr. (mA)	Max. Operating Curr. (mA)	Beam Size @ Exit Aperture	Price Each 1	Price Each 5
543-FAY-MS3-10	FAY-MS3-10	A	635	.67 x .17	0.97	II	40	70	5.0mm x 1.2mm	138.00	129.01
543-FAY-MS3-50	FAY-MS3-50	A	635	.67 x .17	4.2	IIIa	45	75	5.0mm x 1.2mm	138.00	129.01
543-FAY-MS5-10	FAY-MS5-10	A	650	.67 x .17	0.97	II	35	65	5.0mm x 1.2mm	133.00	123.69
543-FAY-MS5-50	FAY-MS5-50	A	650	.67 x .17	4.2	IIIa	35	65	5.0mm x 1.2mm	133.00	123.69

Mini Line Generator Modules, 0.375 Inch Diameter

MOUSER STOCK NO.	DLC Part No.	Fig.	Wavelength (nm)	(Line Thickness) 1/2 Angle Beam	Power Rating (mW)	Laser Class	Typical Operating Curr. (mA)	Max. Operating Curr. (mA)	Full Fan Angle	Price Each 1	Price Each 5
543-FAY-ML3-16	FAY-ML3-16	B	635	0.39	5	II	45	75	60°	178.00	166.25
543-FAY-ML3-19	FAY-ML3-19	B	635	0.39	5	II	45	75	90°	178.00	166.25
543-FAY-ML5-16	FAY-ML5-16	B	650	0.39	5	II	40	70	60°	173.00	160.93
543-FAY-ML5-19	FAY-ML5-19	B	650	0.39	5	II	40	70	90°	173.00	160.93

DLC INDUSTRIAL MODULES

- Voltage Required: 5.0VDC (regulated)
- Line Width: 1mm (nominal)
- Emissions Indicator: Red LED
- Hard Coat Anodization
- Internal Electronics: Static, Surge and Reverse Polarity Protected
- Scratch Resistant Sappire Window
- Warranty: Limited 2 year

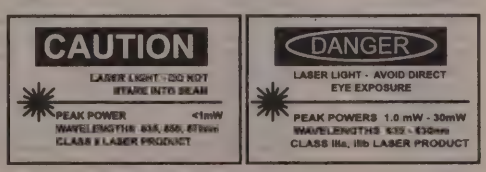
MOUSER STOCK NO.	DLC Part No.	Fig.	Wavelength (nm)	1/2 Angle Beam Divergence (mrad)	Output Power (mW)	Laser Class	Typical Operating Curr. (mA)	Max. Operating Curr. (mA)	Beam Size @ Exit Aperture	Price Each 1	Price Each 5
Elliptical Spot Size = 5.0mm x 1.2mm											
543-FAY-IS3-10	FAY-IS3-10	C	635	.67 x .17	0.97	II	55	85	5.0mm x 1.2mm	224.00	208.81
543-FAY-IS3-50	FAY-IS3-50	C	635	.67 x .17	4.2	IIIa	60	90	5.0mm x 1.2mm	224.00	208.81
543-FAY-IS3-80	FAY-IS3-80	C	635	.67 x .17	8.2	IIIb	70	100	5.0mm x 1.2mm	293.00	272.65
543-FAY-IS3-H0	FAY-IS3-H0	C	635	.67 x .17	12.4	IIIb	80	110	5.0mm x 1.2mm	445.00	414.96
543-FAY-IS5-10	FAY-IS5-10	C	650	.67 x .17	0.97	II	35	65	5.0mm x 1.2mm	168.00	156.94
543-FAY-IS5-50	FAY-IS5-50	C	650	.67 x .17	4.2	IIIa	40	70	5.0mm x 1.2mm	168.00	156.94
Round Spot Size = 3.0mm											
543-FAY-IS3-1R	FAY-IS3-1R	D	635	0.25	0.97	II	60	90	3.0mm	269.00	250.04
543-FAY-IS3-8R	FAY-IS3-8R	D	635	0.25	2.1	IIIa	70	100	3.0mm	313.00	291.27
543-FAY-IS3-HR	FAY-IS3-HR	D	635	0.25	3.1	IIIa	80	110	3.0mm	465.00	433.58
543-FAY-IS5-1R	FAY-IS5-1R	D	650	0.25	0.97	II	40	70	3.0mm	188.00	175.56

Line Generators

MOUSER STOCK NO.	DLC Part No.	Fig.	Wavelength (nm)	(Line Thickness) 1/2 Angle Beam	Power Rating (mW)	Laser Class	Typical Operating Curr. (mA)	Max. Operating Curr. (mA)	Full Fan Angle	Price Each 1	Price Each 5
543-FAY-IL3-11	FAY-IL3-11	E	635	0.39	5	II	60	90	10°	266.00	247.38
543-FAY-IL3-14	FAY-IL3-14	E	635	0.39	5	II	60	90	45°	266.00	247.38
543-FAY-IL3-16	FAY-IL3-16	E	635	0.39	5	II	60	90	60°	266.00	247.38
543-FAY-IL3-19	FAY-IL3-19	E	635	0.39	5	II	60	90	90°	266.00	247.38
543-FAY-IL3-86	FAY-IL3-86	E	635	0.39	10	II	70	100	60°	336.00	312.55
543-FAY-IL3-89	FAY-IL3-89	E	635	0.39	10	II	70	100	90°	336.00	312.55
543-FAY-IL3-H6	FAY-IL3-H6	E	635	0.39	15	II	80	110	60°	499.00	464.17
543-FAY-IL3-H9	FAY-IL3-H9	E	635	0.39	15	II	80	110	90°	499.00	464.17
543-FAY-IL5-11	FAY-IL5-11	E	650	0.39	5	II	40	70	10°	211.00	196.84
543-FAY-IL5-14	FAY-IL5-14	E	650	0.39	5	II	40	70	45°	211.00	196.84
543-FAY-IL5-16	FAY-IL5-16	E	650	0.39	5	II	40	70	60°	211.00	196.84
543-FAY-IL5-19	FAY-IL5-19	E	650	0.39	5	II	40	70	90°	211.00	196.84

ACCESSORIES

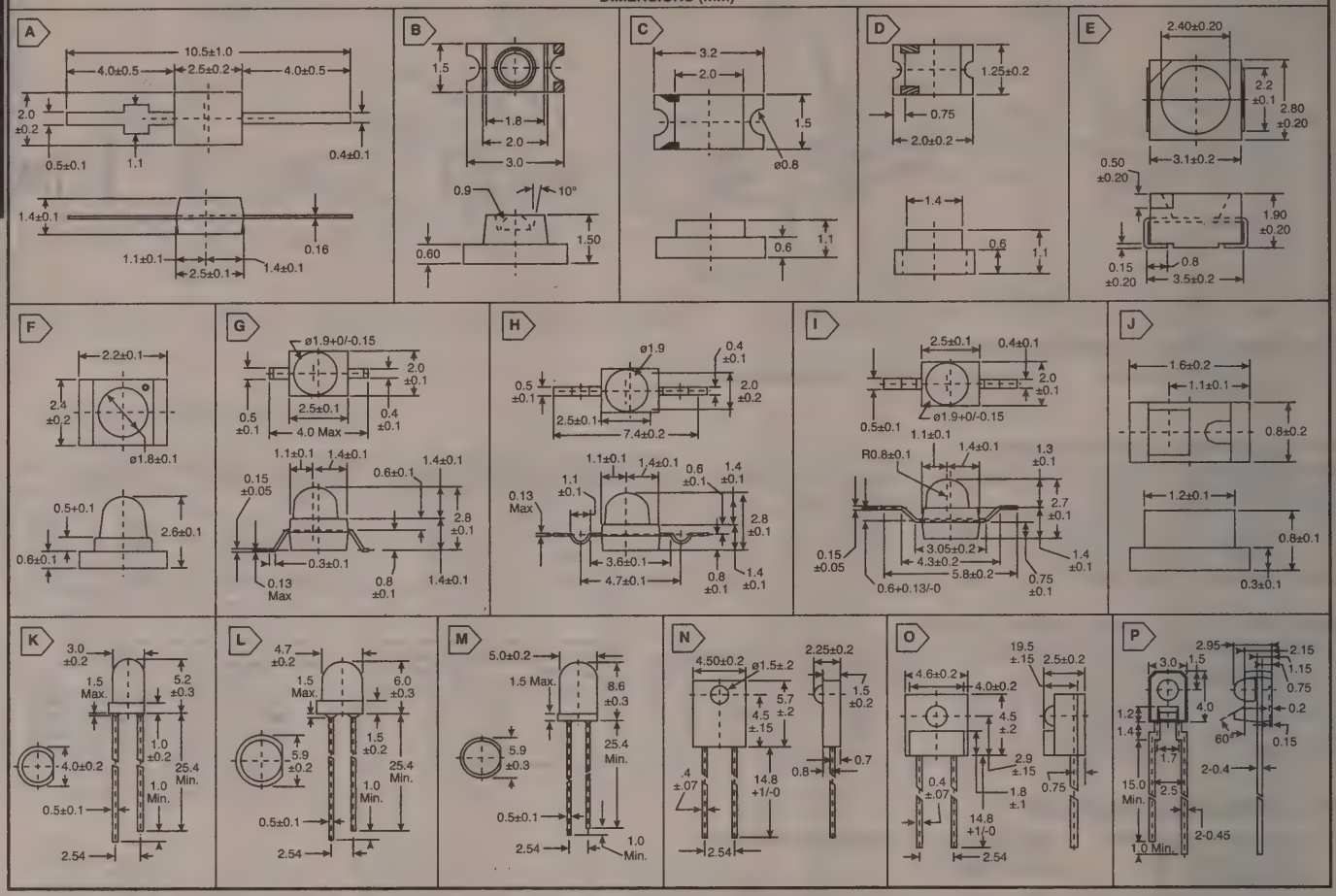
MOUSER STOCK NO.	DLC Part No.	Description	Price Each 1	Price Each 5
543-FAY-LMT-38	FAY-LMT-38	0.375" Laser Mount (Mini Module)	33.95	31.92
543-FAY-LMT-50	FAY-LMT-50	0.5" Laser Mount (Standard Module)	36.78	34.58
543-FAY-LMT-75	FAY-LMT-75	0.75" Laser Mount (Industrial Module)	45.65	42.56
543-CLB-RKT-50	CLB-RKT-50	Industrial Cable, 5 Meter	17.50	15.96


CAUTION
LASER LIGHT - DO NOT STARE INTO BEAM
PEAK POWER <1mW
CLASS II LASER PRODUCT
DANGER
LASER LIGHT - AVOID DIRECT EYE EXPOSURE
PEAK POWERS 1.0 mW - 30mW
CLASS IIIa, IIIb LASER PRODUCT

EVERLIGHT Opto Components

EVERLIGHT

DIMENSIONS (mm)



CONSTANT VOLTAGE DIODES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Lens Color	Reverse Current	V_F (V)			Price Each			
						Min.	Typ.	Max.	1	100	500	1000
638-28-21/03/F5	EL-28-21/03/F5	A	1.3mm Sub, Axial Flat Top	Black Diffused	10μA	1.45	1.5	1.6	.11	.09	.07	.06
638-28-21/04/F5	EL-28-21/04/F5	A	1.3mm Sub, Axial Flat Top	Black Diffused	10μA	1.45	1.5	1.64	.09	.07	.06	.05
638-28-21/2	EL-28-21/2	A	1.3mm Sub, Axial Flat Top	Black Diffused	10μA	1.25	1.35	1.5	.19	.15	.12	.10

INFRARED EMITTING DIODES (SURFACE MOUNT)

For quantities of 2000 and up, call for quote.

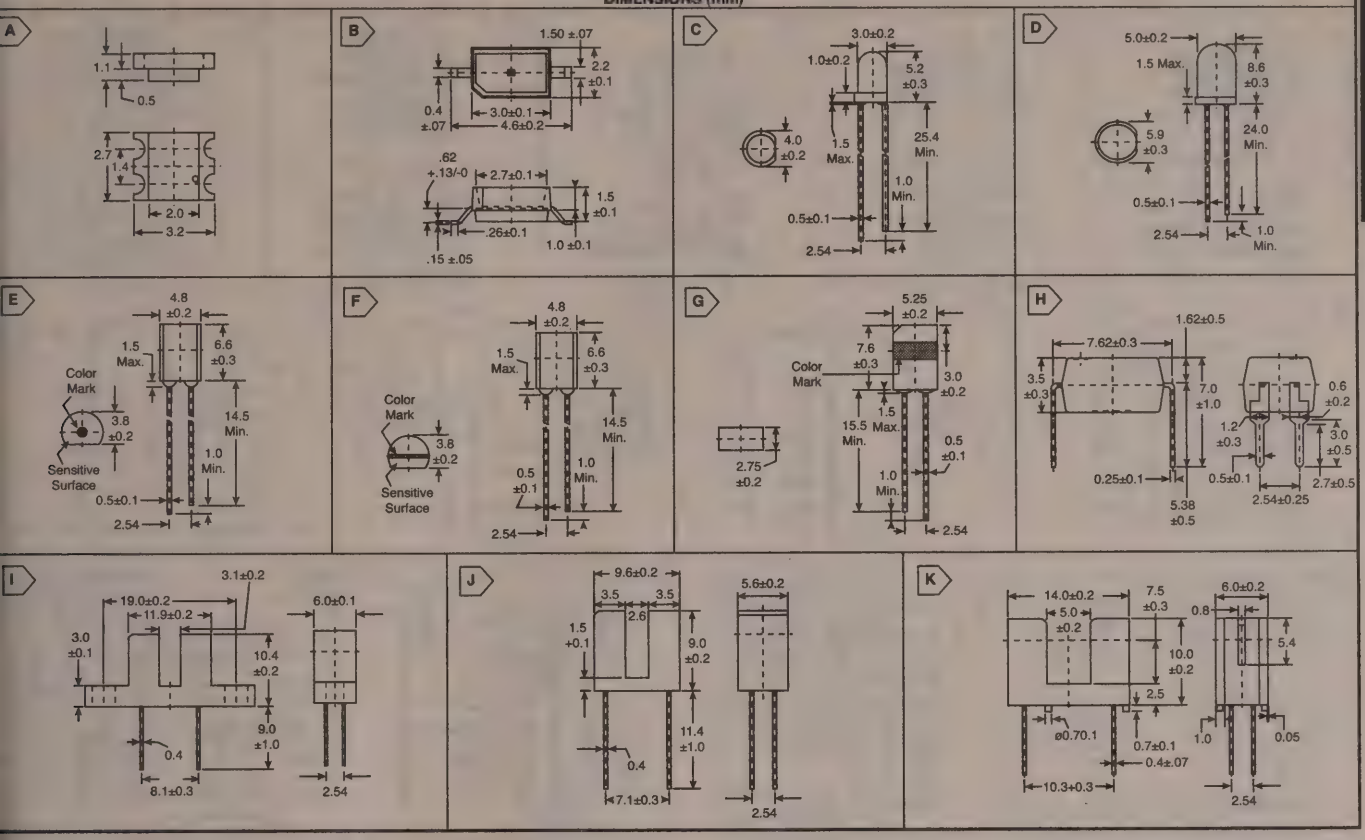
MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Wavelength (nm)	Lens Color	V_F (V)		Power (mW/sr)		Beam Angle	Price Each			
						Typ.	Max.	@ I_F=mA	Min.		1	100	500	1000
638-IR11-21C	EL-IR11-21C	B	1206 Chip LED	940	Water Clear	1.2	1.5	20	0.5	100°	.28	.22	.18	.15
638-IR15-21C/L10	EL-IR15-21C/L10	C	1206 Chip LED	940	Water Clear	1.2	1.5	20	0.2	160°	.25	.20	.17	.14
638-IR17-21C	EL-IR17-21C	D	0805 Chip LED	940	Water Clear	1.2	1.5	20	0.2	120°	.28	.22	.18	.15
638-IR67-21C	EL-IR67-21C	E	Top LED	940	Water Clear	1.2	1.5	20	1.0	120°	.33	.26	.22	.18
638-IR42-21C	EL-IR42-21C	F	1.8mm Round Sub	940	Water Clear	1.2	1.5	20	1.0	30°	.39	.31	.26	.21
638-IR91-21C/F7	EL-IR91-21C/F7	G	1.9mm Round Sub	940	Water Clear	1.2	1.5	20	3.0	25°	.33	.26	.22	.18
638-IR91-21C/F9	EL-IR91-21C/F9	H	1.9mm Round Sub	940	Water Clear	1.2	1.5	20	3.0	25°	.35	.28	.23	.19
638-IR91-21C/F10	EL-IR91-21C/F10	I	1.9mm Round Sub	940	Water Clear	1.2	1.5	20	3.0	25°	.31	.25	.20	.17
638-HIR19-21C/L11	EL-HIR19-21C/L11	J	.8mm Height Flat Top	850	Water Clear	1.45	1.65	20	0.2	145°	.65	.52	.43	.35

INFRARED EMITTING DIODES (THRU-HOLE)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Wavelength (nm)	Lens Color	V_F (V)		Power (mW/sr)		Beam Angle	Price Each			
						Typ.	Max.	@ I_F=mA	Min.		1	100	500	1000
638-IR204-A	EL-IR204-A	K	3mm Round	940	Blue	1.2	1.5	20	4.0	35°	.12	.10	.08	.07
638-IR204/H16/L10	EL-IR204/H16/L10	K	3mm Round	940	Blue	1.2	1.5	20	2.8	50°	.12	.10	.08	.07
638-SIR204-A	EL-SIR204-A	K	3mm Round	875	Blue	1.3	1.6	20	4.0	30°	.21	.17	.14	.11
638-HIR204	EL-HIR204	K	3mm Round	850	Yellow	1.45	1.65	20	7.8	25°	.55	.44	.36	.30
638-HIR204/H0	EL-HIR204/H0	K	3mm Round	850	Yellow	1.45	1.65	20	4.0	40°	.74	.60	.49	.40
638-IR323	EL-IR323	L	5mm Round, low profile	940	Blue	1.2	1.5	20	4.0	30°	.16	.12	.10	.08
638-IR323/H0-A	EL-IR323/H0-A	L	5mm Round, low profile	940	Blue	1.2	1.5	20	2.8	60°	.15	.12	.10	.08
638-SIR323-5	EL-SIR323-5	L	5mm Round, low profile	875	Blue	1.3	1.6	20	4.0	35°	.21	.17	.14	.12
638-IR333-A	EL-IR333-A	M	5mm Round	940	Blue	1.2	1.5	20	7.8	20°	.13	.10	.08	.07
638-SIR333-A	EL-SIR333-A	M	5mm Round	875	Blue	1.3	1.6	20	7.8	20°	.22	.17	.14	.12
638-HIR333	EL-HIR333	M	5mm Round	850	Yellow	1.45	1.65	20	7.8	17°	.55	.44	.36	.29
638-IR908-7C	EL-IR908-7C	N	1.5mm Side Looking IRED	940	Water Clear	1.2	1.6	4	0.14	60°	.16	.13	.11	.09
638-IR928-6C	EL-IR928-6C	O	1.5mm Side Looking IRED	940	Water Clear	1.2	1.6	4	0.14	40°	.20	.16	.13	.11
638-IR958-8C	EL-IR958-8C	P	1.6mm Side Looking IRED	940	Water Clear	1.2	1.6	4	0.14	22°	.21	.17	.14	.11

DIMENSIONS (mm)



PHOTODIODES (SURFACE MOUNT)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Lens Color	Rise/Fall Time (ns)	$V_{(BR)R}$ Min. (V)	I_L		I_D Max.		Price Each			
							Ee=mW/cm²	Typ. (μA)	Ee=mW/cm²	(nA)	1	100	500	1000
638-PD15-22C	EL-PD15-22C	A	1206 Silicon PIN Photodiode	Water Clear	10/10	32	1	6.5	0	10	.40	.32	.26	.22
638-PD93-21C/TR8	EL-PD93-21C/TR8	B	Top Silicon PIN Photodiode	Water Clear	6/6	32	1	1.2	0	10	.60	.48	.40	.33

PHOTODIODES (THRU-HOLE)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Lens Color	Rise/Fall Time (ns)	$V_{(BR)R}$ Min. (V)	I_L		I_D Max.		Price Each			
							Ee=mW/cm²	Typ. (μA)	Ee=mW/cm²	(nA)	1	100	500	1000
638-PD204-6B	EL-PD204-6B	C	3mm Silicon PIN	Black	6/6	32	1	3	0	10	.37	.30	.24	.20
638-PD204-6C/L3	EL-PD204-6C/L3	C	3mm Silicon PIN	Water Clear	10/10	32	1	5	0	10	.37	.30	.24	.20
638-PD333-2C/H0L2	EL-PD333-2C/H0L2	D	5mm Silicon PIN	Water Clear	45/45	32	1	40	0	30	.30	.24	.20	.16
638-PD438B	EL-PD438B	E	4.8mm Semi-Lens Silicon PIN	Black	50/50	32	1	18	0	10	.64	.51	.42	.35
638-PD438B/L1	EL-PD438B/L1	E	4.8mm Semi-Lens Silicon PIN	Black	10/10	32	1	4	0	10	.64	.52	.43	.35
638-PD438B/S46	EL-PD438B/S46	F	4.8mm Semi-Lens Silicon PIN	Black	50/50	32	1	18	0	30	.55	.44	.37	.30
638-PD638B	EL-PD638B	G	2.75x5.25mm Silicon PIN	Black	50/50	32	1	15	0	30	.64	.51	.42	.35
638-PD638C	EL-PD638C	G	2.75x5.25mm Silicon PIN	Water Clear	50/50	32	1	18	0	30	.36	.28	.23	.19

PHOTO-COUPLERS

For quantities of 2000 and up, call for quote.

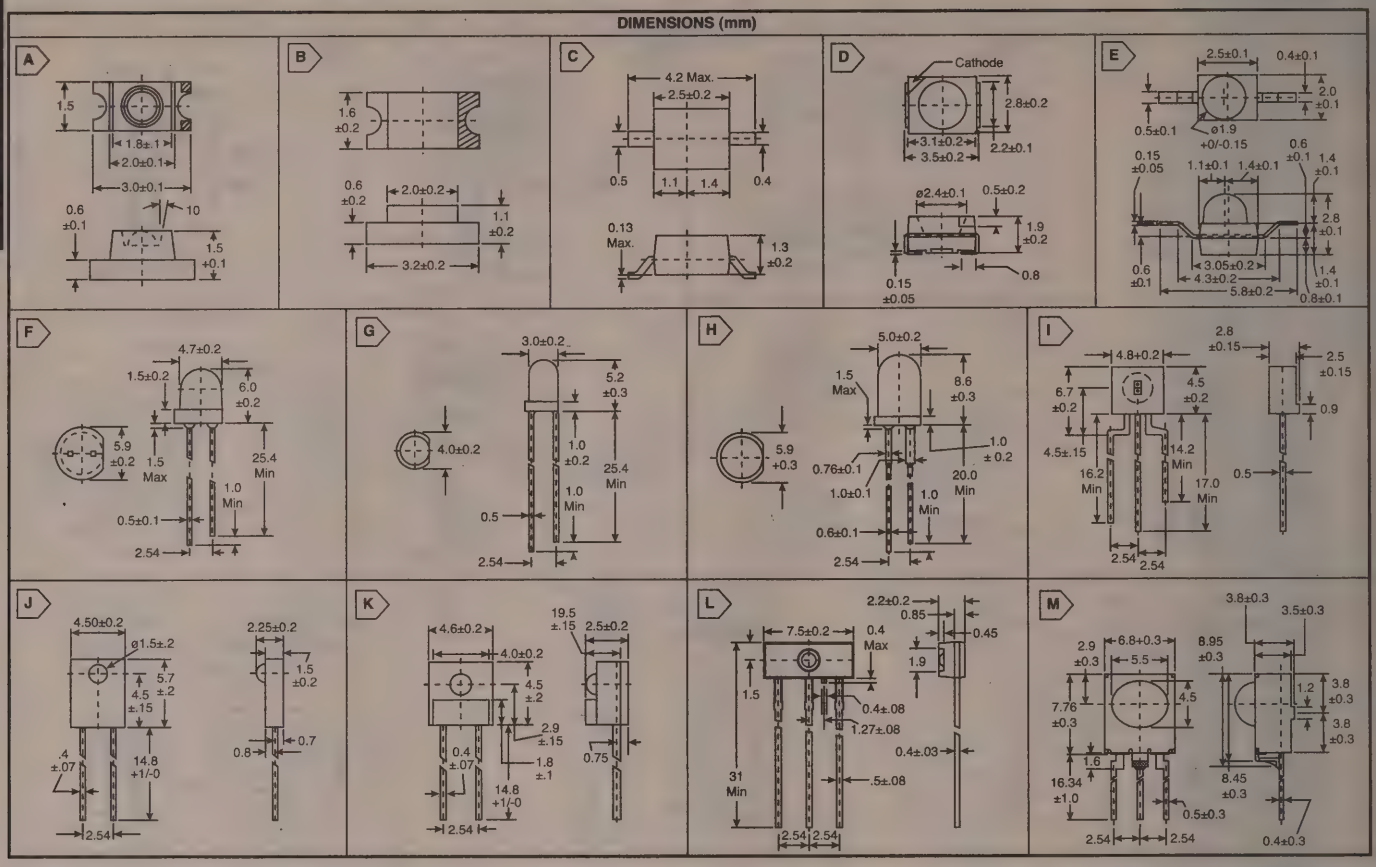
MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	VF (VO) @ I_F=mA	I_{CEO} Max (nA)	BV ceo Min (V)	Rise/Fall Times Max (us)	Isolation Volt (VRMS)	CTR %	Price Each			
										1	100	500	1000
638-815	EL815	H	DIP-4	20	1000	35	300/250	5.0kV	600~7500	.40	.32	.26	.22
638-816	EL816	H	DIP-4	20	100	80	18/18	5.0kV	50~600	.27	.22	.18	.15
638-817	EL817	H	DIP-4	20	100	35	18/18	5.0kV	50~600	.27	.22	.18	.15
638-819	EL819	H	DIP-4	20	100	35	18/18	5.0kV	50~400	.27	.22	.18	.15
638-815S	EL815S	H	SMD-4	20	1000	35	300/250	5.0kV	600~7500	.40	.32	.27	.22
638-816S	EL816S	H	SMD-4	20	100	80	18/18	5.0kV	50~600	.32	.26	.21	.17
638-817S	EL817S	H	SMD-4	20	100	35	18/18	5.0kV	50~600	.27	.22	.18	.15
638-819S	EL819S	H	SMD-4	20	100	35	18/18	5.0kV	50~400	.31	.24	.20	.17

INFRARED OPTO INTERRUPTERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	V_F (V) I_F=20mA	I_R (μA) V_R=5V	I_{CEO} (nA) V_{CE}=5V	IC (ON) (mA) V_{CE}=5V	$V_{CE(SAT)}$ (V) IC=2mA Ee=1mW/cm²	TR (μ sec) I_C=1mA, R_L=1kΩ V_{CE}=5V	Price Each			
									1	100	500	1000
638-ITR-8102	EL-ITR-8102	I	Max. 1.6	Max. 10	Max. 100	IF=20mA, Min 0.9	Max. 0.4	Typ.20	.57	.46	.38	.31
638-ITR-8105	EL-ITR-8105	J	Max. 1.6	Max. 10	Max. 100	IF=10mA, Min 1	Max. 0.4	Typ.20	.58	.46	.38	.31
638-ITR9606	EL-ITR9606	K	Max. 1.5	Max. 10	Max. 100	IF=20mA, Min 0.5	Max. 0.4	Typ.15	.56	.45	.37	.30

EVERLIGHT Opto Components



PHOTOTRANSISTORS (SURFACE MOUNT)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Lens Color	Rise/Fall Time (μs)	BV_{CEO} Min. (V)	$V_{CE\ (SAT)}$		$IC_{(ON)}$ Max		Price Each			
							Ee=mW/cm²	Max. (V)	Ee=mW/cm²	(nA)	1	100	500	1000
638-PT11-21C/L41	EL-PT11-21C/L41/TR8	A	Phototransistor	Water Clear	15/15	60	1	0.4	1	0.5	.22	.18	.15	.12
638-PT15-21B	EL-PT15-21B	B	1206 Chip Phototransistor	Black	15/15	30	1	0.4	1	0.1	.22	.18	.15	.12
638-PT15-21C	EL-PT15-21C	B	1206 Chip Phototransistor	Water Clear	15/15	30	1	0.4	1	0.1	.22	.18	.15	.12
638-PT28-21B/TR8	EL-PT28-21B/TR8	C	1.3mm Axial Flat Phototransistor	Black	15/15	30	1	0.4	1	0.1	.33	.26	.22	.18
638-PT67-21C/L41	EL-PT67-21C/L41	D	Top LED Phototransistor	Water Clear	15/15	60	1	0.4	1	0.5	.33	.26	.22	.18
638-PT91-21B/F10	EL-PT91-21B/F10	E	1.9mm Z-Bend Phototransistor	Black	15/15	30	1	0.4	1	1.0	.34	.27	.22	.18

PHOTOTRANSISTORS (THRU-HOLE)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Lens Color	Rise/Fall Time (μs)	BV_{CEO} Min. (V)	$V_{CE\ (SAT)}$		$IC_{(ON)}$ Max		Price Each			
							Ee=mW/cm²	Max. (V)	Ee=mW/cm²	(nA)	1	100	500	1000
638-PDT323B-5	EL-PDT323B-5	F	5mm Low Profile PhotoDarlington	Black	40/60	15	1	1.0	1.0	3.3	.33	.26	.22	.18
638-PT204-6B	EL-PT204-6B	G	3mm Phototransistor	Black	15/15	30	1	0.4	1.0	0.7	.16	.12	.10	.08
638-PT204-6C	EL-PT204-6C	G	3mm Phototransistor	Water Clear	15/15	30	1	0.4	1.0	0.7	.16	.13	.10	.09
638-PT331C	EL-PT331C	H	5mm Phototransistor	Water Clear	15/15	30	1	0.4	1.0	0.7	.15	.12	.10	.08
638-PT5529B/L2	EL-PT5529B/L2	I	Side Looking Dual	Black	15/15	30	1	0.4	0.555	0.129	.24	.19	.16	.13
638-PT5529B/L2/S3	EL-PT5529B/L2/S3	I	Side Looking Dual	Black	15/15	30	1	0.4	0.555	0.129	.24	.19	.16	.13
638-PT908-7B	EL-PT908-7B	J	1.5mm Side Looking	Black	15/15	30	1	0.4	0.555	0.8	.19	.15	.12	.10
638-PT908-7C	EL-PT908-7C	J	1.5mm Side Looking	Water Clear	15/15	30	1	0.4	0.555	0.8	.19	.15	.12	.10
638-PT928-6B	EL-PT928-6B	K	1.5mm Side Looking	Black	15/15	30	1	0.4	0.555	0.52	.22	.18	.15	.12
638-PT928-6C	EL-PT928-6C	K	1.5mm Side Looking	Water Clear	15/15	30	1	0.4	0.555	0.52	.22	.18	.15	.12

PHOTO LINK RECEIVING AND TRANSMITTING MODULES

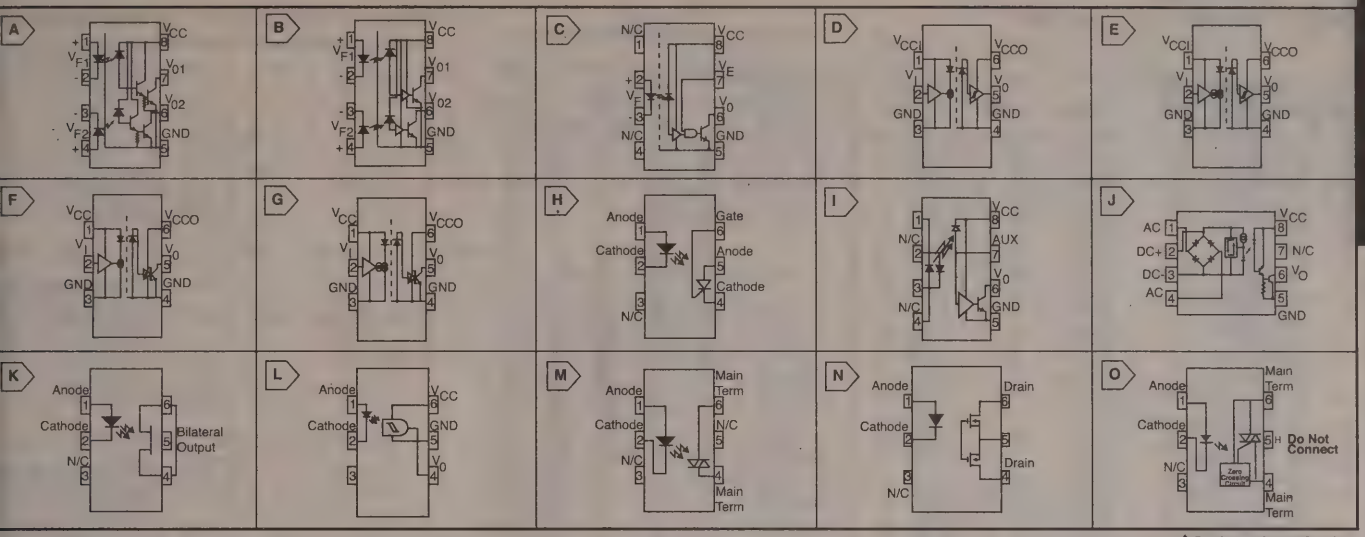
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Wavelength (nm)	Operating Voltage (Vcc)	Trans Speed (Mb/s)	Dissipation Current (mA)		Fiber Coupling Input/Output (dBm)		Price Each			
							Typ	Max.	Min.	Max	1	100	500	1000
638-PLR131	EL-PLR131	L	Receiving Unit	650	5	12.5	4	6	-24	-14	1.88	1.50	1.24	1.02
638-PLT131/6	EL-PLT131/6	L	Light Transmtting Unit	660	3-5	6	5.5	10	-21	-15	.62	.50	.41	.33
638-PLT131/8	EL-PLT131/8	L	Light Transmtting Unit	660	3-5	8	5.5	10	-21	-15	.66	.53	.44	.36
638-PLT131/12	EL-PLT131/12	L	Light Transmtting Unit	660	3-5	12	5.5	10	-21	-15	.77	.61	.51	.41

INFRARED REMOTE CONTROL RECEIVER MODULES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	B.P.F. Center Freq. (KHz)	Supply Voltage Typ. (V)	Supply Current Max. (mA)	Trans Distance Min. (m)	Angle θh(°)	Price Each			
								1	100	500	1000
638-IRM-8601S	EL-IRM-8601S	M	38	5	3	8	+/-45	1.40	1.12	.93	.76
638-IRM-8601S-1	EL-IRM-8601S-1	M	32.75	5	3	8	+/-45	1.24	.99	.82	.67
638-IRM-8601S-2	EL-IRM-8601S-2	M	36	5	3	8	+/-45	1.26	1.01	.83	.68



OPTOCOUPLER PRODUCTS

♦ Surface Mount Device
* UL Recognized

Dual Split Photo Darlington Output

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	VCC (V)	Typical Rise/Fall (μSEC)	Price Each 1	100	500
*	512—HCPL-2730	DIP-8	A	2.5kV	7	20/35	1.87	1.64	1.49
♦*	512—HCPL-2730S	SMD-8	A	2.5kV	7	20/35	1.87	1.64	1.49
*	512—HCPL-2731	DIP-8	A	2.5kV	18	2/10	2.06	1.81	1.64
♦*	512—HCPL-2731S	SMD-8	A	2.5kV	18	2/10	2.06	1.81	1.64

Dual Very High-Speed Logic Gate Output

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	VCC (V)	Typical Rise/Fall (μSEC)	Price Each 1	100	500
*	512—HCPL-2630	DIP-8	B	2.5kV	5.5	.075/.075	2.43	2.14	1.94
♦*	512—HCPL-2630S	SMD-8	B	2.5kV	5.5	.075/.075	2.43	2.14	1.94
*	512—HCPL-2631	DIP-8	B	2.5kV	5.5	.075/.075	2.69	2.36	2.14
♦*	512—HCPL-2631S	SMD-8	B	2.5kV	5.5	.075/.075	2.69	2.36	2.14

Very High-Speed Logic Gate Output

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	VCC (V)	Typical Rise/Fall (μSEC)	Price Each 1	100	500
*	512—6N137	DIP-8	C	2.5kV	5.5	.075/.075	1.41	1.21	1.01
♦*	512—HCPL0600	SMD-8	C	2.5kV	5.5	.075/.075	1.76	1.55	1.41
♦*	512—6N137S	SMD-8	C	2.5kV	5.5	.075/.075	1.41	1.21	1.01
*	512—HCPL-2601	DIP-8	C	2.5kV	5.5	.075/.075	1.24	1.09	.99
♦*	512—HCPL-2601S	SMD-8	C	2.5kV	5.5	.075/.075	1.24	1.09	.99
♦*	512—HCPL0601	SMD-8	C	2.5kV	5.5	.075/.075	1.91	1.69	1.54

High-Speed Logic-to-Logic (Optologic™)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	VOL (V)	Typical Rise/Fall (μSEC)	Price Each 1	100	500
*	512—74OL6000	DIP-6	D	5.3kV	0.6	0.1/0.1	6.00	5.00	3.57
♦*	512—74OL6000S	SMD-6	D	5.3kV	0.6	0.1/0.1	6.00	5.00	3.57
*	512—74OL6001	DIP-6	E	5.3kV	0.6	0.1/0.1	6.00	5.00	3.57
♦*	512—74OL6001S	SMD-6	E	5.3kV	0.6	0.1/0.1	6.00	5.00	3.57
*	512—74OL6010	DIP-6	F	5.3kV	0.6	0.12/0.18	6.00	5.00	3.57
♦*	512—74OL6010S	SMD-6	F	5.3kV	0.6	0.12/0.18	6.00	5.00	3.57
*	512—74OL6011	DIP-6	G	5.3kV	0.6	0.12/0.18	6.00	5.00	3.57
♦*	512—74OL6011S	SMD-6	G	5.3kV	0.6	0.12/0.18	6.00	5.00	3.57

Photo SCR Output

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	Blocking Voltage	Typical ton (μSEC)	Price Each 1	100	500
	512—4N39	DIP-6	H	5.3kV	200	1	.97	.86	.78
♦	512—4N39S	SMD-6	H	5.3kV	200	1	.97	.86	.78
	512—4N40	DIP-6	H	5.3kV	200	1	1.05	.92	.85
♦	512—4N40S	SMD-6	H	5.3kV	200	1	1.05	.92	.85
	512—H11C1	DIP-6	H	5.3kV	200	50	1.41	1.01	.81
	512—H11C3	DIP-6	H	5.3kV	200	50	1.32	.94	.75
	512—H11C4	DIP-6	H	5.3kV	400	50	1.47	1.05	.84
	512—H11C6	DIP-6	H	5.3kV	400	50	1.36	.98	.78

AC Line Monitor Logic-Out

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	BV CEO (V)	Typical Rise/Fall (μSEC)	Price Each 1	100	500
*	512—MID400	DIP-8	I	2.5kV	5.5	1.0/1.0	5.60	4.66	3.34
*	512—HCPL-3700	DIP-8	J	2.5kV	4.4	0.4	2.99	2.63	2.39

Bilateral Analog FET Output

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	VBR (V)	Typical ton/toff (μSEC)	Price Each 1	100	500
*	512—H11F1	DIP-6	K	5.3kV	30	25/25	3.26	2.33	1.86
♦*	512—H11F1S	SMD-6	K	5.3kV	30	25/25	3.26	2.33	1.86
*	512—H11F2	DIP-6	K	5.3kV	30	25/25	3.42	2.44	1.95
♦*	512—H11F2S	SMD-6	K	5.3kV	30	25/25	3.42	2.44	1.95
*	512—H11F3	DIP-6	K	5.3kV	15	25/25	2.88	2.06	1.64
♦*	512—H11F3S	SMD-6	K	5.3kV	15	25/25	2.88	2.06	1.64

Schmitt Trigger Output

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	VCC (V)	Typical ton/toff (μSEC)	Price Each 1	100	500
*	512—H11L1M	DIP-6	L	5.3kV	15	1.0/2.0	1.15	.82	.66
♦*	512—H11L1SM	SMD-6	L	5.3kV	15	1.0/2.0	1.15	.82	.66
*	512—H11L2M	DIP-6	L	5.3kV	15	1.0/2.0	1.10	.78	.63
♦*	512—H11L2SM	SMD-6	L	5.3kV	15	1.0/2.0	1.10	.78	.63
*	512—H11L3M	DIP-6	L	5.3kV	15	1.0/2.0	1.13	.81	.65
♦*	512—H11L3SM	SMD-6	L	5.3kV	15	1.0/2.0	1.13	.81	.65
*	512—H11N1M	DIP-6	L	5.3kV	15	0.3/0.3	3.75	3.07	2.73

Random Phase Triac Output

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	Blocking Voltage (V) Max	LED Trigger Current (ma) (Max)	Price Each 1	100	500
*	512—MOC3010M	DIP-6	M	5.3kV	250	15	.87	.76	.65
♦*	512—MOC3010SM	SMD-6	M	5.3kV	250	15	.87	.76	.65
*	512—MOC3011M	DIP-6	M	5.3kV	250	15	.94	.82	.70
♦*	512—MOC3011SM	SMD-6	M	5.3kV	250	10	.94	.82	.70
*	512—MOC3012M	DIP-6	M	5.3kV	250	5	.93	.82	.70
♦*	512—MOC3012SM	SMD-6	M	5.3kV	250	5	.93	.82	.70
*	512—MOC3021M	DIP-6	M	5.3kV	400	15	.94	.82	.70
♦*	512—MOC3021SM	SMD-6	M	5.3kV	400	15	.94	.82	.70
*	512—MOC3022M	DIP-6	M	5.3kV	400	10	.93	.82	.70
♦*	512—MOC3022SM	SMD-6	M	5.3kV	400	10	.93	.82	.70
*	512—MOC3023M	DIP-6	M	5.3kV	400	5	.93	.82	.70
♦*	512—MOC3023SM	SMD-6	M	5.3kV	400	5	.93	.82	.70
*	512—MOC3051M	DIP-6	M	5.3kV	600	15	1.28	1.13	.96
♦*	512—MOC3051SM	SMD-6	M	5.3kV	600	15	1.28	1.13	.96
*	512—MOC3052M	DIP-6	M	5.3kV	600	10	1.28	1.13	.96
♦*	512—MOC3052SM	SMD-6	M	5.3kV	600	10	1.28	1.13	.96

Solid State Relay

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	Blocking Voltage	On-State Resistance (Ω)	Price Each 1	100	500
*	512—HSR312	DIP-6	N	4kV	250	3	2.08	1.83	1.66
*	512—HSR312L	DIP-6	N	4kV	250	4.25	2.08	1.82	1.66
*	512—HSR412	DIP-6	N	4kV	400	7	2.13	1.87	1.70
*	512—HSR412L	DIP-6	N	4kV	400	9	2.13	1.87	1.70

Zero-Crossing Triac Output

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	Blocking Voltage (V) Max	LED Trigger Current (ma) (Min)	Price Each 1	100	500
*	512—MOC3031-M	DIP-6	O	5.3kV	250	15	1.28	1.13	.96
♦*	512—MOC3031SM	SMD-6	O	5.3kV	250	15	1.28	1.13	.96
*	512—MOC3032M	DIP-6	O	5.3kV	250	10	1.28	1.13	.96
♦*	512—MOC3032SM	SMD-6	O	5.3kV	250	10	1.28	1.13	.96
*	512—MOC3033M	DIP-6	O	5.3kV	250	5	1.28	1.13	.96
♦*	512—MOC3033SM	SMD-6	O	5.3kV	250	5	1.28	1.13	.96
*	512—MOC3041-M	DIP-6	O	5.3kV	400	15	1.28	1.13	.96
♦*	512—MOC3041SM	SMD-6	O	5.3kV	400	15	1.28	1.13	.96
*	512—MOC3042M	DIP-6	O	5.3kV	400	10	1.28	1.13	.96
♦*	512—MOC3042SM	SMD-6	O	5.3kV	400	10	1.28	1.13	.96
*	512—MOC3043M	DIP-6	O	5.3kV	400	5	1.28	1.13	.96
♦*	512—MOC3043SM	SMD-6	O	5.3kV	400	5	1.28	1.13	.96
*	512—MOC3061	DIP-6	O	5.3kV	600	15	1.24	1.09	.93
♦*	512—MOC3061S	SMD-6	O	5.3kV	600	15	1.24	1.09	.93
*	512—MOC3062	DIP-6	O	5.3kV	600	10	1.24	1.09	.93
♦*	512—MOC3062S	SMD-6	O	5.3kV	600	10	1.24	1.09	.93
*	512—MOC3063M	DIP-6	O	5.3kV	600	5	1.24	1.09	.93
♦*	512—MOC3063SM	SMD-6	O	5.3kV	600	5	1.37	1.20	1.03

FAIRCHILD Optocoupler Products

FAIRCHILD SEMICONDUCTOR

PHOTO TRANSISTOR OUTPUT

*UL Recognized
**UL Recognized & VDE Approved

♦ Surface Mount Device

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	BV CEO (V)	Typical Rise/Fall (μSEC)	Price Each 1	100	500	1000	2000
	512—4N25	DIP-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
♦	512—4N25S	SMD-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
	512—4N26	DIP-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
♦	512—4N26S	SMD-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
	512—4N27	DIP-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
♦	512—4N27S	SMD-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
	512—4N28	DIP-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
♦	512—4N28S	SMD-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
	512—4N35	DIP-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
♦	512—4N35S	SMD-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
	512—4N36	DIP-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
♦	512—4N36S	SMD-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
	512—4N37	DIP-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
♦	512—4N37S	SMD-6	A	5.3kV	30	1	.30	.26	.24	.22	.19
	512—CNY17-1	DIP-6	A	5.3kV	70	110/10	.41	.35	.28	.25	.22
**	512—CNY171300	DIP-6	A	5.3kV	70	110/10	.41	.35	.28	.25	.22
	512—CNY17-2	DIP-6	A	5.3kV	70	110/10	.41	.35	.28	.25	.22
**	512—CNY172300	DIP-6	A	5.3kV	70	110/10	.41	.35	.28	.25	.22
	512—CNY17-3	DIP-6	A	5.3kV	70	110/10	.41	.35	.28	.25	.22
**	512—CNY173300	DIP-6	A	5.3kV	70	110/10	.41	.35	.28	.25	.22
	512—CNY17-4	DIP-6	A	5.3kV	70	110/10	.41	.35	.28	.25	.22
**	512—CNY174300	DIP-6	A	5.3kV	70	110/10	.41	.35	.28	.25	.22
	512—H11A1	DIP-6	A	5.3kV	30	1	.42	.30	.24	.22	.19
**	512—H11A13	DIP-6	A	5.3kV	30	1	.42	.30	.24	.22	.19
	512—H11A2	DIP-6	A	5.3kV	30	1	.42	.30	.24	.22	.19
	512—H11A3	DIP-6	A	5.3kV	30	1	.42	.30	.24	.22	.19
	512—H11A4	DIP-6	A	5.3kV	30	1	.42	.30	.24	.22	.19
	512—H11A5	DIP-6	A	5.3kV	30	1	.42	.30	.24	.22	.19
	512—H11AA1	DIP-6	B	5.3kV	30	1	.57	.41	.32	.29	.25
	512—H11AA2	DIP-6	B	5.3kV	30	1	.62	.45	.36	.32	.28
	512—H11AA3	DIP-6	B	5.3kV	30	1	.62	.45	.36	.32	.28
	512—H11AA4	DIP-6	B	5.3kV	30	1	.68	.49	.39	.35	.30
	512—H11AG1	DIP-6	A	5.3kV	30	1	.89	.63	.51	.46	.33
♦	512—HMA121	Full Pitch MFP	A	3.75kV	80	3	.28	.25	.23	.19	.16
♦	512—HMA124	Full Pitch MFP	A	3.75kV	80	3	.28	.25	.23	.19	.16
♦	512—HMA2701	Full Pitch MFP	A	3.75kV	40	3	.28	.25	.23	.19	.16
♦	512—HMHA2801	Half Pitch MFP	A	2.5kV	80	3	.28	.25	.23	.19	.16
♦	512—HMHA281	Half Pitch MFP	A	2.5kV	80	3	.28	.25	.23	.19	.16
♦	512—HMAA2705	Full Pitch MFP	A	3.75kV	40	3	.33	.29	.26	.22	.19
♦	512—HMHAA280	Half Pitch MFP	A	2.5kV	80	3	.33	.29	.26	.22	.19
	512—MCT2	DIP-6	A	5.3kV	30	110/10	.56	.47	.33	.27	.23
	512—MCT4	TO-18	C	1.0kVDC	30	1	9.82	8.84	7.86	6.88	8.00
	512—MCT4R	TO-18	C	1.0kVDC	30	1	18.72	16.84	14.97	13.10	16.00
	512—MCT5201	DIP-6	A	5.3kV	30	30/13	1.07	.89	.64	.51	.37
	512—MCT5210	DIP-6	A	5.3kV	30	110/10	1.07	.89	.64	.51	.37
♦	512—MOC205M	SOIC-8	D	3.0kV	70	1.6/2.2	.67	.59	.50	.33	.28
♦	512—MOC206M	SOIC-8	D	3.0kV	70	1.6/2.2	.67	.59	.50	.33	.28
♦	512—MOC207M	SOIC-8	D	3.0kV	70	1.6/2.2	.67	.59	.50	.33	.28
♦	512—MOC208M	SOIC-8	D	3.0kV	70	1.6/2.2	.67	.59	.50	.33	.28
♦	512—MOC211M	SOIC-8	D	3.0kV	30	3.2/4.7	.67	.59	.50	.33	.28
♦	512—MOC212M	SOIC-8	D	3.0kV	30	3.2/4.7	.67	.59	.50	.33	.28
♦	512—MOC213M	SOIC-8	D	3.0kV	30	3.2/4.7	.67	.59	.50	.33	.28
♦	512—MOC215M	SOIC-8	D	3.0kV	30	3.2/4.7	.67	.59	.50	.33	.28
♦	512—MOC216M	SOIC-8	D	3.0kV	30	3.2/4.7	.67	.59	.50	.33	.28
♦	512—MOC217M	SOIC-8	D	3.0kV	30	3.2/4.7	.67	.59	.50	.33	.28
♦	512—MOC256M	SOIC-8	E	3.0kV	30	- / -	1.14	.99	.85	.57	.42
	512—TIL111	DIP-6	A	5.3kV	30	110/10	.60	.52	.43	.34	.29

PHOTOTRANSISTOR OUTPUT (NO BASE CONNECT)

For quantities of 5000 and up, call for quote.

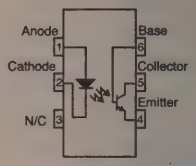
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	BV CEO (V)	Typical Rise/Fall (μSEC)	Price Each 1	100	500	1000	2000
*	512—CNY17F1	DIP-6	F	5.3kV	70	1/2	.41	.35	.28	.25	.22
*	512—CNY17F2	DIP-6	F	5.3kV	70	1/2	.41	.35	.28	.25	.22
*	512—CNY17F3	DIP-6	F	5.3kV	70	1/2	.41	.35	.28	.25	.22
*	512—MOC8101	DIP-6	F	5.3kV	30	1/2	.55	.48	.41	.28	.24
*	512—MOC8102	DIP-6	F	5.3kV	30	1/2	.55	.48	.41	.28	.24
*	512—MOC8103	DIP-6	F	5.3kV	30	1/2	.55	.48	.41	.28	.24
*	512—MOC8104	DIP-6	F	5.3kV	30	1/2	.55	.48	.41	.28	.24

HIGH VOLTAGE PHOTO TRANSISTOR OUTPUT

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	BV CEO (V)	Typical Rise/Fall (μSEC)	Price Each 1	100	500	1000	2000
	512—4N38	DIP-6	A	5.3kV	80	1	.60	.53	.48	.43	.32
♦	512—4N38S	SMD-6	A	5.3kV	80	1	.60	.53	.48	.43	.32
	512—H11D1	DIP-6	A	5.3kV	300	1	.87	.62	.50	.45	.33
♦	512—H11D1S	SMD-6	A	5.3kV	300	1	.87	.62	.50	.45	.33
**	512—H11D1300	DIP-6	A	5.3kV	300	1	.87	.62	.50	.45	.33
	512—H11D2	DIP-6	A	5.3kV	300	1	.87	.62	.50	.45	.33
♦	512—H11D2S	SMD-6	A	5.3kV	300	1	.87	.62	.50	.45	.33
**	512—H11D2300	DIP-6	A	5.3kV	300	1	.87	.62	.50	.45	.33
	512—H11D3	DIP-6	A	5.3kV	200	1	.82	.58	.47	.42	.31
♦	512—H11D3S	SMD-6	A	5.3kV	200	1	.82	.58	.47	.42	.31

A



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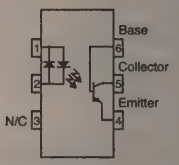

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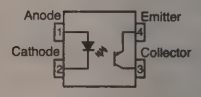

MCT4 and MCT4R are in a 4 pin TO-18 package

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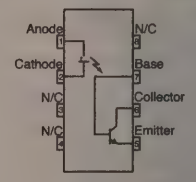

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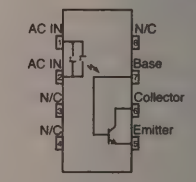

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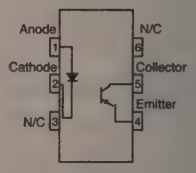


MOUSER ELECTRONICS a ttl company

FAIRCHILD Optocoupler Products

♦ Surface Mount Device
* UL Recognized

HIGH-SPEED PHOTO TRANSISTOR OUTPUT

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	VCC (V) Max	Typical Rise/Fall (μSEC)	Price Each 1	100	500	1000	2000
* 512—	6N135	DIP-8	A	2.5kV	15	1.5/1.5	1.00	.86	.72	.58	.43
* 512—	6N135S	SMD-8	A	2.5kV	15	1.5/1.5	1.00	.86	.72	.58	.43
512—	HCPL0500	SOIC-8	A	2.5kV	15	1.5/1.5	1.36	1.19	1.09	.92	.90
* 512—	6N136	DIP-8	A	2.5kV	15	0.8/0.8	1.00	.86	.72	.58	.43
* 512—	6N136S	SMD-8	A	2.5kV	15	0.8/0.8	1.00	.86	.72	.58	.43
512—	HCPL0501	SOIC-8	A	2.5kV	15	0.8/0.8	1.40	1.23	1.12	.95	.93
* 512—	HCPL-2503	DIP-8	A	2.5kV	15	0.8/0.8	.85	.74	.67	.57	.43

DUAL HIGH-SPEED PHOTO TRANSISTOR OUTPUT

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	VCC (V) Max	Typical Rise/Fall (μSEC)	Price Each 1	100	500	1000	2000
* 512—	HCPL-2530	DIP-8	B	2.5kV	15	1.5/1.5	2.02	1.78	1.62	1.38	1.30
* 512—	HCPL-2530S	SMD-8	B	2.5kV	15	1.5/1.5	2.02	1.78	1.62	1.38	1.30
* 512—	HCPL-2531	DIP-8	B	2.5kV	15	0.8/0.8	2.06	1.81	1.64	1.40	1.35
* 512—	HCPL-2531S	SMD-8	B	2.5kV	15	0.8/0.8	2.06	1.81	1.64	1.40	1.35

DUAL PHOTO TRANSISTOR OUTPUT

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	BV CEO (V) Min.	Typical Rise/Fall (μSEC)	Price Each 1	100	500	1000	2000
* 512—	MCT6	DIP-8	C	5.3kV	30	5/15	.92	.76	.55	.44	.33
* 512—	MCT6S	SMD-8	C	5.3kV	30	5/15	.92	.76	.55	.44	.33
* 512—	MCT62	DIP-8	C	5.3kV	30	5/15	.98	.82	.59	.47	.35
* 512—	MCT62S	SMD-8	C	5.3kV	30	5/15	.98	.82	.59	.47	.35
* 512—	MOCD207M	SOIC-8	D	3.0kV	70	1.6/2.2	1.38	1.20	1.03	.69	.51
* 512—	MOCD208M	SOIC-8	D	3.0kV	70	1.6/2.2	1.40	1.22	1.05	.70	.52
* 512—	MOCD211M	SOIC-8	D	3.0kV	30	3.2/4.7	1.25	1.10	.94	.63	.47
* 512—	MOCD213M	SOIC-8	D	3.0kV	70	1.6/2.2	1.38	1.20	1.03	.69	.51
* 512—	MOCD217M	SOIC-8	D	3.0kV	30	3.2/4.7	1.43	1.25	1.07	.71	.53

PHOTO DARLINGTON OUTPUT

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	BV CEO (V) Min.	Typical Rise/Fall (μSEC)	Price Each 1	100	500	1000	2000
* 512—	4N29	DIP-6	E	5.3kV	30	0.125	.32	.28	.25	.23	.20
* 512—	4N29S	SMD-6	E	5.3kV	30	0.125	.32	.28	.25	.23	.20
* 512—	4N30	DIP-6	E	5.3kV	30	0.125	.32	.28	.25	.23	.20
* 512—	4N30S	SMD-6	E	5.3kV	30	0.125	.32	.28	.25	.23	.20
* 512—	4N31	DIP-6	E	5.3kV	30	0.125	.32	.28	.25	.23	.20
* 512—	4N31S	SMD-6	E	5.3kV	30	0.125	.32	.28	.25	.23	.20
* 512—	4N32	DIP-6	E	5.3kV	30	5/100	.32	.28	.25	.23	.20
* 512—	4N32S	SMD-6	E	5.3kV	30	5/100	.32	.28	.25	.23	.20
* 512—	4N33	DIP-6	E	5.3kV	30	5/100	.32	.28	.25	.23	.20
* 512—	4N33S	SMD-6	E	5.3kV	30	5/100	.32	.28	.25	.23	.20
* 512—	H11B1	DIP-6	E	5.3kV	25	125/100	.54	.39	.31	.28	.25
* 512—	H11B2	DIP-6	E	5.3kV	25	125/100	.54	.39	.31	.28	.25
* 512—	H11B255	DIP-6	E	5.3kV	55	125/100	.54	.39	.31	.28	.25
* 512—	H11B3	DIP-6	E	5.3kV	25	125/100	.54	.39	.31	.28	.25
* 512—	MOC223M	SOIC-8	F	3.0kV	30	1.0/2.0	.96	.84	.72	.48	.36

HIGH VOLTAGE PHOTO DARLINGTON OUTPUT

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	BV CEO (V) Min.	Typical Rise/Fall (μSEC)	Price Each 1	100	500	1000	2000
* 512—	H11G1	DIP-6	G	5.3KV	100	5/100	.82	.59	.47	.42	.32
* 512—	H11G2	DIP-6	G	5.3KV	80	5/100	.82	.59	.47	.42	.32
* 512—	H11G3	DIP-6	G	5.3KV	55	5/100	.76	.55	.44	.39	.30

HIGH GAIN SPLIT PHOTO DARLINGTON OUTPUT

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	VCC (V) Max	Typical Rise/Fall (μSEC)	Price Each 1	100	500	1000	2000
* 512—	6N138	DIP-8	H	2.5KV	7	110/35	.96	.83	.69	.55	.42
* 512—	6N138S	SMD-8	H	2.5KV	7	110/35	1.00	.86	.72	.58	.42
* 512—	HCPL0700	SOIC-8	H	2.5kV	7	110/35	1.48	1.30	1.19	1.01	.98
* 512—	6N139	DIP-8	H	2.5KV	18	25/60	1.00	.86	.71	.57	.43
* 512—	6N139S	SMD-8	H	2.5KV	18	25/60	1.00	.86	.72	.58	.43
* 512—	HCPL0701	SOIC-8	H	2.5kV	18	25/60	1.61	1.41	1.29	1.09	1.07

DUAL PHOTO DARILINGTON OUTPUT

For quantities of 5000 and up, call for quote.

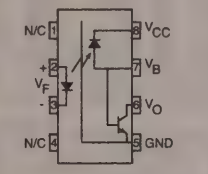
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	BV CEO (V) Min.	Typical Rise/Fall (μSEC)	Price Each 1	100	500	1000	2000
* 512—	MOCD223M	SOIC-8	I	3.0KV	30	1.0/2.0	1.38	1.20	1.03	.69	.53

PHOTO TRANSISTOR OUTPUT

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Fig.	Isolation Voltage (VRMS)	BV CEO (V) Min.	Typical Rise/Fall (μSEC)	Price Each 1	100	500	1000	2000
♦ 512—	FOD2712	SOIC-8	J	2.5kV	1.259	1.0	1.09	.91	.65	.52	.39
512—	FOD2741A	DIP-8	J	5.0kV	2.508	0.5	.95	.79	.57	.50	.37
♦ 512—	FOD2741AS	SMD-8	J	5.0kV	2.508	0.5	.95	.79	.57	.50	.37
512—	FOD2741B	DIP-8	J	5.0kV	2.520	1.0	.88	.73	.53	.47	.41
♦ 512—	FOD2741BS	SMD-8	J	5.0kV	2.520	1.0	.88	.73	.53	.47	.41
512—	FOD2741C	DIP-8	J	5.0kV	2.550	2.0	1.00	.84	.60	.53	.46
♦ 512—	FOD2741CS	SMD-8	J	5.0kV	2.550	2.0	1.00	.84	.60	.53	.46

A



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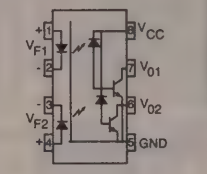

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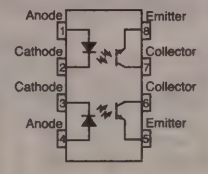

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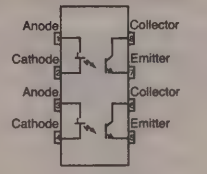

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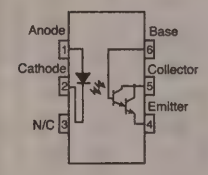

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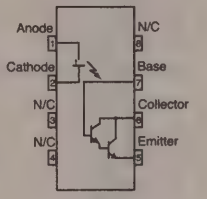

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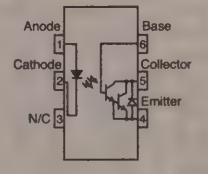

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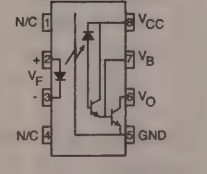

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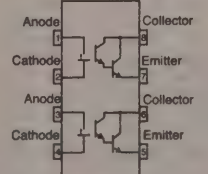

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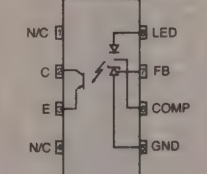


FAIRCHILD Optoelectronic Products

FAIRCHILD SEMICONDUCTOR

INFRARED INTERRUPTER SWITCHES

Photo Transistor

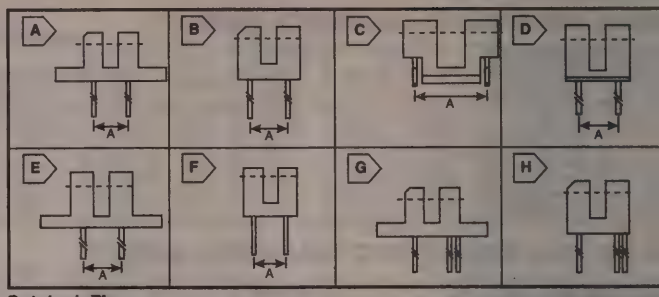
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dim. A (In.)	Aperture Width (In.) LED/Sensor	Min I_C On @ 20mA/5V	BV CEO (V)	Price Each 1	100	500
512—	H21A1	A	0.284	.035 / .035	1.0mA	30	1.20	.85	.69
512—	H21A2	A	0.284	.035 / .035	2.0mA	30	1.25	.90	.72
512—	H22A1	B	0.284	.035 / .035	1.0mA	30	1.07	.77	.61
512—	H22A2	B	0.284	.035 / .035	2.0mA	30	1.19	.85	.68
512—	QVE00033	C	.295	0.4 / 0.4	1.0mA	30	2.50	1.90	.96
512—	QVA11134	D	0.22	.050 / .050	1.0mA	30	1.22	1.01	.81
512—	QVB11134	E	0.22	.050 / .050	1.0mA	30	1.24	1.04	.83
512—	QVE11233	F	0.3	.080 / .080	0.5mA	30	1.13	.93	.75

Photo Darlington

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dim. A (In.)	Aperture Width (In.) LED/Sensor	Min I_C On @10mA/1.5V	BV CEO (V)	Price Each 1	100	500
512—	H21B1	A	0.284	.035 / .035	7.5mA	30	1.32	.94	.75
512—	H21B2	A	0.284	.035 / .035	14.0mA	30	1.37	.98	.78
512—	H21B3	A	0.284	.035 / .035	25.0mA	30	1.42	1.01	.81
512—	H21B4	A	0.284	.035 / .035	7.5mA	55	1.47	1.06	.85
512—	H22B1	B	0.284	.035 / .035	14.0mA	30	1.07	.77	.61
512—	H22B2	B	0.284	.035 / .035	25.0mA	30	1.18	.84	.67
512—	QCK3	C	0.4	-	1.0mA	30	1.17	.98	.78



Optologic™

For quantities of 1000 and up, call for quote

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Hysteresis Ratio Typ. $I_F(+)/I_F(-)$	Threshold Current Turn On	Turn Off	Price Each 1	100	500
512—	H21LOI	G	1.2	15mA	0.5mA	1.52	1.09	.88
512—	H21LOB	G	1.2	15mA	0.5mA	1.52	1.09	.88
512—	H22LOI	H	1.2	15mA	0.5mA	1.42	1.01	.81
512—	H22LOB	H	1.2	15mA	0.5mA	1.42	1.01	.81

INFRARED EMITTING DIODES AND PHOTO DETECTORS

Infrared Emitting Diodes

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Min. Power Output	Max. Fwd Volt	Emission Wave-Length	Beam Angle +/-	Price Each 1	100	500
512—	1N6264	A	6mW	1.7V	940	10	3.13	2.61	1.87
512—	1N6265	B	6mW	1.7V	940	40	3.07	2.56	1.83
512—	1N6266	A	25mW/sr	1.7V	940	10	4.26	3.55	2.54
512—	CQX15	B	5.40mW	1.7V	940	40	2.39	1.99	1.59
512—	F5D1	A	12mW	1.7V	880	10	3.49	3.05	2.18
512—	F5D2	A	9mW	1.7V	880	10	3.43	3.00	2.15
512—	F5D3	A	10.5mW	1.7V	880	10	2.50	2.08	1.67
512—	F5E1	B	12mW	1.7V	880	40	3.49	3.05	2.18
512—	F5E2	B	9mW	1.7V	880	40	3.43	3.00	2.15
512—	F5E3	B	10.5mW	1.7V	880	40	3.49	3.05	2.18
512—	LED55B	A	3.50mW	1.7V	940	10	1.99	1.75	1.51
512—	LED55C	A	5.40mW	1.7V	940	10	2.01	1.77	1.53
512—	LED56	A	1.50mW	1.7V	940	10	1.95	1.72	1.48
512—	QEB373	-	16mW/sr	1.7V	880	12	.39	.34	.31
512—	QEB421	-	48mW/sr	1.5V	880	120	.38	.33	.30
512—	LED55BF	B	3.50mW	1.7V	940	40	1.95	1.72	1.48
512—	LED55CF	B	5.40mW	1.7V	940	40	1.99	1.75	1.51
512—	LED56F	B	1.50mW	1.7V	940	40	1.83	1.61	1.39
512—	QEC113	C	14mW/sr	1.5V	940	8	.25	.22	.20
512—	QED123	D	80mW/sr	1.7V	880	9	.39	.34	.31
512—	QED222	D	16mW/sr	1.7V	880	20	.35	.31	.28
512—	QED223	D	25mW/sr	1.7V	880	20	.39	.34	.31
512—	QED233	D	10mW/sr	1.5V	940	20	.24	.21	.19
512—	QED234	D	27mW/sr	1.5V	940	20	.25	.22	.20
512—	QED522	E	20mW/sr	1.7V	880	15	.35	.31	.28
512—	QED523	E	40mW/sr	1.7V	880	15	.39	.34	.31
512—	QEE113	F	3mW/sr	1.5V	940	25	.25	.22	.20
512—	QEE123	F	8mW/sr	1.5V	880	25	.35	.31	.28

DIMENSIONS (IN

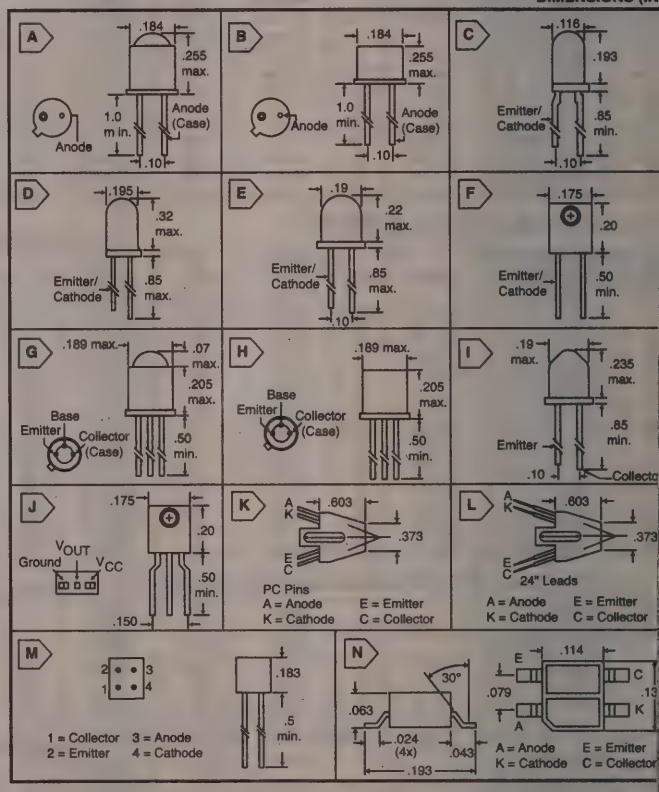


Photo Detectors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Icc (on) Min.	BV CEO (V)	I_{CEO} VCC /nA (max.)	Price Each 1	100	500
Photo Transistor								
512—	BPW36	G	6mA	45	10 / 100	2.88	2.40	1.72
512—	L14C1	H	1mA	45	20 / 100	1.77	1.55	1.34
512—	L14C2	H	0.5mA	45	20 / 100	1.72	1.51	1.30
512—	L14G1	G	6mA	45	10 / 100	1.70	1.50	1.29
512—	L14G2	G	3mA	45	10 / 100	1.68	1.48	1.27
512—	L14G3	G	12mA	45	10 / 100	1.70	1.50	1.30
512—	L14N1	H	3mA	30	10 / 100	1.75	1.55	1.34
512—	L14N2	H	6mA	30	10 / 100	1.87	1.65	1.42
512—	L14P1	G	4mA	30	10 / 100	1.80	1.58	1.36
512—	L14P2	G	8mA	30	10 / 100	1.95	1.72	1.48
512—	QSC112	C	1mA	30	10 / 100	.26	.22	.17
512—	QSC113	C	2.4mA	30	10 / 100	.28	.24	.19
512—	QSC114	C	4mA	30	10 / 100	.30	.25	.20
512—	QSB363	-	0.7mA	30	10 / 100	.28	.24	.19
512—	QSB320	-	16µA	30	10 / 200	.35	.29	.23
512—	QSD122	D	1mA	30	10 / 100	.35	.29	.23
512—	QSD123	D	4mA	30	10 / 100	.38	.31	.25
512—	QSD124	D	6mA	30	10 / 100	.40	.33	.27
512—	QSD722	I	0.6mA	30	10 / 100	.35	.29	.23
512—	QSD723	I	2.5mA	30	10 / 100	.38	.31	.25
512—	QSD724	I	3.5mA	30	10 / 100	.40	.33	.27
512—	QSE113	F	0.25mA	30	10 / 100	.30	.25	.20
512—	QSE114	F	1mA	30	10 / 100	.33	.27	.22
Photo Darlington								
512—	BPW38	G	3mA	25	12 / 100	3.07	2.56	1.83
512—	L14F1	G	3mA	25	12 / 100	1.76	1.55	1.34
512—	L14F2	G	1mA	25	12 / 100	1.68	1.48	1.27

OPTOLOGIC™ PHOTOSENSORS

For quantities of 1000 and up, call for quo

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Positive Threshold mw/cm²	Function	V_{CC} (V)	Price Each 1	100	500
512—	QSE156	J	0.25	Buff T/P	4.5-16.0	.70	.59	.47
512—	QSE157	J	0.25	Inv T/P	4.5-16.0	.70	.59	.47
512—	QSE158	J	0.25	Buff O/C	4.5-16.0	.70	.59	.47
512—	QSE159	J	0.25	Inv O/C	4.5-16.0	.70	.59	.47

REFLECTIVE PHOTOSENSORS

For quantities of 1000 and up, call for quo

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Icc (on) Min.	I_F/VCE	BV CEO (V)	Price Each 1	100	500
512—	QRB1114	K	.60mA	40mA/5V	30	1.41	1.17	.94
512—	QRB1134	L	.60mA	40mA/5V	30	2.43	2.02	1.62
512—	QRD1114	M	1.0mA	20mA/5V	30	.98	.83	.66
512—	QRE1113GR	N	.15mA	20mA/5V	30	.90	.75	.61

NEC / CEL Optocouplers

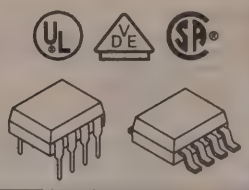
NEC CEL California Eastern Laboratories

pplications:
an be used as an interface circuit for various instrumentations and ntrol equipment in the following:
- AC line/digital logic
- Digital logic/digital logic
- Twisted pair line receiver
- Telephone/telegraph line receiver

Features:
- High isolation voltage
- High current transfer ratio
- Low cost
- High speed switching

Safety standard: UL = UL Recognized (UL File No: E72422(S))
UL/CSA = UL Recognized & CSA Approved
UL File No.: E72422(S)/CSA File No.: CA101391
UL/VDE = UL Recognized & VDE Recognized

All of these devices are available in leaded and lead-free versions
Lead-free versions are denoted by a "-A" at the end of NEC's part number.
Please contact your sales representative if you need assistance.



EC / CEL SINGLE TRANSISTOR, GENERAL PURPOSE DC OPTOCOUPLER

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each 1	100	500	1000
Low Speed Logic Applications													
551-PS2501-1-A	PS2501-1-A	A	DIP-4	UL	80	80	7.0	3.0/5.0	80 to 600	.32	.23	.21	.20
551-PS2501A-1-A	PS2501A-1-A	A	DIP-4	UL	30	70	5.0	5.0/7.0	50 to 400	.28	.20	.18	.17
♦ 551-PS2501L-1-A	PS2501L-1-A	A	SOP-4	UL	80	80	7.0	3.0/5.0	80 to 600	.39	.28	.26	.24
551-PS2501-2-A	PS2501-2-A	B	DIP-8	UL	80	80	7.0	3.0/5.0	80 to 600	.67	.48	.44	.41
♦ 551-PS2501L-2-A	PS2501L-2-A	B	SOP-8	UL	80	80	7.0	3.0/5.0	80 to 600	.78	.56	.51	.48
551-PS2501-4-A	PS2501-4-A	C	DIP-16	UL	80	80	7.0	3.0/5.0	80 to 600	1.13	.81	.74	.69
♦ 551-PS2501L-4-A	PS2501L-4-A	C	SOP-16	UL	80	80	7.0	3.0/5.0	80 to 600	1.47	1.06	.96	.90
♦ 551-PS2701-1-A	PS2701-1-A	A	SOP-4	UL/CSA	50	40	6.0	3.0/5.0	50 to 300	.46	.33	.30	.28
♦ 551-PS2701A-1-A	PS2701A-1-A	A	SOP-4	UL	30	70	5.0	5.0/7.0	50 to 300	.37	.26	.24	.22
♦ 551-PS2801-1-A	PS2801-1-A	A	SSOP-4	UL/CSA	50	80	6.0	3.0/5.0	80 to 600	.48	.34	.31	.29
♦ 551-PS2801A-1-A	PS2801A-1-A	A	SSOP-4	UL	30	70	5.0	5.0/7.0	50 to 400	.48	.35	.32	.29
♦ 551-PS2801-4-A	PS2801-4-A	C	SSOP-16	UL/CSA	50	80	6.0	3.0/5.0	80 to 600	2.65	1.90	1.73	1.61
♦ 551-PS2801A-4-A	PS2801A-4-A	C	SSOP-16	UL	30	70	5.0	5.0/7.0	50 to 400	2.13	1.53	1.39	1.30

A

EC / CEL SINGLE TRANSISTOR, GENERAL PURPOSE AC OPTOCOUPLER

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each 1	100	500	1000
High Isolation Voltage													
551-PS2505-1-A	PS2505-1-A	D	DIP-4	UL	80	80	7.0	3.0/5.0	80 to 600	.46	.33	.30	.28
♦ 551-PS2505L-1-A	PS2505L-1-A	D	SOP-4	UL	80	80	7.0	3.0/5.0	80 to 600	.46	.33	.30	.28
551-PS2505-2-A	PS2505-2-A	E	DIP-8	UL	80	80	7.0	3.0/5.0	80 to 600	1.07	.77	.70	.65
♦ 551-PS2505L-2-A	PS2505L-2-A	E	SOP-8	UL	80	80	7.0	3.0/5.0	80 to 600	1.21	.87	.79	.74
551-PS2505-4-A	PS2505-4-A	F	DIP-16	UL/CSA	80	80	7.0	3.0/5.0	80 to 600	1.82	1.30	1.19	1.11
♦ 551-PS2505L-4-A	PS2505L-4-A	F	SOP-16	UL	80	80	7.0	3.0/5.0	80 to 600	1.96	1.40	1.28	1.19
♦ 551-PS2705-1-A	PS2705-1-A	D	SOP-4	UL/CSA	50	40	6.0	3.0/5.0	50 to 300	.53	.38	.35	.32
♦ 551-PS2705A-1-A	PS2705A-1-A	D	SOP-4	UL	30	70	5.0	5.0/7.0	50 to 400	.39	.28	.26	.24
♦ 551-PS2805-1-A	PS2805-1-A	D	SSOP-4	UL/CSA	50	80	6.0	3.0/5.0	80 to 600	.61	.44	.40	.37
♦ 551-PS2805A-1-A	PS2805A-1-A	D	SSOP-4	UL	30	70	5.0	5.0/7.0	50 to 400	.58	.41	.38	.35
♦ 551-PS2805-4-A	PS2805-4-A	F	SSOP-16	UL/CSA	50	80	6.0	3.0/5.0	80 to 600	3.29	2.36	2.15	2.00
♦ 551-PS2805A-4-A	PS2805A-4-A	F	SSOP-16	UL	30	70	5.0	5.0/7.0	50 to 400	3.11	2.23	2.03	1.89

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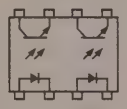

EC / CEL SINGLE TRANSISTOR, GENERAL PURPOSE OPTOCOUPLER

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each 1	100	500	1000
DC Devices Optimized for Analog Feedback													
♦ 551-PS2711-1-A	PS2711-1-A	A	SOP-4	UL	50	40	5.0	4.0/5.0	100 to 400	.39	.28	.25	.24
♦ 551-PS2811-1-A	PS2811-1-A	A	SSOP-4	UL	50	40	5.0	4.0/5.0	100 to 400	.44	.32	.29	.27
♦ 551-PS2811-4-A	PS2811-4-A	C	SSOP-16	UL	50	40	5.0	4.0/5.0	100 to 400	2.53	1.82	1.65	1.54
♦ 551-PS2911-1-A	PS2911-1-A	A	MiniFlat-4	UL	50	40	5.0	5.0/10.0	100 to 400	.92	.66	.60	.56
AC Devices Optimized for Analog Feedback													
♦ 551-PS2715-1-A	PS2715-1-A	D	SOP-4	UL	50	40	5.0	4.0/5.0	100 to 400	.48	.34	.31	.29
♦ 551-PS2815-1-A	PS2815-1-A	D	SSOP-4	UL	50	40	5.0	4.0/5.0	100 to 400	.80	.57	.52	.49
♦ 551-PS2815-4-A	PS2815-4-A	F	SSOP-16	UL	50	40	5.0	4.0/5.0	100 to 400	2.53	1.82	1.65	1.54
♦ 551-PS2915-1-A	PS2915-1-A	D	MiniFlat-4	UL	50	40	5.0	5.0/10.0	100 to 400	.91	.65	.59	.55

C

EC / CEL SINGLE TRANSISTOR, GENERAL PURPOSE AC OPTOCOUPLER (HIGH VOLTAGE)

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each 1	100	500	1000
♦ 551-PS2707-1	PS2707-1	D	SOP-4	UL	50	120	6.0	10/10	50 to 400	.51	.36	.33	.31

D

EC / CEL SINGLE TRANSISTOR, GENERAL PURPOSE OPTOCOUPLER

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each 1	100	500	1000
DC Devices, High Isolation Voltage													
551-PS2561-1-A	PS2561-1-A	A	DIP-4	UL/CSA	80	80	7.0	3.0/5.0	80 to 400	.28	.25	.19	.17
551-PS2561A-1-A	PS2561A-1-A	A	DIP-4	UL/CSA	30	70	5.0	5.0/7.0	50 to 300	.35	.25	.23	.21
♦ 551-PS2561L-1-A	PS2561L-1-A	A	SOP-4	UL/CSA	80	80	7.0	3.0/5.0	80 to 400	.48	.35	.32	.29
♦ 551-PS2761-1-A	PS2761-1-A	A	SOP-4	UL	50	40	5.0	4.0/5.0	50 to 400	.51	.36	.33	.31
♦ 551-PS2861-1-A	PS2861-1-A	A	SSOP-4	UL	50	40	5.0	4.0/5.0	50 to 400	.56	.40	.36	.34
♦ 551-PS2861H-1-A	PS2861H-1-A	A	SSOP-4	None	50	40	5.0	4.0/6.0	50 to 400	.56	.40	.36	.34
AC Devices													
♦ 551-PS2565-1-A	PS2565-1-A	D	DIP-4	UL/CSA	80	80	7.0	3.0/5.0	80 to 400	.53	.38	.35	.32
551-PS2565L-1-A	PS2565L-1-A	D	SOP-4	UL/CSA	80	80	7.0	3.0/5.0	80 to 400	.55	.40	.36	.34
♦ 551-PS2565-2	PS2565-2	E	DIP-8	UL/CSA	80	80	7.0	3.0/5.0	80 to 400	1.17	1.06	.82	.71
♦ 551-PS2565L-2	PS2565L-2	E	SOP-8	UL/CSA	80	80	7.0	3.0/5.0	80 to 400	1.19	1.08	.83	.72
♦ 551-PS2765-1-A	PS2765-1-A	D	SOP-4	UL	50	40	5.0	4.0/5.0	50 to 400	.55	.40	.36	.34
551-PS2865-1-A	PS2865-1-A	D	SSOP-4	UL	50	40	5.0	4.0/5.0	50 to 400	.59	.42	.38	.36

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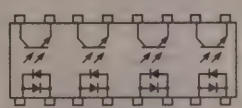

NEC / CEL Optocouplers

NEC CEL California Eastern Laboratories

Applications:
Can be used as an interface circuit for various instrumentations and control equipment in the following:
- AC line/digital logic
- Twisted pair line receiver
- Digital logic/digital logic
- Telephone/telegraph line receiver

Features:
- High isolation voltage
- High current transfer ratio
- Low cost
- High speed switching

Safety standard: UL = UL Recognized (UL File No: E72422(S))
UL/CSA = UL Recognized & CSA Approved
UL File No.: E72422(S)/CSA File No.: CA101391
UL/VDE = UL Recognized & VDE Recognized

All of these devices are available in leaded and lead-free versions Lead-free versions are denoted by a "-A" at the end of NEC's part number. Please contact your sales representative if you need assistance.

NEC / CEL SINGLE TRANSISTOR, HIGH DRIVE CURRENT OPTOCOUPLERS

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each 1	100	500	1000
DC Devices, High Isolation Voltage													
551-PS2521-1	PS2521-1	A	DIP-4	UL/CSA	150	80	6.0	3.0/5.0	20 to 80	.84	.60	.55	.51
♦ 551-PS2521L-1	PS2521L-1	A	SOP-4	UL/CSA	150	80	6.0	3.0/5.0	20 to 80	.88	.63	.57	.53
AC Devices, High Isolation Voltage													
551-PS2525-1	PS2525-1	D	DIP-4	UL/CSA	150	80	6.0	3.0/5.0	20 to 80	.87	.79	.61	.53
551-PS2525-2	PS2525-2	E	DIP-8	UL/CSA	150	80	6.0	3.0/5.0	20 to 80	1.95	1.77	1.36	1.18
551-PS2525-4-A	PS2525-4-A	F	DIP-16	UL	150	80	6.0	3.0/5.0	20 to 80	3.88	3.53	2.72	2.35

NEC / CEL SINGLE TRANSISTOR, HIGH SPEED AND HIGH VCE OPTOCOUPLERS

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each 1	100	500	1000
551-PS2503-1-A	PS2503-1-A	A	DIP-4	UL/CSA	80	40	0.6	30/30	100 to 400	.72	.51	.47	.44
♦ 551-PS2503L-1-A	PS2503L-1-A	A	SOP-4	UL/CSA	80	40	0.6	30/30	100 to 400	.76	.54	.50	.46
551-PS2503-2-A	PS2503-2-A	B	DIP-8	UL/CSA	80	40	0.6	30/30	100 to 400	1.44	1.03	.94	.87
♦ 551-PS2503L-2-A	PS2503L-2-A	B	SOP-8	UL/CSA	80	40	0.6	30/30	100 to 400	1.48	1.06	.96	.90
551-PS2503-4-A	PS2503-4-A	C	DIP-16	UL/CSA	80	40	0.6	30/30	100 to 400	2.62	1.88	1.71	1.60
♦ 551-PS2503L-4-A	PS2503L-4-A	C	SOP-16	UL/CSA	80	40	0.6	30/30	100 to 400	2.67	1.91	1.74	1.62
551-PS2513-1-A	PS2513-1-A	A	DIP-4	UL	60	120	6.0	3.0/4.0	25 to 100	.46	.33	.30	.28
♦ 551-PS2703-1-A	PS2703-1-A	A	SOP-4	UL/CSA	50	120	6.0	10/10	50 to 400	.51	.36	.33	.31
♦ 551-PS2913-1-A	PS2913-1-A	A	MiniFlat-4	UL	50	120	6.0	10/10	50 to 200	1.06	.76	.69	.65

NEC / CEL SINGLE TRANSISTOR OPTOCOUPLER IN MINIATURE QUAD PACKAGES

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each 1	100	500	1000
DC Devices													
♦ 551-PS2841-4A-A	PS2841-4A-A	G	SSOP-12	UL	20	70	5.0	20	100 to 400	3.52	2.52	2.30	2.14
♦ 551-PS2841-4B-A	PS2841-4B-A	G	SSOP-12	None	20	70	5.0	20	100 to 600	3.45	2.48	2.25	2.10
AC Devices													
♦ 551-PS2845-4A-A	PS2845-4A-A	H	SSOP-12	UL	20	70	5.0	20	100 to 400	4.39	3.15	2.87	2.67

NEC / CEL DARLINGTON TRANSISTOR, GENERAL PURPOSE OPTOCOUPLERS

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each 1	100	500	1000
DC Devices, High Isolation Voltage													
551-PS2502-1-A	PS2502-1-A	I	DIP-4	UL	80	40	6.0	100/100	200 to 2000	.56	.40	.37	.34
♦ 551-PS2502L-1-A	PS2502L-1-A	I	SOP-4	UL	80	40	6.0	100/100	200 to 2000	.61	.44	.40	.37
551-PS2502-2-A	PS2502-2-A	J	DIP-8	UL	80	40	6.0	100/100	200 to 2000	1.36	.97	.89	.83
♦ 551-PS2502L-2-A	PS2502L-2-A	J	SOP-8	UL	80	40	6.0	100/100	200 to 2000	1.40	1.00	.91	.85
551-PS2502-4-A	PS2502-4-A	J	DIP-16	UL	80	40	6.0	100/100	200 to 2000	1.98	1.42	1.29	1.20
♦ 551-PS2502L-4-A	PS2502L-4-A	K	SOP-16	UL	80	40	6.0	100/100	200 to 2000	2.55	1.83	1.67	1.55
♦ 551-PS2702-1-A	PS2702-1-A	I	SOP-4	UL/CSA	50	40	6.0	200/200	200 to 2000	.69	.50	.45	.42
♦ 551-PS2802-1-A	PS2802-1-A	I	SOP-4	UL/CSA	50	40	6.0	200/200	200 to 2000	.89	.64	.58	.54
♦ 551-PS2802-4-A	PS2802-4-A	K	SOP-16	UL/CSA	50	40	6.0	200/200	200 to 2000	2.58	1.85	1.68	1.57
AC Devices, High Isolation Voltage													
551-PS2506-1-A	PS2506-1-A	L	DIP-4	UL	80	40	6.0	100/100	200 to 2000	.76	.54	.49	.46
♦ 551-PS2506L-1-A	PS2506L-1-A	L	SOP-4	UL	80	40	6.0	100/100	200 to 2000	.80	.57	.52	.49
551-PS2506-2-A	PS2506-2-A	M	DIP-8	UL	80	40	6.0	100/100	200 to 2000	1.51	1.09	.99	.92
♦ 551-PS2506L-2-A	PS2506L-2-A	M	SOP-8	UL	80	40	6.0	100/100	200 to 2000	1.56	1.12	1.02	.95
551-PS2506-4-A	PS2506-4-A	N	DIP-16	UL	80	40	6.0	100/100	200 to 2000	2.39	1.72	1.56	1.46
♦ 551-PS2506L-4-A	PS2506L-4-A	N	SOP-16	UL	80	40	6.0	100/100	200 to 2000	3.06	2.19	2.00	1.86
♦ 551-PS2706-1-A	PS2706-1-A	L	SOP-4	UL/CSA	50	40	6.0	200/200	200 to 2000	.66	.47	.43	.40
♦ 551-PS2806-1-A	PS2806-1-A	L	SOP-4	UL/CSA	50	40	6.0	200/200	200 to 2000	1.09	.78	.71	.67
♦ 551-PS2806-4-A	PS2806-4-A	N	SOP-16	UL/CSA	50	40	6.0	200/200	200 to 2000	4.14	2.97	2.70	2.52

NEC / CEL DARLINGTON TRANSISTOR OPTOCOUPLERS, GUARANTEED 0.4MM INSULATION

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each 1	100	500	1000
DC Devices, High Isolation Voltage													
551-PS2562-1-A	PS2562-1-A	I	DIP-4	UL/CSA	80	40	6.0	100/100	200 to 2000	.78	.56	.51	.48
♦ 551-PS2562L-1-A	PS2562L-1-A	I	SOP-4	UL/CSA	80	40	6.0	100/100	200 to 2000	.68	.49	.44	.41
551-PS2562-2	PS2562-2	J	DIP-8	UL/CSA	80	40	6.0	100/100	200 to 2000	1.24	1.13	.87	.75
♦ 551-PS2562L-4	PS2562L-4	K	SOP-16	UL/CSA	80	40	6.0	100/100	200 to 2000	2.18	1.98	1.53	1.32
AC Devices, High Isolation Voltage													
551-PS2566-1-A	PS2566-1-A	L	DIP-4	UL/CSA	80	40	6.0	100/100	200 to 2000	.78	.56	.51	.48
551-PS2566-2-A	PS2566-2-A	M	DIP-8	UL/CSA	80	40	6.0	100/100	200 to 2000	1.90	1.73	1.33	1.16
♦ 551-PS2566L-2	PS2566L-2	M	SOP-8	UL/CSA	80	40	6.0	100/100	200 to 2000	1.94	1.76	1.35	1.17

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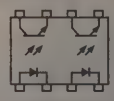
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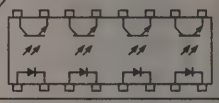
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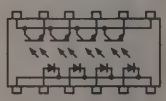
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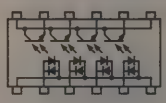
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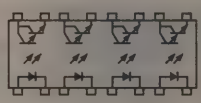
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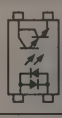
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N

NEC / CEL Optocouplers

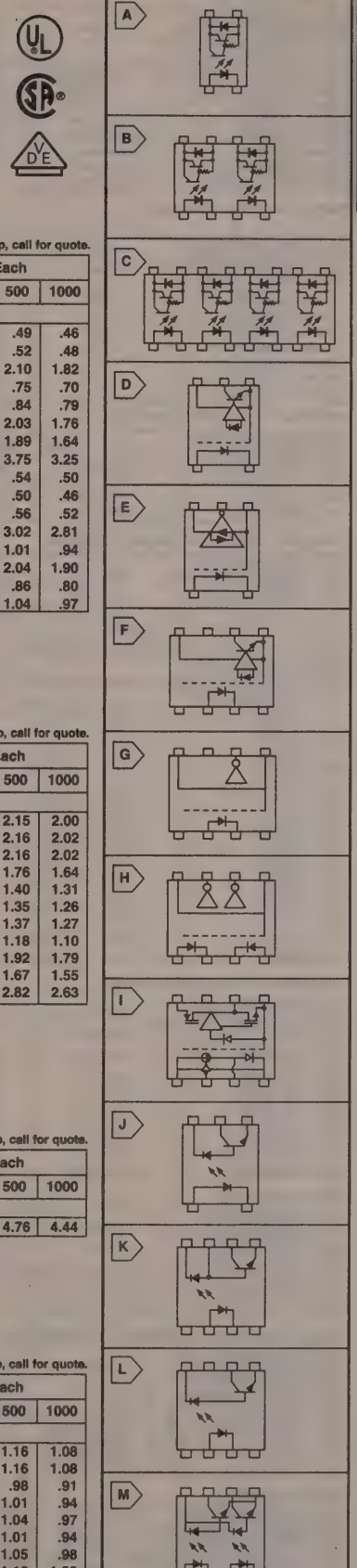
NEC CEL California Eastern Laboratories

Applications:
Can be used as an interface circuit for various instrumentations and control equipment in the following:
- AC line/digital logic
- Twisted pair line receiver
- Digital logic/digital logic
- Telephone/telegraph line receiver

Features:
- High isolation voltage
- High current transfer ratio
- Low cost
- High speed switching

Safety standard: UL = UL Recognized (UL File No: E72422(S))
UL/CSA = UL Recognized & CSA Approved
UL File No.: E72422(S)/CSA File No.: CA101391
UL/VDE = UL Recognized & VDE Recognized

All of these devices are available in leaded and lead-free versions
Lead-free versions are denoted by a "-A" at the end of NEC's part number.
Please contact your sales representative if you need assistance.



NEC / CEL DARLINGTON TRANSISTOR, HIGH VCEO OPTOCOUPLERS

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each 1	100	500	1000
DC Devices													
551-PS2532-1-A	PS2532-1-A	A	DIP-4	UL/CSA	80	300	6.0	100/100	1500 to 6500	.75	.54	.49	.46
♦ 551-PS2532L-1-A	PS2532L-1-A	A	SOP-4	UL/CSA	80	300	6.0	100/100	1500 to 6500	.79	.57	.52	.48
♦ 551-PS2532L-4	PS2532L-4	C	SOP-16	UL/CSA	80	300	6.0	100/100	1500 to 6500	3.00	2.73	2.10	1.82
551-PS2533-1	PS2533-1	A	DIP-4	UL/CSA	80	350	6.0	100/100	1500 to 6500	1.15	.83	.75	.70
♦ 551-PS2533L-1-A	PS2533L-1-A	A	SOP-4	UL/CSA	80	350	6.0	100/100	1500 to 6500	1.29	.93	.84	.79
551-PS2533-2-A	PS2533-2-A	B	DIP-8	UL/CSA	80	350	6.0	100/100	1500 to 6500	2.90	2.64	2.03	1.76
♦ 551-PS2533L-2	PS2533L-2	B	SOP-8	UL/CSA	80	350	6.0	100/100	1500 to 6500	2.70	2.45	1.89	1.64
♦ 551-PS2533L-4	PS2533L-4	C	SOP-16	UL/CSA	80	350	6.0	100/100	1500 to 6500	5.37	4.88	3.75	3.25
♦ 551-PS2732-1-A	PS2732-1-A	A	SOP-4	UL/CSA	50	300	6.0	100/100	1500 to 6500	.82	.59	.54	.50
♦ 551-PS2733-1-A	PS2733-1-A	A	SOP-4	UL/CSA	50	350	6.0	100/100	1500 to 4000	.76	.54	.50	.46
♦ 551-PS2832-1-A	PS2832-1-A	A	SSOP-4	UL/CSA	50	300	0.3	20/5.0	400 to 4500	.86	.62	.56	.52
♦ 551-PS2832-4	PS2832-4	C	SSOP-16	UL/CSA	50	300	0.3	20/5.0	400 to 4500	4.62	3.32	3.02	2.81
♦ 551-PS2833-1-A	PS2833-1-A	A	SSOP-4	None	50	350	0.3	20/5.0	400 to 4500	1.54	1.11	1.01	.94
♦ 551-PS2833-4-A	PS2833-4-A	C	SSOP-16	UL	50	350	0.3	20/5.0	400 to 4500	3.13	2.24	2.04	1.90
♦ 551-PS2932-1-A	PS2932-1-A	A	MiniFlat-4	UL	50	350	0.3	20/5.0	400 to 4500	1.32	.94	.86	.80
♦ 551-PS2933-1-A	PS2933-1-A	A	MiniFlat-4	UL	50	350	0.3	20/5.0	400 to 4500	1.59	1.14	1.04	.97

NEC / CEL HIGH SPEED DIGITAL OPTOCOUPLERS

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	Digital Speed (Mbps)	VCC Range (V)	Isolation Voltage (VRMS)	Prop. Delay (L/H) (Typ.) (ns)	Threshold Input Curr. (Typ.)	Price Each 1	100	500	1000
10kV/us Minimum Noise Immunity													
♦ 551-PS9113-A	PS9113-A	D	SOP-5	UL	1	-0.5 to +35	2500	250/520	25mA	3.29	2.36	2.15	2.00
♦ 551-PS9114-A	PS9114-A	D	SOP-5	UL	10	4.5 to 5.5	2500	54/51	30mA	3.31	2.38	2.16	2.02
551-PS9115-A	PS9115-A	E	DIP-8	UL	10	4.5 to 5.5	2500	0.8	2.3mA	3.31	2.38	2.16	2.02
♦ 551-PS9121-A	PS9121-A	D	SOP-5	Pending	10	2.7 to 5.5	2500	43/46	30mA	2.69	1.93	1.76	1.64
551-PS9613-A	PS9613-A	F	DIP-8	UL	1	0.5 to +35	5000	250/520	1.5mA	2.15	1.54	1.40	1.31
551-PS9614-A	PS9614-A	F	DIP-8	UL	10	4.5 to 5.5	3750	61/51	30mA	2.07	1.49	1.35	1.26
♦ 551-PS9614L-A	PS9614L-A	F	SOP-8	UL	10	4.5 to 5.5	3750	61/51	30mA	2.09	1.50	1.37	1.27
♦ 551-PS9814-1-A	PS9814-1-A	G	SO-8	UL	10	4.5 to 5.5	2500	54/51	30mA	1.81	1.30	1.18	1.10
♦ 551-PS9814-2-A	PS9814-2-A	H	SO-8	UL	10	4.5 to 5.5	2500	54/51	30mA	2.94	2.11	1.92	1.79
♦ 551-PS9821-1-A	PS9821-1-A	G	SO-8	UL	10	2.7 to 5.5	2500	43/46	20mA	2.55	1.83	1.67	1.55
♦ 551-PS9821-2-A	PS9821-2-A	H	SO-8	UL	10	2.7 to 5.5	2500	43/46	20mA	4.32	3.10	2.82	2.63

NEC / CEL CMOS HIGH SPEED DIGITAL OPTOCOUPLERS

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each 1	100	500	1000
10kV/us Minimum Noise Immunity													
551-PS9661-A	PS9661-A	I	DIP-8	Pending	25	4.5 to 5.5	3750.0	20/23	150mW	7.29	5.23	4.76	4.44

NEC / CEL HIGH SPEED ANALOG OPTOCOUPLERS

♦ Surface Mount — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	Isolation Voltage (VRMS)	Prop. Delay (Typ.)	Forward Current (Max.)	Reverse Voltage (Max.)	Current Transfer Ratio %	Price Each 1	100	500	1000
High Noise Immunity													
♦ 551-PS8101-A	PS8101-A	J	SSOP-5	UL	2500	0.5uS	25mA	5V	15 to 35	1.77	1.27	1.16	1.08
♦ 551-PS8101-K	PS8101-K	J	SSOP-5	UL	2500	0.5uS	25mA	5V	20 to 35	1.77	1.27	1.16	1.08
♦ 551-PS8103-A	PS8103-A	J	SSOP-5	Pending	2500	1.0uS	50mA	5V	10 to 30	1.50	1.07	.98	.91
551-PS8601-A	PS8601-A	K	DIP-8	UL	5000	0.5uS	25mA	5V	15 (min)	1.55	1.11	1.01	.94
551-PS8601L	PS8601L	K	SOP-8	UL	5000	0.5uS	25mA	5V	15 (min)	1.59	1.14	1.04	.97
551-PS8602-A	PS8602-A	L	DIP-8	UL	5000	0.5uS	25mA	5V	15 (min)	1.55	1.11	1.01	.94
♦ 551-PS8602L-A	PS8602L-A	L	SOP-8	UL	5000	0.5uS	25mA	5V	15 (min)	1.61	1.16	1.05	.98
♦ 551-PS8802-1-A	PS8802-1-A	K	SO-8	UL	2500	0.6uS	25mA	5V	15 to 35	1.78	1.28	1.16	1.09
♦ 551-PS8802-2-A	PS8802-2-A	M	SO-8	UL	2500	0.6uS	25mA	5V	15 to 35	4.12	2.95	2.69	2.51

OPTEK Optoelectronics

TT electronics
OPTEK Technology

Optical Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Output Type	Slot Width (In.)	Lead Spacing (In.)	Price Each 1	10	100
828—	OPB620	A	Transistor	0.20	0.325	1.57	1.14	1.06
828—	OPB804	A	Transistor	0.16	0.31	1.98	1.44	1.34
828—	OPB818	A	Transistor	0.21	0.41	2.37	1.72	1.60
828—	OPB848	A	Transistor	0.21	0.31	2.12	1.54	1.43
828—	OPB610	A	Phototransistor	0.16	0.28	1.57	1.14	1.06
828—	OPB680	B	Transistor	0.09	0.28	2.86	2.08	1.93
828—	OPB819	C	Transistor	1.25	- - -	7.12	5.18	4.80
828—	OPB930W55	D	Photologic ®	0.13	- - -	6.49	4.72	4.37

Reflective Object Sensors

† Photologic ®

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Cont. Forward Current (mA)	Reverse DC Voltage	Forward Voltage (VF)	Price Each 1	10	100
828—	OPB700	E	100	2.0	1.70	9.90	7.20	6.65
828—	OPB701AL	E	100	2.0	1.70	13.09	9.52	8.81
828—	OPB710	F	50	3.0	1.50	7.67	4.58	5.17
828—	OPB742	G	40	2.0	1.70	2.89	2.10	1.95
828—	OPB745	G	40	2.0	1.70	3.60	2.62	2.43
†828—	OPB716	H	50	- - -	4.75	8.58	6.24	5.78
†828—	OPB770T	I	10	- - -	4.75	8.94	6.50	6.02

Hallogic® Hall Effect Sensors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Operating Point (Min./Typ./Max)	Release Point	Supply Curr. (Typ./Max)	Price Each 1	10	100
828—	OH090U	J	0/90/180	-100/65/100	6/9 (mA)	2.16	1.26	1.20
828—	OHS3140U	J	45/-/270	25/-/250	4/7 (mA)	2.31	1.35	1.28

Hallogic® Hall Effect Sensor Assembly

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Output Rise Time (Typ./Max)	Output Fall Time (Typ./Max)	Supply Curr. (Typ./Max)	Price Each 1	10	100
828—	OHB900	K	0.21/1.00 µs	0.10/1.00 µs	4/7 (mA)	6.72	3.92	3.72

SMD Infared LED Emitters and Receivers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Package	Peak Emission Wavelength	Emission Angle	Voltage Rev.	Fwd.	Price Each 1	10	100
828—	OP200	L	0805	890nm	150	30V	1.5V	.41	.34	.25
828—	OP250	L	1206	890nm	150	30V	1.5V	.44	.37	.27
828—	OP251	M	1206	890nm	105	30V	1.5V	.44	.37	.27
828—	OP270	N	SMT	890nm	25	30V	1.5V	.51	.43	.31
828—	OP271	N	SMT	890nm	25	30V	1.5V	.51	.43	.31
828—	OP272	N	SMT	890nm	25	30V	1.5V	.51	.43	.31
828—	OP273	N	SMT	890nm	25	30V	1.5V	.51	.43	.31
828—	OP280	O	PLCC-2	890nm	100	30V	1.5V	.52	.44	.32
828—	OP520	L	1206	935nm	-	30V	5V	.41	.35	.25
828—	OP521	L	1206	935nm	-	30V	5V	.41	.35	.25
828—	OP522	M	1206	935nm	-	30V	5V	.41	.35	.25
828—	OP570	N	SMT	935nm	-	30V	5V	.49	.41	.29
828—	OP571	N	SMT	935nm	-	30V	5V	.49	.41	.29
828—	OP572	N	SMT	935nm	-	30V	5V	.49	.41	.29
828—	OP573	N	SMT	935nm	-	30V	5V	.49	.41	.29
828—	OP580	O	PLCC-2	935nm	-	30V	5V	.56	.47	.34

Infrared NPN Phototransistors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Peak Sensitivity Wavelength	VCEO	IC (mA)	Price Each 1	10	100
828—	OP599A	P	890nm	30V	2.35	.66	.54	.50
828—	OP505A	P	935nm	30V	4.30	.59	.49	.45
828—	OP506A	Q	935nm	30V	4.30	.75	.62	.57
828—	OP506B	Q	935nm	30V	2.15	.75	.62	.57
828—	OP550A	R	935nm	30V	2.55	.70	.58	.53
828—	OP598A	S	890nm	30V	7.50	.70	.58	.53
828—	OP598B	S	890nm	30V	5.0	.70	.58	.53
828—	OP805SL	T	890nm	30V	15.0	2.16	1.77	1.62

Fiber Optic LED

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Optical Power Output	Output Rise Time (Typ.) (ns)	Cont. Forward DC Current (mA)	Price Each 1	10	100
828—	OPF1414T	U	-17.3µW / -13.8µW	4.0	100	12.85	10.52	9.64
828—	OPF370A	V	25.0µW / 29.0µW	6.0	100	8.89	7.28	6.68
828—	OPF372A	W	25.0µW / 29.0µW	6.0	100	17.43	14.26	13.07

Fiber Optic Pin Photodiodes and Receivers

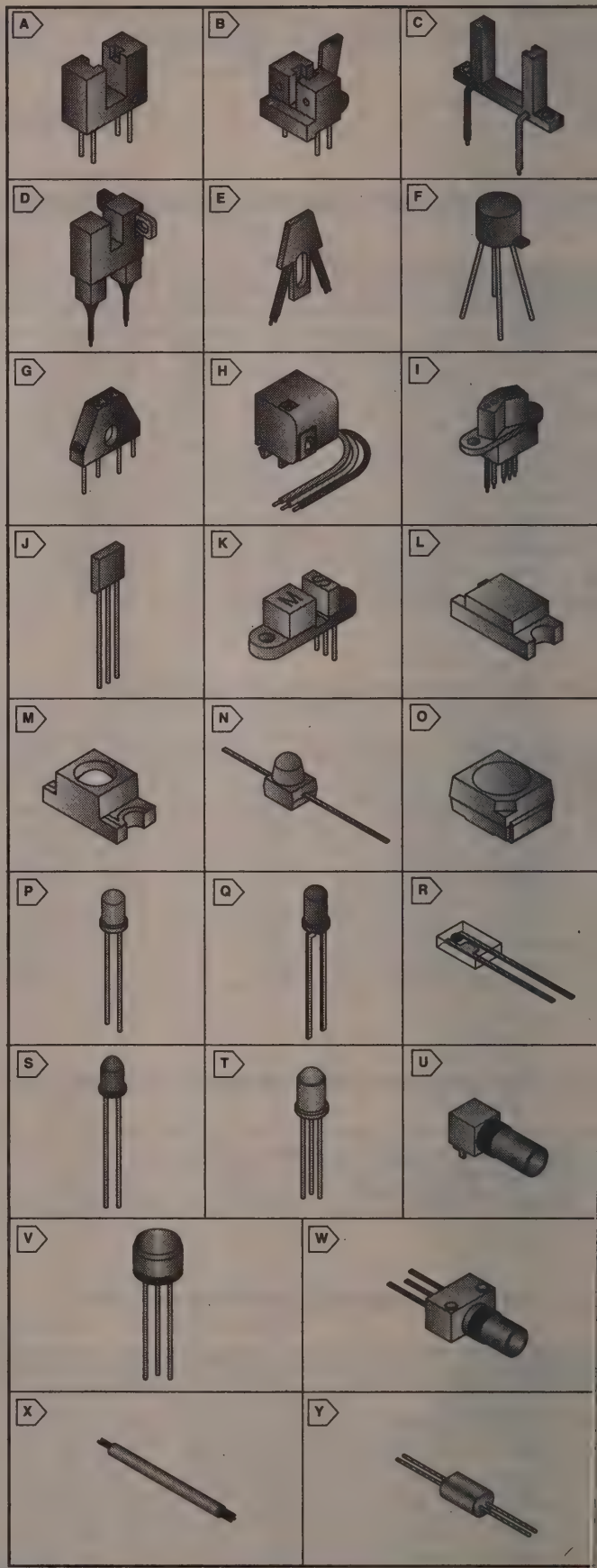
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Responsively Min./Typ.	Output Rise Time (Typ.) (ns)	Output Current (mA)	Price Each 1	10	100
828—	OPF2416T	U	5.3 / 7.0 (mV/µW)	3.3	25	13.86	11.34	10.40
828—	OPF470	V	.45 / .55 (A/W)	6.0	- - -	7.44	6.09	5.58
828—	OPF480	V	.45 / .55 (A/W)	1.0	- - -	7.30	5.98	5.48
828—	OPF482	W	.45 / .55 (A/W)	1.0	- - -	15.49	12.68	11.62

Optoisolators

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Isolation Voltage	Continous Forward Current	Power Dissipation	Price Each 1	10	100
828—	OPI155	X	±50K	50mA	40mw	67.49	49.08	45.40
828—	OPI1264A	Y	±10K	40mA	100mw	2.75	2.00	1.85



SHARP MICROELECTRONICS OF THE AMERICAS PHOTOCOUPLERS

MOUSER STOCK NO.	Sharp Part No.	Pkg.	Output Type	Current Transfer Ratio				Output		Price Each			
				Min (%)	Max (%)	@ Vce	@ If	Vceo Max.	Ic Max.	1	10	25	50
852-PC12310NSZ0F	PC12310NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.67	.57	.48	.38
852-PC12311NSZ0F	PC12311NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.70	.60	.50	.40
852-PC123AJ0000F	PC123AJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.67	.57	.48	.38
852-PC123BJ0000F	PC123BJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.67	.57	.48	.38
852-PC123CJ0000F	PC123CJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.46	.39	.33	.26
852-PC123F1J000F	PC123F1J000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.70	.60	.50	.40
852-PC123F2J000F	PC123F2J000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.70	.60	.50	.40
852-PC123FJ0000F	PC123FJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.67	.57	.48	.38
852-PC123FY1J00F	PC123FY1J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.84	.72	.60	.48
852-PC123FY2J00F	PC123FY2J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.77	.66	.55	.44
852-PC123FY5J00F	PC123FY5J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.77	.66	.55	.44
852-PC123FY8J00F	PC123FY8J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.84	.72	.60	.48
852-PC123FYJ000F	PC123FYJ000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.77	.66	.55	.44
852-PC123J00000F	PC123J00000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.60	.51	.43	.34
852-PC123P2J000F	PC123P2J000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.67	.57	.48	.38
852-PC123PJ0000F	PC123PJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.63	.54	.45	.36
852-PC123PY2J00F	PC123PY2J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.95	.81	.68	.54
852-PC123SJ0000F	PC123SJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.74	.63	.53	.42
852-PC123Y1J000F	PC123Y1J000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.77	.66	.55	.44
852-PC123Y22J00F	PC123Y22J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.32	.27	.23	.18
852-PC123Y23J00F	PC123Y23J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.39	.33	.28	.22
852-PC123Y2J000F	PC123Y2J000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.77	.66	.55	.44
852-PC123Y5J000F	PC123Y5J000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.53	.45	.38	.30
852-PC123YA2J00F	PC123YA2J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.39	.33	.28	.22
852-PC123YC2J00F	PC123YC2J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.39	.33	.28	.22
852-PC123YJ0000F	PC123YJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.74	.63	.53	.42
852-PC123YSJ000F	PC123YSJ000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.84	.72	.60	.48
852-PC123ZY2J00F	PC123ZY2J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.63	.54	.45	.36
852-PC353TJ0000F	PC353TJ0000F	SOP-5	Phototransistor	50	600	5V	5mA	80V	-	.95	1.05	.88	.70
852-PC354N1J000F	PC354N1J000F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	.67	.81	.68	.54
852-PC354N1TJ00F	PC354N1TJ00F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	.70	.81	.68	.54
852-PC354NJ0000F	PC354NJ0000F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	.95	.57	.48	.38
852-PC354NTJ000F	PC354NTJ000F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	1.09	.60	.50	.40
852-PC355NJ0000F	PC355NJ0000F	SOP-4	Phototransistor	120	1500	2V	1mA	35V	80mA	.67	.81	.68	.54
852-PC355NTJ000F	PC355NTJ000F	SOP-4	Phototransistor	120	1500	2V	1mA	35V	80mA	.77	.93	.78	.62
852-PC357N0J000F	PC357N0J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.67	.57	.48	.38
852-PC357N0TJ00F	PC357N0TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.77	.66	.55	.44
852-PC357N1J000F	PC357N1J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.67	.57	.48	.38
852-PC357N1TJ00F	PC357N1TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.77	.66	.55	.44
852-PC357N2J000F	PC357N2J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.67	.57	.48	.38
852-PC357N2TJ00F	PC357N2TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.74	.66	.55	.44
852-PC357N3J000F	PC357N3J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.67	.57	.48	.38
852-PC357N3TJ00F	PC357N3TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.77	.63	.53	.42
852-PC357N4J000F	PC357N4J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.67	.57	.48	.38
852-PC357N4TJ00F	PC357N4TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.77	.66	.55	.44
852-PC357N5J000F	PC357N5J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.67	.57	.48	.38
852-PC357N5TJ00F	PC357N5TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.77	.66	.55	.44
852-PC357N6J000F	PC357N6J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.67	.57	.48	.38
852-PC357N6TJ00F	PC357N6TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.77	.66	.55	.44
852-PC357N7J000F	PC357N7J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.67	.57	.48	.38
852-PC357N7TJ00F	PC357N7TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.77	.66	.55	.44
852-PC357N8J000F	PC357N8J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.63	.57	.48	.38
852-PC357N8TJ00F	PC357N8TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.77	.66	.55	.44
852-PC357N9J000F	PC357N9J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.63	.54	.45	.36
852-PC357N9TJ00F	PC357N9TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.67	.66	.55	.44
852-PC357NJ0000F	PC357NJ0000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.70	.54	.45	.36
852-PC357NTJ000F	PC357NTJ000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.95	.57	.48	.38
852-PC357T13J00F	PC357T13J00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.95	.60	.50	.40
852-PC364N1J000F	PC364N1J000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	35V	80mA	.91	.81	.68	.54
852-PC364N1T000F	PC364N1T000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	35V	80mA	.91	.81	.68	.54
852-PC364NJ0000F	PC364NJ0000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	35V	80mA	.77	.78	.65	.52
852-PC364NTJ000F	PC364NTJ000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	35V	80mA	.74	.78	.65	.52
852-PC365NJ0000F	PC365NJ0000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	35V	80mA	.74	.66	.55	.44
852-PC367N1J000F	PC367N1J000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	80V	50mA	.70	.63	.53	.42
852-PC367N1TJ00F	PC367N1TJ00F	SOP-4	Phototransistor	60	1200	2V	0.5mA	80V	50mA	.74	.63	.53	.42
852-PC367N2J000F	PC367N2J000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	80V	50mA	.67	.60	.50	.40
852-PC367N2TJ00F	PC367N2TJ00F	SOP-4	Phototransistor	60	1200	2V	0.5mA	80V	50mA	.70	.63	.53	.42
852-PC367NJ0000F	PC367NJ0000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	80V	50mA	.91	.57	.48	.38
852-PC367NTJ000F	PC367NTJ000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	80V	50mA	.91	.60	.50	.40
852-PC3H410NIP0F	PC3H410NIP0F	SOP-4	Phototransistor	50	400	-	0.5mA	-	-	.70	.78	.65	.52
852-PC3H411NIP0F	PC3H411NIP0F	SOP-4	Phototransistor	50	400	-	0.5mA	-	-	.67	.78	.65	.52
852-PC3H4AJ0000F	PC3H4AJ0000F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	.74	.60	.50	.40
852-PC3H4J00000F	PC3H4J00000F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	.91	.57	.48	.38
852-PC3H4TKJ000F	PC3H4TKJ000F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	.84	.63	.53	.42
852-PC3H510NIP0F	PC3H510NIP0F	SOP-4	Phototransistor	60	1200	2V	0.5A	80V	-	.70	.78	.65	.52
852-PC3H5J00000F	PC3H5J00000F	SOP-4	Phototransistor	120	1500	2V	1mA	35V	80mA	.77	.72	.60	.48
852-PC3H710NIP0F	PC3H710NIP0F	SOP-4	Phototransistor	100	700	5V	0.5mA	80V	50mA	.77	.60	.50	.40

SHARP MICROELECTRONICS OF THE AMERICAS PHOTOCOUPLERS (Cont.)

MOUSER STOCK NO.	Sharp Part No.	Pkg.	Output Type	Current Transfer Ratio				Output		Price Each			
				Min (%)	Max (%)	@ Vce	@ If	Vceo Max.	Ic Max.	1	10	25	50
852-PC3H711NIP0F	PC3H711NIP0F	SOP-4	Phototransistor	100	700	5V	0.5mA	80V	50mA	.77	.66	.55	.44
852-PC3H712NIP0F	PC3H712NIP0F	SOP-4	Phototransistor	100	700	5V	0.5mA	80V	50mA	.63	.66	.55	.44
852-PC3H715NIP0F	PC3H715NIP0F	SOP-4	Phototransistor	100	700	5V	0.5mA	80V	50mA	.63	.66	.55	.44
852-PC3H7ABJ000F	PC3H7ABJ000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.63	.54	.45	.36
852-PC3H7ACJ000F	PC3H7ACJ000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.63	.54	.45	.36
852-PC3H7ADJ000F	PC3H7ADJ000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.63	.54	.45	.36
852-PC3H7AJ0000F	PC3H7AJ0000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.63	.54	.45	.36
852-PC3H7BCJ000F	PC3H7BCJ000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.67	.54	.45	.36
852-PC3H7BDJ000F	PC3H7BDJ000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.63	.54	.45	.36
852-PC3H7BJ0000F	PC3H7BJ0000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.67	.57	.48	.38
852-PC3H7CDJ000F	PC3H7CDJ000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.67	.54	.45	.36
852-PC3H7CJ0000F	PC3H7CJ0000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.60	.57	.48	.38
852-PC3H7DJ0000F	PC3H7DJ0000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	4.97	.57	.48	.38
852-PC3H7J00000F	PC3H7J00000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	4.45	.51	.43	.34
852-PC3Q410NIP0F	PC3Q410NIP0F	MiniFlat	Phototransistor	50	400	2V	0.5mA	80V	50mA	4.97	4.26	3.55	2.84
852-PC3Q510NIP0F	PC3Q510NIP0F	MiniFlat	Phototransistor	60	1200	2V	0.5mA	80V	50mA	5.15	3.81	3.18	2.54
852-PC3Q64J0000F	PC3Q64J0000F	MiniFlat	Phototransistor	20	400	-	1mA	80V	50mA	3.71	4.26	3.55	2.84
852-PC3Q64Q5J00F	PC3Q64Q5J00F	MiniFlat	Phototransistor	20	400	-	1mA	80V	50mA	4.17	4.41	3.68	2.94
852-PC3Q64QKJ00F	PC3Q64QKJ00F	MiniFlat	Phototransistor	20	400	-	1mA	80V	50mA	4.13	3.18	2.65	2.12
852-PC3Q65J0000F	PC3Q65J0000F	MiniFlat	Phototransistor	120	1500	2V	1mA	35V	80mA	2.21	3.57	2.98	2.38
852-PC3Q67J0000F	PC3Q67J0000F	MiniFlat	Phototransistor	120	1500	2V	1mA	80V	50mA	3.99	3.54	2.95	2.36
852-PC3Q67QKJ00F	PC3Q67QKJ00F	MiniFlat	Phototransistor	120	1500	2V	1mA	80V	50mA	3.47	1.89	1.58	1.26
852-PC3Q710NIP0F	PC3Q710NIP0F	MiniFlat	Phototransistor	100	600	5V	0.5mA	80V	50mA	3.33	3.42	2.85	2.28
852-PC713V2NSZXF	PC713V2NSZXF	DIP-6	Phototransistor	50	600	5V	5mA	80V	50mA	1.30	.75	.63	.50
852-PC81100NSZ0F	PC81100NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	20mA	.74	.72	.60	.48
852-PC81101NSZ0F	PC81101NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	20mA	.63	.75	.63	.50
852-PC81102NSZ0F	PC81102NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	20mA	.67	.75	.63	.50
852-PC81103NSZ0F	PC81103NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	20mA	.77	.75	.63	.50
852-PC81105NSZ0F	PC81105NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	20mA	.63	.72	.60	.48
852-PC81106NSZ0F	PC81106NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	20mA	.77	.72	.60	.48
852-PC81108NSZ0F	PC81108NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	20mA	.63	.72	.60	.48
852-PC81410NSZ0F	PC81410NSZ0F	DIP-4	Phototransistor	50	600	-	5mA	80V	50mA	.74	.66	.55	.44
852-PC81411NSZ0F	PC81411NSZ0F	DIP-4	Phototransistor	50	600	-	5mA	80V	50mA	.63	.75	.63	.50
852-PC814X1J000F	PC814X1J000F	DIP-4	Phototransistor	20	300	5V	1mA	80V	50mA	.74	.51	.43	.34
852-PC814XJ0000F	PC814XJ0000F	DIP-4	Phototransistor	20	300	5V	1mA	80V	50mA	.63	.48	.40	.32
852-PC814XP1J00F	PC814XP1J00F	DIP-4	Phototransistor	20	300	5V	1mA	80V	50mA	.74	.72	.60	.48
852-PC814XPJ000F	PC814XPJ000F	DIP-4	Phototransistor	20	300	5V	1mA	80V	50mA	.63	.72	.60	.48
852-PC81510NSZ0F	PC81510NSZ0F	DIP-4	Phototransistor	60	1200	2V	0.5mA	35V	-	.46	.81	.68	.54
852-PC81710NIP0F	PC81710NIP0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.53	.63	.53	.42
852-PC81710NSZ0F	PC81710NSZ0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.53	.54	.45	.36
852-PC81710NSZJF	PC81710NSZJF	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.46	.57	.48	.38
852-PC81711NIP0F	PC81711NIP0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.42	.66	.55	.44
852-PC81711NSZ0F	PC81711NSZ0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.60	.54	.45	.36
852-PC81712NIP0F	PC81712NIP0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.56	.66	.55	.44
852-PC81712NSZ0F	PC81712NSZ0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	2.21	.54	.45	.36
852-PC81713NIP0F	PC81713NIP0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	2.31	.63	.53	.42
852-PC81713NSZ0F	PC81713NSZ0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	2.17	.54	.45	.36
852-PC81716NIP0F	PC81716NIP0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	3.71	.63	.53	.42
852-PC81716NSZ0F	PC81716NSZ0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	1.93	.54	.45	.36
852-PC81718NIP0F	PC81718NIP0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	1.93	.63	.53	.42
852-PC81718NSZ0F	PC81718NSZ0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	1.75	.54	.45	.36
852-PC817X1J000F	PC817X1J000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	1.96	.39	.33	.26
852-PC817X2J000F	PC817X2J000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	1.75	.39	.33	.26
852-PC817X3J000F	PC817X3J000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.88	.39	.33	.26
852-PC817X4J000F	PC817X4J000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.77	.39	.33	.26
852-PC817X7J000F	PC817X7J000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.91	.45	.38	.30
852-PC817X9J000F	PC817X9J000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.95	.45	.38	.30
852-PC817XI1J00F	PC817XI1J00F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.88	.45	.38	.30
852-PC817XI2J00F	PC817XI2J00F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.95	.45	.38	.30
852-PC817XIJ000F	PC817XIJ000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.98	.39	.33	.26
852-PC817XJ0000F	PC817XJ0000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.91	.36	.30	.24
852-PC817XP7J00F	PC817XP7J00F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	1.02	.51	.43	.34
852-PC817XPJ000F	PC817XPJ000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	1.61	.48	.40	.32
852-PC844IJ1J00F	PC844IJ1J00F	DIP-16	Phototransistor	20	300	5V	1mA	80V	50mA	1.54	1.89	1.58	1.26
852-PC844X1J000F	PC844X1J000F	DIP-16	Phototransistor	20	300	5V	1mA	80V	50mA	1.12	1.98	1.65	1.32
852-PC844XJ0000F	PC844XJ0000F	DIP-16	Phototransistor	20	300	5V	1mA	80V	50mA	1.54	1.86	1.55	1.24
852-PC847X0J000F	PC847X0J000F	DIP-16	Phototransistor	50	600	5V	5mA	80V	50mA	3.01	1.65	1.38	1.10
852-PC847X5J000F	PC847X5J000F	DIP-16	Phototransistor	50	600	5V	5mA	80V	50mA	3.29	1.65	1.38	1.10
852-PC847X7J000F	PC847X7J000F	DIP-16	Phototransistor	50	600	5V	5mA	80V	50mA	3.89	1.50	1.25	1.00
852-PC847XIJ000F	PC847XIJ000F	DIP-16	Phototransistor	50	600	5V	5mA	80V	50mA	4.24	1.68	1.40	1.12
852-PC847XJ0000F	PC847XJ0000F	DIP-16	Phototransistor	50	600	5V	5mA	80V	50mA	8.19	1.50	1.25	1.00
852-PC852XIJ000F	PC852XIJ000F	DIP-4	Phototransistor	200	3000	2V	1mA	350V	50mA	2.45	.81	.68	.54
852-PC852XJ0000F	PC852XJ0000F	DIP-4	Phototransistor	200	3000	2V	1mA	350V	50mA	4.34	.75	.63	.50
852-PC852XPJ000F	PC852XPJ000F	DIP-4	Phototransistor	200	3000	2V	1mA	350V	50mA	5.11	.81	.68	.54
852-PC853XIJ000F	PC853XIJ000F	DIP-4	Phototransistor	200	3000	2V	1mA	350V	50mA	5.25	.84	.70	.56
852-PC853XJ0000F	PC853XJ0000F	DIP-4	Phototransistor	200	3000	2V	1mA	350V	50mA	1.58	.78	.65	.52
852-PC853XPJ000F	PC853XPJ000F	DIP-4	Phototransistor	200	3000	2V	1mA	350V	50mA	2.80	.87	.73	.58

PHOTO TRANSISTOR OUTPUT

♦Surface Mount Devices

Safety Standards:
- UL = UL Recognized (E76222)
- UL/VDE = UL Recognized (E76222) and VDE Recognized

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part Number	Fig.	Package	Safety Standard	IF (mA)	BVCEO (V)	BVECO (V)	Rise and Fall Times Typ. (us)	Isolation Voltage (VRMS)	Current Transfer Ratio (Min./Typ./Max.) (%)	Price Each 1	100	500	1000
78—4N25	A	DIP-6	UL	60	30	7.0	2.0/2.0	5.3kV	20/50/----	.29	.23	.20	.17
78—4N26	A	DIP-6	UL	60	30	7.0	2.0/2.0	5.3kV	20/50/----	.29	.23	.20	.17
78—4N27	A	DIP-6	UL	60	30	7.0	2.0/2.0	5.3kV	10/30/----	.29	.23	.19	.17
78—4N28	A	DIP-6	UL	60	30	7.0	2.0/2.0	5.3kV	10/30/----	.29	.23	.19	.17
78—4N35	A	DIP-6	UL	60	30	7.0	10.0	5.3kV	40/50/----	.29	.23	.20	.17
78—4N36	A	DIP-6	UL	60	30	7.0	10.0	5.3kV	40/50/----	.29	.23	.20	.17
78—4N37	A	DIP-6	UL	60	30	7.0	10.0	5.3kV	40/50/----	.29	.23	.20	.17
782—CNY17-1	A	DIP-6	UL	60	70	7.0	2.0/2.0	5.3kV	40/80/----	.33	.26	.21	.19
782—CNY17-2	A	DIP-6	UL	60	70	7.0	2.0/2.0	5.3kV	63/125/----	.38	.30	.25	.22
782—CNY17-3	A	DIP-6	UL	60	70	7.0	2.0/2.0	5.3kV	100/200/----	.38	.30	.25	.22
782—CNY17-4	A	DIP-6	UL	60	70	7.0	2.0/2.0	5.3kV	160/320/----	.38	.30	.25	.22
78—CNY64	B	DIP-4	UL/VDE	75	32	7.0	5.0/3.0	8.2kV	0.5/1.0/3.0	1.66	1.33	1.09	.96
78—CNY65	B	DIP-4	UL/VDE	75	32	7.0	5.0/3.0	8.2kV	0.5/1.0/3.0	1.66	1.33	1.13	.99
78—CNY66	B	DIP-4	UL/VDE	75	32	7.0	5.0/3.0	8.2kV	0.5/1.0/3.0	2.76	2.21	1.82	1.60
782—H11A1	A	DIP-6	UL	60	70	7.0	3.0/3.0	5.3kV	50/----/----	.45	.36	.30	.26
782—H11A2	A	DIP-6	UL	60	70	7.0	3.0/3.0	5.3kV	20/----/----	.45	.36	.30	.26
782—H11A3	A	DIP-6	UL	60	70	7.0	3.0/3.0	5.3kV	20/----/----	.45	.36	.30	.26
782—H11A4	A	DIP-6	UL	60	70	7.0	3.0/3.0	5.3kV	10/----/----	.45	.36	.30	.26
782—H11A5	A	DIP-6	UL	60	70	7.0	3.0/3.0	5.3kV	30/----/----	.45	.36	.30	.26
782—MCT2	A	DIP-6	UL	60	70	7.0	3.0/3.0	5.3kV	20/60/----	.45	.36	.30	.26
782—MCT270	A	DIP-6	UL	60	70	7.0	10.0/10.0	5.3kV	50/----/----	.45	.36	.30	.26
782—MCT271	A	DIP-6	UL	60	70	7.0	7.0/7.0	5.3kV	45/----/----	.45	.36	.30	.26
782—MCT2E	A	DIP-6	UL	60	70	7.0	3.0/3.0	5.3kV	20/60/----	.45	.36	.30	.26
782—MCT5210	A	DIP-6	UL	40	30	7.0	10.0/10.0	5.3kV	70/150/----	.93	.74	.61	.54
782—MCT5211	A	DIP-6	UL	40	30	7.0	20.0/20.0	5.3kV	150/300/----	.95	.76	.63	.55
78—TCDT1100	C	DIP-6	UL/VDE	60	32	7.0	11.0/7.0	3.75kV	0.4/----/----	.33	.26	.22	.19
78—TCDT1101	C	DIP-6	UL/VDE	60	32	7.0	11.0/7.0	3.75kV	0.4/----/0.8	.33	.26	.22	.19
78—TCDT1102	C	DIP-6	UL/VDE	60	32	7.0	11.0/7.0	3.75kV	0.63/----/1.25	.33	.26	.22	.20
78—TCDT1103	C	DIP-6	UL/VDE	60	32	7.0	11.0/7.0	3.75kV	1.0/----/2.0	.33	.26	.22	.20
78—TCDT1120	C	DIP-6	UL/VDE	60	90	7.0	5.5/4.0	3.75kV	0.1/----/----	.33	.26	.22	.19
78—TCDT1122	C	DIP-6	UL/VDE	60	90	7.0	5.5/4.0	3.75kV	0.15/----/----	.35	.28	.23	.20
78—TCDT1123	C	DIP-6	UL/VDE	60	90	7.0	5.5/4.0	3.75kV	0.3/----/----	.33	.26	.22	.19
78—TCDT1124	C	DIP-6	UL/VDE	60	90	7.0	5.5/4.0	3.75kV	0.6/----/----	.35	.28	.23	.21
782—TCET1100	D	DIP-4	UL/VDE	60	70	7.0	3.0/4.7	5.0kV	0.5/----/6.0	.28	.22	.18	.16
782—TCET1101	D	DIP-4	UL/VDE	60	70	7.0	3.0/4.7	5.0kV	0.4/----/0.8	.26	.21	.17	.15
782—TCET1102	D	DIP-4	UL/VDE	60	70	7.0	3.0/4.7	5.0kV	0.63/----/1.25	.26	.21	.17	.15
782—TCET1103	D	DIP-4	UL/VDE	60	70	7.0	3.0/4.7	5.0kV	1.0/----/2.0	.26	.21	.17	.15
782—TCET1104	D	DIP-4	UL/VDE	60	70	7.0	3.0/4.7	5.0kV	1.6/----/3.2	.28	.22	.18	.16
782—TCET1105	D	DIP-4	UL/VDE	60	70	7.0	3.0/4.7	5.0kV	0.5/----/1.5	.26	.21	.17	.15
782—TCET1106	D	DIP-4	UL/VDE	60	70	7.0	3.0/4.7	5.0kV	1.0/----/3.0	.26	.21	.17	.15
782—TCET1107	D	DIP-4	UL/VDE	60	70	7.0	3.0/4.7	5.0kV	0.8/----/1.6	.26	.21	.17	.15
782—TCET1108	D	DIP-4	UL/VDE	60	70	7.0	3.0/4.7	5.0kV	1.3/----/2.6	.28	.22	.18	.16
♦782—TCLT1000	D	SO-4L	UL/VDE	60	70	7.0	3.0/4.7	8.0kV	0.5/----/6.0	.38	.31	.25	.22
♦782—TCLT1001	D	SO-4L	UL/VDE	60	70	7.0	3.0/4.7	8.0kV	0.4/----/0.8	.38	.31	.25	.22
♦782—TCLT1002	D	SO-4L	UL/VDE	60	70	7.0	3.0/4.7	8.0kV	0.63/----/1.25	.38	.31	.25	.22
♦782—TCLT1003	D	SO-4L	UL/VDE	60	70	7.0	3.0/4.7	8.0kV	1.0/----/2.0	.38	.31	.25	.22
♦782—TCLT1005	D	SO-4L	UL/VDE	60	70	7.0	3.0/4.7	8.0kV	0.5/----/1.5	.38	.31	.25	.22
♦782—TCLT1006	D	SO-4L	UL/VDE	60	70	7.0	3.0/4.7	8.0kV	1.0/----/3.0	.38	.31	.25	.22
♦782—TCLT1007	D	SO-4L	UL/VDE	60	70	7.0	3.0/4.7	8.0kV	0.8/----/1.6	.38	.31	.25	.22
♦782—TCLT1008	D	SO-4L	UL/VDE	60	70	7.0	3.0/4.7	8.0kV	1.3/----/2.6	.38	.31	.25	.22
♦782—TCMT1100	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	50/----/600	.37	.30	.25	.22
♦782—TCMT1102	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	53/----/125	.37	.30	.25	.22
♦782—TCMT1103	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	100/----/200	.37	.30	.25	.22
♦782—TCMT1104	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	160/----/320	.37	.30	.25	.22
♦782—TCMT1105	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	50/----/150	.37	.30	.25	.22
♦782—TCMT1106	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	100/----/300	.37	.30	.25	.22
♦782—TCMT1107	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	80/----/160	.37	.30	.25	.22
♦782—TCMT1108	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	130/----/260	.37	.30	.25	.22
♦782—TCMT1109	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	200/----/400	.37	.30	.25	.22

HIGH VOLTAGE PHOTO TRANSISTOR OUTPUT

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part Number	Fig.	Package	Safety Standard	IF (mA)	BVCEO (V)	BVECO (V)	Rise and Fall Times Typ. (us)	Isolation Voltage (VRMS)	Current Transfer Ratio (Min./Typ./Max) (%)	Price Each 1	100	500	1000
782—4N38	A	DIP-6	UL	60	80	7.0	10.0/10.0	5.3kV	----/30/----	.30	.24	.20	.17
782—H11D1	A	DIP-6	UL	60	300	7.0	2.5/5.5	5.3kV	20/----/----	1.13	.90	.74	.65
782—H11D2	A	DIP-6	UL	60	300	7.0	2.5/5.5	5.3kV	20/----/----	1.13	.90	.74	.65
782—H11D3	A	DIP-6	UL	60	200	7.0	2.5/5.5	5.3kV	20/----/----	.93	.74	.61	.54

DUAL PHOTO TRANSISTOR OUTPUT

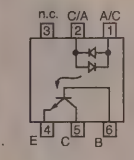
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part Number	Fig.	Package	Safety Standard	IF (mA)	BVCEO (V)	BVECO (V)	Rise and Fall Times Typ. (us)	Isolation Voltage (VRMS)	Current Transfer Ratio (Min./Typ./Max) (%)	Price Each 1	100	500	1000
782—MCT6	E	DIP-8	UL	60	30	7.0	3.0/3.0	5.3kV	20/50/----	.83	.66	.54	.48

VISHAY Optocouplers

BI-DIRECTIONAL INPUT PHOTO TRANSITOR OUTPUT

A

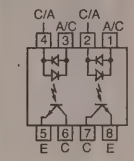


For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part Number	Fig.	Package	Safety Standard	IF (mA)	BVCEO (V)	BVECO (V)	Rise and Fall Times Typ. (us)	Isolation Voltage (VRMS)	Current Transfer Ratio (Min./Typ./Max) (%)	Price Each 1	100	500	1000
782—H11AA1	A	DIP-6	UL	60	30	7.0	----/----	5.3kV	20/----	.80	.64	.53	.46
782—IL250	A	DIP-6	UL/VDE	60	30	5.0	----/----	5.3kV	50/----/----	.93	.74	.61	.54
782—IL251	A	DIP-6	UL/VDE	60	30	5.0	----/----	5.3kV	20/----/----	1.00	.80	.66	.58
782—IL252	A	DIP-6	UL/VDE	60	30	5.0	----/----	5.3kV	100/----/----	1.05	.84	.69	.61
782—ILD250	B	DIP-8	UL/VDE	60	30	5.0	----/----	5.3kV	50/----/----	2.38	1.90	1.57	1.38
782—ILD251	B	DIP-8	UL/VDE	60	30	5.0	----/----	5.3kV	20/----/----	2.63	2.10	1.73	1.52
782—ILD252	B	DIP-8	UL/VDE	60	30	5.0	----/----	5.3kV	100/----/----	3.13	2.50	2.06	1.81

PHOTO DARLINGTON OUTPUT

B

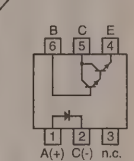


For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part Number	Fig.	Package	Safety Standard	IF (mA)	BVCEO (V)	BVECO (V)	Rise and Fall Times Typ. (us)	Isolation Voltage (VRMS)	Current Transfer Ratio (Min./Typ./Max) (%)	Price Each 1	100	500	1000
78—4N32	C	DIP-6	UL	60	30	5.0	5.0/100 Max	5.3kV	500/----/----	.32	.25	.21	.19
78—4N33	C	DIP-6	UL	60	30	5.0	5.0/100 Max	5.3kV	500/----/----	.32	.25	.21	.19
782—H11B1	C	DIP-6	UL	60	30	7.0	5.0/30	5.3kV	500/----/----	.78	.62	.51	.45
782—H11B2	C	DIP-6	UL	60	30	7.0	5.0/30	5.3kV	200/----/----	.75	.60	.50	.44
782—H11B3	C	DIP-6	UL	60	30	7.0	5.0/30	5.3kV	100/----/----	.75	.60	.50	.44
782—MCA230	C	DIP-6	UL	60	30	7.0	10/35	5.3kV	100/----/----	.68	.54	.45	.35
782—MCA231	C	DIP-6	UL	60	30	7.0	10/35	5.3kV	200/----/----	.68	.54	.45	.39
782—MCA255	C	DIP-6	UL	60	30	7.0	10/35	5.3kV	100/----/----	.68	.54	.45	.39

PHOTO SCR OUTPUT

C

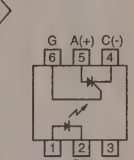


For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part Number	Fig.	Package	Safety Standard	IF (mA)	VF Typ. (V)	IR Max. (V)	Forward Blocking Volt. (Min.) (V)	Isolation Voltage (VRMS)	Turn-On Current (Typ./Max.) (mA)	Price Each 1	100	500	1000
782—4N39	D	DIP-6	UL	60	1.2	10.0	200.0	5.3kV	15/30	2.48	1.98	1.63	1.44
782—H11C4	D	DIP-6	UL	60.0	1.2	10.0	400.0	5.3kV	----/20	2.48	1.98	1.63	1.44
782—H11C5	D	DIP-6	UL	60.0	1.2	10.0	400.0	5.3kV	----/20	2.48	1.98	1.63	1.44
782—H11C6	D	DIP-6	UL	60.0	1.2	10.0	400.0	5.3kV	----/30	2.48	1.98	1.63	1.44

TRIAC DRIVER OUTPUT

D



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part Number	Fig.	Package	Safety Standard	dv/dt V/μs	VDRM (V) (Min.)	IF (mA)	Peak On-State Voltage (Max.) (V)	Isolation Voltage (VRMS)	Emitter Diode Trigger Current (mA) (Typ./Max.)	Price Each 1	100	500	1000
78—K3010P	E	DIP-6	UL/VDE	10	250	80.0	3.0	3.75kV	8.0/15.0	.52	.41	.34	.30
78—K3011P	E	DIP-6	UL/VDE	10	250	80.0	3.0	3.75kV	5.0/10.0	.53	.43	.35	.32
78—K3012P	E	DIP-6	UL/VDE	10	250	80.0	3.0	3.75kV	2.0/5.0	.55	.44	.36	.32
78—K3020P	E	DIP-6	UL/VDE	10	400	80.0	3.0	3.75kV	15.0/30.0	.52	.41	.34	.30
78—K3021P	E	DIP-6	UL/VDE	10	400	80.0	3.0	3.75kV	8.0/15.0	.53	.43	.35	.32
78—K3022P	E	DIP-6	UL/VDE	10	400	80.0	3.0	3.75kV	5.0/10.0	.55	.44	.36	.32
78—K3023P	E	DIP-6	UL/VDE	10	400	80.0	3.0	3.75kV	2.0/5.0	.57	.46	.38	.34

HIGH SPEED PHOTO TRANSISTOR OUTPUT

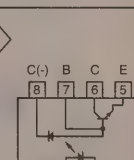
E

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part Number	Fig.	Package	Safety Standard	IF (mA)	Max Sup. Volt. (V)	Data Rate Typ (bit/s)	Delay Time tPHL/tPLH (uS)	Isolation Voltage (VRMS)	Current Transfer Ratio (Min./Typ.) (%)	Price Each 1	100	500	1000
782—6N135	F	DIP-8	UL	25	15	1.0M	0.3/0.3	5.3kV	0.3/0.3/------	.90	.72	.59	.52
782—6N136	F	DIP-8	UL	25	15	1.0M	0.2/0.2	5.3kV	0.2/0.2/------	.93	.74	.61	.54

LOW INPUT CURRENT, HIGH SPEED PHOTO DARLINGTON OUTPUT

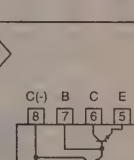
F

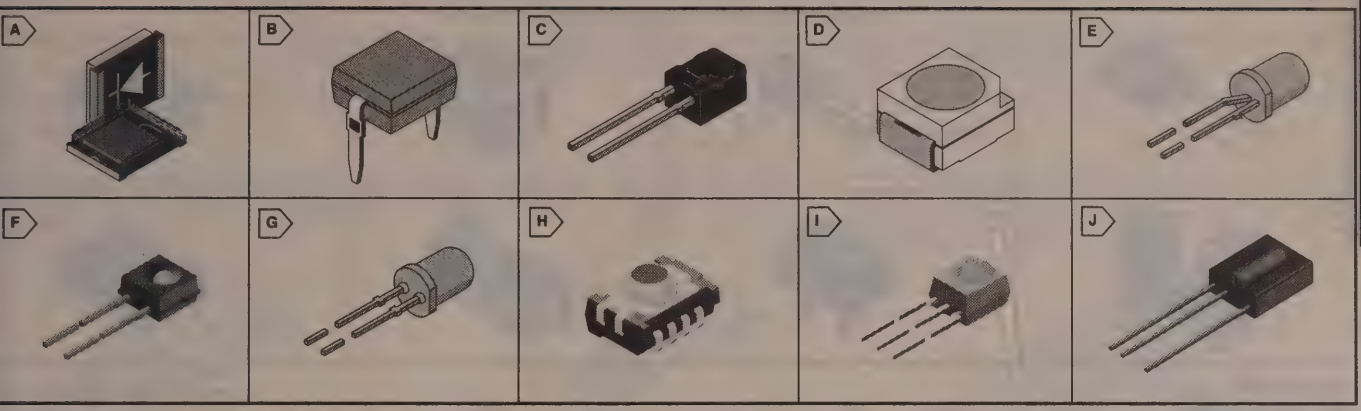


For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part Number	Fig.	Package	Safety Standard	IF (mA)	Max Sup. Volt. (V)	Input Current (mA)	Delay Time tPHL/tPLH (uS)	Isolation Voltage (VRMS)	Current Transfer Ratio (Min./Typ.) (%)	Price Each 1	100	500	1000
782—6N138	G	DIP-8	UL	25	7	0.5	2.0/2.0	5.3kV	300/1600/------	1.00	.80	.66	.58
782—6N139	G	DIP-8	UL	25	18	0.5	6.0/4.0	5.3kV	400/1600/------	1.10	.88	.73	.64

G





DETECTORS

Photo PIN Diodes

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part No.	Fig.	Angle of Half Intensity (°)	Reverse Light Current (min/typ) (uA)	@ Rev. Volt (V)	@Ee (mW/cm²)	@ Wavelength (nm)	Peak Wavelength Sensitivity (nm)	Reverse Dark Current (typ)(nA)	Rise/Fall Times (ns)	Price Each 1	100	500	1000
Surface Mount													
782—TEMD5000	A	+/- 65	40/55	5.0	1.0	950	900	2.0	100/100	1.07	.85	.70	.62
Thru-Hole													
782—BPW34	B	+/- 65	40/50	5.0	1.0	950	900	2.0	100/100	.74	.59	.49	.43
782—BPV22NF	C	+/- 60	55/85	5.0	1.0	870	940	2.0	100/100	.68	.54	.45	.39

Photo Transistors

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part No.	Fig.	Angle of Half Intensity (°)	Collector Dark Current (min/typ) (nA)	@ VCE (V)	DC Current Gain	Peak Wavelength Sensitivity (nm)	Collector Emitter Voltage (max) (V)	Collector Light Current (typ) (mA)	Turn-On/ Turn-Off Times (us)	Price Each 1	100	500	1000
Surface Mount													
782—TEMT3700	D	+/- 60	1/200	20.0	-----	830	70	0.5	6/2	.53	.42	.35	.31
Thru-Hole													
782—BPV11F	E	+/- 15	1/50	10.0	450	930	70	9.0	6/5	.59	.47	.39	.34
782—TEKT5400S	F	+/- 37	1/100	20.0	-----	920	70	4.0	6/5	.57	.46	.38	.33

EMITTERS

For quantities of 2000 and up, call for quote.

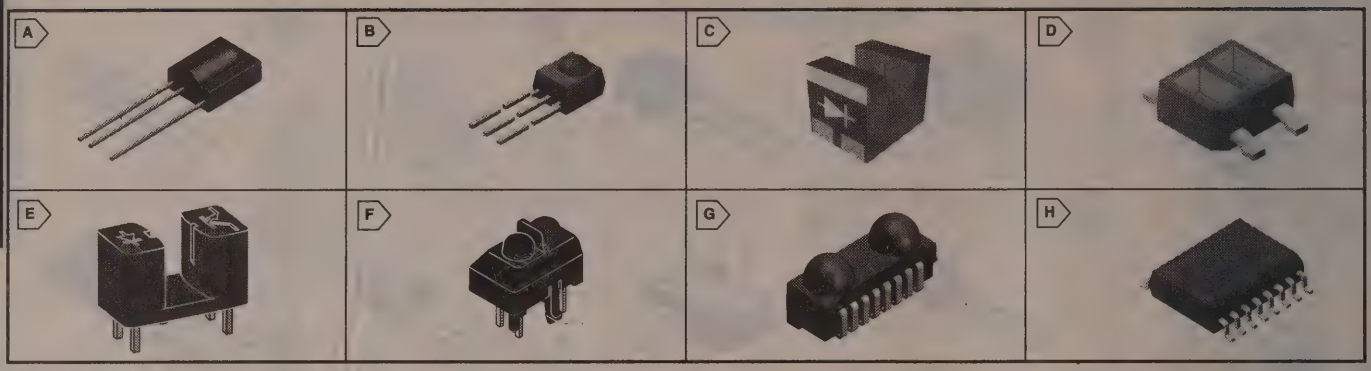
MOUSER STOCK NO. / Mfr. / Mfr. Part No.	Fig.	Angle of Half Intensity (°)	Radiant Intensity @ IF (min/typ) (mW/sr)	(mA)	Forward Voltage @ IF (typ/max) (V)	(mA)	Peak Emission Wavelength (nm)	Reverse Current (uA)	Rise/Fall Times (ns)	Price Each 1	100	500	1000
Surface Mount													
782—TSMF3700	D	+/- 60	---/7	100	1.4/1.7	100	870	10	30/30	.44	.35	.29	.26
782—TSML3710	D	+/- 60	4/8	100	1.35/1.7	100	950	100	800/800	.31	.24	.20	.18
Thru-Hole													
782—TSAL6100	G	+/- 10	40/60	100	1.35/1.6	100	940	10	800/800	.21	.17	.14	.12
782—TSAL6200	G	+/- 17	40/60	100	1.35/1.6	100	940	10	800/800	.21	.17	.14	.12
782—TSAL6400	G	+/- 25	25/40	100	1.35/1.6	100	940	10	800/800	.21	.17	.14	.12
782—TSAL7200	G	+/- 17	40/60	100	1.35/1.6	100	940	10	800/800	.21	.17	.14	.12
782—TSAL7400	G	+/- 25	25/40	100	1.35/1.6	100	940	10	800/800	.21	.17	.14	.12
782—TSKS5400S	F	+/- 30	2.0/---	50	1.3/1.7	100	950	-----	400/450	.54	.43	.35	.31

RECEIVERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part No.	Fig.	Supply Voltage (V)	Supply Current (Typ.)(mA)	Carrier Frequency (kHz)	Trans. Dist. (m)	Cont. Data Trans.	Power Consumption (mW)	Directivity (°)	Burst Length Cycles/Burst	Price Each 1	100	500	1000
Surface Mount													
782—TSOP36136	H	2.7 to 5.5	1.2	36.0	35.0	2200 bits/sec	30.0	+/- 45	=>6	1.50	1.20	.99	.87
782—TSOP36138	H	2.7 to 5.5	1.2	38.0	35.0	2200 bits/sec	30.0	+/- 45	=>6	1.50	1.20	.99	.87
782—TSOP36156	H	2.7 to 5.5	1.2	56.0	35.0	2200 bits/sec	30.0	+/- 45	=>6	1.50	1.20	.99	.87
782—TSOP36236	H	2.7 to 5.5	1.2	36.0	35.0	800 bits/sec	30.0	+/- 45	=>6	1.38	1.10	.91	.80
782—TSOP36238	H	2.7 to 5.5	1.2	38.0	35.0	800 bits/sec	30.0	+/- 45	=>6	1.38	1.10	.91	.80
782—TSOP36256	H	2.7 to 5.5	1.2	56.0	35.0	800 bits/sec	30.0	+/- 45	=>6	1.38	1.10	.91	.80
782—TSOP5700	H	2.7 to 5.5	2.0	455.0	50.0	20k bits/sec	50.0	+/- 50	=>22 to 500	2.73	2.18	1.80	1.58
782—TSOP6136	H	4.5 to 5.5	1.2	36.0	35.0	4000 bits/sec	50.0	+/- 50	=>6	1.38	1.10	.91	.80
782—TSOP6138	H	4.5 to 5.5	1.2	38.0	35.0	4000 bits/sec	50.0	+/- 50	=>6	1.38	1.10	.91	.80
782—TSOP6156	H	4.5 to 5.5	1.2	56.0	35.0	4000 bits/sec	50.0	+/- 50	=>6	1.38	1.10	.91	.80
782—TSOP6236	H	4.5 to 5.5	1.1	36.0	35.0	800 bits/sec	50.0	+/- 50	=>10	1.32	1.06	.87	.77
782—TSOP6238	H	4.5 to 5.5	1.1	38.0	35.0	800 bits/sec	50.0	+/- 50	=>10	1.32	1.06	.87	.77
782—TSOP6256	H	4.5 to 5.5	1.1	56.0	35.0	800 bits/sec	50.0	+/- 50	=>10	1.32	1.06	.87	.77
Thru-Hole													
782—TSOP32136	I	2.7 to 5.5	1.2	36.0	35.0	4000 bits/sec	30.0	+/-45	=>6	1.25	1.00	.83	.73
782—TSOP32138	I	2.7 to 5.5	1.2	38.0	35.0	4000 bits/sec	30.0	+/-45	=>6	1.25	1.00	.83	.73
782—TSOP32156	I	2.7 to 5.5	1.2	56.0	35.0	4000 bits/sec	30.0	+/-45	=>6	1.25	1.00	.83	.73
782—TSOP34136	I	2.7 to 5.5	1.2	36.0	35.0	4000 bits/sec	30.0	+/-45	=>6	1.25	1.00	.83	.73
782—TSOP34138	I	2.7 to 5.5	1.2	38.0	35.0	4000 bits/sec	30.0	+/-45	=>6	1.25	1.00	.83	.73
782—TSOP34156	I	2.7 to 5.5	1.2	56.0	35.0	4000 bits/sec	30.0	+/-45	=>6	1.25	1.00	.83	.73
782—TSOP32236	I	2.7 to 5.5	1.2	36.0	35.0	800 bits/sec	30.0	+/-45	=>10	1.14	.91	.75	.66
782—TSOP32238	I	2.7 to 5.5	1.2	38.0	35.0	800 bits/sec	30.0	+/-45	=>10	1.14	.91	.75	.66
782—TSOP32256	I	2.7 to 5.5	1.2	56.0	35.0	800 bits/sec	30.0	+/-45	=>10	1.14	.91	.76	.66
782—TSOP34836	I	2.7 to 5.5	1.2	36.0	35.0	800 bits/sec	30.0	+/-45	=>10	1.14	.91	.76	.66
782—TSOP34838	I	2.7 to 5.5	1.2	38.0	35.0	800 bits/sec	30.0	+/-45	=>10	1.14	.91	.76	.66
782—TSOP34856	I	2.7 to 5.5	1.2	56.0	35.0	800 bits/sec	30.0	+/-45	=>10	1.14	.91	.75	.66
782—TSOP7000	I	2.7 to 5.5	2.0	455.0	20.0	20k bits/sec	30.0	+/-45	=>22 to 500	2.55	2.04	1.68	1.48
782—TSOP1100	J	4.5 to 5.5	1.2	33.0 to 57	35.0	4000 bits/sec	50.0	+/- 45	=>6	1.50	1.20	.99	.87
782—TSOP1136	J	4.5 to 5.5	1.2	36.0	35.0	4000 bits/sec	50.0	+/- 45	=>6	1.14	.91	.75	.66
782—TSOP1138	J	4.5 to 5.5	1.2	38.0	35.0	4000 bits/sec	50.0	+/- 45	=>6	1.14	.91	.75	.66

VISHAY Opto Components



RECEIVERS (cont.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part No.	Fig.	Supply Voltage (V)	Supply Current (Typ.)(mA)	Carrier Frequency (kHz)	Trans. Dist. (m)	Cont. Data Trans.	Power Consumption (mW)	Directivity (°)	Burst Length Cycles/Burst	Price Each 1	100	500	1000
Thru-Hole													
782—TSOP1156	A	4.5 to 5.5	1.2	56.0	35.0	4000 bits/sec	50.0	+/- 45	=>6	1.14	.91	.75	.66
782—TSOP2136	A	4.5 to 5.5	1.2	36.0	35.0	4000 bits/sec	50.0	+/-45	=>6	1.14	.91	.75	.66
782—TSOP2138	A	4.5 to 5.5	1.2	38.0	35.0	4000 bits/sec	50.0	+/-45	=>6	1.14	.91	.75	.66
782—TSOP2156	A	4.5 to 5.5	1.2	56.0	35.0	4000 bits/sec	50.0	+/-45	=>6	1.14	.91	.75	.66
782—TSOP4136	A	4.5 to 5.5	1.2	36.0	35.0	4000 bits/sec	50.0	+/-45	=>6	1.14	.91	.75	.66
782—TSOP4138	A	4.5 to 5.5	1.2	38.0	35.0	4000 bits/sec	50.0	+/-45	=>6	1.14	.91	.75	.66
782—TSOP4156	A	4.5 to 5.5	1.2	56.0	35.0	4000 bits/sec	50.0	+/-45	=>6	1.14	.91	.75	.66
782—TSOP1230	A	4.5 to 5.5	0.6	30.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.08	.86	.71	.63
782—TSOP1236	A	4.5 to 5.5	0.6	36.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.08	.86	.71	.63
782—TSOP1238	A	4.5 to 5.5	0.6	38.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.08	.86	.71	.63
782—TSOP1240	A	4.5 to 5.5	0.6	40.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.08	.86	.71	.63
782—TSOP1256	A	4.5 to 5.5	0.6	56.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.08	.86	.71	.63
782—TSOP2236	B	4.5 to 5.5	1.2	36.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.08	.86	.71	.63
782—TSOP2238	B	4.5 to 5.5	1.2	38.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.08	.86	.71	.63
782—TSOP2256	B	4.5 to 5.5	1.2	56.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.08	.86	.71	.63
782—TSOP4830	B	4.5 to 5.5	1.1	30.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.08	.86	.71	.63
782—TSOP4836	B	4.5 to 5.5	1.1	36.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.08	.86	.71	.63
782—TSOP4838	B	4.5 to 5.5	1.1	38.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.08	.86	.71	.63
782—TSOP4840	B	4.5 to 5.5	1.1	40.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.08	.86	.71	.63
782—TSOP4856	B	4.5 to 5.5	1.1	56.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.08	.86	.71	.63

SENSORS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part No.	Fig.	VCEO (min) (V)	@ IC (mA)	Forward Voltage (typ.)(V)	Reverse Current (max.)(uA)	Resolution (mm)	Aperture (mm)	Dist./Gap (mm)	Rise/Fall Times (typ.)(us)	Price Each 1	100	500	1000
Surface Mount													
782—TCPT1200	C	70	1	1.2	10.0	0.24	0.3	2.0	20/30	1.28	1.03	.85	.74
782—TCNT1000	D	30	1	1.2	10.0	-----	-----	1.0	20/20	1.20	.96	.79	.70
Thru-Hole													
782—TCST1230	E	70	1	1.25	-----	0.4	0.5	3.0	15/10	.72	.58	.48	.42
782—TCRT5000	F	70	1	1.25	-----	-----	-----	12.0	-----	.74	.59	.49	.43

IrDA -TRANSCEIVERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part No.	Fig.	Type	Operating Voltage (V)	Supply Current (mA)	Data Rate (min/max) (kbits/s)	Transmit Distance (m)	Logic Voltage (V)	Output Sink Current (mA)	Power Dissipation (max)(mW)	Price Each 1	100	500	1000
Surface Mount													
782—TFDU4100	G	Serial	2.7 to 5.5	1.3	2.4/115.2	0.3 to 3.0	Vlog=VCC	25.0	200.0	2.50	2.00	1.65	1.45
782—TFDU4300	G	Serial	2.4 to 5.5	0.0001	2.4/115.2	0 to 0.7	Vlog=> 1.5V	25.0	250.0	2.50	2.00	1.65	1.45
782—TFDU5103	G	Fast	2.7 to 5.5	0.0005	576/1152	0 to 1.0	Vlog=VCC	25.0	500.0	3.75	3.00	2.48	2.18
782—TFDU5307	G	Fast	2.7 to 5.5	0.0005	576/1152	0 to 0.7	Vlog=> 1.5V	25.0	500.0	3.75	3.00	2.48	2.18
782—TFDU6102	G	Fast	2.7 to 5.5	3.0	-----/4000	0 to 1.0	Vlog=VCC	25.0	500.0	4.50	3.60	2.97	2.61
782—TFBS6614	G	Fast	2.7 to 5.5	1.6	-----/4000	0 to 1.0	Vlog=> 1.5V	25.0	500.0	4.50	3.60	2.97	2.61

IrDA -ENCODER/DECODER

The TOIM4232 Endec IC provides proper pulse shaping for the SIR IrDA front end infrared transceivers as of the 4000-series. For transmitting the TOIM4232 shortens the RS232 output signal to IrDA compatible electrical pulses to drive the infrared transmitter. In the receive mode the TOIM4232 stretches the received infrared pulse to the proper bit width depending on the operating bit rate. The IrDA bit rate varies from 2.4 kbit/s to 115.2 kbit/s. The TOIM4232 is using a crystal clock 3.6864 MHz for its pulse stretching and shortening. The clock can be generated by the internal oscillator. An external oscillator can be used too. The TOIM4232 is programmable to operate from 1200 bit/s to 115.2 kbit/s by the communication software through the RS232 port. The output pulses are software programmable as either 1,627 us or 3/16 of bit time. The typical power consumption is very low with about 10 mW in operational state and in the order of a few microwatts in standby mode.

For quantities of 2000 and up, call for quote.

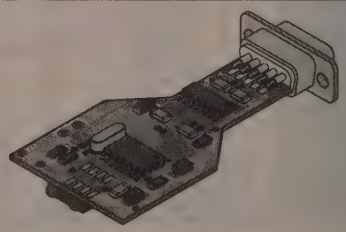
MOUSER STOCK NO. / Mfr. / Mfr. Part No.	Fig.	Type	Operating Voltage (V)	Input Voltage (High/Low) (Typ) (V)	Output Voltage High/Low (Min/Max) (V)	Data Rate (Min/Max) (kbits/s)	Consumption Current Standby (Max) (nA)	Consumption Current Dynamic (Typ) mA)	Price Each 1	100	500	1000
Surface Mount												
782—TOIM4232	H	Serial	2.7 to 3.6	1.7/1.1	2.0/0.4	2.4/115.2	1.0	2.0	5.00	4.00	3.30	2.90

IrDA TRANSCEIVER EVALUATION BOARD

The IrDA Transceiver Evaluation Board will allow engineers to easily prove a concept and aid in product development.
The Evaluation Board includes the TFDU4100 Transceiver and TOIM4232 Encoder/Decoder along with all supporting components.

The IRA41004232-KIT is a prepackaged kit which is made up of two IRA41004232 boards and a CD that contains a Self-Test program, Application Notes, data sheets and instructions.

MOUSER STOCK NO.	Vishay Part No.	Description	Price Each
782-IRA41004232	IRA41004232	IrDA Evaluation Board	140.00
782-IRA41004232-KIT	IRA41004232-KIT	IrDA Evaluation Kit	285.00



DLP DESIGN USB Interface Products

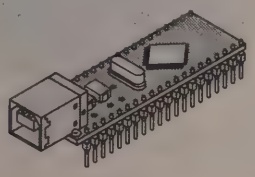
"Add USB to your next project--it's easier than you might think!"

DLP Design's USB Interface products provide a high-speed, hot-swappable, user-friendly connection between your electronic device and a host PC. The USB interface will provide up to 500mA at 5 volts of power for your electronics. These boards make the extremely complex USB Interface easy for just about anyone to start using, without requiring any in-depth prior knowledge.

DUAL CHANNEL USB ADAPTORS

626-DLP2232M

The DLP-2232M uses FTDI's FT2232C 3RD generation Dual Channel USB-FIFO/UART and offers a simple solution for interfacing ASIC/MCU/FPGA/DSP based designs to a host computer via USB. Each channel can be configured for either USB-UART or USB-FIFO via the on-board setup EEPROM. Rev 3 silicon from FTDI. No in-depth knowledge of USB required!

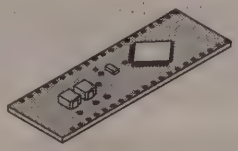


626-DLP2232M

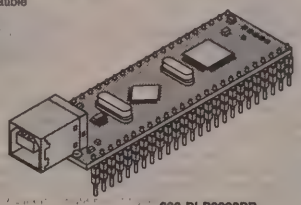
626-DLP2232ML

Same functional design as the DLP-2232M, the DLP-2232ML is perfect for space constrained designs.

- Dual channel, each can be configured for USB-FIFO or USB-UART
- Up to 8 megabit per second data rate
- USB 1.1/2.0 Compatible



626-DLP2232ML



626-DLP2232PB

626-DLP2232PB

The DLP-2232PB uses FTDI's 3RD generation FT2232C USB IC and a PIC Microchip 16F877A to form a rapid prototyping development tool. On-board firmware uploader included - no device programmer required!

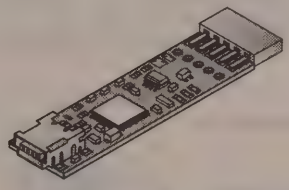
- Simple USB-FIFO interface to PIC Microchip 16F877A microcontroller
- On-board device programmer for uploading firmware to the 16F877A - no device programmer required!
- Plugs into a standard 50 pin, 0.9in wide DIP socket
- Example source code provided for Token firmware feature
- Up to 2 megabit per second data rate to host computer.
- USB 1.1/2.0 Compatible

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each			
		1	10	50	100
626-DLP2232M	DLP-2232M	35.00	33.43	32.09	30.95
626-DLP2232ML	DLP-2232ML	35.00	33.43	32.09	30.95
626-DLP2232PB	DLP-2232PB	50.00	45.00	42.00	41.00

626-DLP-TXRX

This USB-to-serial adapter is designed to easily connect a microcontroller/DSP/FPGA/etc to a host PC or upgrade a legacy RS232 device to USB with minimal design effort. Virtual Com Port (VCP) drivers are provided royalty-free that make the DLP-TXRX look like a standard Windows/Linux/Mac RS232 port to the users host program. An attractive quantity discount structure makes this module suitable for incorporation into low- and medium-volume finished products.



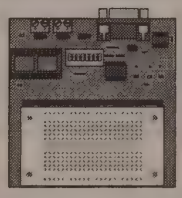
Features:

- Connection to host PC/Mac made via mini USB connector
- As few as 2 wire serial interface (RX, TX and ground)
- Standard baud rates from 300 to 921,600 baud
- Support for non-standard baud rates (ApNote AN232-01)
- Open-collector output available for resetting microcontroller under software control (DTR)
- Input provided for user-selectable interface voltage
- Red and green LEDs to indicate transmit and receive activity

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each			
		1	10	50	100
626-DLP-TXRX	DLP-TXRX	29.00	26.00	25.00	24.50

DLP-PROTO PROTOTYPING BOARD

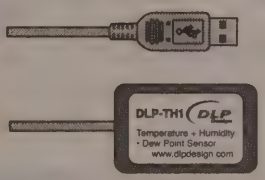


Works with both the DLP-USB232M and DLP-USB245M modules. Great for prototyping new designs. Example source code provided for enabling Bit-bang mode in Visual C++ and Visual Basic. Makes easy work of prototyping and testing USB-to-RS232 designs. LED indicators for data lines and selected status lines.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each		
			1	25	100
626-DLP-PROTO	DLP-PROTO	Prototype testing board. C++ and Visual Basic enabled	90.00	81.82	76.50

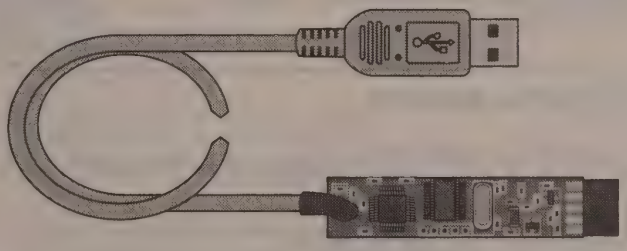
DLP-TH1 TEMPERATURE AND HUMIDITY SENSOR

The DLP-TH1 is shipped with Windows 98/ME/2000/XP compatible software and USB drivers. Additionally, the most recent versions of the application software and USB drivers for the DLP-TH1 are available as a free download from www.dlpdesign.com/usb/th1.html.



MOUSER STOCK NO.	DLP Part No.	Description	Price Each		
			1	25	100
626-DLP-TH1	DLP-TH1	Temp and Humidity Sensor	99.95	91.77	83.49

DLP-FLASH PROGRAMMER



The DLP-FLASH is an innovative USB based adapter for programming both Scenix (Ubicom) and Microchip PIC Flash based MPU's. Not only is it the ideal companion for the DLP USB/Microcontroller modules and training kits, but is a worthy addition to the toolkit of any hobbyist or professional who develops projects using either family of MPU's.

No additional cables or external power source required. All power is taken from the USB port via the provided USB cable. In-circuit programming -- no more loading the target microcontroller into a device programmer. Full application software provided.

Compatible With:	
PIC Microchip	Scenix/Ubicom
16F84A	SX28
16F870	SX48
16F871	
16F872	
16F873	
16F874	
16F876	
16F877	

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each		
			1	25	100
626-DLP-FLASH	DLP-FLASH	DLP-Flash Device Programmer	85.00	77.27	72.25

DLP DESIGN USB Interface Products

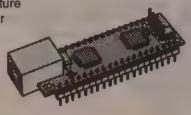
"Add USB to your next project--it's easier than you might think!"

DLP Design's USB Interface products provide a high-speed, hot-swappable, user-friendly connection between your electronic device and a host PC. The USB interface will provide up to 500mA at 5 volts of power for your electronics. These boards make the extremely complex USB Interface easy for just about anyone to start using, without requiring any in-depth prior knowledge.

USB MICROCONTROLLER DEVELOPMENT BOARDS

DLP-245SY

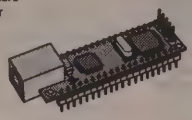
- Simple USB-FIFO interface to Ubicom SX48 microcontroller (50MHz)
- Plugs into a standard 40-pin, 0.6in wide DIP socket
- Example source code provided for Token firmware feature
- Up to 7 megabit per second data rate to host computer
- USB 1.1 compliant
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required



The DLP-245SY is a powerful integrated module based on the DLP-USB245M USB-FIFO adapter coupled with a Ubicom SX48 microcontroller and royalty free USB drivers. It plugs into a standard 40 pin 0.6in wide DIP socket and is ideal for rapid prototyping and development of USB / Ubicom based designs. Token I/O code pre-programmed into the SX48's ROM for basic port pin input/output capability including access to an external, on-board EEPROM, and external digital temperature sensors. The SX48's Flash ROM can be easily erased and reprogrammed if required using the optional DLP-Flash Programmer. Refer to the datasheet for full details.

DLP-245PB

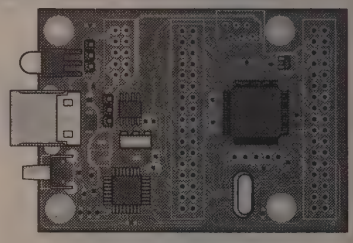
- Simple USB-FIFO interface to PIC Microchip 16F877 microcontroller
- Plugs into a standard 40-pin, 0.6in wide DIP socket
- Example source code provided for Token firmware feature
- Up to 2 megabit per second data rate to host computer
- USB 1.1/2.0 Compatible
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required



The DLP-245PB is a powerful integrated module based on the DLP-USB245M USB-FIFO adapter coupled with a PIC 16F877 MPU and royalty free USB drivers. It plugs into a standard 40 pin 0.6in wide DIP socket and is ideal for rapid prototyping and development of USB / PIC based designs. Token I/O code pre-programmed into the 16F877's ROM for basic port pin input/output capability including access to the A/D, EEPROM, and external digital temperature sensors. The 16F877's Flash ROM can be easily erased and reprogrammed if required using the optional DLP-Flash Programmer. Refer to the datasheet for full details.

DLP-245PL

- Simple USB-FIFO interface to PIC Microchip 18LF8720 microcontroller
- 50 I/O pins (including A/D inputs) plus 8-bit data bus
- Example source code provided for Token firmware feature
- Up to 2 megabit per second data rate to host computer
- USB 1.1/2.0 compatible
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required



The DLP-245PL is a powerful integrated module based on the DLP-USB245M USB-FIFO adapter coupled with a PIC 18LF8720 MPU and royalty free USB drivers. The 18LF8720 microcontroller is preprogrammed with basic functionality for accessing the port pins and can be reprogrammed with user hex code via a 5-pin header that is compatible with Microchip's MPLAB ICD2 device programmer/debugger (purchased separately). Refer to the datasheet for full details.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Package	Price Each		
				1	25	100
626-DLP-245SY	DLP-245SY	DLP-245SY USB/Microcontroller PCB	DIP-40	85.00	77.27	72.25
626-DLP-245PB	DLP-245PB	DLP-245PB USB/Microcontroller PCB	DIP-40	85.00	77.27	72.25
626-DLP-245PL	DLP-245PL	DLP-245PL USB/Microcontroller PCB	Board	95.00	86.36	80.75

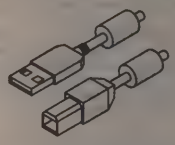
USB CABLES

Features:

- UL2725 Cable
- 100% Open, short & mis-wire tested

A

B



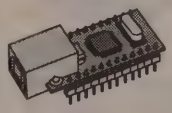
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Length (In.)	Description	Price Each			
					1	10	25	100
172-1024	A	Black	1.8M (71)	USB A male to USB B male	2.70	2.25	2.05	1.86
172-1027	B	Black	1.5M (59)	Filtered USB A male to USB B male	3.11	2.59	2.35	2.14

USB ADAPTER BOARDS

DLP-USB245M

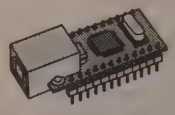
- Add USB connectivity to your next project
- Up to 8 megabit per second data rate
- USB 1.1 compliant
- Simple FIFO interface to MCU, FPGA, CPU, etc.
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required



The DLP-USB245M USB-FIFO adapter offers a simple straight-forward solution for interfacing ASIC or MCU based designs to USB. It comes complete with royalty-free drivers for most common operating systems. Features include an easy to use FIFO-like interface, a data transfer rate of up to 8 megabits per second and a standard .6 inch, 24 pin DIP footprint.

DLP-USB232M

- Easily convert legacy RS-232 devices to USB
- Up to 3 megabaud data rate
- USB 1.1 compliant
- Full handshaking & modem interface signals
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required



The DLP-USB232M USB-UART Adapter PCB is the ideal solution for upgrading legacy RS232 designs to USB. It comes complete with royalty-free drivers for most common operating systems. Features include data transfer rates of up to 3 million baud, a full set of modem handshaking controls and a standard .6 inch, 24 pin DIP footprint.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Package	Price Each		
				1	25	100
626-DLP-USB245M	DLP-USB245M	DLP-USB245M USB-FIFO Adapter PCB	DIP-24	25.00	22.73	21.25
626-DLP-USB232M	DLP-USB232M	DLP-USB232M USB-UART Adapter PCB	DIP-24	25.00	22.73	21.25

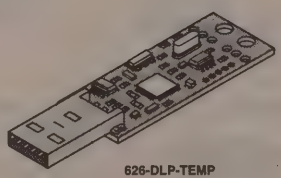
USB DATA ACQUISITION

Schematics available on-line. USB 1.1 Compliant.
The onbaord PIC12F629 microcontroller can be reprogrammed with user code (requires programmer).
Drivers and test applications can be downloaded from the website

Acquire data from the world around you using these USB based data acquisition boards.
Learn how to interface to FTDI's FT232BM USB-UART IC using
small microcontrollers and simple RS232-like commands.
Demonstration code now available upon purchase for Visual C++ and Visual Basic.
Microcontroller C source code also available upon purchase

626-DLP-TEMP

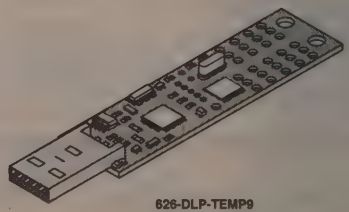
- DLP-TEMP 2-Channel Temperature Acquisition Board
- Monitor and log digital temperature data from 1 or 2 sensors (one DS18B20 sensor included with purchase of board)



626-DLP-TEMP

626-DLP-TEMP9

- DLP-TEMP9 9-Channel Temperature & Digital I/O Board
- Monitor and log digital inputs and temperature data from 1 to 9 sensors (one DS18B20 sensor included with purchase of board, logging requires WinAp9 software).



626-DLP-TEMP9

USB-UART & PICMicro Based Data Acquisition Boards

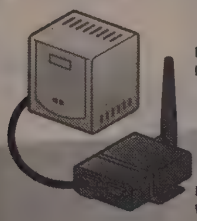
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each			
		1	10	50	100
626-DLP-TEMP	DLP-TEMP2	35.00	31.82	29.75	29.75
626-DLP-TEMP9	DLP-TEMP9	65.00	59.10	55.25	52.00

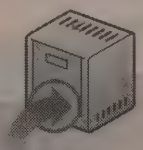
LANTRONIX Device Servers

LANTRONIX®

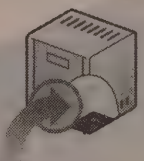
LANTRONIX® Device Server Technology



New and Existing Equipment



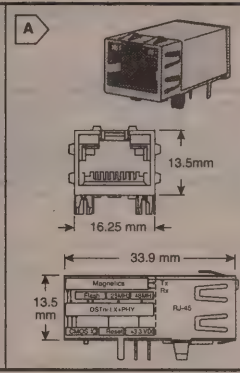
New Product Development



External Device Servers
Web-enable your products.
Speed time-to-market.
Connect existing equipment to Ethernet and the Web.

Board-Level Device Servers
Easy to add/remove.
Easily adaptable to existing design.

Embedded Modules
Intergated – built into your design.



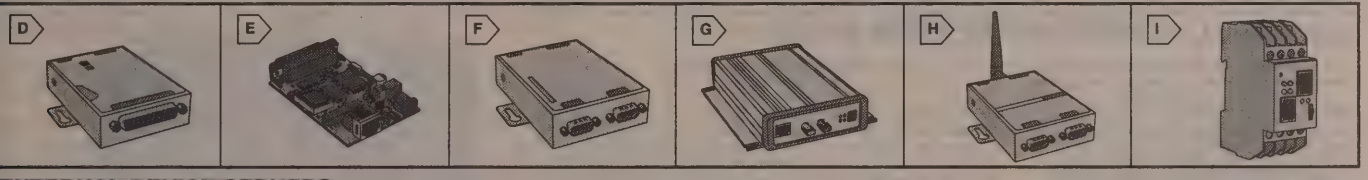
EMBEDDED DEVICE SERVERS

Lantronix embedded device servers are a cost-effective and reliable way to seamlessly embed network connectively into your products. Our expertise in device networking, a stable real-time operating system (RTOS) and TCP/IP stack enables you to add full Ethernet and/or wireless connectivity your products with minimal effort, programming and development time. Lantronix's compact, cost-effective embedded device networking products deliver a complete feature set, including encryption, serial support options, management flexibility, 10/100 Base-T Ethernet or wireless connectivity, and the ability to customize.

NEW PRODUCT

Modules

MOUSER STOCK NO.	Lantronix Part No.	Fig.	Description	Price Each
XPort™ - Compact RJ45 Embedded Networking				
515-XP1001000-03	XP1001000-03	A	XPort XE - 10/100 Ethernet Transceiver to Serial Interface	49.00
515-XP1001000M-03	XP1001000M-03	A	XPort XE MODBUS - 10/100 Ethernet Transceiver to Serial Interface with MODBUS	55.00
515-XP1002000-03	XP1002000-03	A	XPort SE - 10/100 Ethernet Transceiver to Serial Interface with 256-bit AES Encryption	52.00
515-XP100200S-03	XP100200S-03	A	XPort SE - Sample Package with Software	55.00
515-XP1004000-03	XP1004000-03	A	XPort 485 - RS485 Support with 256-bit AES Encryption	55.00
515-XP100400S-03	XP100400S-03	A	XPort 485 - Sample Package with Software	57.00
515-XP100200K-03	XP100200K-03	-	XPort Development Kit - Xport with Evaluation Board, Cables, Power Supply and Software	140.00
WiPort™ - Wireless Embedded Networking - 802.11b				
515-WP2001000-02	WP2001000-02	B	WiPort - IEEE 802.11b Standard to RS-422 or RS-485 Serial Interface - 2.4GHZ - 2x20 1mm PCB Connection	119.00
515-WP2002000-02	WP2002000-02	B	WiPort - Standard WiPort with 4MB of Flash and 1MB of SRAM	149.00
515-WP200100S-02	WP200100S-02	B	WiPort Sample Package - WiPort with Software	125.00
515-WP200100K-02	WP200100K-02	-	WiPort Development Kit - WiPort with Evaluation Board, Cables, Power Supply, Antenna and Software	299.00
515-930-029	930-029	-	WiPort Accessory Antenna	9.50
Micro100 - Board Level Networking				
515-MO00AA002-01	MO00AA002-01	C	Micro100 Board - No RJ45 Jack, No LEDS, includes TTL Pin Header	72.00
515-MO11AA002-01	MO11AA002-01	C	Micro100 Board - includes RJ45 Jack, LEDS, TTL Pin Header	72.00
515-MO22AA002-01	MO22AA002-01	C	Micro100 Board - Pin Headers for Ethernet, TTL, and LED connections	72.00
515-MO00AA0E2-01	MO00AA0E2-01	C	Micro100 Board w/ AES Encryption - No RJ45 Jack, No LEDS, includes TTL Pin Header	77.00
515-MO11AA0E2-01	MO11AA0E2-01	C	Micro100 Board w/ AES Encryption - includes RJ45 Jack, LEDS, TTL Pin Header	77.00
515-MO22AA0E2-01	MO22AA0E2-01	C	Micro100 Board w/ AES Encryption - Pin Headers for Ethernet, TTL, and LED connections	77.00
515-MICRO100KIT	MICRO100-KIT	-	Micro100 Board Kit - Micro100 with Carrier Board, Cables, Adapter, Power Supply and Software	149.00



EXTERNAL DEVICE SERVERS

Increasingly, organizations must leverage their networking infrastructure investment across all of their resources. However, much of this equipment lacks network ports or requires dedicated serial connections for management. Lantronix Device Servers enable virtually any piece of electronic equipment with serial communications capability to become a fully function part of the Ethernet network, enabling organizations to save money, increase efficiency and breath new life into legacy equipment.

NEW PRODUCT

Single-Port

MOUSER STOCK NO.	Lantronix Part No.	Fig.	Description	Price Each
515-UDS100-01	UDS100-01	D	1 DB25F RS232/422/485 serial interface, a 10/100 (RJ45) Ethernet interface, and robust operating system. Installation is simple using our Device Installer utility, and web browser. External 110Volt AC Adapter (-01).	199.00
515-MSS100-11	MSS100-11	D	1 DB25M DTE RS232 serial port, 10/100 RJ45 networking port, concurrent IPX, TCP/IP and LAT support, Flash ROM, diagnostic LEDs, installation guide, CD-Rom with EZWebCon software, Com Port Redirector software, external 110Volt AC Adapter.	349.00
515-UDS-10-01	UDS-10-01	D	1 DB25F RS232/422/485 serial interface, 1 10-BASE-T (RJ45) Ethernet networking port, TCP/IP, Flash ROM, diagnostic LEDs, HTTP configuration, CD-Rom, Device Comm Manager software.	149.00
515-UDS100-B	UDS100-B	E	UDS-100 Board-Level Device Server featuring a 10/100 (RJ45) Ethernet interface, 1 DB25F DCE RS232/422/485 serial interface TCP/IP protocol support, Flash ROM, diagnostic LEDs, HTTP, Telnet or Serial management.	149.00

Multiport

515-UDS200-01	UDS200-01	F	2 DB9M RS232 serial interfaces, a 10/100 (RJ45) Ethernet interface, and Lantronix robust operating system. Installation is simple using our Device Installer utility, and web browser.	249.00
515-COBOX-FL-11	COBOX-FL-11	G	1 DB9 (RS-232) serial port, 1 DB25 (RS232/485/422) serial port, 1 10-BASE-T (RJ45) plus 1 10-BASE-FL (multimode fiber ST auto-sensed) Ethernet port, FlashROM, CD-ROM with Device Comm Manager software, external Universal 100-240Volt AC.	574.00
515-WB2100001-01	WB2100001-01	H	Serial to 802.11b wireless device server. Two serial ports (DB9-male, DTE), pinned the same as a standard PC and 4kv direct ESD protection provided for both serial ports, domestic power supply, 9-30Volt DC.	349.00
515-UB4100001-01	UB4100001-01	-	UBox™ USB-to-Ethernet Device Server, enables 4 USB ports to be shared over a network, 10/100 Ethernet Interface, US Power, Windows® 98/ME/NT200/XP-based software included.	179.00

Industrial

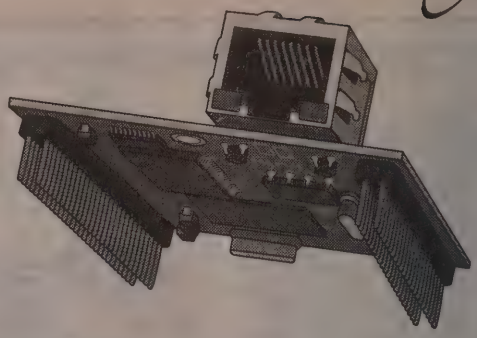
515-UDS-10-IAP	UDS-10-IAP	D	UDS-10 with Industrial automation protocols. 1 DB25 (RS232/422/485) DCE serial port, RJ45 (10BASE-T) network port, diagnostic LEDs, CD-ROM with configuration tools, external Universal 100-240VAC.	179.00
515-XSDRIN-01	XSDRIN-01	I	DinRail mounting, RS422/232/485, RJ45 plus screw terminal serial port, 10/100-BASE-T Ethernet networking port, Diagnostic LEDs, CD-ROM with configuration tools, installable industrial communication drivers.	425.00

Lantronix is a registered trademark, and XPort and WiPort are trademarks of Lantronix, Inc.

NETBURNER Embedded 32-bit Ethernet Processors

NetBurner Networking in 1 Day!

32-BIT 10/100 ETHERNET CORE PROCESSOR MODULES



The NetBurner core processor modules are devices containing everything needed for design engineers to add network control and to monitor a company's communications assets. For a very low price point, the modules solve the problem of network-enabling devices with 10/100 Ethernet, including those requiring digital, analog, and serial control.

Traditionally, companies using 8 and 16-bit platforms find it nearly impossible to run resource-intensive applications on fast Ethernet connections. The NetBurner modules feature a Web-based control interface, a full 32-bit architecture providing 60+ MIPS, and the full suite of TCP/IP protocols. The 32-bit high performance processing platform provides the horsepower to handle both, 10/100 Ethernet connections, and resource demanding applications, with ease and flexibility.

Custom Applications: Quickly and easily customize your specific application requirements using the NetBurner Network Development Kits.

Development Kit Contents:
- 32-bit Core Processor Module
- Development Board
- CD-ROM
- Network Cables
- Serial Cable
- 12 Volt Power Supply for US/Canada

Feature:	MOD5270 Module	MOD5272 Module	MOD5282 Module
Processor:	32-bit Freescale ColdFire 5270 Module	32-bit Freescale ColdFire 5272 w/ intergrated 10/100 Ethernet MAC	32-bit Freescale ColdFire 5282 w/ intergrated 10/100 Ethernet MAC
Speed:	96MPS @ 100MHz	63MPS @ 66MHz	76MPS @ 80MHz
Network Interface:	10/100BaseT with RJ-45 Jack	10/100BaseT with RJ-45 Jack	10/100BaseT with RJ-45 Jack
Flash Memory:	512KB	2MB	512KB
SDRAM:	2MB	8MB	8MB
Power Requirements:	500mA @ 3.3V	500mA @ 3.3V	500mA @ 3.3V
PCB Connection:	2 sets of .100" 50-pin dual row headers	2 sets of .100" 50-pin dual row headers	2 sets of .100" 50-pin dual row headers
LEDs:	10/100 Ethernet Speed and Link/Activity	10/100 Ethernet Speed and Link/Activity	10/100 Ethernet Speed and Link/Activity
Peripherals:	Address bus 16-bit external data bus 22 General Purpose I/O Chip selects Interrupts 4 32-bit timers - 3 UARTs QSPI and I2C - - -	Address bus 16-bit external data bus 22 General Purpose I/O Chip selects Interrupts 4 timers 3 PWM Outputs 2 UARTs QSPI USB - -	Address bus 16-bit external data bus 50 General Purpose I/O Chip selects Interrupts 16 timers 3 PWM Outputs 3 UARTs QSPI and I2C CAN 12C 8 10-bit A/D Inputs
Dimensions:	2" X 2.6"	2" X 2.6"	2" X 2.6"

MOD5270 Module

For quantities of 500 and up, call for quote.

Mouser Stock No.	Netburner Part No.	Price Each 1	25	50	100
820-MOD-5270-100	MOD-5270-100	99.00	95.00	89.00	79.00

MOD5270 Development Kit

Mouser Stock No.	Netburner Part No.	Price Each
820-NNDK-MOD5270-KIT	NNDK-MOD5270-KIT	499.00

MOD5272 Module

For quantities of 500 and up, call for quote.

Mouser Stock No.	Netburner Part No.	Price Each 1	25	50	100
820-MOD-5272-100	MOD-5272-100	139.00	129.00	119.00	99.00

MOD5272 Development Kit

Mouser Stock No.	Netburner Part No.	Price Each
820-NNDK-MOD5272-KIT	NNDK-MOD5272-KIT	499.00

MOD5282 Module

For quantities of 500 and up, call for quote.

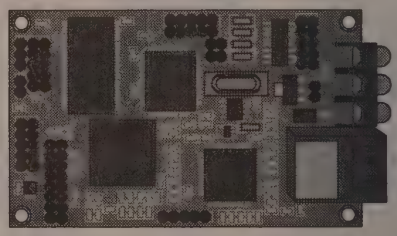
Mouser Stock No.	Netburner Part No.	Price Each 1	25	50	100
820-MOD-5282-100	MOD-5282-100	145.00	135.00	125.00	105.00

MOD5282 Development Kit

Mouser Stock No.	Netburner Part No.	Price Each
820-NNDK-MOD5282-KIT	NNDK-MOD5282-KIT	499.00

32-BIT SERIAL-TO-ETHERNET PROCESSOR BOARDS

If your application requires TTL level serial ports, just plug in the SB70 and go! If you require RS-232, RS-422 or RS-485, please see the SB72 Ethernet to Serial Processor Board.



SB70 Processor Board

The NetBurner SB70 is designed for applications that require a high performance/low cost 10/100 Ethernet interface to serial devices. The SB70 come preloaded with software to translate serial and Ethernet data, and is configurable through any web browser. The SB70 application code can be customized to any specific application requirements with the NetBurner Network Development Kit.

SB72 Processor Board

The NetBurner SB72 is designed for applications that require a high performance/low cost 10/100 Ethernet interface to serial devices. The SB72 come preloaded with software to translate serial and Ethernet data, and is configurable through any web browser. The SB72 application code can be customized to any specific application requirements with the NetBurner Network Development Kit. The SB72 is similar to the SB70, with the addition of RS-232 and RS-485 level shifters.

SB70 Features:
- Instantly allows any serial device to communicate over a network or the Internet
- The SB70 can be used a single board computer for custom applications.
- Includes TCP/IP, Telnet, SNMP, and Web Server (HTTP)
- Supports TTL, and QSPI* serial devices
- Web page configuration
- Powerful 32-bit Motorola ColdFire processor with integrated 10/100 Ethernet MAC
- Development kit required for QSPI.

SB72 Features:
- Instantly allows any serial device to communicate over a network or the Internet
- The SB70 can be used a single board computer for custom applications.
- Includes TCP/IP, Telnet, SNMP, and Web Server (HTTP)
- Supports RS-232, RS-485/422, TTL, and QSPI* serial devices
- Web page configuration
- Powerful 32-bit Motorola ColdFire processor with integrated 10/100 Ethernet MAC
- Development kit required for QSPI.

Feature:	SB70 Processor Board	SB72 Processor Board
Processor:	32-bit Freescale ColdFire 5270 w/ intergrated 10/100 Ethernet MAC	32-bit Freescale ColdFire 5272 w/ intergrated 10/100 Ethernet MAC
Speed:	145MPS @ 150MHz	63MPS @ 66MHz
Network Interface:	10/100BaseT with RJ-45 Jack	10/100BaseT with RJ-45 Jack
Serial Ports Supported:	-	RS-232, RS-422, RS-485, TTL.
Flash Memory:	512KB	512KB
SDRAM:	2MB	8MB
Power Requirements:	480mA @ 5V	480mA @ 5V
LEDs:	Link, Speed/Data, Power	Link, Speed/Data, Power
Network Protocols:	ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP	ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP
Dimensions:	3.25" X 2"	3.25" X 2"

Development Kit Contents:
- SBXX Processor Board
- Adapter board to assist in development. It is not required to operate. The adapter board includes a switching power supply, RS-232 level shifters and two DB-9 connectors.
- CD-ROM containing source code, development tools, manuals and documentation.
- Cross-wired and straight-through twisted pair network cables
- Serial cable
- 12 VDC power supply (US and Canada only)

SB70 Processor Board

For quantities of 500 and up, call for quote.

Mouser Stock No.	Netburner Part No.	Price Each 1	25	50	100
820-SB70-100	SB70-100	99.00	95.00	89.00	79.00

SB70 Development Kit

Mouser Stock No.	Netburner Part No.	Price Each
820-NNDK-SB70-KIT	NNDK-SB70-KIT	399.00

SB72 Processor Board

For quantities of 500 and up, call for quote.

Mouser Stock No.	Netburner Part No.	Price Each 1	25	50	100
820-SB72-300	SB72-300	139.00	129.00	119.00	99.00

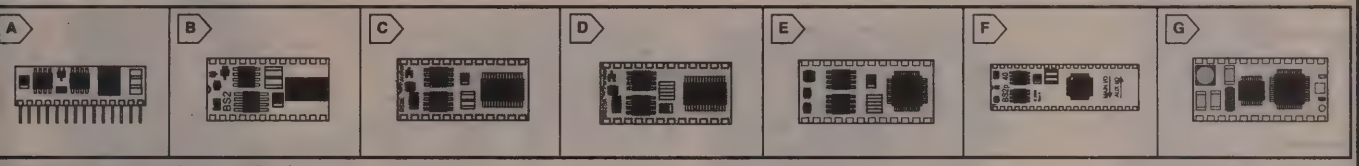
MOD72 Development Kit

Mouser Stock No.	Netburner Part No.	Price Each
820-NNDK-SB72-KIT	NNDK-SB72-KIT	399.00

PARALLAX BASIC Stamp Modules and Accessories

PARALLAX

ASIC Stamps are small computers with 8 or 16 I/O lines that can be connected to TTL level devices and also, with a few extra components, solenoids, relays, and RS232 networks. Their simple language and easy interfacing make ASIC Stamps ideal for many applications for industrial, educational, and hobbyist customers. BASIC Stamps require only editor software, a prototype area, and cable to get started. Each BASIC Stamp has on board it's own non-volatile EPROM, voltage regulator, resonator, and microcontroller.



BASIC STAMP MODULES

Operating Temperature at 70% Non-Condensing Humidity: 0°C to +70°C

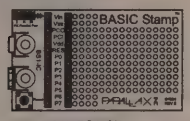
† Plus 2 Dedicated Serial I/O Pins

For quantities of 100 and up, call for quote.

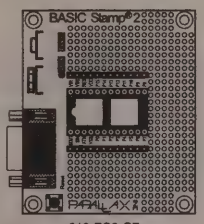
MOUSER STOCK NO.	Parallax Part No.	Fig.	Package	Microcontroller	EEPROM Size (Bytes)	Speed	I/O Pins	PBASIC Commands	Interface (Port)	Operating Voltage	Price Each 1	10	25
619-BS1-IC	BS1-IC	A	SIP-14	Microchip PIC16C56c	256	4 MHz	8	32	Parallel	5 - 15 VDC	28.00	24.25	22.04
619-BS2-IC	BS2-IC	B	DIP-24	Microchip PIC16C57c	2K	20 MHz	16†	36	Serial	5 - 15 VDC	49.00	44.10	41.65
619-BS2E-IC	BS2E-IC	C	DIP-24	Ubicom SX28AC	8 X 2K	20 MHz	16†	39	Serial	5 - 12 VDC	54.00	48.60	45.90
619-BS2SX-IC	BS2SX-IC	D	DIP-24	Ubicom SX28AC	8 X 2K	50 MHz	16†	39	Serial	5 - 12 VDC	59.00	53.10	50.15
619-BS2P24-IC	BS2P24-IC	E	DIP-24	Ubicom SX48AC	8 X 2K	20 MHz Turbo	16†	55	Serial	5 - 12 VDC	79.00	71.10	67.15
619-BS2PX-IC	BS2PX-IC	E	DIP-24	Ubicom SX48AC	8 x 2K	32 MHz Turbo	16†	63	Serial	5 - 12 VDC	79.00	71.10	67.15
619-BS2P40-IC	BS2P40-IC	F	DIP-40	Ubicom SX48AC	8 X 2K	20 MHz Turbo	32†	55	Serial	5 - 12 VDC	79.00	71.10	67.15
619-JS1-IC	JS1-IC	G	DIP-24	Ubicom SX48BD	32768	25 MHz Turbo	16	0 (Java)	Serial	6 - 24VDC (unreg)	89.00	80.10	77.21

BASIC STAMP CARRIER BOARDS

ASIC Stamp Carrier Boards make it easier to ogram and prototype BASIC Stamp Modules.



619-BS1-CB

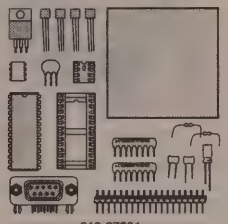


619-BS2-CB

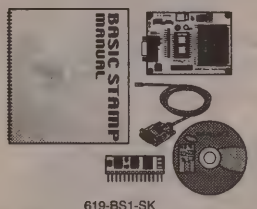
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-BS1-CB	27110	Prototyping area, 9V batt clips, I/O header, reset button, and programming connector.	15.00
619-BS2-CB	27120		24.00

BASIC STAMP KITS



619-27291



619-BS1-SK

For quantities of 10 and up, call for quote.

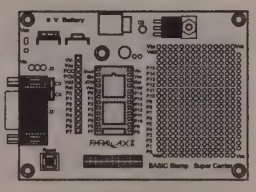
MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27291	27291	Through Hole Kit of the Basic Stamp Model 2	45.00
619-BS1-SK	27205	BS1-IC, 27100, Manual, Software, and cable for BS1-IC	109.00
619-BS2-SK	27203	BS2-IC, 27120, Manual, Software, and cable for BS2-IC	159.00

ASIC STAMP SUPER CARRIER BOARD

e Super Carrier provides wire-wrap prototyping space and holes aced to accommodate DIP ICs. The Super Carrier supports the S1-IC, BS2-IC, BS2E-IC, BS2SX-IC, and BS2P 24 pin modules.

atures:

- 3" x 4" Double-sided plated through-hole prototype board
- Sockets support BS1-IC and all 24 pin BS2 modules
- On-board voltage regulator accepts 6-30 VDC, from wall-pack or battery
- Serial programming port (D89) can be used for run-time communication (BS2-IC and BS2SX-IC)
- Prototype area (1.5" x 2.0") holes arranged to easily support: servos, 300 and 600 mil DIP ICs, D89, DB25, RJ-11 connectors
- AppMod header
- Size measures 7.7 x 10.2cm (3" x 4")



For quantities of 10 and up, call for quote.

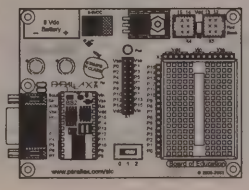
MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27130	27130	Carrier Board for Stamp Modules	19.95

BOARD OF EDUCATION - SERIAL VERSION

The Board of Education was designed in coordination with educational customers to each microcontroller interfacing and programming. It is a quick platform for building a circuit without requiring soldering or wire wrapping tools.

Features:

- Mechanically interlocked power supply to prevent dual connection of wall pack and 9V battery.
- DB9 connector for BS2-IC programming and serial communication during run time.
- Female 10 pin dual row connector for optional AppModules (more breadboard space)

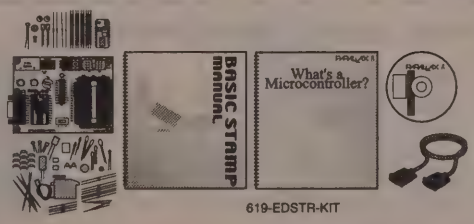


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-BRDOFEDU	28150	Board of Education	65.00
619-BRDOFEDU-KIT	28102	Board of Education Full Kit	119.00

BS2 EDUCATIONAL STARTER KITS

he "What's a Microcontroller?" xt is a beginner's introduction microcontroller interfacing. ver 40 Activities designed to ovide the customer with the st possible introduction to e world of BASIC Stamps.



619-EDSTR-KIT

For quantities of 10 and up, call for quote.

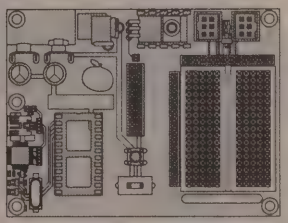
MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-EDSTR-KIT	27207	BASIC Stamp Discovery Kit	159.00
619-MICRO-TXT	28123	"What's a Microcontroller?" Student Guide	27.00
619-MICRO-KIT	28122	Parts Kit for "What's a Microcontroller"	36.00

BOARD OF EDUCATION - USB VERSION

The Board of Education was designed in coordination with educational customers to each microcontroller interfacing and programming. It is a quick platform for building a circuit without requiring soldering or wire wrapping tools.

Features:

- USB connector for BS2-IC programming
- P0 - P15 I/O pins, Vdd and Vss connections brought adjacent to 5.1 x 3.5 cm (2" x 1 3/8") breadboard area
- Includes set of ten (10) color-coded 22 gauge wires
- Female 10 pin dual row connector for optional AppModules (more breadboard space)



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-28850	28850	Board of Education - USB Version	65.00

PARALLAX Accessories and FPGA Development Tools

BASIC STAMP EMBEDDEDBLUE TRANSCEIVER APPMOD

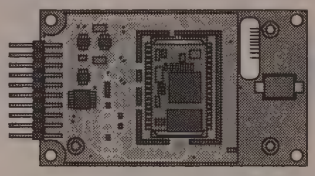
The EmbeddedBlue Transceiver AppMod provides standard Bluetooth connectivity for BASIC Stamp applications without the need for detailed Bluetooth knowledge.

Specifications:

- Frequency: 2.4GHz FHSS
- Transmit Power: 4dBm (max) class 2 operation
- Open Field Range: 300 feet
- Bluetooth: Compliant with the v1.1 standard
- Receiver sensitivity at 0.1% BER: -85dBm

Features:

- Integrates with BASIC Stamp 2 Series
- Seamless connection with Bluetooth devices
- Perfect for wireless cable replacement

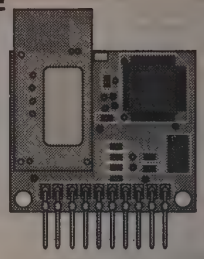


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-30068	30068	Bluetooth Transceiver for Basic Stamp	99.00
619-30069	30069	PC (RS232) Adapter for 619-30068	99.00

FLEXIPANEL BLUETOOTH MODULE

The FlexiPanel Module allows for "Pocket PC" connectivity to the BASIC Stamp. Specifically, it's designed for the BS2p (BS2p24, BS2p40) to create an operator interface via a Bluetooth link. This device ultimately creates a control interface for a myriad of applications. You may customize the FlexiPanel software for your specific application, whether it's a weather station or data logging project.



For quantities of 10 and up, call for quote.

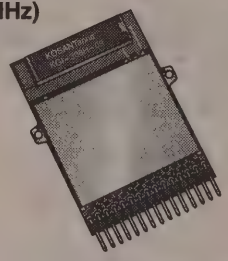
MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-30070	30070	Remote Control for Handheld Devices	99.00

BASIC STAMP RF MODULE (900MHz)

The SureLink module is an RF wireless transceiver operating at 900 MHz. This module is designed to comply with FCC Part 15 Rules and Regulations. If bi-directional communication is needed, then two SureLink Modules and two QuickLink Demo Boards are needed to achieve this type of link.

Features:

- Data DTE transfer rates of 1200 Baud to 115k Baud
- RF Transfer rates from 48000 bps to 76.8 kbps
- Range up to 1000 feet



For quantities of 10 and up, call for quote.

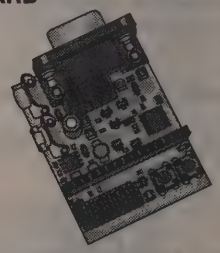
MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-30065	30065	RF Transceiver 900MHz	99.95

BASIC STAMP QUICKLINK DEMO BOARD

The QuickLink Demo Board is designed to work specifically with the SureLink 900 MHz RF Module(#30065). This Demo Board and the SureLink Module are designed to comply with FCC Part 15 Rules and Regulations. The documentation, for this board, outlines 3 modes of operation (Demo Mode, Cable Link Mode, and Stand Alone Mode) which allows you to set the appropriate configuration for your application.

Features:

- Long battery life of up to 5 hours of operation
- 16 run-time selectable channels
- Built-in error correction for all data transmissions



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-30066	30066	Control board for 30065	89.95

SX KEY DEVELOPMENT SYSTEM

The SX Key is a full-featured programmer and debugger for SX microcontrollers. The SX-Key was designed in tandem with the SX chip and fully utilizes the SX's debug and in-system programming features. The E2 flash memory of the SX allows repeated in-place programming of the microcontroller.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-SX-SXTECH	45180	SX Programmer / Debugger	114.84

UBICOM SX 8-BIT MICROCONTROLLERS

Features:

- 50 MIPS performance @ 50MHz
- Single cycle instruction execution
- Internal RC oscillator
- Analog comparator
- EE/Flash program memory rated for 10,000 write cycles
- In-system programming via OSC pins
- Multi-Input Wake-Up (MIWU) on 8 pins

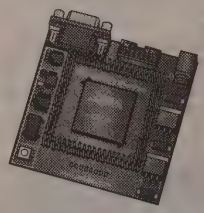
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Package	Price Each		
			1	100	500
619-SX28AC/SS	SX28AC/SS	SSOP-28	3.84	3.60	3.48
619-SX28AC/DP	SX28AC/DP	DIP-28	5.86	5.49	5.31
619-SX48BD/TQ	SX48BD	TQFP-48	5.20	4.83	4.67

PARALLAX STRATIX SMARTPACK - EP1S10

The Stratix SmartPack is a specialized device for advanced engineers interested in building custom ASICs or even their own microcontroller cores. The Stratix is a large scale FPGA (field programmable gate array).

This SmartPack is based on the EP1S10-6. Comes with Altera's Quartus II Web Edition software which supports the EP1S10.



For quantities of 10 and up, call for quote.

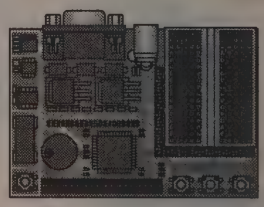
MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-60002	60002	Stratix SmartPack EP1S10	395.00

PARALLAX CYCLONE FASTPACK

The Cyclone FastPack is based on the EP1C3T100C7 device.

Includes:

- 5VDC Power Supply
- Parallax Loader Software
- Quartus II Web Edition Design software
- Serial Cable



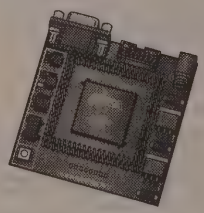
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-60004	60004	Altera Development Board	195.00

PARALLAX STRATIX SMARTPACK - EP1S25

The Stratix SmartPack is a specialized device for advanced engineers interested in building custom ASICs or even their own microcontroller cores. The Stratix is a large scale FPGA (field programmable gate array). This SmartPack is based on the EP1S10-6.

The EP1S25 device requires Quartus II Full Edition from Altera (must be purchased separately).



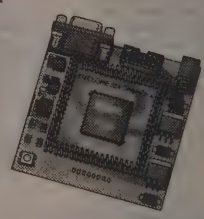
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-60001	60001	Stratix SmartPack EP1S25	495.00

The Stratix SmartPack is not related to the BASIC Stamp product line.

PARALLAX CYCLONE SMARTPACK

The extremely cost-effective Parallax Cyclone development tools have been designed to give engineers the opportunity to explore the features of the new Altera Cyclone device family. The Cyclone SmartPack provides you with everything necessary to begin development with the Cyclone FPGA. The SmartPack neatly presents the Cyclone device with all required support circuitry, plus a simple serial port loader.



For quantities of 10 and up, call for quote.

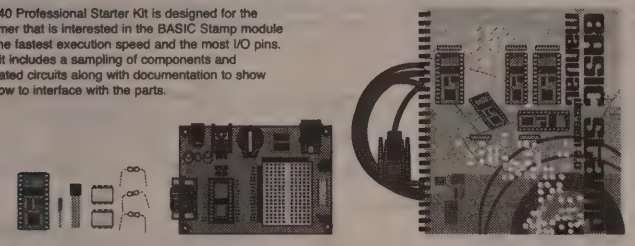
MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-60003	60003	Altera Development Board	295.00

PARALLAX Development Tools

PARALLAX

PARALLAX BASIC STAMP 2P40 STARTER KIT

BS2p40 Professional Starter Kit is designed for the customer that is interested in the BASIC Stamp module with the fastest execution speed and the most I/O pins. The kit includes a sampling of components and integrated circuits along with documentation to show you how to interface with the parts.

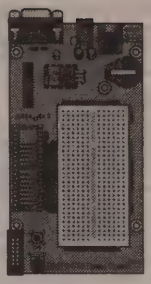


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27238	27238	Project Board, parts, manual, Serial Cable	219.00

PARALLAX BS2P24/40 DEMO BOARD

The new BS2p24/40 Demo Board is a valuable learning tool and time-saving prototyping aide for the Parallax BS2p24 module and BS2p40 module (not included with Demo Board). The Demo Board provides very useful connections to 1-Wire, I2C components, parallel LCDs as well as a breadboard prototype space. This board is currently included in the BS2p40 Professional Starter Kit (#27238) and will eventually be added to the BS2p24 Professional Starter Kit (#27235). The 7.5V 1 amp power supply is recommended (#750-00009-not included).



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-45187	45187	Project Board for BS2p24 and BS2p40 modules	89.00

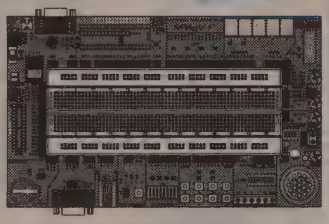
PARALLAX PROFESSIONAL DEVELOPMENT BOARD

The Parallax Professional Development Board (PDB) is high-quality, fully-integrated development platform for BASIC Stamp®, Javelin Stamp, and Ubicom® SX28AC/DP microcontrollers.

NEW FROM SUPPLIER

Features:

- 40-pin DIP socket (for all BASIC Stamp 24/40-pin and Javelin Stamp modules)
- 14-pin SIP socket (for BS1-IC)
- 28-pin "skinny" DIP socket (for SX28AC/DP)
- USB, DB-9, BS1, and SX-Key programming connectors
- 5 volt, 1.0 amp power-supply with power switch
- Five blue 7-segment (with decimal point), common-cathode LED displays
- Parallel LCD (available separately) may be configured in 4-bit or 8-bit mode
- Two servo-compatible headers
- Two 10k Ohm potentiometers
- L293D high-current driver for motors, solenoids, etc.
- Eight, normally-open pushbuttons (I/O lines protected, and pulled-up to Vdd via 10K)
- Pulse generator with selectable frequency (1 Hz, 10 Hz, 100 Hz, or 1 kHz)
- RS-232 DCE port with MAX232E transceiver

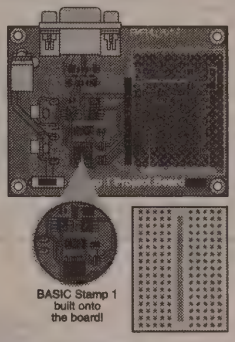


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-28138	28138	Professional Development Board	149.00

PARALLAX BASIC STAMP 1 PROJECT BOARD

For students, hobbyists, and professionals who desire the small form and features of the BASIC Stamp 1 microcontroller, but need a development platform in the mold of the Parallax BOE and HomeWork boards, the BASIC Stamp 1 Project Board is low-cost solution that is sure to fit the bill.

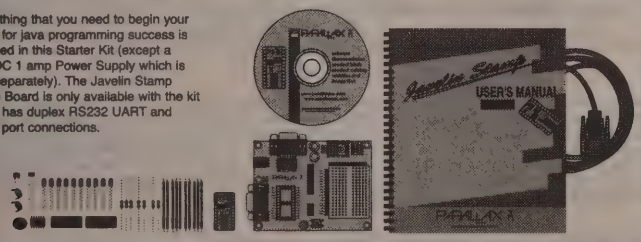


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27112	27112	Project Board with built in BASIC Stamp	29.00

PARALLAX JAVELIN STAMP STARTER KIT

Everything that you need to begin your quest for java programming success is included in this Starter Kit (except a 7.5VDC 1 amp Power Supply which is sold separately). The Javelin Stamp Demo Board is only available with the kit and it has duplex RS232 UART and servo port connections.

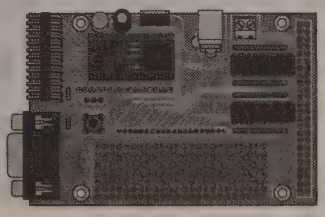


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27237	27237	Project Board, parts, manual, Serial Cable	239.00

PARALLAX STAMP CONTROLLER INTERFACE BOARD

The Stamp Controller Interface allows the BASIC Stamp® microcontroller to connect directly to industrial type digital I/O control boards produced by Opto22, Grayhill, Allen-Bradley, and others that accept 0-5 VDC voltage control levels. These optically isolated modules are ideal for interfacing microcontrollers to the real world, and are more reliable by providing proper isolation. The Stamp Controller Interface accepts all BASIC Stamp modules. A 9-12 VDC, 2.1 mm jack is included for external power supply (sold separately).

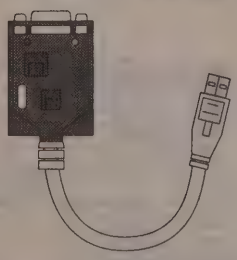


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27945	27945	Project Board accepts all BASIC Stamps	69.00

FTDI USB TO SERIAL ADAPTER

Parallax has tested most USB-RS232 adapters on the market with our products and this one is the best! We chose it because it uses the FTDI chip and their assortment of drivers for different operating systems is superior. FDTI has demonstrated that they can provide fully functional drivers, maintaining and improving them as operating systems change (such as Windows). The adapter works with all of our products. If you don't have a serial port on your machine, this is an easy solution.

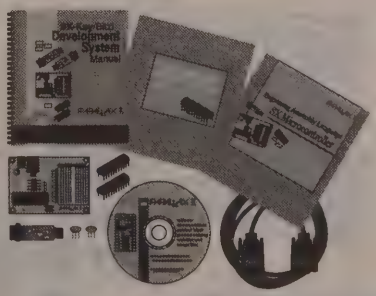


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-800030	800-00030	USB to Serial Adapter for BASIC Stamp Boards	41.45

PARALLAX SX TECH TOOL KIT PLUS

This kit is the most complete SX-Key programming tool package offered by Parallax, and the most complete starting point with everything you'll need except for a power supply (sold separately). Pull the contents out of the box and program SX chips within the hour. International customers order #45180 to reduce shipping costs.



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-45181	45181	Project Board, parts, manual, Serial Cable	99.00

RABBIT Microprocessors, Core Modules, and Dev. Kits

RABBIT 2000™ MICROPROCESSOR (30 MHZ)

The Rabbit 2000™ is a high-performance 8-bit microprocessor designed expressly to power a new generation of embedded systems. Its extensive integrated feature set and glueless architecture facilitate rapid hardware design, and its C-friendly instruction set permits efficient development of complex applications. For embedded systems, the Rabbit 2000 out-performs most 16 and some 32-bit processors without losing the efficiency of an 8-bit architecture. With clock speeds of up to 30 MHz and numerous on-chip peripherals including memory and I/O control signals for glueless interface, four serial ports, over forty digital I/O pins, 8 and 10-bit timer systems, watchdog timer, real-time clock and flexible clocking options, the Rabbit 2000 packs a hardware punch that system designers will appreciate. Our Dynamic C® development environment provides an integrated C compiler with debugger and linker for efficient and powerful applications development.

Design Advantages:

- 8-Bit Architecture
  High-performance architecture with integrated peripherals permit efficient and cost effective hardware design.
- Enhanced Instruction Set
  Brings new power and speed to 8-bit systems with numerous one-byte opcodes and 16-bit logical, arithmetic, and data transfer instructions.
- Exceptional Math Performance
  Based on highly optimized math libraries.
- Dynamic C® Development Environment
  For real-time development and debugging of Rabbit-based systems using C or Assembly language.
- TCP/IP Connectivity
  Full TCP/IP stack with source code is provided royalty free in Dynamic C.

Feature List:

- On-board slave port allows the Rabbit to be configured as an intelligent peripheral device.
- Control of clock speed by software allows dynamic trading of power vs. speed.
- Excellent math performance with 16 x 16 multiply in 12 clocks.
- Three levels of interrupt priority allow fast response to real-time events.
- 40 parallel I/O lines.
- 4 serial ports
- Five 8-bit timers and one 10-bit timer with two match registers
- Battery-backable time/date clock
- Watchdog Timers

∗ Software available à la carte. See www.mouser.com/rabbitsemi/ **For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.		Package	Price Each			
Mfr.	Mfr. Part No.		1	25	100	250
694—668-0003		PQFP-100	12.75	11.75	10.75	10.31

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-0398		RCM2000 Development Kits	169.00
694—101-0475		RCM2200 Development Kits	239.00
694—101-0480		RCM2300 Development Kits	199.00

Available Options and Accessories

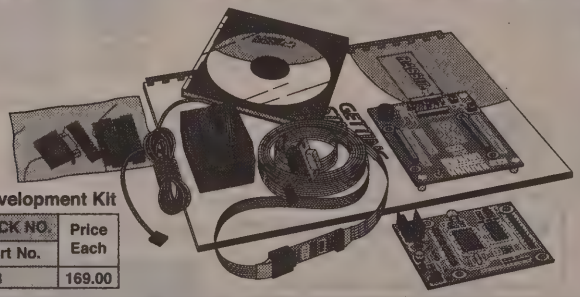
694—101-0403	TCP/IP Tool Kit	99.00
694—101-0417	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
694—101-0467	8MB Serial Flash Expansion Boards	119.00
∗ 694—101-0666	Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encryption, and μC/OS-II	359.00

RCM2000 RABBIT 2000™ DEVELOPMENT KIT

The RCM2000/Rabbit 2000 Development Kit includes a core module (model RCM2020 with Rabbit 2000® microprocessor, flash, SRAM, serial ports, digital I/O), Dynamic C® SE development software and documentation on CD-ROM (not a trial version!), prototyping board, power supply and serial programming cable. The RabbitCore 2000 is the foundation around which you can build a custom board based on the Rabbit 2000 microprocessor. It includes all the components that will jump-start your board design; general-purpose I/O, memory I/O interface, battery backup interface, master-slave control pins, five 8-bit timers (cascadable in pairs) and one 10-bit timer with two match registers, four CMOS-compatible serial ports, and up to 25.8MHz (see versions) clock for fast number crunching. Flash and SRAM are on-board, providing a development-ready memory interface.

Development Software:

The RCM2000/Rabbit 2000 Development Kit is ready for immediate software development. User programs are created using Dynamic C® SE a C language environment that includes an editor, compiler and debugger. Dynamic C SE is an enhanced version of the industry standard C programming language that is specifically tailored for control and embedded systems. Dynamic C SE includes Fast Fourier Transform functions, supports up to one megabyte of code and data and includes software drivers specific for the development kit. Programs can be compiled and executed using the Dynamic C software and a serial programming cable. No in-circuit emulator is required.



RCM 2000 Development Kit

MOUSER STOCK NO.		Price Each
Mfr.	Mfr. Part No.	
694—101-0398		169.00

∗ Software available à la carte. See www.mouser.com/rabbitsemi/

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-0404		RCM 2000 Core - 25.8 MHz, 512K SRAM	69.00
694—101-0405		RCM 2010 Core - 25.8 MHz, 128K SRAM	49.00
694—101-0383		RCM 2020 Core - 18.4 MHz, 128K SRAM	39.00

Available Options and Accessories

694—101-0417	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
694—101-0467	8MB Serial Flash Expansion Board	119.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
694—175-0248	Connector Adapter Board	15.00
∗ 694—101-0666	Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encryption, and μC/OS-II	359.00

RCM2200 RABBIT 2000™ DEVELOPMENT KIT

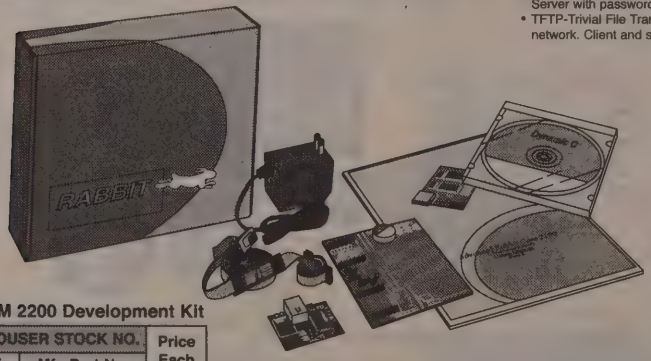
Jump start your design efforts with our most compact Ethernet core module. The RCM2200/Rabbit 2000 Development Kit includes a RCM2200 RabbitCore (with a Rabbit 2000® microprocessor with 22.1 MHz clock, 256K flash memory, 128K SRAM, Ethernet and serial ports, and digital I/O), prototyping board, power supply (U.S. sales only), Dynamic C® SE development software with TCP/IP stack and documentation on CD-ROM (not a trial version!), a PC serial cable, and a Getting Started manual. The RabbitCore RCM2200 is the foundation around which you can build a custom board based on the Rabbit 2000 microprocessor. It includes all the components that you need for fast and easy board design-26 parallel I/O lines, a memory-I/O interface, a battery-backup interface, master/slave control pins, five 8-bit timers (cascadable in pairs) and one 10-bit timer with two match registers, and four CMOS-compatible serial ports. Flash and SRAM are on-board and provide a development-ready memory interface. Full TCP/IP source code is provided in addition to the Dynamic C software on CDROM. ICMP, HTTP (includes facilities for SSI, CGI routines, cookies, and basic authentication), SMTP, FTP and TFTP (client and server) capabilities are provided. Ethernet drivers for the RealTek Ethernet chip are also included. Users can directly write to TCP or UDP sockets to develop custom applications. In addition, extensive demo programs are provided to assist with development. No run-time royalties are required, saving OEMs significant cost over the life of their application.

Key Benefits:

- Ethernet ready-port to an Ethernet chip is done for the Rabbit 2000 chip.
- Cost-effective-no run-time royalties.
- Simplified development-a complete Dynamic C® SE software package (with integrated editor, compiler and debugger) is provided. No in-circuit emulator required!
- A head start-sample demo programs, including HTTP web server and SMTP mail client, provide an advanced starting point for development.
- Quick development time-full hardware reference schematics help reduce development efforts.

TCP/IP Capability:

- Socket Level TCP-Transmission Control Protocol. Provides reliable full-duplex data transmission.
- Socket Level UDP-User Datagram Protocol. Simple protocol that exchanges datagrams without acknowledgements or guaranteed delivery.
- ICMP-Internet Control Message Protocol. Network layer Internet protocol reports errors and provides information relevant to IP packet processing.
- HTTP-Hypertext Transfer Protocol. The protocol used by Web browsers and Web servers to transfer files, such as text and graphic files. Includes facilities for Server Side Includes (SSI) and CGI routines.
- SMTP-Simple Mail Transfer Protocol. Internet protocol providing e-mail services.
- FTP-File Transfer Protocol. Application protocol, part of the TCP/IP protocol stack, used for transferring files between network nodes. Server with password support for file transfers between network nodes available on Rabbit 2000.
- TFTP-Trivial File Transfer Protocol. Simplified version of FTP that allows files to be transferred from one computer to another over a network. Client and server available on Rabbit 2000.



RCM 2200 Development Kit

MOUSER STOCK NO.		Price Each
Mfr.	Mfr. Part No.	
694—101-0475		239.00

∗ Software available à la carte. See www.mouser.com/rabbitsemi/

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-0454		RCM 2200 Core - 256K Flash, 128K SRAM, RJ-45	55.00
694—101-0488		RCM 2210 Core - 256K Flash, 128K SRAM	49.00
694—101-0494		RCM 2250 Core - 512K Flash, 512K SRAM, RJ-45	79.00

Available Options and Accessories

694—101-0403	TCP/IP Tool Kit	99.00
694—101-0417	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
694—101-0467	8MB Serial Flash Expansion Board	119.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
694—175-0248	Connector Adapter Board	15.00
∗ 694—101-0666	Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encryption, and μC/OS-II	359.00

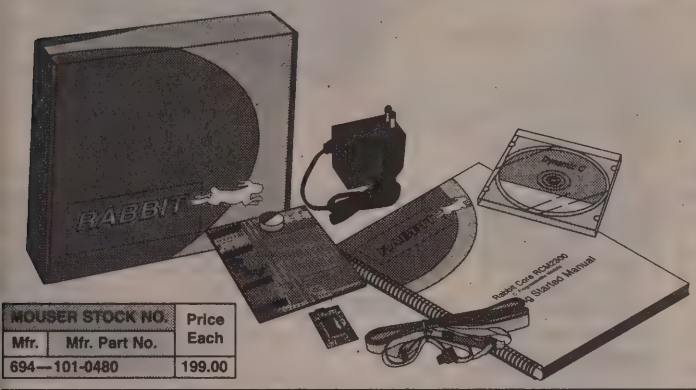
RABBIT Core Modules and Development Kits

RCM2300 RABBIT 2000 DEVELOPMENT KIT

Our most compact and cost-effective RabbitCore opens up a world of new design options. The Rabbit RCM2300/Rabbit 2000 Development Kit includes an RCM2300 RabbitCore (with Rabbit 2000® microprocessor with 22.1 MHz clock, 128K SRAM, 256K Flash, four serial ports, and 29 general purpose I/O), prototyping board, power supply (U.S. sales only), Dynamic C® SE development software with documentation on CD-ROM (not a trial version!), a PC serial cable, and a Getting Started manual. Measuring a mere 1.15 x 1.60 inches, the RCM2300 is designed to facilitate rapid development and simplified integration. Building a custom board based on the RCM2300 is easy. It includes all the components that you need for fast and easy board design-lots of I/O, a memory-I/O interface, backup battery circuitry, master/slave control pins, five 8-bit timers (cascadable in pairs) and one 10-bit timer with two match registers, and four CMOS-compatible serial ports. Flash and SRAM are on-board and provide a development-ready memory interface.

Development Software:

The RCM2300/Rabbit 2000 Development Kit is ready for immediate software development. User programs are created using Dynamic C® SE, a C-language environment that includes an editor, a compiler and a debugger. Dynamic C SE is an enhanced version of the industry-standard C-programming language that is specifically tailored for control and embedded systems. Dynamic C SE includes Fast Fourier Transform functions, supports up to one megabyte of code and data, and includes software drivers specific for the RCM2300 Development Kit. Programs can be compiled and executed using the Dynamic C software and a serial programming cable. No in-circuit emulator is needed.



MOUSER STOCK NO.		Price Each
Mfr.	Mfr. Part No.	
694—101-0480		199.00

Key Benefits:

- Cost - effective
- Simplified development - complete Dynamic C® SE software package (with integrated editor, compiler and debugger) is provided. No in - circuit emulator required!
- A head start - sample demo programs provide an advanced starting point for development.
- Quick development time - full hardware reference schematics help reduce development efforts.

∗ Software available à la carte. See www.mouser.com/rabbitsemi/ **For quantities of 10 and up, call for quote.**

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-0453		RCM2300 RabbitCore Module	42.00

Available Options and Accessories

694—101-0417	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
694—101-0467	8MB Serial Flash Expansion Board	119.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
694—151-0113	Connector Adapter Board	15.00
∗ 694—101-0666	Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encription, and μC/OS-II	359.00

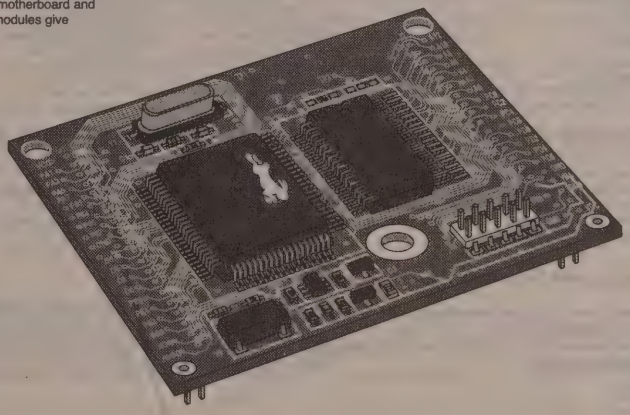
RCM2000 RABBITCORE MICROPROCESSOR MODULES (25.8MHZ)

Measuring just 2.30" x 1.90" (58 x 48 mm), the RCM2000 RabbitCore is a compact and powerful microprocessor core module that has all the components needed to jumpstart your board design. The RCM2000 comes in three available models and includes 40 general-purpose I/O, 4 CMOS-compatible serial ports, five 8-bit timers and one 10-bit timer with two match registers, and a fast number-crunching clock. Flash and SRAM are onboard, providing a development-ready memory interface.

Designing with RabbitCores:

The RabbitCore family of microprocessor core modules is designed to facilitate rapid development and implementation of embedded systems. RabbitCores are powered by high-performance 8-bit Rabbit microprocessors with extensive integrated features and a C-friendly instruction set designed for use with the Dynamic C® development system. The RabbitCore mounts on a user-designed motherboard and acts as the controlling microprocessor for the user's system. Small in size but packed with powerful features, these core modules give designers a complete package for control and communication.

Feature:	RCM2000	RCM2010	RCM2020
Microprocessor	Rabbit 2000 at 25.8 MHz		Rabbit 2000 a 18.432 MHz
Flash	256K		
SRAM	512K	128K	
Backup Battery	Connection for user-supplied battery (to support RTC and SRAM)		
General Purpose I/O	40 parallel I/O include: •26 configurable I/O • 8 fixed inputs • 6 fixed outputs (grouped in five 8-bit ports and shared with serial ports)		
Additional Inputs	2 Startup Mode, Reset In		
Additional Outputs	Watchdog, Reset Out		
Memory I/O	13 address, 8 data, I/O Read-Write, Buffer Enable, Status, Clock		
Serial Ports	Four 5 V CMOS-compatible, 2 configurable as clocked ports		
Serial Rate	Max. burst rate = CLK/32, Max. sustained rate = burst/2		
Connectors	Two 2 x 20, 2 mm IDC headers		
Slave Interface	Slave port permits use as master or intelligent peripheral with Rabbit-based or other master controller		
Real-Time Clock	Yes		
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers		
Watchdog/ Supervisor	Yes		
Power	4.75–5.25 V DC, 130 mA		4.75–5.25 V DC, 98 mA
Operating Temp.	–40°C to +85°C		
Humidity	5–95%, non-condensing		
Board Size	2.3" x 1.9" x 0.5" (58 x 48 x 13 mm)		



∗ Software available à la carte. See www.mouser.com/rabbitsemi/ **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	10
694—101-0404		RCM2000 RabbitCore Module	69.00	65.00
694—101-0405		RCM2010 RabbitCore Module	49.00	47.65
694—101-0383		RCM2020 RabbitCore Module	39.00	37.50

Available Options and Accessories

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-0417		RabbitLink Card	129.00
694—101-0589		Rabbit Cloning Board	89.00
694—101-0467		8MB Serial Flash Expansion Board	119.00
694—540-0070		RS-232-to-USB Converter Cable	39.00
694—151-0113		Connector Adapter Board	15.00
∗ 694—101-0666		Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encription, and μC/OS-II	359.00

Development Kit

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-0398		RCM2000 Development Kit	169.00

RABBIT Microprocessor Core Modules

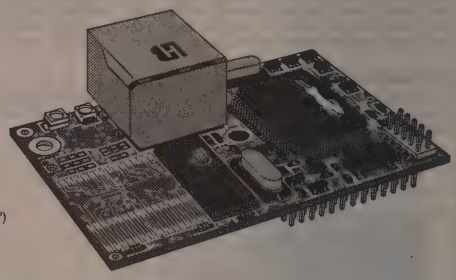
RCM2200 RABBITCORE MICROPROCESSOR MODULES (22.1MHZ)

Our award-winning Ethernet-enabled RCM2200 RabbitCore microprocessor core module is a compact yet powerful embedded control solution for application developers working with a small design footprint. Only half the size of a credit card, the RCM2200 features the powerful Rabbit 2000® microprocessor, 256K of Flash memory, 128K of SRAM, 4 serial ports, 26 I/O, real-time clock, and integrated Ethernet. (To permit parallel development and cost-effective implementation of both Ethernet-enabled and non-Ethernet systems, our pin-compatible RCM2300 model is also available.)

Designing with RabbitCores:

The RabbitCore family of microprocessor core modules is designed to facilitate rapid development and implementation of embedded systems. RabbitCores are powered by high-performance 8-bit Rabbit microprocessors with extensive integrated features and a C-friendly instruction set designed for use with the Dynamic C® development system. The RabbitCore mounts on a user-designed motherboard and acts as the controlling microprocessor for the user's system. Small in size but packed with powerful features, these core modules give designers a complete package for control and communication. The integrated Ethernet port frees designers from the limitations of serial-port communications and control and also permits instant local or worldwide connectivity using low-cost networking hardware. Embedded systemsusing the Ethernet RabbitCore module can be controlled and monitored (as well as programmed and debugged when using appropriate accessory hardware) across any network or the Internet.

Feature:	RCM2200	RCM2210	RCM2250
Microprocessor	Rabbit 2000™ at 22.1 MHz		
Ethernet Port	10Base-T, RJ-45, 2 LEDs	10Base-T (raw signals only)	10Base-T, RJ-45, 2 LEDs
Flash	256K		512K
SRAM	128K		512K
Backup Battery	Connection for user-supplied battery (to support RTC and SRAM)		
General Purpose I/O	26 parallel I/O include: • 16 configurable I/O • 7 fixed inputs • 3 fixed outputs		
Additional Inputs	2 Startup Mode, Reset		
Additional Outputs	Status, Reset		
Memory I/O	4 address, 8 data, plus I/O Read-Write		
Serial Ports	Four 5 V CMOS-compatible, 2 configurable as clocked ports (1 clocked line available only on programming header)		
Serial Rate	Max. burst rate = CLK/32 Max. sustained rate = burst/2		
Connectors	Two 2 x 13, 2 mm IDC headers		
Slave Interface	Slave port permits use as master or as intelligent peripheral with other master controller		
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers		
Board Size	2.3" x 1.6" x 0.86" (59 x 41 x 22 mm)		



Features:

- Compact size (2.3" x 1.6" x 0.86")
- 10Base-T Ethernet
- Up to 512K Flash
- Up to 512K SRAM
- 26 general-purpose I/O
- With Real-Time Clock: RCM(2200,2210,2250)
- With Watchdog/Supervisor: RCM(2200,2210,2250)
- Power: 4.75-5.25 V DC, 134 mA
- Operating Temp.: -40° to +70°C
- Humidity: 5-95%, non-condensing

* Software available à la carte. See www.mouser.com/rabbitsemi/ **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.	Description	Price Each	
Mfr. Mfr. Part No.		1	10
694—101-0454	RCM2200 RabbitCore Module	55.00	53.00
694—101-0488	RCM2210 RabbitCore Module	49.00	47.75
694—101-0494	RCM2250 RabbitCore Module	79.00	77.00

Available Options and Accessories **For quantities of 10 and up, call for quote.**

MOUSER STOCK NO.	Description	Price Each
Mfr. Mfr. Part No.		
694—101-0403	TCP/IP Took Kit	99.00
694—101-0417	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
694—101-0467	8MB Serial Flash Expansion Board	119.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
694—151-0113	Connector Adapter Board	15.00
* 694—101-0666	Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encription, and µC/OS-II	359.00

Development Kit **For quantities of 10 and up, call for quote.**

MOUSER STOCK NO.	Description	Price Each
Mfr. Mfr. Part No.		
694—101-0475	RCM2200 Development Kit	239.00

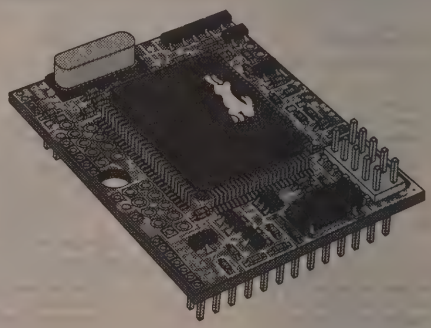
RCM2300 RABBITCORE ICROPROCESSOR MODULE (22.1 MHZ)

The ultra-compact RCM2300 RabbitCore microprocessor core module measures a mere 1.60 x 1.15 inches (41 x 29 mm), simplifying integration and opening up a world of new design options for economical control products. The RCM2300 includes 22.1 MHz clock, 256K of Flash, 128K of SRAM, real-time clock, 29 general-purpose I/O, and 4 serial ports. The RCM2300 is also pin compatible with the RCM2200 Ethernet core module for future Ethernet implementation of user designs.

Designing with RabbitCores: See details at the top of the page.

* 1 clocked line available only on programming header.

Feature:	RCM2300
Microprocessor	Rabbit 2000™ at 22.1 MHz
Flash	256K
SRAM	128K
Backup Battery	Connection for user-supplied battery (to support RTC and SRAM)
General Purpose I/O	29 I/O include • 17 configurable I/O • 8 fixed inputs • 4 fixed outputs (9 additional available via separate connections)
Additional Inputs	2 Startup Mode, Reset
Additional Outputs	Status, Reset
Memory I/O	4 address, 8 data, plus I/O Read-Write (extra address and Buffer Enable via separate connections)
Serial Ports	Four 5 V CMOS-compatible, 2 configurable as clocked ports (1 clocked line available only on programming header)
Serial Rate	Max. burst rate = CLK/32 Max. sustained rate = burst/2
Connectors	Two 2 x 13, 2 mm IDC headers
Slave Interface	Slave port permits use as master or as intelligent peripheral with other master controller
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers
Board Size	1.60" x 1.15" x 0.47", (41 x 29 x 12 mm)



Features:

- Most compact and low-cost RabbitCore
- 1.60" x 1.15" x 0.47"
- 128K SRAM
- 256K Flash
- 29 general-purpose I/O
- With Real-Time Clock
- With Watchdog/Supervisor
- Power: 4.75-5.25 V DC, 108 mA
- Operating Temp.: -40° to +85°C
- Humidity: 5-95%, non-condensing

* Software available à la carte. See www.mouser.com/rabbitsemi/ **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.	Description	Price Each	
Mfr. Mfr. Part No.		1	10
694—101-0453	RCM2300 RabbitCore Module	42.00	38.75

Available Options and Accessories **For quantities of 10 and up, call for quote.**

MOUSER STOCK NO.	Description	Price Each
Mfr. Mfr. Part No.		
694—101-0417	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
694—101-0467	8MB Serial Flash Expansion Board	119.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
694—151-0113	Connector Adapter Board	15.00
* 694—101-0666	Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encription, and µC/OS-II	359.00

Development Kit **For quantities of 10 and up, call for quote.**

MOUSER STOCK NO.	Description	Price Each
Mfr. Mfr. Part No.		
694—101-0480	RCM2300 Development Kit	199.00

RABBIT Microprocessors, Core Modules, and Dev. Kits

RABBIT 3000™ MICROPROCESSOR (55.5 MHZ)

The new Rabbit 3000® is an extremely low-EMI microprocessor designed specifically for embedded control, communications, and Ethernet connectivity. The Rabbit 3000 shares its instruction set and conceptual design with the proven Rabbit 2000.® The Rabbit 3000 is fast-running at up to 54 MHz and C-friendly, with compact code and direct software support for 1 MB of code/data space. Rabbit 3000 development tools include extensive support for Internet and network connectivity, with full source code for TCP/IP provided royalty free The Rabbit 3000 operates at 3.3 V (with 5 V tolerant I/O) and boasts 6 serial ports with IrDA, 56+ digital I/O, quadrature encoder inputs, PWM outputs, and pulse capture and measurement capabilities. It also features a battery-backable real-time clock, glueless interfacing, and ultra-low power modes. Its compact instruction set and high clock speeds give the Rabbit 3000 blazingly fast performance for math, logic, and I/O.

Programming the Rabbit 3000:

Microprocessor hardware and software development is easy for Rabbit users. The Rabbit 3000 is programmed using the industry-proven Dynamic C® software development system from sister division Z-World. Dynamic C is an integrated C compiler, editor, loader, and debugger created specifically for Rabbit-based systems. Developing software with Dynamic C is easy. Programming and debugging are accomplished by connecting a simple interface cable from a PC to a Rabbit-based target system or over Ethernet/Internet using appropriate accessory hardware. Users can write, compile, and test C code, Assembly code, or even intermixed C and Assembly code without leaving the Dynamic C development environment. Debugging occurs while the application runs on the target, eliminating the need for costly in-circuit emulators. Alternatively, you can compile your program to an image file for later loading.

The EMI-Free Microprocessor™:

Government-mandated testing for electromagnetic interference (EMI) often proves a major headache for embedded systems design engineers. Unintentional electromagnetic radiation has the potential to derail development schedules with time-consuming board redesign or costly EMI-reducing components. The Rabbit 3000 has several powerful design features that practically eliminate EMI problems. These features are so effective that it is highly unlikely developers will ever experience EMI issues with the Rabbit 3000.

Royalty-Free TCP/IP:

Full TCP/IP stack with source code is provided royalty free in Dynamic C. TCP/IP support includes PPP (with Dynamic C Premier), socket-level TCP and UDP, FTP, TFTP, HTTP (w/ SSI and CGI), DHCP client, SMTP mail client, PING, and POP3.

Special Low-Power Features:

The Rabbit 3000 contains a number of unique low-power features that make it highly suitable for battery-powered applications. The processor offers ultra-low-speed clock options that allow the chip to operate off of a divided (/2, /4, /8, /16) version of the 32.768 kHz clock or a divided (/2, /4, /6, /8) version of the fast clock. Some types of Flash memory and SRAM consume power whenever the chip select is enabled, even if no signals are changing. The Rabbit 3000 has features to minimize the "chip select enabled" duty cycle to reduce this unnecessary power consumption when the Rabbit 3000 is running at divided clock speeds.

Low-EMI Features of the Rabbit 3000:

- A clock spectrum spreader reduces EMI amplitude derived from the clock by up to 25 dB.
- A clock doubler allows the external oscillator to operate at 1/2 the internal clock frequency.
- Separate power pins for the processor core and I/O ring prevent propagation of core noise to signal lines.
- Gated clocks in the internal logic blocks the clock-driving parts of the processor clock tree that are not in use for a particular instruction, reducing the amplitude of EMI generated by clock-related current surges.
- An auxiliary I/O bus limits loading and makes unnecessary the physical extension of fast data and address lines in the system.
- Bus architecture eliminates the need for routing the clock out of the processor.
- The spectrum spreader is especially powerful, effectively reducing clock-related EMI and derivative signals by approximately 25 dB-a design-critical amount, as devices often fail EMI tests by as little as 5 dB.

Key Programming Features:

- Fast compiler with one-step compiling and downloading to target
- Full-feature source and/or Assembly-level debugger
- Hundreds of functions in source-code libraries and sample programs
  - -Exceptionally fast support for floating-point arithmetic and transcendental functions
  - -RS-232 and RS-485 serial communications
  - -Analog and digital I/O drivers
  - -I2C, SPI, GPS, Encryption, File System
- Powerful language extensions for cooperative or preemptive multi-tasking
- Loader utility program to load binary images onto targets in the absence of Dynamic C
- Create your own source code libraries and augment on-line help by creating "function description" block comments using a special format for library functions
- Generate programs that use as much as 512K of data in SRAM and 512K of code in Flash or EPROM

Package Size	16 x 16 x 1.5 mm
Operating Voltage	1.8-3.6 V DC (5 V tolerant)
Operating Current	2 mA/MHz @ 3.3 V
Operating Temp.	-55°C to +85°C
Serial Ports	6
I/O Pins	56 (plus multipurpose pins) arranged in seven 8-bit ports
Memory Addressing Range	20 lines (1 MB), more can be interfaced easily
Timers	Ten 8-bit and one 10-bit with 2 match registers

∗ Software available à la carte. See www.mouser.com/rabbitsemi/

Microprocessors

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Price Each 1	10	25	100
694—	668-0011	LQFP-128	14.50	13.00	12.75	12.50
694—	668-0015	TFBGA-128	15.00	14.25	13.00	12.50

Add on Development Products

For quantities of 10 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
694—	040-0003	Rabbit 3000 Reference Design Book	44.95
694—	101-0403	TCP/IP Tool Kit	99.00
694—	101-0417	RabbitLink Card	129.00
694—	101-0589	Rabbit Cloning Board	89.00
694—	101-0467	8MB Serial Flash Expansion Board	119.00
∗694—	101-0666	Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encription, and μC/OS-II	359.00

Development Kits

For quantities of 10 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
694—	101-0523	RCM3000 Development Kits	299.00
694—	101-0533	RCM3100 Development Kits	239.00
694—	101-0552	RCM3200 Development Kits	349.00
694—	101-0587	RCM3400 Development Kits	399.00

RCM3000 RABBIT 3000 DEVELOPMENT KIT

The Rabbit 3000® Development Kit includes an RCM3010 Ethernet core module (with Rabbit 3000 microprocessor, Flash, SRAM, Ethernet hardware, serial ports and I/O ports), a prototyping board, Dynamic C® SE development software with TCP/IP stack and documentation on CD-ROM (not a trial version), AC adapter (U.S. only), and serial cable for programming and debugging. The Rabbit 3000 microprocessor is ready for immediate software development. User programs are created using Dynamic C SE, a software development environment that includes an editor, compiler, and debugger. Programs are compiled and executed using Dynamic C and a programming cable-no costly in circuit emulator is required. Full TCP/IP source code is provided in addition to the Dynamic C software on CD-ROM.

The prototyping board included in the kit allows for immediate evaluation and development of TCP/IP or non-TCP/IP applications using the Rabbit 3000 microprocessor. Executable code can be downloaded into Flash memory or SRAM. The prototyping board provides both 3.3 V and 5 V regulated power supplies, two RS-232 communication ports, two sockets for Rabbit RCM3000 Series modules, backup battery (supports RTC and SRAM), IrDA interface, and an interface for our optional keypad/display.

Features:

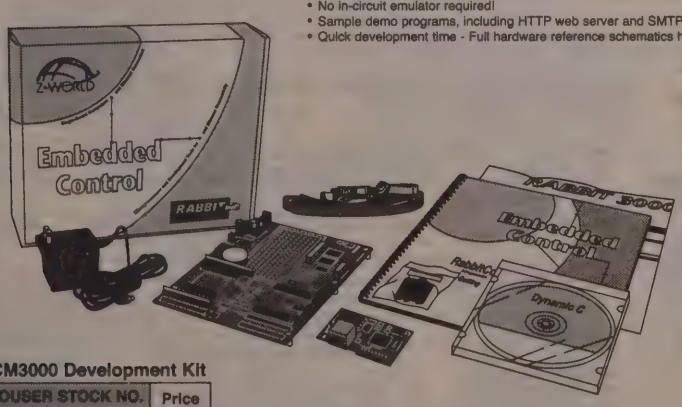
- 3.3 V and 5 V regulated power supplies
- Rabbit 3000 processor running at 29.4 MHz
- 10Base-T Ethernet interface
- 52 parallel I/O (shared with peripheral features)
- 6 serial ports
- 256K Flash/128K SRAM
- 11 built-in timers
- Real-time clock
- Watchdog timer

Optional TCP/IP Toolkit:

This kit is intended to help in application development by providing the accessories needed to interface to a 10Base-T network. Includes an Ethernet hub, two Ethernet straight-thru cables, and one Ethernet crossover cable. The hub includes the four 10Base-T ports, a slim metal case, and built-in LED indicators, The Ethernet ports provide effective information exchange, resource sharing, and a client/server or peer-to-peer solution using simple UTP (unshielded twisted pair) wiring. Once powered on, the Ethernet hub is operational with no configuration required and is ideal for desktop development.

Key Benefits:

- Ethernet ready - Port to an Ethernet chip for the Rabbit 3000.
- Cost-effective - no run-time royalties
- Simplified development - A complete Dynamic C SE software package (with integrated editor, compiler, and debugger) is provided.
- No in-circuit emulator required!
- Sample demo programs, including HTTP web server and SMTP mail client, provide an advanced starting point for development.
- Quick development time - Full hardware reference schematics help reduce development efforts.



RCM3000 Development Kit

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Price Each
694—	101-0523	299.00

∗ Software available à la carte. See www.mouser.com/rabbitsemi/ For quantities of 10 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
694—	101-0507	RCM3000 RabbitCore Module	79.00
694—	101-0508	RCM3010 RabbitCore Module	59.00

Add on Development Products

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
694—	101-0403	TCP/IP Tool Kit	99.00
694—	101-0417	RabbitLink Card	129.00
694—	101-0589	Rabbit Cloning Board	89.00
694—	101-0601	Keypad/Display Unit, 3.3V	79.00
694—	101-0541	Panel Mount Keypad/Display/Unit, 3.3V	99.00
694—	540-0066	20" Cable for Panel Mount Keypad/Display	15.00
694—	101-0467	8MB Serial Flash Expansion Board	119.00
694—	540-0070	RS-232-to-USB Converter Cable	39.00
∗694—	101-0666	Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encription, and μC/OS-II	359.00

RABBIT Microprocessors, Core Modules, and Dev. Kits

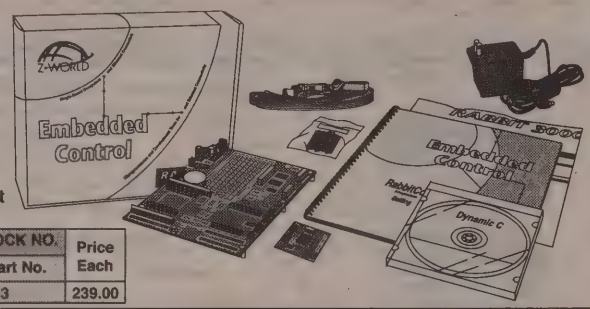
RCM3100 RABBIT 3000 DEVELOPMENT KIT

The RCM3100 Development Kit includes an RCM3110 core module (with Rabbit 3000® microprocessor, Flash, SRAM, serial ports, and I/O ports), a prototyping board, Dynamic C® SE development software with documentation on CD-ROM (not a trial version), AC adapter (U.S. only), and serial cable for programming and debugging. The RCM3100 is ready for immediate software development. User programs are created using Dynamic C SE, a software development environment that includes an editor, compiler, and debugger. Programs are compiled and executed using Dynamic C and a programming cable - no costly in circuit emulator is required.

The prototyping board included in the kit allows for immediate evaluation and development of applications using the RCM3100. Executable code can be downloaded into Flash memory or SRAM. The prototyping board provides both 3.3 V and 5 V regulated power supplies, two RS-232 communication ports, two sockets for Rabbit RCM3100 Series modules, backup battery (supports RTC and SRAM), IrDA interface, and an interface for our optional keypad/display.

Features:
- 3.3 V and 5 V regulated power supplies
- Rabbit 3000 processor running at 29.4 MHz
- 54 parallel I/O (shared with peripheral features)
- 6 serial ports
- 256K Flash / 128K SRAM
- 11 built-in timers
- Real-time clock
- Watchdog timer

Key Benefits:
- Cost-effective - no run-time royalties
- Simplified development - A complete Dynamic C SE software package (with integrated editor, compiler, and debugger) is provided. No in-circuit emulator required!
- Sample demo programs provide an advanced starting point for development.
- Quick development time - Full hardware reference schematics help reduce development efforts.



RCM3100 Development Kit

MOUSER STOCK NO.		Price Each
Mfr.	Mfr. Part No.	
694—101-0533		239.00

∗ Software available à la carte. See www.mouser.com/rabbitsemi/ **For quantities of 10 and up, call for quote.**

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-0517		RCM3100 RabbitCore Module	65.00
694—101-0518		RCM3110 RabbitCore Module	45.00

Add on Development Products

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-0589		Rabbit Cloning Board	89.00
694—101-0467		8MB Serial Flash Expansion Board	119.00
694—540-0070		RS-232-to-USB Converter Cable	39.00
694—151-0113		Connector Adapter Board	15.00
∗694—101-0666		Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encription, and µC/OS-II	359.00

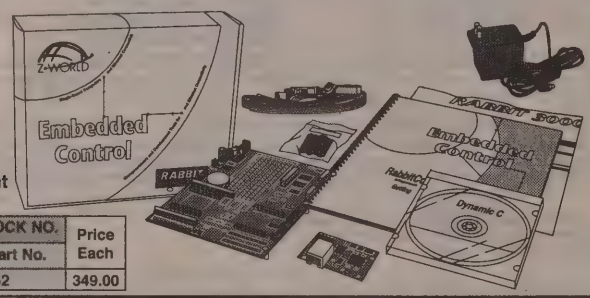
RCM3200 RABBIT 3000 DEVELOPMENT KIT

The RCM3200 Development Kit includes an RCM3200 core module (with Rabbit 3000® microprocessor, Flash, 2 SRAMs, serial ports, and I/O ports), a prototyping board, Dynamic C® SE development software with documentation on CD-ROM (not a trial version), AC adapter (U.S. only), and serial cable for programming and debugging. The RCM3200 is ready for immediate software development. User programs are created using Dynamic C SE, a software development environment that includes an editor, compiler, and debugger. Programs are compiled and executed using Dynamic C and a programming cable - no costly in circuit emulator is required.

The prototyping board included in the kit allows for immediate evaluation and development of applications using the RCM3200. Executable code can be downloaded into Flash memory or SRAM. The prototyping board provides both 3.3 V and 5 V regulated power supplies, two RS-232 communication ports, two sockets for Rabbit RCM30/31/3200 modules, backup battery (supports RTC and SRAM), IrDA interface, and an interface for our optional keypad/display.

Features:
- 3.3 V and 5 V regulated power supplies
- Rabbit 3000 processor running at 44.2 MHz
- 52 parallel I/O (shared with peripheral features)
- 6 serial ports
- 512K Flash / 512K SRAM (program) & 256K SRAM (data)
- Ten 8-bit timers
- Real-time clock
- Watchdog timer

Key Benefits:
- Cost-effective - no run-time royalties
- Simplified development - A complete Dynamic C SE software package (with integrated editor, compiler, and debugger) is provided. No in-circuit emulator required!
- Sample demo programs provide an advanced starting point for development.
- Quick development time - Full hardware reference schematics help reduce development efforts.



RCM3200 Development Kit

MOUSER STOCK NO.		Price Each
Mfr.	Mfr. Part No.	
694—101-0552		349.00

∗ Software available à la carte. See www.mouser.com/rabbitsemi/ **For quantities of 10 and up, call for quote.**

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-0507		RCM3200 RabbitCore Module	89.00

Add on Development Products

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-0403		TCP/IP Tool Kit	99.00
694—101-0467		8MB Serial Flash Expansion Board	119.00
694—540-0070		RS-232-to-USB Converter Cable	39.00
694—151-0113		Connector Adapter Board	15.00
∗694—101-0666		Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encription, and µC/OS-II	359.00

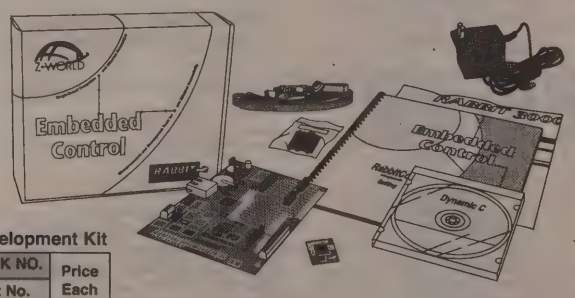
RCM3400 RABBIT 3000 DEVELOPMENT KIT

The RCM3400 Development Kit includes an RCM3400 core module (512K Flash/512K SRAM), a development board with 10/100Base-T Ethernet and prototyping area, Dynamic C® SE development software with documentation on CD-ROM (not a trial version), AC adapter (U.S. only), and serial cable for programming and debugging. The RCM3400 is ready for immediate software development. User programs are created using Dynamic C SE, a software development environment that includes an editor, compiler, and debugger. Programs are compiled and executed using Dynamic C and a programming cable--no costly in circuit emulator is required.

The development board included in the kit allows for immediate evaluation and development of applications using the RCM3400. Executable code can be downloaded into Flash memory or SRAM. The prototyping board provides 10/100Base-T Ethernet connectivity, both 3.3 V and 5 V regulated power supplies, two RS-232 and one RS-485 communication ports, one socket for a Rabbit RCM30/31/32/3400 module, one soket for a display or custom user device, backup battery (supports RTC and SRAM), IrDA interface, and an interface for our optional keypad/display.

Features:
- 3.3 V operation
- Powerful Rabbit 3000® microprocessor
- Low-EMI (typically <10 dB µV/m @ 3 m)
- Up to 512K Flash / 512K SRAM
- 8 channel 12-bit A/D with programmable gain
- 47 digital I/O, alternate I/O bus
- 5 serial ports (IrDA, SDLC/HDLC, asynch, SPI)
- MAC ID installed

Key Benefits:
- Cost-effective - no run-time royalties
- Simplified development - A complete Dynamic C SE software package (with integrated editor, compiler, and debugger) is provided with royalty-free TCP/IP stack.
- Sample demo programs provide an advanced starting point for development.
- Quick development time - Full hardware reference schematics help reduce development efforts.



RCM3400 Development Kit

MOUSER STOCK NO.		Price Each
Mfr.	Mfr. Part No.	
694—101-0587		399.00

∗ Software available à la carte. See www.mouser.com/rabbitsemi/ **For quantities of 10 and up, call for quote.**

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-0561		RCM3400 RabbitCore Module	79.00
694—101-0562		RCM3410 RabbitCore Module	59.00

Add on Development Products

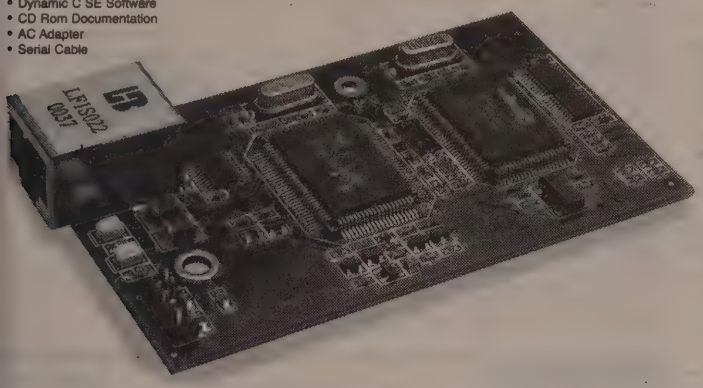
694—101-0541		Keypad/Display Unit in Plastic Case. Water-resistant remote keypad/display, 7-key/122 x 32 pixel LCD operating at 3.3V DC. (Cable not included, see below).	99.00
694—101-0502		Keypad/Display Unit in Plastic Case, Water-Resistant Remote Keypad/Display, 7-Key/122x32 pixel LCD Operating at 5V DC. (Cable Not Included, See Below)	99.00
694—540-0066		Keypad/Display Unit Cable. 20" cable for panel-mount keypad/display unit.	15.00
694—101-0403		TCP/IP Tool Kit	99.00
694—101-0467		8MB Serial Flash Expansion Board	119.00
694—540-0070		RS-232-to-USB Converter Cable	39.00
∗694—101-0666		Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encription, and µC/OS-II	359.00

RABBIT Microprocessor Core Modules

RCM2100 RABBITCORE MICROPROCESSOR MODULES (22.1MHZ)

The RCM2100 is our full-featured RabbitCore microprocessor core module, available in four different models—2 with integrated Ethernet and 2 without. The RCM2100 features up to 512K of Flash memory and 512K of SRAM, as well as buffered external memory-addressing capability. The 34 parallel user I/O (40 for non-Ethernet) shared with 4 serial ports make local control and communication a breeze.

Development Kit Features:
- RCM2100 Microprocessor Core Module
- Prototyping Board
- Dynamic C SE Software
- CD Rom Documentation
- AC Adapter
- Serial Cable



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	10
694—101-0434		RCM 2100 Core (Ethernet, 512K Flash, 512K SRAM, 34 I/O)	89.00	85.59
694—101-0435		RCM 2110 Core (Ethernet, 256K Flash, 128K SRAM, 34I/O)	59.00	57.20
694—101-0436		RCM 2120 Core (Non-Ethernet, 512K Flash, 512K SRAM, 40 I/O)	69.00	65.50
694—101-0446		RCM 2130 Core (Non-Ethernet, 256K Flash, 128K SRAM, 40 I/O)	49.00	46.50
694—101-0451		RCM 2100 Development Kit	279.00	279.00

RCM2100 RabbitCore Specifications

Features	RCM2100	RCM2110	RCM2120	RCM2130
Microprocessor	Rabbit 2000T at 22.1 MHz			
Ethernet Port	10Base-T, RJ-45, 2 LEDs		None	
Flash	512K	256K	512K	256K
SRAM	512K	128K	512K	128K
Backup Battery	Connection for user-supplied battery (to support RTC and SRAM)			
General Purpose I/O	34 parallel I/O include • 20 configurable I/O • 8 fixed inputs • 6 fixed outputs (grouped in five 8-bit ports and shared with serial ports)		40 parallel I/O include • 26 configurable I/O • 8 fixed inputs • 6 fixed outputs (grouped in five 8-bit ports and shared with serial ports)	
Additional Inputs	2 Startup Mode, Reset In			
Additional Outputs	Status, Clock, Watchdog Out, Reset Out			
Memory I/O	13 buffered address, 8 buffered data, plus I/O Read-Write and Buffer Enable			
Serial Ports	Four 5 V CMOS-compatible, 2 configurable as clocked ports			
Serial Rate	Max. burst rate = CLK/32 Max. sustained rate = burst/2			
Connectors	Two 2 x 20, 2 mm IDC headers			
Slave Interface	Slave port permits use as master or as intelligent peripheral with Rabbit-based or other master controller			
Real-Time Clock	Yes			
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers			
Watchdog/Supervisor	Yes			
Power	4.75-5.25 V DC, 140 mA			
Operating Temp.	-40° to +70°C		-40° to +85°C	
Humidity	5-95%, non-condensing			
Board Size	3.5" x 2.0" x 0.86" (89 x 51 x 22 mm)		3.5" x 2.0" x 0.5" (89 x 51 x 13 mm)	

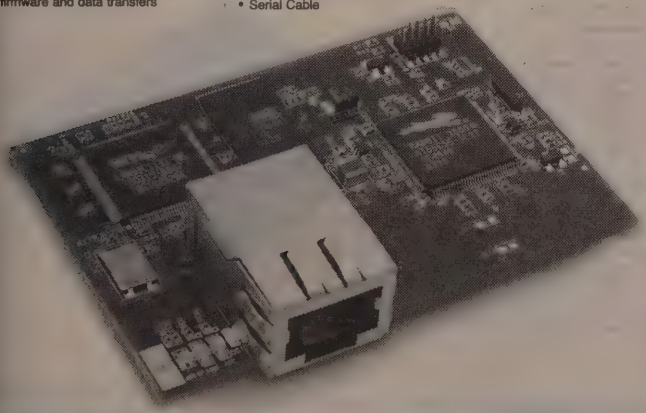
RCM3300 / 3310 / 3360 / 3370 RABBITCORE MICROPROCESSOR MODULE (44.0MHZ)

RCM3300 / 3310 / 3360 / 3370 - Smarter.Faster.Stronger

The RCM3300/3310 RabbitCore™ microprocessor core modules are ideal solutions for designers who want to rapidly develop serial Flash into their embedded application. The RCM3300/3310 offer 4 - 8 MB of serial Flash. The RCM3360 / 3370 core modules are ideal for large data applications requiring low power by adding a xD-Picture Card Connector.

Design Advantages:
- Ideal for network enabling Security & Access Systems, Home Automation, HVAC Systems, and Industrial Controls
- Reduces time-to-market by months
- Lots of storage with safe, secure firmware and data transfers

Development Kit Features:
- Microprocessor Core Module
- Prototyping Board
- Dynamic C SE Software
- CD Rom Documentation
- AC Adapter
- Serial Cable



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	10
694—101-0691		RCM 3300 Core (8 MB Serial Flash)	119.00	115.00
694—101-0698		RCM 3310 Core (4 MB Serial Flash)	99.00	95.00
694—101-0704		RCM 3300 Development Kit	299.00	299.00
694—101-0949		RCM 3360 Core (16MB and xD Card Slot)	105.00	100.00
694—101-0950		RCM 3370 Core (xD Card Slot)	95.00	92.10
694—101-0953		RCM 3360 Development Kit	399.00	399.00

RabbitCore RCM3300 Specifications

Features	RCM3300	RCM3310
Microprocessor	Rabbit 3000 @ 44.2 MHz	
Ethernet Port	10/100Base-T, RJ-45, 2 LEDs	
Flash	512K	
SRAM	512K program + 512K data	
Extended Memory (Chip or removable media)	8 MB Serial Flash (chip)	4 MB Serial Flash (chip)
Backup Battery	Connection for user-supplied battery (to support RTC and SRAM)	
LED Indicators	4: ACT (activity), LINK (link), SF (serial flash) 3300/3310, PFM (Parallel Flash Memory) 3360/3370, USR (user-programmable)	
General-Purpose I/O	49 parallel digital I/O: 43 configurable / 3 fixed inputs / 3 fixed outputs	
Additional Inputs	2 Startup Mode, Reset In	
Additional Outputs	Status, Reset Out	
Auxiliary I/O Bus	8 data and 5 address (shared with I/O), plus I/O read-write	
Serial Ports	Five 3.3 V CMOS-compatible: • 5 configurable as asynchronous (with IrDA) • 3 configurable as clocked serial (SPI) • 2 configurable as SDLC/HDLC • 1 asynchronous serial port dedicated for programming	
Serial Rate	Max. asynchronous baud rate = CLK/8	
Slave Interface	Slave port permits use as master or intelligent peripheral with master controller	
Real-Time Clock	Yes	
Timers	Ten 8-bit timers (6 cascadable from the first) and one 10-bit timer with 2 match registers	
Watchdog/Supervisor	Yes	
Pulse-Width Modulators	10-bit free-running counter and four pulse-width registers	
Input Capture	2-channel input capture can be used to time input signals from various port pins.	
Quadrature Decoder	2-channel quadrature decoder accepts inputs from external incremental encoder modules.	
Power	3.15-3.45 V DC, 350 mA @ 3.3 V	
Operating Temp.	40°C to +70°C	
Humidity	5-95%, noncondensing	
Connectors - Headers - xD memory card	Two 2 x 17 (2 mm pitch). One 2 x 5, 1.27 mm programming	
No	Yes	
Board Size	1.850" x 2.725" x 0.86" (47 x 69 x 22 mm)	

RABBIT Microprocessor Core Modules

RCM3000 RABBITCORE MICROPROCESSOR MODULES (29.4 MHZ)

The RCM3000 RabbitCore is Rabbit Semiconductor's most powerful and feature-packed microprocessor core module. Powered by the new Rabbit 3000® - the "EMI-Free microprocessor" - the RCM3000 is the ideal option for designers who want to rapidly develop and implement embedded systems with fully integrated Ethernet connectivity. Measuring only 2.73" x 1.85" (69 x 47 mm), the RCM3000 operates at 3.3 V (with 5 V-tolerant I/O) and features 6 serial ports. Built-in low-EMI features, including a clock spectrum spreader, help designers eliminate the kind of emissions-related problems that frequently derail tight development schedules. Available in two models, the RCM3000 is equipped with 10Base-T Ethernet, up to 512K each of Flash and SRAM, quadrature encoder inputs, PWM outputs, and pulse capture and measurement capabilities. Two 34-pin connection headers provide 52 digital I/O shared with the 6 serial ports an alternate I/O features. The integrated Ethernet port allows instant local or worldwide connectivity. (The RCM3000 is pin compatible with the non-Ethernet RCM3100, facilitating cost-effective implementation of both Ethernet and non-Ethernet systems) The RCM3000 features a battery-backable real-time clock, glueless memory and I/O interfacing, and ultra-low power "sleepy" modes. A fully enabled slave port permits easy master-slave interfacing with another processor-based system, and an alternate I/O bus can be configured for 8 data lines and 6 address lines (shared with parallel I/O). The Rabbit 3000 processor's compact, C-friendly instruction set and high clock speeds produce exceptionally fast results for math, logic, and I/O.

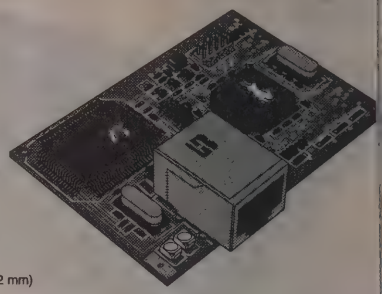
Designing with RabbitCores:

The RabbitCore family of microprocessor core modules is designed to facilitate rapid development and implementation of embedded systems. RabbitCores are powered by high-performance 8-bit Rabbit microprocessors with extensive integrated features and a C-friendly instruction set designed for use with the Dynamic C® SE development system. The RabbitCore mounts on a user-designed motherboard and acts as the controlling microprocessor for the user's system. Small in size but packed with powerful features, these core modules give designers a complete package for control and communication. The integrated Ethernet port frees designers from the limitations of serial-port communications and control and permits instant local or worldwide connectivity using low-cost networking hardware. Embedded systems using the Ethernet RabbitCore module can be controlled and monitored (as well as programmed and debugged when using appropriate accessory hardware) across any network or the Internet.

Feature:	RCM3000	RCM3010
Microprocessor	Rabbit 3000 at 29.4 MHz	
Ethernet Port	10Base-T, RJ-45, 2 LEDs	
SRAM	512K	128K
Backup Battery	Connection for user-supplied battery (to support RTC and SRAM)	
Auxiliary I/O Bus	8 data and 6 address (shared with I/O), plus I/O Read-Write	
Serial Ports	6 CMOS-compatible: • 6 configurable as asynchronous (with IrDA), 4 as clocked serial (SPI), and 2 as SDLC/HDLC (with IrDA) • 1 asynchronous clocked serial port dedicated for programming • Support for MIR/SIR IrDA transceiver	
Serial Rate	Max. asynchronous baud rate = CLK/8	
Slave Interface	Slave port permits use as master or intelligent peripheral with Rabbit-based or other master controller	
Timers	Ten 8-bit timers (6 cascadable from the first) and one 10-bit timer with 2 match registers	
Pulse-Width Modulators	10-bit free-running counter and four pulse-width registers	
Input Capture	2-channel input capture can be used to time input signals from various port pins.	
Quadrature Decoder	2-channel quadrature decoder accepts inputs from external incremental encoder modules.	

Features:

- 3.3 V operation
- Powerful Rabbit 3000® microprocessor
- Low-EMI (typically <10 dB μV/m @ 3 m)
- Built-in Ethernet for simplified connectivity
- Up to 512K Flash/512K SRAM
- 52 digital I/O:
  - 44 configurable I/O
  - 4 fixed inputs
  - 4 fixed outputs
- 6 serial ports (IrDA, SDLC/HDLC, Async, SPI)
- Ultra-low power "sleepy" modes
- With Real-Time Clock: RCM(3000, 3010)
- With Watchdog/Supervisor: RCM(3000, 3010)
- Power: 3.15–3.45 V DC, 150 mA @ 3.3 V
- Operating Temp.: -40° to +70°C
- Humidity: 5-95%, non-condensing
- Additional Inputs: 2 Startup Mode, Reset In
- Additional Outputs: Status, Reset Out
- Connectors: Two 2 x 17 (2mm pitch)
- Board Size: 2.73" x 1.85" x 0.86" (69 x 47 x 22 mm)



∗ Software available à la carte. See www.mouser.com/rabbitsemi/ **For quantities of 100 and up, call for quote**

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	10
694—101-0507		RCM3000 RabbitCore Module	79.00	73.73
694—101-0508		RCM3010 RabbitCore Module	59.00	54.70

Available Options and Accessories

694—101-0541	Keypad/Display Unit in Plastic Case. Water-resistant remote keypad/display, 7-key/122 x 32 pixel LCD oper. at 2.7-5V DC. (Cable not included, see below).	99.00	---
694—540-0066	Keypad/Display Unit Cable. 20" cable for panel-mount keypad/display unit.	15.00	---
694—101-0403	TCP/IP Tool Kit	99.00	---
694—101-0589	Rabbit Cloning Board	89.00	---
694—101-0467	8MB Serial Flash Expansion Board	119.00	---
694—540-0070	RS-232-to-USB Converter Cable	39.00	---
694—151-0113	Connector Adapter Board	15.00	---
∗ 694—101-0666	Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encription, and μC/OS-II	359.00	---

Development Kit

694—101-0523	RCM3000 Development Kits	299.00	---

RCM3100 RABBITCORE MICROPROCESSOR MODULE (29.4 MHZ)

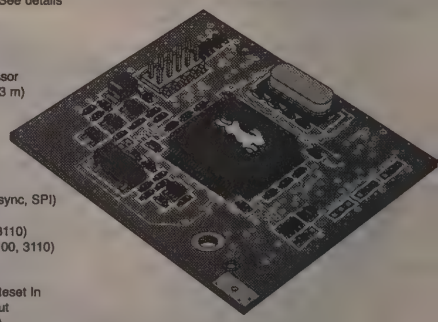
The RCM3100 RabbitCore microprocessor core module is the ideal option for designers who want to rapidly develop and implement embedded systems. Powered by the new Rabbit 3000® microprocessor, the compact RCM3100 boasts powerful features and a small footprint - 1.85" x 1.65" (47 x 42 mm)–to simplify integration. The RCM3100 has 6 serial ports and operates at 29.4 MHz and 3.3 V (with 5 V-tolerant I/O). Built-in low-EMI features, including a clock spectrum spreader, help designers eliminate the kind of emissions-related problems that frequently derail tight development schedules. Available in two models, the RCM3100 is equipped with up to 512K each of Flash and SRAM, quadrature encoder inputs, PWM outputs, and pulse capture and measurement capabilities. Two 34-pin connection headers provide 54 digital I/O shared with the 6 serial ports and alternate I/O features. (The RCM3100 is pin compatible with the Ethernet RCM3000, facilitating cost-effective implementation of both Ethernet and non-Ethernet systems.) The RCM3100 features a battery-backable real-time clock, glueless memory and I/O interfacing, and ultra-low power "sleepy" modes. A fully enabled 8-bit slave port permits easy master-slave interfacing with another processor-based system, and an alternate I/O bus can be configured for 8 data lines and 6 address lines (shared with parallel I/O). The Rabbit 3000 processor's compact, C-friendly instruction set and high clock speeds produce exceptionally fast results for math, logic, and I/O.

Feature:	RCM3100	RCM3110
Microprocessor	Rabbit 3000 at 29.4 MHz	
Flash	512K (2 x 256K)	256K
SRAM	512K	128K
Backup Battery	Connection for user-supplied battery (to support RTC and SRAM)	
Auxiliary I/O Bus	8 data and 6 address (shared with I/O), plus I/O Read-Write	
Serial Ports	6 CMOS-compatible: • 6 configurable as asynchronous (with IrDA), 4 as clocked serial (SPI), and 2 as SDLC/HDLC (with IrDA) • 1 asynchronous clocked serial port dedicated for programming • Support for MIR/SIR IrDA transceiver	
Serial Rate	Max. asynchronous baud rate = CLK/8	
Slave Interface	Slave port permits use as master or intelligent peripheral with Rabbit-based or other master controller	
Timers	Ten 8-bit timers (6 cascadable from the first) and one 10-bit timer with 2 match registers	
Pulse-Width Modulators	10-bit free-running counter and four pulse-width registers	
Input Capture	2-channel input capture can be used to time input signals from various port pins.	
Quadrature Decoder	2-channel quadrature decoder accepts inputs from external incremental encoder modules.	
Power	3.15–3.45 V DC 75 mA @ 3.3 V	

Designing with RabbitCores: See details at the top of the page.

Features:

- 3.3 V operation
- Powerful Rabbit 3000® microprocessor
- Low-EMI (typically <10 dB μV/m @ 3 m)
- Up to 512K Flash/512K SRAM
- Ultra-low power "sleepy" modes
- 54 digital I/O:
  - 46 configurable I/O
  - 4 fixed inputs
  - 4 fixed outputs
- 6 serial ports (IrDA, SDLC/HDLC, Async, SPI)
- Ultra-low power "sleepy" modes
- With Real-Time Clock: RCM(3100, 3110)
- With Watchdog/Supervisor: RCM(3100, 3110)
- Operating Temp.: –40°C to +85°C
- Humidity: 5-95%, non-condensing
- Additional Inputs: 2 Startup Mode, Reset In
- Additional Outputs: Status, Reset Out
- Connectors: Two 2 x 17 (2mm pitch)
- Board Size: 1.85" x 1.65" x 0.48" (47 x 42 x 12 mm)



For quantities of 100 and up, call for quote

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	10
694—101-0517		RCM3100 RabbitCore Module	65.00	55.00
694—101-0518		RCM3110 RabbitCore Module	45.00	38.00

Available Options and Accessories

Above accessories for RCM(3000, 3010) are applicable with RCM(3100, 3110)

Development Kit

694—101-0533	RCM3100 Development Kits	239.00	---

RABBIT Microprocessor Core Modules

RCM3200 RABBITCORE MICROPROCESSOR MODULE (44.2MHZ)

The RCM3200 RabbitCore microprocessor core module is an ideal option for designers who want to rapidly develop and implement embedded systems with integrated 10/100Base-T Ethernet connectivity. Measuring only 2.73" x 1.85" (69 x 47 mm), the RCM3200 operates at 3.3 V (with 5 V-tolerant I/O) and features 6 serial ports. Built-in low-EMI features, including a clock spectrum spreader, practically eliminate EMI problems, helping OEMs pass CE and regulatory RF emissions tests. Powered by the Rabbit 3000® microprocessor running at 44.2 MHz, the RCM3200 is equipped with 512K Flash memory, 512K program execution SRAM and 256K data SRAM, quadrature decoder, PWM outputs, and pulse capture capabilities. Two 34-pin connection headers provide 52 digital I/O shared with the 6 serial ports and alternate I/O features. The integrated Ethernet port allows real-time local or worldwide connectivity. The RCM3200 features a battery-backable real-time clock, glueless memory and I/O interfacing, and low-power "sleepy" modes. A fully enabled slave port permits easy master-slave interfacing with another processor-based system, and an alternate I/O bus can be configured for 8 data lines and 6 address lines (shared with parallel I/O). The Rabbit 3000 processor's compact, C-friendly instruction set and high clock speeds produce exceptionally fast results for math, logic, and I/O. RabbitCores mount directly on a user-designed motherboard and act as the controlling microprocessor for the user's system. RabbitCores can interface with all manner of CMOS-compatible digital devices through the user's motherboard. Programs are developed with our industry-proven Dynamic C® SE development system, a C-language environment that includes an editor, compiler, and in-circuit debugger (Dynamic C SE is included in low-cost development kits). Efficient hardware and software integration facilitates rapid design and development. User programs can be compiled, executed, and debugged using Dynamic C and a programming cable-no in-circuit emulator is required. An extensive library of drivers and sample programs is provided, along with royalty-free TCP/IP stack with source.

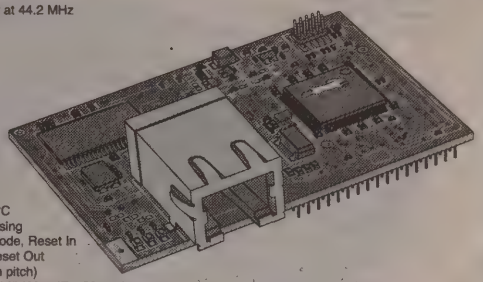
Designing with RabbitCores:

The RabbitCore family of microprocessor core modules is designed to facilitate rapid development and implementation of embedded systems. RabbitCores are powered by high-performance 8-bit Rabbit microprocessors with extensive integrated features and a C-friendly instruction set designed for use with the Dynamic C® SE development system. The RabbitCore mounts on a user-designed motherboard and acts as the controlling microprocessor for the user's system. Small in size but packed with powerful features, these core modules give designers a complete package for control and communication. The integrated Ethernet port frees designers from the limitations of serial-port communications and control and permits instant local or worldwide connectivity using low-cost networking hardware. Embedded systems using the Ethernet RabbitCore module can be controlled and monitored (as well as programmed and debugged when using appropriate accessory hardware) across any network or the Internet.

Feature:	RCM3200
Microprocessor	Rabbit 3000 at 44.2 MHz
Ethernet Port	10/100Base-T, RJ-45, 3 LEDs
SRAM	512K program + 256K data
Backup Battery	Connection for user-supplied battery (to support RTC and SRAM)
Auxiliary I/O Bus	8 data and 6 address (shared with I/O), plus I/O Read-Write
Serial Ports	6 CMOS-compatible: • 6 configurable as asynchronous (with IrDA), 4 as clocked serial (SPI), and 2 as SDLC/HDLC (with IrDA) • 1 asynchronous clocked serial port dedicated for programming • Support for MIR/SIR IrDA transceiver
Serial Rate	Max. asynchronous baud rate = CLK/8
Slave Interface	Slave port permits use as master or intelligent peripheralwith Rabbit-based or other master controller
Timers	Ten 8-bit timers (6 cascadable from the first) and one 10-bit timer with 2 match registers
Pulse-Width Modulators	10-bit free-running counter and four pulse-width registers
Input Capture	2-channel input capture can be used to time input signals from various port pins.
Quadrature Decoder	2-channel quadrature decoder accepts inputs from external incremental encoder modules.

Features:

- 10/100Base-T Ethernet
- Rabbit 3000® microprocessor at 44.2 MHz
- 3.3 V operation
- Low-EMI
- 512K Flash
- 52 digital I/O:
  44 configurable I/O
  4 fixed inputs
  4 fixed outputs
- With Real-Time Clock
- With Watchdog/Supervisor
- Power:
  3.15–3.45 V DC,
  255 mA @ 3.3 V
- Operating Temp.: -40° to +70°C
- Humidity: 5-95%, non-condensing
- Additional Inputs: 2 Startup Mode, Reset In
- Additional Outputs: Status, Reset Out
- Connectors: Two 2 x 17 (2mm pitch)
- Board Size: 2.73" x 1.85" x 0.86" (69 x 47 x 22 mm)



* Software available à la carte. See www.mouser.com/rabbitsemi/ **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	10
694—101-0520		RCM3200 RabbitCore Module	89.00	75.30

Available Options and Accessories

694—101-0541	Keypad/Display Unit in Plastic Case. Water-resistant remote keypad/display, 7-key/122 x 32 pixel LCD oper. at 2.7-5V DC. (Cable not included, see below).	99.00	- - -
694—540-0066	Keypad/Display Unit Cable. 20" cable for panel-mount keypad/display unit.	15.00	- - -
694—101-0403	TCP/IP Tool Kit	99.00	- - -
694—101-0467	8MB serial Flash Expansion Board	119.00	- - -
694—540-0070	RS-232-to-USB Converter Cable	39.00	- - -
694—151-0113	Connector Adapter Board	15.00	- - -
* 694—101-0666	Dynamic C Module. Includes: SNMP, PPP, RFU, AES, Library Encription, and μC/OS-II	359.00	

Development Kit

694—101-0552	RCM3200 Development Kit	349.00	- - -

RCM3400 RABBITCORE MICROPROCESSOR ANALOG MODULE (29.4MHZ)

The RCM3400 analog RabbitCore provides a known-good processor and analog input subsystem for OEMs to quickly integrate into custom designs. The RCM3400 features a low-EMI Rabbit 3000-based CPU subsystem running at 29.4 MHz, with 512K Flash / 512K SRAM or 256K Flash / 256K SRAM, 5 serial ports, and 8 channels of programmable gain analog input in an extremely small footprint (1.37" x 1.16" / 34 x 29 mm). The RCM3400 comes with a pre-assigned MAC I.D. to be Ethernet ready and the development board features 10/100Base-T Ethernet and can be used as a reference design in conjunction with Dynamic C's royalty-free TCP/IP software libraries. Extensive demo programs and software application templates make it easy to get the RCM3400 up and running in record time. RabbitCores mount directly on a user-designed motherboard and can interface with all manner of CMOS-compatible digital devices. Two 34-pin connectors route 47 digital I/O (shared with serial ports), power, and other signals to the motherboard. Built-in low—EMI features, including a clock spectrum spreader, practically eliminate EMI problems, helping OEMs pass CE and regulatory RF emissions tests. The RCM3400 is equipped with 5 V tolerant I/O, quadrature encoder inputs, PWM outputs, and pulse capture and measurement capabilities. The RCM3400 also features a battery-backable real-time clock, glueless memory and I/O interfacing, and low-power "sleepy" modes. A fully enabled 8-bit slave port permits easy master-slave interfacing with another processor-based system, and an alternate I/O bus can be configured for 8 data lines and 6 address lines (shared with parallel I/O). Programmed with Dynamic C, the RCM3400 executes math, logic, and I/O exceptionally quickly. The Rabbit 3000 chip, RCM3400, and Dynamic C were designed in a complementary fashion for maximum performance and ease of use in embedded systems. Our industry-proven Dynamic C® development system is a C—language environment that includes an editor, compiler, and in-circuit debugger. User programs can be compiled, executed, and debugged using Dynamic C and a programming cable-no in-circuit emulator is required. An extensive library of drivers and sample programs is provided, including royalty-free TCP/IP stack with source code.

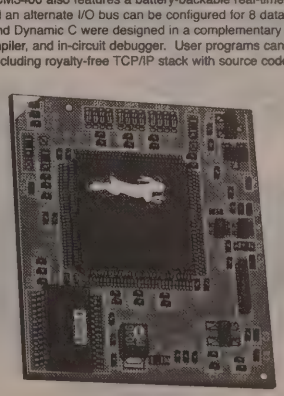
Feature:	RCM3400	RCM3410
Microprocessor	Rabbit 3000 at 29.4 MHz	
Analog Inputs	8 channels single-ended (11-bit) or 4 channels differential (12-bit) Programmable gain: 1, 2, 4, 5, 8, 10, 16, and 20 V/V. Vref, Convert	
Backup Battery	Connection for user-supplied battery (to support RTC and SRAM)	
Flash	512K	256K
SRAM	512K	256K
Auxiliary I/O Bus	8 data and 6 address (shared with I/O), I/O Read-Write	
Serial Ports	5 CMOS-compatible: • 4 configurable as asynchronous (with IrDA), 3 as clocked serial (SPI), and 2 as SDLC/HDLC (with IrDA) • 1 asynchronous serial port dedicated for programming • Support for MIR/SIR IrDA transceiver	
Serial Rate	Max. asynchronous baud rate = CLK/8	
Timers	Ten 8-bit timers (6 cascadable from the first) and one 10-bit timer with 2 match registers	
Pulse-Width Modulators	10-bit free-running counter and four pulse-width registers	
Input Capture	2-channel input capture can be used to time input signals from various port pins.	
Quadrature Decoder	2-channel quadrature decoder accepts inputs from external incremental encoder modules	

Designing with RabbitCores:

See details at the top of the page.

Features:

- 3.3 V operation
- Powerful Rabbit 3000® microprocessor
- Low-EMI (typically <10 dB μV/m @ 3 m)
- MAC ID installed
- 47 digital I/O: 41 configurable I/O, 3 fixed inputs, 3 fixed outputs
- Slave Interface: Slave port permits use as master or intelligent peripheral with Rabbit-based or other master controller
- With Real-Time Clock: RCM(3400, 3410)
- With Watchdog/Supervisor: RCM(3400, 3410)
- Operating Temp.: –40°C to +85°C
- Humidity: 5-95%, non-condensing
- Additional Inputs: 2 Startup Mode, Reset In
- Additional Outputs: Status, Reset Out
- Connectors: Two 2 x 17 (1.27 mm pitch)
- Board Size: 1.37" x 1.16" x 0.31" (35 x 29 x 7.4 mm)



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	10
694—101-0561		RCM3400 RabbitCore Module	79.00	66.84
694—101-0562		RCM3410 RabbitCore Module	59.00	49.92

Available Options and Accessories

Above accessories for RCM3200 are applicable with RCM(3400, 3410)
Except: Connector Adapter Board

Development Kit

694—101-0587	RCM3400 Development Kit	399.00	- - -

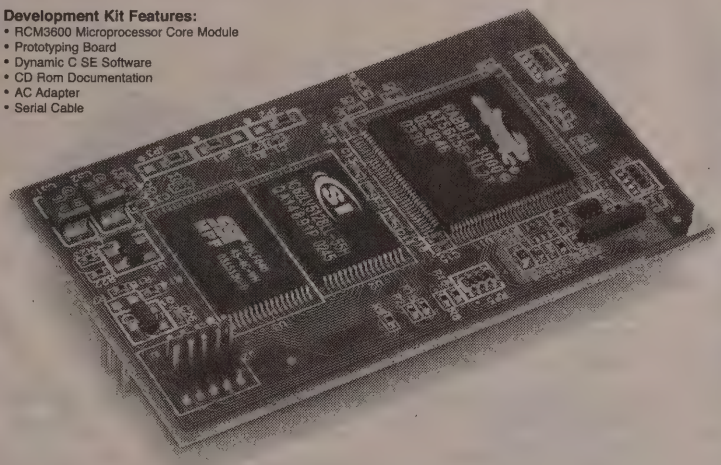
RABBIT Microprocessor Core Modules

RCM3600/3610 RABBITCORE MICROPROCESSOR MODULE (22.1MHZ)

The RCM3600 RabbitCore is the lowest priced Rabbit 3000 microprocessor based core module designed for a wide variety of applications. The RCM3600 features 512K Flash / 512K SRAM or 256K Flash / 128K SRAM, 4 serial ports, and an extremely small footprint (2.10" x 1.20" / 34 x 29 mm).

This RabbitCore mounts directly on a user-designed motherboard with a single 0.1" (2.54 mm) 2x20 dual-row IDC header and can interface with all manner of CMOS-compatible digital devices. 33 digital I/O (shared with serial ports), power, and other signals are routed directly to the motherboard. Built-in low – EMI features, including a clock spectrum spreader, practically eliminate EMI problems, helping OEMs pass European CE and other regulatory RF emissions tests.

Development Kit Features:
- RCM3600 Microprocessor Core Module
- Prototyping Board
- Dynamic C SE Software
- CD Rom Documentation
- AC Adapter
- Serial Cable



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	10
694—101-0672		RCM 3600 Core (512K Flash, 512K SRAM, 33 I/O)	49.00	47.50
694—101-0673		RCM 3610 Core (256K Flash, 128K SRAM, 33 I/O)	39.00	36.50
694—101-0678		RCM 3600 Development Kit	239.00	239.00

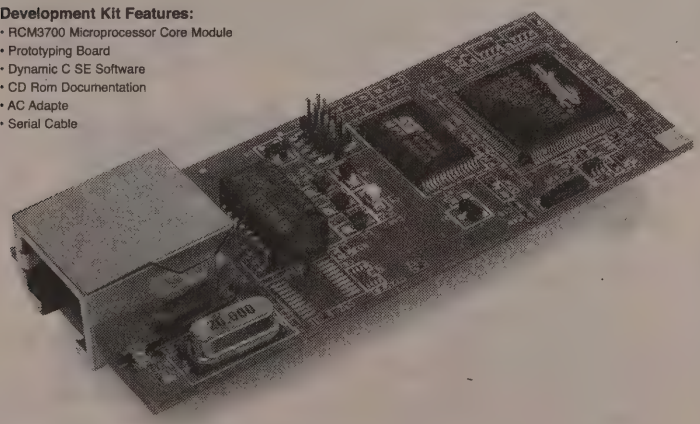
RabbitCore RCM3600 Specifications & Features		
Features	RCM3600	RCM3610
Microprocessor	Rabbit 3000A at 22.1 MHz	
EMI Reduction	Spectrum spreader for reduced EMI (radiated emissions)	
Flash	512K	256K
SRAM	512K	128K
Backup Battery	Connection for user-supplied battery	
General-Purpose I/O	33 digital I/O • 31 configurable I/O • 2 fixed outputs	
Additional Input	Reset	
Auxiliary I/O Bus	Can be configured for 8 data and 5 address lines (shared with parallel I/Olines), plus I/O read/write	
Serial Ports	Four 3.3 V CMOS-compatible: • 4 configurable as asynchronous (with IrDA) • 3 as clocked serial (SPI) and 1 as HDLC (with IrDA), or 1 SPI and 2 SDLC/HDLC • 1 asynchronous serial port dedicated for programming	
Power	Input : 4.0-12.6 VDC, 60 mA @ 22.1 MHz 38 mA @ 11.06 MHz	
Operating Temp.	–40°C to +85°C	
Humidity	5–95%, noncondensing	
Connectors	Single 2 x 20, 0.1" header	
Board Size	2.10" x 1.20 " x 0.62" (53 x 30 x 16 mm)	

RCM3700/3710 RABBITCORE MICROPROCESSOR MODULE (22.1MHZ)

The RCM3700 RabbitCore is the lowest priced Rabbit 3000 microprocessor based core module designed for Ethernet/Internet applications. The RCM3700 features 512K Flash / 512K SRAM or 256K Flash / 128K SRAM, 4 serial ports, and an extremely small footprint (2.95" x 1.20" / 75 x 30 mm).

This RabbitCore mounts directly on a user-designed motherboard with a single 0.1" (2.54 mm) 2 x 20 dual-row IDC header and can interface with all manner of CMOS-compatible digital devices. 33 digital I/O (shared with serial ports), power, and other signals are routed directly to the motherboard. Built-in low – EMI features, including a clock spectrum spreader, practically eliminate EMI problems, helping OEMs pass European CE and other regulatory RF emissions tests.

Development Kit Features:
- RCM3700 Microprocessor Core Module
- Prototyping Board
- Dynamic C SE Software
- CD Rom Documentation
- AC Adapte
- Serial Cable



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	10
694—101-0674		RCM 3700 Core (Ethernet, 512K Flash, 512K SRAM, 33 I/O)	59.00	57.44
694—101-0675		RCM 3710 Core (Ethernet, 256K Flash, 128K SRAM, 33I/O)	49.00	46.57
694—101-0961		RCM 3720 Core (Ethernet, 512K Flash, 256K SRAM, 33I/O)	55.00	53.30
694—101-0680		RCM3700 Development Kit	299.00	299.00
694—101-0897		Secure Embedded Web Application Kit	699.00	699.00

RabbitCore RCM3700 Specifications & Features			
Features	RCM3700	RCM3710	RCM 3720
Microprocessor	Rabbit 3000A at 22.1 MHz		
Ethernet Connectivity	10Base-T, RJ-45		
Flash	512K	256K	512K
SRAM	512K	128K	256K
Serial Flash	1MB		
Backup Battery	Connection for user-supplied battery		
General-Purpose I/O	33 digital I/O • 31 configurable I/O • 2 fixed outputs		
Additional Input	Reset		
Auxiliary I/O Bus	Can be configured for 8 data and 5 address lines read/write (shared with parallel I/O lines), plus I/O		
Serial Ports	Four 3.3 V CMOS-compatible: • 4 configurable as asynchronous (with IrDA) • 3 as clocked serial (SPI) and 1 as HDLC (with IrDA), or 1 SPI and 2 SDLC/HDLC 1 asynchronous serial port dedicated for programming		
Power	Input : 4.75-5.25 V DC, 100 mA @ 22.1 MHz ; 78 mA @ 11.06 MHz		
Operating Temp.	–40°C to +70°C		
Humidity	5–95%, noncondensing		
Connectors	Single 2 x 20, 0.1" (2.54 mm) header		
Board Size	2.95" x 1.20" x 0.89" (75 x 30 x 23 mm)		

RABBIT Ethernet and M2M Development Kits

RABBIT SERIAL-TO-ETHERNET

Ethernet designers now have a Serial-to-Ethernet Application Kit that is easy to use out of the box. The simple 3-Step Setup for transmitting data from a digital volt meter via a serial port to a TCP/IP stream enables even the newest user to quickly develop a Serial-to-Ethernet application. The kit features digital volt meter software libraries, sample programs and a menuing system, in addition to the Dynamic C integrated development environment. The digital volt meter application software provides a framework for users to start their design with minimal time and effort (volt meter not included in kit).

The Serial-to-Ethernet Application Kit includes a popular RCM3000 RabbitCore module featuring 10Base-T Ethernet and TCP/IP libraries with source code. Measuring only 2.73" x 1.85" (69 x 47 mm) the RMC3000 operates at 3.3V (with 5 V-tolerant I/O) and features 6 serial ports and 52 digital I/O. Available in two models, the RCM3000 is equipped with up to 512K each of Flash and SRAM, quadrature encoder inputs, PWM outputs, and pulse capture and measurement capabilities. Two 34-pin connection headers provide 52 digital I/O shared with the 6 serial ports and alternate I/O features.

Features:

- Serial to Ethernet applications for:
- Digital Volt Meter reader
- Binary & hexadecimal ASCII
- Configuration menuing system
- Royalty-free TCP/IP stack with source code

Design Advantages:

- 3 Step setup
- Minimal Ethernet experience required
- Software compatible with other Rabbit-based products

Serial to Ethernet Application Kit Specifications:

Feature	Serial-to-Ethernet Application Kit
Core Module	RCM3010
Prototyping Board	Standard RCM3000 Prototyping Board
Ethernet	10Base-T, RJ-45
Serial Ports	1 RS-232 hardware defined (additional ports available on RCM3010)
Cables	DB9 Null Modem Cable
Software Compiler	DB9 Null Modem Cable, 10-pin ® DB9 Conversion Cable, Ethernet Crossover Cable Programming Cable
Software Library	Allow faster serial communications: 1 Mbit/s
Sample Programs	Transmit data from DVM and store on a PC
Menuing Systems	For Serial-to-Ethernet configuration
Manuals	Serial-to-Ethernet 3-Step Setup Sheet, RCM3000 Getting Started Manual, RCM3000 User Manual (on CD)
Display	122 x 32 Keypad/Display Unit with LCD menu system

Serial-to-Ethernet Kit Pictured

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-0689		Serial-to-Ethernet Kit	349.00
694—101-0994		MultiPort Serial-to-Ethernet Kit (RCM3700 Core)	399.00

RABBIT MACHINE TO MACHINE (M2M) APPLICATION KIT

M2M (machine-to-machine/mobile) brings together **machine control with wireless communications**. With 50 billion "machines" in the world, M2M allows a machine to be monitored or controlled from anywhere, anytime, using current wireless data technologies such as GSM, SMS (text messaging) and GPRS.

Rabbit Semiconductor's M2M Applications Kit provides all the tools necessary to sample and design communications between a Rabbit-based device to a GSM/GPRS-enabled device (e.g. GSM modem/phone, PDA phone). The libraries and sample programs allow for a GSM modem/phone to send SMS (text) messages to a RabbitCore module (RCM) that can interpret messages as commands and in turn can execute control functions. The RCM can also send/receive email from any PC, device or phone. A menu system allows for easy interface on the keypad/display, as well as reading text messages and email. The M2M Application Kit includes Z-World's Dynamic C software with royalty-free TCP/IP stack and PPP module.

Machine2ME Node
Is a configuration involving an Ethernet-enabled Rabbit-based device at the heart of a Machine equipped with a GSM modem.
The Rabbit-based device acts as a server/node to other Ethernet devices. So a single Rabbit device with a wireless modem can control a number of Ethernet devices.

M2M Applications Kit Highlights:

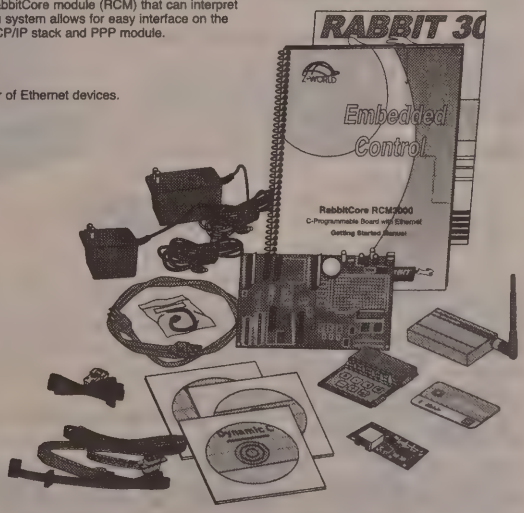
- HW/SW for wireless RCM-to-GSM communication
- Dual Band GSM/GPRS modem and antenna
- Keypad/Display configuration menu system
- Royalty-free TCP/IP stack with source code & PPP
- Samples/Libraries including Machine2ME Node Applications

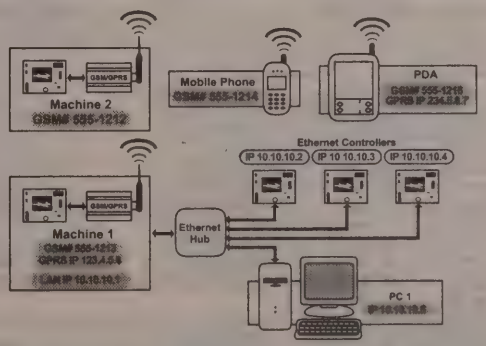
Applications:

- Wireless Embedded Control
- Alarms & Notification Systems
- Remote Device Monitoring
- Data and Event Logging
- Machine Communication

M2M Application Kit Specifications:

Feature	Serial-to-Ethernet Application Kit
Control Device and Display System	
Microprocessor Core Module	RCM3200 RabbitCore module
Microprocessor	Rabbit 3000 running at 44.2 MHz
Ethernet Connectivity	10/100Base-T, RJ-45
Memory	512K Flash, 512K SRAM (program). 256K SRAM (data)
General Purpose I/O	52 digital I/O, Auxiliary I/O Bus
Prototyping Board	RCM3200 Prototyping Board
Serial Ports	RS-232 (2 3-wire or 1 5-wire). Additional CMOS ports available on RCM3200
Display	122 x 32 Keypad/Display Unit with LCD menu system
GSM Modem	Wavecom Fastrack Dual Band GSM/GPRS modem (900/1900 MHz for US Kit, 900/1800 MHz for International Kit)
Antenna	Wave Device Antenna. 90° Adjustable Knuckle Antenna (1850-1990 MHz for US Kit, 870-960MHz for International Kit)
SIM Card (US Kits only)	T-Mobile SIM card (Activation required)
Software Development System	
Software Compiler	Z-World's Dynamic C 8.x with TCP/IP stack
Software Libraries	SMS/GPRS modes, Modem-specific Library
Additional Libraries	Dynamic C PPP module, Generic Modem Library, TCP/IP, SMTP, POP3, Telnet
Sample Programs	For SMS and GPRS communication and control Machine2ME components. FTP datalogging
Menuing System	For display of SMS and GPRS communications
Included Accessories	
Cables	Programming Cable for RCM 10-pin ® DB15 Conversion Cable Ethernet Crossover Cable
Documentation	M2M Applications Kit Getting Started Manual RCM3200 Getting Started Manual Full Documentation on CD
Power Supplies (US Kits Only)	9 V DC adapter for RCM3200 12 V DC, 1 Amp (min.) for GSM Modem. Power cable included.





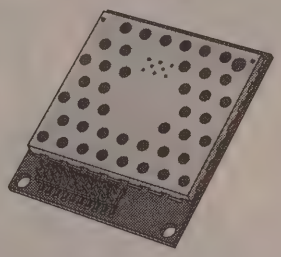
MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-0721		M2M Application Kit	699.00

AEROCOMM Embedded Wireless Modules

900 MHZ AC4490 SERIES - SERVER/CLIENT PROTOCOL

Compact AC4490 900MHz transceivers can replace miles of cable in harsh industrial environments. Using field-proven FHSS technology that needs no additional site licensing*, AC4490s reject interference, enable co-located system operation, increase output power and maintain data integrity.

AC4490s feature drop-in installation and a number of on-the-fly control commands, providing OEMs with a versatile interface for any application. They can be used as direct wire replacements, requiring no special host software for communication. All frequency hopping, synchronization and RF system data transmission/reception is performed by the transceiver.



Features:

- High 900MHz data rate: 115.2 Kbps
- Small form factor: 1.65 x 1.9 inches
- Operates in –40°C to +80°C temperatures
- Variable output power: 5mW to 1000mW
- One full watt enables 20-mile possible range
- Lowest cost one-watt module available

Parameter	AC4490-200	AC4490-1000
Interface	20-pin mini connector	20-pin mini connector
Frequency*	902-928 MHz (U.S)**	902-928 MHz (U.S)**
Modulation	FHSS FSK	FHSS FSK
Serial Interface Options	3V or 5V TTL	3V TTL
Serial Interface Data Rate	Up to 115.2 Kbps	Up to 115.2 Kbps
Output Power (w/ 3dBi antenna)	5mW-200mW variable	5mW-1000mW variable
Power Consumption†	68 mA typical @ 200mW	765 mA typical @ 1000mW
Channels	Up to 48 (U.S.)**	Up to 32 (U.S.)**
Security	One-byte system ID, DES	One-byte system ID, DES
Voltage	3.3V-5.5V	pin 10: 3.3V-5.5V pin 11: 3.3V +/-3%
Sensitivity	-99 dB @ full RF data rate	-99 dB @ full RF data rate
Range	Up to 4 miles (6.5 km)	Up to 20 miles (32 km)
Temperature	-40° to +80°C	-40° to +80°C
Humidity (non-condensing)	10% to 90%	10% to 90%
Dimensions	1.90 x 1.65 x 0.20 inches (49 x 42 x 5 mm)	1.90 x 1.65 x 0.20 inches (49 x 42 x 5 mm)
Weight	< 0.75 oz (< 21 g)	< 0.75 oz (< 21 g)
Antenna	Integrated and external dipole	External dipole

* The 900MHz frequency band is approved in the Americas and Australia an an unlicensed spectrum subject to approval by device.
** For products and specifications suited to non-U.S. countries, please contact AeroComm directly.
† Power consumption assumes 50% transmitter on-time.

For quantities of 100 and up, call for quote.

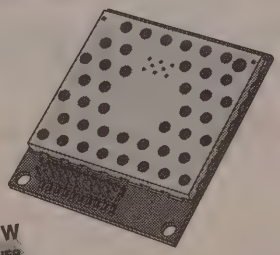
MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each 1	Price Each 50
5mW-200mW Variable Modules				
814-AC4490-200M	AC4490-200M	900 MHz FHSS module w/ MMCX ant. connector, RS232	62.50	58.50
814-AC4490-200A	AC4490-200A	900 MHz FHSS module w/ integral ant., RS232	63.85	59.50
814-AC4490-200M5485	AC4490-200M-485	900 MHz FHSS module w/ MMCX ant. connector, RS485	63.50	59.20
814-AC4490-200A5485	AC4490-200A-485	900 MHz FHSS module w/ integral ant., RS485	64.85	60.85
5mW-1000mW Variable Modules				
814-AC4490-1000M	AC4490-1000M	900 MHz FHSS module w/ MMCX ant. connector	77.50	73.50
814-AC44901000M485	AC4490-1000M-3-485	900 MHz FHSS module w/ MMCX ant. connector, RS485	78.50	74.50

900 MHZ AC4790 SERIES - PEER/PEER PROTOCOL

High-performance AC4790 transceivers utilize AeroComm's "masterless" protocol, allowing each transceiver to communicate with any other in-range transceiver for true peer-to-peer operation.

Using field-proven 900MHz FHSS technology that needs no additional site licensing*, AC4790s reject interference, enable co-located system operation, increase output power and maintain data integrity.

AC4790's protocol features a dynamic addressing scheme, which simplifies the most efficient transmission path, so OEMs can design routing sequences that optimize the RF network. This makes AC4790 ideal for a wide variety of RF network. This makes AC4790 ideal for a wide variety of industrial applications that must rely on smooth, constant data flow.



NEW FROM SUPPLIER

Features:

- True peer-to-peer protocol
- Small form factor: 1.65 x 1.9 inches
- API commands to control packet routing
- Software-controlled sensitivity
- Remote radio discover
- Variable output power: 5mW to 1000mW

Parameter	AC4790-200	AC4790-1000
Interface	20-pin mini connector	20-pin mini connector
Frequency*	902-928 MHz (U.S)**	902-928 MHz (U.S)**
Modulation	FHSS FSK	FHSS FSK
Serial Interface Options	3V or 5V TTL	3V TTL
Serial Interface Data Rate	Up to 115.2 Kbps	Up to 115.2 Kbps
Output Power (w/ 3dBi antenna)	5mW-200mW variable	5mW-1000mW variable
Power Consumption†	68 mA typical @ 200mW	765 mA typical @ 1000mW
Channels	Up to 48 (U.S.)**	Up to 32 (U.S.)**
Security	One-byte system ID, DES	One-byte system ID, DES
Voltage	3.3V-5.5V	3.3V
Sensitivity (adjustable)	-99 dB @ full data rate	-99 dB @ full data rate
Range (line-of-sight)	Up to 4 miles (up to 6.5 km) with external antenna	Up to 20 miles (up tp 32 km) with high-gain antenna
Temperature	-40° to +80°C	-40° to +80°C
Humidity (non-condensing)	10% to 90%	10% to 90%
Dimensions	1.90 x 1.65 x 0.20 inches (49 x 42 x 5 mm)	1.90 x 1.65 x 0.20 inches (49 x 42 x 5 mm)
Weight	< 0.75 oz (< 21 g)	< 0.75 oz (< 21 g)
Antenna	Integrated or external dipole††	External dipole††

* The 900MHz frequency band is approved in the Americas and Australia an an unlicensed spectrum subject to approval by device.
** For products and specifications suited to non-U.S. countries, please contact AeroComm directly.
† Power consumption assumes 50% transmitter on-time.
†† Higher-gain antennas optional.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each 1	Price Each 50
5mW-200mW Variable Modules				
814-AC4790-200M	AC4790-200M	900 MHz FHSS module w/ MMCX ant. connector, RS232	62.50	58.50
814-AC4790-200A	AC4790-200A	900 MHz FHSS module w/ integral ant., RS232	63.85	59.50
814-AC4790-200M485	AC4790-200M-485	900 MHz FHSS module w/ MMCX ant. connector, RS485	63.50	59.20
814-AC4790-200A485	AC4790-200A-485	900 MHz FHSS module w/ integral ant., RS485	64.85	60.85
5mW-1000mW Variable Modules				
814-AC4790-1000M	AC4790-1000M	900 MHz FHSS module w/ MMCX ant. connector	77.50	73.50
814-AC47901000M485	AC4790-1000M-485	900 MHz FHSS module w/ MMCX ant. connector, RS485	78.50	74.50

900 MHZ WIRELESS TRANSCEIVER MODULE DEVELOPMENT KITS AND ANTENNAS

AeroComm provides a complete development environment to help you integrate and test RF communication in a matter of minutes.

Development Kits Include:

- 2 Transceivers
- 2 Adapter Boards
- Software Utilities
- 2 AC Power Adapters
- 2 DB9 serial cables
- 2 USB cables
- 2 Dipole Antennas
- Documentation

System Requirements:

- Win® 95, 98, ME, NT, XP, or 2K
- Two PCs each with one serial port, or one PC with two serial ports

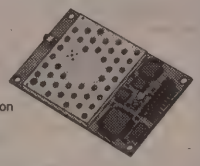
Development Kit

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
AC4490 Series - Server/Client Protocol			
814-SDKAC4490200M	SDK-AC4490-200M	AC4490-200M-3 Developer Kit	199.95
814-SDKAC4490200A	SDK-AC4490-200A	AC4490-200A-3 Developer Kit	199.95
814-SDKAC44901000M	SDK-AC4490-1000M	AC4490-1000M-3 Developer Kit	199.95
AC4790 Series - Peer/Peer Protocol			
814-SDK-AC4790-200M	SDK-AC4790-200M	AC4790-200M Developer Kit	199.95
814-SDK-AC4790-200A	SDK-AC4790-200A	AC4790-200A Developer Kit	199.95
814-SDK-AC47901000M	SDK-AC4790-1000M	AC4790-1000M Developer Kit	199.95

900 MHZ ANTENNAS

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
814-0600-00019	0600-00019	1/2 wave, 7" Swivel, 2dBi, RA, MMCX plug	16.00
814-0600-00025	0600-00025	1/2 wave, 7", 2dBi, MMCX plug	16.00
814-0600-00024	0600-00024	1/2 wave, 7", 2dBi, RA, RPSMA	16.00
814-0600-00027	0600-00027	1/2 wave, 7", 2dBi, RPSMA	16.00

2.4 GHZ AC4424 SERIES - WIRELESS TRANSCEIVER MODULES, FLEXIBLE PROTOCOL



AC4424 is a 2.4GHz FHSS digital transceiver that represents a breakthrough in industrial RF communication. Comprised of a complete, agency-certified radio and sophisticated RF232® protocol, AC4424 simplifies the OEM's design effort and assures successful field operation.

RF232 makes AC4424 a drop-in module for seamless integration, easy operation and fast time-to-market. As each transceiver receives raw data, it manages protocol over-the-air to assure successful transmissions. Headers, data packet length and CRCs are not needed. The process is transparent to the OEM.

AC4424 modules are socket-compatible with AeroComm's 900MHz AC4490 transceivers, enabling OEMs to design once and subsequently interchange radios to accommodate new markets, regulations and environments.* Developer tools and support back every transceiver line.

* Although AC4424s will not talk to AC4490s, socket-compatibility allows for seamlessly interchanging the modules network-wide.
** Power consumption assumes 50% transmitter on-time.
† 32 channels in U.S.; 16 channels in Spain, 16 channels in France.

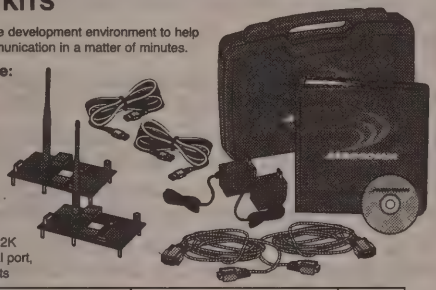
Parameter	AC4424-10	AC4424-100	AC4424-200
Interface	20-pin mini connector	20-pin mini connector	20-pin mini connector
Frequency	2.402 - 2.478 GHz	2.402 - 2.478 GHz	2.402 - 2.478 GHz
Modulation	FHSS FSK	FHSS FSK	FHSS FSK
Serial Interface Options	3V or 5V TTL	3V or 5V TTL	3V or 5V TTL
Serial Interface Data Rate	Up to 192 Kbps	Up to 192 Kbps	Up to 192 Kbps
Output Power	10mW	100mW	200mW
Power Consumption**	115/90 mA	160/85 mA	260/90 mA
Sleep Mode	15 mA	15 mA	15 mA
Channels	4 sets of 16†	4 sets of 16†	4 sets of 16†
Security	One-byte system ID, DES	One-byte system ID, DES	One-byte system ID, DES
Voltage	5 V nominal +/- 2% ± 5 mV ripple	5 V nominal +/- 2% ± 5 mV ripple	5 V nominal +/- 2% ± 5 mV ripple
Sensitivity	-100 dB @ full RF data rate	-100 dB @ full RF data rate	-100 dB @ full RF data rate
Range	Up to 0.5 mile (1 km)	Up to 1 mile (2 km)	Up to 2 miles (3 km)
Temperature	-40° to +80°C	-40° to +80°C	-40° to +80°C
Humidity	10% to 90%	10% to 90%	10% to 90%
Dimensions	1.65 x 2.65 x 0.20 inches (6.7 x 4.2 x 0.5 cm)	1.90 x 2.65 x 0.20 inches (6.7 x 4.2 x 0.5 cm)	1.90 x 2.65 x 0.20 inches (6.7 x 4.2 x 0.5 cm)
Weight	< 0.7 oz (< 20 g)	< 0.7 oz (< 20 g)	< 0.7 oz (< 20 g)
Antenna	MMCX receptacle	MMCX receptacle	MMCX receptacle

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each 1	Price Each 50
814-AC4424-10	AC4424-10	2.4GHz OEM Transceiver, 5V TTL Serial, 10mW	92.00	90.00
814-AC4424-10A	AC4424-10A	2.4GHz OEM Transceiver, 5V TTL Serial, 10mW, integral ant.	95.00	93.00
814-AC4424-100	AC4424-100	2.4GHz OEM Transceiver, 5V TTL Serial, 100mW	98.00	95.00
814-AC4424-200	AC4424-200	2.4GHz OEM Transceiver, 5V TTL Serial, 200mW	99.00	97.00

2.4 GHZ WIRELESS TRANSCEIVER MODULE DEVELOPMENT KITS

AeroComm provides a complete development environment to help you integrate and test RF communication in a matter of minutes.



Development Kits Include:
- 2 Transceivers
- 2 Adapter Boards
- Software Utilities
- 2 AC Power Adapters
- 2 DB9 serial cables
- 2 USB cables
- 2 Dipole Antennas
- Documentation

System Requirements:
- Win® 95, 98, ME, NT, XP, or 2K
- Two PCs each with one serial port, or one PC with two serial ports

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
814-SDK-AC4424-10	SDK-AC4424-10	AC4424-10 Developer Kit	199.95
814-SDK-AC4424-10A	SDK-AC4424-10A	AC4424-10A Developer Kit	199.95
814-SDK-AC4424-100	SDK-AC4424-100	AC4424-100 Developer Kit	199.95
814-SDK-AC4424-200	SDK-AC4424-200	AC4424-200 Developer Kit	199.95

2.4 GHZ ANTENNAS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
814-0600-00002	0600-00002	1/2 wave, 5", 2dBi, RA, MMCX plug	15.00
814-0600-00008	0600-00008	1/2 wave, 5", 2dBi, MMCX plug	15.00
814-0600-00014	0600-00014	1/2 wave, 5", 2dBi, RA, RPSMA	15.00
814-0600-00012	0600-00012	7", 5dBi, RA, MMCX plug	16.00
814-0600-00011	0600-00011	7", 5dBi, MMCX plug	16.00
814-0600-00010	0600-00010	7", 5dBi, RA, RPSMA	16.00
814-2150-00006	2150-00006	NZH2400 microstrip antenna	10.00
814-1300-00023	1300-00023	7" RG178 coax, RA MMCX plug to RPSMA bulkhead	14.00

2.4 GHZ ACCESSORIES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
814-2200-00076	2200-00076	CL4424-100-232 PCB board only with DB-9 connection	140.00
814-0700-00012	0700-00012	Samtec 20-pin mating connector for AC4424 and AC4490	3.00
814-0650-00002	0650-00002	Power Supply, 6VDC, 800mA, Unreg, 120VAC input	20.00

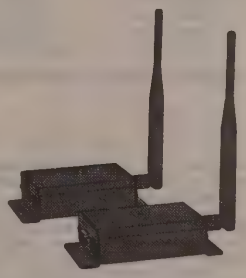
2.4 GHZ CONNEX MODEM™

ConnexModem is a powerful 2.4GHz radio transceiver combined with a 56K data/fax modem. The system can be set up in minutes to enable wireless communication between local RS232 devices and any standard phone line. Proprietary FHSS technology ensures reliable, secure transmissions even in RF-hostile environments.

The ConnexModem system is comprised of a remote node (ConnexPC, which enables local wireless data transmissions) and a telecom node (ConnexModem, which bridges the local wireless link to a telecom system for longer-range communication).

Features:
- Communicate to telecom lines thousands of feet away
- Check on the status of equipment via telephone and IP
- "Connect" internet appliances to distant phone jacks
- Talk around corners and through walls—no holes to drill or wires to hide

CM5124 Parameters:
- Standard Interface: ConnexModem: dual RJ11 ConnexLink: RS232 (DB9 male) RS485 or RS422 (RJ11)
- Interface Data Rate: Up to 56 Kbps
- Output Power: 200mW
- Input Power: 6VDC to 18VDC
- Power Consumption (typical): ConnexModem: 600mA, ConnexLink: 400mA
- Power Supply: AC transformer to 6VDC via 6-foot cable (183 cm)
- Electrical Requirements: Line voltage 100–120V (240V outside U.S.); Freq. 50–60Hz
- Transmission Range (typical): Up to 500 feet (152 m) indoors (actual depends on environment); Up to 3 (5 km) miles line of sight
- Operating Environment: -40° to +80°C 10% to 90% humidity



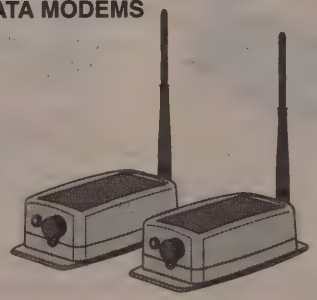
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
814-CM5124-200-232SP	CM5124-200-232-SP	ConnexModem "Starter Pack" includes 1 ConnexModem unit and 1 ConnexLink RS232 unit	299.00

900MHZ ACE INDUSTRIAL WIRELESS DATA MODEMS

AeroComm's ACE RF data modems combine high performance and reliability with heavy-duty packaging designed to withstand harsh environmental conditions- splashing water, corrosive agents, dirt, ice and snow ACEs suit rugged industrial applications where outdoor communications and NEMA-4x ratings are essential. ACEs provide high output power to deliver line-of sight ranges up to 20 miles with high-gain antennas.

ACE modems are completely compatible with AeroComm's AC4490 transceivers and CL4490 commercial modems. This allows OEMs to construct systems which utilize ruggedized devices only where necessary, saving system costs.



ACE Product Highlights:

NEW FROM SUPPLIER

- NEMA-4x rated packaging
- One full watt of RF output power
- Industrial temp range -40° to +80°C
- Standard interface, RS232

Parameter	ACE6490 Model	ACE6790 Model
Network Architecture	Server/Client	Peer-to-Peer
Standard Interface	RS232	RS232
Frequency, Modulation	902-928 MHz FHSS FSK	902-928 MHz FHSS FSK
Serial Interface Data Rate	Up to 115.2 Kbps	Up to 115.2 Kbps
Output Power	1000mW variable	1000mW variable
Input Power	7Vdc to 26Vdc	7Vdc to 26Vdc
Power Consumption	400mATX, 40mARX	400mATX, 40mARX
Connection	16-pin connector	16-pin connector
Channels	Up to 32	Up to 32
Security	1-byte system ID, DES	1-byte system ID, DES
Sensitivity	-99 dB @ full RF data rate	-99 dB @ full RF data rate
Range (line of sight)	Up to 20 miles (32 km) w/ high-gain antenna	Up to 20 miles (32 km) w/ high-gain antenna
Temperature	-40° to +80°C	-40° to +80°C
Humidity (non-condensing)	10% to 90%	10% to 90%
Dimensions	6.87 x 3.57 x 2.05 inches (175 x 91 x 52 mm)	6.87 x 3.57 x 2.05 inches (175 x 91 x 52 mm)
Antenna connector	Dipole RPSMA jack	Dipole RPSMA jack

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
Server/Client Protocol			
814-ACE6490-232	ACE6490-1000-232	ACE 6490 Kit - includes 1 Transceiver, Cable, Antenna, Power Supply and Software	449.00
814-ACE6490-232-SP	ACE6490-1000-232-SP	ACE 6490 Starter Pack - includes 2 Transceivers, Cables, Antennas, Power Supplies and Software	899.00
Peer-to-Peer Protocol			
814-ACE6790-232	ACE6790-1000-232	ACE6790 Kit - includes 1 Transceiver, Cable, Antenna, Power Supply and Software	449.00
814-ACE6790-232-SP	ACE6790-1000-232-SP	ACE 6790 Starter Pack - includes 2 Transceivers, Cables, Anennas, Power Supplies and Software	899.00

AEROCOMM Embedded Wireless Modules

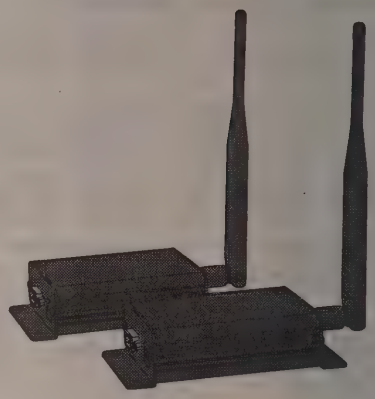
AEROCOMM

900MHZ / 2.4 GHZ CONNEX LINK™

ConnexLink stand-alone transceivers can be set up in minutes to virtually cut the cables between RS232 or RS485 devices. Their flexibility and price allow users to quickly upgrade wired terminals to cordless operation in industrial, commercial, even residential applications.

ConnexLink Highlights:

- Durable industrial-grade enclosure
- Transmits around corners, through walls
- Reliable communication up to 288 Kbps
- Point-to-point & point-to-multipoint setups
- Quickly replace serial cable in both old and new equipment
- Move links from machine to machine without costly rewiring
- CL4790-1000 can be used for True Peer to Peer Protocol



Parameter	CL4490-1000	CL4790-1000	CL4424-100	CL5124-232
Network Architecture	Server/Client	True Peer-to-Peer	Server/Client	Server/Client
Standard Interface	RS232 (DB9 male)	RS232 (DB9 male)	RS232 (DB9 male)	RS232 (DB9 male)
Frequency Band	902-928 MHz	902-928 MHz	2.402-2.478 GHz	2.402-2.478 GHz
Modulation	FHSS FSK	FHSS FSK	FHSS FSK	FHSS FSK
Serial Interface Data Rate	Up to 115.2 Kbps	76.8 Kbps Fixed	Up to 288 Kbps	Up to 115.2 Kbps
Output Power	1000mW variable	1000mW variable	100mW fixed	200 mW typical
Input Voltage	7VDC to 18VDC	7VDC to 18VDC	7VDC to 18VDC	7VDC to 18VDC
Power Draw (@ 12Vdc)	400mATX, 40mARX	400mATX, 40mARX	125mATX, 80mARX	240mATX, 80mARX
Channels	Up to 32	Up to 32	64 in U.S., 32 in Europe	Up to 77
Security	1-byte system ID, DES	1-byte system ID, DES	1-byte system ID	8-byte system ID
Sensitivity	-99 dB @ full RF data rate	-100 dB @ full RF data rate	-90 dB @ full RF data rate	-90 dB @ full RF data rate
Range (line-of-sight)	Up to 20 miles (32 km)	Up to 20 miles (32 km)	Up to 2 miles (3.2 km)	Up to 2 miles (3.2 km)
Temperature	-40°to +80°C	-40°to +80°C	-40°to +80°C	-40°to +80°C
Humidity (non-condensing)	10% to 90%	10% to 90%	10% to 90%	10% to 90%
Dimensions	4.75 x 2.75 x 1.17 inches (121 x 70 x 30 mm)	4.75 x 2.75 x 1.17 inches (121 x 70 x 30 mm)	4.75 x 2.75 x 1.17 inches (121 x 70 x 30 mm)	1.90 x 2.65 x 0.20 inches (42 x 67 x 51 mm)
Antenna connector	Dipole RPSMA jack	Dipole RPSMA jack	Dipole RPSMA jack	Dipole RPSMA jack

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
900 MHz Models - 1000mW- Server/Client Protocol			
814-CL4490-232-C	CL4490-1000-232	Client Only Unit Kit includes Transceiver (Client Config.), RS-232 cable, Antenna, Power Supply and Software (Requires a Server Unit)	110.00
814-CL4490-232-SP	CL4490-1000-232-SP	Starter Pack includes both a Server and Client Unit, RS-232 cables, Antennas, Power Supplies and Software	225.00
900 MHz Models - 1000mW- Peer-to-Peer Protocol			
814-CL4790-232	CL4790-1000-232	Single Unit Kit (Peer to Peer Protocol) includes Transceiver, RS-232 cable, Antenna, Power Supply and Software	110.00
814-CL4790-232-SP	CL4790-1000-232-SP	Starter Pack (Peer to Peer Protocol) includes Two Transceiver Units, RS-232 cables, Antennas, Power Supplies and Software	225.00
2.4 GHz Models - 100mW- Server/Client Protocol			
814-CL4424-232-C	CL4424-100-232	Client Only Unit Kit includes Transceiver (Client Config.), RS-232 cable, Antenna, Power Supply and Software (Requires a Server Unit)	184.00
814-CL4424-232-SP	CL4424-100-232-SP	Starter Pack includes both a Server and Client Unit, RS-232 cables, Antennas, Power Supplies and Software	368.00
2.4 GHz Models - 200mW- Server/Client Protocol			
814-CL5124-232-C	CL5124-200-232	Client Only Unit Kit includes Transceiver (Client Config.), RS-232 cable, Antenna, Power Supply and Software (Requires a Server Unit)	175.50
814-CL5124-232-SP	CL5124-200-232-SP	Starter Pack includes both a Server and Client Unit, RS-232 cables, Antennas, Power Supplies and Software	355.00

CONNEX LINK™ ACCESSORIES

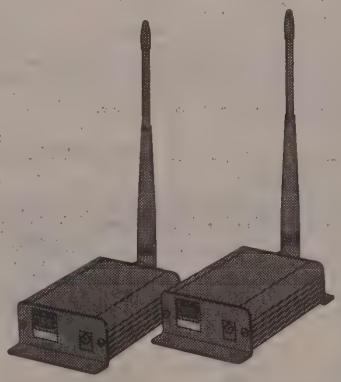
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each	
			1	100
814-2200-00076	2200-00076	CL4424-100-232 PC Board only RS-232 with DB-9 (No Package)	140.00	132.00
814-2200-00109	2200-00109	CL5124-200-232 PC Board only RS-232 with DB-9 (No Package)	140.00	132.00
814-2200-00122	2200-00122	CL4490-1000-232 PC Board only RS-232 with DB-9 (No Package)	100.00	95.00
814-1300-00032	1300-00032	Null-Modem Cable (replaces standard cable if connecting Aerocomm units to DCE devices)	14.00	13.00
814-0600-00031	0600-00031	5dBi antenna with 6" flying lead, 900MHz, Nearson S151	30.00	27.00

900MHZ FHSS CONNEXNET™

ConnexNet provides a complete hardware and software solution for adding wireless network connectivity to serial-based applications. The transceiver serves as a conduit between the user and multiple destination devices via a local network or Internet connection. It integrates a fully developed TCP/IP network stack and OS using a variety of network protocols to make distant networking both easy and reliable.

Each unit is small and easily portable for use in mobile and temporary settings as well as for fixed installations. ConnexNet software enables custom configurations based on unique application requirements, and simplifies installation and setup. The network settings can be configured remotely over a network (password protected).



Parameter	CN4790-1000	CN4490-1000
Architecture	Peer-to-Peer	Server/Client
Network Interface Standard	IEEE 802.3	IEEE 802.3
Physical Layer	10/100BaseT	10/100BaseT
Mode	Half-duplex and full-duplex	Half-duplex and full-duplex
Interface Connector	RJ-45	RJ-45
Frequency Band	902-928 MHz	902-928 MHz
Modulation	FHSS FSK	FHSS FSK
Serial Interface Data Rate	Up to 115.2 Kbps	Up to 115.2 Kbps
Output Power	1000mW variable	1000mW variable
Input Power	7VDC to 18VDC	7VDC to 18VDC
Power Draw (@ 12Vdc)	400mA TX, 40mA RX	400mA TX, 40mA RX
Power Supply	AC transformer	AC transformer
Channels	Up to 32	Up to 32
Security	1-byte system ID, DES	1-byte system ID, DES
Sensitivity	-99 dB @ full RF data rate	-99 dB @ full RF data rate
Range (line-of-sight)	Up to 20 miles (32 km)	Up to 20 miles (32 km)
Temperature	-40° to +80°C	-40° to +80°C
Humidity (non-condensing)	10% to 90%	10% to 90%
Dimensions	4.75 x 2.75 x 1.17 in. (121 x 70 x 30 mm)	4.75 x 2.75 x 1.17 in. (121 x 70 x 30 mm)
Weight	< 6 oz (< 170 g)	< 6 oz (< 170 g)
Antenna Connector	Dipole RPSMA jack	Dipole RPSMA jack

ConnexNet Highlights:

- Wireless LAN service supporting Ethernet interface
- Comprehensive networking protocols
- Equipped with a CPU, real-time OS , TCP/IP stack
- Provides control from virtually anywhere via the Internet
- Wireless serial (RS232) to Ethernet bridge

NEW FROM SUPPLIER

Ethernet Protocols	
Function	**Protocols**
Network Communication	ARP, UDP, TCP, ICMP, TelNet, TFTP AutoIP, DHCP, HTTP, SNMP
Connections to Serial Port	TCP, UDP, PPP, TelNet
Firmware Update	TFTP
Addressing, Routing, Data Block	IP

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
Server/Client Protocol			
814-CN4490-1000	CN4490-1000	ConnexNet Ethernet Transceiver for (server//client protocol) - includes Antenna and Power Supply*	212.00
814-CN4490-232-SP	CN4490-1000-232-SP	Starter Pack - includes one ConnexNet and one ConnexLink RS232 serial unit CN4490-1000-232-SP	325.00
Peer-to-Peer Protocol			
814-CN4790-1000	CN4790-1000	Ethernet Transceiver for (peer- to-peer protocol) - includes Antenna and Power Supply*	212.00
814-CN4790-232-SP	CN4790-1000-232-SP	Starter Pack - includes one ConnexNet and one ConnexLink RS232 serial unit CN4490-1000-232-SP	325.00

* Requires a ConnexLink RS232 to make a link.

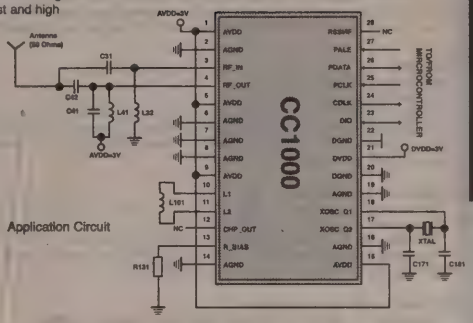
CHIPCON Single-Chip RF Transceivers

CC1000/CC1050 ULTRA-LOW POWER UHF TRANSCEIVER/TRANSMITTER CHIPS

The CC1000 is a true ultra-low-power single-chip RF transceiver for the 315, 433, 868, 915 MHz bands. It has been specifically designed to comply with the most stringent demands of the low power radio market. Based on a pure CMOS technology, this is the first product in the market that offers a unique combination of low cost and high integration, performance and flexibility, thus setting a new standard for short-range, wireless communication.

Features:
- Single-chip RF transceiver
- Programmable frequency: 300-1000MHz
- Very low current consumption: Rx: 7.4mA
- Very few external components required
- FSK modulation spectrum shaping (optional)
- Low supply voltage: 2.1-3.6V
- High receiver sensitivity: -110dBm
- RSSI output
- FSK data rate up to 76.8kBaud
- Programmable output power: -20 to 10dBm
- Crystal temperature drift compensation possible without use of external TCXO
- Programmable frequency in 250Hz steps
- Suitable for frequency hopping protocols
- No external RF switch /IF filter required
- Integrated bit synchronizer
- Single-port antenna connection
- Small 28-pin TSSOP package
- Complies with EN 300220 and FCC CFR 47, part 15

Applications:
- Home automation
- Remote keyless entry
- Automatic meter reading
- Wireless alarm and security systems
- Toys and PDAs
- Audio/voice
- 315/433/868/915 MHz SRD band systems



Application Circuit

CC1000/CC1050 Chips

For quantities of 2000 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon Part No.	Description	Price Each			
			1	250	500	1000
839-CC1000R	CC1000-RTB1	28P TSSOP Transceiver (pkgd. in tubes)	4.23	4.10	3.98	3.80
839-CC1050	CC1050-STB1	24P TSSOP Transmitter (pkgd. in tubes)	1.84	1.78	1.73	1.63

CC1100/CC1050 Development Tools

MOUSER STOCK NO.	Chipcon Part No.	Frequency (MHz)	Description	Price Each
839-1000DK-433	CC1000DK-433MHz	433	Full Development Kit - two programmable radio modules, antennas, PC cables, connectors, documentation, 5 pieces of CC1000 RF Transceiver, 2 pieces of CC1000PP Plug & Play module	460.00
839-1000DK-868	CC1000DK-868/915MHz	868/915	Full Development Kit - two programmable radio modules, antennas, PC cables, connectors, documentation, 5 pieces of CC1000 RF Transceiver, 2 pieces of CC1000PP Plug & Play module	460.00
839-1000PPK-433	CC1000PPK-433MHz	433	Plug & Play Modules - 2 pieces of CC1000PP	120.00
839-1000PPK-868	CC1000PPK-868/915MHz	868/915	Plug & Play Modules - 2 pieces of CC1000PP	120.00

CC1020/CC1021/CC1070 NARROWBAND UHF RF TRANSCEIVER/TRANSMITTER CHIPS

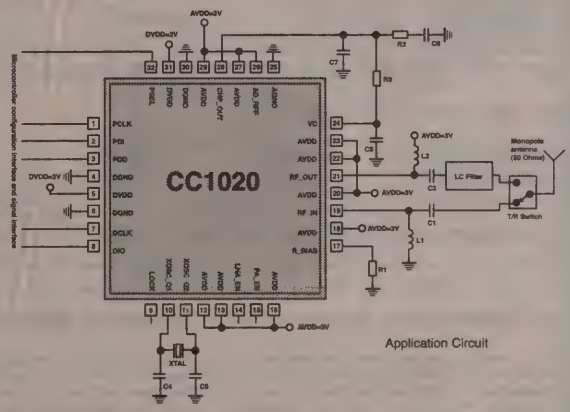
CC1020 Transceiver:
The industry's first single-chip FSK/ASK CMOS RF transceiver for narrowband applications in the 402-470 & 804-940 MHz range.

CC1021 Transceiver:
A multichannel FSK/ASK CMOS RF transceiver for narrowband applications, with channel spacings of 50kHz or higher, in the 402-470 & 804-940 MHz range.

CC1020/CC1021 Key Features:
- Frequency range: 402-470-MHz & 804-940 MHz
- Low current consumption: RX: 17.3mA
- Low supply voltage: 2.3-3.6V
- Very few external components required
- Small size: QFN 32 package
- Single port antenna connection
- Data rate up to 153.6kBaud
- ASK, FSK, and GSFK data modulation
- Complies with EN 300 220, FCC CFR47 part 15, and ARIB STD T-67

CC1070 Transmitter Only:
A true single-chip, low-power, low-cost CMOS FSK/GFSK/ASK/00K RF Transmitter for narrowband and multi-channel applications.

CC1070 Key Features:
- Frequency ranges: 402-470MHz & 804-940MHz
- Low supply voltage: 2.1-3.6V
- Very low current consumption
- Requires very few external components
- Data rate up to 153.6 kbps FSK/GFSK/ASK/OOK modulation formats
- Fully on-chip VCO
- Programmable frequency in steps less than 300Hz makes crystal temperature drift compensation possible without TCXO
- Single port antenna connection
- Complies with EN 300 220, FCC CFR 47 part 15, and ARIB STD-T67



Application Circuit

CC1020/CC1021/CC1070 Chips

For quantities of 2000 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon Part No.	Description	Price Each			
			1	250	500	1000
839-CC1020R	CC1020-RTB1	32P QFN Transceiver (packaged in tubes)	4.93	4.78	4.64	4.43
839-CC1021R	CC1021-RTB1	32P QFN Transceiver (packaged in tubes)	4.23	4.10	3.98	3.80
839-CC1070R	CC1070-RTY1	20P QFN Transmitter Only (pkgd. in trays)	2.14	2.08	2.02	1.93

CC1020/CC1021/CC1070 Development Tools

MOUSER STOCK NO.	Chipcon Part No.	Frequency (MHz)	Description	Price Each
839-1020/70DK-433	CC1020/CC1070DK-433MHz	433	Full Development Kit - two CC1020 evaluation boards, two CC1020 evaluation modules, one CC1070 evaluation module, 5 sample pieces of CC1020, 5 sample pieces of CC1070, antennas and adapters	510.00
839-1020/70DK-868	CC1020/CC1070DK-868/915MHz	868/915	Full Development Kit - two CC1020 evaluation boards, two CC1020 evaluation modules, one CC1070 evaluation module, 5 sample pieces of CC1020, 5 sample pieces of CC1070, antennas and adapters	510.00
839-1020EMXK-433	CC1020EMXK-433MHz	433	Evaluation Module	140.00
839-1020EMXK-868	CC1020EMXK-868MHz	868/915	Evaluation Module	140.00

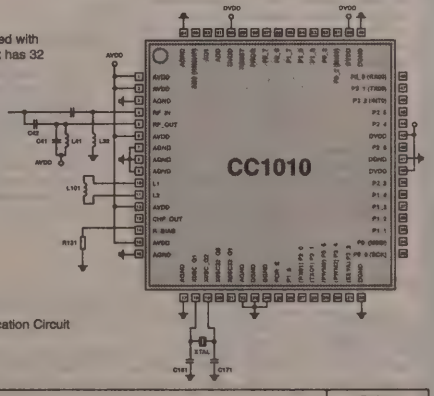
CC1010 UHF RF TRANSCEIVER WITH ONBOARD 8051 MICROCONTROLLER CHIP

The industry's first truly complete RF System-on-Chip solution! On a single die, the award winning 300-1000MHz CMOS CC1000 RF Transceiver has been integrated with an industry standard 8051 microcontroller core. The CC1010 integrates a very low-power 300-1000MHz RF Transceiver and a 8051-Compatible Microcontroller that has 32 kB in-system programmable Flash, hardware DES encryption/decryption and a three channel 10-bit ADC. This means only a few external passive components are necessary to make a powerful embedded system with wireless communication capabilities, sensor interfacing possibilities, and a lot of processing power.

CC1010 Key Features:
- Programmable frequency range: 300-1000MHz
- High sensitivity: typically -107dBm @ 1.2, kbit/s
- Programmable output power: -20 to 10dBm
- Very low current consumption: RX: 9.1mA
- No external RF switch or IF filter required
- Fast PLL settling allows frequency hopping protocols
- FSK modulation with a data rate of up to 76.8kbit/s
- RSSI output which can be sampled by on-chip ADC
- Complies with EN 300 220 and FCC CFR47 part 15

8051-Compatible Microcontroller:
- High performance, 24MHz, low power
- Optimized 8051-core typically gives 2.5x the performance of a standard 8051
- Dual data pointers
- Idle and sleep modes
- In-circuit interactive debugging is supported for the Keil™ iVision IDE through a simple serial interface

Data & Non-volatile program memory:
- 32kB of non-volatile Flash memory in-system programmable through a simple SPI interface or by the 8051 core
- Typical Flash endurance: 20,000 write/erase cycles
- Programmable read & write lock of portions of Flash memory for software security
- 2048 + 128 Byte of internal SRAM



Application Circuit

CC1010 Chips

For quantities of 2000 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon Part No.	Description	Price Each			
			1	250	500	1000
839-CC1010	CC1010-STY1	64P TQFP Transceiver (pkgd. in tubes)	7.11	6.90	6.69	6.52

CC1010 Development Tools

MOUSER STOCK NO.	Chipcon Part No.	Frequency (MHz)	Description	Price Each
839-1010DK-433	CC1010DK-433MHz	433	Full Development Kit - one CC1010EB evaluation board, two CC1010 evaluation modules, Keil uVision2 IDE (eval. version), 5 pieces of CC1010, cables, adapters and antennas	575.00
839-1010DK-868	CC1010DK-868/915MHz	868/915	Full Development Kit - one CC1010EB evaluation board, two CC1010 evaluation modules, Keil uVision2 IDE (eval. version), 5 pieces of CC1010, cables, adapters and antennas	575.00
839-1010EMK-433	CC1010EMK-433MHz	433	Evaluation Module Kit - two CC1010EM evaluation modules and two antennas	280.00
839-1010EMK-868	CC1010EMK-868/915MHz	868/915	Evaluation Module Kit - two CC1010EM evaluation modules and two antennas	280.00

CHIPCON Single-Chip RF Transceivers

Chipcon

CC1100/CC1150 LOW-COST UHF TRANSCEIVER/TRANSMITTER CHIPS

The CC1100 multi-channel RF transceiver is the world's lowest total system cost radio intended for use in the 315, 433, 868, and 915 MHz frequency bands. With its very low power consumption and excellent radio performance, the CC1100 is a perfect solution for applications in for instance home and building automation, wireless alarm and security systems, and consumer electronics, to mention a few. The CC1100 transceiver is based on Chipcon's latest product platform, the SmartRF®04 Technology, which is built upon an advanced 0.18µm CMOS technology facilitating superior RF performance in combination with high-density and low-power integration of digital modules.

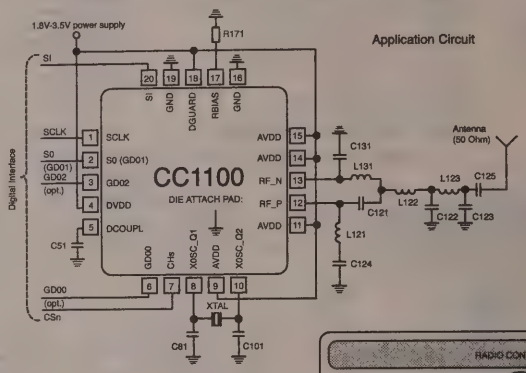
Features:
- Market's lowest system cost.
- Very few external components required.
- Very small footprint. The CC1100 comes in a 4x4mm, 20-pin QLP package.
- Reference design with two-layer PCB and all components mounted on the same side.
- CC1100's many powerful digital features make it easy to build a high-performance RF system using an inexpensive microcontroller.

Excellent Radio Performance:
- High sensitivity: -110dBm @ 1.2kbps
- Programmable data rate from 1.2-500kbps.
- Robust solution with excellent selectivity and blocking performance.
- Programmable output power up to +10dBm for all supported frequency bands.
- Ideal for multichannel operation: 50-500kHz channels

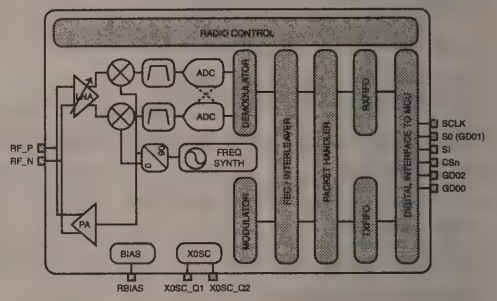
Very low power consumption:
- RX: 15.6mA, TX: 28.8mA @ +10dBm output power, Powerdown: 400mA.
- Burst mode data transmission with high over-the-air data rate reduces current consumption.
- Automatic RX polling using Wake-on-Radio: 1.8µA.

Applications:
- Home and building automation
- Automatic meter reading (AMR)
- Wireless alarm and security systems
- Industrial monitoring and control
- Wireless sensor networks
- Consumer electronics
- Ultra low-power wireless applications.
- Operating in the 315, 433, 868, 915 MHz ISM/SRD bands

Application Circuit



Block Diagram



CC1100/CC1150 Chips

For quantities of 2000 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon Part No.	Description	Price Each 1	250	500	1000
839-CC1100	CC1100-RTY1	20P QLP Transceiver (packaged in tray)	2.18	2.05	1.92	1.83
839-CC1150	CC1150-RTY1	16P QLP Transmitter Only (pkgd. in tray)	1.35	1.25	1.15	1.10

CC1100/CC1150 Development Tools

MOUSER STOCK NO.	Chipcon Part No.	Frequency (MHz)	Description	Price Each
839-1100/50DK-433	CC1100_CC1150DK-433MHz	433	Full Development Kit - two SmartRF®04 evaluation boards, two CC1100EM evaluation modules, one CC1150EM evaluation module, antennas and cables	510.00
839-1100/50DK-868	CC1100_CC1150DK-868MHz	868/915	Full Development Kit - two SmartRF®04 evaluation boards, two CC1100EM evaluation modules, one CC1150EM evaluation module, antennas and cables	510.00

CC2500/CC2550 2.4 GHZ LOW COST RF TRANSCEIVER/TRANSMITTER CHIPS

The CC2500 is a highly integrated multichannel RF transceiver designed for low-power wireless applications in the 2.4GHz Industrial Scientific Medical (ISM) band. The CC2500 is part of Chipcon's SmartRF04 Technology platform based on an advanced 0.18µm CMOS technology facilitating superior RF performance in combination with high-density and low-power integration of digital modules. The CC2500 can be used in a wide range of applications, such as wireless game controllers, wireless keyboard/mouse, consumer electronics, wireless audio, and sports, and leisure equipment.

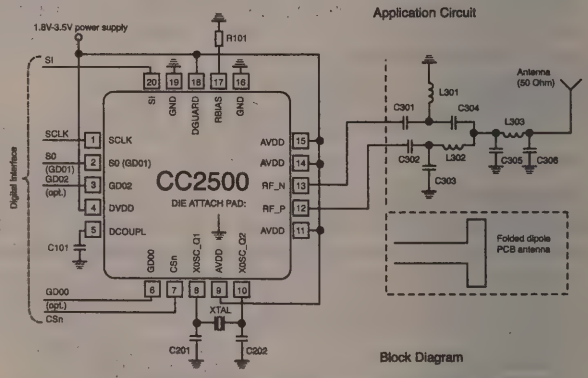
Key Features:
- Market's lowest system cost.
- Very low unit price per chip.
- Very few external components required; all are low cost type.
- Reference design with two layer PCB with all components mounted on the same side.
- Very small footprint. The CC2500 comes in a 4x4mm, 20-pin QFP package.
- CC2500's many powerful digital features allow building a high-performance. RF system using an inexpensive microcontroller.

Very Low Power Consumption:
- RX: 15.6mA, TX: 21.6mA @ 0dBm output power
- Burst mode data transmission with high over-the-air data rate reduces current consumption.

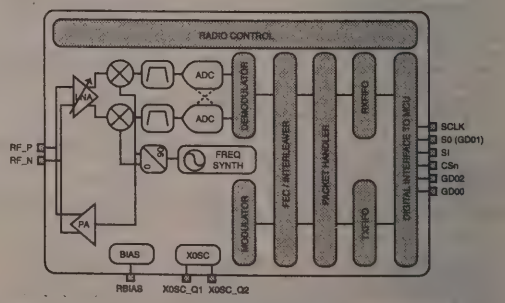
Excellent Radio Performance:
- High sensitivity (PER: -98dBm @ 10kbps, PER: -88dBm @ 250kbps)
- Programmable data rate from 1.2-500kbps.
- Robust solution with excellent selectivity and blocking performance.
- Programmable output power up to 0dBm.
- Ideal for multichannel operation (50-500kHz channels).
- Full packet handling including preamble generation, sync word insertion/detection, address check, flexible packet length, and automatic CRC.
- Programmable carrier sense indicator and digital RSSI output enables adaptive channel selection with increased robustness of the communication link.

Applications:
- Wireless game controllers
- Wireless keyboard/consumer electronics
- Wireless audio
- Sports and leisure equipment

Application Circuit



Block Diagram



CC2500/CC2550 Chips

For quantities of 2000 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon Part No.	Description	Price Each 1	250	500	1000
839-CC2500	CC2500-RTY1	2.4GHz Transceiver Chip (pkgd. in tray)	1.93	1.82	1.76	1.73
839-CC2550	CC2550-RTY1	2.4GHz Transmitter Only Chip (pkg. in tray)	1.35	1.25	1.15	1.10

CC2500/2550 Development Tools

MOUSER STOCK NO.	Chipcon Part No.	Description	Price Each
839-2500/50DK	CC2500/CC2550DK	Full Development Kit - two SmartRF® 04 evaluation boards, two CC2500EM eval. modules, one CC2550EM eval. module, antennas, & cables	510.00
839-2500EMK	CC2500EMK	Evaluation Module Kit - two CC2500EM evaluation modules and two antennas	140.00

CHIPCON Single-Chip RF Transceivers

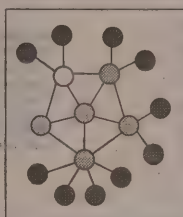
Chipcon

CC2420 2.4 GHZ RF TRANSCEIVER CHIP FOR IEEE 802.15.4 AND ZIGBEE™

The CC2420 is a low-cost transceiver designed specifically for low-power, low-voltage RF transceiver applications in the 2.4GHz unlicensed ISM band. It is the first commercially available RF compliant with the IEEE 802.15.4 standard and the first RF-IC that can be qualified for use in 2.4GHz ZigBee™ products. For the CC2420 RF transceiver, Chipcon provides IEEE/802.15.4 MAC software free of charge.

WHAT IS ZIGBEE?

The ZigBee standard has been developed by the ZigBee Alliance, an association of companies working together, to enable reliable, cost-effective, low-power, wirelessly networked monitoring and control products based on an open global standard. The goal of the ZigBee Alliance is to provide the consumer with ultimate flexibility, mobility, and ease of use by building wireless intelligence and capabilities into every day devices. ZigBee technology will be embedded in a wide range of products and applications across consumer, commercial, industrial, and government markets worldwide. For the first time, companies will have a standards-based wireless platform optimized for the unique needs of remote monitoring and control applications, including simplicity, reliability, low-cost, and low-power. The ZigBee communication standard is essential for the growth of wireless home and building automation applications where various end products need to communicate with each other.



ZIGBEE MESH NETWORKING

The PHY and MAC layers are defined by IEEE 802.15.4. ZigBee enables reliable and secure mesh, star and cluster-tree network topologies with interoperable application profiles.

Mesh networks allow for high levels of reliability and scalability by providing routes through the network.

- PAN COORDINATOR (Full Function Device)
- COORDINATOR (Full Function Device)
- DEVICE (Reduced or Full Function Device)

WHY ZIGBEE?

Other short-range standards, such as Bluetooth and Wi-Fi, are not designed for low power monitoring and control applications. With ZigBee, however, the case is different. ZigBee is the only standard that specifically addresses the typical requirements for wireless control and monitoring applications, such as:

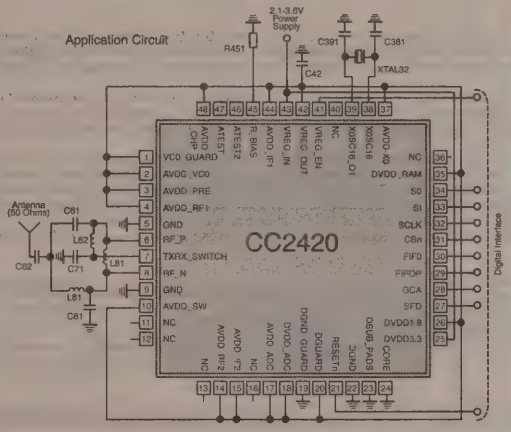
- Large number of nodes/sensors
- Very low system/node costs
- Operation for years on inexpensive batteries
- Reliable and secure links between network nodes
- Easy deployment and configuration
- Global solutions

Applications:

- Home and building automation
- Industrial monitoring and control
- Sensor networks
- Automotive networks
- Intelligent toys
- Consumer electronics

CC2420 Key Features:

- True single-chip 2.4 GHz IEEE 802.15.4/ZigBee(tm) RF transceiver w/MAC support
- Suitable for FFDs (Full Function Devices) & RFDs (Reduced Function Devices) defined by IEEE 802.15.4 & ZigBeetm
- DSSS modem w/ 2 Mchips/s & 250kbps effective data rate
- Low current consumption: RX: 19.7mA, TX: 17.4mA
- Low supply voltage with internal voltage regulator: 2.1V -3.6V
- No external RF switch/filter needed
- Programmable output power
- I/Q low-IF receiver
- I/Q direct up-conversion transmitter
- Few external components
- Packet handling with 128 byte (RX) +128 byte (TX) data buffering
- Digital RSSI/LQI support
- Hardware MAC encryption and authentication (AES-128)
- Battery monitor
- QLP-48 package (7x7 mm)
- Complies with EN 300 440, FCC CFR 47 part 15, and ARIB STD-T66
- Powerful, flexible development tools available
- Easy-to-use software for performance evaluation



CC2420 Chip

For quantities of 2000 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon Part No.	Description	Price Each			
			1	250	500	1000
839-CC2420R	CC2420-RTB1	48P QLP Transceiver (packaged in tubes)	3.98	3.86	3.74	3.60

CC2420 Development Tools for 802.15.4 and ZigBee™

MOUSER STOCK NO.	Chipcon Part No.	Description	Price Each
839-2420DK	CC2420DK	Full Development Kit - two CC2420 evaluation boards, two CC2420 evaluation modules, 5 sample pieces of CC2420, antennas and adapters	575.00
839-2420DBK	CC2420DBK	Demonstration Board Kit - complement to the development kit and includes two CC2420DB demonstration boards, one CC2420SK sample kit and 2 RS-232 cables	510.00
839-2420EMK	CC2420EMK	Evaluation Module Kit - two CC2420EM evaluation modules and two antennas	140.00
839-2420-ZIGBEE-DK	CC2420 ZIGBEE DK	Full Development Kit - five CC2420 DB and a CC2420 EB that together, with a CC2420EM, can utilize the capability of running Chipcon's packet sniffer with the new ZigBee packet parser addition. Z-Stack object code, tools, and documentation will be provided as an End Customer distribution package, available for download from the Chipcon ZigBee developer site	5000.00

CC2400 2.4 GHZ RF TRANSCEIVER CHIP

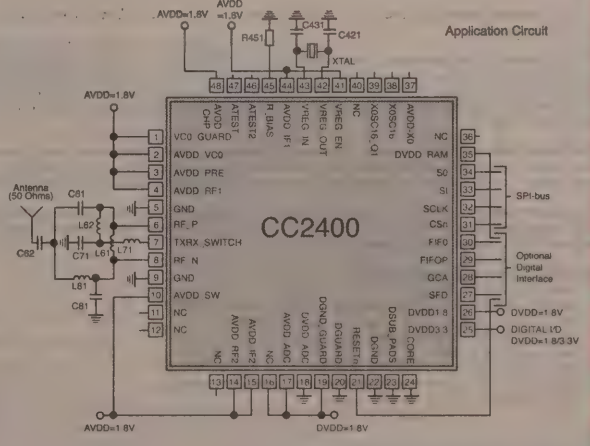
The CC2400 is a true low-cost, low-power single-chip 2.4 GHz ISM band transceiver with extensive hardware features. When cost, size, and world-wide compliance are major design criteria, the CC2400 provides the optimum solution for an effective and reliable two-way wireless digital communication link.

Key Features:

- True single-chip 2400 - 2483.5 MHz RF Transceiver
- GFSK and FSK modulation
- Very low current consumption (RX: 24 mA)
- High sensitivity: -85dBm @ 1Mbps, BER = 10-3
- Programmable over-the-air data rate: 10kbps, 250kbps, or 1Mbps
- Low chip core supply voltage: 1.6-2.0V
- Flexible I/O supply voltage: 1.6-3.6V
- Requires very few external components
- Programmable output power
- Programmable baseband modem
- Digital RSSI carrier sense output
- Agile frequency synthesizer
- Packet handling hardware support
  - Preamble generator with programmable length
  - Programmable synchronization word insertion/detection
  - CRC-16 computation over the data field
  - 8B/10B line coding option
- Data buffering: 32 byte FIFO
- Easy-to-use software for generating the CC2400 configuration data
- Small size (QFN-48 package) 7x7mm
- Complies with EN 300 440, FCC CFR47 part 15, & ARIB STD-T66

Applications :

- Game controllers
- Wireless headsets
- Sports and leisure equipment
- Wireless mouse and keyboards
- Remote controls
- Audio/voice applications
- Joysticks



CC2400 Chip

For quantities of 2000 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon Part No.	Description	Price Each			
			1	250	500	1000
839-CC2400R	CC2400-RTB1	48P QFN Transceiver (packaged in tubes)	3.98	3.86	3.74	3.60

CC2400 Development Tools

MOUSER STOCK NO.	Chipcon Part No.	Description	Price Each
839-2400DK	CC2400DK	Full Development Kit - two CC2400 evaluation boards, two CC2400 evaluation modules, 5 sample pieces of CC2400, antennas and adapters	575.00
839-2400DBK	CC2400DBK	Demonstration Board Kit - a complement to the development kit. Includes two CC2400DB demonstration boards, one CC2400SK sample kit & 2 cables	410.00
839-2400EMK	CC2400EMK	Evaluation Module Kit - two CC2400EM evaluation modules and two antennas	140.00

DLP DESIGN IEEE 802.15.4 / ZigBee™ Modules

The DLP-RF1 and DLP-RF2 OEM Modules are short-range, low-power, 2.4-GHz, unlicensed worldwide ISM band transceivers designed around the IEEE 802.15.4 Wireless Standard. Both support point-to-point and star network configuration using preprogrammed firmware.

The RF1 and RF2 are ready for either direct design into finished product or as a quick wire replacement within a home or office application. The units come preprogrammed with DLP Design's Serial Interface Packet Processor (SIPP™) firmware based upon Freescale's SMAC RF IC control firmware. If the SIPP™ firmware does not meet the requirements of the project at hand, then the BDM interface is available for reprogramming the microcontroller with user firmware.

Application Areas:
- Remote control and wire replacement in industrial systems
- Wireless sensor networks
- Home automation and control
- Factory automation
- Heating and cooling systems
- Inventory management and RFID tagging
- Human interface devices
- Remote entertainment control
- Wireless toys

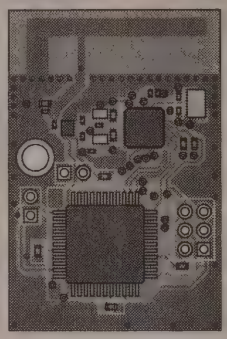
Features:
- IEEE 802.15.4 Compliant & ZigBee ready
- Freescale MC13192 RF Transceiver IC
- Freescale MC9S08GT60 Microcontroller
- Carrier-sense, multiple-access technology
- Range: >700 feet, outdoor line of sight
- Royalty-free USB drivers
- USB interface programming as easy as RS232C
- Agency approvals in place for immediate deployment in the US, Canada, and Europe
- 16 Channels (2.405GHz to 2.480GHz)
- Microcontroller pre-programmed with SIPP firmware
- <35 microamp low-power mode
- Antenna Integral to PCB Design–No External Antenna to Purchase and Mount SIPP™ firmware

DLP-RF2 - 2.4 GHZ OEM RF TRANSCEIVER MODULE

The DLP-RF2 combines a Freescale™ MC13192 2.4GHz Direct-Sequence, Spread-Spectrum RF Transceiver IC and Freescale MC9S08GT60 microcontroller to form an IEEE 802.15.4 compliant, ZigBee™ ready, short-range transceiver module. The DLP-RF2 connects to user electronics via a standard, 20-pin male header.

The MC9S08GT60 microcontroller is preprogrammed with DLP Design's Serial Interface Packet Processor (SIPP™ firmware) for accessing the transceiver functions via simple serial calls. Interface to an external serial host microcontroller/DSP/FPGA, etc. is accomplished via a simple 2-wire (RX, TX, and ground) interface.

The SIPP firmware in the DLP-RF2 resides at the application layer and is based on Freescale's SMAC. The SIPP firmware provides basic access to DLP-RF2 functionality: Packet receive and transmit, transceiver settings, EEPROM access, etc. The DLP-RF2 can also operate without a serial host controller. Basic digital I/O, A/D conversions, temperature measurement, and latching/non-latching relay control are available via the SIPP firmware. The MC9S08GT60 can be reprogrammed (if desired) with user-supplied firmware via a 6-pin BDM header that is compatible with the P&E USB-ML-12 and device programmers (purchased separately).



DLP-RF2 (TTL Serial Interface)

DLP-RF2

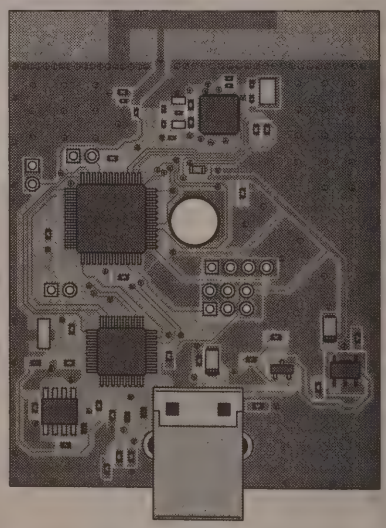
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each			
		1	10	100	250
626-DLP-RF2-Z	DLP-RF2-Z	35.00	30.00	27.00	25.00

DLP-RF1 - 2.4 GHZ OEM RF USB TRANSCEIVER MODULE WITH USB INTERFACE

The DLP-RF1 combines a USB interface, Freescale™ MC13192 2.4GHz Direct-Sequence Spread Spectrum RF Transceiver IC and Freescale MC9S08GT60 microcontroller to form an IEEE 802.15.4 compliant, ZigBee™ ready, short-range transceiver module.

The MC9S08GT60 microcontroller is preprogrammed with DLP Design's Serial Interface Packet Processor (SIPP™ firmware) for accessing the transceiver functions via simple serial calls. The application programming required for accessing the module via USB is functionally identical to that used to access the RS232C ports on a standard Windows/Linux/Mac PC via the use of royalty-free Virtual COM Port (VCP) drivers. (No USB driver development is required for most applications.) The SIPP firmware in the DLP-RF1 resides at the application layer and is based on Freescale's SMAC. The SIPP firmware provides basic access to DLP-RF1 functionality: packet receive and transmit, transceiver settings, EEPROM access, etc.



DLP-RF1 (Host Interface)

DLP-RF2 Development Tools

A 20-pin interface header is provided for each of these development tools to allow quick connection to the DLP-RF2 transceiver.

The **DLP-RF2-SENS** provides example designs for a temperature/humidity sensor, door switch input, and a system for measuring battery power. This developer's tool demonstrates the low-power mode of operation in which the module remains in Sleep Mode drawing less than 40 microamps of current from two AAA batteries until either the door switch input detects a change or the timer wakes up the transceiver to check in with the system controller.

The **DLP-RF2-RELAY** also demonstrates the low-power mode of operation while providing a battery power measurement system and door switch input together with two latching relays. While in Sleep Mode, the total system current drawn from two AA batteries is less than 40 microamps regardless of the state of the relays.

The **DLP-RF2-PROTO** is intended to enable the designer to quickly progress in the development of hardware and software associated with wireless networking projects. This board offers a number of flexible tools to accommodate numerous modes of operation:

DLP-RF2 Proto Board Features:
- BDM Programming Interface
- Easy-to-Use USB Interface for Modeling Serial Host Firmware on a PC
- RS232C (DB9) Interface for Connection to a Legacy Peripheral
- Buffered LED Indication of 8 Selected Digital I/O Lines
- Low-Power Mode Jumper
- Prototyping Breadboard
- Three Power Sources: USB Port, DC Jack (4-15VDC), or 9-Volt Battery Clips
- A/D and Voltage Reference Setups

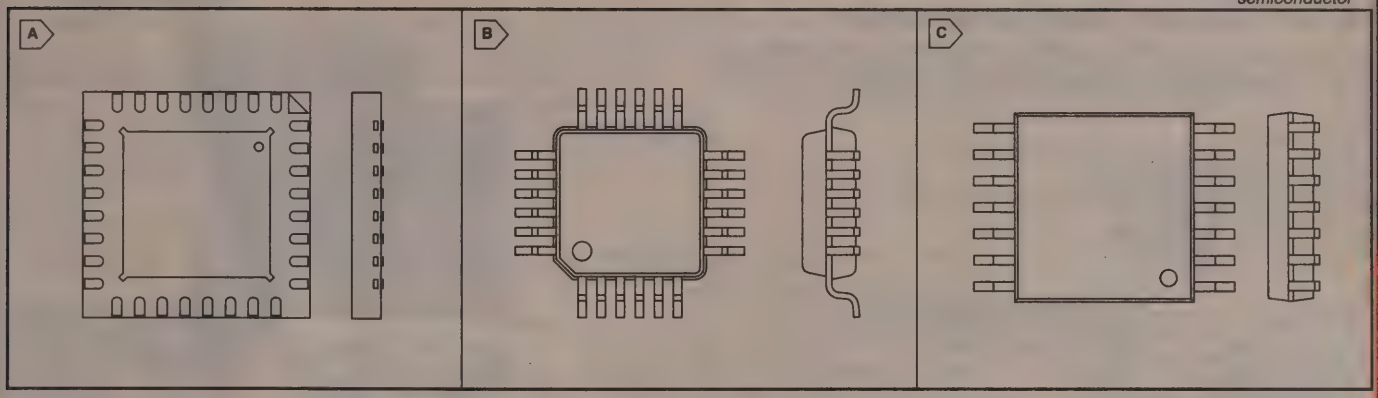
DLP-RF1 And Development Tools

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each		
			1	50	100
626-DLP-RF1-Z	DLP-RF1-Z	DLP-RF1-Z USB Transceiver Module for Computer Control Functions	62.95	56.70	55.08
626-DLP-RF2-SENS	DLP-RF2-SENS	Temperature and Humidity Sensor Board for RF2 Module	59.95	58.00	56.26
626-DLP-RF2-RELAY	DLP-RF2-RELAY	Latching Relay Board for RF2 Module	49.95	48.20	46.75
626-DLP-RF2-PROTO	DLP-RF2-PROTO	Proto Development Board for RF2 Module Applications	99.95	95.50	90.70

FREESCALE ZigBee™ Wireless Chips and Kits

freescale™ semiconductor



WIRELESS IC'S

Transceivers

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Supply Voltage (V)	Isupply (mA)		(uA) Isupply	Frequency Band	Communication Protocall	Price Each		
					TX	RX				1	25	100
841-MC13192FC	MC13192FC	A	QFN-32	3.4	.30	.37	500	2.4 GHz	IEEE @ 802.15.4	6.00	5.25	4.50
841-MC13191FC	MC13191FC	A	QFN-32	3.4	.30	.37	500	2.4 GHz	Proprietary	6.48	4.53	3.89
841-MC13193FC	MC13194FC	A	QFN-32	3.4	.30	.37	500	2.4 GHz	ZigBee™	7.86	5.60	5.10

Transmitters and Receivers

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Description	Package	Supply Voltage (V)	Data Rate (kBd)	Frequency Band	Price Each		
								1	25	100
841-MC33594FTA	MC33594FTA	B	RF Receiver	LQFP-24	5	1-11	315, 434 MHz	5.75	4.03	3.45
841-MC33591FTA	MC33591FTA	B	RF Receiver	LQFP-24	5	1-11	315, 434 MHz	5.75	4.03	3.45
841-MC33493DTB	MC33493DTB	C	RF Transmitter	TSSOP-14	3.6	1-11	315, 434, 868 MHz	2.25	1.58	1.35

MC13192 DEVELOPER'S STARTER KIT

Freescale Semiconductor's MC13191/92 Developer's Starter Kit is a cost-effective, reusable development kit used to implement wireless network designs compatible with the IEEE® 802.15.4 standard. The kit contains all the hardware, software and documentation necessary to create proprietary and standards-based peer-to-peer and star networks.

MC13192DSK Features:

- Two 2.4 GHz wireless nodes compatible with the IEEE 802.15.4 standard
  - MC13192 2.4 GHz RF data modem
  - MC9S08GT60 low-voltage, low-power 8-bit MCU for baseband operations
    - Integrated sensors
      - MMA6261Q 1.5g X-Y-axis accelerometer
      - MMA1260D 1.5g Z-axis accelerometer
    - Printed transmit-and-receive antennae
    - Onboard expansion capabilities for external application-specific development activities
    - Onboard BDM port for MCU Flash reprogramming and in-circuit hardware debugging
    - RS-232 port for monitoring and Flash programming
    - LEDs and switches for demonstration, monitoring and control
    - Connections for nine-volt battery or external power supply
- Hardware supports Freescale's IEEE 802.15.4 MAC and example SMAC software
- Preprogrammed accelerometer demonstration and additional downloadable sample applications
- Metrowerks' CodeWarrior Development Studio for HCS08 special edition

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-MC13192DSK	MC13192DSK-A00	MC13192 Developer's Starter Kit	199.00
841-MC13192DSK-BDM	MC13192DSK-BDM-A00	MC13192 Developer's Starter Kit with BDM	299.00

MC13193 DEVELOPER'S KIT

Freescale Semiconductor's MC13193 Developer's Kit is a cost-effective, reusable development kit used to implement wireless network designs compatible with the IEEE® 802.15.4 standard. The kit contains all the hardware, software and documentation necessary to create proprietary and standards-based peer-to-peer and star networks.

MC13193EVB Features:

- Affordable demonstration system
- SMAC and IEEE 802.15.4 network development and ZigBee Z-Stack
- 2 Evaluation Board (EVB)
  - Based on Freescale's MC13192 and MC9S08GT60 MCU
  - Optimized antenna implementation using single printed-F antenna
  - Optional LNA to increase sensitivity
  - SMA connector for RF measurement
  - LEDs and switches for demonstration monitoring and control
  - Onboard Background Debug Module port for MCU flash reprogramming and in-circuit hardware debugging
  - RS-232 and USB port for monitoring and Flash programming
  - Range approximately 600 line-of-sight
- Power Adapters, Batteries and Cables
- USB Multilink BDM Programmer/Debugger (13193EVB-BDM-A00 only)
- Includes Metrowerks CodeWarrior™ Development Studio for HCS08 Special Edition
- SMAC Source Code and Sample Apps
- IEEE 802.15.4 Object Code and Test Tools
- ZigBee Z-Stack

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-MC13193EVB	MC13193EVB-A00	MC13193 Developer's Starter Kit	499.00
841-MC13193EVB-BDM	MC13193EVB-BDM-A00	MC13193 Developer's Starter Kit with BDM	549.00

MC13192 RF DAUGHTER CARD

Freescale Semiconductor offers a comprehensive, end-to-end platform solution enabled by ZigBee™ technology, beginning with the MC13192 RF data modem. The MC13192 RF modem daughter card is a low-cost development board that provides a simple interface to Freescale's MC13192 transceiver.

MC13192RFC Features:

- Compliant with the IEEE 802.15.4 standard and ZigBee technology-ready
- Operates in the 2.4 GHz frequency band
- Comprehensive transceiver data modem with fully packetized data out
- Low number of external components. Includes on-chip low-noise amplifier, 1.0 mW power amplifier, voltage controlled oscillator, full spread-spectrum encoding and decoding compatible with the IEEE 802.15.4 standard
- Engineered to support 250 Kbps O-QPSK data in 2.0 MHz channels, per the IEEE 802.15.4 specification
- Sixteen dynamically selectable channels
- Low power consumption
- Multiple power-down modes enabling standard alkaline battery lifetimes from months to years
- Power supply range: 2.0V to 3.4V operating voltage with on-chip regulator
- Data and control interface via standard serial peripheral interface (SPI)
- Programmable clock output that can be used by MCU
- Extended temperature operation range: -40°C to +85°C
- 5 mm x 5 mm QFN-32 Pb-free package ZigBee Technology

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-MC13192RFC	MC13192RFC-A00	MC13192RFC RF Daughter Card	149.00

MC13193 EVALUATION KIT

The 13193-EVK is Freescale Semiconductor's latest addition of hardware tools for the ZigBee™-compliant platform. The 13193-EVK builds on the success of the 13192 Developer's Starter Kit (13192DSK-A00), by adding full ZigBee capabilities for demonstration and development. This scalable solution provides wireless network functionality from simple proprietary applications through robust ZigBee applications. The kits contains all the necessary hardware and software to demonstrate and develop solutions based on Freescale's MC13191 and Simple MAC software for proprietary applications, the MC13192 for IEEE® 802.15.4 compliant applications and the MC13193 for ZigBee-compliant applications. Users can demonstrate and develop wireless solutions that support simple point-to-point, star and complex mesh networks.

MC13193EVK Features:

- Five 2.4GHz wireless nodes based on the Freescale ZigBee-compliant platform
- 802.15.4 packet sniffer
- Provides reference designs from IC to antenna
- Onboard BDM port for MCU flash reprogramming and in-circuit hardware debugging
- RS-232 port for monitoring and Flash programming
- LEDs and switches for demonstration, monitoring and control
- Connections for 9-Volt battery or external power supply (included in kit)
- SMAC, 802.15.4 and ZigBee compatible
- Includes Metrowerks CodeWarrior Development Studio for HCS08
- ZigBee protocol stack, sample applications and utilities

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-MC13193EVK	MC13193EVK-A00	MC13193 Evaluation Kit	1499.00

RABBIT Wireless Application Kits

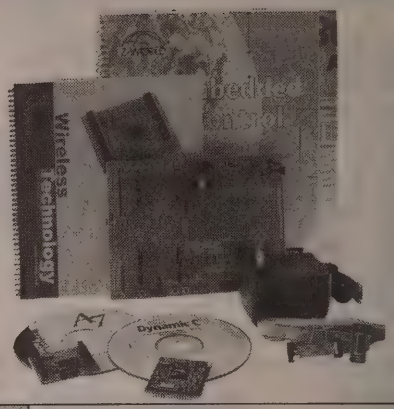
BLUETOOTH RADIO MODULE APPLICATION KIT

Bluetooth Application Kit The Bluetooth Application Kit provides all of the hardware and software necessary to develop a Bluetooth application. The Application Kit includes an RCM3100, EmbeddedBlue eb506-AHC-IN Bluetooth Radio Module, prototyping board, and miscellaneous cables and hardware. The Application Kit also includes the Dynamic C Integrated Development Environment, Bluetooth drivers, libraries, sample programs, and manuals.

Features and Benefits :

- Bluetooth radio modules plug directly into supported RCMs and SBCs
- Simple serial UART communications and control
- Seamless connectivity with any Bluetooth device
- 2.4 GHz FHSS (Frequency Hopping Spread Spectrum) technology ensures high reliability and is robust to interference
- Low current consumption for long battery life
- Complete with sample applications and source code
- Internal Surface-mount antenna.

Features	EmbeddedBlue eb506-ACH-IN
Transmit Power	4dBm (max) class 2 operation
Open Field Range	More than 50 meters (164 feet)
Receiver Sensitivity	-85dBm
Operating Temperature	0° to 70° C
Supply Power	3.3 VDC
Interfaces	3.3 V logic level UART Baud rate: 9.6 k – 230.4 k
Connectors	Two 17-pin 2 mm headers
Antenna	Internal surface mount
Bluetooth Support	Version 1.2 compliant (L2CAP, RFCOMM, SDP, SPP)
Firmware	Upgradeable via PC application



MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
694—101-1040		Bluetooth Application Kit	339.00

WI-FI (802.11B) APPLICATION KIT

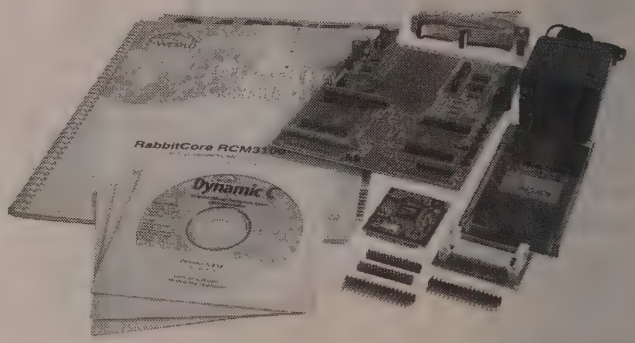
Integrating Wi-Fi (IEEE 802.11b) with a RabbitCore™ Development Kit, embedded system integrators can now enable a wireless embedded system. Wireless connectivity eliminates Ethernet cables allowing for greater flexibility and mobility of wireless embedded Networks.

Z-World's Wi-Fi Applications Kit provides all the tools necessary to sample and design communications from a Rabbit-based device to a WiFi-enabled device (i.e. PC Laptop or any device using a Compact Flash based Wi-Fi card). The libraries and sample programs allow for a Wi-Fi card to send and receive data to/from a RabbitCore module (RCM) over a wireless connection. The RCM can also send/receive email from any PC or device with a compatible Wi-Fi card. The Wi-Fi Applications Kit includes Z-World's Dynamic C software with royalty-free TCP/IP stack.

Features and Benefits :

- Kit developed w/ LinkSys WCF12 Wi-Fi Card
- Other compatible WI-Fi cards are Sandisk, Netgear, SMC, and D-Link
- Seamless connectivity with any Bluetooth device
- 2.4 GHz FHSS (Frequency Hopping Spread Spectrum) technology ensures high reliability and is robust to interference
- Low current consumption for long battery life
- Complete with sample applications and source code
- Internal Surface-mount antenna.

Features	Wi-Fi Application Kit
Microprocessor Core Module	RCM3100 RabbitCore module @ 29.4 MHz
Prototyping Board	Standard RCM3100 Prototyping Board
Serial Ports	RS-232 (2 3-wire or 1 5-wire). Additional CMOS ports available on RCM3100
Protocol	IEEE 802.11b (Wi-Fi) 11Mbps, 2.4 GHz
Compact Flash Connector	Type 1 Compact Flash Adapter: I/O CF based 802.11b Dual 2 x 17, 0.1" pitch socket strip
Software Compiler	Dynamic C with TCP/IP stack



MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
694—101-0911		Wi-Fi (802.11b) Application Kit	599.00
694—101-0997		Wi-Fi add on Kit for RCM3000-3360	199.00
694—101-0998		Wi-Fi add on Kit for RCM3400	199.00
694—101-0999		Wi-Fi add on Kit for RCM3600-3700	199.00
694—101-1000		Wi-Fi add on Kit for PowerCore Flex	199.00

GPRS/GSM APPLICATION KIT

Cell phones are not the only devices that can communicate in a GSM network –a Rabbit-based control device is also on the list. Imagine your machines notifying you when they need servicing change settings from anywhere in the world upload data wirelessly send commands from one machine to another receive vehicle location/conditions via e-mail.

Z-World's GPRS/GSM Application Kit provides all the tools necessary to sample and develop applications that combine a Rabbit-based control device with a GSM/GPRS modem. The libraries and sample programs allow for a device connected to the cellular network to send SMS (text) messages to a RabbitCore module (RCM) that can interpret messages as commands and in turn execute control functions. The RCM can also send/receive GPRS e-mail wirelessly to/from any PC, GSM device, or cell phone. The LCD/keypad module included in the GPRS/GSM Application Kit incorporates a menu system that provides for an easy interface to read or send text messages and e-mail.

Features and Benefits :

- Hardware/Software for wireless RCM communication and control via GPRS/GSM.
- EnforaTM Spider SA-GL Quad Band wireless modem and antenna.
- GUI and Keypad configuration menu system.
- Royalty-free TCP/IP stack in source code.
- Sample programs/libraries for generic modem operation.
- Fully integrated development software: compiler, editor, and debugger for control applications.

Features	GPRS/GSM Application Kit
Microprocessor Core Module	RCM3100 RabbitCore module @29.4MHz
Prototyping Board	Standard RCM3100 Prototyping Board
Serial Ports	6 CMOS-compatible ports available on RCM3100
Display	122 x 32 Keypad/Display Unit with LCD menu system
GSM Modem	Enfora Spider SA-GL Quad Band GSM/GPRS modem
Antenna	1/2 Wave Device R/A Antenna. (1850-1990 MHz)
SIM Card (Sold separately)	Available through wireless service provider or AIRDESK
Software Compiler	Dynamic CTM with TCP/IP stack
Software Libraries	GPRS/SMS modes, Modem-specific Library
Additional Libraries	Dynamic C PPP module, Generic Modem Library
Sample Programs	For SMS and GPRS communications and control. FTP datalogging,TCP/IP, SMTP, POP3, Telnet
Menuing System	For display of SMS and GPRS communications
Power Supplies	12VDC adapter for RCM3100, 5V DC for Enfora Modem

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
694—101-0948		GPRS/GSM Application Kit	649.00

RADIOTRONIX Embedded Wireless Modules

Radiotronix

Radiotronix innovates, manufactures, and markets embedded wireless modules for the burgeoning low-data rate, low-power wireless market space. Radiotronix products are designed to be complete wireless solutions in IC-style packaging that make it fast and easy for any engineer to embed wireless connectivity in any product.

WI232 MODULES - WIRELESS UART TO UART SOLUTION

Features:
- Small Size - .8" x .935 x .08"
- PHY and MAC layer protocol built in
- CSMA medium access control
- Channel quality of service indicator
- 114 dB link budget in DTS mode
- 5 volt tolerant I/O
- Data encryption / encoding for PGP
- 16 bit CRC data checking
- True UART to RF solution
- Range up to 1500 ft. LOS
- Data Rate: 152.34 kbit/sec.

Applications:
Automated Meter Reading, RFID, Home Automation, Wireless Security Systems, Industrial

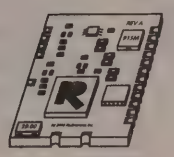
Embedded RF Modules

The WI232DTS module combines a state-of-the art, low power wireless transceiver with a multipoint-to-multipoint protocol controller to form a wireless communication solution, capable of replacing wires in any RS-232/422/485 application. The module is designed to need no special addressing or formatting of data.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Radiotronix Part Number	Description	Price Each 1	10	100
Wi.232DTS Module (902- 928 MHz) - North America					
509-WI232DTS	Wi.232DTS	Transceiver Module - UART interface - Includes microcontroller	33.00	25.00	23.00
509-WIM900X	Wi.M900X	Transceiver Module - UART interface - works with any microcontroller	19.00	14.00	13.00
509-WIM900T	Wi.M900T	Transmitter only Module - UART interface - works with any microcontroller	15.00	11.00	9.50
509-WI232DTS-EVM	Wi.232DTS-EVM	Pinned evaluation module for the Wi.232DTS	53.00	45.00	39.00
Wi.232EUR Module (868- 870 MHz) - Europe					
509-WI232EUR	Wi.232EUR	Transceiver Module - UART interface - Includes microcontroller	33.00	25.00	23.00
509-WI232EUR-EVM	Wi.232EUR-EVM	Pinned evaluation module for the Wi.232EUR	53.00	45.00	39.00

Data

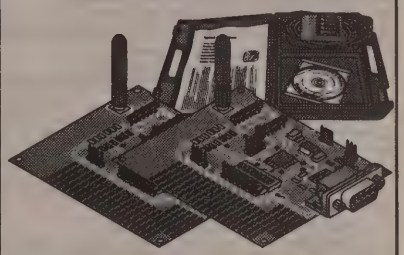


Wi232DTS/EUR Module

Development Kits

The RAD Kit contains 2 RAD boards, 2 Wi232DTS modules, 2 serial port cables, 4 AAA batteries, and a documentation/software CD. The RAD boards are battery powered and can be used as full-duplex, wireless modems and can connect to RS-232 or TTL level UART ports.

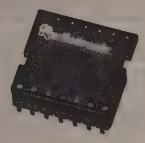
MOUSER STOCK NO.	Radiotronix Part Number	Description	Price Each
509-RK-WI-232DTS	RK-Wi.232DTS	Wi.232DTS Transceiver Module Development Kit	249.00
509-RK-WI232EUR	RK-Wi.232EUR	Wi.232EUR Transceiver Module Development Kit	249.00



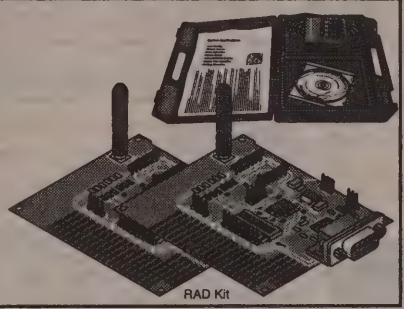
RAD Kit

EWD-900-HDTC MODULE (868/915 MHZ)

Data



EWD-900-HDTC Module



RAD Kit

Applications:
Automatic Meter Reading, Wireless Lighting, Industrial Automation, RFID, Home Automation

Features:
- 32-bit Unique ID
- High Performance - Low Cost
- Low Power Consumption
- Small Size - .7"x.7"x.20"
- Quick Time-to Market
- Data Rate: 76.8 kbit/sec.

EWD-900-HDTC (Half Duplex Data Transceiver) Module
The EWD-900-HDTC is an embedded wireless module for unlicensed operation in the United States and around the world. The EWD-900-HDTC is a fully integrated half duplex wireless FSK data transceiver is suitable for the United States (902-928MHz) or United Kingdom (868MHz). The basic design of the transceiver can be scaled from 300MHz to 1GHz, allowing operation in countries around the world.
. The transceiver contains built-in data encoding and decoding, simplifying the interface and software of the host microcontroller. It can send and receive data using either Manchester encoding or un-encoded from a UART.

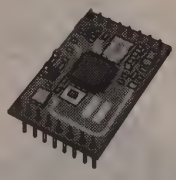
RK-900-HDTC RAD (Rapid Development) Kit
The RAD (Rapid Development) Kit contains 2 RAD boards, 4 EWD-900-HDT modules, 2 serial cables, 2 wall transformers and documentary/software CD. The RAD board can function as a wireless modem for transparent wireless communication between two PC's. It can also operate in evaluation mode to support range testing. Kit comes programmed with firmware that allows the boards to be operated in two different modes: Program Mode and Wireless Link Mode.

For quantities of 25 and up, call for quote.

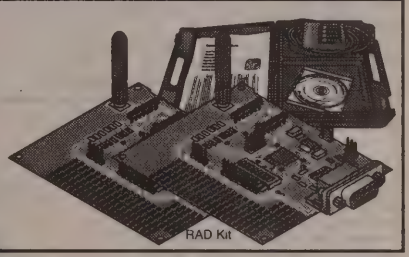
MOUSER STOCK NO.	Radiotronix Part Number	Description	Price Each
509-EWD-900-HDTC	EWD-900-HDTC	128 Chan Transceiver RK-900-HDTC	36.90
509-RK-900-HDTC	RK-900-HDTC	RAD Rapid Development Kit	349.00

EWM-900-FDTC MODULE (902-928 MHZ)

Audio/Data



EWM-900-FDTC Module



RAD Kit

EWM-900-FDTC (Full Duplex Audio/Data Transceiver) Modules
The EWM-900-FDTC is the first modular RF product in the world to completely encapsulate a 900 MHz full-duplex audio/data transceiver into a single hybrid component. These revolutionary embedded wireless modules™ allow any engineer to design wireless products. The only external RF component required is an antenna. No production tuning adjustments are required. No RF experience or special test equipment is needed.

EWM-900-FDTC RAD (Rapid Development) Kit
The RAD kit contains 2 RAD boards,
2 EWM-900-FDTC-BS module, 2 EWM-900-FDTC-HS module, (4) AAA batteries, and documentation/ software CD. This kit is battery powered and can be used for stand-alone development or with a laptop for development and range testing. Special software allows the designer to manipulate the control register bits, perform BER testing, and monitor local and remote RSSI levels.

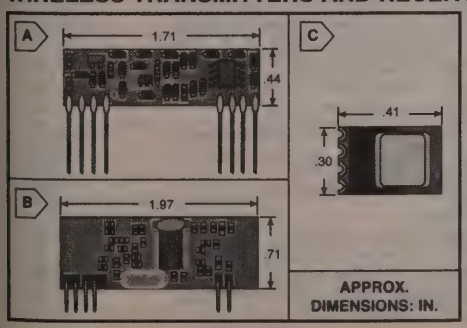
Applications:
Wireless Headsets, Wireless Intercoms, Industrial Automation, Wireless Microphones

Features:
- Extended Range - Up to 1,000 Feet
- Small Size - 1.22"x.83"x.4"
- High Performance - Low Cost
- Point to Multi-point
- Low Power Consumption

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Radiotronix Part Number	Description	Price Each
509-EWM-900-FDTCBS	EWM-900-FDTC (BS)	EWM-900-FDTC Base Station	47.99
509-EWM-900-FDTCHS	EWM-900-FDTC (HS)	EWM-900-FDTC Head Set	47.99
509-RK-900-FDTC	RK-900-FDTC	EWM-900-FDTC RAD Rapid Development Kit	349.00

WIRELESS TRANSMITTERS AND RECEIVERS



Radiotronix RF transmitter and receiver modules offer a cost effective, high-performance solution for remote control type applications and are ideal for remote control applications where low-cost and longer range are required.

Features:
- Very Small Package
- Low Cost
- Long Range
- Minimal RF Experience needed

Applications:
Keyless Entry, Remote Control, Wireless Sensors, Gaming, RFID

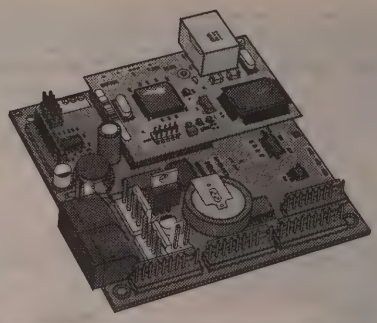
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Radiotronix Part No.	Fig.	Frequency	Vcc (VDC)	Icc (mA)	Modulation	Baud Rate	Audio	Range (ft.)	Price Each 1	25	50
Receivers												
509-RCR-433-RP	RCR-433-RP	A	433.92 MHz	5	4.5	ASK/OOK	4800	Yes	100-300	4.99	4.49	4.29
509-RCR-418-RP	RCR-418-RP	A	418 MHz	5	4.5	ASK/OOK	4800	Yes	100-300	4.99	4.49	4.29
509-RCR-315-RP	RCR-315-RP	A	315 MHz	5	4.5	ASK/OOK	4800	Yes	100-300	4.99	4.49	4.29
509-RCR-433-HP	RCR-433-HP	B	433.92 MHz	5	4.5	ASK/OOK	4800	No	300-800	13.99	13.29	12.79
Transmitters												
509-RCT-433-AS	RCT-433-AS	C	433.92 MHz	2-12	5.0 @3V	ASK/OOK	4800	No	100-300	3.99	3.49	3.09
509-RCT-418-AS	RCT-418-AS	C	418 MHz	2-12	5.0 @3V	ASK/OOK	4800	No	100-300	3.99	3.49	3.09
509-RCT-315-AS	RCT-315-AS	C	315 MHz	2-12	5.0 @3V	ASK/OOK	4800	No	100-300	3.99	3.49	3.09

Z-WORLD Single Board Computers

BL2500 COYOTE

Gives OEM designers extremely low-cost embedded control for high-volume applications such as product control, factory equipment control, access control, HVAC, and vending machines. Two standard models—one with Ethernet, one without—feature the Rabbit 3000™ microprocessor at 29.4 MHz, with 256K Flash and 128K SRAM.



Complete Kits For New Users

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
812—101-0577		Jumpstart your evaluation and design efforts with a complete development kit, which includes BL2500 Coyote, demonstration board, Dynamic C development system and complete documentation on CD-ROM, serial cable for programming and debugging.	299.00

Product Only

† Requires 1.27mm programming cable - See Below

812—101-0575	BL2500 10Base-T Ethernet	189.00
812—101-0599	BL2500 with 512K/512K	209.00
812—101-0602	BL2500 with 10/100, 512K/512K, 44.2clk †	239.00
812—101-0576	BL2510 No Ethernet	149.00
812—101-0600	BL2510 with 512K/512K	179.00

Expansion Boards

812—101-0688	RabbitNet D/A Expansion Card	89.00
812—101-0617	RN1400 RabbitNet Relay Expansion Card	89.00
812—101-0616	RabbitNet A/D Expansion Card	89.00
812—101-0612	RabbitNet Digital I/O Expansion Card	89.00
694—101-0467	8 Meg Serial Flash	119.00
812—101-0282	Universal Relay Board	99.00
812—101-0879	RN1600 RabbitNet Keypad/Display Interface Card	69.00

Programming/Development Tools

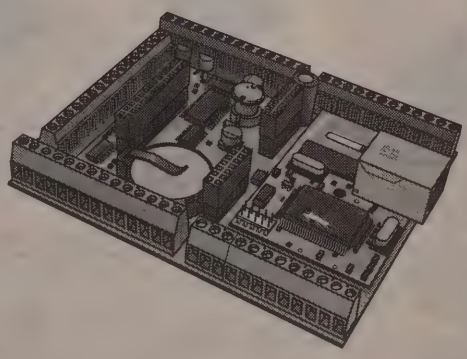
694—101-0666	Dynamic C Module	359.00
694—101-0580	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
538—63811-1000	Crimp Tool	39.00
694—101-0542	1.27 mm Programming Cable	26.00
812—101-0581	Connectivity Kit	18.00
812—101-0887	RN1600 RabbitNet Epansion Kit	149.00

Specifications:

Feature	BL2500	BL2510
Microprocessor	Rabbit 3000™ at 29.4 MHz	
Ethernet Port	10Base-T, RJ-45	N/A
Flash Memory	256K (standard)	
SRAM	128K (standard)	
LED's	4-User-programmable	
Digital Inputs	16: 15 protected to ±36 VDC, 1 protected to +5 –36V; threshold is 1.5 V nom.	
Digital Outputs	8, sink up to 200 mA each, 36 V DC max. standoff voltage	
Analog Inputs	One 10-bit resolution, 8-bit accuracy, input range 0.1–3.1 V, 10 samples/s	
Analog Outputs	Two 9-bit PWM, 0.1–3.1 VDC, 17ms settling time	
Serial Ports	6 serial ports: 1 RS-485, 2 RS-232 or one RS-232 (with CTS/RTS), 1 CMOS level asynchronous or clocked serial port, 1 expansion serial port multiplexed to two RS-422 clocked SPI ports, 1 CMOS compatible serial port for programming/debug	
Serial Rate	Max. async = CLK/8, Max. sync = CLK/2	
Real-Time Clock	Yes	
Timers	Ten 8-bit timers (6 cascadable from the first) and one 10-bit timer with 2 match registers	
Watchdog/Supervisor	Yes	
Power	8 – 40 V DC 1 W typical w/ no load	8 – 40 V DC 0.8 W typical w/ no load
Backup Battery	3 V lithium coin-type, 1000 mA•h, supports RTC & SRAM	
Operating Temperature	–40° to +70°C	
Humidity	5 – 95%, noncondensing	
Connectors	5 polarized 9-pin Molex® type terminals with 0.1" pitch, Two 4-pin 0.156" pitch Molex type, two 0.156" pitch 2-pin Molex type, two RJ-45, one 0.1" pitch 2x5 IDC, one 2 mm pitch 2x5 IDC programming port	
Board Size	3.95" x 3.95" x 1.16" (100 x 100 x 29 mm)	3.95" x 3.95" x 0.80" (100 x 100 x 20 mm)

BL2100 SMARTCAT

Designed for medium-scale control and monitoring applications, the Smartcat is a high-performance single-board computer that gives OEM designers Ethernet and keypad/display options all in one low-cost package. The Smartcat offers plenty of sinking/sourcing digital I/O with A/D and D/A, providing comprehensive integrated control capabilities in a compact 4.14" x 3.41" (105 x 87 mm) form factor. Ethernet models are ideal for remotely monitoring and supervising another programmable system or web-enabling new or existing products. The Ethernet interface is fully supported by software to enable network and Internet connectivity.



Specifications:

*13–36 V DC supply voltage required

Feature	BL2100	BL2110	BL2120	BL2130
Microprocessor	Rabbit 2000™ @ 22.1 MHz			
Ethernet Port	10Base-T, RJ-45, link and activity LEDs		None	
Flash	256K			
SRAM	128K			
Backup Battery	Socketed 3-V lithium coin-type, 265 mA•h, supports RTC and SRAM			
Keypad/Display	See keypad/display options and our "OP" products (for serial display options)			
Digital Inputs	24: protected to ± 36 VDC			
Digital Outputs	16: source/sink 200 mA each, 36 VDC max.			
Analog Inputs	11 at 1 MΩ, 12-bit resolution, ±10 VDC, up to 4,100 samples/sec	None	11 at 1 MΩ, 12-bit resolution, ±10 VDC, up to 4,100 samples/sec	None
Analog Outputs	Four 12-bit resolution, 0-10 VDC*, update rate 12kHz	None	Four 12-bit resolution, 0-10 VDC*, update rate 12kHz	None
Serial Ports	4 total: two 3-wire (or one 5-wire) RS-232, 1 RS-485, and one 5 V CMOS-compatible (programming)			
Serial Rate	Max. burst rate = CLK/32 Max. sustained rate= burst/2			
Connectors	Screw terminals support max. 14 AWG/1.5 mm2			
Real-Time Clock	Yes			
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers			
Watchdog/Supervisor	Yes			
Power	9–36 VDC, 1.5 W max. (without display), 3 W max. (with display)			
Operating Temp	–40°C to +70°C			
Humidity	5–95%, non-condensing			
Board Size	4.14" x 3.41" x 0.93" (105 x 87 x 24 mm)			

Tool Kit

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
812—101-0482		SmartCat Tool Kit (board not included)	200.00

Product Only

812—101-0461	BL2100 Analog and Ethernet	339.00
812—101-0568	BL2100 w/ 512K/512K	379.00
812—101-0567	BL2100 IDC Headers	364.00
812—101-0790	BL2100 IDC Headers, 512K Flash	404.00
812—101-0566	BL2100 Friction Lock Connectors	379.00
812—101-0818	BL2100 Friction Lock Connectors, 512K Flash	404.00
812—101-0565	BL2100 Bottom Mount Sockets	379.00
812—101-0568	BL2100 512K/512K	379.00
812—101-0531	BL2101 0-10V A/D	339.00
812—101-0573	BL2101 512K/512K	379.00
812—101-0697	BL2102 Bottom Mount Connectors	379.00
812—101-0462	BL2110 Ethernet, no Analog	249.00
812—101-0551	BL2110 IDC Headers	274.00
812—101-0837	BL2110 IDC Headers, 512K/512K	314.00
812—101-0550	BL2110 Friction Lock Connectors	274.00
812—101-0851	BL2110 Friction Lock Connectors, 512K/512K	314.00
812—101-0549	BL2110 Bottom Mount Sockets	289.00
812—101-0572	BL2110 512K Flash	289.00
812—101-0837	BL2110 IDC Headers, 512K Flash	314.00
812—101-0463	BL2120 Analog, no Ethernet	299.00
812—101-0571	BL2120 IDC Headers	324.00
812—101-0570	BL2120 Friction Lock Connectors	324.00
812—101-0569	BL2120 Bottom Mount Sockets	339.00
812—101-0464	BL2130 No Analog, no Ethernet	209.00
812—101-0548	BL2130 IDC Headers	234.00
812—101-0547	BL2130 Friction Lock Connectors	234.00
812—101-0546	BL2130 Bottom Mount Connectors	249.00

Product Options and Accessories

694—101-0666	Dynamic C Module	359.00
694—101-0589	Rabbit Cloning Board	89.00
694—101-0513	2mm Programming Cable	26.00
812—101-0106	24VDC/110 Power Supply	15.00

Expansion Boards

694—101-0467	8 Meg Serial Flash	89.00
812—101-0282	Universal Relay Board	99.00

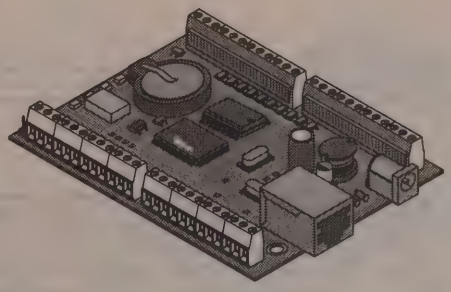
Mounting/Display

694—101-0465	Keypad/Display Unit	79.00
812—151-0127	Panel-Mount Keypad/Display Unit	99.00
812—101-0466	Keypad/Display Unit w/Case	99.00
694—540-0066	Keypad/Display Unit Cable 20'	15.00
812—101-0495	Baseplate	10.00

Z-WORLD Single Board Computers

BL2000 WILDCAT

The Wildcat gives OEM designers optional Ethernet connectivity in a low-cost, high-performance single-board computer. These compact boards are rich with the digital I/O, A/D, and D/A designers need for embedded control and monitoring applications, and the Wildcat's compact board size of 4.15" x 3.43" (105 x 87 mm) allows for easy integration. Ethernet models are ideal for remotely monitoring and supervising another programmable system or web-enabling new or existing products.



Tool Kit

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
812—101-0472		Wildcat Tool Kit (board not included)	200.00

Product Only

812—101-0430	BL2000 Ethernet, Analog I/O	249.00
812—101-0556	BL2000 IDC Headers	274.00
812—101-0843	BL2000 IDC Headers, 512K SRAM	334.00
812—101-0555	BL2000 Friction Lock Connectors	274.00
812—101-0840	BL2000 Friction Lock Connectors, 512K SRAM	334.00
812—101-0841	BL2000 Friction Lock Connectors, 512K/512K	374.00
812—101-0842	BL2000 Friction Lock Connectors, 512K Flash	314.00
812—101-0554	BL2000 Bottom Mount Sockets	289.00
812—101-0835	BL2000 512K Flash	289.00
812—101-0455	BL2010 Ethernet, Analog inputs only, 2 extra dual purpose	199.00
812—101-0592	BL2010 IDC Headers	224.00
812—101-0591	BL2010 Friction Lock Connectors	224.00
812—101-0590	BL2010 Bottom Mount Sockets	239.00
812—101-0456	BL2020 No Ethernet, Analog I/O	209.00
812—101-0595	BL2020 IDC Headers	234.00
812—101-0594	BL2020 Friction Lock Connectors	234.00
812—101-0593	BL2020 Bottom Mount Connectors	249.00
812—101-0457	BL2030 No Ethernet, Analog inputs only, 2 extra dual	159.00
812—101-0817	BL2030 512K SRAM	219.00
812—101-0598	BL2030 IDC Headers	184.00
812—101-0597	BL2030 Friction Lock Connectors	184.00
812—101-0596	BL2030 Bottom Mount Connectors	199.00

Programming/Development Tools

694—101-0666	Dynamic C Module	359.00
694—101-0580	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
694—540-0070	RS-232 to-USB Converter Cable	39.00

Expansion Boards

694—101-0467	8 Meg Serial Flash	89.00
812—101-0282	Universal Relay Board	99.00

Mounting/Display

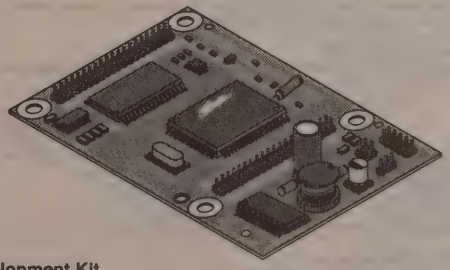
812—101-0431	Unibox Enclosure	15.00
812—151-0075	Light Pipes	5.00
812—101-0495	Baseplate	10.00

Specifications:

Feature	BL2000	BL2010	BL2020	BL2030
Microprocessor	Rabbit 2000 at 22.1 MHz			
Ethernet Port	10Base-T, RJ-45, link and activity LEDs		None	
Flash Memory	256K			
SRAM	128K			
Backup Battery	Socketed 3 V lithium coin-type, 265 mA·h, supports RTC and SRAM			
Keypad/Display	See our "OP" products for serial display options			
Digital Inputs	11: protected to ±36 VDC			
Digital Outputs	8: sink 200 mA, 2: sink 750 mA, 40 VDC max.			
Analog Inputs	Four 12-bit resolution 1 MW, ±10 VDC, up to 4,000 samples/sec.	Four 10-bit resolution 1 MW, ±10 VDC, up to 4,000 samples/sec.	Four 12-bit resolution 1 MW, ±10 VDC, up to 4,000 samples/sec.	Four 10-bit resolution 1 MW, ±10 VDC, up to 4,000 samples/sec.
Analog Outputs	Two 12-bit resolution, 0–4 VDC, update rate 12 kHz	None	Two 12-bit resolution, 0–4 VDC, update rate 12 kHz	None
Dual Purpose Analog or Digital Inputs	5 at 12 kW, 12-bit resolution, 0–48 VDC	7 at 12 kW, 10-bit resolution, 0–48 VDC	5 at 12 kW, 12-bit resolution, 0–48 VDC	7 at 12 kW, 10-bit resolution, 0–48 VDC
Relay Outputs	SPDT, 1 A @ 30 VDC, 0.3 A @ 120 VAC Uses 1 digital output			
Serial Ports	4 total: two 3-wire (or one 5-wire) RS-232, 1 RS-485, and one 5 V CMOS-compatible (programming)			
Serial Rate	Max. burst rate = CLK/32 Max. sustained rate = burst/2			
Connectors	Screw terminals support max. 14 AWG/1.5 mm2			
Real-Time Clock	Yes			
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers			
Watchdog/Supervisor	Yes			
Power	9–40 VDC or 24 VAC ±10%, 1.5 W max., power jack			
Operating Temp	–40°C to 70°C			
Humidity	5–95%, non-condensing			
Board Size	3.43" x 4.15" x 0.82" (87 x 105 x 21 mm)			
Enclosure Size	4.9" x 5.6" x 1.1" (124 x 142 x 28 mm)			
LED's	8 total: Power On, Microprocessor Error, Ethernet Link, Ethernet Activity, 4 output status		6 total: Power On, Microprocessor Error, 4 output status	

BL1800 JACKRABBIT

The Jackrabbit is Z-World's most compact and lowest cost C-programmable single-board computer. The Jackrabbit is the perfect solution for applications that have significant cost and size constraints but need a dependable SBC. Fast number crunching is provided by a Rabbit 2000 microprocessor operating at up to 29.5 MHz.



Specifications:

Feature	BL1800	BL1810	BL1820
Microprocessor	Rabbit 2000 @ 29.5 MHz	Rabbit 2000 @ 14.7 MHz	
Flash	256K	128K	
SRAM	128K		
Backup Battery	3 V lithium coin-type, 950 mA·h, supports RTC and SRAM		None
Keypad/Display	See our "OP" products for serial display options		
Digital Inputs	6 CMOS-compatible		7 CMOS-compatible
Digital Outputs	8 total: 4 CMOS-compatible, 3 sink up to 1 amp each, 1 sources up to 0.5 amps, 30 VDC max.	8 total: 4 CMOS-compatible, 3 sink up to 200 mA each, 1 sources up to 100 mA, 30 VDC max.	9 total: 5 CMOS-compatible, 3 sink up to 200 mA each, 1 sources up to 100 mA, 30 VDC max.
Configurable I/O	14 total CMOS-compatible: 8 bytewide and 6 by bit		15 total CMOS-compatible: 8 bytewide and 7 by bit
Analog Inputs	One 9-bit resolution, 8-bit accuracy, 0.1–2.8 V input range, 10 samples/sec.		
Analog Outputs	Two 9-bit PWM, one 0.1–2.8 VDC, one 0.7–3.5 VDC, update rate 50 Hz		
Serial Ports	4 total: two 3-wire (or one 5-wire) RS-232, one RS-485, and one 5 V CMOS-compatible (programming). 2 configurable as sync.		4 total: two 3-wire (or one 5-wire) RS-232 and two 5 V CMOS-compatible (1 programming). 2 configurable as sync.
Serial Rate	Max. burst rate = CLK/32 (async) Max. sustained rate = burst/2		
Connectors	Two 2 x 20, 2 mm IDC headers		
Real-Time Clock	Yes		
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers		
Watchdog/Supervisor	Yes		
Power	8–40 VDC, 1.2 W max.	7.5–25 VDC, 100 mA	
Operating Temp	–40°C to +70°C		
Humidity	5–95%, non-condensing		
Board Size	3.50" x 2.50" x 0.94" (89 x 64 x 24 mm)		

Development Kit

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
812—101-0363		Jackrabbit Development Kit	139.00
812—101-0356		BL1800	99.00
812—101-0558		BL1800 512K SRAM	159.00
812—101-0357		BL1810	69.00
812—101-0814		BL1810 512K SRAM	129.00
812—101-0358		BL1820	49.00

Programming/Development Tools

694—101-0666	Dynamic C Module	359.00
694—101-0580	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
812—101-0343	BL1800 Prototyping Board	59.00
694—101-0513	2mm Programming Cable	25.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
694—151-0113	Connector Adapter Board	15.00

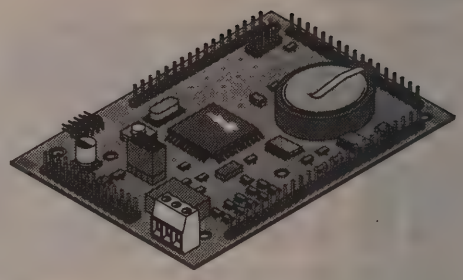
Expansion Boards

694—101-0467	8 Meg Serial Flash	89.00
812—101-0282	Universal Relay Board	99.00

Z-WORLD Single Board Computers

LP3500 FOX

The LP3500 Fox is a low-power single-board computer designed to operate reliably virtually any place it is deployed, especially where power is limited, such as in portable, hand-held, battery-powered, and remote monitoring systems. The LP3500 features built-in analog and digital I/O and consumes less than 20 mA when fully operational and less than 100 µA in power-save mode.



Specifications:

Feature	LP3500	LP3510
Microprocessor	Low-EMI Rabbit 3000™ at up to 7.4 MHz	
Flash	512K (2 x 256K)	256K
SRAM	512K (2 x 256K)	128K
Backup Battery	Socketed 3 V lithium coin-type, 265 mA·h, supports RTC and SRAM	
Keypad/Display	Optional keypad/display module with 7 keys and 122 _ 32 graphic display, easy to use menuing software	
Digital Inputs	16 protected to ±36 V DC	
Digital Outputs	10 total: 8 sink and 2 source 200 mA each, 36 V DC max.	
Relay	1 SPDT, 1 A, 30 V DC, bi-stable	None
Analog Inputs	Eight 11-bit single-ended or four 12-bit differential, 1MW input impedance, up to 200 samples/sec. Multiple software-controlled programmable gain voltage ranges from 0-1 V to 0-20 V. 4 channels can be set individually for 4-20mA with plug-in jumpers 1 channel has software-selectable power voltage monitoring option	None
Analog Outputs	Unfiltered PWM, 1 kW output impedance	None
Serial Ports	6 total: 1 RS-485 3 RS-232 (three 3-wire OR one 5-wire and one 3-wire 1 logic level serial interface for optional add-ons 1 3 V CMOS-compatible(programming)	
Serial Rate	Max. asynchronous baud rate = CLK/8	
Real-Time Clock	Yes	
Timers	Ten 8-bit timers (6 cascadable from the first) and one 10-bit timer with 2 match registers	
Watchdog/Supervisor	Yes	
Main Power	3–30 V DC, 20 mA max. @ 7.4 MHz, 100 µA max. @ 2 kHz	
Backup Power	Used to reduce current in power-save mode, 2.7–3.3 V @ 100µA max	
Operating Temp	–40° to +70°C	
Humidity	5–95%, noncondensing	
I/O Connectors	Two 1 _ 17, 0.1" pitch headers	
Board Size	3.65" _ 2.60" _ 0.45" (93 x 66 x 11 mm)	

Tool Kit

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
812-101-0529		Fox Tool Kit (board not included)	200.00

Product Only

812-101-0525	512K/512K Analog inputs, Relay	199.00
812-101-0526	256K/128K	149.00

Programming/Development Tools

694-101-0666	Dynamic C Module	359.00
812-101-0545	Screw Terminal Adapter/Prototyping Board	99.00
694-101-0580	RabbitLink Card	129.00
694-101-0589	Rabbit Cloning Board	89.00
694-540-0070	RS-232-to-USB Converter Cable	39.00

Expansion Boards

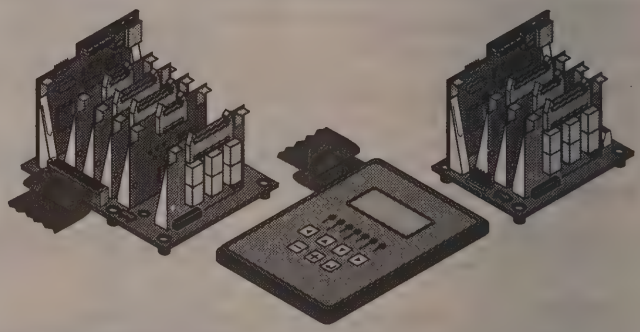
694-101-0467	8 Meg Serial Flash	89.00
812-101-0282	Universal Relay Board	99.00

Mounting/Display

812-101-0466	Keypad/Display Unit	99.00
694-101-0541	Panel-Mount Keypad/Display Unit, 3.3 Volt	99.00
694-101-0502	Panel-Mount Keypad/Display Unit, 5 Volt	99.00
812-540-0068	Keypad/Display Unit Cable 5"	15.00
812-101-0431	Unibox Enclosure	15.00
812-101-0495	Baseplate	10.00

SR9000 SMART START SYSTEM

The Smart Star is a modular and expandable embedded control system designed for demanding real-time control and data acquisition applications. Multiple I/O card options--including digital, A/D, D/A, and relays--allow users to closely match their specific I/O needs. The Smart Star CPU card comes in both Ethernet and non-Ethernet versions, and a cost-effective keypad/display is also available.



Ethernet connectivity - CPU card with or without Ethernet
Flexible functionality - modular configuration to easily interchange or replace individual I/O cards
Multiple I/O card options - digital I/O, A/D, D/A, relay
Expandable - up to 168 I/O
Cost-effective - low cost per I/O
Optional keyboard/display - backlit 122 x 32 pixel graphic LCD with 7 user-relegendable keys, 7 LEDs

Tool Kit

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
812—101-0427		Smart Start Tool Kit (board not included)	200.00

Smart Start Backplane

812—101-0512	SR9010 7-slot	99.00
812—101-0487	SR9050 3-slot	79.00

Keyboard/Display Options

694—101-0601	Keypad/Display Unit, 3.3 Volt, No Case	79.00
694—101-0465	Keypad/Display Unit, 5 Volt, No Case	79.00

Product Options and Accessories

812—101-0504	Cable and Mounting Hardware	20.00
812—540-0069	Keypad/Display Unit Cable 5"	15.00
812—151-0127	Connector Adapter Board	40.00

Smart Start CPU Card

812—101-0387	SR9100	99.00
812—101-0815	SR9100 512K SRAM	159.00
812—101-0486	SR9150 Ethernet	159.00
812—101-0738	SR9150 Ethernet, 512K SRAM	179.00
812—101-0506	SR9160	119.00
812—101-0775	SR9160 512K SRAM	179.00

Programming/Development Tools

694—101-0580	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
694—540-0070	RS-232-to-USB Converter Cable	39.00

Smart Start Digital I/O Cards

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
812—101-0389		16 inputs and 8 outputs, sinking	49.00
812—101-0437		16 inputs and 8 outputs, sourcing	49.00
812—101-0390		8 inputs and 16 outputs, sinking	49.00
812—101-0391		8 inputs and 8 outputs, sinking	49.00

Smart Start A/D Cards

812—101-0392	Eleven 12-bit analog inputs (0-10V)	79.00
812—101-0423	Eleven 12-bit analog inputs (±10V)	79.00
812—101-0444	Eleven 12-bit analog inputs (4-20mA)	79.00

Smart Start D/A Cards

812—101-0393	Eight 12-bit analog outputs (0-10V)	129.00
812—101-0394	Eight 12-bit analog outputs (±10V)	149.00
812—101-0445	Eight 12-bit analog outputs (4-20mA)	129.00

Smart Start Relay Cards

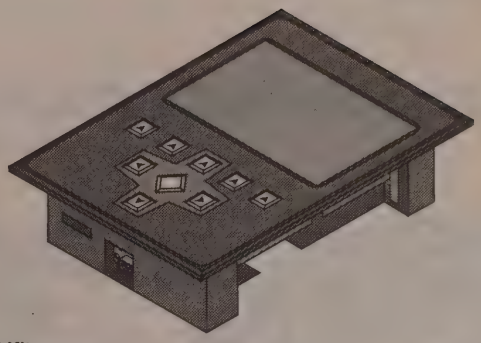
812—101-0395	6 relays: 1SPDT, 5 SPST, including snubbers	79.00
812—101-0440	8 SPDT relays, no on-board snubbers	79.00

Smart Start Field Wiring Terminals

812—101-0515	Screw-type (A/D, D/A)	19.00
812—101-0421	Pluggable (A/D, D/A)	29.00
812—101-0514	Screw-type (I/O, Relay8)	19.00
812—101-0420	Pluggable (I/O, Relay8)	39.00
812—101-0516	Screw-type (Relay6)	19.00
812—101-0422	Pluggable (Relay6)	29.00

OP7200 EDISPLAY

The OP7200 eDisplay is an intelligent operator interface that offers rugged I/O, built-in Ethernet connectivity, and optional A/D and touchscreen capabilities. The compact eDisplay is an ideal data acquisition and display device for OEM products and stand-alone systems such as factory floor controls. The unit's 10Base-T Ethernet facilitates remote diagnostics, control, and communication, including sending and receiving E-mails and alerts.



Specifications:

Feature	OP7200	OP7210
Microprocessor	Rabbit 2000™ at 22.1 MHz	
Ethernet Port	10Base-T, RJ-45	
Flash	256K	
SRAM	128K	
Backup Battery	Socketed 3 V lithium coin-type, 265 mA·h, supports RTC and SRAM, connection for user-supplied external battery	
Keypad/Display	1/4 VGA (320 _ 240 pixels) with programmable on/off white LED backlight, 9-key tactile feedback keypad	
	4096 x 4096 analog touchscreen	No touchscreen
LEDs	4: Power On, Microprocessor Error, Ethernet Link Alive, Ethernet Activity	
Digital Inputs	19 protected to ±36 VDC	16 protected to ±36 VDC
Digital Outputs	8: individually configurable in software; sink up to 350 mA, source up to 250 mA, or tri-state; 40 VDC max.	
Analog Inputs	Eight 11-bit single-ended or four 12-bit differential, 200 kW input impedance, 2.5 ksamples/sec. Eight software-controlled programmable gain/voltage ranges from 0–1 V to 0–20 V.	None
Serial Ports	4 CMOS-compatible: 1 RS-485 (or I/O expansion port), 2 RS-232 (one 5-wire or two 3-wire), One 5V CMOS-compatible (programmable)	
Serial Rate	Max. burst rate = CLK/32, Max. sustained rate = CLK/64	
Real-Time Clock	Yes	
Timers	Five 8-bit timers (4 cascadable from the first) and one 10-bit timer with 2 match registers	
Watchdog/Supervisor	Yes	
Power	9–40 VDC or 24 VAC, 4 W max.	
Operating Temp	–10° to +65°C	
Humidity	20–70%, noncondensing	
I/O Connectors	Screw terminals support max. 14 AWG/1.5 mm2 (standard)	
Product Size	5.67" x 4.41" x 1.70" (144 x 112 x 43 mm)	
Display Area	3.0" x 2.2" (76 x 56 mm)	

Tool Kit

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
812—101-0543		OP7200 Took Kit (board not included)	200.00

Product Only

812—101-0535	Touchscreen	449.00
812—101-0537	Touchscreen 512K/512K	489.00
812—101-0536	OP7210	399.00
812—101-0538	OP7210 512K/512K	439.00

Expansion Boards

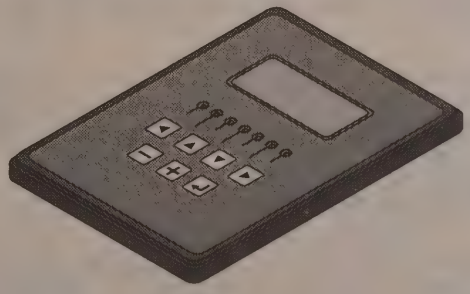
812—101-0688	RabbitNet D/A Expansion Card	89.00
812—101-0617	RN1400 RabbitNet Relay Expansion Card	89.00
812—101-0616	RabbitNet A/D Expansion Card	89.00
812—101-0612	RabbitNet I/O Expansion Card	89.00
694—101-0467	8 Meg Serial Flash	89.00
812—101-0282	Universal Relay Board	99.00
812—101-0879	RN1600 RabbitNet Relay Keypad/Display Interface Card	69.00

Programming/Development Tools

694—101-0666	Dynamic C Module	359.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
694—101-0580	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
812—101-0887	RN1600 RabbitNet Expansion Kit	149.00

OP6800 MINICOM

The MiniCom is a low-cost, C-programmable operator interface and single-board computer that offers Ethernet connectivity, plenty of industrialized I/O, a graphic LCD, and keypad. The MiniCom's compact 4.5" x 3.6" (112 x 91 mm) form factor makes it ideal for use in designs and areas with size constraints. Available in both Ethernet-enabled and non-Ethernet versions, the MiniCom provides comprehensive integrated control, display, and networking capabilities via Internet/Ethernet or serial communications.



Specifications:

Feature	OP6800	OP6810
Microprocessor	Rabbit 2000 at 22.1 MHz	
Ethernet Port	10Base-T, RJ-45	None
Flash	256K	128K
SRAM	128K	128K
Backup Battery	Connection for user-supplied battery (to support RTC and SRAM)	
Keypad/Display	122 x 32 pixel graphic LCD in two stacked sections (with programmable backlight), user-relegendable keypad with 7-key / 7-LED interface	
LEDs	7 hardware- or software-driven: 1 red, 4 green, 2 yellow	
Digital Inputs	13 total: 8 protected to ±36 VDC, 5 protected to ±25 VDC	
Digital Outputs	11 total: sink 200 mA, 40 VDC max., 4 with built-in inductive load-protection diode	
Serial Ports	4 total: two 3-wire or one 5-wire RS-232, 1 RS-485, and one 5 V CMOS-compatible (programming)	
Serial Rate	Max. burst rate = CLK/32 Max. sustained rate = burst/2	
Connectors	2 x 20, 0.1" pitch ribbon-cable header	
Real-Time Clock	Yes	
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers	
Watchdog/Supervisor	Yes	
Power	9–36 VDC, 1.5 W max.	
Operating Temp	0–50°C	
Humidity	5–95%, non-condensing	
Product Size	4.5" x 3.6" x 1.33" (112 x 91 x 33 mm)	

Tool Kit

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
812—101-0500		MiniCom Tool Kit (board not included)	200.00

Product Only

812—101-0492	OP6800	249.00
812—101-0654	OP6800 512K/512K	289.00
812—101-0497	OP6810	199.00

Programming/Development Tools

694—101-0666	Dynamic C Module	359.00
812—101-0505	OP6800 Proto Board	49.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
694—101-0580	RabbitLink card	129.00
694—101-0589	Rabbit Cloning Board	89.00

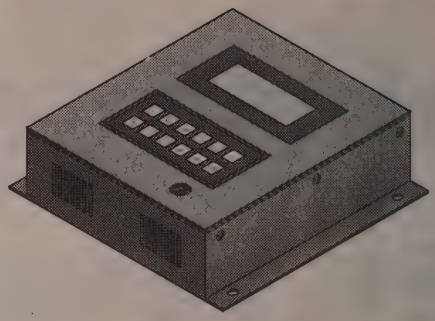
Expansion Boards

694—101-0467	8 Meg Serial Flash	89.00
812—101-0282	Universal Relay Board	99.00

Z-WORLD Single Board Computers

OP6700 INTELLICOM

The Intellicom is a C-programmable, 12-key graphic display with Ethernet for network connectivity and a VFD option for applications requiring high visibility. To accommodate users' installation preferences, the versatile Intellicom can be either wall or panel mounted.



Specifications:

Feature	OP6700	OP6600
Microprocessor	Rabbit 2000 at 18.432 MHz	
Ethernet Port	10Base-T, RJ-45	None
Flash	512K (2 x 256)	256K
SRAM	128K	
Backup Battery	Socketed board with 3 V lithium coin-type, 1,000 mA-h, supports RTC and SRAM	
Keypad/Display	2 x 6 domed tactile keypad with customizable legend, supertwist 4 x 20 LCD with backlighting	
Digital Inputs	4 protected to ±36 VDC	
Digital Outputs	4 sink 200 mA, 40 VDC max.	
Speaker Outputs	Software-adjustable frequency and volume	
Serial Ports	3 total: one 5 V CMOS-compatible (programming) and either two 3-wire RS-232, one 3-wire RS-232 and one RS-485, or one 5-wire RS-232	
Serial Rate	Max. burst rate = CLK/32 Max. sustained rate = burst/2	
Connectors	Screw terminals	
Real-Time Clock	Yes	
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers	
Watchdog/Supervisor	Yes	
Power	9–40 VDC, 2.4 W (backlighting on)	
Operating Temp	0–50°C	
Humidity	5–95%, non-condensing	
Board Size	4.7" x 4.3" x 0.8" (119 x 109 x 20 mm)	
Enclosure	6.7" x 5.7" x 2.0" (170 x 145 x 51 mm)	

Tool Kit

MOUSER STOCK NO. / Mfr. Part No.	Description	Price Each
812—101-0414	Intellicom Tool Kit (board not included)	200.00

Product Only

812—101-0411	OP6700	289.00
812—101-0412	OP6600	219.00

Programming/Development Tools

694—101-0666	Dynamic C Module	359.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
694—101-0580	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
812—101-0410	Battery Board	25.00

Expansion Boards

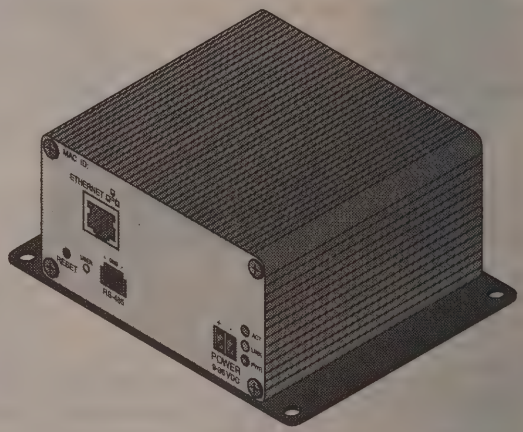
694—101-0467	8 Meg Serial Flash	89.00

EM1500 SERIAL-ETHERNET BRIDGE

The EM1500 Serial-Ethernet Bridge is a device that converts multi-point serial communications to a TCP/IP network. The EM1500 connects to and network enables as many as 4 RS-232 serial devices simultaneously, while also acting as master on a multi-drop RS-485 network. In addition, the EM1500 provides an SPDT relay, 2 digital open collector outputs and 3 digital inputs suitable for interfacing to mechanical switches or logic level circuits.

Success in today's marketplace demands rapid, low-cost access to information. The EM1500 is designed to allow easy setup and monitoring via a "black box" approach. No programming is needed. The tight integration of hardware and software offers unparalleled reliability. Quick configuration over Ethernet, using a web browser or the stand-alone GUI configuration program, is easy and convenient.

The EM1500 interfaces with all types of serial devices: modems, sensors, card readers, bar scanners, printers, etc. Having 2 EM1500s allows the creation of a transparent serial bridge, thereby using some of the more advanced software features, such as packaging and protocol conversions.



Hardware Features:
- 10/100Base-T Ethernet
- 4 Serial Ports
- Guaranteed throughput 600 Kpbs (subject to network throughput)
- Serial ports 3 & 4 are either independent RS-232 ports up to 120 Kbps or TTL
- RS-485 up to 230.4 Kbps
- Easily interface legacy serial devices to Ethernet
- Extend the communication distance between 2 serial devices
- Metal enclosure for industrial applications

Software Features:
- Web browser interface for remote configuration
- GUI for easy configuration and monitoring
- Secure remote configuration
- AT command set emulation

Specifications:

Feature	EM1500
Microprocessor	Rabbit 3000 at 44.2 MHz
Ethernet	10/100Base-T, RJ-45
Flash	512K/256K data
SRAM	512K program execution
Backup Battery	3 V lithium coin type, 950 mAh
Relay	SPDT, 1 A @ 30 VDC, 0.3 A @ 120 VAC
Digital Inputs	3 protected to ± 36 V
Digital Outputs	2 sinking up to 750 mA, > -0.5V; < (Vin + 0.5V).
Serial Ports	1 DTE RS-232, 1 DCE RS-232, 1 RS-485 half duplex, 1 or 2 configurable serial port(s): Two 3-wire, One 5-wire, or one 9-wire (TTL only)
Serial Rate	75-230.4 Kpbs, 7/8 data bits, N/O/E/M/S parity, 1 stop, min thru-put: 600 Kbps
Serial buffer	1020 bytes
Configuration GUI	Supports WIN32, x86 Linux
Flow Control (RS-232)	None, XON/XOFF, RTS/CTS, DTR/DSR, DCD set independently for each directions (Tx, Rx)
Protocols	TCP/IP, telnet, RFC2217, DHCP, ARP, ICMP, DNS
LEDs	4: PWR (red), ACT (yellow), LINK (green), USER (red and green)
Power	9-36 VDC @ 1.5 W max
Operating Temp	–40°C to +70°C
Humidity	5–95%, noncondensing
Connectors	2 DB9 (1 male, 1 female), 1: 1x9 IDC, 0.1" pitch header, 1: 1x3 IDC, 0.1" pitch header 1: 2x5 IDC, 0.1" pitch header, RJ – 45, 1: 2 Position screw terminal
Enclosure Size	3.56" x 4.18 " x 1.72" (90 x 106 x 44 mm)

Tool Kit

MOUSER STOCK NO. / Mfr. Part No.	Description	Price Each
812—101-0585	Serial-Ethernet Bridge Tool Kit	99.00

Product Only

812—101-0583	EM1500 pre-programmed Ethernet Gateway	249.00

MOUSER ELECTRONICS a tti company

(800) 346-6873

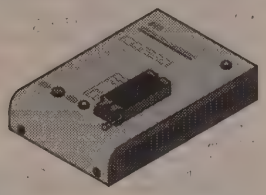
BK PRECISION PROGRAMMERS

Each programmer has been designed for ease-of-use and reliable performance. Whether you are working with PLCC, SOIC, TSOP, DIP, TQFP, SSOP, PSOP or QFP, B+K Precision has an extensive line of socket adapters to interface with any IC package. These programmers are a must for anyone that tests, repairs, or programs any electronic device that uses a memory IC. Fast and reliable, you can depend upon B+K Precision programmers.

Device Programmer

Features:

- EPROM, EEPROM, Flash, NVRAM and serial EEPROM capability
- Low cost
- 32 pin DIL ZIF (Zero Insertion Force) socket accepts both 300/600 mil devices up to 32 pin
- Parallel printer port interface
- Easy to use control program, DOS and Windows 95/98/Me/NT/2000/XP compatible
- One year warranty



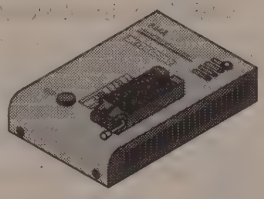
B&K Part Number 848

615-848	EEPROM Programmer, Single Socket	$249.00

Device Programmer

Features:

- Small, fast and powerful programmer
- 40 pin DIL ZIF (Zero Insertion Force) socket accepts both 300/600 mil devices up to 40 pins
- In-circuit serial programming (ISP) capability included
- High-speed IEEE 1284 printer-port interface, up to 1MB/sec. transfer rate
- Easy to use control program, DOS and Windows 95/98/Me/NT/2000/XP compatible
- One year warranty



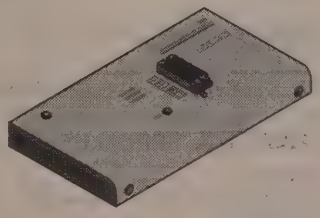
B&K Part Number 844A

615-844A	Device Programmer (Windows software included)	$420.00

Universal Device Programmer

Features:

- Fast and accurate programming
- 48 pin DIL ZIF (Zero Insertion Force) socket accepts both 300/600 mil devices up to 48 pin
- 48 pin ZIF socket, no adapter required for any DIP device up to 48 pins
- Parallel printer port interface
- Windows 95/98/Me/NT/2000 compatible
- One year warranty



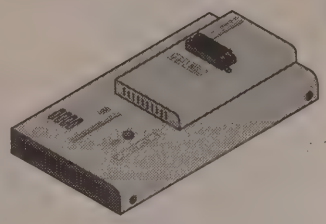
B&K Part Number 864

615-864	Universal Programmer	$695.00

Universal Device Programmer

Features:

- Fast and accurate programming
- 48 pin DIL ZIF (Zero Insertion Force) socket accepts both 300/600 mil devices up to 48 pins
- 48 pin ZIF socket, no adapter required for any DIP device up to 48 pins
- Parallel printer port interface
- Windows 95/98/Me/NT/2000/XP compatible
- One year warranty



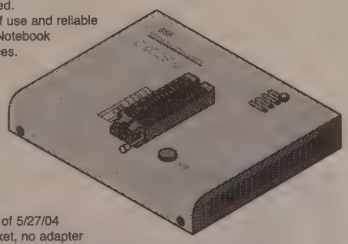
B&K Part Number 865

615-865	Universal Programmer (Windows based software included)	$995.00

Universal Device Programmer with USB Interface

Features:

- The 866 is a universal device programmer with an extensive device library that is constantly updated.
- This programmer has been designed for ease of use and reliable performance and it is ideal for use with Laptop/Notebook computers that do not have parallel port interfaces.
- Whether you are working with PLCC, SOIC, TSOP, DIP, TQFP, SSOP, PSOP or QFP, B+K Precision has an extensive line of socket adapters to interface with any IC package.
- This programmer is a must for anyone that Tests, Repairs, or Programs any electronic device that uses a memory IC.
- 48 pin DIL ZIF (Zero Insertion Force) socket accepts both 300/600 mil devices up to 48 pin
- Over 12,438 supported devices (9,734 devices supported via USB interface) as of 5/27/04
- Fast and accurate programming 48 pin ZIF socket, no adapter required for any DIP device up to 48 pins
- Connector for in-circuit programming (ISP) Windows 95/98/Me/NT/2000/XP compatible



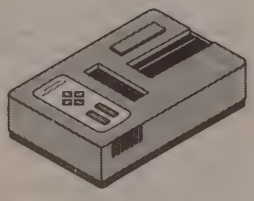
B&K Part Number 866

615-866	Universal Device Programmer with USB Interface	$995.00

Stand Alone Universal Programmer

Features:

- 48 Pin DIP ZIF socket universal pin drivers
- Auto run mode starts programming automatically upon detection of chip insertion
- Supports down to 1.8V low voltage devices
- Supports Windows2000/NT/9x (XP compatible)
- 7 key keypad • Internal CPU
- 16x2 LCD display • 4Mbits data buffer
- Flash memory for programming data and algorithms.
- Programming algorithms for more than 3,000 devices are supported.
- Store more than 30 algorithms at one time.
- Ideal for volume programming or field service operations.
- One year warranty



B&K Part Number 869

615-869	Stand-Alone Universal Programmer	$995.00

BK PRECISION ERASERS

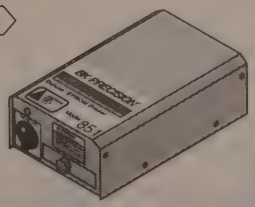
Features:

- **615-850**: UV-EPROM eraser with small dimensions, high erasing efficiency, and simple operation. Up to 5 EPROMs in 40-pin DIP packages can be erased simultaneously. A built-in timer is preset to an optimum erasing period.
- **615-851**: Heavy duty EPROM eraser that can simultaneously erase up to 40 24 pin EPROMs. It has an all-metal case plus an advanced designed chip drawer that prevents UV radiation from being a hazard to the user. The chip drawer is lined with conductive foam to prevent electrostatic damage to the chips.

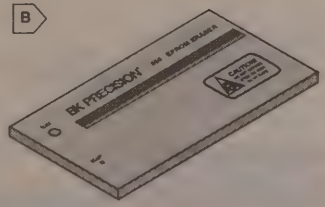
Specifications:

- Timer Setting: **615-850**:15 min., 12VDC/500mA (AC/DC adapter Included)
  615-851: 60 min., 100-120VAC 50/60Hz
- UV Bulb Wattage: **615-850**: 4W; **615-851**: 10W
- Supplied: **615-850**: AC/DC adapter, Pad, Manual
  615-851: AC Power cord, Manual

A



B



For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	BK Precision Part No.	Fig.	No. of EPROM's	Price Each
EPROM Erasers				
615-851	851	A	40	169.00
615-850	850	B	5	95.00
EPROM Adapters			Description	
615-70-0036	70-0036		32 Pin PLCC	90.00
615-70-0023	70-0023		28 Pin SOIC	90.00
615-70-0083	70-0083		48 To 52 Pin PLCC	166.00

XELTEK Universal Programmers & EPROM Erasers

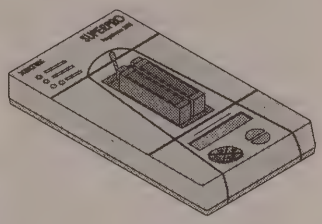
XELTEK

XELTEK SUPERPRO-3000U AND SUPERPRO-3000U-100

These high-speed, USB connected universal programmers provide a scaleable programming solution, used singly for development or with up to 4 units clustered for low volume production. With up to 100 universal pin drivers, low voltage device support down to 1.5V and broad universal adapter range, it supports over 12,000 devices.

Features:

- Over 20, 000 devices supported including memories, microcontrollers and programmable logic
- 48-Pin ZIF socket, no adapters required for 300/600 mil DIP devices up to 48 pins
- 48 universal pin drivers - full functionality on every pin maximizes adapter flexibility
- Optional 100-Pin PEP module with 100 universal pin drivers (standard on SP-3000U-100)
- Universal adapters support all devices that come in same package
- Low voltage device support – down to 1.5V for latest generation devices
- Operates in standalone mode for manufacturing and service – built in keyboard and LCD display for operation without host PC
- Auto-Sense and Batch mode simplifies and speeds up programming work flows
- Auto Serial number adds unique ID to programmed device for identification & tracking
- Broad operating system support – Windows 95/98/Me/2000/NT/XP
- USB connectivity to host PC or USB hub for high speed download
- Free software updates from internet – new device updates released monthly
- High speed operation
- Includes TTL and SRAM test
- 1-Year warranty

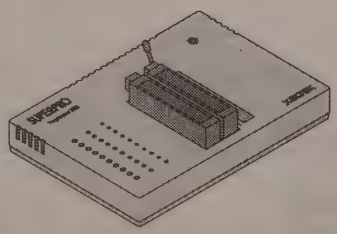


MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
674—SP3000U		High Performance Universal Programmer 48 Pin	995.00
674—SP3000U-100		High Performance Universal Programmer 100 Pin	1245.00
674—PEP3000		100 Pin Adapter for 3000U	295.00
674—128MEG		128 Meg Flash Card	80.00

XELTEK SUPERPRO-580U

Features:

- Programs high-density Flash memory devices at near theoretical minimum programming times. (Program+verify INTEL28F320W18, 32Mb less than 13.5s)
- Standard 48 pin universal pin-drivers come with universal package adapters to support all types of devices in same package with a single adapter. No adapters are needed for DIL devices.
- Advanced hardware features minimized Bounce noise.
- Supports 16,000+ devices from up to 80 IC manufacturers including MEMORY, MCU, PLD.
- Pin continuity and wrong chip insertion check prevent chips from accident damage.
- Over-current and over-voltage protection for programmer hardware.
- Software supports Windows 98/Me/NT/2000/XP. (Free life-time software update.)
- Operator friendly control software combines many powerful functions with ease of use. Recognizes file formats and detects large file offset automatically.



Device Supported:

- EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA Configuration Serial PROM, FLASH Memory (NOR and NAND), BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic.

Socket Adapters Supported:

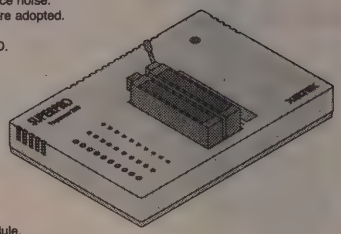
DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, VQFP, TSOP, TSOPII, SOP, P SOP, TSSOP, SON, EBGA, FBGA, VFBGA, μBGA, CSP, SCSP, etc.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
674—SUPERPRO-580U		USB Interfaced Universal Device Programmer	695.00

XELTEK SUPERPRO-280U

Features:

- Programs high-density Flash memory devices.
- Standard 48 pin universal pin-drivers come with universal package adapters to support all types of devices in same package with a single adapter. No adapters are needed for DIL devices.
- Advanced hardware features minimized Bounce noise. Only IC manufacturers approved algorithms are adopted.
- Supports 10,000+ devices from up to 80 IC manufacturers including MEMORY, MCU, PLD.
- Free life-time software update.
- Pin continuity and wrong chip insertion check prevent chips from accident damage.
- Over-current and over-voltage protection for programmer hardware.
- Software supports Windows 98/Me/NT/2000/XP.
- Operator friendly control software combines many powerful functions with ease of use.
- PC Interface: USB
- One year warranty.
- Items included: programming unit, DIL48 Module, AC adapter, Program CD-ROM, USB Cable, User's Guide



Device Support:

- EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA Configuration Serial PROM, FLASH Memory (NOR and NAND), BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic.

Socket Adapters Supported:

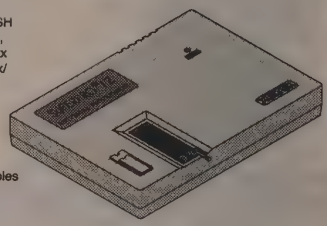
- DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, VQFP, TSOP, TSOPII, SOP, P SOP, TSSOP, SON, EBGA, FBGA, VFBGA, μBGA, CSP, SCSP, etc.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
674—SUPERPRO-280U		USB Interfaced Universal Device Programmer	549.00

XELTEK SUPERPRO-Z

Features:

- 40 Pin Low Cost Universal Programmer
- 3000+ devices supported, Most E/EPROM, FLASH
- GAL, EP3xx/6xx/9xx, PEEL, PALCE, PLUS, PLS, PLH, PLC, ATV, ATF, CPL, 85Cxxx,5Cxxx,DS12xx
- Microcontrollers 87xx/ 89xx/ Z86Exx/ TMS320xxx/ D77Pxx/ D75Pxx/ D78Pxx/ PD75xxx/
- HD6370xxx/PIC16Cxx/17Cxx, COP87xx, and PSD3XX
- DOS Shell, Change directory, Print, Quit
- Printer Port Interfaces, parallel communication, uses address 278H,378H, 3BCH
- Easy interface to LAPTOP, PC, PS/2 or compatibles
- Mouse support, user friendly menu driven software interface
- High speed programming, Cost effective Hardware and Flexible Software
- Supports 2000+ devices
- Supports most E(E)PROM, Series E(E)PROM, and Flash
- Entry Level Product



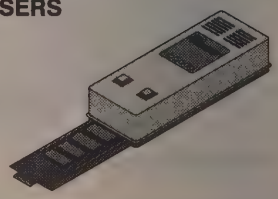
For quantities of 5 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
674—SUPERPRO-Z		Low Cost Advance Universal Programmer 40 Pin	249.00

XELTEK EPROM UV ERASERS

Features:

- Heavy duty construction, units may be stacked to save space
- Holds 9 Devices, deep drawer for processing loaded PC boards
- 60 minute timer, has safety interlock to prevent UV exposure
- Available in 110V or 220V, 8 Watt power consumption



For quantities of 5 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
674—LA6T-110V		EPROM Eraser holds 8 devices 110V	109.00
674—LA6T-220V		EPROM Eraser holds 8 devices 220V	109.00

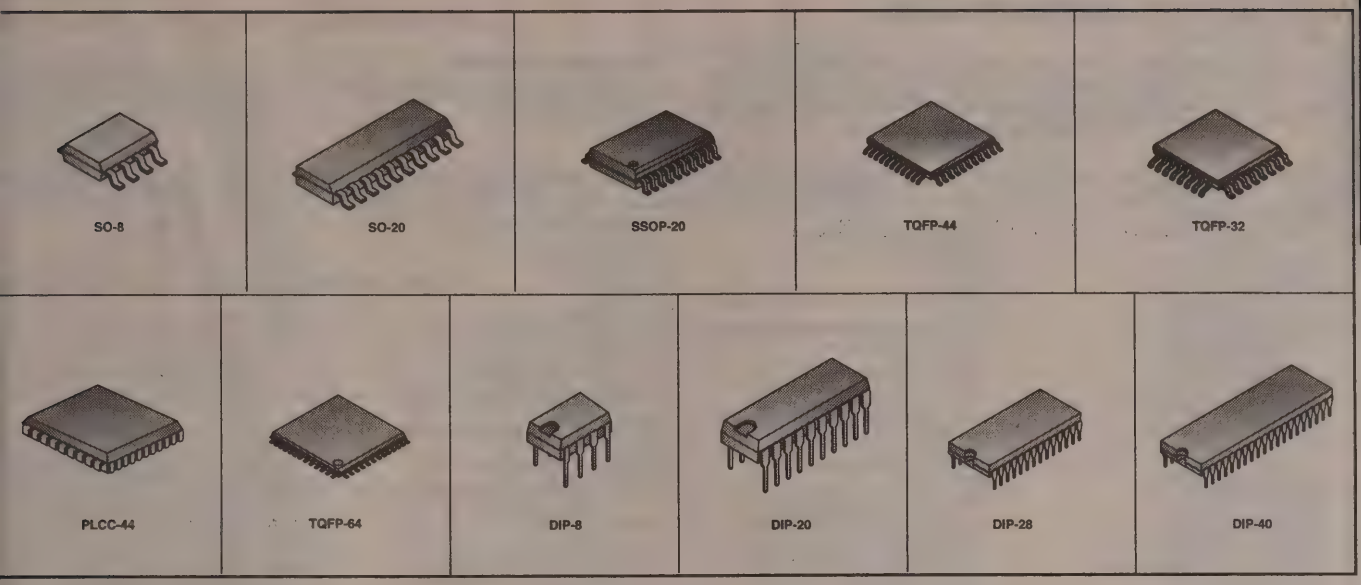
XELTEK ADAPTERS

For Superpro High Performance Universal IC Programmers

For quantities of 5 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
674—247A		TSOP 48/D48 Adapter for SUPERPRO 2000/680	175.00
674—244A		PLCC 44/D44 Adapter for SUPERPRO 2000/680	110.00
674—015A		PLCC 32/D32 Adapter for SUPERPRO 2000/680	95.00

ATMEL RISC Microcontrollers



ATMEL 8-BIT RISC MICROCONTROLLERS

Atmel's AVR microcontrollers have a RISC core running single cycle instructions and a well- defined I/O structure that limits the need for external components. Internal oscillators, timers, UART, SPI, pull-up resistors, pulse width modulation, ADC, analog comparator and watch dog timers are some of the features you will find in AVR devices. AVR instructions are tuned to decrease the size of the program whether the code is written in C or Assembly. With on-chip in-system programmable Flash and EEPROM, the AVR is a perfect choice in order to optimize cost and get product to the market quickly.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package Type	Memory			I/O Pins	A/D Inputs 10-Bit	Timers	Interrupts	Additional Features								Price Each	
			Flash	EEPROM	SRAM					WDT	Ana. Comp	HW Multi	SPI	RTC	UART	PWM	ISP	1	25
Surface Mount																			
556-ATTINY15L1SC	ATTiNY15L-1SC	SO-8	1K	64	-----	6	4	2x8	8	X	X	---	---	---	---	X	X	2.12	1.83
556-ATTINY15L1SI	ATTiNY15L-1SI	SO-8	1K	64	-----	6	4	2x8	8	X	X	---	---	---	---	X	X	2.28	2.27
556-AT90S120012SC	AT90S1200-12SC	SO-20	1K	64	-----	15	-----	1x8	3	X	X	---	---	---	---	---	X	2.68	2.05
556-AT90S120012YI	AT90S1200-12YI	SSOP-20	1K	64	-----	15	-----	1x8	3	X	X	---	---	---	---	---	X	3.30	2.54
556-AT90S12004SI	AT90S1200-4SI	SO-20	1K	64	-----	15	-----	1x8	3	X	X	---	---	---	---	---	X	3.00	2.30
556-AT90S12004YC	AT90S1200-4YC	SSOP-20	1K	64	-----	15	-----	1x8	3	X	X	---	---	---	---	---	X	3.24	2.48
556-AT90S1200A4YC	AT90S1200A-4YC	SSOP-20	1K	64	-----	15	-----	1x8	3	X	X	---	---	---	---	---	X	3.47	3.21
556-ATTINY12L4SI	ATTINY12L-4SI	SO-8	1K	64	-----	6	-----	1x8	5	X	X	---	---	---	---	---	X	1.71	1.50
556-ATTINY116SI	ATTINY11-6SI	SO-8	1K	----	-----	6	-----	1x8	4	X	X	---	---	---	---	---	X	.77	.76
556-AT90S231310SC	AT90S2313-10SC	SO-20	2K	128	128	15	-----	1x8 & 1x16	10	X	X	---	---	---	X	X	X	3.65	3.13
556-AT90S231310SI	AT90S2313-10SI	SO-20	2K	128	128	15	-----	1x8 & 1x16	10	X	X	---	---	---	X	X	X	3.90	3.63
556-AT90S23134SC	AT90S2313-4SC	SO-20	2K	128	128	15	-----	1x8 & 1x16	10	X	X	---	---	---	X	X	X	3.84	3.76
556-AT90S23134SI	AT90S2313-4SI	SO-20	2K	128	128	15	-----	1x8 & 1x16	10	X	X	---	---	---	X	X	X	4.10	3.45
556-AT90S232310SC	AT90S2323-10SC	SO-8	2K	128	128	3	-----	1x8	2	X	---	---	---	---	---	---	X	3.22	2.47
556-AT90S232310SI	AT90S2323-10SI	SO-8	2K	128	128	3	-----	1x8	2	X	---	---	---	---	---	---	X	3.45	2.65
556-AT90S234310SC	AT90S2343-10SC	SO-8	2K	128	128	4	-----	1x8	2	X	---	---	---	---	---	---	X	3.22	2.77
556-AT90S234310SI	AT90S2343-10SI	SO-8	2K	128	128	4	-----	1x8	2	X	---	---	---	---	---	---	X	3.69	3.38
556-AT90LS44334AC	AT90LS4433-4AC	TQFP-32	4K	256	128	20	6	1x8 & 1x16	14	X	X	---	X	---	X	X	X	5.93	5.34
556-AT90LS44334AI	AT90LS4433-4AI	TQFP-32	4K	256	128	20	6	1x8 & 1x16	14	X	X	---	X	---	X	X	X	7.15	6.44
556-AT90S85154AC	AT90S8515-4AC	TQFP-44	8K	512	512	32	-----	1x8 & 1x16	11	X	X	---	X	---	X	X	X	8.51	6.23
556-AT90S85154JC	AT90S8515-4JC	PLCC-44	8K	512	512	32	-----	1x8 & 1x16	11	X	X	---	X	---	X	X	X	8.51	6.07
556-AT90S85358AC	AT90S8535-8AC	TQFP-44	8K	512	512	32	8	2x8 & 1x16	15	X	X	---	X	X	X	X	X	8.81	6.51
556-AT90S85358JC	AT90S8535-8JC	PLCC-44	8K	512	512	32	8	2x8 & 1x16	15	X	X	---	X	X	X	X	X	7.08	7.07
556-ATMEGA163L4AC	ATMEGA163L-4AC	TQFP-44	16K	512	1K	32	8	2x8 & 1x16	17	X	X	X	X	X	X	X	X	12.07	8.71
556-ATMEGA1638AC	ATMEGA163-8AC	TQFP-44	16K	512	1K	32	8	2x8 & 1x16	17	X	X	X	X	X	X	X	X	10.99	8.99
556-ATMEGA1638AI	ATMEGA163-8AI	TQFP-44	16K	512	1K	32	8	2x8 & 1x16	17	X	X	X	X	X	X	X	X	11.05	10.37
556-ATMEGA128L8AI	ATMEGA128L-8AI	TQFP-64	128K	4K	4K	48	8	2x8 & 2x16	27	X	X	---	X	X	X	X	X	15.04	12.42
Thru-Hole																			
556-ATTINY15L1PC	ATTINY15L-1PC	DIP-8	1K	64	-----	6	4	2x8 & 1x16	8	X	X	---	---	---	---	X	X	2.23	2.07
556-AT90S12004PC	AT90S1200-4PC	DIP-20	1K	64	-----	15	-----	1x8	3	X	X	---	---	---	---	---	X	2.85	2.84
556-AT90S1200A12PC	AT90S1200A-12PC	DIP-20	1K	64	-----	15	-----	1x8	3	X	X	---	---	---	---	---	X	2.89	2.50
556-ATTINY116PC	ATTINY11-6PC	DIP-8	1K	----	-----	6	-----	1x8	4	X	X	---	---	---	---	---	X	.53	.51
556-AT90S232310PC	AT90S2323-10PC	DIP-8	2K	128	128	3	-----	1x8	2	X	---	---	---	---	---	---	X	3.22	2.96
556-ATTINY28L4PC	ATTINY28L-4PC	DIP-28	2K	----	-----	11	-----	1x8	5	X	X	---	---	---	---	---	---	1.60	1.50
556-AT90LS44334PC	AT90LS4433-4PC	DIP-28	4K	256	128	20	6	1x8 & 1x16	14	X	X	---	X	---	X	X	X	5.76	5.17
556-AT90LS44334PI	AT90LS4433-4PI	DIP-28	4K	256	128	20	6	1x8 & 1x16	14	X	X	---	X	---	X	X	X	6.15	5.53
556-AT90S85158PC	AT90S8515-8PC	DIP-40	8K	512	512	32	-----	1x8 & 1x16	11	X	X	---	X	---	X	X	X	8.51	5.82
556-AT90S8515A8PC	AT90S8515A-8PC	DIP-40	8K	512	512	32	-----	1x8 & 1x16	11	X	X	---	X	---	X	X	X	8.51	5.82
556-AT90S85358PC	AT90S8535-8PC	DIP-40	8K	512	512	32	8	2x8 & 1x16	15	X	X	---	X	X	X	X	X	8.81	6.37
556-AT90S85358PI	AT90S8535-8PI	DIP-40	8K	512	512	32	8	2x8 & 1x16	15	X	X	---	X	X	X	X	X	8.81	6.81

FAIRCHILD ACE Microcontrollers

FAIRCHILD SEMICONDUCTOR

FAIRCHILD ACEX™ MICROCONTROLLERS

ACEx™ is a family of Arithmetic Control Engine products, primarily intended for battery-powered applications. Operating voltages range down to 1.8V, while standby current consumptions is only 100nA at 3.3V. For portable, battery-powered systems, where minimizing PCB space is of paramount importance, the miniaturized TSSOP-8 package is ideal. ACEx™ Microcontroller family members include powerful on-chip peripherals: multifunction 16-Bit timer, 10-Bit ADC/DAC converter and hardware bit coder.

User Programmable Options:

- Upper Disable Block (Protect Data EEPROM Last 32 bytes)
- Clock Mode: Internal, External Clock, External RC, External Crystal or Resonator
- Brownout Enable
- Read Disable Bit
- Write Disable Bit
- Clock Timing

ACE1001

- Arithmetic Controller Engine
- 1K bytes on-board code EEPROM
- 64 bytes data EEPROM
- 64 bytes RAM
- Watchdog
- Multi-input wake-up 3 I/O pins
- 8-bit Timer1 with PWM output
- On-chip oscillator
  - -No external components
  - -1μs instruction cycle time
- On-chip Power-on Reset
- Brown-out Reset
- Programmable read and write disable functions
- Memory mapped I/O
- Multilevel Low Voltage Detection
- Fully static CMOS
  - -Low power HALT mode (100nA @ 3.3V)
  - -Power saving IDLE mode
- Single supply operation
  - -1.8 - 5.5V (ACE1001L)
  - -2.2 - 5.5V (ACE1001)
- Software selectable I/O options
  - -Push-pull outputs with tri-state option
  - -Weak pull-up or high impedance inputs
- 40 years data retention
- 1,000,000 writes

ACE1502

- Arithmetic Controller Engine
- 2K bytes on-board code EEPROM
- 64 bytes data EEPROM
- 64 bytes RAM
- Watchdog
- Multi-input wake-up on all eight general purpose I/O pins
- 16-bit multifunction timer with difference capture
- Hardware Bit-Coder (HBC)
- On-chip oscillator
  - -No external components
  - -1μs instruction cycle time ±2% accuracy
- Instruction set geared for block encryption
- On-chip Power-on Reset
- Programmable read & write disable functions
- Memory mapped I/O
- 32-level Low Voltage Detection
- Brown-out Reset
- Software selectable I/O option
  - -Push-pull outputs with tri-state option
  - -Weak pull-up or high impedance inputs
- Fully static CMOS
  - -Low power HALT mode (250nA @ 3.6V)
  - -Power saving IDLE mode
- Single supply operation
  - -1.8-3.6V
- 40 years data retention
- 1.8V data EEPROM min writing voltage
- 1,000,000 data changes
- In-circuit programming

ACE8000

- Arithmetic Controller Engine
- 1K bytes on-board code EEPROM
- 64 bytes data EEPROM
- Fast Startup (<10μS)
- 64 bytes RAM
- Watchdog
- Multi-input wake-up 3 I/O pins
- 8-bit Timer1 with PWM output
- On-chip oscillator
  - -No external components
  - -1μs instruction cycle time
- On-chip Power-on Reset
  - -External Reset pin option (ACE8000)
- Brown-out Reset
- Programmable read and write disable functions
- Memory mapped I/O
- Multilevel Low Voltage Detection
- Fully static CMOS
  - -Low power HALT mode (100nA @ 3.3V)
  - -Power saving IDLE mode
- Single supply operation
  - -2.2 - 5.5V
- Software selectable I/O options
  - -Push-pull outputs with tri-state option
  - -Weak pull-up or high impedance inputs
- 40 years data retention
- 1,000,000 writes

ACE8001

- Arithmetic Controller Engine
- 1K bytes on-board code EEPROM
- 64 bytes data EEPROM
- Fast Startup (<10μS)
- 64 bytes RAM
- Watchdog
- Multi-input wake-up 3 I/O pins
- 8-bit Timer1 with PWM output
- On-chip oscillator
  - -No external components
  - -1μs instruction cycle time
- On-chip Power-on Reset
  - -External Reset pin option (ACE8000)
- Brown-out Reset
- Programmable read and write disable functions
- Memory mapped I/O
- Multilevel Low Voltage Detection
- Fully static CMOS
  - -Low power HALT mode (100nA @ 3.3V)
  - -Power saving IDLE mode
- Single supply operation
  - -2.2 - 5.5V
- Software selectable I/O options
  - -Push-pull outputs with tri-state option
  - -Weak pull-up or high impedance inputs
- 40 years data retention
- 1,000,000 writes

Block & Connection Diagrams

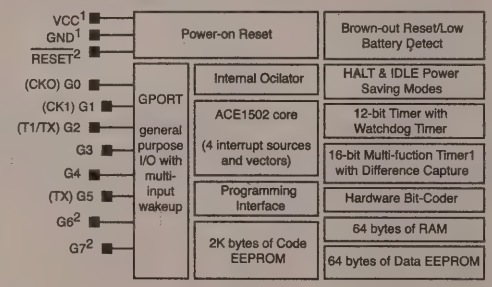
ACE1502:

- (1) 100nf decoupling capacitor recommended
- (2) Available only in the 14-pin package option

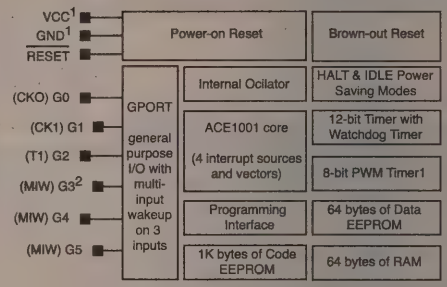
ACE1001 & ACE8000/8001:

- (1) 100nf decoupling capacitor recommended
- (2) Input only

ACE1502



ACE1001 & ACE8000/8001



♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	RAM Data Size bytes	EE Code Size Kbytes	EE Data Size bytes	Brown Out	VCC (min) V	VCC (max) V	VCC (max) V	Price Each 1	25	100	250
♦ 512-ACE1001EM8	ACE1001EM8	SOIC-8	64	1	64	Yes	1.8	5.5	6	2.08	1.66	1.41	1.16
♦ 512-ACE1001EMT8	ACE1001EMT8	TSSOP-8	64	1	64	Yes	1.8	5.5	6	2.15	1.72	1.46	1.21
512-ACE1001EN	ACE1001EN	DIP-8	64	1	64	Yes	1.8	5.5	6	1.98	1.58	1.34	1.11
♦ 512-ACE1001LM8	ACE1001LM8	SOIC-8	64	1	64	Yes	1.8	5.5	6	2.08	1.66	1.41	1.16
♦ 512-ACE1001LMT8	ACE1001LMT8	TSSOP-8	64	1	64	Yes	1.8	5.5	6	2.15	1.72	1.47	1.20
♦ 512-ACE1001M8	ACE1001M8	SOIC-8	64	1	64	Yes	1.8	5.5	6	1.98	1.58	1.34	1.10
♦ 512-ACE1001MT8	ACE1001MT8	TSSOP-8	64	1	64	Yes	1.8	5.5	6	2.03	1.62	1.38	1.14
♦ 512-ACE1502EM	ACE1502EM	SOIC-14	64	2	64	Yes	1.8	3.6	8	2.45	1.96	1.67	1.37
♦ 512-ACE1502EM8	ACE1502EM8	SOIC-8	64	2	64	Yes	1.8	3.6	8	2.33	1.86	1.59	1.30
♦ 512-ACE1502EMT	ACE1502EMT	TSSOP-14	64	2	64	Yes	1.8	3.6	8	2.45	1.96	1.67	1.37
♦ 512-ACE1502EMT8	ACE1502EMT8	TSSOP-8	64	2	64	Yes	1.8	3.6	8	2.50	2.00	1.70	1.40
512-ACE1502EN	ACE1502EN	DIP-8	64	2	64	Yes	1.8	3.6	8	2.38	1.90	1.62	1.33
512-ACE1502EN14	ACE1502EN14	DIP-14	64	2	64	Yes	1.8	3.6	8	2.45	1.96	1.67	1.37
♦ 512-ACE1502VM	ACE1502VM	SOIC-14	64	2	64	Yes	1.8	3.6	8	2.95	2.36	2.01	1.65
♦ 512-ACE1502VM8	ACE1502VM8	SOIC-8	64	2	64	Yes	1.8	3.6	8	2.75	2.20	1.87	1.54
♦ 512-ACE1502VMT	ACE1502VMT	TSSOP-14	64	2	64	Yes	1.8	3.6	8	2.95	2.36	2.01	1.65
♦ 512-ACE1502VMT8	ACE1502VMT8	TSSOP-8	64	2	64	Yes	1.8	3.6	8	2.95	2.36	2.01	1.65
512-ACE1502VN	ACE1502VN	DIP-8	64	2	64	Yes	1.8	3.6	8	2.85	2.28	1.94	1.59
512-ACE1502VN14	ACE1502VN14	DIP-14	64	2	64	Yes	1.8	3.6	8	2.95	2.36	2.01	1.65
♦ 512-ACE8000EM8	ACE8000EM8	SOIC-8	64	1	64	Yes	2.2	5.5	6	1.85	1.48	1.26	1.04
♦ 512-ACE8000M8	ACE8000M8	SOIC-8	64	1	64	Yes	2.2	5.5	6	1.75	1.40	1.19	.98
♦ 512-ACE8001EM8	ACE8001EM8	SOIC-8	64	1	64	Yes	2.2	5.5	6	2.43	1.94	1.65	1.36
♦ 512-ACE8001EMT8	ACE8001EMT8	TSSOP-8	64	1	64	Yes	2.2	5.5	6	2.48	1.98	1.68	1.39
♦ 512-ACE8001M8	ACE8001M8	SOIC-8	64	1	64	Yes	2.2	5.5	6	2.30	1.84	1.56	1.29
♦ 512-ACE8001MT8	ACE8001MT8	TSSOP-8	64	1	64	Yes	2.2	5.5	6	2.35	1.88	1.60	1.32

FAIRCHILD DEVELOPMENT TOOLS FOR ACEX™ MICROCONTROLLERS

ACEx™ In Circuit Emulator Kits include:

- ACEx™ In Circuit Emulator Board
- Guide to Developer Tools
- ACEx™ Cross Assembler
- ACEx™ Emulator/Simulator Software
- ACEx™ Programmer
- ACEx™ Datasheets for ACE1101 and ACE1202
- Engineering Samples

MOUSER STOCK NO.	Fairchild Part No.	Description	Price Each
512-ACEDEMO	ACEDEMO	ACEx Prototype Board	62.00
512-ACEICE2	ACEICE2	In Circuit Emulator Kit (110 VAC)	96.00
512-ACEICE2EU	ACEICE2EU	In Circuit Emulator Kit (220 VAC)	96.00

MOUSER a tti company

FREESCALE Microprocessors

freescale™ semiconductor

INTEGRATED COLDFIRE® MICROPROCESSOR

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency (Max)(MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each		
							1	25	100
814-MCF5206FT25A	MCF5206FT25A	A	QFP-160	25	5	13	24.39	19.13	18.02
814-MCF5206FT33A	MCF5206FT33A	A	QFP-160	33	5	17	27.73	21.75	20.49
814-MCF5272VF66	MCF5272VF66	B	MAPBGA-196	66	3.3	63	19.06	15.25	14.16
814-MCF5272CVF66	MCF5272CVF66	B	MAPBGA-160	66	1.8/3.3	63	21.77	17.42	16.17
814-MCF5249VF140	MCF5249VF140	B	MAPBGA-160	140	3.3	125	18.76	15.01	13.94

MPC8245 INTEGRATED HOST PROCESSOR

The MPC8245 Integrated Host Processor fits applications where cost, space, power consumption and performance are critical requirements. This device provides a high level of integration, reducing chip count from five discrete chips to one, thereby significantly reducing system component cost. High integration results in a simplified board design, less power consumption and a faster-time-to-market solution. This cost-effective, general purpose integrated processor targets systems using PCI interfaces in networking infrastructure, telecommunications, and other embedded markets. It can be used for control processing in applications such as routers, switches, network storage applications and image display systems.

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency (Max)(MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each		
							1	25	100
841-MPC8245TZU266D	MPC8245TZU266D	C	TBGA 352	266	3.3	505.4	66.84	60.76	56.42
841-MPC8245LZU266D	MPC8245LZU266D	C	TBGA 352	266	3.3	505.4	51.41	46.73	43.39
841-MPC8245LVV266D	MPC8245LVV266D	C	TBGA 352	266	3.3	505.4	51.41	46.73	43.39
841-MPC8245TZU300D	MPC8245TZU300D	C	TBGA 352	300	3.3	570	79.48	72.25	67.09
841-MPC8245LZU300D	MPC8245LZU300D	C	TBGA 352	300	3.3	570	61.14	55.58	51.61
841-MPC8245TZU333D	MPC8245TZU333D	C	TBGA 352	333	3.3	632.7	84.04	76.40	70.94
841-MPC8245LZU333D	MPC8245LZU333D	C	TBGA 352	333	3.3	632.7	64.65	58.77	54.57
841-MPC8245TZU350D	MPC8245TZU350D	C	TBGA 352	350	3.3	665	98.96	89.96	83.54
841-MPC8245LZU350D	MPC8245LZU350D	C	TBGA 352	350	3.3	665	76.12	69.20	64.26

MPC8241 INTEGRATED HOST PROCESSOR

The MPC8241 Integrated Host Processor fits applications where cost, space, power consumption and performance are critical requirements. This device provides a high level of integration, reducing chip count from five discrete chips to one, thereby significantly reducing system component cost. High integration results in a simplified board design, less power consumption and a faster-time-to-market solution. This cost-effective, general purpose integrated processor targets systems using PCI interfaces in networking infrastructure, telecommunications, and other embedded markets. It can be used for control processing in applications such as routers, switches, network storage applications and image display systems.

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency (Max)(MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each		
							1	25	100
841-MPC8241TZQ166D	MPC8241TZQ166D	C	TBGA 352	166	3.3	315.4	30.28	27.52	25.56
841-MPC8241LZQ166D	MPC8241LZQ166D	C	TBGA 352	166	3.3	315.4	23.28	21.17	19.66
841-MPC8241TZQ200D	MPC8241TZQ200D	C	TBGA 352	200	3.3	380	34.13	31.02	28.81
841-MPC8241LZQ200D	MPC8241LZQ200D	C	TBGA 352	200	3.3	380	26.24	23.86	22.15
841-MPC8241LZQ266D	MPC8241LZQ266D	C	TBGA 352	266	3.3	266	33.06	30.06	27.91

32-BIT EMBEDDED PROCESSORS

The MPC5200 is based on a 400 MHz MPC603e PowerPC core with an integrated double precision Floating Point Unit (FPU) that is qualified at -40 to 85 degrees C. The MPC5200 was designed for fast data throughput and processing. The integrated BestComm DMA controller offloads the main MPC603e core from I/O intensive data transfers. An integrated Double Data Rate (DDR) memory controller accelerates data access with an effective memory bus speed of 266 MHz. A high-speed PCI interface backed by the BestComm DMA controller and DDR memory support enables high-speed data transfers in and out of the MPC5200. The MPC5200 is manufactured in 0.13 micron technology.

For quantities 250 and up, call for quote.

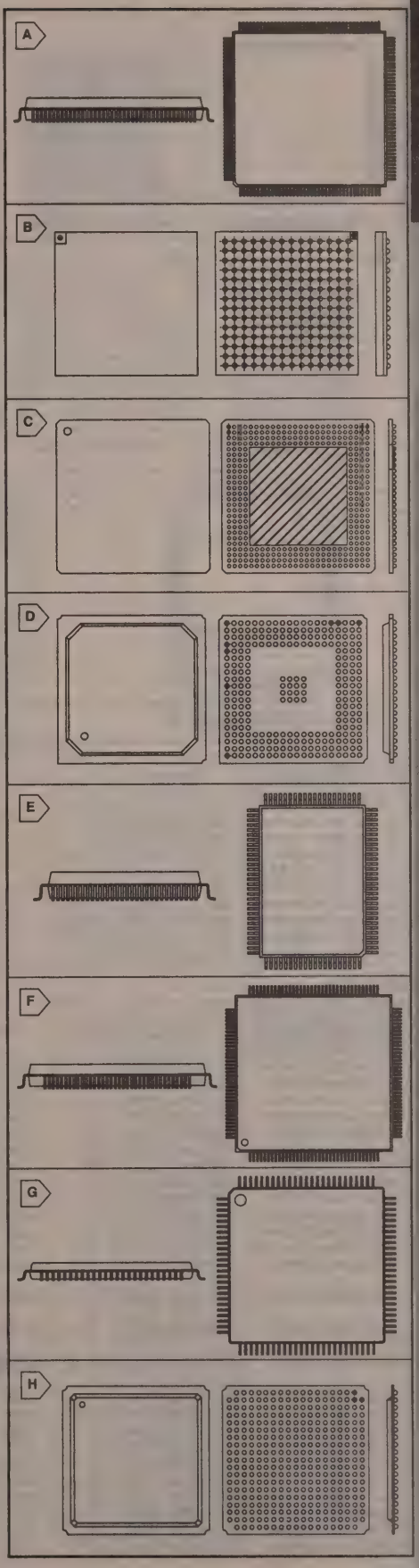
MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency (Max)(MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each		
							1	25	100
841-MPC5200CBV266	MPC5200CBV266	D	TBGA 272	266	3.3	760	47.92	43.57	40.46
841-MPC5200CBV400	MPC5200CBV400	D	TBGA 272	400	3.3	760	52.11	47.38	43.99
841-MPC5200BV400	MPC5200BV400	D	TBGA 272	400	3.3	760	51.34	46.68	43.34

MC68360 QUAD INTEGRATED COMMUNICATION CONTROLLER

The MC68360 Quad Integrated Communication Controller is a versatile one-chip integrated microprocessor and peripheral combination family that can be used in a variety of controller applications. The MC68360 particularly excels in communications activities. The QUICC can be described as a next-generation MC68302, with higher performance in all areas of device operation, increased flexibility, and higher integration. The term "quad" comes from the fact that there are four serial communications controllers (SCCs) on the device. However, there are actually seven serial channels which include four SCCs, two serial management controllers (SMCs), and one serial peripheral interface (SPI).

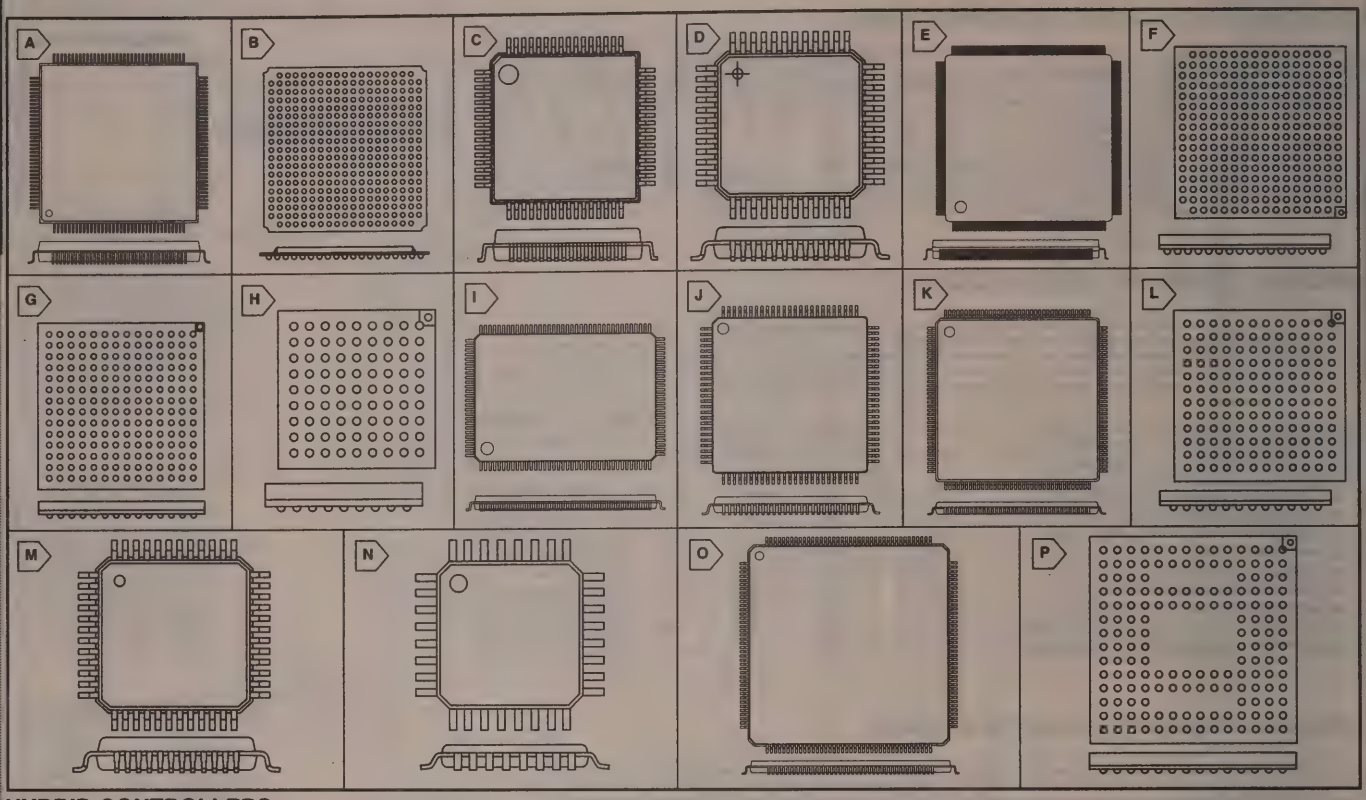
For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency (Max)(MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each		
							1	25	100
841-MC68EC020FG16	MC68EC020FG16	E	WFP 100	16	5	10	33.60	23.52	20.16
841-MC68340FT16E	MC68340FT16E	F	QFP 144	16	5	4.8	36.98	25.88	22.19
814-MC68LC302PU20C	MC68LC302PU20CT	G	LQFP 100	20	5	2	27.09	19.74	18.38
841-MC68EN360ZP25V	MC68EN360ZP25VL	H	PBGA 357	25	5	8.3	82.08	75.04	65.66
841-MC68340FT25E	MC68340FT25E	F	QFP 144	25	5	4.8	35.19	32.18	28.15
814-MC68LC302PU25C	MC68LC302PU25CT	G	LQFP 100	25	5	2.5	31.74	22.22	21.42



FREESCALE Hybrid Controllers and DSP's

freescale™ semiconductor



HYBRID CONTROLLERS

The 56800E core-based family of Hybrid Controllers combines the processing power of a DSP and the functionality of a microcontroller.

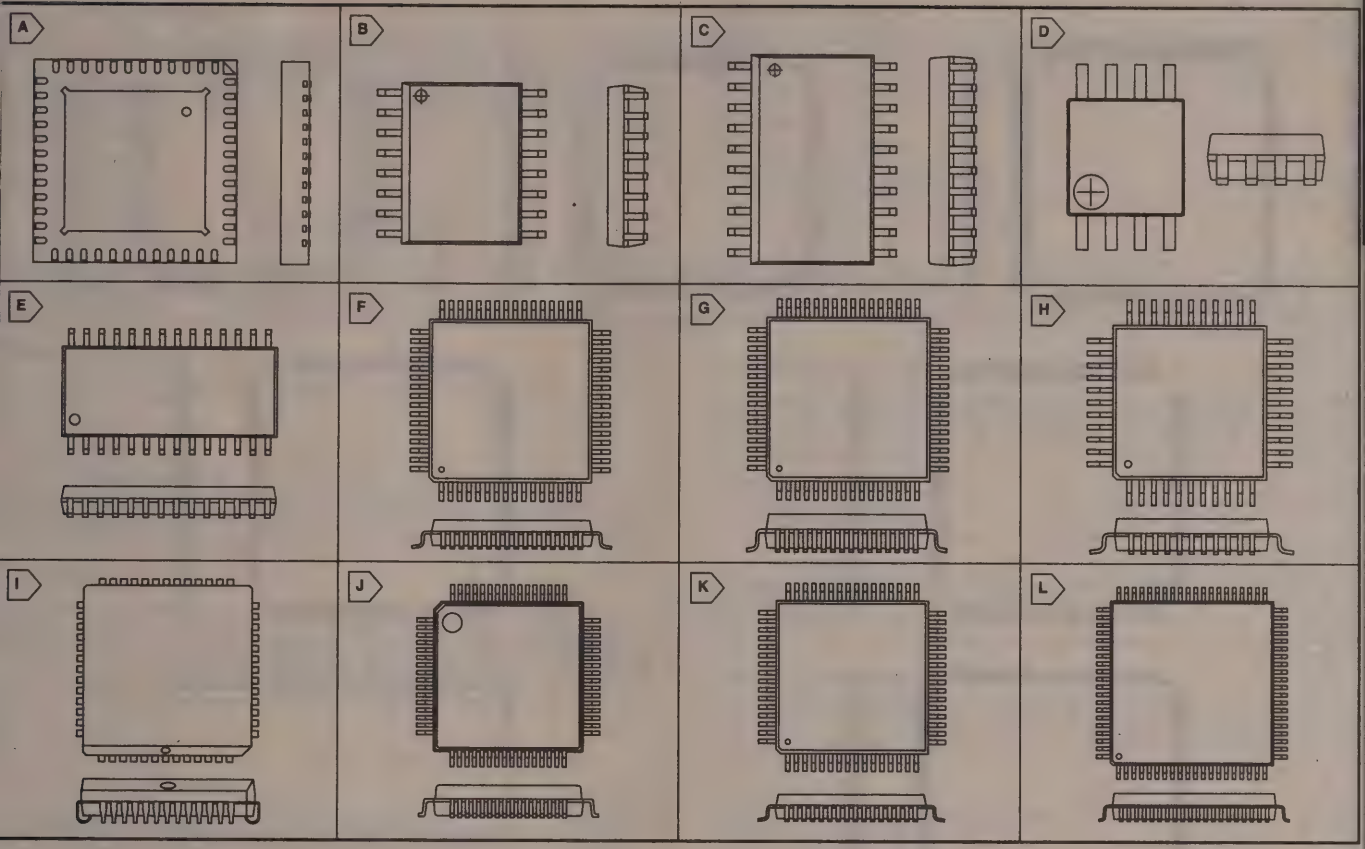
For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Voltage Max (V)	Internal BootFLASH (kByte)	Core Performance DSP (MMACS)	Device Speed Max (MHz)	Price Each		
								1	25	100
841-MC56F8356VFV60	MC56F8356VFV60	A	LQFP 144	3.3	16	60	60	41.08	28.75	24.65
841-MC56F8346VFV60	MC56F8346VFV60	A	LQFP 144	3.3	8	60	60	40.09	24.42	20.95
841-MC56F8346MFV60	MC56F8346MFV60	A	LQFP 144	3.3	8	60	60	36.40	25.48	21.84
841-MC56F8345VFG60	MC56F8345VFG60	B	LQFP 128	3.3	8	60	60	33.53	23.47	20.12
841-MC56F8345MFG60	MC56F8345MFG60	B	LQFP 128	3.3	8	60	60	35.20	24.64	21.12
841-MC56F8323VFB60	MC56F8323VFB60	B	LQFP 128	3.3	8	60	60	23.20	16.34	14.02
841-MC56F8323MFB60	MC56F8323MFB60	C	LQFP 64	3.3	8	60	60	24.35	17.05	14.61
841-MC56F8322VFA60	MC56F8322VFA60	D	LQFP 48	3.3	8	60	60	22.25	15.58	13.35
841-MC56F8322MFA60	MC56F8322MFA60	D	LQFP 48	3.3	8	60	60	23.35	16.35	14.01

DSP ICs

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Performance	Voltage (V)	Internal Memory (byte)	Program RAM	FLASH	Data RAM	Boot		Price Each		
										FLASH	ROM	1	25	100
841-DSP56301PW100	DSP56301PW100	E	TQFP-208	100Mhz/100MMACS	3.3	24K	-	-	-	-	-	59.48	47.59	44.19
841-DSP56301VF100	DSP56301VF100	F	MAPBGA-252	100Mhz/100MMACS	3.3	24K	-	-	-	-	-	59.48	47.59	44.19
841-DSP56303VF100	DSP56303VF100	G	MAPBGA-196	100Mhz/100MMACS	3.3	24K	-	-	-	-	-	30.00	24.00	22.28
841-DSP56852VF120	DSP56852VF120	H	MAPBGA-81	120Mhz/120MIPS	3.3	-	6K	-	4K	-	1K	8.17	6.54	6.07
841-DSP56853FG120	DSP56853FG120	I	LQFP-128	120Mhz/120MIPS	3.3	-	12K	-	4K	-	1K	11.45	9.16	8.50
841-DSP56854FG120	DSP56854FG120	I	LQFP-128	120Mhz/120MIPS	3.3	-	16K	-	16K	-	1K	12.41	9.93	9.22
841-DSP56855BU120	DSP56855BU120	J	LQFP-100	120Mhz/120MIPS	3.3	-	24K	-	24K	-	1K	13.35	10.68	9.92
841-DSP56857BU120	DSP56857BU120	J	LQFP-100	120Mhz/120MIPS	3.3	-	40K	-	24K	-	1K	14.37	11.49	10.67
841-DSP56858FV120	DSP56858FV120	K	LQFP-144	120Mhz/120MIPS	3.3	-	40K	-	24K	-	1K	15.14	12.11	11.25
841-DSP56858VF120	DSP56858VF120	L	MAPBGA-144	120Mhz/120MIPS	3.3	-	40K	-	24K	-	1K	16.36	13.09	12.16
841-DSPB56367PV150	DSPB56367PV150	K	LQFP-144	150Mhz/ 150MIPS	3.3	-	3K	-	13K+7K	-	-	16.63	13.30	12.35
841-DSPB56367AG150	DSPB56367AG150	K	LQFP-144	150Mhz/150MIPS	3.3	-	3K	-	13K+7K	-	-	16.63	13.30	12.35
841-DSP56311VF150	DSP56311VF150	G	MAPBGA-196	150Mhz/300MMACS/ 150Mhz EFCOP	3.3	384K	-	-	-	-	-	58.33	46.66	43.33
841-DSP56321VF220	DSP56321VF220	G	MAPBGA-196	220Mhz/440MMACS/ 220Mhz EFCOP	3.3	576K	-	-	-	-	-	79.89	63.91	59.35
841-DSP56321VF240	DSP56321VF240	G	MAPBGA-196	240Mhz/480MMACS/ 240Mhz EFCOP	3.3	576K	-	-	-	-	-	84.33	67.47	62.65
841-DSP56321VF275	DSP56321VF275	G	MAPBGA-196	275Mhz/550MMACS/ 275Mhz EFCOP	3.3	576K	-	-	-	-	-	89.29	71.43	66.33
841-DSP56F801FA60	DSP56F801FA60	M	LQFP-48	60Mhz/30MIPS	3.3	-	1K	8K	1K	2K	-	6.02	4.82	4.47
841-DSP56F802TA60	DSP56F802TA60	N	LQFP-32	60Mhz/30MIPS	3.3	-	1K	8K	1K	2K	-	5.23	4.19	3.89
841-DSP56F801FA80	DSP56F801FA80	M	LQFP-48	80Mhz/ 40MIPS	3.3	-	1K	8K	1K	2K	-	10.41	8.33	7.74
841-DSP56F803BU80	DSP56F803BU80	J	LQFP-100	80Mhz/ 40MIPS	3.3	-	512K	32K	2K	4K	-	16.80	13.44	12.48
841-DSP56F805FV80	DSP56F805FV80	K	LQFP-144	80Mhz/ 40MIPS	3.3	-	512K	32K	2K	4K	-	17.69	14.15	13.14
841-DSP56F807PY80	DSP56F807PY80	O	LQFP-160	80Mhz/ 40MIPS	3.3	-	2K	60K	4K	8K	-	21.04	16.83	15.63
841-DSP56F807VF80	DSP56F807VF80	P	MAPBGA-160	80Mhz/ 40MIPS	3.3	-	2K	60K	4K	8K	-	24.05	19.24	17.86
841-DSP56F826BU80	DSP56F826BU80	J	LQFP-100	80Mhz/ 40MIPS	3.3	-	512K	32K	4K	2K	-	15.63	12.50	11.61
841-DSP56F827FG80	DSP56F827FG80	I	LQFP-128	80Mhz/ 40MIPS	3.3	-	1K	64K	4K	4K	-	19.44	15.55	14.44
841-DSP56301PW80	DSP56301PW80	E	TQFP-208	80Mhz/80MMACS	3.3	24K	-	-	-	-	-	56.16	44.93	41.72



MICROCONTROLLERS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Internal RAM (Byte)	FLASH (Byte)	EEPROM (Byte)	Serial Interface Type	Timer Channels	Bus Frequency (MHz)(Max)	Supply Voltage (V)(Typ)	I/O Pins	Temp. Range	Price Each		
													1	25	100
8-Bit															
841-MC9S08GT32CFD	MC9S08GT32CFD	A	QFN 48	2	32K	-	2 SCI, SPI, I2C	2	20	3.6	36	-40°C to 85°C	6.91	5.53	5.33
841-MC9S08GT60CFD	MC9S08GT60CFD	A	QFN 48	4	60k	-	2 SCI, SPI, I2C	2	20	3.6	36	-40°C to 85°C	7.78	7.07	6.82
841-MC68HC705KJ1CD	MC68HC705KJ1CDW	B	SOIC 16	64	1.2k OTP	-	-	MFT, RTI	4	3.5, 5	10	-40°C to 85°C	2.17	1.37	1.23
841-MC68HRC98JK3EC	MC68HRC98JK3ECDW	C	SOIC-20	128	4k	-	-	2	8	5	15	-40°C to 105°C	3.30	2.31	2.23
841-MC68HRC98JK1EC	MC68HRC98JK1ECDW	C	SOIC-20	128	1.5	-	-	2	8	5	15	-40°C to 105°C	2.50	1.75	1.69
841-MC68HC908QY4VD	MC68HC908QY4VDW	B	SOIC 16	128	4k	-	-	2	8	5	14	-40°C to 105°C	2.54	2.03	1.84
841-MC68HC908QY4MD	MC68HC908QY4MDW	B	SOIC 16	128	4k	-	-	2	8	5	14	-40°C to 125°C	2.66	2.13	1.93
841-MC68HC908QY4CD	MC68HC908QY4CDW	B	SOIC 16	128	4k	-	-	2	8	5	14	-40°C to 85°C	3.03	1.94	1.75
841-MC68HC908QY2MD	MC68HC908QY2MDW	B	SOIC 16	128	1.5k	-	-	2	8	5	14	-40°C to 125°C	2.04	1.63	1.48
841-MC68HC908QY2CD	MC68HC908QY2CDW	B	SOIC 16	128	1.5k	-	-	2	8	5	14	-40°C to 85°C	2.69	1.64	1.41
841-MC68HC908QY2CD	MC68HC908QY2CDT	B	SOIC 16	128	1.5k	-	-	2	8	5	14	-40°C to 85°C	2.86	1.74	1.51
841-MC68HC908QY1VD	MC68HC908QY1VDW	B	SOIC 16	128	1.5k	-	-	2	8	5	14	-40°C to 105°C	2.08	1.45	1.25
841-MC68HC908QY1MD	MC68HC908QY1MDW	B	SOIC 16	128	1.5k	-	-	2	8	5	14	-40°C to 125°C	2.18	1.52	1.31
841-MC68HC908QY1MD	MC68HC908QY1MDT	B	SOIC 16	128	1.5k	-	-	2	8	5	14	-40°C to 125°C	2.43	1.70	1.46
841-MC68HC908QY1CD	MC68HC908QY1CDW	B	SOIC 16	128	1.5k	-	-	2	8	5	14	-40°C to 85°C	2.28	1.39	1.20
841-MC68HC908QY1CD	MC68HC908QY1CDT	B	SOIC 16	128	1.5k	-	-	2	8	5	14	-40°C to 85°C	2.54	1.55	1.34
841-MC68HC908QT4VD	MC68HC908QT4VDW	D	SOIC 8	128	4k	-	-	2	8	5	6	-40°C to 105°C	2.60	1.82	1.56
841-MC68HC908QT4CD	MC68HC908QT4CDW	D	SOIC 8	128	4k	-	-	2	8	5	6	-40°C to 85°C	2.86	1.74	1.51
841-MC68HC908QT2CD	MC68HC908QT2CDW	D	SOIC 8	128	1.5k	-	-	2	8	5	6	-40°C to 85°C	2.43	1.48	1.28
841-MC68HC908QT1VD	MC68HC908QT1VDW	D	SOIC 8	128	1.5k	-	-	2	8	5	6	-40°C to 105°C	1.85	1.30	1.11
841-MC68HC908QT1CD	MC68HC908QT1CDW	D	SOIC 8	128	1.5k	-	-	2	8	5	6	-40°C to 85°C	2.02	1.23	1.07
841-MC68HC908JL3EC	MC68HC908JL3ECDW	E	SOIC 28	128	4k	-	-	2	8	5	23	-40°C to 85°C	5.25	3.19	3.05
841-MC68HC908JK3EC	MC68HC908JK3ECDW	C	SOIC 20	128	4k	-	-	2	8	5	15	-40°C to 85°C	4.13	2.65	2.39
841-MC68HC908JK1EC	MC68HC908JK1ECDW	C	SOIC 20	128	1.5k	-	-	2	8	5	15	-40°C to 85°C	3.13	2.01	1.81
841-MC68HC705P6ACD	MC68HC705P6ACDW	E	SOIC 28	176	4.5k OTP	-	SIOP	1	2.1	3.3, 5	21	-40°C to 85°C	4.20	2.88	2.65
841-MC68HC908JB8JD	MC68HC908JB8JDW	E	SOIC 28	256	8k	-	USB	2	3	5	37	0°C to 85°C	5.52	3.95	3.59
841-MC68HC908JB8AD	MC68HC908JB8ADW	E	SOIC 28	256	8k	-	USB	2	3	5	37	0°C to 85°C	5.48	3.88	3.58
841-MC68HC908GR8CD	MC68HC908GR8CDW	E	SOIC 28	384	7k	-	SCI, SPI	2	8	3.3, 5	21	-40°C to 85°C	7.01	5.01	4.55
841-MC68HC908LJ12C	MC68HC908LJ12CFU	F	QFP 64	512	12k	-	SCI, SPI	2	8	5	32	-40°C to 85°C	8.85	6.04	5.75
841-MC68HC908LJ12C	MC68HC908LJ12CFB	G	LQFP 52	512	12k	-	SCI, SPI	2	8	5	32	-40°C to 85°C	10.43	7.30	6.26
841-MC68HC908GT8CF	MC68HC908GT8CFB	H	LQFP 44	512	8k	-	SCI, SPI	2	8	5	36	-40°C to 85°C	7.43	5.31	4.83
841-MC68HC11E1CFN3	MC68HC11E1CFN3	I	PLCC 52	512	-	512	SCI, SPI	8	3	3, 5	22	-40°C to 85°C	9.77	7.31	6.83
841-MC68HC908LK24C	MC68HC908LK24CPB	J	LQFP-64	768	24k	-	IrSCI, SPI, I2C	2	8	5	48	-40°C to 85°C	11.50	8.05	6.90
841-MC68HC908LK24C	MC68HC908LK24CFU	K	QFN 64	768	24k	-	IrSCI, SPI, I2C	2	8	5	48	-40°C to 85°C	11.50	8.05	6.90
841-MC68HC908LK24C	MC68HC908LK24CFQ	L	QFP-80	768	24k	-	IrSCI, SPI, I2C	2	8	5	48	-40°C to 85°C	12.25	8.58	7.35
841-MC68HC908LJ24C	MC68HC908LJ24CPB	J	LQFP 64	768	24k	-	SCI, I2C, SPI	2	8	5	48	-40°C to 85°C	12.25	8.58	7.35

FREESCALE MCUs

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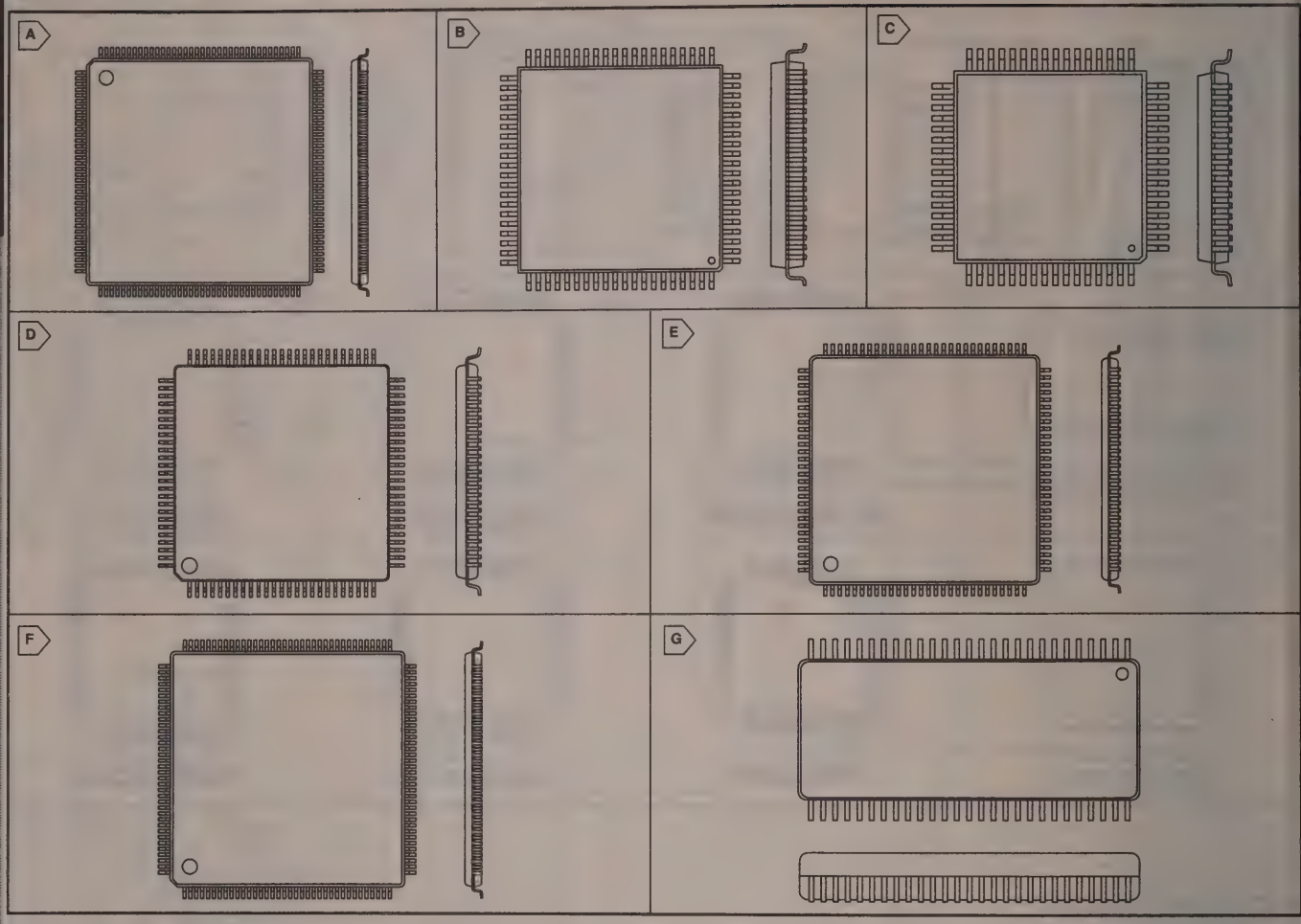

MICROCONTROLLERS (CON'T)

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Internal RAM (Byte)	FLASH (Byte)	EEPROM (Byte)	Serial Interface Type	Timer Channels	Bus Frequency (MHz)(Max)	Supply Voltage (V)(Typ)	I/O Pins	Temp. Range	Price Each 1	25	100
16-Bit															
841-MC68CK16Z1CV16	MC68CK16Z1CPV16	A	LQFP 144	1k	-	-	QSPI, SCI	2	16	3.3	16	-40°C to 85°C	21.63	15.14	12.98
841-MC912D60ACFU8	MC912D60ACFU8	B	QFP-80	2k	60k	1k	2 SCI, CAN, SPI	8	8	5	66	-40°C to 85°C	17.71	13.40	12.35
841-MC908AZ32AVFU	MC908AZ32AVFU	C	QFN 64	2k	60k	1k	SCI, CAN, SPI	6	8.4	5	50	-40°C to 105°C	10.94	8.75	8.44
841-MC908AZ32AMFU	MC908AZ32AMFU	C	QFN 64	2k	60k	1k	SCI, CAN, SPI	6	8.4	5	50	-40°C to 125°C	11.46	9.17	8.84
841-MC908AZ32ACFU	MC908AZ32ACFU	C	QFN 64	2k	60k	1k	SCI, CAN, SPI	6	8.4	5	50	-40°C to 85°C	10.41	8.33	8.03
841-MC9S12UF32PU	MC9S12UF32PU	D	LQFP 100	3k	32K		SCI, USB 2.0,	8	30	5	75	-40°C to 85°C	7.88	6.30	5.85
841-MC9S12E64CPV	MC9S12E64CPV	E	LQFP 112	4K	64K	-	SCI, I2C, SPI	4	16	2.5V	90	-40°C to 85°C	11.73	9.38	8.71
841-MC9S12E64CFU	MC9S12E64CFU	B	QFP-80	4K	64K	-	SCI, I2C, SPI	4	16	2.5V	90	-40°C to 85°C	11.20	8.96	8.32
841-MC9S12E128CPV	MC9S12E128CPV	E	LQFP 112	8K	128K	-	SCI, I2C, SPI	4	16	2.5V	90	-40°C to 85°C	14.53	11.62	10.79
841-MC9S12E128CFU	MC9S12E128CFU	B	QFP-80	8K	128K	-	SCI, I2C, SPI	4	16	2.5V	90	-40°C to 85°C	14.00	11.20	10.40
841-MC9S12DT128BP	MC9S12DT128BVPV	E	LQFP 112	8K	128K	2k	2 SCI, 2 SPI, I2C	8	25	5	91	-40°C to 105°C	16.49	14.99	13.92
841-MC9S12DT128BCP	MC9S12DT128BCPV	E	LQFP 112	8K	128K	2k	2 SCI, 2 SPI, I2C	8	25	5	91	-40°C to 85°C	14.06	13.77	13.26
841-MC9S12DJ128BMP	MC9S12DJ128BMPV	E	LQFP 112	8k	128K	2k	2 SCI, 2 SPI, I2C	8	25	5	91	-40°C to 125°C	19.55	15.64	14.52
841-MC9S12DJ128BCP	MC9S12DJ128BCPV	E	LQFP 112	8k	128K	2k	2 SCI, 2 SPI, I2C	8	25	5	91	-40°C to 85°C	14.21	13.70	13.20
841-MC9S12DJ128BCF	MC9S12DJ128BCFU	B	QFP-80	8k	128K	2k	2 SCI, 2 SPI, I2C	8	25	5	91	-40°C to 85°C	14.27	13.30	12.81
841-MC9S12DG128BF	MC9S12DG128BVFU	B	QFP-80	8k	128K	2k	2 SCI, 2 SPI, I2C	8	25	5	59	-40°C to 105°C	17.68	14.14	13.13
841-MC9S12DG128BCP	MC9S12DG128BCPV	E	LQFP 112	8k	128K	2k	2 SCI, 2 SPI, I2C	9	25	5	91	-40°C to 85°C	14.34	13.22	12.87
841-MC9S12DG128BCF	MC9S12DG128BCFU	B	QFP-80	8k	128K	2k	2 SCI, 2 SPI, I2C	10	25	5	59	-40°C to 85°C	13.91	12.82	12.48
841-MC9S12H256VFV	MC9S12H256VFV	F	LQFP 144	12k	256K	4k	SCI, CAN 2.0, A/B, I2C, SPI	8	16	5	99	-40°C to 105°C	25.66	20.52	19.06
841-MC9S12DT256BCP	MC9S12DT256BCPV	E	LQFP 112	12k	256K	12k	2 SCI, 3 SPI, I2C	8	25	5	91	-40°C to 85°C	20.42	18.56	17.24
841-MC9S12DP256BP	MC9S12DP256BVPV	E	LQFP 112	12k	256K	4k	2 SCI, 3 SPI, I2C	8	25	5	91	-40°C to 105°C	26.02	20.82	19.33
841-MC9S12DP256BMP	MC9S12DP256BMPV	E	LQFP 112	12k	256K	4k	2 SCI, 3 SPI, I2C	8	25	5	91	-40°C to 125°C	27.11	21.69	20.14
841-MC9S12DP256BCP	MC9S12DP256BCPV	E	LQFP 112	12k	256K	4k	2 SCI, 3 SPI, I2C	8	25	5	91	-40°C to 85°C	24.64	19.71	18.30
841-MC9S12DG256BP	MC9S12DG256BVPV	E	LQFP 112	12k	256K	4k	2 SCI, 3 SPI, I2C	8	25	5	91	-40°C to 105°C	23.92	19.14	17.77
841-MC9S12DG256BMF	MC9S12DG256BMFU	B	QFP-80	12k	256K	4k	2 SCI, 3 SPI, I2C	8	25	5	91	-40°C to 125°C	23.35	18.68	17.34
841-MC9S12DG256BCP	MC9S12DG256BCPV	E	LQFP 112	12k	256K	4k	2 SCI, 3 SPI, I2C	8	25	5	91	-40°C to 85°C	21.75	17.40	16.16
841-MC9S12DG256BCF	MC9S12DG256BCFU	B	QFP-80	12k	256K	4k	2 SCI, 3 SPI, I2C	8	25	5	91	-40°C to 85°C	21.23	16.98	15.77
32-Bit MCU															
841-MM908E625ACDWB	MM908E625ACDWB	G	SOIC 54	512	16K	-	SCI, SPI	2	8	6	16	-40°C to 85°C	8.96	7.17	6.66
841-MC68332GCFC16	MC68332GCFC16	F	QFP 132	2k	-	-	SCI, queued SPI	TPU	16	5		-40°C to 85°C	19.63	15.52	14.64
841-MMC2107CFCPV33	MMC2107CFCPV33	A	LQFP 144	8k	128	-	2 SCI, SPI	4	33	3.6	72	-40°C to 85°C	22.45	17.96	16.68
841-MMC2107CFCPU33	MMC2107CFCPU33	D	LQFP 100	8k	128	-	2 SCI, SPI	4	33	3.6	72	-40°C to 85°C	22.54	17.68	16.66

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MC56F8300DSK KIT

Freescale's advanced 56F8300 Developers Start Kit brings demonstration, evaluation and development capabilities to the 56F8300 series of Digital Signal Controllers (DSCs). This comprehensive kit includes a demonstration board that utilizes the 60 MIPS 56F8323 DSC with on-chip oscillator to illustrate the enhanced capabilities of the 56F8300 Series. To demonstrate some typical 56F8300 applications in which processing power must be combined with remote sensing capabilities, the MC56F8300DSK integrates Freescale's MC33794 E-field sensor. It also features a built-in JTAG-to-parallel port command converter, with parallel cable included, providing fast and simple out-of-the-box debugging.

Kit Contents:

- MC56F8300DSK Board
- Parallel cable, DB25, M/F
- Universal power supply
- Code-Warrior™ CD for Freescale MC56F8300DSK
- Software, training and documentation CD
- Preprogrammed sample applications

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-MC56F8300DSK	MC56F8300DSK	$89.00

MC56F8323EVM KIT

The MC56F8323EVM is a low-cost kit that contains everything you need to quickly evaluate the features and capabilities of the MC56F8322 and MC56F8323 digital signal controllers silicon and tools.

Kit Contents:

- MC56F8323EVM board
- Installation guide
- Switch mode power supply (12 Volt)
- Parallel cable
- CodeWarrior™
- Development studio for 56800/E special edition

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-MC56F8323EVM	MC56F8323EVM	$337.95

DSP56303EVM KIT

The DSP56303 Evaluation Module is designed as a low-cost platform for developing real-time software and hardware products to support applications in wireless, telecommunications and multimedia products using multi-line voice/date/fax processing, videoconferencing, audio applications, control and general digital signal multi-line voice/date/fax processing, videoconferencing, audio applications, control and general digital signal processing. PC-compatible computer (90MHz or higher) running Windows 95 or NT4 with an RS-232 serial port. 12 Mbytes RAM, 3-1/2 inch diskette drive, CD-ROM drive, hard drive with 20 Mbytes of free disk space. Power supply 7-9 V AC or DC 500 mA with 2.1 mm coaxial connector not included.

Kit Contents:

- DSP56303EVM board
- DSP56300 literature
- Suite56 for Freescale DSP 563xx
- Freescale The DSP56300 Family Documentation
- Domain Technologies Debugger for DSP563xxEVM

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56303EVM	DSP56303EVM	$282.63

DSP56309EVM KIT

The DSP56309 Evaluation Module is a low-cost platform for developing real-time software and hardware products to support a new generation of wireless, telecommunications and multimedia applications. The DSP56309EVM targets applications requiring a large amount of on-chip memory, such as wireless infrastructure applications. PC compatible computer (Pentium-90 MHz or higher) running Windows 95 (or higher) with an RS-232 serial port. Requires Power supply 7-9 V DC, 500mA, (not included).

Kit Contents:

- DSP56309EVM Board
- GUI Debugger Software Disk
- Assembler Linker-Test files disk
- DSP56309EVM User's Manual and Other Documentation

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56309EVM	DSP56309EVM	$310.95

DSP56311EVM KIT

The DSP56311 Evaluation Module (EVM) is used to demonstrate the abilities of the DSP56311 device and provide a hardware tool to allow development of applications that use the DSP56311. The DSP56311EVM includes a DSP56311 device, peripheral expansion connectors, external memory and a voice codec. The peripheral expansion connectors allow for signal monitoring and user-feature expendability.

Kit Contents:

- DSP56311EVM Board
- Parallel port extender cable
- Plastic standoffs and plastic screws
- DSP56300 Tools Software
- Device and Tools Documentation
- Tutorial/example software
- DSP56311EVM Development Tools Release Notes
- DSP56311EVM Product Installation Guide

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56311EVM	DSP56311EVM	$395.68

DSP56F800DEMO KIT

The 56F800 Demonstration kit is a low-cost kit that contains everything you need to quickly evaluate the features and capabilities of the DSP56F801FA60 and DSP56F802TA60 silicon and tools. It also provides an efficient and cost-effective vehicle for hardware and software development.

Kit Contents:

- Demo board
- Complimentary CodeWarrior™ license (8K word program memory limit)
- SDK CD
- Parallel cable
- Instructions for kit
- Training CD
- US Power Supply

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56F800DEMO	DSP56F800DEMO	$56.47

DSP56F801EVM KIT

The DSP56F801EVM Kit is a low cost kit that contains everything you need to quickly evaluate the features and capabilities of the DSP56F801 silicon and tools. It can be used standalone or in conjunction with our broad range of modular motion control development hardware. The DSP56F801EVM Kit is targeted for use on PC Compatible systems running Windows 95, Windows 98 and Windows NT 4.0.

Kit Contents:

- DSP56F801EVM Installation Guide
- DSP56F801 Evaluation Module Board
- 12 Volt universal switching mode power supply
- IEEE 1284 parallel port cable DB25 male to DB25 female
- Metrowerks CodeWarrior™ for Freescale DSP evaluation CD-ROM (30 day)
- Embedded Software Development Kit (SDK) CD-ROM

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56F801EVM	DSP56F801EVM	$338.09

DSP56F803EVM KIT

The DSP56F803EVM Kit is a low cost kit that contains everything you need to quickly evaluate the features and capabilities of the DSP56F803 silicon and tools. It can be used standalone or in conjunction with our broad range of modular motion control development hardware. The DSP56F803EVM Kit is targeted for use on PC Compatible systems running Windows 95, Windows 98 and Windows NT 4.0.

Kit Contents:

- DSP56F803EVM Installation Guide
- DSP56F803 Evaluation Module Board
- 12 Volt universal switching mode power supply
- IEEE 1284 parallel port cable DB25 male to DB25 female
- Metrowerks CodeWarrior™ for Freescale DSP evaluation CD-ROM (30 day)
- Embedded Software Development Kit (SDK) CD-ROM

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56F803EVM	DSP56F803EVM	$337.82

DSP56F805EVM KIT

The DSP56F805EVM Kit is a low cost kit that contains everything you need to quickly evaluate the features and capabilities of the DSP56F805 silicon and tools. It can be used standalone or in conjunction with our broad range of modular motion control development hardware. This kit is targeted for use on PC Compatible systems running Windows 95, Windows 98 and Windows NT 4.0.

Kit Contents:

- DSP56F805EVM Installation Guide and DSP56F805 Evaluation Module Board
- 12 Volt universal switching mode power supply
- IEEE 1284 parallel port cable DB25 male to DB25 female
- Metrowerks CodeWarrior™ for Freescale DSP evaluation CD-ROM (30 day)
- Embedded Software Development Kit (SDK) CD-ROM

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56F805EVM	DSP56F805EVM	$337.95

DSP56F807EVM KIT

The DSP56F807EVM Kit is a low cost kit that contains everything you need to quickly evaluate the features and capabilities of the DSP56F807 silicon and tools. It can be used standalone or in conjunction with our broad range of modular motion control development hardware. This kit is targeted for use on PC Compatible systems running Windows 95, Windows 98 and Windows NT 4.0.

Kit Contents:

- DSP56F807EVM Installation Guide and DSP56F807 Evaluation Module Board
- 12 Volt universal switching mode power supply
- IEEE 1284 parallel port cable DB25 male to DB25 female
- Metrowerks CodeWarrior™ for Freescale DSP evaluation CD-ROM (30 day)
- Embedded Software Development Kit (SDK) CD-ROM

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56F807EVM	DSP56F807EVM	$338.09

DSP56F826EVM KIT

The DSP56F826EVM Kit is a low cost kit that contains everything you need to quickly evaluate the features and capabilities of the DSP56F826 silicon and tools. It can be used standalone, or in conjunction with our broad range of modular motion control development hardware. This kit is targeted for use on PC Compatible systems running Windows 95, Windows 98 and Windows NT 4.0.

Kit Contents:

- DSP56F826EVM Installation Guide and DSP56F826 Evaluation Module Board
- 12 Volt universal switching mode power supply
- IEEE 1284 parallel port cable DB25 male to DB25 female
- Codec sample rate selector
- Peripheral Daughter Card Expansion Connector to allow the user to connect his own SCI, SSI, SPI or GPIO compatible peripheral to the DSP
- Memory Daughter Card Expansion Connector to allow the user to connect his own memory or memory device to the DSP
- 16-Bit stereo codec interface
- Metrowerks CodeWarrior™ for Freescale DSP evaluation CD-ROM (30 day)
- Embedded Software Development Kit (SDK) CD-ROM

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56F826EVM	DSP56F826EVM	$309.88

MICROCHIP PICMicro Microcontroller Family

MICROCHIP

♦ Surface Mount Device

Microchip's RISC-based PICmicro® MCUs are designed for applications requiring high performance and low cost. The PICmicro® MCU portfolio is comprised of more than 140 products and features a variety of memory configurations, low voltage and power, small footprint and ease-of-use. There is a great deal of "smarts" packed into a tiny space in our minimal footprint 8-bit MCUs. As your designs grow in complexity, the code you write (later) can be easily transitioned to larger Microchip MCUs with more peripheral resources. A seamless product migration path between PICmicro® MCU families provides for complete upward compatibility in embedded control designs. If you already know the specifications you need for you application, you can select that criteria through Microchip's parametric search engine. The criteria used in this selection process are: Program Memory, Data RAM, Memory Type and Package. If you are not yet familiar with Microchip's PICmicro® MCUs the following information will help you get started. PICmicro® MCUs combine high performance, low cost, and small package size, offering the best price/performance ratio in the industry. Microchip offers five families of 8-bit MCUs to best fit your needs.

PIC10FXXX 6 PIN, 8BIT FLASH MCU'S. "THE WORLDS SMALLEST MICROCONTROLLER."

High-Performance RISC CPU:

- Only 33 single-word instructions to learn
- All single-cycle instructions except for program branches, which are two-cycle
- 12-bit wide instructions
- 2-level deep hardware stack
- Direct, Indirect and Relative Addressing modes for data and instructions
- 8-bit wide data path
- 8 Special Function Hardware registers
- Operating speed: 4 MHz internal clock
  1μs instruction cycle

Special Microcontroller Features:

- 4 MHz precision internal oscillator: Factory calibrated to ±1%
- In-Circuit Serial Programming™ (ICSP™)
- In-Circuit Debugging (ICD) support
- Power-on Reset (POR)
- Device Reset Timer (DRT)
- Watchdog Timer (WDT) with dedicated on-chip RC oscillator for reliable operation
- Programmable code protection
- Multiplexed MCLR input pin
- Internal weak pull-ups on I/O pins
- Power-saving Sleep mode
- Wake-up from Sleep on pin change

Low-Power Features/CMOS Technology:

- Operating Current: < 350 μA @ 2V, 4 MHz
- Standby Current: 100 nA @ 2V, typical
- Low-power, high-speed Flash technology:
  100,000 Flash endurance
  > 40 year retention
- Fully static design
- Wide operating voltage range: 2.0V to 5.5V
- Wide temperature range: Industrial: -40°C to +85°C
  Extended: -40°C to +125°C

MOUSER STOCK NO.	Microchip Part No.	Package Type	PM Memory	Data Memory	I/O	Timers 8-bit	Comparator	Price Each			
			Flash (Words)	RAM (Bytes)				1	10	50	100
579-PIC10F200-I/P	PIC10F200-I/P	PDIP-8	256	16	4	1	-	.63	.62	.61	.59
579-PIC10F200T-I/OT	PIC10F200T-I/OT	SOT-23	256	16	4	1	-	.71	.70	.69	.67
579-PIC10F202-I/P	PIC10F202-I/P	PDIP-8	512	24	4	1	-	.72	.71	.70	.68
579-PIC10F202T-I/OT	PIC10F202T-I/OT	SOT-23	512	24	4	1	-	.80	.79	.78	.76
579-PIC10F204-I/P	PIC10F204-I/P	PDIP-8	256	16	4	1	1	.72	.71	.70	.68
579-PIC10F204T-I/OT	PIC10F204T-I/OT	SOT-23	256	16	4	1	1	.80	.79	.78	.76
579-PIC10F206-I/P	PIC10F206-I/P	PDIP-8	512	24	4	1	1	.82	.81	.80	.78
579-PIC10F206T-I/OT	PIC10F206T-I/OT	SOT-23	512	24	4	1	1	.90	.89	.87	.85

MICROCHIP PIC12CXXX MCUS

Features:

- 400ns Instruction Execution, 33/55 Instructions, 4/5 Oscillator Selections.
- ICSPTM, 6 I/O Pins, 1-8 bit Timer, 1-WDT, 400Hz Internal Oscillator.

MOUSER STOCK NO.	Microchip Part No.	Package Type	Program Memory		RAM Bytes	Price Each			
			Bytes	OTPW		1	10	50	100
579-PIC12C508A04P	PIC12C508A-04/P	PDIP-8	768	512x12	25	1.01	1.00	.99	.96
♦579-PIC12C508A04SM	PIC12C508A-04/SM	SOIC-8	768	512x12	25	1.01	1.00	.99	.96
579-PIC12C508A04IP	PIC12C508A-04I/P	PDIP-8	768	512x12	25	1.11	1.10	1.09	1.05
♦579-PIC12C508A04ISM	PIC12C508A-04I/SM	SOIC-8	768	512x12	25	1.11	1.10	1.09	1.05
♦579-12C508A-04I/SN	PIC12C508A-04I/SN	SOIC-8	768	512x12	25	1.16	1.15	1.13	1.09
579-PIC12CE51804P	PIC12CE518-04/P	PDIP-8	768	512x12	128	1.24	1.23	1.21	1.17
♦579-PIC12CE51804SM	PIC12CE518-04/SM	SOIC-8	768	512x12	128	1.30	1.29	1.27	1.23
579-PIC12C509A04SN	PIC12C509A-04/SN	SOIC-8	1536	1024x12	41	1.09	1.08	1.07	1.03
579-PIC12C509A04IP	PIC12C509A-04I/P	PDIP-8	1536	1024x12	41	1.16	1.15	1.13	1.09
♦579-PIC12C509A04ISM	PIC12C509A-04I/SM	SOIC-8	1536	1024x12	41	1.16	1.15	1.13	1.09
♦579-PIC12C509A04ISN	PIC12C509A-04I/SN	SOIC-8	1536	1024x12	41	1.19	1.18	1.16	1.12
♦579-PIC12LC509A04SM	PIC12LC509A-04/SM	SOIC-8	1536	1024x12	41	1.12	1.11	1.10	1.06
579-PIC12C67104P	PIC12C671-04/P	PDIP-8	3584	2048x14	128	1.85	1.83	1.81	1.75
♦579-PIC12C67104SM	PIC12C671-04/SM	SOIC-8	3584	2048x14	128	1.93	1.91	1.89	1.82
579-PIC12C671-04I/P	PIC12C671-04I/P	PDIP-8	3584	2048x14	128	2.02	2.00	1.98	1.92
579-PIC12C672-04I/P	PIC12C672-04I/P	PDIP-8	3584	2048x14	128	2.02	2.00	1.98	1.92

MICROCHIP PIC12FXXX FLASH MCUS

Features:

- Upwardly Compatible with PIC12Cxxx, 200ns Instruction Execution, 35 Instructions, 5 Oscillator Selections.
- ICSPTM; 6 I/O Pins; 1-8 bit, 1-16 bit Timer; 1-WDT; 1 Comparator; 400Hz Internal Oscillator, ICD; 20MHz Max Speed.

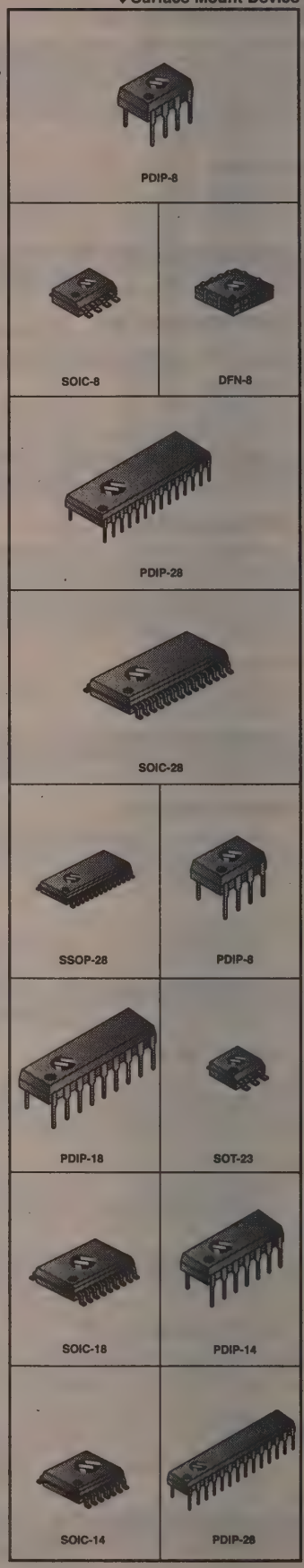
♦579-PIC12F629-I/SN	PIC12F629-I/SN	SOIC-8	1792	1024x14	64	1.08	1.07	1.06	1.02
579-PIC12F675-I/MF	PIC12F675-I/MF	DFN-8	1792	1024x14	64	1.49	1.47	1.46	1.41
579-PIC12F675-I/P	PIC12F675-I/P	PDIP-8	1792	1024x14	64	1.33	1.32	1.30	1.26
♦579-PIC12F675-I/SN	PIC12F675-I/SN	SOIC-8	1792	1024x14	64	1.33	1.32	1.30	1.26

MICROCHIP PIC16C5X FAMILY: 12-BIT PROGRAM WORD

Features:

- 100-200ns Instruction Execution, 33 Instructions, 4/5 Oscillator Selections.
- 1-8 bit Timer, 1-WDT

MOUSER STOCK NO.	Microchip Part No.	Package Type	Program Memory		RAM Bytes	I/O Pins	Max MHz	Price Each			
			Bytes	OTPW				1	10	50	100
579-PIC16C55A20P	PIC16C55A-20/P	PDIP-28	768	512x12	24	20	40	2.02	2.00	1.98	1.92
♦579-PIC16C55A20SO	PIC16C55A-20/SO	SOIC-28	768	512x12	24	20	40	2.10	2.08	2.06	1.99
579-PIC16C55RCP	PIC16C55-RC/P	PDIP-28	768	512x12	24	20	40	3.30	3.24	3.20	3.05
♦579-PIC16C55RCSO	PIC16C55-RC/SO	SOIC-28	768	512x12	24	20	40	3.43	3.37	3.32	3.17
♦579-PIC16C55XTISS	PIC16C55-XTI/SS	SSOP-28	768	512x12	24	20	40	4.28	4.20	4.14	3.96
579-PIC16C54A04P	PIC16C54A-04/P	PDIP-18	768	512x12	25	12	40	2.69	2.64	2.60	2.48
♦579-PIC16C54A04SO	PIC16C54A-04/SO	SOIC-18	768	512x12	25	12	40	2.74	2.69	2.65	2.53
579-PIC16C54C04P	PIC16C54C-04/P	PDIP-18	768	512x12	25	12	40	1.48	1.46	1.45	1.40
♦579-PIC16C54C04SO	PIC16C54C-04/SO	SOIC-18	768	512x12	25	12	40	1.51	1.49	1.48	1.43
579-PIC16C54C20P	PIC16C54C-20/P	PDIP-18	768	512x12	25	12	40	1.59	1.57	1.56	1.50
♦579-PIC16C54C20SO	PIC16C54C-20/SO	SOIC-18	768	512x12	25	12	40	1.62	1.60	1.59	1.54
579-PIC16C54HSP	PIC16C54-HS/P	PDIP-18	768	512x12	25	12	40	2.87	2.82	2.78	2.65
♦579-PIC16C54HSSO	PIC16C54-HS/SO	SOIC-18	768	512x12	25	12	40	2.94	2.89	2.85	2.72
579-PIC16C54RCP	PIC16C54-RC/P	PDIP-18	768	512x12	25	12	40	2.69	2.64	2.60	2.48
♦579-PIC16C54RCSO	PIC16C54-RC/SO	SOIC-18	768	512x12	25	12	40	2.74	2.69	2.65	2.53
♦579-PIC16C54XTSO	PIC16C54-XT/SO	SOIC-18	768	512x12	25	12	40	2.74	2.69	2.65	2.53
579-PIC16C50504P	PIC16C505-04/P	PDIP-14	1536	1024x12	72	12	20	1.32	1.31	1.29	1.25
♦579-PIC16C50504SL	PIC16C505-04/SL	SOIC-14	1536	1024x12	72	12	20	1.32	1.31	1.29	1.25
579-PIC16C50504IP	PIC16C505-04I/P	PDIP-14	1536	1024x12	72	12	20	1.32	1.31	1.29	1.25
579-PIC16C50520P	PIC16C505-20/P	PDIP-14	1536	1024x12	72	12	20	1.36	1.35	1.33	1.29
♦579-PIC16C50520SL	PIC16C505-20/SL	SOIC-14	1536	1024x12	72	12	20	1.36	1.35	1.33	1.29
♦579-PIC16C50520ISL	PIC16C505-20I/SL	SOIC-14	1536	1024x12	72	12	20	1.36	1.35	1.33	1.29
♦579-PIC16C57C20SO	PIC16C57C-20/SO	SOIC-28	3072	2048x12	72	20	40	2.46	2.43	2.41	2.33
579-PIC16C57C20SP	PIC16C57C-20/SP	SPDIP-28	3072	2048x12	72	20	40	2.36	2.33	2.31	2.23
579-PIC16C57XTP	PIC16C57-XT/P	PDIP-28	3072	2048x12	72	20	40	4.48	4.40	4.34	4.15
♦579-PIC16C57XTSO	PIC16C57-XT/SO	SOIC-28	3072	2048x12	72	20	40	4.66	4.58	4.51	4.31
579-PIC16C58B-20E/P	PIC16C58B-20E/P	PDIP-18	3072	2048x12	72	12	40	2.17	2.14	2.12	2.05



MOUSER ELECTRONICS a tti company

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MICROCHIP PICMicro Microcontroller Family

MICROCHIP

IC16CXXX/PIC16FXXX Family: 14-bit program word:
With the introduction of new PIC16CXXX/PIC16FXXX family members, Microchip now provides the industry's highest performance Analog-to-Digital onverter capability at 12-bits for an MCU. The PIC16CXXX/PIC16FXXX family offers a wide-range of options, from 18- to 68-pin packages as well as w to highest levels of peripheral integration. This family has a 14-bit wide instruction set, interrupt handling capability and a deep, 8-level hardware tack. The PIC16CXXX/PIC16FXXX family provides the performance and versatility to meet the more demanding requirements of today's cost-sensitive arketplace for mid-range applications.

MICROCHIP PIC16CXXX MCUS

Features:

Upwardly Compatible with PIC16C5x/PIC12Cxxx, 4-12 Interrupts, 100-500ns Instruction Execution, 35 Instructions, 4/5 Oscillator Selections. CSPTM; BOR/PBOR.

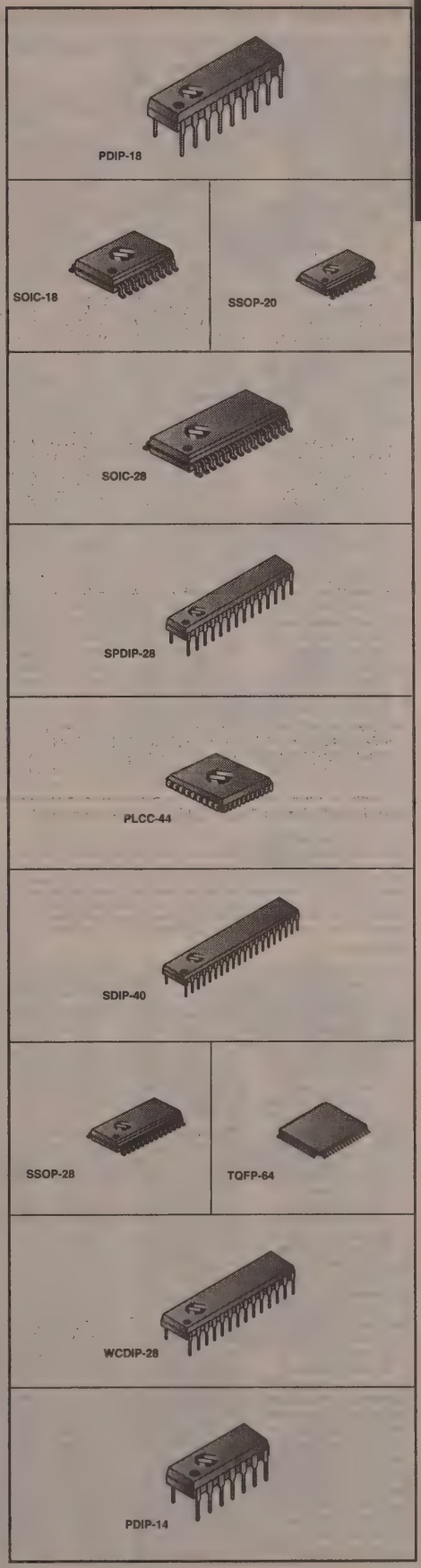
MOUSER STOCK NO.	Microchip Part No.	Package Type	Program Memory		RAM Bytes	I/O Pins	Max MHz	Price Each			
			Bytes	OTPW				1	10	50	100
579-PIC16C620A04P	PIC16C620A-04/P	PDIP-18	896	512x14	96	13	40	1.44	1.43	1.41	1.37
579-PIC16C620A04SO	PIC16C620A-04/SO	SOIC-18	896	512x14	96	13	40	1.48	1.46	1.45	1.40
579-PIC16C620A04IP	PIC16C620A-04I/P	PDIP-18	896	512x14	96	13	40	1.44	1.43	1.41	1.37
579-PIC16C71104P	PIC16C711-04/P	PDIP-18	1792	1024x14	68	13	20	2.39	2.35	2.32	2.22
579-PIC16C71104SO	PIC16C711-04/SO	SOIC-18	1792	1024x14	68	13	20	2.43	2.39	2.36	2.26
579-PIC16CE62404P	PIC16CE624-04/P	PDIP-18	1792	1024x14	96	13	30	2.31	2.28	2.26	2.19
579-PIC16CE62404SO	PIC16CE624-04/SO	SOIC-18	1792	1024x14	96	13	30	2.36	2.33	2.31	2.23
579-PIC16C71204ISO	PIC16C712-04I/SO	SOIC-18	1792	1024x14	128	13	20	2.16	2.12	2.09	2.00
579-PIC16C71220ISO	PIC16C712-20I/SO	SOIC-18	1792	1024x14	128	13	20	2.32	2.28	2.25	2.15
579-PIC16C71220ISS	PIC16C712-20I/SS	SSOP-20	1792	1024x14	128	13	20	2.54	2.50	2.47	2.36
579-PIC16C55820P	PIC16C558-20/P	PDIP-18	3584	2048x14	128	13	20	3.79	3.72	3.67	3.51
579-PIC16C622A04IP	PIC16C622A-04I/P	PDIP-18	3584	2048x14	128	13	40	2.01	1.99	1.97	1.90
579-PIC16C622A20P	PIC16C622A-20/P	PDIP-18	3584	2048x14	128	13	40	1.96	1.94	1.92	1.85
579-PIC16C622A20SO	PIC16C622A-20/SO	SOIC-18	3584	2048x14	128	13	40	1.99	1.97	1.95	1.88
579-PIC16C7220ESO	PIC16C72-20E/SO	SOIC-28	3584	2048x14	128	22	20	6.31	6.23	6.17	5.97
579-PIC16C72A04SP	PIC16C72A-04/SP	SPDIP-28	3584	2048x14	128	22	20	3.35	3.31	3.28	3.18
579-PIC16C72A04ISO	PIC16C72A-04I/SO	SOIC-28	3584	2048x14	128	22	20	3.71	3.66	3.63	3.51
579-PIC16C72A04ISP	PIC16C72A-04I/SP	SPDIP-28	3584	2048x14	128	22	20	3.71	3.66	3.63	3.51
579-PIC16LC55804SO	PIC16LC558-04/SO	SOIC-18	3584	2048x14	128	13	20	3.79	3.72	3.67	3.51
579-PIC16LC64A04L	PIC16LC64A-04/L	PLCC-44	3584	2048x14	128	33	20	7.26	7.03	6.85	6.32
579-PIC16LC64A04P	PIC16LC64A-04/P	PDIP-40	3584	2048x14	128	33	20	5.34	5.27	5.22	5.06
579-PIC16LC72A04SS	PIC16LC72A-04/SS	SSOP-28	3584	2048x14	128	22	20	3.71	3.66	3.63	3.51
579-PIC16C717ISS	PIC16C717-I/SS	SSOP-20	3584	2048x14	256	16	20	2.77	2.72	2.69	2.57
579-PIC16C92304IPT	PIC16C923-04I/PT	TQFP-64	7168	4096x14	176	52	8	4.90	4.84	4.79	4.64
579-PIC16C925/CL	PIC16C925/CL	CLCC-68	7168	4096x14	176	52	20	24.64	24.32	24.07	23.33
579-PIC14000JW	PIC14000/JW	WCDIP-28	7168	4096x14	192	20	20	17.80	17.10	16.58	14.99
579-PIC1400004SO	PIC14000-04/SO	SOIC-28	7168	4096x14	192	20	20	8.45	8.18	7.97	7.35
579-PIC1400004SP	PIC14000-04/SP	SPDIP-28	7168	4096x14	192	20	20	8.29	8.02	7.82	7.21
579-PIC1400020ISP	PIC14000-20I/SP	SPDIP-28	7168	4096x14	192	20	20	9.76	9.45	9.21	8.50
579-PIC16C63A04ISO	PIC16C63A-04I/SO	SOIC-28	7168	4096x14	192	22	20	3.80	3.75	3.72	3.60
579-PIC16C63A04ISP	PIC16C63A-04I/SP	SPDIP-28	7168	4096x14	192	22	20	3.80	3.75	3.72	3.60
579-PIC16C73B20SO	PIC16C73B-20/SO	SOIC-28	7168	4096x14	192	22	20	4.64	4.58	4.54	4.39
579-PIC16C73B20SP	PIC16C73B-20/SP	SPDIP-28	7168	4096x14	192	22	20	4.64	4.58	4.54	4.39
579-PIC16C73B20ESP	PIC16C73B-20E/SP	SPDIP-28	7168	4096x14	192	22	20	5.59	5.52	5.46	5.29
579-PIC16C73B20ISO	PIC16C73B-20I/SO	SOIC-28	7168	4096x14	192	22	20	5.10	5.04	4.99	4.83
579-PIC16C73B20ISP	PIC16C73B-20I/SP	SPDIP-28	7168	4096x14	192	22	20	5.10	5.04	4.99	4.83
579-PIC16C74A04L	PIC16C74A-04/L	PLCC-44	7168	4096x14	192	33	20	8.66	8.50	8.38	8.01
579-PIC16C74A04P	PIC16C74A-04/P	PDIP-40	7168	4096x14	192	33	20	7.22	7.13	7.06	6.84
579-PIC16LC6304SP	PIC16LC63-04/SP	SPDIP-28	7168	4069x14	192	22	20	5.73	5.66	5.60	5.43
579-PIC16C773SP	PIC16C773/SP	SPDIP-28	7168	4096x14	256	22	20	4.33	4.28	4.23	4.10
579-PIC16C774P	PIC16C774/P	PDIP-40	7168	4096x14	256	33	20	5.25	5.18	5.13	4.97
579-PIC16LC773SO	PIC16LC773/SO	SOIC-28	7168	4096x14	256	22	20	4.56	4.50	4.46	4.32
579-PIC16C745ISO	PIC16C745-I/SO	SOIC-28	14336	8192x14	256	22	24	3.08	3.03	2.99	2.86
579-PIC16C745ISP	PIC16C745-I/SP	SPDIP-28	14336	8192x14	256	22	24	3.08	3.03	2.99	2.86
579-PIC16C7620SO	PIC16C76-20/SO	SOIC-28	14336	8192x14	368	22	20	5.87	5.80	5.74	5.56
579-PIC16C7620SP	PIC16C76-20/SP	SPDIP-28	14336	8192x14	368	22	20	5.87	5.80	5.74	5.56
579-PIC16C7704P	PIC16C77-04/P	PDIP-40	14336	8192x14	368	33	20	5.89	5.82	5.76	5.58

MICROCHIP PIC16FXXX FLASH MCUS

Features:

Upwardly Compatible with PIC16Cxxx/PIC16C5x/PIC12Cxxx, 4-12 Interrupts, 200ns Instruction Execution, 35 Instructions, 4 Oscillator Selections, 25mA Source/Sink per I/O. ICSPTM; BOR/PBOR; 2-8 bit, 1-16 bit Timer; 1-WDT.

MOUSER STOCK NO.	Microchip Part No.	Package Type	Program Memory		RAM Bytes	I/O Pins	Max MHz	Price Each			
			Bytes	OTPW				1	10	50	100
579-PIC16F630-I/P	PIC16F630-I/P	PDIP-14	1792	1024x14	64	12	20	1.27	1.26	1.24	1.20
579-PIC16F676-I/P	PIC16F676-I/P	PDIP-14	1792	1024x14	64	12	20	1.46	1.44	1.43	1.38
579-PIC16F676-I/SL	PIC16F676-I/SL	SOIC-14	1792	1024x14	64	12	20	1.46	1.44	1.43	1.38
579-PIC16F84A-04I/P	PIC16F84A-04I/P	PDIP-18	1792	1024x14	68	13	20	3.96	3.91	3.87	3.75
579-PIC16F818-I/P	PIC16F818-I/P	PDIP-18	1792	1024x14	128	16	20	1.85	1.82	1.79	1.71
579-PIC16F62704P	PIC16F627-04/P	PDIP-18	1792	1024x14	224	16	20	1.82	1.79	1.77	1.69
579-PIC16F62704SO	PIC16F627-04/SO	SOIC-18	1792	1024x14	224	16	20	1.85	1.82	1.79	1.71
579-PIC16F62720P	PIC16F627-20/P	PDIP-18	1792	1024x14	224	16	20	1.95	1.92	1.89	1.81
579-PIC16F62720SO	PIC16F627-20/SO	SOIC-18	1792	1024x14	224	16	20	1.97	1.94	1.91	1.83
579-PIC16F627A-I/P	PIC16F627A-I/P	PDIP-18	1792	1024x14	224	16	20	1.53	1.51	1.49	1.42
579-PIC16LF62704P	PIC16LF627-04/P	PDIP-18	1792	1024x14	224	16	20	1.90	1.87	1.85	1.77
579-PIC16LF62704SO	PIC16LF627-04/SO	SOIC-18	1792	1024x14	224	16	20	1.95	1.92	1.89	1.81
579-PIC16F72-I/SP	PIC16F72-I/SP	SPDIP-28	3584	2048x14	128	22	20	2.21	2.19	2.17	2.10
579-PIC16F870-I/SP	PIC16F870-I/SP	SPDIP-28	3584	2048x14	128	22	20	2.97	2.93	2.90	2.81
579-PIC16F871-I/P	PIC16F871-I/P	PDIP-40	3584	2048x14	128	33	20	3.19	3.17	3.15	3.08
579-PIC16F872-I/SP	PIC16F872-I/SP	SPDIP-28	3584	2048x14	128	22	20	2.97	2.93	2.90	2.81
579-PIC16LF872ISO	PIC16LF872-I/SO	SOIC-28	3584	2048x14	128	22	20	3.13	3.09	3.06	2.96
579-PIC16LF872ISP	PIC16LF872-I/SP	SPDIP-28	3584	2048x14	128	22	20	3.13	3.09	3.06	2.96
579-PIC16LF872ISS	PIC16LF872-I/SS	SSOP-28	3584	2048x14	128	22	20	3.21	3.17	3.14	3.04
579-PIC16F62804P	PIC16F628-04/P	PDIP-18	3584	2048x14	224	16	20	2.06	2.03	2.00	1.91
579-PIC16F62804SO	PIC16F628-04/SO	SOIC-18	3584	2048x14	224	16	20	2.10	2.07	2.04	1.95
579-PIC16F62820P	PIC16F628-20/P	PDIP-18	3584	2048x14	224	16	20	2.20	2.16	2.13	2.04
579-PIC16F62820SO	PIC16F628-20/SO	SOIC-18	3584	2048x14	224	16	20	2.24	2.20	2.17	2.08
579-PIC16F628A-I/P	PIC16F628A-I/P	PDIP-18	3584	2048x14	224	16	20	1.73	1.70	1.68	1.61
579-PIC16LF628A-I/SS	PIC16LF628A-I/SS	SSOP-20	3584	2048x14	224	16	20	2.00	1.97	1.94	1.86
579-PIC16LF62804P	PIC16LF628-04/P	PDIP-18	3584	2048x14	224	16	20	2.16	2.12	2.09	2.00
579-PIC16LF62804SO	PIC16LF628-04/SO	SOIC-18	3584	2048x14	224	16	20	2.20	2.16	2.13	2.04
579-PIC16F819-I/P	PIC16F819-I/P	PDIP-18	3584	2048x14	256	16	20	2.10	2.07	2.04	1.95



MICROCHIP PICMicro Microcontroller Family

MICROCHIP PIC16FXXX FLASH MCUS (CONT.)

- Upwardly Compatible with PIC16Cxxx/PIC16C5x/PIC12Cxxx, 4-12 Interrupts, 200ns Instruction Execution, 35 Instructions, 4 Oscillator Selections, 25mA Source/Sink per I/O.
- ICSPTM; BOR/PBOR; 2-8 bit, 1-16 bit Timer; 1-WDT.

MOUSER STOCK NO.	Microchip Part No.	Package Type	Program Memory		RAM Bytes	I/O Pins	Max MHz	Price Each			
			Bytes	OTPW				1	10	50	100
♦579-PIC16F73ISO	PIC16F73-I/SO	SOIC-28	7168	4096x14	192	22	20	3.45	3.41	3.38	3.27
579-PIC16F73ISP	PIC16F73-I/SP	SPDIP-28	7168	4096x14	192	22	20	3.45	3.41	3.38	3.27
♦579-PIC16F74IL	PIC16F74-I/L	PLCC-44	7168	4096x14	192	33	20	4.83	4.79	4.76	4.66
579-PIC16F74IP	PIC16F74-I/P	PDIP-40	7168	4096x14	192	33	20	4.19	4.14	4.10	3.97
♦579-PIC16F87304SO	PIC16F873-04/SO	SOIC-28	7168	4096x14	192	22	20	4.57	4.51	4.47	4.33
579-PIC16F87304SP	PIC16F873-04/SP	SPDIP-28	7168	4096x14	192	22	20	4.57	4.51	4.47	4.33
♦579-PIC16F87304ISO	PIC16F873-04I/SO	SOIC-28	7168	4096x14	192	22	20	5.68	5.58	5.50	5.25
579-PIC16F87304ISP	PIC16F873-04I/SP	SPDIP-28	7168	4096x14	192	22	20	5.18	5.14	5.11	5.00
579-PIC16F873-20/SP	PIC16F873-20/SP	SPDIP-28	7168	4096x14	192	22	20	5.04	5.00	4.97	4.87
♦579-PIC16F873A-I/SO	PIC16F873A-I/SO	SOIC-28	7168	4096x14	192	22	20	4.21	4.16	4.11	3.98
579-PIC16F873A-I/SP	PIC16F873A-I/SP	SPDIP-28	7168	4096x14	192	22	20	4.21	4.16	4.11	3.98
♦579-PIC16F87404L	PIC16F874-04/L	PLCC-44	7168	4096x14	192	33	20	7.04	6.81	6.64	6.12
579-PIC16F87404P	PIC16F874-04/P	PDIP-40	7168	4096x14	192	33	20	5.14	5.10	5.07	4.97
♦579-PIC16F87404IL	PIC16F874-04I/L	PLCC-44	7168	4096x14	192	33	20	7.74	7.49	7.31	6.74
579-PIC16F87404IP	PIC16F874-04I/P	PDIP-40	7168	4096x14	192	33	20	5.65	5.61	5.57	5.46
♦579-PIC16F87404IPT	PIC16F874-04I/PT	TQFP-44	7168	4096x14	192	33	20	7.62	7.56	7.51	7.36
♦579-PIC16F87420L	PIC16F874-20/L	PLCC-44	7168	4096x14	192	33	20	7.52	7.28	7.10	6.55
579-PIC16F87420P	PIC16F874-20/P	PDIP-40	7168	4096x14	192	33	20	5.51	5.47	5.43	5.32
579-PIC16F874A-I/P	PIC16F874A-I/P	PDIP-40	7168	4096x14	192	33	20	4.59	4.53	4.49	4.35
♦579-PIC16LF87304SO	PIC16LF873-04/SO	SOIC-28	7168	4096x14	192	22	20	5.43	5.33	5.26	5.02
579-PIC16LF87304SP	PIC16LF873-04/SP	SPDIP-28	7168	4096x14	192	22	20	4.94	4.90	4.87	4.77
579-PIC16F648A-I/P	PIC16F648A-I/P	PDIP-18	7168	4096x14	256	16	20	1.97	1.94	1.91	1.83
579-PIC16F737-I/SP	PIC16F737-I/SP	SDIP-28	7168	4096x14	368	25	20	3.47	3.44	3.42	3.35
579-PIC16F747-I/P	PIC16F747-I/P	PDIP-40	7168	4096x14	368	36	20	3.99	3.96	3.93	3.85
579-PIC16F88-I/P	PIC16F88-I/P	PDIP-18	7168	4096x14	368	16	20	2.60	2.56	2.52	2.41
579-PIC16F767-I/SP	PIC16F767-I/SP	SDIP-28	14336	8192x14	368	25	20	4.03	4.00	3.97	3.89
579-PIC16F76-I/SP	PIC16F76-I/SP	SPDIP-28	14336	8192x14	368	22	20	4.33	4.28	4.23	4.10
579-PIC16F777-I/P	PIC16F777-I/P	PDIP-40	14336	8192x14	368	36	20	4.43	4.39	4.36	4.27
♦579-PIC16F77IL	PIC16F77-I/L	PLCC-44	14336	8192x14	368	33	20	5.52	5.48	5.44	5.33
579-PIC16F77IP	PIC16F77-I/P	PDIP-40	14336	8192x14	368	33	20	4.78	4.72	4.68	4.53
♦579-PIC16F87620SO	PIC16F876-20/SO	SOIC-28	14336	8192x14	368	22	20	5.44	5.40	5.36	5.25
579-PIC16F87620SP	PIC16F876-20/SP	SPDIP-28	14336	8192x14	368	22	20	5.44	5.40	5.36	5.25
♦579-PIC16F876A-I/SO	PIC16F876A-I/SO	SOIC-28	14336	8192x14	368	22	20	4.53	4.47	4.43	4.29
579-PIC16F876A-I/SP	PIC16F876A-I/SP	SPDIP-28	14336	8192x14	368	22	20	4.53	4.47	4.43	4.29
579-PIC16F87704P	PIC16F877-04/P	PDIP-40	14336	8192x14	368	33	20	5.39	5.32	5.27	5.11
♦579-PIC16F87704IL	PIC16F877-04I/L	PLCC-44	14336	8192x14	368	33	20	8.35	8.08	7.88	7.27
579-PIC16F87704IP	PIC16F877-04I/P	PDIP-40	14336	8192x14	368	33	20	5.92	5.85	5.79	5.61
579-PIC16F87720P	PIC16F877-20/P	PDIP-40	14336	8192x14	368	33	20	5.76	5.69	5.63	5.46
579-PIC16F877A-I/P	PIC16F877A-I/P	PDIP-40	14336	8192x14	368	33	20	4.94	4.88	4.83	4.68
♦579-PIC16F877A-I/PT	PIC16F877A-I/PT	TQFP-44	14336	8192x14	368	33	20	5.70	5.63	5.57	5.40
♦579-PIC16LF87604ISO	PIC16LF876-04I/SO	SOIC-28	14336	8192x14	368	22	20	5.87	5.82	5.79	5.67
579-PIC16LF87604ISP	PIC16LF876-04I/SP	SPDIP-28	14336	8192x14	368	22	20	5.87	5.82	5.79	5.67
♦579-PIC16LF87704L	PIC16LF877-04/L	PLCC-44	14336	8192x14	368	33	20	7.99	7.73	7.54	6.95

MICROCHIP PIC18FXXX FLASH MCUS

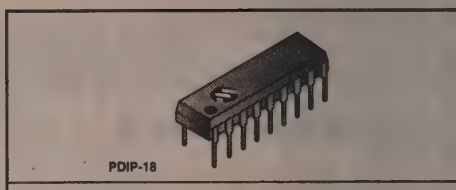
PIC18FXXX Flash MCU Family: enhanced 16-bit program word:

The PIC18FXXX is a family of high performance, CMOS, fully static MCUs with integrated analog-to-digital (A/D) converter. The PIC18FXXX has enhanced core features, 32 level-deep stack, and multiple internal and external interrupts sources. The separate instruction and data busses of the Harvard architecture allow a 16-bit wide instruction word with the separate 8-bit wide data. The two-stage instruction pipeline allows all instructions to execute in a single cycle, except for program branches, which require two cycles. A total of 77 instructions (reduced instruction set) are available. Additionally, a large register set gives some of the architectural innovations used to achieve a very high performance of 10 MIPS for an MCU. The PIC18FXXX family has special features to reduce external components, thus reducing cost, enhancing system reliability and reducing power consumption. These include programmable Low Voltage Detect (LVD) and programmable Brown-Out Detect (BOD).

Features:

- Upwardly Compatible with PIC18CXXX/PIC17C7XX/PIC16CXX/PIC16C5X/PIC12CXXX, 77 Instructions, C Compiler Efficient Instruction Set, Software Stack Capability, Table Read/Write, 10 MIPS, 4x PLL, Switchable Oscillator Sources, 25mA Source/Sink per I/O.

MOUSER STOCK NO.	Microchip Part No.	Package Type	Program Memory		RAM Bytes	I/O Pins	Max MHz	Price Each			
			Bytes	OTPW				1	10	50	100
579-PIC18F2220-I/SP	PIC18F2220-I/SP	SPDIP-28	4096	2048x16	512	25	40	4.70	4.64	4.60	4.45
579-PIC18F4220-I/P	PIC18F4220-I/P	PDIP-40	4096	2048x16	512	36	40	5.18	5.12	5.07	4.91
579-PIC18F1320-I/P	PIC18F1320-I/P	PDIP-18	8192	4096x16	256	16	40	3.32	3.28	3.25	3.15
579-PIC18F2320-I/SP	PIC18F2320-I/SP	SPDIP-28	8192	4096x16	512	25	40	5.09	5.03	4.98	4.82
579-PIC18F4320-I/P	PIC18F4320-I/P	PDIP-40	8192	4096x16	512	36	40	5.59	5.52	5.46	5.29
♦579-PIC18F242-I/SO	PIC18F242-I/SO	SOIC-28	16384	8192x16	768	22	40	4.99	4.93	4.88	4.73
579-PIC18F242-I/SP	PIC18F242-I/SP	SPDIP-28	16384	8192x16	768	22	40	4.99	4.93	4.88	4.73
♦579-PIC18F248-I/SO	PIC18F248-I/SO	SOIC-28	16384	8192x16	768	23	40	5.99	5.91	5.85	5.67
579-PIC18F248-I/SP	PIC18F248-I/SP	SPDIP-28	16384	8192x16	768	23	40	5.99	5.91	5.85	5.67
579-PIC18F442-I/P	PIC18F442-I/P	PDIP-40	16384	8192x16	768	34	40	5.55	5.48	5.43	5.26
579-PIC18F448-I/P	PIC18F448-I/P	PDIP-40	16384	8192x16	768	34	40	6.13	6.05	5.99	5.81
579-PIC18F2539-I/SP	PIC18F2539-I/SP	SPDIP-28	24576	12288x16	1408	21	40	5.44	5.37	5.32	5.15
579-PIC18F4539-I/P	PIC18F4539-I/P	PDIP-40	24576	12288x16	1408	32	40	6.02	5.94	5.88	5.70
579-PIC18C252JW	PIC18C252/JW	WCDIP-28	32768	16384x16	1536	23	40	12.33	12.23	12.16	11.93
♦579-PIC18C252ISO	PIC18C252-I/SO	SOIC-28	32768	16384x16	1536	23	40	5.77	5.72	5.69	5.57
579-PIC18C252ISP	PIC18C252-I/SP	SPDIP-28	32768	16384x16	1536	23	40	5.77	5.72	5.69	5.57
♦579-PIC18F252-I/SO	PIC18F252-I/SO	SOIC-28	32768	16384x16	1536	23	40	5.44	5.37	5.32	5.15
579-PIC18F252-I/SP	PIC18F252-I/SP	SPDIP-28	32768	16384x16	1536	23	40	5.44	5.37	5.32	5.15
♦579-PIC18F258-I/SO	PIC18F258-I/SO	SOIC-28	32768	16384x16	1536	23	40	6.52	6.44	6.37	6.17
579-PIC18F258-I/SP	PIC18F258-I/SP	SPDIP-28	32768	16384x16	1536	23	40	6.52	6.44	6.37	6.17
579-PIC18F452-I/P	PIC18F452-I/P	PDIP-40	32768	16384x16	1536	34	40	6.02	5.94	5.88	5.70
579-PIC18F458-I/P	PIC18F458-I/P	PDIP-40	32768	16384x16	1536	34	40	6.61	6.53	6.46	6.26
♦579-PIC18F6520-I/PT	PIC18F6520-I/PT	TQFP-64	32768	16384x16	2048	52	40	6.89	6.80	6.73	6.52
♦579-PIC18F8520-I/PT	PIC18F8520-I/PT	TQFP-80	32768	16384x16	2048	68	40	7.24	7.15	7.07	6.85
♦579-PIC18F6585-I/PT	PIC18F6585-I/PT	TQFP-64	49152	24576x16	3328	52	40	8.31	8.20	8.12	7.87
♦579-PIC18F6525-I/PT	PIC18F6525-I/PT	TQFP-64	49152	24576x16	3840	52	40	7.74	7.64	7.57	7.33
♦579-PIC18F6680-I/PT	PIC18F6680-I/PT	TQFP-64	65536	62768x16	3328	52	40	8.91	8.80	8.71	8.44
♦579-PIC18F8680-I/PT	PIC18F8680-I/PT	TQFP-80	65536	32768x16	3328	68	40	9.29	9.17	9.08	8.80
♦579-PIC18F6620-I/PT	PIC18F6620-I/PT	TQFP-64	65536	32768x16	3840	52	40	10.19	10.06	9.96	9.65
♦579-PIC18F6621-I/PT	PIC18F6621-I/PT	TQFP-64	65536	32768x16	3840	52	40	8.31	8.20	8.12	7.87
♦579-PIC18F8620-I/PT	PIC18F8620-I/PT	TQFP-80	65536	62768x16	3840	68	40	10.34	10.21	10.10	9.79
♦579-PIC18F8621-I/PT	PIC18F8621-I/PT	TQFP-80	65536	62768x16	3840	68	40	8.71	8.60	8.51	8.25
♦579-PIC18F6720-I/PT	PIC18F6720-I/PT	TQFP-64	131072	65536x16	3840	52	40	11.33	11.18	11.07	10.73
♦579-PIC18F8720-I/PT	PIC18F8720-I/PT	TQFP-80	131072	65536x16	3840	68	40	11.51	11.36	11.25	10.90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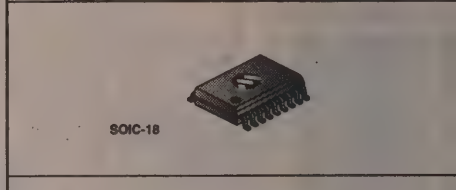
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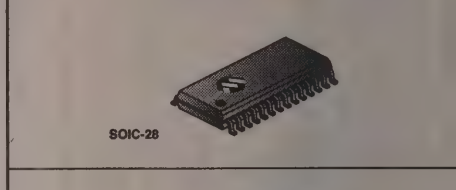
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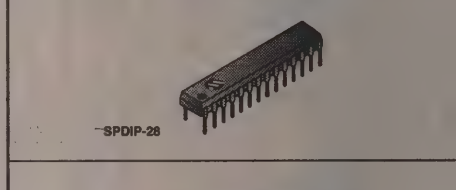
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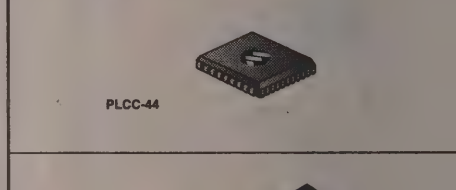
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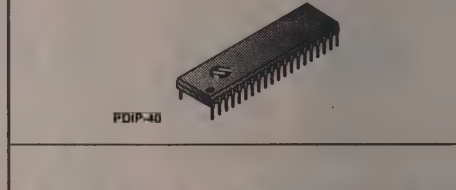
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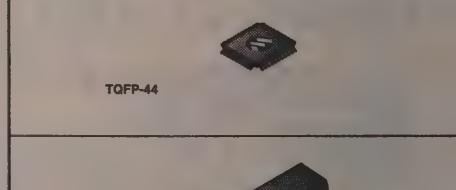
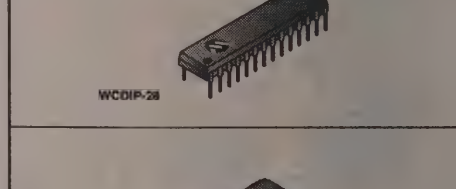
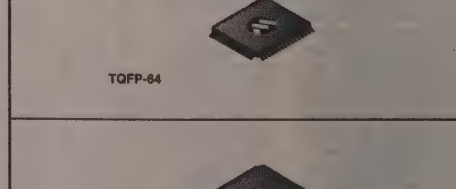
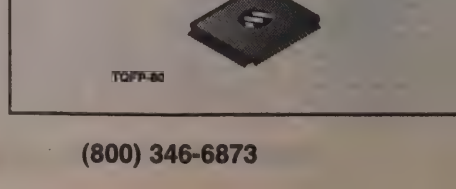

TQFP-44


WCDIP-28


TQFP-64


TQFP-80

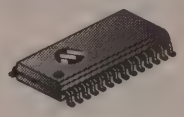
MICROCHIP dsPIC 16-Bit Digital Signal Controller

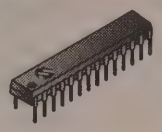
MICROCHIP

The dsPIC® Digital Signal Controller (DSC) from Microchip is a powerful 16-bit (data) modified Harvard RISC machine that combines the control advantages of a high-performance 16-bit microcontroller (MCU) with the high computation speed of a fully implemented digital signal processor (DSP) to produce a tightly coupled single-chip single-instruction stream solution for embedded systems design.

These dsPIC devices reach speeds of up to 30 MIPS, are very efficient for C programming, and have Flash, data EEPROM, powerful peripherals and a variety of software libraries that allow high performance embedded solutions to be designed effortlessly and in a short amount of time. With a familiar microcontroller architecture and design environment, these dsPIC digital signal controllers target applications such as motor control and power conversion, high-speed sensors, speech and audio, internet and modem connectivity, telecom, encryption and automotive applications.

QFN-28

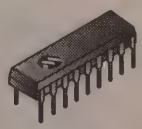

SOIC-28

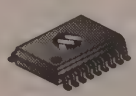

SPDIP-28

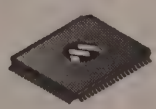
QFN-44

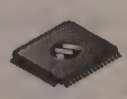
DIP-40

TQFP-44


DIP-18


SOIC-18


TQFP-80


TQFP-64

MICROCHIP DSPIC30F MOTOR CONTROL & POWER CONVERSION 16-BIT DIGITAL SIGNAL CONTROLLER

- 28, 40, 44, 64, and 80-pin packages scale to fit a wide range of I/O requirements
- Powerful peripherals needed for motor control and power conversion applications:
  - Motor control specific PWMs with dead-time compensation
  - Fast A/D converters with quad sample and hold circuits
  - Motor feedback quadrature encoder interface
  - Multiple serial interfaces including CAN, UART, SPI, and I2C

MOUSER STOCK NO.	Microchip Part No.	Package	Performance (MIPS)	Flash Memory	Price Each			
					1	25	50	100
579-30F2010-30I/MMG	DSPIC30F2010-30I/MMG	QFN-28	30	12KB	7.10	6.99	6.87	6.76
579-DS30F2010-30ISOG	DSPIC30F2010-30I/SOG	SOIC-28	30	12KB	6.92	6.87	6.77	6.58
579-DS30F2010-30ISPG	DSPIC30F2010-30I/SPG	SPDIP-28	30	12KB	6.94	6.89	6.79	6.60
579-DSPF301030IML	DSPIC30F3010-30I/ML	QFN-44	30	24KB	6.48	6.43	6.38	6.31
579-DSPF301030ISO	DSPIC30F3010-30I/SO	SOIC-28	30	24KB	6.30	6.25	6.20	6.13
579-DSPF301030ISP	DSPIC30F3010-30I/SP	SPDIP-28	30	24KB	6.33	6.28	6.23	6.16
579-DSPF301130IML	DSPIC30F3011-30I/ML	QFN-44	30	24KB	7.42	7.37	7.32	7.23
579-DSPF301130IP	DSPIC30F3011-30I/P	DIP-40	30	24KB	7.27	7.22	7.17	7.08
579-DSPF301130IPT	DSPIC30F3011-30I/PT	TQFP-44	30	24KB	7.30	7.25	7.20	7.11
579-30F4011-30I/ML	DSPIC30F4011-30I/ML	QFN-44	30	48KB	10.35	10.18	10.01	9.84
579-30F4011-30I/P	DSPIC30F4011-30I/P	DIP-40	30	48KB	10.24	10.07	9.90	9.73
579-30F4011-30I/PT	DSPIC30F4011-30I/PT	TQFP-44	30	48KB	10.26	10.21	10.16	9.75
579-DSPF401230IML	DSPIC30F4012-30I/ML	QFN-44	30	48KB	9.20	9.15	9.10	8.74
579-30F4012-30I/SO	DSPIC30F4012-30I/SO	SOIC-28	30	48KB	9.07	8.92	8.76	8.61
579-30F4012-30I/SP	DSPIC30F4012-30I/SP	SPDIP-28	30	48KB	9.09	8.94	8.78	8.63
579-DS30F6010-30I/PF	DSPIC30F6010-30I/PF	TQFP-80	30	144KB	19.98	19.88	19.68	18.98

MICROCHIP DSPIC30F SENSOR 16-BIT DIGITAL SIGNAL CONTROLLER

- Low-cost, high-performance devices
- 18 and 28-pin packages designed for space constrained applications
- Critical peripherals needed for sensor applications:
- 16-bit timer/Input capture/output compare/standard PWMs
- 12-bit A/D converters in 8 or 10 channel options
- Multiple serial interfaces including CAN, UART, SPI, and I2C

MOUSER STOCK NO.	Microchip Part No.	Package	Performance (MIPS)	Flash Memory	Price Each			
					1	25	50	100
579-DSPF301230IML	DSPIC30F3012-30I/ML	QFN-44	30	24KB	5.23	5.18	5.13	5.09
579-DSPF301230IP	DSPIC30F3012-30I/P	DIP-18	30	24KB	5.08	5.03	4.98	4.95
579-DSPF301230ISO	DSPIC30F3012-30I/SO	SOIC-18	30	24KB	5.08	5.03	4.98	4.95
579-DSPF301330IML	DSPIC30F3013-30I/ML	QFN-44	30	24KB	6.07	6.02	5.97	5.91
579-DSPF301330ISO	DSPIC30F3013-30I/SO	SOIC-28	30	24KB	5.89	5.84	5.79	5.73
579-DSPF301330ISP	DSPIC30F3013-30I/SP	SPDIP-28	30	24KB	5.92	5.87	5.82	5.76

MICROCHIP DSPIC30F GENERAL PURPOSE 16-BIT DIGITAL SIGNAL CONTROLLER

- 40, 44, 64, and 80-pin packages scale to fit a wide range of I/O requirements
- Robust complement of powerful peripherals for a wide range of applications:
- 16-bit timer/Input capture/output compare/standard PWMs
- 12-bit A/D converters
- Multiple serial interfaces including CAN, UART, SPI, and I2C
- Codec interface supports the I2S and AC97 processes

MOUSER STOCK NO.	Microchip Part No.	Package	Performance (MIPS)	Flash Memory	Price Each			
					1	25	50	100
579-DSPF301430IML	DSPIC30F3014-30I/ML	QFN-44	30	24KB	7.81	7.76	7.71	7.42
579-DSPF301430IP	DSPIC30F3014-30I/P	DIP-40	30	24KB	7.63	7.58	7.53	7.25
579-DSPF301430IPT	DSPIC30F3014-30I/PT	TQFP-44	30	24KB	7.66	7.61	7.56	7.28
579-DSPF401330IML	DSPIC30F4013-30I/ML	QFN-44	30	48KB	10.03	9.98	9.93	9.53
579-DSPF401330IP	DSPIC30F4013-30I/P	DIP-40	30	48KB	9.86	9.81	9.76	9.36
579-DSPF401330IPT	DSPIC30F4013-30I/PT	TQFP-44	30	48KB	9.89	9.84	9.79	9.39
579-DS30F5013-30I/PT	DSPIC30F5013-30I/PT	TQFP-80	30	66KB	13.68	13.58	13.38	13.00
579-DS30F6011-30I/PF	DSPIC30F6011-30I/PF	TQFP-64	30	132KB	16.53	16.43	16.23	15.70
579-DS30F6012-30I/PF	DSPIC30F6012-30I/PF	TQFP-64	30	144KB	18.43	18.33	18.13	17.51
579-DS30F6013-30I/PF	DSPIC30F6013-30I/PF	TQFP-80	30	132KB	17.54	17.44	17.24	16.66
579-DS30F6014-30I/PF	DSPIC30F6014-30I/PF	TQFP-80	30	144KB	19.47	19.37	19.17	18.50

MICROCHIP Demonstration Boards & Kits

PICDEM Z ZIGBEE™ DEMONSTRATION KIT

The PICDEM™ Z demonstration kit is an easy-to-use ZigBee™ Technology wireless communication protocol development and demonstration platform. The demonstration kit includes the ZigBee protocol stack and two PICDEM Z boards, each with an RF daughter card. The demonstration board is also equipped with a 6-pin modular connector to interface directly with Microchip's MPLAB® ICD 2 in-circuit debugger (DV164005).

Key Features of the PICDEM Z Demonstration Kit Includes:

- ZigBee software stack supporting RFD (Reduced Function Device), FFD (Full Function Device) and Coordinator
- PIC18LF4620 MCU featuring nanoWatt Technology, 64 KB Flash memory and robust integrated peripherals
- RF transceiver and antenna interface via daughter card for flexibility
- Supports 2.4 GHz frequency band via Chipcon CC2420 RF transceiver
- ICSP and MPLAB ICD 2 interface connector
- RS-232 interface
- 9V DC to 3.3V DC regulator
- Temperature sensor (Microchip TC77), LEDs and button switches to support demonstration

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-DM163027-2	DM163027-2	PICDEM Z Demonstration Kit	199.00

PICKIT™ 1 8/14-PIN FLASH STARTER KIT

The PICkit™ 1 FLASH Starter Kit is a low-cost development kit with an easy-to-use interface for programming Microchip's 8-/14-pin FLASH family of microcontrollers. This starter kit is designed to help the user get up to speed quickly using PIC® microcontrollers.
The kit provides everything needed to program, evaluate and develop applications using Microchip's powerful 8-/14-pin FLASH family of microcontrollers. Instructions are provided in a series of seven tutorials that cover I/O, Interrupts, A/D Converters, Comparators, Data Tables and Timers. All source code files for the tutorials are furnished.

Features:

- PICkit 1 Circuit Board with 8-pin PIC12F675
- PICkit 1 FLASH Starter Kit CD-ROM, including the HI-TECH PICC™ LITE C Compiler
- Software and Hardware "Tips 'n Tricks" for 8-pin FLASH PIC Microcontrollers booklet
- USB Interface Cable
- MPLAB® Integrated Development Environment CD-ROM

System Requirements/Supported Operating Systems:

- Windows 98 Second Edition
- Windows ME
- Windows 2000
- Windows XP
- Available USB Port

Important Note: The PICkit(tm) 1 FLASH Starter Kit software will not run on Windows 98 1st edition.

DO NOT INSTALL THIS SOFTWARE ON WINDOWS 98 1ST EDITION

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-DV164101	DV164101	PICkit 1 8/14P Flash Starter Kit	36.00

PICMICRO DEMONSTRATION KITS

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-DM183020	DM183020	PIC18Fxx20 64/80L TQFP Demo Board	49.00
579-DM163001	DM163001	PICDEM 1 PIC16C5X, 55X, 62X, CE62X, 71, 710, 711, 715, 770, 771, 83, 84, PIC17C42, 43, 44 Demo Board	99.00
579-DM173001	DM173001	PICDEM 17 PIC17CXX Development Kit	199.00
579-DM163022	DM163022	PICDEM 2 Plus 'PIC16C62, 63, 64, 65, 66, 67, 72, 73, 74, 76, 77, 87X, 773, 774, 18CXX2, 662, 642, 18FXXX Demo Board w/ ICD interface	99.00
579-DM163003	DM163003	PICDEM 3 PIC16C923, 924 LCD Demo board	129.00
579-DM163014	DM163014	PICDEM 4 Demo Board for PIC12F629, 675, PIC16F630, 676, 684, 627A, 628A, 648A, 818, 819, 87, 88, 1220, 1320	129.00
579-DM183011	DM183011	PICDEM MC Demo Board	299.00
579-AC164104	AC164104	rfPIC 315 Mhz Receiver	25.00
579-AC164102	AC164102	rfPIC 315 Mhz Transmitter	30.00
579-AC164103	AC164103	rfPIC 433 Mhz Receiver	25.00
579-AC164101	AC164101	rfPIC 433 Mhz Transmitter	30.00
579-DV164102	DV164102	rfPICkit Development Kit 1	135.00

CONNECTIVITY DEMONSTRATION KITS

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-DM163008	DM163008	MCP2120/2150 Developers Kit for IR communication	279.00
579-DV250501	DV250501	MCP250XX CAN Developer's Kit	165.00
579-DV251001	DV251001	MCP2510/2515 CAN Developer's Kit	239.00
579-DM163007	DM163007	PICDEM CAN-LIN 1 for PIC18C658/858	199.00
579-DM163011	DM163011	PICDEM CAN-LIN 2 for PIC18FXX8	199.00
579-DM163015	DM163015	PICDEM CAN-LIN 3	199.00
579-DM163005	DM163005	PICDEM LIN PIC16C432/433 LIN buss Evaluation Kit	445.00
579-DM163010	DM163010	PICDEM USB Demonstration Board for PIC16C7X5	125.00
579-DM163004	DM163004	PICDEM.net Demo Board w/TCP/IP	299.00

MIXED SIGNAL CONTROL DEMONSTRATION KITS

579-AC163001	AC163001	MSC 1 Switch Mode Power Supply Demo Board	55.00
579-AC163002	AC163002	MSC 1 Infrared Driver Demo Board	79.00
579-AC163003	AC163003	MSC 1 Delta-Sigma ADC Demo	49.00
579-AC163004	AC163004	MSC 1 Flow Rate Sensor Demo	49.00
579-DM163012	DM163012	Mixed Signal Controller Demonstration Board for PIC16C781/782	99.00

DSPIC 16 BIT DSC DEMONSTRATION BOARDS

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-DM300014	DM300014	dsPICDEM 1.1 General Purpose Demo Board	299.00
579-DM300020	DM300020	dsPICDEM MC1 Motor Control Development Board	300.00
579-DM300021	DM300021	dsPICDEM MC1H 3-Phase High Voltage Power Module	800.00
579-DM300022	DM300022	dsPICDEM MC1L 3-Phase Low Voltage Power Module	700.00
579-DM300016	DM300016	dsPICDEM Starter Demo Board	79.00
579-DM300004-1	DM300004-1	dsPICDEM.net 1 Demo Board (FCC/JATE PSTN Support, Ethernet NIC Support)	389.00
579-DM300004-2	DM300004-2	dsPICDEM.net 2 Demo Board (CTR-21 PSTN Support, Ethernet NIC Support)	389.00

DSPIC 16 BIT DSC SOFTWARE TOOLS

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-SW300010	SW300010	dsPIC30F Speech Recognition Library up to 5K units	1,450.00
579-SW300011	SW300011	dsPIC30F Speech Recognition Library up to 25K units	3,950.00
579-SW300012	SW300012	dsPIC30F Speech Recognition Library up to 100K units	9,750.00
579-SW300003	SW300003	dsPIC30F V.32 (non-trellis) Soft Modem Library up to 5K units	1,450.00
579-SW300004	SW300004	dsPIC30F V.32 (non-trellis) Soft Modem Library up to 25K units	3,950.00
579-SW300005	SW300005	dsPIC30F V.32 (non-trellis) Soft Modem Library up to 100K units	9,750.00
579-SW300001	SW300001	Visual Filter Designer	249.00

DEMO AND EVKITS FOR PICMICRO

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-DV103002	DV103002	125KHz Anti-collision microID Developer's Kit	999.00
579-DV103001	DV103001	125KHz microID Developer's Kit	999.00
579-DV103003	DV103003	13.56MHz Anti-collision microID Developer's Kit	999.00
579-DM300017	DM300017	dsPICDEM 28P Starter	79.00
579-DM303006	DM303006	General Purpose Keeloq Evaluation Kit (replaces DM303002)	249.00
579-DM303005	DM303005	Keeloq Evaluation Transponder Kit II HCS410/412 (Replaces DM303003)	399.00
579-DV103006	DV103006	MCRF 355/450 Developers Kit supporting MCRF 355/360/450/451/452/455 devices	1,500.00
579-DV164006	DV164006	MPLAB In-Circuit Debugger 2 Evaluation Kit	229.00
579-DV164032	DV164032	MPLAB ICD 2 with dsPICDEM 1.1 Demo Board	399.00
579-DV164030	DV164030	MPLAB ICD 2 with dsPICDEM Starter Demo Board	209.00
579-DV164005	DV164005	MPLAB In-Circuit Debugger 2 Module (ICD 2 Module and USB cable)	159.00
579-DV164007	DV164007	MPLAB In-Circuit Debugger 2 Module ws (ICD 2 Module, USB & RS232 cable, Pwr Spl)	188.00
579-DVMCPA	DVMCPA	MXDEV 1 Analog Evaluation System Driver Board	169.00
579-DV3204A	DV3204A	MXDEV 1 MCP30XX-33XXX Quad/Octal Daughter Board (requires DVMCPA)	89.00
579-DV3201A	DV3201A	MXDEV 1 MCP30XX-33XXX Single/Dual Daughter Board (requires DVMCPA)	89.00
579-DV003001	DV003001	PICSTART supp. PIC12CXXX, 14000, 16C5X, 16C6X, 16CXXX, 16C7X, 16C7XX, 16C8X, 16F8X, 16F87X, 16C9XX, 17CXX, 17CXXX, PIC18CXXX, PIC18FXXX	199.00
579-DV007003	DV007003	Production Programmer/Development Kit Programs PICmicro Series, Serial E2 24, 93 Series and HCS Series	695.00
579-DV007004	DV007004	Production Programmer/Development Kit with built-in ICSP. Programs PICmicro & dsPIC30F devices.	895.00
579-DV243002	DV243002	SERIAL EEPROM Evaluation Kit for Windows	119.00

MPLAB CXX COMPILER

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-SW006010	SW006010	C Compiler for PIC17CXXX Family	495.00
579-SW006011	SW006011	C Compiler for PIC18XXXX Family	495.00
579-SW006012	SW006012	C Compiler for dsPIC30FXXXX Family	895.00

FAN SPEED CONTROLLER AND DIGITAL THERMOMETER DEMO BOARDS

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-TC642DEMO	TC642DEMO	Demo Board for TC642/646/647/648/649, Fan Speed Controllers	89.00
579-TC650DEMO	TC650DEMO	Demo Board for TC650/651, Fan Speed Controllers	49.00
579-TC652DEMO	TC652DEMO	Demo Board for TC652/653, Fan Speed Controllers	49.00
579-TC74DEMO	TC74DEMO	Demo Board for TC74, Tiny Serial Digital Thermal Sensor	49.00

MICROCHIP PLAB® ICE 2000 AND MPLAB® ICE 4000 EMULATOR SYSTEMS

How Do I Order MPLAB ICE?

Ordering MPLAB ICE is as easy as 1, 2, and 3!
1: Choose your PICmicro MCU.
2: Choose your PICmicro package.
3: Find the right line on the next few pages for MPLAB ICE part numbers. You're ready to order.

MPLAB ICE is a modular emulator system with interchangeable components allowing the system to be easily configured to emulate different PICmicro MCUs. Since this emulator supports package-specific emulation, customers need to know which device and package they intend to emulate. Then, the customer can use the Cross Reference Parts List on the following pages to identify the part numbers required to complete an MPLAB ICE system.

A complete system consists of:
- An emulator pod (including among other things the host-to-pod parallel cable and power supply)
- A processor module
- A device adapter
- A transition socket

An MPLAB ICE emulator system is ordered as separate components. Knowing the terms will make it easy to order and use the MPLAB ICE emulator system. Read more about each component:

- **Emulator Pod:**
  The MPLAB ICE 2000 and MPLAB ICE 4000 are full-featured emulator pods containing a main board with an additional board for expanded trace memory and complex control logic. The pods come with a standard parallel interface cable that connects the pods to the parallel port of the PC and a power supply. MPLAB ICE 4000 also includes a USB interface cable that connects the pod to the USB port.
- **Processor Module:**
  The processor module is a PICmicro, device-specific module that is inserted into the emulator pod. The processor module contains the emulator chip, logic, and low-voltage circuitry. A flex cable extends from the processor module and is connected to the device adapter at the target application.
- **Device Adapter:**
  The device adapter provides a common interface for the PICmicro MCU being emulated. This adapter contains a special device that provides an oscillator clock allowing the user to accurately emulate the RC characteristics of the PICmicro MCU. The device adapter provides emulation support for standard DIP and PLCC styles. For emulation support of other packages, a transition socket is needed along with the device adapter.
- **Transition Socket:**
  The transition sockets are available in various styles to allow the common device adapter to be translated to support surface-mount packages, such as SOIC, SSOP, PQFP, TQFP and MLF.

MPLAB ICE 2000/4000 Accessories

MOUSER STOCK NO.	Microchip Part No.	Descriptions	Price Each
579-ACICE0107	ACICE0107	2000 Flex Cable	55.00
579-ACICE0104	ACICE0104	2000 Logic Probes	60.00
579-ACICE0105	ACICE0105	2000 Parallel Cable	40.00
579-ACICE0103	ACICE0103	2000 Power Supply	50.00
579-ICE2000	ICE2000	2000 Universal Emulator Pod Kit	1,525.00
579-ACICE0106	ACICE0106	2000/4000 Tripod	30.00
579-ICE4000	ICE4000	4000 Emulator Pod Kit	2,560.00
579-ACICE0407	ACICE0407	4000 Flex Cable	55.00
579-ACICE0402	ACICE0402	4000 Logic Probe	60.00
579-ACICE0401	ACICE0401	4000 Power Supply	50.00
579-ACICE0403	ACICE0403	4000 Slim Parallel Cable	40.00

Socket Modules

579-AC004004	AC004004	ICSP Programming for PRO MATE II	349.00
579-AC124001	AC124001	PIC12C50X, 50XA, 51X, 67X, CE67X, 16C505(DIP) DIP/SOIC (208 mil) PRO MATE II	129.00
579-AC124002	AC124002	RFPIC12CXXX, 18SOIC / 20 SSOP	159.00
579-AC164001	AC164001	PIC16C52, 54, HV540, 55, 56, 57, 58A, HCS5XX PDIP PRO MATE II 18 & 28 LD	159.00
579-AC164002	AC164002	PIC16C52, 54, HV540, 55, 56, 57, 58A, HCS5XX SOIC PRO MATE II 18 & 28 LD	159.00
579-AC164010	AC164010	PIC16C55X, 61, 62X, CE62X, F62X, 71, 71X, 83, 84 PDIP/SOIC PRO MATE II 18 LD	189.00
579-AC164012	AC164012	PIC16C62, 63, 64, 65, 66, 67, 642, 662, 72, 73, 74, 745, 76, 765, 77, 773, 774, F87X, 18CXX2 PDIP PRO MATE II 28 & 40 LD (and "A" & "B" Versions)	159.00
579-AC164013	AC164013	PIC16C64, 65, 662, 67, 74, 765, 77, 774, F871, 874, 877, 18C4X2 PLCC PRO MATE II 44 LD	159.00
579-AC164014	AC164014	PIC16C64, 65, 662, 67, 74, 77, 774, 874, 877 PQFP PRO MATE II 44 LD	159.00
579-AC164015	AC164015	PIC16C54, HV540, 55, 56, 57, 58 SSOP PRO MATE II 20 & 28 LD	209.00
579-AC164017	AC164017	PIC16C62, 63, 66, 642, 72, 73, 745, 76, 773, F870, 873, 876, 18C2X2 SOIC PRO MATE II 28 LD	159.00
579-AC164018	AC164018	PIC16C62X, CE62X, F62X, C71X, 770, 771, 554, 558 SSOP PRO MATE II 20 LD	159.00
579-AC164020	AC164020	PIC16C64, 65, 662, 67, 74, 765, 77, 774, F871, 874, 877, 18C4X2 TQFP PRO MATE II 44 LD	159.00
579-AC164021	AC164021	PIC16C62, 63A, 72, 73B, 745, 773, F870 SSOP PRO MATE II 28 LD	189.00
579-AC164022	AC164022	PIC16C924 PLCC PRO MATE II 68 LD	159.00
579-AC164023	AC164023	PIC16C923, 924 TQFP PRO MATE II 68 LD	159.00
579-AC164025	AC164025	PIC16C923, 924 SDIP PRO MATE II 64 LD	159.00

Socket Modules (cont.)

MOUSER STOCK NO.	Microchip Part No.	Descriptions	Price Each
579-AC164026	AC164026	PIC12F629, 675, PIC16C505, 51X, 50XA, PIC16F630, 676 SOIC/TSSOP (150 mil) PRO MATE II 8 & 14 LD	159.00
579-AC164028	AC164028	PIC16C717, 770, 771 PDIP / SOIC for PROMATE II 20LD	159.00
579-AC164029	AC164029	PIC16C432 DIP/SSOP PRO MATE II 20 LD	159.00
579-AC164030	AC164030	PIC16C433 DIP/SOIC PRO MATE II 18 LD	159.00
579-AC164035	AC164035	PIC18F2x31 28L SOIC	159.00
579-AC164036	AC164036	PIC18F2x31 28L DIP	159.00
579-AC164301	AC164301	18L/28L/40L DIP for MPLAB PM3	189.00
579-AC164302	AC164302	16L (.150"), 28L (.300") SOIC for MPLAB PM3	189.00
579-AC164303	AC164303	64L TQFP for MPLAB PM3	189.00
579-AC164304	AC164304	80L TQFP for MPLAB PM3	189.00
579-AC164305	AC164305	44L TQFP for MPLAB PM3	189.00
579-AC164306	AC164306	20L TSSOP for MPLAB PM3	189.00
579-AC164307	AC164307	28L SSOP for MPLAB PM3	189.00
579-AC164308	AC164308	68L PLCC for MPLAB PM3	189.00
579-AC164309	AC164309	44L PLCC for MPLAB PM3	189.00
579-AC164310	AC164310	84L PLCC for MPLAB PM3	189.00
579-AC164311	AC164311	44L MQFP for MPLAB PM3	189.00
579-AC164312	AC164312	16L (.208") SOIC for MPLAB PM3	189.00
579-AC164313	AC164313	64L PF (14x14) for MPLAB PM3	189.00
579-AC164314	AC164314	80L PF (14x14) for MPLAB PM3	189.00
579-AC164350	AC164350	PROMATE II to MPLAB PM3 Adapter	129.00
579-AC174001	AC174001	PIC17C42A, 43, 44 PDIP PRO MATE II 40 LD	159.00
579-AC174002	AC174002	PIC17C42A, 43, 44 PLCC PRO MATE II 44 LD	159.00
579-AC174004	AC174004	PIC17C42A, 43, 44 PQFP PRO MATE II 44 LD	159.00
579-AC174005	AC174005	PIC17C42A, 43, 44 TQFP PRO MATE II 44 LD	159.00
579-AC174007	AC174007	PIC17C75X, 18C858 PLCC PRO MATE II 68 LD	159.00
579-AC174008	AC174008	PIC17C75X, 18C858 TQFP PRO MATE II 64 LD	159.00
579-AC174009	AC174009	PIC17C75X SDIP PRO MATE II 64 LD	159.00
579-AC174011	AC174011	PIC17C76X, 18C858 TQFP PRO MATE II 80 LD	159.00
579-AC174012	AC174012	PIC17C76X, 18C858 PLCC PRO MATE II 84 LD	159.00
579-AC254001	AC254001	MCP250XX, 14 PDIP, 14 SOIC PRO MATE II	159.00
579-AC30F003	AC30F003	dsPIC30F 40L DIP	159.00
579-AC30F004	AC30F004	dsPIC30F 28L SDIP/SOIC	189.00
579-AC30F005	AC30F005	dsPIC30F 18L DIP/SOIC	189.00
579-AC30F006	AC30F006	dsPIC30F 44L TQFP	159.00
579-AC30F007	AC30F007	dsPIC30F 80L TQFP	159.00
579-AC30F008	AC30F008	dsPIC30F 64L TQFP	159.00

Header Interfaces

579-AC162050	AC162050	(8 PDIP) for PIC12F629/675 ICD 2	25.00
579-AC162051	AC162051	(28/40 PDIP) for ICD and ICD 2 debuggers	19.00
579-AC162052	AC162052	(14 PDIP) for PIC16F676/630 ICD 2	25.00
579-AC162053	AC162053	MPLAB ICD 2 for PIC16F627A, 628A, 648A (18 PDIP)	35.00
579-AC162054	AC162054	MPLAB ICD 2 for PIC16F716 (18 PDIP)	35.00
579-AC162055	AC162055	MPLAB ICD 2 for PIC16F684 (14 PDIP)	25.00
579-AC162056	AC162056	MPLAB ICD 2 for PIC16F688 (14 PDIP)	25.00
579-ACICE0301	ACICE0301	8P SOIC	20.00
579-ACICE0302	ACICE0302	14P SOIC	40.00
579-ACICE0303	ACICE0303	18P SOIC	40.00
579-ACICE0304	ACICE0304	20P SSOP	55.00
579-ACICE0305	ACICE0305	20P SOIC	55.00
579-ACICE0306	ACICE0306	28P SOIC	55.00
579-ACICE0307	ACICE0307	28P SSOP	55.00
579-XLT20SS1	XLT20SS1	20 LD (209 mil SS) 20 LD Shrink Small Outline Transition Socket	75.00

Transition Sockets

579-XLT08DFN	XLT08DFN	8 LD DFN	75.00
579-XLT08SO	XLT08SO	8 LD (150 & 208 mil SOIC) Small Outline	35.00
579-XLT14SO	XLT14SO	14 LD (150 & 208 mil SOIC) Small Outline	35.00
579-XLT14SS	XLT14SS	14 LD PDIP to 4.4mm TSSOP	75.00
579-XLT18SO	XLT18SO	18 LD (300 mil SOIC) Small Outline	75.00
579-XLT20SO1	XLT20SO1	20 LD (300 mil SO) Small Outline	75.00
579-XLT20SS	XLT20SS	20 LD (209 mil SSOP) 18 LD Shrink Small Outline	75.00
579-XLT28QFN	XLT28QFN	28 LD QFN	175.00
579-XLT28QFN2	XLT28QFN2	28 LD QFN to 18 LD DIP	175.00
579-XLT28SO	XLT28SO	28 LD (300 mil SOIC) Small Outline	75.00
579-XLT28SS	XLT28SS	28 LD (209 mil SSOP) Small Outline	75.00

MICROCHIP Development System Products & Accessories

MICROCHIP PLAB® ICE 2000 AND MPLAB® ICE 4000 EMULATOR SYSTEMS (CONT.)

Transition Sockets (cont.)

MOUSER STOCK NO.	Microchip Part No.	Descriptions	Price Each
579-XLT28SS2	XLT28SS2	28 LD (209 mil SSOP) Small Outline for PIC16C55, 55A, 57, 57C	75.00
579-XLT28XP	XLT28XP	28 LD (300 mil to 600 mil) PDIP	75.00
579-XLT44L2	XLT44L2	44L PLCC ICE4000 DAF18-3 PIC18F452/442	175.00
579-XLT44PT	XLT44PT	44 LD Plastic Quad Flatpack (PQFP) and Thin Quad Flatpack (TQFP)	125.00
579-XLT44QFN	XLT44QFN	44L QFN to 40L DIP	175.00
579-XLT64PT1	XLT64PT1	64 LD Plastic Thin Quad Flatpack (TQFP) for PIC16C92X	125.00
579-XLT64PT2	XLT64PT2	64 LD Plastic Thin Quad Flatpack (TQFP) for PIC17C75X, PIC18C6X8, PIC18C601, PIC18F8X8X	125.00
579-XLT64PT3	XLT64PT3	64 LD Plastic Thin Quad Flatpack (TQFP) (.8 mm pitch)	125.00
579-XLT68L1	XLT68L1	68 LD PLCC PIC18C601	175.00
579-XLT80PT	XLT80PT	80 LD Plastic Thin Quad Flatpack (TQFP) for PIC18C801	125.00
579-XLT80PT2	XLT80PT2	80 LD Plastic Thin Quad Flatpack (TQFP) (.65 mm pitch)	125.00
579-XLT84L1	XLT84L1	84 LD PLCC for PIC18C801	175.00

Device Adapters, Adapter Plugs and Kits

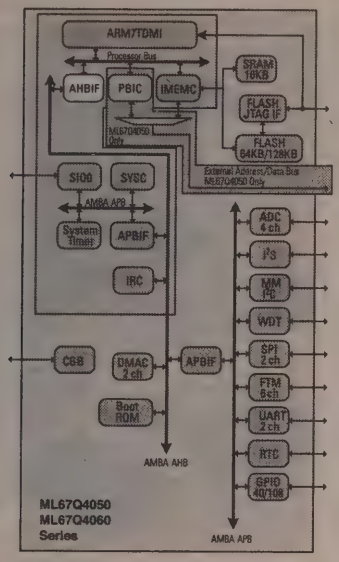
579-AC162046	AC162046	Kit 44LD MQFP for PIC16C64/65	45.00
579-AC164024	AC164024	PIC16C923, 924, 17C75X PLCC Socket for PICSTART Plus - 68 LD	129.00
579-AC164027	AC164027	PIC17C76X PLCC Socket for PICSTART Plus 84 LD	159.00
579-AC164031	AC164031	28L QFN to 28L DIP for PICSTART Plus & PROMATE II w/AC164012	159.00
579-AC164032	AC164032	8L DFN to 8L DIP for PICSTART Plus & PROMATE II w/AC164012	159.00
579-AC164033	AC164033	28L QFN to 18L DIP for PICSTART Plus & PROMATE II w/AC164012	159.00
579-AC164034	AC164034	44L QFN to 40L DIP for PICSTART Plus & PROMATE II w/AC164012	159.00
579-ACICE0201	ACICE0201	8PDIP 300 mil plug	20.00
579-ACICE0202	ACICE0202	18PDIP 300 mil plug	20.00
579-ACICE0203	ACICE0203	20PDIP 300 mil plug	20.00
579-ACICE0204	ACICE0204	28PDIP 300 mil plug	30.00
579-ACICE0205	ACICE0205	28PDIP 600 mil plug	30.00
579-ACICE0206	ACICE0206	40PDIP 600 mil plug	40.00
579-ACICE0207	ACICE0207	14PDIP 300 mil plug	20.00
579-DAF18-1	DAF18-1	PIC18F 64L/84L ICE4000	225.00
579-DAF18-2	DAF18-2	PIC18F 44L ICE4000	225.00
579-DAF18-3	DAF18-3	PIC18F 44L ICE4000 PIC18F452/442	225.00
579-DAF30-2	DAF30-2	dsPIC30F 64L/80L TQFP/PLCC ICE4000	295.00
579-DAF30-3	DAF30-3	dsPIC30F 44L TQFP ICE4000	225.00
579-DAF30-4	DAF30-4	dsPIC30F 18L/28L/40L DIP ICE4000	225.00
579-DVA12XP080	DVA12XP080	PIC12C50X, CE51X PDIP and SOIC 8 LD	125.00
579-DVA12XP081	DVA12XP081	PIC12C67X, CE67X PDIP and SOIC 8 LD	125.00
579-DVA14XP280	DVA14XP280	PIC14000 SDIP, SOIC, and SSOP 28 LD	165.00
579-DVA16PQ441	DVA16PQ441	PIC16C64A, 65A, 65B, 67, 662, 74A, 74B, 765, 77, 774, F871,F871A, 874, 877, PIC18CXX2 PQFP and TQFP 44 LD	225.00
579-DVA16PQ640	DVA16PQ640	PIC16C923, 924, 925, 926 TQFP 64 LD	225.00
579-DVA16XL441	DVA16XL441	PIC16C64A, 65A, 65B, 67, 662, 74A, 74B, 765, 77, 774, F871, F871A, 874, 877, PIC18CXX2 PLCC 44 LD	165.00
579-DVA16XL680	DVA16XL680	PIC16C923, 924, 925, 926 PLCC 68 LD	225.00
579-DVA16XP140	DVA16XP140	PIC16C505 PDIP and SOIC 14 LD	125.00
579-DVA16XP141	DVA16XP141	PIC16F630/676 14P DIP	125.00
579-DVA16XP180	DVA16XP180	PIC16C52, 54, 54A, 54B, 56, 56A, 58A, 58B, 554, 558, 620, 620A, 621, 621A, 622, 622A, CE623, CE624, CE625, 71, 710, 711, 715, F83, F84, F84A PDIP, SOIC, and SSOP 18/20 LD	125.00
579-DVA16XP182	DVA16XP182	PIC16C712, 716 PDIP, SOIC, SSOP 18 LD	165.00
579-DVA16XP183	DVA16XP183	PIC16F627, 628 PDIP, SOIC, SSOP 18 LD	165.00
579-DVA16XP184	DVA16XP184	PIC16C717 PDIP 18 LD	165.00
579-DVA16XP185	DVA16XP185	PIC16C433 PDIP, SOIC, CERDIP	165.00
579-DVA16XP186	DVA16XP186	PIC16F818, 819 PDIP, SOIC, SSOP 18 LD	165.00
579-DVA16XP200	DVA16XP200	PIC16C717, 770, 771 P, SO, SS 20 LD	165.00
579-DVA16XP201	DVA16XP201	PIC16C432 PDIP,SSP, CERDIP	165.00
579-DVA16XP202	DVA16XP202	PIC16C781/782	165.00
579-DVA16XP280	DVA16XP280	PIC16C55, 55A, 57, 57C PDIP, SOIC, and SSOP 28 LD	125.00
579-DVA16XP282	DVA16XP282	PIC16C62A, 63, 63A, 642, 66, 72, 72A, 73A, 73B, 745, 76, 773, F870,F87A, F872,F872A, 873, 876, PIC18CXX2 P, SO, and SS 28 LD	165.00

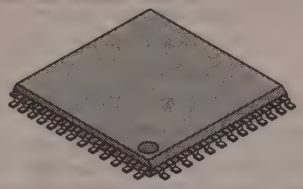
Device Adapters, Adapter Plugs and Kits (cont.)

MOUSER STOCK NO.	Microchip Part No.	Descriptions	Price Each
579-DVA16XP401	DVA16XP401	PIC16C64A, 65A, 65B, 67, 662, 74A, 74B, 765, 77, 774, F871, F871A, 874, 877, PIC18CXX2 PDIP 40 LD	165.00
579-DVA16XP640	DVA16XP640	PIC16C923, 924, 925, 926 SDIP 64 LD	225.00
579-DVA17PQ441	DVA17PQ441	PIC17C42A, 43, and 44 PQFP and TQFP 44 LD	225.00
579-DVA17PQ641	DVA17PQ641	PIC17C752, 756, and 756A TQFP 64 LD	225.00
579-DVA17PQ801	DVA17PQ801	PIC17C762 and 766 TQFP 80 LD	225.00
579-DVA17XL441	DVA17XL441	PIC17C42A, 43, and 44 PLCC 44 LD	165.00
579-DVA17XL681	DVA17XL681	PIC17C752, 756, and 756A PLCC 68 LD	225.00
579-DVA17XL841	DVA17XL841	PIC17C762 and 766 PLCC 84 LD	165.00
579-DVA17XP401	DVA17XP401	PIC17C42A, 43, and 44 PDIP 40 LD	125.00
579-DVA18PQ440	DVA18PQ440	PIC18F4220, 4320 TQFP 44 LD	225.00
579-DVA18PQ640	DVA18PQ640	PIC18C658 TQFP 64 LD	225.00
579-DVA18PQ800	DVA18PQ800	PIC18C858 TQFP 80 LD	225.00
579-DVA18PQ802	DVA18PQ802	PIC18F8680, 6680, 8565, 6585, 6621, 6525, 8621, 8525 64/80L	225.00
579-DVA18XL680	DVA18XL680	PIC18C658 PLCC 68 LD	225.00
579-DVA18XL840	DVA18XL840	PIC18C858 PLCC 84 LD	225.00
579-DVA18XP180	DVA18XP180	PIC18F1320, 1220, 16C717 PDIP 18 LD	165.00
579-DVA18XP280	DVA18XP280	PIC18F2220, 2320 PDIP 28LD	165.00
579-DVA18XP400	DVA18XP400	PIC18F4220, 4320 PDIP 40LD	165.00
579-MA300118	MA300118	dsPIC30F3012 18P DIP Unit (Note 1)	25.00
579-MA300128	MA300128	dsPIC30F3013 28P DIP Unit (Note 1)	25.00
579-MA300140	MA300140	dsPIC30F4013 40P DIP Unit (Note 1)	25.00
579-MA300228	MA300228	dsPIC30F4012 28P DIP Unit (Note 1)	25.00
579-MA300240	MA300240	dsPIC30F4011 40P DIP Unit (Note 1)	25.00

Processor Modules

579-PCM12XA0	PCM12XA0	PIC12C671, 672, CE673, CE674	445.00
579-PCM12XB0	PCM12XB0	PIC16F629, 675	445.00
579-PCM16XA0	PCM16XA0	PIC12C50X, CE51X, PIC16C505, 52, 54, 54A, 54B, 55, 55A, 56, 56A, 57, 57C, 58A, 58B	445.00
579-PCM16XB1	PCM16XB1	PIC16C62A, 63, 64A, 65A, 72, 73A, 74A	445.00
579-PCM16XC0	PCM16XC0	PIC16C554, 558, 620, 620A, 621, 621A, 622, 622A, CE623, CE624, CE625	445.00
579-PCM16XD0	PCM16XD0	PIC16C642, 662	445.00
579-PCM16XE1	PCM16XE1	PIC16C63A, 65B, 66, 67, 72A, 73B, 74B, 76, 77, 712, 716	445.00
579-PCM16XF0	PCM16XF0	PIC16C71, 710, 711	445.00
579-PCM16XG0	PCM16XG0	PIC16C715	445.00
579-PCM16XH1	PCM16XH1	PIC16F83, F84, F84A	445.00
579-PCM16XJ0	PCM16XJ0	PIC16C923, 924	445.00
579-PCM16XK1	PCM16XK1	PIC16F87X w/ RTMR	445.00
579-PCM16XL0	PCM16XL0	PIC16C773, 774	445.00
579-PCM16XN1	PCM16XN1	PIC16C717, 770, 771	445.00
579-PCM16XP0	PCM16XP0	PIC16F627, 628	445.00
579-PCM16XQ1	PCM16XQ1	PIC16C745, 765	445.00
579-PCM16XR1	PCM16XR1	PIC16F870, 871	445.00
579-PCM16XS2	PCM16XS2	PIC16F7X w/ RTMR	445.00
579-PCM16XT0	PCM16XT0	PIC16C925/926	445.00
579-PCM16XV0	PCM16XV0	PIC16F877A, 876A, 874A, 873A, 872A, 871A, 870A	445.00
579-PCM16XW0	PCM16XW0	PIC16C781/782	445.00
579-PCM16YB0	PCM16YB0	PIC16C432	445.00
579-PCM16YC0	PCM16YC0	PIC16C433	445.00
579-PCM16YD0	PCM16YD0	PIC16F630, 676	445.00
579-PCM16YE0	PCM16YE0	PIC16F818, 819	445.00
579-PCM16YF0	PCM16YF0	PIC16F627A, 628A	445.00
579-PCM16YG0	PCM16YG0	PIC16F87/88	445.00
579-PCM16YH0	PCM16YH0	PIC16F777, 767, 747, 737	445.00
579-PCM17XA0	PCM17XA0	PIC17C42A, 43, 44, 752, 756, 756A, 76X	445.00
579-PCM18XA0	PCM18XA0	PIC18CXX2	445.00
579-PCM18XB0	PCM18XB0	PIC18CXX8	445.00
579-PCM18XC1	PCM18XC1	PIC18F242, 252, 442, 452	445.00
579-PCM18XD1	PCM18XD1	PIC18F248, 258, 448, 458	445.00
579-PCM18XE1	PCM18XE1	PIC18F6620, 6720, 8620, 8720	445.00
579-PCM18XH0	PCM18XH0	PIC18F242, 252, 442, 452, 2220, 2320, 4220, 4320	445.00
579-PCM18XJ0	PCM18XJ0	PIC18F1320, 1220	445.00
579-PCM18XK0	PCM18XK0	PIC18F8680, 6680, 8565, 6585, 6621, 6525, 8621, 8525	445.00
579-PCM18XL0	PCM18XL0	PIC18F4431, 4331, 2431, 2331	445.00
579-PMF18WA1	PMF18WA1	PIC18F6620, 6720, 8620, 8720, 8520, 6520 ICE4000	595.00
579-PMF18WC0	PMF18WC0	PIC18F2X2, 4320, 2320, 4220, 2220 ICE4000	595.00
579-PMF18WD0	PMF18WD0	PIC18F1320, 1310 ICE4000	595.00
579-PMF18WE0	PMF18WE0	PIC18F8680, 6680, 8565, 6585, 6621, 6525, 8621, 8525 ICE4000	595.00
579-PMF30XA1	PMF30XA1	dsPIC30F ICE4000 *	595.00





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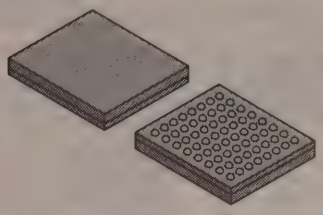

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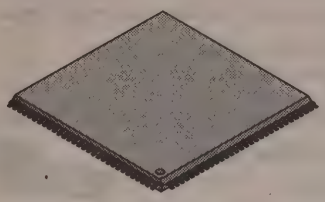
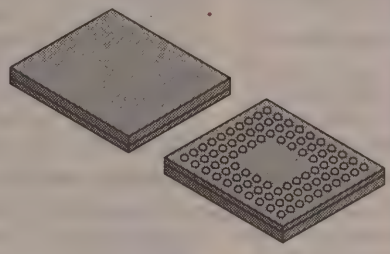
WCSP-64



LQFP-144



BGA-84

ki Semiconductor ML67Q4050/4060 SERIES

he World's Smallest ARM®

e Advantage Microcontroller™ 4050 Series and 4060 Series are the latest product offerings in Oki Semiconductor's growing lineup of ARM® products. These devices use the 32-bit ARM7TDMI™ core with a oice of either 64KBytes or 128KBytes of 32-bit wide, zero wait state embedded Flash.

e architecture allows full speed zero wait state execution of 32-bit ARM code from Flash and SRAM. These devices contain 16KBytes of SRAM, multiple serial channels (UARTs, I^2C, I^2S and SPI), as well multiple timers, A/D converter channels, RTC, WDT, direct drive LED capability, and direct interfaces to Oki's ML7029 ADPCM and MSM7716 Linear Codecs.

h no external bus, the 4060 Series has the world's smallest packaged ARM-based microcontroller (5.09 mm x 4.84 mm W-CSP package option.) The 4050 Series expands on the base feature set with an ernal address and data bus and additional I/O capabilities. The integration of the ARM core, capable of executing either the 32-bit ARM or the 16-bit THUMB instructions, a robust offering of peripherals and low-power consumption feature targets these parts to a variety of consumer, medical and industrial applications.

etures:

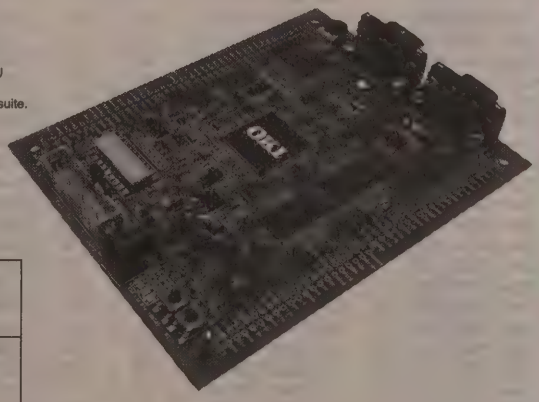
- lax Frequency (Single Cycle FLASH): 33.333 MHz
- ystem Timer: 1
- MA: 2 Channel
- 3-bit Real Time Clock: 1
- 3-bit Watchdog Timer: 1
- 16-bit Flexible Timer (AR/IC/OC/PW): 6 Channel
- 10-bit A/D: 4
- Multi-Master I^2C: 1
- Master/Slave SPI with FIFOs: 2
- 9-bit capable UARTS with FIFOs
- 2 channels
- Serial I/O: 1 channel
- I^2S: 1 channel
- GPIO 40/108

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Oki Semiconductor Part No.	Package	Core Voltage (V)	I/O Voltage (V)	Flash (kB)	RAM (K)	External Bus 3/16/32bit	32KHz Sub Clock	Ring Oscillator	9-bit UART with FIFOs	External Interrupts	FIQ Interrupts	I/O Pins	Price Each 1	Price Each 25
948-ML67Q4050TC	ML67Q4050-1NNNTCZ03A	LQFP-144	2.5	2.5-3.3	64	16	Yes	Yes	Yes	2	4	1	108	12.83	11.66
948-ML67Q4060LA	ML67Q4060-1NNNLAZ03A	BGA-84	2.5	2.5-3.3	64	16	No	Yes	Yes	2	4	1	40	12.45	11.32
948-ML67Q4060TB	ML67Q4060-1NNNTBZ03A	TQFP-64	2.5	2.5-3.3	64	16	No	Yes	Yes	2	4	1	40	10.96	9.96
948-ML67Q4060HA	ML67Q4060-1NNNHAZ03A	WCSP-64	2.5	2.5-3.3	64	16	No	Yes	Yes	2	4	1	40	12.45	11.32
948-ML67Q4051TC	ML67Q4051-1NNNTCZ03A	LQFP-144	2.5	2.5-3.3	128	16	Yes	Yes	Yes	2	4	1	108	14.06	12.80
948-ML67Q4061LA	ML67Q4061-1NNNLAZ03A	BGA-84	2.5	2.5-3.3	128	16	No	Yes	Yes	2	4	1	40	13.84	12.58
948-ML67Q4061TB	ML67Q4061-1NNNTBZ03A	TQFP-64	2.5	2.5-3.3	128	16	No	Yes	Yes	2	4	1	40	12.19	11.08
948-ML67Q4061HA	ML67Q4061-1NNNHAZ03A	WCSP-64	2.5	2.5-3.3	128	16	No	Yes	Yes	2	4	1	40	13.84	12.58

ki Semiconductor ADVANTAGE MICROCONTROLLER KIT™

e Advantage Microcontroller Evaluation (AME) Kit contains all that is needed to evaluate and write software for Oki's 4050 and 4060 Series rocontrollers. Based on a concept of modularity, Oki has developed the AME processor board which provides everything necessary for MCU ration and gives easy access to all I/O and peripherals of the device. The AME-51 board supports the 4050/4060 Series and is the key nponent in the AME-51 evaluation kit. The kit also contains a USB JTAG ICE and a 32KB code limited IAR KickStart software development suite.



MOUSER STOCK NO.	Oki Semiconductor Part No.	Description	Price Each
8-AME67Q4051-1	AME67Q4051-1	Advantage Microcontroller Evaluation kit including the modular AME-51 board, sample source code, 32K limited C-Compiler, USB-JTAG debugger, and power source. Supports evaluation and development of Oki's 4050 and 4060 Series Microcontrollers.	249.00

SILICON LABS Development Kits and Microcontrollers

SILICON LABORATORIES

MICROCONTROLLER DEVELOPMENT KITS

Silicon Labs development kits provide a comprehensive integrated development environment for unobtrusive real-time debug IN YOUR TARGET SYSTEM. Common debugging features such as breakpoints, read/write memory, run, halt, and single-stepping are all supported. There is no need to purchase expensive emulator-based HW. These kits are complete with all hardware, software, cables and power supply. The user needs only to provide a PC running Windows (95/98/NT/2000/XP) with a free COM port.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-C8051F005DK-G	C8051F005DK	Development Kit for C8051F000, F001, F002, F005, F006, F010, F011, F012, F015, F016, F017, F018 and F019 MCUs	99.00
634-C8051F020DK-G	C8051F020DK	Development Kit for C8051F020, F021, F022, and F023 MCUs	129.00
634-C8051F040DK-G	C8051F040DK	Development Kit for C8051F040, F041, F042, and F043 MCUs	459.00
634-C8051F060DK-G	C8051F060DK	Development Kit for C8051F060, F061, F062, and F063 MCUs	299.00
634-C8051F120DK-G	C8051F120DK	Development Kit for C8051F120, F121, F122, F123, F124, F125, F126, and F127 MCUs	149.00
634-C8051F206DK-G	C8051F206DK	Development Kit for C8051F206 MCUs	99.00
634-C8051F226DK-G	C8051F226DK	Development Kit for C8051F220, F221, F226, F230, F231, and F236 MCUs	99.00
634-C8051F300DK-G	C8051F300DK	Development Kit for C8051F300, F301, F302, F303, F304, and F305 MCUs	99.00
634-C8051F310DK-G	C8051F310DK	Development Kit for C8051F310 and F311 MCUs	99.00
634-C8051F320DK-G	C8051F320DK	Development Kit for C8051F320 and F321 MCUs	229.00
634-C8051F330DK-G	C8051F330DK	Development Kit for C8051F330 and F331 MCUs	99.00
634-C8051F350DK-G	C8051F350DK	Development Kit for C8051F350, F351, F352, and F353 MCUs	129.00

MICROCONTROLLER DEVELOPMENT KIT ACCESSORIES

634-DEBUGADAPTER-USB	DEBUGADPTR1-USB	USB Debug Adapter	49.95
634-F350-COMPASS-RD	F350-COMPASS-RD	Digital Compass Reference Design Kit	79.95
634-MCU-EMBPROBK	MCU-EMBPROGBOOK	Textbook for Embedded Programming with Mixed-Signal MCUs	14.95
634-C8051F064EK	C8051F064EK	Evaluation Kit - Evaluation Board, USB Cable and Software	24.95

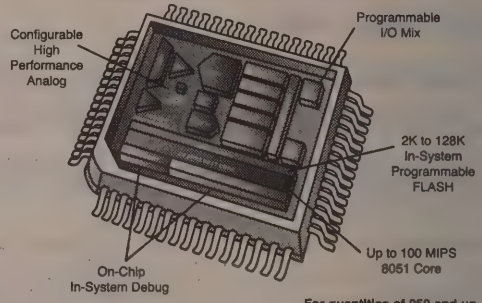
C8051F HIGH PERFORMANCE MIXED-SIGNAL MICROCONTROLLERS

Silicon Laboratories' mixed-signal microcontrollers integrate world-class analog, a high-speed pipelined 8051 CPU, ISP Flash memory and on-chip JTAG based debug in each device. Configurable high-performance analog, up to 100 MIPS core and in-system programmability provide the user with complete design flexibility, improved time-to-market, superior system performance and greater end product differentiation

Features:
- 20 to 100 MIPS 8051 CPU
- 32 to 128KB Flash memory
- 256 to 8448KB RAM
- 1024-bit ADC with up to 1 Msps
- Up to 12-bit DACs
- Up to three comparators
- Voltage reference
- Temperature sensor
- 45 16-bit Timers
- 36 channel PCA
- 864 Digital I/O
- 16 x 16 MAC

Applications:
- Industrial and process feedback control systems
- Instrumentation
- Test systems
- Point-of-sale terminals
- Satellite radio systems
- Cellular base stations
- Fiber optics systems
- Portable and stationary test equipment
- Weigh scales
- Smart transmitters
- Automatic Test Equipment (ATE)

Typical Silicon Labs MCU Chip


Configurable High Performance Analog
Programmable I/O Mix
2K to 128K In-System Programmable FLASH
Up to 100 MIPS 8051 Core
On-Chip In-System Debug

For quantities of 250 and up, call for quot

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Development Kit Part No.	MIPS (Peak)	Flash Mem. (KB)	RAM (bytes)	Digital Port I/O Pins	Serial Buses	Internal Osc	Analog Peripherals	Package	Price Each 1	25	100
634—	C8051F000	634-C8051F005DK-G	20	32	256	32	UART, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	TQ64	15.02	12.11	9.85
634—	C8051F001	634-C8051F005DK-G	20	32	256	16	UART, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	TQ48	14.78	11.92	9.69
634—	C8051F002	634-C8051F005DK-G	20	32	256	8	UART, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	LQ32	14.55	11.74	9.54
634—	C8051F005	634-C8051F005DK-G	25	32	2304	32	UART, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	TQ64	16.10	12.98	10.56
634—	C8051F006	634-C8051F005DK-G	25	32	2304	16	UART, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	TQ48	15.67	12.64	10.28
634—	C8051F007	634-C8051F005DK-G	25	32	2304	8	UART, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	LQ32	15.31	12.34	10.04
634—	C8051F010	634-C8051F005DK-G	20	32	256	32	UART, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	TQ64	14.07	11.34	9.22
634—	C8051F011	634-C8051F005DK-G	20	32	256	16	UART, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	TQ48	13.80	11.13	9.05
634—	C8051F012	634-C8051F005DK-G	20	32	256	8	UART, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	LQ32	13.44	10.84	8.81
634—	C8051F015	634-C8051F005DK-G	25	32	2304	32	UART, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	TQ64	15.21	12.26	9.97
634—	C8051F016	634-C8051F005DK-G	25	32	2304	16	UART, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	TQ48	14.96	12.07	9.81
634—	C8051F017	634-C8051F005DK-G	25	32	2304	8	UART, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	LQ32	14.80	11.93	9.70
634—	C8051F018	634-C8051F005DK-G	25	16	1280	32	UART, SMBus, SPI	±20%	10-bit ADC	TQ64	12.28	9.90	8.05
634—	C8051F019	634-C8051F005DK-G	25	16	1280	16	UART, SMBus, SPI	±20%	10-bit ADC	TQ48	11.83	9.54	7.76
634—	C8051F020	634-C8051F020DK-G	25	64	4352	64	2 UARTs, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	TQ100	21.24	17.13	14.04
634—	C8051F021	634-C8051F020DK-G	25	64	4352	32	2 UARTs, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	TQ64	20.48	16.52	13.54
634—	C8051F022	634-C8051F020DK-G	25	64	4352	64	2 UARTs, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	TQ100	16.89	13.62	11.16
634—	C8051F023	634-C8051F020DK-G	25	64	4352	32	2 UARTs, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	TQ64	15.69	12.66	10.37
634—	C8051F064	634-C8051F060DK-G	25	64	4352	59	2 UARTs, SMBus, SPI	±2%	16-bit ADC, 1ch., 100ksps	TQFP100	19.21	14.78	12.32
634—	C8051F065	634-C8051F060DK-G	25	64	4352	24	2 UARTs, SMBus, SPI	±2%	16-bit ADC, 1ch., 100ksps	TQFP64	18.80	14.46	12.05
634—	C8051F066	634-C8051F060DK-G	25	32	4352	59	2 UARTs, SMBus, SPI	±2%	16-bit ADC, 1ch., 100ksps	TQFP100	16.29	12.53	10.44
634—	C8051F067	634-C8051F060DK-G	25	32	4352	24	2 UARTs, SMBus, SPI	±2%	16-bit ADC, 1ch., 100ksps	TQFP64	15.87	12.21	10.17
634—	C8051F120	634-C8051F120DK-G	100	128	8448	64	2 UARTs, SMBus, SPI	±2%	12-bit ADC, 12-bit DACs	TQ100	25.58	20.63	17.19
634—	C8051F121	634-C8051F120DK-G	100	128	8448	32	2 UARTs, SMBus, SPI	±2%	12-bit ADC, 12-bit DACs	TQ64	24.78	19.98	16.65
634—	C8051F122	634-C8051F120DK-G	100	128	8448	64	2 UARTs, SMBus, SPI	±2%	10-bit ADC, 12-bit DACs	TQ100	23.71	19.12	15.94
634—	C8051F123	634-C8051F120DK-G	100	128	8448	32	2 UARTs, SMBus, SPI	±2%	10-bit ADC, 12-bit DACs	TQ64	22.92	18.49	15.41
634—	C8051F124	634-C8051F124DK-G	50	128	8448	64	2 UARTs, SMBus, SPI	±2%	12-bit ADC, 12-bit DACs	TQ100	22.44	18.10	15.08
634—	C8051F125	634-C8051F124DK-G	50	128	8448	32	2 UARTs, SMBus, SPI	±2%	12-bit ADC, 12-bit DACs	TQ64	21.60	17.42	14.52
634—	C8051F126	634-C8051F124DK-G	50	128	8448	64	2 UARTs, SMBus, SPI	±2%	10-bit ADC, 12-bit DACs	TQ100	20.57	16.59	13.83
634—	C8051F127	634-C8051F124DK-G	50	128	8448	64	2 UARTs, SMBus, SPI	±2%	10-bit ADC, 12-bit DACs	TQ64	19.78	15.95	13.29
634—	C8051F130	634-C8051F120DK-G	100	128	8448	64	2 UARTs, SMBus, SPI	±2%	10-bit, 8ch., 100ksps	TQFP100	19.05	16.42	13.00
634—	C8051F131	634-C8051F120DK-G	100	128	8448	32	2 UARTs, SMBus, SPI	±2%	10-bit, 8ch., 100ksps	TQFP64	18.27	15.75	13.58
634—	C8051F132	634-C8051F120DK-G	100	64	8448	64	2 UARTs, SMBus, SPI	±2%	10-bit, 8ch., 100ksps	TQFP100	15.94	13.74	11.85
634—	C8051F133	634-C8051F120DK-G	100	64	8448	32	2 UARTs, SMBus, SPI	±2%	10-bit, 8ch., 100ksps	TQFP64	15.16	13.07	11.27

IGH-SPEED MIXED-SIGNAL FLASH MCUS (cont.)

8051F300 Family

PRODUCT NEW

For quantities of 250 and up, call for quote.

OUSER STOCK NO. Mfr.	Mfr. Part No.	Development Kit Part No.	MIPS (Peak)	Flash Mem. (KB)	RAM (bytes)	Digital Port I/O Pins	Serial Buses	Internal Osc	Analog Peripherals	Package	Price Each 1	25	100
34—	C8051F300	634-C8051F300DK-G	25	8	256	8	UART, SMBus	±2%	8-bit ADC, comparator	MLP11	5.21	4.20	3.42
34—	C8051F300P	634-C8051F300DK-G	25	8	256	8	UART, SMBus	±2%	8-bit ADC, comparator	14PDIP	6.60	6.60	6.60
34—	C8051F301	634-C8051F300DK-G	25	8	256	8	UART, SMBus	±2%	comparator	MLP11	4.94	3.98	3.24
34—	C8051F302	634-C8051F300DK-G	25	8	256	8	UART, SMBus	±20%	8-bit ADC, comparator	MLP11	4.90	3.95	3.21
34—	C8051F303	634-C8051F300DK-G	25	8	256	8	UART, SMBus	±20%	comparator	MLP11	4.69	3.79	3.08
34—	C8051F304	634-C8051F300DK-G	25	4	256	8	UART, SMBus	±20%	comparator	MLP11	4.02	3.25	2.64
34—	C8051F305	634-C8051F300DK-G	25	2	256	8	UART, SMBus	±20%	comparator	MLP11	3.35	2.70	2.20
34—	C8051F310	634-C8051F310DK-G	25	16	1280	29	UART, SMBus, SPI	±2%	10-bit ADC, comparators	LQ32	8.76	7.07	5.75
34—	C8051F311	634-C8051F310DK-G	25	16	1280	25	UART, SMBus, SPI	±2%	10-bit ADC, comparators	MLP28	7.94	6.40	5.20
34—	C8051F312	634-C8051F310DK-G	25	8	1280	29	UART, SMBus, SPI	±2%	10-bit, 21ch., 200ksps ADC	LQFP32	5.76	4.88	4.25
34—	C8051F313	634-C8051F310DK-G	25	8	1280	25	UART, SMBus, SPI	±2%	10-bit, 17ch., 200ksps ADC	QFN28	5.32	4.51	3.92
34—	C8051F314	634-C8051F310DK-G	25	8	1280	29	UART, SMBus, SPI	±2%	-	LQFP32	4.90	4.15	3.61
34—	C8051F315	634-C8051F310DK-G	25	8	1280	25	UART, SMBus, SPI	±2%	-	QFN28	4.57	3.88	3.37
34—	C8051F330	634-C8051F330DK-G	25	8	768	17	UART, SMBus, SPI	±2%	10-bit ADC, 10-bit DAC	MLP20	6.28	5.07	4.12
34—	C8051F331	634-C8051F330DK-G	25	8	768	17	UART, SMBus, SPI	±2%	10-bit ADC, 10-bit DAC	MLP20	5.63	4.54	3.69
34—	C8051F332-GM	634-C8051F330DK-G	25	4	768	17	UART, SMBus, SPI	±2%	VREF, comparator	QFN20	4.13	3.50	3.04
34—	C8051F333-GM	634-C8051F330DK-G	25	4	768	17	UART, SMBus, SPI	±2%	comparator	QFN20	3.78	3.20	2.78
34—	C8051F334-GM	634-C8051F330DK-G	25	2	768	17	UART, SMBus, SPI	±2%	VREF, comparator	QFN20	3.51	2.97	2.59
34—	C8051F335-GM	634-C8051F330DK-G	25	2	768	17	UART, SMBus, SPI	±2%	comparator	QFN20	3.25	2.75	2.39
34—	C8051F350	634-C8051F350DK-G	50	8	768	17	UART, SMBus, SPI	±2%	24-bit, PGA, VREF, comparator	LQFP32	9.52	8.14	6.78
34—	C8051F351	634-C8051F350DK-G	50	8	768	17	UART, SMBus, SPI	±2%	24-bit, PGA, VREF, comparator	QFN28	8.97	7.67	6.39
34—	C8051F352	634-C8051F350DK-G	50	8	768	17	UART, SMBus, SPI	±2%	16-bit, PGA, VREF, comparator	LQFP32	7.08	6.05	5.04
34—	C8051F353	634-C8051F350DK-G	50	8	768	17	UART, SMBus, SPI	±2%	16-bit, PGA, VREF, comparator	QFN28	6.73	5.75	4.79

8051F200 Family

e C8051F200 family offers a 25MIPS 8051 CPU, in-system programmability, and in-system debugging capabilities. All family members have 8K bytes of in-system programmable FLASH and up to 1280 bytes of SRAM. Built-in debug pport circuitry enables low-cost, in-system debugging via JTAG interface (see Development Kit). On-board hardware digital peripherals include UART and SPI™ serial interfaces and three 16-Bit timers. Optional analog peripherals lude up to a 12-Bit 100ksps ADC and two comparators. Each I/O port pin can be configured in firmware as either digital I/O or as an ADC input. Ideal for a wide range of generalpurpose, embedded applications.

For quantities of 250 and up, call for quote.

34—	C8051F206	634-C8051F206DK-G	25	8	1280	32	UART, SPI	±20%	12-bit ADC, comparators	TQ48	7.95	7.22	5.87
34—	C8051F220	634-C8051F226DK-G	25	8	256	32	UART, SPI	±20%	8-bit ADC, comparators	TQ48	6.24	5.03	4.09
34—	C8051F221	634-C8051F226DK-G	25	8	256	22	UART, SPI	±20%	8-bit ADC, comparators	TQ32	5.94	4.79	3.89
34—	C8051F226	634-C8051F226DK-G	25	8	1280	32	UART, SPI	±20%	8-bit ADC, comparators	TQ48	6.58	5.31	4.31
34—	C8051F230	634-C8051F226DK-G	25	8	256	32	UART, SPI	±20%	2 comparators	TQ48	5.90	4.76	3.87
34—	C8051F231	634-C8051F226DK-G	25	8	256	22	UART, SPI	±20%	2 comparators	TQ32	5.62	4.53	3.68
34—	C8051F236	634-C8051F226DK-G	25	8	1280	32	UART, SPI	±20%	2 comparators	TQ48	6.22	5.01	4.08

8051F040 Family with CAN Bus

C8051F040 family features the same 25MIPS 8051 code-compatible CPU, in-system programming/debugging, and analog and digital peripherals. In addition, it has an integrated CAN 2.0B controller with 32 message objects, each its own filter mask. The 'F040 parts also have a +/- 60V Programmable Gain Difference Amplifier. Available in a 100-pin or 64-pin TQFP with up to 64 Digital I/O, it also has a fully parallel External Memory Interface (EMIF) for data rage, two UART's, a SPI Bus, and an SMBus. There are two independent ADC's, one 12-bit 100ksps, and the other 8-Bit 500ksps each with its own input multiplexer, as well as two 12-bit DAC's, a voltage reference, and a temperature sor. All 'F040 family members have 64K bytes of in-system programmable FLASH memory and 4352 bytes of SRAM.

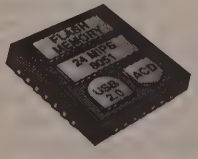
For quantities of 250 and up, call for quote.

34—	C8051F040	634-C8051F040DK-G	25	64	4352	64	CAN 2, UARTs,SMBus,SPI	±2%	12-bit ADC, 12-bit DACs	TQ100	22.78	18.37	14.93
34—	C8051F041	634-C8051F040DK-G	25	64	4352	32	CAN 2, UARTs,SMBus,SPI	±2%	12-bit ADC, 12-bit DACs	TQ64	22.07	17.80	14.47
34—	C8051F042	634-C8051F040DK-G	25	64	4352	64	CAN 2, UARTs,SMBus,SPI	±2%	10-bit ADC, 12-bit DACs	TQ100	20.62	16.63	13.52
34—	C8051F043	634-C8051F040DK-G	25	64	4352	32	CAN 2, UARTs,SMBus,SPI	±2%	10-bit ADC, 12-bit DACs	TQ100	18.80	15.16	12.32
34—	C8051F044	634-C8051F040DK-G	25	64	4352	64	CAN2.2, UARTs, SMBus, SPI	±2%	10-bit 13 CH ADC	TQFP100	13.53	10.40	8.67
34—	C8051F045	634-C8051F040DK-G	25	64	4352	32	CAN2.2, UARTs, SMBus, SPI	±2%	10-bit 13 CH ADC	TQFP64	13.13	10.10	8.42
34—	C8051F046	634-C8051F040DK-G	25	32	4352	64	CAN2.2, UARTs, SMBus, SPI	±2%	10-bit 13 CH ADC	TQFP100	11.93	9.18	7.65
34—	C8051F047	634-C8051F040DK-G	25	32	4352	32	CAN2.2, UARTs, SMBus, SPI	±2%	10-bit 13 CH ADC	TQFP64	11.54	8.87	7.40
34—	C8051F060	634-C8051F060DK-G	25	64	4352	59	CAN 2, UARTs,SMBus,SPI	±2%	16-bit ADC, 12-bit DACs	TQ100	29.40	25.56	21.85
34—	C8051F061	634-C8051F060DK-G	25	64	4352	24	CAN 2, UARTs,SMBus,SPI	±2%	16-bit ADC, 12-bit DACs	TQ64	29.02	25.24	21.57
34—	C8051F062	634-C8051F060DK-G	25	64	4352	59	CAN 2, UARTs,SMBus,SPI	±2%	16-bit ADC, 12-bit DACs	TQ100	26.68	23.20	19.83
34—	C8051F063	634-C8051F060DK-G	25	64	4352	24	CAN 2, UARTs,SMBus,SPI	±2%	16-bit ADC, 12-bit DACs	TQ64	26.39	22.95	19.62

8051F320 FAMILY WITH USB 2.0 BUS

C8051F320 devices feature an integrated USB 2.0 function controller integrated PHY and clock circuits. No crystal or external components required! The devices also include a 24MIPS 8051 code-compatible d, in-system programming/debugging, 16Kbytes Flash, 2304 Bytes , a 10-bit ADC and many other peripherals. Available in the tiny 5 x n 28-pin MLP package or 32-pin LQPF, these devices provide a true le-chip solution for embedded USB applications.

NO CRYSTAL OR EXTERNAL COMPONENTS REQUIRED!



RESISTORS

CRYSTAL

REGULATOR

For quantities of 250 and up, call for quote.

OUSER STOCK NO. fr.	Mfr. Part No.	Development Kit Part No.	MIPS (Peak)	Flash Mem. (KB)	RAM (bytes)	Digital Port I/O Pins	Serial Buses	Internal Osc	Analog Peripherals	Package	Price Each 1	25	100
4—	C8051F320	634-C8051F320DK-G	24	16	2304	25	USB, UART, SMBus, SPI	±1.5%	10-bit ADC, comparators	LQ32	10.91	8.80	7.15
4—	C8051F321	634-C8051F320DK-G	24	16	2304	21	USB, UART, SMBus, SPI	±.5%	10-bit ADC, comparators	MLP28	10.37	8.37	6.80

SB TO UART BRIDGE-SINGLE CHIP SOLUTION

gle-chip USB to UART bridge that converts data traffic between USB and UART formats.

tures:
- 8 Function Controller and Transceiver
- grated 1024-byte EEPROM
- grammable Baud rates
- grated clock no external crystal required
- USB specification 2.0 compliant 12 Mbps
- EEPROM security lock function
- Integrated transceiver no external resistors required
- USB suspend states supported

Example Applications:
- Upgrade of RS-232 legacy devices to USB
- Cellular phone USB interface cable
- PDA interface cable
- USB to RS-232 serial adapter

Specifications:
- Self-powered: 3.0 - 3.6 V
- USB bus powered: 4.0 - 5.25 V
- Temperature Range: -40 to 85° C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Package	Price Each 1	25	100
4-CP2102-GM	CP2102-GM	Single Chip USB to UART Bridge	MLP28	4.53	4.32	3.69
4-CP2102EK	CP2102EK	Evaluation Kit for CP2102 - Includes evaluation board, CP2102, cables, and software	MLP28	49.95	-	-
4-CP2103-GM	CP2103-GM	Single Chip USB to UART Bridge - Adjustable I/O levels and 4 I/O signals	MLP28	4.95	4.71	4.06
4-CP2103EK	CP2103EK	Evaluation Kit for CP2103 - Includes evaluation board, CP2103, cables, and software	MLP28	49.95	-	-

Microcontrollers and Development Tools

SHARP MICROELECTRONICS ARM MCU/SOC

SHARP MICROELECTRONICS OF THE AMERICAS — BLUE STREAK Powering Tomorrow's Vision

The BlueStreak trademark is exclusive to a set of the most versatile, highly integrated Microcontrollers and System-on-Chip (MCU/SoC) devices. These ARM devices are ideal for a wide range of applications from industrial control, to Smart Appliances, to organizers and PDAs.

For quantities 100 and up, call for quo

MOUSER STOCK NO.	Sharp Part No.	Package	Operating Voltage (V)	Clock Speed (MHz)	LCD Controller	DMA	Price Each			
							1	10	25	50
852-LH75401N0Q100C	LH75401N0Q100C0	TQPF-144	3.3	84	Color	4 Channel	24.36	20.88	17.40	13.92
852-LH75411N0Q100C	LH75411N0Q100C0	TQPF-144	3.3	84	Color	4 Channel	22.30	19.11	15.93	12.74
852-LH79520N0Q000B	LH79520N0Q000B0	LQFP-176	3.3	77.4	Color	4 Channel	26.08	22.35	18.63	14.90
852-LH79524N0F100A	LH79524N0F100A0	CABGA-208	3.3	76.2	Color	4 Channel	33.60	28.80	24.00	19.20
852-LH79525N0Q100A	LH79525N0Q100A0	LQFP-176	3.3	77.4	Color	4 Channel	28.53	24.45	20.38	16.30
852-LH7A400N0G000B	LH7A400N0G000B5	CABGA-256	3.3	200	Color	10 Channel	38.71	33.18	27.65	22.12
852-LH7A400N0F000B	LH7A400N0F000B5	CABGA-256	3.3	200	Color	10 Channel	34.93	29.94	24.95	19.96
852-LH7A400N0F0760	LH7A400N0F0760B5	CABGA-256	3.3	200	Color	10 Channel	50.33	43.14	35.95	28.76
852-LH7A404N0F000B	LH7A404N0F000B3	CABGA-324	3.3	200	Color	12 Channel	49.21	42.18	35.15	28.12
852-LH7A404N0F092B	LH7A404N0F092B3	CABGA-324	3.3	266	Color	12 Channel	63.98	54.84	45.70	36.56

KEIL SOFTWARE MCU DEVELOPMENT TOOLS

Keil Software makes C compilers, macro assemblers, real-time kernels, debuggers, simulators, integrated environments, and evaluation boards for the 8051, 251, ARM, and XC16x/C16x/ST10 microcontroller families.

8051 MCU DEVELOPMENT TOOLS FOR CLASSIC AND EXTENDED 8051 DEVICES

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-PK51	PK51	C51 V8 Professional Developer's Suite - Includes CA51 + µVision Simulator and Target Debugger, Extended Device Support, LX51 Code Packing Linker, ISD51 In-System Debugger, and RTX Tiny RTOS	2895.00
830-CA51	CA51	C51 V8 Compiler - Includes A51 + C Compiler	1695.00
830-A51	A51	A51 V8 Assembler - Includes Assembler, Utilities, and µVision IDE	495.00
830-MCBX51	MCBX51	8051/251 Single Board Comp. - Includes 2K- Limited 8051/251 Tools with Assemble/Compiler/Debug/Simulator/Monitor	295.00
830-ULINK	ULINK	USB-JTAG Adapter - Connects PC's USB Port to Hardware's JTAG Interface	300.00

LPC DEVELOPMENT TOOLS FOR PHILIPS 89LPC9xx DEVICES

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-MCB900	MCB900	Prototype Board for Phillips 89LPC9xx - Includes µVision LPC Studio and 4K-Limited Tools with Assembler/Compiler/Debugger/Simulator	60.00
830-EPM900	EPM900	Emulator/Programmer for Philips 89LPC9xx - Includes µVision LPC Studio and 4K-Limited Tools with Assembler/Compiler/Debugger/ Simulator	200.00

251 MCU DEVELOPMENT TOOLS FOR ATMEL, INTEL, AND SANYO DEVICES

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-DK251	DK251	C251-V3 Developer's Suite - Includes CA251 + µVision Simulator and Target Debugger	2595.00
830-CA251	CA251	C251 V3 Compiler - Includes A251 + C Compiler	1795.00
830-A251	A251	A251 V3 Assembler - Includes Assembler, Utilities, and µVision IDE	695.00
830-MCBX51	MCBX51	8051/251 Single Board Computer - Includes 2K- Limited 8051/251 Tools with Assembler/Compiler/ Debugger/Simulator/Monitor	295.00

ARM MCU DEVELOPMENT TOOLS FOR ARM-POWERED DEVICES

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-PK-ARM	PK-ARM	C166 V5 Professional Developer's Suite - Includes all components of the CA-ARM, the µVision IDE, Debugger, and Simulator, and ARTX Tiny RTOS	4095.00
830-CA-ARM	CA-ARM	CARM V2 C Compiler for ARM - Includes Assembler, C Compiler, Run-Time Libraries, Utilities, and µVision IDE	2695.00
830-DB-ARM	DB-ARM	Debugger/Simulator for ARM - Includes the µVision IDE, Debugger, and Simulator, ULINK USB-JTAG Adapter, and Keil Evaluation Assembler, Compiler, and Linker. Supports GNU, ADS/RealView, and Keil tools.	2295.00
830-AR-ARM	AR-ARM	Advanced RTX Real-Time Operating System for ARM - includes Flash File System and TCP/IP Networking Support.	4195.00
830-MCBSTR7	MCBSTR7	MCBSTR7 Eval Board - uses the new STMicroelectronics STR710FZ2 controller - Includes everything that is required for a single-chip STR7 system — USB, CAN, and two UART interfaces, analog input (via potentiometer), and 8 LEDs	149.00
830-MCB2100	MCB2100	LPC211x/212x Single-Board Computer with CAN & JTAG - Includes Evaluation Keil ARM Tools with Assembler/ Compiler/Debugger/ Simulator	149.00
830-MCB2130	MCB2130	LCP213x Single-Board Computer with JTAG - Includes Evaluation Keil ARM Tools with Assembler/Compiler/Debugger/Simulator	149.00
830-MCB2140	MCB2140	LPC214x Evaluation USB Board - Uses the new Philips LPC2148 ARM Power Microcontroller, Includes an eval version of the Keil Development Suite for ARM that includes extensive example projects on the usage of the LPC2100 devices	149.00
830-ULINK	ULINK	USB-JTAG Adapter - Connects PC's USB Port to Hardware's JTAG Interface	300.00

C166 MCU DEVELOPMENT TOOLS FOR XC16x/C16x/ST10

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-PK166	PK166	C166 V5 Pro Developer's Suite - Includes all components of the CA166 + µVision Simulator and Target Debugger	3495.00
830-CA166	CA166	C166 V5 Compiler - Includes all components of the A166 + C166 Compiler, EC++ Compiler, Run Time Libraries, and RTX166 Tiny RTOS	2395.00
830-A166	A166	A166 V5 Assembler - Includes Assembler, Utilities, and µVision IDE	695.00
830-AR166	AR166	Advanced RTX Real-Time Operating System for C16x/XC16x/ST10 - Includes Flash File System and TCP/IP Networking Support	3495.00
830-MCB167NET	MCB167NET	C167 Single Board Computer with CAN & Ethernet - Includes 4K-Limited XC16x/C16x/ST Tools with Assembler/Compiler/ Debugger/ Simulator/ Monitor	295.00
830-MCBXC167-BASIC	MCBXC167-BASIC	XC167 Single Board Computer - Includes 4K-Limited XC16x/C16x/ST10 Tools with Assembler/ Compiler/ Debugger/ Simulator / Monitor	149.00
830-MCBXC167-NET	MCBXC167-NET	XC167 Single Board Computer with CAN & Ethernet - Includes 4K-Limited XC16x/ C16x/ST10 Tools Assembler/ Compiler/Debugger/ Simulator/ Monitor	399.00
830-ULINK	ULINK	USB-JTAG Adapter - Connects PC's USB Port to Hardware's JTAG Interface	300.00

PC-LINT SYNTAX CHECKER - TIME-SAVING SOFTWARE PACKAGE

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-PC-LINT-V8	PC-Lint V8	PC-Lint Syntax Checker - Software pkg that finds errata in your C programs using the K&R and ANSI standards for C	239.00

NEW SUPPLIER NEW SUPPLIER NEW SUPPLIER NEW SUPPLIER

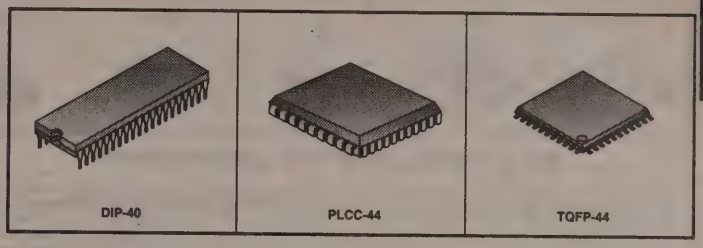
SST Microcontrollers

SST FLASHFLEX51 89 SERIES MICROCONTROLLERS

he FlashFlex51 Microcontrollers come with on-chip flash EEPROM program memory. The flash occupies 16, 32, or 64 Kbyte of internal program memory and can be programmed via a standard 87C5x OTP EPROM rogrammer fitted with a special adapter and firmware fro SST's device. During the power-on reset, the device can be configured as a slave to an external host for source code storage or as a master to an external host f an In-Application Programming (IAP) operation.

atures:

- Serial Interfaces: Enhanced UART and SPI Bus Interface (Master/Slave Operation)
- 8-bit 8051 Compatible Microcontroller (MCU) with Embedded SuperFlash Memory
  - Software Compatible
  - Development Toolset Compatible
  - Pin for Pin Package Compatible
- High Functional Timer / Counter Complement
  - Three 16-bit Timer / Counters
  - Programmable Watchdog Timer (WDT)
  - Programmable Counter Array (PCA)
- TTL and CMOS Compatible Logic Levels
- Three High-Current Drive Ports
- Low Power Modes
  - Power-down Mode with External Interrupt Wake Up
  - Idle Mode
- Brown-out Detection

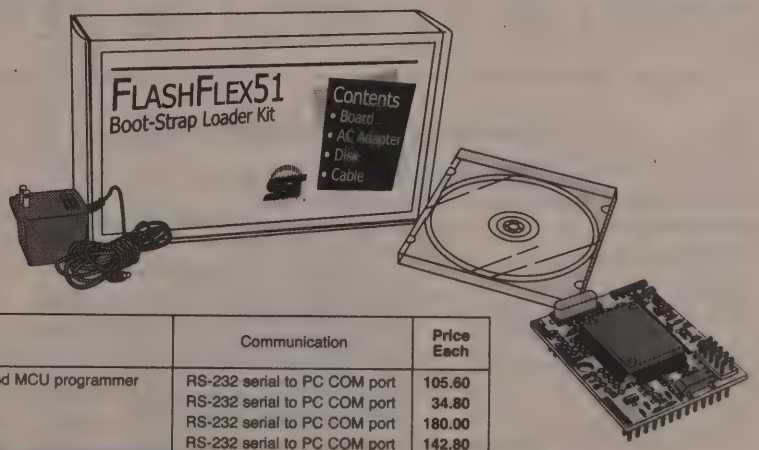


For quantities 50 and up, call for quote.

MOUSER STOCK NO.	SST Part No.	Package	Memory Size		I/Os	Frequency (MHz)		Interrupt		Supply Voltage	Operating Temperature	Price Each		
			Flash†	Ram		3V	5V	Sources	Level			1	10	25
04-89C5433CPI	SST89C54-33-C-PI	DIP-40	16KB+4KB	256B	32	12	33	6	2	2.7-5.5	0°C to +70°C	4.82	4.33	4.09
04-89C5433CTQJ	SST89C54-33-C-TQJ	TQFP-44	16KB+4KB	256B	32	12	33	6	2	2.7-5.5	0°C to +70°C	4.92	4.42	4.18
04-89C5433INJ	SST89C54-33-I-NJ	PLCC-44	16KB+4KB	256B	32	12	33	6	2	2.7-5.5	-40°C to +85°C	5.23	4.71	4.45
04-89C5433ITQJ	SST89C54-33-I-TQJ	TQFP-44	16KB+4KB	256B	32	12	33	6	2	2.7-5.5	-40°C to +85°C	5.90	5.31	5.01
04-89C5833CPI	SST89C58-33-C-PI	DIP-40	32KB+4KB	256B	32	12	33	6	2	2.7-5.5	0°C to +70°C	5.60	5.04	4.76
04-89C5833CNJ	SST89C58-33-C-NJ	PLCC-44	32KB+4KB	256B	32	12	33	6	2	2.7-5.5	0°C to +70°C	5.14	4.63	4.37
04-89C5833CTQJ	SST89C58-33-C-TQJ	TQFP-44	32KB+4KB	256B	32	12	33	6	2	2.7-5.5	0°C to +70°C	5.70	5.13	4.85
04-89C5833ITQJ	SST89C58-33-I-TQJ	TQFP-44	32KB+4KB	256B	32	12	33	6	2	2.7-5.5	-40°C to +85°C	6.84	6.16	5.82
04-89E5544CPI	SST89E554RC-40-C-PI	DIP-40	32KB+8KB	1KB	32	_	40	8	4	4.5 - 5.5	0°C to +70°C	6.49	5.84	5.51
04-89E5544CNJ	SST89E554RC-40-C-NJ	PLCC-44	32KB+8KB	1KB	32	_	40	8	4	4.5 - 5.5	0°C to +70°C	6.02	5.42	5.12
04-89E5544CTQJ	SST89E554RC-40-C-TQJ	TQFP-44	32KB+8KB	1KB	32	_	40	8	4	4.5 - 5.5	0°C to +70°C	6.72	6.12	5.85
04-89E5544IPI	SST89E554RC-40-I-PI	DIP-40	32KB+8KB	1KB	32	_	40	8	4	4.5 - 5.5	-40°C to +85°C	7.79	7.01	6.62
04-89E5544INJ	SST89E554RC-40-I-NJ	PLCC-44	32KB+8KB	1KB	32	_	40	8	4	4.5 - 5.5	-40°C to +85°C	7.23	6.51	6.15
04-89E5544ITQJ	SST89E554RC-40-I-TQJ	TQFP-44	32KB+8KB	1KB	32	_	40	8	4	4.5 - 5.5	-40°C to +85°C	7.91	7.12	6.72
04-89V55433CPI	SST89V554RC-33-C-PI	DIP-40	64KB+8KB	1KB	32	33	_	8	4	2.7-3.6	0°C to +70°C	6.49	5.84	5.51
04-89V55433CNJ	SST89V554RC-33-C-NJ	PLCC-44	64KB+8KB	1KB	32	33	_	8	4	2.7-3.6	0°C to +70°C	6.02	5.42	5.12
04-89V55433CTQJ	SST89V554RC-33-C-TQJ	TQFP-44	64KB+8KB	1KB	32	33	_	8	4	2.7-3.6	0°C to +70°C	6.72	6.12	5.85
04-89V55433IPI	SST89V554RC-33-I-PI	DIP-40	64KB+8KB	1KB	32	33	_	8	4	2.7-3.6	-40°C to +85°C	7.79	7.01	6.62
04-89V55433INJ	SST89V554RC-33-I-NJ	PLCC-44	64KB+8KB	1KB	32	33	_	8	4	2.7-3.6	-40°C to +85°C	7.23	6.51	6.15
04-89V55433ITQJ	SST89V554RC-33-I-TQJ	TQFP-44	64KB+8KB	1KB	32	33	_	8	4	2.7-3.6	-40°C to +85°C	7.91	7.12	6.72
04-89E5644CPI	SST89E564RD-40-C-PI	DIP-40	64KB+8KB	1KB	32	_	40	8	4	4.5 - 5.5	0°C to +70°C	7.60	6.84	6.46
04-89E5644CNJ	SST89E564RD-40-C-NJ	PLCC-44	64KB+8KB	1KB	32	_	40	8	4	4.5 - 5.5	0°C to +70°C	7.15	6.43	6.07
04-89E5644CTQJ	SST89E564RD-40-C-TQJ	TQFP-44	64KB+8KB	1KB	32	_	40	8	4	4.5 - 5.5	0°C to +70°C	7.95	7.18	6.97
04-89E5644IPI	SST89E564RD-40-I-PI	DIP-40	64KB+8KB	1KB	32	_	40	8	4	4.5 - 5.5	-40°C to +85°C	9.12	8.21	7.75
04-89E5644INJ	SST89E564RD-40-I-NJ	PLCC-44	64KB+8KB	1KB	32	_	40	8	4	4.5 - 5.5	-40°C to +85°C	8.58	7.72	7.29
04-89E5644ITQJ	SST89E564RD-40-I-TQJ	TQFP-44	64KB+8KB	1KB	32	_	40	8	4	4.5 - 5.5	-40°C to +85°C	9.24	8.32	7.86
04-89V56433CPI	SST89V564RD-33-C-PI	DIP-40	64KB+8KB	1KB	32	33	_	8	4	2.7-3.6	0°C to +70°C	7.60	6.84	6.46
04-89V56433CNJ	SST89V564RD-33-C-NJ	PLCC-44	64KB+8KB	1KB	32	33	_	8	4	2.7-3.6	0°C to +70°C	7.15	6.43	6.07
04-89V56433CTQJ	SST89V564RD-33-C-TQJ	TQFP-44	64KB+8KB	1KB	32	33	_	8	4	2.7-3.6	0°C to +70°C	7.95	7.18	6.97
04-89V56433IPI	SST89V564RD-33-I-PI	DIP-40	64KB+8KB	1KB	32	33	_	8	4	2.7-3.6	-40°C to +85°C	9.12	8.21	7.75
04-89V56433INJ	SST89V564RD-33-I-NJ	PLCC-44	64KB+8KB	1KB	32	33	_	8	4	2.7-3.6	-40°C to +85°C	8.58	7.72	7.29
04-89V56433ITQJ	SST89V564RD-33-I-TQJ	TQFP-44	64KB+8KB	1KB	32	33	_	8	4	2.7-3.6	-40°C to +85°C	9.24	8.32	7.86

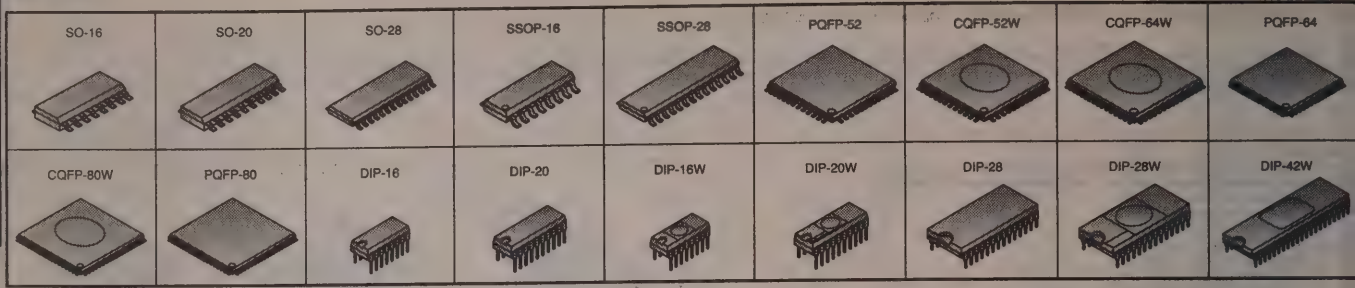
†KB + 4KB stands for 16KB primary block (128 byte sector size) and 4KB secondary block (64 byte sector size)

ST FLASHFLEX51 DEVELOPMENT KITS



MOUSER STOCK NO.	SST Part No.	Description	Communication	Price Each
04-SST89CK78BSL	SST89CK78BSL	BSL Demo board, target emulator board and MCU programmer	RS-232 serial to PC COM port	105.60
04-SST89CK79LDR	SST89CK79LDR	Low-cost application code downloader	RS-232 serial to PC COM port	34.80
04-SST89CK79EVK	SST89CK79EVK	MCU development board and programmer	RS-232 serial to PC COM port	180.00
04-SST89CK79ZAB	SST89CK79ZAB	MCU development board and programmer	RS-232 serial to PC COM port	142.80

STMICROELECTRONICS Mature Standard 8 &16-Bit Microcontrollers



ST6 GENERAL PURPOSE CONTROL 8-BIT

The ST62 family is optimized for low to midrange 8-bit embedded control applications which are often subject to two conflicting requirements: obtaining both high noise immunity and low overall system cost. With a rich selection of peripherals and memory sizes including data EEPROM, the ST62 family is available in packages ranging from 16 to 100 pins, making it easy to find the product that matches the cost target. The ST62 family is based on a standard 8-bit CPU core, surrounded by a powerful range of peripherals. The ST62 family offers all the major functions needed for embedded control: RC oscillator, 32Khz internal oscillator, safe power-on, high-current buffers for directly driving LEDs and TRIACs (with zero-crossing detection directly from the mains), safety oscillator, 8-bit ADC, data EEPROM, LCD driver, SPI, UART, Auto-Reload Timer... Each device offers a different mix of peripherals, so you can pick the one with only those features required by your application and you only pay for the hardware you really need.

Abbreviations:

ART = Auto-reload timer
IC/OC = Input capture/output compare
LVD = Low-voltage detection
OSG = Oscillator safeguard
ROP = Readout protection
SPI = Serial peripheral interface
UART = Universal asynchronous receiver transmitter

For quantities of 100 and up, call for quote

MOUSER STOCK NO.		Package Type	Features & Characteristics								Price Each
Mfr.	Mfr. Part Number		Prog. Mem.	Memory Type	RAM	E²PROM	A/D inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	1-99
Surface Mount												
511—	ST62T03CM6	SO-16	1K	OTP EPROM	64	----	----	1x8-Bit	----	9 (3)	RC oscillator.,OSG, ROP	1.36
511—	ST62T08CM6	SO-20	1K	OTP EPROM	64	----	----	1x8-Bit	----	12 (4)	RC oscillator, LVD, ROP	2.86
511—	ST62T00CM6	SO-16	1K	OTP EPROM	64	----	4x8-Bit	1x8-Bit	----	9 (3)	RC oscillator.,OSG, ROP	1.48
511—	ST62T09CM6	SO-20	1K	OTP EPROM	64	----	4x8-Bit	1x8-Bit	----	12 (4)	RC oscillator, LVD, ROP	3.26
511—	ST62T01CM6	SO-16	2K	OTP EPROM	64	----	4x8-Bit	1x8-Bit	----	9 (3)	RC oscillator.,OSG, ROP	2.73
511—	ST62T10CM6	SO-20	2K	OTP EPROM	64	----	8x8-Bit	1x8-Bit	----	12 (4)	RC oscillator.,OSG, ROP	2.97
511—	ST62T15CM6	SO-28	2K	OTP EPROM	64	----	16x8-Bit	1x8-Bit	----	20 (4)	RC oscillator, LVD, ROP	3.96
511—	ST62T52CM6	SO-16	2K	OTP EPROM	128	----	4x8-Bit	1x8-Bit	----	9 (5)	RC oscillator, OSG, ART, ROP, IC/OC	2.06
511—	ST62T52CN6	SSOP-16	2K	OTP EPROM	128	----	4x8-Bit	1x8-Bit	----	9 (5)	RC oscillator, OSG, ART, ROP, IC/OC	3.62
511—	ST62T62CM6	SO-16	2K	OTP EPROM	128	64	4x8-Bit	1x8-Bit	----	9 (5)	RC oscillator, OSG, ART, ROP, IC/OC	2.38
511—	ST62T20CM6	SO-20	4K	OTP EPROM	64	----	8x8-Bit	1x8-Bit	----	12 (4)	RC oscillator.,OSG, ROP	3.08
511—	ST62T25CM6	SO-28	4K	OTP EPROM	64	----	16x8-Bit	1x8-Bit	----	20 (4)	RC oscillator.,OSG, ROP	5.64
511—	ST62T55CM6	SO-28	4K	OTP EPROM	128	----	13x8-Bit	1x8-Bit	SPI	21 (8)	RC oscillator, LVD, OSG, ROP, IC/OC	4.70
511—	ST62T55CN6	SSOP-28	4K	OTP EPROM	128	----	13x8-Bit	1x8-Bit	SPI	21 (8)	RC oscillator, LVD, OSG, ROP, IC/OC	5.00
511—	ST62T60CM6	SO-20	4K	OTP EPROM	128	128	7x8-Bit	1x8-Bit	SPI	13 (6)	RC oscillator, OSG, ART, ROP, IC/OC	4.67
511—	ST62T65CM6	SO-28	4K	OTP EPROM	128	128	13x8-Bit	1x8-Bit	SPI	21 (8)	RC oscillator, OSG, ART, ROP, IC/OC	4.67
511—	ST62T65CN6	SSOP-28	4K	OTP EPROM	128	128	13x8-Bit	1x8-Bit	SPI	21 (8)	RC oscillator, OSG, ART, ROP, IC/OC	5.46
511—	ST62E35BG1	CQFP-52W	8K	UV EPROM	192	128	24x8-Bit	1x8-Bit	SPI/UART	36 (12)	ART, ROP, IC/OC	22.64
511—	ST62T35BQ6	PQFP-52	8K	OTP EPROM	192	128	24x8-Bit	1x8-Bit	SPI/UART	36 (12)	ART, ROP, IC/OC	7.90
511—	ST62T40BQ6	PQFP-80	8K	OTP EPROM	216	128	12x8-Bit	2x8-Bit	SPI	24 (4)	45x4 segment LCD, ROP	7.36
Thru Hole												
511—	ST62T03CB6	DIP-16	1K	OTP EPROM	64	----	----	1x8-Bit	----	9 (3)	RC oscillator.,OSG, ROP	1.36
511—	ST62T08CB6	DIP-20	1K	OTP EPROM	64	----	----	1x8-Bit	----	12 (4)	RC oscillator, LVD, ROP	2.86
511—	ST62T00CB6	DIP-16	1K	OTP EPROM	64	----	4x8-Bit	1x8-Bit	----	9 (3)	RC oscillator.,OSG, ROP	2.22
511—	ST62T09CB6	DIP-20	1K	OTP EPROM	64	----	4x8-Bit	1x8-Bit	----	12 (4)	RC oscillator, LVD, ROP	3.26
511—	ST62E01CF1	DIP-16W	2K	UV EPROM	64	----	4x8-Bit	1x8-Bit	----	9 (3)	RC oscillator.,OSG, ROP	12.34
511—	ST62T01CB6	DIP-16	2K	OTP EPROM	64	----	4x8-Bit	1x8-Bit	----	9 (3)	RC oscillator.,OSG, ROP	2.73
511—	ST62T10CB6	DIP-20	2K	OTP EPROM	64	----	8x8-Bit	1x8-Bit	----	12 (4)	RC oscillator.,OSG, ROP	2.97
511—	ST62T15CB6	DIP-28	2K	OTP EPROM	64	----	16x8-Bit	1x8-Bit	----	20 (4)	RC oscillator, LVD, ROP	3.96
511—	ST62T62CB6	DIP-16	2K	OTP EPROM	128	64	4x8-Bit	1x8-Bit	----	9 (5)	RC oscillator, OSG, ART, ROP, IC/OC	2.38
511—	ST62E65CF1	DIP-28W	2K	UV EPROM	128	128	13x8-Bit	1x8-Bit	SPI	21 (8)	RC oscillator, OSG, ART, ROP, IC/OC	16.34
511—	ST62T65CB6	DIP-28	2K	OTP EPROM	128	128	13x8-Bit	1x8-Bit	SPI	21 (8)	RC oscillator, OSG, ART, ROP, IC/OC	3.58
511—	ST62T52CB6	DIP-16	2K	OTP EPROM	128	----	4x8-Bit	1x8-Bit	----	9 (5)	RC oscillator, OSG, ART, ROP, IC/OC	2.06
511—	ST62E20CF1	DIP-20W	4K	UV EPROM	64	----	8x8-Bit	1x8-Bit	----	12 (4)	RC oscillator.,OSG, ROP	12.34
511—	ST62T20CB6	DIP-20	4K	OTP EPROM	64	----	8x8-Bit	1x8-Bit	----	12 (4)	RC oscillator.,OSG, ROP	3.08
511—	ST62E25CF1	DIP-28W	4K	UV EPROM	64	----	16x8-Bit	1x8-Bit	----	20 (4)	RC oscillator.,OSG, ROP	18.60
511—	ST62T25CB6	DIP-28	4K	OTP EPROM	64	----	16x8-Bit	1x8-Bit	----	20 (4)	RC oscillator.,OSG, ROP	5.64
511—	ST62T55CB6	DIP-28	4K	OTP EPROM	128	----	13x8-Bit	1x8-Bit	SPI	21 (8)	RC oscillator, LVD, OSG, ROP, IC/OC	4.70
511—	ST62E60CF1	DIP-20W	4K	UV EPROM	128	128	7x8-Bit	1x8-Bit	SPI	13 (6)	RC oscillator, OSG, ART, ROP, IC/OC	16.34
511—	ST62T60CB6	DIP-20	4K	OTP EPROM	128	128	7x8-Bit	1x8-Bit	SPI	13 (6)	RC oscillator, OSG, ART, ROP, IC/OC	3.46
511—	ST62T28CB6	DIP-28	8K	OTP EPROM	192	----	16x8-Bit	1x8-Bit	SPI/UART	20 (4)	RC oscillator, OSG, ROP, ART	4.76
511—	ST62E32BF1	DIP-42W	8K	UV EPROM	192	128	21x8-Bit	1x8-Bit	SPI/UART	30 (9)	ART, ROP, IC/OC	21.36

MICROCONTROLLER DEVELOPMENT TOOLS

Emulators for the ST62 family

The ST6 real time development system is an advanced hardware development system designed and configured to provide comprehensive support for the ST6 family of microcontrollers.

Hardware Features:

- Real time emulation
- 32KB of emulation memory
- Breakpoint on a single address or on an address range
- Break events can be defined in program space or data space combined with up to 4 external signals
- 2 fully programmable signal inputs for hardware triggering or timing measurements
- Register read/write on-the-fly (without wait states)
- Selective trace in address range or start/stop mode
- Break on stack overflow
- 1Kbytes of real trace memory
- Tracing of up to 32 bits including external signals

Windows GNU Debugger for ST6 (included):

- Assembler source-level debugging
- On-line assembler/disassembler
- Log file capable of storing any displayed screen.
- Batch execution of debugger commands
- Software breakpoints definable on source or disassembled code, to stop execution when a chosen instruction is reached.
- Step-by-step execution on source and machine code. A function call can optionally be considered as a single instruction.
- Keeps a trace of memory access during program execution.
- Enables you to view the stack contents.
- View and modify the simulated/emulated ST6 memory and register contents.
- View and modify data symbol values in real time.
- Auto executes GDB6 command batch files, with or without the WGDB6 graphical interface, at start-up.

Package Contents:

- ST6-HDS2 emulator
- Power supply
- "MCU on CD" CD-ROM
- A set of probes (including SOP adapters)
- Parallel interface cable
- User manual

Software Features:

- IDE interface (ride) for Windows 95, Windows 98 and Windows NT
- C or assembler source-level debugging

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
511—	ST62GPEMU2	Complete emulator package for ST62 including dedication board, all probes and "MCU on CD" software package	2083.20

STMICROELECTRONICS Mature 8-Bit Microcontrollers

STMicroelectronics

MICROCONTROLLER PROGRAMMING TOOLS

EPROM Programmers for the ST62 Microcontroller Family

These EPROM programming boards can run either standalone or remote mode (connected to a PC). In standalone mode, the microcontrollers can be programmed by simply pressing a key to start copying the code from a master EPROM device or a master microcontroller. Two-color LEDs indicate if the operation has passed or failed. In the standalone mode an EPROM memory or a master microcontroller is plugged into the programming board. The code from the EPROM or the master microcontroller is read and programmed into the ST62 EPROM or OTP device. Both Verify and Blank Check functions are provided. In the remote mode, the programming board is connected to a PC through an RS-232 serial channel or a parallel port. Object code in either S19 or Intel Hex format is read from a disk file to program the ST62 EPROM or OTP device. The Windows software also offers Verify, Blank Check, and Read Master functions. The software allows various user friendly facilities, such as re-installing the same programming session, user selectable programming steps. It also allows serial numbering with auto-incrementation.

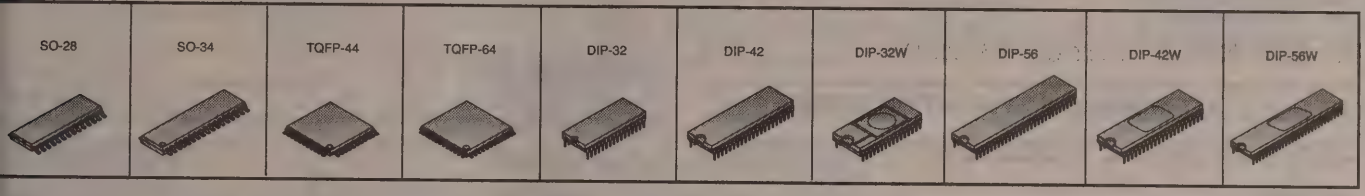
Hardware Features:

- Standalone and remote modes
- All packages supported (except SSOP)
- Programs both the ST62Exx EPROM and OTP microcontrollers

Software Features:

- Windows 95, 98 or NT software
- S19 or Intel Hex file formats

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part Number	Supported Devices	Price Each
511—	ST62E2XCEPB/110	ST62T00, ST62T01, ST62E01, ST62T03, ST62T08, ST62T09, ST62T10, ST62T15, ST62T18, ST62E18,ST62T20, ST62E20, ST62T25,ST62E25, ST62T28, and ST62E28	420.00
511—	ST62E3XEPB/110	ST62T30, ST62E30, ST62T32 and ST62E32	358.40
511—	ST62E6XCEPB/US	ST62T52, ST62T53, ST62T55, ST62T60, ST62E60, ST62T63, ST62T65 and ST62E65	386.40



ST7 INDUSTRY STANDARD FAST CORE ARCHITECTURE 8-BIT

The ST7 core is based on an industry standard 8-bit architecture, extended by STMicroelectronics to improve support for high level language programming and to provide additional interrupt handling features. The accumulator-based core has six internal registers including a 16-bit program counter. The instruction set has 63 instructions with 17 addressing modes offering 8x8-bit unsigned multiply, true bit manipulation, various bit/byte transfer modes and powerful branching logic. Peripheral resources are handled via dedicated interrupts and registers.

- Fast multiplication: 11 cycles or 1.37 µsecs for 8 x 8 bits (16-bit result)
- Rich choice of addressing modes for efficient handling of data in RAM (fast manipulation of tables).
- Direct memory addressing (no page handling overhead)
- Up to 16 interrupt vectors for flexible interrupt management.
- Fast interrupt response: 1.5µs typical (with 5-byte context save).
- Powerful bit manipulation instructions

Abbreviations:

CAN = Controller area network
ISP = In-situ programming
I2C = Inter-integrated circuit
LVD = Low-voltage detection
ROP = Readout protection
SPI = Serial peripheral interface
SCI = Serial communications interface
SWG = Square wave generator
WDG = Watchdog timer

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part Number	Package Type	Features & Characteristics: Prog. Mem.	Memory Type	RAM	E²PROM	A/D inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	Price Each 1-99
Surface Mount												
511—	ST72C104G1M6	SO-28	4K	Flash EEPROM	256	-----	-----	1x16-Bit	SPI	22 (8)	RC oscillator, clock security system, ISP, ROP	3.90
511—	ST72C216G1M6	SO-34	4K	Flash EEPROM	256	-----	6x8-Bit	1x16-Bit	SPI	22 (8)	RC oscillator, clock security system, ISP, ROP	4.38
511—	ST72C254G1M6	SO-34	4K	Flash EEPROM	256	-----	6x8-Bit	2x16-Bit	SPI/I2C	22 (8)	RC oscillator, clock security system, ISP, ROP	5.48
511—	ST72C104G2M6	SO-28	8K	Flash EEPROM	256	-----	-----	1x16-Bit	SPI	22 (8)	RC oscillator, clock security system, ISP, ROP	4.36
511—	ST72C124J2T6	TQFP-44	8K	Flash EEPROM	256	-----	-----	2x16-Bit	SPI/SCI	32 (8)	RC oscillator, clock security system, ISP, ROP, SWG	5.48
511—	ST72C215G2M6	SO-34	8K	Flash EEPROM	256	-----	6x8-Bit	2x16-Bit	SPI	22 (8)	RC oscillator, clock security system, ISP, ROP	4.84
511—	ST72C254G2M6	SO-34	8K	Flash EEPROM	256	-----	6x8-Bit	2x16-Bit	SPI/I2C	22 (8)	RC oscillator, clock security system, ISP, ROP	5.78
511—	ST72C171K2M6	SO-34	8K	Flash EEPROM	256	-----	8x8-Bit	1x16-Bit	SPI/SCI	22 (5)	LVD, 3 op amps, programmable gain	6.60
511—	ST72C314N2T6	TQFP-64	8K	Flash EEPROM	384	-----	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	8.70
511—	ST72C314J2T6	TQFP-44	8K	Flash EEPROM	384	-----	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	6.12
511—	ST72T331J2T6	TQFP-44	8K	OTP EPROM	384	256	6x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	8.32
511—	ST72C334J2T6	TQFP-44	8K	Flash EEPROM	384	256	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	6.38
511—	ST72C334N2T6	TQFP-64	8K	Flash EEPROM	384	256	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	7.72
511—	ST72C314J4T6	TQFP-44	16K	Flash EEPROM	512	-----	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	7.50
511—	ST72C314N4T6	TQFP-64	16K	Flash EEPROM	512	-----	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	9.34
511—	ST72T331J4T6	TQFP-44	16K	OTP EPROM	512	256	6x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	8.84
511—	ST72T331N4T6	TQFP-64	16K	OTP EPROM	512	256	8x8-Bit	2x16-Bit	SPI/SCI	44 (8)	RC oscillator, clock security system, ISP, ROP, SWG	10.00
511—	ST72C334J4T6	TQFP-44	16K	Flash EEPROM	512	256	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	9.38
511—	ST72C334N4T6	TQFP-64	16K	Flash EEPROM	512	256	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	9.66
511—	ST72T511R9T6	TQFP-64	60K	OTP EPROM	2K	-----	8x8-Bit	2x16-Bit	SPI/SCI/CAN	48 (12)	Nested interrupts, TLI, clock security system, ROP, SWG, CAN	13.12
Thru Hole												
511—	ST72C104G1B6	DIP-32	4K	Flash EEPROM	256	-----	-----	1x16-Bit	SPI	22 (8)	RC oscillator, clock security system, ISP, ROP	4.50
511—	ST72C216G1B6	DIP-32	4K	Flash EEPROM	256	-----	6x8-Bit	1x16-Bit	SPI	22 (8)	RC oscillator, clock security system, ISP, ROP	5.02
511—	ST72C254G1B6	DIP-32	4K	Flash EEPROM	256	-----	6x8-Bit	2x16-Bit	SPI/I2C	22 (8)	RC oscillator, clock security system, ISP, ROP	6.28
511—	ST72C104G2B6	DIP-32	8K	Flash EEPROM	256	-----	-----	1x16-Bit	SPI	22 (8)	RC oscillator, clock security system, ISP, ROP	5.02
511—	ST72C124J2B6	DIP-42	8K	Flash EEPROM	256	-----	-----	2x16-Bit	SPI/SCI	32 (8)	RC oscillator, clock security system, ISP, ROP, SWG	5.48
511—	ST72C215G2B6	DIP-32	8K	Flash EEPROM	256	-----	6x8-Bit	2x16-Bit	SPI	22 (8)	RC oscillator, clock security system, ISP, ROP	5.56
511—	ST72C171K2B6	DIP-32	8K	Flash EEPROM	256	-----	8x8-Bit	1x16-Bit	SPI/SCI	22 (5)	LVD, 3 op amps, programmable gain	6.60
511—	ST72E251G2D0	DIP-32W	8K	UV EPROM	256	-----	6x8-Bit	2x16-Bit	SPI/I2C	22 (8)	RC oscillator, clock security system, ISP, ROP, SWG	20.00
511—	ST72C254G2B6	DIP-32	8K	Flash EEPROM	256	-----	6x8-Bit	2x16-Bit	SPI/I2C	22 (8)	RC oscillator, clock security system, ISP, ROP	6.66
511—	ST72C314N2B6	DIP-56	8K	Flash EEPROM	384	-----	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	9.56
511—	ST72C334N2B6	DIP-56	8K	Flash EEPROM	384	256	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	8.50
511—	ST72T331J2B6	DIP-42	8K	OTP EPROM	384	256	6x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	8.32
511—	ST72T331N2B6	DIP-56	8K	OTP EPROM	384	256	8x8-Bit	2x16-Bit	SPI/SCI	44 (8)	RC oscillator, clock security system, ISP, ROP, SWG	9.02
511—	ST72C334J2B6	DIP-42	8K	Flash EEPROM	384	256	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	7.82
511—	ST72E311J4D0	DIP-42W	16K	UV EPROM	512	-----	6x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	40.00
511—	ST72E311N4D0	DIP-56W	16K	UV EPROM	512	-----	8x8-Bit	2x16-Bit	SPI/SCI	44 (8)	RC oscillator, clock security system, ISP, ROP, SWG	40.00
511—	ST72C314J4B6	DIP-42	16K	Flash EEPROM	512	-----	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	7.50
511—	ST72C314N4B6	DIP-56	16K	Flash EEPROM	512	-----	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	10.28
511—	ST72E331J4D0	DIP-42W	16K	UV EPROM	512	256	6x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	40.00
511—	ST72E331N4D0	DIP-56W	16K	UV EPROM	512	256	8x8-Bit	2x16-Bit	SPI/SCI	44 (8)	RC oscillator, clock security system, ISP, ROP, SWG	40.00
511—	ST72T331J4B6	DIP-42	16K	OTP EPROM	512	256	6x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	8.84
511—	ST72T331N4B6	DIP-56	16K	OTP EPROM	512	256	8x8-Bit	2x16-Bit	SPI/SCI	44 (8)	RC oscillator, clock security system, ISP, ROP, SWG	10.00
511—	ST72C334J4B6	DIP-42	16K	Flash EEPROM	512	256	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	9.38
511—	ST72C334N4B6	DIP-56	16K	Flash EEPROM	512	256	8x8-Bit	2x16-Bit	SPI/SCI	32 (4)	RC oscillator, clock security system, ISP, ROP, SWG	10.64

STMICROELECTRONICS Mature 8 & 16-Bit Microcontrollers

ST7 EVALUATION BOARDS

SAFE ST7 Evaluation Board

These evaluations boards are intended to help in the evaluation of the behavior of ST7 microcontrollers, as well as complete solutions including MCU firmware and PC software.

Embedded Peripherals:

- Integrated LVD/AVD (low voltage detector/auxiliary voltage detector) to avoid external circuitry and data loses
- Safe backup clock (CSS: clock security system)
- High sink I/Os (up to 50mA) to drive directly LEDs and buzzers
- IAP: In-application programming
- ICP: Flash in-circuit programming

Target Devices:

ST72260, ST72262, ST72264 soldered on the board, pre-programmed with examples of software applications that demonstrates the safe behavior of the ST7LITEx, ST7226x and ST72F32x.

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	Mfr. Part Number		
511—ST7FOPTIONS-EVAL		ST7LITEx, ST7226x and ST72F32x	354.20

ST7 TRAINING & EVALUATION BOARDS

ST training and evaluation kits are prototype target boards with basic features designed for evaluating sample devices and for self-training on ST7 devices. They offer the following benefits:

Self Training:

Many exercises in the user manual will allow designers to familarize themselves with the ST7 and peripherals and reduce development times.

Evaluation:

- Designers can perform tests and evaluate all the peripherals of the ST7: SPI, I2C, SCI, CAN, etc.

Programming:

- The board is equipped with the ISP/ICC connector to allow flash in-situ programming

Features:

- ISP/ICC connector
- RS-232 connector
- Trimmer
- LCD, LED's
- Reset button
- External interupt management
- Buzzer
- Prototype area
- Power supply

Supplimental Hardware

Hardware Compatibility:

- ST7MDT20-EVC/US: In TQFP-64 (socket CAB) EMU2B, DVP2, inDART, STICK, EPB2
- ST7MDT20-EVY/US: In TQFP-64 (socket Yamaichi) EMU2B, EMU3, DVP2, DVP3, inDART, STICK, EPB2

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	Mfr. Part Number		
511—ST7MDT20-EVC/US		ST72124, ST7231x, ST72321, ST72334, ST72511, ST72512, ST72521	980.00
511—ST7MDT20-EVY/US		ST72124, ST7231x, ST72321, ST72334, ST72511, ST72512, ST72521	683.20

ST7 INDART IN-CIRCUIT DEBUGGER

STMicroelectronics partners with SofTec Microsystems to provide the ST7 community with low-cost, but very powerful tools. These kits provide you with everything you need to write, download and in-circuit debug user code for all flash-based ST7 microcontrollers. inDART-ST7 takes advantage of the STVD7 ST integrated development environment (ST7 Visual Debug) and the ICP (in-circuit programming) capability. inDART offers hardware and software debugging features such as real-time code execution, stepping and breakpoints.

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	Mfr. Part Number		
511—ST7FLITE0-INDART		ST7LITE0x	208.60
511—ST7F264-INDART		ST7226x	278.60
511—ST7C334-INDART		ST72311, ST72124, ST72314, ST72334	258.70

EMULATORS FOR THE ST7 FAMILY

The ST7 real time development system consists of various hardware and software components, which together form a flexible and sophisticated system designed to provide compreshensive development support for the ST7 family of microcontrollers.

Features:

- A common hardware development system mainframe supports the entire ST7 family of microcontrollers.
- 64K bytes of user modifiable and configurable emulation RAM, allows memory mapping of all ST7 family devices as well as modelling hypothetical memory configurations.
- Logic analyzer events may trigger a breakpoint or simply define data capture parameters, in accordance to user preferences.
- Simple connection of the emulator system to the host PC via RS-232 serial channel or parallel port.
- Log files allow storage and subsequent redisplay of any display screen for subsequent analysis
- Real-time source level emulation allows viewing and breakpoint setting on high level source code rather than on disassembled target code for optimum user friednliness.
- Unlimited breakpoints may be set for any op-code fetch or any address access, and conditions may be defined for the generation of 2 external synchronization signals.
- 1K by 32-bit wide trace memory for logic analyzer allows complex and sequential events to be defined on any combination of address and data, as well as 3 internal and 5 external logic signals.
- Emulation system may be driven by a Windows-based GNU debugger software or DOS software running on host PC, allowing full control and monitoring of hardware resources.
- Multiple windows allow concurrent real-time display of source code, microcontroller resources, internal registers, trace data, etc.
- Command files can be used to execute a set of debugger commands in batch mode.
- Editable configuration files ensure tailoring of working environmen to user preferences.

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	Mfr. Part Number		
511—ST7MDT1EMU2B		ST72C101, ST72T212, ST72T213, ST72C215 ST72C216, ST72E251, ST72T251 and ST72C254	3920.00
511—ST7MDT2EMU2B		ST72T121, ST72C124, ST72E311, ST72T311, ST72C334 and ST72T5xx	4200.00
511—ST7MDT10-EMU3		ST72260G1, ST72262G1, ST72262G2, ST72264G1, ST72264G2, ST7FLITE05, ST7FLITE09, ST7FLITE20, ST7FLITE25, ST7FLITE29 and ST7FDALI	4200.00
511—ST7MDT20J-EMU3		ST72F321J9, ST72F321J7, ST72F324J6, ST72F324J4, ST72324J2, ST72F324K6, ST72F324K4, ST72324K2, ST72F344J4, ST72344J2, ST72F344K4 and ST72344K2	4468.80
511—ST7MDT20J-TEB		Active probe to convert MDT20M to MDT20J	1635.20
511—ST7MDT20M-EMU3		ST72321M9, ST72F321M9, ST72321M7, ST72F321M7, ST72521M9, ST72F521M9, ST72521M7 and ST72F521M7	4356.80
511—ST7MDT20M-TEB		Active probe to convert MDT20J to MDT20M	2256.80
511—ST7MDT2-PB/TQ44		TQFP-44 probe for ST7MDT2-EMU2B	571.20
511—ST7MDTU2-EMU2B		ST72621J4, ST72621J2, ST72621L4, ST72622L2, ST72621K4, ST72622K2, ST72623F2, ST72611F1, ST72F611F1 and ST72P611F4	3248.00
511—ST7MDTU3-EMU2B		ST7263BKK	3248.00

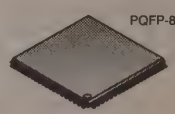
ST7 ENGINEERING PROGRAMMING BOARD (EPB)

The ST7 EPB series of programming boards are able to program all ST7 microcontrollers with OTP, EPROM, EEPROM or flash memories, regardless of socket type. Certain programming boards also support ISP (in-situ programming) or ICP (in-circuit programming). These boards are driven by ST programming software (ST Visual Programmer (STVP7), which includes all useful functions such as verify, blank check, read master and others.

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	Mfr. Part Number		
511—ST7MDT1EPB2/US		ST72101G1, ST72101G2, ST72212G2, ST72T213G1, ST72251G1, ST72251G2, ST72104G1, ST72104G2, ST72215G2, ST72216G1,ST72254G1 and ST72254G2	378.00
511—ST7MDT2EPB2/US		ST72121J2, ST72121J4, ST72124J2, ST72124J4, ST72311J2, ST72311J4, ST72314J2, ST72314J4, ST72331J2, ST72331J4, ST72331J2, ST72331J4, ST72334J2, ST72334J4, ST72311N2,ST72311N4, ST72314N2, ST72314N4, ST72331N2, ST72331N4, ST72334N2, ST72334N4, ST72311N2, ST72311N4, ST72314N2, ST72314N4, ST72331N2, ST72331N4, ST72334N2, ST72334N4, ST72532R4, ST72311R6, ST72311R7, ST72311R9, ST72512R4, ST72511R6, ST72511R7 and ST72511R9	408.80
511—ST7MDT5EPB/US		ST72T141	278.60
511—ST7MDT6EPB2/US		ST72C171	334.60
511—ST7MDT10-EPB/US		ST7LITE0x, ST7LITE2x, ST7226x	366.80
511—ST7MDT20M-EPB/US		ST72321 (64 pins), ST72521	380.80
511—ST7MDTU2-EPB/US		U2: ST7262x, U3: ST7263B, U5: ST7265x	468.00
511—ST7MDTU3-EPB/US		ST72F63BK1B1, ST72F63BK2B1, ST72F63BK4B1, ST72F63BK1M1, ST72F63BK2M1 and ST72F63BK4M1	504.00

ST9 HIGH PERFORMANCE MATURE CORE ARCHITECTURE 8/16-BIT

The rapidly growing area of real-time applications represents one of the most demanding operating environments for today's microcontrollers. Processors are required to execute complex control algorithms, within a defined minimum response time. With the increasing complexity of embedded control applications, a significant increase in CPU performances and peripheral functionality over conventional 8-bit controllers is required. Designed to meet market needs for cost-effective, high-performance MCUs, the ST9 family bridges the gap between the worlds of 8 and 16-bit microcontrollers and covers a large range of requirements in the high-end 8-bit and low-end 16-bit applications. With an ST9 microcontroller you have the 16-bit performance (sophisticated data manipulation, real time event handling) and the 8-bit advantages (price, noise, power consumption,...). With the ST9 family, STMicroelectronics offers significant performance and flexibility advantages over traditional 8-bit microcontrollers. It is the unequaled solution for more performance. It provides innovative answers to your embedded control requirements with competitive MCU solutions for today and tomorrow.



Abbreviations:

PLL = Phase locked loop
SCI = Serial communcations interfac
SPI = Serial peripheral interface

Surface Mount

For quantities of 100 and up, call for quote

MOUSER STOCK NO.		Package Type	Features & Characteristics								Price Each
Mfr.	Mfr. Part Number		Prog. Mem.	Memory Type	RAM	E²PROM	A/D inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	1-99
511—ST92T163R4T1		TQFP-64	20K	OTP EPROM	2K	-----	6x8-Bit	2x16-Bit	USB/SCI/I2C	44 (8)	16 full speed USB endpoints, LVD	13.52
511—ST90T158M9Q6		PQFP-80	64K	OTP EPROM	2K	-----	8x8-Bit	5x16-Bit	SPI/2xSCI	67	PLL clock	21.90

STMICROELECTRONICS Mature 8 & 16-Bit Microcontrollers

ST9 EVALUATION BOARD

he aim of this Evaluation Board is to provide the user with a ready-to-use hardware environment for ST9 general urpose microcontrollers. The kit contains the hardware required for testing the principal peripherals, such as mers, SPI and SCI interfaces, A/D converters and I/O Ports. This kit, however, does not cover CAN and J1850 evices, but a wire-wrap area, available for connecting specific components, is included and can be used to onnect CAN or J1850 transceivers. If the same peripheral is present several times on the MCU (e.g. the ultifunction timer on the ST92F120/F124/F150/F250) the board may be used to test at least one of them, but not lways all of them.

Kit Includes:

- Motherboard for ST9 Evaluation Board
- ST92F120-PQFP100 daughterboard
- ST92F150-TQFP64 daughterboard
- AC/DC adapter
- RS232 serial cable (male-Male)

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	Mfr. Part Number		
511—	ST92F150-EVAL	ST92F120, ST92F124, ST92F150, ST92F250	1168.70

EMULATORS FOR THE ST9 FAMILY

he ST9 real time development system consists of various hardware and software components, which together orm a flexible and sophisticated system designed to provide comprehensive development support for the ST9 amily of microcontrollers.

ardware Features:

Clock source selectable
- 4 MHz oscillator on probe
- 5 MHz oscillator on probe
- 5 MHz quartz on probe
- TTL source from application

Application power up detection
9 external input triggers
- 1 input trigger on subclic connector
- 8 input triggers from analyzer probe

2 output triggers (TTL levels)

Emulator Description:

- Mainboard is included in a box powered by an external power supply.
- Microcontroller specific probe
- Windows based IDE STVD9 software running under Windows 95/98/NT4.0.
- Emulator is connected to the user application through the probe: ST90158-EMU2B adapts to QFP80 or TQFP80 package.
- Emulator connected to a host PC or compatible with a standard parallel cable 3V or 5V +/- 10% operating voltage.
- Up to 24 MHz internal clock operation at 5V and 16 MHz at 3V.

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	Mfr. Part Number		
11—	ST90158EMU2B	ST90T158	5250.00
11—	ST92F150EMU2	ST92F120, ST92F150, ST92F250	5633.33
11—	ST92141EMU2	ST92T141	4083.80
11—	ST92163EMU2	ST92T163	3966.20

ST9 ENGINEERING PROGRAMMING BOARD (EPB)

These engineering programming boards (EPB) feature in-system programming capability for ST9 flash devices. Gang programmers are provided by various third-party vendors. The programming board is linked via a parallel port to a host PC running the ST9 Visual Programmer software (STVP9). This software interface allows you to customize and control the programming.

Hardware Features:

- Programs all the ST9 EPROM, OTP and Flash microcontrollers
- Supports In Situ Programming (ISP) for Flash devices.

Hardware Features:

- View & verify microcontroller's memory contents
- Program executable files into microcontrollers
- Motorola S19 or Intel Hex file formats
- Either create a project that defines how to program the microcontroller or load the files whose contents you want to program and then execute the program.

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	Mfr. Part Number		
511—	ST90E158EPB2/US	ST90T158	875.00
511—	ST92F150-EPB/US	ST92F124, ST92F150, ST92F240	875.00
511—	ST92E141EPB/US	ST92T141	408.80
511—	ST92E163EPB/US	ST92T163	350.00

ST10 FAST MATURE CORE WITH ADVANCED INTERRUPT MANAGEMENT 16-BIT

TMicroelectronics' ST10 processor core has been conceived specifically for embedded applications in custom system-on-chip products for manding markets like hard disk, CD-ROM drives, DVD, car radio devices and engine management units. The ST10 architecture is a 16-bit instruction word MOS microcontroller with 4-stage pipeline. Clocked at 40MHz, it executes speed critical routines, so instructions typically execute in 50ns. uilding on ST's experience in embedded cores, the ST10 architecture is also based on an analysis of the real needs of system designers and software gineers in some of the fastest-moving segments of the industry, where high performance, low power consumption and fast time to market are all essential.

Abbreviations:

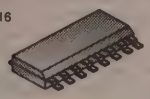
CAN = Controller area network
CAPCOM = Capture compare
PEC = Peripheral event controller
PWM = Pulse width modulator
USART = Universal sync/async receiver transmitter

urface Mount

For quantities of 100 and up, call for quote.

OUSER STOCK NO.		Package Type	Features & Characteristics									Price Each
fr.	Mfr. Part Number		Prog. Mem.	Memory Type	RAM	E²PROM	A/D inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	1-99
11—	ST10F168SQ6	PQFP-144	256K	Flash EEPROM	8K	-----	16x10-Bit	5x16-Bit	USART/SSC/CAN	111	ROMless, PEC, CAN, PWM, CAPCOM	48.46

SO-16



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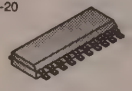
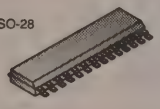


SO-28



CURRENT STANDARD 8-BIT MICROCONTROLLERS

T7 Industry Standard Fast Core Architecture 8-Bit

e ST7 core is based on an industry standard 8-bit architecture, extended by STMicroelectronics to improve support for high level language programming and to provide ditional interrupt handling features. The accumulator-based core has six internal registers including a 16-bit program counter. The instruction set has 63 instructions with 17 dressing modes offering 8x8-bit unsigned multiply, true bit manipulation, various bit/byte transfer modes and powerful branching logic. Peripheral resources are handled via dicated interrupts and registers.

Fast multiplication: 11 cycles or 1.37 µsecs for 8 x 8 bits (16-bit result).
Rich choice of addressing modes for efficient handling of data in RAM (fast manipulation of tables).
Direct memory addressing (no page handling overhead).

- Up to 16 interrupt vectors for flexible interrupt management.
- Fast interrupt response: 1.5µs typical (with 5-byte context save).
- Powerful bit manipulation instructions

Abbreviations:

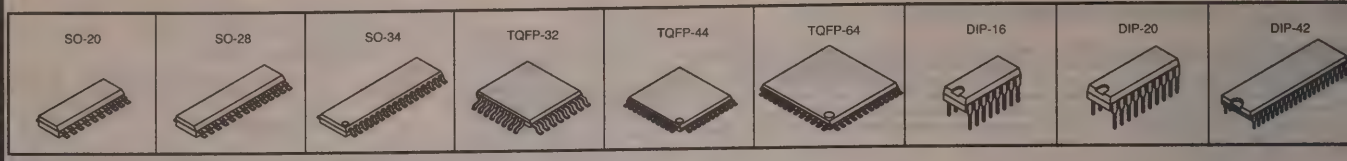
ADC = Analog to digital converter
DALI = Digital addressable lighting interface
IAP = In-application programming
ICP = In-circuit programming
I2C = Inter-integrated circuit
PLL = Phase locked loop
ROP = Readout protection
SCI = Serial communications interface
SPI = Serial peripheral interface
SWG = Square wave generator
USB = Universal serial bus

For quantities of 100 and up, call for quote.

OUSER STOCK NO.		Package Type	Features & Characteristics								Price Each
fr.	Mfr. Part Number		Prog. Mem.	Memory Type	RAM	E²PROM	A/D inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	1-99
rface Mount												
1—	ST7FLITES2Y0M6	SO-16	1K	Flash	128	-----	-----	2x8-Bit	SPI	13 (6)	WDG, RTC, 1% RC internal oscillator, PLL, ROP, ICP, IAP	1.40
1—	ST7FLITES5Y0M6	SO-16	1K	Flash	128	-----	5x8-Bit	2x8-Bit	SPI	13 (6)	WDG, RTC, 1% RC internal oscillator, PLL, ROP, ICP, IAP	1.56
1—	ST7FLITE02Y0M6	SO-16	1.5K	Flash	128	-----	-----	2x8-Bit	SPI	13 (6)	WDG, RTC, 1% RC, PLL, ROP, ICP, IAP	1.66
1—	ST7FLITE05Y0M6	SO-16	1.5K	Ext. Flash	128	-----	5x8-Bit	1x8-Bit, 1x12-Bit	SPI	13 (6)	ADC with op amp, PLL, ROP, ICP, IAP, 1% RC oscillator	2.00
1—	ST7FLITE09Y0M6	SO-16	1.5K	Ext. Flash	128	128	5x8-Bit	1x8-Bit, 1x12-Bit	SPI	13 (6)	ADC with op amp, PLL, ROP, ICP, IAP, 1% RC oscillator	2.28
1—	ST7FLITE10F1M6	SO-20	4K	Flash	256	-----	7x10-Bit	2x8-Bit	SPI	15 (7)	WDG, RTC, PLL, 32MHz timer, auto wake-up from halt, ADC, with op amp, ROP, ICP, IAP, debug module	2.74
1—	ST7FLITE15F1M6	SO-20	4K	Flash	256	-----	7x10-Bit	2x8-Bit	SPI	15 (7)	WDG, RTC, 1% RC internal RC oscillator, PLL, 32MHz timer, auto wake-up from halt, ADC with op amp, ROP, ICP, IAP, debug module	2.86
1—	ST7FLITE19F1M6	SO-20	4K	Flash	256	128	7x10-Bit	2x8-Bit	SPI	15 (7)	WDG, RTC, 1% internal RC oscillator, PLL, 32MHz timer, auto wake-up from halt, ADC with op amp, ROP, ICP, IAP, debug module	3.12
1—	ST72F260G1M6	SO-28	4K	Flash	256	-----	-----	2x16-Bit	SPI	22 (8)	WDG, RTC, ROP, ICP, IAP, PLL, nested interrupts	3.04
1—	ST72F262G1M6	SO-28	4K	Flash	256	-----	6x10-Bit	2x16-Bit	SPI	22 (8)	WDG, RTC, ROP, ICP, IAP, PLL, nested interrupts	3.34
1—	ST72F264G1M6	SO-28	4K	Flash	256	-----	6x10-Bit	2x16-Bit	SPI/SCI/I2C	22 (8)	WDG, RTC, ROP, ICP, IAP, PLL, nested interrupts	2.90
1—	ST72F262G2M6	SO-28	8K	Flash	256	-----	6x10-Bit	2x16-Bit	SPI	22 (8)	WDG, RTC, ROP, ICP, IAP, PLL, nested interrupts	3.78

STMICROELECTRONICS 8-Bit Microcontrollers

STMicroelectronics



CURRENT STANDARD 8-BIT MICROCONTROLLERS (Cont.)

ST7 Industry Standard Fast Core Architecture 8-Bit

The ST7 core is based on an industry standard 8-bit architecture, extended by STMicroelectronics to improve support for high level language programming and to provide additional interrupt handling features. The accumulator-based core has six internal registers including a 16-bit program counter. The instruction set has 63 instructions with 17 addressing modes offering 8x8-bit unsigned multiply, true bit manipulation, various bit/byte transfer modes and powerful branching logic. Peripheral resources are handled via dedicated interrupts and registers.

- Fast multiplication: 11 cycles or 1.37 µsecs for 8 x 8 bits (16-bit result).
- Rich choice of addressing modes for efficient handling of data in RAM (fast manipulation of tables).
- Direct memory addressing (no page handling overhead).
- Up to 16 interrupt vectors for flexible interrupt management.
- Fast interrupt response: 1.5µs typical (with 5-byte context save).
- Powerful bit manipulation instructions

Abbreviations:
ADC = Analog to digital converter
DALI = Digital addressable lighting interface
IAP = In-application programming
ICP = In-circuit programming
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PLL = Phase locked loop
ROP = Readout protection
SCI = Serial communications interface
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SWG = Square wave generator
USB = Universal serial bus

For quantities of 100 and up, call for quot

MOUSER STOCK NO.		Package Type	Features & Characteristics									Price Each
Mfr.	Mfr. Part Number		Prog. Mem.	Memory Type	RAM	E²PROM	A/D inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	1-99
Surface Mount												
511—	ST72F264G2M6	SO-28	8K	Flash	256	-----	6x10-Bit	2x16-Bit	SPI	22 (8)	WDG, RTC, ROP, ICP, IAP, PLL, nested interrupts	4.20
511—	ST72T141K2M6	SO-34	8K	OTP EPROM	256	-----	8x8-Bit	2x16-Bit	SPI	26 (3)	sensorless brushless DC motor controller	7.48
511—	ST72F623F2M1	SO-20	8K	Flash EEPROM	384	-----	3x8-Bit	6x8-Bit	USB	11 (8)	3 low speed USB endpoints, ICP, IAP, ROP	6.48
511—	ST7FLITE20F2M6	SO-20	8K	Flash EEPROM	384	256	7x10-Bit	2x8-Bit, 1x12-Bit	SPI/DALI	15 (6)	ADC with op amp, PLL, ROP, ICP, IAP, 1% RC oscillator	3.08
511—	ST72F324J2T6	TQFP-44	8K	Flash	384	-----	12x10-Bit	2x16-Bit	SPI/SCI	32 (12)	WDG, RTC, ICP, IAP, nested interrupts, TLI, ROP, beep	4.06
511—	ST7FLITE25F2M6	SO-20	8K	Flash EEPROM	384	256	7x10-Bit	2x8-Bit, 1x12-Bit	SPI/DALI	15 (6)	ADC with op amp, PLL, ROP, ICP, IAP, 1% RC oscillator	3.20
511—	ST72F324K2T6	TQFP-32	8K	Flash	384	-----	8x10-Bit	2x16-Bit	SPI/SCI	24 (10)	WDG, RTC, ICP, IAP, nested interrupts, TLI, ROP, beep	3.90
511—	ST7FLITE29F2M6	SO-20	8K	Flash EEPROM	384	256	7x10-Bit	2x8-Bit, 1x12-Bit	SPI/DALI	15 (6)	ADC with op amp, PLL, ROP, ICP, IAP, 1% RC oscillator	4.64
511—	ST72F324K4T6	TQFP-32	16K	Flash	512	-----	8x10-Bit	2x16-Bit	SPI/SCI	24 (10)	WDG, RTC, ICP, IAP, nested interrupts, TLI, ROP, beep	4.22
511—	ST72F324J4T6	TQFP-44	16K	Flash	512	-----	12x10-Bit	2x16-Bit	SPI/SCI	32 (12)	WDG, RTC, ICP, IAP, nested interrupts, TLI, ROP, beep	4.72
511—	ST72T631K4M1	SO-34	16K	OTP EPROM	512	-----	8x8-Bit	1x16-Bit	USB/SCI/I2C	19 (10)	3 low speed USB endpoints	7.70
511—	ST72F621L4M1	SO-34	16K	Flash EEPROM	768	-----	8x10-Bit	6x8-Bit	USB/SPI/SCI	23 (8)	3 low speed USB endpoints, ICP, IAP, ROP	6.92
511—	ST72F621L4M1L	SO-34	16K	Flash EEPROM	768	-----	8x10-Bit	6x8-Bit	USB/SPI/SCI	23 (8)	3 low speed USB endpoints, ICP, IAP, ROP	6.02
511—	ST72F324K6T6	TQFP-32	32K	Flash EEPROM	1K	-----	8x10-Bit	10x16-Bit	SPI/SCI	24 (10)	ICP, IAP, nested interrupts, TLI, clock security system, ROP, SWG	6.37
511—	ST72F324J6T6	TQFP-44	32K	Flash EEPROM	1K	-----	12x10-Bit	10x16-Bit	SPI/SCI	32 (12)	ICP, IAP, nested interrupts, TLI, clock security system, ROP, SWG	5.80
511—	ST72F321AR6T6	TQFP-64	32K	Flash	1K	-----	16x10-Bit	2x16-Bit, 1x8-Bit	SPI/SCI/I2C	48 (16)	WDG, RTC, ICP, IAP, nested interrupts, TLI, ROP, beep	6.14
511—	ST72F321R6T6	TQFP-64	32K	Flash	1K	-----	16x10-Bit	2x16-Bit, 1x8-Bit	SPI/SCI/I2C	48 (16)	WDG, RTC, ICP, IAP, nested interrupts, TLI, ROP, beep	6.62
511—	ST72F321J7T6	TQFP-44	48K	Flash	1.5K	-----	12x10-Bit	2x16-Bit, 1x8-Bit	SPI/SCI/I2C	32 (12)	WDG, RTC, ICP, IAP, nested interrupts, TLI, ROP, beep	6.14
511—	ST72F321J9T6	TQFP-44	60K	Flash	2K	-----	12x10-Bit	2x16-Bit, 1x8-Bit	SPI/SCI/I2C	32 (12)	WDG, RTC, ICP, IAP, nested interrupts, TLI, ROP, beep	7.12
511—	ST72F321R9T6	TQFP-64	60K	Flash	2K	-----	16x10-Bit	2x16-Bit, 1x8-Bit	SPI/SCI/I2C	48 (16)	WDG, RTC, ICP, IAP, nested interrupts, TLI, ROP, beep	8.56
Thru Hole												
511—	ST7FLITES2Y0B6	DIP-16	1K	Flash	128	-----	-----	2x8-Bit	SPI	13 (6)	WDG, RTC, 1% RC internal oscillator, PLL, ROP, ICP, IAP	1.50
511—	ST7FLITES5Y0B6	DIP-16	1K	Flash	128	-----	5x8-Bit	2x8-Bit	SPI	13 (6)	WDG, RTC, 1% RC internal oscillator, PLL, ROP, ICP, IAP	1.56
511—	ST7FLITE02Y0B6	DIP-16	1.5K	Flash	128	-----	-----	2x8-Bit	SPI	13 (6)	WDG, RTC, 1% RC, PLL, ROP, ICP, IAP	1.66
511—	ST7FLITE05Y0B6	DIP-16	1.5K	Ext. Flash	128	-----	5x8-Bit	1x8-Bit, 1x12-Bit	SPI	13 (6)	ADC with op amp, PLL, ROP, ICP, IAP, 1% RC oscillator	2.00
511—	ST7FLITE09Y0B6	DIP-16	1.5K	Ext. Flash	128	128	5x8-Bit	1x8-Bit, 1x12-Bit	SPI	13 (6)	ADC with op amp, PLL, ROP, ICP, IAP, 1% RC oscillator	2.28
511—	ST7FLITE10F1B6	DIP-20	4K	Flash	256	-----	7x10-Bit	2x8-Bit	SPI	15 (7)	WDG, RTC, PLL, 32MHz timer, auto wake-up from halt, ADC, with op amp, ROP, ICP, IAP, debug module	2.74
511—	ST7FLITE15F1B6	DIP-20	4K	Flash	256	-----	7x10-Bit	2x8-Bit	SPI	15 (7)	WDG, RTC, 1% RC internal RC oscillator, PLL, 32MHz timer, auto wake-up from halt, ADC with op amp, ROP, ICP, IAP, debug module	2.86
511—	ST7FLITE19F1B6	DIP-20	4K	Flash	256	128	7x10-Bit	2x8-Bit	SPI	15 (7)	WDG, RTC, 1% internal RC oscillator, PLL, 32MHz timer, auto wake-up from halt, ADC with op amp, ROP, ICP, IAP, debug module	3.12
511—	ST72T141K2B6	DIP-32	8K	OTP EPROM	256	-----	8x8-Bit	2x16-Bit	SPI	26 (3)	sensorless brushless DC motor controller	8.03
511—	ST7FLITE20F2B6	DIP-20	8K	Flash EEPROM	384	256	7x10-Bit	2x8-Bit, 1x12-Bit	SPI/DALI	15 (6)	ADC with op amp, PLL, ROP, ICP, IAP, 1% RC oscillator	3.08
511—	ST7FLITE25F2B6	DIP-20	8K	Flash EEPROM	384	256	7x10-Bit	2x8-Bit, 1x12-Bit	SPI/DALI	15 (6)	ADC with op amp, PLL, ROP, ICP, IAP, 1% RC oscillator	3.20
511—	ST7FLITE29F2B6	DIP-20	8K	Flash EEPROM	384	256	7x10-Bit	2x8-Bit, 1x12-Bit	SPI/DALI	15 (6)	ADC with op amp, PLL, ROP, ICP, IAP, 1% RC oscillator	4.64
511—	ST72F324J4B6	DIP-42	16K	Flash	512	-----	12x10-Bit	2x16-Bit	SPI/SCI	32 (12)	WDG, RTC, ICP, IAP, nested interrupt, TLI, ROP, beep	4.78
511—	ST72F324J6B6	DIP-42	32K	Flash	1K	-----	12x10-Bit	2x16-Bit	SPI/SCI	32 (12)	WDG, RTC, ICP, IAP, nested interrupt, TLI, ROP, beep	4.40

ST7FMC THREE-PHASE MOTOR CONTROL STANDARD FAST CORE ARCHITECTURE

ST7FMC Three-Phase Motor Control Standard Fast Core Architecture 8-Bit The ST7MC family is built around an industry-standard 8-bit core. All devices feature standard MCU peripherals, and ST's on-chip motor control peripheral, the Motor Control Cell, which consists mainly of a three-phase Pulse Width Modulator multiplexed on six high-sink outputs, with a highly flexible Back EMF (BEMF) zero-crossing detector and co-processor unit for the sensorless control of permanent magnet Brushless Direct Current (BLDC) motors. ST's patented 'three resistors' sensorless control method - in conjunction with on-chip comparators, op-amp - provides the lowest possible system cost and the highest system integration for BLDC motor control.

Abbreviations:
IAP = In-application programming
ICD = In-circuit debugging
ICP = In-circuit programming
LVD = Low-voltage detection
PLL = Phase locked loop
ROP = Readout protection
RTC = Real time clock timer
SCI = Serial communications interface
SPI = Serial peripheral interface

For quantities of 100 and up, call for quo

Surface Mount

MOUSER STOCK NO.		Package Type	Features & Characteristics									Price Each
Mfr.	Mfr. Part Number		Prog. Mem.	Memory Type	RAM	E²PROM	A/D inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	1-99
511—	ST7FMC1K2T6	TQFP-32	8K	Flash	384	-----	8x10-Bit	1x8-Bit, 1x16-Bit	LINSCI	17 (3)	Sensorless brushless motor control cell, ICD, ICP, IAP, LVD, CSS/PLL, ROP, RTC, nested interrupts	5.18
511—	ST7FMC2S6T6	TQFP-44	32k	Flash	1024	-----	11x10-Bit	1x8-Bit, 2x16-Bit	LINSCI, SPI	26 (6)	Sensorless brushless motor control cell, ICD, ICP, IAP, LVD, CSS/PLL, ROP, RTC, nested interrupts	6.00

ST7 EVALUATION BOARDS

AFE ST7 Evaluation Board

ese evaluations boards are intended to help in the evaluation of the behavior of ST7 microcontrollers, as well as mplete solutions including MCU firmware and PC software.

mbedded Peripherals:

ntegrated LVD/AVD (low voltage detector/auxiliary
oltage detector) to avoid external circuitry and data loses
afe backup clock (CSS: clock security system)
igh sink I/Os (up to 50mA) to drive directly
EDs and buzzers
AP: In-application programming
CP: Flash in-circuit programming

rget Devices:

72260, ST72262, ST72264 soldered on the
rd, pre-programmed with examples of software
lications that demonstrates the safe behavior
he ST7LITEx, ST7226x and ST72F32x.

MOUSER STOCK NO.	Mfr. Part Number	Supported Devices	Price Each
r.			
1—ST7FOPTIONS-EVAL		ST7LITEx, ST7226x and ST72F32x	354.20

MOTOR CONTROLLER STARTER KITS

ee easy steps to design a brushless motor into an application

Demonstration

Firstly, run the kit BLDC motor, or your own BLDC or Induction motor in open loop, by selecting basic settings on the Graphical User Interface (GUI).

Evaluation

In a few days, explore all the features by running the motor using various control strategies with the GUI and its advanced settings. Save the settings by generating header files. Flash the ST7MC microcontroller, run motor and apply changes to real-time settings to tune the drive parameters.

Development

Within a few weeks, use the generated header files and the ST7MC optimized C software library supplied (source code of the ST7MC kit firmware) and build the final application around it. Develop the application using the real-time debugging feature of the STXF-INDART/USB (included) and the associated STVD7.

mponents:

T7MC inverter and control board
- ST7FMC in DIP56 package
- 10A inverter stage
- UART, Lin transceiver, ICC connector
- External power stage
- Wrapping area, push buttons, trimmers
- 3-phase motor control output

TXF-INDART/USB
- Real-time in circuit debugging
- In-circuit programming
- USB connection to PC

T7MC library, Optimized C library for 3 phase BLDC induction motors compressors
complete set of documentation
ne isolation board for high-voltage motor operation
LDC motor (24V BLDC blower)
ll connection cables
duction motor (optional)
asy to Use GUI to simply evaluate most of advanced registers of the ST7FMC

y Benefits:

eady to run within minutes (require a Windows 98/ME/200/XP PC, and a power supply for the motor
llows real-time control and monitor from PC GUI or standalone operation through on-board push
uttons and trimmers
ame hardware and software platform for BLDC and induction three-phase motors.
TXF-INDART/USB (supplied) Flash programming and real-time in circuit debugging capability
llows some hardware and software platform to be used from evaluation to an advanced development stage
lost of the advanced registers of the ST7MC motor control cell can be set through the kit's
indows GUI, allowing extensive evaluation before coding or modifying any C Software
y-pass connector for external inverter power stage connection

MOUSER STOCK NO.	Mfr. Part Number	Description	Price Each
r.			
1—ST7MC-KIT/BLDC		Demonstration, evaluation and development kit for the ST7MC. Includes firmware, GUI, ST7MC samples, a 12VDC-240VAC 1000W inverter board, isolation board, STXF-INDART/USB low cost in circuit debugger/programmer and 24V BLDC motor	875.00
1—ST7MC-MOTAND		240V/800W selni three-phase induction motor for use with the ST7MC-KIT using induction motor default values (for evaluation purposes)	245.00

ST7 INDART IN-CIRCUIT DEBUGGER

STMicroelectronics partners with SofTec Microsystems to provide the ST7 community with low-cost, but very powerful tools. These kits provide you with everything you need to write, download and in-circuit debug user code for all flash-based ST7 microcontrollers. inDART-ST7 takes advantage of the STVD7 ST integrated development environment (ST7 Visual Debug) and the ICP (in-circuit programming) capability. InDART offers hardware and software debugging features such as real-time code execution, stepping and breakpoints.

MOUSER STOCK NO.	Mfr. Part Number	Supported Devices	Price Each
511—ST7FLITE0-INDART		ST7LITE0x	208.60
511—ST7F264-INDART		ST7226x	278.60
511—ST7C334-INDART		ST72311, ST72124, ST72314, ST72334	258.70

ST7 DEVELOPMENT KITS

The ST7-DVP3 consists of two boards. The main emulation board (MEB) is identical for every ST7-DVP3 development kit and the target evaluation board (TEB) is specific to one, or a family of ST7MCUs. Therefore, what makes each ST7-DVP3 development kit distinct (and defines its emulation capabilities) is the type of TEB it contains. The ST7MDT20-DVP3 TEB is capable of emulating all of the microcontrollers listed in the supported devices, however, to perform in-situ emulation (where the development kit is connected to your application board as if it were the actual microcontroller), you need to have the appropriate connectors.

The in-circuit emulation of TQFP devices requires the purchase of an optional package, in addition to the standard package.

MOUSER STOCK NO.	Mfr. Part Number	Supported Devices	Price Each
511—ST7MDT20-DVP3		ST72321J7, ST72321J9, ST72324J2, ST72324J4, ST72324J6, ST72324K2, ST72324K4, ST72324K6	1260.00
511—ST7MDT20-T32/DVP		ST72324K2, ST72324K4, ST72324K6	443.80
511—ST7MDT20-T44/DVP		ST72321J7, ST72321J9, ST72324J2, ST72324J4, ST72324J6	375.20
511—ST7MDT20-T64/DVP		ST72321R6, ST72321R7, ST72321R9, ST72521R6, ST72521R7, ST72521R9	655.20
511—ST7MDT20-T80/DVP		ST72521M9	413.00

EMULATORS FOR THE ST7 FAMILY

The ST7 real time development system consists of various hardware and software components, which together form a flexible and sophisticated system designed to provide comprehensive development support for the ST7 family of microcontrollers.

Features:

- A common hardware development system mainframe supports the entire ST7 family of microcontrollers.
- 64K bytes of user modifiable and configurable emulation RAM, allows memory mapping of all ST7 family devices as well as modeling hypothetical memory configurations.
- Logic analyzer events may trigger a breakpoint or simply define data capture parameters, in accordance to user preferences.
- Simple connection of the emulator system to the host PC via RS-232 serial channel or parallel port.
- Log files allow storage and subsequent redisplay of any display screen for subsequent analysis
- Real-time source level emulation allows viewing and breakpoint setting on high level source code rather than on disassembled target code for optimum user friendliness.
- Unlimited breakpoints may be set for any op-code fetch or any address access, and conditions may be defined for the generation of 2 external synchronization signals.
- 1K by 32-bit wide trace memory for logic analyzer allows complex and sequential events to be defined on any combination of address and data, as well as 3 internal and 5 external logic signals.
- Emulation system may be driven by a Windows-based GNU debugger software or DOS software running on host PC, allowing full control and monitoring of hardware resources.
- Multiple windows allow concurrent real-time display of source code, microcontroller resources, internal registers, trace data, etc.
- Command files can be used to execute a set of debugger commands in batch mode.
- Editable configuration files ensure tailoring of working environment to user preferences.

MOUSER STOCK NO.	Mfr. Part Number	Supported Devices	Price Each
511—ST7MDT1EMU2B		ST72C101, ST72T212, ST72T213, ST72C215 ST72C216, ST72E251, ST72T251 and ST72C254	3920.00
511—ST7MDT2EMU2B		ST72T121, ST72C124, ST72E311, ST72T311, ST72C334 and ST72T5xx	4200.00
511—ST7MDT10-EMU3		ST72260G1, ST72262G1, ST72262G2, ST72264G1, ST72264G2, ST7FLITE05, ST7FLITE09, ST7FLITE20, ST7FLITE25, ST7FLITE29 and ST7FDALI	4200.00
511—ST7MDT20J-EMU3		ST72F321J9, ST72F321J7, ST72F324J6, ST72F324J4, ST72324J2, ST72F324K6, ST72F324K4, ST72324K2, ST72F344J4, ST72344J2, ST72F344K4 and ST72344K2	4468.80
511—ST7MDT20J-TEB		Active probe to convert MDT20M to MDT20J	1635.20
511—ST7MDT20M-EMU3		ST72321M9, ST72F321M9, ST72321M7, ST72F321M7, ST72521M9, ST72F521M9, ST72521M7 and ST72F521M7	4356.80
511—ST7MDT20M-TEB		Active probe to convert MDT20J to MDT20M	2256.80
511—ST7MDT2-PB/TQ44		TQFP-44 probe for ST7MDT2-EMU2B	571.20
511—ST7MDTU2-EMU2B		ST72621J4, ST72621J2, ST72621L4, ST72622L2, ST72621K4, ST72622K2, ST72623F2, ST72611F1, ST72F611F1 and ST72P611F4	3248.00
511—ST7MDTU3-EMU2B		ST7263BKK	3248.00

STMICROELECTRONICS Current 8 & 16-Bit Microcontrollers

USB EVALUATION BOARDS

Demonstration Items

Embedded Peripherals:
- Low speed USB

PC Software:
- ST7MDTULS-EVAL: Driver and API for DFU application
- ST7USB-EVAL/232: None

Microcontroller firmwares:
- ST7MDTULS-EVAL: USB library, HID functions, DFU capability
- ST7USB-EVAL/232: USB library, HID functions, UART by I.Os, bridge flow control

Evaluation Items

Hardware:
- ST7MDTULS-EVAL: 2 sockets: SDIP42 (ST7262), SDIP32 (ST7263B)
- ST7USB-EVAL/232: 9 pin RS-232 interface

PC Software:
- ST7MDTULS-EVAL: HID application with the Microsoft driver. DFU example with ST driver
- ST7USB-EVAL/232: Application example with the Microsoft HID driver

Emulator:
- ST7MDTULS-EVAL: MDTU3 for ST7263B, MDTU2 for ST7262
- ST7USB-EVAL/232: MDTU2

MCU Programming:
- ST7MDTULS-EVAL: None
- ST7USB-EVAL/232: ICC connector

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Supported Devices	Price Each
511	ST7MDTULS-EVAL	ST7262x Series and ST7263B	122.99
511	ST7USB-EVAL/232	ST7261x Series	89.60

ST7 TRAINING & EVALUATION BOARDS

ST training and evaluation kits are prototype target boards with basic features designed for evaluating sample devices and for self-training on ST7 devices. They offer the following benefits:

Self Training:
Many exercises in the user manual will allow designers to familiarize themselves with the ST7 and peripherals and reduce development times.

Evaluation:
- Designers can perform tests and evaluate all the peripherals of the ST7: SPI, I2C, SCI, CAN, etc.

Programming:
- The board is equipped with the ISP/ICC connector to allow flash in-situ programming

Features:
- ISP/ICC connector
- RS-232 connector
- Trimmer
- LCD, LED's
- Reset button
- External interrupt management
- Buzzer
- Prototype area
- Power supply

Supplemental Hardware

Hardware Compatibility:
- ST7MDT20-EVC/US: In TQFP-64 (socket CAB) EMU2B, DVP2, inDART, STICK, EPB2
- ST7MDT20-EVY/US: In TQFP-64 (socket Yamaichi) EMU2B, EMU3, DVP2, DVP3, inDART, STICK, EPB2

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Supported Devices	Price Each
511	ST7MDT20-EVC/US	ST72124, ST7231x, ST72321, ST72334, ST72511, ST72512, ST72521	980.00
511	ST7MDT20-EVY/US	ST72124, ST7231x, ST72321, ST72334, ST72511, ST72512, ST72521	683.20

ST7 ENGINEERING PROGRAMMING BOARD (EPB)

The ST7 EPB series of programming boards is able to program all ST7 microcontrollers with OTP, EPROM, EEPROM or flash memories, regardless of socket type. Certain programming boards also support ISP (in-situ programming) or ICP (in-circuit programming). These boards are driven by ST programming software (ST Visual Programmer (STVP7), which includes all useful functions such as verify, blank check, read master and others.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Supported Devices	Price Each
511	ST7MDT1EPB2/US	ST72101G1, ST72101G2, ST72212G2, ST72T213G1, ST72251G1, ST72251G2, ST72104G1, ST72104G2, ST72215G2, ST72216G1,ST72254G1 and ST72254G2	378.00
511	ST7MDT2EPB2/US	ST72121J2, ST72121J4, ST72124J2, ST72124J4, ST72311J2, ST72311J4, ST72314J2, ST72314J4, ST72331J2, ST72331J4, ST72331J2, ST72331J4, ST72334J2, ST72334J4, ST72311N2,ST72311N4, ST72314N2, ST72314N4, ST72331N2, ST72331N4, ST72334N2, ST72334N4, ST72311N2, ST72311N4, ST72314N2, ST72314N4, ST72331N2, ST72331N4, ST72334N2, ST72334N4, ST72532R4, ST72311R6, ST72311R7, ST72311R9, ST72512R4, ST72511R6, ST72511R7 and ST72511R9	408.80
511	ST7MDT5EPB/US	ST72T141	278.60
511	ST7MDT6EPB2/US	ST72C171	334.60
511	ST7MDT10-EPB/US	ST7LITE0x, ST7LITE2x, ST7226x	366.80
511	ST7MDT20M-EPB/US	ST72321 (64 pins), ST72521	380.80
511	ST7MDTU2-EPB/US	U2: ST7262x, U3: ST7263B, U5: ST7265x	468.00
511	ST7MDTU3-EPB/US	ST72F63BK1B1, ST72F63BK2B1, ST72F63BK4B1, ST72F63BK1M1, ST72F63BK2M1 and ST72F63BK4M1	504.00

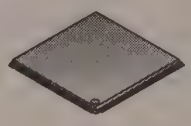
ST7 FLASH STICK (ST IN-CIRCUIT COMMUNICATION KIT)

The ST in-circuit communications kit (STICK) is an ideal introduction to the world of ST7 flash microcontrollers. It is a complete kit for programming the flash ST7 microcontroller. The STICK acts as a communications interface between your PC and the ST7 flash microcontroller soldered on your application board. It can program ST7 flash devices powered with any voltage within their datasheet specified range.

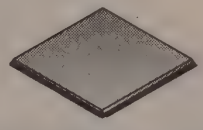
Features:
- ST7 visual programmer software (STVP7)
- Interface board
- Power supply
- All necessary cables

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Supported Devices	Price Each
511	ST7-STICK/US	ST7LITE Series, ST7226x Series, ST7232x Series, ST72252x Series, ST7256x Series	93.60

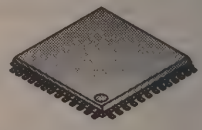
TQFP-64



TQFP-100



PQFP-100



ST9 HIGH PERFORMANCE STANDARD CORE ARCHITECTURE 8/16-BIT

The rapidly growing area of real-time applications represents one of the most demanding operating environments for today's microcontrollers. Processors are required to execute complex control algorithms, within a defined minimum response time. With the increasing complexity of embedded control applications, a significant increase in CPU performances and peripheral functionality over conventional 8-bit controllers is required. Designed to meet market needs for cost-effective, high-performance MCUs, the ST9 family bridges the gap between the worlds of 8 and 16-bit microcontrollers and covers a large range of requirements in the high-end 8-bit and low-end 16-bit applications. With an ST9 microcontroller you have the 16-bit performance (sophisticated data manipulation, real time event handling) and the 8-bit advantages (price, noise, power consumption,...). With the ST9 family, STMicroelectronics offers significant performance and flexibility advantages over traditional 8-bit microcontrollers. It is the unequaled solution for more performance. It provides innovative answers to your embedded control requirements with competitive MCU solutions for today and tomorrow.

Abbreviations:
BLPD = Byte level protocol decoder
CAN = Controller area network
I2C = Inter-integrated circuit
PLL = Phase locked loop
SCI = Serial communications interface
SPI = Serial peripheral interface

For quantities of 100 and up, call for quote

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package Type	Features & Characteristics: Prog. Mem.	Memory Type	RAM	E²PROM	A/D inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	Price Each 1-99
Surface Mount												
511	ST92F150CR1TC	TQFP-64	128K	Flash EEPROM	4K	1K	8x10-Bit	3x16-Bit	SPI/SCI/I2C/CAN	48	CAN, PLL clock, low-power	13.14
511	ST92F150CV1QB	PQFP-100	128K	Flash EEPROM	4K	1K	16x10-Bit	5x16-Bit	SPI/2SCI/I2C/CAN	77	CAN, PLL clock, low-power	14.10
511	ST92F150CV1TB	TQFP-100	128K	Flash	4K	1K	16x10-Bit	5x16-Bit	SPI/2SCI/I2C/CAN	77	WDG, CAN 2.0B active, PLL clock, low-power, LIN master	13.82
511	ST92F150JDV1QC	PQFP-100	128K	Flash	4K	1K	16x10-Bit	5x16-Bit	SPI/2SCI/I2C/CAN	77	WDG, CAN 2.0B active, PLL clock, low-power, LIN master	16.38
511	ST92F150JDV1TC	TQFP-100	128K		4K	1K	16x10-Bit	5x16-Bit	SPI/2SCI/I2C/CAN	77	WDG, CAN 2.0B active, PLL clock, low-power, LIN master	15.82
511	ST92F250CV2TB	TQFP-100	256K	Flash EEPROM	8K	1K	16x10-Bit	5x16-Bit	SPI/2SCI/I2C/CAN	77	2-CAN, PLL clock, J18520 BLPD	18.82
511	ST92F250CV2QB	PQFP-100	256K	Flash EEPROM	8K	1K	16x10-Bit	5x16-Bit	SPI/2SCI/I2C/CAN	80	CAN, PLL clock, low-power	16.30

ST9 EVALUATION BOARD

aim of this Evaluation Board is to provide the user with a ready-to-use hardware ironment for ST9 general purpose microcontrollers. The kit contains the hardware uired for testing the principal peripherals, such as timers, SPI and SCI interfaces, converters and I/O Ports. This kit, however, does not cover CAN and J1850 ices, but a wire-wrap area, available for connecting specific components, is uded and can be used to connect CAN or J1850 transceivers. If the same pheral is present several times on the MCU (e.g. the multifunction timer on the 2F120/F124/F150/F250) the board may be used to test at least one of them, but always all of them.

- Motherboard for ST9 Evaluation Board
- ST92F120-PQFP100 daughterboard
- ST92F150-TQFP64 daughterboard
- AC/DC adaptor
- RS232 serial cable (male-Male)

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	Mfr. Part Number		
511—	ST92F150-EVAL	ST92F120, ST92F124, ST92F150, ST92F250	1168.70

EMULATORS FOR THE ST9 FAMILY

ST9 real time development system consists of various hardware and software components, ch together form a flexible and sophisticated system designed to provide comprehensive elopment support for the ST9 family of microcontrollers.

rdware Features:

lock source selectable
4 MHz oscillator on probe
5 MHz oscillator on probe
5 MHz quartz on probe
TTL source from application
pplication power up detection
external input triggers
1 input trigger on subclic connector
8 input triggers from analyzer probe
output triggers (TTL levels)

ulator Description:

lainboard is included in a box powered by an external ower supply.
licrocontroller specific probe
Vindows based IDE STVD9 software running nder Windows 95/98/NT4.0.
mulator is connected to the user application through the robe: ST90158-EMU2B adapts to QFP80 or TQFP80 package.
mulator connected to a host PC or compatible with a standard arallel cable 3V or 5V +/- 10% operating voltage.
p to 24 MHz internal clock operation at 5V and 16 MHz at 3V.

OUSER STOCK NO.		Supported Devices	Price Each
r.	Mfr. Part Number		
—ST90158EMU2B		ST90T158	5250.00
—ST92F150EMU2		ST92F120, ST92F150, ST92F250	5633.33
—ST92141EMU2		ST92T141	4083.80
—ST92163EMU2		ST92T163	3966.20

ST9 ENGINEERING PROGRAMMING BOARD (EPB)

These engineering programming boards (EPB) feature in-system programming capability for ST9 flash devices. Gang programmers are provided by various third-party vendors. The programming board is linked via a parallel port to a host PC running the ST9 Visual Programmer software (STVP9). This software interface allows you to customize and control the programming.

Hardware Features:

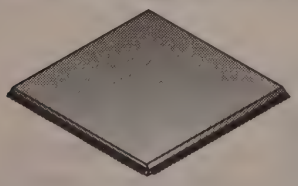
- Programs all the ST9 EPROM, OTP and Flash microcontrollers
- Supports In Situ Programming (ISP) for Flash devices.

Software Features:

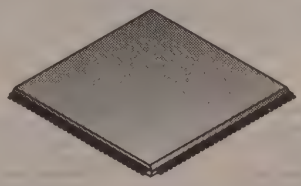
- View & verify microcontroller's memory contents
- Program executable files into microcontrollers
- Motorola S19 or Intel Hex file formats
- Either create a project that defines how to program the microcontroller or load the files whose contents you want to program and then execute the program.
- Motorola S19 or Intel Hex file formats

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	Mfr. Part Number		
511—	ST90E158EPB2/US	ST90T158	875.00
511—	ST92F150-EPB/US	ST92F124, ST92F150, ST92F240	875.00
511—	ST92E141EPB/US	ST92T141	408.80
511—	ST92E163EPB/US	ST92T163	350.00

TQFP-100



PQFP-144



ST10 FAST STANDARD CORE WITH ADVANCED INTERRUPT MANAGEMENT 16-BIT

icroelectronics' ST10 processor core has been conceived specifically for embedded applications in custom em-on-chip products for demanding markets like hard disk, CD-ROM drives, DVD, car radio devices and engine agement units. The ST10 architecture is a 16-bit instruction word CMOS microcontroller with 4-stage pipeline. cked at 40MHz, it executes speed critical routines ,so instructions typically execute in 50ns. Building on ST's erience in embedded cores, the ST10 architecture is also based on an analysis of the real needs of system gners and software engineers in some of the fastest-moving segments of the industry, where high performance, power consumption and fast time to market are all essential.

CAN = Controller area network
CAPCOM = Capture compare
MAC = Multiply accumulator
PEC = Peripheral event controller
PWM = Pulse width modulator
SSC = Single-cycle switching support
SSP = Synchronous serial port
USART = Universal sync/async receiver transmitter

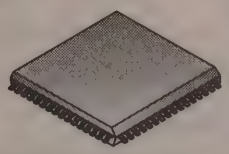
For quantities of 100 and up, call for quote.

OUSER STOCK NO.		Package Type	Features & Characteristics								Price Each
r.	Mfr. Part Number		Prog. Mem.	Memory Type	RAM	A/D inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	1-99
rface Mount											
—ST10R172LT1		TQFP-100	ROM less	None	1K	-----	5x16-Bit	USART/SSP	77	WDG, 50MHz, ROMless, PEC, PWM	7.02
—ST10R172LT6		TQFP-100	ROM less	None	1K	-----	5x16-Bit	USART/SSP	77	WDG, 50MHz, ROMless, PEC, PWM	7.14
—ST10R272LT1		TQFP-100	ROM less	None	1K	-----	5x16-Bit	USART/SSP	77	WDG, 50MHz, ROMless, PEC, PWM, MAC	7.50
—ST10R272LT6		TQFP-100	ROM less	None	1K	-----	5x16-Bit	USART/SSP	77	WDG, 50MHz, ROMless, PEC, PWM, MAC	8.63
—ST10R167-Q3		PQFP-144	ROM less	None	4K	16x10-Bit	5x16-Bit	USART/SSC/CAN	111	WDG, 25MHz, PEC, CAN, PWM, CAPCOM	19.69
—ST10F269Z1Q3		PQFP-144	128K	Flash	12K	16x10-Bit	5x16-Bit	USART/SSC/2xCAN	111	WDG, 40MHz, PEC, CAN, PWM, CAPCOM, MAC	32.00
—ST10F269Z2Q3		PQFP-144	256K	Flash	12K	16x10-Bit	5x16-Bit	USART/SSC/2xCAN	111	PEC, CAN, PWM, CAPCOM, MAC	31.50
—ST10F269Z2Q6		PQFP-144	256K	Flash	12K	16x10-Bit	5x16-Bit	USART/SSC/2xCAN	111	PEC, CAN, PWM, CAPCOM, MAC	30.00

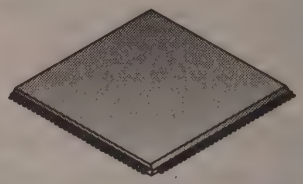
STMICROELECTRONICS Current 16 / 32-Bit Microcontrollers

STMicroelectronics

TQFP-64



TQFP-144



STR710F SERIES ARM™ CORE 16/32-BIT

Invest in a microcontroller that can grow to meet expanding performance requirements and allows you to reuse your software and hardware investment. The STR710F series is ideal for embedded applications requiring a compact yet powerful MCU, or versatile scalable solutions such as user interfaces, factory automation systems and point-of sale applications. Built on leading ARM™ architecture, the STR710F series makes you extremely responsive to emerging requirements, enabling you to implement changes rapidly at low cost.

Key Benefits:

- Shortens your development cycle and adapts easily to your customers' expectations
- Best-in-class Flash random access times:
  - up to 48MHz with 0 wait states (with acceleration)
  - up to 30MHz with 0 wait states (without acceleration) with no penalty from context switches and branches. This allows deterministic and optimum behavior ideal for real time applications
- Small, low pin-count TQFP64 package
- TQFP144 package with external memory bus

Key Features:

- Industry standard ARM7TDMI RISC 16/32 bit CPU
- 128K / 256K embedded Flash
- 16 /64K high-speed SRAM
- Versatile package options
- Up to 10 communication interfaces including CAN, USB, HDLC, MMC and smartcard interface
- Four low power modes
- Extensive application development tools including a low-cost kit based on the popular ARM RealView® Developer Suite.

Abbreviations:
CAN = Controller area network
EMI = External memory interface
HDLC = High level data link controller
I2C = Inter-integrated circuit
RTC Real time clock
SC = Smart card
SCI = Serial communications interface
SPI = Serial peripheral interface
UART = Universal asynchronous receiver transmitter
USB = Universal serial bus
WDG = Watch dog timer

For quantities of 100 and up, call for quo

MOUSER STOCK NO.		Package Type	Features & Characteristics								Price Each
Mfr.	Mfr. Part Number		Prog. Mem.	Memory Type	RAM	A/D inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	1-99
Surface Mount											
511—	STR710FZ1T6	TQFP-144	128+16K	Flash	32K	4x12-Bit	5 (5/8/3)	2xSPI/2xI2C/4xUART/HDLC/SC	48 (8)	WDG, RTC, EMI, CAN, USB	14.5
511—	STR710FZ2T6	TQFP-144	256+16K	Flash	64K	4x12-Bit	5 (5/8/3)	2xSPI/2xI2C/4xUART/HDLC/SC	48 (8)	WDG, RTC, EMI, CAN, USB	16.1
511—	STR711FR1T6	TQFP-64	128+16K	Flash	32K	4x12-Bit	5 (5/8/3)	2xSPI/2xI2C/4xUART/HDLC/SC	30 (0)	WDG, RTC, USB	11.5
511—	STR711FR2T6	TQFP-64	256+16K	Flash	64K	4x12-Bit	5 (5/8/3)	2xSPI/2xI2C/4xUART/HDLC/SC	30 (0)	WDG, RTC, USB	13.1
511—	STR712FR1T6	TQFP-64	128+16K	Flash	32K	4x12-Bit	5 (5/8/3)	2xSPI/2xI2C/4xUART/HDLC/SC	32 (0)	WDG, RTC, CAN	12.6
511—	STR712FR2T6	TQFP-64	256+16K	Flash	64K	4x12-Bit	5 (5/8/3)	2xSPI/2xI2C/4xUART/HDLC/SC	32 (0)	WDG, RTC, CAN	15.4

ST7 ARM LOW COST STARTER KIT

The starter kits are complete, cost effective solutions for starting application development and evaluating STMicroelectronic's ARM™-core based microcontrollers. They come with all the hardware and software developers need to start developing applications for STR711F and STR712F devices, including the KickStart Development Board with STR71xF microcontroller, the IAR JLink-KS USB-to-JTAG debugger and IAR Embedded Workbench® integrated development environment with 32KB KickStart version of the C/C++ compiler, built in Flash loader and sample projects covering all STR71xF peripherals.

Kit includes:

- **KickStartTM Development Board**
  - 20-pin JTAG interface connector
  - 5V power supply from JLink-KS USB connection furnished via JTAG connection (no external power supply required)
  - Optional external 5-9V power supply
  - Two LEDs
  - External oscillator
  - Two push buttons
  - Reset button
  - RS232 drivers
  - Two UART DB9 connectors
  - Two SPI ports
  - Two I2C ports
  - Potentiometer connected to ADC
  - CAN connector (STR712-SK/IAR)
  - STR712FR2 microcontroller (STR712-SK/IAR)
  - USB connector (STR711-SK/IAR)
  - STR711FR2 microcontroller (STR711-SK/IAR)
- **Additional support files**
  - Sample projects for STR711F and STR712F peripherals
  - STR71xF standard and USB libraries
  - Quick start guide
- **JLink-KS:**
  - Supplies 5V from USB connection via pin 19 of the JTAG connector (no additional power supply required)
  - Download speed up to 50KB/sec
  - Maximum JTAG speed 8MHz
  - Auto speed recognition
  - 20-pin standard JTAG connector
  - USB and 20-pin flat cable included
  - Supported platforms: Microsoft® Windows® 2000 and XP
- **Software CD with:**
  - IAR Embedded Workbench®
  - KickStart 32KB C/C++ compiler
  - C-SPY™ debugger
  - Complete integration with JLink-KS
  - Editor, linker and librarian tools
  - Built-in Flash programming visualSTATE®
  - Powerful code generator creates C/C++ that is absolutely consistent with the system design
  - Advanced verification and validation tools
  - 20-state version included
  - Automatic generation of design documentation

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	Mfr. Part Number		
511—	STR711-SK/IAR	STR711FR1T6 and STR711FR2T6	299.00
511—	STR712-SK/IAR	STR712FR1T6 and STR712FR2T6	299.00

REALVIEW DEVELOPER KIT FOR ST7 ARM™ MICROCONTROLLERS

The RealView Developer Kit for ST is a powerful complete, low-cost development solution that allows you to build, debug and optimize applications for any STR71x, STR720 microcontroller. It includes the RealView C compilation tools, windows-based debugger and the RealView ICE Micro Edition (RVICE-ME) JTAG run control unit, all developed specifically for our line of STR7 devices.

Kit includes:

- Realview C complier
- Windows based debugger
- Realview ICE Micro Edition JTAG run control device

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	Mfr. Part Number		
511—	STR7-RVDK	STR710FZ1T6, STR710FZ2T6, STR711FR1T6, STR711FR2T6, STR712FR1T6 and STR712FR2T6	2240.0

STR7 ARM™ EVALUATION BOARD

The STR710-EVAL board is a complete development platform for the STR71x series. The STR710-EVAL board is a cost effective, flexible and open design to demonstrate the capability of the STR71x series of flash micro-controllers and to enable rapid evaluation of the STR71x devices and available peripherals. It includes the high performance STR710FZ2T6 ARM7TDMITM device that boasts 256 Kbytes embedded flash with best-in-class random access time, 64 Kbytes on-chip high speed SRAM as well as up to 10 serial communication interfaces, including USB and CAN.

Main Components

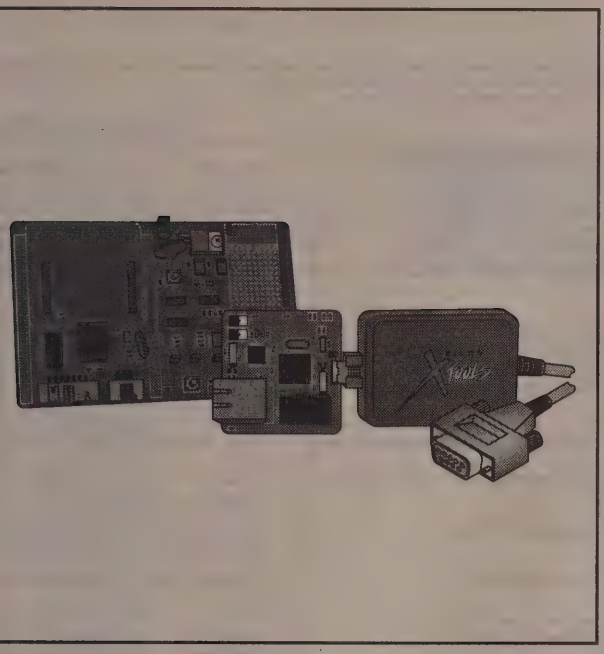
- STR710F processor running at 48 MHz
- EMI SRAM 4 Mbytes (2Mx16)
- EMI flash 4 Mbytes (2Mx16)
- SPI serial flash
- I2C EEPROM
- LCD display

Features:

- Support for the following interfaces:
  - USB
  - CAN
  - RS232
- LED displays
- Buzzer
- Test Buttons
- JTAG connector

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	Mfr. Part Number		
511—	STR710-EVAL	STR71x series of flash microcontrollers	812.0

ZILOG eZ80Acclaim! Flash Microcontrollers



Feature:	eZ80F91	eZ80F92	eZ80F93
ximum Speed	50MHz	20MHz	20MHz
dress/Data Bus dth	24-Bit / 8-Bit	24-Bit / 8-Bit	24-Bit / 8-Bit
sh / SRAM mory	256KB / 16KB	128KB / 8KB	64KB / 4KB
ner On-Chip mory	512 Bytes Configuration Flash	256 Bytes Configuration Flash	256 Bytes Configuration Flash
cess Time / sh / SRAM	60ns / <20ns	60ns / <20ns	60ns / <20ns
ximum dressable Space	16MB Linear	16MB Linear	16MB Linear
ernal Bus I / F	Yes	Yes	Yes
ip Selects and it- State nerators	4	4	4
AC	1 X 10/100MBps	No	No
RT with HW ndshake	2 (UART0 has IrDA Endec)	2 (UART0 has IrDA Endec)	2 (UART0 has IrDA Endec)
	1	1	1
	1	1	1
ers	4 X 16-Bit	6 X 16-Bit	6 X 16-Bit
cial Timer tures	Selectable timer clock inputs, 2X external event counter, 2X Tout, 4X PWM, 4X Captures, 4X Compares	2X Tin, 2X Tout	2X Tin, 2X Tout
l-Time Clock	Yes	Yes	Yes
tchdog Timer	Yes	Yes	Yes
O	32	24	24
Featured PLL	Yes	No	No
AG	Yes, Also supports ZDI	Yes, Supports debugging only. Also supports ZDI	Yes, Supports debugging only. Also supports ZDI
erating Voltage	3.0 - 3.6V	3.0 - 3.6V	3.0 - 3.6V
kage	LQFP - 144	LQFP - 100	LQFP - 100

EZ80F91 FLASH MICROCONTROLLER

Features:

- eZ80 core operating at 50MHz
- On-chip 10/100BaseT Ethernet MAC
- 256KB on-chip Flash memory
- 16KB on-chip SRAM
- Power management features supporting Sleep, Halt, and peripheral power-down controls
- Glueless external bus supporting eZ80, Z80, Intel, and Motorola modes
- 32 GPIO
- IrDA compatible Infrared Encoder/Decoder
- Two independent UARTs with multidrop mode
- SPI and I2C ports
- Four, 16-bit counter/timers with I/O capability
- Watch Dog Timer with selectable clock inputs
- Real-time clock with on-chip 32KHz oscillator
- Full-feature PLL
- JTAG and ZiLOG Debug Interfaces
- Interrupt controller supporting internal and external maskable interrupts as well as non-maskable interrupts input
- New DMA-like eZ80 instructions

Description:

The eZ80F91 is the flagship device of the eZ80Acclaim! family of Flash Microcontrollers (MCUs). With 50MHz speed and an on-chip Ethernet MAC, designers now have the necessary performance to execute complex applications quickly and efficiently. Combining 256KB of Flash with 16KB SRAM, the eZ80F91 provides the memory needed to implement communication protocol stacks and achieve the flexibility when performing in-system updates of application firmware. Complementing the high performance, the eZ80F91 offers a rich set of serial communication peripherals to address application designs ranging from consumer electronics and point-of-sale terminals to security systems and industrial control.

MOUSER STOCK NO.	Description	Price Each		
Mfr. Mfr. Part No.		1	25	100
692—EZ80F915050MOD	eZ80F91 Module	75.00	74.00	Call for Quote
692—EZ80F915005MOD	Mini Ethernet Module	46.67	41.67	

MOUSER STOCK NO.	Package	Mem. Flash (bytes)	SRAM (bytes)	Speed (MHz)	Count /timers	Temp. Range	Price Each			
Mfr. Mfr. Part No.							1	25	100	500
692—EZ80F91AZ050SC	LQFP-144	256K	16K	50	4	0 - 70	19.88	18.07	15.29	Call for Quote
692—EZ80F91AZ050EC	LQFP-144	256K	16K	50	4	-40-105	21.86	19.87	16.82	
692—EZ80F91NA050EC	BGA-144	256K	16K	50	4	-40-105	20.78	19.05	16.33	
692—EZ80F91NA050SC	BGA-144	256K	16K	50	4	0 - 70	18.98	17.40	14.91	

Development Kit

MOUSER STOCK NO.	Description	Price Each
Mfr. Mfr. Part No.		
692—EZ80F910100KIT	EZ80F91 Development Kit	129.95

EZ80F92 FLASH MICROCONTROLLER

Features:

- eZ80 core operating at 20MHz
- Up to 128KB on-chip Flash memory
- Up to 8KB on-chip SRAM
- Power management features supporting Sleep, Halt, and peripheral power-down controls
- Glueless external bus supporting eZ80, Z80, Intel, and Motorola modes
- Up to 24 GPIO
- IrDA compatible Infrared Encoder/Decoder
- Two independent UARTs with multidrop mode
- SPI and I2C ports
- Six, 16-bit counter/timers with I/O capability
- Watch Dog Timer with selectable clock inputs
- Real-time clock with on-chip 32KHz oscillator
- JTAG and ZiLOG Debug Interfaces
- Interrupt controller supporting internal and external maskable interrupts as well as non-maskable interrupts input
- New DMA-like eZ80 instructions

Description:

The eZ80F92 is another of the devices which make up the eZ80Acclaim!™ family of Flash Microcontrollers (MCUs). Combining 20MHZ speed, 128KB of Flash, and 8KB SRAM, the eZ80F92 provides the performance and memory needed to implement communication protocol stacks and achieve the flexibility when performing in-system updates of application firmware. Complementing the high performance, the eZ80F92 offers a rich set of serial communication peripherals to address application designs ranging from consumer electronics and point-of-sale terminals to security systems and industrial control. The zZ80L92 is the ROMless equivalent to the eZ80F92/93.

MOUSER STOCK NO.	Description	Price Each		
Mfr. Mfr. Part No.		1	25	100
692—EZ80F920020MOD	eZ80F92 Flash Module	84.10	76.45	Call for Quote
692—EZ80F920120MOD	eZ80F92 Ethernet Module	108.00	98.18	

MOUSER STOCK NO.	Package	Mem. Flash (bytes)	SRAM (bytes)	Speed (MHz)	Count /timers	Temp. Range	Price Each			
Mfr. Mfr. Part No.							1	25	100	500
692—EZ80F92AZ020SC	LQFP-100	128K	8K	20	6	0 - 70	11.36	10.42	8.93	Call
692—EZ80F92AZ020EC	LQFP-100	128K	8K	20	6	-40-105	12.51	11.47	9.83	

Development Kit

MOUSER STOCK NO.	Description	Price Each
Mfr. Mfr. Part No.		
692—EZ80F920200ZCO	eZ80F92 Development Kit	399.95

EZ80F93 FLASH MICROCONTROLLER

Attention:

- Above features and development kit for eZ80F92Acclaim!™ are applicable to eZ80F93Acclaim!™.

Description:

The eZ80F93 is a new part comprising part of the eZ80Acclaim!™ family of Flash Microcontrollers (MCU's). Combining 20MHz speed, 64KB of Flash, and 4KB SRAM, the eZ80F93 provides the performance and memory needed to implement communication protocol stacks and achieve the flexibility when performing in-system updates of application firmware. Complementing the high performance, the eZ80F93 offers a rich set of serial communication peripherals to address application designs ranging from consumer electronics and point-of-sale terminals to security systems and industrial control.

MOUSER STOCK NO.	Package	Mem. Flash (bytes)	SRAM (bytes)	Speed (MHz)	Count /timers	Temp. Range	Price Each			
Mfr. Mfr. Part No.							1	25	100	500
692—EZ80F93AZ020SC	LQFP-100	64K	4K	20	6	0 - 70	10.56	9.68	8.30	Call
692—EZ80F93AZ020EC	LQFP-100	64K	4K	20	6	-40-105	11.62	10.65	9.13	

ZILOG Microcontrollers

ZILOG Z8 ENCORE!™ FLASH MCU DEVELOPMENT KIT

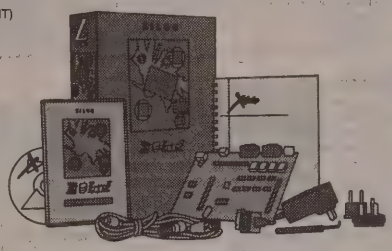
The Z8 Encore! Microcontroller (MCU) Development Kit is a general-purpose platform that allows design engineers to evaluate the capabilities and operation of the Z8 Encore! family of microcontrollers and provides tools to shorten the development cycle. Included with the Development Kit is a free full-version ANSI C-Compiler and a Target Interface Module board that interfaces with the on-chip debugger converting a one-wire interface to a two-wire RS-232-like interface. All necessary hardware, software tools, and technical documentation are included, to provide a complete solution at minimal cost.

Features:

Hardware:
- Evaluation Board, Z8 Encore!
- Smart Cable – DB9 to six-pin male (Z8F08200100KIT)
- RS-232 DB9 Serial Cable
- 9VDC Universal Power Supply

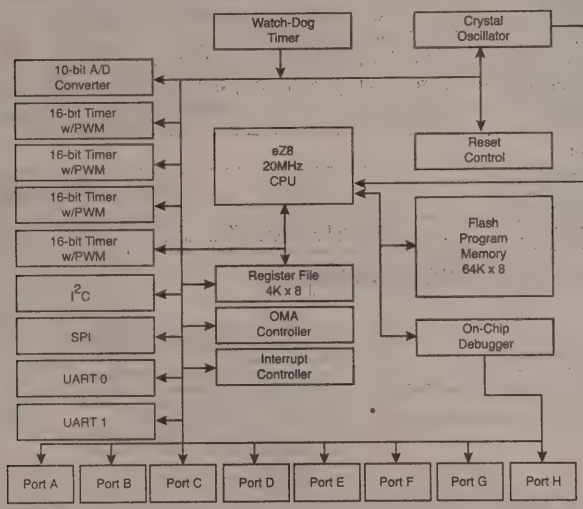
Software:
- ZDS II - Z8 Encore! IDE with ANSI C-Compiler
- Sample code
- Device Driver software

CD-ROM contains:
- ZDS II Quick Start Guide
- Development Kit User Manual
- ZDS II - IDE User Manual
- EZ8 CPU User Manual
- Product Specifications
- Product Briefs
- Application Notes
- Flyer
- Product Linecard



MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
692—	Z8F08200100KIT	ENCORE! KIT (4K-8K Flash)	39.95
692—	Z8F64200100KIT	ENCORE! KIT (16K-64K Flash)	39.95
692—	Z8ENCORE000ZAC	Smart Cable Accessory Kit	19.95
692—	Z8F642ICE00ZEM	In Circuit Emulator	2795.00

The New Z8 Encore!™ MCU Block Diagram



Features:	Benefits
20MHz CPU Operation	Faster execution of CPU instructions at up to 10 MIPS
Up to 12-Channel, 10-Bit A/D Converter	Precise measurement of analog signals
3-Channel DMA (16-64KB Parts Only)	Increases performance by allowing direct peripheral-to-memory swaps
Up to 64KB of Flash	Allows for code upgrades anytime during development (even in final application)
Up to 4KB SRAM	Extends data space to accommodate large stanck and data tables
SPI and I2C Ports	Supports both universal serial communication protocols with ability to operate simultaneously
Up to Two 9-Bit UARTs	Enables full featured serial communications including RS-485 and IrDA Encoder/Decoder interface
Up to Two 9-Bit UARTs	Enables full featured serial communications including RS-485 and IrDA Encoder/Decoder interface
Up to 24 Interrupts	Hardware interrupts increase CPU's bandwidth
Up to Four 16-Bit Timers with PWMs	Multi-mode timers allow for precise measurement of system events
Single-pin, On-Chip Debugger	Eliminates need for external debug hardware

ZILOG Z8 ENCORE!™ MICROCONTROLLERS

♦ Surface Mount Devic

- Each Z8 Encore! Microcontroller contains the following: Watchdog Timers, SPI Port, 12C Port.
- Core Speed: 20 MHz

For quantities of 1000 and up, call for quot

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Flash (Bytes)	RAM (Bytes)	I/O Lines	Interrupts	16-Bit Timers	PWM's	10-Bit A/D Channels	DMA Controller	UARTs	Voltage (V)	Temp	Price Each 1	25	100	500
♦ 692—	Z8F0411HH020SC	SSOP-20	4K	1K	11	16	2	2	-	-	1	2.7 to 3.6	0 to 70	2.03	1.85	1.45	1.36
♦ 692—	Z8F0421HH020SC	SSOP-20	4K	1K	11	16	2	2	2	-	1	2.7 to 3.6	0 to 70	2.14	1.94	1.53	1.42
♦ 692—	Z8F0412SJ020SC	SOIC-28	4K	1K	19	19	2	2	-	-	1	2.7 to 3.6	0 to 70	2.11	1.92	1.51	1.41
♦ 692—	Z8F0422SJ020SC	SOIC-28	4K	1K	19	19	2	2	5	-	1	2.7 to 3.6	0 to 70	2.21	2.01	1.58	1.47
♦ 692—	Z8F0411HH020EC	SSOP-20	4K	1K	11	16	2	2	-	-	1	2.7 to 3.6	-40 to 105	2.14	1.94	1.53	1.42
692—	Z8F0411PH020EC	PDIP-20	4K	1K	11	16	2	2	-	-	1	2.7 to 3.6	-40 to 105	2.40	2.19	1.72	1.60
692—	Z8F0411PH020SC	PDIP-20	4K	1K	11	16	2	2	-	-	1	2.7 to 3.6	0 to 70	2.29	2.08	1.64	1.53
692—	Z8F0412PJ020EC	PDIP-28	4K	1K	19	19	2	2	-	-	1	2.7 to 3.6	-40 to 105	2.56	2.33	1.83	1.71
692—	Z8F0412PJ020SC	PDIP-28	4K	1K	19	19	2	2	-	-	1	2.7 to 3.6	0 to 70	2.44	2.22	1.74	1.63
♦ 692—	Z8F0412SJ020EC	SOIC-28	4K	1K	19	19	2	2	-	-	1	2.7 to 3.6	-40 to 105	2.22	2.01	1.58	1.48
♦ 692—	Z8F0421HH020EC	SSOP-20	4K	1K	11	16	2	2	-	-	1	2.7 to 3.6	-40 to 105	2.24	2.04	1.60	1.49
692—	Z8F0421PH020EC	PDIP-20	4K	1K	11	16	2	2	2	-	1	2.7 to 3.6	-40 to 105	2.51	2.28	1.79	1.67
692—	Z8F0421PH020SC	PDIP-20	4K	1K	11	16	2	2	2	-	1	2.7 to 3.6	0 to 70	2.39	2.17	1.71	1.59
♦ 692—	Z8F0422SJ020EC	SOIC-28	4K	1K	19	19	2	2	5	-	1	2.7 to 3.6	-40 to 105	2.32	2.11	1.66	1.55
♦ 692—	Z8F0811HH020SC	SSOP-20	8K	1K	11	16	2	2	-	-	1	2.7 to 3.6	0 to 70	2.52	2.29	1.80	1.68
♦ 692—	Z8F0821HH020SC	SSOP-20	8K	1K	11	16	2	2	2	-	1	2.7 to 3.6	0 to 70	2.64	2.40	1.89	1.76
♦ 692—	Z8F0812SJ020SC	SOIC-28	8K	1K	19	19	2	2	-	-	1	2.7 to 3.6	0 to 70	2.59	2.36	1.85	1.73
♦ 692—	Z8F0822SJ020SC	SOIC-28	8K	1K	19	19	2	2	5	-	1	2.7 to 3.6	0 to 70	2.72	2.47	1.94	1.81
♦ 692—	Z8F0811HH020EC	SSOP-20	8K	1K	11	16	2	2	-	-	1	2.7 to 3.6	-40 to 105	2.64	2.40	1.89	1.76
692—	Z8F0811PH020EC	PDIP-20	8K	1K	11	16	2	2	-	-	1	2.7 to 3.6	-40 to 105	2.91	2.65	2.08	1.94
692—	Z8F0811PH020SC	PDIP-20	8K	1K	11	16	2	2	-	-	1	2.7 to 3.6	0 to 70	2.77	2.52	1.98	1.85
692—	Z8F0812PJ020EC	PDIP-28	8K	1K	19	19	2	2	-	-	1	2.7 to 3.6	-40 to 105	3.07	2.79	2.19	2.05
692—	Z8F0812PJ020EC	PDIP-28	8K	1K	19	19	2	2	-	-	1	2.7 to 3.6	0 to 70	3.07	2.79	2.19	2.05
♦ 692—	Z8F0812SJ020EC	SOIC-28	8K	1K	19	19	2	2	-	-	1	2.7 to 3.6	-40 to 105	2.72	2.47	1.94	1.81
♦ 692—	Z8F0821HH020EC	SSOP-20	8K	1K	11	16	2	2	2	-	1	2.7 to 3.6	-40 to 105	2.77	2.52	1.98	1.85
692—	Z8F0821PH020EC	PDIP-20	8K	1K	11	16	2	2	2	-	1	2.7 to 3.6	-40 to 105	3.04	2.77	2.17	2.03
692—	Z8F0821PH020SC	PDIP-20	8K	1K	11	16	2	2	2	-	1	2.7 to 3.6	0 to 70	2.90	2.63	2.07	1.93
692—	Z8F0822PJ020EC	PDIP-28	8K	1K	19	19	2	2	5	-	1	2.7 to 3.6	-40 to 105	3.20	2.91	2.29	2.14
692—	Z8F0822PJ020SC	PDIP-28	8K	1K	19	19	2	2	5	-	1	2.7 to 3.6	0 to 70	3.05	2.77	2.18	2.03
♦ 692—	Z8F0822SJ020EC	SOIC-28	8K	1K	19	19	2	2	5	-	1	2.7 to 3.6	-40 to 105	2.85	2.60	2.04	1.90
♦ 692—	Z8F1621AN020EC	LQFP-44	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	4.43	4.03	3.17	2.96
♦ 692—	Z8F1621AN020SC	LQFP-44	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	4.22	3.84	3.02	2.82
692—	Z8F1621PM020EC	PDIP-40	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	4.46	4.06	3.19	2.97
692—	Z8F1621PM020SC	PDIP-40	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	4.25	3.86	3.03	2.83

OG Z8 ENCORE!™ MICROCONTROLLERS (CONT.)

♦ Surface Mount Device

ch Z8 Encore! Microcontroller contains the following: • Core Speed: 20 MHz
tchdog Timers, SPI Port, 12C Port.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	Flash (Bytes)	RAM (Bytes)	I/O Lines	Interrupts	16-Bit Timers	PWM's	10-Bit A/D Channels	DMA Controller	UARTs	Voltage (V)	Temp	Price Each 1	25	100	500
92—Z8F1621VN020EC	PLCC-44	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	4.30	3.91	3.07	2.87
92—Z8F1621VN020SC	PLCC-44	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	4.10	3.72	2.93	2.73
92—Z8F1622AR020EC	LQFP-64	16K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40 to 105	4.78	4.35	3.42	3.19
92—Z8F1622AR020SC	LQFP-64	16K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0 to 70	4.56	4.14	3.25	3.04
92—Z8F1622VS020EC	PLCC-68	16K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40 to 105	4.76	4.32	3.40	3.17
92—Z8F1622VS020SC	PLCC-68	16K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0 to 70	4.53	4.12	3.24	3.02
92—Z8F2421AN020EC	LQFP-44	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	5.08	4.62	3.63	3.39
92—Z8F2421AN020SC	LQFP-44	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	4.84	4.40	3.46	3.23
92—Z8F2421PM020EC	PDIP-40	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	5.11	4.64	3.65	3.40
92—Z8F2421PM020SC	PDIP-40	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	4.86	4.42	3.47	3.24
92—Z8F2421VN020EC	PLCC-44	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	4.95	4.50	3.53	3.30
92—Z8F2421VN020SC	PLCC-44	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	4.71	4.28	3.36	3.14
92—Z8F2422AR020EC	LQFP-64	24K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40 to 105	5.43	4.93	3.88	3.62
92—Z8F2422AR020SC	LQFP-64	24K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0 to 70	5.17	4.70	3.69	3.45
92—Z8F2422VS020EC	PLCC-68	24K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40 to 105	5.40	4.91	3.86	3.60
92—Z8F2422VS020SC	PLCC-68	24K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0 to 70	5.14	4.68	3.67	3.43
92—Z8F3221AN020EC	LQFP-44	32K	2K	31	23	3	3	8	Yes	5	3.0 to 3.6	-40 to 105	5.82	5.29	4.15	3.88
92—Z8F3221AN020SC	LQFP-44	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	5.54	5.04	3.96	3.69
92—Z8F3221PM020EC	PDIP-40	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	5.84	5.31	4.17	3.90
92—Z8F3221PM020SC	PDIP-40	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	5.57	5.06	3.98	3.71
92—Z8F3221VN020EC	PLCC-44	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	5.68	5.17	4.06	3.79
92—Z8F3221VN020SC	PLCC-44	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	5.41	4.92	3.87	3.61
92—Z8F3222AR020EC	LQFP-64	32K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40 to 105	6.17	5.61	4.40	4.11
92—Z8F3222AR020SC	LQFP-64	32K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0 to 70	5.87	5.34	4.19	3.91
92—Z8F3222VS020EC	PLCC-68	32K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40 to 105	6.14	5.58	4.38	4.09
92—Z8F3222VS020SC	PLCC-68	32K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0 to 70	5.85	5.31	4.18	3.90
92—Z8F4821AN020EC	LQFP-44	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	6.65	6.04	4.75	4.43
92—Z8F4821AN020SC	LQFP-44	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	6.33	5.75	4.52	4.22
92—Z8F4821PM020EC	PDIP-40	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	6.67	6.07	4.77	4.45
92—Z8F4821PM020SC	PDIP-40	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	6.36	5.78	4.54	4.24
92—Z8F4821VN020EC	PLCC-44	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	6.51	5.92	4.65	4.34
92—Z8F4821VN020SC	PLCC-44	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	6.20	5.64	4.43	4.13
92—Z8F4822AR020EC	LQFP-64	48K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40 to 105	6.99	6.36	5.00	4.66
92—Z8F4822AR020SC	LQFP-64	48K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	0 to 70	6.66	6.06	4.76	4.44
92—Z8F4822VS020EC	PLCC-68	48K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40 to 105	6.97	6.33	4.98	4.65
92—Z8F4822VS020SC	PLCC-68	48K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	0 to 70	6.64	6.03	4.74	4.42
92—Z8F4823FT020EC	QFP-80	48K	4K	60	24	4	4	12	Yes	2	3.0 to 3.6	-40 to 105	7.05	6.41	5.03	4.70
92—Z8F4823FT020SC	QFP-80	48K	4K	60	24	4	4	12	Yes	2	3.0 to 3.6	0 to 70	6.71	6.10	4.80	4.48
92—Z8F6421AN020EC	LQFP-44	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	7.23	6.57	5.16	4.82
92—Z8F6421AN020SC	LQFP-44	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	6.89	6.26	4.92	4.59
92—Z8F6421PM020EC	PDIP-40	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	7.26	6.60	5.18	4.84
92—Z8F6421PM020SC	PDIP-40	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	6.91	6.28	4.94	4.61
92—Z8F6421VN020EC	PLCC-44	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	7.10	6.45	5.07	4.73
92—Z8F6421VN020SC	PLCC-44	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	6.76	6.14	4.83	4.51
92—Z8F6422AR020EC	LQFP-64	64K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40 to 105	7.58	6.89	5.41	5.05
92—Z8F6422AR020SC	LQFP-64	64K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	0 to 70	7.22	6.56	5.16	4.81
92—Z8F6422VS020EC	PLCC-68	64K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40 to 105	7.55	6.87	5.39	5.03
92—Z8F6422VS020SC	PLCC-68	64K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	0 to 70	7.19	6.54	5.14	4.79
92—Z8F6423FT020EC	QFP-80	64K	4K	60	24	4	4	12	Yes	2	3.0 to 3.6	-40 to 105	7.63	6.94	5.45	5.09

MZON RC BULLET REMOTE CONTROL REFERENCE DESIGN KIT

ription:

mber Family Ready to Manufacture Remote Control Reference Design Kit

imzon(tm) RC Bullet Turnkey Universal Remote Control Kits provide a ready-to-manufacture, six-member family of universal remote control platforms. Built on the ZLx16300and ZLx32300, ZiLOG's latest Z8-based IR ontrollers, the Crimzon(tm) RC Bullet kits give you everything you need to start manufacturing your branded universal remote control today. And since more design engineers choose ZiLOG IR components than any other, you know getting the sup-port and experience of the industry leader.

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me punch-through eliminates usermode-switching.
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plete schematics are included, so all you need is a board layout and design.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
692—	ZLP16300US3KIT	Non-Learning Kit, 3-Function Control: Cable/Satellite, DVD/VCR, and TV	129.00
692—	ZLP32300US6KIT	Non-Learning Kit, 6-Function Control: Cable, Satellite, DVD, VCR, Audio, and TV	129.00
692—	ZLP32300USLKIT	Learning Kit, 6-Function Control: Cable, Satellite, DVD, VCR, Audio, and TV	159.00
692—	ZLP16300EU3KIT	Non-Learning Kit, 3-Function Control: Cable/Satellite, DVD/VCR, and TV	129.00
692—	ZLP32300EU6KIT	Non-Learning Kit, 6-Function Control: Cable, Satellite, DVD, VCR, Audio, and TV	129.00
692—	ZLP32300EULKIT	Learning Kit, 6-Function Control: Cable, Satellite, DVD, VCR, Audio, and TV	159.00

MZON IR MICROCONTROLLERS

NEW FROM SUPPLIER

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	Memory Size	RAM	I/O Lines	Interrupts	Timers 8-Bit	Timers 16-Bit	Operating Voltage	Price Each 1	25	100	500
92—ZLP32300H4832C	SSOP-48	32K	237	32	6	1	1	2.0-3.6V	2.95	2.72	2.36	2.27
92—ZLP32300P4032C	PDIP-40	32K	237	32	6	1	1	2.0-3.6V	3.55	3.28	2.84	2.73
92—ZLP32300H2832C	SSOP-28	32K	237	32	6	1	1	2.0-3.6V	2.93	2.71	2.35	2.26
92—ZLP32300P2832C	PDIP-28	32K	237	32	6	1	1	2.0-3.6V	3.28	3.03	2.63	2.53
92—ZLP32300S2832C	SOIC-20	32K	237	32	6	1	1	2.0-3.6V	2.93	2.71	2.35	2.26
92—ZLP32300P2032C	PDIP-20	32K	237	16	5	1	1	2.0-3.6V	3.23	2.98	2.59	2.49
92—ZLP32300H2032C	SSOP-20	32K	237	32	6	1	1	2.0-3.6V	2.87	2.65	2.29	2.21
92—ZLP32300S2032C	SOIC-20	32K	237	16	5	1	1	2.0-3.6V	2.87	2.65	2.29	2.21

ZILOG Z8 GP Microcontrollers

Z8 GP SERIES MICROCONTROLLERS

The ZGP323H/L is OTP- and ROM-based members of ZiLOG's new Z8 GP™ MCU family of **general-purpose** microcontrollers. Offering 237 bytes of **general-purpose** RAM and up to 32KB of OTP memory, ZiLOG's Z8 GP MCU family provides support for standard, extended, and automotive temperature ranges. The low-voltage series supports voltage ranges from 2.0V to 3.6V, making it perfect for low-power applications. The high-voltage series supports voltage ranges from 2.0V to 5.5V. Both series offer fast-executing memory use, high GPIO, sophisticated interrupts, input/output bit manipulation, automated pulse generation/reception, and internal key-scan pull-up resistors.

◆ Surface Mount Device

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Zilog Part No.	Package	Memory Size (KB)	RAM (bytes)	I/O	Other Features	WDT	Operating Voltage (V)	Speed (MHz)	Price Each 1	25	100	500
◆ 692-ZGP323HSH2804C	ZGP323HSH2804C	SSOP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.65	2.43	2.07	1.98
692-ZGP323HSP2804C	ZGP323HSP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.00	2.75	2.35	2.24
◆ 692-ZGP323HSS2804C	ZGP323HSS2804C	SOIC-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.65	2.43	2.07	1.98
◆ 692-ZGP323HSH2004C	ZGP323HSH2004C	SSOP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.59	2.37	2.01	1.93
692-ZGP323HSP2004C	ZGP323HSP2004C	PDIP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.95	2.70	2.31	2.21
◆ 692-ZGP323HSS2004C	ZGP323HSS2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.59	2.37	2.01	1.93
◆ 692-ZGP323HEH2804C	ZGP323HEH2804C	SSOP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.70	2.48	2.12	2.03
692-ZGP323HEP2804C	ZGP323HEP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.05	2.80	2.40	2.29
◆ 692-ZGP323HES2804C	ZGP323HES2804C	SOIC-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.70	2.48	2.12	2.03
◆ 692-ZGP323HEH2004C	ZGP323HEH2004C	SSOP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.64	2.42	2.06	1.98
692-ZGP323HEP2004C	ZGP323HEP2004C	PDIP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.00	2.75	2.36	2.26
◆ 692-ZGP323HES2004C	ZGP323HES2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.64	2.42	2.06	1.98
◆ 692-ZGP323HAH2804C	ZGP323HAH2804C	SSOP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.75	2.53	2.17	2.08
692-ZGP323HAP2804C	ZGP323HAP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.10	2.85	2.45	2.34
◆ 692-ZGP323HAS2804C	ZGP323HAS2804C	SOIC-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.75	2.53	2.17	2.08
◆ 692-ZGP323HAH2004C	ZGP323HAH2004C	SSOP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.69	2.47	2.11	2.03
692-ZGP323HAP2004C	ZGP323HAP2004C	PDIP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.05	2.80	2.41	2.31
◆ 692-ZGP323HAS2004C	ZGP323HAS2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.69	2.47	2.11	2.03
◆ 692-ZGP323LSH2804C	ZGP323LSH2804C	SSOP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.53	2.31	1.95	1.86
692-ZGP323LSP2804C	ZGP323LSP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.88	2.63	2.23	2.12
◆ 692-ZGP323LSS2804C	ZGP323LSS2804C	SOIC-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.53	2.31	1.95	1.86
◆ 692-ZGP323LSH2004C	ZGP323LSH2004C	SSOP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.47	2.25	1.89	1.81
692-ZGP323LSP2004C	ZGP323LSP2004C	PDIP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.83	2.58	2.19	2.09
◆ 692-ZGP323LSS2004C	ZGP323LSS2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.47	2.25	1.89	1.81
◆ 692-ZGP323LEH2804C	ZGP323LEH2804C	SSOP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.58	2.36	2.00	1.91
692-ZGP323LEP2804C	ZGP323LEP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.93	2.68	2.28	2.17
◆ 692-ZGP323LES2804C	ZGP323LES2804C	SOIC-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.58	2.36	2.00	1.91
◆ 692-ZGP323LEH2004C	ZGP323LEH2004C	SSOP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.52	2.30	1.94	1.86
692-ZGP323LEP2004C	ZGP323LEP2004C	PDIP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.88	2.63	2.24	2.14
◆ 692-ZGP323LES2004C	ZGP323LES2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.52	2.30	1.94	1.86
◆ 692-ZGP323LAH2804C	ZGP323LAH2804C	SSOP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.63	2.41	2.05	1.96
692-ZGP323LAP2804C	ZGP323LAP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.98	2.73	2.33	2.22
◆ 692-ZGP323LAS2804C	ZGP323LAS2804C	SOIC-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.63	2.41	2.05	1.96
◆ 692-ZGP323LAH2004C	ZGP323LAH2004C	SSOP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.57	2.35	1.99	1.91
692-ZGP323LAP2004C	ZGP323LAP2004C	PDIP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.93	2.68	2.29	2.19
◆ 692-ZGP323LAS2004C	ZGP323LAS2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.57	2.35	1.99	1.91
◆ 692-ZGP323LSH2832C	ZGP323LSH2832C	SSOP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.68	2.46	2.10	2.01
692-ZGP323LSP2832C	ZGP323LSP2832C	PDIP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.03	2.78	2.38	2.28
◆ 692-ZGP323LSS2832C	ZGP323LSS2832C	SOIC-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.68	2.46	2.10	2.01
◆ 692-ZGP323LSH2032C	ZGP323LSH2032C	SSOP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.62	2.40	2.04	1.96
692-ZGP323LSP2032C	ZGP323LSP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.98	2.73	2.34	2.24
◆ 692-ZGP323LSS2032C	ZGP323LSS2032C	SOIC-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.62	2.40	2.04	1.96
◆ 692-ZGP323LEH2832C	ZGP323LEH2832C	SSOP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.73	2.51	2.15	2.06
692-ZGP323LEP2832C	ZGP323LEP2832C	PDIP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.08	2.83	2.43	2.33
◆ 692-ZGP323LES2832C	ZGP323LES2832C	SOIC-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.73	2.51	2.15	2.06
◆ 692-ZGP323LEH2032C	ZGP323LEH2032C	SSOP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.67	2.45	2.09	2.01
692-ZGP323LEP2032C	ZGP323LEP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.03	2.78	2.39	2.29
◆ 692-ZGP323LES2032C	ZGP323LES2032C	SOIC-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.67	2.45	2.09	2.01
◆ 692-ZGP323LAH2832C	ZGP323LAH2832C	SSOP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.78	2.56	2.20	2.11
692-ZGP323LAP2832C	ZGP323LAP2832C	PDIP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.13	2.88	2.48	2.38
◆ 692-ZGP323LAS2832C	ZGP323LAS2832C	SOIC-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.78	2.56	2.20	2.11
◆ 692-ZGP323LAH2032C	ZGP323LAH2032C	SSOP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.72	2.50	2.14	2.06
692-ZGP323LAP2032C	ZGP323LAP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.08	2.83	2.44	2.34
◆ 692-ZGP323LAS2032C	ZGP323LAS2032C	SOIC-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.72	2.50	2.14	2.06
◆ 692-ZGP323HSH2832C	ZGP323HSH2832C	SSOP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.80	2.58	2.22	2.13
692-ZGP323HSP2832C	ZGP323HSP2832C	PDIP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.15	2.90	2.50	2.40
◆ 692-ZGP323HSS2832C	ZGP323HSS2832C	SOIC-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.80	2.58	2.22	2.13
◆ 692-ZGP323HSH2032C	ZGP323HSH2032C	SSOP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.74	2.52	2.16	2.08
692-ZGP323HSP2032C	ZGP323HSP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.10	2.85	2.46	2.36
◆ 692-ZGP323HSS2032C	ZGP323HSS2032C	SOIC-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.74	2.52	2.16	2.08
◆ 692-ZGP323HEH2832C	ZGP323HEH2832C	SSOP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.85	2.63	2.27	2.18
692-ZGP323HEP2832C	ZGP323HEP2832C	PDIP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.20	2.95	2.55	2.45
◆ 692-ZGP323HES2832C	ZGP323HES2832C	SOIC-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.85	2.63	2.27	2.18
◆ 692-ZGP323HEH2032C	ZGP323HEH2032C	SSOP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.79	2.57	2.21	2.13
692-ZGP323HEP2032C	ZGP323HEP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.15	2.90	2.51	2.41
◆ 692-ZGP323HES2032C	ZGP323HES2032C	SOIC-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.79	2.57	2.21	2.13
◆ 692-ZGP323HAH2832C	ZGP323HAH2832C	SSOP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.90	2.68	2.32	2.23
692-ZGP323HAP2832C	ZGP323HAP2832C	PDIP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.25	3.00	2.60	2.50
◆ 692-ZGP323HAS2832C	ZGP323HAS2832C	SOIC-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.90	2.68	2.32	2.23
◆ 692-ZGP323HAH2032C	ZGP323HAH2032C	SSOP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.84	2.62	2.26	2.17
692-ZGP323HAP2032C	ZGP323HAP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.20	2.95	2.56	2.46
◆ 692-ZGP323HAS2032C	ZGP323HAS2032C	SOIC-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.84	2.62	2.26	2.17

DEVELOPMENT TOOLS

MOUSER STOCK NO.	Zilog Part No.	Description	Price Each
692-ZGP32300100ZPR	ZGP32300100ZPR	Z8 GP ZGP323 Programming System (Includes an OTP prog. module, prog. I/F, 2 pkg adapters, the ZDS II, a 28-pin CDIP device, and sample code)	199.00
692-ZGP323ICE01ZEM	ZGP323ICE01ZEM	Z8 GP ZGP323 In-Circuit Emulator and Development Platform	2499.00

ZILOG Encore!™ XP Microcontrollers

LOG Z8 ENCORE!™ XP FLASH MCU DEVELOPMENT KIT

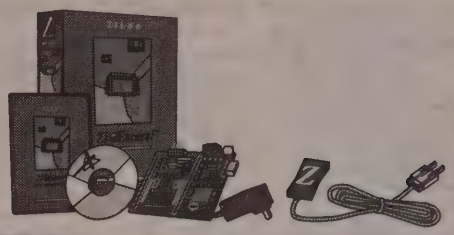
Z8 Encore! XP Microcontroller (MCU) Development Kit is a general-purpose platform that allows design engineers to uate the capabilities and operation of the Z8 Encore! XP family of microcontrollers and provides tools to shorten the lopment cycle. Included with the Development Kit is a free full-version ANSI C-Compiler and a Target Interface ule board that interfaces with the on-chip debugger converting a one-wire interface to a two-wire RS-232-like face. All necessary hardware, software tools, and technical documentation are included, to provide a complete ion at minimal cost.

tures:

ware:
- Development Board, Z8 Encore! XP (Z8F04A28100KIT)
- Smart Cable - DB9 to six-pin male
- RS-232 DB9 Serial Cable
- 9VDC Universal Power Supply

ware:
- ZDS II - Z8 Encore! IDE with ANSI C-Compiler
- Sample code
- Device Driver software

CD-ROM contains:
- ZDS II Quick Start Guide
- Development Kit User Manual
- ZDS II - IDE User Manual
- EZ8 CPU User Manual
- Product Specifications
- Product Briefs
- Application Notes



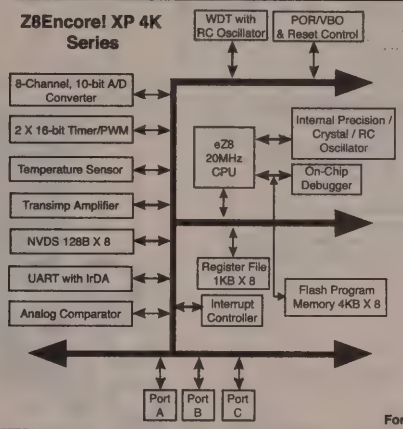
MOUSER STOCK NO.	Description	Price Each
692-Z8F04A28100KIT	4K Series (28-Pin) w/Full ANSIC Compiler	39.95
692-Z8F04A08100KIT	4K Series (8-Pin) w/Full USB Smart Cable	49.99

LOG Z8 ENCORE!™ XP MICROCONTROLLERS

cifications:

ch Z8 Encore! Microcontroller contains the following:
atchdog Timers, Analog Comparator, Temp. Sensor, Current Sense Amplifier,
d Internal Precision Oscillator
ore Speed: 20MHz

Features:	Benefits
MHz CPU Operation	Faster execution of CPU instructions at up to 10 MIPS
gle pin in-circuit programming	Fast, easy programming
- 4K Flash memory sizes	Allows efficiency in program memory
o 8 channel 10-bit ADC	Precision analog measurement
o 128B non-volatile data storage	Location for frequent or repetitive logging
o 1K RAM	Plenty of space for programs, stacks, and data
rnal Precision Oscillator	Eliminates need for crystal or resonator
chip Temperature Sensor	Thermostat applications with no external components
log Comparator	On-chip saving space
simpedence Amplifier	On-chip OPAMP
T with "fail-safe"	Back up oscillator for power fail



♦ Surface Mount Device

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	Flash Bytes	RAM Bytes	NVDS Bytes	I/O Lines	Interrupts	16-bit Timers with PWM's	10-bit A/D Channels	UARTs	Voltage (V)	Temperature Range	Price Each 1	25	100	500
692—Z8F012ASJ020SC	SOIC-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	0 to 70	2.19	1.99	1.56	1.46
692—Z8F012ASJ020EC	SOIC-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	-40 to 105	2.30	2.09	1.64	1.53
692—Z8F011ASJ020SC	SOIC-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.09	1.90	1.49	1.39
692—Z8F011ASJ020EC	SOIC-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	-40 to 105	2.19	1.99	1.57	1.46
692—Z8F012AHJ020SC	SSOP-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	0 to 70	2.19	1.99	1.56	1.46
692—Z8F012AHJ020EC	SSOP-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	-40 to 105	2.30	2.09	1.64	1.53
692—Z8F011AHJ020SC	SSOP-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.09	1.90	1.49	1.39
692—Z8F011AHJ020EC	SSOP-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	-40 to 105	2.19	1.99	1.57	1.46
692—Z8F012APJ020SC	PDIP-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	0 to 70	2.49	2.26	1.78	1.66
692—Z8F012APJ020EC	PDIP-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	-40 to 105	2.61	2.38	1.87	1.74
692—Z8F011APJ020SC	PDIP-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.39	2.17	1.71	1.59
692—Z8F011APJ020EC	PDIP-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	-40 to 105	2.51	2.28	1.79	1.67
692—Z8F012ASH020SC	SOIC-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.12	1.93	1.51	1.41
692—Z8F012ASH020EC	SOIC-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	-40 to 105	2.23	2.02	1.59	1.48
692—Z8F011ASH020SC	SOIC-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.02	1.84	1.44	1.35
692—Z8F011ASH020EC	SOIC-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.12	1.93	1.51	1.41
692—Z8F012AHH020SC	SSOP-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.12	1.93	1.51	1.41
692—Z8F012AHH020EC	SSOP-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	-40 to 105	2.23	2.02	1.59	1.48
692—Z8F011AHH020SC	SSOP-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.02	1.84	1.44	1.35
692—Z8F011AHH020EC	SSOP-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.12	1.93	1.51	1.41
692—Z8F012APH020SC	PDIP-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.35	2.14	1.68	1.57
692—Z8F012APH020EC	PDIP-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	-40 to 105	2.47	2.24	1.76	1.65
692—Z8F011APH020SC	PDIP-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.25	2.05	1.61	1.50
692—Z8F011APH020EC	PDIP-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.36	2.15	1.69	1.57
692—Z8F012ASB020SC	SOIC-8	1K	256	16	6	12	2	4	1	2.7 to 3.6V	0 to 70	1.80	1.65	1.52	1.39
692—Z8F022ASJ020SC	SOIC-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	0 to 70	2.30	2.09	1.65	1.54
692—Z8F022ASJ020EC	SOIC-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	-40 to 105	2.42	2.20	1.73	1.61
692—Z8F021ASJ020SC	SOIC-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.20	2.00	1.57	1.47
692—Z8F021ASJ020EC	SOIC-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	-40 to 105	2.31	2.10	1.65	1.54
692—Z8F022AHJ020SC	SSOP-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	0 to 70	2.30	2.09	1.65	1.54
692—Z8F022AHJ020EC	SSOP-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	-40 to 105	2.42	2.20	1.73	1.61
692—Z8F021AHJ020SC	SSOP-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.20	2.00	1.57	1.47
692—Z8F021AHJ020EC	SSOP-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	-40 to 105	2.31	2.10	1.65	1.54
692—Z8F022APJ020SC	PDIP-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	0 to 70	2.62	2.38	1.87	1.75
692—Z8F022APJ020EC	PDIP-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	-40 to 105	2.75	2.50	1.97	1.83
692—Z8F021APJ020SC	PDIP-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.51	2.29	1.80	1.68
692—Z8F021APJ020EC	PDIP-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	-40 to 105	2.64	2.40	1.89	1.76
692—Z8F022ASH020SC	SOIC-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.23	2.03	1.59	1.49
692—Z8F022ASH020EC	SOIC-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	-40 to 105	2.34	2.13	1.67	1.56
692—Z8F021ASH020SC	SOIC-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.13	1.93	1.52	1.42
692—Z8F021ASH020EC	SOIC-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.23	2.03	1.59	1.49
692—Z8F022AHH020SC	SSOP-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.23	2.03	1.59	1.49
692—Z8F022AHH020EC	SSOP-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	-40 to 105	2.34	2.13	1.67	1.56
692—Z8F021AHH020SC	SSOP-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.13	1.93	1.52	1.42
692—Z8F021AHH020EC	SSOP-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.23	2.03	1.59	1.49
692—Z8F022APH020SC	PDIP-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.47	2.25	1.77	1.65
692—Z8F022APH020EC	PDIP-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	-40 to 105	2.60	2.36	1.86	1.73
692—Z8F021APH020SC	PDIP-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.37	2.15	1.69	1.58
692—Z8F021APH020EC	PDIP-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.49	2.26	1.78	1.66
692—Z8F022ASB020SC	SOIC-8	2K	512	64	6	12	2	4	1	2.7 to 3.6V	0 to 70	2.10	1.92	1.77	1.61
692—Z8F042ASJ020SC	SOIC-28	4K	1K	128	23	18	2	8	1	2.7 to 3.6V	0 to 70	2.43	2.21	1.73	1.62
692—Z8F042ASJ020EC	SOIC-28	4K	1K	128	23	18	2	8	1	2.7 to 3.6V	-40 to 105	2.55	2.32	1.82	1.70
692—Z8F041ASJ020SC	SOIC-28	4K	1K	128	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.31	2.10	1.65	1.54
692—Z8F042ASB020SC	SOIC-8	4K	1K	128	6	12	2	4	1	2.7 to 3.6V	0 to 70	2.40	2.20	2.02	1.84

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ZILOG Z8 ENCORE!™ XP MICROCONTROLLERS (CONT.)

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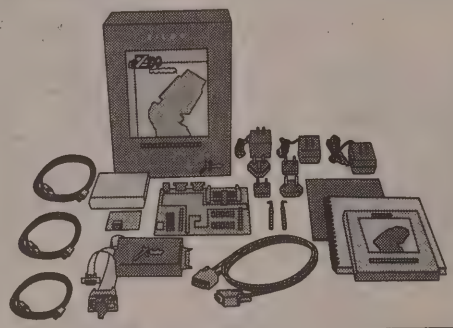
MOUSER STOCK NO.		Package	Flash Bytes	RAM Bytes	NVDS Bytes	I/O Lines	Interrupts	16-bit Timers with PWM's	10-bit A/D Channels	UARTs	Voltage (V)	Temperature Range	Price Each			
Mfr.	Mfr. Part Number												1	25	100	500
♦	692—Z8F041ASJ020EC	SOIC-28	4K	1K	128	25	18	2	-	1	2.7 to 3.6V	-40 to 105	2.43	2.21	1.74	1.62
♦	692—Z8F042AHJ020SC	SSOP-28	4K	1K	128	23	18	2	8	1	2.7 to 3.6V	0 to 70	2.43	2.21	1.73	1.62
♦	692—Z8F042AHJ020EC	SSOP-28	4K	1K	128	23	18	2	8	1	2.7 to 3.6V	-40 to 105	2.55	2.32	1.82	1.70
♦	692—Z8F042AHJ020EC	SSOP-28	4K	1K	128	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.31	2.10	1.65	1.54
♦	692—Z8F041AHJ020SC	SSOP-28	4K	1K	128	25	18	2	-	1	2.7 to 3.6V	-40 to 105	2.43	2.21	1.74	1.62
♦	692—Z8F041AHJ020EC	SSOP-28	4K	1K	128	25	18	2	8	1	2.7 to 3.6V	0 to 70	2.76	2.51	1.97	1.84
	692—Z8F042APJ020SC	PDIP-28	4K	1K	128	23	18	2	8	1	2.7 to 3.6V	-40 to 105	2.90	2.63	2.07	1.93
	692—Z8F042APJ020EC	PDIP-28	4K	1K	128	23	18	2	-	1	2.7 to 3.6V	0 to 70	2.65	2.41	1.89	1.76
	692—Z8F041APJ020SC	PDIP-28	4K	1K	128	25	18	2	-	1	2.7 to 3.6V	-40 to 105	2.78	2.53	1.98	1.85
	692—Z8F041APJ020EC	PDIP-28	4K	1K	128	25	18	2	7	1	2.7 to 3.6V	0 to 70	2.35	2.14	1.68	1.57
♦	692—Z8F042ASH020SC	SOIC-20	4K	1K	128	17	18	2	7	1	2.7 to 3.6V	-40 to 105	2.47	2.24	1.76	1.64
♦	692—Z8F042ASH020EC	SOIC-20	4K	1K	128	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.24	2.03	1.60	1.49
♦	692—Z8F041ASH020SC	SOIC-20	4K	1K	128	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.35	2.14	1.68	1.57
♦	692—Z8F041ASH020EC	SOIC-20	4K	1K	128	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.35	2.14	1.68	1.57
♦	692—Z8F042AHH020SC	SSOP-20	4K	1K	128	17	18	2	7	1	2.7 to 3.6V	-40 to 105	2.47	2.24	1.76	1.64
♦	692—Z8F042AHH020EC	SSOP-20	4K	1K	128	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.24	2.03	1.60	1.49
♦	692—Z8F041AHH020SC	SSOP-20	4K	1K	128	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.35	2.14	1.68	1.57
♦	692—Z8F041AHH020EC	SSOP-20	4K	1K	128	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.60	2.37	1.86	1.74
	692—Z8F042APH020SC	PDIP-20	4K	1K	128	17	18	2	7	1	2.7 to 3.6V	-40 to 105	2.73	2.49	1.95	1.82
	692—Z8F042APH020EC	PDIP-20	4K	1K	128	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.49	2.27	1.78	1.66
	692—Z8F041APH020SC	PDIP-20	4K	1K	128	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.62	2.38	1.87	1.74
	692—Z8F041APH020EC	PDIP-20	4K	1K	128	17	18	2								

ZILOG EZ80L92 DEVELOPMENT KIT

The EZ80L92 Development Kit provides the developer with a complete set of tools for either the evaluation of the EZ80L92 device or the development of a new application. The kit features two primary boards: the EZ80(tm) Development Platform and the EZ80L92 Ethernet Module. In addition, all of the necessary hardware, software, and technical documentation are included. This development kit provides designers comprehensive support to begin designing immediately. The eZ80Acclaim! eZ80F92/F93 are pin-compatible versions of the eZ80L92 with integrated Flash memory.

Features:

- EZ80 Development Platform
- EZ80 E-NET Module
- EZ80 Development Kit User Manual
- EZ80 Quick Start Guide
- ZPAK II Debug Interface Module
- ZDS II with C-Compiler Software and Documentation (CD-ROM)
- Ethernet Hub
- EZ80 Software and Documentation (CD-ROM)
- International Power Supply (110/220V) Cables



Block Diagram

eZ80L92 MPU			
24-Bit GPIO	Infrared Encoder/ Decoder	2 UART	
I^2C	SPI	6 PRT	WDT
Real-Time Clock	4 CS + WSG	JTAG	ZDI

MOUSER STOCK NO.	Zilog Part No.	Price Each
692-EZ80L920210ZCO	EZ80L920210ZCO	399.9

ZILOG EZ80 MICROPROCESSORS

♦ Surface Mount Device

* See below for development tools.

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Zilog Part No.	Package	Communications Controller	Core CPU Used	I/O	WTD	Timers	Voltage (V)	Speed (MHz)	Development Tools Available	Price Each			
											1	25	100	500
♦ 692-EZ80L92AZ020EC	EZ80L92AZ020EC	LQFP-100	DMA, I²C, SPI, UART	EZ80	24	Yes	6	3.3	20	---	10.05	9.22	7.90	7.3
♦ 692-EZ80L92AZ020SC	EZ80L92AZ020SC	LQFP-100	DMA, I²C, SPI, UART	EZ80	24	Yes	6	3.3	20	---	8.75	8.02	6.87	6.4
692-EZ80L925048MOD	EZ80L925048MOD	Module	DMA, I²C, SPI, UART	EZ80	24	Yes	6	3.3	48	---	57.38	54.64	51.00	48.8
♦ 692-EZ80L92AZ050EC	EZ80L92AZ050EC	LQFP-100	DMA, I²C, SPI, UART	EZ80	24	Yes	6	3.3	50	---	11.05	10.13	8.69	8.1
♦ 692-EZ80L92AZ050SC	EZ80L92AZ050SC	LQFP-100	DMA, I²C, SPI, UART	EZ80	24	Yes	6	3.3	50	---	9.62	8.82	7.56	7.0
♦ 692-EZ80190AZ050SC	EZ80190AZ050SC	LQFP-100	DMA, I²C, SPI, UART	EZ80	32	Yes	6	3.3V	50	A	14.32	13.02	11.02	10.2
♦ 692-EZ80190AZ050EC	EZ80190AZ050EC	LQFP-100	DMA, I²C, SPI, UART	EZ80	32	Yes	6	3.3V	50	A	16.47	14.97	12.67	11.7

ZILOG MICROPROCESSOR DEVELOPMENT TOOLS

Key	MOUSER STOCK NO.	Zilog Part No.	Description	Price Each
A	692-EZ801900200ZCO	EZ801900200ZCO	eZ80 Development Kit	399.95
B	692-Z8S18000ZCO	Z8S18000ZCO	Z8S180 + ESCC Application Kit	200.00

Key	MOUSER STOCK NO.	Zilog Part No.	Description	Price Each
D	692-Z8S18000ZEM	Z8S18000ZEM	Z8S180 Emulation Kit	180.0

ZILOG Z180 MICROPROCESSORS

♦ Surface Mount Device

* See above for development tools.

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Zilog Part No.	Package	Speed (MHz)	Communications Controller	Core CPU Used	I / O	WTD	Timers	Voltage (V)	Develop. Tools Available	Price Each			
											1	25	100	50
♦ 692-Z8018006VSC	Z8018006VSC	PLCC-68	6	CPU	Z180	-	No	2	5	B	6.74	6.12	5.18	4.8
♦ 692-Z8018006VEC	Z8018006VEC	PLCC-68	6	CPU	Z180	-	No	2	5	B	8.02	7.29	6.17	5.7
♦ 692-Z8018006FSC	Z8018006FSC	QFP-80	6	CPU	Z180	-	No	2	5	B	7.12	6.47	5.47	5.0
692-Z8018006PSC	Z8018006PSC	DIP-64	6	CPU	Z180	-	No	2	5	B	6.74	6.12	5.18	4.8
692-Z8018006PEC	Z8018006PEC	DIP-64	6	CPU	Z180	-	No	2	5	B	8.02	7.29	6.17	5.7
692-Z8018008PEC	Z8018008PEC	DIP-64	8	CPU	Z180	-	No	2	5	B	8.51	7.73	6.54	6.0
♦ 692-Z8018008FSC	Z8018008FSC	QFP-80	8	CPU	Z180	-	No	2	5	B	7.54	6.85	5.80	5.3
♦ 692-Z8018008VEC	Z8018008VEC	PLCC-68	8	CPU	Z180	-	No	2	5	B	9.71	8.82	7.47	6.8
692-Z8018008PSC	Z8018008PSC	DIP-64	8	CPU	Z180	-	No	2	5	B	7.01	6.37	5.39	5.0
♦ 692-Z8018008VSC	Z8018008VSC	PLCC-68	8	CPU	Z180	-	No	2	5	B	7.01	6.37	5.39	5.0
♦ 692-Z8018010VSC	Z8018010VSC	PLCC-68	10	CPU	Z180	-	No	2	5	B	8.19	7.44	6.30	5.7
♦ 692-Z8018010FSC	Z8018010FSC	QFP-80	10	CPU	Z180	-	No	2	5	B	8.51	7.73	6.54	6.0
♦ 692-Z8018010VEC	Z8018010VEC	PLCC-68	10	CPU	Z180	-	No	2	5	B	9.96	9.05	7.66	7.0
692-Z8018010PSC	Z8018010PSC	DIP-64	10	CPU	Z180	-	No	2	5	B	8.19	7.44	6.30	5.7
692-Z8018010PEC	Z8018010PEC	DIP-64	10	CPU	Z180	-	No	2	5	B	9.96	9.05	7.66	7.0
♦ 692-Z8018110FEC	Z8018110FEC	QFP-100	10	CPU	Z180	16	No	1	4.5-5.5	C	17.39	15.81	13.38	12.3
♦ 692-Z8S18010FSC	Z8S18010FSC	QFP-80	10	CSIO, UART	Z180	Clock Serial	No	2	5	B,D	7.12	6.47	5.47	5.0
692-Z8S18010PEC	Z8S18010PEC	DIP-64	10	CSIO, UART	Z180	Clock Serial	No	2	5	B,D	8.02	7.29	6.17	5.7
♦ 692-Z8S18010VEC	Z8S18010VEC	PLCC-68	10	CSIO, UART	Z180	Clock Serial	No	2	5	B,D	8.02	7.29	6.17	5.7
♦ 692-Z8S18010VSC	Z8S18010VSC	PLCC-68	10	CSIO, UART	Z180	Clock Serial	No	2	5	B,D	6.74	6.12	5.18	4.8
692-Z8S18010PSC	Z8S18010PSC	DIP-64	10	CSIO, UART	Z180	Clock Serial	No	2	5	B,D	6.74	6.12	5.18	4.8
692-Z8L18020PSC	Z8L18020PSC	DIP-64	20	CSIO, UART	Z180	Clock Serial	No	2	3.3	B	10.42	9.47	8.02	7.5
♦ 692-Z8L18020FSC	Z8L18020FSC	QFP-80	20	CSIO, UART	Z180	Clock Serial	No	2	3.3	B	10.42	9.47	8.02	7.5
♦ 692-Z8L18020VSC	Z8L18020VSC	PLCC-68	20	CSIO, UART	Z180	Clock Serial	No	2	3.3	B	10.42	9.47	8.02	7.5
♦ 692-Z8S18020FSC	Z8S18020FSC	QFP-80	20	CSIO, UART	Z180	Clock Serial	No	2	5	B,D	9.37	8.52	7.21	6.8
♦ 692-Z8S18020FEC	Z8S18020FEC	QFP-80	20	CSIO, UART	Z180	Clock Serial	No	2	5	B,D	11.35	10.32	8.73	8.2
♦ 692-Z8S18020FSC1960	Z8S18020FSC1960	QFP-80	20	CSIO, UART	Z180	Clock Serial	No	2	5	B,D	9.37	8.52	7.21	6.8

ILOG Z180 MICROPROCESSORS (CONT.)

♦ Surface Mount Device

* See below for development tools. For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Speed (MHz)	Communications Controller	Core CPU Used	I/O	WDT	Timers	Voltage (V)	Development Tools Available	Price Each 1	25	100	500
692—	Z8S18020FEC1960	QFP-80	20	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	11.35	10.32	8.73	8.11
692—	Z8S18020VEC	PLCC-68	20	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	11.35	10.32	8.73	8.11
692—	Z8S18020VSC1960	PLCC-68	20	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	9.37	8.52	7.21	6.69
692—	Z8S18020PSC1960	DIP-64	20	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	9.37	8.52	7.21	6.69
692—	Z8S18020VEC1960	PLCC-68	20	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	11.35	10.32	8.73	8.11
692—	Z8S18020PSC	DIP-64	20	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	9.37	8.52	7.21	6.69
692—	Z8S18020VSC	PLCC-68	20	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	9.37	8.52	7.21	6.69
692—	Z8S18033FEC	QFP-80	33	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	12.44	11.31	9.57	8.89
692—	Z8S18033VSC	PLCC-68	33	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	10.34	9.40	7.95	7.38
692—	Z8S18033VEC	PLCC-68	33	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	12.44	11.31	9.57	8.89
692—	Z8S18033FSC	QFP-80	33	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	10.34	9.40	7.95	7.38

LOG Z80 MICROPROCESSORS

♦ Surface Mount Device

* See below for development tools. For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Communications Controller	Core CPU Used	I/O	WDT	Timers	Voltage (V)	Speed (MHz)	Development Tools Available	Price Each 1	25	100	500
692—	Z8401506FEC	QFP-100	IPC	Z80	16 PIO	Yes	4	5	6	-	10.46	9.51	8.05	7.47
692—	Z84C0006PEC	DIP-40	CPU	Z80	-	Yes	No	5	6	-	3.58	3.25	2.75	2.56
692—	Z84C0006FEC	QFP-44	CPU	Z80	-	Yes	No	5	6	-	3.58	3.25	2.75	2.56
692—	Z84C0006VEC	PLCC-44	CPU	Z80	-	Yes	No	5	6	-	3.58	3.25	2.75	2.56
692—	Z84C1506FEC	QFP-100	CPU, CTC, IPC, PIO, SIO	Z80	16 PIO	Yes	4	5	6	D	10.78	9.80	8.29	7.70
692—	Z84C2006PEC	DIP-40	PIO	Z80	16	Yes	No	5	6	-	3.58	3.25	2.75	2.56
692—	Z84C2006FEC	QFP-44	PIO	Z80	16	Yes	No	5	6	-	3.58	3.25	2.75	2.56
692—	Z84C2008VEC	PLCC-44	PIO	Z80	16	Yes	No	5	6	-	3.58	3.25	2.75	2.56
692—	Z84C3006VEC	PLCC-44	CTC	Z80	-	Yes	4	5	6	-	3.58	3.25	2.75	2.56
692—	Z84C3006PEC	DIP-28	CTC	Z80	-	Yes	4	5	6	-	3.58	3.25	2.75	2.56
692—	Z84C3006FEC	QFP-44	CTC	Z80	-	Yes	4	5	6	-	3.58	3.25	2.75	2.56
692—	Z84C4006PEC	DIP-40	SIO	Z80	-	Yes	No	5	6	-	7.96	7.23	6.12	5.68
692—	Z84C4106PEC	DIP-40	SIO	Z80	-	Yes	No	5	6	-	7.96	7.23	6.12	5.68
692—	Z84C4310FEC	QFP-44	SIO	Z80	-	Yes	No	5	6	-	7.96	7.23	6.12	5.68
692—	Z84C4306FEC	QFP-44	SIO	Z80	-	Yes	No	5	6	-	7.96	7.23	6.12	5.68
692—	Z84C0008FEC	QFP-44	CPU	Z80	-	Yes	No	5	8	-	3.58	3.25	2.75	2.56
692—	Z84C0008PEC	DIP-40	CPU	Z80	-	Yes	No	5	8	-	3.58	3.25	2.75	2.56
692—	Z84C0008VEC	PLCC-44	CPU	Z80	-	Yes	No	5	8	-	3.58	3.25	2.75	2.56
692—	Z84C1008PEC	DIP-40	DMA	Z80	16	Yes	No	5	8	-	8.23	7.48	6.33	5.88
692—	Z84C1008VEC	PLCC-44	DMA	Z80	16	Yes	No	5	8	-	8.23	7.48	6.33	5.88
692—	Z84C2008PEC	DIP-40	PIO	Z80	16	Yes	No	5	8	-	3.58	3.25	2.75	2.56
692—	Z84C2008VEC	PLCC-44	PIO	Z80	16	Yes	No	5	8	-	3.58	3.25	2.75	2.56
692—	Z84C3008VEC	PLCC-44	CTC	Z80	-	Yes	4	5	8	-	3.58	3.25	2.75	2.56
692—	Z84C3008PEC	DIP-28	CTC	Z80	-	Yes	4	5	8	-	3.58	3.25	2.75	2.56
692—	Z84C4008PEC	DIP-40	SIO	Z80	-	Yes	No	5	8	-	7.96	7.23	6.12	5.68
692—	Z84C4108PEC	DIP-40	SIO	Z80	-	Yes	No	5	8	-	7.96	7.23	6.12	5.68
692—	Z84C4208PEC	DIP-40	SIO	Z80	-	Yes	No	5	8	-	7.96	7.23	6.12	5.68
692—	Z84C4406VEC	PLCC-44	SIO	Z80	-	Yes	No	5	8	-	7.96	7.23	6.12	5.68
692—	Z84C4410VEC	PLCC-44	SIO	Z80	-	Yes	No	5	8	-	7.96	7.23	6.12	5.68
692—	Z84C4408VEC	PLCC-44	SIO	Z80	-	Yes	No	5	8	-	7.96	7.23	6.12	5.68
692—	Z84C9008VSC	PLCC-84	KIO	Z80	+8 PIA, PIO	No	No	5	8	-	10.00	9.09	7.69	7.14
692—	Z84C9008ASC	VQFP-100	KIO	Z80	+8 PIA, PIO	No	No	5	8	-	10.00	9.09	7.69	7.14
692—	Z84C9008VEC	PLCC-84	KIO	Z80	+8 PIA, PIO	No	No	5	8	-	12.00	10.91	9.23	8.57
692—	Z8401510FEC	QFP-100	IPC	Z80	16 PIO	Yes	4	5	10	-	12.93	11.75	9.94	9.23
692—	Z84C0010FEC	QFP-44	CPU	Z80	-	Yes	No	5	10	-	3.58	3.25	2.75	2.56
692—	Z84C0010PEC	DIP-40	CPU	Z80	-	Yes	No	5	10	-	3.58	3.25	2.75	2.56
692—	Z84C0010VEC	PLCC-44	CPU	Z80	-	Yes	No	5	10	-	3.58	3.25	2.75	2.56
692—	Z84C1510FEC	QFP-100	IPC	Z80	16 PIO	Yes	4	5	10	D	10.78	9.80	8.29	7.70
692—	Z84C1510AEC	VQFP-100	IPC	Z80	16 PIO	Yes	4	5	10	D	10.78	9.80	8.29	7.70
692—	Z84C2010PEC	DIP-40	PIO	Z80	16	Yes	No	5	10	-	3.58	3.25	2.75	2.56
692—	Z84C2010FEC	QFP-44	PIO	Z80	16	Yes	No	5	10	-	3.58	3.25	2.75	2.56
692—	Z84C2010VEC	PLCC-44	PIO	Z80	16	Yes	No	5	10	-	3.58	3.25	2.75	2.56
692—	Z84C3010FEC	QFP-44	CTC	Z80	-	Yes	4	5	10	-	3.58	3.25	2.75	2.56
692—	Z84C3010PEC	DIP-28	CTC	Z80	-	Yes	4	5	10	-	3.58	3.25	2.75	2.56
692—	Z84C3010VEC	PLCC-44	CTC	Z80	-	Yes	4	5	10	-	3.58	3.25	2.75	2.56
692—	Z84C4010PEC	DIP-40	SIO	Z80	-	Yes	No	5	10	-	7.96	7.23	6.12	5.68
692—	Z84C4110PEC	DIP-40	SIO	Z80	-	Yes	No	5	10	-	7.96	7.23	6.12	5.68
692—	Z84C4210PEC	DIP-40	SIO	Z80	-	Yes	No	5	10	-	7.96	7.23	6.12	5.68
692—	Z84C9010VSC	PLCC-84	KIO	Z80	+8 PIA, PIO	No	No	5	10	-	11.01	10.01	8.47	7.86
692—	Z84C9010VEC	PLCC-84	KIO	Z80	+8 PIA, PIO	No	No	5	10	-	13.98	12.71	10.75	9.98
692—	Z84C9012VSC	PLCC-84	KIO	Z80	+8 PIA, PIO	No	No	5	12	-	11.41	10.37	8.78	8.15
692—	Z84C1516ASC	VQFP-100	IPC	Z80	16 PIO	Yes	4	5	16	D	14.29	13.00	11.00	10.21
692—	Z84C1516FSC	QFP-100	IPC	Z80	16 PIO	Yes	4	5	16	D	14.02	12.75	10.79	10.02
692—	Z84C0020PEC	DIP-40	CPU	Z80	-	Yes	No	5	20	-	8.86	8.06	6.82	6.33
692—	Z84C0020VEC	PLCC-44	CPU	Z80	-	Yes	No	5	20	-	8.86	8.06	6.82	6.33
692—	Z84C0020FEC	QFP-44	CPU	Z80	-	Yes	No	5	20	-	8.86	8.06	6.82	6.33

OG DEVELOPMENT KITS

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Description	Price Each
692—	Z8S18000ZCO	Z8S180 + ESCC Application Kit	200.00
692—	Z8018100ZCO	Z80181 Evaluation Kit	160.00

Key	MOUSER STOCK NO. Mfr.	Mfr. Part Number	Description	Price Each
C	692—	Z8S18000ZEM	Z8S180 Emulation Kit	180.00
D	692—	Z84C1500ZCO	Z84C1500ZCO Development Kit	275.00

ZILOG Z8 OTP Microcontrollers

ZILOG

The 8-Bit One-Time Programmable (OTP) Microcontrollers are members of ZiLOG's single-chip Z8 MCU family featuring enhanced wake-up circuitry, programmable Watch-Dog Timers, Low-Noise EMI options, and easy hardware/software system expansion capability.

♦ Surface Mount Device

* See below for development tools.

For quantities of 1000 and up, call for quote

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	ROM (KB)	RAM (Bytes)	I/O	Interrupts	On Chip Special Features	On Chip Analog Features	WDT	Timers	Comm Int.	Volts (V)	Operating Speed (MHz)	Development Tool Available Key	Price Each 1	25	100	500
692	Z8673312PSC	PDIP-28	0.5	61	24	6	POR	2 comp	Yes	2	- - -	3.5-5.5	12	A,B,C,D,E,F,G	5.40	4.98	4.63	4.32
♦ 692	Z8674312VSC	PLCC-44	0.5	61	32	6	POR	2 comp	Yes	2	- - -	3.5-5.5	12	A,B,G,I,J,K	6.27	5.78	5.37	5.01
692	Z8674312PSC	PDIP-40	0.5	61	32	6	POR	2 comp	Yes	2	- - -	3.5-5.5	12	A,B,G,I,J,K	6.27	5.78	5.37	5.01
♦ 692	Z8674312FSC	QFP-44	0.5	61	32	6	POR	2 comp	Yes	2	- - -	3.5-5.5	12	A,B,G,I,J,K	6.50	6.00	5.57	5.20
♦ 692	Z86E0208SEC1925	SOIC-18	1	125	14	5	POR, LV Protect	2 comp	Yes	1	- - -	4.5-5.5	8	B,L,M,N	1.54	1.30	1.14	1.12
♦ 692	Z86E0208HEC1925	SSOP-20	1	125	14	5	POR, LV Protect	2 comp	Yes	1	- - -	4.5-5.5	8	B,L,M,N	1.66	1.41	1.24	1.21
692	Z86E0208PEC1925	PDIP-18	1	125	14	5	POR, LV Protect	2 comp	Yes	1	- - -	4.5-5.5	8	B,L,M,N	1.54	1.30	1.14	1.12
♦ 692	Z86E0208HSC1925	SSOP-20	1	125	14	5	POR, LV Protect	2 comp	Yes	1	- - -	4.5-5.5	8	B,L,M,N	1.51	1.27	1.12	1.10
♦ 692	Z86E0208SSC1925	SOIC-18	1	125	14	5	POR, LV Protect	2 comp	Yes	1	- - -	4.5-5.5	8	B,L,M,N	1.40	1.18	1.04	1.02
♦ 692	Z86E0308SSC	SOIC-18	1	125	14	6	POR	2 comp	Yes	1	- - -	4.5-5.5	8	A,B,O	3.47	3.02	2.69	2.64
692	Z86E0308PSC	PDIP-18	1	125	14	6	POR	2 comp	Yes	1	- - -	4.5-5.5	8	A,B,O	3.47	3.02	2.69	2.64
♦ 692	Z86E0412HSC1903	SSOP-20	1	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.15	1.92	1.67	1.63
♦ 692	Z86E0412HEC1903	SSOP-20	1	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.37	2.12	1.84	1.80
♦ 692	Z86E0412SSC1903	SOIC-18	1	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.03	1.81	1.57	1.54
692	Z86E0412PEC1903	PDIP-18	1	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.23	1.99	1.73	1.70
♦ 692	Z86E0412HEC1866	SSOP-20	1	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.37	2.12	1.84	1.80
♦ 692	Z86E0412HSC1866	SSOP-20	1	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.15	1.92	1.67	1.63
♦ 692	Z86E0412SSC1866	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.03	1.81	1.57	1.54
692	Z86E0412PEC	PDIP-18	2	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.23	1.99	1.73	1.70
♦ 692	Z86E0412SEC1903	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.23	1.99	1.73	1.70
♦ 692	Z86E0412SEC	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.23	1.99	1.73	1.70
♦ 692	Z86E0612SSC	SOIC-18	2	125	14	6	POR	2 comp	Yes	1	SPI	4.5-5.5	12	A,O,P	3.66	3.27	2.84	2.78
692	Z86E0612PSC	PDIP-18	2	125	14	6	POR	2 comp	Yes	1	SPI	4.5-5.5	12	A,O,P	3.66	3.27	2.84	2.78
♦ 692	Z86E0812HSC1903	SSOP-20	2	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.59	2.32	2.01	1.97
♦ 692	Z86E0812SSC1903	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.49	2.22	1.93	1.89
♦ 692	Z86E0812HEC1866	SSOP-20	2	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.87	2.56	2.23	2.18
♦ 692	Z86E0812SEC1903	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.73	2.44	2.12	2.06
692	Z86E0812PSC1866	PDIP-18	2	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.49	2.22	1.93	1.89
♦ 692	Z86E0812HSC1866	SSOP-20	2	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.59	2.32	2.01	1.97
♦ 692	Z86E0812SSC1866	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.49	2.22	1.93	1.89
♦ 692	Z86E0812SEC	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.73	2.44	2.12	2.06
♦ 692	Z86E0812HEC1903	SSOP-20	2	125	14	6	POR	2 comp	Yes	2	- - -	4.5-5.5	12	B,L,M,N	2.87	2.56	2.23	2.18
692	Z86E0812PEC1903	PDIP - 18	4	188	14	6	POR	2 comp	Yes	2	- - -	4.5 - 5.5	12	B,L,M,N	2.73	2.44	2.12	2.06
692	Z86E3016PSC	PDIP - 28	4	236	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	B,E,F	4.41	3.94	3.43	3.36
♦ 692	Z86E3016SSC	SOIC - 28	4	236	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	B,E,F	4.41	3.94	3.43	3.36
692	Z86E3016PEC	PDIP - 28	4	236	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	B,E,F	4.86	4.34	3.77	3.70
692	Z86E3016VEC	PLCC - 28	4	236	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	B,E,F	4.86	4.34	3.77	3.70
♦ 692	Z86E3116SSC	SOIC - 28	4	236	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	B,E,F	3.22	3.22	3.22	3.10
♦ 692	Z86E3116VSC	PLCC - 28	4	236	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	B,E,F	3.22	3.22	3.22	3.10
692	Z86E3116PSC	PDIP - 28	4	236	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	B,E,F	3.22	3.22	3.22	3.10
♦ 692	Z86E3116VEC	PLCC - 28	4	236	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	8	B,E,F	3.35	3.35	3.35	3.22
692	Z86E2116PSC	PDIP - 40	4	237	32	6	- - -	- - -	No	2	UART	4.5 - 5.5	16	L,S,T,U	10.84	9.68	8.41	8.25
♦ 692	Z86E2112FSC	QFP - 44	4	237	32	6	- - -	- - -	No	2	UART	4.5 - 5.5	12	L,S,T,U	10.84	9.68	8.41	8.25
♦ 692	Z86E2116FSC	QFP - 44	4	237	32	6	- - -	- - -	No	2	UART	4.5 - 5.5	16	L,S,T,U	10.84	9.68	8.41	8.25
692	Z86E2112PSC	PDIP - 40	4	237	32	6	- - -	- - -	No	2	UART	4.5 - 5.5	12	L,S,T,U	10.84	9.68	8.41	8.25
♦ 692	Z86E2116VSC	PLCC - 44	4	237	32	6	- - -	- - -	No	2	UART	4.5 - 5.5	16	L,S,T,U	10.84	9.68	8.41	8.25
♦ 692	Z86E2112VSC	PLCC - 44	4	237	32	6	- - -	- - -	No	2	UART	4.5 - 5.5	12	L,S,T,U	10.84	9.68	8.41	8.25
♦ 692	Z86E3016SEC	SOIC - 28	4	237	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	B,E,F	4.86	4.34	3.77	3.70
692	Z86E3116PEC	PDIP - 28	4	237	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	B,E,F	3.35	3.35	3.35	3.22
692	Z86E3312PSC	PDIP - 28	4	237	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	12	A,B,C,D,E,F,G	4.27	4.27	4.27	4.11
♦ 692	Z86E3312SSC	SOIC - 28	4	237	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	12	A,B,C,D,E,F,G	4.19	4.19	4.19	4.11
♦ 692	Z86E3312VSC	PLCC - 28	4	237	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	12	A,B,C,D,E,F,G	4.16	4.16	4.16	4.01
♦ 692	Z86E3412VSC	PLCC - 28	4	237	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	12	A,B,C,D,E,F,G	8.46	7.05	6.03	5.91
♦ 692	Z86E3412SSC	SOIC - 28	4	237	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	12	A,B,C,D,E,F,G	8.46	7.05	6.03	5.91
♦ 692	Z86E8316SSC	SOIC - 28	4	237	21	6	POR	2 comp, ADC	Yes	2	- - -	3.5 - 5.5	16	AA,BB,CC,DD	5.46	4.88	4.24	4.11
♦ 692	Z86E8316SEC	SOIC - 28	4	237	21	6	POR	2 comp, ADC	Yes	2	- - -	3.5 - 5.5	16	AA,BB,CC,DD	6.01	5.37	4.67	4.51
♦ 692	Z86E8316VSC	PLCC - 28	4	237	21	6	POR	2 comp, ADC	Yes	2	- - -	3.5 - 5.5	16	AA,BB,CC,DD	5.46	4.88	4.24	4.11
♦ 692	Z86E8316VEC	PLCC - 28	4	237	21	6	POR	2 comp, ADC	Yes	2	- - -	3.5 - 5.5	16	AA,BB,CC,DD	6.01	5.37	4.67	4.51
692	Z86E8316PEC	PDIP - 28	4	237	21	6	POR	2 comp, ADC	Yes	2	- - -	3.5 - 5.5	16	AA,BB,CC,DD	6.01	5.37	4.67	4.51
692	Z86E3412PSC	PDIP - 28	8	237	24	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	12	A,B,C,D,E,F,G	8.46	7.05	6.03	5.91
♦ 692	Z86E4016FEC	QFP - 44	8	237	32	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	A,B,F,H,X,Y	6.84	5.70	4.87	4.71
♦ 692	Z86E4016VSC	PLCC - 44	8	237	32	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	A,B,F,H,X,Y	6.21	5.17	4.42	4.31
692	Z86E4016PEC	PDIP - 40	8	236	32	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	A,B,F,H,X,Y	6.84	5.70	4.87	4.71
♦ 692	Z86E4016FSC	QFP - 44	8	236	32	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	A,B,F,H,X,Y	6.21	5.17	4.42	4.31
♦ 692	Z86E4016VEC	PLCC - 44	8	236	32	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	16	A,B,F,H,X,Y	6.84	5.70	4.87	4.71
692	Z86E4312PSC	PDIP - 40	8	236	32	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	12	A,B,H,I,J,K	4.56	4.56	4.56	4.41
♦ 692	Z86E4312VSC	PLCC - 44	8	236	32	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	12	A,B,H,I,J,K	4.32	4.32	4.32	4.21
♦ 692	Z86E4312FSC	QFP - 44	8	236	32	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	12	A,B,H,I,J,K	4.95	4.95	4.95	4.81
♦ 692	Z86E4412FSC	QFP - 44	8	236	32	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	12	A,B,C,D,F,G,H,I,J,K	8.48	7.57	6.59	6.41
692	Z86E4412PSC	PDIP - 40	16	237	32	6	POR	2 comp	Yes	2	- - -	3.5 - 5.5	12	A,B,C,D,F,G,H,I,J,K	8.26	7.38	6.41	6.21
♦ 692	Z86E6116FSC	QFP - 44	16	237	32	6	- - -	- - -	No	2	UART	4.5 - 5.5	16	L,T,U	13.17	11.76	10.23	10.01
♦ 692	Z86E6116VSC	PLCC - 44	16	237	32	6	- - -	- - -	No	2	UART	4.5 - 5.5	16	L,T,U	13.17	11.76	10.23	10.01
♦ 692	Z86E6316VSC	PLCC - 44	16	236	32	6	- - -	- - -	No	2	UART	4.5 - 5.5	16	L,T,U	16.73	14.93	12.99	12.71
692	Z86E6316PSC	PDIP - 40	16	236	32	6	- - -	- - -	No	2	UART	4.5 - 5.5	16	L,T,U	16.73	14.93	12.99	12.71

ZILOG DEVELOPMENT TOOLS FOR Z8 OTP MICROCONTROLLERS

Key	MOUSER STOCK NO. Mfr.	Mfr. Part Number	Description	Price Each
AA	692	Z86C8401ZEM	Z8 IN-CIRCUIT EMULATOR-C84	1500.00
B	692	Z86CCP01ZEM	Z8 EMULATOR	49.95
BB	692	Z86E8300ZDP	Z86E83 28 PDIP-28 PDIP OTP PROG ADAPTER	36.00
C	692	Z86E3400ZDP	Z86E34 28L PDIP PROGRAMMING ADAPTER	33.75
CC	692	Z86E8300ZDS	Z86E83 28 SOIC-28 PDIP OTP PROG ADAPTER	54.67
D	692	Z86E3400ZDS	Z86E34 28L SOIC PROGRAMMING ADAPTER	50.63
DD	692	Z86E8300ZDV	Z86E83 28 PLCC-28 PDIP OTP PROG ADAPTER	42.00
E	692	Z86C3000ZAC	Z86C30 ACCESSORY KIT	102.00
EE	692	Z8E00101ZDH	Z8E001 "Z8 ICE" SSOP CONV. KIT	62.50
F	692	Z86CCP00ZAC	Z86CCP EMULATOR ACCESSORY KIT	46.43
G	692	Z86E3400ZDV	Z86E34 28L PLCC PROGRAMMING ADAPTER	39.38
H	692	Z86C4001ZDV	Z86C40 PLCC Emulator Pod for Z86CCP01ZEM	106.25
I	692	Z86E4400ZDF	Z86E44 44L QFP Programming Adapter	54.00

Key	MOUSER STOCK NO. Mfr.	Mfr. Part Number	Description	Price Each
J	692	Z86E4400ZDP	Z86E44 40L PDIP PROGRAMMING ADAPTER	42.00
K	692	Z86E4400ZDV	Z86E44 44L PLCC PROGRAMMING ADAPTER	48.00
M	692	Z86E0700ZDP	Z8 CONVERTER KIT	95.00
N	692	Z86E0800ZDH	Z8 SSOP CONVERTER KIT	75.00
O	692	Z86E0601ZDP	Z8 CONVERTER KIT	180.00
P	692	Z86E0600ZDP	Z8 CONVERTER KIT	66.00
Q	692	Z86E1500ZDP	E15 PROGRAMMING ADAPTER/EMULATOR POD	113.33
S	692	Z86C2100ZDV	Z86C21 PLCC Emulator Pod for Z86C1200ZEM	68.75
T	692	Z86E2101ZDF	Z8 OTP CONVERTER (QFP) KIT	198.00
U	692	Z86E2101ZDV	Z8 OTP CONVERTER (PLCC) KIT	132.00
X	692	Z86C4000ZDV	Z86C40 PLCC Emulator Pod for Z86C5000ZEM	52.57
Y	692	Z86E4001ZDF	Z8 OTP CONVERTER (QFP) KIT	118.83
Z	692	Z86E4001ZDV	Z8 OTP CONVERTER (PLCC) KIT	74.83

ZILOG DEVELOPMENT TOOLS

Key	MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part Number	Description	Price Each
A	692	Z86L9800ZEM	Z86L98 In-Circuit Emulator (ICEBOX)	850.00
B	692	Z86L8800ZCO	Z86L88 IR Demo Platform	123.75
C	692	Z86L9900100ZCO	Z86L99 EVALUATION BOARD	193.75
D	692	Z86L9900100ZEM	Z86L99 IN-CIRCUIT EMULATOR	850.00
E	692	Z86D9900100ZDH	SSOP-48 D99 Programming Adapter	65.00
F	692	Z16C3001ZCO	Z16C30 PC/AT Application Kit	199.00
G	692	Z8S18000ZCO	Z8S180 + ESCC Application Kit	200.00
H	692	Z8038000ZCO	Z80380 Evaluation Board	575.00

ZILOG IR MICROCONTROLLERS

• Watchdog timers • OTP Program memory ✻ See above for development tools. ♦ Surface Mount Device

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part Number	Package	ROM (KB)	RAM (Bytes)	I/O	Interrupts	On-Chip Special Features	On-Chip Analog Features	Timers	Voltage (V)	Speed (MHz)	Development Tools Available	Price Each 1	25	100	500
692	Z86D7308PSC	DIP-40	32	236	31	6	POR, IR Timer, Low Voltage Detection	2 comp	2	2.0-3.6	8	A,B	11.47	10.24	8.91	8.73
692	Z86D7308VSC	PLCC-44	32	236	31	6	POR, IR Timer, Low Voltage Detection	2 comp	2	2.0-3.6	8	A,B	11.78	10.52	9.15	8.96
692	Z86D8608SSC	SOIC-28	32	237	23	6	POR, IR Timer, Low Voltage Detection	2 comp	2	2.0-3.6	8	A,B	11.78	10.52	9.15	8.96
692	Z86D8608PSC	PDIP-28	32	237	23	6	POR, IR Timer, Low Voltage Detection	2 comp	2	2.0-3.6	8	A,B	11.47	10.24	8.91	8.73
692	Z86D990HZ008SC	SSOP-48	32	489	32	6	POR, IR Timer, Low Voltage Detection	2 comp; ADC	3	3.0-5.5	8	C,D,E	11.22	9.59	8.20	8.03
692	Z86D990PZ008SC	PDIP-40	32	489	32	6	POR, IR Timer, Low Voltage Detection	2 comp; ADC	3	3.0-5.5	8	C,D	10.65	9.10	7.78	7.63
692	Z86D991PZ008SC	PDIP-28	32	489	24	6	POR, IR Timer, Low Voltage Detection	2 comp	3	3.0-5.5	8	C,D	10.65	9.10	7.78	7.63
692	Z86D991SZ008SC	SOIC-28	32	489	24	6	POR, IR Timer, Low Voltage Detection	2 comp	3	3.0-5.5	8	C,D	10.37	8.86	7.57	7.42

ILOG SERIAL COMMUNICATIONS CONTROLLERS

• Operating voltage: 5(V) • On-chip feature: multi-protocol ✻ See above for development tools. ♦ Surface Mount Device

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part Number	Package	Comm Controller	Speed (MHz)	Ext. Temp.	Mbps.	FIFO Tx (Bytes)	FIFO Rx (Bytes)	Error Detection	Integrated DMA	Full Duplex Channels	Development Tools Available	Full-Duplex Channels: Dual	Price Each 1	25	100	500
692	Z80C3008VSC	PLCC-44	SCC	8	No	2.5	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	13.60	11.13	9.42	9.23
692	Z80C3008PSC	DIP-40	SCC	8	Yes	2.5	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	13.60	11.13	9.42	9.23
692	Z8523008PEC	DIP-40	ESCC	8	Yes	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	17.24	15.67	13.26	12.32
692	Z8523008VEC	PLCC-44	ESCC	8	Yes	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	15.23	13.84	11.71	10.88
692	Z8523008PSC	DIP-40	ESCC	8	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	10.55	9.59	8.11	7.53
692	Z8523008VSC	PLCC-44	ESCC	8	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	10.55	9.59	8.11	7.53
692	Z85C3008PEC	PDIP-40	SCC	8	Yes	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	8.99	8.17	6.91	6.42
692	Z85C3008PSC	PDIP-40	SCC	8	No	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	6.00	5.45	4.62	4.29
692	Z85C3008VEC	PLCC-44	SCC	8	Yes	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	8.99	8.17	6.91	6.42
692	Z85C3008VSC	PLCC-44	SCC	8	No	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	6.00	5.45	4.62	4.29
692	Z16C3010VEC	PLCC-68	USC	10	Yes	10	32	32	CRC-32, CRC-16, CRC-CCITT	No	No	F	Yes	66.60	60.55	51.23	47.57
692	Z16C3010ASC	VQFP-100	USC	10	No	10	32	32	CRC-32, CRC-16, CRC-CCITT	No	No	F	Yes	37.80	34.36	29.08	27.00
692	Z16C3010VSC	PLCC-68	USC	10	No	10	32	32	CRC-32, CRC-16, CRC-CCITT	No	No	F	Yes	37.80	34.36	29.08	27.00
692	Z16C3010AEC	VQFP-100	USC	10	Yes	10	32	32	CRC-32, CRC-16, CRC-CCITT	No	No	F	Yes	66.60	60.55	51.23	47.57
692	Z16C3510VSC	PLCC-68	ISCC	10	No	4	1	3	CRC-16 or CRC-CCITT	Yes	No	-	Yes	19.00	17.27	14.62	13.57
692	Z8023010PSC	DIP-40	ESCC	10	No	4	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	20.56	16.82	14.23	13.95
692	Z8023010VSC	PLCC-44	ESCC	10	No	4	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	22.09	18.07	15.29	14.98
692	Z80C3010PSC	DIP-40	SCC	10	No	2.5	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	18.16	14.85	12.57	12.32
692	Z80C3010VSC	PLCC-44	SCC	10	No	2.5	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	18.16	14.85	12.57	12.32
692	Z8523010VSC	PLCC-44	ESCC	10	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	13.32	12.11	10.25	9.52
692	Z8523010PSC	DIP-40	ESCC	10	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	13.32	12.11	10.25	9.52
692	Z8523010VEC	PLCC-44	ESCC	10	Yes	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	21.60	19.63	16.61	15.43
692	Z8523310VSC	PLCC-44	EMSCC	10	No	4	4	8	CRC-16 or CRC-CCITT	No	Yes	G,F	No	7.42	6.07	5.14	5.04
692	Z8523310FSC	PQFP-44	EMSCC	10	No	4	4	8	CRC-16 or CRC-CCITT	No	Yes	G,F	No	7.93	6.49	5.49	5.38
692	Z85C3010PEC	PDIP-40	SCC	10	Yes	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	10.21	9.28	7.85	7.29
692	Z85C3010PSC	PDIP-40	SCC	10	No	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	6.84	6.22	5.26	4.89
692	Z85C3010VEC	PLCC-44	SCC	10	Yes	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	10.21	9.28	7.85	7.29
692	Z85C3010VSC	PLCC-44	SCC	10	No	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	6.84	6.22	5.26	4.89
692	Z8523010PEC	DIP-40	ESCC	10	Yes	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	21.60	19.63	16.61	15.43
692	Z16C3516VSC	PLCC-68	ISCC	16	No	4	1	3	CRC-16 or CRC-CCITT	Yes	No	-	Yes	25.20	22.91	19.38	18.00
692	Z8023016VSC	PLCC-44	ESCC	16	No	4	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	28.93	23.67	20.03	19.63
692	Z8023016PSC	DIP-40	ESCC	16	No	4	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	28.93	23.67	20.03	19.63
692	Z8523016VSC	PLCC-44	ESCC	16	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	17.09	15.54	13.15	12.21
692	Z8523016PSC	DIP-40	ESCC	16	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	17.09	15.54	13.15	12.21
692	Z8523016VEC	PLCC-44	ESCC	16	Yes	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	26.65	24.22	20.50	19.03
692	Z8523016PEC	DIP-40	ESCC	16	Yes	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	26.65	24.22	20.50	19.03
692	Z8523316VSC	PLCC-44	EMSCC	16	No	4	4	8	CRC-16 or CRC-CCITT	No	Yes	G,F	No	11.62	9.51	8.05	7.89
692	Z8523316FSC	PQFP-44	EMSCC	16	No	4	4	8	CRC-16 or CRC-CCITT	No	Yes	G,F	No	13.71	11.22	9.49	9.30
692	Z85C3016PSC	PDIP-40	SCC	16	No	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	10.00	9.09	7.69	7.14
692	Z85C3016VSC	PLCC-44	SCC	16	No	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	10.00	9.09	7.69	7.14
692	Z16C3220FSC	PQFP-80	IUSC	20	No	20	32	32	CRC-32, CRC-16, CRC-CCITT	Yes	Yes	-	No	18.90	17.18	14.54	13.50
692	Z16C3220VSC1660	PLCC-68	IUSC	20	No	20	32	32	CRC-32, CRC-16, CRC-CCITT	Yes	Yes	-	No	20.70	18.82	15.92	14.79
692	Z8523020VSC	PLCC-44	ESCC	20	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	22.57	20.52	17.36	16.12
692	Z8523020PSC	DIP-40	ESCC	20	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G,F	Yes	22.57	20.52	17.36	16.12
692	Z8523320FSC	PQFP-44	EMSCC	20	No	4	4	8	CRC-16 or CRC-CCITT	No	Yes	G,F	No	23.72	19.41	16.42	16.09

ATMEL EEPROMs, FPGA's and Dataflash

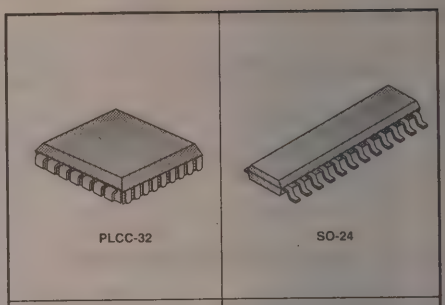
PARALLEL EEPROMS

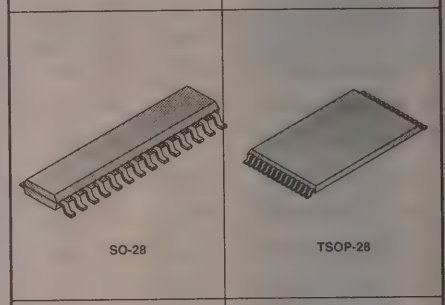
These products are the highly flexible members of the Atmel Non-Volatile Data Storage Memory family. The Parallel EEPROM enables the user or application to update the stored data byte-by-byte or full sector (page), while providing reliability benefits of high programming endurance and data retention and faster read timing than the Serial EEPROM counterparts. Atmel provides a complete selection of densities (16K to 4 Mb), operating voltages, and device packages. Atmel's battery voltage (2.7), low voltage (3.0) and 5-volt Parallel EEPROMs are used extensively across a broad spectrum of products including telecommunications, avionics and military applications.

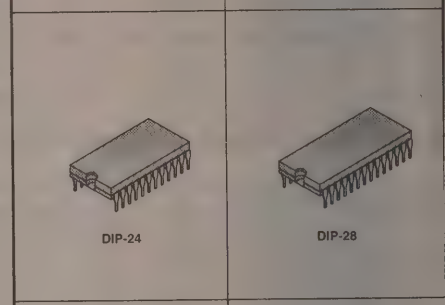
♦ Surface Mount Device

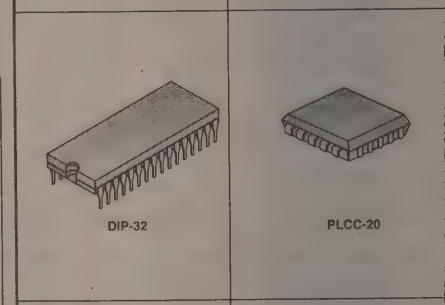
For quantities of 100 and up, call for quote.

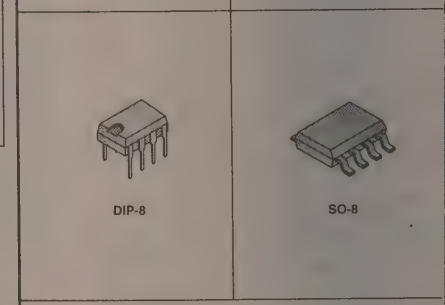
MOUSER STOCK NO.	Atmel Part No.	Package Type	Density	Organization	Access Time (ns)	Supply Voltage	Operating Temp. Range (°C)	Price Each 1	Price Each 25
♦556-AT28C1615JC	AT28C16-15JC	PLCC-32	16K	2K X 8	150	4.5 to 5.5	0° to +70°	2.45	2.28
556-AT28C1615PC	AT28C16-15PC	DIP-24	16K	2K X 8	150	4.5 to 5.5	0° to +70°	3.56	2.40
♦556-AT28C1615SC	AT28C16-15SC	SO-24	16K	2K X 8	150	4.5 to 5.5	0° to +70°	3.83	2.52
♦556-AT28BV64B20TC	AT28BV64B-20TC	TSOP-28	64K	8K X 8	200	2.7 to 3.6	0° to +70°	6.23	4.77
♦556-AT28C64B15JC	AT28C64B-15JC	PLCC-32	64K	8K X 8	150	4.5 to 5.5	0° to +70°	4.11	4.10
556-AT28C64B15PC	AT28C64B-15PC	DIP-28	64K	8K X 8	150	4.5 to 5.5	0° to +70°	5.37	4.55
♦556-AT28C64B15SC	AT28C64B-15SC	SO-28	64K	8K X 8	150	4.5 to 5.5	0° to +70°	4.43	4.42
♦556-AT28C64B15SI	AT28C64B-15SI	SO-28	64K	8K X 8	150	4.5 to 5.5	-40° to +85°	5.79	5.78
♦556-AT28C64B15TC	AT28C64B-15TC	TSOP-28	64K	8K X 8	150	4.5 to 5.5	0° to +70°	4.43	4.42
♦556-AT28C64B15TI	AT28C64B-15TI	TSOP-28	64K	8K X 8	150	4.5 to 5.5	-40° to +85°	5.10	5.09
♦556-AT28HC64B12JC	AT28HC64B-12JC	PLCC-32	64K	8K X 8	120	4.5 to 5.5	0° to +70°	5.58	4.28
556-AT28HC64B12PI	AT28HC64B-12PI	DIP-28	64K	8K X 8	120	4.5 to 5.5	-40° to +85°	4.94	4.93
♦556-AT28BV25620TC	AT28BV256-20TC	TSOP-28	256K	32K X 8	200	2.7 to 3.6	0° to +70°	13.64	10.45
♦556-AT28C25615JI	AT28C256-15JI	PLCC-32	256K	32K X 8	150	4.5 to 5.5	-40° to +85°	10.61	10.60
556-AT28C25615PC	AT28C256-15PC	DIP-28	256K	32K X 8	150	4.5 to 5.5	0° to +70°	5.59	5.58
556-AT28C25615PI	AT28C256-15PI	DIP-28	256K	32K X 8	150	4.5 to 5.5	-40° to +85°	12.34	12.33
♦556-AT28C25615SC	AT28C256-15SC	SO-28	256K	32K X 8	150	4.5 to 5.5	0° to +70°	13.21	10.11
♦556-AT28C25615SI	AT28C256-15SI	SO-28	256K	32K X 8	150	4.5 to 5.5	-40° to +85°	11.52	11.51
556-AT28HC25690PC	AT28HC256-90PC	DIP-28	256K	32K X 8	90	4.5 to 5.5	0° to +70°	13.75	12.94
♦556-AT28LV01020JC	AT28LV010-20JC	PLCC-32	1M	128K X 8	200	3.0 to 3.6	0° to +70°	40.30	32.44
556-AT28LV01020PC	AT28LV010-20PC	DIP-32	1M	128K X 8	200	3.0 to 3.6	0° to +70°	40.30	30.85











FIELD PROGRAMMABLE GATE ARRAY (FPGA) CONFIGURATION MEMORY

Atmel's popular In-System Programmable (ISP) FPGA Configurator EEPROM memories can be used with Atmel's FPSLICTM devices and and SRAM-based FPGA from any supplier, including Atmel's own AT6000 and AT40K FPGA family, as well as products from Xilinx, Altera, Vantis, and Lucent. They come in densities from 65K to 4M and are reprogrammable at 5V or 3.3V, using an industry standard 2-wire serial bus.

♦ Surface Mount Device

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package Type	Density	Organization	Supply Voltage	F max	Price Each 1	Price Each 25
♦ 556-AT17C6510JC	AT17C65-10JC	PLCC-20	64K	64K X 1	5.0	10 MHz	4.94	4.64
556-AT17LV6510PC	AT17LV65-10PC	DIP-8	64K	64K X 1	3.3	10 MHz	6.44	4.93
♦ 556-AT17C12810JC	AT17C128-10JC	PLCC-20	128K	128K X 1	5.0	10 MHz	9.03	8.05
♦ 556-AT17C12810NI	AT17C128-10NI	SO-8	128K	128K X 1	5.0	10 MHz	11.83	10.67
556-AT17LV12810PC	AT17LV128-10PC	DIP-8	128K	128K X 1	3.3	10 MHz	10.31	7.90
♦ 556-AT17C25610JC	AT17C256-10JC	PLCC-20	256K	256K X 1	5.0	12.5 MHz	15.80	14.83
♦ 556-AT17C25610NI	AT17C256-10NI	SO-8	256K	256K X 1	5.0	12.5 MHz	21.52	19.92
♦ 556-AT17LV25610JC	AT17LV256-10JC	PLCC-20	256K	256K X 1	3.3	10 MHz	14.44	13.98
♦ 556-AT17LV25610NI	AT17LV256-10NI	SO-8	256K	256K X 1	3.3	10 MHz	21.83	21.82
556-AT17LV25610PC	AT17LV256-10PC	DIP-8	256K	256K X 1	3.3	10 MHz	12.34	12.33
♦ 556-AT17LV51210JC	AT17LV512-10JC	PLCC-20	512K	512K X 1	3.3	15 MHz	19.34	19.18
♦ 556-AT17C01010JC	AT17C010-10JC	PLCC-20	1M	1M X 1	5.0	15 MHz	25.22	23.70
♦ 556-AT17LV01010JC	AT17LV010-10JC	PLCC-20	1M	1M X 1	3.3	15 MHz	26.71	24.69
♦ 556-AT17C002A10JC	AT17C002A-10JC	PLCC-20	2M	2M X 1	5.0	15 MHz	22.53	21.15

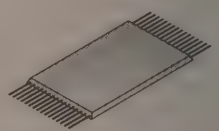
SERIAL DATAFLASH

The AT45DBxxxx DataFlash series is a feature-rich, low pin count, sequential access family that complements our extensive offering of AT29xxxx and AT49xxxx single-voltage program Flash memory devices. The DataFlash series now gives users a nonvolatile memory solution for data storage applications such as voice, image or text. The DataFlash was designed to easily and efficiently handle large amounts of frequently-changing data by incorporating features such as small page sizes (264 to 1056 bytes), internal RAM buffers, a simple serial interface, and a flexible command set. Densities from 1M through 32M feature an SPI serial interface.

♦ Surface Mount Device

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package Type	Density	Organization	Supply Voltage	Operating Temp. Range (°C)	Price Each 1	Price Each 25
♦ 556-AT45DB011BSI	AT45DB011B-SI	SO-8	1M	512 X 264	2.7 to 3.6	-40 to +85	2.12	1.95
♦ 556-AT45DB021BRC	AT45DB021B-RC	SO-28	2M	1K X 264	2.7 to 3.6	0 to +70	3.19	3.18
♦ 556-AT45DB021BRI	AT45DB021B-RI	SO-28	2M	1K X 264	2.7 to 3.6	-40 to +85	3.24	3.23
♦ 556-AT45DB021BTI	AT45DB021B-TI	TSOP-32	2M	1K X 264	2.7 to 3.6	-40 to +85	3.24	3.23



ATMEL Serial EEPROMs and Microcontrollers

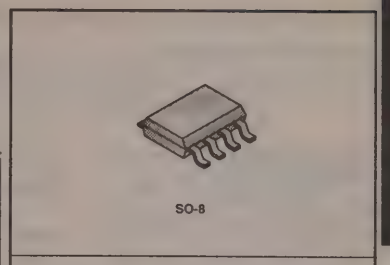
SERIAL EEPROMS

Serial-interface EEPROMs are used in a broad spectrum of consumer, automotive, telecommunications, medical, industrial, and PC related markets. Primarily used to store personal preference data and configuration/setup data, Serial EEPROMs are the most flexible type of non-volatile memory utilized today. Compared to other NVM solutions, Serial EEPROM devices offer a lower pin count, smaller packages, lower voltages, and lower power consumption.

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package Type	Interface	Density	Organization	Supply Voltage (V)	Price Each 1	Price Each 25
556-AT24C0110SI	AT24C01-10SI	SO-8	2-Wire	1K	128 X 8	4.5 to 5.5	.78	.77
556-AT24C2110SC2.5	AT24C21-10SC-2.5	SO-8	2-Wire	1K	128 X 8	2.5 to 5.5	1.32	1.04
556-AT25010N10SI	AT25010N-10SI	SO-8	SPI	1K	128 X 8	4.5 to 5.5	.73	.69
556-AT93C46A10PI	AT93C46A-10PI	DIP-8	3-Wire	1K	64 X 16	4.5 to 5.5	1.23	.68
556-AT93C46A10SC2.7	AT93C46A-10SC-2.7	SO-8	3-Wire	1K	64 X 16	2.7 to 5.5	1.17	.64
556-AT93C46A10SI2.7	AT93C46A-10SI-2.7	SO-8	3-Wire	1K	64 X 16	2.7 to 5.5	.77	.76
556-AT93C5610SC2.7	AT93C56-10SC-2.7	SO-8	3-Wire	2K	128 X 16/256 X 8	2.7 to 5.5	.76	.71
556-AT25010N10SI2.7	AT25020N-10SC-2.7	SO-8	SPI	2K	256 X 8	2.7 to 5.5	1.17	.88
556-AT2502010PC2.7	AT25020-10PC-2.7	DIP-8	SPI	2K	256 X 8	2.7 to 5.5	.91	.86
556-AT25020N10SI	AT25020N-10SI	SO-8	SPI	2K	256 X 8	4.5 to 5.5	.94	.88
556-AT25020N10SI2.7	AT25020N-10SI-2.7	SO-8	SPI	2K	256 X 8	2.7 to 5.5	1.26	.96
556-AT93C6610PC2.7	AT93C66-10PC-2.7	DIP-8	3-Wire	4K	256 X 16/512 X 8	2.7 to 5.5	.89	.83
556-AT24C04N10SC	AT24C04N-10SC	SO-8	2-Wire	4K	512 X 8	4.5 to 5.5	.89	.88
556-AT24C08N10SC2.7	AT24C08N-10SC-2.7	SO-8	2-Wire	8K	1K X 8	2.7 to 5.5	1.32	1.04
556-AT24C08N10SI	AT24C08N-10SI	SO-8	2-Wire	8K	1K X 8	4.5 to 5.5	1.44	1.13
556-AT25080N10SC2.7	AT25080N-10SC-2.7	SO-8	SPI	8K	1K X 8	2.7 to 5.5	1.55	1.46
556-AT25080N10SI	AT25080N-10SI	SO-8	SPI	8K	1K X 8	4.5 to 5.5	1.49	1.40
556-AT24C16N10SC	AT24C16N-10SC	SO-8	2-Wire	16K	2K X 8	4.5 to 5.5	1.60	1.34
556-AT25160N10SC2.7	AT25160N-10SC-2.7	SO-8	SPI	16K	2K X 8	2.7 to 5.5	1.93	1.81
556-AT25160N10SI2.7	AT25160N-10SI-2.7	SO-8	SPI	16K	2K X 8	2.7 to 5.5	2.11	1.98
556-AT24C32N10SC	AT24C32N-10SC	SO-8	2-Wire	32K	4K X 8	4.5 to 5.5	2.67	2.51
556-AT24C32N10SC2.7	AT24C32N-10SC-2.7	SO-8	2-Wire	32K	4K X 8	2.7 to 5.5	2.80	2.63
556-AT24C32N10SI2.7	AT24C32N-10SI-2.7	SO-8	2-Wire	32K	4K X 8	2.7 to 5.5	2.83	2.76
556-AT25320N10SC	AT25320N-10SC	SO-8	SPI	32K	4K X 8	4.5 to 5.5	3.11	2.92
556-AT25320N10SI	AT25320N-10SI	SO-8	SPI	32K	4K X 8	4.5 to 5.5	3.42	3.21
556-AT24C64N10SI	AT24C64N-10SI	SO-8	2-Wire	64K	8K X 8	4.5 to 5.5	3.55	3.33
556-AT2564010PC	AT25640-10PC	DIP-8	SPI	64K	8K X 8	4.5 to 5.5	4.00	3.99
556-AT25640N10SI	AT25640N-10SI	SO-8	SPI	64K	8K X 8	4.5 to 5.5	4.89	4.59
556-AT25640N10SI2.7	AT25640N-10SI-2.7	SO-8	SPI	64K	8K X 8	2.7 to 5.5	5.01	5.00
556-AT24C128N10SC	AT24C128N-10SC	SO-8	2-Wire	128K	16K X 8	4.5 to 5.5	2.95	2.89
556-AT2512810PC2.7	AT25128-10PC-2.7	DIP-8	SPI	128K	16K X 8	2.7 to 5.5	6.15	6.14
556-AT2512810PI2.7	AT25128-10PI-2.7	DIP-8	SPI	128K	16K X 8	2.7 to 5.5	7.48	7.02
556-AT25128N10SC	AT25128N-10SC	SO-8	SPI	128K	16K X 8	4.5 to 5.5	3.37	3.16
556-AT25128N10SI2.7	AT25128N-10SI-2.7	SO-8	SPI	128K	16K X 8	2.7 to 5.5	3.80	3.79
556-AT24C25610PC2.7	AT24C256-10PC-2.7	DIP-8	2-Wire	256K	32K X 8	2.7 to 5.5	4.42	4.41
556-AT24C25610PI2.7	AT24C256-10PI-2.7	DIP-8	2-Wire	256K	32K X 8	2.7 to 5.5	5.23	4.91
556-AT24C256W10SC	AT24C256W-10SC	SO-8	2-Wire	256K	32K X 8	4.5 to 5.5	4.23	4.22
556-AT2525610PC	AT25256-10PC	DIP-8	SPI	256K	32K X 8	4.5 to 5.5	4.59	4.58
556-AT2525610PI2.7	AT25256-10PI-2.7	DIP-8	SPI	256K	32K X 8	2.7 to 5.5	5.29	5.28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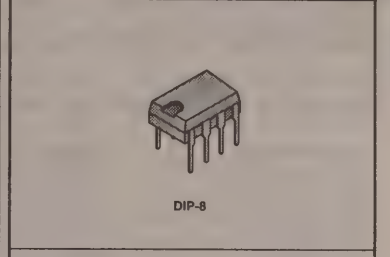
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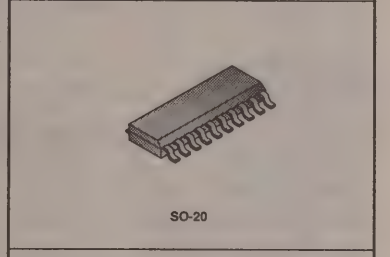
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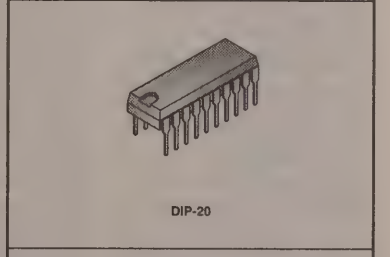
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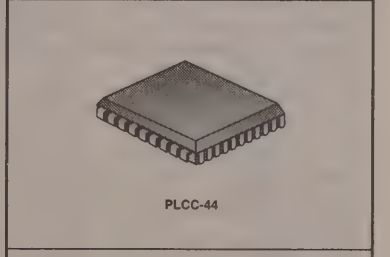
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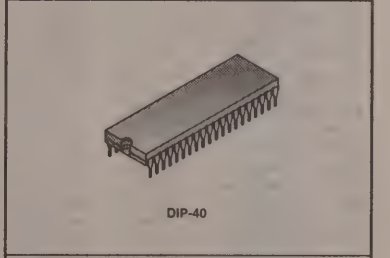
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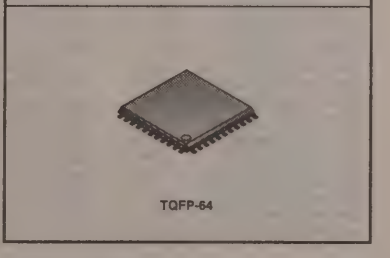

TQFP-64

8051 ARCHITECTURE MICROCONTROLLERS

Atmel offers a broad range of microcontrollers based on the 8051 architecture. The product line includes MCS-51® in industry standard socket drop-in devices, In-System Programming capability, and small footprint 20-pin devices in ROMLESS, ROM, OTP & FLASH flavors. Some of the devices also take advantage of the high-speed core (X2) mode which doubles internals frequency for CPU and peripherals upon selection.

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package Type	Prog. Mem.	Memory Type	RAM	Speed (MHz)	I/O Lines	Counters/ Timers	ISP	Operating Temp. Range (°C)	Price Each 1	Price Each 25
556-AT89C1051U24SC	AT89C1051U-24SC	SO-20	1K	Flash	64 X 8	24	15	2x16-Bit	No	0 to 70	1.81	1.70
556-AT89C205124PC	AT89C2051-24PC	DIP-20	2K	Flash	128 X 8	24	15	2x16-Bit	No	0 to 70	2.54	2.53
556-AT89C205124PI	AT89C2051-24PI	DIP-20	2K	Flash	128 X 8	24	15	2x16-Bit	No	-40 to 85	1.93	1.81
556-AT89C205124SC	AT89C2051-24SC	SO-20	2K	Flash	128 X 8	24	15	2x16-Bit	No	0 to 70	1.93	1.68
556-AT87F5124PC	AT87F51-24PC	DIP-40	4K	OTP Flash	128 X 8	24	32	2x16-Bit	No	0 to 70	2.72	2.55
556-AT89C405124SC	AT89C4051-24SC	PLCC-44	4K	Flash	128 X 8	24	15	2x16-Bit	No	0 to 70	2.28	2.27
556-AT89C5124JC	AT89C51-24JC	PLCC-44	4K	Flash	128 X 8	24	32	2x16-Bit	No	0 to 70	4.13	3.84
556-AT89C5124JI	AT89C51-24JI	PLCC-44	4K	Flash	128 X 8	24	32	2x16-Bit	No	-40 to 85	4.13	3.84
556-AT89C5124PI	AT89C51-24PI	DIP-40	4K	Flash	128 X 8	24	32	2x16-Bit	No	-40 to 85	2.51	2.33
556-AT87F5224PC	AT87F52-24PC	DIP-40	8K	OTP Flash	256 X 8	24	32	3x16-Bit	No	0 to 70	2.97	2.79
556-AT89C5224AC	AT89C52-24AC	TQFP-44	8K	Flash	256 X 8	24	32	3x16-Bit	No	0 to 70	2.66	2.47
556-AT89C5224JC	AT89C52-24JC	PLCC-44	8K	Flash	256 X 8	24	32	3x16-Bit	No	0 to 70	2.47	1.95
556-AT89C5224JI	AT89C52-24JI	PLCC-44	8K	Flash	256 X 8	24	32	3x16-Bit	No	-40 to 85	2.47	1.95
556-AT89C5224PC	AT89C52-24PC	DIP-40	8K	Flash	256 X 8	24	32	3x16-Bit	No	0 to 70	4.70	3.02
556-AT89C5224PI	AT89C52-24PI	DIP-40	8K	Flash	256 X 8	24	32	3x16-Bit	No	-40 to 85	4.70	4.59
556-AT89S825224AC	AT89S8252-24AC	TQFP-44	8K	Flash	256 X 8	24	32	3x16-Bit	Yes	0 to 70	5.15	4.29
556-AT89S825224JC	AT89S8252-24JC	PLCC-44	8K	Flash	256 X 8	24	32	3x16-Bit	Yes	0 to 70	5.15	4.49
556-AT89S825224PC	AT89S8252-24PC	DIP-40	8K	Flash	256 X 8	24	32	3x16-Bit	Yes	0 to 70	5.84	5.83
556-AT89S5324AI	AT89S53-24AI	TQFP-44	12K	Flash	256 X 8	24	32	3x16-Bit	Yes	-40 to 85	5.15	4.75
556-AT89S5324JI	AT89S53-24JI	PLCC-44	12K	Flash	256 X 8	24	32	3x16-Bit	Yes	-40 to 85	5.15	4.75
556-AT89S5324PC	AT89S53-24PC	DIP-40	12K	Flash	256 X 8	24	32	3x16-Bit	Yes	0 to 70	5.25	4.88
556-AT89C55WD24JI	AT89C55WD-24JI	PLCC-44	20K	Flash	256 X 8	24	32	3x16-Bit	No	-40 to 85	3.63	3.37

CATALYST Serial EEPROMs

CATALYST SEMICONDUCTOR, INC.

CATALYST CAT24C01B ZERO STANDBY 2-WIRE

The CAT24C01B is a 1K-bit Serial CMOS EEPROM internally organized as 128 words of 8 bits each. Catalyst's advanced CMOS technology substantially reduces device power requirements. The CAT24C01B features a 4-byte page write buffer. The device operates via a 2-wire serial interface.

Features:

- 2-Wire Serial Interface
- 1.8 to 6.0Volt Operation
- Low Power CMOS Technology
- 4-Byte Page Write Buffer
- Self-Timed Write Cycle with Auto-Clear
- 1,000,000 Program/Erase Cycles
- 100 Year Data Retention
- Commercial, Industrial and Automotive Temperature Ranges

♦ Surface Mount — For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part Number	Package	Density (Org)	Temp Range	Price Each 1	25	100	250
Zero Standby 2-Wire-1.8-6.0 Volt							
♦ 698—CAT24C01BJ-1.8	SOIC-8	1K (128 X 8)	0-70°C	.49	.39	.34	.32
♦ 698—CAT24C01BJI-1.8	SOIC-8	1K (128 X 8)	-40-85°C	.57	.46	.40	.37
Zero Standby 2-Wire 2.5-6.0 Volt							
♦ 698—CAT24C01BJ	SOIC-8	1K (128 X 8)	0-70°C	.40	.32	.28	.26

♦ Surface Mount — For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part Number	Package	Density (Org)	Temp Range	Price Each 1	25	100	250
Zero Standby 2-Wire 2.5-6.0 Volt (Cont.)							
♦ 698—CAT24C01BJI	SOIC-8	1K (128 X 8)	-40-85°C	.48	.38	.33	.31
698—CAT24C01BPI	PDIP-8	1K (128 X 8)	-40-85°C	.48	.38	.33	.31
♦ 698—CAT24C01BR	MSOP-8	1K (128 X 8)	0-70°C	.48	.38	.33	.31
♦ 698—CAT24C01BRI	MSOP-8	1K (128 X 8)	-40-85°C	.56	.44	.39	.36

CATALYST I²C BUS PARTIAL ARRAY WRITE PROTECT

Common Features:

- Low power CMOS technology
- 1.8 to 6.0Volt Operation
- Self-timed write cycle with auto-clear
- Commercial, industrial and automotive temperature ranges
- 100,000 Program/Erase Cycles
- 100 year data retention

CAT34WC02:

- 400 kHz (5V) and 100 kHz (1.8V) I²C bus compatible
- 16-byte page write buffer
- Software write protection for lower 128 bytes
- Hardware write protect

CAT24WC03/05:

- 400 kHz I2C bus compatible
- 16-Byte page write buffer
- Write protect feature: Top 1/2 array protected when WP at V_{IH}

CAT24WC33/65:

- 400 KHz I2C Bus Compatible
- Cascadable for up to Eight Devices
- Schmitt Trigger Inputs for Noise Protection
- Write Protection: Bottom 1/4 Array Protected When WP at V_{IH}

CAT24WC129:

- 1MHz I2C Bus Compatible
- 64-Byte Page Write Buffer
- Write Protect Feature: Top 1/4 Array Protected When WP at V_{IH}

CAT24WC257:

- 1MHz I2C bus compatible
- 64-Byte page write buffer
- Write protect feature: Top 1/4 array protected when WP at V_{IH}

♦ Surface Mount — For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part Number	Package	Density (Org)	Temp Range	Price Each 1	25	100	250
Zero Standby I²C Bus Partial Array Write Protect-1.8-6.0 Volt							
698—CAT24WC03P-1.8	PDIP-8	2K (256 X 8)	0-70°C	.68	.55	.48	.44
698—CAT24WC03PI-1.8	PDIP-8	2K (256 X 8)	-40-85°C	.72	.57	.50	.46
♦ 698—CAT24WC03J-1.8	SOIC-8	2K (256 X 8)	0-70°C	.57	.46	.40	.37
♦ 698—CAT24WC03U-1.8	TSSOP-8	2K (256 X 8)	0-70°C	.67	.53	.47	.43
♦ 698—CAT24WC03UI-1.8	TSSOP-8	2K (256 X 8)	-40-85°C	.78	.62	.54	.50
698—CAT34WC02P-1.8	PDIP-8	2K (256 X 8)	0-70°C	.72	.57	.50	.46
698—CAT34WC02PI-1.8	PDIP-8	2K (256 X 8)	-40-85°C	.83	.66	.58	.54
♦ 698—CAT34WC02J-1.8	SOIC-8	2K (256 X 8)	0-70°C	.72	.57	.50	.46
♦ 698—CAT34WC02JI-1.8	SOIC-8	2K (256 X 8)	-40-85°C	.83	.66	.58	.54
♦ 698—CAT34WC02UI-1.8	TSSOP-8	2K (256 X 8)	-40-85°C	.92	.74	.64	.60
698—CAT24WC05P-1.8	PDIP-8	4K (512 X 8)	0-70°C	.60	.48	.42	.39
♦ 698—CAT24WC05J-1.8	SOIC-8	4K (512 X 8)	0-70°C	.60	.48	.42	.39
♦ 698—CAT24WC05UI-1.8	TSSOP-8	4K (512 X 8)	-40-85°C	.91	.72	.63	.59
698—CAT24WC33P-1.8	PDIP-8	32K (4K X 8)	0-70°C	1.13	.90	.79	.73
♦ 698—CAT24WC33J-1.8	SOIC-8	32K (4K X 8)	0-70°C	1.13	.90	.79	.73
698—CAT24WC65P-1.8	PDIP-8	64K (8K X 8)	0-70°C	1.56	1.25	1.09	1.01
♦ 698—CAT24WC65J-1.8	SOIC-8	64K (8K X 8)	0-70°C	1.56	1.25	1.09	1.01
♦ 698—CAT24WC65JI-1.8	SOIC-8	64K (8K X 8)	-40-85°C	1.68	1.34	1.17	1.09
♦ 698—CAT24WC65KI-1.8	SOIC-8	64K (8K X 8)	-40-85°C	1.68	1.34	1.17	1.09
698—CAT24WC129P-1.8	PDIP-8	128K (16K X 8)	0-70°C	2.56	2.04	1.79	1.66
698—CAT24WC257P-1.8	PDIP-8	256K (32K X 8)	0-70°C	3.48	2.79	2.44	2.26
Zero Standby I²C Bus Partial Array Write Protect-2.5-6.0 Volt							
698—CAT24WC03P	PDIP-8	2K (256 X 8)	0-70°C	.41	.33	.29	.27
698—CAT24WC03PI	PDIP-8	2K (256 X 8)	-40-85°C	.47	.38	.33	.30
♦ 698—CAT24WC03J	SOIC-8	2K (256 X 8)	0-70°C	.41	.33	.29	.27
♦ 698—CAT24WC03JI	SOIC-8	2K (256 X 8)	-40-85°C	.47	.38	.33	.30
♦ 698—CAT24WC03U	TSSOP-8	2K (256 X 8)	0-70°C	.51	.40	.35	.33
♦ 698—CAT24WC03UI	TSSOP-8	2K (256 X 8)	-40-85°C	.57	.46	.40	.37
698—CAT34WC02P	PDIP-8	2K (256 X 8)	0-70°C	.53	.42	.37	.34
698—CAT34WC02PI	PDIP-8	2K (256 X 8)	-40-85°C	.59	.47	.41	.38
698—CAT34WC02PA	PDIP-8	2K (256 X 8)	-40-105°C	.86	.69	.60	.56
♦ 698—CAT34WC02J	SOIC-8	2K (256 X 8)	0-70°C	.53	.42	.37	.34
♦ 698—CAT34WC02JI	SOIC-8	2K (256 X 8)	-40-85°C	.59	.47	.41	.38
♦ 698—CAT34WC02JA	SOIC-8	2K (256 X 8)	-40-105°C	.86	.69	.60	.56
♦ 698—CAT34WC02U	TSSOP-8	2K (256 X 8)	0-70°C	.62	.49	.43	.40
698—CAT24WC05P	PDIP-8	4K (512 X 8)	0-70°C	.56	.45	.39	.36
698—CAT24WC05PI	PDIP-8	4K (512 X 8)	-40-85°C	.62	.49	.43	.40
♦ 698—CAT24WC05J	SOIC-8	4K (512 X 8)	0-70°C	.56	.45	.39	.36
♦ 698—CAT24WC05JI	SOIC-8	4K (512 X 8)	-40-85°C	.62	.49	.43	.40
♦ 698—CAT24WC05UI	TSSOP-8	4K (512 X 8)	-40-85°C	.70	.56	.49	.45
698—CAT24WC33P	PDIP-8	32K (4K X 8)	0-70°C	.83	.66	.58	.54
698—CAT24WC33PI	PDIP-8	32K (4K X 8)	-40-85°C	.89	.71	.62	.58
♦ 698—CAT24WC33J	SOIC-8	32K (4K X 8)	0-70°C	.83	.66	.58	.54
♦ 698—CAT24WC33JI	SOIC-8	32K (4K X 8)	-40-85°C	.89	.71	.62	.58
698—CAT24WC65P	PDIP-8	64K (8K X 8)	0-70°C	1.19	.95	.83	.77
698—CAT24WC65PI	PDIP-8	64K (8K X 8)	-40-85°C	1.29	1.03	.90	.83
♦ 698—CAT24WC65J	SOIC-8	64K (8K X 8)	0-70°C	1.19	.95	.83	.77
♦ 698—CAT24WC65JI	SOIC-8	64K (8K X 8)	-40-85°C	1.29	1.03	.90	.83
♦ 698—CAT24WC65K	SOIC-8	64K (8K X 8)	0-70°C	1.19	.95	.83	.77
♦ 698—CAT24WC65KI	SOIC-8	64K (8K X 8)	-40-85°C	1.29	1.03	.90	.83
698—CAT24WC129P	PDIP-8	128K (16K X 8)	0-70°C	1.92	1.53	1.34	1.24
♦ 698—CAT24WC129PI	PDIP-8	128K (16K X 8)	-40-85°C	2.02	1.61	1.41	1.31
♦ 698—CAT24WC129J	SOIC-8	128K (16K X 8)	0-70°C	1.92	1.53	1.34	1.24
698—CAT24WC129JI	SOIC-8	128K (16K X 8)	-40-85°C	2.02	1.61	1.41	1.31
698—CAT24WC257P	PDIP-8	256K (32K X 8)	0-70°C	2.71	2.16	1.89	1.76
698—CAT24WC257PI	PDIP-8	256K (32K X 8)	-40-85°C	2.81	2.24	1.96	1.82
♦ 698—CAT24WC257K	SOIC-8	256K (32K X 8)	0-70°C	2.71	2.16	1.89	1.76
♦ 698—CAT24WC257KI	SOIC-8	256K (32K X 8)	-40-85°C	2.81	2.24	1.96	1.82
♦ 698—CAT24WC257KA	SOIC-8	256K (32K X 8)	-40-105°C	4.24	3.39	2.96	2.75

♦ Surface Mount — For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part Number	Package	Density (Org)	Temp Range	Price Each 1	25	100	250
Zero Standby I²C Bus Full Array Write Protect-1.8-6.0 Volt							
698—CAT24WC01P-1.8	PDIP-8	1K (128 x 8)	0-70° C	.53	.42	.37	.34
698—CAT24WC01PI-1.8	PDIP-8	1K (128 x 8)	-40-85° C	.63	.51	.44	.41
♦ 698—CAT24WC01J-1.8	SOIC-8	1K (128x 8)	0-70° C	.56	.44	.39	.36
♦ 698—CAT24WC01JI-1.8	SOIC-8	1K (128 x 8)	-40-85° C	.67	.53	.47	.43
698—CAT24WC02P-1.8	PDIP-8	2K (256 x 8)	0-70° C	.57	.46	.40	.37
698—CAT24WC02PI-1.8	PDIP-8	2K (256 x 8)	-40-85° C	.67	.53	.47	.43
♦ 698—CAT24WC02J-1.8	SOIC-8	2K (256 x 8)	0-70° C	.57	.46	.40	.37
♦ 698—CAT24WC02JI-1.8	SOIC-8	2K (256 x 8)	-40-85° C	.67	.53	.47	.43
♦ 698—CAT24WC02UI-1.8	TSSOP-8	2K (256 x 8)	-40-85° C	.78	.62	.54	.50
698—CAT24WC04P-1.8	PDIP-8	4K (512 X 8)	0-70° C	.60	.48	.42	.39
698—CAT24WC04PI-1.8	PDIP-8	4K (512 x 8)	-40-85° C	.72	.57	.50	.46
♦ 698—CAT24WC04J-1.8	SOIC-8	4K (512 x 8)	0-70° C	.60	.48	.42	.39
♦ 698—CAT24WC04JI-1.8	SOIC-8	4K (512 x 8)	-40-85° C	.72	.57	.50	.46
♦ 698—CAT24WC04R-1.8	MSOP-8	4K (512 x 8)	0-70° C	.80	.64	.56	.52
♦ 698—CAT24WC04U-1.8	TSSOP-8	4K (512 x 8)	0-70° C	.80	.64	.56	.52
♦ 698—CAT24WC04UI-1.8	TSSOP-8	4K (512 x 8)	-40-85° C	.91	.72	.63	.59
698—CAT24WC08P-1.8	PDIP-8	8K (1K x 8)	0-70° C	.70	.56	.49	.45
♦ 698—CAT24WC08J-1.8	SOIC-8	8K (1K x 8)	0-70° C	.70	.56	.49	.45
♦ 698—CAT24WC08JI-1.8	SOIC-8	8K (1K x 8)	-40-85° C	.80	.64	.56	.52
698—CAT24WC16P-1.8	PDIP-8	16K (2K x 8)	0-70° C	.86	.69	.60	.56
♦ 698—CAT24WC16J-1.8	SOIC-8	16K (2K x 8)	0-70° C	.86	.69	.60	.56
♦ 698—CAT24WC16JI-1.8	SOIC-8	16K (2K x 8)	-40-85° C	.97	.78	.68	.63
698—CAT24WC32P-1.8	PDIP-8	32K (4K x 8)	0-70° C	1.13	.90	.79	.73
698—CAT24WC32PI-1.8	PDIP-8	32K (4K x 8)	-40-85° C	1.23	.98	.86	.80
♦ 698—CAT24WC32J-1.8	SOIC-8	32K (4K x 8)	0-70° C	1.13	.90	.79	.73
♦ 698—CAT24WC32JI-1.8	SOIC-8	32K (4K x 8)	-40-85° C	1.23	.98	.86	.80
698—CAT24WC64P-1.8	PDIP-8	64K (8K x 8)	0-70° C	1.56	1.25	1.09	1.01
698—CAT24WC64PI-1.8	PDIP-8	64K (8K x 8)	-40-85° C	1.68	1.34	1.17	1.09
♦ 698—CAT24WC64J-1.8	SOIC-8	64K (8K x 8)	0-70° C	1.56	1.25	1.09	1.01
♦ 698—CAT24WC64JI-1.8	SOIC-8	64K (8K x 8)	-40-85° C	1.68	1.34	1.17	1.09
698—CAT24WC128P-1.8	PDIP-8	128K (16K x 8)	0-70° C	2.56	2.04	1.79	1.66
698—CAT24WC128PI-1.8	PDIP-8	128K (16K x 8)	-40-85° C	2.65	2.12	1.85	1.72
♦ 698—CAT24WC128JI-1.8	SOIC-8	128K (16K x 8)	-40-85° C	2.65	2.12	1.85	1.72
♦ 698—CAT24WC128KI-1.8	SOIC-8	128K (16K x 8)	-40-85° C	2.65	2.12	1.85	1.72
698—CAT24WC256P-1.8	PDIP-8	256K (32K x 8)	0-70° C	3.48	2.79	2.44	2.26
698—CAT24WC256PI-1.8	PDIP-8	256K (32K x 8)	-40-85° C	3.60	2.88	2.52	2.34
♦ 698—CAT24WC256KI-1.8	SOIC-8	256K (32K x 8)	-40-85° C	3.60	2.88	2.52	2.34
Zero Standby I²C Bus Full Array Write Protect-2.5-6.0 Volt							
698—CAT24WC01P	PDIP-8	1K (128 x 8)	0-70° C	.42	.33	.29	.27
698—CAT24WC01PI	PDIP-8	1K (128 x 8)	-40-85° C	.48	.38	.34	.31
♦ 698—CAT24WC01J	SOIC-8	1K (128 x 8)	0-70° C	.42	.33	.29	.27
♦ 698—CAT24WC01JI	SOIC-8	1K (128 x 8)	-40-85° C	.48	.38	.34	.31
698—CAT24WC02P	PDIP-8	2K (256 x 8)	0-70° C	.41	.33	.29	.27
698—CAT24WC02PI	PDIP-8	2K (256 x 8)	-40-85° C	.47	.38	.33	.30
698—CAT24WC02PA	PDIP-8	2K (256 x 8)	-40-105° C	.65	.52	.45	.42
♦ 698—CAT24WC02J	SOIC-8	2K (256 x 8)	0-70° C	.41	.33	.29	.27
♦ 698—CAT24WC02JI	SOIC-8	2K (256 x 8)	-40-85° C	.47	.38	.33	.30
♦ 698—CAT24WC02JA	SOIC-8	2K (256 x 8)	-40-105° C	.68	.55	.48	.44
♦ 698—CAT24WC02R	MSOP-8	2K (256 x 8)	0-70° C	.51	.40	.35	.33
♦ 698—CAT24WC02RI	MSOP-8	2K (256 x 8)	-40-85° C	.57	.46	.40	.37
♦ 698—CAT24WC02U	TSSOP-8	2K (256 x 8)	0-70° C	.51	.40	.35	.33
♦ 698—CAT24WC02UI	TSSOP-8	2K (256 x 8)	-40-85° C	.57	.46	.40	.37
698—CAT24WC04P	PDIP-8	4K (512 x 8)	0-70° C	.42	.33	.29	.27
698—CAT24WC04PI	PDIP-8	4K (512 x 8)	-40-85° C	.48	.38	.33	.31
698—CAT24WC04PA	PDIP-8	4K (512 x 8)	-40-105° C	.75	.60	.52	.48
♦ 698—CAT24WC04J	SOIC-8	4K (512 x 8)	0-70° C	.42	.33	.29	.27

MOUSER ELECTRONICS a ttl company

ATALYST SERIAL EEPROMS (CONT.)

◆ Surface Mount Device

AT24WC Common Features:
- 1.8 to 6.0 Volt Operation
- Low Power CMOS Technology
- Self-timed Write Cycle with Audio-Clear
- Commercial, industrial, and automotive temperature ranges
- 100,000 program/erase cycles
- 100 Year Data Retention

CAT24WC01/02/04/08/16 Series Features:
- 400kHz I²C Bus Compatible
- Write protect feature: Entire array protected when WP at VIH
- Page write buffer

CAT24WC32/64 Series Features:
- 400KHz I²C Bus Compatible
- Cascadable for up to Eight Devices
- 32-Byte Page with Write Buffer
- Schmitt trigger Inputs for noise protection
- Write Protection: Entire array protected when WP at VIH

CAT24WC128 Series Features:
- 1MHz I²C Bus Compatible
- 64-Byte Page with Write Buffer
- Write Protection: Entire array protected when WP at VIH

CAT24WC256 Series Features:
- 1MHz I²C Bus Compatible
- 64-Byte Page with Write Buffer
- Write Protection: Entire array protected when WP at VIH

CAT93C Series Microwire Bus Common Features:
- Low Power CMOS technology
- 1.8 to 6.0 volt operation
- Selectable x8 or x16 memory organization
- Self-timed write cycle with auto-clear
- 1,000,000 program/erase cycles
- 100 Year Data Retention
- Commercial, Industrial and automotive temperature ranges

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Density (Org)	Temp Range	Price Each 1	25	100	250
Zero Standby I²C Bus Full Array Write Protect-2.5-6.0 Volt (Cont.)								
698	CAT24WC04JA	SOIC-8	4K (512 x 8)	-40 - 105° C	.75	.60	.52	.48
698	CAT24WC08P	PDIP-8	8K (1K x 8)	0 - 70° C	.48	.38	.33	.31
698	CAT24WC08PI	PDIP-8	8K (1K x 8)	-40 - 85° C	.54	.43	.38	.35
698	CAT24WC08PA	PDIP-8	8K (1K x 8)	-40 - 105° C	.88	.70	.61	.57
698	CAT24WC08J	SOIC-8	8K (1K x 8)	0 - 70° C	.48	.38	.33	.31
698	CAT24WC08JI	SOIC-8	8K (1K x 8)	-40 - 85° C	.54	.43	.38	.35
698	CAT24WC16P	PDIP-8	16K (2K x 8)	0 - 70° C	.61	.49	.43	.40
698	CAT24WC16PI	PDIP-8	16K (2K x 8)	-40 - 85° C	.67	.54	.47	.43
698	CAT24WC16PA	PDIP-8	16K (2K x 8)	-40 - 105° C	1.07	.85	.75	.69
698	CAT24WC16J	SOIC-8	16K (2K x 8)	0 - 70° C	.61	.49	.43	.40
698	CAT24WC16JI	SOIC-8	16K (2K x 8)	-40 - 85° C	.67	.54	.47	.43
698	CAT24WC16JA	SOIC-8	16K (2K x 8)	-40 - 105° C	1.07	.85	.75	.69
698	CAT24WC32P	PDIP-8	32K (4K x 8)	0 - 70° C	.83	.66	.58	.54
698	CAT24WC32PI	PDIP-8	32K (4K x 8)	-40 - 85° C	.89	.71	.62	.58
698	CAT24WC32J	SOIC-8	32K (4K x 8)	0 - 70° C	.83	.66	.58	.54
698	CAT24WC32JI	SOIC-8	32K (4K x 8)	-40 - 85° C	.89	.71	.62	.58
698	CAT24WC32K	SOIC-8	32K (4K x 8)	0 - 70° C	.83	.66	.58	.54
698	CAT24WC32KI	SOIC-8	32K (4K x 8)	-40 - 85° C	.89	.71	.62	.58
698	CAT24WC64P	PDIP-8	64K (8K x 8)	0 - 70° C	1.19	.95	.83	.77
698	CAT24WC64PI	PDIP-8	64K (8K x 8)	-40 - 85° C	1.29	1.03	.90	.83
698	CAT24WC64J	SOIC-8	64K (8K x 8)	0 - 70° C	1.19	.95	.83	.77
698	CAT24WC64JI	SOIC-8	64K (8K x 8)	-40 - 85° C	1.29	1.03	.90	.83
698	CAT24WC64K	SOIC-8	64K (8K x 8)	0 - 70° C	1.19	.95	.83	.77
698	CAT24WC64KI	SOIC-8	64K (8K x 8)	-40 - 85° C	1.29	1.03	.90	.83
698	CAT24WC128P	PDIP-8	128K (16K x 8)	0 - 70° C	1.92	1.53	1.34	1.24
698	CAT24WC128PI	PDIP-8	128K (16K x 8)	-40 - 85° C	2.02	1.61	1.41	1.31
698	CAT24WC128J	SOIC-8	128K (16K x 8)	0 - 70° C	1.92	1.53	1.34	1.24
698	CAT24WC128JI	SOIC-8	128K (16K x 8)	-40 - 85° C	2.02	1.61	1.41	1.31
698	CAT24WC128KI	SOIC-8	128K (16K x 8)	-40 - 85° C	2.02	1.61	1.41	1.31
698	CAT24WC256P	PDIP-8	256K (32K x 8)	0 - 70° C	2.71	2.16	1.89	1.76
698	CAT24WC256PI	PDIP-8	256K (32K x 8)	-40 - 85° C	2.81	2.24	1.96	1.82
698	CAT24WC256K	SOIC-8	256K (32K x 8)	0 - 70° C	2.71	2.16	1.89	1.76
698	CAT24WC256KI	SOIC-8	256K (32K x 8)	-40 - 85° C	2.81	2.24	1.96	1.82
698	CAT24WC256KA	SOIC-8	256K (32K x 8)	-40 - 105° C	4.24	3.39	2.96	2.75
Microwire Bus 1.8-6.0 Volt								
698	CAT93C46J-1.8	SOIC-8	1K (64x16/128x8)	0 - 70° C	.52	.42	.36	.34
698	CAT93C46JI-1.8	SOIC-8	1K (64x16/128x8)	-40 - 85° C	.62	.49	.43	.40
698	CAT93C46K-1.8	SOIC-8	1K (64x16/128x8)	0 - 70° C	.52	.42	.36	.34
698	CAT93C46KI-1.8	SOIC-8	1K (64x16/128x8)	-40 - 85° C	.62	.49	.43	.40
698	CAT93C46S-1.8	SOIC-8	1K (64x16/128x8)	0 - 70° C	.52	.42	.36	.34
698	CAT93C46SI-1.8	SOIC-8	1K (64x16/128x8)	-40 - 85° C	.62	.49	.43	.40
698	CAT93C46U-1.8	TSSOP-8	1K (64x16/128x8)	0 - 70° C	.64	.51	.44	.41
698	CAT93C46UI-1.8	TSSOP-8	1K (64x16/128x8)	-40 - 85° C	.73	.58	.51	.47
698	CAT93HC46J-1.8	SOIC-8	1K (64x16/128x8)	0 - 70° C	.56	.45	.39	.36
698	CAT93HC46K-1.8	SOIC-8	1K (64x16/128x8)	0 - 70° C	.56	.45	.39	.36
698	CAT93HC46P-1.8	PDIP-8	1K (64x16/128x8)	0 - 70° C	.56	.45	.39	.36
698	CAT93HC46S-1.8	SOIC-8	1K (64x16/128x8)	0 - 70° C	.56	.45	.39	.36
698	CAT93HC46U-1.8	TSSOP-8	1K (64x16/128x8)	0 - 70° C	.68	.55	.48	.44
698	CAT93C56J-1.8	SOIC-8	2K (128x16/256x8)	0 - 70° C	.60	.48	.42	.39
698	CAT93C56JI-1.8	SOIC-8	2K (128x16/256x8)	-40 - 85° C	.70	.56	.49	.45
698	CAT93C56K-1.8	SOIC-8	2K (128x16/256x8)	0 - 70° C	.60	.48	.42	.39
698	CAT93C56KI-1.8	SOIC-8	2K (128x16/256x8)	-40 - 85° C	.70	.56	.49	.45
698	CAT93C56P-1.8	PDIP-8	2K (128x16/256x8)	0 - 70° C	.60	.48	.42	.39
698	CAT93C56S-1.8	SOIC-8	2K (128x16/256x8)	0 - 70° C	.60	.48	.42	.39
698	CAT93C56SI-1.8	SOIC-8	2K (128x16/256x8)	-40 - 85° C	.70	.56	.49	.45
698	CAT93C56U-1.8	TSSOP-8	2K (128x16/256x8)	0 - 70° C	.70	.56	.49	.45
698	CAT93C57J-1.8	SOIC-8	2K(128x16/256x8)	0 - 70°C	.60	.48	.42	.39
698	CAT93C57JI-1.8	SOIC-8	2K(128x16/256x8)	-40 - 85°C	.70	.56	.49	.45
698	CAT93C57P-1.8	PDIP-8	2K(128x16/256x8)	0 - 70°C	.60	.48	.42	.39
698	CAT93C57S-1.8	SOIC-8	2K(128x16/256x8)	0 - 70°C	.60	.48	.42	.39
698	CAT93C66J-1.8	SOIC-8	4K(256x16/512x8)	0 - 70°C	.75	.60	.52	.48
698	CAT93C66K-1.8	SOIC-8	4K(256x16/512x8)	0 - 70°C	.75	.60	.52	.48
698	CAT93C66P-1.8	PDIP-8	4K(256x16/512x8)	0 - 70°C	.75	.60	.52	.48
698	CAT93C66PI-1.8	PDIP-8	4K(256x16/512x8)	-40 - 85°C	.86	.68	.60	.55
698	CAT93C66S-1.8	SOIC-8	4K(256x16/512x8)	0 - 70°C	.75	.60	.52	.48
698	CAT93C66SI-1.8	SOIC-8	4K(256x16/512x8)	-40 - 85°C	.86	.68	.60	.55
698	CAT93C66U-1.8	TSSOP-8	4K(256x16/512x8)	0 - 70°C	.86	.69	.60	.56
698	CAT93C86P-1.8	PDIP-8	16K(1Kx16/2Kx8)	0 - 70°C 1	.50	.84	.73	.68
Microwire Bus 2.5-6.0 Volt								
698	CAT93C46J	SOIC-8	1K(64x16/128x8)	0 - 70°C	.41	.33	.29	.27
698	CAT93C46JI	SOIC-8	1K(64x16/128x8)	-40 - 85°C	.48	.38	.33	.31
698	CAT93C46JA	SOIC-8	1K(64x16/128x8)	-40 - 105°C	.62	.49	.43	.40
698	CAT93C46K	SOIC-8	1K(64x16/128x8)	0 - 70°C	.41	.33	.29	.27
698	CAT93C46KI	SOIC-8	1K(64x16/128x8)	-40 - 85°C	.48	.38	.33	.31
698	CAT93C46P	PDIP-8	1K(64x16/128x8)	0 - 70°C	.41	.33	.29	.27
698	CAT93C46PI	PDIP-8	1K(64x16/128x8)	-40 - 85°C	.48	.38	.33	.31
698	CAT93C46PA	PDIP-8	1K(64x16/128x8)	-40 - 105°C	.62	.49	.43	.40
698	CAT93C46S	SOIC-8	1K(64x16/128x8)	0 - 70°C	.41	.33	.29	.27
698	CAT93C46SI	SOIC-8	1K(64x16/128x8)	-40 - 85°C	.48	.38	.33	.31

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Density (Org)	Temp Range	Price Each 1	25	100	250
Microwire Bus 2.5-6.0 Volt (Cont.)								
◆ 698	CAT93C46SA	SOIC-8	1K(64X16/128X8)	-40 - 105°C	.62	.49	.43	.40
◆ 698	CAT93C46U	TSSOP-8	1K(64X16/128X8)	0 - 70°C	.51	.40	.35	.33
◆ 698	CAT93C46UI	TSSOP-8	1K(64X16/128X8)	-40 - 85°C	.57	.46	.40	.37
◆ 698	CAT93HC46J	SOIC-8	1K(64X16/128X8)	0 - 70°C	.44	.35	.31	.29
◆ 698	CAT93HC46JI	SOIC-8	1K(64X16/128X8)	-40 - 85°C	.51	.41	.36	.33
◆ 698	CAT93HC46K	SOIC-8	1K(64X16/128X8)	0 - 70°C	.44	.35	.31	.29
◆ 698	CAT93HC46KI	SOIC-8	1K(64X16/128X8)	-40 - 85°C	.51	.41	.36	.33
698	CAT93HC46PI	PDIP-8	1K(64X16/128X8)	-40 - 85°C	.51	.41	.36	.33
◆ 698	CAT93HC46S	SOIC-8	1K(64X16/128X8)	0 - 70°C	.44	.35	.31	.29
◆ 698	CAT93HC46SI	SOIC-8	1K(64X16/128X8)	-40 - 85°C	.51	.41	.36	.33
◆ 698	CAT93HC46U	TSSOP-8	1K(64X16/128X8)	0 - 70°C	.55	.44	.38	.35
◆ 698	CAT93HC46UI	TSSOP-8	1K(64X16/128X8)	-40 - 85°C	.61	.49	.43	.40
◆ 698	CAT93C56J	SOIC-8	2K(128X16/256X8)	0 - 70°C	.48	.38	.33	.31
◆ 698	CAT93C56JI	SOIC-8	2K(128X16/256X8)	-40 - 85°C	.54	.43	.37	.35
◆ 698	CAT93C56JA	SOIC-8	2K(128X16/256X8)	-40 - 105°C	.72	.57	.50	.46
◆ 698	CAT93C56K	SOIC-8	2K(128X16/256X8)	0 - 70°C	.48	.38	.33	.31
◆ 698	CAT93C56KI	SOIC-8	2K(128X16/256X8)	-40 - 85°C	.54	.43	.37	.35
698	CAT93C56P	PDIP-8	2K(128X16/256X8)	0 - 70°C	.48	.38	.33	.31
698	CAT93C56PI	PDIP-8	2K(128X16/256X8)	-40 - 85°C	.54	.43	.37	.35
◆ 698	CAT93C56S	SOIC-8	2K(128X16/256X8)	0 - 70°C	.48	.38	.33	.31
◆ 698	CAT93C56SI	SOIC-8	2K(128X16/256X8)	-40 - 85°C	.54	.43	.37	.35
◆ 698	CAT93C56SA	SOIC-8	2K(128X16/256X8)	-40 - 105°C	.72	.57	.50	.46
◆ 698	CAT93C56U	TSSOP-8	2K(128X16/256X8)	0 - 70°C	.57	.46	.40	.37
◆ 698	CAT93C56UI	TSSOP-8	2K(128X16/256X8)	-40 - 85°C	.60	.48	.42	.39
◆ 698	CAT93C57J	SOIC-8	2K(128X16/256X8)	0 - 70°C	.48	.38	.33	.31
◆ 698	CAT93C57JI	SOIC-8	2K(128X16/256X8)	-40 - 85°C	.54	.43	.37	.35
◆ 698	CAT93C57K	SOIC-8	2K(128X16/256X8)	0 - 70°C	.48	.38	.33	.31
◆ 698	CAT93C57KI	SOIC-8	2K(128X16/256X8)	-40 - 85°C	.54	.43	.37	.35
◆ 698	CAT93C57KA	SOIC-8	2K(128X16/256X8)	-40 - 105°C	.72	.57	.50	.46
698	CAT93C57P	PDIP-8	2K(128X16/256X8)	0 - 70°C	.48	.38	.33	.31
698	CAT93C57PI	PDIP-8	2K(128X16/256X8)	-40 - 85°C	.54	.43	.37	.35
698	CAT93C57PA	PDIP-8	2K(128X16/256X8)	-40 - 105°C	.72	.57	.50	.46
◆ 698	CAT93C57S	SOIC-8	2K(128X16/256X8)	0 - 70°C	.48	.38	.33	.31
◆ 698	CAT93C57SI	SOIC-8	2K(128X16/256X8)	-40 - 85°C	.54	.43	.37	.35
◆ 698	CAT93C57SA	SOIC-8	2K(128X16/256X8)	-40 - 105°C	.72	.57	.50	.46
◆ 698	CAT93C57U	TSSOP-8	2K(128X16/256X8)	0 - 70°C	.57	.46	.40	.37
◆ 698	CAT93C66J	SOIC-8	4K(256X16/512X8)	0 - 70°C	.60	.48	.42	.39
◆ 698	CAT93C66JI	SOIC-8	4K(256X16/512X8)	-40 - 85°C	.66	.52	.46	.42
◆ 698	CAT93C66K	SOIC-8	4K(256X16/512X8)	0 - 70°C	.60	.48	.42	.39
◆ 698	CAT93C66KI	SOIC-8	4K(256X16/512X8)	-40 - 85°C	.66	.52	.46	.42
698	CAT93C66P	PDIP-8	4K(256X16/512X8)	0 - 70°C	.60	.48	.42	.39
698	CAT93C66PI	PDIP-8	4K(256X16/512X8)	-40 - 85°C	.66	.52	.46	.42
◆ 698	CAT93C66S	SOIC-8	4K(256X16/512X8)	0 - 70°C	.60	.48	.42	.39
◆ 698	CAT93C66SI	SOIC-8	4K(256X16/512X8)	-40 - 85°C	.66	.52	.46	.42
◆ 698	CAT93C66SA	SOIC-8	4K(256X16/512X8)	-40 - 105°C	.90	.72	.63	.58
698	CAT93C86P	PDIP-8	16K(1KX16/2KX8)	0 - 70°C	.84	.67	.58	.54
698	CAT93C86PI	PDIP-8	16K(1KX16/2KX8)	-40 - 85°C	.90	.72	.63	.58
◆ 698	CAT93C86S	SOIC-8	16K(1KX16/2KX8)	0 - 70°C	.84	.67	.58	.54
◆ 698	CAT93C86SI	SOIC-8	16K(1KX16/2KX8)	-40 - 85°C	.90	.72	.63	.58
◆ 698	CAT93C86SA	SOIC-8	16K(1KX16/2KX8)	-40 - 105°C	1.26	1.00	.88	.81
Zero Standby SPI Bus 1.8-6.0 Volt								
698	CAT25010P-1.8	PDIP-8	1K(128 X 8)	0 - 70°C	.53	.43	.37	.34
◆ 698	CAT25010S-1.8	SOIC-8	1K(128 X 8)	0 - 70°C	.53	.43	.37	.34
698	CAT25C01P-1.8	PDIP-8	1K(128 X 8)	0 - 70°C	.53	.43	.37	.34
◆ 698	CAT25C01S-1.8	SOIC-8	1K(128 X 8)	0 - 70°C	.56	.44	.39	.36
698	CAT25C11P-1.8	PDIP-8	1K(128 X 8)	0 - 70°C	.53	.43	.37	.34
◆ 698	CAT25C11S-1.8	SOIC-8	1K(128 X 8)	0 - 70°C	.53	.43	.37	.34
698	CAT25020P-1.8	PDIP-8	2K(256 X 8)	0 - 70°C	.55	.44	.38	.36
◆ 698	CAT25020S-1.8	SOIC-8	2K(256 X 8)	0 - 70°C	.55	.44	.38	.36
◆ 698	CAT25C02S-1.8	SOIC-8	2K(256 X 8)	0 - 70°C	.57	.46	.40	.37
◆ 698	CAT25C02SI-1.8	SOIC-8	2K(256 X 8)	-40 - 85°C	.67	.53	.47	.43
◆ 698	CAT25C02U-1.8	TSSOP-8	2K(256 X 8)	0 - 70°C	.67	.53	.47	.43
◆ 698	CAT25C02UI-1.8	TSSOP-8	2K(256 X 8)	-40 - 85°C	.78	.62	.54	.50
698	CAT25040P-1.8	PDIP-8	4K(512 X 8)	0 - 70°C	.57	.46	.40	.37
◆ 698	CAT25040S-1.8	SOIC-8	4K(512 X 8)	0 - 70°C	.57	.46	.40	.37
◆ 698	CAT25040SI-1.8	SOIC-8	4K(512 X 8)	-40 - 85°C	.72	.57	.50	.46
698	CAT25C04P-1.8	PDIP-8	4K(512 X 8)	0 - 70°C	.60	.48	.42	.39
◆ 698	CAT25C04S-1.8	SOIC-8	4K(512 X 8)	0 - 70°C	.60	.48	.42	.39
◆ 698	CAT25C04SI-1.8	SOIC-8	4K(512 X 8)	-40 - 85°C	.72	.57	.50	.46
◆ 698	CAT25C04U-1.8	TSSOP-8	4K(512 X 8)	0 - 70°C	.80	.64	.56	.52
698	CAT25C05P-1.8	PDIP-8	4K(512 X 8)	0 - 70°C	.60	.48	.42	.39
◆ 698	CAT25C05S-1.8	SOIC-8	4K(512 X 8)	0 - 70°C	.60	.48	.42	.39
◆ 698	CAT25C05SI-1.8	SOIC-8	4K(512 X 8)	-40 - 85°C	.72	.57	.50	.46

CATALYST Serial EEPROM's

CATALYST SEMICONDUCTOR, INC.

SERIES FEATURES: CAT93C MICROWIRE BUS

CAT93C46/56/57/66/86
- High speed operation:
  - 93C46/56/57/66: 1MHz
  - 93C86: 3MHz
- Selectable x8 or x16 memory organization
- Hardware and software write protection
- Power-up inadvertent write protection
- Sequential read (except CAT93C46)
- Program enable (PE) pin (CAT93C86 only)

CAT25C01/02/04/08/16
- CAT25C01/02/04/08/16
- 10 MHz SPI compatible
- 16/32-byte page write buffer
- Block write protection: Protect 1/4, 1/2 or all of EEPROM array

CAT25C11/03/05/09/17
- 10 MHz SPI compatible
- 16/32-byte page write buffer
- Write protection: Protect first page, last page, any 1/4 array or lower 1/2 array

COMMON FEATURES: CAT25Cxx, CAT250xx ZERO STANDBY SPI BUS
- Low power CMOS technology
- 1.8 to 6.0 volt operation
- Zero standby current
- Hardware and software protection
- SPI modes (0,0 & 1,1)
- Commercial, industrial, automotive and extended temperature ranges
- 1,000,000 program/erase cycles
- 100 year data retention
- Self-timed write cycle

CAT25C32/64
- 10 MHz SPI compatible
- 64-Byte page write buffer
- Block write protection: Protect 1/4, 1/2 or all of EEPROM array

CAT25C33/65
- 10 MHz SPI compatible
- 64-byte page write buffer
- Block write protection: Protect first page, last page, any 1/4 or lower 1/2 of EEPROM array

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part Number	Package	Density	Organization	Temp Range	Price Each 1	25	100	250
Zero Standby SPI Bus 1.8-6.0 Volt (Con't)								
698—CAT25C08P-1.8	PDIP-8	8K	(1K X 8)	0-70°C	.70	.56	.49	.45
698—CAT25C08PI-1.8	PDIP-8	8K	(1K X 8)	-40-85°C	.80	.64	.56	.52
◆ 698—CAT25C08S-1.8	SOIC-8	8K	(1K X 8)	0-70°C	.70	.56	.49	.45
◆ 698—CAT25C08SI-1.8	SOIC-8	8K	(1K X 8)	-40-85°C	.80	.64	.56	.52
◆ 698—CAT25C08U-1.8	TSSOP-8	8K	(1K X 8)	0-70°C	.78	.62	.54	.50
◆ 698—CAT25C08UI-1.8	TSSOP-8	8K	(1K X 8)	-40-85°C	.88	.70	.61	.57
◆ 698—CAT25C08U14-1.8	TSSOP-8	8K	(1K X 8)	0-70°C	.83	.66	.58	.54
698—CAT25C09P-1.8	PDIP-8	8K	(1K X 8)	0-70°C	.70	.56	.49	.45
698—CAT25C09PI-1.8	PDIP-8	8K	(1K X 8)	-40-85°C	.80	.64	.56	.52
◆ 698—CAT25C09S-1.8	SOIC-8	8K	(1K X 8)	0-70°C	.70	.56	.49	.45
698—CAT25C16P-1.8	PDIP-8	16K	(2K X 8)	0-70°C	.86	.69	.60	.56
698—CAT25C16PI-1.8	PDIP-8	16K	(2K X 8)	-40-85°C	.97	.78	.68	.63
◆ 698—CAT25C16S-1.8	SOIC-8	16K	(2K X 8)	0-70°C	.86	.69	.60	.56
◆ 698—CAT25C16SI-1.8	SOIC-8	16K	(2K X 8)	-40-85°C	.97	.78	.68	.63
◆ 698—CAT25C16U-1.8	TSSOP-8	16K	(2K X 8)	0-70°C	.94	.75	.66	.61
◆ 698—CAT25C16UI-1.8	TSSOP-8	16K	(2K X 8)	-40-85°C	1.07	.85	.75	.69
◆ 698—CAT25C16U14-1.8	TSSOP-14	16K	(2K X 8)	0-70°C	1.00	.80	.70	.65
◆ 698—CAT25C16U14I-1.8	TSSOP-14	16K	(2K X 8)	-40-85°C	1.12	.89	.78	.72
698—CAT25C17P-1.8	PDIP-8	16K	(2K X 8)	0-70°C	.94	.75	.66	.61
698—CAT25C17PI-1.8	PDIP-8	16K	(2K X 8)	-40-85°C	1.07	.85	.75	.69
◆ 698—CAT25C17S-1.8	SOIC-8	16K	(2K X 8)	0-70°C	.94	.75	.66	.61
◆ 698—CAT25C17SI-1.8	SOIC-8	16K	(2K X 8)	-40-85°C	1.07	.85	.75	.69
◆ 698—CAT25C17U-1.8	TSSOP-8	16K	(2K X 8)	0-70°C	.94	.75	.66	.61
◆ 698—CAT25C17UI-1.8	TSSOP-8	16K	(2K X 8)	-40-85°C	1.07	.85	.75	.69
◆ 698—CAT25C17U14-1.8	TSSOP-14	16K	(2K X 8)	0-70°C	1.00	.80	.70	.65
◆ 698—CAT25C17U14I-1.8	TSSOP-14	16K	(2K X 8)	-40-85°C	1.12	.89	.78	.72
698—CAT25C32P-1.8	PDIP-8	32K	(4K X 8)	0-70°C	1.13	.90	.79	.73
◆ 698—CAT25C32S-1.8	SOIC-8	32K	(4K X 8)	0-70°C	1.13	.90	.79	.73
◆ 698—CAT25C32SI-1.8	SOIC-8	32K	(4K X 8)	-40-85°C	1.23	.98	.86	.80
698—CAT25C33P-1.8	PDIP-8	32K	(4K X 8)	0-70°C	1.13	.90	.79	.73
◆ 698—CAT25C33S-1.8	SOIC-8	32K	(4K X 8)	0-70°C	1.13	.90	.79	.73
698—CAT25C64P-1.8	PDIP-8	64K	(8K X 8)	0-70°C	1.56	1.25	1.09	1.01
698—CAT25C64PI-1.8	PDIP-8	64K	(8K X 8)	-40-85°C	1.68	1.34	1.17	1.09
◆ 698—CAT25C64S-1.8	SOIC-8	64K	(8K X 8)	0-70°C	1.56	1.25	1.09	1.01
◆ 698—CAT25C64U20-1.8	TSSOP-20	64K	(8K X 8)	0-70°C	2.20	1.76	1.54	1.43
◆ 698—CAT25C64U20I-1.8	TSSOP-20	64K	(8K X 8)	-40-85°C	1.82	1.45	1.27	1.18
698—CAT25C65P-1.8	PDIP-8	64K	(8K X 8)	0-70°C	1.56	1.25	1.09	1.01
◆ 698—CAT25C65S-1.8	SOIC-8	64K	(8K X 8)	0-70°C	1.56	1.25	1.09	1.01
698—CAT25C128P-1.8	PDIP-8	128K	(16K X 8)	0-70°C	2.56	2.04	1.79	1.66
◆ 698—CAT25C128SI-1.8	SOIC-8	128K	(16K X 8)	-40-85°C	2.65	2.12	1.85	1.72
698—CAT25C256P-1.8	PDIP-8	256K	(32K X 8)	0-70°C	3.48	2.79	2.44	2.26
698—CAT25C256PI-1.8	PDIP-8	256K	(32K X 8)	-40-85°C	3.60	2.88	2.52	2.34
◆ 698—CAT25C256K-1.8	SOIC-8	256K	(32K X 8)	0-70°C	3.50	2.80	2.45	2.27
◆ 698—CAT25C256KI-1.8	SOIC-8	256K	(32K X 8)	-40-85°C	3.60	2.88	2.52	2.34
Zero Standby SPI Bus 2.5-6.0 Volt								
698—CAT25010P	PDIP-8	1K	(128 X 8)	0-70°C	.44	.35	.31	.29
698—CAT25010PI	PDIP-8	1K	(128 X 8)	-40-85°C	.51	.41	.36	.33
◆ 698—CAT25010S	SOIC-8	1K	(128 X 8)	0-70°C	.44	.35	.31	.29
◆ 698—CAT25010SI	SOIC-8	1K	(128 X 8)	-40-85°C	.51	.41	.36	.33
698—CAT25C01P	PDIP-8	1K	(128 X 8)	0-70°C	.42	.33	.29	.27
698—CAT25C01PI	PDIP-8	1K	(128 X 8)	-40-85°C	.48	.38	.34	.31
◆ 698—CAT25C01S	SOIC-8	1K	(128 X 8)	0-70°C	.42	.33	.29	.27
◆ 698—CAT25C01SI	SOIC-8	1K	(128 X 8)	-40-85°C	.48	.38	.34	.31
◆ 698—CAT25C01SA	SOIC-8	1K	(128 X 8)	-40-105°C	.64	.51	.45	.42
◆ 698—CAT25C01R	MSOP-8	1K	(128 X 8)	0-70°C	.57	.46	.40	.37
◆ 698—CAT25C01U	TSSOP-8	1K	(128 X 8)	0-70°C	.57	.46	.40	.37
◆ 698—CAT25C01UI	TSSOP-8	1K	(128 X 8)	-40-85°C	.65	.52	.45	.42
698—CAT25C11P	PDIP-8	1K	(128 X 8)	0-70°C	.44	.35	.31	.29
698—CAT25C11PI	PDIP-8	1K	(128 X 8)	-40-85°C	.51	.41	.36	.33
◆ 698—CAT25C11S	SOIC-8	1K	(128 X 8)	0-70°C	.44	.35	.31	.29
◆ 698—CAT25C11SI	SOIC-8	1K	(128 X 8)	-40-85°C	.51	.41	.36	.33
698—CAT64LC10P	PDIP-8	1K	(64 X 16)	0-70°C	.99	.79	.69	.64
698—CAT64LC10PI	PDIP-8	1K	(64 X 16)	-40-85°C	1.11	.89	.78	.72
◆ 698—CAT64LC10J	SOIC-8	1K	(64 X 16)	0-70°C	.99	.79	.69	.64
◆ 698—CAT64LC10JI	SOIC-8	1K	(64 X 16)	-40-85°C	1.11	.89	.78	.72
◆ 698—CAT64LC10S	SOIC-8	1K	(64 X 16)	0-70°C	.99	.79	.69	.64
698—CAT64LC20P	PDIP-8	2K	(128 X 16)	0-70°C	1.20	.96	.84	.78
698—CAT64LC20PI	PDIP-8	2K	(128 X 16)	-40-85°C	1.32	1.06	.92	.86
◆ 698—CAT64LC20J	SOIC-8	2K	(128 X 16)	0-70°C	1.20	.96	.84	.78
◆ 698—CAT64LC20JI	SOIC-8	2K	(128 X 16)	-40-85°C	1.32	1.06	.92	.86
◆ 698—CAT64LC20S	SOIC-8	2K	(128 X 16)	0-70°C	1.20	.96	.84	.78
◆ 698—CAT64LC20SI	SOIC-8	2K	(128 X 16)	-40-85°C	1.32	1.06	.92	.86

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part Number	Package	Density	Organization	Temp Range	Price Each 1	25	100	250
Zero Standby SPI Bus 2.5-6.0 Volt (Con't)								
698—CAT25020P	PDIP-8	2K	(256 X 8)	0-70°C	.46	.37	.32	.3
698- CAT25020PI	PDIP-8	2K	(256 X 8)	-40-85°C	.53	.42	.37	.3
◆ 698—CAT25020S	SOIC-8	2K	(256 X 8)	0-70°C	.46	.37	.32	.3
◆ 698—CAT25020SI	SOIC-8	2K	(256 X 8)	-40-85°C	.53	.42	.37	.3
◆ 698—CAT25020U	TSSOP-8	2K	(256 X 8)	0-70°C	.55	.44	.38	.3
698—CAT25C02P	PDIP-8	2K	(256 X 8)	0-70°C	.41	.33	.29	.2
◆ 698—CAT25C02S	SOIC-8	2K	(256 X 8)	0-70°C	.41	.33	.29	.2
◆ 698—CAT25C02SA	SOIC-8	2K	(256 X 8)	40-105°C	.68	.55	.48	.4
◆ 698—CAT25C02R	MSOP-8	2K	(256 X 8)	0-70°C	.51	.40	.35	.3
◆ 698—CAT25C02U	TSSOP-8	2K	(256 X 8)	0-70°C	.51	.40	.35	.3
◆ 698—CAT25C02UI	TSSOP-8	2K	(256 X 8)	-40-85°C	.57	.46	.40	.3
◆ 698—CAT25C02UA	TSSOP-8	2K	(256 X 8)	-40-105°C	.81	.65	.57	.5
◆ 698—CAT25C03SI	SOIC-8	2K	(256 X 8)	-40-85°C	.47	.38	.33	.3
◆ 698—CAT64LC40J	SOIC-8	4K	(256 X 16)	0-70°C	1.40	1.12	.98	.9
◆ 698—CAT64LC40JI	SOIC-8	4K	(256 X 16)	-40-85°C	1.53	1.22	1.07	.9
698—CAT25040P	PDIP-8	4K	(512 X 8)	0-70°C	.48	.38	.33	.3
698—CAT25040PI	PDIP-8	4K	(512 X 8)	-40-85°C	.55	.44	.38	.3
◆ 698—CAT25040S	SOIC-8	4K	(512 X 8)	0-70°C	.48	.38	.33	.3
◆ 698—CAT25040SI	SOIC-8	4K	(512 X 8)	-40-85°C	.55	.44	.38	.3
◆ 698—CAT25040U	TSSOP-8	4K	(512 X 8)	0-70°C	.57	.46	.40	.3
698—CAT25C04P	PDIP-8	4K	(512 X 8)	0-70°C	.42	.33	.29	.2
698—CAT25C04PI	PDIP-8	4K	(512 X 8)	-40-85°C	.48	.38	.33	.3
◆ 698—CAT25C04S	SOIC-8	4K	(512 X 8)	0-70°C	.42	.33	.29	.2
◆ 698—CAT25C04SI	SOIC-8	4K	(512 X 8)	-40-85°C	.48	.38	.33	.3
◆ 698—CAT25C04SA	SOIC-8	4K	(512 X 8)	40-105°C	.75	.60	.52	.4
◆ 698—CAT25C04U	TSSOP-8	4K	(512 X 8)	0-70°C	.65	.52	.45	.4
698—CAT25C05P	PDIP-8	4K	(512 X 8)	0-70°C	.56	.45	.39	.3
698—CAT25C05PI	PDIP-8	4K	(512 X 8)	-40-85°C	.62	.49	.43	.4
◆ 698—CAT25C05S	SOIC-8	4K	(512 X 8)	0-70°C	.56	.45	.39	.3
◆ 698—CAT25C05SI	SOIC-8	4K	(512 X 8)	-40-85°C	.62	.49	.43	.4
◆ 698—CAT25C05U	TSSOP-8	4K	(512 X 8)	0-70°C	.65	.52	.45	.4
698—CAT25C08P	PDIP-8	8K	(1K X 8)	0-70°C	.48	.38	.33	.3
698—CAT25C08PI	PDIP-8	8K	(1K X 8)	-40-85°C	.54	.43	.38	.3
698—CAT25C08PA	PDIP-8	8K	(1K X 8)	40-105°C	.88	.70	.61	.5
◆ 698—CAT25C08S	SOIC-8	8K	(1K X 8)	0-70°C	.48	.38	.33	.3
◆ 698—CAT25C08SI	SOIC-8	8K	(1K X 8)	-40-85°C	.54	.43	.38	.3
◆ 698—CAT25C08SA	SOIC-8	8K	(1K X 8)	40-105°C	.88	.70	.61	.5
◆ 698—CAT25C08U	TSSOP-8	8K	(1K X 8)	0-70°C	.52	.42	.36	.3
◆ 698—CAT25C08UI	TSSOP-8	8K	(1K X 8)	-40-85°C	.60	.48	.42	.3
◆ 698—CAT25C08U14	TSSOP-14	8K	(1K X 8)	0-70°C	.57	.46	.40	.3
◆ 698—CAT25C08U14I	TSSOP-14	8K	(1K X 8)	-40-85°C	.65	.52	.45	.4
698—CAT25C09P	PDIP-8	8K	(1K X 8)	0-70°C	.48	.38	.33	.3
698—CAT25C09PI	PDIP-8	8K	(1K X 8)	-40-85°C	.54	.43	.38	.3
◆ 698—CAT25C09S	SOIC-8	8K	(1K X 8)	0-70°C	.48	.38	.33	.3
◆ 698—CAT25C09SI	SOIC-8	8K	(1K X 8)	-40-85°C	.54	.43	.38	.3
◆ 698—CAT25C09U	TSSOP-8	8K	(1K X 8)	0-70°C	.52	.42	.36	.3
698—CAT25C16P	PDIP-8	16K	(2K X 8)	0-70°C	.61	.49	.43	.4
698—CAT25C16PI	PDIP-8	16K	(2K X 8)	-40-85°C	.67	.54	.47	.4
◆ 698—CAT25C16S	SOIC-8	16K	(2K X 8)	0-70°C	.61	.49	.43	.4
◆ 698—CAT25C16SI	SOIC-8	16K	(2K X 8)	-40-85°C	.67	.54	.47	.4
◆ 698—CAT25C16SA	SOIC-8	16K	(2K X 8)	-40-105°C	1.07	.85	.75	.6
◆ 698—CAT25C16U	TSSOP-8	16K	(2K X 8)	0-70°C	.68	.55	.48	.4
◆ 698—CAT25C16UI	TSSOP-8	16K	(2K X 8)	-40-85°C	.75	.60	.52	.4
◆ 698—CAT25C16U14	TSSOP-14	16K	(2K X 8)	0-70°C	.68	.55	.48	.4
◆ 698—CAT25C16U14I	TSSOP-14	16K	(2K X 8)	-40-85°C	.80	.64	.56	.5
698—CAT25C17P	PDIP-8	16K	(2K X 8)	0-70°C	.68	.55	.48	.4
698—CAT25C17PI	PDIP-8	16K	(2K X 8)	-40-85°C	.75	.60	.52	.4
◆ 698—CAT25C17S	SOIC-8	16K	(2K X 8)	0-70°C	.68	.55	.48	.4
◆ 698—CAT25C17SI	SOIC-8	16K	(2K X 8)	-40-85°C	.75	.60	.52	.4
◆ 698—CAT25C17U	TSSOP-8	16K	(2K X 8)	0-70°C	.68	.55	.48	.4
◆ 698—CAT25C17U14	TSSOP-14	16K	(2K X 8)	0-70°C	.68	.55	.48	.4
◆ 698—CAT25C17U14I	TSSOP-14	16K	(2K X 8)	-40-85°C	.80	.64	.56	.5
698—CAT25C32P	PDIP-8	32K	(4K X 8)	0-70°C	.83	.66	.58	.5
698—CAT25C32PI	PDIP-8	32K	(4K X 8)	-40-85°C	.89	.71	.62	.5
◆ 698—CAT25C32S	SOIC-8	32K	(4K X 8)	0-70°C	.83	.66	.58	.5
◆ 698—CAT25C32SI	SOIC-8	32K	(4K X 8)	-40-85°C	.89	.71	.62	.5
◆ 698—CAT25C32SA	SOIC-8	32K	(4K X 8)	-40-105°C	1.39	1.11	.97	.9
◆ 698—CAT25C32U14	TSSOP-14	32K	(4K X 8)	0-70°C	.96	.76	.67	.6
◆ 698—CAT25C32U20	TSSOP-20	32K	(4K X 8)	0-70°C	1.00	.80	.70	.6
698—CAT25C33P	PDIP-8	32K	(4K X 8)	0-70°C	.83	.66	.58	.5
698—CAT25C33PI	PDIP-8	32K	(4K X 8)	-40-85°C	.89	.71	.62	.5
◆ 698—CAT25C33S	SOIC-8	32K	(4K X 8)	0-70°C	.83	.66	.58	.5

MOUSER ELECTRONICS a tti company (800) 346-6873

ATALYST SERIAL EEPROMS

T25C128/256 Series Features:
- MHz SPI Compatible
- byte Page write buffer
- ock write protection:
  rotect 1/4, 1/2 or all of EEPROM array

CAT25010/20/40 Series Features:
- 10 MHz SPI Compatible
- 16 byte page write buffer
- Block write protection:
  -Protect 1/4, 1/2 or all of EEPROM array

CAT64LC10/20/40 Series Features:
- Low Power CMOS technology
- SPI Bus compatibility
- Hardware and software write protection
- Hardware reset pin
- Commercial, industrial, automotive and extended temperature ranges
- 1,000,000 program/erase cycles
- 100 year data retention
- Self timed write cycle with auto-clear
- Power-up inadvert write protection: RDY/BSY pin for end-of-write indication
- 2.5V to 6.0V operation

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

OUSER STOCK NO. / Mfr. Part Number	Package	Density (Org)	Temp Range	Price Each 1	25	100	250
ero Standby SPI Bus Serial EEPROMs 2.5-6.0 Volt (Con't)							
98—CAT25C33SI	SOIC-8	32K (4K X 8)	-40-85°C	.89	.71	.62	.58
98—CAT25C33U14	TSSOP-20	32K (4K X 8)	0-70°C	.96	.76	.67	.62
98—CAT25C33U14I	TSSOP-20	32K (4K X 8)	-40-85°C	1.04	.83	.72	.67
98—CAT25C64P	PDIP-8	64K (8K X 8)	0-70°C	1.19	.95	.83	.77
98—CAT25C64PI	PDIP-8	64K (8K X 8)	-40-85°C	1.29	1.03	.90	.83
98—CAT25C64PA	PDIP-8	64K (8K X 8)	-40-105°C	1.92	1.53	1.34	1.24
98—CAT25C64S	SOIC-8	64K (8K X 8)	0-70°C	1.19	.95	.83	.77
98—CAT25C64SI	SOIC-8	64K (8K X 8)	-40-85°C	1.29	1.03	.90	.83
98—CAT25C64SA	SOIC-8	64K (8K X 8)	-40-105°C	1.92	1.53	1.34	1.24
98—CAT25C64U20	TSSOP-20	64K (8K X 8)	0-70°C	1.42	1.13	.99	.92
98—CAT25C64U20I	TSSOP-20	64K (8K X 8)	-40-85°C	1.52	1.21	1.06	.98
98—CAT25C65P	PDIP-8	64K (8K X 8)	0-70°C	1.19	.95	.83	.77
98—CAT25C65PI	PDIP-8	64K (8K X 8)	-40-85°C	1.29	1.03	.90	.83
98—CAT25C65S	SOIC-8	64K (8K X 8)	0-70°C	1.19	.95	.83	.77
98—CAT25C65SI	SOIC-8	64K (8K X 8)	-40-85°C	1.29	1.03	.90	.83
98—CAT25C65U14	TSSOP-20	64K (8K X 8)	0-70°C	1.37	1.10	.96	.89
98—CAT25C128K	SOIC-8	128K (16K X 8)	0-70°C	1.92	1.53	1.34	1.24
98—CAT25C128KI	SOIC-8	128K (16K X 8)	-40-85°C	2.02	1.61	1.41	1.31

MOUSER STOCK NO. / Mfr. Part Number	Package	Density (Org)	Temp Range	Price Each 1	25	100	250
Zero Standby SPI Bus Serial EEPROMs 2.5-6.0 Volt (Con't)							
698—CAT25C128P	PDIP-8	128K (16K X 8)	0-70°C	1.92	1.53	1.34	1.24
698—CAT25C128PI	PDIP-8	128K (16K X 8)	-40-85°C	2.02	1.61	1.41	1.31
♦ 698—CAT25C128S	SOIC-8	128K (16K X 8)	0-70°C	1.92	1.53	1.34	1.24
♦ 698—CAT25C128SI	SOIC-8	128K (16K X 8)	-40-85°C	2.02	1.61	1.41	1.31
♦ 698—CAT25C128SA	SOIC-8	128K (16K X 8)	-40-105°C	3.15	2.52	2.20	2.04
♦ 698—CAT25C128U20	TSSOP-20	128K (16K X 8)	0-70°C	2.20	1.76	1.54	1.43
♦ 698—CAT25C128U20I	TSSOP-20	128K (16K X 8)	-40-85°C	2.32	1.85	1.62	1.50
698—CAT25C256P	PDIP-8	256K (32K X 8)	0-70°C	2.71	2.16	1.89	1.76
698—CAT25C256PI	PDIP-8	256K (32K X 8)	-40-85°C	2.81	2.24	1.96	1.82
698—CAT25C256PA	PDIP-8	256K (32K X 8)	-40-105°C	4.24	3.39	2.96	2.75
♦ 698—CAT25C256K	SOIC-8	256K (32K X 8)	0-70°C	2.71	2.16	1.89	1.76
♦ 698—CAT25C256KI	SOIC-8	256K (32K X 8)	-40-85°C	2.81	2.24	1.96	1.82
♦ 698—CAT25C256KA	SOIC-8	256K (32K X 8)	-40-105°C	4.24	3.39	2.96	2.75
Zero Standby SPI Bus 4.5-5.5 Volt							
698—CAT64LC40P	PDIP-8	4K (256 X 16)	0-70°C	1.40	1.12	.98	.91
♦ 698—CAT64LC40S	SOIC-8	4K (256 X 16)	0-70°C	1.40	1.12	.98	.91
♦ 698—CAT64LC40SI	SOIC-8	4K (256 X 16)	-40-85°C	1.53	1.22	1.07	.99

ATALYST LOW VOLTAGE, LOW POWER PARALLEL EEPROMS

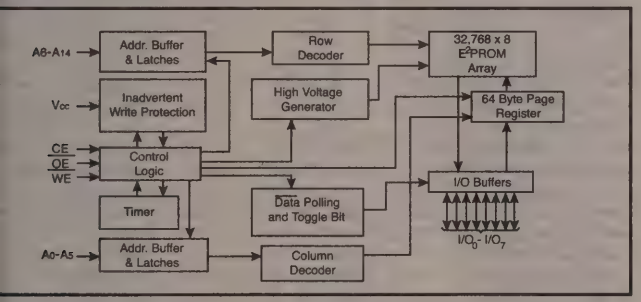
mmon Features:
- nple write operation:
  On-chip address and data latches
  Self-timed write cycle with auto-clear
  mmercial, industrial and automotive temperature ranges
- CMOS and TTL compatible I/O
- Hardware and software write protection
- 100,000 program/erase cycles
- 100 year data retention

cription:

CAT28LV64 & CAT28LV256 are a fast, low power, low voltage CMOS Parallel E2PROM organized as 8K x s, CAT28LV64 and 32K x 8-bits, CAT28LV256. They require a simple interface for in-system programming. hip address and data latches, self-timed write cycle with auto-clear and VCC power up/down write ction eliminate additional timing and protection hardware. DATA Polling and Toggle status bits signal the and end of the self-timed write cycle. Additionally, CAT28LV64 & CAT28LV256 feature hardware and are write protection.

T28LV64:
- K-Bit
- ad access times:
  150/200/250ns
- w power CMOS
  sipation:
  ctive: 8 mA max.
  Standby: 100 µA max.
- st write cycle time:
  5ms max.
- Automatic page write operation:
  – 1 to 32 bytes in 5ms
  – Page load timer
- End of write detection:
  – Toggle bit
  – DATA polling

CAT28LV256:
- 256K-Bit
- Read Access Times:
  – 200/250/300 ns
- Low Power CMOS dissipation:
  – Active: 15 mA Max.
  – Standby: 150 µA Max.
- Fast Write Cycle Time:
  – 10ms Max.
- Automatic Page Write operation:
  – 1 to 64 Bytes in 10ms
  – Page Load Timer
- End of Write Detection:
  – Toggle Bit
  – DATA Polling

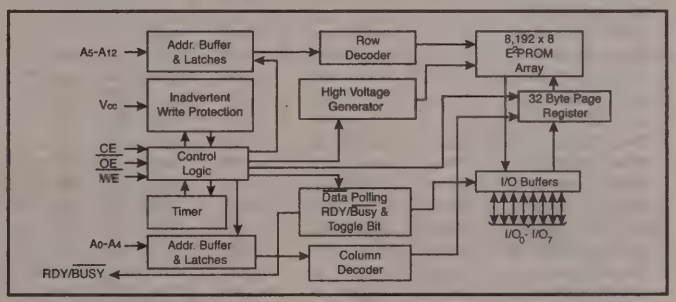


Description:

The CAT28LV65 is a low voltage, low power, CMOS parallel EEPROM organized as 8K x 8-bits. It requires a simple interface for in-system programming. On-chip address and data latches, self-timed write cycle with auto-clear and VCC power up/down write protection eliminate additional timing and protection hardware. DATA Polling, RDY/BUSY and Toggle status bit signal the start and end of the self-timed write cycle. Additionally, the CAT28LV65 features hardware and software write protection.

Series Features:

CAT28LV65:
- 64K-Bit
- Read access times:
  – 150/200/250ns
- Low power CMOS dissipation:
  – Active: 8 mA max.
  – Standby: 100 µA max.
- Fast write cycle time:
  – 5ms max.
- Automatic page write operation:
  – 1 to 32 bytes in 5ms
  – Page load timer
- End of write detection:
  – Toggle bit
  – DATA polling
  – RDY/BUSY



urface Mount

For quantities of 500 and up, call for quote.

OUSER STOCK NO. / Mfr. Part Number	Package	Density (Org)	Temp Range	Price Each 1	25	100	250
00 ns Low Voltage Parallel EEPROMs 3.0V-3.6 Volt							
98—CAT28LV64N-20	PLCC-32	64K (8K X 8)	0-70°C	3.90	3.12	2.73	2.53
98—CAT28LV64P-20	PDIP-28	64K (8K X 8)	0-70°C	3.90	3.12	2.73	2.53
98—CAT28LV64T13-20	TSOP-28	64K (8K X 8)	0-70°C	4.40	3.52	3.08	2.86
98—CAT28LV64T13I-20	TSOP-28	64K (8K X 8)	-40-85°C	4.65	3.72	3.25	3.02
98—CAT28LV65J-20	SOIC-28	64K (8K X 8)	0-70°C	3.90	3.12	2.73	2.53
98—CAT28LV65N-20	PLCC-32	64K (8K X 8)	0-70°C	3.90	3.12	2.73	2.53
98—CAT28LV65P-20	PDIP-28	64K (8K X 8)	0-70°C	3.90	3.12	2.73	2.53
98—CAT28LV65PI-20	PDIP-28	64K (8K X 8)	-40-85°C	4.15	3.32	2.90	2.69
50 ns Low Voltage 3.0V-3.6 Volt							
98—CAT28LV64N-25	PLCC-32	64K (8K X 8)	0-70°C	3.27	2.62	2.29	2.12
98—CAT28LV64NI-25	PLCC-32	64K (8K X 8)	-40-85°C	3.52	2.82	2.46	2.29
98—CAT28LV64P-25	PDIP-28	64K (8K X 8)	0-70°C	3.27	2.62	2.29	2.12
98—CAT28LV64PI-25	PDIP-28	64K (8K X 8)	-40-85°C	3.52	2.82	2.46	2.29
98—CAT28LV64T13-25	TSOP-28	64K (8K X 8)	0-70°C	3.77	3.02	2.64	2.45
98—CAT28LV65J-25	SOIC-28	64K (8K X 8)	0-70°C	3.27	2.62	2.29	2.12
98—CAT28LV65N-25	PLCC-32	64K (8K X 8)	0-70°C	3.27	2.62	2.29	2.12
98—CAT28LV65NI-25	PLCC-32	64K (8K X 8)	-40-85°C	3.52	2.82	2.46	2.29
98—CAT28LV65P-25	PDIP-28	64K (8K X 8)	0-70°C	3.27	2.62	2.29	2.12
98—CAT28LV65PI-25	PDIP-28	64K (8K X 8)	-40-85°C	3.52	2.82	2.46	2.29
98—CAT28LV256N-25	PLCC-32	256K (32K X 8)	0-70°C	5.09	4.07	3.56	3.31

♦ Surface Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	Density (Org)	Temp Range	Price Each 1	25	100	250
250 ns Low Voltage 3.0V-3.6 Volt (Con't)							
♦ 698—CAT28LV256NI-25	PLCC-32	256K (32K X 8)	-40-85°C	5.34	4.27	3.74	3.47
698—CAT28LV256P-25	PDIP-28	256K (32K X 8)	0-70°C	5.09	4.07	3.56	3.31
698—CAT28LV256PI-25	PDIP-28	256K (32K X 8)	-40-85°C	5.34	4.27	3.74	3.47
♦ 698—CAT28LV256T13I25	TSOP-28	256K (32K X 8)	-40-85°C	5.84	4.67	4.09	3.79
300 ns Low Voltage 3.0V-3.6 Volt							
♦ 698—CAT28LV256N-30	PLCC-32	256K (32K X 8)	0-70°C	4.97	3.97	3.47	3.23
♦ 698—CAT28LV256NI-30	PLCC-32	256K (32K X 8)	-40-85°C	5.22	4.17	3.65	3.39
698—CAT28LV256P-30	PDIP-28	256K (32K X 8)	0-70°C	4.97	3.97	3.47	3.23
90 ns 4.5V-5.5 Volt							
♦ 698—CAT28C64BJ-90	SOIC-28	64K (8K X 8)	0-70°C	3.12	2.49	2.18	2.03
♦ 698—CAT28C64BN-90	PLCC-32	64K (8K X 8)	0-70°C	2.72	2.17	1.90	1.77
♦ 698—CAT28C64BNI-90	PLCC-32	64K (8K X 8)	-40-85°C	2.92	2.33	2.04	1.90
698—CAT28C64BP-90	PDIP-28	64K (8K X 8)	0-70°C	2.72	2.17	1.90	1.77
698—CAT28C64BPI-90	PDIP-28	64K (8K X 8)	-40-85°C	2.92	2.33	2.04	1.90
♦ 698—CAT28C65BJ-90	SOIC-28	64K (8K X 8)	0-70°C	3.12	2.49	2.18	2.03
♦ 698—CAT28C65BN-90	PLCC-32	64K (8K X 8)	0-70°C	2.72	2.17	1.90	1.77
♦ 698—CAT28C65BNI-90	PLCC-32	64K (8K X 8)	-40-85°C	2.92	2.33	2.04	1.90
698—CAT28C65BP-90	PDIP-28	64K (8K X 8)	0-70°C	2.72	2.17	1.90	1.77
698—CAT28C65BPI-90	PDIP-28	64K (8K X 8)	-40-85°C	2.92	2.33	2.04	1.90

CATALYST Parallel EEPROMs

CATALYST SEMICONDUCTOR, INC.

Common Features:
- Simple write operation:
  - -One chip address and data latches
  - -Self-timed write cycle with Auto-clear
- 10,000 program/erase cycle
- 10 year data retention
- Commercial, industrial, and automotive temperature ranges
- CMOS and TTL Compatible I/O

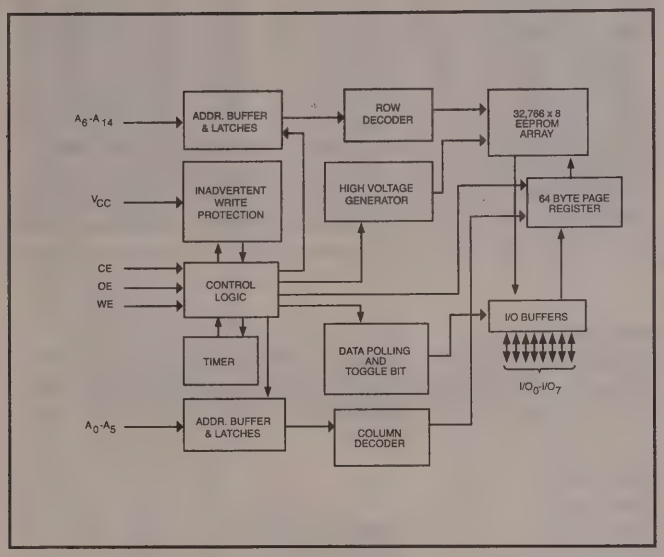
CAT28C512/513 Series Features:
- Fast read access times: 120/150 ns
- Automatic page write operation:
  - -1 to 128 bytes in 5ms
- Low power CMOS dissipation
  - -Active: 50mA Max.
  - -Standby: 200µA Max
- End of write detection:
  - -Toggle Bit
  - -DATA Polling
- Fast write cycle time: 5ms Max
- Hardware and software write protection

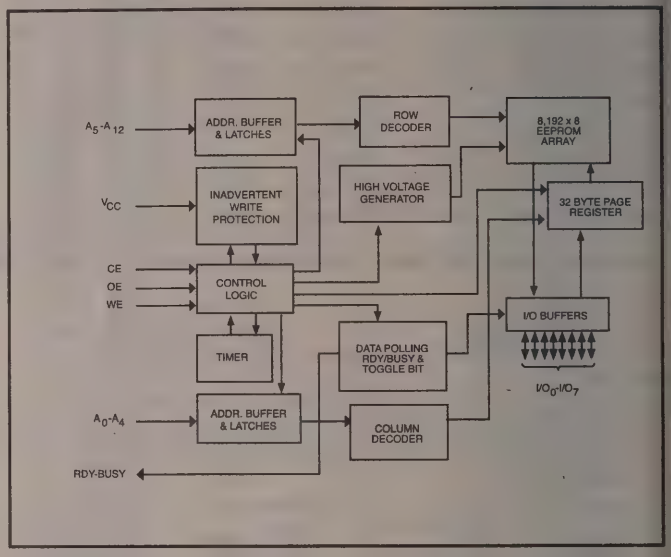
CAT28C256/ CAT28C257 Series Features:
- Fast read access times: 120/150 ns
- Low power CMOS dissipation:
  - -Active: 25mA Max.
  - -Standby:150µA Max.
- Fast write cycle time: 5ms Max
- Automatic page write operation:
  - -1 to 32 bytes in 5ms **CAT28C256** only
  - -1 to 128 bytes in 5ms **CAT28C257** only
  - -Page load timer
- End of write detection:
  - -Toggle bit
  - -DATA polling
- Hardware and software write protection

CAT28C64B/ CAT28C65B Series Features:
- Fast read access times: -90/120/150ns
- Low power CMOS dissipation:
  - -Active: 25 mA Max
  - -Standby: 100µA Max
- Fast write cycle time: 5ms Max
- Automatic page write operation:
  - -1 to 32 bytes in 5ms
  - -Page load timer
- End of write detection:
  - -Toggle bit
  - -DATA Polling
  - -RDY/BUSY **CAT28C64B** only
- Hardware and software write protection

CAT28C16A/ CAT28C17A Series Features:
- Fast read access times: 200 ns
- Low power CMOS dissipation:
  - -Active: 25 mA Max.
  - -Standby: 100 mA Max.
- Fast write cycle time: 10 ms Max
- End of write detection: DATA Polling
  - -RDY/BSY Pin **CAT28C17A** only
- Hardware write protection

♦ Surface Mount Device





For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Density (Org)	Temp Range	Price Each 1	25	100	250
120 ns 4.5V-5.5 Volt								
♦ 698—	CAT28C64BJ-12	SOIC-28	64K (8K X 8)	0-70°C	3.02	2.41	2.11	1.96
♦ 698—	CAT28C64BJI-12	SOIC-28	64K (8K X 8)	-40-85°C	3.22	2.57	2.25	2.09
♦ 698—	CAT28C64BJA-12	SOIC-28	64K (8K X 8)	-40-105°C	5.05	4.04	3.53	3.28
♦ 698—	CAT28C64BK-12	SOIC-28	64K (8K X 8)	0-70°C	3.02	2.41	2.11	1.96
♦ 698—	CAT28C64BN-12	PLCC-32	64K (8K X 8)	0-70°C	2.62	2.09	1.83	1.70
♦ 698—	CAT28C64BNI-12	PLCC-32	64K (8K X 8)	-40-85°C	2.82	2.25	1.97	1.83
698—	CAT28C64BP-12	PDIP-28	64K (8K X 8)	0-70°C	2.62	2.09	1.83	1.70
698—	CAT28C64BPI-12	PDIP-28	64K (8K X 8)	-40-85°C	2.82	2.25	1.97	1.83
♦ 698—	CAT28C64BT13-12	TSOP-28	64K (8K X 8)	0-70°C	3.02	2.41	2.11	1.96
♦ 698—	CAT28C65BJ-12	SOIC-28	64K (8K X 8)	0-70°C	3.02	2.41	2.11	1.96
♦ 698—	CAT28C65BK-90	SOIC-28	64K (8K X 8)	0-70°C	3.12	2.49	2.18	2.03
♦ 698—	CAT28C65BK-12	SOIC-28	64K (8K X 8)	0-70°C	3.02	2.41	2.11	1.96
♦ 698—	CAT28C65BKI-12	SOIC-28	64K (8K X 8)	-40-85°C	3.22	2.57	2.25	2.09
♦ 698—	CAT28C65BN-12	PLCC-32	64K (8K X 8)	0-70°C	2.62	2.09	1.83	1.70
♦ 698—	CAT28C65BNI-12	PLCC-32	64K (8K X 8)	-40-85°C	2.82	2.25	1.97	1.83
698—	CAT28C65BP-12	PDIP-28	64K (8K X 8)	0-70°C	2.62	2.09	1.83	1.70
698—	CAT28C65BPI-12	PDIP-28	64K (8K X 8)	-40-85°C	2.82	2.25	1.97	1.83
♦ 698—	CAT28C65BT13I-12	TSOP-28	64K (8K X 8)	-40-85°C	3.22	2.57	2.25	2.09
♦ 698—	CAT28C256N-12	PLCC-32	256K (32K X 8)	0-70°C	4.96	3.97	3.47	3.22
♦ 698—	CAT28C256NI-12	PLCC-32	256K (32K X 8)	-40-85°C	5.16	4.13	3.61	3.35
698—	CAT28C256P-12	PDIP-28	256K (32K X 8)	0-70°C	4.96	3.97	3.47	3.22
698—	CAT28C256PI-12	PDIP-28	256K (32K X 8)	-40-85°C	5.16	4.13	3.61	3.35
♦ 698—	CAT28C256T13-12	TSOP-28	256K (32K X 8)	0-70°C	5.36	4.29	3.75	3.48
♦ 698—	CAT28C256T13I-12	TSOP-28	256K (32K X 8)	-40-85°C	5.56	4.45	3.89	3.61
698—	CAT28C257P-12	PDIP-28	256K (32K X 8)	0-70°C	8.06	6.45	5.64	5.24
698—	CAT28C257PI-12	PDIP-28	256K (32K X 8)	-40-85°C	8.26	6.61	5.78	5.37
♦ 698—	CAT28C257N-12	PLCC-32	256K (32K X 8)	0-70°C	8.06	6.45	5.64	5.24
♦ 698—	CAT28C257NI-12	PLCC-32	256K (32K X 8)	-40-85°C	8.26	6.61	5.78	5.37
698—	CAT28C512P-12	PDIP-32	512K (64K X 8)	0-70°C	15.79	12.63	11.05	10.26
698—	CAT28C512PI-12	PDIP-32	512K (64K X 8)	-40-85°C	16.01	12.81	11.21	10.41
♦ 698—	CAT28C512N-12	PLCC-32	512K (64K X 8)	0-70°C	15.79	12.63	11.05	10.26
♦ 698—	CAT28C512NI-12	PLCC-32	512K (64K X 8)	-40-85°C	16.01	12.81	11.21	10.41
♦ 698—	CAT28C512NA-12	PLCC-32	512K (64K X 8)	-40-105°C	20.72	16.57	14.50	13.46
♦ 698—	CAT28C512T-12	TSOP-32	512K (64K X 8)	0-70°C	16.24	12.99	11.36	10.55
♦ 698—	CAT28C512TI-12	TSOP-32	512K (64K X 8)	-40-85°C	16.46	13.17	11.52	10.70

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Density (Org)	Temp Range	Price Each 1	25	100	250
120 ns 4.5V-5.5 Volt (Con't)								
♦ 698—	CAT28C513N-12	PLCC-32	512K (64K X 8)	0-70°C	15.79	12.63	11.05	10.26
♦ 698—	CAT28C513NI-12	PLCC-32	512K (64K X 8)	-40-85°C	16.01	12.81	11.21	10.41
150 ns 4.5V-5.5 Volt								
♦ 698—	CAT28C256N-15	PLCC-32	256K (32K X 8)	0-70°C	4.86	3.89	3.40	3.16
♦ 698—	CAT28C256NI-15	PLCC-32	256K (32K X 8)	-40-85°C	5.06	4.05	3.54	3.29
698—	CAT28C256P-15	PDIP-28	256K (32K X 8)	0-70°C	4.86	3.89	3.40	3.16
698—	CAT28C256PI-15	PDIP-28	256K (32K X 8)	-40-85°C	5.06	4.05	3.54	3.29
♦ 698—	CAT28C256T13I-15	TSOP-28	256K (32K X 8)	-40-85°C	5.46	4.37	3.82	3.55
698—	CAT28C257P-15	PDIP-28	256K (32K X 8)	0-70°C	7.96	6.37	5.57	5.17
698—	CAT28C257PI-15	PDIP-28	256K (32K X 8)	-40-85°C	8.16	6.53	5.71	5.30
♦ 698—	CAT28C257N-15	PLCC-32	256K (32K X 8)	0-70°C	7.96	6.37	5.57	5.17
♦ 698—	CAT28C257NI-15	PLCC-32	256K (32K X 8)	-40-85°C	8.16	6.53	5.71	5.30
698—	CAT28C512P-15	PDIP-32	512K (64K X 8)	0-70°C	15.68	12.54	10.97	10.19
698—	CAT28C512PI-15	PDIP-32	512K (64K X 8)	-40-85°C	15.90	12.72	11.13	10.33
♦ 698—	CAT28C512N-15	PLCC-32	512K (64K X 8)	0-70°C	15.68	12.54	10.97	10.19
♦ 698—	CAT28C512NI-15	PLCC-32	512K (64K X 8)	-40-85°C	15.90	12.72	11.13	10.33
♦ 698—	CAT28C512TA-15	TSOP-32	512K (64K X 8)	-40-105°C	21.61	17.29	15.13	14.05
♦ 698—	CAT28C513N-15	PLCC-32	512K (64K X 8)	0-70°C	15.68	12.54	10.97	10.19
♦ 698—	CAT28C513NI-15	PLCC-32	512K (64K X 8)	-40-85°C	15.90	12.72	11.13	10.33
♦ 698—	CAT28C513NA-15	PLCC-32	512K (64K X 8)	-40-105°C	20.72	16.57	14.50	13.46
200 ns 4.5V-5.5 Volt								
♦ 698—	CAT28C16AJ-20	SOIC-24	16K (2K X 8)	0-70°C	2.83	2.27	1.98	1.84
♦ 698—	CAT28C16AJI-20	SOIC-24	16K (2K X 8)	-40-85°C	3.10	2.48	2.17	2.02
♦ 698—	CAT28C16AK-20	SOIC-24	16K (2K X 8)	0-70°C	2.83	2.27	1.98	1.84
♦ 698—	CAT28C16AKI-20	SOIC-24	16K (2K X 8)	-40-85°C	3.10	2.48	2.17	2.02
♦ 698—	CAT28C16AN-20	PLCC-32	16K (2K X 8)	0-70°C	2.56	2.05	1.79	1.66
♦ 698—	CAT28C16ANI-20	PLCC-32	16K (2K X 8)	-40-85°C	2.83	2.27	1.98	1.84
698—	CAT28C16AP-20	PDIP-24	16K (2K X 8)	0-70°C	2.56	2.05	1.79	1.66
698—	CAT28C16API-20	PDIP-24	16K (2K X 8)	-40-85°C	2.83	2.27	1.98	1.84
♦ 698—	CAT28C17AJ-20	SOIC-28	16K (2K X 8)	0-70°C	2.83	2.27	1.98	1.84
♦ 698—	CAT28C17AK-20	SOIC-28	16K (2K X 8)	0-70°C	2.83	2.27	1.98	1.84
698—	CAT28C17AP-20	PDIP-28	16K (2K X 8)	0-70°C	2.56	2.05	1.79	1.66
698—	CAT28C17API-20	PDIP-28	16K (2K X 8)	-40-85°C	2.83	2.27	1.98	1.84

CATALYST Flash Memory and NVRAM

CATALYST SEMICONDUCTOR, INC.

he CAT28F001 is a high speed 128K X 8 bit electrically erasable and reprogrammable Flash memory ideally uited for applications requiring in-system or after sale code updates.

he CAT28F001 has a blocked architecture with one 8 KB Boot Block, two 4 KB Parameter Blocks and one 112 B Main Block. The Boot Block section can be at the top or bottom of the memory map and includes a eprogramming write lock out feature to guarantee data integrity. It is designed to contain secure code which will ring up the system minimally and download code to other locations of CAT28F001.

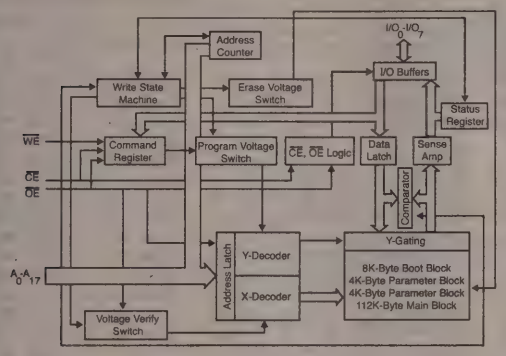
he CAT28F001 is designed with a signature mode which allows the user to identify the IC manufacturer and evice type. The CAT28F001 is also designed with on-Chip Address Latches, Data Latches, Programming and rase Algorithms.

he CAT28F001 is manufactured using Catalyst's advanced CMOS floating gate technology. It is designed endure 100,000 program/erase cycles and has a data retention of 10 years. The device is available in JEDEC pproved 32-pin plastic DIP, PLCC or TSOP packages.

FEATURES: CAT28F001 SERIES

Boot Block Flash Memory

- Fast Read Access Time: 70/90/120/150 ns
- On-Chip Address and Data Latches
- Blocked Architecture:
  - One 8 KB Boot Block w/ Lock Out
  - Top or Bottom Locations
  - Two 4 KB Parameter Blocks
  - One 112 KB Main Block
- Low Power CMOS Operation
- 12.0V ± 5% Programming and Erase Voltage
- Automated Program & Erase Algorithms
- High Speed Programming
- Commercial, Industrial and Automotive Temperature Ranges
- Deep Powerdown Mode:
  - 0.05 mA ICC Typical
  - 0.8 mA IPP Typical
- Hardware Data Protection
- Electronic Signature
- 100,000 Program/Erase Cycles and 10 Year
- Data Retention
- JEDEC Standard Pinouts:
  - 32 pin DIP
  - 32 pin PLCC
  - 32 pin TSOP
- Reset/Deep Power Down Mode



♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Density	Organization	Temp Range	Price Each 1	25	100	250
90 ns Boot Block 5/12 Volt									
698	CAT28F001P-90B	PDIP-32	2M	(256K X 8)	0-70°C	7.70	6.16	5.39	5.00
698	CAT28F001PI-90B	PDIP-32	2M	(256K X 8)	-40-85°C	7.96	6.38	5.58	5.18
698	CAT28F001P-90T	PDIP-32	2M	(256K X 8)	0-70°C	7.70	6.16	5.39	5.00
698	CAT28F001PI-90T	PDIP-32	2M	(256K X 8)	-40-85°C	7.96	6.38	5.58	5.18
♦ 698	CAT28F001N-90B	PLCC-32	2M	(256K X 8)	0-70°C	7.70	6.16	5.39	5.00
♦ 698	CAT28F001NI-90B	PLCC-32	2M	(256K X 8)	-40-85°C	7.96	6.38	5.58	5.18
♦ 698	CAT28F001N-90T	PLCC-32	2M	(256K X 8)	0-70°C	7.70	6.16	5.39	5.00
♦ 698	CAT28F001NI-90T	PLCC-32	2M	(256K X 8)	-40-85°C	7.96	6.38	5.58	5.18
698	CAT28F001T-90T	TSOP-32	2M	(256K X 8)	0-70°C	8.40	6.72	5.88	5.46
♦ 698	CAT28F001TI-90T	TSOP-32	2M	(256K X 8)	-40-85°C	8.68	6.94	6.07	5.64
120 ns Boot Block 5/12 Volt									
698	CAT28F001P-12B	PDIP-32	2M	(256K X 8)	0-70°C	7.42	5.93	5.19	4.82
698	CAT28F001PI-12B	PDIP-32	2M	(256K X 8)	-40-85°C	7.70	6.16	5.39	5.00
698	CAT28F001P-12T	PDIP-32	2M	(256K X 8)	0-70°C	7.42	5.93	5.19	4.82
698	CAT28F001PI-12T	PDIP-32	2M	(256K X 8)	-40-85°C	7.70	6.16	5.39	5.00
♦ 698	CAT28F001N-12B	PLCC-32	2M	(256K X 8)	0-70°C	7.42	5.93	5.19	4.82
♦ 698	CAT28F001NI-12B	PLCC-32	2M	(256K X 8)	-40-85°C	7.70	6.16	5.39	5.00
♦ 698	CAT28F001N-12T	PLCC-32	2M	(256K X 8)	0-70°C	7.42	5.93	5.19	4.82
♦ 698	CAT28F001NI-12T	PLCC-32	2M	(256K X 8)	-40-85°C	7.70	6.16	5.39	5.00
♦ 698	CAT28F001NA-12T	PLCC-32	2M	(256K X 8)	-40-85°C	9.27	7.42	6.49	6.02
698	CAT28F001T-12T	TSOP-32	2M	(256K X 8)	0-70°C	8.26	6.60	5.78	5.36
698	CAT28F001TI-12T	TSOP-32	2M	(256K X 8)	-40-85°C	8.54	6.83	5.97	5.55

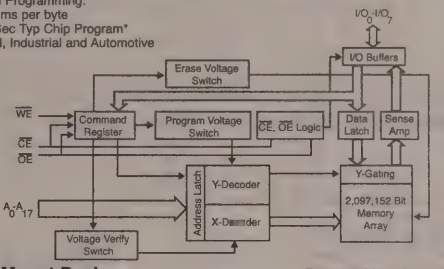
CAT28Fxxx Series electrically erasable and reprogrammable Flash memory is ideally suited for applications requiring in-system or after-sale code updates. Electrical erasure of the full memory contents is achieved typically within 0.5 second.

It is pin and Read timing compatible with standard EPROM and E2PROM devices. Programming and Erase are performed through an operation and verify algorithm. The instructions are input via the I/O bus, using a two write cycle scheme. Address and Data are latched to free the I/O bus and address bus during the write operation.

FEATURES: CAT28Fxxx SERIES

Bulk Erase Flash Memory

- Fast Read Access Time: 90/120/150 ns
- Low Power CMOS Dissipation:
  - Active: 30 mA max (CMOS/TTL levels)
  - Standby: 1 mA max (TTL levels)
  - Standby: 100 mA max (CMOS levels)
- High Speed Programming:
  - 10 ms per byte
  - 1 Sec Typ Chip Program*
- Commercial, Industrial and Automotive
- Temperature Ranges
- 12.0V ± 5% Programming and Erase Voltage
- Stop Timer for Program/Erase
- On-Chip Address and Data Latches
- Electronic Signature



♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Density	Organization	Temp Range	Price Each 1	25	100	250
90 ns Bulk Erase 5/12 Volt									
698	CAT28F512P-90	PDIP-32	512K	(64K X 8)	0-70° C	5.40	4.32	3.78	3.51
698	CAT28F512PI-90	PDIP-32	512K	(64K X 8)	-40-85° C	5.70	4.56	3.99	3.70
♦ 698	CAT28F512N-90	PLCC-32	512K	(64K X 8)	0-70° C	5.40	4.32	3.78	3.51
♦ 698	CAT28F512NI-90	PLCC-32	512K	(64K X 8)	-40-85° C	5.70	4.56	3.99	3.70
♦ 698	CAT28F512T-90	TSOP-32	512K	(64K X 8)	0-70° C	6.15	4.92	4.30	3.99
698	CAT28F010P-90	PDIP-32	1M	(128K X 8)	0-70° C	6.15	4.92	4.30	3.99
698	CAT28F010PI-90	PDIP-32	1M	(128K X 8)	-40-85° C	6.45	5.16	4.51	4.19
♦ 698	CAT28F010N-90	PLCC-32	1M	(128K X 8)	0-70° C	6.15	4.92	4.30	3.99
♦ 698	CAT28F010NI-90	PLCC-32	1M	(128K X 8)	-40-85° C	6.45	5.16	4.51	4.19
♦ 698	CAT28F010T-90	TSOP-32	1M	(128K X 8)	0-70° C	7.20	5.76	5.04	4.68
♦ 698	CAT28F010TI-90	TSOP-32	1M	(128K X 8)	-40-85° C	7.50	6.00	5.25	4.87
♦ 698	CAT28F010TRI-90	TSOP-32	1M	(128K X 8)	-40-85° C	7.50	6.00	5.25	4.87
698	CAT28F020P-90	PDIP-32	2M	(256K X 8)	0-70° C	8.54	6.83	5.97	5.55
698	CAT28F020PI-90	PDIP-32	2M	(256K X 8)	-40-85° C	8.82	7.05	6.17	5.73
♦ 698	CAT28F020N-90	PLCC-32	2M	(256K X 8)	0-70° C	9.56	7.64	6.69	6.21
♦ 698	CAT28F020NI-90	PLCC-32	2M	(256K X 8)	-40-85° C	9.00	7.20	6.30	5.85
♦ 698	CAT28F020T-90	TSOP-32	2M	(256K X 8)	0-70° C	9.52	7.61	6.66	6.18
♦ 698	CAT28F020TR-90	TSOP-32	2M	(256K X 8)	0-70° C	9.52	7.61	6.66	6.18
♦ 698	CAT28F020TRI-90	TSOP-32	2M	(256K X 8)	-40-85° C	9.80	7.84	6.86	6.37
120 ns Bulk Erase 5/12 Volt									
698	CAT28F512P-12	PDIP-32	512K	(64K X 8)	0-70° C	5.25	4.20	3.67	3.41
698	CAT28F512PI-12	PDIP-32	512K	(64K X 8)	-40-85° C	5.55	4.44	3.88	3.60
698	CAT28F512PA-12	PDIP-32	512K	(64K X 8)	-40-85° C	6.82	5.46	4.77	4.43
♦ 698	CAT28F512N-12	PLCC-32	512K	(64K X 8)	0-70° C	5.25	4.20	3.67	3.41
♦ 698	CAT28F512NI-12	PLCC-32	512K	(64K X 8)	-40-85° C	5.55	4.44	3.88	3.60
♦ 698	CAT28F512NA-12	PLCC-32	512K	(64K X 8)	-40-85° C	6.82	5.46	4.77	4.43
♦ 698	CAT28F512T-12	TSOP-32	512K	(64K X 8)	0-70° C	5.85	4.68	4.09	3.80
698	CAT28F010P-12	PDIP-32	1M	(128K X 8)	0-70° C	5.85	4.68	4.09	3.80
698	CAT28F010PI-12	PDIP-32	1M	(128K X 8)	-40-85° C	6.15	4.92	4.30	3.99
698	CAT28F010PA-12	PDIP-32	1M	(128K X 8)	-40-85° C	7.60	6.08	5.32	4.94
♦ 698	CAT28F010N-12	PLCC-32	1M	(128K X 8)	0-70° C	5.85	4.68	4.09	3.80
♦ 698	CAT28F010NI-12	PLCC-32	1M	(128K X 8)	-40-85° C	6.15	4.92	4.30	3.99
♦ 698	CAT28F010NA-12	PLCC-32	1M	(128K X 8)	-40-85° C	7.60	6.08	5.32	4.94
♦ 698	CAT28F010T-12	TSOP-32	1M	(128K X 8)	0-70° C	6.90	5.52	4.83	4.48
♦ 698	CAT28F010TI-12	TSOP-32	1M	(128K X 8)	-40-85° C	7.20	5.76	5.04	4.68
♦ 698	CAT28F010TR-12	TSOP-32	1M	(128K X 8)	0-70° C	6.90	5.52	4.83	4.48
♦ 698	CAT28F010TRI-12	TSOP-32	1M	(128K X 8)	-40-85° C	7.20	5.76	5.04	4.68
698	CAT28F020P-12	PDIP-32	2M	(256K X 8)	0-70° C	8.26	6.60	5.78	5.36
698	CAT28F020PI-12	PDIP-32	2M	(256K X 8)	-40-85° C	8.54	6.83	5.97	5.55
♦ 698	CAT28F020N-12	PLCC-32	2M	(256K X 8)	0-70° C	8.26	6.60	5.78	5.36
♦ 698	CAT28F020NI-12	PLCC-32	2M	(256K X 8)	-40-85° C	8.54	6.83	5.97	5.55
♦ 698	CAT28F020T-12	TSOP-32	2M	(256K X 8)	0-70° C	9.24	7.39	6.46	6.00
♦ 698	CAT28F020TI-12	TSOP-32	2M	(256K X 8)	-40-85° C	9.52	7.61	6.66	6.18
♦ 698	CAT28F020TR-12	TSOP-32	2M	(256K X 8)	0-70° C	9.24	7.39	6.46	6.00
♦ 698	CAT28F020TRI-12	TSOP-32	2M	(256K X 8)	-40-85° C	9.52	7.61	6.66	6.18

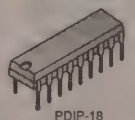
CATALYST NVRAM

Features:

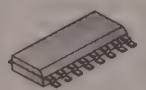
- Single 5V supply
- Infinite EEPROM to RAM recall
- CMOS and TTL Compatible I/O
- Power up/down protection
- 10 year data retention
- 100,000 Program/Erase cycles (EEPROM)
- Commercial, industrial, and automotive
- JEDEC Standard Pinouts: 18-pin DIP and 16-pin SOIC (CAT22C10), 8-pin DIP and 8-pin SOIC (CAT24C440)
- Low CMOS Power Consumption: CAT22C10- Active: 40mA max., Standby: 30µA max. CAT24C44- Active: 3mA max., Standby: 30µA max.
- Temperature ranges
- Fast RAM access times (CAT22C10): 200ns, 300ns
- Auto recall power up (CAT24C44)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Package	Access Time	Operating Voltage	Temperature Range	Price Each 1	25	100	250
256-Bit Nonvolatile CMOS Static RAM								
♦ 698-CAT22C10JI-20	SOIC-16	200	4.5-5.5	-40° - 85°C	3.46	2.77	2.42	2.36
698-CAT22C10P-20	PDIP-18	200	4.5-5.5	0° - 70°C	2.86	2.29	2.00	2.19
698-CAT22C10PI-20	PDIP-18	200	4.5-5.5	-40° - 85°C	3.12	2.50	2.18	2.36
698-CAT22C10PI-30	PDIP-18	300	4.5-5.5	-40° - 85°C	2.86	2.29	2.00	2.28
256-Bit Serial Nonvolatile CMOS Static RAAM								
698-CAT24C44PI	PDIP-8	---	4.5-5.5	-40° - 85°C	1.33	1.06	.93	1.06

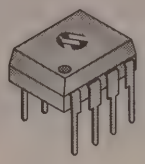

PDIP-18

PDIP-8


SOIC-16

MICROCHIP Serial EEPROMs

MICROCHIP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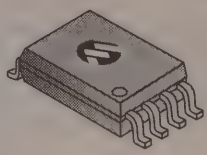
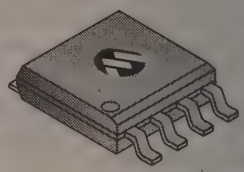

TSSOP-8


SOIC-8

I2C™ COMPATIBLE SERIAL EEPROM FAMILY

Features:
- Range of packages including 8MF, 8SM, 8SN, ST, 8MS, SOT, and wafer
- Maximum bus speed of 1MHz
- Operating temperature of -40C to +85/+125C
- All densities are available in Pb free packaging
- 1.8-5.5V

◆Surface Mount Device

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package Type	Density	Organization	Price Each		
					1	10	50
579-24C00P	24C00/P	PDIP-8	128 bit	16byte, 5V	.32	.31	.30
579-24LC00P	24LC00/P	PDIP-8	128 bit	16byte, 1.8V	.32	.31	.30
◆579-24LC00SN	24LC00/SN	SOIC-8	128 bit	16byte, 1.8V	.32	.31	.30
579-24AA01-I/P	24AA01-I/P	PDIP-8	1K	128x8, 1.8V	.39	.38	.37
579-24C01CP	24C01C/P	PDIP-8	1K	128x8	.45	.44	.42
◆579-24C01CSN	24C01C/SN	SOIC-8	1K	128x8	.45	.44	.42
579-24LC01BP	24LC01B/P	PDIP-8	1K	128x8, 1.8V	.35	.34	.33
◆579-24LC01BSN	24LC01B/SN	SOIC-8	1K	128x8, 1.8V	.35	.34	.33
579-24LC01B-I/P	24LC01B-I/P	PDIP-8	1K	128x8, 1.8V	.35	.34	.33
◆579-24LC01B-I/SN	24LC01B-I/SN	SOIC-8	1K	128x8, 1.8V	.35	.34	.33
◆579-24AA02/SN	24AA02/SN	SOIC-8	2K	256x8, 1.8V	.42	.41	.39
579-24C02CP	24C02C/P	PDIP-8	2K	256x8	.45	.44	.42
◆579-24C02CSN	24C02C/SN	SOIC-8	2K	256x8	.45	.44	.42
579-24C02C-I/P	24C02C-I/P	PDIP-8	2K	256x8	.45	.44	.42
◆579-24C02CTST	24C02CT/ST	TSSOP-8	2K	256x8	.51	.50	.48
579-24LC02BP	24LC02B/P	PDIP-8	2K	256x8, 1.8V	.42	.41	.39
◆579-24LC02BSN	24LC02B/SN	SOIC-8	2K	256x8, 1.8V	.42	.41	.39
579-24LC02B-I/P	24LC02B-I/P	PDIP-8	2K	256x8, 1.8V	.42	.41	.39
◆579-24LC02B-I/SN	24LC02B-I/SN	SOIC-8	2K	256x8, 1.8V	.42	.41	.39
579-24LC04BP	24LC04B/P	PDIP-8	4K	512x8, 2.5V	.42	.41	.39
◆579-24LC04BSN	24LC04B/SN	SOIC-8	4K	512x8, 2.5V	.42	.41	.39
◆579-24LC04B-I/SN	24LC04B-I/SN	SOIC-8	4K	512x8, 2.5V	.42	.41	.39
579-24LC08BP	24LC08B/P	PDIP-8	8K	1kx8, 2.5V	.48	.47	.45
◆579-24LC08BSN	24LC08B/SN	SOIC-8	8K	1kx8, 2.5V	.48	.47	.45
◆579-24LC08B-I/SN	24LC08B-I/SN	SOIC-8	8K	1kx8, 2.5V	.48	.47	.45
◆579-24AA16-I/SN	24AA16-I/SN	SOIC-8	16K	2kx8, 1.8V	.51	.50	.48
579-24LC16BP	24LC16B/P	PDIP-8	16K	2kx8, 1.8V	.51	.50	.48
◆579-24LC16BSN	24LC16B/SN	SOIC-8	16K	2kx8, 2.5V	.51	.50	.48
579-24LC16B-I/P	24LC16B-I/P	PDIP-8	16K	2kx8, 2.5V	.51	.50	.48
◆579-24LC16B-I/SN	24LC16B-I/SN	SOIC-8	16K	2kx8, 2.5V	.51	.50	.48
579-24LC32AP	24LC32A/P	PDIP-8	32K	4kx8, 5V, 2.5V	.68	.66	.64
◆579-24LC32ASN	24LC32A/SN	SOIC-8	32K	4kx8, 5V, 2.5V	.68	.66	.64
579-24LC32A-I/P	24LC32A-I/P	PDIP-8	32K	4kx8, 5V, 2.5V	.68	.66	.64
◆579-24LC32A-I/SN	24LC32A-I/SN	SOIC-8	32K	4kx8, 5V, 2.5V	.68	.66	.64
579-24AA64-I/P	24AA64-I/P	PDIP-8	64K	8kx8, 1.8V	.80	.77	.75
579-24AA65P	24AA65/P	PDIP-8	64K	8kx8, 1.8V, Smart	2.54	2.45	2.37
◆579-24AA65SM	24AA65/SM	SOIC-8	64K	8kx8, 1.8V, Smart	2.54	2.45	2.37
579-24C65P	24C65/P	PDIP-8	64K	8kx8, Smart	2.54	2.45	2.37
◆579-24C65SM	24C65/SM	SOIC-8	64K	8kx8, Smart	2.54	2.45	2.37
579-24LC64-I/P	24LC64-I/P	PDIP-8	64K	8kx8, 2.5V	.80	.77	.75
◆579-24LC64-I/SN	24LC64-I/SN	SOIC-8	64K	8kx8, 2.5V	.80	.77	.75
579-24LC65P	24LC65/P	PDIP-8	64K	8kx8, 2.5V, Smart	2.54	2.45	2.37
◆579-24LC65SM	24LC65/SM	SOIC-8	64K	8kx8, 2.5V, Smart	2.54	2.45	2.37
◆579-24LC65-I/SM	24LC65-I/SM	SOIC-8	64K	8kx8, 2.5V, Smart	2.54	2.45	2.37
579-24AA128-I/P	24AA128-I/P	PDIP-8	128K	16kx8, 1.8V	1.22	1.18	1.15
579-24LC128-I/P	24LC128-I/P	PDIP-8	128K	16kx8, 2.5V	1.22	1.18	1.15
◆579-24LC128-I/SN	24LC128-I/SN	SOIC-8	128K	16kx8, 2.5V	1.22	1.18	1.15
579-24AA256-I/P	24AA256-I/P	PDIP-8	256K	32kx8, 1.8V	1.74	1.68	1.63
579-24LC256-I/P	24LC256-I/P	PDIP-8	256K	32kx8, 2.5V	1.74	1.68	1.63
◆579-24LC256ISM	24LC256-I/SM	SOIC-8	256K	32kx8, 2.5V	1.74	1.68	1.63
◆579-24LC256-I/SN	24LC256-I/SN	SOIC-8	256K	32kx8, 2.5V	1.74	1.68	1.63
579-24AA512-I/P	24AA512-I/P	PDIP-8	512K	64kx8, 1.8V	3.15	3.03	2.94
◆579-24AA512-I/SM	24AA512-I/SM	SOIC-8	512K	64kx8, 1.8V	3.15	3.03	2.94
579-24AA515-I/P	24AA515-I/P	PDIP-8	512K	64kx8, 64B, 1.8V	4.50	4.33	4.21
579-24FC512-I/P	24FC512-I/P	PDIP-8	512K	64kx8, 2.5V, Hi Spd	3.21	3.09	3.00
◆579-24FC512-I/SM	24FC512-I/SM	SOIC-8	512K	64kx8, 2.5V, Hi Spd	3.21	3.09	3.00
579-24LC512-I/P	24LC512-I/P	PDIP-8	512K	64kx8, 2.5V	3.15	3.03	2.94
◆579-24LC512-I/SM	24LC512-I/SM	SOIC-8	512K	64kx8, 2.5V	3.15	3.03	2.94
579-24LC515-I/P	24LC515-I/P	PDIP-8	512K	64kx8, 64B, 2.5V	4.50	4.33	4.20
◆579-24LC515-I/SM	24LC515-I/SM	SOIC-8	512K	64kx8, 64B, 2.5V	4.50	4.33	4.21

SPI™ COMPATIBLE SERIAL EEPROM FAMILY

Features:
- Range of packages including 8MF, 8SM, 8SN, ST, 8MS, and wafer
- Operating temperature of -40C to +85/+125C
- Maximum bus speed of 3-10MHz
- 8-16K & 256K densities are available in Pb free packaging
- 1.8-5.5V

◆Surface Mount Device

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package Type	Density	Organization	Price Each		
					1	10	50
579-25LC040P	25LC040/P	PDIP-8	4K	512x8, 2.5V	.77	.74	.72
◆579-25LC040SN	25LC040/SN	SOIC-8	4K	512x8, 2.5V	.77	.74	.72
◆579-25LC040-I/SN	25LC040-I/SN	SOIC-8	4K	512x8, 2.5V	.77	.74	.72
◆579-25C040SN	25C040/SN	SOIC-8	4K	512x8, 5V	.77	.74	.72
579-25AA080P	25AA080/P	PDIP-8	8K	1kx8, 1.8V	1.13	1.09	1.06
◆579-25AA080SN	25AA080/SN	SOIC-8	8K	1kx8, 1.8V	1.13	1.09	1.06
579-25LC080P	25LC080/P	PDIP-8	8K	1kx8, 2.5V	1.13	1.09	1.06
◆579-25LC080SN	25LC080/SN	SOIC-8	8K	1kx8, 2.5V	1.13	1.09	1.06
579-25C080P	25C080/P	PDIP-8	8K	1kx8, 5V	1.13	1.09	1.06
◆579-25C080SN	25C080/SN	SOIC-8	8K	1kx8, 5V	1.13	1.09	1.06
579-25LC160P	25LC160/P	PDIP-8	16K	2kx8, 2.5V	1.13	1.09	1.06
◆579-25LC160SN	25LC160/SN	SOIC-8	16K	2kx8, 2.5V	1.13	1.09	1.06
579-25C160P	25C160/P	PDIP-8	16K	2kx8, 5V	1.13	1.09	1.06
◆579-25C160SN	25C160/SN	SOIC-8	16K	2kx8, 5V	1.13	1.09	1.06
579-25LC320P	25LC320/P	PDIP-8	32K	4kx8	.93	.90	.87
◆579-25LC320SN	25LC320/SN	SOIC-8	32K	4kx8	.93	.90	.87
579-25C320P	25C320/P	PDIP-8	32K	4kx8, 5V	.93	.90	.87
◆579-25C320SN	25C320/SN	SOIC-8	32K	4kx8, 5V	.93	.90	.87
579-25AA640-I/P	25AA640-I/P	PDIP-8	64K	8kx8, 1.8V	.93	.90	.87
579-25LC640-I/P	25LC640-I/P	PDIP-8	64K	8kx8, 2.5V	.93	.90	.87
◆579-25LC640-I/SN	25LC640-I/SN	SOIC-8	64K	8kx8, 2.5V	.93	.90	.87
◆579-25LC640X-I/ST	25LC640X-I/ST	TSSOP-8	64K	8kx8, 2.5V, Rot Pin	1.00	.97	.94

MICROWIRE® COMPATIBLE SERIAL EEPROM FAMILY

Features:
- Range of packages including 8SN, ST8, 8MS, SOT6, and wafer
- Operating temperature of -40C to +85/+125C
- All densities are available in Pb free packaging
- Maximum bus speed of 3-10MHz
- 1.8-5.5V

◆Surface Mount Device

For quantities of 100 and up, call for quote.

579-93LC46/P	93LC46/P	PDIP-8	1K	128x8/64x16	.71	.69	.67
◆579-93LC46/SN	93LC46/SN	SOIC-8	1K	128x8/64x16	.71	.69	.67
579-93AA46P	93AA46/P	PDIP-8	1K	128x8-64x16, 1.8V	.71	.69	.67
◆579-93AA46SN	93AA46/SN	SOIC-8	1K	128x8-64x16, 1.8V	.71	.69	.67
579-93LC46AP	93LC46A/P	PDIP-8	1K	128x8	.39	.38	.37
◆579-93LC46ASN	93LC46A/SN	SOIC-8	1K	128x8	.39	.38	.37
579-93C46B/P	93C46B/P	PDIP-8	1K	64x16	.39	.38	.37
◆579-93C46B/SN	93C46B/SN	SOIC-8	1K	64x16	.39	.38	.37
579-93LC46BP	93LC46B/P	PDIP-8	1K	64x16	.39	.38	.37
◆579-93LC46BSN	93LC46B/SN	SOIC-8	1K	64x16	.39	.38	.37
579-93C46B-I/P	93C46B-I/P	PDIP-8	1K	64x16	.39	.38	.37
◆579-93C46B-I/SN	93C46B-I/SN	SOIC-8	1K	64x16	.39	.38	.37
579-93LC46B-I/P	93LC46B-I/P	PDIP-8	1K	64x16	.39	.38	.37
◆579-93LC46BISN	93LC46B-I/SN	SOIC-8	1K	64x16	.39	.38	.37
579-93LC56BP	93LC56B/P	PDIP-8	2K	128x16	.42	.41	.39
◆579-93LC56BSN	93LC56B/SN	SOIC-8	2K	128x16	.42	.41	.39
◆579-93LC56BISN	93LC56B-I/SN	SOIC-8	2K	128x16	.42	.41	.39
◆579-93AA56SN	93AA56/SN	SOIC-8	2K	256x8/128x16, 1.8V	.80	.77	.75
579-93LC56P	93LC56/P	PDIP-8	2K	256x8-128x16	.80	.77	.75
◆579-93LC56SN	93LC56/SN	SOIC-8	2K	256x8-128x16	.80	.77	.75
579-93LC56AP	93LC56A/P	PDIP-8	2K	256x8	.42	.41	.39
◆579-93LC56ASN	93LC56A/SN	SOIC-8	2K	256x8	.42	.41	.39
579-93LC66BP	93LC66B/P	PDIP-8	4K	256x16	.45	.44	.42
◆579-93LC66BSN	93LC66B/SN	SOIC-8	4K	256x16	.45	.44	.42
◆579-93LC66B-I/SN	93LC66B-I/SN	SOIC-8	4K	256x16	.45	.44	.42
579-93LC66P	93LC66/P	PDIP-8	4K	512x8/ 256x16	.80	.77	.75
◆579-93LC66SN	93LC66/SN	SOIC-8	4K	512x8/256x16	.80	.77	.75
579-93AA66P	93AA66/P	PDIP-8	4K	512x8/256x16, 1.8V	.80	.77	.75
◆579-93AA66SN	93AA66/SN	SOIC-8	4K	512x8/256x16, 1.8V	.80	.77	.75
579-93LC66AP	93LC66A/P	PDIP-8	4K	512x8	.45	.44	.42
◆579-93LC66ASN	93LC66A/SN	SOIC-8	4K	512x8	.45	.44	.42
579-93LC86P	93LC86/P	PDIP-8	16K	1024x16-2048x8	1.29	1.24	1.21
◆579-93LC86/SN	93LC86/SN	SOIC-8	16K	1024x16-2048x8	1.29	1.24	1.21
◆579-93LC86-I/SN	93LC86-I/SN	SOIC-8	16K	1024x16-2048x8	1.29	1.24	1.21

SII 2-WIRE BUS SERIAL EEPROMS

The Seiko S-24Cxx Series are 2-wire bus serial EEPROMs characterized by low power consumption and wide operating voltage. Each is capable of page write and sequential read.

Specifications:

- Low power consumption: Standby: 2.0 uA Max (Vcc = 5.5V)
  Read: 0.8 mA Max (Vcc = 5.5V)
- Operating voltage range: Read: 1.8 to 5.5V (at -40 to +85°C)
  Write: 2.7 to 5.5V (at -40 to +85°C)
- Operating frequency: 400 kHz (Vcc=5 V±10 %, at -40 to +85°C)
- Write disable function when power supply voltage is low
- Endurance: 100,000,000 cycles/word (at +25°C) write capable
  10,000,000 cycles/word (at +85°C)
  3 x 1,000,000 cycles/word (at +105°C)

DIP-8

S-24Cxx Series

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Case Type	Density	Organization	Temperature Range (°C)	Price Each 1	100	500	1000
Surface Mount									
628-24C01BFJ	S-24C01BFJ-TB	SOP-8	1K	128 x 8	- 40 to + 85	.32	.29	.26	.23
628-24C02BFJ	S-24C02BFJ-TB	SOP-8	2K	256 x 8	- 40 to + 85	.34	.30	.27	.24
628-24C04BFJ	S-24C04BFJ-TB	SOP-8	4K	512 x 8	- 40 to + 85	.40	.36	.32	.29
628-24CS08AFJ	S-24CS08AFJ-TB	SOP-8	8K	1K x 8	- 40 to + 85	.48	.41	.36	.34
628-24CS16A0IJ	S-24CS16A0I-J8T1	SOP-8	16K	2K x 8	- 40 to + 85	.80	.68	.60	.56
Thru-Hole									
628-24C01BDP	S-24C01BDP	DIP-8	1K	128 x 8	- 40 to + 85	.32	.29	.26	.23
628-24C02BDP	S-24C02BDP	DIP-8	2K	256 x 8	- 40 to + 85	.34	.30	.27	.24
628-24C04BDP	S-24C04BDP	DIP-8	4K	512 x 8	- 40 to + 85	.40	.36	.32	.29
628-24CS08ADP	S-24CS08ADP	DIP-8	8K	1K x 8	- 40 to + 85	.48	.41	.36	.34
628-24CS16A0ID	S-24CS16A0I-D8S1	DIP-8	16K	2K x 8	- 40 to + 85	.80	.68	.60	.56

SII 3-WIRE BUS SERIAL EEPROMS

The Seiko S-93Cxx Series are high speed, low power EEPROMs with a wide operating voltage range. Each is capable of sequential read, at which time addresses are automatically incremented in 16-bit blocks. The instruction code is compatible with the NM93CS46/56/66 Series.

Specifications:

- Low current consumption: Standby: 1.5 uA Max (Vcc = 5.5V)
  Operating: 0.8 mA Max (Vcc = 5.5V)
  0.4 mA Max (Vcc = 2.5V)
- Operating voltage range: Read: 1.8 to 5.5V (at -40 to +85°C)
  Write: 2.7 to 5.5V (at -40 to +85°C)
- Write disable function when power supply voltage is low
- Function to protect against write due to erroneous instruction recognition
- Endurance: 10,000,000 cycles/word (at +85°C)
  3 x 1,000,000 cycles/word (at +105°C)
  100,000,000 cycles/word (at +25°C)
- Data retention: 10 years (after 10,000,000 cycles/word at +85°C)

TSSOP-8

S-93Cxx Series

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Case Type	Density	Organization	Temperature Range (°C)	Volt. Range	Volt Range (Max)	Price Each 1	100	500	1000
Surface Mount											
628-93C46ADF	S-93C46ADFJ-TB	SOP2-8	1K	64 x 16	- 40 to + 85	1.8 to 5.5	1.0	.34	.29	.26	.24
628-93C56ADF	S-93C56ADFJ-TB	SOP2-8	2K	128 x 16	- 40 to + 85	1.8 to 5.5	1.0	.38	.32	.29	.27
628-93C66ADF	S-93C66ADFJ-TB	SOP2-8	4K	256 x 16	- 40 to + 85	1.8 to 5.5	1.0	.80	.68	.60	.56
Thru-Hole											
628-93C46ADP	S-93C46ADP-1A	DIP-8	1K	64 x 16	- 40 to + 85	1.8 to 5.5	1.0	.34	.29	.26	.24
628-93C56ADP	S-93C56ADP-1A	DIP-8	2K	128 x 16	- 40 to + 85	1.8 to 5.5	1.0	.38	.32	.29	.27
628-93C66ADP	S-93C66ADP-1A	DIP-8	4K	256 x 16	- 40 to + 85	1.8 to 5.5	1.0	.36	.31	.27	.25

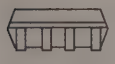
SII REAL TIME CLOCKS (RTC)

The S-35190A and S-35390A are low-current-consumption CMOS real-time clock ICs that feature a wide operating voltage range (1.3 V to 5.5 V) and can be driven on a variety of supply voltages, from a main supply to a backup supply. The time keeping current consumption of 0.25 μA and minimum time keeping operation voltage of 1.1 V enable greatly increased battery duration.

Specifications:

- Low current consumption: Standby: 1.5 uA Max (Vcc = 5.5V)
- Wide operating range: 1.3 to 5.5V
- Minimum time keeping operation voltage: 1.1 V
- Built-in clock adjustment function
- Built-in free user register
- Built-in alarm interrupter
- Built-in flag generator at power down or power on
- Auto calendar up to the year 2099, automatic leap year calculation function
- Built-in constant voltage circuit
- Built-in 32 kHz crystal oscillator (Cd built in, Cg external)

SOP-8
SOP2-8



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Case Type	Supply Volt.(Typ.)	Bus Type	Temperature Range (°C)	Supply Volt. Range	Time Keeping Volt Range (Max)	Price Each 1	100	500	1000
Surface Mount											
628-35390A-T8	S-35390A-T8T1	TSSOP-8	3.0	2-Wire	- 40 to + 85	1.3 to 5.5	5.5	.94	.80	.71	.66
628-35190A-T8	S-35190A-T8T1	TSSOP-8	3.0	3-Wire	- 40 to + 85	1.3 to 5.5	5.5	.94	.80	.71	.66

SII SINGLE GATE MINI-LOGIC

The S-75V series is a single gate fabricated by utilizing advanced silicon-gate CMOS technology which provides the inherent benefit of CMOS low power consumption to achieve ultra high speed operation correspond to LSTTL IC' s. Input voltage is allowed to be applied even if power voltage is not supplied because no diode is inserted between an input pin and VCC. This allows for interfaces between power supplies of different voltage, output level conversion from 5 V to 3 V and battery backup applications.

Specifications:

- Supply voltage: 2.0 to 5.5V
- Operating temperature: -40°C to +85°C
- Output current: +/- 25mA
- Propagation delay time: 3.5ns @ 5V

Applications:

- Personal computers, peripherals
- Cell phones
- Cameras
- Games

S-75V Series (High Speed)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Description	Price Each 1	100	500	1000
Surface Mount							
628-75V00AN	S-75V00ANC-5V1-T2	SC-88A	Single 2-input NAND gate	.23	.20	.18	.16
628-75V02AN	S-75V02ANC-5V3-T2	SC-88A	Single 2-input NOR gate	.23	.20	.18	.16
628-75V04AN	S-75V05ANC-5V5-T2	SC-88A	Single unbuffered inverter	.23	.20	.18	.16
628-75V08AN	S-75V08ANC-5V2-T2	SC-88A	Single 2-input AND gate	.23	.20	.18	.16
628-75V14AN	S-75V14ANC-5V1-T2	SC-88A	Single schmitt inverter	.23	.20	.18	.16
628-75V32AN	S-75V32ANC-5V4-T2	SC-88A	Single 2-input OR gate	.23	.20	.18	.16
628-75V86AN	S-75V86ANC-5V8-T2	SC-88A	Single exclusive OR gate	.23	.20	.18	.16
628-75VU04AN	S-75VU04ANC-5V6-T2	SC-88A	Single inverter w/o buffer	.23	.20	.18	.16

The S-75L series is a single gate fabricated by utilizing advanced silicon-gate CMOS technology which provides the inherent benefit of CMOS low power consumption to achieve operation by only a couple of batteries (1 to 3V). Input voltage is allowed to be applied even if power voltage is not supplied because no diode is inserted between an input pin and VCC. This allows for interfaces between power supplies of different voltage, output level conversion from 3V to 1V and battery backup applications.

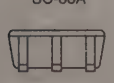
Specifications:

- Supply voltage: 1.0 to 3.6V
- Operating temperature: -40°C to +85°C
- Output current: +/- 12.5mA
- Propagation delay time: 7ns @ 3V

Applications:

- Personal computers, peripherals
- Cell phones
- Cameras
- Games

SC-88A

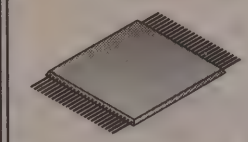


S-75L Series (Low Voltage)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Description	Price Each 1	100	500	1000
Surface Mount							
628-75L00AN	S-75L00ANC-5L1-T2	SC-88A	Single 2-input NAND gate	.25	.22	.20	.18
628-75L02AN	S-75L02ANC-5L3-T2	SC-88A	Single 2-input NOR gate	.25	.22	.20	.18
628-75L04AN	S-75L04ANC-5L5-T2	SC-88A	Single unbuffered inverter	.25	.22	.20	.18
628-75L08AN	S-75L08ANC-5L2-T2	SC-88A	Single 2-input AND gate	.25	.22	.20	.18
628-75L14AN	S-75L14ANC-5LA-T2	SC-88A	Single schmitt inverter	.25	.22	.20	.18
628-75L32AN	S-75L32ANC-5L4-T2	SC-88A	Single 2-input OR gate	.25	.22	.20	.18
628-75L86AN	S-75L86ANC-5L8-T2	SC-88A	Single exclusive OR gate	.25	.22	.20	.18
628-75LU04AN	S-75LU04ANC-5L6-T2	SC-88A	Single inverter w/o buffer	.25	.22	.20	.18

Flash and Small Sector Flash Memory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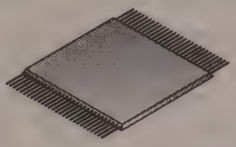
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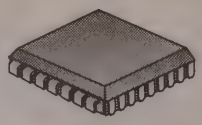
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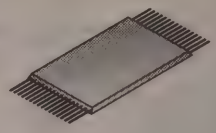
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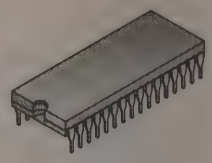

DIP-32

SHARP MICROELECTRONICS OF THE AMERICAS MICROELECTRONICS FLASH MEMORY

NEW SUPPLIER

Sharp Microelectronics offers low power, high density, low cost, nonvolatile read/write storage solutions for a wide range of applications.
The memory array block architecture utilizes Enhanced Data Protection features, which provide maximum flexibility for safe nonvolatile code and data storage.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Sharp Part No.	Package	Organization	Density	Supply Voltage		Flash Type	Price Each			
					Program	Read		1	10	25	50
852-LHF00L31	LHF00L31	TSOP-48	x16	16Mb	3V or 12V	3V	Bottom Boot	6.83	5.85	4.88	3.90
852-LHF00L30	LHF00L30	TSOP-48	x16	16Mb	3V or 12V	3V	Top Boot	6.83	5.85	4.88	3.90
852-LHF00L29	LHF00L29	TSOP-48	x16	16Mb	3V or 12V	3V	Bottom Boot	6.83	5.85	4.88	3.90
852-LHF00L28	LHF00L28	TSOP-48	x16	16Mb	3V or 12V	3V	Top Boot	6.83	5.85	4.88	3.90
852-LHF00L15	LHF00L15	TSOP-48	x16	32Mb	3V or 12V	3V	Bottom Boot	12.53	10.74	8.95	7.16
852-LHF00L14	LHF00L14	TSOP-48	x16	32Mb	3V or 12V	3V	Top Boot	12.53	10.74	8.95	7.16
852-LHF00L13	LHF00L13	TSOP-48	x16	32Mb	3V or 12V	3V	Bottom Boot	12.53	10.74	8.95	7.16
852-LHF00L12	LHF00L12	TSOP-48	x16	32Mb	3V or 12V	3V	Top Boot	12.53	10.74	8.95	7.16
852-LH28F640SPHT	LH28F640SPHT-PTLZ8	TSOP-56	x8/x16	64Mb	3V or 12V	3V	Symmetrical	19.36	16.59	13.83	11.06
852-LH28F640BFHE	LH28F640BFHE-PBTL70A	TSOP-48	x16	64Mb	3V or 12V	3V	Bottom Boot	25.73	22.05	18.38	14.70
852-LH28F128BFHT	LH28F128BFHT-PBTL75A	TSOP-56	x16	128Mb	3V or 12V	3V	Bottom Boot	45.50	39.00	32.50	26.00

SST 29 SERIES SSF SMALL-SECTOR FLASH

SSF is a cost-effective flash memory that brings to flash the flexibility of programming single Bytes and erasing small 128 Byte/ 256 Byte sectors. These products are offered in x8 organizations, at single 5.0V or 2.7-3.6V power-supply voltages.

Features:

- The SST29xE Series: Page Mode-Small Erase Sector Flash Memories
  - Small page size of 128 Bytes
  - Writing is done on a page-by-page basis

For quantities 250 and up, call for quote.

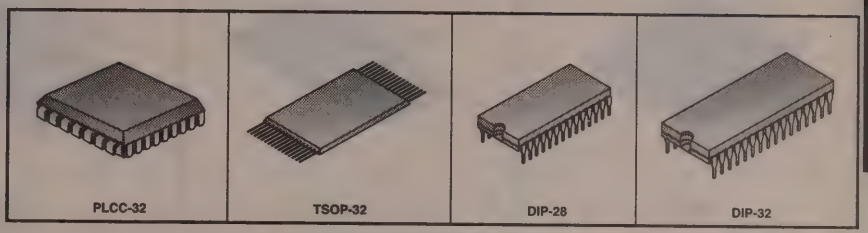
MOUSER STOCK NO.	SST Part No.	Package	Density	Organization	Access Time	Chip Rewrite Time (Typical)	Supply Voltage V_{DD}	Operating Temperature	Price Each		
									1	50	100
804-29EE5127CNH	SST29EE512-70-4C-NH	PLCC-32	512 Kb	64K X 8	70ns	2.5 sec.	4.5 to 5.5V	0°C to +70°C	1.70	1.53	1.45
804-29EE5127CEH	SST29EE512-70-4C-EH	TSOP-32	512 Kb	64K X 8	70ns	2.5 sec.	4.5 to 5.5V	0°C to +70°C	2.06	1.85	1.75
804-29EE5127CPH	SST29EE512-70-4C-PH	PDIP-32	512 Kb	64K X 8	70ns	2.5 sec.	4.5 to 5.5V	0°C to +70°C	1.90	1.71	1.62
804-29EE5127INH	SST29EE512-70-4I-NH	PLCC-32	512 Kb	64K X 8	70ns	2.5 sec.	4.5 to 5.5V	-40°C to +85°C	2.04	1.84	1.73
804-29LE51215CNH	SST29LE512-150-4C-NH	PLCC-32	512 Kb	64K X 8	150ns	2.5 sec.	3.0 to 3.6	0°C to +70°C	1.76	1.58	1.50
804-29LE51215CEH	SST29LE512-150-4C-EH	TSOP-32	512 Kb	64K X 8	150ns	2.5 sec.	3.0 to 3.6	0°C to +70°C	2.12	1.91	1.80
804-29LE51215INH	SST29LE512-150-4I-NH	PLCC-32	512 Kb	64K X 8	150ns	2.5 sec.	3.0 to 3.6	-40°C to +85°C	2.11	1.90	1.80
804-29LE51215IEH	SST29LE512-150-4I-EH	TSOP-32	512 Kb	64K X 8	200ns	2.5 sec.	3.0 to 3.6	-40°C to +85°C	2.54	2.29	2.16
804-29VE51220CNH	SST29VE512-200-4C-NH	PLCC-32	512 Kb	64K X 8	200ns	2.5 sec.	2.7 to 3.6V	0°C to +70°C	1.70	1.53	1.45
804-29VE51220CEH	SST29VE512-200-4C-EH	TSOP-32	512 Kb	64K X 8	200ns	2.5 sec.	2.7 to 3.6V	0°C to +70°C	2.06	1.85	1.75
804-29VE51220IEH	SST29VE512-200-4I-EH	TSOP-32	512 Kb	64K X 8	200ns	2.5 sec.	2.7 to 3.6V	-40°C to +85°C	2.47	2.22	2.10
804-29EE0107CNH	SST29EE010-70-4C-NH	PLCC-32	1 Mb	128K X 8	70ns	5.0 sec.	4.5 to 5.5V	0°C to +70°C	1.59	1.43	1.35
804-29EE0107CWH	SST29EE010-70-4C-WH	TSOP-32	1 Mb	128K X 8	70ns	5.0 sec.	4.5 to 5.5V	0°C to +70°C	1.59	1.43	1.35
804-29EE0107CEH	SST29EE010-70-4C-EH	TSOP-32	1 Mb	128K X 8	70ns	5.0 sec.	4.5 to 5.5V	0°C to +70°C	1.96	1.76	1.66
804-29EE0107CPH	SST29EE010-70-4C-PH	PDIP-32	1 Mb	128K X 8	70ns	5.0 sec.	4.5 to 5.5V	0°C to +70°C	1.79	1.61	1.52
804-29EE0109CNH	SST29EE010-90-4C-NH	PLCC-32	1 Mb	128K X 8	90ns	5.0 sec.	4.5 to 5.5V	0°C to +70°C	1.56	1.40	1.33
804-29EE0109CWH	SST29EE010-90-4C-WH	TSOP-32	1 Mb	128K X 8	90ns	5.0 sec.	4.5 to 5.5V	0°C to +70°C	1.56	1.40	1.33
804-29EE0109CEH	SST29EE010-90-4C-EH	TSOP-32	1 Mb	128K X 8	90ns	5.0 sec.	4.5 to 5.5V	0°C to +70°C	1.92	1.73	1.63
804-29EE0109CPH	SST29EE010-90-4C-PH	PDIP-32	1 Mb	128K X 8	90ns	5.0 sec.	4.5 to 5.5V	0°C to +70°C	1.76	1.58	1.50
804-29EE0107INH	SST29EE010-70-4I-NH	PLCC-32	1 Mb	128K X 8	70ns	5.0 sec.	4.5 to 5.5V	-40°C to +85°C	1.91	1.72	1.62
804-29EE0107IEH	SST29EE010-70-4I-EH	TSOP-32	1 Mb	128K X 8	70ns	5.0 sec.	4.5 to 5.5V	-40°C to +85°C	2.35	2.12	2.00
804-29LE01015CNH	SST29LE010-150-4C-NH	PLCC-32	1 Mb	128K X 8	150ns	5.0 sec.	3.0 to 3.6	0°C to +70°C	1.52	1.37	1.29
804-29LE01015CWH	SST29LE010-150-4C-WH	TSOP-32	1 Mb	128K X 8	150ns	5.0 sec.	3.0 to 3.6	0°C to +70°C	1.52	1.37	1.29
804-29LE01015CEH	SST29LE010-150-4C-EH	TSOP-32	1 Mb	128K X 8	150ns	5.0 sec.	3.0 to 3.6	0°C to +70°C	1.88	1.69	1.60
804-29LE01015INH	SST29LE010-150-4I-NH	PLCC-32	1 Mb	128K X 8	150ns	5.0 sec.	3.0 to 3.6	-40°C to +85°C	1.82	1.64	1.55
804-29LE01015IEH	SST29LE010-150-4I-EH	TSOP-32	1 Mb	128K X 8	150ns	5.0 sec.	2.7 to 3.6V	-40°C to +85°C	2.26	2.03	1.92
804-29VE01020CNH	SST29VE010-200-4C-NH	PLCC-32	1 Mb	128K X 8	200ns	5.0 sec.	2.7 to 3.6V	0°C to +70°C	1.52	1.37	1.29
804-29VE01020CWH	SST29VE010-200-4C-WH	TSOP-32	1 Mb	128K X 8	200ns	5.0 sec.	2.7 to 3.6V	0°C to +70°C	1.52	1.37	1.29
804-29VE01020CEH	SST29VE010-200-4C-EH	TSOP-32	1 Mb	128K X 8	200ns	5.0 sec.	2.7 to 3.6V	0°C to +70°C	1.88	1.69	1.60
804-29EE02012CNH	SST29EE020-120-4C-NH	PLCC-32	2 Mb	256K X 8	120ns	10 sec.	4.5 to 5.5V	0°C to +70°C	2.20	1.98	1.87
804-29EE02012CEH	SST29EE020-120-4C-EH	TSOP-32	2 Mb	256K X 8	120ns	10 sec.	4.5 to 5.5V	0°C to +70°C	2.56	2.30	2.18
804-29EE02012CPH	SST29EE020-120-4C-PH	PDIP-32	2 Mb	256K X 8	120ns	10 sec.	4.5 to 5.5V	0°C to +70°C	2.40	2.16	2.04
804-29EE02012INH	SST29EE020-120-4I-NH	PLCC-32	2 Mb	256K X 8	120ns	10 sec.	4.5 to 5.5V	-40°C to +85°C	2.64	2.38	2.24
804-29EE02012IEH	SST29EE020-120-4I-EH	TSOP-32	2 Mb	256K X 8	120ns	10 sec.	4.5 to 5.5V	-40°C to +85°C	3.07	2.76	2.61
804-29LE02020CNH	SST29LE020-200-4C-NH	PLCC-32	2 Mb	256K X 8	200ns	10 sec.	3.0 to 3.6	0°C to +70°C	2.24	2.02	1.90
804-29LE02020CEH	SST29LE020-200-4C-EH	TSOP-32	2 Mb	256K X 8	200ns	10 sec.	3.0 to 3.6	0°C to +70°C	2.60	2.34	2.21
804-29LE02020INH	SST29LE020-200-4I-NH	PLCC-32	2 Mb	256K X 8	200ns	10 sec.	3.0 to 3.6	-40°C to +85°C	2.69	2.42	2.28
804-29LE02020IEH	SST29LE020-200-4I-EH	TSOP-32	2 Mb	256K X 8	200ns	10 sec.	3.0 to 3.6	-40°C to +85°C	3.12	2.81	2.65
804-29VE02020CNH	SST29VE020-200-4C-NH	PLCC-32	2 Mb	256K X 8	200ns	10 sec.	2.7 to 3.6V	0°C to +70°C	2.24	2.02	1.90
804-29VE02020CEH	SST29VE020-200-4C-EH	TSOP-32	2 Mb	256K X 8	200ns	10 sec.	2.7 to 3.6V	0°C to +70°C	2.60	2.34	2.21
804-29VE02020INH	SST29VE020-200-4I-NH	PLCC-32	2 Mb	256K X 8	200ns	10 sec.	2.7 to 3.6V	-40°C to +85°C	2.69	2.42	2.28
804-29VE02020IEH	SST29VE020-200-4I-EH	TSOP-32	2 Mb	256K X 8	200ns	10 sec.	2.7 to 3.6V	-40°C to +85°C	3.12	2.81	2.65

SST 27, 37 SERIES MTP (MANY TIME PROGRAMMABLE)

MTP products combine the electrical erasability of flash with the cost effectiveness of EPROM/OTP and the low-end flash market that does not require ISP (In-System Programming).

Features:

- Organized as 32K x8 / 64K x8 / 128K x8 / 256K x8
- Low Power Consumption:
  - Active Current: 20 mA (typical)
  - Standby Current: 10 µA (typical))
- TTL I/O Compatibility
- JEDEC Standard Byte-wide EPROM Pinouts



For quantities 250 and up, call for quote.

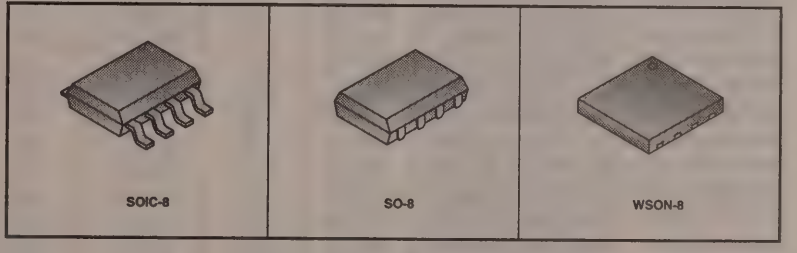
MOUSER STOCK NO.	SST Part No.	Package	Density	Organization	Access Time	Chip Program Time (Typical)	Supply Voltage		Operating Temperature	Price Each		
							V_{DD}	V_{PP}, or V_H		1	50	100
804-27SF2567CNH	SST27SF256-70-3C-NH	PLCC-32	256Kbits	32K X 8	70ns	0.7 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.02	.92	.87
804-27SF2567CPG	SST27SF256-70-3C-PG	PDIP-28	256Kbits	32K X 8	70ns	0.7 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.22	1.10	1.04
804-27SF2569CNH	SST27SF256-90-3C-NH	PLCC-32	256Kbits	32K X 8	90ns	0.7 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.06	.95	.90
804-27SF2569CPG	SST27SF256-90-3C-PG	PDIP-28	256Kbits	32K X 8	90ns	0.7 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.26	1.13	1.07
804-27SF5127CNH	SST27SF512-70-3C-NH	PLCC-32	512Kbits	64K X 8	70ns	1.4 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.06	.95	.90
804-27SF5127CPG	SST27SF512-70-3C-PG	PDIP-28	512Kbits	64K X 8	70ns	1.4 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.26	1.13	1.07
804-27SF5129CNH	SST27SF512-90-3C-NH	PLCC-32	512Kbits	64K X 8	90ns	1.4 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.10	.99	.94
804-27SF5129CPG	SST27SF512-90-3C-PG	PDIP-28	512Kbits	64K X 8	90ns	1.4 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.30	1.17	1.11
804-27SF0107CNH	SST27SF010-70-3C-NH	PLCC-32	1 Mb	128K X 8	70ns	2.8 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.22	1.10	1.04
804-27SF0107CWH	SST27SF010-70-3C-WH	TSOP-32	1 Mb	128K X 8	70ns	2.8 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.22	1.10	1.04
804-27SF0107CPH	SST27SF010-70-3C-PH	PDIP-32	1 Mb	128K X 8	70ns	2.8 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.42	1.28	1.21
804-37VF0107CNH	SST37VF010-70-3C-NH	PLCC-32	1 Mb	128K X 8	70ns	1.2 Sec	2.7 to 3.6	11.4 to 12.6	0°C to +70°C	1.08	.97	.92
804-37VF0107CWH	SST37VF010-70-3C-WH	TSOP-32	1 Mb	128K X 8	70ns	1.2 Sec	2.7 to 3.6	11.4 to 12.6	0°C to +70°C	1.14	1.03	.97
804-27SF0109CNH	SST27SF010-90-3C-NH	PLCC-32	1 Mb	128K X 8	90ns	2.8 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.26	1.13	1.07
804-27SF0109CWH	SST27SF010-90-3C-WH	TSOP-32	1 Mb	128K X 8	90ns	2.8 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.26	1.13	1.07
804-27SF0109CPH	SST27SF010-90-3C-PH	PDIP-32	1 Mb	128K X 8	90ns	2.8 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.46	1.31	1.24
804-27SF0207CNH	SST27SF020-70-3C-NH	PLCC-32	2 Mb	256K X 8	70ns	5.6 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.46	1.31	1.24
804-27SF0207CWH	SST27SF020-70-3C-WH	TSOP-32	2 Mb	256K X 8	70ns	5.6 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.46	1.31	1.24
804-27SF0207CPH	SST27SF020-70-3C-PH	PDIP-32	2 Mb	256K X 8	70ns	5.6 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.66	1.49	1.41
804-37VF0207CNH	SST37VF020-70-3C-NH	PLCC-32	2 Mb	256K X 8	70ns	2.4 Sec	2.7 to 3.6	11.4 to 12.6	0°C to +70°C	1.16	1.04	.99
804-37VF0207CWH	SST37VF020-70-3C-WH	TSOP-32	2 Mb	256K X 8	70ns	2.4 Sec	2.7 to 3.6	11.4 to 12.6	0°C to +70°C	1.36	1.22	1.16
804-27SF0209CNH	SST27SF020-90-3C-NH	PLCC-32	2 Mb	256K X 8	90ns	5.6 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.50	1.35	1.28
804-27SF0209CWH	SST27SF020-90-3C-WH	TSOP-32	2 Mb	256K X 8	90ns	5.6 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.50	1.35	1.28
804-27SF0209CPH	SST27SF020-90-3C-PH	PDIP-32	2 Mb	256K X 8	90ns	5.6 Sec	4.5 to 5.5	11.4 to 12.6	0°C to +70°C	1.70	1.53	1.45
804-37VF0407CNH	SST37VF040-70-3C-NH	PLCC-32	4 Mb	512K X 8	70ns	4.8 Sec	2.7 to 3.6	11.4 to 12.6	0°C to +70°C	2.14	1.93	1.82
804-37VF0407CWH	SST37VF040-70-3C-WH	TSOP-32	4 Mb	512K X 8	70ns	4.8 Sec	2.7 to 3.6	11.4 to 12.6	0°C to +70°C	2.14	1.93	1.82

SST 25 SERIES SERIAL FLASH

SST's serial flash family features a four-wire, SPI-compatible interface that allows for a low pin-count package occupying less board space and ultimately lowering total system costs. A write protect (WP#) inhibits the entire memory from write operation and a hardware reset pin (RST#) resets the device to standby mode.

Features:

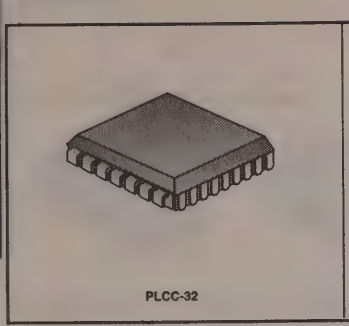
- Single Voltage Read and Write Operations
  - 2.7-3.6V for SST 25 Series
  - 3.0-3.6V for SST 45 Series
- Superior Reliability
  - Endurance: 100,000 Cycles (typical)
  - Greater than 100 years Data Retention
- Low Power Consumption
  - Active Current: 10 mA (typical)
  - Standby Current: 10 µA (typical)



For quantities 250 and up, call for quote.

MOUSER STOCK NO.	SST Part No.	Package	Density	Organization	Frequency (MHz)	Byte Program Time (Typical)	Supply Voltage V_{DD}	Operating Temperature	Price Each		
									1	50	100
804-25VF5122CSA	SST25VF512-20-4C-SA	SOIC-8	512Kb	64K X 8	20	14 µs	2.7 to 3.6V	0°C to +70°C	1.04	.94	.88
804-25VF5122CQA	SST25VF512-20-4C-QA	WSON-8	512Kb	64K X 8	20	14 µs	2.7 to 3.6V	0°C to +70°C	1.24	1.12	1.05
804-25VF0102CSA	SST25VF010-20-4C-SA	SOIC-8	1 Mb	128K X 8	20	14 µs	2.7 to 3.6V	0°C to +70°C	1.34	1.21	1.14
804-25VF0102CQA	SST25VF010-20-4C-QA	WSON-8	1 Mb	128K X 8	20	14 µs	2.7 to 3.6V	0°C to +70°C	1.52	1.37	1.29
804-25VF0202CSA	SST25VF020-20-4C-SA	SOIC-8	2 Mb	256K X 8	20	14 µs	2.7 to 3.6V	0°C to +70°C	1.54	1.39	1.31
804-25VF0202CQA	SST25VF020-20-4C-QA	WSON-8	2 Mb	256K X 8	20	14 µs	2.7 to 3.6V	0°C to +70°C	1.74	1.57	1.48
804-25VF0202EQA	SST25VF020-20-4E-QA	WSON-8	2 Mb	256K X 8	20	14 µs	2.7 to 3.6V	0°C to +70°C	2.82	2.59	2.35
804-25VF0202ESA	SST25VF020-20-4E-SA	SOIC-8	2 Mb	256K X 8	20	14 µs	2.7 to 3.6V	0°C to +70°C	2.52	2.31	2.10
804-25VF0202ISA	SST25VF020-20-4I-SA	SOIC-8	2 Mb	256K X 8	20	14 µs	2.7 to 3.6V	-40°C to +85°C	1.85	1.66	1.57
804-25VF0202IQA	SST25VF020-20-4I-QA	WSON-8	2 Mb	256K X 8	20	14 µs	2.7 to 3.6V	-40°C to +85°C	2.09	1.88	1.77
804-25VF0402CQA	SST25VF040-20-4C-QA	WSON-8	4 Mb	512K X 8	20	14 µs	2.7 to 3.6V	0°C to +70°C	2.14	1.93	1.82
804-25VF0402EQA	SST25VF040-20-4E-QA	WSON-8	4 Mb	512K X 8	20	14 µs	2.7 to 3.6V	0°C to +70°C	5.28	4.84	4.40
804-25VF0402IQA	SST25VF040-20-4I-QA	WSON-8	4 Mb	512K X 8	20	14 µs	2.7 to 3.6V	-40°C to +85°C	2.57	2.31	2.18
804-25LF080ACS2A	SST25LF080A-33-4C-S2A	SOIC-8	8 Mb	1 Mb X 8	33	14 µs	3.0 to 3.6V	0°C to +70°C	3.07	2.76	2.61

SST Multi-Purpose Flash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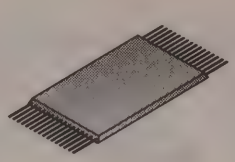
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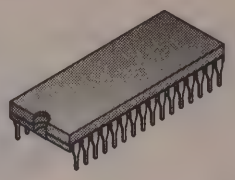
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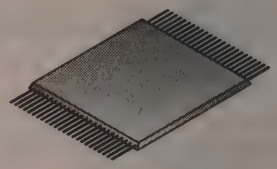

TSOP-48

SST 39 SERIES MPF (MULTI-PURPOSE FLASH)

MPF is a cost-effective flash memory that addresses mainstream flash applications that require ISP (In-System Programming). These products are offered in x8 or x16 organizations at single 5.0V or 2.7-3.6V power supply voltages. In addition to the standard read access speed of 70 ns, SST also offers high-speed, low-voltage MPF products with access times of 45 and 55 ns. All 39 Series products use JEDEC standard package/pinout and command set for ease of use.

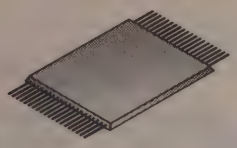
Features:

- Single 4.5-5.5V Read and Write Operations
- Sector-Erase Capability, Uniform 4K Bytes sectors
- TTL I/O Compatibility

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	SST Part No.	Package	Density	Organization	Access Time	Chip Rewrite Time (Typical)	Supply Voltage V_{DD}	Operating Temperature	Price Each		
									1	50	100
804-39LF5125CNH	SST39LF512-45-4C-NH	PLCC-32	512Kb	64K X 8	45ns	1 Sec.	3.0 to 3.6	0°C to +70°C	1.63	1.47	1.39
804-39LF5125CWH	SST39LF512-45-4C-WH	TSOP-32	512Kb	64K X 8	45ns	1 Sec.	3.0 to 3.6	0°C to +70°C	1.70	1.53	1.45
804-39SF5127CNH	SST39SF512-70-4C-NH	PLCC-32	512Kb	64K X 8	70ns	2 Sec.	4.5 to 5.5	0°C to +70°C	1.54	1.39	1.31
804-39SF5127CWH	SST39SF512-70-4C-WH	TSOP-32	512Kb	64K X 8	70ns	2 Sec.	4.5 to 5.5	0°C to +70°C	1.60	1.44	1.36
804-39SF5127CPH	SST39SF512-70-4C-PH	PDIP-32	512Kb	64K X 8	70ns	2 Sec.	4.5 to 5.5	0°C to +70°C	1.80	1.62	1.53
804-39SF5127INH	SST39SF512-70-4I-NH	PLCC-32	512Kb	64K X 8	70ns	2 Sec.	4.5 to 5.5	-40°C to +85°C	1.85	1.66	1.57
804-39SF5127IWH	SST39SF512-70-4I-WH	TSOP-32	512Kb	64K X 8	70ns	2 Sec.	4.5 to 5.5	-40°C to +85°C	1.92	1.73	1.63
804-39VF5127CNH	SST39VF512-70-4C-NH	PLCC-32	512Kb	64K X 8	70ns	1 Sec.	2.7 to 3.6	0°C to +70°C	1.42	1.28	1.21
804-39VF5127CWH	SST39VF512-70-4C-WH	TSOP-32	512Kb	64K X 8	70ns	1 Sec.	2.7 to 3.6	0°C to +70°C	1.48	1.33	1.26
804-39VF5127INH	SST39VF512-70-4I-NH	PLCC-32	512Kb	64K X 8	70ns	1 Sec.	2.7 to 3.6	-40°C to +85°C	1.70	1.53	1.45
804-39VF5127IWH	SST39VF512-70-4I-WH	TSOP-32	512Kb	64K X 8	70ns	1 Sec.	2.7 to 3.6	-40°C to +85°C	1.78	1.60	1.51
804-39SF010A5CNH	SST39SF010A-45-4C-NH	PLCC-32	1 Mb	128K X 8	45ns	2 Sec.	4.5 to 5.5	0°C to +70°C	1.89	1.70	1.60
804-39SF010A5CWH	SST39SF010A-45-4C-WH	TSOP-32	1 Mb	128K X 8	45ns	2 Sec.	4.5 to 5.5	0°C to +70°C	1.89	1.70	1.60
804-39SF010A5INH	SST39SF010A-45-4I-NH	PLCC-32	1 Mb	128K X 8	45ns	2 Sec.	4.5 to 5.5	-40°C to +85°C	2.26	2.04	1.92
804-39LF0105CNH	SST39LF010-45-4C-NH	PLCC-32	1 Mb	128K X 8	45ns	2 Sec.	3.0 to 3.6	0°C to +70°C	1.89	1.70	1.60
804-39LF0105CWH	SST39LF010-45-4C-WH	TSOP-32	1 Mb	128K X 8	45ns	2 Sec.	3.0 to 3.6	0°C to +70°C	1.89	1.70	1.60
804-39SF010A7CNH	SST39SF010A-70-4C-NH	PLCC-32	1 Mb	128K X 8	70ns	2 Sec.	4.5 to 5.5	0°C to +70°C	1.70	1.53	1.45
804-39SF010A7CWH	SST39SF010A-70-4C-WH	TSOP-32	1 Mb	128K X 8	70ns	2 Sec.	4.5 to 5.5	0°C to +70°C	1.70	1.53	1.45
804-39SF010A7CPH	SST39SF010A-70-4C-PH	PDIP-32	1 Mb	128K X 8	70ns	2 Sec.	4.5 to 5.5	0°C to +70°C	1.90	1.71	1.62
804-39SF010A7IWH	SST39SF010A-70-4I-WH	TSOP-32	1 Mb	128K X 8	70ns	2 Sec.	4.5 to 5.5	-40°C to +85°C	2.04	1.84	1.73
804-39SF010A7INH	SST39SF010A-70-4I-NH	PLCC-32	1 Mb	128K X 8	70ns	2 Sec.	4.5 to 5.5	-40°C to +85°C	2.04	1.84	1.73
804-39VF0107CNH	SST39VF010-70-4C-NH	PLCC-32	1 Mb	128K X 8	70ns	2 Sec.	2.7 to 3.6	0°C to +70°C	1.67	1.51	1.42
804-39VF0107CWH	SST39VF010-70-4C-WH	TSOP-32	1 Mb	128K X 8	70ns	2 Sec.	2.7 to 3.6	0°C to +70°C	1.67	1.51	1.42
804-39VF0107INH	SST39VF010-70-4I-NH	PLCC-32	1 Mb	128K X 8	70ns	2 Sec.	2.7 to 3.6	-40°C to +85°C	2.01	1.81	1.71
804-39VF0107IWH	SST39VF010-70-4I-WH	TSOP-32	1 Mb	128K X 8	70ns	2 Sec.	2.7 to 3.6	-40°C to +85°C	2.01	1.81	1.71
804-39SF020A5CNH	SST39SF020A-45-4C-NH	PLCC-32	2 Mb	256K X 8	45ns	4 Sec.	4.5 to 5.5	0°C to +70°C	1.84	1.66	1.56
804-39SF020A5CWH	SST39SF020A-45-4C-WH	TSOP-32	2 Mb	256K X 8	45ns	4 Sec.	4.5 to 5.5	0°C to +70°C	1.84	1.66	1.56
804-39SF020A5INH	SST39SF020A-45-4I-NH	PLCC-32	2 Mb	256K X 8	45ns	4 Sec.	4.5 to 5.5	-40°C to +85°C	2.21	1.99	1.88
804-39SF020A5IWH	SST39SF020A-45-4I-WH	TSOP-32	2 Mb	256K X 8	45ns	4 Sec.	4.5 to 5.5	-40°C to +85°C	2.21	1.99	1.88
804-39LF0205CNH	SST39LF020-45-4C-NH	PLCC-32	2 Mb	256K X 8	45ns	4 Sec.	3.0 to 3.6	0°C to +70°C	2.16	1.94	1.83
804-39LF0205CWH	SST39LF020-45-4C-WH	TSOP-32	2 Mb	256K X 8	45ns	4 Sec.	3.0 to 3.6	0°C to +70°C	2.16	1.94	1.83
804-39SF020A7CNH	SST39SF020A-70-4C-NH	PLCC-32	2 Mb	256K X 8	70ns	4 Sec.	4.5 to 5.5	0°C to +70°C	1.60	1.44	1.36
804-39SF020A7CWH	SST39SF020A-70-4C-WH	TSOP-32	2 Mb	256K X 8	70ns	4 Sec.	4.5 to 5.5	0°C to +70°C	1.66	1.49	1.41
804-39SF020A7CPH	SST39SF020A-70-4C-PH	PDIP-32	2 Mb	256K X 8	70ns	4 Sec.	4.5 to 5.5	0°C to +70°C	1.80	1.62	1.53
804-39SF020A7INH	SST39SF020A-70-4I-NH	TSOP-32	2 Mb	256K X 8	70ns	4 Sec.	4.5 to 5.5	-40°C to +85°C	1.92	1.73	1.63
804-39SF020A7IWH	SST39SF020A-70-4I-WH	PLCC-32	2 Mb	256K X 8	70ns	4 Sec.	4.5 to 5.5	-40°C to +85°C	1.99	1.79	1.69
804-39VF0207CNH	SST39VF020-70-4C-NH	PLCC-32	2 Mb	256K X 8	70ns	4 Sec.	2.7 to 3.6	0°C to +70°C	1.88	1.69	1.60
804-39VF0207CWH	SST39VF020-70-4C-WH	TSOP-32	2 Mb	256K X 8	70ns	4 Sec.	2.7 to 3.6	0°C to +70°C	1.88	1.69	1.60
804-39VF0207INH	SST39VF020-70-4I-NH	PLCC-32	2 Mb	256K X 8	70ns	4 Sec.	2.7 to 3.6	-40°C to +85°C	2.25	2.03	1.91
804-39VF0207IWH	SST39VF020-70-4I-WH	TSOP-32	2 Mb	256K X 8	70ns	4 Sec.	2.7 to 3.6	-40°C to +85°C	2.25	2.03	1.91
804-39SF0405CNH	SST39SF040-45-4C-NH	PLCC-32	4 Mb	512K X 8	45ns	8 Sec.	4.5 to 5.5	0°C to +70°C	2.35	2.12	2.00
804-39SF0405CWH	SST39SF040-45-4C-WH	TSOP-32	4 Mb	512K X 8	45ns	8 Sec.	4.5 to 5.5	0°C to +70°C	2.35	2.12	2.00
804-39SF0405INH	SST39SF040-45-4I-NH	PLCC-32	4 Mb	512K X 8	45ns	8 Sec.	4.5 to 5.5	-40°C to +85°C	2.82	2.54	2.40
804-39SF0405IWH	SST39SF040-45-4I-WH	TSOP-32	4 Mb	512K X 8	45ns	8 Sec.	4.5 to 5.5	-40°C to +85°C	2.82	2.54	2.40
804-39LF0405CNH	SST39LF040-45-4C-NH	PLCC-32	4 Mb	512K X 8	45ns	8 Sec.	3.0 to 3.6	0°C to +70°C	2.35	2.12	2.00
804-39LF0405CWH	SST39LF040-45-4C-WH	TSOP-32	4 Mb	512K X 8	45ns	8 Sec.	3.0 to 3.6	0°C to +70°C	2.35	2.12	2.00
804-39SF0407CNH	SST39SF040-70-4C-NH	PLCC-32	4 Mb	512K X 8	70ns	8 Sec.	4.5 to 5.5	0°C to +70°C	2.14	1.93	1.82
804-39SF0407CWH	SST39SF040-70-4C-WH	TSOP-32	4 Mb	512K X 8	70ns	8 Sec.	4.5 to 5.5	0°C to +70°C	2.20	1.98	1.87
804-39SF0407CPH	SST39SF040-70-4C-PH	PDIP-32	4 Mb	512K X 8	70ns	8 Sec.	4.5 to 5.5	0°C to +70°C	2.34	2.11	1.99
804-39SF0407INH	SST39SF040-70-4I-NH	PLCC-32	4 Mb	512K X 8	70ns	8 Sec.	4.5 to 5.5	-40°C to +85°C	2.57	2.31	2.18
804-39SF0407IWH	SST39SF040-70-4I-WH	TSOP-32	4 Mb	512K X 8	70ns	8 Sec.	4.5 to 5.5	-40°C to +85°C	2.64	2.38	2.24
804-39VF0407CNH	SST39VF040-70-4C-NH	PLCC-32	4 Mb	512K X 8	70ns	8 Sec.	2.7 to 3.6	0°C to +70°C	2.14	1.93	1.82
804-39VF0407CWH	SST39VF040-70-4C-WH	TSOP-32	4 Mb	512K X 8	70ns	8 Sec.	2.7 to 3.6	0°C to +70°C	2.20	1.98	1.87
804-39VF0407INH	SST39VF040-70-4I-NH	PLCC-32	4 Mb	512K X 8	70ns	8 Sec.	2.7 to 3.6	-40°C to +85°C	2.57	2.31	2.18
804-39VF0407IWH	SST39VF040-70-4I-WH	TSOP-32	4 Mb	512K X 8	70ns	8 Sec.	2.7 to 3.6	-40°C to +85°C	2.64	2.38	2.24
804-39VF16017CEK	SST39VF1601-70-4C-EK	TSOP-48	16Mb	1M X 16	70ns	–	2.7 to 3.6V	0°C to +70°C	6.45	5.91	5.38
804-39VF16817CEK	SST39VF1681-70-4C-EK	TSOP-48	16Mb	2M X 8	70ns	–	2.7 to 3.6V	0°C to +70°C	7.08	6.49	5.90

SST Multi-Purpose Flash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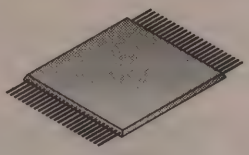
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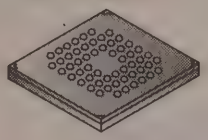
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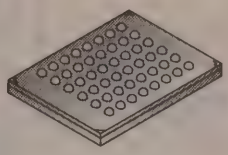

TFBGA-48

SST 39 SERIES MPF (MULTI-PURPOSE FLASH)

MPF is a cost-effective flash memory that addresses mainstream flash applications that require ISP (In-System Programming). These products are offered in x8 or x16 organizations at single 5.0V or 2.7-3.6V power supply voltages. In addition to the standard read access speed of 70 ns, SST also offers high-speed, low-voltage MPF products with access times of 45 and 55 ns. All 39 Series products use JEDEC standard package/pinout and command set for ease of use.

Features:

- Single 4.5-5.5V Read and Write Operations
- Sector-Erase Capability, Uniform 4K Bytes sectors
- TTL I/O Compatibility

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	SST Part No.	Package	Density	Organization	Access Time	Chip Rewrite Time (Typical)	Supply Voltage V_{DD}	Operating Temperature	Price Each 1	50	100
804-39LF1005CWI	SST39LF100-45-4C-WI	TSOP-40	1 Mb	64K X 16	45ns	1 Sec.	3.0 to 3.6	0°C to +70°C	2.00	1.80	1.70
804-39LF1005CB3K	SST39LF100-45-4C-B3K	TFBGA-48	1 Mb	64K X 16	45ns	1 Sec.	3.0 to 3.6	0°C to +70°C	2.10	1.89	1.79
804-39VF1007CWI	SST39VF100-70-4C-WI	TSOP-40	1 Mb	64K X 16	70ns	1 Sec.	2.7 to 3.6	0°C to +70°C	1.74	1.57	1.48
804-39VF1007CB3K	SST39VF100-70-4C-B3K	TFBGA-48	1 Mb	64K X 16	70ns	1 Sec.	2.7 to 3.6	0°C to +70°C	1.94	1.75	1.65
804-39VF1007IB3K	SST39VF100-70-4I-B3K	TFBGA-48	1 Mb	64K X 16	70ns	1 Sec.	2.7 to 3.6	-40°C to +85°C	2.33	2.10	1.98
804-39LF200A5CEK	SST39LF200A-45-4C-EK	TSOP-48	2 Mb	128K X 16	45ns	2 Sec.	3.0 to 3.6	0°C to +70°C	2.65	2.38	2.25
804-39LF200A5CB3K	SST39LF200A-45-4C-B3K	TFBGA-48	2 Mb	128K X 16	45ns	2 Sec.	3.0 to 3.6	0°C to +70°C	2.65	2.38	2.25
804-39VF200A7CEK	SST39VF200A-70-4C-EK	TSOP-48	2 Mb	128K X 16	70ns	2 Sec.	2.7 to 3.6	0°C to +70°C	2.35	2.11	1.99
804-39VF200A7CB3K	SST39VF200A-70-4C-B3K	TFBGA-48	2 Mb	128K X 16	70ns	2 Sec.	2.7 to 3.6	0°C to +70°C	2.35	2.11	1.99
804-39VF200A7IEK	SST39VF200A-70-4I-EK	TSOP-48	2 Mb	128K X 16	70ns	2 Sec.	2.7 to 3.6	-40°C to +85°C	2.82	2.53	2.39
804-39VF200A7IB3K	SST39VF200A-70-4I-B3K	TFBGA-48	2 Mb	128K X 16	70ns	2 Sec.	2.7 to 3.6	-40°C to +85°C	2.82	2.53	2.39
804-39LF400A5CEK	SST39LF400A-45-4C-EK	TSOP-48	4 Mb	256K X 16	45ns	4 Sec.	3.0 to 3.6	0°C to +70°C	2.94	2.65	2.50
804-39LF400A5CB3K	SST39LF400A-45-4C-B3K	TFBGA-48	4 Mb	256K X 16	45ns	4 Sec.	3.0 to 3.6	0°C to +70°C	2.94	2.65	2.50
804-39LF400A55CEK	SST39LF400A-55-4C-EK	TSOP-48	4 Mb	256K X 16	55ns	4 Sec.	3.0 to 3.6	0°C to +70°C	3.46	3.11	2.94
804-39LF400A55CB3K	SST39LF400A-55-4C-B3K	TFBGA-48	4 Mb	256K X 16	55ns	4 Sec.	3.0 to 3.6	0°C to +70°C	3.46	3.11	2.94
804-39VF400A7CEK	SST39VF400A-70-4C-EK	TSOP-48	4 Mb	256K X 16	70ns	4 Sec.	2.7 to 3.6	0°C to +70°C	2.61	2.35	2.22
804-39VF400A7CB3K	SST39VF400A-70-4C-B3K	TFBGA-48	4 Mb	256K X 16	70ns	4 Sec.	2.7 to 3.6	0°C to +70°C	2.61	2.35	2.22
804-39VF400A7IEK	SST39VF400A-70-4I-EK	TSOP-48	4 Mb	256K X 16	70ns	4 Sec.	2.7 to 3.6	-40°C to +85°C	3.13	2.82	2.66
804-39VF400A7IB3K	SST39VF400A-70-4I-B3K	TFBGA-48	4 Mb	256K X 16	70ns	4 Sec.	2.7 to 3.6	-40°C to +85°C	3.13	2.82	2.66
804-39LF800A55CEK	SST39LF800A-55-4C-EK	TSOP-48	8 Mb	512K X 16	55ns	8 Sec.	3.0 to 3.6	0°C to +70°C	3.91	3.52	3.32
804-39LF800A55CB3K	SST39LF800A-55-4C-B3K	TFBGA-48	8 Mb	512K X 16	55ns	8 Sec.	3.0 to 3.6	0°C to +70°C	4.11	3.70	3.49
804-39VF800A7CEK	SST39VF800A-70-4C-EK	TSOP-48	8 Mb	512K X 16	70ns	8 Sec.	2.7 to 3.6	0°C to +70°C	3.26	2.93	2.77
804-39VF800A7CB3K	SST39VF800A-70-4C-B3K	TFBGA-48	8 Mb	512K X 16	70ns	8 Sec.	2.7 to 3.6	0°C to +70°C	3.46	3.11	2.94
804-39VF800A7IEK	SST39VF800A-70-4I-EK	TSOP-48	8 Mb	512K X 16	70ns	8 Sec.	2.7 to 3.6	-40°C to +85°C	3.91	3.52	3.33
804-39VF800A7IB3K	SST39VF800A-70-4I-B3K	TFBGA-48	8 Mb	512K X 16	70ns	8 Sec.	2.7 to 3.6	-40°C to +85°C	4.15	3.74	3.53
804-39VF1607CEK	SST39VF160-70-4C-EK	TSOP-48	16 Mb	1M X 16	70ns	15 Sec.	2.7 to 3.6	0°C to +70°C	4.14	3.73	3.52
804-39VF1607CBK	SST39VF160-70-4C-BK	TFBGA-48	16 Mb	1M X 16	70ns	15 Sec.	2.7 to 3.6	0°C to +70°C	4.14	3.73	3.52
804-39VF1607IEK	SST39VF160-70-4I-EK	TSOP-48	16 Mb	1M X 16	70ns	15 Sec.	2.7 to 3.6	-40°C to +85°C	4.97	4.47	4.22
804-39VF1607IBK	SST39VF160-70-4I-BK	TFBGA-48	16 Mb	1M X 16	70ns	15 Sec.	2.7 to 3.6	-40°C to +85°C	4.97	4.47	4.22

SST 32 - 34 SERIES COMBO MEMORY

Designed, manufactured, and tested for a wide spectrum of applications, the ComboMemory are offered with a guaranteed endurance of 10,000 cycles. Data retention is rated at greater than 100 years. The ComboMemory operate as two independent memory banks with respective bank enable signals. These devices provide the added functionality of being able to simultaneously read from or write to the SRAM bank while erasing or programming in the flash memory bank.

Features:

- Integrated Flash and SRAM for Small Form Factor Design
- Small Footprint - Replaces two parts with one
- Read from or Write to SRAM while Erase/Program Flash

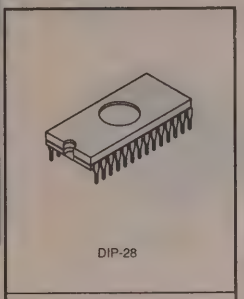
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	SST Part No.	Package	Flash Memory Density	Flash Memory Organization	SRAM Memory Density	SRAM Memory Organization	Access Speed (ns)	Rewrite Time	Supply V_{DD}	Operating Temperature	Price Each 1	10	25
804-32HF2027CL3K	SST32HF202-70-4C-L3K	LFBGA-48	2 Mb MPF	128K x 16	2 Mb	128K x 16	70	2.0 sec	2.7 to 3.3V	0°C to +70°C	8.87	7.98	7.54
804-32HF2027EL3K	SST32HF202-70-4E-L3K	LFBGA-48	2 Mb MPF	128K x 16	2 Mb	128K x 16	70	2.0 sec	2.7 to 3.3V	-20°C to +85°C	9.31	8.38	7.92
804-32HF4027CL3K	SST32HF402-70-4C-L3K	LFBGA-48	4 Mb MPF	256K x 16	2 Mb	128K x 16	70	4.0 sec	2.7 to 3.3V	0°C to +70°C	10.76	9.68	9.15
804-32HF4027EL3K	SST32HF402-70-4E-L3K	LFBGA-48	4 Mb MPF	256K x 16	2 Mb	128K x 16	70	4.0 sec	2.7 to 3.3V	-20°C to +85°C	11.31	10.18	9.61
804-32HF8027CL3K	SST32HF802-70-4C-L3K	LFBGA-48	8 Mb MPF	512K x 16	2 Mb	128K x 16	70	8.0 sec	2.7 to 3.3V	0°C to +70°C	12.04	10.83	10.23
804-32HF8027EL3K	SST32HF802-70-4E-L3K	LFBGA-48	8 Mb MPF	512K x 16	2 Mb	128K x 16	70	8.0 sec	2.7 to 3.3V	-20°C to +85°C	12.64	11.38	10.74
804-32HF1627CLBK	SST32HF162-70-4C-LBK	LGBA-48	16 Mb MPF	1 Mb x 16	2 Mb	128K x 16	70	15.0 sec	2.7 to 3.3V	0°C to +70°C	14.57	13.11	12.39
804-32HF1647CLBK	SST32HF164-70-4C-LBK	LGBA-48	16 Mb MPF	1 Mb x 16	4 Mb	256K x 16	70	15.0 sec	2.7 to 3.3V	0°C to +70°C	17.11	15.40	14.54
804-34HF1621A7CLFP	SST34HF1621A-70-4C-LFP	LFBGA-56	16 Mb CSF	((768K+256K)x16)	2 Mb	128K x 16	70	8.0 sec	2.7 to 3.3V	0°C to +70°C	14.57	13.11	12.39
804-34HF1641A7EL1P	SST34HF1641A-70-4E-L1P	LFBGA-56	16 Mb CSF	((768K+256K)x16)	4 Mb	256K x 16	70	8.0 sec	2.7 to 3.3V	-20°C to +85°C	17.96	16.17	15.27
804-34HF16817EL1P	SST34HF1681-70-4E-L1P	LFBGA-56	16 Mb CSF	((768K+256K)x16)	8 Mb	512K x 16	70	8.0 sec	2.7 to 3.3V	-20°C to +85°C	23.16	20.84	19.69

STMICROELECTRONICS UV and OTP EPROMs

STMicroelectronics

STMicroelectronics offers a unique product portfolio of OTP and UV EPROM memories with densities from 256Kbit to 32Mbit, in standard and low voltage ranges. These technical features, together with an improved, very fast access time, make OTP and UV EPROM an innovative and high performance solution. They are ideal for Mask ROM replacement, bringing the advantage of flexibility for last minute programming of the latest software, without mask charge. UV EPROM and OTP ROMs are the ideal solutions for storage of system software and firmware for many applications including games, DVD players, printers and many others.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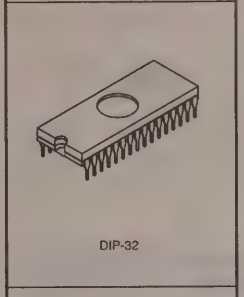
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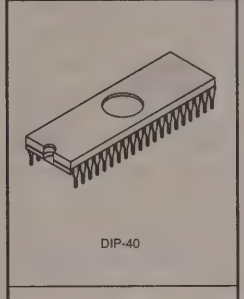
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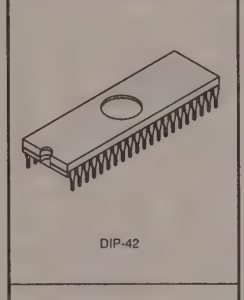
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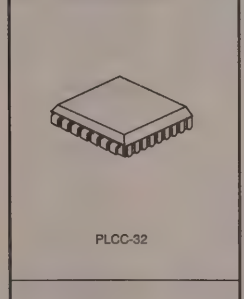
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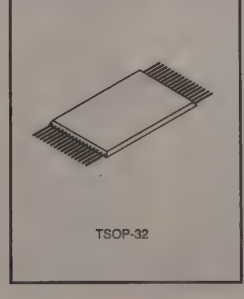

TSOP-32

UV (ULTRA VIOLET ERASABLE) CMOS EPROMS

For quantities of 1000 and up, call for quote.

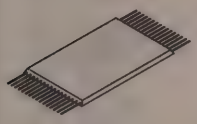
MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Supply Voltage (V)	Price Each 1	100	500
Thru Hole										
511-M27C64A-15F	M27C64A-15F1	DIP-28	64K	8K X 8	150	0 to 70	5.0	5.00	3.24	2.59
511-M27C256B-70XF	M27C256B-70XF1	DIP-28	256K	32K X 8	70	0 to 70	5.0	3.11	2.01	1.61
511-M27C256B-10F	M27C256B-10F1	DIP-28	256K	32K X 8	100	0 to 70	5.0	3.11	2.01	1.61
511-M27C256B-12F	M27C256B-12F1	DIP-28	256K	32K X 8	120	0 to 70	5.0	3.11	2.01	1.61
511-M27C256B-12F6	M27C256B-12F6	DIP-28	256K	32K X 8	120	- 40 to 85	5.0	3.11	2.01	1.61
511-M87C257-12F	M87C257-12F1	DIP-28	256K	32K X 8	120	0 to 70	5.0	6.45	4.75	3.55
511-M27C256B-15F	M27C256B-15F1	DIP-28	256K	32K X 8	150	0 to 70	5.0	3.11	2.01	1.61
511-M87C257-15F6	M87C257-15F6	DIP-28	256K	32K X 8	150	- 40 to 85	5.0	6.45	4.75	3.55
511-M27C512-45XF	M27C512-45XF1	DIP-28	512K	64K X 8	45	0 to 70	5.0	3.24	2.10	1.68
511-M27C512-70XF	M27C512-70XF1	DIP-28	512K	64K X 8	70	0 to 70	5.0	3.24	2.10	1.68
511-M27C512-10F	M27C512-10F1	DIP-28	512K	64K X 8	100	0 to 70	5.0	3.24	2.10	1.68
511-M27C512-12F	M27C512-12F1	DIP-28	512K	64K X 8	120	0 to 70	5.0	3.24	2.10	1.68
511-M27C512-15F	M27C512-15F1	DIP-28	512K	64K X 8	150	0 to 70	5.0	3.24	2.10	1.68
511-M27C512-15F6	M27C512-15F6	DIP-28	512K	64K X 8	150	- 40 to 85	5.0	3.24	2.10	1.68
511-M27C1001-45XF	M27C1001-45XF1	DIP-32	1M	128K X 8	45	0 to 70	5.0	3.83	2.49	1.99
511-M27C1001-70F	M27C1001-70F1	DIP-32	1M	128K X 8	70	0 to 70	5.0	3.83	2.49	1.99
511-M27C1001-12F	M27C1001-12F1	DIP-32	1M	128K X 8	120	0 to 70	5.0	3.83	2.49	1.99
511-M27C1001-12F6	M27C1001-12H6	DIP-32	1M	128K X 8	120	- 40 to 85	5.0	3.83	2.49	1.99
511-M27C1001-15F	M27C1001-15F1	DIP-32	1M	128K X 8	150	0 to 70	5.0	3.83	2.49	1.99
511-M27C1024-15F	M27C1024-15F1	DIP-40	1M	64K X 16	150	0 to 70	5.0	6.45	4.18	3.33
511-M27C2001-70XF	M27C2001-70XF1	DIP-32	2M	256K X 8	70	0 to 70	5.0	5.27	3.41	2.73
511-M27C2001-10F	M27C2001-10F1	DIP-32	2M	256K X 8	100	0 to 70	5.0	5.27	3.41	2.73
511-M27C2001-12F	M27C2001-12F1	DIP-32	2M	256K X 8	120	0 to 70	5.0	5.27	3.41	2.73
511-M27C2001-15F	M27C2001-15F1	DIP-32	2M	256K X 8	150	0 to 70	5.0	5.27	3.41	2.73
511-M27C4002-80XF	M27C4002-80XF1	DIP-40	4M	256K X 16	80	0 to 70	5.0	9.09	6.56	5.14
511-M27C4002-10F	M27C4002-10F1	DIP-40	4M	256K X 16	100	0 to 70	5.0	9.09	6.56	5.14
511-M27C4002-12F	M27C4002-12F1	DIP-40	4M	256K X 16	120	0 to 70	5.0	9.09	6.56	5.14
511-M27C4002-15F	M27C4002-15F1	DIP-40	4M	256K X 16	150	0 to 70	5.0	9.09	6.56	5.14
511-M27C4001-45XF	M27C4001-45XF1	DIP-32	4M	512K X 8	45	0 to 70	5.0	6.10	4.40	3.45
511-M27W401-80F6	M27W401-80F6	DIP-32	4M	512K X 8	80	- 40 to 85	3.0	6.10	4.40	3.45
511-M27C4001-80XF	M27C4001-80XF1	DIP-32	4M	512K X 8	80	0 to 70	5.0	6.10	4.40	3.45
511-M27C4001-10F	M27C4001-10F1	DIP-32	4M	512K X 8	100	0 to 70	5.0	6.10	4.40	3.45
511-M27C4001-12F	M27C4001-12F1	DIP-32	4M	512K X 8	120	0 to 70	5.0	6.10	4.40	3.45
511-M27C4001-12F6	M27C4001-12F6	DIP-32	4M	512K X 8	120	- 40 to 85	5.0	6.10	4.40	3.45
511-M27C4001-15F	M27C4001-15F1	DIP-32	4M	512K X 8	150	0 to 70	5.0	6.10	4.40	3.45
511-M27C4001-15F6	M27C4001-15F6	DIP-32	4M	512K X 8	150	- 40 to 85	5.0	6.10	4.40	3.45
511-M27C801-80F1	M27C801-80F1	DIP-32	8M	1M X 8	80	0 to 70	5.0	8.05	5.81	4.55
511-M27C801-90F	M27C801-90F1	DIP-32	8M	1M X 8	90	0 to 70	5.0	8.05	5.81	4.55
511-M27C801-10F	M27C801-100F1	DIP-32	8M	1M X 8	100	0 to 70	5.0	8.05	5.81	4.55
511-M27C801-12F	M27C801-120F1	DIP-32	8M	1M X 8	120	0 to 70	5.0	8.05	5.81	4.55
511-M27C160-10F	M27C160-100F1	DIP-42	16M	2M X 8 or 1M X 16	100	0 to 70	5.0	16.50	12.30	11.39
511-M27C322-10F	M27C322-100F1	DIP-42	32M	2M X 16	100	0 to 70	5.0	16.25	11.25	10.45

OTP (ONE TIME PROGRAMMABLE) CMOS EPROMS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Supply Voltage (V)	Price Each 1	100	500
Surface Mount										
511-M27C256B-45XC	M27C256B-45XC1	PLCC-32	256K	32K X 8	45	0 to 70	5.0	1.53	1.07	.77
511-M27C256B-70C	M27C256B-70C1	PLCC-32	256K	32K X 8	70	0 to 70	5.0	1.53	1.07	.77
511-M27C256B-70C6	M27C256B-70C6	PLCC-32	256K	32K X 8	70	- 40 to 85	5.0	1.53	1.07	.77
511-M27C256B-90C	M27C256B-90C1	PLCC-32	256K	32K X 8	90	0 to 70	5.0	1.53	1.07	.77
511-M27C256B-90C6	M27C256B-90C6	PLCC-32	256K	32K X 8	90	- 40 to 85	5.0	1.53	1.07	.77
511-M27C256B-10C	M27C256B-10C1	PLCC-32	256K	32K X 8	100	0 to 70	5.0	1.53	1.07	.77
511-M27C256B-10C6	M27C256B-10C6	PLCC-32	256K	32K X 8	100	- 40 to 85	5.0	1.53	1.07	.77
511-M27C256B-12C	M27C256B-12C1	PLCC-32	256K	32K X 8	120	0 to 70	5.0	1.53	1.07	.77
511-M27C256B-12C6	M27C256B-12C6	PLCC-32	256K	32K X 8	120	- 40 to 85	5.0	1.53	1.07	.77
511-M27C256B-15C	M27C256B-15C1	PLCC-32	256K	32K X 8	150	0 to 70	5.0	1.53	1.07	.77
511-M27C256B-15C6	M27C256B-15C6	PLCC-32	256K	32K X 8	150	- 40 to 85	5.0	1.53	1.07	.77
511-M87C257-15C1	M87C257-15C1	PLCC-32	256K	32K X 8	150	0 to 70	5.0	6.59	4.27	3.42
511-M27C512-70C	M27C512-70C1	PLCC-32	512K	64K X 8	70	0 to 70	5.0	1.71	1.20	.86
511-M27C512-90C	M27C512-90C1	PLCC-32	512K	64K X 8	90	0 to 70	5.0	1.71	1.20	.86
511-M27C512-90C6	M27C512-90C6	PLCC-32	512K	64K X 8	90	- 40 to 85	5.0	1.71	1.20	.86
511-M27C512-10C	M27C512-10C1	PLCC-32	512K	64K X 8	100	0 to 70	5.0	1.71	1.20	.86
511-M27W512-10K6	M27W512-100K6	PLCC-32	512K	64K X 8	100	- 40 to 85	3.0	1.71	1.20	.86
511-M27C512-12C	M27C512-12C1	PLCC-32	512K	64K X 8	120	0 to 70	5..0	1.71	1.20	.86
511-M27C512-12C6	M27C512-12C6	PLCC-32	512K	64K X 8	120	- 40 to 85	5.0	1.71	1.20	.86
511-M27C512-15C	M27C512-15C1	PLCC-32	512K	64K X 8	150	0 to 70	5.0	1.71	1.20	.86
511-M27C512-15C6	M27C512-15C6	PLCC-32	512K	64K X 8	150	- 40 to 85	5.0	1.71	1.20	.86
511-M27C1001-45XN	M27C1001-45XN1	TSOP-32	1M	128K X 8	45	0 to 70	5.0	2.55	1.79	1.28
511-M27C1001-45XC	M27C1001-45XC1	PLCC-32	1M	128K X 8	45	0 to 70	5.0	2.55	1.79	1.28
511-M27C1001-70C	M27C1001-70C1	PLCC-32	1M	128K X 8	70	0 to 70	5.0	2.55	1.79	1.28
511-M27W101-80K6	M27W101-80K6	PLCC-32	1M	128K X 8	80	0 to 70	3.3	2.55	1.79	1.28
511-M27C1001-90C6	M27C1001-90C6	PLCC-32	1M	128K X 8	90	- 40 to 85	5.0	2.55	1.79	1.28
511-M27C1001-10C	M27C1001-10C1	PLCC-32	1M	128K X 8	100	0 to 70	5.0	2.55	1.79	1.28

PLCC-32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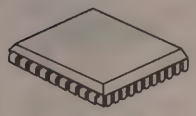
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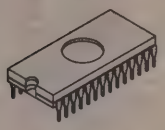
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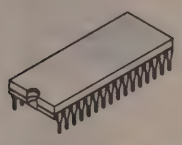
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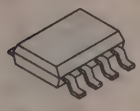
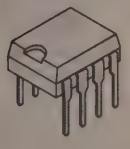

SO-8


DIP-8

OTP (ONE TIME PROGRAMMABLE) CMOS EPROMS (CONT.)

STMicroelectronics offers a unique product portfolio of OTP and UV EPROM memories with densities from 256Kbit to 32Mbit, in standard and low voltage ranges. These technical features, together with an improved, very fast access time, make OTP and UV EPROM an innovative and high performance solution. They are ideal for Mask ROM replacement, bringing the advantage of flexibility for last minute programming of the latest software, without mask charge. UV EPROM and OTP ROMs are the ideal solutions for storage of system software and firmware for many applications including games, DVD players, printers and many others.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Supply Voltage (V)	Price Each 1	Price Each 100	Price Each 500
Surface Mount										
511-M27C1001-12C	M27C1001-12C1	PLCC-32	1M	128K X 8	120	0 to 70	5.0	2.55	1.79	1.28
511-M27C1001-12C6	M27C1001-12C6	PLCC-32	1M	128K X 8	120	- 40 to 85	5.0	2.55	1.79	1.28
511-M27C1001-15C	M27C1001-15C1	PLCC-32	1M	128K X 8	150	0 to 70	5.0	2.55	1.79	1.28
511-M27C1024-15C	M27C1024-15C1	PLCC-44	1M	64K X 16	150	0 to 70	5.0	3.11	2.01	1.61
511-M27C2001-55C1	M27C2001-55C1	PLCC-32	2M	256K X 8	55	0 to 70	5.0	2.85	2.00	1.43
511-M27C2001-70C	M27C2001-70C1	PLCC-32	2M	256K X 8	70	0 to 70	5.0	2.85	2.00	1.43
511-M27W201-80N6	M27W201-80N6	TSOP-32	2M	256K X 8	80	- 40 to 85	3.0	2.85	2.00	1.43
511-M27C2001-90C	M27C2001-90C1	PLCC-32	2M	256K X 8	90	0 to 70	5.0	2.85	2.00	1.43
511-M27C2001-10C	M27C2001-10C1	PLCC-32	2M	256K X 8	100	0 to 70	5.0	2.85	2.00	1.43
511-M27C2001-10C6	M27C2001-10C6	PLCC-32	2M	256K X 8	100	- 40 to 85	5.0	2.85	2.00	1.43
511-M27C2001-12C	M27C2001-12C1	PLCC-32	2M	256K X 8	120	0 to 70	5.0	2.85	2.00	1.43
511-M27C2001-12C6	M27C2001-12C6	PLCC-32	2M	256K X 8	120	- 40 to 85	5.0	2.85	2.00	1.43
511-M27C2001-15C	M27C2001-15C1	PLCC-32	2M	256K X 8	150	0 to 70	5.0	2.85	2.00	1.43
511-M27C2001-15C6	M27C2001-15C6	PLCC-32	2M	256K X 8	150	- 40 to 85	5.0	4.40	3.74	3.30
511-M27W401-80K6	M27W401-80K6	PLCC-32	4M	512K X 8	80	- 40 to 85	3.0	4.19	2.71	2.17
511-M27W401-80N6	M27W401-80N6	TSOP-32	4M	512K X 8	80	- 40 to 85	3.0	4.19	2.71	2.17
511-M27C4001-90C	M27C4001-90C1	PLCC-32	4M	512K X 8	90	0 to 70	5.0	4.19	2.71	2.17
511-M27C4001-10C	M27C4001-10C1	PLCC-32	4M	512K X 8	100	0 to 70	5.0	4.19	2.71	2.17
511-M27C4001-12C	M27C4001-12C1	PLCC-32	4M	512K X 8	120	0 to 70	5.0	4.19	2.71	2.17
511-M27C4001-12C6	M27C4001-12C6	PLCC-32	4M	512K X 8	120	- 40 to 85	5.0	6.10	4.40	3.45
511-M27C4002-80C6	M27C4002-80C6	PLCC-44	4M	256K X 16	80	- 40 to 85	5.0	4.59	2.98	2.38
Thru Hole										
511-M27C256B-90B	M27C256B-90B1	DIP-28	256K	32K X 8	90	0 to 70	5.0	1.53	1.07	.77
511-M27C256B-12B	M27C256B-12B1	DIP-28	256K	32K X 8	120	0 to 70	5.0	1.53	1.07	.77
511-M27C256B-15B	M27C256B-15B1	DIP-28	256K	32K X 8	150	0 to 70	5.0	1.53	1.07	.77
511-M27C512-90B	M27C512-90B1	DIP-28	512K	64K X 8	90	0 to 70	5.0	1.71	1.20	.86
511-M27C512-12B	M27C512-12B1	DIP-28	512K	64K X 8	120	0 to 70	5.0	1.71	1.20	.86
511-M27C512-15B	M27C512-15B1	DIP-28	512K	64K X 8	150	0 to 70	5.0	1.71	1.20	.86
511-M27C512-15B6	M27C512-15B6	DIP-28	512K	64K X 8	150	- 40 to 85	5.0	1.71	1.20	.86
511-M27C1001-45XB	M27C1001-45XB1	DIP-32	1M	128K X 8	45	0 to 70	5.0	2.55	1.79	1.28
511-M27C1001-70B	M27C1001-70B1	DIP-32	1M	128K X 8	70	0 to 70	5.0	2.55	1.79	1.28
511-M27C1001-10B	M27C1001-10B1	DIP-32	1M	128K X 8	100	0 to 70	5.0	2.55	1.79	1.28
511-M27C1001-12B	M27C1001-12B1	DIP-32	1M	128K X 8	120	0 to 70	5.0	2.55	1.79	1.28
511-M27C1001-15B	M27C1001-15B1	DIP-32	1M	128K X 8	150	0 to 70	5.0	2.55	1.79	1.28
511-M27C2001-10B	M27C2001-10B1	DIP-32	2M	256K X 8	100	0 to 70	5.0	2.85	2.00	1.43
511-M27C4001-12B	M27C4001-12B1	DIP-32	4M	512K X 8	120	0 to 70	5.0	4.19	2.71	2.17
511-M27C801-120B1	M27C801-120B1	DIP-32	8M	1M X 8	120	0 to 70	5.0	5.75	4.15	3.25

ST Serial EEPROMs are the most flexible non-volatile memories for parameter storage because they can be written at byte level. ST offers the best portfolio in terms of densities, interfaces, low pin count and cost effective packages. Serial EEPROMs are available in various voltages and support I2C, SPI and Microwire buses. ST Quality, Manufacturing and Availability with a wide range of Serial Standard EEPROMs from1Kb up to 512Kb, 3 industry standard serial buses and 2.5V, 1.8V supply voltage ranges.

Many new applications require Serial EEPROM devices, especially in:

- Automotive (engine, dashboard, car radio, airbag and ABS)
- Communications (Corded and cordless phones, answering machines, fax, modem, networking)
- Consumer (TV, Set-Top Box, monitors, camcorder, audio MP3)
- Industrial (motor control, oscilloscope, Power/Gas meter, measuring instruments, home appliance) and Computer (printer, hard disk driver, mother board, CD-ROM, modem, keyboard).

I^2C BUS SERIAL EEPROMS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Supply Current (mA)	Price Each 1	Price Each 500	Price Each 100
Surface Mount										
511-M24C01-MN6	M24C01-MN6	SO-8	1K	128 X 8	- 40 to + 85	4.5 to 5.5	2.0	.60	.51	.45
511-M24C01-WMN6	M24C01-WMN6	SO-8	1K	128 X 8	- 40 to + 85	2.5 to 5.5	1.0	.66	.56	.50
511-M24C02-MN6	M24C02-MN6	SO-8	2K	256 X 8	- 40 to + 85	4.5 to 5.5	2.0	.70	.60	.53
511-M24C02-RMN6	M24C02-RMN6	SO-8	2K	256 X 8	- 40 to + 85	1.8 to 5.5	2.0	.76	.65	.57
511-M24C02-WMN6	M24C02-WMN6	SO-8	2K	256 X 8	- 40 to + 85	2.5 to 5.5	1.0	.44	.30	.20
511-M24C04-MN6	M24C04-MN6	SO-8	4K	512 X 8	- 40 to + 85	4.5 to 5.5	2.0	.76	.65	.57
511-M24C04-WMN6	M24C04-WMN6	SO-8	4K	512 X 8	- 40 to + 85	2.5 to 5.5	1.0	.84	.71	.63
511-M24C08-MN6	M24C08-MN6	SO-8	8K	1K X 8	- 40 to + 85	4.5 to 5.5	2.0	1.04	.88	.78
511-M24C08-WMN6	M24C08-WMN6	SO-8	8K	1K X 8	- 40 to + 85	2.5 to 5.5	1.0	.72	.68	.68
511-M24C16-MN6	M24C16-MN6	SO-8	16K	2K X 8	- 40 to + 85	4.5 to 5.5	2.0	1.42	1.21	1.07
511-M24C16-WMN6P	M24C16-WMN6P	SO-8	16K	2K X 8	- 40 to + 85	2.5 to 5.5	1.0	.71	.42	.29
511-M24C32-MN6	M24C32-MN6	SO-8	32K	4K X 8	- 40 to + 85	4.5 to 5.5	2.0	1.90	1.62	1.43
511-M24C32-WMN6	M24C32-WMN6	SO-8	32K	4K X 8	- 40 to + 85	2.5 to 5.5	1.0	2.10	1.79	1.58
511-M24C64-MN6	M24C64-MN6	SO-8	64K	8K X 8	- 40 to + 85	4.5 to 5.5	2.0	.99	.66	.44
511-M24C64-MW6	M24C64-MW6	SO-8	64K	8K X 8	- 40 to + 85	4.5 to 5.5	2.0	2.40	2.04	1.80
511-M24C64-WMN6P	M24C64-WMN6P	SO-8	64K	8K X 8	- 40 to + 85	2.5 to 5.5	1.0	.97	.65	.43
511-M24128-MN6	M24128-MN6	SO-8	128K	16K X 8	- 40 to + 85	4.5 to 5.5	2.0	2.50	2.13	1.88
511-M24128-WMN6	M24128-WMN6	SO-8	128K	16K X 8	- 40 to + 85	2.5 to 5.5	1.0	2.50	2.13	1.88
511-M24256-MW6	M24256-MW6	SO-8	256K	32K X 8	- 40 to + 85	4.5 to 5.5	2.0	2.90	2.47	2.18
511-M24256-WMW6	M24256-WMW6	SO-8	256K	32K X 8	- 40 to + 85	2.5 to 5.5	1.0	2.90	2.47	2.18
Thru Hole										
511-M24C01-BN6	M24C01-BN6	DIP-8	1K	128 X 8	- 40 to + 85	4.5 to 5.5	2.0	.60	.51	.45
511-M24C01-WBN6	M24C01-WBN6	DIP-8	1K	128 X 8	- 40 to + 85	2.5 to 5.5	1.0	.57	.34	.21
511-M24C02-BN6	M24C02-BN6	DIP-8	2K	256 X 8	- 40 to + 85	4.5 to 5.5	2.0	.70	.60	.53
511-M24C02-WBN6	M24C02-WBN6	DIP-8	2K	256 X 8	- 40 to + 85	2.5 to 5.5	1.0	.59	.35	.22
511-M24C04-WBN6	M24C04-WBN6	DIP-8	4K	512 X 8	- 40 to + 85	2.5 to 5.5	1.0	.65	.39	.25

STMICROELECTRONICS Serial EEPROMS

STMicroeletronics

ST Serial EEPROMs are the most flexible non-volatile memories for parameter storage because they can be written at byte level. ST offers the best portfolio in terms of densities, interfaces, low pin count and cost effective packages. Serial EEPROMs are available in various voltages and support I2C, SPI and Microwire buses. ST Quality, Manufacturing and Availability with a wide range of Serial Standard EEPROMs from1Kb up to 512Kb, 3 industry standard serial buses and 2.5V, 1.8V supply voltage ranges.

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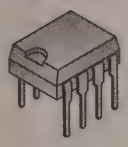
- Communications (Corded and cordless phones, answering machines, fax, modem, networking)
- Consumer (TV, Set-Top Box, monitors, camcorder, audio MP3)
- Industrial (motor control, oscilloscope, Power/Gas meter, measuring instruments, home appliance) and Computer (printer, hard disk driver, mother board, CD-ROM, modem, keyboard).



DIP-8

STMicroelectronics I^2C BUS SERIAL EEPROMS (CONT.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Supply Current (mA)	Price Each 1	100	500
Thru Hole										
511-M24C08-BN6	M24C08-BN6	DIP-8	8K	1K X 8	- 40 to + 85	4.5 to 5.5	2.0	1.04	.88	.77
511-M24C08-WBN6	M24C08-WBN6	DIP-8	8K	1K X 8	- 40 to + 85	2.5 to 5.5	1.0	.72	.43	.27
511-M24C16-BN6	M24C16-BN6	DIP-8	16K	2K X 8	- 40 to + 85	4.5 to 5.5	2.0	1.42	1.21	1.05
511-M24C16-WBN6	M24C16-WBN6	DIP-8	16K	2K X 8	- 40 to + 85	2.5 to 5.5	1.0	.71	.42	.29
511-M24C32-BN6	M24C32-BN6	DIP-8	32K	4K X 8	- 40 to + 85	4.5 to 5.5	2.0	1.90	1.62	1.43
511-M24C32-WBN6	M24C32-WBN6	DIP-8	32K	4K X 8	- 40 to + 85	2.5 to 5.5	1.0	2.10	1.79	1.58
511-M24C64-BN6	M24C64-BN6	DIP-8	64K	8K X 8	- 40 to + 85	4.5 to 5.5	2.0	2.30	1.96	1.73
511-M24C64-WBN6	M24C64-WBN6	DIP-8	64K	8K X 8	- 40 to + 85	2.5 to 5.5	1.0	.97	.65	.43
511-M24128-WBN6	M24128-WBN6	DIP-8	128K	16K X 8	- 40 to + 85	2.5 to 5.5	1.0	2.50	2.13	1.88

STMicroelectronics MICROWIRE BUS SERIAL EEPROMS

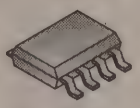
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Supply Current (mA)	Price Each 1	100	500
Surface Mount										
511-M93S46-MN6	M93S46-MN6	SO-8	1K	64 X 16	- 40 to + 85	4.5 to 5.5	1.5	.78	.47	.32
511-M93S46-WMN6	M93S46-WMN6	SO-8	1K	64 X 16	- 40 to + 85	2.5 to 5.5	1.5	.78	.46	.43
511-M93C46-MN6	M93C46-MN6	SO-8	1K	128 X 8 or 64 X 16	- 40 to + 85	4.5 to 5.5	1.5	.60	.51	.45
511-M93C46-WMN6P	M93C46-WMN6P	SO-8	1K	128 X 8 or 64 X 16	- 40 to + 85	2.5 to 5.5	1.5	.58	.35	.22
511-M93S56-MN6	M93S56-MN6	SO-8	2K	128 X 16	- 40 to + 85	4.5 to 5.5	1.5	.89	.53	.36
511-M93S56-WMN6	M93S56-WMN6	SO-8	2K	128 X 16	- 40 to + 85	2.5 to 5.5	1.5	.89	.53	.36
511-M93C56-MN6	M93C56-MN6	SO-8	2K	256 X 8 or 128 X 16	- 40 to + 85	4.5 to 5.5	1.5	.70	.60	.53
511-M93C56-WMN6	M93C56-WMN6	SO-8	2K	256 X 8 or 128 X 16	- 40 to + 85	2.5 to 5.5	1.5	.70	.60	.53
511-M93S66-MN6	M93S66-MN6	SO-8	4K	256 X 16	- 40 to + 85	4.5 to 5.5	1.5	.98	.83	.74
511-M93S66-WMN6	M93S66-WMN6	SO-8	4K	256 X 16	- 40 to + 85	2.5 to 5.5	1.5	.78	.66	.59
511-M93C66-MN6	M93C66-MN6	SO-8	4K	512 X 8 or 256 X 16	- 40 to + 85	4.5 to 5.5	1.5	.70	.55	.55
511-M93C66-WMN6P	M93C66-WMN6P	SO-8	4K	512 X 8 or 256 X 16	- 40 to + 85	2.5 to 5.5	1.5	.70	.42	.29
511-M93C76-MN6	M93C76-MN6	SO-8	8K	1K X 8 or 512 X 8	- 40 to + 85	4.5 to 5.5	1.5	.86	.73	.65
511-M93C86-MN6	M93C86-MN6	SO-8	16K	2K X 8 or 1K X 16	- 40 to + 85	4.5 to 5.5	1.5	1.03	.62	.42
511-M93C86-WMN6	M93C86-WMN6	SO-8	16K	2K X 8 or 1K X 16	- 40 to + 85	2.5 to 5.5	1.5	1.08	1.08	1.08
Thru Hole										
511-M93S46-WBN6	M93S46-WBN6	DIP-8	1K	64 X 16	- 40 to + 85	2.5 to 5.5	1.5	.66	.56	.50
511-M93C46-BN6	M93C46-BN6	DIP-8	1K	128 X 8 or 64 X 16	- 40 to + 85	4.5 to 5.5	1.5	.58	.35	.22
511-M93C46-WBN6	M93C46-WBN6	DIP-8	1K	128 X 8 or 64 X 16	- 40 to + 85	2.5 to 5.5	1.5	.58	.35	.22
511-M93S56-WBN6	M93S56-WBN6	DIP-8	2K	128 X 16	- 40 to + 85	2.5 to 5.5	1.5	.89	.53	.36
511-M93C56-BN6	M93C56-BN6	DIP-8	2K	256 X 8 or 128 X 16	- 40 to + 85	4.5 to 5.5	1.5	.70	.60	.53
511-M93C56-WBN6	M93C56-WBN6	DIP-8	2K	256 X 8 or 128 X 16	- 40 to + 85	2.5 to 5.5	1.5	.70	.60	.53
511-M93S66-WBN6	M93S66-WBN6	DIP-8	4K	256 X 16	- 40 to + 85	2.5 to 5.5	1.5	.98	.83	.74
511-M93C66-WBN6	M93C66-WBN6	DIP-8	4K	512 X 8 or 256 X 16	- 40 to + 85	2.5 to 5.5	1.5	.84	.71	.63
511-M93C76-BN6	M93C76-BN6	DIP-8	8K	1K X 8 or 512 X 16	- 40 to + 85	4.5 to 5.5	1.5	.86	.73	.65
511-M93C86-BN6	M93C86-BN6	DIP-8	16K	2K X 8 or 1K X 16	- 40 to + 85	4.5 to 5.5	1.5	1.50	1.28	1.13
511-M93C86-WBN6	M93C86-WBN6	DIP-8	16K	2K X 8 or 1K X 16	- 40 to + 85	2.5 to 5.5	1.5	1.03	.62	.42

STMicroelectronics SPI BUS SERIAL EEPROMS

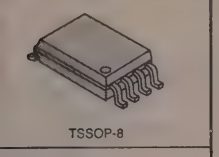
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Supply Current (mA)	Price Each 1	100	500
Surface Mount										
511-M95010-MN6	M95010-MN6	SO-8	1K	128 X 8	- 40 to + 85	4.5 to 5.5	5.0	.60	.51	.45
511-M95010-WMN6	M95010-WMN6	SO-8	1K	128 X 8	- 40 to + 85	2.5 to 5.5	5.0	.60	.51	.45
511-M95040-WMN6	M95040-WMN6	SO-8	4K	256 X 8	- 40 to + 85	2.5 to 5.5	5.0	.88	.53	.36
511-M95080-MN6	M95080-MN6	SO-8	8K	1K X 8	- 40 to + 85	4.5 to 5.5	4.0	.84	.71	.63
511-M95080-WMN6	M95080-WMN6	SO-8	8K	1K X 8	- 40 to + 85	2.5 to 5.5	2.0	1.05	.63	.43
511-M95160-MN6P	M95160-MN6P	SO-8	16K	2K X 8	- 40 to + 85	4.5 to 5.5	2.0	1.12	.95	.84
511-M95160-WMN6P	M95160-WMN6P	SO-8	16K	2K X 8	- 40 to + 85	2.5 to 5.5	2.0	.94	.63	.42
511-M95320-MN6	M95320-MN6	SO-8	32K	4K X 8	- 40 to + 85	4.5 to 5.5	2.0	1.80	1.53	1.35
511-M95640-MN6	M95640-MN6	SO-8	64K	8K X 8	- 40 to + 85	4.5 to 5.5	2.0	2.20	1.87	1.65
511-M95640-WMN6	M95640-WMN6	SO-8	64K	8K X 8	- 40 to + 85	2.5 to 5.5	2.0	1.39	.93	.61
511-M95128-MN6	M95128-MN6	SO-8	128K	16K X 8	- 40 to + 85	4.5 to 5.5	1.0	2.00	1.70	1.50
Thru Hole										
511-M95010-BN6	M95010-BN6	DIP-8	1K	128 X 8	- 40 to + 85	4.5 to 5.5	5.0	.60	.51	.45
511-M95010-WBN6	M95010-WBN6	DIP-8	1K	128 X 8	- 40 to + 85	2.5 to 5.5	5.0	.60	.51	.45
511-M95020-BN6	M95020-BN6	DIP-8	2K	256 X 8	- 40 to + 85	4.5 to 5.5	5.0	.68	.58	.51
511-M95020-WBN6	M95020-WBN6	DIP-8	2K	256 X 8	- 40 to + 85	2.5 to 5.5	5.0	.68	.58	.51
511-M95040-WBN6	M95040-WBN6	DIP-8	4K	512 X 8	- 40 to + 85	2.5 to 5.5	5.0	.80	.68	.60
511-M95080-BN6	M95080-BN6	DIP-8	8K	1K X 8	- 40 to + 85	4.5 to 5.5	4.0	.84	.71	.63
511-M95080-WBN6	M95080-WBN6	DIP-8	8K	1K X 8	- 40 to + 85	2.5 to 5.5	2.0	.84	.71	.63
511-M95160-BN6	M95160-BN6	DIP-8	16K	2K X 8	- 40 to + 85	4.5 to 5.5	2.0	1.12	.95	.84
511-M95160-WBN6	M95160-WBN6	DIP-8	16K	2K X 8	- 40 to + 85	2.5 to 5.5	2.0	1.12	.95	.84
511-M95320-BN6	M95320-BN6	DIP-8	32K	4K X 8	- 40 to + 85	4.5 to 5.5	2.0	1.80	1.53	1.35
511-M95640-BN6	M95640-BN6	DIP-8	64K	8K X 8	- 40 to + 85	4.5 to 5.5	2.0	2.20	1.87	1.65
511-M95128-BN6	M95128-BN6	DIP-8	128K	16K X 8	- 40 to + 85	4.5 to 5.5	1.0	2.00	1.70	1.50
511-M95256-BN6	M95256-BN6	DIP-8	256K	32K X 8	- 40 to + 85	4.5 to 5.5	1.0	2.70	2.30	2.03



SO-8

STMICROELECTRONICS RTC, Non-Volatile RAMs and Supervisors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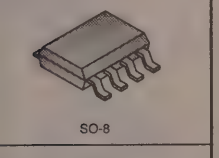
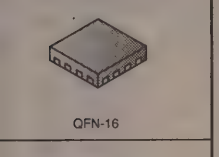
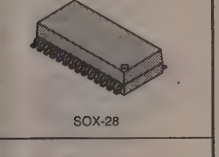

SO-8


QFN-16

SOH-28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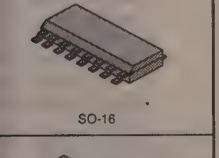
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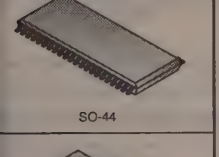
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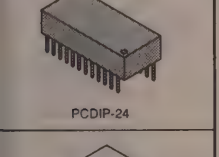
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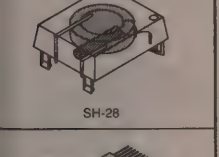
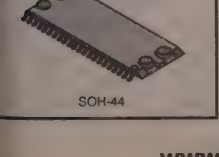

SH-28

TSOP-44

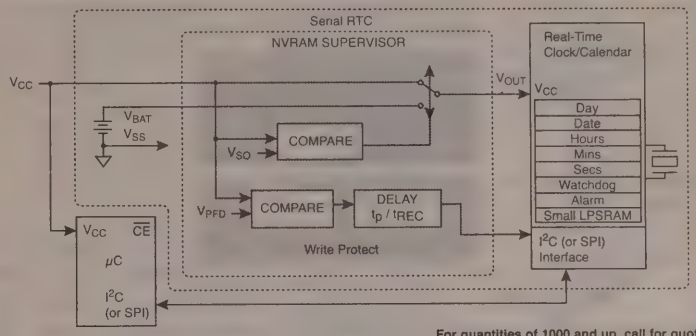

SOH-44

SERIAL REAL-TIME CLOCKS (RTC)

Real-Time Clocks keep track of day, date, and time including century, year, month, hour, minutes, and seconds. Many include Battery Switchover circuits, enabling them to keep time even when power is off. Other timekeeping functions offered include Alarm and Watchdog, and a calibration register supports high accuracy requirements.

RTC options include supervisory functions such as Power-on Reset/Low-Voltage Detect, Early Power-Fail Warning, Battery Monitor, and more. Some parts such as the M41ST85 Non-Volatizor can be used as NVRAM Supervisors by providing Battery Switchover and Write Protection for external Low-Power SRAMs.

ST's popular Serial RTCs support both SPI and I2C busses, and come in packages ranging from QFN16 and TSSOP8 to ST's SNAPHAT® with removable/replaceable battery.



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Density	Organization	Bus Type	Temp. Range (°C)	Supply Voltage (V)	Price Each 1	100	500
Surface Mount										
511-M41T0DS6E	M41T0DS6E	TSSOP-8	64	8 X 8	I2C	-40 to +85	2.0 to 5.5	1.30	1.11	.96
511-M41T0M6E	M41T0M6E	SO-8	64	8 X 8	I2C	-40 to +85	2.0 to 5.5	1.80	1.26	.90
511-M41T00M6	M41T00M6	SO-8	64	8 X 8	I2C	-40 to +85	2.0 to 5.5	1.80	1.53	1.34
511-M41T00SM6E	M41T00SM6E	SO-8	64	8 X 8	I2C	-40 to +85	2.0 to 5.5	1.80	1.53	1.35
511-M41T60Q6F	M41T60Q6F	QFN-16	64	8 X 8	I2C	-40 to +85	1.3 to 3.6	1.18	1.00	.89
511-M41T62Q6F	M41T62Q6F	QFN-16	128	16 X 8	I2C	-40 to +85	1.3 to 3.6	1.36	1.16	1.02
511-M41T65Q6F	M41T65Q6F	QFN-16	128	16 X 8	I2C	-40 to +85	1.3 to 3.6	1.36	1.16	1.02
511-M41T11M6E	M41T11M6E	SO-8	512	64 X 8	I2C	-40 to +85	2.0 to 5.5	2.70	1.75	1.40
511-M41T11MH6E	M41T11MH6E	SOH-28	512	64 X 8	I2C	-40 to +85	2.0 to 5.5	5.10	3.30	2.64
511-M41T56M6E	M41T56M6E	SO-8	512	64 X 8	I2C	-40 to +85	4.5 to 5.5	2.70	1.75	1.40
511-M41T56MH6	M41T56MH6	SOH-28	512	64 X 8	I2C	-40 to +85	4.5 to 5.5	4.00	3.40	2.79
511-M41T80M6	M41T80M6	SO-8	160	20 X 8	I2C	-40 to +85	2.0 to 5.5	1.50	1.28	1.11
511-M41T81M6E	M41T81M6E	SO-8	160	20 X 8	I2C	-40 to +85	2.0 to 5.5	1.60	1.36	1.19
511-M41T81MX6	M41T81MX6	SOX-28	160	20 X 8	I2C	-40 to +85	2.0 to 5.5	3.40	2.89	2.37
511-M48T86MH1	M48T86MH1	SOH-28	128	- - - - -	- - - - -	0 to 70	4.5 to 5.5	4.00	3.40	2.79
511-M48T86MH1F	M48T86MH1F	SOH-28	128	- - - - -	- - - - -	0 to 70	4.5 to 5.5	4.00	3.40	3.00
511-M41T94MQ6	M41T94MQ6	SO-16	512	64 X 8	SPI	-40 to +85	2.7 to 5.5	4.40	3.74	3.30
511-M41T94MH6	M41T94MH6	SOH-28	512	64 X 8	SPI	-40 to +85	2.7 to 5.5	5.20	4.30	3.38
511-M41ST84WMQ6E	M41ST84WMQ6E	SO-16	512	64 X 8	I2C	-40 to +85	2.7 to 3.6	4.19	2.71	2.17
511-M41ST84YMQ6	M41ST84YMQ6	SO-16	512	64 X 8	I2C	-40 to +85	4.5 to 5.5	5.00	4.14	3.25
511-M41ST85WMH6E	M41ST85WMH6E	SOH-28	512	64 X 8	I2C	-40 to +85	2.7 to 3.6	7.82	5.64	4.42
511-M41ST85WMX6	M41ST85WMX6	SOX-28	512	64 X 8	I2C	-40 to +85	2.7 to 3.6	5.60	4.63	3.64
511-M41ST85YMX6	M41ST85YMX6	SOX-28	512	64 X 8	I2C	-40 to +85	4.5 to 5.5	5.60	4.63	3.64
511-M41ST87YMX6	M41ST87YMX6	SOX-28	1280	160 X 8	I2C	-40 to +85	4.5 to 5.5	6.80	5.63	4.42
511-M41ST87WMX6	M41ST87WMX6	SOX-28	1280	160 X 8	I2C	-40 to +85	3.0 to 3.6	7.82	5.64	4.42
511-M41T256YMT7	M41T256YMT7	SO-44	256K	32K X 8	I2C	-25 to +70	4.5 to 5.5	9.00	7.46	5.85
511-M41ST95WMX6	M41ST95WMX6	SOX-28	512	64 X 8	SPI	-40 to +85	2.7 to 3.6	6.00	4.97	3.90
511-M41T315V-85MH6	M41T315V-85MH6	SOH-28	- - - - -	- - - - -	- - - - -	-40 to +85	3.0 to 3.6	10.99	7.69	7.15
Thru Hole										
511-M48T86PC1	M48T86PC1	PCDIP-24	128	- - - - -	- - - - -	0 to 70	4.5 to 5.5	5.50	4.55	3.58

SNAPHAT BATTERY & CRYSTAL FOR REALTIME CLOCKS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Description	Temp. Range (°C)	Nominal Battery Cap. (mAh)	Price Each 1	100	500
511-M4T28BR12SH1	M4T28-BR12SH1	SH-28	For SOH-28 & 44 realtime clocks	0 to 70	48	3.88	3.30	2.91
511-M4T32BR12SH1	M4T32-BR12SH1	SH-28	For SOH-28 & 44 realtime clocks	0 to 70	120	5.54	4.71	4.16
511-M4T32BR12SH6	M4T32-BR12SH6	SH-28	For SOH-28 & 44 realtime clocks	-40 to +85	120	6.40	5.44	4.80

ASYNCHRONOUS LOW POWER STATIC RAMS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Density	Organization	Access Time(ns)	Temp. Range (°C)	Supply Voltage (V)	Price Each 1	100	500
Surface Mount										
511-M68AW128ML70ND1	M68AW128ML70ND1	TSOP-44	2M	128K x 16	70	0 to 70	2.7 to 3.6	4.80	4.08	3.60
511-M68AW256ML70ND1	M68AW256ML70ND1	TSOP-44	4M	256K X 16	70	0 to 70	2.7 to 3.6	8.88	7.55	6.66

TIMEKEEPER® SUPERVISORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Density	Organization	Bus Type	Temp. Range (°C)	Supply Voltage (V)	Price Each 1	100	500
Surface Mount										
511-M48T201V85MH1	M48T201V-85MH1	SOH-44	128	16x8	8bits	0 to 70	3.0 - 3.6V	11.99	8.39	7.80
511-M48T201Y-70MH1	M48T201Y-70MH1	SOH-44	128	16x8	8bits	0 to 70	4.5 - 5.5V	10.99	7.69	7.15
511-M48T212V85MH1E	M48T212V-85MH1E	SOH-44	128	16x8	8bits	0 to 70	3.0 - 3.6V	10.24	7.38	5.78

MICROPROCESSOR SUPERVISORS

Microprocessor Supervisors with Switchover from ST offer a mix of reset timing for Power-On Reset, Watchdog, Manual Reset Input, PFI/PFO, Battery Switchover, Chip Enable, and Battery Freshness Seal in 8-pin packages.

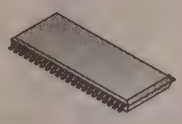
For quantities of 1000 and up, call for quote.

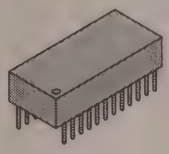
MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Active-Low Reset	Manual Reset Input	Battery Switchover	Temp. Range (°C)	Supply Voltage (V)	Price Each 1	100	500
Surface Mount										
511-M40SZ100WMQ6	M40SZ100WMQ6	SO-16	Open Drain	Yes	Yes	-40 to 85	2.7 - 3.6V	5.98	4.31	3.38
511-M40Z111MH6	M40Z111MH6	SOH-28	Push-Pull	No	Yes	-40 to 85	4.5 - 5.5V	8.00	6.63	5.20
511-M40Z300WMH6	M40Z300WMH6	SOH-28	Open Drain	Yes	Yes	-40 to 85	2.7 - 3.6V	9.99	6.99	6.50
511-M40Z300WMQ6	M40Z300WMQ6	SO-16	Open Drain	Yes	Yes	-40 to 85	3.0 - 3.6V	5.94	4.92	3.86

STMICROELECTRONICS Non-Volatile RAMs

STMicroelectronics

SOH-28


SO-44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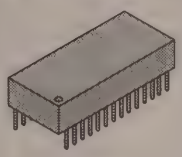
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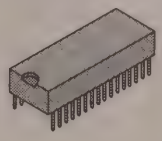
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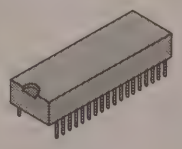
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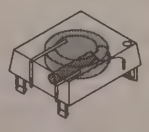
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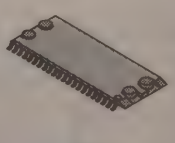
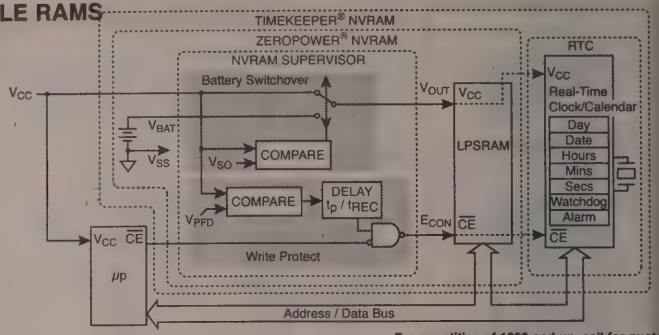

SOH-44

ZEROPOWER® NON-VOLATILE RAMS

ZEROPOWER® NVRAMs combine Low Power SRAMs and Automatic Battery Switchover and Write Protect circuits to implement Non-Volatile RAMs. They can be used just like standard SRAMs, but retain their contents when power is removed. Densities range from 16Mbits down to 16Kbits.

ZEROPOWER® NVRAMs retain their data, even when there is 'ZERO' power present. Two key components comprise a ZEROPOWER® NVRAM: a Low-Power SRAM, and an NVRAM Supervisor. The LPSRAM typically draws less than 1 micro-amp when powered by a battery and can retain its data for years when powered by only a small, lithium cell. The Battery Switchover Circuit switches the LPSRAM from system power (Vcc) to the battery (Vbat). It monitors Vcc and when it begins to fall, the battery is connected to the LPSRAM. When Vcc begins to fall, a micro-processor can behave erratically it could inadvertently overwrite and corrupt the LPSRAM's contents. The Write Protect Circuit cuts off access to the LPSRAM to prevent this. All of ST's ZEROPOWER® NVRAMs include these features. No other special circuits are required. At densities of 256K-bits and below, the NVRAM Supervisor is integrated into the silicon with the LPSRAM. For higher densities, the two are separate ICs.



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Density	Organization	Access Time(ns)	Temp. Range (°C)	Supply Voltage (V)	Nominal Battery Cap.(mAh)	Price Each 1	100	500
Surface Mount											
511-M48Z1810MH1	M48Z18-100MH1	SOH-28	16K	2K X 8	100	0 to 70	4.5 to 5.5	-	11.46	9.74	8.60
511-M48Z58Y70MH1E	M48Z58Y-70MH1E	SOH-28	64K	8K X 8	70	0 to 70	4.5 to 5.5	-	6.99	5.94	5.24
511-M48Z32V35MT1E	M48Z32V-35MT1E	SO-44	256K	32K X 8	35	0 to 70	3.0 to 3.6	-	9.00	7.46	5.85
511-M48Z35AV10MH1	M48Z35AV-10MH1	SOH-28	256K	32K X 8	100	0 to 70	3.0 to 3.6	-	11.89	8.32	7.74
511-M48Z35Y70MH1E	M48Z35Y-70MH1E	SOH-28	256K	32K X 8	70	0 to 70	4.5 to 5.5	-	12.09	8.46	7.87
Thru Hole											
511-M48Z0270PC1	M48Z02-70PC1	PCDIP-24	16K	2K X 8	70	0 to 70	4.75 to 5.5	-	9.00	7.46	5.85
511-M48Z0215PC1	M48Z02-150PC1	PCDIP-24	16K	2K X 8	150	0 to 70	4.75 to 5.5	-	9.00	7.46	5.85
511-M48Z0220PC1	M48Z02-200PC1	PCDIP-24	16K	2K X 8	200	0 to 70	4.75 to 5.5	-	9.00	7.46	5.85
511-M48Z1270PC1	M48Z12-70PC1	PCDIP-24	16K	2K X 8	70	0 to 70	4.5 to 5.5	-	9.99	6.99	6.50
511-M48Z1215PC1	M48Z12-150PC1	PCDIP-24	16K	2K X 8	150	0 to 70	4.5 to 5.5	-	9.62	7.97	6.25
511-M48Z1220PC1	M48Z12-200PC1	PCDIP-24	16K	2K X 8	200	0 to 70	4.5 to 5.5	-	9.12	7.55	5.93
511-M48Z0810PC1	M48Z08-100PC1	PCDIP-28	64K	8K X 8	100	0 to 70	4.75 to 5.5	-	14.07	9.84	9.15
511-M48Z1810PC1	M48Z18-100PC1	PCDIP-28	64K	8K X 8	100	0 to 70	4.5 to 5.5	-	14.07	9.84	9.15
511-M48Z58Y70PC1	M48Z58Y-70PC1	PCDIP-28	64K	8K X 8	70	0 to 70	4.5 to 5.5	-	11.56	9.83	8.67
511-M48Z5870PC1	M48Z58-70PC1	PCDIP-28	64K	8K X 8	70	0 to 70	4.75 to 5.5	-	11.56	9.83	8.67
511-M48Z35AV10PC1	M48Z35AV-10PC1	PCDIP-28	256K	32K X 8	100	0 to 70	3.0 to 3.6	-	12.80	10.88	9.60
511-M48Z35Y70PC1	M48Z35Y-70PC1	PCDIP-28	256K	32K X 8	70	0 to 70	4.5 to 5.5	-	17.37	12.15	11.30
511-M48Z3570PC1	M48Z35-70PC1	PCDIP-28	256K	32K X 8	70	0 to 70	4.75 to 5.5	-	17.37	12.17	11.30
511-M48Z128Y70PM1	M48Z128Y-70PM1	DIP-32 Module	1M	128K X 8	70	0 to 70	4.5 to 5.5	-	22.74	17.28	16.90
511-M48Z128Y85PM1	M48Z128Y-85PM1	DIP-32 Module	1M	128K X 8	85	0 to 70	4.5 to 5.5	-	26.24	19.94	19.50
511-M48Z12870PM1	M48Z128-70PM1	DIP-32 Module	1M	128K X 8	70	0 to 70	4.75 to 5.5	-	22.74	17.28	16.90
511-M48Z512AY70PM1	M48Z512AY-70PM1	DIP-32 Module	4M	512K X 8	70	0 to 70	4.5 to 5.5	-	70.00	59.50	52.50
511-M48Z512A70PM1	M48Z512A-70PM1	DIP-32 Module	4M	512K X 8	70	0 to 70	4.75 to 5.5	-	61.24	46.54	45.50
511-M48Z2M1Y70PL1	M48Z2M1Y-70PL1	DIP-36 Module	16M	2M X 8	70	0 to 70	4.5 to 5.5	-	200.00	170.00	150.00
Snaphat Battery & Crystal for Realtime Clocks			**Description**								
511-M4Z28BR00SH1	M4Z28-BR00SH1	SH-28	For SOH-28 Zeropower SRAMs			0 to 70	-	48.0	3.40	2.89	2.55
511-M4Z32BR00SH1	M4Z32-BR00SH1	SH-28	For SOH-28 Zeropower SRAMs			0 to 70	-	120.0	6.20	5.27	4.65

TIMEKEEPER® NON-VOLATILE RAMS

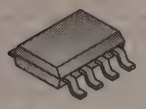
TIMEKEEPER® NVRAMs build on ST's ZEROPOWER® NVRAMs by adding non-volatile Real-Time Clocks. The Automatic Battery Switchover and Write Protect circuits are extended to the RTC section where counter-registers keep track of year, month, day, date, hours, minutes, and seconds. A low-power 32KHz oscillator provides the timing. It is optimized to draw only a tiny amount of current - as low as 40nA - so it adds only a small additional load to the battery. The RTC registers are mapped into the LPSRAM. Eight to 16 bytes of the LPSRAM are replaced by the RTC registers. The day, date, and time are read and written just like RAM locations.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Density	Organization	Access Time(ns)	Temp. Range (°C)	Supply Voltage (V)	Nominal Battery Cap.(mAh)	Price Each 1	100	500
Surface Mount											
511-M48T58Y70MH1E	M48T58Y-70MH1E	SOH-28	64K	8K X 8	70	0 to 70	4.5 to 5.5	-	9.90	8.42	7.43
511-M48T59Y70MH1E	M48T59Y-70MH1E	SOH-28	64K	8K X 8	70	0 to 70	4.5 to 5.5	-	11.89	8.32	7.74
511-M48T08Y10MH1E	M48T08Y-10MH1E	SOH-28	64K	8K X 8	100	0 to 70	4.5 to 5.5	-	15.30	10.71	10.17
511-M48T35AV10MH1	M48T35AV-10MH1	SOH-28	256K	32K X 8	100	0 to 70	3.0 to 3.6	-	14.89	10.42	9.69
511-M48T35Y70MH1E	M48T35Y-70MH1E	SOH-28	256K	32K X 8	70	0 to 70	4.5 to 5.5	-	15.99	11.20	10.15
511-M48T37V10MH1E	M48T37V-10MH1E	SOH-44	256K	32K X 8	100	0 to 70	3.0 to 3.6	-	15.90	11.13	10.09
511-M48T37V10MH6	M48T37V-10MH6	SOH-44	256K	32K X 8	100	-40 to 85	3.0 to 3.6	-	18.89	13.22	12.29
511-M48T37Y70MH1	M48T37Y-70MH1	SOH-44	256K	32K X 8	70	0 to 70	4.5 to 5.5	-	15.89	11.12	10.34
511-M48T37Y70MH6	M48T37Y-70MH6	SOH-44	256K	32K X 8	70	-40 to 85	4.5 to 5.5	-	18.89	13.22	12.29
Thru Hole											
511-M48T0270PC1	M48T02-70PC1	PCDIP-24	16K	2K X 8	70	0 to 70	4.75 to 5.5	-	15.99	11.19	10.40
511-M48T0215PC1	M48T02-150PC1	PCDIP-24	16K	2K X 8	150	0 to 70	4.75 to 5.5	-	15.99	11.19	10.40
511-M48T0220PC1	M48T02-200PC1	PCDIP-24	16K	2K X 8	200	0 to 70	4.75 to 5.5	-	15.99	11.19	10.40
511-M48T1270PC1	M48T12-70PC1	PCDIP-24	16K	2K X 8	70	0 to 70	4.5 to 5.5	-	15.99	11.19	10.40
511-M48T1215PC1	M48T12-150PC1	PCDIP-24	16K	2K X 8	150	0 to 70	4.5 to 5.5	-	15.99	11.19	10.40
511-M48T1220PC1	M48T12-200PC1	PCDIP-24	16K	2K X 8	200	0 to 70	4.5 to 5.5	-	15.99	11.19	10.40
511-M48T5870PC1	M48T58-70PC1	PCDIP-28	64K	8K X 8	70	0 to 70	4.75 to 5.5	-	17.99	12.59	11.70
511-M48T59Y70PC1	M48T59Y-70PC1	PCDIP-28	64K	8K X 8	70	0 to 70	4.5 to 5.5	-	17.49	13.29	13.00
511-M48T0810PC1	M48T08-100PC1	PCDIP-28	64K	8K X 8	100	0 to 70	4.75 to 5.5	-	17.49	13.29	13.00
511-M48T0815PC1	M48T08-150PC1	PCDIP-28	64K	8K X 8	150	0 to 70	4.75 to 5.5	-	17.49	13.29	13.00
511-M48T1810PC1	M48T18-100PC1	PCDIP-28	64K	8K X 8	100	0 to 70	4.5 to 5.5	-	17.49	13.29	13.00
511-M48T1815PC1	M48T18-150PC1	PCDIP-28	64K	8K X 8	150	0 to 70	4.5 to 5.5	-	17.49	13.29	13.00
511-M48T35AV10PC1	M48T35AV-10PC1	PCDIP-28	256K	32K X 8	100	0 to 70	3.0 to 3.6	-	17.30	14.71	12.98
511-M48T35Y70PC1	M48T35Y-70PC1	PCDIP-28	256K	32K X 8	70	0 to 70	4.5 to 5.5	-	17.49	13.29	13.00
511-M48T3570PC1	M48T35-70PC1	PCDIP-28	256K	32K X 8	70	0 to 70	4.75 to 5.5	-	17.49	13.29	13.00
511-M48T128Y70PM1	M48T128Y-70PM1	DIP-32 Module	1M	128K X 8	70	0 to 70	4.5 to 5.5	-	31.49	23.93	23.40
511-M48T512Y70PM1	M48T512Y-70PM1	DIP-32 Module	4M	512K X 8	70	0 to 70	4.5 to 5.5	-	80.00	68.00	60.00
Snaphat Battery & Crystal for Timekeeper Non-Volatile RAMs			**Description**								
511-M4T28BR12SH1	M4T28-BR12SH1	SH-28	For SOH-28 & 44 realtime clocks			0 to 70	-	48	3.88	3.30	2.91
511-M4T32BR12SH1	M4T32-BR12SH1	SH-28	For SOH-28 & 44 realtime clocks			0 to 70	-	120	5.54	4.71	4.16
511-M4T32BR12SH6	M4T32-BR12SH6	SH-28	For SOH-28 & 44 realtime clocks			-40 to +85	-	120	6.40	5.44	4.80

STMICROELECTRONICS Flash Memory

STMicroelectronics



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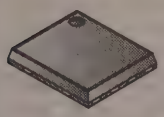

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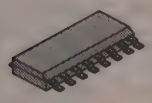

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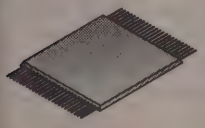
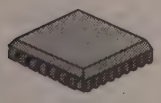


TSOP-48



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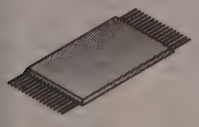

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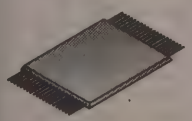


TSOP-40

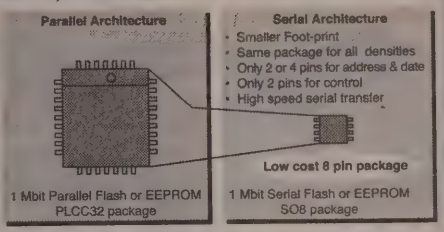
SO-44

STMICROELECTRONICS SINGLE VOLTAGE (3V) FLASH MEMORY, SERIAL

If you are looking for a fast, high density Serial NVM, the M25P series at 40/50MHz, are significantly faster than competitive flash-based serial access solutions. With their fast system speed, sequential read capability, low power consumption, small package and low cost, ST's Serial Flash family offers added value to both high and low end applications. ST's family of high-speed low-voltage Serial Flash memory includes devices from 512Kb to 64Mb. They feature a four-wire SPI-compatible interface with guaranteed compatibility to future higher and lower densities. Reduced power consumption is enabled by a single supply voltage of 2.7V to 3.6V plus a deep power-down mode that typically draws 1µA.

Features:

- Best in class frequency performance: 40MHz from 512Kb to 8Mbit and 50MHz from 16Mb to 64Mbit!
- Largest portfolio: From 512Kb to 64Mb and above
- Deep Power Down Mode (1µA typical)
- Single 2.7 to 3.6V Supply Voltage
- Smallest packages: S0-8 Narrow from 512Kbit to 4Mbit, S0-8 wide for the 8Mbit, S0-16 wide for the 16Mbit, 32Mbit and the 64Mbit, 512Kbit in TSSOP-8


Parallel Architecture
1 Mbit Parallel Flash or EEPROM
PLCC32 package
Serial Architecture
Smaller Foot-print
Same package for all densities
Only 2 or 4 pins for address & date
Only 2 pins for control
High speed serial transfer
Low cost 8 pin package
1 Mbit Serial Flash or EEPROM
SO8 package

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Clock Freq. (MHz)	Temp. Range (°C)	Operating Voltage (V)	Erase Sector/Bulk Size	Price Each 1	100	500
Surface Mount											
511-M25P05-AVMN6	M25P05-AVMN6	SO-8	512K	64K X 8	50	- 40 to + 85	2.7 to 3.6	256K/512K	2.10	1.79	1.58
511-M25P10-AVMN6	M25P10-AVMN6	SO-8	1M	128K X 8	50	- 40 to + 85	2.7 to 3.6	256K/1M	1.79	1.26	.90
511-M25P10-AVMN6P	M25P10-AVMN6P	SO-8	1M	128K X 8	50	- 40 to + 85	2.7 to 3.6	256K/1M	1.79	1.26	.90
511-M25P20-VMN6	M25P20-VMN6	SO-8	2M	256K X 8	40	- 40 to + 85	2.7 to 3.6	512K/2M	3.00	2.55	2.25
511-M25P40-VMN6P	M25P40-VMN6P	SO-8	4M	512K X 8	40	- 40 to + 85	2.7 to 3.6	512K/4M	2.84	1.99	1.42
511-M25P40-VMN6	M25P40-VMN6	SO-8	4M	512K X 8	40	- 40 to + 85	2.7 to 3.6	512K/4M	3.23	2.41	2.41
511-M25P40-VMP6TG	M25P40-VMP6TG	VDFPN-8	4M	512K X 8	40	- 40 to + 85	2.7 to 3.6	512K/4M	3.15	2.04	1.63
511-M25P80-VMW6G	M25P80-VMW6G	SO-8	8M	1M X 8	40	- 40 to + 85	2.7 to 3.6	512K/8M	2.96	2.52	2.22
511-M25P80-VMW6	M25P80-VMW6	SO-8	8M	1M x 8	40	- 40 to + 85	2.7 to 3.6	512K/8M	4.26	3.62	3.20
511-M25P80-VMP6TG	M25P80-VMP6TG	VDFPN-8	8M	1M X 8	40	- 40 to + 85	2.7 to 3.6	512K/8M	4.19	2.71	2.17
511-M25P16-VMF6P	M25P16-VMF6P	SO-16	16M	2M X 8	50	- 40 to + 85	2.7 to 3.6	512K/16M	4.56	2.95	2.36
511-M25P32-VMF6P	M25P32-VMF6P	SO-16	32M	4M X 8	50	- 40 to + 85	2.7 to 3.6	512K/32M	6.22	4.52	3.48

STMICROELECTRONICS SINGLE VOLTAGE (3V) FLASH MEMORY, PAGE ERASABLE SERIAL

If you need fast transfer of data and parameters, think Serial Flash for Data Storage family. The M45PE series is a high capacity non-volatile memory family offering a higher granularity than previously available. Each Page of 256 Bytes can be individually erased and programmed, with a Write instruction offering the possibility to update data at byte level.

- Sequential Read
- 1MB: Full memory READ in 42ms @ 2.7V
- From 1 up to 256 byte programming in one shot (1ms)
- Erasable by page (256 Byte) or by sector
- Write feature offering Byte granularity
- 25MHz and above Clock Rate
- Single 2.7 to 3.6V Supply Voltage
- SPI Bus Compatible Serial Interface

For quantities of 1000 and up, call for quote.

Surface Mount											
511-M45PE40-VMP6G	M45PE40-VMP6G	VDFPN-8	4M	512K X 8	25.0	- 40 to + 85	2.7 to 3.6	256/512K	3.56	2.31	1.85
511-M45PE80-VMP6G	M45PE80-VMP6G	VDFPN-8	8M	1M X 8	25.0	- 40 to + 85	2.7 to 3.6	256/512K	5.40	4.59	4.05

STMICROELECTRONICS SINGLE VOLTAGE (3V) FLASH MEMORY, NAND

In the world of Non Volatile Memory products, the NAND Flash market is growing at the fastest rate, fuelled, as for Multimedia Systems products, by the increasing demand for density, performances, and cost. NAND Flash is the ideal solution for applications requiring a large amount of data storage memory, digital cameras and camcorders, PDAs, MP3 players, digital consumer equipment including 3G cell phones, and removable storage media like USB disk and Flash Cards. STMicroelectronics' NAND Flash range is targeted at a large and growing number of applications requiring a wide spectrum of densities: from 128Mbit up to 8Gbit and above, different page sizes: 528B/264W and 2112B/1056W with a modular interface, footprint independent from density 1.8V and 3V power supplies and a wide packaging roadmap.

- Copy Back program mode, to optimize management of defective blocks
- Chip Enable Don't Care, for an easy code download by MCUs
- Boot from NAND at power-on, to download boot sectors to RAM space
- Security Identifier and Serial Number OTP area
- Hardware data protection pin

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Clock Freq. (MHz)	Temp. Range (°C)	Operating Voltage (V)	Single Level Cell	Price Each 1	100	500
Surface Mount											
511-NAND128W3A0AN6E	NAND128W3A0AN6E	TSOP-48	128M	16M X 8	12	- 40 to + 85	2.7 to 3.6	Small	10.00	8.50	7.50
511-NAND01GW3B2AN6E	NAND01GW3B2AN6E	PLCC-32	1G	128M X 8	12	- 40 to + 85	2.7 to 3.6	Small	34.00	28.90	25.50

STMICROELECTRONICS SINGLE VOLTAGE (3V) FLASH MEMORY, NOR

STs M29 series of Flash Memories meets the most demanding needs of designers looking for 1Mbit to 64Mbit density, with the added advantages of ease of use and reliability. The memories are divided into blocks that can be erased independently to allow valid data to be preserved while old data is erased. For higher flexibility in code storage they have both asymmetrical and symmetrical block architecture. In the first case, the memory array includes a Boot Block (at the Top or Bottom of the address space, to suit different microprocessors), a parameter and main blocks. In the symmetrical architecture the blocks have the same size. Each block can sustain over 100,000 program/erase cycles with 20 years data retention.

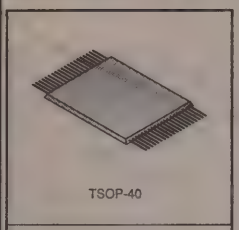
- Advanced 0.15µm technology
- Common Flash Interface (CFI)
- Choice of symmetrical and asymmetrical block architecture
- Automatic stand-by mode
- Wide choice of packages
- Security Features
- High performance:
  - 45ns access time at 3V and 5V
  - Full extended Operating Temp. -40 to +85°C
- Very fast erase and programming time
- 12V Vpp fast programming option

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Clock Freq. (MHz)	Temp. Range (°C)	Operating Voltage (V)	Erase Sector/Bulk Size	Price Each 1	100	500
Surface Mount											
511-M29W010B70N	M29W010B70N1	TSOP-32	1M	128K X 8	70	0 to 70	2.7 to 3.6	Uniform Block	2.70	1.75	1.40
511-M29W010B70K	M29W010B70K1	PLCC-32	1M	128K X 8	70	0 to 70	2.7 to 3.6	Uniform Block	3.24	2.10	1.68
511-M29W010B90N	M29W010B90N1	TSOP-32	1M	128K X 8	90	0 to 70	2.7 to 3.6	Uniform Block	2.70	1.75	1.40
511-M29W010B90K	M29W010B90K1	PLCC-32	1M	128K X 8	90	0 to 70	2.7 to 3.6	Uniform Block	2.70	1.75	1.40
511-M29W200BT55N	M29W200BT55N1	TSOP-48	2M	256K X 8 or 128K X16	55	0 to 70	2.7 to 3.6	Top Boot	6.40	5.44	4.80
511-M29W200BB70M	M29W200BB70M1	SO-44	2M	256K X 8 or 128K X16	70	0 to 70	2.7 to 3.6	Bottom Boot	6.40	5.44	4.80
511-M29W200BB70N	M29W200BB70N1	TSOP-48	2M	256K X 8 or 128K X16	70	0 to 70	2.7 to 3.6	Bottom Boot	3.11	2.01	1.61
511-M29W200BT70M	M29W200BT70M1	SO-44	2M	256K X 8 or 128K X16	70	0 to 70	2.7 to 3.6	Top Boot	3.56	2.31	1.85
511-M29W200BT70N	M29W200BT70N1	TSOP-48	2M	256K X 8 or 128K X16	70	0 to 70	2.7 to 3.6	Top Boot	3.11	2.01	1.61
511-M29W200BB90M	M29W200BB90M1	SO-44	2M	256K X 8 or 128K X16	90	0 to 70	2.7 to 3.6	Bottom Boot	6.40	5.44	4.80
511-M29W200BB90N	M29W200BB90N1	TSOP-48	2M	256K X 8 or 128K X16	90	0 to 70	2.7 to 3.6	Bottom Boot	6.40	5.44	4.80
511-M29W040B55N	M29W040B55N1	TSOP-32	4M	512K X 8	55	0 to 70	2.7 to 3.6	Uniform Block	3.38	2.19	1.75
511-M29W040B55K	M29W040B55K1	PLCC-32	4M	512K X 8	55	0 to 70	2.7 to 3.6	Uniform Block	3.92	2.54	2.03
511-M29W004BT70N	M29W004BT70N1	TSOP-40	4M	512K X 8	70	0 to 70	2.7 to 3.6	Top Boot	8.00	6.80	6.00
511-M29W040B70N	M29W040B70N1	TSOP-32	4M	512K X 8	70	0 to 70	2.7 to 3.6	Uniform Block	3.38	2.19	1.75
511-M29W040B90K	M29W040B90K1	PLCC-32	4M	512K X 8	90	0 to 70	2.7 to 3.6	Uniform Block	3.92	2.54	2.03
511-M29W040B90N	M29W040B90N1	TSOP-32	4M	512K X 8	90	0 to 70	2.7 to 3.6	Uniform Block	8.00	6.80	6.00
511-M29W040B12N	M29W040B120N1	TSOP-32	4M	512K X 8	120	0 to 70	2.7 to 3.6	Uniform Block	2.50	2.13	1.88

STMICROELECTRONICS Flash Memory

STMicroelectronics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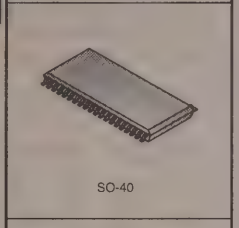
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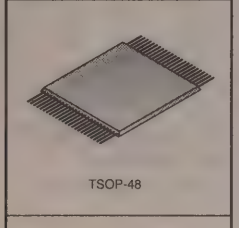
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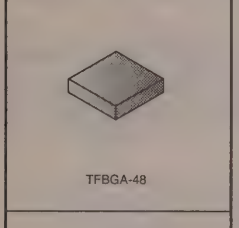
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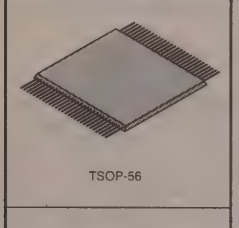
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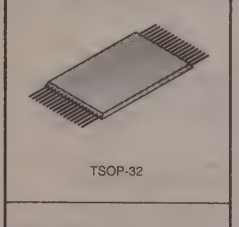
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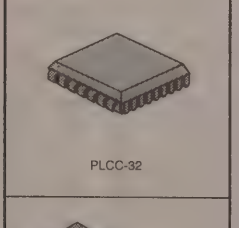
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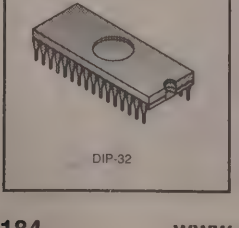

DIP-32

STMICROELECTRONICS SINGLE VOLTAGE (3V) FLASH MEMORY, NOR (CONT.)

STs M29 series of Flash Memories meets the most demanding needs of designers looking for 1Mbit to 64Mbit density, with the added advantages of ease of use and reliability. The memories are divided into blocks that can be erased independently to allow valid data to be preserved while old data is erased. For higher flexibility in code storage they have both asymmetrical and symmetrical block architecture. In the first case, the memory array includes a Boot Block (at the Top or Bottom of the address space, to suit different microprocessors), a parameter and main blocks. In the symmetrical architecture the blocks have the same size. Each block can sustain over 100,000 program/erase cycles with 20 years data retention.

- Advanced 0.15µm technology
- Common Flash Interface (CFI)
- Choice of symmetrical and asymmetrical block architecture
- Automatic stand-by mode
- Wide choice of packages
- Security Features
- High performance:
  - 45ns access time at 3V and 5V
  - Full extended Operating Temp. -40 to +85°C
  - Very fast erase and programming time
  - 12V Vpp fast programming option

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Access Time (ns)	Temp. Range (°C)	Operating Voltage (V)	Array Matrix	Price Each 1	100	500
Surface Mount (cont.)											
511-M29W004BB12N	M29W004BB120N1	TSOP-40	4M	512K X 8	120	0 to 70	2.7 to 3.6	Bottom Boot	8.00	6.80	6.00
511-M29W004BT12N6	M29W004BT120N6	TSOP-40	4M	512K X 8	120	-40 to +85	2.7 to 3.6	Top Boot	8.00	6.80	6.00
511-M29W400BB55M	M29W400BB55M1	SO-44	4M	512K X 8 or 256K X 16	55	0 to 70	2.7 to 3.6	Bottom Boot	8.00	6.80	6.00
511-M29W400BB55N	M29W400BB55N1	TSOP-48	4M	512K X 8 or 256K X 16	55	0 to 70	2.7 to 3.6	Bottom Boot	8.00	6.80	6.00
511-M29W400BT55N	M29W400BT55N1	TSOP-48	4M	512K X 8 or 256K X 16	55	0 to 70	2.7 to 3.6	Top Boot	8.00	6.80	6.00
511-M29W400BT70N	M29W400BT70N1	TSOP-48	4M	512K X 8 or 256K X 16	70	0 to 70	2.7 to 3.6	Top Boot	8.00	6.80	6.00
511-M29W400BT90M	M29W400BT90M1	SO-44	4M	512K X 8 or 256K X 16	90	0 to 70	2.7 to 3.6	Top Boot	8.00	6.80	6.00
511-M29W400BT90N	M29W400BT90N1	TSOP-48	4M	512K X 8 or 256K X 16	90	0 to 70	2.7 to 3.6	Top Boot	8.00	6.80	6.00
511-M29W008AB12N6	M29W008AB120N6	TSOP-40	8M	1M x 8	120	-40 to +85	2.7 to 3.6	Bottom Boot	12.00	10.20	9.00
511-M29W800DB70N	M29W800DB70N1	TSOP-48	8M	1M X 8 or 512K X 16	70	0 to 70	2.7 to 3.6	Bottom Boot	6.20	5.27	4.65
511-M29W800DT70N	M29W800DT70N1	TSOP-48	8M	1M X 8 or 512K X 16	70	0 to 70	2.7 to 3.6	Top Boot	4.19	2.71	2.17
511-M29W800AB80N	M29W800AB80N1	TSOP-48	8M	1M X 8 or 512K X 16	80	0 to 70	2.7 to 3.6	Bottom Boot	12.00	10.20	9.00
511-M29W800AT80N	M29W800AT80N1	TSOP-48	8M	1M X 8 or 512K X 16	80	0 to 70	2.7 to 3.6	Top Boot	12.00	10.20	9.00
511-M29W800AT12N	M29W800AT120N1	TSOP-48	8M	1M X 8 or 512K X 16	120	0 to 70	2.7 to 3.6	Top Boot	12.00	10.20	9.00
511-M29W800DB70N6E	M29W800DB70N6E	TSOP-48	8M	1M X 8 or 512K X 16	70	-40 to +85	2.7 to 3.6	Bottom Boot	4.19	2.71	2.17
511-M29W800DB70ZE6E	M29W800DB70ZE6E	TFBGA-48	8M	1M X 8 or 512K X 16	70	-40 to +85	2.7 to 3.6	Bottom Boot	6.20	5.27	4.65
511-M29W160EB70N6E	M29W160EB70N6E	TSOP-48	16M	2M X 8 or 1M X 16	70	-40 to +85	2.7 to 3.6	Bottom Boot	5.40	3.50	2.80
511-M29W160EB70ZA6E	M29W160EB70ZA6E	TFBGA-48	16M	2M X 8 or 1M X 16	70	-40 to +85	2.7 to 3.6	Bottom Boot	5.40	3.50	2.80
511-M29W160ET70N1	M29W160ET70N1	TSOP-48	16M	2M X 8 or 1M X 16	70	0 to 70	2.7 to 3.6	Top Boot	10.00	8.50	7.50
511-M29W320DB70N6	M29W320DB70N6	TSOP-48	32M	4M X 8 or 2M X 16	70	-40 to +85	2.7 to 3.6	Bottom Boot	14.00	11.90	10.50
511-M29W320DT70N6	M29W320DT70N6	TSOP-48	32M	4M X 8 or 2M X 16	70	-40 to +85	2.7 to 3.6	Top Boot	7.36	5.31	4.16
511-M29W320EB70N6E	M29W320EB70N6E	TS0P-48	32M	4M X 8 or 2M X 16	70	-40 to +85	2.7 to 3.6	Bottom Boot	7.36	5.31	4.16
511-M29W320EB70ZE6E	M29W320EB70ZE6E	TFBGA-48	32M	4M X 8 or 2M X 16	70	-40 to +85	2.7 to 3.6	Bottom Boot	7.36	5.31	4.16
511-M58LW032D110N6	M58LW032D110N6	TSOP-56	32M	4M X 8 or 2M X 16	110	-40 to +85	2.7 to 3.6	Uniform Block	8.74	6.31	4.94
511-M29W640DB90N6E	M29W640DB90N6E	TSOP-48	64M	8M X 8 or 4M X 16	110	-40 to +85	2.7 to 3.6	Bottom Boot	15.00	10.50	9.75
511-M58LW064D110N6	M58LW064D110N6	TSOP-56	64M	8M X 8 or 4M X 16	110	-40 to +85	2.7 to 3.6	Uniform Block	15.00	10.50	9.75

STMICROELECTRONICS SINGLE VOLTAGE (5V) FLASH MEMORY, NOR

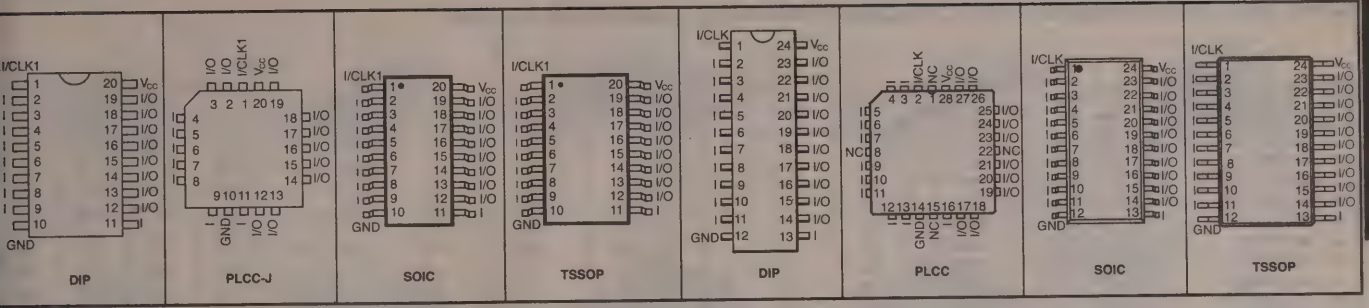
STs M29 series of Flash Memories meets the most demanding needs of designers looking for 1Mbit to 64Mbit density, with the added advantages of ease of use and reliability. The memories are divided into blocks that can be erased independently to allow valid data to be preserved while old data is erased. For higher flexibility in code storage they have both asymmetrical and symmetrical block architecture. In the first case, the memory array includes a Boot Block (at the Top or Bottom of the address space, to suit different microprocessors), a parameter and main blocks. In the symmetrical architecture the blocks have the same size. Each block can sustain over 100,000 program/erase cycles with 20 years data retention.

- Advanced 0.15µm technology
- Common Flash Interface (CFI)
- Choice of symmetrical and asymmetrical block architecture
- Security Features
- Automatic stand-by mode
- Wide choice of packages
- High performance:
  - 45ns access time at 3V and 5V
  - Full extended Operating Temp. -40 to +85°C
  - Very fast erase and programming time
  - 12V Vpp fast programming option

For quantities of 1000 and up, call for quote.

Surface Mount											
511-M29F010B45N	M29F010B45N1	TSOP-32	1M	128K X 8	45	0 to 70	4.5 to 5.5	Uniform Block	2.70	1.75	1.40
511-M29F010B45K	M29F010B45K1	PLCC-32	1M	128K X 8	45	0 to 70	4.5 to 5.5	Uniform Block	3.24	2.10	1.68
511-M29F010B70N	M29F010B70N1	TSOP-32	1M	128K X 8	70	0 to 70	4.5 to 5.5	Uniform Block	2.70	1.75	1.40
511-M29F010B90N	M29F010B90N1	TSOP-32	1M	128K X 8	90	0 to 70	4.5 to 5.5	Uniform Block	2.70	1.75	1.40
511-M29F102BB35N	M29F102BB35N1	TSOP-40	1M	64K X 16	35	0 to 70	4.5 to 5.5	Bottom Boot	2.70	1.75	1.40
511-M29F100BB90M	M29F100BB90M1	SO-44	1M	128K X 8 or 64K X 16	90	0 to 70	4.5 to 5.5	Bottom Boot	6.00	5.10	4.50
511-M29F100BT90M	M29F100BT90M1	SO-44	1M	128K X 8 or 64K X 16	90	0 to 70	4.5 to 5.5	Top Boot	6.00	5.10	4.50
511-M29F002BT45N	M29F002BT45N1	TSOP-32	2M	256K X 8	45	0 to 70	4.5 to 5.5	Top Boot	6.00	5.10	4.50
511-M29F002BT45K	M29F002BT45K1	PLCC-32	2M	256K X 8	45	0 to 70	4.5 to 5.5	Top Boot	3.56	2.31	1.85
511-M29F002BB70N	M29F002BB70N1	TSOP-32	2M	256K X 8	70	0 to 70	4.5 to 5.5	Bottom Boot	3.11	2.01	1.61
511-M29F002BT70N	M29F002BT70N1	TSOP-32	2M	256K X 8	70	0 to 70	4.5 to 5.5	Top Boot	3.11	2.01	1.61
511-M29F002BB70K	M29F002BB70K1	PLCC-32	2M	256K X 8	70	0 to 70	4.5 to 5.5	Bottom Boot	6.40	5.44	4.80
511-M29F002BB90N	M29F002BB90N1	TSOP-32	2M	256K X 8	90	0 to 70	4.5 to 5.5	Bottom Boot	3.11	2.01	1.61
511-M29F002BB90K	M29F002BB90K1	PLCC-32	2M	256K X 8	90	0 to 70	4.5 to 5.5	Bottom Boot	6.40	5.44	4.80
511-M29F200BB45N	M29F200BB45N1	TSOP-48	2M	256K X 8 or 128 X 16	45	0 to 70	4.5 to 5.5	Bottom Boot	3.11	2.01	1.61
511-M29F200BT70N	M29F200BT70N1	TSOP-48	2M	256K X 8 or 128 X 16	70	0 to 70	4.5 to 5.5	Top Boot	3.11	2.01	1.61
511-M29F040B45K	M29F040B45K1	PLCC-32	4M	512K X 8	45	0 to 70	4.5 to 5.5	Uniform Block	3.38	2.19	1.75
511-M29F040B55K	M29F040B55K1	PLCC-32	4M	512K X 8	55	0 to 70	4.5 to 5.5	Uniform Block	8.00	6.80	6.00
511-M29F040B70N	M29F040B70N1	TSOP-32	4M	512K X 8	70	0 to 70	4.5 to 5.5	Uniform Block	3.38	2.19	1.75
511-M29F040B70K	M29F040B70K1	PLCC-32	4M	512K X 8	70	0 to 70	4.5 to 5.5	Uniform Block	8.00	6.80	6.00
511-M29F040B90N	M29F040B90N1	TSOP-32	4M	512K X 8	90	0 to 70	4.5 to 5.5	Uniform Block	3.38	2.19	1.75
511-M29F040B90K	M29F040B90K1	PLCC-32	4M	512K X 8	90	0 to 70	4.5 to 5.5	Uniform Block	3.38	2.19	1.75
511-M29F400BB45N	M29F400BB45N1	TSOP-48	4M	512K X 8 or 256K X 16	45	0 to 70	4.5 to 5.5	Bottom Boot	3.38	2.19	1.75
511-M29F400BT45N	M29F400BT45N1	TSOP-48	4M	512K X 8 or 256K X 16	45	0 to 70	4.5 to 5.5	Top Boot	3.38	2.19	1.75
511-M29F400BB55M	M29F400BB55M1	SO-44	4M	512K X 8 or 256K X 16	55	0 to 70	4.5 to 5.5	Bottom Boot	3.92	2.54	2.03
511-M29F400BT55N	M29F400BT55N1	TSOP-48	4M	512K X 8 or 256K X 16	55	0 to 70	4.5 to 5.5	Top Boot	3.38	2.19	1.75
511-M29F400BT70M	M29F400BT70M1	SO-44	4M	512K X 8 or 256K X 16	70	0 to 70	4.5 to 5.5	Top Boot	3.92	2.54	2.03
511-M29F400BT70N	M29F400BT70N1	TSOP-48	4M	512K X 8 or 256K X 16	70	0 to 70	4.5 to 5.5	Top Boot	3.38	2.19	1.75
511-M29F400BT90M	M29F400BT90M1	SO-44	4M	512K X 8 or 256K X 16	90	0 to 70	4.5 to 5.5	Top Boot	8.00	6.80	6.00
511-M29F400BT90N	M29F400BT90N1	TSOP-48	4M	512K X 8 or 256K X 16	90	0 to 70	4.5 to 5.5	Top Boot	3.38	2.19	1.75
511-M29F016D70N	M29F016D70N1	TSOP-40	16M	2M X 8	70	0 to 70	4.5 to 5.5	Uniform Block	5.75	4.15	3.25
511-M29F016B90M	M29F016B90M1	SO-44	16M	2M X 8	90	0 to 70	4.5 to 5.5	Uniform Block	20.00	17.00	15.00
511-M29F032D70N6	M29F032D70N6	TSOP-40	32M	4M X 8	70	-40 to +85	4.5 to 5.5	Uniform Block	16.00	11.20	10.16
Thru Hole											
511-M29F002BT90P	M29F002BT90P1	DIP-32	2M	256K X 8	90	0 to 70	4.5 to 5.5	Top Boot	6.40	5.44	4.80

ANACHIP ICT PLD



CMOS SPLD PROGRAMMABLE ELECTRICALLY ERASABLE LOGIC DEVICE

The Anachip ICT PEEL™ is a Programmable Electrically Erasable Logic (PEEL) device providing an attractive alternative to ordinary PLDs. The Anachip ICT PEEL™ offers the performance, flexibility, ease of design and production practicality needed by logic designers today. EE-Reprogrammability provides the convenience of instant reprogramming for development and reusable production inventory minimizing the impact of programming changes or errors. EE Reprogrammability also improves factory testability, thus assuring the highest quality possible.

Features:

- Compatible with popular 16V8 and ZZV10 devices
- CMOS electricity erasable technology
- Replaces random logic in a standard 20, 24 28 pin PLD configuration.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Anachip Part No.	Package	Speed (ns)	Inputs	I/O	Supply Voltage (VDC)	Power Icc (mA)		Operating Temperature	Price Each			
							Icc(mA) typ.	Icc(mA) max.		1	25	50	100
811-18CV8J7L	PEEL18CV8J-7L	PLCC-20	7.5	10	8	4.75 - 5.25	42	90	0°C to +70°C	3.30	2.64	2.11	1.98
811-18CV8JI-7L	PEEL18CV8JI-7L	PLCC-20	7.5	10	8	4.5 - 5.5	42	90	-40°C to +85°C	3.93	3.14	2.51	2.36
811-18CV8P7L	PEEL18CV8P-7L	PDIP-20	7.5	10	8	4.75 - 5.25	42	90	0°C to +70°C	3.23	2.58	2.06	1.94
811-18CV8PI-7L	PEEL18CV8PI-7L	PDIP-20	7.5	10	8	4.5 - 5.5	42	90	-40°C to +85°C	3.85	3.08	2.46	2.31
811-18CV8SI7	PEEL18CV8SI-7	SOIC-20	7.5	10	8	4.5 - 5.5	42	90	-40°C to +85°C	4.00	3.20	2.56	2.40
811-18CV8TI-7L	PEEL18CV8TI-7L	TSSOP-20	7.5	10	8	4.5 - 5.5	42	90	-40°C to +85°C	3.55	2.84	2.27	2.13
811-22CV10AJ7	PEEL22CV10AJ-7	PLCC-28	7.5	12	10	4.75 - 5.25	50	140	0°C to +70°C	4.73	4.05	3.38	2.70
811-22CV10AJI-7L	PEEL22CV10AJI-7L	PLCC-28	7.5	12	10	4.5 - 5.5	50	155	-40°C to +85°C	5.78	4.95	4.13	3.30
811-22CV10AP-7L	PEEL22CV10AP-7L	PDIP-24	7.5	12	10	4.75 - 5.25	50	140	0°C to +70°C	4.55	3.90	3.25	2.60
811-22CV10API7	PEEL22CV10API-7	PDIP-24	7.5	12	10	4.5 - 5.5	50	155	-40°C to +85°C	5.46	4.68	3.90	3.12
811-22CV10AS-7L	PEEL22CV10AS-7L	SOIC-24	7.5	12	10	4.75 - 5.25	50	140	0°C to +70°C	4.66	3.99	3.33	2.66
811-22CV10ASI-7L	PEEL22CV10ASI-7L	SOIC-24	7.5	12	10	4.5 - 5.5	50	155	-40°C to +85°C	5.60	4.80	4.00	3.20
811-22CV10AT7	PEEL22CV10AT-7	TSSOP-24	7.5	12	10	4.75 - 5.25	50	140	0°C to +70°C	5.11	4.38	3.65	2.92
811-22CV10ATI-7L	PEEL22CV10ATI-7L	TSSOP-24	7.5	12	10	4.5 - 5.5	50	155	-40°C to +85°C	6.16	5.28	4.40	3.52
811-18CV8J10	PEEL18CV8J-10	PLCC-20	10	10	8	4.75 - 5.25	42	90	0°C to +70°C	2.90	2.32	1.86	1.74
811-18CV8JI10	PEEL18CV8JI-10	PLCC-20	10	10	8	4.5 - 5.5	42	100	-40°C to +85°C	3.33	2.66	2.13	2.00
811-18CV8P10	PEEL18CV8P-10	PDIP-20	10	10	8	4.75 - 5.25	42	90	0°C to +70°C	2.85	2.28	1.82	1.71
811-18CV8PI10	PEEL18CV8PI-10	PDIP-20	10	10	8	4.5 - 5.5	42	100	-40°C to +85°C	3.40	2.72	2.18	2.04
811-18CV8S-10L	PEEL18CV8S-10L	SOIC-20	10	10	8	4.75 - 5.25	42	90	0°C to +70°C	3.00	2.40	1.92	1.80
811-18CV8SI-10L	PEEL18CV8SI-10L	SOIC-20	10	10	8	4.5 - 5.5	42	100	-40°C to +85°C	3.60	2.88	2.30	2.16
811-18CV8T10	PEEL18CV8T-10	TSSOP-20	10	10	8	4.75 - 5.25	42	90	0°C to +70°C	3.25	2.60	2.08	1.95
811-18CV8TI-10L	PEEL18CV8TI-10L	TSSOP-20	10	10	8	4.5 - 5.5	42	100	-40°C to +85°C	3.88	3.10	2.48	2.33
811-22CV10AJ10	PEEL22CV10AJ-10	PLCC-28	10	12	10	4.75 - 5.25	50	135	0°C to +70°C	4.17	3.57	2.98	2.38
811-22CV10AJI10	PEEL22CV10AJI-10	PLCC-28	10	12	10	4.5 - 5.5	50	145	-40°C to +85°C	4.87	4.17	3.48	2.78
811-22CV10AP10	PEEL22CV10AP-10	PDIP-24	10	12	10	4.75 - 5.25	50	135	0°C to +70°C	3.89	3.33	2.78	2.22
811-22CV10API-10L	PEEL22CV10API-10L	PDIP-24	10	12	10	4.5 - 5.5	50	145	-40°C to +85°C	4.66	3.99	3.33	2.66
811-22CV10AS10	PEEL22CV10AS-10	SOIC-24	10	12	10	4.75 - 5.25	50	135	0°C to +70°C	4.06	3.48	2.90	2.32
811-22CV10ASI-10L	PEEL22CV10ASI-10L	SOIC-24	10	12	10	4.5 - 5.5	50	145	-40°C to +85°C	4.87	4.17	3.48	2.78
811-22CV10AT10	PEEL22CV10AT-10	TSSOP-24	10	12	10	4.75 - 5.25	50	135	0°C to +70°C	4.73	4.05	3.38	2.70
811-22CV10ATI10	PEEL22CV10ATI-10	TSSOP-24	10	12	10	4.5 - 5.5	50	145	-40°C to +85°C	5.67	4.86	4.05	3.24
811-18CV8J15	PEEL18CV8J-15	PLCC-20	15	10	8	4.75 - 5.25	25	45	0°C to +70°C	2.65	2.12	1.70	1.59
811-18CV8JI15	PEEL18CV8JI-15	PLCC-20	15	10	8	4.5 - 5.5	25	55	-40°C to +85°C	3.20	2.56	2.05	1.92
811-18CV8P15	PEEL18CV8P-15	PDIP-20	15	10	8	4.75 - 5.25	25	45	0°C to +70°C	2.58	2.06	1.65	1.55
811-18CV8PI15	PEEL18CV8PI-15	PDIP-20	15	10	8	4.5 - 5.5	25	55	-40°C to +85°C	2.95	2.36	1.89	1.77
811-18CV8S15L	PEEL18CV8S-15L	SOIC-20	15	10	8	4.75 - 5.25	25	45	0°C to +70°C	2.70	2.16	1.73	1.62
811-18CV8SI15	PEEL18CV8SI-15	SOIC-20	15	10	8	4.5 - 5.5	25	55	-40°C to +85°C	3.25	2.60	2.08	1.95
811-18CV8T15	PEEL18CV8T-15	TSSOP-20	15	10	8	4.75 - 5.25	25	45	0°C to +70°C	3.03	2.42	1.94	1.82
811-18CV8TI-15L	PEEL18CV8TI-15L	TSSOP-20	15	10	8	4.5 - 5.5	25	55	-40°C to +85°C	3.65	2.92	2.34	2.19
811-18LV8ZJ-15L	PEEL18LV8ZJ-15L	PLCC-20	15	10	8	2.7 - 3.6	5uA/25uA*	2.0/5.0**	0°C to +70°C	4.90	3.92	3.14	2.94
811-18LV8ZJI-15L	PEEL18LV8ZJI-15L	PLCC-20	15	10	8	2.7 - 3.6	5uA/25uA*	2.0/5.0**	-40°C to +85°C	5.88	4.70	3.76	3.53
811-18LV8ZP-15L	PEEL18LV8ZP-15L	PDIP-20	15	10	8	2.7 - 3.6	5uA/25uA*	2.0/5.0**	0°C to +70°C	4.70	3.76	3.01	2.82
811-18LV8ZPI-15L	PEEL18LV8ZPI-15L	PDIP-20	15	10	8	2.7 - 3.6	5uA/25uA*	2.0/5.0**	-40°C to +85°C	5.65	4.52	3.62	3.39
811-18LV8ZS15	PEEL18LV8ZS-15	SOIC-20	15	10	8	2.7 - 3.6	5uA/25uA*	2.0/5.0**	0°C to +70°C	4.80	3.84	3.07	2.88
811-18LV8ZSI-15L	PEEL18LV8ZSI-15L	SOIC-20	15	10	8	2.7 - 3.6	5uA/25uA*	2.0/5.0**	-40°C to +85°C	5.75	4.60	3.68	3.45
811-18LV8ZTI-15L	PEEL18LV8ZTI-15L	TSSOP-20	15	10	8	2.7 - 3.6	5uA/25uA*	2.0/5.0**	-40°C to +85°C	6.08	4.86	3.89	3.65
811-22CV10AJ15	PEEL22CV10AJ-15	PLCC-28	15	12	10	4.75 - 5.25	35	135	0°C to +70°C	3.68	3.15	2.63	2.10
811-22CV10AJI15	PEEL22CV10AJI-15	PLCC-28	15	12	10	4.5 - 5.5	35	145	-40°C to +85°C	4.41	3.78	3.15	2.52
811-22CV10AP-15L	PEEL22CV10AP-15L	PDIP-24	15	12	10	4.75 - 5.25	35	135	0°C to +70°C	3.61	3.09	2.58	2.06
811-22CV10API-15L	PEEL22CV10API-15L	PDIP-24	15	12	10	4.5 - 5.5	35	145	-40°C to +85°C	4.34	3.72	3.10	2.48
811-22CV10AS15	PEEL22CV10AS-15	SOIC-24	15	12	10	4.75 - 5.25	35	135	0°C to +70°C	3.68	3.15	2.63	2.10
811-22CV10ASI-15L	PEEL22CV10ASI-15L	SOIC-24	15	12	10	4.5 - 5.5	35	145	-40°C to +85°C	4.41	3.78	3.15	2.52
811-22CV10AT15	PEEL22CV10AT-15	TSSOP-24	15	12	10	4.75 - 5.25	35	135	0°C to +70°C	4.55	3.90	3.25	2.60
811-22CV10ATI-15L	PEEL22CV10ATI-15L	TSSOP-24	15	12	10	4.5 - 5.5	35	145	-40°C to +85°C	5.46	4.68	3.90	3.12
811-16CV8J25	PEEL16CV8J-25	PLCC-20	25	10	8	4.75 - 5.25	12	37	0°C to +70°C	1.73	1.38	1.10	1.04
811-16CV8JI-25L	PEEL16CV8JI-25L	PLCC-20	25	10	8	4.5 - 5.5	12	37	-40°C to +85°C	2.10	1.68	1.34	1.26
811-16CV8P25	PEEL16CV8P-25	PDIP-20	25	10	8	4.75 - 5.25	12	37	0°C to +70°C	1.30	1.04	.83	.78
811-16CV8S25	PEEL16CV8S-25	SOIC-20	25	10	8	4.75 - 5.25	12	37	0°C to +70°C	1.70	1.36	1.09	1.02
811-16CV8SI-25L	PEEL16CV8SI-25L	SOIC-20	25	10	8	4.5 - 5.5	12	37	-40°C to +85°C	2.03	1.62	1.30	1.22
811-16CV8TI-25L	PEEL16CV8TI-25L	TSSOP-20	25	10	8	4.5 - 5.5	12	37	-40°C to +85°C	2.35	1.88	1.50	1.41

*Standby typ/max for Power Icc (mA)

** Dyn (1MHz) typ/max for Power Icc (mA)

ANACHIP ICT PLD

CMOS SPLD PROGRAMMABLE ELECTRICALLY ERASABLE LOGIC DEVICE (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Anachip Part No.	Package	Speed (ns)	Inputs	I/O	Supply Voltage (VDC)	Power Icc (mA)		Operating Temperature	Price Each			
							Icc(mA) typ.	Icc(mA) max.		1	25	50	100
811-18CV8J-25L	PEEL18CV8J-25L	PLCC-20	25	10	8	4.75 - 5.25	10	37	0°C to +70°C	2.20	1.76	1.41	1.32
811-18CV8JI-25L	PEEL18CV8JI-25L	PLCC-20	25	10	8	4.5 - 5.5	10	50	-40°C to +85°C	2.68	2.14	1.71	1.61
811-18CV8P-25L	PEEL18CV8P-25L	PDIP-20	25	10	8	4.75 - 5.25	10	37	0°C to +70°C	2.10	1.68	1.34	1.26
811-18CV8PI-25L	PEEL18CV8PI-25L	PDIP-20	25	10	8	4.5 - 5.5	10	50	-40°C to +85°C	2.53	2.02	1.62	1.52
811-18CV8S25	PEEL18CV8S-25	SOIC-20	25	10	8	4.75 - 5.25	10	37	0°C to +70°C	2.28	1.82	1.46	1.37
811-18CV8SI25	PEEL18CV8SI-25	SOIC-20	25	10	8	4.5 - 5.5	10	50	-40°C to +85°C	2.73	2.18	1.74	1.64
811-18CV8T25	PEEL18CV8T-25	TSSOP-20	25	10	8	4.75 - 5.25	10	37	0°C to +70°C	2.60	2.08	1.66	1.56
811-18CV8TI-25L	PEEL18CV8TI-25L	TSSOP-20	25	10	8	4.5 - 5.5	10	50	-40°C to +85°C	3.13	2.50	2.00	1.88
811-18CV8ZJ25	PEEL18CV8ZJ-25	PLCC-20	25	10	8	4.75 - 5.25	10uA/100uA*	2.0/5.0**	0°C to +70°C	4.05	3.24	2.59	2.43
811-18CV8ZJI25	PEEL18CV8ZJI-25	PLCC-20	25	10	8	4.5 - 5.5	10uA/100uA*	2.0/5.0**	-40°C to +85°C	4.88	3.90	3.12	2.93
811-18CV8ZP-25L	PEEL18CV8ZP-25L	PDIP-20	25	10	8	4.75 - 5.25	10uA/100uA*	2.0/5.0**	0°C to +70°C	3.88	3.10	2.48	2.33
811-18CV8ZPI-25L	PEEL18CV8ZPI-25L	PDIP-20	25	10	8	4.5 - 5.5	10uA/100uA*	2.0/5.0**	-40°C to +85°C	4.65	3.72	2.98	2.79
811-18CV8ZS-25L	PEEL18CV8ZS-25L	SOIC-20	25	10	8	4.75 - 5.25	10uA/100uA*	2.0/5.0**	0°C to +70°C	3.98	3.18	2.54	2.39
811-18CV8ZSI-25L	PEEL18CV8ZSI-25L	SOIC-20	25	10	8	4.5 - 5.5	10uA/100uA*	2.0/5.0**	-40°C to +85°C	4.75	3.80	3.04	2.85
811-18CV8ZT-25L	PEEL18CV8ZT-25L	TSSOP-20	25	10	8	4.75 - 5.25	10uA/100uA*	2.0/5.0**	0°C to +70°C	4.23	3.38	2.70	2.54
811-18CV8ZTI-25L	PEEL18CV8ZTI-25L	TSSOP-20	25	10	8	4.5 - 5.5	10uA/100uA*	2.0/5.0**	-40°C to +85°C	5.05	4.04	3.23	3.03
811-18LV8ZJ-25L	PEEL18LV8ZJ-25L	PLCC-20	25	10	8	2.7 - 3.6	5uA/25uA *	1.5/3**	0°C to +70°C	4.45	3.56	2.85	2.67
811-18LV8ZP-25L	PEEL18LV8ZP-25L	PDIP-20	25	10	8	2.7 - 3.6	5uA/25uA *	1.5/3**	0°C to +70°C	4.23	3.38	2.70	2.54
811-18LV8ZS-25L	PEEL18LV8ZS-25L	SOIC-20	25	10	8	2.7 - 3.6	5uA/25uA *	1.5/3**	0°C to +70°C	4.35	3.48	2.78	2.61
811-18LV8ZT-25L	PEEL18LV8ZT-25L	TSSOP-20	25	10	8	2.7 - 3.6	5uA/25uA *	1.5/3**	0°C to +70°C	4.63	3.70	2.96	2.78
811-22CV10AJ25	PEEL22CV10AJ-25	PLCC-28	25	12	10	4.75 - 5.25	18	67	0°C to +70°C	3.54	3.03	2.53	2.02
811-22CV10AP-25L	PEEL22CV10AP-25L	PDIP-24	25	12	10	4.75 - 5.25	18	67	0°C to +70°C	3.08	2.64	2.20	1.76
811-22CV10API-25L	PEEL22CV10API-25L	PDIP-24	25	12	10	4.5 - 5.5	18	75	-40°C to +85°C	3.71	3.18	2.65	2.12
811-22CV10AS25	PEEL22CV10AS-25	SOIC-24	25	12	10	4.75 - 5.25	18	67	0°C to +70°C	3.22	2.76	2.30	1.84
811-22CV10ASI25	PEEL22CV10ASI-25	SOIC-24	25	12	10	4.5 - 5.5	18	75	-40°C to +85°C	3.92	3.36	2.80	2.24
811-22CV10AT25	PEEL22CV10AT-25	TSSOP-24	25	12	10	4.75 - 5.25	18	67	0°C to +70°C	4.10	3.51	2.93	2.34
811-22CV10AZJ25	PEEL22CV10AZJ-25	PLCC-28	25	12	10	4.75 - 5.25	10uA/100uA *	2.0/5.0 *	0°C to +70°C	6.06	5.19	4.33	3.46
811-22CV10AZJI25	PEEL22CV10AZJI-25	PLCC-28	25	12	10	4.5 - 5.5	10uA/100uA *	2.0/5.0 *	-40°C to +85°C	7.28	6.24	5.20	4.16
811-22CV10AZP25	PEEL22CV10AZP-25	PDIP-24	25	12	10	4.75 - 5.25	10uA/100uA *	2.0/5.0 *	0°C to +70°C	5.71	4.89	4.08	3.26
811-22CV10AZSI25	PEEL22CV10AZSI-25	SOIC-24	25	12	10	4.5 - 5.5	10uA/100uA *	2.0/5.0 *	-40°C to +85°C	7.28	6.24	5.20	4.16
811-22CV10AZT-25L	PEEL22CV10AZT-25L	TSSOP-24	25	12	10	4.75 - 5.25	10uA/100uA *	2.0/5.0 *	0°C to +70°C	6.16	5.28	4.40	3.52
811-22CV10AZTI25	PEEL22CV10AZTI-25	TSSOP-24	25	12	10	4.5 - 5.5	10uA/100uA *	2.0/5.0 *	-40°C to +85°C	7.42	6.36	5.30	4.24
811-22LV10AZJ25	PEEL22LV10AZJ-25	PLCC-28	25	12	10	2.7 - 3.6	5uA/25uA *	1.5/3 *	0°C to +70°C	6.55	5.61	4.68	3.74
811-22LV10AZP25	PEEL22LV10AZP-25	PDIP-24	25	12	10	2.7 - 3.6	5uA/25uA *	1.5/3 *	0°C to +70°C	6.27	5.37	4.48	3.58
811-22LV10AZS25	PEEL22LV10AZS-25	SOIC-24	25	12	10	2.7 - 3.6	5uA/25uA *	1.5/3 *	0°C to +70°C	6.55	5.61	4.68	3.74
811-22LV10AZT-25L	PEEL22LV10AZT-25L	TSSOP-24	25	12	10	2.7 - 3.6	5uA/25uA *	1.5/3 *	0°C to +70°C	6.72	5.76	4.80	3.84
811-18LV8ZPI35	PEEL18LV8ZPI-35	PDIP-20	35	10	8	2.7 - 3.6	5uA/25uA *	1.5/3 *	-40°C to +85°C	5.08	4.06	3.25	3.05
811-18LV8ZSI35	PEEL18LV8ZSI-35	SOIC-20	35	10	8	2.7 - 3.6	5uA/25uA *	1.5/3 *	-40°C to +85°C	5.23	4.18	3.34	3.14
811-18LV8ZTI35	PEEL18LV8ZTI-35	TSSOP-20	35	10	8	2.7 - 3.6	5uA/25uA *	1.5/3 *	-40°C to +85°C	5.53	4.42	3.54	3.32
811-22LV10AZJI-35L	PEEL22LV10AZJI-35L	PLCC-28	35	12	10	2.7 - 3.6	5uA/25uA *	1.5/3 *	-40°C to +85°C	7.88	6.75	5.63	4.50
811-22LV10AZPI-35L	PEEL22LV10AZPI-35L	PDIP-24	35	12	10	2.7 - 3.6	5uA/25uA *	1.5/3 *	-40°C to +85°C	7.53	6.45	5.38	4.30
811-22LV10AZSI-35L	PEEL22LV10AZSI-35L	SOIC-24	35	12	10	2.7 - 3.6	5uA/25uA *	1.5/3 *	-40°C to +85°C	7.88	6.75	5.63	4.50
811-22LV10AZTI-35L	PEEL22LV10AZTI-35L	TSSOP-24	35	12	10	2.7 - 3.6	5uA/25uA *	1.5/3 *	-40°C to +85°C	8.09	6.93	5.78	4.62

* Standby typ/max for Power Icc (mA)

**Dyn (1 MHz) typ/max for Power Icc (mA)

CMOS CPLD PROGRAMMABLE ELECTRICALLY ERASABLE LOGIC DEVICE

The Anachip ICT PEEL™ is a Programmable Electrically Erasable Logic (PEEL) device providing an attractive alternative to ordinary PLDs. The Anachip ICT PEEL™ offers the performance, flexibility, ease of design and production practicality needed by logic designers today. EE-Reprogrammability provides the convenience of instant reprogramming for development and reusable production inventory minimizing the impact of programming changes or errors. EE Reprogrammability also improves factory testability, thus assuring the highest quality possible.

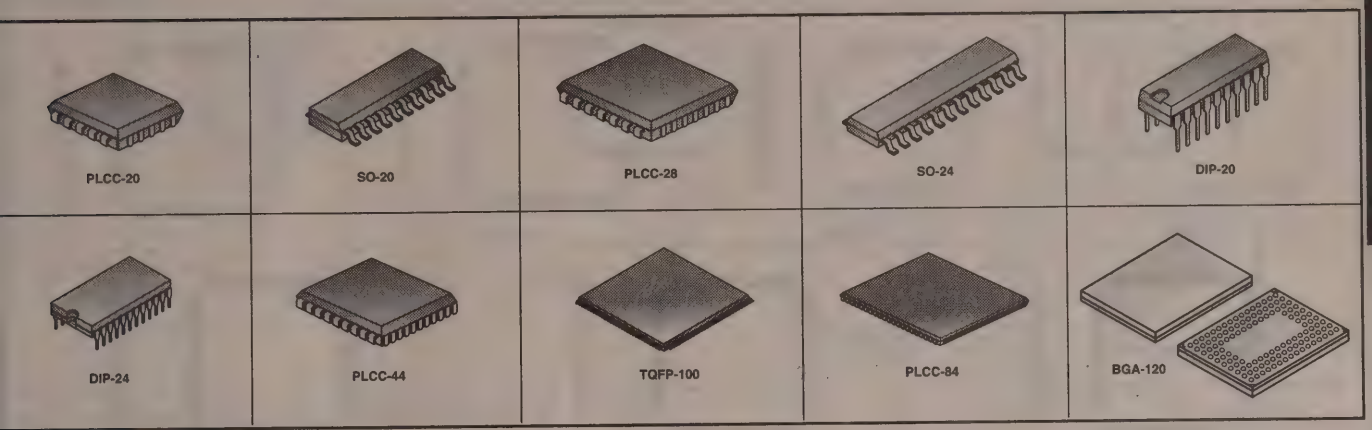
Features:

- Compatible with popular EP600/610/910, ATF750, GAL6001/6002 and PALCE29MA16 devices.
- CMOS electricity erasable technology
- Replaces random logic in a standard 24, 28 40 and 44 pin PLD configuration.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Anachip Part No.	Package	Speed (ns)	Inputs	I/O	Supply Voltage (VDC)	Power Icc (mA)		Operating Temperature	Price Each			
							Icc(mA) typ.	Icc(mA) max.		1	25	50	100
811-PA7536P-15L	PA7536P-15L	PDIP-28	15	14	12	4.75 - 5.25	45	70	0°C to +70°C	7.49	6.42	5.35	4.28
811-PA7536PI-15L	PA7536PI-15L	PDIP-28	15	14	12	4.5 - 5.5	45	70	-40°C to +85°C	9.00	7.71	6.43	5.14
811-PA7536J15	PA7536J-15	PLCC-28	15	14	12	4.75 - 5.25	45	70	0°C to +70°C	7.74	6.63	5.53	4.42
811-PA7536JI-15L	PA7536JI-15L	PLCC-28	15	14	12	4.5 - 5.5	45	70	-40°C to +85°C	9.28	7.95	6.63	5.30
811-PA7536S-15L	PA7536S-15L	SOIC-28	15	14	12	4.75 - 5.25	45	70	0°C to +70°C	7.74	6.63	5.53	4.42
811-PA7536SI-15L	PA7536SI-15L	SOIC-28	15	14	12	4.5 - 5.5	45	70	-40°C to +85°C	9.28	7.95	6.63	5.30
811-PA7540P-15L	PA7540P-15L	PDIP-24	15	2	20	4.75 - 5.25	55	90	0°C to +70°C	8.61	7.38	6.15	4.92
811-PA7540PI-15L	PA7540PI-15L	PDIP-24	15	2	20	4.5 - 5.5	55	90	-40°C to +85°C	10.33	8.85	7.38	5.90
811-PA7540J15L	PA7540J-15L	PLCC-28	15	2	20	4.75 - 5.25	55	90	0°C to +70°C	8.75	7.50	6.25	5.00
811-PA7540JI-15L	PA7540JI-15L	PLCC-28	15	2	20	4.5 - 5.5	55	90	-40°C to +85°C	10.54	9.03	7.53	6.02
811-PA7540JN15	PA7540JN-15	PLCC-N-28	15	2	20	4.75 - 5.25	55	90	0°C to +70°C	8.75	7.50	6.25	5.00
811-PA7540JNI-15L	PA7540JNI-15L	PLCC-N-28	15	2	20	4.5 - 5.5	55	90	-40°C to +85°C	10.54	9.03	7.53	6.02
811-PA7540S15	PA7540S-15	SOIC-24	15	2	20	4.75 - 5.25	55	90	0°C to +70°C	8.72	7.47	6.23	4.98
811-PA7540SI15	PA7540SI-15	SOIC-24	15	2	20	4.5 - 5.5	55	90	-40°C to +85°C	10.50	9.00	7.50	6.00
811-PA7572P-20L	PA7572P-20L	PDIP-40	20	14	24	4.75 - 5.25	50	85	0°C to +70°C	9.56	8.19	6.83	5.46
811-PA7572PI20	PA7572PI-20	PDIP-40	20	14	24	4.5 - 5.5	50	85	-40°C to +85°C	11.48	9.84	8.20	6.56
811-PA7572J-20L	PA7572J-20L	PLCC-44	20	14	24	4.75 - 5.25	50	85	0°C to +70°C	9.56	8.19	6.83	5.46
811-PA7572JI20	PA7572JI-20	PLCC-44	20	14	24	4.5 - 5.5	50	85	-40°C to +85°C	11.48	9.84	8.20	6.56
811-PA7572F-20L	PA7572F-20L	TQFP-44	20	14	24	4.75 - 5.25	50	85	0°C to +70°C	10.26	8.79	7.33	5.86
811-PA7572FI-20L	PA7572FI-20L	TQFP-44	20	14	24	4.5 - 5.5	50	85	-40°C to +85°C	12.29	10.53	8.78	7.02

ATMEL Programmable Logic Devices



AT91 ARM THUMB MICROCONTROLLERS

Atmel's AT91 ARM Thumb microcontrollers provide the 32-bit performance every 8-bit microcontroller user is dreaming of while staying within his tight system budget. The extra performance enables the implementation in software of innovative but evolving protocols for communication, compression or control. Building a microcontroller product line around the industry-standard ARM processor core guarantees the customer long-term availability. The widespread acceptance of the processor has resulted in the development of an extensive range of qualified software IP products reducing the time-to-market for new applications. AT91 microcontrollers are targeted at low-power, real-time control applications. They have already been successfully designed into industrial automation systems, MP-3/WMA players, data acquisition products, pagers, point-of-sales terminals, medical equipment, GPS and networking systems.

MOUSER STOCK NO.	Atmel Part No.	Package Type	Memory			I/O Pins	A/D Inputs 10-Bit	Timers	Interrupts	Additional Features								Price Each	
			Flash	EEPROM	SRAM					WDT	Ana. Comp	HW Multi	SPI	RTC	UART	PWM	ISP	1	25
Surface Mount																			
556-AT91M4080033AI	AT91M40800-33AI	TQFP-100	-----	---	8K	81	---	3-Ch 16-Bit	---	X	---	X	---	---	---	X	---	15.08	12.29
556-AT91F4081633CI	AT91F40816-33CI	BGA-120	2M	---	8K	85	---	3-Ch 16-Bit	---	X	---	X	---	---	---	X	---	42.99	32.92

ELECTRICALLY ERASABLE PROGRAMMABLE LOGIC DEVICES (EEPLDS)

Atmel's EEPLD products consist of industry standard 16V8, 20V8 and 22V10s in a variety of voltage and power-saving options. Atmel offers low-voltage, zero-power and quarter power versions as well as our proprietary "L" automatic power down low-power devices. All popular packages are supported in addition to the Atmel- only, TSSOP package -- the smallest package offered for any EEPLD device. All versions are EE- based for high-reliability and easy reprogramming and are supported by all popular third party programmers.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package Type	Supply Voltage	tPD	Registers	Macrocells	Usable Gates	Power Options	Price Each	
									1	25
Surface Mount										
556-ATF16V8B10JC	ATF16V8B-10JC	PLCC-20	5.0	10	8	8	150	Standard	2.79	1.98
556-ATF16V8BQL15JC	ATF16V8BQL-15JC	PLCC-20	5.0	15	8	8	150	Quarter & Low	1.58	1.38
556-ATF16V8BQL15SC	ATF16V8BQL-15SC	SO-20	5.0	15	8	8	150	Quarter & Low	1.58	1.22
556-ATF16LV8C10JC	ATF16LV8C-10JC	PLCC-20	3.3	10	8	8	150	Standard	3.49	2.68
556-ATF22V10C10JC	ATF22V10C-10JC	PLCC-28	5.0	10	10	10	350	Standard	2.25	1.95
556-ATF22V10CZ15JC	ATF22V10CZ-15JC	PLCC-28	5.0	15	10	10	350	Zero	5.15	4.48
556-ATF22LV10C10SC	ATF22LV10C-10SC	SO-24	3.3	10	10	10	350	Standard	3.84	3.83
556-ATF22V10CQ15JC	ATF22V10CQ-15JC	PLCC-28	5.0	15	10	10	350	Quarter	3.24	3.23
Thru-Hole										
556-ATF16LV8C10PC	ATF16LV8C-10PC	DIP-20	3.3	10	8	8	150	Standard	3.49	2.90
556-ATF16V8CZ15PC	ATF16V8CZ-15PC	DIP-20	5.0	15	8	8	150	Zero	3.54	3.06
556-ATF20V8B10PC	ATF20V8B-10PC	DIP-24	5.0	10	8	8	200	Standard	2.22	2.01
556-ATF22V10C10PC	ATF22V10C-10PC	DIP-24	5.0	10	10	10	350	Standard	2.25	1.95

COMPLEX PROGRAMMABLE LOGIC DEVICES (CPLDS)

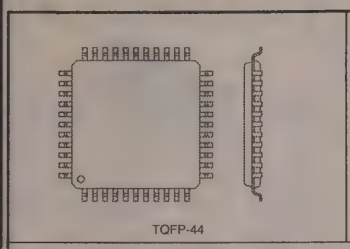
The ATF15xx CPLD family offers pin-compatible supersets of the popular Altera 7000 and 3000 series devices ranging from 32 to 128 macrocells with propagation delays from 7.5 to 15 ns for 5-volt standard power versions and 15 ns for 3.3v versions. All products are available in low voltage versions and Atmel's proprietary low-power ("L") versions that use Input Transition Detection (ITD) to power down the device automatically when nothing is switching. All devices also support JTAG in-system programming (ISP). The Logic DoublingTM features of the ATF15xx family make these products ideal for new designs. The ATF15xx family offers the most powerful switch matrix and routing resources of any CPLD while also supporting multiple independent feedbacks, individual output enable, global clear and D/T/latch configurable flip-flops. More global clock pins, a programmable pin-keeper and the ability to realize two latches per macrocell are further examples of the enhanced features available from this CPLD product family. The ATF750C has twice the logic of a standard 22V10 in a pin-out compatible 24 or 28-pin package. The ATF750C is ideal for those 22V10 designs that need a bit more logic than is offered in a 22V10 device -- but need to maintain the 22V10 pin-out. The ATV2500B is a very high-density (2500 usable gates) 44-pin CPLD ideally configured for the most difficult 44-pin designs.

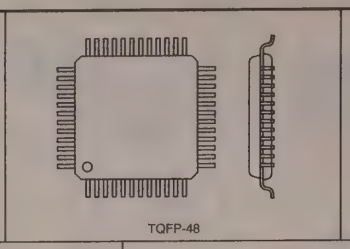
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package Type	Supply Voltage	tPD	Registers	Macrocells	Usable Gates	Power Options	Price Each	
									1	25
Surface Mount										
556-ATF1502AS10JC44	ATF1502AS-10JC44	PLCC-44	5.0	10	32	32	750	Standard	2.79	2.59
556-ATF1504AS15AC100	ATF1504AS-15AC100	TQFP-100	5.0	15	64	64	1500	Standard	5.53	5.52
556-ATF1504ASV15AC10	ATF1504ASV-15AC100	TQFP-100	3.3	15	64	64	1500	Standard	5.53	5.52
556-ATF1508ASL20JC84	ATF1508ASL-20JC84	PLCC-84	5.0	20	128	128	3000	Low	9.56	9.09
556-ATF750C15JC	ATF750C-15JC	PLCC-28	5.0	15	20	10	500	Standard	4.23	3.24
556-ATF750CL15JC	ATF750CL-15JC	PLCC-28	5.0	15	20	10	500	Low	4.23	3.24
Thru-Hole										
556-ATF750C15PC	ATF750C-15PC	DIP-24	5.0	15	20	10	500	Standard	4.23	3.64
556-ATF750CL15PC	ATF750CL-15PC	DIP-24	5.0	15	20	10	500	Low	4.23	3.84

LATTICE Programmable Logic Devices

Lattice Semiconductor Corporation


TQFP-44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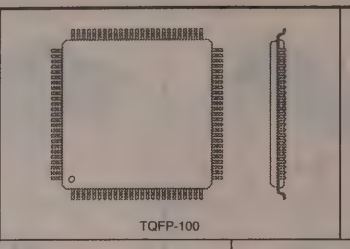
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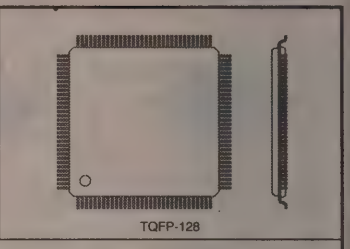
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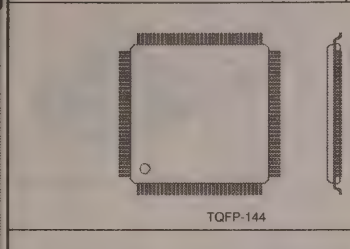
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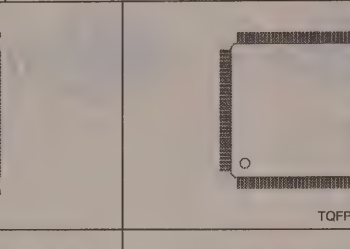
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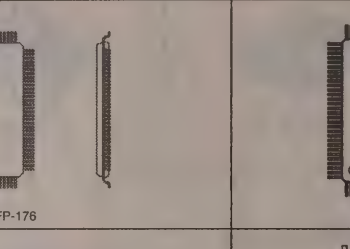
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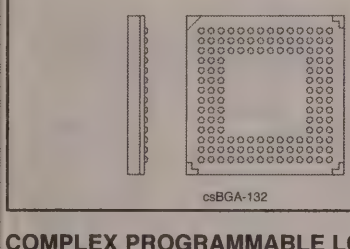
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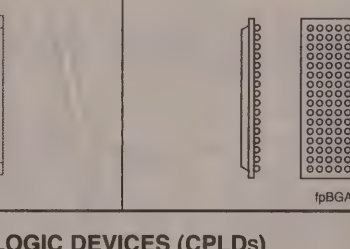
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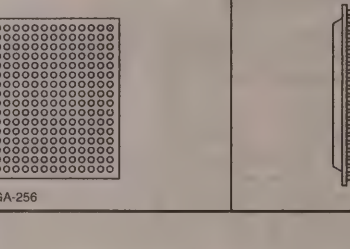

fpBGA-484

COMPLEX PROGRAMMABLE LOGIC DEVICES (CPLDs)

For quantities of 1000 and up, call for quote.

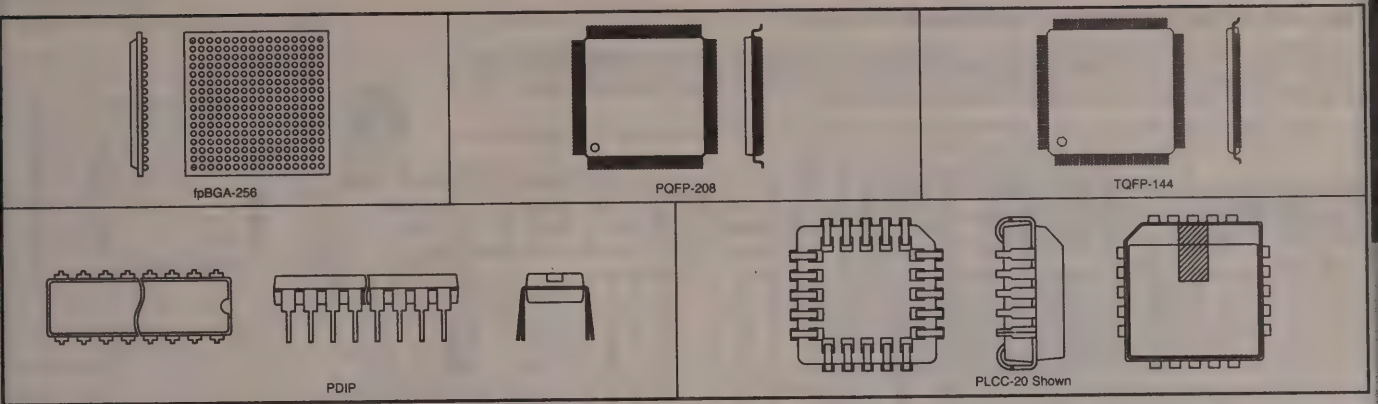
MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Tpd (ns)	I/O	Macro Cells	Price Each			
							1	25	100	500
842-LC4032ZC5T48	LC4032ZC-5T48C	TQFP-48	1.8	5	32	32	2.63	2.10	1.73	1.63
842-LC4032ZC75T48	LC4032ZC-75T48C	TQFP-48	1.8	7.5	32	32	2.50	2.00	1.65	1.55
842-LC4064ZC75T100	LC4064ZC-75T100C	TQFP-100	1.8	7.5	64	64	6.00	4.80	3.96	3.72
842-LC4064ZC75T48	LC4064ZC-75T48C	TQFP-48	1.8	7.5	32	64	4.88	3.90	3.22	3.02
842-LC4128ZC75M132	LC4128ZC-75M132C	csBGA-132	1.8	7.5	96	128	14.13	11.30	9.32	8.76
842-LC4128ZC75T100	LC4128ZC-75T100C	TQFP-100	1.8	7.5	64	128	12.38	9.90	8.17	7.67
842-LC4256ZC75T176	LC4256ZC-75T176C	TQFP-176	1.8	7.5	128	256	26.38	21.10	17.41	16.35
842-LC4256ZC75T100	LC4256ZC-75T100C	TQFP-100	1.8	7.5	64	256	23.88	19.10	15.76	14.80
842-LC4032V25T48	LC4032V-25T48C	TQFP-44	3.3	2.5	32	32	6.63	5.30	4.37	4.11
842-LC4032V5T48	LC4032V-5T48C	TQFP-48	3.3	5	32	32	4.88	3.90	3.22	3.02
842-LC4032V5T44	LC4032V-5T44C	TQFP-44	3.3	5	30	32	4.38	3.50	2.89	2.71
842-LC4032V75T48	LC4032V-75T48C	TQFP-48	3.3	7.5	32	32	3.13	2.50	2.06	1.94
842-LC4032V75T44	LC4032V-75T44C	TQFP-44	3.3	7.5	30	32	2.50	2.00	1.65	1.55
842-LC4064V5T100	LC4064V-5T100C	TQFP-100	3.3	5	64	64	11.63	9.30	7.67	7.21
842-LC4064V5T48	LC4064V-5T48C	TQFP-48	3.3	5	32	64	10.63	8.50	7.01	6.59
842-LC4064V5T44	LC4064V-5T44C	TQFP-44	3.3	5	30	64	10.13	8.10	6.68	6.28
842-LC4064V75T100	LC4064V-75T100C	TQFP-100	3.3	7.5	64	64	6.13	4.90	4.04	3.80
842-LC4064V75T48	LC4064V-75T48C	TQFP-48	3.3	7.5	32	64	5.63	4.50	3.71	3.49
842-LC4064V75T44	LC4064V-75T44C	TQFP-44	3.3	7.5	30	64	5.13	4.10	3.38	3.18
842-LC4128V27T100	LC4128V-27T100C	TQFP-100	3.3	2.7	64	128	41.63	33.30	27.47	25.81
842-LC4128V5T100	LC4128V-5T100C	TQFP-100	3.3	5	64	128	29.75	23.80	19.64	18.45
842-LC4128V75T144	LC4128V-75T144C	TQFP-144	3.3	7.5	96	128	18.25	14.60	12.05	11.32
842-LC4128V75T128	LC4128V-75T128C	TQFP-128	3.3	7.5	92	128	18.13	14.50	11.96	11.24
842-LC4128V75T100	LC4128V-75T100C	TQFP-100	3.3	7.5	64	128	17.13	13.70	11.30	10.62
842-LC4256V75F256A	LC4256V-75F256AC	fpBGA-256	3.3	7.5	128	256	39.38	31.50	25.99	24.41
842-LC4256V75F256B	LC4256V-75F256BC	fpBGA-256	3.3	7.5	160	256	43.63	34.90	28.79	27.05
842-LC4256V75T176	LC4256V-75T176C	TQFP-176	3.3	7.5	128	256	35.63	28.50	23.51	22.09
842-LC4256V75T144	LC4256V-75T144C	TQFP-144	3.3	7.5	96	256	35.13	28.10	23.18	21.78
842-LC4256V75T100	LC4256V-75T100C	TQFP-100	3.3	7.5	64	256	34.00	27.20	22.44	21.08
842-LC4384V75F256	LC4384V-75F256C	fpBGA-256	3.3	7.5	192	384	52.38	49.47	43.65	40.74
842-LC4384V75T176	LC4384V-75T176C	TQFP-176	3.3	7.5	128	384	49.59	46.84	41.33	38.57
842-LC4512V75F256	LC4512V-75F256C	fpBGA-256	3.3	7.5	208	512	76.50	72.25	63.75	59.50
842-LC4512V75T176	LC4512V-75T176C	TQFP-176	3.3	7.5	128	512	73.44	69.36	61.20	57.12
842-LC5256MV75F256	LC5256MV-75F256C	fpBGA-256	3.3	7.5	141	256	40.77	38.51	33.98	31.71
842-LC5512MV45F256	LC5512MV-45F256C	fpBGA-256	3.3	4.5	193	512	154.35	145.78	128.63	120.05
842-LC5512MV75F256	LC5512MV-75F256C	fpBGA-256	3.3	7.5	193	512	110.25	104.13	91.88	85.75
842-LC5512MV75Q208	LC5512MV-75Q208C	PQFP-208	3.3	7.5	149	512	106.65	100.73	88.88	82.95
842-LC5768MV75F484	LC5768MV-75F484C	fpBGA-484	3.3	7.5	317	768	179.10	169.15	149.25	139.30
842-LC5768MV75F256	LC5768MV-75F256C	fpBGA-256	3.3	7.5	193	768	165.15	155.98	137.63	128.45
842-LC51024MV75F484	LC51024MV-75F484C	fpBGA-484	3.3	7.5	317	1024	238.50	225.25	198.75	185.50

COMPLEX PROGRAMMABLE LOGIC DEVICES (CPLDs) EVALUATION BOARDS

MOUSER STOCK NO.	Lattice Part No.	Description	Price Each
842-LC4032ZCEV	LC4032ZC-EV	Evaluation Board for ispMACH 4032ZC	395.00
842-LC4064ZCEV	LC4064ZC-EV	Evaluation Board for ispMACH 4064ZC	495.00
842-LC5512MPACEV	LC5512M-PAC-EV	Evaluation Board for ispXPLD 5512 and PAC Power Manager 1208	595.00

LATTICE Programmable Logic Devices

Lattice Semiconductor Corporation



FIELD PROGRAMMABLE GATE ARRAYS (FPGAs)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Tpd (ns)	I/O	Price Each			
						1	25	100	500
842-LFEC6E3F256	LFEC6E-3F256C	fpBGA-256	1.2	3	195	27.63	21.88	20.40	18.44
842-LFEC6E3Q208	LFEC6E-3Q208C	PQFP-208	1.2	3	147	26.63	21.09	19.67	17.77
842-LFEC6E3T144	LFEC6E-3T144C	TQFP-144	1.2	3	97	25.30	20.04	18.69	16.89

FIELD PROGRAMMABLE GATE ARRAY (FPGA) EVALUATION BOARDS

MOUSER STOCK NO.	Lattice Part No.	Description	Price Each
842-LFEC6ELEV	LFEC6E-L-EV	Standard Evaluation Board for LatticeEC6	149.00
842-LFEC20ELEV	LFEC20E-L-EV	Standard Evaluation Board for LatticeEC20	175.00
842-LFECP20ELEV	LFECP20E-L-EV	Standard Evaluation Board for LatticeECP20	175.00
842-LFEC20EHEV	LFEC20E-H-EV	Advanced Evaluation Board for LatticeEC20	1295.00
842-LFECP20EHEV	LFECP20E-H-EV	Advanced Evaluation Board for LatticeECP20	1295.00

SIMPLE PROGRAMMABLE LOGIC DEVICES (SPLDs)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Tpd (ns)	I/O	Macro Cells	Price Each			
							1	25	100	500
842-GAL16V8D7LP	GAL16V8D-7LP	PDIP-20	5	7.5	16	8	3.97	3.36	3.05	2.44
842-GAL16V8D7LJ	GAL16V8D-7LJ	PLCC-20	5	7.5	16	8	3.97	3.36	3.05	2.44
842-GAL16V8D10LP	GAL16V8D-10LP	PDIP-20	5	10	16	8	3.84	3.25	2.95	2.36
842-GAL16V8D10LJ	GAL16V8D-10LJ	PLCC-20	5	10	16	8	3.84	3.25	2.95	2.36
842-GAL16V8D15LP	GAL16V8D-15LP	PDIP-20	5	15	16	8	2.08	1.76	1.60	1.28
842-GAL16V8D15LJ	GAL16V8D-15LJ	PLCC-20	5	15	16	8	2.08	1.76	1.60	1.28
842-GAL16V8D15QP	GAL16V8D-15QP	PDIP-20	5	15	16	8	2.50	2.12	1.93	1.54
842-GAL16V8D15QJ	GAL16V8D-15QJ	PLCC-20	5	15	16	8	2.50	2.12	1.93	1.54
842-GAL16V8D25LP	GAL16V8D-25LP	PDIP-20	5	25	16	8	1.76	1.49	1.35	1.08
842-GAL16V8D25LJ	GAL16V8D-25LJ	PLCC-20	5	25	16	8	1.76	1.49	1.35	1.08
842-GAL16V8D25QP	GAL16V8D-25QP	PDIP-20	5	25	16	8	2.08	1.76	1.60	1.28
842-GAL16V8D25QJ	GAL16V8D-25QJ	PLCC-20	5	25	16	8	2.08	1.76	1.60	1.28
842-GAL20V8C10LJ	GAL20V8C-10LJ	PLCC-28	5	10	20	8	6.31	5.34	4.85	3.88
842-GAL20V8B15LP	GAL20V8B-15LP	PDIP-24	5	15	20	8	2.80	2.37	2.15	1.72
842-GAL20V8B15LJ	GAL20V8B-15LJ	PLCC-28	5	15	20	8	2.80	2.37	2.15	1.72
842-GAL20V8B15QP	GAL20V8B-15QP	PDIP-24	5	15	20	8	3.25	2.75	2.50	2.00
842-GAL20V8B15QJ	GAL20V8B-15QJ	PLCC-28	5	15	20	8	3.25	2.75	2.50	2.00
842-GAL20V8B25LP	GAL20V8B-25LP	PDIP-24	5	25	20	8	2.34	1.98	1.80	1.44
842-GAL20V8B25LJ	GAL20V8B-25LJ	PLCC-28	5	25	20	8	2.34	1.98	1.80	1.44
842-GAL20V8B25QP	GAL20V8B-25QP	PDIP-24	5	25	20	8	2.80	2.37	2.15	1.72
842-GAL20V8B25QJ	GAL20V8B-25QJ	PLCC-28	5	25	20	8	2.80	2.37	2.15	1.72
842-GAL22V10D5LJ	GAL22V10D-5LJ	PLCC-28	5	5	22	10	23.47	19.86	18.05	14.44
842-GAL22V10D7LP	GAL22V10D-7LP	PDIP-24	5	7.5	22	10	16.15	13.67	12.43	9.94
842-GAL22V10D7LJ	GAL22V10D-7LJ	PLCC-28	5	7.5	22	10	16.15	13.67	12.43	9.94
842-GAL22V10D10LP	GAL22V10D-10LP	PDIP-24	5	10	22	10	8.81	7.45	6.78	5.42
842-GAL22V10D10LJ	GAL22V10D-10LJ	PLCC-28	5	10	22	10	8.81	7.45	6.78	5.42
842-GAL22V10D15LP	GAL22V10D-15LP	PDIP-24	5	15	22	10	7.77	6.57	5.98	4.78
842-GAL22V10D15LJ	GAL22V10D-15LJ	PLCC-28	5	15	22	10	7.77	6.57	5.98	4.78
842-GAL22V10D15QP	GAL22V10D-15QP	PDIP-24	5	15	22	10	9.56	8.09	7.35	5.88
842-GAL22V10D15QJ	GAL22V10D-15QJ	PLCC-28	5	15	22	10	9.56	8.09	7.35	5.88
842-GAL22V10D25LP	GAL22V10D-25LP	PDIP-24	5	25	22	10	4.10	3.47	3.15	2.52
842-GAL22V10D25LJ	GAL22V10D-25LJ	PLCC-28	5	25	22	10	4.10	3.47	3.15	2.52
842-GAL22V10D25QP	GAL22V10D-25QP	PDIP-24	5	25	22	10	6.60	5.58	5.08	4.06
842-GAL22V10D25QJ	GAL22V10D-25QJ	PLCC-28	5	25	22	10	6.60	5.58	5.08	4.06
842-ISPGAL22V10C7LJ	ISPGAL22V10C-7LJ	PLCC-28	5	7.5	22	10	16.15	13.67	12.43	9.94
842-ISPGAL22V10C10LJ	ISPGAL22V10C-10LJ	PLCC-28	5	10	22	10	8.81	7.45	6.78	5.42
842-ISPGAL22V10C15LJ	ISPGAL22V10C-15LJ	PLCC-28	5	15	22	10	7.77	6.57	5.98	4.78

PROGRAMMABLE LOGIC SOFTWARE

MOUSER STOCK NO.	Lattice Part No.	Description	Price Each
842-LS-HDL-BASE-PC-N	LS-HDL-BASE-PC-N	ispLEVER, Base Version	995.00
842-LS-ADV-LX-F	LS-ADV-LX-F	ispLEVER, Advanced Version for Linux	1995.00
842-LS-ADV-WS-F	LS-ADV-WS-F	ispLEVER, Advanced Version for Unix	1995.00
842-LS-EC6-BASE-PC-N	LS-EC6-BASE-PC-N	ispLEVER, Base Version with EC6 Development Kit	1095.00

LATTICE FPGAs

Lattice Semiconductor Corporation

FIELD PROGRAMMABLE GATE ARRAYS (FPGAs)

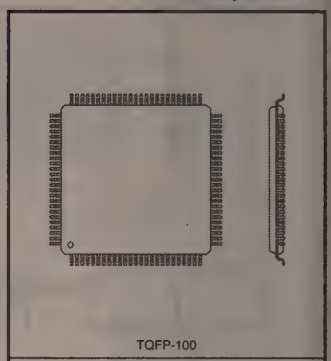
Lattice brings you a new generation of optimized low-cost FPGAs. For maximum performance and value, the LatticeECP™ (EConomy Plus) FPGA concept combines an efficient FPGA fabric with high-speed dedicated functions. Lattice's first family to implement this approach is the LatticeECP-DSP (EConomy Plus DSP) family, providing dedicated high-performance DSP blocks on-chip. The LatticeEC™ (EConomy) family supports all the general-purpose features of LatticeECP devices without dedicated function blocks to achieve even lower cost solutions.

The LatticeECP and EC families both utilize a silicon-efficient FPGA fabric in which I/O capability, distributed memory, embedded memory, logic and routing have been optimized to provide the best features at value-conscious prices.

LEAD-FREE

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	I/O Combinations	DSP Blocks	Distributed RAM (Kbits)	# of PLL	Speed Grade	Price Each 1	Price Each 25
1.5K LUTs										
842-LFEC1E-5TN144C	LFEC1E-5TN144C	TQFP-144	1.2	97	N	6	2	-5 Speed	12.60	11.34
842-LFEC1E-5TN100C	LFEC1E-5TN100C	TQFP-100	1.2	67	N	6	2	-5 Speed	11.30	10.17
842-LFEC1E-4TN144C	LFEC1E-4TN144C	TQFP-144	1.2	97	N	6	2	-4 Speed	11.10	9.99
842-LFEC1E-4TN100C	LFEC1E-4TN100C	TQFP-100	1.2	67	N	6	2	-4 Speed	9.90	8.91
842-LFEC1E-3TN144C	LFEC1E-3TN144C	TQFP-144	1.2	97	N	6	2	-3 Speed	9.90	8.91
842-LFEC1E-3TN100C	LFEC1E-3TN100C	TQFP-100	1.2	67	N	6	2	-3 Speed	8.60	7.74
3.1K LUTs										
842-LFEC3E-5FN256C	LFEC3E-5FN256C	fpBGA-256	1.2	160	N	12	2	-5 Speed	20.10	18.09
842-LFEC3E-5TN144C	LFEC3E-5TN144C	TQFP-144	1.2	97	N	12	2	-5 Speed	17.90	16.11
842-LFEC3E-5TN100C	LFEC3E-5TN100C	TQFP-100	1.2	67	N	12	2	-5 Speed	16.70	15.03
842-LFEC3E-4FN256C	LFEC3E-4FN256C	fpBGA-256	1.2	160	N	12	2	-4 Speed	17.90	16.11
842-LFEC3E-4TN144C	LFEC3E-4TN144C	TQFP-144	1.2	97	N	12	2	-4 Speed	15.70	14.13
842-LFEC3E-4TN100C	LFEC3E-4TN100C	TQFP-100	1.2	67	N	12	2	-4 Speed	14.50	13.05
842-LFEC3E-3FN256C	LFEC3E-3FN256C	fpBGA-256	1.2	160	N	12	2	-3 Speed	16.00	14.40
842-LFEC3E-3TN144C	LFEC3E-3TN144C	TQFP-144	1.2	97	N	12	2	-3 Speed	13.90	12.51
842-LFEC3E-3TN100C	LFEC3E-3TN100C	TQFP-100	1.2	67	N	12	2	-3 Speed	12.60	11.34
6.1K LUTs										
842-LFEC6E-5FN484C	LFEC6E-5FN484C	fpBGA-484	1.2	224	N	25	2	-5 Speed	33.70	30.33
842-LFEC6E-5FN256C	LFEC6E-5FN256C	fpBGA-256	1.2	195	N	25	2	-5 Speed	30.80	27.72
842-LFEC6E-5TN144C	LFEC6E-5TN144C	TQFP-144	1.2	97	N	25	2	-5 Speed	28.60	25.74
842-LFEC6E-4FN484C	LFEC6E-4FN484C	fpBGA-484	1.2	224	N	25	2	-4 Speed	30.00	27.00
842-LFEC6E-4FN256C	LFEC6E-4FN256C	fpBGA-256	1.2	195	N	25	2	-4 Speed	27.00	24.30
842-LFEC6E-4TN144C	LFEC6E-4TN144C	TQFP-144	1.2	97	N	25	2	-4 Speed	24.90	22.41
842-LFEC6E-3FN484C	LFEC6E-3FN484C	fpBGA-484	1.2	224	N	25	2	-3 Speed	26.80	24.12
842-LFEC6E-3FN256C	LFEC6E-3FN256C	fpBGA-256	1.2	195	N	25	2	-3 Speed	23.80	21.42
842-LFEC6E-3TN144C	LFEC6E-3TN144C	TQFP-144	1.2	97	N	25	2	-3 Speed	21.70	19.53
842-LFECP6E5FN484C	LFECP6E-5FN484C	fpBGA-484	1.2	224	Y	25	2	-5 Speed	35.70	32.13
842-LFECP6E5FN256C	LFECP6E-5FN256C	fpBGA-256	1.2	195	Y	25	2	-5 Speed	32.70	29.43
842-LFECP6E5TN144C	LFECP6E-5TN144C	TQFP-144	1.2	97	Y	25	2	-5 Speed	30.60	27.54
842-LFECP6E4FN484C	LFECP6E-4FN484C	fpBGA-484	1.2	224	Y	25	2	-4 Speed	31.70	28.53
842-LFECP6E4FN256C	LFECP6E-4FN256C	fpBGA-256	1.2	195	Y	25	2	-4 Speed	28.70	25.83
842-LFECP6E4TN144C	LFECP6E-4TN144C	TQFP-144	1.2	97	Y	25	2	-4 Speed	26.60	23.94
842-LFECP6E3FN484C	LFECP6E-3FN484C	fpBGA-484	1.2	224	Y	25	2	-3 Speed	28.20	25.38
842-LFECP6E3FN256C	LFECP6E-3FN256C	fpBGA-256	1.2	195	Y	25	2	-3 Speed	25.20	22.68
842-LFECP6E3TN144C	LFECP6E-3TN144C	TQFP-144	1.2	97	Y	25	2	-3 Speed	23.10	20.79
10.2K LUTs										
842-LFEC10E5FN484C	LFEC10E-5FN484C	fpBGA-484	1.2	288	N	41	4	-5 Speed	49.60	44.64
842-LFEC10E5FN256C	LFEC10E-5FN256C	fpBGA-256	1.2	195	N	41	4	-5 Speed	47.00	42.30
842-LFEC10E4FN484C	LFEC10E-4FN484C	fpBGA-484	1.2	288	N	41	4	-4 Speed	43.50	39.15
842-LFEC10E4FN256C	LFEC10E-4FN256C	fpBGA-256	1.2	195	N	41	4	-4 Speed	41.00	36.90
842-LFEC10E3FN484C	LFEC10E-3FN484C	fpBGA-484	1.2	288	N	41	4	-3 Speed	38.30	34.47
842-LFEC10E3FN256C	LFEC10E-3FN256C	fpBGA-256	1.2	195	N	41	4	-3 Speed	35.70	32.13
842-LFECP10E5FN484	LFECP10E-5FN484C	fpBGA-484	1.2	288	Y	41	4	-5 Speed	52.00	46.80
842-LFECP10E5FN256	LFECP10E-5FN256C	fpBGA-256	1.2	195	Y	41	4	-5 Speed	49.50	44.55
842-LFECP10E4FN484	LFECP10E-4FN484C	fpBGA-484	1.2	288	Y	41	4	-4 Speed	45.60	41.04
842-LFECP10E4FN256	LFECP10E-4FN256C	fpBGA-256	1.2	195	Y	41	4	-4 Speed	43.10	38.79
842-LFECP10E3FN484	LFECP10E-3FN484C	fpBGA-484	1.2	288	Y	41	4	-3 Speed	40.10	36.09
842-LFECP10E3FN256	LFECP10E-3FN256C	fpBGA-256	1.2	195	Y	41	4	-3 Speed	37.60	33.84
15.4K LUTs										
842-LFEC15E5FN484C	LFEC15E-5FN484C	fpBGA-484	1.2	352	N	61	4	-5 Speed	66.60	59.94
842-LFEC15E5FN256C	LFEC15E-5FN256C	fpBGA-256	1.2	195	N	61	4	-5 Speed	64.10	57.69
842-LFEC15E4FN484C	LFEC15E-4FN484C	fpBGA-484	1.2	352	N	61	4	-4 Speed	58.30	52.47
842-LFEC15E4FN256C	LFEC15E-4FN256C	fpBGA-256	1.2	195	N	61	4	-4 Speed	55.80	50.22
842-LFEC15E3FN484C	LFEC15E-3FN484C	fpBGA-484	1.2	352	N	61	4	-3 Speed	51.00	45.90
842-LFEC15E3FN256C	LFEC15E-3FN256C	fpBGA-256	1.2	195	N	61	4	-3 Speed	48.50	43.65
842-LFECP15E5FN484	LFECP15E-5FN484C	fpBGA-484	1.2	352	Y	61	4	-5 Speed	70.20	63.18
842-LFECP15E5FN256	LFECP15E-5FN256C	fpBGA-256	1.2	195	Y	61	4	-5 Speed	67.70	60.93
842-LFECP15E4FN484	LFECP15E-4FN484C	fpBGA-484	1.2	352	Y	61	4	-4 Speed	61.40	55.26
842-LFECP15E4FN256	LFECP15E-4FN256C	fpBGA-256	1.2	195	Y	61	4	-4 Speed	58.80	52.92
842-LFECP15E3FN484	LFECP15E-3FN484C	fpBGA-484	1.2	352	Y	61	4	-3 Speed	53.70	48.33
842-LFECP15E3FN256	LFECP15E-3FN256C	fpBGA-256	1.2	195	Y	61	4	-3 Speed	51.20	46.08
19.7K LUTs										
842-LFEC20E3FN484C	LFEC20E-3FN484C	fpBGA-484	1.2	360	N	79	4	-3 Speed	63.90	57.51
842-LFEC20E3FN672C	LFEC20E-3FN672C	fpBGA-672	1.2	400	N	79	4	-3 Speed	69.00	62.10
842-LFEC20E4FN484C	LFEC20E-4FN484C	fpBGA-484	1.2	360	N	79	4	-4 Speed	73.50	66.15
842-LFEC20E4FN672C	LFEC20E-4FN672C	fpBGA-672	1.2	400	N	79	4	-4 Speed	78.60	70.74
842-LFEC20E5FN484C	LFEC20E-5FN484C	fpBGA-484	1.2	360	N	79	4	-5 Speed	84.60	76.14
842-LFEC20E5FN672C	LFEC20E-5FN672C	fpBGA-672	1.2	400	N	79	4	-5 Speed	89.70	80.73
842-LFECP20E3FN484	LFECP20E-3FN484C	fpBGA-484	1.2	360	Y	79	4	-3 Speed	67.80	61.02
842-LFECP20E3FN672	LFECP20E-3FN672C	fpBGA-672	1.2	400	Y	79	4	-3 Speed	72.90	65.61
842-LFECP20E4FN484	LFECP20E-4FN484C	fpBGA-484	1.2	360	Y	79	4	-4 Speed	78.00	70.20
842-LFECP20E4FN672	LFECP20E-4FN672C	fpBGA-672	1.2	400	Y	79	4	-4 Speed	83.10	74.79
842-LFECP20E5FN484	LFECP20E-5FN484C	fpBGA-484	1.2	360	Y	79	4	-5 Speed	89.80	80.82
842-LFECP20E5FN672	LFECP20E-5FN672C	fpBGA-672	1.2	400	Y	79	4	-5 Speed	94.90	85.41
32.8K LUTs										
842-LFEC33E5FN672C	LFEC33E-5FN672C	fpBGA-672	1.2	496	N	131	4	-5 Speed	133.30	119.97
842-LFEC33E5FN484C	LFEC33E-5FN484C	fpBGA-484	1.2	360	N	131	4	-5 Speed	128.20	115.38
842-LFEC33E4FN672C	LFEC33E-4FN672C	fpBGA-672	1.2	496	N	131	4	-4 Speed	116.50	104.85
842-LFEC33E4FN484C	LFEC33E-4FN484C	fpBGA-484	1.2	360	N	131	4	-4 Speed	111.40	100.26
842-LFEC33E3FN672C	LFEC33E-3FN672C	fpBGA-672	1.2	496	N	131	4	-3 Speed	102.00	91.80
842-LFEC33E3FN484C	LFEC33E-3FN484C	fpBGA-484	1.2	360	N	131	4	-3 Speed	96.90	87.21
842-LFECP33E5FN672	LFECP33E-5FN672C	fpBGA-672	1.2	496	Y	131	4	-5 Speed	139.80	125.82
842-LFECP33E5FN484	LFECP33E-5FN484C	fpBGA-484	1.2	360	Y	131	4	-5 Speed	134.70	121.23
842-LFECP33E4FN672	LFECP33E-4FN672C	fpBGA-672	1.2	496	Y	131	4	-4 Speed	122.20	109.98
842-LFECP33E4FN484	LFECP33E-4FN484C	fpBGA-484	1.2	360	Y	131	4	-4 Speed	117.10	105.39
842-LFECP33E3FN672	LFECP33E-3FN672C	fpBGA-672	1.2	496	Y	131	4	-3 Speed	106.90	96.21
842-LFECP33E3FN484	LFECP33E-3FN484C	fpBGA-484	1.2	360	Y	131	4	-3 Speed	101.80	91.62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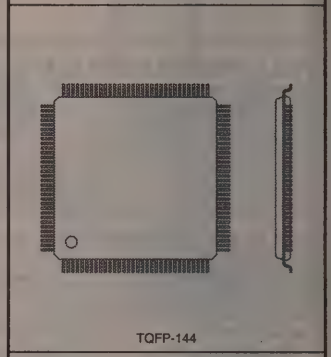
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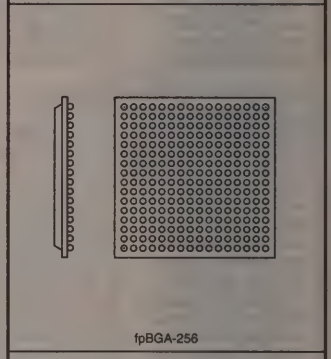
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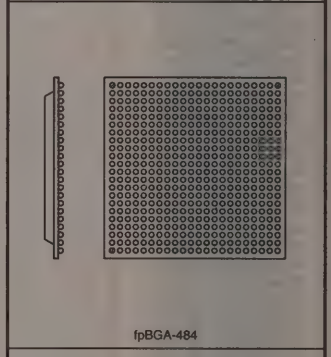
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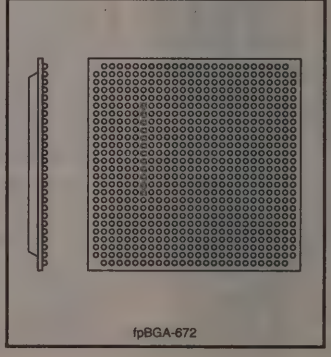

fpBGA-672

MOUSER ELECTRONICS a tti company (800) 346-6873

STMICROELECTRONICS Programmable System Devices

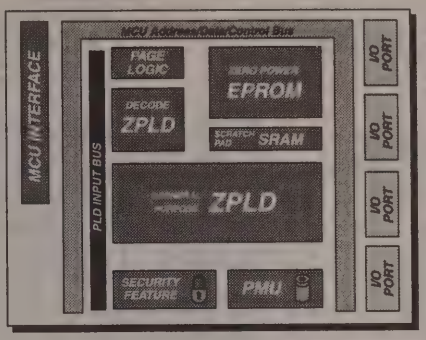
STMicroelectronics

STMICROELECTRONICS ONE TIME PROGRAMMABLE (OTP) PROGRAMMABLE SYSTEM DEVICES (PSD)

The low cost PSD3XX family integrates high-performance and user-configurable blocks of EPROM, programmable logic, and optional SRAM into one part. The PSD3XX products also provide a powerful microcontroller interface that eliminates the need for external "glue logic". The part's integration, small form factor, low power consumption, and ease of use make it the ideal part for interfacing to virtually any microcontroller.

Key Features:

Single-chip programmable peripheral for microcontroller-based applications
256K to 1M of UV EPROM with the following features:
Configurable as 32, 64 or 128K x 8; or as 16, 32 or 64K x 16
Divided into eight equally-sized mappable blocks for optimized address mapping
As fast as 70ns access time, which includes address decoding
Optional 16Kbit SRAM is configurable as 2K x 8 or 1K x 16
19 I/O pins that can be configured for microcontroller I/O port expansion, programmable address decoder (PAD) I/O, latched address output, open drain or CMOS output
Two Programmable Arrays (PAD A & PAD B) replace your PLD or decoder and have up to 18 inputs and 24 outputs, 40 Product terms (13 for PAD A and 27 for PAD B) and the ability to decode up to 1MB of address without paging
Microcontroller logic that eliminates the need for external "glue logic" that has the following features:
Ability to interface to multiplexed and non-multiplexed busses
Built-in address latches for multiplexed address/data bus
ALE and Reset polarity are programmable (Reset polarity not programmable on V-versions)
Multiple configurations are possible for interface to many different microcontrollers
Optional built-in page logic expands the MCU address space by up to 16 times
Programmable power management with standby current as low as 1uA for low voltage version
Track Mode that allows other microcontrollers or host processors to share access to the local data bus
Built-in security locks the device and PAD decoding configuration
Wide operating voltages
Simple, menu-driven software (PSDsoft) allows configuration and design entry on a PC



PSD with One Time Programmable (OTP) EPROMs (5 Volt) (8-Bit Data Path)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Memory Access Time (ns)	Data Bus Width (bits)	EPROM (bytes)	SRAM (bytes)	PLD Inputs	Product Terms	PLD Outputs	8-bit Page Register	GPIO	Operating Voltage (V)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount																
511-PSD311B-70J	PSD311B-70J	PLCC-44	70	8	32K	2K	12	40	11	Yes	19	4.5 - 5.5	0 to +70	10.70	9.10	8.03
511-PSD311B-70U	PSD311B-70U	TQFP-44	70	8	32K	2K	12	40	11	Yes	19	4.5 - 5.5	0 to +70	12.30	10.46	9.23
511-PSD311B-90JI	PSD311B-90JI	PLCC-44	90	8	32K	2K	12	40	11	Yes	19	4.5 - 5.5	-40 to +85	10.90	9.27	8.18
511-PSD312B-70J	PSD312B-70J	PLCC-44	70	8	64K	2K	16	40	11	Yes	19	4.5 - 5.5	0 to +70	12.48	10.61	9.36
511-PSD312B-70M	PSD312B-70M	PQFP-44	70	8	64K	2K	16	40	11	Yes	19	4.5 - 5.5	0 to +70	13.44	11.42	10.08
511-PSD312B-90JI	PSD312B-90JI	PLCC-44	90	8	64K	2K	16	40	11	Yes	19	4.5 - 5.5	-40 to +85	12.72	10.81	9.54
511-PSD313B-70J	PSD313B-70J	PLCC-44	70	8	128K	2K	16	40	11	Yes	19	4.5 - 5.5	0 to +70	14.38	12.22	10.79
511-PSD313B-90JI	PSD313B-90JI	PLCC-44	90	8	128K	2K	16	40	11	Yes	19	4.5 - 5.5	-40 to +85	14.64	12.44	10.98

PSD with One Time Programmable (OTP) EPROMs (5 Volt) (8/16-Bit Data Path)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Memory Access Time (ns)	Data Bus Width (bits)	EPROM (bytes)	SRAM (bytes)	PLD Inputs	Product Terms	PLD Outputs	8-bit Page Register	GPIO	Operating Voltage (V)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount																
511-PSD301B-70U	PSD301B-70U	TQFP-44	70	8/16	32K	2K	12	40	11	Yes	19	4.5 - 5.5	0 to +70	13.92	11.83	10.44
511-PSD302B-70U	PSD302B-70U	TQFP-44	70	8/16	64K	2K	16	40	11	Yes	19	4.5 - 5.5	0 to +70	15.96	13.57	11.97
511-PSD303B-70M	PSD303B-70M	PQFP-44	70	8/16	128K	2K	16	40	11	Yes	19	4.5 - 5.5	0 to +70	17.48	14.86	13.11

Zero Power PSD with One Time Programmable (OTP) EPROMs (5 Volt)(8-Bit Data Path)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Memory Access Time (ns)	Data Bus Width (bits)	EPROM (bytes)	SRAM (bytes)	PLD Inputs	Product Terms	PLD Outputs	8-bit Page Register	GPIO	Operating Voltage (V)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount																
511-ZPSD311B-70U	ZPSD311B-70U	TQFP-44	70	8	32K	2K	12	40	11	Yes	19	4.5 - 5.5	0 to +70	12.62	10.73	9.47
511-ZPSD312B-70U	ZPSD312B-70U	TQFP-44	70	8	64K	2K	16	40	11	Yes	19	4.5 - 5.5	0 to +70	14.46	12.29	10.85

Zero Power PSD with One Time Programmable (OTP) EPROMs (5 Volt)(8/16-Bit Data Path)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Memory Access Time (ns)	Data Bus Width (bits)	EPROM (bytes)	SRAM (bytes)	PLD Inputs	Product Terms	PLD Outputs	8-bit Page Register	GPIO	Operating Voltage (V)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount																
511-ZPSD301B-70J	ZPSD301B-70J	PLCC-44	70	8/16	32K	2K	16	40	11	Yes	19	4.5 - 5.5	0 to +70	12.68	10.78	9.51
511-ZPSD301B-70U	ZPSD301B-70U	TQFP-44	70	8/16	32K	2K	16	40	11	Yes	19	4.5 - 5.5	0 to +70	14.28	12.14	10.71
511-ZPSD301B-90JI	ZPSD301B-90JI	PLCC-44	90	8/16	32K	2K	16	40	11	Yes	19	4.5 - 5.5	-40 to +85	12.92	10.98	9.69
511-ZPSD301B-90UI	ZPSD301B-90UI	TQFP-44	90	8/16	32K	2K	16	40	11	Yes	19	4.5 - 5.5	-40 to +85	14.52	12.34	10.89
511-ZPSD302B-70U	ZPSD302B-70U	TQFP-44	70	8/16	64K	2K	16	40	11	Yes	19	4.5 - 5.5	0 to +70	16.40	13.94	12.30
511-ZPSD302B-90JI	ZPSD302B-90JI	PLCC-44	90	8/16	64K	2K	16	40	11	Yes	19	4.5 - 5.5	-40 to +85	15.06	12.80	11.30
511-ZPSD303B-90JI	ZPSD303B-90JI	PLCC-44	90	8/16	128K	2K	16	40	11	Yes	19	4.5 - 5.5	-40 to +85	17.34	14.74	13.01

Zero Power PSD with One Time Programmable (OTP) EPROMs (3 Volt)(8-Bit Data Path)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Memory Access Time (ns)	Data Bus Width (bits)	EPROM (bytes)	SRAM (bytes)	PLD Inputs	Product Terms	PLD Outputs	8-bit Page Register	GPIO	Operating Voltage (V)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount																
511-ZPSD211RVB-20J	ZPSD211RVB-20J	PLCC-44	200	8	32K	- - -	13	40	11	No	19	2.7 - 5.5	0 to +70	7.20	6.12	5.40
511-ZPSD311VB-15U	ZPSD311VB-15U	TQFP-44	150	8	32K	2K	12	40	11	Yes	19	2.7 - 5.5	0 to +70	12.42	10.56	9.32
511-ZPSD312VB-20U	ZPSD312VB-20U	TQFP-44	200	8	64K	2K	16	40	11	Yes	19	2.7 - 5.5	0 to +70	15.10	12.84	11.33

Zero Power PSD with One Time Programmable (OTP) EPROMs (3 Volt)(8/16-Bit Data Path)

For quantities of 1000 and up, call for quote.

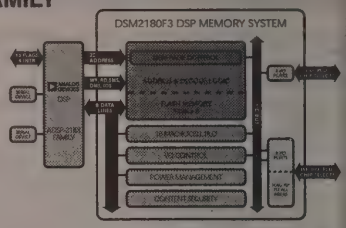
MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Memory Access Time (ns)	Data Bus Width (bits)	EPROM (bytes)	SRAM (bytes)	PLD Inputs	Product Terms	PLD Outputs	8-bit Page Register	GPIO	Operating Voltage (V)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount																
511-ZPSD301VB-20J	ZPSD301VB-20J	PLCC-44	200	8/16	32K	2K	16	40	11	Yes	19	2.7 - 5.5	0 to +70	13.32	11.32	9.99
511-ZPSD302VB-20U	ZPSD302VB-20U	TQFP-44	200	8/16	64K	2K	16	40	11	Yes	19	2.7 - 5.5	0 to +70	17.14	14.57	12.86

STMICROELECTRONICS Programmable System Devices

STMicroelectronics

STMICROELECTRONICS DIGITAL SIGNAL PROCESSOR (DSP) MEMORY FOR ADSP-218X FAMILY

These system memory devices are for use with Digital Signal Processors (DSP) from the popular Analog Devices ADSP-218X Family. DSM means Digital signal processor System Memory. A DSM device brings in-system programmable flash memory, programmable logic, and additional I/O to DSP systems. The result is a simple and flexible two-chip solution for DSP designs. DSM devices provide the flexibility of flash memory and smart JTAG programming techniques for both manufacturing and the field. On-chip integrated memory, decode logic and memory paging logic make it easy to add large amounts of external flash memory to the ADSP-218X family for bootloading upon power-up and/or overlay memory. The DSP accesses this flash memory using either its byte DMA (BDMA) interface or as an external data overlay memory (no DMA setup overhead).



Key Features:

- 128 KByte flash memory
- General purpose PLD with over 3,000 gates of PLD with 16 macro cells
- Up to 16 individually re-configurable I/O pins
- In-System Programming via JTAG
- Programmable Power Management
- Programmable Security Bit

Key Benefits:

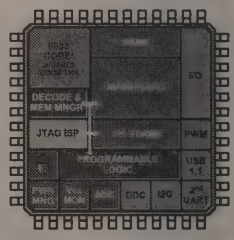
- Glueless interface to ADSP-218x family of DSPs
- Flash memory accessible as Byte DMA (BDMA) or as Data Overlay with no DMA setup required
- Eliminate PLDs and external logic devices
- JTAG ISP allows easy product testing and Just-In-Time manufacturing
- Easy-to-use software development tools downloadable from the web

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr.	Mfr. Part No.	Package	Memory Access Time (ns)	Data Bus Width (bits)	Main Flash (bytes)	2nd Flash (bytes)	SRAM (bytes)	PLD Inputs	Input Microcells	Output Microcells	PLD Outputs	8-bit Page Register	JTAG Programming	GPIO	Operating Voltage (V)	Temperature Range (°C)	Price Each 1-99
Surface Mount																	
511—DSM2180F3-90K6		PLCC-52	90	8	128K	32K	- - -	73	24	16	19	Yes	Yes	16	4.5-5.5	-40 to +85	8.14
511—DSM2180F3-90T6		TQFP-52	90	8	128K	32K	- - -	73	24	16	19	Yes	Yes	16	4.5-5.5	-40 to +85	8.14
511—DSM2180F3V-15K6		PLCC-52	150	8	128K	32K	- - -	73	24	16	19	Yes	Yes	16	3.0-3.6	-40 to +85	8.14
511—DSM2180F3V-15T6		TQFP-52	150	8	128K	32K	- - -	73	24	16	19	Yes	Yes	16	3.0-3.6	-40 to +85	8.14
511—DSM2190F4V-15K6		PLCC-52	150	8	256K	32K	- - -	73	24	16	19	Yes	Yes	16	3.0-3.6	-40 to +85	10.13
511—DSM2190F4V-15T6		TQFP-52	150	8	256K	32K	- - -	73	24	16	19	Yes	Yes	16	3.0-3.6	-40 to +85	10.13
511—DSM2150F5V-12T6		TQFP-80	120	8/16	512K	32K	- - -	82	24	16	24	Yes	Yes	16	3.0-3.6	-40 to +85	9.60

STMICROELECTRONICS MICRO PROGRAMMABLE SYSTEM DEVICES (μPSD)

The μPSD product family features an 8032-microcontroller core surrounded by dual banks of Flash memory, SRAM, programmable logic, I/O, and a wide variety of peripherals. With Flash and SRAM densities up to 288 Kbytes and 8 Kbytes respectively, the μPSD3200 family of devices offers the largest Flash and SRAM densities available today in an 8032-class microcontroller, and the only one to include on-chip programmable logic.



Key Features:

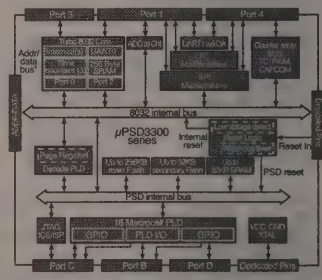
- Standard 8032 MCU Core, 40MHz 5V or 24MHz 3.3V
  Includes programmable watchdog timer
- PSD Architecture, Perfect match for 8051-style architecture
  Programmable memory management for efficient memory paging
  Flexible allocation of memory between "code" and "data" space, even on-the-fly
  Robust and flexible In-Application Programming (IAP) for field updates
- Three Independent Memories, Up to 32KBytes Flash, 32KBytes Secondary Flash
  Up to 32KBytes SRAM, battery capable, Use EEPROM emulation in 2nd Flash
- Programmable Logic, Memory decode and management, 16 macrocell general purpose PLD
- I/O and Communication Channels, Up to 51 GPIO,
  5 PWM Channels, one very hi resolution, USB 1.1 Peripheral,
  low speed 1.5 Mbps, I²C master/slave, Two UART Channels
- JTAG In-System Programming, Program entire chip in 10-25 seconds
  Ideal for development and manufacturing
- Analog Functions, 4 Channel, 8-bit ADC, Vcc Monitor with Reset Generator,
  Security Lock prevents theft of contents, PLD Power Manager

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr.	Mfr. Part No.	Package	Performance @ Clock (MHz)	Main Flash (bytes)	2nd Flash (bytes)	SRAM (bytes)	Macro-cells	USB 1.1 Speed	Timers/ Counters	PWM Ch.	UART	I²C Ch.	SPI Ch.	IrDA Protocol	DDC Ch.	Watch-dog/ VCC Reset	JTAG Emulation	GPIO	8032 Bus Access	Operating Voltage (V)	Price Each 1-99
Surface Mount																					
511—UPSD3254A-40U6		TQFP-80	3 MIP @ 40	256K	32K	32K	16	Low	3	5	2	1	No	No	Yes	Yes	No	46	Yes	4.5-5.0	14.37
511—UPSD3254A-40T6		TQFP-52	3 MIP @ 40	256K	32K	32K	16	Low	3	5	2	1	No	No	Yes	Yes	No	51	No	4.5-5.0	13.61
511—UPSD3254BV-24U6		TQFP-80	2 MIP @ 24	256K	32K	32K	16	No	3	5	2	1	No	No	Yes	Yes	No	46	Yes	3.0-3.6	13.65
511—UPSD3234A-40U6		TQFP-80	3 MIP @ 40	256K	32K	8K	16	Low	3	5	2	1	No	No	Yes	Yes	No	46	Yes	4.5-5.0	12.25
511—UPSD3234BV-24U6		TQFP-80	2 MIP @ 24	256K	32K	8K	16	No	3	5	2	1	No	No	Yes	Yes	No	46	Yes	3.0-3.6	11.55
511—UPSD3234A-40T6		TQFP-52	3 MIP @ 40	256K	32K	8K	16	Low	3	5	2	1	No	No	Yes	Yes	No	37	No	4.5-5.0	11.51
511—UPSD3253B-40T6		TQFP-52	3 MIP @ 40	128K	32K	32K	16	No	3	5	2	1	No	No	Yes	Yes	No	37	No	4.5-5.0	12.35
511—UPSD3253BV-24T6		TQFP-52	2 MIP @ 24	128K	32K	32K	16	No	3	5	2	1	No	No	Yes	Yes	No	37	No	3.0-3.6	12.35
511—UPSD3233B-40U6		TQFP-80	3 MIP @ 40	128K	32K	8K	16	No	3	5	2	1	No	No	Yes	Yes	No	46	Yes	4.5-5.0	10.99
511—UPSD3233BV-24U6		TQFP-80	2 MIP @ 24	128K	32K	8K	16	No	3	5	2	1	No	No	Yes	Yes	No	46	Yes	3.0-3.6	10.99
511—UPSD3233B-40T6		TQFP-52	3 MIP @ 40	128K	32K	8K	16	No	3	5	2	1	No	No	Yes	Yes	No	37	No	4.5-5.0	10.25
511—UPSD3233BV-24T6		TQFP-52	2 MIP @ 24	128K	32K	8K	16	No	3	5	2	1	No	No	Yes	Yes	No	37	No	3.0-3.6	10.25
511—UPSD3212CV-24T6		TQFP-52	2 MIP @ 24	64K	16K	2K	16	No	3	5	2	1	No	No	No	Yes	No	37	No	3.0-3.6	8.18
511—UPSD3212C-40T6		TQFP-52	3 MIP @ 40	64K	16K	2K	16	No	3	5	2	1	No	No	No	Yes	No	37	No	4.5-5.0	8.18
511—UPSD3212CV-24U6		TQFP-80	2 MIP @ 24	64K	16K	2K	16	No	3	5	2	1	No	No	No	Yes	No	46	Yes	3.0-3.6	8.68
511—UPSD3212C-40U6		TQFP-80	3 MIP @ 40	64K	16K	2K	16	No	3	5	2	1	No	No	No	Yes	No	46	Yes	4.5-5.0	8.68

STMICROELECTRONICS MICRO PROGRAMMABLE SYSTEM DEVICES (μPSD) 3300 SERIES

The Turbo uPSD33xx Series combines a powerful 8051-based microcontroller with a flexible memory structure, programmable logic, and a rich peripheral mix to form an ideal embedded controller. At its core is a fast 4-cycle 8032 MCU with a 6-byte instruction prefetch queue (PFQ) and a 4-entry fully associative branching cache (BC) to maximize MCU performance, enabling loops of code in smaller localities to execute extremely fast.



Key Features:

- Fast Turbo 8032 MCU, Advanced 8032 core: four clocks per instruction pre-fetch queue branching cache
- 10 MIPs peak performance @ 40MHz 5.0V Vcc
- 8 MIPs peak performance @ 40MHz, 3.3V Vcc
- 8032 core compatible with third-party tools
- Internal clock divider for low-power mode
- Three 8032 16-bit timers and external interrupts
- Dual XDATA pointers w/auto increment/decrement

Dual- Flash memories with memory management

- True read-while-write concurrent access
- Main Flash size: up to 256KB
- 2nd Flash size: up to 32KB
- 100K min erase cycles, 15 yr retention
- On-chip programmable memory decode logic
- Implement EEPROM emulation SRAM
- Up to 32KB. Use as XDATA or code
- Capable of battery backup with external battery

In-Circuit Serial debug via JTAG and In-System Programming (ISP)

- Set breakpoints, trace, single-step, display, modify memory and SFRs. External event pin
- ISP chip in 10-20 sec with no MCU involvement

Programmable Logic general purpose

- 16-macrocells with architecture similar to industry standard 22V10 PLDs
- Allows creation of shifters, counters, chip-selects, glue-logic to keypads, panels, LCDs etc.
- Configure PLD with simple PSDsoft Express software available for download
  16-bit Programmable Counter Array (PCA)
- Dual-independent counter blocks, each with three 16-bit T/C modules (six modules in total)

Peripheral Interfaces

- Eight 10-bit ADC channels, 10 usec conversion
- I2C master/slave bus controller up to 800KHz
- SPI master bus controller

Supervisor functions

- Watchdog timer
- Vcc monitor with 10μ sec reset generator
- Filtered reset input, reset output

Operating range

- 3.3V applications: Vcc: 3.3V +/- 10% (MCU/Flash)
- 5.0V applications: Vcc: 5.0V +/- 10% (Flash) and 3.3V +/- 10% (MCU)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr.	Mfr. Part No.	Package	Performance @ Clock (MHz)	Main Flash (bytes)	2nd Flash (bytes)	SRAM (bytes)	Macro-cells	UART	Timers/ Counters	12C Ch.	SPI Ch.	IrDA Protocol	Super-visor	ADC Ch.	PCA	PWM	CAPCOM	GPIO	8032 Bus Access	Operating Voltage (V)	Price Each 1-99
Surface Mount																					
511—UPSD3312D-40T6		TQFP-52	10 MIPS @ 40	64K	16K	2K	16	2	9	1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	37	No	-40 to + 85	8.24
511—UPSD3312DV-40T6		TQFP-52	8 MIPS @ 40	64K	16K	2K	16	2	9	1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	37	No	-40 to + 85	8.24
511—UPSD3333D-40T6		TQFP-52	10 MIPS @ 40	128K	32K	8K	16	2	9	1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	37	No	-40 to + 85	11.44
511—UPSD3333D-40U6		TQFP-80	10 MIPS @ 40	128K	32K	8K	16	2	9	1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	37	No	-40 to + 85	12.16
511—UPSD3333DV-40T6		TQFP-52	8 MIPS @ 40	128K	32K	8K	16	2	9	1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	37	No	-40 to + 85	11.44
511—UPSD3333DV-40U6		TQFP-80	8 MIPS @ 40	128K	32K	8K	16	2	9	1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	37	No	-40 to + 85	12.16
511—UPSD3334D-40U6		TQFP-80	10 MIPS @ 40	256K	32K	8K	16	2	9	1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	46	Yes	-40 to + 85	12.90
511—UPSD3334DV-40U6		TQFP-80	8 MIPS @ 40	256K	32K	8K	16	2	9	1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	46	Yes	-40 to + 85	12.90

STMICROELECTRONICS Programmable System Devices

STMicroelectronics

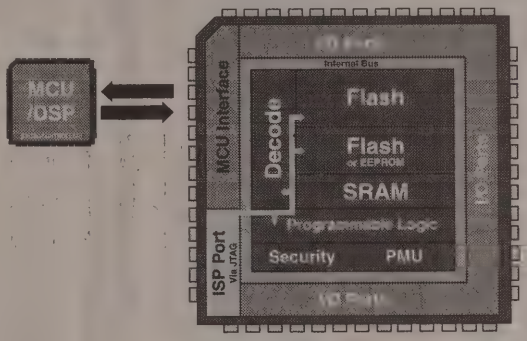
STMICROELECTRONICS EASY FLASH PROGRAMMABLE SYSTEM DEVICES (PSD)

A Flash PSD is a configurable memory system on a chip for embedded systems. They integrate dual flash memory arrays, SRAM, programmable logic, additional I/O, a security feature, and advanced in-system programming (ISP) capabilities onto a single low-cost MCU companion chip. The on-board programmable logic provides a simple, "glue-less" interface to virtually any MCU or DSP, and handles all internal as well as many external logic requirements.

A JTAG ISP port allows in-system programming without MCU assistance, so blank PSDs can be soldered to the circuit board and programmed at the end of the assembly line, in the field, or on the bench. The dual flash arrays allows for in-application re-programming (IAP), which means that the program code can be changed while the application continues to run normally. PSDs can replace up to a dozen discrete components on your circuit board.

Key Features:

- Up to 8 Mbits of main flash for program store
- 64K bytes of flash boot or EEPROM for concurrent programming
- Up to 8K bytes of Scratch Pad SRAM
- Decode PLD (DPLD)
- Power Management Unit (PMU)
- Security Bit
- Up to 52 I/O ports
- In-System Programmable via the JTAG ISP port or the MCU
- In-Application re-Programmable
- Supports multiplexed or non-multiplexed address/data bus
- Supports PSEN for separate code and data addressing issues in 8051
- Provides all programmable control signals



Surface Mount Devices

*These devices feature an EEPROM in place of the 2nd bank of Flash memory

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Memory Access Time (ns)	Data Bus Width (bits)	Main Flash (bytes)	2nd Flash (bytes)	SRAM (bytes)	PLD Inputs	Input Macrocells	Output Macrocells	PLD Outputs	8-bit Page Register	JTAG Prog.	GPIO	Operating Voltage (V)	Temperature Range (°C)	Price Each 1	100	500
PSD with In-System Programmable Flash System (5 Volt)(8-Bit Data Path)																			
511—	PSD813F1A-90J	PLCC-52	90	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	12.45	8.71	8.10
511—	PSD813F1A-90JI	PLCC-52	90	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	13.57	9.49	8.83
511—	PSD813F1A-90M	TQFP-52	90	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	12.45	8.71	8.10
511—	PSD813F1A-90MI	TQFP-52	90	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	13.57	9.49	8.83
511—	PSD813F1A-90U	TQFP-52	90	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	13.49	9.44	8.78
511—	PSD813F1A-12JI	PLCC-52	120	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	13.57	9.49	8.83
511—	PSD813F2A-90J	PLCC-52	90	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	11.39	7.97	7.41
511—	PSD813F2A-90JI	PLCC-52	90	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	12.43	8.69	8.09
511—	PSD813F2A-90M	TQFP-52	90	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	11.39	7.97	7.41
511—	PSD813F2A-90MI	TQFP-52	90	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	12.43	8.69	8.09
511—	PSD813F2A-90U	TQFP-52	90	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	12.45	8.71	8.10
511—	PSD833F2-90J	PLCC-52	90	8	128K	32K	8K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	12.75	8.92	8.29
511—	PSD833F2-90JI	PLCC-52	90	8	128K	32K	8K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	13.89	9.72	9.04
511—	PSD833F2-90M	PQFP-52	90	8	128K	32K	8K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	12.75	8.92	8.29
511—	PSD833F2-90MI	PQFP-52	90	8	128K	32K	8K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	13.89	9.72	9.04
511—	PSD834F2-70J	PLCC-52	70	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	15.75	11.02	10.24
511—	PSD834F2-70M	TQFP-52	70	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	15.75	11.02	10.24
511—	PSD834F2-90J	PLCC-52	90	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	15.01	10.50	9.76
511—	PSD834F2-90JI	PLCC-52	90	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	16.35	11.44	10.63
511—	PSD834F2-90MI	TQFP-52	90	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	16.35	11.44	10.63
511—	PSD853F2-70J	PLCC-52	70	8	128K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	18.01	12.60	11.71
511—	PSD853F2-70M	TQFP-52	70	8	128K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	17.11	11.97	11.13
511—	PSD853F2-90J	PLCC-52	90	8	128K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	17.15	12.00	11.15
511—	PSD853F2-90JI	PLCC-52	90	8	128K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	18.69	13.08	12.16
511—	PSD853F2-90M	PQFP-52	90	8	128K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	17.15	12.00	11.15
511—	PSD853F2-90MI	PQFP-52	90	8	128K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	18.69	13.08	12.16
511—	PSD854F2-70J	PLCC-52	70	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	18.73	13.10	12.18
511—	PSD854F2-70M	TQFP-52	70	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	18.73	13.10	12.18
511—	PSD854F2-90J	PLCC-52	90	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	17.85	12.49	11.61
511—	PSD854F2-90JI	PLCC-52	90	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	16.45	13.61	12.65
511—	PSD854F2-90M	TQFP-52	90	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	17.85	12.49	11.61
511—	PSD854F2-90MI	TQFP-52	90	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	19.45	13.61	12.65
PSD with In-System Programmable Flash System (5 Volt)(16-Bit Data Path)																			
511—	PSD835G2-70U	TQFP-80	70	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	4.5-5.0	0 to +70	19.15	13.40	12.45
511—	PSD835G2-90U	TQFP-80	90	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	4.5-5.0	0 to +70	18.23	12.75	11.86
511—	PSD835G2-90UI	TQFP-80	90	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	4.5-5.0	-40 to +85	19.87	13.90	12.92
511—	PSD4235G2-70U	TQFP-80	70	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	4.5-5.0	0 to +70	18.02	13.68	13.39
511—	PSD4235G2-90U	TQFP-80	90	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	4.5-5.0	0 to +70	19.61	13.72	12.75
511—	PSD4235G2-90UI	TQFP-80	90	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	4.5-5.0	-40 to +85	18.72	14.22	13.91

STMICROELECTRONICS Programmable System Devices

STMicroelectronics

STMICROELECTRONICS EASY FLASH PROGRAMMABLE SYSTEM DEVICES (PSD) (CONT.)

Surface Mount Devices

For quantities of 1000 and up, call for quote.

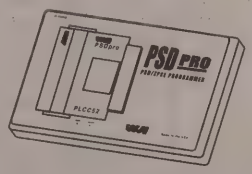
MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Package	Memory Access Time (ns)	Data Bus Width (bits)	Main Flash (bytes)	2nd Flash (bytes)	SRAM (bytes)	PLD Inputs	Input Microcells	Output Microcells	PLD Outputs	8-bit Page Regiater	JTAG Prog.	GPIO	Operating Voltage (V)	Temperature Range (°C)	Price Each 1	Price Each 100	Price Each 500
PSD with In-System Programmable Flash System (3 Volt)(8-Bit Data Path)																			
511	PSD813F1VA-15J	PLCC-52	150	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	13.19	9.23	8.58
511	PSD813F1VA-15M	PQFP-52	150	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	13.19	9.23	8.58
511	PSD813F1VA-15U	TQFP-52	150	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	14.23	9.95	9.26
511	PSD813F1VA-20JI	PLCC-52	200	8	128K	32K*	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	14.37	10.05	9.35
511	PSD813F2VA-15J	PLCC-52	150	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	12.07	8.44	7.85
511	PSD813F2VA-15M	PQFP-52	150	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	12.07	8.44	7.85
511	PSD813F2VA-15U	TQFP-52	150	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	13.13	9.18	8.54
511	PSD813F2VA-20JI	PLCC-52	200	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	13.17	9.21	8.57
511	PSD813F2VA-20MI	TQFP-52	200	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	13.17	9.21	8.57
511	PSD813F5VA-15J	PLCC-52	150	8	128K	- - -	- - -	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	11.08	9.42	8.31
511	PSD834F2V-15J	PLCC-52	150	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	15.91	11.13	10.35
511	PSD834F2V-15M	TQFP-52	150	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	15.91	11.13	10.35
511	PSD834F2V-20JI	PLCC-52	200	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	17.33	12.12	11.27
511	PSD834F2V-20MI	TQFP-52	200	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	17.33	12.12	11.27
511	PSD854F2V-90J	PLCC-52	90	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	18.91	13.23	12.30
511	PSD854F2V-90M	TQFP-52	90	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	18.91	13.23	12.30
511	PSD854F2V-12JI	PLCC-52	120	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	18.03	13.70	13.40
511	PSD854F2V-12MI	TQFP-52	120	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	-40 to +85	18.03	13.70	13.40
511	PSD913F2V-15J	PLCC-52	150	8	128K	32K*	2K	57	- - -	- - -	19	Yes	Yes	27	3.0 - 3.6	0 to +70	9.94	8.45	7.46
511	PSD913F2V-15M	PQFP-52	150	8	128K	32K*	2K	57	- - -	- - -	19	Yes	Yes	27	3.0 - 3.6	0 to +70	9.94	8.45	7.46
511	PSD934F2V-15J	PLCC-52	150	8	256K	32K	8K	57	- - -	- - -	19	Yes	Yes	27	3.0 - 3.6	0 to +70	11.54	9.81	8.66
511	PSD954F2V-90J	PLCC-52	90	8	256K	32K	32K	57	- - -	- - -	19	Yes	Yes	27	3.0 - 3.6	0 to +70	16.74	14.23	12.56
PSD with In-System Programmable Flash System (3 Volt)(16-Bit Data Path)																			
511	PSD835G2V-90U	TQFP-80	90	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	3.0 - 3.6	0 to +70	17.75	13.48	13.20
511	PSD835G2V-12UI	TQFP-80	120	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	3.0 - 3.6	-40 to +85	19.00	14.43	14.12
511	PSD4235G2V-90U	TQFP-80	90	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	3.0 - 3.6	0 to +70	18.19	13.82	13.52
511	PSD4235G2V-12UI	TQFP-80	120	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	3.0 - 3.6	-40 to +85	19.84	15.07	14.74
511	PSD4256G6V-10UI	TQFP-80	100	16	1024K	64K	32K	82	24	16	24	Yes	Yes	52	2.7 - 3.6	-40 to +85	24.63	18.71	18.30

* These devices feature an EEPROM in place of the 2nd bank of Flash memory

STMICROELECTRONICS PSDPRO PROGRAMMER

High performance engineering programmer designed to program the entire family of PSD products. It is controlled using PSDsoft development software operating in the IBM-PC compatible MS Windows 95/98 or NT environment. It enables quick programming, greatly accelerating the system design process.

Requirements:
- Microsoft Windows 95/98/2000 or NT/XP
- 32MB of RAM
- Hard-drive space: approximately 30MB
- CD-ROM drive



Includes:
- Parallel cable
- Power supply adapter
- Family module (small edge connector PC board already installed in the edge connector on top of the PSDPro programmer.
- Adapter sockets must be ordered separately.
- PSDPro programmer

MOUSER STOCK NO.	Description (Power Supply)	Price Each
511-PSDPRO-110	PSD family devices (110V)	446.88
511-PSDPRO-220	PSD family devices (220V)	446.88

STMICROELECTRONICS PSD900 SERIES DEVELOPMENT KIT

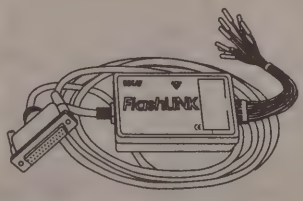
Development kit for using with the PSD900 series of Flash PSDs

Includes:
- Evaluation board with either a 8051 or 68HC11 microcontroller
- FlashLink JTAG in-system programmer (ISP)
- Detailed manual for the development kit
- PSD913F2-90J or PSD934F2-90J sample
- CD-ROM - includes databook, software and videos
- UART and JTAG cables

MOUSER STOCK NO.	Microcontroller use (Power Supply)	Price Each
511-DK805152J-110	8051 (110V)	446.88
511-DK805152J-220	8051 (220V)	446.88
511-DK900-110	8051 (110V)	102.96
511-DK900-220	8051 (220V)	110.88
511-DK68HC1152J-110	68HC11 (110V)	446.88
511-DK68HC1152J-220	68HC11 (220V)	446.88
511-DK900HC11-110	68HC11 (110V)	124.95
511-DK900HC11-220	68HC11 (220V)	124.95

STMICROELECTRONICS FLASHLINK PARALLEL PORT PROGRAMMER

- Attaches to parallel port of a PC running PSDsoft or PSDsoft Express and target system with JTAG port
- With latest software (PSDsoft or PSDsoft Express) can program an entire Flash PSD in 10-20 seconds.
- 100% satisfaction guaranteed



MOUSER STOCK NO.	Description	Price Each
511-FL-101	Stand alone JTAG parallel port programmer	66.08

STMICROELECTRONICS DK4000 PSD SERIES DEVELOPMENT KIT

Development kit for using with the PSD4000 series of Flash PSDs

Includes:
- PSDsoft Express - point & click Windows based development software
- Evaluation board with PSD4135G2 and either an Infineon C167 or Phillips 80C51XA microcontroller
- FlashLINK JTAG in-system programmer (ISP)
- Detailed manual for the development kit
- Ribbon & "flying-lead" JTAG cables for FlashLINK
- Serial UART cable
- CD-ROM - includes databook, software and videos

MOUSER STOCK NO.	Microcontroller use (Power Supply)	Price Each
511-DK4000C167-110	Infineon C167 (110V)	208.60
511-DK4000C167-220	Infineon C167 (220V)	208.60
511-DK4000XA-110	Phillips 80C51XA (110V)	208.60
511-DK4000XA-220	Phillips 80C51XA (220V)	208.60

Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
100K Series						
512—	100EL11M	SOIC-8	5V ECL1:2 Diff Fanout Buffer	5.45	4.77	4.08
512—	100EL16M	SOIC-8	Differential Receiver	5.45	4.77	4.08
512—	100ELT22M	SOIC-8	DI TTL to Diff PECL Translator	5.45	4.77	4.08
512—	100LVEL11M	SOIC-8	3.3V ECL 1:2 Diff Fanout Buffer	5.45	4.77	4.08
512—	100LVEL16M	SOIC-8	3.3V ECL Differential Receiver	5.45	4.77	4.08
512—	100LVELT22M	SOIC-8	3.3V DI LVTTL/LVCMOS to Diff Trans	5.45	4.77	4.08
74ABT Series						
512—	74ABT125CMTC	TSSOP-14	Quad Buffer	.50	.42	.30
512—	74ABT125CSC	SOIC-14	Quad Buffer	.50	.42	.30
512—	74ABT125CSJ	SOP-14	Quad Buffer	.50	.42	.30
512—	74ABT126CSC	SOIC-14	Quad Buffer	.50	.42	.30
512—	74ABT126CSJ	SOP-14	Quad Buffer	.50	.42	.30
512—	74ABT162244CMTD	TSSOP-48	16-Bit Buffer/Line Driver	1.56	1.30	.93
512—	74ABT162244CSSC	SSOP-48	16-Bit Buffer/Line Driver	1.66	1.39	.99
512—	74ABT16244CMTD	TSSOP-48	16-Bit Buffer/Line Driver	1.51	1.26	.90
512—	74ABT16244CSSC	SSOP-48	16-Bit Buffer/Line Driver	1.61	1.34	.96
512—	74ABT16245CMTD	TSSOP-48	16-Bit Transceiver	1.51	1.26	.90
512—	74ABT16245CSSC	SSOP-48	16-Bit Transceiver	1.61	1.34	.96
512—	74ABT16373CMTD	TSSOP-48	16-Bit Transparent Latch	1.51	1.26	.90
512—	74ABT16373CSSC	SSOP-48	16-Bit Transparent Latch	1.92	1.60	1.14
512—	74ABT16374CMTD	TSSOP-48	16-Bit D Flip-Flop	1.51	1.26	.90
512—	74ABT16374CSSC	SSOP-48	16-Bit D Flip-Flop	1.92	1.60	1.14
512—	74ABT16500CMTD	TSSOP-56	18-Bit Registered Bus Trans	5.64	4.70	3.36
512—	74ABT16500CSSC	SSOP-56	18-Bit Registered Bus Trans	5.64	4.70	3.36
512—	74ABT16501CMTD	TSSOP-56	18-Bit Universal Bus Trans	5.64	4.70	3.36
512—	74ABT16501CSSC	SSOP-56	18-Bit Universal Bus Trans	5.64	4.70	3.36
512—	74ABT16541CMTD	TSSOP-48	16-Bit Buffer/Line Driver	3.88	3.23	2.31
512—	74ABT16541CSSC	SSOP-48	16-Bit Buffer/Line Driver	3.88	3.23	2.31
512—	74ABT16543CMTD	TSSOP-56	16-Bit Registered Transceiver	5.29	4.41	3.15
512—	74ABT16543CSSC	SSOP-56	16-Bit Registered Transceiver	5.29	4.41	3.15
512—	74ABT16646CMTD	TSSOP-56	16-Bit Transceivers and Reg	5.29	4.41	3.15
512—	74ABT16646CSSC	SSOP-56	16-Bit Transceivers and Reg	5.29	4.41	3.15
512—	74ABT16652CMTD	TSSOP-56	Octal Transceivers and Reg	5.29	4.41	3.15
512—	74ABT16652CSSC	SSOP-56	Octal Transceivers and Reg	5.29	4.41	3.15
512—	74ABT16952CMTD	TSSOP-56	16-Bit Registered Transceiver	5.29	4.41	3.15
512—	74ABT16952CSSC	SSOP-56	16-Bit Registered Transceiver	5.80	4.83	3.45
512—	74ABT2240CMSA	SSOP-20	Octal Buffer/Line Driver	1.26	1.05	.75
512—	74ABT2240CSC	SOIC(W)-20	Octal Buffer/Line Driver	.91	.76	.54
512—	74ABT2240CSJ	SOP-20	Octal Buffer/Line Driver	.91	.76	.54
512—	74ABT2244CMSA	SSOP-20	Octal Buffer/Line Driver	1.26	1.05	.75
512—	74ABT2244CPC	DIP-20	Octal Buffer/Line Driver	1.41	1.18	.84
512—	74ABT2244CSC	SOIC(W)-20	Octal Buffer/Line Driver	.91	.76	.54
512—	74ABT2244CSJ	SOP-20	Octal Buffer/Line Driver	.91	.76	.54
512—	74ABT240CMSA	SSOP-20	Octal Buffer/Line Driver	1.26	1.05	.75
512—	74ABT240CSC	SOIC(W)-20	Octal Buffer/Line Driver	.91	.76	.54
512—	74ABT240CSJ	SOP-20	Octal Buffer/Line Driver	.91	.76	.54
512—	74ABT241CMSA	SSOP-20	Octal Buffer/Line Driver	1.26	1.05	.75
512—	74ABT241CSC	SOIC(W)-20	Octal Buffer/Line Driver	.91	.76	.54
512—	74ABT241CSJ	SOP-20	Octal Buffer/Line Driver	.91	.76	.54
512—	74ABT244CMSA	SSOP-20	Octal Buffer/Line Driver	1.26	1.05	.75
512—	74ABT244CMTC	TSSOP-20	Octal Buffer/Line Driver	.91	.76	.54
512—	74ABT244CPC	DIP-20	Octal Buffer/Line Driver	1.41	1.18	.84
512—	74ABT244CSC	SOIC(W)-20	Octal Buffer/Line Driver	.91	.76	.54
512—	74ABT244CSJ	SOP-20	Octal Buffer/Line Driver	.91	.76	.54
512—	74ABT245CMSA	SSOP-20	Octal Bi-Directional Transceiver	1.26	1.05	.75
512—	74ABT245CMTC	TSSOP-20	Octal Bi-Directional Transceiver	.91	.76	.54
512—	74ABT245CPC	DIP-20	Octal Bi-Directional Transceiver	1.41	1.18	.84
512—	74ABT245CSC	SOIC(W)-20	Octal Bi-Directional Transceiver	.91	.76	.54
512—	74ABT245CSJ	SOP-20	Octal Bi-Directional Transceiver	.91	.76	.54
512—	74ABT2541CMSA	SSOP-20	Octal Buffer/Line Driver	2.12	1.76	1.26
512—	74ABT2541CSC	SOIC(W)-20	Octal Buffer/Line Driver	1.97	1.64	1.17
512—	74ABT2541CSJ	SOP-20	Octal Buffer/Line Driver	1.97	1.64	1.17
512—	74ABT273CMSA	SSOP-20	Octal D-Type Flip-Flop	1.26	1.05	.75
512—	74ABT273CSC	SOIC(W)-20	Octal D-Type Flip-Flop	.91	.76	.54
512—	74ABT273CSJ	SOP-20	Octal D-Type Flip-Flop	.91	.76	.54
512—	74ABT2952CMSA	SSOP-24	Octal Registered Transceiver	6.80	5.67	4.05
512—	74ABT373CMSA	SSOP-20	Octal Transparent Latch	1.26	1.05	.75
512—	74ABT373CPC	DIP-20	Octal Transparent Latch	1.41	1.18	.84
512—	74ABT373CSC	SOIC(W)-24	Octal Transparent Latch	.91	.76	.54
512—	74ABT373CSJ	SOP-20	Octal Transparent Latch	.91	.76	.54
512—	74ABT374CMSA	SSOP-20	Octal D-Type Flip-Flop	1.26	1.05	.75
512—	74ABT374CPC	DIP-20	Octal D-Type Flip-Flop	1.41	1.18	.84
512—	74ABT374CSC	SOIC(W)-20	Octal D-Type Flip-Flop	.91	.76	.54
512—	74ABT374CSJ	SOP-20	Octal D-Type Flip-Flop	.91	.76	.54
512—	74ABT377CMSA	SSOP-20	Octal D-Type Flip-Flop	1.26	1.05	.75
512—	74ABT377CSC	SOIC(W)-20	Octal D-Type Flip-Flop	.91	.76	.54
512—	74ABT377CSJ	SOP-20	Octal D-Type Flip-Flop	.91	.76	.54

♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
74ABT Series con't.						
♦512—	74ABT541CMSA	SSOP-20	Octal Buffer/Line Driver	1.41	1.18	.84
♦512—	74ABT541CPC	DIP-20	Octal Buffer/Line Driver	1.61	1.34	.96
♦512—	74ABT541CSC	SOIC(W)-20	Octal Buffer/Line Driver	1.26	1.05	.75
♦512—	74ABT541CSJ	SOP-20	Octal Buffer/Line Driver	1.26	1.05	.75
♦512—	74ABT543CMSA	SSOP-24	Octal Registered Transceiver	2.12	1.76	1.26
♦512—	74ABT573CMSA	SSOP-20	Octal D-Type Latch	1.41	1.18	.84
512—	74ABT573CPC	DIP-20	Octal D-Type Latch	1.61	1.34	.96
♦512—	74ABT573CSC	SOIC(W)-20	Octal D-Type Latch	1.26	1.05	.75
♦512—	74ABT573CSJ	SOP-20	Octal D-Type Latch	1.26	1.05	.75
♦512—	74ABT574CMSA	SSOP-20	Octal D-Type Flip-Flop	1.41	1.18	.84
♦512—	74ABT574CSC	SOIC(W)-20	Octal D-Type Flip-Flop	1.26	1.05	.75
♦512—	74ABT574CSJ	SOP-20	Octal D-Type Flip-Flop	1.26	1.05	.75
♦512—	74ABT646CMSA	SSOP-24	Octal Trans and Registers	3.53	2.94	2.10
♦512—	74ABT652CMSA	SSOP-24	Octal Trans and Registers	3.53	2.94	2.10
♦512—	74ABT899CMSA	SSOP-28	9-Bit Latchable Transceiver	11.67	9.73	6.94
♦512—	74ABT899CQC	PLCC-28	9-Bit Latchable Transceiver	6.54	5.46	3.90
♦512—	74ABT899CSC	SOIC(W)-28	9-Bit Latchable Transceiver	6.54	5.46	3.90
74AC Series						
♦512—	74AC00MTC	TSSOP-14	Quad 2-Input NAND Gate	.33	.27	.20
♦512—	74AC00PC	DIP-14	Quad 2-Input NAND Gate	.45	.38	.27
♦512—	74AC00SC	SOIC-14	Quad 2-Input NAND Gate	.33	.27	.20
512—	74AC00SJ	SOP-14	Quad 2-Input NAND Gate	.33	.27	.20
♦512—	74AC02MTC	TSSOP-14	Quad 2-Input NAND Gate	.33	.27	.20
♦512—	74AC02PC	DIP-14	Quad 2-Input NAND Gate	.45	.38	.27
♦512—	74AC02SC	SOIC-14	Quad 2-Input NAND Gate	.33	.27	.20
512—	74AC02SJ	SOP-14	Quad 2-Input NAND Gate	.33	.27	.20
♦512—	74AC04MTC	TSSOP-14	Hex Inverter	.33	.27	.20
♦512—	74AC04PC	DIP-14	Hex Inverter	.40	.34	.24
♦512—	74AC04SC	SOIC-14	Hex Inverter	.33	.27	.20
♦512—	74AC04SJ	SOP-14	Hex Inverter	.33	.27	.20
512—	74AC05SC	SOIC-14	Hex Inverter	.33	.27	.20
♦512—	74AC08MTC	TSSOP-14	Quad 2-Input AND Gate	.33	.27	.20
♦512—	74AC08PC	DIP-14	Quad 2-Input AND Gate	.45	.38	.27
♦512—	74AC08SC	SOIC-14	Quad 2-Input AND Gate	.33	.27	.20
512—	74AC08SJ	SOP-14	Quad 2-Input AND Gate	.33	.27	.20
♦512—	74AC109MTC	TSSOP-16	Dual JK Positive Flip-Flop	.40	.34	.24
♦512—	74AC109PC	DIP-16	Dual JK Positive Flip-Flop	.55	.46	.33
♦512—	74AC109SC	SOIC-16	Dual JK Positive Flip-Flop	.40	.34	.24
512—	74AC109SJ	SOP-16	Dual JK Positive Flip-Flop	.40	.34	.24
♦512—	74AC10MTC	TSSOP-14	Triple 3-Input NAND Gate	.33	.27	.20
♦512—	74AC10PC	DIP-14	Triple 3-Input NAND Gate	.45	.38	.27
♦512—	74AC10SC	SOIC-14	Triple 3-Input NAND Gate	.33	.27	.20
512—	74AC10SJ	SOP-14	Triple 3-Input NAND Gate	.33	.27	.20
♦512—	74AC11MTC	TSSOP-14	Triple 3-Input AND Gate	.33	.27	.20
♦512—	74AC11PC	DIP-14	Triple 3-Input AND Gate	.45	.38	.27
♦512—	74AC11SC	SOIC-14	Triple 3-Input AND Gate	.33	.27	.20
512—	74AC11SJ	SOP-14	Triple 3-Input AND Gate	.33	.27	.20
♦512—	74AC125MTC	TSSOP-14	Quad Buffer	.40	.34	.24
♦512—	74AC125PC	DIP-14	Quad Buffer	.55	.46	.33
♦512—	74AC125SC	SOIC-14	Quad Buffer	.40	.34	.24
512—	74AC125SJ	SOP-14	Quad Buffer	.40	.34	.24
♦512—	74AC138MTC	TSSOP-16	1-of-8 Decoder/Demultiplexer	.48	.40	.29
♦512—	74AC138PC	DIP-16	1-of-8 Decoder/Demultiplexer	.61	.51	.36
♦512—	74AC138SC	SOIC-16	1-of-8 Decoder/Demultiplexer	.48	.40	.29
512—	74AC138SJ	SOP-16	1-of-8 Decoder/Demultiplexer	.48	.40	.29
♦512—	74AC139MTC	TSSOP-16	DI 1-of-4 Decoder/Demultiplexer	.48	.40	.29
♦512—	74AC139PC	DIP-16	DI 1-of-4 Decoder/Demultiplexer	.61	.51	.36
♦512—	74AC139SC	SOIC-16	DI 1-of-4 Decoder/Demultiplexer	.48	.40	.29
512—	74AC139SJ	SOP-16	DI 1-of-4 Decoder/Demultiplexer	.48	.40	.29
♦512—	74AC14MTC	TSSOP-14	Hex Inverter	.35	.29	.21
♦512—	74AC14PC	DIP-14	Hex Inverter	.49	.41	.30
♦512—	74AC14SC	SOIC-14	Hex Inverter	.43	.37	.25
512—	74AC14SJ	SOP-14	Hex Inverter	.35	.29	.21
♦512—	74AC151MTC	TSSOP-16	8-Input Multiplexer	.48	.40	.29
♦512—	74AC151PC	DIP-16	8-Input Multiplexer	.61	.51	.36
♦512—	74AC151SC	SOIC-16	8-Input Multiplexer	.48	.40	.29
512—	74AC151SJ	SOP-16	8-Input Multiplexer	.48	.40	.29
♦512—	74AC153MTC	TSSOP-16	Dual 4-Input Multiplexer	.48	.40	.29
♦512—	74AC153PC	DIP-16	Dual 4-Input Multiplexer	.61	.51	.36
♦512—	74AC153SC	SOIC-16	Dual 4-Input Multiplexer	.48	.40	.29
512—	74AC153SJ	SOP-16	Dual 4-Input Multiplexer	.48	.40	.29
♦512—	74AC157MTC	TSSOP-16	Quad 2-Input Multiplexer	.48	.40	.29
♦512—	74AC157PC	DIP-16	Quad 2-Input Multiplexer	.61	.51	.36
♦512—	74AC157SC	SOIC-16	Quad 2-Input Multiplexer	.48	.40	.29
512—	74AC157SJ	SOP-16	Quad 2-Input Multiplexer	.48	.40	.29
512—	74AC161MTC	TSSOP-16	Synchronous Binary Counter	.50	.42	.30
512—	74AC161PC	DIP-16	Synchronous Binary Counter	.66	.55	.39

♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
74AC Series (cont.)						
♦	512—74AC161SC	SOIC-16	Synchronous Binary Counter	.50	.42	.30
♦	512—74AC161SJ	SOP-16	Synchronous Binary Counter	.50	.42	.30
♦	512—74AC16244SSC	SSOP-48	16-Bit Buffer/Line Driver	2.67	2.23	1.59
♦	512—74AC163MTC	TSSOP-16	Synchronous Binary Counter	.50	.42	.30
	512—74AC163PC	DIP-16	Synchronous Binary Counter	.66	.55	.39
♦	512—74AC163SC	SOIC-16	Synchronous Binary Counter	.50	.42	.30
♦	512—74AC163SJ	SOP-16	Synchronous Binary Counter	.50	.42	.30
	512—74AC169PC	DIP-16	4-Stage Synch Bidirectional Ctr	.66	.55	.39
♦	512—74AC169SC	SOIC-16	4-Stage Syn Bidirectional Ctr	.50	.42	.30
♦	512—74AC169SJ	SOP-16	4-Stage Syn Bidirectional Ctr	.50	.42	.30
♦	512—74AC174MTC	TSSOP-16	Hex D Flip-Flop	.50	.42	.30
	512—74AC174PC	DIP-16	Hex D Flip-Flop	.66	.55	.39
♦	512—74AC174SC	SOIC-16	Hex D Flip-Flop	.50	.42	.30
♦	512—74AC174SJ	SOP-16	Hex D Flip-Flop	.50	.42	.30
♦	512—74AC175MTC	TSSOP-16	Quad D-Type Flip-Flop	.50	.42	.30
	512—74AC175PC	DIP-16	Quad D-Type Flip-Flop	.66	.55	.39
♦	512—74AC175SC	SOIC-16	Quad D-Type Flip-Flop	.50	.42	.30
♦	512—74AC175SJ	SOP-16	Quad D-Type Flip-Flop	.50	.42	.30
	512—74AC191PC	DIP-16	Up/Down Counter	1.51	1.26	.90
♦	512—74AC191SJ	SOP-16	Up/Down Counter	1.41	1.18	.84
♦	512—74AC20MTC	TSSOP-14	Dual 4-Input NAND Gate	.33	.27	.20
	512—74AC20PC	DIP-14	Dual 4-Input NAND Gate	.45	.38	.27
♦	512—74AC20SC	SOIC-14	Dual 4-Input NAND Gate	.33	.27	.20
♦	512—74AC20SJ	SOP-14	Dual 4-Input NAND Gate	.33	.27	.20
♦	512—74AC240MTC	TSSOP-20	Octal Buffer/Line Driver	.53	.44	.32
	512—74AC240PC	DIP-20	Octal Buffer/Line Driver	.66	.55	.39
♦	512—74AC240SC	SOIC(W)-20	Octal Buffer/Line Driver	.53	.44	.32
♦	512—74AC240SJ	SOP-20	Octal Buffer/Line Driver	.53	.44	.32
♦	512—74AC241MTC	TSSOP-20	Octal Buffer/Line Driver	.53	.44	.32
	512—74AC241PC	DIP-20	Octal Buffer/Line Driver	.66	.55	.39
♦	512—74AC241SC	SOIC(W)-20	Octal Buffer/Line Driver	.53	.44	.32
♦	512—74AC241SJ	SOP-20	Octal Buffer/Line Driver	.53	.44	.32
♦	512—74AC244MTC	TSSOP-20	Octal Buffer/Line Driver	.53	.44	.32
	512—74AC244PC	DIP-20	Octal Buffer/Line Driver	.66	.55	.39
♦	512—74AC244SC	SOIC-20	Octal Buffer/Line Driver	.53	.44	.32
♦	512—74AC244SJ	SOP-20	Octal Buffer/Line Driver	.53	.44	.32
♦	512—74AC245MTC	TSSOP-20	Octal Bidirectional Transceiver	.53	.44	.32
	512—74AC245PC	DIP-20	Octal Bidirectional Transceiver	.66	.55	.39
♦	512—74AC245SC	SOIC-20	Octal Bidirectional Transceiver	.53	.44	.32
♦	512—74AC245SJ	SOP-20	Octal Bidirectional Transceiver	.53	.44	.32
	512—74AC251PC	DIP-16	8-Input Multiplexer	.55	.46	.33
♦	512—74AC251SC	SOIC-16	8-Input Multiplexer	.48	.40	.29
♦	512—74AC251SJ	SOP-16	8-Input Multiplexer	.48	.40	.29
	512—74AC253PC	DIP-16	Dual 4-Input Multiplexer	.61	.51	.36
♦	512—74AC253SC	SOIC-16	Dual 4-Input Multiplexer	.48	.40	.29
♦	512—74AC253SJ	SOP-16	Dual 4-Input Multiplexer	.48	.40	.29
♦	512—74AC257MTC	TSSOP-16	Quad 2-Input Multiplexer	.48	.40	.29
	512—74AC257PC	DIP-16	Quad 2-Input Multiplexer	.55	.46	.33
♦	512—74AC257SC	SOIC-16	Quad 2-Input Multiplexer	.48	.40	.29
♦	512—74AC257SJ	SOP-16	Quad 2-Input Multiplexer	.48	.40	.29
♦	512—74AC273MTC	TSSOP-20	Octal D-Type Flip-Flop	.53	.44	.32
	512—74AC273PC	DIP-20	Octal D-Type Flip-Flop	.66	.55	.39
♦	512—74AC273SC	SOIC-20	Octal D-Type Flip-Flop	.53	.44	.32
♦	512—74AC273SJ	SOP-20	Octal D-Type Flip-Flop	.53	.44	.32
♦	512—74AC280SC	SOIC-14	9-Bit Parity Generator/Checker	.83	.69	.50
♦	512—74AC280SJ	SOP-14	9-Bit Parity Generator/Checker	.83	.69	.50
	512—74AC299PC	DIP-20	8-Input Univ Shift/Storage Rgstr	1.06	.88	.63
♦	512—74AC299SJ	SOP-20	8-Input Univ Shift/Storage Rgstr	.98	.82	.59
♦	512—74AC32MTC	TSSOP-14	Quad 2-Input OR Gate	.33	.27	.20
	512—74AC32PC	DIP-14	Quad 2-Input OR Gate	.45	.38	.27
♦	512—74AC32SC	SOIC-14	Quad 2-Input OR Gate	.33	.27	.20
♦	512—74AC32SJ	SOP-14	Quad 2-Input OR Gate	.33	.27	.20
♦	512—74AC373MTC	TSSOP-20	Octal Transparent Latch	.53	.44	.32
	512—74AC373PC	DIP-20	Octal Transparent Latch	.77	.63	.44
♦	512—74AC373SC	SOIC(W)-20	Octal Transparent Latch	.53	.44	.32
♦	512—74AC373SJ	SOP-20	Octal Transparent Latch	.53	.44	.32
♦	512—74AC374MTC	TSSOP-20	Octal D-Type Flip-Flop	.53	.44	.32
	512—74AC374PC	DIP-20	Octal D-Type Flip-Flop	.66	.55	.39
♦	512—74AC374SC	SOIC(W)-20	Octal D-Type Flip-Flop	.53	.44	.32
♦	512—74AC374SJ	SOP-20	Octal D-Type Flip-Flop	.53	.44	.32
	512—74AC377PC	DIP-20	Octal D-Type Flip-Flop	.66	.55	.39
♦	512—74AC377SC	SOIC(W)-20	Octal D-Type Flip-Flop	.53	.44	.32
♦	512—74AC377SJ	SOP-20	Octal D-Type Flip-Flop	.53	.44	.32
	512—74AC399PC	DIP-20	Octal D-Type Flip-Flop	2.62	2.18	1.56
	512—74AC520PC	DIP-20	8-Bit Identity Comparator	.91	.76	.54
♦	512—74AC520SC	SOIC(W)-20	8-Bit Identity Comparator	.81	.67	.48
	512—74AC521PC	DIP-20	8-Bit Identity Comparator	.91	.76	.54
♦	512—74AC521SC	SOIC(W)-20	8-Bit Identity Comparator	.81	.67	.48
♦	512—74AC521SJ	SOP-20	8-Bit Identity Comparator	.81	.67	.48
♦	512—74AC540MTC	TSSOP-20	Octal Buffer/Line Driver	.81	.67	.48
	512—74AC540PC	DIP-20	Octal Buffer/Line Driver	.91	.76	.54
♦	512—74AC540SC	SOIC-20	Octal Buffer/Line Driver	.81	.67	.48
♦	512—74AC540SJ	SOP-20	Octal Buffer/Line Driver	.81	.67	.48
	512—74AC541PC	DIP-20	Octal Buffer/Line Driver	.91	.76	.54
♦	512—74AC541SC	SOIC-20	Octal Buffer/Line Driver	.81	.67	.48
♦	512—74AC541SJ	SOP-20	Octal Buffer/Line Driver	.81	.67	.48
♦	512—74AC573MTC	TSSOP-20	Octal Latch	.81	.67	.48

♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
	512—74AC573PC	DIP-20	Octal Latch	1.26	1.05	.75
♦	512—74AC573SC	SOIC(W)-20	Octal Latch	.81	.67	.48
♦	512—74AC573SJ	SOP-20	Octal Latch	.81	.67	.48
	512—74AC574PC	DIP-20	Octal D-Type Flip-Flop	.91	.76	.54
♦	512—74AC574SC	SOIC(W)-20	Octal D-Type Flip-Flop	.81	.67	.48
♦	512—74AC574SJ	SOP-20	Octal D-Type Flip-Flop	.81	.67	.48
♦	512—74AC74MTC	TSSOP-14	Dual D-Type Triggered Flip-Flop	.35	.29	.21
	512—74AC74PC	DIP-14	Dual D-Type Triggered Flip-Flop	.50	.42	.30
♦	512—74AC74SC	SOIC-14	Dual D-Type Triggered Flip-Flop	.33	.27	.20
♦	512—74AC74SJ	SOP-14	Dual D-Type Triggered Flip-Flop	.35	.29	.21
	512—74AC821SPC	DIP-24	10-Bit D-Type Flip-Flop	4.03	3.36	2.40
♦	512—74AC86MTC	TSSOP-14	Qd 2-Input Exclusive-OR Gate	.35	.29	.21
	512—74AC86PC	DIP-14	Qd 2-Input Exclusive-OR Gate	.50	.42	.30
♦	512—74AC86SC	SOIC-14	Qd 2-Input Exclusive-OR Gate	.33	.27	.20
♦	512—74AC86SJ	SOP-14	Qd 2-Input Exclusive-OR Gate	.35	.29	.21
74ACQ Series						
	512—74ACQ240PC	DIP-20	Octal Buffer/Line Driver	3.15	2.63	1.87
♦	512—74ACQ240SJ	SOP-20	Octal Buffer/Line Driver	3.90	3.25	2.33
	512—74ACQ241PC	DIP-20	Octal Buffer/Line Driver	3.15	2.63	1.87
	512—74ACQ244PC	DIP-20	Octal Buffer/Line Driver	3.15	2.63	1.87
♦	512—74ACQ244SJ	SOP-20	Octal Buffer/Line Driver	3.90	3.25	2.33
	512—74ACQ245PC	DIP-20	Octal Bidirectional Transceiver	3.15	2.63	1.87
♦	512—74ACQ245SJ	SOP-20	Octal Bidirectional Transceiver	3.90	3.25	2.33
	512—74ACQ373PC	DIP-20	Octal Transparent Latch	3.15	2.63	1.87
♦	512—74ACQ373SJ	SOP-20	Octal Transparent Latch	3.90	3.25	2.33
	512—74ACQ374PC	DIP-20	Octal D Flip-Flop	3.15	2.63	1.87
♦	512—74ACQ374SJ	SOP-20	Octal D Flip-Flop	3.90	3.25	2.33
	512—74ACQ573PC	DIP-20	Octal Latch	3.15	2.63	1.87
♦	512—74ACQ573SJ	SOP-20	Octal Latch	3.90	3.25	2.33
	512—74ACQ574PC	DIP-20	Octal D Flip-Flop	3.15	2.63	1.87
♦	512—74ACQ574SJ	SOP-20	Octal D Flip-Flop	3.90	3.25	2.33
74ACT Series						
♦	512—74ACT00MTC	TSSOP-14	Quad 2-Input NAND Gate	.33	.27	.20
	512—74ACT00PC	DIP-14	Quad 2-Input NAND Gate	.45	.38	.27
♦	512—74ACT00SC	SOIC-14	Quad 2-Input NAND Gate	.33	.27	.20
♦	512—74ACT00SJ	SOP-14	Quad 2-Input NAND Gate	.33	.27	.20
♦	512—74ACT02MTC	TSSOP-14	Quad 2-Input NOR Gate	.33	.27	.20
	512—74ACT02PC	DIP-14	Quad 2-Input NOR Gate	.45	.38	.27
♦	512—74ACT02SC	SOIC-14	Quad 2-Input NOR Gate	.33	.27	.20
♦	512—74ACT04MTC	TSSOP-14	Hex Inverter	.33	.27	.20
	512—74ACT04PC	DIP-14	Hex Inverter	.50	.42	.30
♦	512—74ACT04SC	SOIC-14	Hex Inverter	.33	.27	.20
♦	512—74ACT08MTC	TSSOP-14	Quad 2-Input AND Gate	.33	.27	.20
♦	512—74ACT08PC	DIP-14	Quad 2-Input AND Gate	.45	.38	.27
♦	512—74ACT08SC	SOIC-14	Quad 2-Input AND Gate	.33	.27	.20
♦	512—74ACT109MTC	TSSOP-16	Dual JK Triggered Flip-Flop	.40	.34	.24
	512—74ACT109PC	DIP-16	Dual JK Triggered Flip-Flop	.58	.48	.35
♦	512—74ACT109SC	SOIC-16	Dual JK Triggered Flip-Flop	.40	.34	.24
♦	512—74ACT10MTC	TSSOP-14	Triple 3-Input NAND Gate	.33	.27	.20
	512—74ACT10PC	DIP-14	Triple 3-Input NAND Gate	.45	.38	.27
♦	512—74ACT10SC	SOIC-14	Triple 3-Input NAND Gate	.33	.27	.20
♦	512—74ACT125MTC	TSSOP-14	Quad Buffer	.40	.34	.24
	512—74ACT125PC	DIP-14	Quad Buffer	.58	.48	.35
♦	512—74ACT125SC	SOIC-14	Quad Buffer	.40	.34	.24
♦	512—74ACT125SJ	SOP-14	Quad Buffer	.40	.34	.24
♦	512—74ACT1284MSA	SSOP-20	IEEE1284 Transceiver	1.88	1.63	1.27
♦	512—74ACT1284SC	SOIC(W)-20	IEEE1284 Transceiver	1.55	1.30	.94
	512—74ACT138PC	DIP-16	1-of-8 Decoder/Demultiplexer	.61	.51	.36
♦	512—74ACT138SC	SOIC-16	1-of-8 Decoder/Demultiplexer	.48	.40	.29
♦	512—74ACT138SJ	SOP-16	1-of-8 Decoder/Demultiplexer	.48	.40	.29
♦	512—74ACT139MTC	TSSOP-16	Dl 1-of-4 Decoder/Demultiplexer	.48	.40	.29
	512—74ACT139PC	DIP-16	Dl 1-of-4 Decoder/Demultiplexer	.61	.51	.36
♦	512—74ACT139SC	SOIC-16	Dl 1-of-4 Decoder/Demultiplexer	.48	.40	.29
♦	512—74ACT139SJ	SOP-16	Dl 1-of-4 Decoder/Demultiplexer	.48	.40	.29
♦	512—74ACT14MTC	TSSOP-14	Hex Inv Schmitt Trigger Input	.35	.29	.21
	512—74ACT14PC	DIP-14	Hex Inv Schmitt Trigger Input	.50	.42	.30
♦	512—74ACT14SC	SOIC-14	Hex Inv Schmitt Trigger Input	.35	.29	.21
♦	512—74ACT151MTC	TSSOP-16	8-Input Multiplexer	.48	.40	.29
	512—74ACT151PC	DIP-16	8-Input Multiplexer	.61	.51	.36
♦	512—74ACT151SC	SOIC-16	8-Input Multiplexer	.48	.40	.29
♦	512—74ACT151SJ	SOP-16	8-Input Multiplexer	.48	.40	.29
♦	512—74ACT153MTC	TSSOP-16	Dual 4-Input Multiplexer	.48	.40	.29
♦	512—74ACT153SC	SOIC-16	Dual 4-Input Multiplexer	.48	.40	.29
♦	512—74ACT157MTC	TSSOP-16	Quad 2-Input Multiplexer	.48	.40	.29
	512—74ACT157PC	DIP-16	Quad 2-Input Multiplexer	.61	.51	.36
♦	512—74ACT157SC	SOIC-16	Quad 2-Input Multiplexer	.48	.40	.29
♦	512—74ACT157SJ	SOP-16	Quad 2-Input Multiplexer	.48	.40	.29
♦	512—74ACT158MTC	TSSOP-16	Quad 2-Input Multiplexer	.48	.40	.29
	512—74ACT158PC	DIP-16	Quad 2-Input Multiplexer	.61	.51	.36
♦	512—74ACT158SC	SOIC-16	Quad 2-Input Multiplexer	.48	.40	.29
♦	512—74ACT158SJ	SOP-16	Quad 2-Input Multiplexer	.48	.40	.29
♦	512—74ACT161MTC	TSSOP-16	Synchronous Binary Counter	.50	.42	.30
	512—74ACT161PC	DIP-16	Synchronous Binary Counter	.66	.55	.39
♦	512—74ACT161SC	SOIC-16	Synchronous Binary Counter	.50	.42	.30
♦	512—74ACT161SJ	SOP-16	Synchronous Binary Counter	.50	.42	.30
♦	512—74ACT16240MTD	TSSOP-48	16-Bit Inverting Buffer/Driver	2.65	2.22	1.57
♦	512—74ACT16240SSC	SSOP-48	16-Bit Inverting Buffer/Driver	2.65	2.22	1.57
♦	512—74ACT16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	2.65	2.22	1.57

urface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	Description	Price Each 1	25	100
ACT Series (cont.)					
2—74ACT16244SSC	SSOP-48	16-Bit Buffer/Line Driver	2.65	2.22	1.57
2—74ACT16245MTD	TSSOP-48	16-Bit Transceiver	2.65	2.22	1.57
2—74ACT16245SSC	SSOP-48	16-Bit Transceiver	2.65	2.22	1.57
2—74ACT16373MTD	TSSOP-48	16-Bit Transparent Latch	2.65	2.22	1.57
2—74ACT16373SSC	SSOP-48	16-Bit Transparent Latch	2.65	2.22	1.57
2—74ACT16374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	2.65	2.22	1.57
2—74ACT16374SSC	SSOP-48	16-Bit D-Type Flip-Flop	2.65	2.22	1.57
2—74ACT163MTC	TSSOP-16	Synchronous Binary Counter	.50	.42	.30
2—74ACT163PC	DIP-16	Synchronous Binary Counter	.65	.55	.39
2—74ACT163SC	SOIC-16	Synchronous Binary Counter	.50	.42	.30
2—74ACT163SJ	SOP-16	Synchronous Binary Counter	.50	.42	.30
2—74ACT16540MTD	TSSOP-48	16-Bit Inverting Buffer/Driver	2.86	2.45	1.88
2—74ACT16540SSC	SSOP-48	16-Bit Inverting Buffer/Driver	2.86	2.45	1.88
2—74ACT16541MTD	TSSOP-48	16-Bit Buffer/Line Driver	2.86	2.45	1.88
2—74ACT16541SSC	SSOP-48	16-Bit Buffer/Line Driver	2.86	2.45	1.88
2—74ACT16543MTD	TSSOP-56	16-Bit Registered Transceiver	3.63	3.02	2.16
2—74ACT16543SSC	SSOP-56	16-Bit Registered Transceiver	3.63	3.02	2.16
2—74ACT16646MTD	TSSOP-56	16-Bit Transceiver/Register	3.63	3.02	2.16
2—74ACT16646SSC	SSOP-56	16-Bit Transceiver/Register	3.63	3.02	2.16
2—74ACT174MTC	TSSOP-16	Hex D Flip-Flop	.50	.42	.30
2—74ACT174PC	DIP-16	Hex D Flip-Flop	.66	.55	.39
2—74ACT174SC	SOIC-16	Hex D Flip-Flop	.50	.42	.30
2—74ACT174SJ	SOP-16	Hex D Flip-Flop	.50	.42	.30
2—74ACT175MTC	TSSOP-16	Quad D-Type Flip-Flop	.50	.42	.30
2—74ACT175PC	DIP-16	Quad D-Type Flip-Flop	.66	.55	.39
2—74ACT175SC	SOIC-16	Quad D-Type Flip-Flop	.50	.42	.30
2—74ACT175SJ	SOP-16	Quad D-Type Flip-Flop	.50	.42	.30
2—74ACT18823MTD	TSSOP-56	18-Bit D-Type Flip-Flop	5.49	4.65	3.45
2—74ACT18823SSC	SSOP-56	18-Bit D-Type Flip-Flop	5.49	4.65	3.45
2—74ACT18825MTD	TSSOP-56	18-Bit Buffer/Line Driver	5.49	4.65	3.45
2—74ACT18825SSC	SSOP-56	18-Bit Buffer/Line Driver	5.49	4.65	3.45
2—74ACT240MTC	TSSOP-20	Octal Buffer/Line Driver	.53	.44	.32
2—74ACT240PC	DIP-20	Octal Buffer/Line Driver	.66	.55	.39
2—74ACT240SC	SOIC(W)-20	Octal Buffer/Line Driver	.53	.44	.32
2—74ACT240SJ	SOP-20	Octal Buffer/Line Driver	.53	.44	.32
2—74ACT241MTC	TSSOP-20	Octal Buffer/Line Driver	.53	.44	.32
2—74ACT241PC	DIP-20	Octal Buffer/Line Driver	.66	.55	.39
2—74ACT241SC	SOIC(W)-20	Octal Buffer/Line Driver	.53	.44	.32
2—74ACT241SJ	SOP-20	Octal Buffer/Line Driver	.53	.44	.32
2—74ACT244MSA	SSOP-20	Octal Buffer/Line Driver	1.23	1.03	.74
2—74ACT244MTC	TSSOP-20	Octal Buffer/Line Driver	.53	.44	.32
2—74ACT244PC	DIP-20	Octal Buffer/Line Driver	.66	.55	.39
2—74ACT244SC	SOIC-20	Octal Buffer/Line Driver	.53	.44	.32
2—74ACT244SJ	SOP-20	Octal Buffer/Line Driver	.53	.44	.32
2—74ACT245MSA	SSOP-20	Octal Bidirectional Transceiver	1.22	1.01	.73
2—74ACT245MTC	TSSOP-20	Octal Bidirectional Transceiver	.53	.44	.32
2—74ACT245PC	DIP-20	Octal Bidirectional Transceiver	.66	.55	.39
2—74ACT245SC	SOIC-20	Octal Bidirectional Transceiver	.53	.44	.32
2—74ACT245SJ	SOP-20	Octal Bidirectional Transceiver	.53	.44	.32
2—74ACT251MTC	TSSOP-16	8-Input Multiplexer	.48	.40	.29
2—74ACT251PC	DIP-16	8-Input Multiplexer	.65	.55	.38
2—74ACT251SC	SOIC-16	8-Input Multiplexer	.45	.38	.27
2—74ACT253MTC	TSSOP-16	Dual 4-Input Multiplexer	.48	.40	.29
2—74ACT253PC	DIP-16	Dual 4-Input Multiplexer	.61	.51	.36
2—74ACT253SC	SOIC-16	Dual 4-Input Multiplexer	.45	.38	.27
2—74ACT253SJ	SOP-16	Dual 4-Input Multiplexer	.48	.40	.29
2—74ACT257MTC	TSSOP-16	Quad 2-Input Multiplexer	.48	.40	.29
2—74ACT257PC	DIP-16	Quad 2-Input Multiplexer	.61	.51	.36
2—74ACT257SC	SOIC-16	Quad 2-Input Multiplexer	.48	.40	.29
2—74ACT257SJ	SOP-16	Quad 2-Input Multiplexer	.48	.40	.29
2—74ACT258PC	DIP-16	Quad 2-Input Multiplexer	.55	.46	.33
2—74ACT258SC	SOIC-16	Quad 2-Input Multiplexer	.48	.40	.29
2—74ACT258SJ	SOP-16	Quad 2-Input Multiplexer	.48	.40	.29
2—74ACT273MTC	TSSOP-20	Octal D-Type Flip-Flop	.53	.44	.32
2—74ACT273PC	DIP-20	Octal D-Type Flip-Flop	.96	.80	.57
2—74ACT273SC	SOIC(W)-20	Octal D-Type Flip-Flop	.53	.44	.32
2—74ACT273SJ	SOP-20	Octal D-Type Flip-Flop	.53	.44	.32
2—74ACT299PC	DIP-20	8-Input Universal Shift/Rgstr	2.65	2.22	1.59
2—74ACT323PC	DIP-20	8-Bit Universal Shift/Rgstr	4.27	3.56	2.54
2—74ACT32MTC	TSSOP-14	Quad 2-Input OR Gate	.33	.27	.20
2—74ACT32PC	DIP-14	Quad 2-Input OR Gate	.40	.34	.24
2—74ACT32SC	SOIC-14	Quad 2-Input OR Gate	.33	.27	.20
2—74ACT373MSA	SSOP-20	Octal Transparent Latch	1.12	.93	.66
2—74ACT373MTC	TSSOP-20	Octal Transparent Latch	.53	.44	.32
2—74ACT373PC	DIP-20	Octal Transparent Latch	.66	.55	.39
2—74ACT373SC	SOIC(W)-20	Octal Transparent Latch	.53	.44	.32
2—74ACT373SJ	SOP-20	Octal Transparent Latch	.53	.44	.32
2—74ACT374MSA	SSOP-20	Octal D Flip-Flop	1.26	1.05	.75
2—74ACT374MTC	TSSOP-20	Octal D Flip-Flop	.53	.44	.32
2—74ACT374PC	DIP-20	Octal D Flip-Flop	.66	.55	.39
2—74ACT374SC	SOIC(W)-20	Octal D Flip-Flop	.53	.44	.32
2—74ACT374SJ	SOP-20	Octal D Flip-Flop	.53	.44	.32
2—74ACT377MTC	TSSOP-20	Octal D-Type Flip-Flop	.53	.44	.32
2—74ACT377PC	DIP-20	Octal D-Type Flip-Flop	.66	.55	.39
2—74ACT377SC	SOIC(W)-20	Octal D-Type Flip-Flop	.53	.44	.32
2—74ACT377SJ	SOP-20	Octal D-Type Flip-Flop	.53	.44	.32
2—74ACT399PC	DIP-16	Quad 2-Port Register	1.70	1.43	1.03

♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	Description	Price Each 1	25	100
♦512—74ACT399SC	SOIC-16	Quad 2-Port Register	1.70	1.43	1.03
♦512—74ACT399SJ	SOP-16	Quad 2-Port Register	1.71	1.43	1.02
512—74ACT520PC	DIP-20	8-Bit Identity Comparator	.91	.76	.54
♦512—74ACT520SC	SOIC(W)-20	8-Bit Identity Comparator	.81	.67	.48
♦512—74ACT520SJ	SOP-20	8-Bit Identity Comparator	.81	.67	.48
512—74ACT521PC	DIP-20	8-Bit Identity Comparator	.91	.76	.54
♦512—74ACT521SC	SOIC(W)-20	8-Bit Identity Comparator	.81	.67	.48
♦512—74ACT521SJ	SOP-20	8-Bit Identity Comparator	.81	.67	.48
512—74ACT533PC	DIP-20	Octal Transparent Latch	1.26	1.05	.75
♦512—74ACT533SC	SOIC(W)-20	Octal Transparent Latch	.81	.67	.48
512—74ACT534PC	DIP-20	Octal D Flip-Flop	.91	.76	.54
♦512—74ACT534SC	SOIC(W)-20	Octal D Flip-Flop	.81	.67	.48
♦512—74ACT534SJ	SOP-20	Octal D Flip-Flop	.81	.67	.48
512—74ACT541PC	DIP-20	Octal Buffer/Line Driver	.91	.76	.54
♦512—74ACT541SC	SOIC(W)-20	Octal Buffer/Line Driver	.81	.67	.48
512—74ACT563PC	DIP-20	Octal Latch	.91	.76	.54
♦512—74ACT563SC	SOIC(W)-20	Octal Latch	.81	.67	.48
♦512—74ACT573MTC	TSSOP-20	Octal Latch	.81	.67	.48
512—74ACT573PC	DIP-20	Octal Latch	.91	.76	.54
♦512—74ACT573SC	SOIC(W)-20	Octal Latch	.81	.67	.48
♦512—74ACT573SJ	SOP-20	Octal Latch	.81	.67	.48
♦512—74ACT574MTC	TSSOP-20	Octal D-Type Flip-Flop	.81	.67	.48
512—74ACT574PC	DIP-20	Octal D-Type Flip-Flop	.91	.75	.54
♦512—74ACT574SC	SOIC(W)-20	Octal D-Type Flip-Flop	.81	.67	.48
♦512—74ACT574SJ	SOP-20	Octal D-Type Flip-Flop	.81	.67	.48
512—74ACT715PC	DIP-20	Prog Video Synchronous Gen	18.92	15.77	11.26
♦512—74ACT715SC	SOIC-20	Prog Video Synchronous Gen	18.77	15.64	11.17
♦512—74ACT74MTC	TSSOP-14	Quad D-Type Flip-Flop	.35	.29	.21
512—74ACT74PC	DIP-14	Quad D-Type Flip-Flop	.50	.42	.30
♦512—74ACT74SC	SOIC-14	Quad D-Type Flip-Flop	.35	.29	.21
♦512—74ACT74SJ	SOP-14	Quad D-Type Flip-Flop	.35	.29	.21
512—74ACT821SPC	DIP-24	10-Bit D-Type Flip-Flop	4.03	3.36	2.40
♦512—74ACT899QC	PLCC-28	9-Bit Latchable Transceiver	15.87	13.23	9.44
74ACTQ Series					
512—74ACTQ00PC	DIP-14	Quad 2-Input NAND Gate	1.40	1.17	.83
♦512—74ACTQ00SC	SOIC-14	Quad 2-Input NAND Gate	1.40	1.17	.83
512—74ACTQ02PC	DIP-14	Quad 2-Input NOR Gate	1.40	1.17	.83
♦512—74ACTQ02SC	SOIC-14	Quad 2-Input NOR Gate	1.40	1.17	.83
♦512—74ACTQ02SJ	SOP-14	Quad 2-Input NOR Gate	1.91	1.58	1.14
♦512—74ACTQ04MTC	TSSOP-14	Quiet Series Hex Inverter	1.40	1.17	.83
512—74ACTQ04PC	DIP-14	Quiet Series Hex Inverter	1.40	1.17	.83
♦512—74ACTQ04SC	SOIC-14	Quiet Series Hex Inverter	1.40	1.17	.83
♦512—74ACTQ04SJ	SOP-14	Quiet Series Hex Inverter	1.91	1.58	1.14
512—74ACTQ08PC	DIP-14	Quad 2-Input AND Gate	1.40	1.17	.83
♦512—74ACTQ08SC	SOIC-14	Quad 2-Input AND Gate	1.40	1.17	.83
♦512—74ACTQ08SJ	SOP-14	Quad 2-Input AND Gate	1.91	1.58	1.14
512—74ACTQ10PC	DIP-14	Triple 3-Input NAND Gate	1.40	1.17	.83
♦512—74ACTQ10SC	SOIC-14	Triple 3-Input NAND Gate	1.40	1.17	.83
♦512—74ACTQ14MTC	TSSOP-14	Hex Inverter Trigger Input	1.40	1.17	.83
512—74ACTQ14PC	DIP-14	Hex Inv Schmitt Trigger Input	1.40	1.17	.83
♦512—74ACTQ14SC	SOIC-14	Hex Inv Schmitt Trigger Input	1.40	1.17	.83
512—74ACTQ153PC	DIP-16	Dual 4-Input Multiplexer	2.31	1.92	1.38
♦512—74ACTQ16240MTD	TSSOP-48	16-Bit Inverting Buffer/Line Driver	7.51	6.26	4.47
♦512—74ACTQ16240SSC	SSOP-48	16-Bit Inverting Buffer/Line Driver	7.51	6.26	4.47
♦512—74ACTQ16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	7.51	6.26	4.47
♦512—74ACTQ16244SSC	SSOP-48	16-Bit Buffer/Line Driver	7.51	6.26	4.47
♦512—74ACTQ16245MTD	TSSOP-48	16-Bit Transceiver	7.51	6.26	4.47
♦512—74ACTQ16245SSC	SSOP-48	16-Bit Transceiver	7.51	6.26	4.47
♦512—74ACTQ16373MTD	TSSOP-48	16-Bit Transparent Latch	7.51	6.26	4.47
♦512—74ACTQ16373SSC	SSOP-48	16-Bit Transparent Latch	7.51	6.26	4.47
♦512—74ACTQ16374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	7.51	6.26	4.47
♦512—74ACTQ16374SSC	SSOP-48	16-Bit D-Type Flip-Flop	7.51	6.26	4.47
♦512—74ACTQ16540MTD	TSSOP-48	16-Bit Inverting Buffer/Driver	7.51	6.26	4.47
♦512—74ACTQ16540SSC	SSOP-48	16-Bit Inverting Buffer/Driver	7.51	6.26	4.47
♦512—74ACTQ16541MTD	TSSOP-48	16-Bit Buffer/Line Driver	7.51	6.26	4.47
♦512—74ACTQ16541SSC	SSOP-48	16-Bit Buffer/Line Driver	7.51	6.26	4.47
♦512—74ACTQ16543MTD	TSSOP-56	16-Bit Registered Transceiver	19.62	16.35	11.68
♦512—74ACTQ16543SSC	SSOP-56	16-Bit Registered Transceiver	19.62	16.35	11.68
♦512—74ACTQ16646MTD	TSSOP-56	16-Bit Transceiver/Register	25.12	20.94	14.96
♦512—74ACTQ16646SSC	SSOP-56	16-Bit Transceiver/Register	25.12	20.94	14.96
♦512—74ACTQ18823MTD	TSSOP-56	18-Bit D Flip-Flop	21.52	18.37	13.88
♦512—74ACTQ18823SSC	SSOP-56	18-Bit D Flip-Flop	19.62	16.35	11.68
♦512—74ACTQ18825MTD	TSSOP-56	18-Bit Buffer/Line Driver	21.52	18.37	13.88
♦512—74ACTQ18825SSC	SSOP-56	18-Bit Buffer/Line Driver	19.62	16.35	11.68
512—74ACTQ240PC	DIP-20	Octal Buffer/Line Driver	3.15	2.63	1.87
♦512—74ACTQ240QSC	QSOP-20	Octal Buffer/Line Driver	5.51	4.61	3.32
♦512—74ACTQ240SJ	SOP-20	Octal Buffer/Line Driver	3.90	3.25	2.33
♦512—74ACTQ244MSA	SSOP-20	Octal Buffer/Line Driver	3.15	2.63	1.87
512—74ACTQ244PC	DIP-20	Octal Buffer/Line Driver	3.15	2.63	1.87
♦512—74ACTQ244QSC	QSOP-20	Octal Buffer/Line Driver	5.51	4.61	3.32
♦512—74ACTQ244SC	SOIC(W)-20	Octal Buffer/Line Driver	3.15	2.63	1.87
♦512—74ACTQ244SJ	SOP-20	Octal Buffer/Line Driver	3.65	3.04	2.18
♦512—74ACTQ245MSA	SSOP-20	Octal Bidirectional Transceiver	3.15	2.63	1.87
512—74ACTQ245PC	DIP-20	Octal Bidirectional Transceiver	3.15	2.63	1.87
♦512—74ACTQ245QSC	QSOP-20	Octal Bidirectional Transceiver	5.51	4.61	3.32
♦512—74ACTQ245SJ	SOP-20	Octal Bidirectional Transceiver	3.90	3.25	2.33
512—74ACTQ273PC	DIP-20	Octal D Flip-Flop	3.15	2.63	1.87
♦512—74ACTQ273SJ	SOP-20	Octal D Flip-Flop	3.90	3.25	2.33

FAIRCHILD Logic

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◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
74ACTQ Series (cont.)						
512—	74ACTQ32PC	DIP-14	Quad 2-Input OR Gate	1.40	1.17	.83
◆512—	74ACTQ32SC	SOIC-14	Quad 2-Input OR Gate	1.40	1.17	.83
◆512—	74ACTQ32SJ	SOP-14	Quad 2-Input OR Gate	1.91	1.58	1.14
512—	74ACTQ373PC	DIP-20	Octal Transparent Latch	3.15	2.63	1.87
◆512—	74ACTQ373QSC	QSOP-20	Octal Transparent Latch	5.51	4.61	3.32
◆512—	74ACTQ373SC	SOIC(W)-20	Octal Transparent Latch	3.15	2.63	1.87
◆512—	74ACTQ373SJ	SOP-20	Octal Transparent Latch	3.90	3.25	2.33
512—	74ACTQ374PC	DIP-20	Octal D Flip-Flop	3.15	2.63	1.87
◆512—	74ACTQ374QSC	QSOP-20	Octal D Flip-Flop	5.51	4.61	3.32
◆512—	74ACTQ374SJ	SOP-20	Octal D Flip-Flop	3.90	3.25	2.33
◆512—	74ACTQ541MTC	TSSOP-20	Octal Buffer/Line Driver	3.15	2.62	1.87
512—	74ACTQ541PC	DIP-20	Octal Buffer/Line Driver	3.15	2.63	1.87
◆512—	74ACTQ543QSC	QSOP-24	Octal Registered Transceiver	10.58	8.82	6.30
◆512—	74ACTQ544SC	SOIC(W)-24	Octal Registered Transceiver	10.42	8.69	6.21
512—	74ACTQ563PC	DIP-20	Octal Latch	3.15	2.63	1.87
512—	74ACTQ573PC	DIP-20	Octal Latch	3.15	2.63	1.87
◆512—	74ACTQ573QSC	QSOP-24	Octal Latch	5.51	4.61	3.32
◆512—	74ACTQ573SC	SOIC(W)-20	Octal Latch	3.15	2.63	1.87
◆512—	74ACTQ573SJ	SOP-20	Octal Latch	3.18	2.65	1.89
512—	74ACTQ574PC	DIP-20	Octal D Flip-Flop	3.15	2.63	1.87
◆512—	74ACTQ574SJ	SOP-20	Octal D Flip-Flop	3.90	3.25	2.33
512—	74ACTQ74PC	DIP-14	Dual D-Type Flip-Flop	1.40	1.17	.83
◆512—	74ACTQ74SC	SOIC-14	Dual D-Type Flip-Flop	1.40	1.17	.83
◆512—	74ACTQ74SJ	SOP-14	Dual D-Type Flip-Flop	1.91	1.58	1.14
512—	74ACTQ821SPC	DIP-24	10-Bit D-Type Flip-Flop	5.49	4.58	3.27
512—	74ACTQ823SPC	DIP-24	9-Bit D-Type Flip-Flop	5.49	4.58	3.27
◆512—	74ACTQ827SC	SOIC(W)-24	10-Bit Buffer/Line Driver	5.49	4.58	3.27
512—	74ACTQ827SPC	DIP-24	10-Bit Buffer/Line Driver	5.49	4.58	3.27
512—	74ACTQ841SPC	DIP-24	10-Bit Transparent Latch	5.49	4.58	3.27
512—	74ACTQ843SPC	DIP-24	9-Bit Transparent Latch	5.49	4.58	3.27
74ALVC Series						
◆512—	74ALVC00M	SOIC-14	Quad 2-Input NAND Gate	.44	.37	.27
◆512—	74ALVC00MTC	TSSOP-14	Quad 2-Input NAND Gate	.46	.39	.29
◆512—	74ALVC08M	SOIC-14	Quad 2-Input AND Gate	.44	.37	.27
◆512—	74ALVC08MTC	TSSOP-14	Quad 2-Input AND Gate	.46	.39	.29
◆512—	74ALVC162240T	TSSOP-48	16-Bit Inverting Buffer/Driver	2.02	1.68	1.20
◆512—	74ALVC162244T	TSSOP-48	16-Bit Inverting Buffer/Driver	2.02	1.68	1.20
◆512—	74ALVC162245T	TSSOP-48	16-Bit Bidirectional Transceiver	2.02	1.68	1.20
◆512—	74ALVC162373T	TSSOP-48	16-Bit Transparent Latch	2.02	1.68	1.20
◆512—	74ALVC162374T	TSSOP-48	16-Bit D-Type Flip-Flop	2.02	1.68	1.20
◆512—	74ALVC16240MTD	TSSOP-48	16-Bit Inverting Buffer/Driver	1.97	1.64	1.17
◆512—	74ALVC16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.97	1.64	1.17
◆512—	74ALVC16245MTD	TSSOP-48	16-Bit Bidirectional Transceiver	1.97	1.64	1.17
◆512—	74ALVC162601T	TSSOP-56	18-Bit Universal Bus Transceiver	4.28	3.57	2.55
◆512—	74ALVC162827T	TSSOP-56	20-Bit Buffer/Line Driver	4.28	3.57	2.55
◆512—	74ALVC162839T	TSSOP-56	20-Bit Selectable Register/Buffer	3.62	3.12	2.41
◆512—	74ALVC16373MTD	TSSOP-48	16-Bit Transparent Latch	1.97	1.64	1.17
◆512—	74ALVC16374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	1.97	1.64	1.17
◆512—	74ALVC16500MTD	TSSOP-56	18-Bit Universal Bus Transceiver	3.28	2.73	1.95
◆512—	74ALVC16501MTD	TSSOP-56	18-Bit Universal Bus Transceiver	3.28	2.73	1.95
◆512—	74ALVC16601MTD	TSSOP-56	18-Bit Universal Bus Transceiver	3.28	2.73	1.95
◆512—	74ALVC16721MTD	TSSOP-56	20-Bit D-Type Flip-Flop	3.28	2.73	1.95
◆512—	74ALVC16821MTD	TSSOP-56	20-Bit D-Type Flip-Flop	3.02	2.52	1.80
◆512—	74ALVC16827MTD	TSSOP-56	Buffer/Line Driver	3.02	2.52	1.80
◆512—	74ALVC16841MTD	TSSOP-56	Transparent Latch	3.02	2.52	1.80
◆512—	74ALVC245MTC	TSSOP-20	Bidirectional Transceiver	.93	.78	.56
◆512—	74ALVC245WM	SOIC-20	Bidirectional Transceiver	.93	.78	.56
◆512—	74ALVC32M	SOIC-14	Quad 2-Input OR Gate	.45	.38	.27
◆512—	74ALVC32MTC	TSSOP-14	Quad 2-Input OR Gate	.45	.38	.27
◆512—	74ALVCF162835T	TSSOP-56	18-Bit Universal Bus Driver	5.56	4.63	3.31
◆512—	74ALVCH162240T	TSSOP-48	Inverting Buffer/Line Driver	2.02	1.68	1.20
◆512—	74ALVCH162244T	TSSOP-48	Inverting Buffer/Line Driver	2.02	1.68	1.20
◆512—	74ALVCH162373T	TSSOP-48	Transparent Latch	2.02	1.68	1.20
◆512—	74ALVCH162374T	TSSOP-48	D-Type Flip-Flop	2.02	1.68	1.20
◆512—	74ALVCH16240T	TSSOP-48	Inverting Buffer/Line Driver	1.97	1.64	1.17
◆512—	74ALVCH16244T	TSSOP-48	Buffer/Line Driver	1.97	1.64	1.17
◆512—	74ALVCH16373T	TSSOP-48	Transparent Latch	1.97	1.64	1.17
◆512—	74ALVCH16374T	TSSOP-48	D-Type Flip-Flop	1.97	1.64	1.17
◆512—	74ALVCH245MTC	TSSOP-20	Bidirectional Transceiver	.91	.76	.54
◆512—	74ALVCH245WM	SOIC-20	Bidirectional Transceiver	.91	.76	.54
◆512—	74ALVCR162601T	TSSOP-56	18-Bit Universal Bus Transceiver	4.28	3.57	2.55
74F Series						
512—	74F00PC	DIP-14	Quad 2-Input NAND Gate	.35	.29	.21
◆512—	74F00SC	SOIC-14	Quad 2-Input NAND Gate	.33	.27	.20
◆512—	74F00SJ	SOP-14	Quad 2-Input NAND Gate	.40	.34	.24
512—	74F02PC	DIP-14	Quad 2-Input NOR Gate	.35	.29	.23
◆512—	74F02SC	SOIC-14	Quad 2-Input NOR Gate	.33	.27	.20
◆512—	74F02SJ	SOP-14	Quad 2-Input NOR Gate	.40	.34	.24
512—	74F04PC	DIP-14	Hex Inverter	.40	.33	.24
◆512—	74F04SC	SOIC-14	Hex Inverter	.38	.32	.23
◆512—	74F04SJ	SOP-14	Hex Inverter	.50	.42	.30
512—	74F08PC	DIP-14	Quad 2-Input NAND Gate	.35	.29	.23
◆512—	74F08SC	SOIC-14	Quad 2-Input AND Gate	.33	.27	.20
◆512—	74F08SJ	SOP-14	Quad 2-Input AND Gate	.50	.42	.30
◆512—	74F1071MSA	SSOP-20	18-Bit Under/Overshoot Clamp	1.76	1.47	1.05
◆512—	74F1071SC	SOIC(W)-20	18-Bit Under/Overshoot Clamp	1.06	.88	.63
512—	74F109PC	DIP-16	DI JK Edge-Triggered Flip-Flop	.60	.50	.36

◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
◆512—	74F109SC	SOIC-16	DI JK Edge-Triggered Flip-Flop	.48	.40	.29
◆512—	74F109SJ	SOP-16	DI JK Edge-Triggered Flip-Flop	.48	.40	.29
512—	74F10PC	DIP-14	Triple 3-Input NAND Gate	.35	.29	.21
◆512—	74F10SC	SOIC-14	Triple 3-Input NAND Gate	.33	.27	.20
◆512—	74F10SJ	SOP-14	Triple 3-Input NAND Gate	.50	.42	.30
512—	74F112PC	DIP-16	DI JK Edge-Triggered Flip-Flop	.60	.50	.36
◆512—	74F112SC	SOIC-16	DI JK Edge-Triggered Flip-Flop	.48	.40	.29
◆512—	74F112SJ	SOP-16	DI JK Edge-Triggered Flip-Flop	.48	.40	.29
512—	74F11PC	DIP-14	Triple 3-Input AND Gate	.40	.33	.24
◆512—	74F11SC	SOIC-14	Triple 3-Input AND Gate	.33	.27	.20
◆512—	74F11SJ	SOP-14	Triple 3-Input AND Gate	.50	.42	.30
512—	74F125PC	DIP-14	Quad Buffer(3-STATE)	.60	.50	.36
◆512—	74F125SC	SOIC-14	Quad Buffer(3-STATE)	.48	.40	.29
◆512—	74F125SJ	SOP-14	Quad Buffer(3-STATE)	.50	.42	.30
512—	74F132PC	DIP-14	Qd 2-Inp NAND Schmitt Trigger	.60	.50	.36
◆512—	74F132SC	SOIC-14	Qd 2-Inp NAND Schmitt Trigger	.48	.40	.29
◆512—	74F132SJ	SOP-14	Qd 2-Inp NAND Schmitt Trigger	.48	.40	.29
512—	74F138PC	DIP-16	1-of-8 Decoder/Demultiplexer	.66	.55	.39
◆512—	74F138SC	SOIC-16	1-of-8 Decoder/Demultiplexer	.53	.44	.32
◆512—	74F138SJ	SOP-16	1-of-8 Decoder/Demultiplexer	.53	.44	.32
512—	74F139PC	DIP-16	DI 1-to-4 Decoder/Demultiplexer	.66	.55	.39
◆512—	74F139SC	SOIC-16	DI 1-to-4 Decoder/Demultiplexer	.53	.44	.32
◆512—	74F139SJ	SOP-16	DI 1-to-4 Decoder/Demultiplexer	.53	.44	.32
512—	74F148PC	DIP-16	8-Line to 3-Line Pri Encoder	.66	.55	.39
◆512—	74F148SC	SOIC-16	8-Line to 3-Line Pri Encoder	.53	.44	.32
◆512—	74F148SJ	SOP-16	8-Line to 3-Line Pri Encoder	.53	.44	.32
512—	74F14PC	DIP-14	Hex Inverting Schmitt Trigger	.48	.41	.30
◆512—	74F14SC	SOIC-14	Hex Inverting Schmitt Trigger	.43	.36	.26
◆512—	74F14SJ	SOP-14	Hex Inverting Schmitt Trigger	.50	.42	.30
512—	74F151APC	DIP-16	8-Input Multiplexer	.66	.55	.39
◆512—	74F151ASC	SOIC-16	8-Input Multiplexer	.53	.44	.32
◆512—	74F151ASJ	SOP-16	8-Input Multiplexer	.53	.44	.32
512—	74F153PC	DIP-16	Dual 4-Input Multiplexer	.66	.55	.39
◆512—	74F153SC	SOIC-16	Dual 4-Input Multiplexer	.53	.44	.32
◆512—	74F153SJ	SOP-16	Dual 4-Input Multiplexer	.53	.44	.32
512—	74F157APC	DIP-16	Quad 2-Input Multiplexer	.66	.55	.39
◆512—	74F157ASC	SOIC-16	Quad 2-Input Multiplexer	.53	.44	.32
◆512—	74F157ASJ	SOP-16	Quad 2-Input Multiplexer	.60	.50	.36
512—	74F161APC	DIP-16	Synch 4-Bit Binary Counter	.71	.59	.42
◆512—	74F161ASC	SOIC-16	Synch 4-Bit Binary Counter	.63	.53	.38
◆512—	74F161ASJ	SOP-16	Synch 4-Bit Binary Counter	.63	.53	.38
512—	74F163APC	DIP-16	Synch 4-Bit Binary Counter	.71	.59	.42
◆512—	74F163ASC	SOIC-16	Synch 4-Bit Binary Counter	.63	.53	.38
◆512—	74F163ASJ	SOP-16	Synch 4-Bit Binary Counter	.63	.53	.38
512—	74F164APC	DIP-14	Serial-In Parallel-Out Shift Reg	.71	.59	.42
◆512—	74F164ASC	SOIC-14	Serial-In Parallel-Out Shift Reg	.60	.50	.36
◆512—	74F164ASJ	SOP-14	Serial-In Parallel-Out Shift Reg	.63	.53	.38
512—	74F169PC	DIP-16	4-State Synch Bidirectional Ctr	.71	.59	.42
◆512—	74F169SC	SOIC-16	4-State Synch Bidirectional Ctr	.63	.53	.38
◆512—	74F169SJ	SOP-16	4-State Synch Bidirectional Ctr	.63	.53	.38
512—	74F174PC	DIP-16	Hex D-Type Flip-Flop	.71	.59	.42
◆512—	74F174SC	SOIC-16	Hex D-Type Flip-Flop	.63	.53	.38
◆512—	74F174SJ	SOP-16	Hex D-Type Flip-Flop	.63	.53	.38
512—	74F175PC	DIP-16	Quad D-Type Flip-Flop	.71	.59	.42
◆512—	74F175SC	SOIC-16	Quad D-Type Flip-Flop	.63	.53	.38
◆512—	74F175SJ	SOP-16	Quad D-Type Flip-Flop	.63	.53	.38
512—	74F191PC	DIP-16	Up/Down Binary Counter	2.50	2.09	1.50
◆512—	74F191SJ	SOP-16	Up/Down Binary Counter	2.52	2.10	1.50
512—	74F193PC	DIP-16	Up/Down Binary Counter	2.25	1.87	1.34
◆512—	74F193SJ	SOP-16	Up/Down Binary Counter	2.47	2.05	1.46
512—	74F20PC	DIP-14	Dual 4-Input NAND Gate	.35	.29	.21
◆512—	74F20SC	SOIC-14	Dual 4-Input NAND Gate	.28	.23	.17
◆512—	74F20SJ	SOP-14	Dual 4-Input NAND Gate	.50	.42	.30
512—	74F240PC	DIP-20	Octal Buffer/Line Driver	.76	.62	.44
◆512—	74F240SC	SOIC-20	Octal Buffer/Line Driver	.71	.59	.42
◆512—	74F240SJ	SOP-20	Octal Buffer/Line Driver	.76	.63	.45
◆512—	74F244MSA	SSOP-20	Octal Buffer/Line Driver	.99	.84	.63
512—	74F244PC	DIP-20	Octal Buffer/Line Driver	.86	.71	.51
◆512—	74F244SC	SOIC-20	Octal Buffer/Line Driver	.66	.55	.39
◆512—	74F244SJ	SOP-20	Octal Buffer/Line Driver	.76	.63	.45
◆512—	74F245MSA	SSOP-20	Octal Bidirectional Transceiver	.99	.84	.63
◆512—	74F245MTC	TSSOP-20	Octal Bidirectional Transceiver	.66	.55	.39
512—	74F245PC	DIP-20	Octal Bidirectional Transceiver	.65	.54	.40
◆512—	74F245SC	SOIC-20	Octal Bidirectional Transceiver	.66	.55	.39
◆512—	74F245SJ	SOP-20	Octal Bidirectional Transceiver	.66	.55	.39
512—	74F251APC	DIP-16	8-Input Multiplexer	.65	.54	.39
◆512—	74F251ASC	SOIC-16	8-Input Multiplexer	.53	.44	.32
◆512—	74F251ASJ	SOP-16	8-Input Multiplexer	.53	.44	.32
512—	74F253PC	DIP-16	Dual 4-Bit Multiplexer	.66	.55	.39
◆512—	74F253SC	SOIC-16	Dual 4-Bit Multiplexer	.53	.44	.32
◆512—	74F253SJ	SOP-16	Dual 4-Bit Multiplexer	.53	.44	.32
512—	74F257APC	DIP-16	Quad 2-Input Multiplexer	.66	.55	.39
◆512—	74F257ASC	SOIC-16	Quad 2-Input Multiplexer	.53	.44	.32
◆512—	74F257ASJ	SOP-16	Quad 2-Input Multiplexer	.53	.44	.32
512—	74F269SPC	DIP-24	8-Bit Bidirectional Binary Ctr	3.31	2.76	1.98
512—	74F273PC	DIP-20	Octal D-Type Flip-Flop	.86	.71	.51
◆512—	74F273SC	SOIC(W)-20	Octal D-Type Flip-Flop	.66	.55	.39
◆512—	74F273SJ	SOP-20	Octal D-Type Flip-Flop	.66	.55	.39

MOUSER ELECTRONICS a tti company

Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
74F Series (cont.)						
512—	74F280PC	DIP-14	9-Bit Parity Generator/Checker	.71	.59	.42
512—	74F280SC	SOIC-14	9-Bit Parity Generator/Checker	.71	.59	.42
512—	74F280SJ	SOP-14	9-Bit Parity Generator/Checker	.71	.59	.42
512—	74F32PC	DIP-14	Quad 2-Input OR Gate	.42	.35	.25
512—	74F32SC	SOIC-14	Quad 2-Input OR Gate	.28	.23	.17
512—	74F32SJ	SOP-14	Quad 2-Input OR Gate	.50	.42	.30
512—	74F373MSA	SSOP-20	Octal Transparent Latch	1.17	.98	.71
512—	74F373PC	DIP-20	Octal Transparent Latch	.86	.71	.51
512—	74F373SC	SOIC(W)-20	Octal Transparent Latch	.66	.55	.39
512—	74F373SJ	SOP-20	Octal Transparent Latch	.66	.55	.39
512—	74F374MSA	SSOP-20	Octal D-Type Flip-Flop	1.17	.98	.71
512—	74F374PC	DIP-20	Octal D-Type Flip-Flop	.86	.71	.51
512—	74F374SC	SOIC(W)-20	Octal D-Type Flip-Flop	.66	.55	.39
512—	74F374SJ	SOP-20	Octal D-Type Flip-Flop	.66	.55	.39
512—	74F377PC	DIP-20	Quad 2-Input NAND Buffer	.86	.71	.51
512—	74F377SC	SOIC-20	Quad 2-Input NAND Buffer	.66	.55	.39
512—	74F377SJ	SOP-20	Quad 2-Input NAND Buffer	.66	.55	.39
512—	74F379PC	DIP-16	Quad Parallel Register	1.11	.92	.65
512—	74F379SC	SOIC-16	Quad Parallel Register	1.01	.84	.60
512—	74F379SJ	SOP-16	Quad Parallel Register	1.01	.84	.60
512—	74F38PC	DIP-14	Quad 2-Input NAND Buffer	.50	.42	.30
512—	74F38SC	SOIC-14	Quad 2-Input NAND Buffer	.46	.37	.28
512—	74F38SJ	SOP-14	Quad 2-Input NAND Buffer	.50	.42	.30
512—	74F399PC	DIP-16	Quad 2-Port Register	1.01	.84	.60
512—	74F399SC	SOIC-16	Quad 2-Port Register	1.01	.84	.60
512—	74F399SJ	SOP-16	Quad 2-Port Register	1.01	.84	.60
512—	74F521MSA	SSOP-20	8-Bit Identity Comparator	1.13	.95	.69
512—	74F521PC	DIP-20	8-Bit Identity Comparator	1.16	.97	.69
512—	74F521SC	SOIC(W)-20	8-Bit Identity Comparator	1.16	.97	.69
512—	74F521SJ	SOP-20	8-Bit Identity Comparator	1.16	.97	.69
512—	74F533PC	DIP-20	Octal Transparent Latch	1.16	.97	.69
512—	74F533SC	SOIC(W)-20	Octal Transparent Latch	1.16	.97	.69
512—	74F533SJ	SOP-20	Octal Transparent Latch	1.16	.97	.69
512—	74F534PC	DIP-20	Octal D-Type Flip-Flop	1.16	.97	.69
512—	74F534SC	SOIC(W)-20	Octal D-Type Flip-Flop	1.16	.97	.69
512—	74F534SJ	SOP-20	Octal D-Type Flip-Flop	1.16	.97	.69
512—	74F540PC	DIP-20	Octal Buffer/Line Driver	1.16	.97	.69
512—	74F540SC	SOIC(W)-20	Octal Buffer/Line Driver	1.16	.97	.69
512—	74F540SJ	SOP-20	Octal Buffer/Line Driver	1.16	.97	.69
512—	74F541PC	DIP-20	Octal Buffer/Line Driver	1.16	.97	.69
512—	74F541SC	SOIC(W)-20	Octal Buffer/Line Driver	1.16	.97	.69
512—	74F541SJ	SOP-20	Octal Buffer/Line Driver	1.16	.97	.69
512—	74F543MSA	SSOP-24	Octal Registered Transceiver	1.97	1.63	1.17
512—	74F543PC	DIP-24	Octal Registered Transceiver	2.02	1.68	1.20
512—	74F543SC	SOIC(W)-24	Octal Registered Transceiver	2.02	1.68	1.20
512—	74F543SPC	DIP-24	Octal Registered Transceiver	2.02	1.68	1.20
512—	74F564SJ	SOP-20	Octal D-Type Flip-Flop	2.12	1.76	1.26
512—	74F573PC	DIP-20	Octal D-Type Latch	1.16	.97	.69
512—	74F573SC	SOIC(W)-20	Octal D-Type Latch	1.16	.97	.69
512—	74F573SJ	SOP-20	Octal D-Type Latch	1.16	.97	.69
512—	74F574PC	DIP-20	Octal D-Type Flip-Flop	1.16	.97	.69
512—	74F574SC	SOIC(W)-20	Octal D-Type Flip-Flop	1.16	.97	.69
512—	74F574SJ	SOP-20	Octal D-Type Flip-Flop	1.16	.97	.69
512—	74F579PC	DIP-20	8-Bit Bidirectional Binary Ctr	3.93	3.28	2.34
512—	74F579SJ	SOP-20	8-Bit Bidirectional Binary Ctr	3.93	3.28	2.34
512—	74F646MSA	SSOP-24	Octal Bus Transceiver/Register	3.28	2.73	1.95
512—	74F646SPC	DIP-24	Octal Bus Transceiver/Register	3.28	2.73	1.95
512—	74F652SPC	DIP-24	Transceiver/Register	3.28	2.73	1.95
512—	74F673APC	DIP-24	16-Bit Shift Register	24.45	20.38	14.56
512—	74F675APC	DIP-24	16-Bit Shift Register	20.32	16.93	12.10
512—	74F676PC	DIP-24	16-Bit Shift Register	8.97	7.48	5.34
512—	74F676SPC	DIP-24	16-Bit Shift Register	8.97	7.48	5.34
512—	74F74PC	DIP-14	Dual D-Type Flip-Flop	.50	.42	.30
512—	74F74SC	SOIC-14	Dual D-Type Flip-Flop	.38	.32	.23
512—	74F74SJ	SOP-14	Dual D-Type Flip-Flop	.50	.42	.30
512—	74F821SPC	DIP-24	10-Bit D-Type Flip-Flop	2.45	2.08	1.57
512—	74F823SPC	DIP-24	9-Bit D-Type Flip-Flop	2.45	2.08	1.57
512—	74F825SPC	DIP-24	8-Bit D-Type Flip-Flop	2.52	2.14	1.60
512—	74F827SC	SOIC-24	10-Bit Buffer/Line Driver	2.45	2.08	1.57
512—	74F827SPC	DIP-24	10-Bit Buffer/Line Driver	2.45	2.08	1.57
512—	74F86PC	DIP-14	2-Input Exclusive OR Gate	.50	.42	.30
512—	74F86SC	SOIC-14	2-Input Exclusive OR Gate	.38	.32	.23
512—	74F86SJ	SOP-14	2-Input Exclusive OR Gate	.50	.42	.30
512—	74F899QC	PLCC-28	9-Bit Latchable Transceiver	13.30	11.09	7.93
512—	74F899SC	SOIC(W)-28	9-Bit Latchable Transceiver	13.09	10.90	7.79
512—	74FR244PC	DIP-20	Octal Buffer/Line Driver	4.08	3.52	2.71
512—	74FR244SJ	SOP-20	Octal Buffer/Line Driver	4.96	4.13	2.95
74LCX Series						
512—	74LCX00BQX	DQFN-14	Quad 2-Input NAND Gate	.71	.60	.43
512—	74LCX00M	SOIC-14	Quad 2-Input NAND Gate	.28	.23	.17
512—	74LCX00MTC	TSSOP-14	Quad 2-Input NAND Gate	.28	.23	.17
512—	74LCX00SJ	SOP-14	Quad 2-Input NAND Gate	.28	.23	.17
512—	74LCX02M	SOIC-14	Quad 2-Input NOR Gate	.50	.42	.30
512—	74LCX02MTC	TSSOP-14	Quad 2-Input NOR Gate	.50	.42	.30
512—	74LCX02SJ	SOP-14	Quad 2-Input NOR Gate	.50	.42	.30
512—	74LCX04BQX	DQFN-14	Hex Inverter	.71	.60	.43
512—	74LCX04M	SOIC-14	Hex Inverter	.28	.23	.17

♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
♦512—	74LCX04MTC	TSSOP-14	Hex Inverter	.28	.23	.17
♦512—	74LCX04SJ	SOP-14	Hex Inverter	.28	.23	.17
♦512—	74LCX06M	SOIC-14	Hex Inverter/Buffer	.28	.23	.17
♦512—	74LCX06MTC	TSSOP-14	Hex Inverter/Buffer	.28	.23	.17
♦512—	74LCX06SJ	SOP-14	Hex Inverter/Buffer	.28	.23	.17
♦512—	74LCX07M	SOIC-14	Hex Buffer	.28	.23	.17
♦512—	74LCX07MTC	TSSOP-14	Hex Buffer	.28	.23	.17
♦512—	74LCX07SJ	SOP-14	Hex Buffer	.28	.23	.17
♦512—	74LCX08BQX	DQFN-14	Quad 2-Input AND Gate	.71	.60	.43
♦512—	74LCX08M	SOIC-14	Quad 2-Input AND Gate	.28	.23	.17
♦512—	74LCX08MTC	TSSOP-14	Quad 2-Input AND Gate	.28	.23	.17
♦512—	74LCX08SJ	SOP-14	Quad 2-Input AND Gate	.28	.23	.17
♦512—	74LCX10M	SOIC-14	Triple 3-Input NAND Gate	.28	.23	.17
♦512—	74LCX10MTC	TSSOP-14	Triple 3-Input NAND Gate	.28	.23	.17
♦512—	74LCX10SJ	SOP-14	Triple 3-Input NAND Gate	.28	.23	.17
♦512—	74LCX112M	SOIC-16	Dual J-K Neg.Flip-Flop	.33	.27	.20
♦512—	74LCX112MTC	TSSOP-16	Dual J-K Neg.Flip-Flop	.33	.27	.20
♦512—	74LCX112SJ	SOP-16	Dual J-K Neg.Flip-Flop	.33	.27	.20
♦512—	74LCX11M	SOIC-14	Triple 3-Input AND Gate	.50	.42	.30
♦512—	74LCX11MTC	TSSOP-14	Triple 3-Input AND Gate	.50	.42	.30
♦512—	74LCX11SJ	SOP-14	Triple 3-Input AND Gate	.50	.42	.30
♦512—	74LCX125BQX	DQFN-14	Quad Buffer	.67	.56	.40
♦512—	74LCX125M	SOIC-14	Quad Buffer	.33	.27	.20
♦512—	74LCX125MTC	TSSOP-14	Quad Buffer	.33	.27	.20
♦512—	74LCX125SJ	SOP-14	Quad Buffer	.33	.27	.20
♦512—	74LCX126M	SOIC-14	Quad Buffer	.33	.27	.20
♦512—	74LCX126MTC	TSSOP-14	Quad Buffer	.33	.27	.20
♦512—	74LCX126SJ	SOP-14	Quad Buffer	.33	.27	.20
♦512—	74LCX138BQX	DQFN-16	1-of-8 Decoder/Demultiplexer	1.05	.88	.63
♦512—	74LCX138M	SOIC-16	1-of-8 Decoder/Demultiplexer	.38	.32	.23
♦512—	74LCX138MTC	TSSOP-16	1-of-8 Decoder/Demultiplexer	.38	.32	.23
♦512—	74LCX138SJ	SOP-16	1-of-8 Decoder/Demultiplexer	.38	.32	.23
♦512—	74LCX14BQX	DQFN-14	Hex Inverter	.63	.53	.38
♦512—	74LCX14M	SOIC-14	Hex Inverter	.30	.25	.18
♦512—	74LCX14MTC	TSSOP-14	Hex Inverter	.30	.25	.18
♦512—	74LCX14SJ	SOP-14	Hex Inverter	.30	.25	.18
♦512—	74LCX157M	SOIC-16	Quad 2-Input Multiplexer	.38	.32	.23
♦512—	74LCX157MTC	TSSOP-16	Quad 2-Input Multiplexer	.38	.32	.23
♦512—	74LCX157SJ	SOP-16	Quad 2-Input Multiplexer	.38	.32	.23
♦512—	74LCX162244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.76	1.47	1.05
♦512—	74LCX162244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.13	.95	.68
♦512—	74LCX162373MEA	SSOP-48	16-Bit Transparent Latch	1.76	1.47	1.05
♦512—	74LCX162373MTD	TSSOP-48	16-Bit Transparent Latch	1.13	.95	.68
♦512—	74LCX162374MEA	SSOP-48	16-Bit D-Type Flip-Flop	1.76	1.47	1.05
♦512—	74LCX162374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	1.13	.95	.68
♦512—	74LCX16240MEA	SSOP-48	16-Bit Inverting Buffer/Line Driver	1.76	1.47	1.05
♦512—	74LCX16240MTD	TSSOP-48	16-Bit Inverting Buffer/Line Driver	1.13	.95	.68
♦512—	74LCX16244GX	BGA-54	16-Bit Buffer/Line Driver	3.53	2.94	2.10
♦512—	74LCX16244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.76	1.47	1.05
♦512—	74LCX16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.13	.95	.68
♦512—	74LCX16245MEA	SSOP-48	16-Bit Bidirectional Transceiver	1.76	1.47	1.05
♦512—	74LCX16245MTD	TSSOP-48	16-Bit Bidirectional Transceiver	1.13	.95	.68
♦512—	74LCX16373MEA	SSOP-48	16-Bit Transparent Latch	1.76	1.47	1.05
♦512—	74LCX16373MTD	TSSOP-48	16-Bit Transparent Latch	1.13	.95	.68
♦512—	74LCX16374MEA	SSOP-48	16-Bit D-Type Flip-Flop	1.76	1.47	1.05
♦512—	74LCX16374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	1.13	.95	.68
♦512—	74LCX16500MEA	SSOP-56	18-Bit Univ Bus Transceivers	3.53	2.94	2.10
♦512—	74LCX16500MTD	TSSOP-56	18-Bit Univ Bus Transceivers	2.97	2.48	1.77
♦512—	74LCX16501MEA	SSOP-56	18-Bit Univ Bus Transceivers	3.53	2.94	2.10
♦512—	74LCX16501MTD	TSSOP-56	18-Bit Univ Bus Transceivers	2.97	2.48	1.77
♦512—	74LCX16543MEA	SSOP-56	16-Bit Registered Transceiver	3.02	2.52	1.80
♦512—	74LCX16543MTD	TSSOP-56	16-Bit Registered Transceiver	2.72	2.27	1.62
♦512—	74LCX16646MEA	SSOP-56	16-Bit Transceiver/Register	3.02	2.52	1.80
♦512—	74LCX16646MTD	TSSOP-56	16-Bit Transceiver/Register	2.72	2.27	1.62
♦512—	74LCX16652MEA	SSOP-56	Transceiver/Register	3.02	2.52	1.80
♦512—	74LCX16652MTD	TSSOP-56	Transceiver/Register	2.72	2.27	1.62
♦512—	74LCX16821MEA	SSOP-56	20-Bit D-Type Flip-Flops	3.43	2.86	2.04
♦512—	74LCX16821MTD	TSSOP-56	20-Bit D-Type Flip-Flops	3.12	2.60	1.86
♦512—	74LCX16841MEA	SSOP-56	20-Bit Transparent Latch	3.43	2.86	2.04
♦512—	74LCX16841MTD	TSSOP-56	20-Bit Transparent Latch	3.12	2.60	1.86
♦512—	74LCX2244MSA	SSOP-20	Buffer/Line Driver	1.26	1.05	.75
♦512—	74LCX2244MTC	TSSOP-20	Buffer/Line Driver	.48	.40	.29
♦512—	74LCX2244SJ	SOP-20	Buffer/Line Driver	.48	.40	.29
♦512—	74LCX2244WM	SOIC(W)-20	Buffer/Line Driver	.48	.40	.29
♦512—	74LCX240MSA	SSOP-20	Octal Buffer/Line Driver	1.26	1.05	.75
♦512—	74LCX240MTC	TSSOP-20	Octal Buffer/Line Driver	.43	.36	.26
♦512—	74LCX240SJ	SOP-20	Octal Buffer/Line Driver	.43	.36	.26
♦512—	74LCX240WM	SOIC(W)-20	Octal Buffer/Line Driver	.43	.36	.26
♦512—	74LCX241MSA	SSOP-20	Octal Buffer/Line Driver	1.26	1.05	.75
♦512—	74LCX241MTC	TSSOP-20	Octal Buffer/Line Driver	.43	.36	.26
♦512—	74LCX241SJ	SOP-20	Octal Buffer/Line Driver	.43	.36	.26
♦512—	74LCX241WM	SOIC(W)-20	Octal Buffer/Line Driver	.43	.36	.26
♦512—	74LCX244BQX	DQFN-20	Octal Buffer/Line Driver	.97	.81	.58
♦512—	74LCX244MSA	SSOP-20	Buffer/Line Driver	1.26	1.05	.75
♦512—	74LCX244MTC	TSSOP-20	Buffer/Line Driver	.43	.36	.26
♦512—	74LCX244SJ	SOP-20	Buffer/Line Driver	.43	.36	.26
♦512—	74LCX244WM	SOIC(W)-20	Buffer/Line Driver	.43	.36	.26
♦512—	74LCX245BQX	DQFN-20	8-Bit Bi-Directional Transceiver	.97	.81	.58

FAIRCHILD Logic

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◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
74LCX Series (cont.)						
◆512—	74LCX245MSA	SSOP-20	Bidirectional Transceiver	1.26	1.05	.75
◆512—	74LCX245MTC	TSSOP-20	Bidirectional Transceiver	.43	.36	.26
◆512—	74LCX245SJ	SOP-20	Bidirectional Transceiver	.43	.36	.26
◆512—	74LCX245WM	SOIC(W)-20	Bidirectional Transceiver	.43	.36	.26
◆512—	74LCX257M	SOIC-16	Quad 2-Input Multiplexer	.38	.32	.23
◆512—	74LCX257MTC	TSSOP-16	Quad 2-Input Multiplexer	.38	.32	.23
◆512—	74LCX257SJ	SOP-16	Quad 2-Input Multiplexer	.38	.32	.23
◆512—	74LCX27M	SOIC-14	Triple 3-Input NOR Gate	.30	.25	.18
◆512—	74LCX27MTC	TSSOP-14	Triple 3-Input NOR Gate	.30	.25	.18
◆512—	74LCX27SJ	SOP-14	Triple 3-Input NOR Gate	.30	.25	.18
◆512—	74LCX32BQX	DQFN-14	Quad 2-Input OR Gate	.61	.51	.36
◆512—	74LCX32M	SOIC-14	Quad 2-Input OR Gate	.28	.23	.17
◆512—	74LCX32MTC	TSSOP-14	Quad 2-Input OR Gate	.28	.23	.17
◆512—	74LCX32SJ	SOP-14	Quad 2-Input OR Gate	.28	.23	.17
◆512—	74LCX373MSA	SSOP-20	Octal Transparent Latch	1.26	1.05	.75
◆512—	74LCX373MTC	TSSOP-20	Octal Transparent Latch	.43	.36	.26
◆512—	74LCX373SJ	SOP-20	Octal Transparent Latch	.43	.36	.26
◆512—	74LCX373WM	SOIC(W)-20	Octal Transparent Latch	.43	.36	.26
◆512—	74LCX374MSA	SSOP-20	Octal D-Type Flip-Flop	1.26	1.05	.75
◆512—	74LCX374MTC	TSSOP-20	Octal D-Type Flip-Flop	.43	.36	.26
◆512—	74LCX374SJ	SOP-20	Octal D-Type Flip-Flop	.43	.36	.26
◆512—	74LCX374WM	SOIC-20	Octal D-Type Flip-Flop	.43	.36	.26
◆512—	74LCX38M	SOIC-14	Quad 2-Input NAND Gate	.50	.42	.30
◆512—	74LCX38MTC	TSSOP-14	Quad 2-Input NAND Gate	.50	.42	.30
◆512—	74LCX38SJ	SOP-14	Quad 2-Input NAND Gate	.50	.42	.30
◆512—	74LCX540MSA	SOP-20	Octal Buffer/Line Driver	1.51	1.26	.90
◆512—	74LCX540MTC	TSSOP-20	Octal Buffer/Line Driver	.66	.55	.39
◆512—	74LCX540SJ	SOP-20	Octal Buffer/Line Driver	.66	.55	.39
◆512—	74LCX540WM	SOIC-20	Octal Buffer/Line Driver	.66	.55	.39
◆512—	74LCX541MSA	SOP-20	Octal Buffer/Line Driver	1.51	1.26	.90
◆512—	74LCX541MTC	TSSOP-20	Octal Buffer/Line Driver	.66	.55	.39
◆512—	74LCX541WM	SOIC-20	Octal Buffer/Line Driver	.66	.55	.39
◆512—	74LCX543MSA	SSOP-24	Octal Registered Transceiver	1.51	1.26	.90
◆512—	74LCX573MSA	SOP-20	Octal Latch	1.51	1.26	.90
◆512—	74LCX573MTC	TSSOP-20	Octal Latch	.66	.55	.39
◆512—	74LCX573SJ	SOP-20	Octal Latch	.66	.55	.39
◆512—	74LCX573WM	SOIC-20	Octal Latch	.66	.55	.39
◆512—	74LCX574MSA	SOP-20	Octal D-Type Flip-Flop	1.51	1.26	.90
◆512—	74LCX574MTC	TSSOP-20	Octal D-Type Flip-Flop	.66	.55	.39
◆512—	74LCX574SJ	SOP-20	Octal D-Type Flip-Flop	.66	.55	.39
◆512—	74LCX574WM	SOIC(W)-20	Octal D-Type Flip-Flop	.66	.55	.39
◆512—	74LCX646MSA	SSOP-24	Octal Transceiver/Register	3.12	2.60	1.86
◆512—	74LCX652MSA	SSOP-24	Transceiver/Register	3.12	2.60	1.86
◆512—	74LCX74BQX	DQFN-14	Dual D-Type Pos. Edge Triggered FF	.63	.53	.38
◆512—	74LCX74M	SOIC-14	Dual D-Type Flip-Flop	.30	.25	.18
◆512—	74LCX74MTC	TSSOP-14	Dual D-Type Flip-Flop	.30	.25	.18
◆512—	74LCX74SJ	SOP-14	Dual D-Type Flip-Flop	.30	.25	.18
◆512—	74LCX760MSA	SSOP-20	Buffer/Line Driver	1.26	1.05	.75
◆512—	74LCX760MTC	TSSOP-20	Buffer/Line Driver	.43	.36	.26
◆512—	74LCX760SJ	SOP-20	Buffer/Line Driver	.43	.36	.26
◆512—	74LCX760WM	SOIC(W)-20	Buffer/Line Driver	.43	.36	.26
◆512—	74LCX821MSA	SSOP-24	10-Bit D-Type Flip-Flop	2.02	1.68	1.20
◆512—	74LCX841MSA	SSOP-24	10-Bit Transparent Latch	2.19	1.82	1.30
◆512—	74LCX841WM	SOIC(W)-24	10-Bit Transparent Latch	1.61	1.34	.96
◆512—	74LCX86M	SOIC-14	Qd 2-Input Exclusive-OR Gate	.30	.25	.18
◆512—	74LCX86MTC	TSSOP-14	Qd 2-Input Exclusive-OR Gate	.30	.25	.18
◆512—	74LCX86SJ	SOP-14	Qd 2-Input Exclusive-OR Gate	.30	.25	.18
74LCXH Series						
◆512—	74LCXH162244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.76	1.47	1.05
◆512—	74LCXH162244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.13	.95	.68
◆512—	74LCXH162373MEA	SSOP-48	16-Bit Transparent Latch	1.76	1.47	1.05
◆512—	74LCXH162373MTD	TSSOP-48	16-Bit Transparent Latch	1.13	.95	.68
◆512—	74LCXH162374MEA	SSOP-48	16-Bit D-Type Flip-Flop	1.76	1.47	1.05
◆512—	74LCXH162374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	1.13	.95	.68
◆512—	74LCXH16244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.76	1.47	1.05
◆512—	74LCXH16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.13	.95	.68
◆512—	74LCXH16373MEA	SSOP-48	16-Bit Transparent Latch	1.76	1.47	1.05
◆512—	74LCXH16373MTD	TSSOP-48	16-Bit Transparent Latch	1.13	.95	.68
◆512—	74LCXH16374MEA	SSOP-48	16-Bit D-Type Flip-Flop	1.76	1.47	1.05
◆512—	74LCXH16374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	1.13	.95	.68
◆512—	74LCXH2245MSA	SSOP-20	Bidirectional Transceiver	1.31	1.09	.78
◆512—	74LCXH2245MTC	TSSOP-20	Bidirectional Transceiver	.50	.42	.30
◆512—	74LCXH2245SJ	SOP-20	Bidirectional Transceiver	.50	.42	.30
◆512—	74LCXH2245WM	SOIC(W)-20	Bidirectional Transceiver	.50	.42	.30
◆512—	74LCXH245MSA	SSOP-20	Bidirectional Transceiver	1.31	1.09	.78
◆512—	74LCXH245MTC	TSSOP-20	Bidirectional Transceiver	.50	.42	.30
◆512—	74LCXH245SJ	SOP-20	Bidirectional Transceiver	.50	.42	.30
◆512—	74LCXH245WM	SOIC(W)-20	Bidirectional Transceiver	.50	.42	.30
74LCXP Series						
◆512—	74LCXP16245MEA	SSOP-48	16-Bit Bidirectional Transceiver	1.92	1.60	1.14
◆512—	74LCXP16245MTD	TSSOP-48	16-Bit Bidirectional Transceiver	1.61	1.34	.96
74LCXR Series						
◆512—	74LCXR162245MEA	SSOP-48	16-Bit Bidirectional Transceiver	1.76	1.47	1.05
◆512—	74LCXR162245MTD	TSSOP-48	16-Bit Bidirectional Transceiver	2.02	1.68	1.20
◆512—	74LCXR2245MSA	SSOP-20	Bidirectional Transceiver	1.31	1.09	.78
◆512—	74LCXR2245MTC	TSSOP-20	Bidirectional Transceiver	.50	.42	.30
◆512—	74LCXR2245SJ	SOP-20	Bidirectional Transceiver	.76	.63	.45

◆ Surface Mount Device

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MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
◆512—	74LCXR2245WM	SOIC(W)-20	Bidirectional Transceiver	.50	.42	.30
74LCXZ Series						
◆512—	74LCXZ162244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.76	1.47	1.05
◆512—	74LCXZ162244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.61	1.34	.96
◆512—	74LCXZ16244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.76	1.47	1.05
◆512—	74LCXZ16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.26	1.05	.75
◆512—	74LCXZ2245MSA	SSOP-20	Bidirectional Transceiver	1.31	1.09	.78
◆512—	74LCXZ2245MTC	TSSOP-20	Bidirectional Transceiver	.50	.42	.30
◆512—	74LCXZ2245SJ	SOP-20	Bidirectional Transceiver	.50	.42	.30
◆512—	74LCXZ2245WM	SOIC(W)-20	Bidirectional Transceiver	.50	.42	.30
◆512—	74LCXZ245MSA	SSOP-20	Bidirectional Transceiver	1.31	1.09	.78
◆512—	74LCXZ245MTC	TSSOP-20	Bidirectional Transceiver	.60	.50	.36
◆512—	74LCXZ245SJ	SOP-20	Bidirectional Transceiver	.60	.50	.36
◆512—	74LCXZ245WM	SOIC(W)-20	Bidirectional Transceiver	.60	.50	.36
74LVQ Series						
◆512—	74LVQ00SC	SOIC-14	Quad 2-Input NAND Gate	1.11	.92	.66
◆512—	74LVQ00SJ	SOP-14	Quad 2-Input NAND Gate	1.60	1.33	.95
◆512—	74LVQ02SC	SOIC-14	Quad 2-Input NOR Gate	1.11	.92	.66
◆512—	74LVQ02SJ	SOP-14	Quad 2-Input NOR Gate	1.60	1.33	.95
◆512—	74LVQ04SC	SOIC-14	Hex Inverter	1.11	.92	.66
◆512—	74LVQ04SJ	SOP-14	Hex Inverter	1.60	1.33	.95
◆512—	74LVQ08SC	SOIC-14	Quad 2-Input AND Gate	1.11	.92	.66
◆512—	74LVQ08SJ	SOP-14	Quad 2-Input AND Gate	1.60	1.33	.95
◆512—	74LVQ125SC	SOIC-14	Quad Buffer	1.51	1.27	.92
◆512—	74LVQ125SJ	SOP-14	Quad Buffer	2.00	1.67	1.19
◆512—	74LVQ138SC	SOIC-16	1-of-8 Decoder/Demultiplexer	1.92	1.59	1.15
◆512—	74LVQ138SJ	SOP-16	1-of-8 Decoder/Demultiplexer	2.41	2.00	1.43
◆512—	74LVQ14SC	SOIC-14	Hex Inverter	1.11	.92	.66
◆512—	74LVQ14SJ	SOP-14	Hex Inverter	1.60	1.33	.95
◆512—	74LVQ151SC	SOIC-16	8-Input Multiplexer	1.92	1.59	1.15
◆512—	74LVQ151SJ	SOP-16	8-Input Multiplexer	2.41	2.00	1.43
◆512—	74LVQ157SC	SOIC-16	Quad 2-Input Multiplexer	1.92	1.59	1.15
◆512—	74LVQ157SJ	SOP-16	Quad 2-Input Multiplexer	2.41	2.00	1.43
◆512—	74LVQ174SC	SOIC-16	Hex D Flip-Flop	1.92	1.59	1.15
◆512—	74LVQ174SJ	SOP-16	Hex D Flip-Flop	2.41	2.00	1.43
◆512—	74LVQ240QSC	QSOP-20	Octal Buffer/Line Driver	3.50	2.93	2.09
◆512—	74LVQ240SJ	SOP-20	Octal Buffer/Line Driver	4.01	3.34	2.38
◆512—	74LVQ241QSC	QSOP-20	Octal Buffer/Line Driver	4.01	3.34	2.38
◆512—	74LVQ241SJ	SOP-20	Octal Buffer/Line Driver	4.01	3.34	2.38
◆512—	74LVQ244QSC	QSOP-20	Octal Buffer/Line Driver	3.50	2.93	2.09
◆512—	74LVQ244SJ	SOP-20	Octal Buffer/Line Driver	4.01	3.34	2.38
◆512—	74LVQ245QSC	QSOP-20	Octal Bidirectional Transceiver	3.50	2.93	2.09
◆512—	74LVQ245SJ	SOP-20	Octal Bidirectional Transceiver	4.01	3.34	2.38
◆512—	74LVQ273QSC	QSOP-20	Octal D Flip-Flop	3.50	2.93	2.09
◆512—	74LVQ273SJ	SOP-20	Octal D Flip-Flop	4.01	3.34	2.38
◆512—	74LVQ32SC	SOIC-14	Quad 2-Input OR Gate	1.11	.92	.66
◆512—	74LVQ32SJ	SOP-14	Quad 2-Input OR Gate	4.01	3.34	2.38
◆512—	74LVQ373QSC	QSOP-20	Octal Transparent Latch	3.50	2.93	2.09
◆512—	74LVQ373SJ	SOP-20	Octal Transparent Latch	4.01	3.34	2.38
◆512—	74LVQ374QSC	QSOP-20	Octal D Flip-Flop	3.50	2.93	2.09
◆512—	74LVQ374SJ	SOP-20	Octal D Flip-Flop	4.01	3.34	2.38
◆512—	74LVQ573QSC	QSOP-20	Octal Latch	3.50	2.93	2.09
◆512—	74LVQ573SJ	SOP-20	Octal Latch	4.01	3.34	2.38
◆512—	74LVQ74SC	SOIC-14	Dual D-Type Flip-Flop	1.35	1.13	.80
◆512—	74LVQ74SJ	SOP-14	Dual D-Type Flip-Flop	4.01	3.34	2.38
◆512—	74LVQ86SC	SOIC-14	Qd 2-Input Exclusive-OR Gate	1.60	1.33	.95
◆512—	74LVQ86SJ	SOP-14	Qd 2-Input Exclusive-OR Gate	2.50	2.09	1.50
74LVT Series						
◆512—	74LVT162240MEA	SSOP-48	16-Bit Inv Buffer/Line Driver	1.61	1.34	.96
◆512—	74LVT162240MTD	TSSOP-48	16-Bit Inv Buffer/Line Driver	1.11	.92	.66
◆512—	74LVT162244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.61	1.34	.96
◆512—	74LVT162244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.11	.92	.66
◆512—	74LVT162245MEA	SSOP-48	16-Bit Transceiver	1.61	1.34	.96
◆512—	74LVT162245MTD	TSSOP-48	16-Bit Transceiver	1.11	.92	.66
◆512—	74LVT16240MEA	SSOP-48	16-Bit Inv Buffer/Line Driver	1.61	1.34	.96
◆512—	74LVT16240MTD	TSSOP-48	16-Bit Inv Buffer/Line Driver	1.11	.92	.66
◆512—	74LVT16244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.61	1.34	.96
◆512—	74LVT16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.11	.92	.66
◆512—	74LVT16245MEA	SSOP-48	16-Bit Transceiver	1.61	1.34	.96
◆512—	74LVT16245MTD	TSSOP-48	16-Bit Transceiver	1.11	.92	.66
◆512—	74LVT16373MEA	SSOP-48	16-Bit Transparent Latch	1.61	1.34	.96
◆512—	74LVT16373MTD	TSSOP-48	16-Bit Transparent Latch	1.11	.92	.66
◆512—	74LVT16374MEA	SSOP-48	16-Bit D Flip-Flop	1.61	1.34	.96
◆512—	74LVT16374MTD	TSSOP-48	16-Bit D Flip-Flop	1.11	.92	.66
◆512—	74LVT2240SJ	SOP-20	Inverting Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVT2240WM	SOIC(W)-20	Inverting Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVT2244SJ	SOP-20	Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVT2244WM	SOIC(W)-20	Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVT2245MTC	TSSOP-20	Octal Bi-Directional Transceiver	.58	.48	.35
◆512—	74LVT2245SJ	SOP-20	Octal Bidirectional Transceiver	.58	.48	.35
◆512—	74LVT2245WM	SOIC(W)-20	Octal Bidirectional Transceiver	.58	.48	.35
◆512—	74LVT240MSA	SSOP-20	Octal Buffer/Line Driver	1.01	.84	.60
◆512—	74LVT240MTC	TSSOP-20	Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVT240SJ	SOP-20	Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVT240WM	SOIC(W)-20	Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVT244MSA	SSOP-20	Octal Buffer/Line Driver	1.01	.84	.60
◆512—	74LVT244SJ	SOP-20	Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVT244WM	SOIC(W)-20	Octal Buffer/Line Driver	.58	.48	.35

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◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
74LVT Series (cont.)						
◆512—	74LVT245MSA	SSOP-20	Octal Bidirectional Transceiver	1.26	1.05	.75
◆512—	74LVT245SJ	SOP-20	Octal Bidirectional Transceiver	.58	.48	.35
◆512—	74LVT245WM	SOIC(W)-20	Octal Bidirectional Transceiver	.58	.48	.35
◆512—	74LVT373SJ	SOP-20	Octal Transparent Latch	.58	.48	.35
◆512—	74LVT373WM	SOIC(W)-20	Octal Transparent Latch	.58	.48	.35
◆512—	74LVT374SJ	SOP-20	Octal D-Type Flip-Flop	.58	.48	.35
◆512—	74LVT374WM	SOIC(W)-20	Octal D-Type Flip-Flop	.58	.48	.35
◆512—	74LVT573MSA	SSOP-20	Octal Transparent Latch	1.11	.92	.66
◆512—	74LVT573SJ	SOP-20	Octal Transparent Latch	.66	.55	.39
◆512—	74LVT573WM	SOIC(W)-20	Octal Transparent Latch	.66	.55	.39
◆512—	74LVT574MSA	SSOP-20	Octal D-Type Flip-Flop	1.11	.92	.66
◆512—	74LVT574SJ	SOP-20	Octal D-Type Flip-Flop	.66	.55	.39
◆512—	74LVT574WM	SOIC(W)-20	Octal D-Type Flip-Flop	.66	.55	.39
74LVTH Series						
◆512—	74LVTH125M	SOIC-14	Quad Buffer	.43	.36	.26
◆512—	74LVTH125MTC	TSSOP-14	Quad Buffer	.40	.34	.24
◆512—	74LVTH125SJ	SOP-14	Quad Buffer	.40	.34	.24
◆512—	74LVTH162240MEA	SSOP-48	16-Bit Inverting Buffer/Line Driver	1.61	1.34	.96
◆512—	74LVTH162240MTD	TSSOP-48	16-Bit Inverting Buffer/Line Driver	1.11	.92	.66
◆512—	74LVTH162244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.61	1.34	.96
◆512—	74LVTH162244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.11	.92	.66
◆512—	74LVTH162245MEA	SSOP-48	16-Bit Transceiver	1.61	1.34	.96
◆512—	74LVTH162245MTD	TSSOP-48	16-Bit Transceiver	1.11	.92	.66
◆512—	74LVTH162373MEA	SSOP-48	16-Bit Transparent Latch	1.61	1.34	.96
◆512—	74LVTH162373MTD	TSSOP-48	16-Bit Transparent Latch	1.11	.92	.66
◆512—	74LVTH162374MEA	SSOP-48	16-Bit D-Type Flip-Flop	1.61	1.34	.96
◆512—	74LVTH162374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	1.11	.92	.66
◆512—	74LVTH16240MEA	SSOP-48	16-Bit Inverting Buffer/Line Driver	1.61	1.34	.96
◆512—	74LVTH16240MTD	TSSOP-48	16-Bit Inverting Buffer/Line Driver	1.11	.92	.66
◆512—	74LVTH16244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.61	1.34	.96
◆512—	74LVTH16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.11	.92	.66
◆512—	74LVTH16245MEA	SSOP-48	16-Bit Transceiver	1.61	1.34	.96
◆512—	74LVTH16245MTD	TSSOP-48	16-Bit Transceiver	1.11	.92	.66
◆512—	74LVTH16373MEA	SSOP-48	16-Bit Transparent Latch	1.61	1.34	.96
◆512—	74LVTH16373MTD	TSSOP-48	16-Bit Transparent Latch	1.11	.92	.66
◆512—	74LVTH16374MEA	SSOP-48	16-Bit D Flip-Flop	1.61	1.34	.96
◆512—	74LVTH16374MTD	TSSOP-48	16-Bit D Flip-Flop	1.11	.92	.66
◆512—	74LVTH16500MEA	SSOP-56	18-Bit Univ Bus Transceivers	3.53	2.94	2.10
◆512—	74LVTH16500MTD	TSSOP-56	18-Bit Univ Bus Transceivers	3.53	2.94	2.10
◆512—	74LVTH16501MEA	SSOP-56	18-Bit Univ Bus Transceivers	3.53	2.94	2.10
◆512—	74LVTH16501MTD	TSSOP-56	18-Bit Univ Bus Transceivers	3.53	2.94	2.10
◆512—	74LVTH16543MEA	SSOP-56	16-Bit Registered Transceiver	3.53	2.94	2.10
◆512—	74LVTH16543MTD	TSSOP-56	16-Bit Registered Transceiver	3.53	2.94	2.10
◆512—	74LVTH16646MEA	SSOP-56	16-Bit Transceiver/Register	3.53	2.94	2.10
◆512—	74LVTH16646MTD	TSSOP-56	16-Bit Transceiver/Register	3.53	2.94	2.10
◆512—	74LVTH16652MEA	SSOP-56	16-Bit Transceiver/Register	3.53	2.94	2.10
◆512—	74LVTH16652MTD	TSSOP-56	16-Bit Transceiver/Register	3.53	2.94	2.10
◆512—	74LVTH16835MEA	SSOP-56	18-Bit Universal Bus Driver	3.53	2.94	2.10
◆512—	74LVTH16835MTD	TSSOP-56	18-Bit Universal Bus Driver	3.53	2.94	2.10
◆512—	74LVTH16952MEA	SSOP-56	16-Bit Registered Transceiver	3.53	2.94	2.10
◆512—	74LVTH16952MTD	TSSOP-56	16-Bit Registered Transceiver	3.53	2.94	2.10
◆512—	74LVTH2240SJ	SOP-20	Inverting Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVTH2240WM	SOIC(W)-20	Inverting Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVTH2244MTC	TSSOP-20	Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVTH2244SJ	SOP-20	Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVTH2244WM	SOIC(W)-20	Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVTH2245MTC	TSSOP-20	Octal Bidirectional Transceiver	.58	.48	.35
◆512—	74LVTH2245SJ	SOP-20	Octal Bidirectional Transceiver	.58	.48	.35
◆512—	74LVTH2245WM	SOIC(W)-20	Octal Bidirectional Transceiver	.58	.48	.35
◆512—	74LVTH240MSA	SSOP-20	Octal Buffer/Line Driver	1.01	.84	.60
◆512—	74LVTH240SJ	SOP-20	Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVTH240WM	SOIC(W)-20	Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVTH244MSA	SSOP-20	Octal Buffer/Line Driver	1.01	.84	.60
◆512—	74LVTH244SJ	SOP-20	Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVTH244WM	SOIC(W)-20	Octal Buffer/Line Driver	.58	.48	.35
◆512—	74LVTH245MSA	SSOP-20	Octal Bidirectional Transceiver	1.26	1.05	.75
◆512—	74LVTH245SJ	SOP-20	Octal Bidirectional Transceiver	.58	.48	.35
◆512—	74LVTH245WM	SOIC(W)-20	Octal Bidirectional Transceiver	.58	.48	.35
◆512—	74LVTH273SJ	SOP-20	Octal D-Type Flip-Flop	.58	.48	.35
◆512—	74LVTH273WM	SOIC(W)-20	Octal D-Type Flip-Flop	.58	.48	.35
◆512—	74LVTH373SJ	SOP-20	Octal Transparent Latch	.58	.48	.35
◆512—	74LVTH373WM	SOIC(W)-20	Octal Transparent Latch	.58	.48	.35
◆512—	74LVTH374SJ	SOP-20	Octal D-Type Flip-Flop	.58	.48	.35
◆512—	74LVTH374WM	SOIC(W)-20	Octal D-Type Flip-Flop	.58	.48	.35
◆512—	74LVTH573MSA	SSOP-20	Octal Transparent Latch	1.11	.92	.66
◆512—	74LVTH573SJ	SOP-20	Octal Transparent Latch	.66	.55	.39
◆512—	74LVTH573WM	SOIC(W)-20	Octal Transparent Latch	.66	.55	.39
◆512—	74LVTH574MSA	SSOP-20	Octal D-Type Flip-Flop	1.11	.92	.66
◆512—	74LVTH574SJ	SOP-20	Octal D-Type Flip-Flop	.66	.55	.39
◆512—	74LVTH574WM	SOIC(W)-20	Octal D-Type Flip-Flop	.66	.55	.39
◆512—	74LVTH646WM	SOIC(W)-24	Octal Transceiver/Register	1.51	1.26	.90
◆512—	74LVTH652WM	SOIC(W)-24	Octal Transceiver/Register	1.51	1.26	.90
74LVX Series						
◆512—	74LVX00M	SOIC-14	Quad 2-Input NAND Gate	.33	.28	.20
◆512—	74LVX00MTC	TSSOP-14	Quad 2-Input NAND Gate	.48	.41	.29
◆512—	74LVX00SJ	SOP-14	Quad 2-Input NAND Gate	.32	.27	.19
◆512—	74LVX02M	SOIC-14	Quad 2-Input NOR Gate	.33	.28	.20

◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
◆512—	74LVX02MTC	TSSOP-14	Quad 2-Input NOR Gate	.48	.41	.29
◆512—	74LVX02SJ	SOP-14	Quad 2-Input NOR Gate	.32	.27	.19
◆512—	74LVX04M	SOIC-14	Hex Inverter	.33	.28	.20
◆512—	74LVX04MTC	TSSOP-14	Hex Inverter	.48	.41	.29
◆512—	74LVX04SJ	SOP-14	Hex Inverter	.32	.27	.19
◆512—	74LVX08M	SOIC-14	Quad 2-Input AND Gate	.33	.28	.20
◆512—	74LVX08MTC	TSSOP-14	Quad 2-Input AND Gate	.48	.41	.29
◆512—	74LVX08SJ	SOP-14	Quad 2-Input AND Gate	.32	.27	.19
◆512—	74LVX112M	SOIC-16	Dual J-K Flip-Flops	.38	.32	.23
◆512—	74LVX112MTC	TSSOP-16	Dual J-K Flip-Flops	.38	.32	.23
◆512—	74LVX112SJ	SOP-16	Dual J-K Flip-Flops	.38	.32	.23
◆512—	74LVX125M	SOIC-14	Quad Buffer	.40	.34	.24
◆512—	74LVX125MTC	TSSOP-14	Quad Buffer	.40	.34	.24
◆512—	74LVX125SJ	SOP-14	Quad Buffer	.40	.34	.24
◆512—	74LVX132M	SOIC-14	Qd 2-Input NAND Schmitt Trigger	.55	.46	.33
◆512—	74LVX132MTC	TSSOP-14	Qd 2-Input NAND Schmitt Trigger	.55	.46	.33
◆512—	74LVX132SJ	SOP-14	Qd 2-Input NAND Schmitt Trigger	.55	.46	.33
◆512—	74LVX138M	SOIC-16	1-of-8 Decoder/Demultiplexer	.66	.55	.39
◆512—	74LVX138MTC	TSSOP-16	1-of-8 Decoder/Demultiplexer	.66	.55	.39
◆512—	74LVX138SJ	SOP-16	1-of-8 Decoder/Demultiplexer	.66	.55	.39
◆512—	74LVX14M	SOIC-14	Hex Inverter	.33	.27	.20
◆512—	74LVX14MTC	TSSOP-14	Hex Inverter	.33	.27	.20
◆512—	74LVX14SJ	SOP-14	Hex Inverter	.33	.27	.20
◆512—	74LVX157M	SOIC-16	Quad 2-Input Multiplexer	.66	.55	.39
◆512—	74LVX157MTC	TSSOP-16	Quad 2-Input Multiplexer	.70	.60	.43
◆512—	74LVX157SJ	SOP-16	Quad 2-Input Multiplexer	.66	.55	.39
◆512—	74LVX161284AMTD	TSSOP-48	IEEE 161284 Translating Tran	2.52	2.10	1.50
◆512—	74LVX161284MEA	SSOP-48	IEEE 161284 Translating Tran	2.52	2.10	1.50
◆512—	74LVX161284MTD	TSSOP-48	IEEE 161284 Translating Tran	2.52	2.10	1.50
◆512—	74LVX163M	SOIC-16	Synchronous Binary Counter	.81	.66	.48
◆512—	74LVX163SJ	SOP-16	Synchronous Binary Counter	1.01	.84	.60
◆512—	74LVX174M	SOIC-16	Hex D-Type Flip-Flop	.76	.63	.45
◆512—	74LVX174SJ	SOP-16	Hex D-Type Flip-Flop	.76	.63	.45
◆512—	74LVX240M	SOIC(W)-20	Octal Buffer/Line Driver	.74	.62	.44
◆512—	74LVX240MTC	TSSOP-20	Octal Buffer/Line Driver	.89	.74	.53
◆512—	74LVX240SJ	SOP-20	Octal Buffer/Line Driver	.76	.63	.45
◆512—	74LVX244M	SOIC-20	Octal Buffer/Line Driver	.55	.46	.33
◆512—	74LVX244MTC	TSSOP-20	Octal Buffer/Line Driver	.55	.46	.33
◆512—	74LVX244SJ	SOP-20	Octal Buffer/Line Driver	.76	.63	.45
◆512—	74LVX245M	SOIC(W)-20	Octal Bidirectional Transceiver	.55	.46	.33
◆512—	74LVX245MTC	TSSOP-20	Octal Bidirectional Transceiver	.55	.46	.33
◆512—	74LVX245SJ	SOP-20	Octal Bidirectional Transceiver	.76	.63	.45
◆512—	74LVX273M	SOIC(W)-20	Octal D-Type Flip-Flop	.55	.46	.33
◆512—	74LVX273MTC	TSSOP-20	Octal D-Type Flip-Flop	.55	.46	.33
◆512—	74LVX273SJ	SOP-20	Octal D-Type Flip-Flop	.55	.46	.33
◆512—	74LVX3245QSC	QSOP-24	8-Bit Dual Translating Transceiver	2.27	1.89	1.35
◆512—	74LVX32M	SOIC-14	Quad 2-Input OR Gate	.33	.28	.20
◆512—	74LVX32MTC	TSSOP-14	Quad 2-Input OR Gate	.48	.41	.29
◆512—	74LVX32SJ	SOP-14	Quad 2-Input OR Gate	.32	.27	.19
◆512—	74LVX373M	SOIC(W)-20	Octal Transparent Latch	.55	.46	.33
◆512—	74LVX373MTC	TSSOP-20	Octal Transparent Latch	.55	.46	.33
◆512—	74LVX373SJ	SOP-20	Octal Transparent Latch	.55	.46	.33
◆512—	74LVX374M	SOIC(W)-20	Octal D-Type Flip-Flop	.55	.46	.33
◆512—	74LVX374MTC	TSSOP-20	Octal D-Type Flip-Flop	.55	.46	.33
◆512—	74LVX374SJ	SOP-20	Octal D-Type Flip-Flop	.55	.46	.33
◆512—	74LVX4245MTC	TSSOP-24	8-Bit DI Translating Transceiver	2.02	1.68	1.20
◆512—	74LVX4245QSC	QSOP-24	8-Bit DI Translating Transceiver	2.02	1.68	1.20
◆512—	74LVX4245WM	SOIC(W)-24	8-Bit DI Translating Transceiver	2.02	1.68	1.20
◆512—	74LVX541M	SOIC(W)-20	Octal Buffer/Line Driver	.60	.50	.36
◆512—	74LVX541SJ	SOP-20	Octal Buffer/Line Driver	.60	.50	.36
◆512—	74LVX573M	SOIC(W)-20	Octal Latch	.60	.50	.36
◆512—	74LVX573MTC	TSSOP-20	Octal Latch	.60	.50	.36
◆512—	74LVX573SJ	SOP-20	Octal Latch	.60	.50	.36
◆512—	74LVX574M	SOIC(W)-20	Octal D-Type Flip-Flop	.60	.50	.36
◆512—	74LVX574MTC	TSSOP-20	Octal D-Type Flip-Flop	.60	.50	.36
◆512—	74LVX574SJ	SOP-20	Octal D-Type Flip-Flop	.60	.50	.36
◆512—	74LVX74M	SOIC-14	Dual D-Type Flip-Flop	.38	.32	.23
◆512—	74LVX74MTC	TSSOP-14	Dual D-Type Flip-Flop	.38	.32	.23
◆512—	74LVX74SJ	SOP-14	Dual D-Type Flip-Flop	.38	.32	.23
◆512—	74LVX86M	SOIC-14	Qd 2-Input Exclusive-OR Gate	.38	.32	.23
◆512—	74LVX86MTC	TSSOP-14	Qd 2-Input Exclusive-OR Gate	.38	.32	.23
◆512—	74LVX86SJ	SOP-14	Qd 2-Input Exclusive-OR Gate	.38	.32	.23
74LVXC Series						
◆512—	74LVXC3245MTC	TSSOP-24	8-Bit Dual Interface Transceiver	1.92	1.60	1.14
◆512—	74LVXC3245QSC	QSOP-24	8-Bit Dual Interface Transceiver	1.92	1.60	1.14
◆512—	74LVXC3245WM	SOIC(W)-24	8-Bit Dual Interface Transceiver	1.92	1.60	1.14
◆512—	74LVXC4245QSC	QSOP-24	8-Bit Dual Interface Transceiver	2.27	1.89	1.35
74VCX Series						
◆512—	74VCX00BQX	DQFN-14	Quad 2-Input NAND Gate	.71	.60	.43
◆512—	74VCX00M	SOIC-14	Quad 2-Input NAND Gate	.45	.38	.27
◆512—	74VCX00MTC	TSSOP-14	Quad 2-Input NAND Gate	.45	.38	.27
◆512—	74VCX08BQX	DQFN-14	Quad 2-Input AND Gate	.71	.60	.43
◆512—	74VCX08M	SOIC-14	Quad 2-Input AND Gate	.45	.38	.27
◆512—	74VCX08MTC	TSSOP-14	Quad 2-Input AND Gate	.45	.38	.27
◆512—	74VCX132BQX	DQFN-14	Quad 2-Input NAND Gate	.80	.67	.48
◆512—	74VCX132M	SOIC-14	2-Input NAND Gate	.60	.50	.36
◆512—	74VCX162240MTD	TSSOP-48	16-Bit Inverting Buffer/Line Driver	2.12	1.76	1.26
◆512—	74VCX162244MTD	TSSOP-48	16-Bit Buffer/Line Driver	2.12	1.76	1.26

FAIRCHILD Logic

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♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
74VCX Series (cont.)						
♦512—	74VCX162245MTD	TSSOP-48	16-Bit Bidirectional Transceiver	2.12	1.76	1.26
♦512—	74VCX162373MTD	TSSOP-48	16-Bit Transparent Latch	2.12	1.76	1.26
♦512—	74VCX162374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	2.12	1.76	1.26
♦512—	74VCX16240MTD	TSSOP-48	16-Bit Inverting Buffer/Line Driver	2.02	1.68	1.20
♦512—	74VCX16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	2.02	1.68	1.20
♦512—	74VCX16245MTD	TSSOP-48	16-Bit Bidirectional Transceiver	2.02	1.68	1.20
♦512—	74VCX162601MTD	TSSOP-56	18-Bit Universal Bus Transceiver	4.28	3.57	2.55
♦512—	74VCX162827MTD	TSSOP-56	20-Bit Buffer/Line Driver	4.28	3.57	2.55
♦512—	74VCX162835MTD	TSSOP-56	18-Bit Universal Bus Driver	4.28	3.57	2.55
♦512—	74VCX162839MTD	TSSOP-56	20-Bit Selectable Reg/Buffer	4.25	3.53	2.52
♦512—	74VCX163245MTD	TSSOP-48	16-Bit Dual Supply Transceiver	4.84	4.03	2.88
♦512—	74VCX16373MTD	TSSOP-48	16-Bit Transparent Latch	2.02	1.68	1.20
♦512—	74VCX16374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	2.02	1.68	1.20
♦512—	74VCX164245MTD	TSSOP-48	16-Bit Dual Supply Transceiver	4.84	4.03	2.88
♦512—	74VCX16500MTD	TSSOP-56	18-Bit Univ Bus Transceivers	3.02	2.52	1.80
♦512—	74VCX16501MTD	TSSOP-56	18-Bit Univ Bus Transceivers	3.02	2.52	1.80
♦512—	74VCX16601MTD	TSSOP-56	18-Bit Univ Bus Transceivers	3.02	2.52	1.80
♦512—	74VCX16721MTD	TSSOP-56	20-Bit D-Type Flip-Flops	3.02	2.52	1.80
♦512—	74VCX16722MTD	TSSOP-64	22-Bit Register	8.82	7.35	5.25
♦512—	74VCX16821MTD	TSSOP-56	20-Bit D-Type Flip-Flops	3.02	2.52	1.80
♦512—	74VCX16827MTD	TSSOP-56	20-Bit Buffer/Line Driver	3.02	2.52	1.80
♦512—	74VCX16835MTD	TSSOP-56	18-Bit Universal Bus Driver	3.02	2.52	1.80
♦512—	74VCX16838MTD	TSSOP-48	16-Bit Selectable Reg/Buffer	3.02	2.52	1.80
♦512—	74VCX16839MTD	TSSOP-56	20-Bit Selectable Reg/Buffer	3.02	2.52	1.80
♦512—	74VCX16841MTD	TSSOP-56	20-Bit Transparent Latch	3.02	2.52	1.80
♦512—	74VCX2245WM	SOIC(W)-20	Bidirectional Transceiver	.93	.78	.56
♦512—	74VCX245BQX	DQFN-20	8-Bit Bi-Directional Transceiver	.97	.81	.58
♦512—	74VCX245WM	SOIC(W)-20	Bidirectional Transceiver	.88	.74	.53
♦512—	74VCX32BQX	DQFN-14	Quad 2-Input NAND Gate	.71	.60	.43
♦512—	74VCX32M	SOIC-14	Quad 2-Input OR Gate	.45	.38	.27
♦512—	74VCX32MTC	TSSOP-14	Quad 2-Input OR Gate	.45	.38	.27
♦512—	74VCX38M	SOIC-14	Quad 2-Input NAND Gate	.55	.47	.33
♦512—	74VCX38MTC	TSSOP-14	Quad 2-Input NAND Gate	.55	.47	.33
♦512—	74VCX86BQX	DQFN-14	Quad 2-Input Exclusive OR Gate	.80	.67	.48
♦512—	74VCX86M	SOIC-14	Qd 2-Input Exclusive-OR Gate	.55	.47	.33
♦512—	74VCX86MTC	TSSOP-14	Qd 2-Input Exclusive-OR Gate	.55	.47	.33
♦512—	74VCXF162835MTD	TSSOP-56	18-Bit Universal Bus Driver	3.63	3.02	2.16
74VCXH Series						
♦512—	74VCXH162240MTD	TSSOP-48	16-Bit Inverting Buffer/Line Driver	2.02	1.68	1.20
♦512—	74VCXH162244MTD	TSSOP-48	16-Bit Buffer/Line Driver	2.02	1.68	1.20
♦512—	74VCXH162373MTD	TSSOP-48	16-Bit Transparent Latch	2.02	1.68	1.20
♦512—	74VCXH162374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	2.02	1.68	1.20
♦512—	74VCXH16240MTD	TSSOP-48	16-Bit Inverting Buffer/Line Driver	2.02	1.68	1.20
♦512—	74VCXH16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	2.02	1.68	1.20
♦512—	74VCXH16373MTD	TSSOP-48	16-Bit Transparent Latch	2.02	1.68	1.20
♦512—	74VCXH16374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	2.02	1.68	1.20
♦512—	74VCXH2245WM	SOIC(W)-20	Bidirectional Transceiver	.93	.78	.56
♦512—	74VCXH245WM	SOIC(W)-20	Bidirectional Transceiver	.88	.74	.53
♦512—	74VCXR162601MTD	TSSOP-56	18-Bit Universal Bus Transceiver	4.28	3.57	2.55
74VHC Series						
♦512—	74VHC00M	SOIC-14	Quad 2-Input NAND Gate	.32	.26	.20
♦512—	74VHC00MTC	TSSOP-14	Quad 2-Input NAND Gate	.44	.36	.28
512—	74VHC00N	DIP-14	Quad 2-Input NAND Gate	.40	.34	.24
♦512—	74VHC00SJ	SOP-14	Quad 2-Input NAND Gate	.28	.23	.17
♦512—	74VHC02M	SOIC-14	Quad 2-Input NOR Gate	.29	.24	.19
♦512—	74VHC02MTC	TSSOP-14	Quad 2-Input NOR Gate	.44	.36	.28
512—	74VHC02N	DIP-14	Quad 2-Input NOR Gate	.40	.34	.24
♦512—	74VHC02SJ	SOP-14	Quad 2-Input NOR Gate	.28	.23	.17
♦512—	74VHC04M	SOIC-14	Hex Inverter	.32	.26	.20
♦512—	74VHC04MTC	TSSOP-14	Hex Inverter	.44	.36	.28
512—	74VHC04N	DIP-14	Hex Inverter	.40	.34	.24
♦512—	74VHC04SJ	SOP-14	Hex Inverter	.28	.23	.17
♦512—	74VHC08M	SOIC-14	Quad 2-Input AND Gate	.28	.23	.17
♦512—	74VHC08MTC	TSSOP-14	Quad 2-Input AND Gate	.28	.23	.17
512—	74VHC08N	DIP-14	Quad 2-Input AND Gate	.40	.34	.24
♦512—	74VHC08SJ	SOP-14	Quad 2-Input AND Gate	.28	.23	.17
♦512—	74VHC112M	SOIC-16	Dual J-K Flip-Flops	.33	.27	.20
♦512—	74VHC112MTC	TSSOP-16	Dual J-K Flip-Flops	.33	.27	.20
512—	74VHC112N	DIP-16	Dual J-K Flip-Flops	.53	.44	.32
♦512—	74VHC112SJ	SOP-16	Dual J-K Flip-Flops	.33	.27	.20
♦512—	74VHC123AM	SOIC-16	Dual Retriggerable Multivibrator	.33	.27	.20
♦512—	74VHC123AMTC	TSSOP-16	Dual Retriggerable Multivibrator	.33	.27	.20
512—	74VHC123AN	DIP-16	Dual Monostable Multivibrator	.53	.44	.32
♦512—	74VHC123ASJ	SOP-16	Dual Monostable Multivibrator	.33	.27	.20
♦512—	74VHC125M	SOIC-14	Quad Buffer	.33	.27	.20
♦512—	74VHC125MTC	TSSOP-14	Quad Buffer	.33	.27	.20
512—	74VHC125N	DIP-14	Quad Buffer	.53	.44	.32
♦512—	74VHC125SJ	SOP-14	Quad Buffer	.33	.27	.20
♦512—	74VHC132M	SOIC-14	Qd 2-Input NAND Sch Trigger	.33	.27	.20
♦512—	74VHC132MTC	TSSOP-14	Qd 2-Input NAND Sch Trigger	.33	.27	.20
512—	74VHC132N	DIP-14	Qd 2-Input NAND Sch Trigger	.53	.44	.32
♦512—	74VHC132SJ	SOP-14	Qd 2-Input NAND Sch Trigger	.33	.27	.20
♦512—	74VHC138M	SOIC-16	3-to-8 Decoder/Demultiplexer	.48	.40	.29
♦512—	74VHC138MTC	TSSOP-16	3-to-8 Decoder/Demultiplexer	.48	.40	.29
512—	74VHC138N	DIP-16	3-to-8 Decoder/Demultiplexer	.63	.53	.38
♦512—	74VHC138SJ	SOP-16	3-to-8 Decoder/Demultiplexer	.50	.42	.30
♦512—	74VHC139M	SOIC-16	Dl 2-to-4 Dec/Demultiplexer	.64	.53	.39

♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
♦512—	74VHC139MTC	TSSOP-16	Dl 2-to-4 Dec/Demultiplexer	.60	.50	.36
512—	74VHC139N	DIP-16	Dl 2-to-4 Dec/Demultiplexer	.64	.54	.39
♦512—	74VHC139SJ	SOP-16	Dl 2-to-4 Dec/Demultiplexer	.60	.50	.36
♦512—	74VHC14M	SOIC-14	Hex Schmitt Inverter	.30	.25	.18
♦512—	74VHC14MTC	TSSOP-14	Hex Schmitt Inverter	.30	.25	.18
512—	74VHC14N	DIP-14	Hex Schmitt Inverter	.43	.36	.26
♦512—	74VHC14SJ	SOP-14	Hex Schmitt Inverter	.30	.25	.18
♦512—	74VHC153M	SOIC-16	Dual 4-Input Multiplexer	.60	.50	.36
♦512—	74VHC153MTC	TSSOP-16	Dual 4-Input Multiplexer	.60	.50	.36
512—	74VHC153N	DIP-16	Dual 4-Input Multiplexer	.75	.63	.45
♦512—	74VHC153SJ	SOP-16	Dual 4-Input Multiplexer	.60	.50	.36
♦512—	74VHC157M	SOIC-16	Quad 2-Input Multiplexer	.60	.50	.36
♦512—	74VHC157MTC	TSSOP-16	Quad 2-Input Multiplexer	.60	.50	.36
512—	74VHC157N	DIP-16	Quad 2-Input Multiplexer	.76	.63	.45
♦512—	74VHC157SJ	SOP-16	Quad 2-Input Multiplexer	.60	.50	.36
♦512—	74VHC161284MEA	SSOP-48	IEEE 161284 Transceiver	1.86	1.55	1.11
♦512—	74VHC161284MTD	TSSOP-48	IEEE 161284 Transceiver	1.86	1.55	1.11
♦512—	74VHC161M	SOIC-16	4-Bit Binary Counter	.79	.65	.47
♦512—	74VHC161MTC	TSSOP-16	4-Bit Binary Counter	.66	.55	.39
512—	74VHC161N	DIP-16	4-Bit Binary Counter	.84	.70	.50
♦512—	74VHC161SJ	SOP-16	4-Bit Binary Counter	.81	.67	.48
♦512—	74VHC163M	SOIC-16	4-Bit Binary Counter	.78	.65	.47
♦512—	74VHC163MTC	TSSOP-16	4-Bit Binary Counter	.78	.65	.47
512—	74VHC163N	DIP-16	4-Bit Binary Counter	.78	.68	.52
♦512—	74VHC163SJ	SOP-16	4-Bit Binary Counter	.86	.71	.51
♦512—	74VHC164M	SOIC-14	8-Bit Shift Register	.50	.42	.30
♦512—	74VHC164MTC	TSSOP-14	8-Bit Shift Register	.55	.46	.33
512—	74VHC164N	DIP-14	8-Bit Shift Register	.66	.55	.39
♦512—	74VHC164SJ	SOP-14	8-Bit Shift Register	.50	.42	.30
♦512—	74VHC175M	SOIC-16	Quad D-Type Flip-Flop	.50	.42	.30
♦512—	74VHC175MTC	TSSOP-16	Quad D-Type Flip-Flop	.55	.46	.33
512—	74VHC175N	DIP-16	Quad D-Type Flip-Flop	.66	.55	.39
♦512—	74VHC175SJ	SOP-16	Quad D-Type Flip-Flop	.55	.46	.33
♦512—	74VHC221AM	SOIC-16	Dual Monostable Multivibrator	.87	.71	.52
512—	74VHC221AN	DIP-16	Dual Monostable Multivibrator	.87	.72	.52
♦512—	74VHC221ASJ	SOP-16	Dual Monostable Multivibrator	.86	.71	.51
♦512—	74VHC240M	SOIC(W)-20	Octal Buffer/Line Driver	.43	.36	.26
♦512—	74VHC240MTC	TSSOP-20	Octal Buffer/Line Driver	.43	.36	.26
512—	74VHC240N	DIP-20	Octal Buffer/Line Driver	.86	.71	.51
♦512—	74VHC240SJ	SOP-20	Octal Buffer/Line Driver	.43	.36	.26
♦512—	74VHC244M	SOIC(W)-20	Octal Buffer/Line Driver	.43	.36	.26
♦512—	74VHC244MTC	TSSOP-20	Octal Buffer/Line Driver	.43	.36	.26
512—	74VHC244N	DIP-20	Octal Buffer/Line Driver	.68	.57	.41
♦512—	74VHC244SJ	SOP-20	Octal Buffer/Line Driver	.43	.36	.26
♦512—	74VHC245M	SOIC(W)-20	Octal Bidirectional Transceiver	.43	.36	.26
♦512—	74VHC245MTC	TSSOP-20	Octal Bidirectional Transceiver	.43	.36	.26
512—	74VHC245N	DIP-20	Octal Bidirectional Transceiver	.68	.57	.41
♦512—	74VHC245SJ	SOP-20	Octal Bidirectional Transceiver	.43	.36	.26
♦512—	74VHC273M	SOIC(W)-20	Octal D-Type Flip-Flop	.43	.36	.26
♦512—	74VHC273MTC	TSSOP-20	Octal D-Type Flip-Flop	.43	.36	.26
512—	74VHC273N	DIP-20	Octal D-Type Flip-Flop	.68	.57	.41
♦512—	74VHC273SJ	SOP-20	Octal D-Type Flip-Flop	.43	.36	.26
♦512—	74VHC27M	SOIC-14	Triple 3-Input NOR Gate	.30	.25	.18
♦512—	74VHC27MTC	TSSOP-14	Triple 3-Input NOR Gate	.30	.25	.18
512—	74VHC27N	DIP-14	Triple 3-Input NOR Gate	.58	.49	.35
♦512—	74VHC27SJ	SOP-14	Triple 3-Input NOR Gate	.30	.25	.18
♦512—	74VHC32M	SOIC-14	Quad 2-Input OR Gate	.32	.26	.20
♦512—	74VHC32MTC	TSSOP-14	Quad 2-Input OR Gate	.44	.36	.28
512—	74VHC32N	DIP-14	Quad 2-Input OR Gate	.40	.34	.24
♦512—	74VHC32SJ	SOP-14	Quad 2-Input OR Gate	.28	.23	.17
♦512—	74VHC373M	SOIC(W)-20	Octal D-Type Latch	.43	.36	.26
♦512—	74VHC373MTC	TSSOP-20	Octal D-Type Latch	.43	.36	.26
512—	74VHC373N	DIP-20	Octal D-Type Latch	.68	.57	.41
♦512—	74VHC373SJ	SOP-20	Octal D-Type Latch	.43	.36	.26
♦512—	74VHC374M	SOIC(W)-20	Octal D-Type Flip-Flop	.43	.36	.26
♦512—	74VHC374MTC	TSSOP-20	Octal D-Type Flip-Flop	.43	.36	.26
512—	74VHC374N	DIP-20	Octal D-Type Flip-Flop	.68	.57	.41
♦512—	74VHC374SJ	SOP-20	Octal D-Type Flip-Flop	.43	.36	.26
♦512—	74VHC393M	SOIC-14	Dual 4-Bit Binary Counter	.98	.81	.58
512—	74VHC393N	DIP-14	Dual 4-Bit Binary Counter	1.01	.84	.60
♦512—	74VHC393SJ	SOP-14	Dual 4-Bit Binary Counter	.91	.76	.54
♦512—	74VHC4040M	SOIC-16	12-Stage Binary Counter	.81	.67	.48
512—	74VHC4040N	DIP-16	12-Stage Binary Counter	1.16	.96	.69
♦512—	74VHC4046M	SOIC-16	CMOS Phase Lock Loop	.60	.50	.36
512—	74VHC4046N	DIP-16	CMOS Phase Lock Loop	.93	.78	.56
♦512—	74VHC4051M	SOIC-16	8-Channel Analog Multiplexer	.78	.65	.47
♦512—	74VHC4051MTC	TSSOP-16	8-Channel Analog Multiplexer	.78	.65	.47
512—	74VHC4051N	DIP-16	8-Channel Analog Multiplexer	.91	.76	.54
♦512—	74VHC4051WM	SOIC(W)-16	8-Channel Analog Multiplexer	.78	.65	.47
♦512—	74VHC4052M	SOIC-16	Dl 4-Ch Analog Multiplexer	.78	.65	.47
♦512—	74VHC4052MTC	TSSOP-16	Dl 4-Ch Analog Multiplexer	.78	.65	.47
512—	74VHC4052N	DIP-16	Dl 4-Ch Analog Multiplexer	.91	.76	.54
♦512—	74VHC4053M	SOIC-16	Trp 2-Ch Analog Multiplexer	.78	.65	.47
♦512—	74VHC4053MTC	TSSOP-16	Trp 2-Ch Analog Multiplexer	.78	.65	.47
512—	74VHC4053N	DIP-16	Trp 2-Ch Analog Multiplexer	.91	.76	.54
♦512—	74VHC4066M	SOIC-14	Quad Analog Switch	.63	.53	.38
♦512—	74VHC4066MTC	TSSOP-14	Quad Analog Switch	.63	.53	.38
512—	74VHC4066N	DIP-14	Quad Analog Switch	.71	.59	.42

Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
74VHC Series (cont.)						
512—	74VHC4316M	SOIC-16	Quad Analog Switch	.66	.55	.39
512—	74VHC4316N	DIP-16	Quad Analog Switch	.81	.67	.48
512—	74VHC541M	SOIC(W)-20	Octal Buffer/Line Driver	.45	.38	.27
512—	74VHC541MTC	TSSOP-20	Octal Buffer/Line Driver	.45	.38	.27
512—	74VHC541N	DIP-20	Octal Buffer/Line Driver	.66	.55	.39
512—	74VHC541SJ	SOP-20	Octal Buffer/Line Driver	.45	.38	.27
512—	74VHC573M	SOIC(W)-20	Octal D-Type Latch	.45	.38	.27
512—	74VHC573MTC	TSSOP-20	Octal D-Type Latch	.45	.38	.27
512—	74VHC573N	DIP-20	Octal D-Type Latch	.66	.55	.39
512—	74VHC574M	SOIC(W)-20	Octal D-Type Flip-Flop	.45	.38	.27
512—	74VHC574MTC	TSSOP-20	Octal D-Type Flip-Flop	.45	.38	.27
512—	74VHC574N	DIP-20	Octal D-Type Flip-Flop	.66	.55	.39
512—	74VHC574SJ	SOP-20	Octal D-Type Flip-Flop	.45	.38	.27
512—	74VHC595M	SOIC-16	8-Bit Shift Register	.45	.38	.27
512—	74VHC595N	DIP-16	8-Bit Shift Register	.55	.46	.33
512—	74VHC595SJ	SOP-16	8-Bit Shift Register	.45	.38	.27
512—	74VHC74M	SOIC-14	Dual D-Type Flip-Flop	.30	.25	.18
512—	74VHC74MTC	TSSOP-14	Dual D-Type Flip-Flop	.30	.25	.18
512—	74VHC74N	DIP-14	Dual D-Type Flip-Flop	.43	.36	.26
512—	74VHC74SJ	SOP-14	Dual D-Type Flip-Flop	.30	.25	.18
512—	74VHC86M	SOIC-14	Qd 2-Input Exclusive-OR Gate	.30	.25	.18
512—	74VHC86MTC	TSSOP-14	Qd 2-Input Exclusive-OR Gate	.30	.25	.18
512—	74VHC86N	DIP-14	Qd 2-Input Exclusive-OR Gate	.43	.36	.26
512—	74VHC86SJ	SOP-14	Qd 2-Input Exclusive-OR Gate	.30	.25	.18
74VHCT Series						
512—	74VHCT00AM	SOIC-14	Quad 2-Input NAND Gate	.32	.26	.20
512—	74VHCT00AMTC	TSSOP-14	Quad 2-Input NAND Gate	.44	.36	.28
512—	74VHCT00AN	DIP-14	Quad 2-Input NAND Gate	.40	.34	.24
512—	74VHCT00ASJ	SOP-14	Quad 2-Input NAND Gate	.28	.23	.17
512—	74VHCT04AM	SOIC-14	Hex Inverter	.32	.26	.20
512—	74VHCT04AMTC	TSSOP-14	Hex Inverter	.44	.36	.28
512—	74VHCT04AN	DIP-14	Hex Inverter	.40	.34	.24
512—	74VHCT04ASJ	SOP-14	Hex Inverter	.28	.23	.17
512—	74VHCT08AM	SOIC-14	Quad 2-Input AND Gate	.32	.26	.20
512—	74VHCT08AMTC	TSSOP-14	Quad 2-Input AND Gate	.44	.36	.28
512—	74VHCT08AN	DIP-14	Quad 2-Input AND Gate	.40	.34	.24
512—	74VHCT08ASJ	SOP-14	Quad 2-Input AND Gate	.28	.23	.17
512—	74VHCT138AM	SOIC-16	3-to-8 Decoder/Demultiplexer	.64	.53	.39
512—	74VHCT138AMTC	TSSOP-16	3-to-8 Decoder/Demultiplexer	.60	.50	.36
512—	74VHCT138AN	DIP-16	3-to-8 Decoder/Demultiplexer	.76	.63	.45
512—	74VHCT138ASJ	SOP-16	3-to-8 Decoder/Demultiplexer	.60	.50	.36
512—	74VHCT14AM	SOIC-14	Hex Schmitt Inverter	.30	.25	.18
512—	74VHCT14AMTC	TSSOP-14	Hex Schmitt Inverter	.30	.25	.18
512—	74VHCT14AN	DIP-14	Hex Schmitt Inverter	.43	.36	.26
512—	74VHCT14ASJ	SOP-14	Hex Schmitt Inverter	.30	.25	.18
512—	74VHCT240AM	SOIC(W)-20	Octal Buffer/Line Driver	.43	.36	.26
512—	74VHCT240AMTC	TSSOP-20	Octal Buffer/Line Driver	.43	.36	.26
512—	74VHCT240AN	DIP-20	Octal Buffer/Line Driver	.48	.40	.29
512—	74VHCT240ASJ	SOP-20	Octal Buffer/Line Driver	.43	.36	.26
512—	74VHCT244AM	SOIC(W)-20	Octal Buffer/Line Driver	.43	.36	.26
512—	74VHCT244AMTC	TSSOP-20	Octal Buffer/Line Driver	.43	.36	.26
512—	74VHCT244AN	DIP-20	Octal Buffer/Line Driver	.68	.57	.41
512—	74VHCT244ASJ	SOP-20	Octal Buffer/Line Driver	.43	.36	.26
512—	74VHCT245AM	SOIC(W)-20	Octal Buffer/Line Driver	.43	.36	.26
512—	74VHCT245AMTC	TSSOP-20	Octal Buffer/Line Driver	.43	.36	.26
512—	74VHCT245AN	DIP-20	Octal Buffer/Line Driver	.68	.57	.41
512—	74VHCT245ASJ	SOP-20	Octal Buffer/Line Driver	.43	.36	.26
512—	74VHCT373AM	SOIC(W)-20	Octal D-type Latch	.43	.36	.26
512—	74VHCT373AMTC	TSSOP-20	Octal D-type Latch	.43	.36	.26
512—	74VHCT373AN	DIP-20	Octal D-type Latch	.68	.57	.41
512—	74VHCT373ASJ	SOP-20	Octal D-type Latch	.43	.36	.26
512—	74VHCT374AM	SOIC(W)-20	Octal D-Type Flip-Flop	.43	.36	.26
512—	74VHCT374AMTC	TSSOP-20	Octal D-Type Flip-Flop	.43	.36	.26
512—	74VHCT374AN	DIP-20	Octal D-Type Flip-Flop	.68	.57	.41
512—	74VHCT374ASJ	SOP-20	Octal D-Type Flip-Flop	.43	.36	.26
512—	74VHCT540AM	SOIC(W)-20	Octal Buffer/Line Driver	1.40	1.19	.89
512—	74VHCT540AN	DIP-20	Octal Buffer/Line Driver	1.46	1.25	.95
512—	74VHCT540ASJ	SOP-20	Octal Buffer/Line Driver	1.26	1.05	.75
512—	74VHCT541AM	SOIC(W)-20	Octal Buffer/Line Driver	1.40	1.19	.89
512—	74VHCT541AMTC	TSSOP-20	Octal Buffer/Line Driver	1.40	1.19	.89
512—	74VHCT541AN	DIP-20	Octal Buffer/Line Driver	1.46	1.25	.95
512—	74VHCT541ASJ	SOP-20	Octal Buffer/Line Driver	1.26	1.05	.75
512—	74VHCT573AM	SOIC(W)-20	Octal D-Type Latch	.45	.38	.27
512—	74VHCT573AMTC	TSSOP-20	Octal D-Type Latch	.45	.38	.27
512—	74VHCT573AN	DIP-20	Octal D-Type Latch	.65	.54	.39
512—	74VHCT573ASJ	SOP-20	Octal D-Type Latch	.45	.38	.27
512—	74VHCT574AM	SOIC(W)-20	Octal D-Type Flip Flop	.45	.38	.27
512—	74VHCT574AMTC	TSSOP-20	Octal D-Type Flip Flop	.45	.38	.27
512—	74VHCT574AN	DIP-20	Octal D-Type Flip Flop	.66	.55	.39
512—	74VHCT574ASJ	SOP-20	Octal D-Type Flip Flop	.45	.38	.27
512—	74VHCT74AM	SOIC-14	Dual D-Type Flip-Flop	.30	.25	.18
512—	74VHCT74AMTC	TSSOP-14	Dual D-Type Flip-Flop	.30	.25	.18
512—	74VHCT74ASJ	SOP-14	Dual D-Type Flip-Flop	.30	.25	.18
74VHCU Series						
512—	74VHCU04M	SOIC-14	Hex Inverter	.34	.31	.22
512—	74VHCU04MTC	TSSOP-14	Hex Inverter	.44	.39	.28
512—	74VHCU04SJ	SOP-14	Hex Inverter	.28	.23	.17

♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
4000 Series						
♦512—	CD4001BCM	SOIC-14	Qd 2-Input NOR Buffered Gate	.28	.23	.17
512—	CD4001BCN	DIP-14	Qd 2-Input NOR Buffered Gate	.45	.38	.28
♦512—	CD4001BCSJ	SOP-14	Qd 2-Input NOR Buffered Gate	.33	.28	.20
♦512—	CD40106BCM	SOIC-14	Hex Schmitt Trigger	.35	.29	.21
512—	CD40106BCN	DIP-14	Hex Schmitt Trigger	.49	.41	.29
♦512—	CD4011BCM	SOIC-14	Quad 2-Input NAND Gate	.33	.27	.20
512—	CD4011BCN	DIP-14	Quad 2-Input NAND Gate	.45	.38	.28
♦512—	CD4011BCSJ	SOP-14	Qd 2-Input NAND Buffered Gate	.38	.32	.23
♦512—	CD4013BCM	SOIC-14	Dual D-Type Flip-Flop	.37	.31	.22
512—	CD4013BCN	DIP-14	Dual D-Type Flip-Flop	.50	.42	.30
♦512—	CD4013BCSJ	SOP-14	Dual D-Type Flip-Flop	.42	.35	.25
♦512—	CD4016BCM	SOIC-14	Quad Bilateral Switch	.28	.23	.17
512—	CD4016BCN	DIP-14	Quad Bilateral Switch	.45	.38	.28
♦512—	CD4021BCM	SOIC-16	8-Stage Static Shift Register	.45	.38	.27
512—	CD4021BCN	DIP-16	8-Stage Static Shift Register	.70	.58	.41
♦512—	CD4047BCM	SOIC-14	Mono/Astable Multivibrator	.45	.38	.27
512—	CD4047BCN	DIP-14	Mono/Astable Multivibrator	.59	.49	.35
♦512—	CD4049UBCM	SOIC-16	Hex Inverting Buffer	.39	.33	.24
512—	CD4049UBCN	DIP-16	Hex Inverting Buffer	.55	.46	.33
♦512—	CD4049UBCSJ	SOP-16	Hex Inverting Buffer	.45	.37	.27
♦512—	CD4050BCM	SOIC-16	Hex Non-Inv Buffer	.43	.36	.26
512—	CD4050BCN	DIP-16	Hex Non-Inv Buffer	.60	.50	.36
♦512—	CD4050BCSJ	SOP-16	Hex Non-Inv Buffer	.45	.38	.27
♦512—	CD4051BCM	SOIC-16	Multiplex/Demultiplexer	.48	.40	.29
♦512—	CD4051BCMTC	TSSOP-16	Multiplex/Demultiplexer	.48	.40	.29
512—	CD4051BCN	DIP-16	Multiplex/Demultiplexer	.70	.58	.41
♦512—	CD4051BCSJ	SOP-16	Multiplex/Demultiplexer	.53	.44	.32
♦512—	CD4052BCM	SOIC-16	Multiplex/Demultiplexer	.48	.40	.29
512—	CD4052BCN	DIP-16	Multiplex/Demultiplexer	.70	.58	.41
♦512—	CD4052BCSJ	SOP-16	Multiplex/Demultiplexer	.53	.44	.32
♦512—	CD4053BCM	SOIC-16	Multiplex/Demultiplexer	.48	.40	.29
512—	CD4053BCN	DIP-16	Multiplex/Demultiplexer	.60	.58	.35
♦512—	CD4053BCSJ	SOP-16	Multiplex/Demultiplexer	.53	.44	.32
♦512—	CD4060BCM	SOIC-16	14-Stage Ripple Binary Counter	.48	.40	.29
512—	CD4060BCN	DIP-16	14-Stage Ripple Binary Counter	.69	.58	.41
♦512—	CD4066BCM	SOIC-14	Quad Bilateral Switch	.39	.34	.26
512—	CD4066BCN	DIP-14	Quad Bilateral Switch	.40	.34	.26
♦512—	CD4066BCSJ	SOP-14	Quad Bilateral Switch	.35	.29	.21
♦512—	CD4069UBCM	SOIC-14	Inverter Circuits	.33	.27	.20
512—	CD4069UBCN	DIP--14	Inverter Circuits	.45	.38	.28
♦512—	CD4069UBCSJ	SOP-14	Inverter Circuits	.38	.32	.23
♦512—	CD4093BCM	SOIC-14	Qd 2-Inp NAND Schmitt Trigger	.35	.29	.21
512—	CD4093BCN	DIP-14	Qd 2-Inp NAND Schmitt Trigger	.40	.34	.26
♦512—	CD4538BCM	SOIC-16	Dual Precision Monostable	.55	.46	.33
512—	CD4538BCN	DIP-16	Dual Precision Monostable	.70	.68	.40
♦512—	CD4538BCWM	SOIC(W)-16	Dual Precision Monostable	1.41	1.18	.84
♦512—	CD4541BCM	SOIC-14	Programmable Timer	.50	.42	.30
512—	CD4541BCN	DIP-14	Programmable Timer	.70	.58	.41
♦512—	CD4724BCM	SOIC-16	Dual 8-Bit Addressable Latch	.50	.42	.30
512—	CD4724BCN	DIP-16	Dual 8-Bit Addressable Latch	.76	.63	.45
74ALS Series						
♦512—	DM74ALS00AM	SOIC-14	Quad 2-Input NAND Gates	.45	.38	.27
512—	DM74ALS00AN	DIP-14	Quad 2-Input NAND Gates	.55	.46	.33
♦512—	DM74ALS00ASJ	SOP-14	Quad 2-Input NAND Gates	.45	.38	.27
♦512—	DM74ALS02M	SOIC-14	Quad 2-Input NOR Gates	.45	.38	.27
512—	DM74ALS02N	DIP-14	Quad 2-Input NOR Gates	.55	.46	.33
♦512—	DM74ALS02SJ	SOP-14	Quad 2-Input NOR Gates	.45	.38	.27
♦512—	DM74ALS03BM	SOIC-14	Quad 2-Input NAND Gates	.45	.38	.27
512—	DM74ALS03BN	DIP-14	Quad 2-Input NAND Gates	.55	.46	.33
♦512—	DM74ALS04BM	SOIC-14	Hex Inverters	.45	.38	.27
512—	DM74ALS04BN	DIP-14	Hex Inverters	.55	.46	.33
♦512—	DM74ALS04BSJ	SOP-14	Hex Inverters	.45	.38	.27
♦512—	DM74ALS05AM	SOIC-14	Hex Inverters	.45	.38	.27
512—	DM74ALS05AN	DIP-14	Hex Inverters	.55	.46	.33
♦512—	DM74ALS08M	SOIC-14	Quad 2-Input AND Gate	.45	.38	.27
♦512—	DM74ALS08SJ	SOP-14	Quad 2-Input AND Gate	.45	.38	.27
♦512—	DM74ALS09M	SOIC-14	Quad 2-Input AND Gate	.45	.38	.27
512—	DM74ALS09N	DIP-14	Quad 2-Input AND Gate	.55	.46	.33
♦512—	DM74ALS1000AM	SOIC-14	Quadruple 2-Input NAND Buffer	.76	.63	.45
512—	DM74ALS1000AN	DIP-14	Quadruple 2-Input NAND Buffer	.90	.75	.54
♦512—	DM74ALS1004M	SOIC-14	Hex Inverting Driver	.76	.63	.45
512—	DM74ALS1004N	DIP-14	Hex Inverting Driver	.90	.75	.54
♦512—	DM74ALS1005M	SOIC-14	Hex Inverting Driver	.76	.63	.45
512—	DM74ALS1005N	DIP-14	Hex Inverting Driver	.90	.75	.54
♦512—	DM74ALS1008AM	SOIC-14	Quadruple 2-Input AND Buffer	.76	.63	.45
512—	DM74ALS1008AN	DIP-14	Quadruple 2-Input AND Buffer	.90	.75	.54
512—	DM74ALS1032AN	DIP-14	Quadruple 2-Input OR Buffer	.85	.72	.51
♦512—	DM74ALS1034M	SOIC-14	Hex Non-Inverting Driver	.76	.63	.45
512—	DM74ALS1034N	DIP-14	Hex Non-Inverting Driver	.90	.75	.54
♦512—	DM74ALS1035M	SOIC-14	Hex Non-Inverting Driver	.76	.63	.45
512—	DM74ALS1035N	DIP-14	Hex Non-Inverting Driver	.90	.75	.54
♦512—	DM74ALS109AM	SOIC-16	DI J-K Edge-Triggered Flip-Flop	.63	.52	.38
512—	DM74ALS109AN	DIP-16	DI J-K Edge-Triggered Flip-Flop	.81	.67	.48
♦512—	DM74ALS10AM	SOIC-14	Triple 3-Input NAND Gate	.45	.38	.27
512—	DM74ALS10AN	DIP-14	Triple 3-Input NAND Gate	.55	.46	.33
♦512—	DM74ALS10ASJ	SOP-14	Triple 3-Input NAND Gate	.45	.38	.27
♦512—	DM74ALS11AM	SOIC-14	Triple 3-Input AND Gate	.45	.38	.27

♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
74DM Series (cont.)						
512—	DM74ALS11AN	DIP-14	Triple 3-Input AND Gate	.55	.46	.33
512—	DM74ALS125N	DIP-14	Quad 3-STATE Buffer	2.79	2.35	1.71
♦512—	DM74ALS133M	SOIC-16	13-Input NAND Gate	.71	.59	.42
512—	DM74ALS133N	DIP-16	13-Input NAND Gate	.68	.57	.42
♦512—	DM74ALS137M	SOIC-16	3-to-8-Ln Decoder/Demultiplexer	.71	.59	.42
512—	DM74ALS137N	DIP-16	3-to-8-Ln Decoder/Demultiplexer	.78	.65	.46
♦512—	DM74ALS138M	SOIC-16	3-to-8-Ln Decoder/Demultiplexer	.71	.59	.42
512—	DM74ALS138N	DIP-16	3-to-8-Ln Decoder/Demultiplexer	.78	.65	.46
♦512—	DM74ALS138SJ	SOP-16	3-to-8-Ln Decoder/Demultiplexer	.71	.59	.42
512—	DM74ALS14N	DIP-14	Hex Inverter Hex Inverter	2.52	2.10	1.50
♦512—	DM74ALS14SJ	SOP-14	Hex Inverter Hex Inverter	2.52	2.10	1.50
♦512—	DM74ALS151M	SOIC-16	1-of-8 Line Selector/Multiplexer	.71	.59	.42
512—	DM74ALS151N	DIP-16	1 of 8 Line Selector/Multiplexer	.78	.65	.46
♦512—	DM74ALS153M	SOIC-16	Dual 1-of-4 Selector/Multiplexer	.71	.59	.42
512—	DM74ALS153N	DIP-16	Dual 1-of-4 Selector/Multiplexer	.82	.69	.49
♦512—	DM74ALS153SJ	SOP-16	Dual 1-of-4 Selector/Multiplexer	.71	.59	.42
♦512—	DM74ALS157M	SOIC-16	Qd 1 of 2 Selector/Multiplexer	.71	.59	.42
512—	DM74ALS157N	DIP-16	Qd 1 of 2 Selector/Multiplexer	.82	.69	.49
♦512—	DM74ALS157SJ	SOP-16	Qd 1 of 2 Selector/Multiplexer	.71	.59	.42
512—	DM74ALS158N	DIP-16	Qd 1 of 2 Selector/Multiplexer	.86	.71	.51
♦512—	DM74ALS161BM	SOIC-16	Synch Four-Bit Binary Counter	.76	.63	.45
512—	DM74ALS161BN	DIP-16	Synch Four-Bit Binary Counter	.85	.71	.51
♦512—	DM74ALS162BM	SOIC-16	Synch 4-Bit Decade Counter	.76	.63	.45
512—	DM74ALS162BN	DIP-16	Synch 4-Bit Decade Counter	.85	.71	.51
♦512—	DM74ALS163BM	SOIC-16	Synch Four-Bit Binary Counter	.76	.63	.45
512—	DM74ALS163BN	DIP-16	Synch Four-Bit Binary Counter	.85	.71	.51
♦512—	DM74ALS165M	SOIC-16	8-Bit Par In/Ser Out Shift Reg	.76	.63	.45
512—	DM74ALS165N	DIP-16	8-Bit Par In/Ser Out Shift Reg	.85	.71	.51
♦512—	DM74ALS169BM	SOIC-16	Synch 4-Bit Up/Down Counters	.76	.63	.45
512—	DM74ALS169BN	DIP-16	Synch 4-Bit Up/Down Counters	.91	.76	.54
♦512—	DM74ALS174M	SOIC-16	Hex/Quad D Flip-Flops	.91	.76	.54
♦512—	DM74ALS174N	DIP-16	Hex/Quad D Flip-Flops	.85	.71	.51
♦512—	DM74ALS174SJ	SOP-16	Hex/Quad D Flip-Flops	.76	.63	.45
♦512—	DM74ALS175M	SOIC-16	Hex/Quad D Flip-Flops	.76	.63	.45
512—	DM74ALS175N	DIP-16	Hex/Quad D Flip-Flops	.75	.63	.46
♦512—	DM74ALS175SJ	SOP-16	Hex/Quad D Flip-Flops	.76	.63	.45
♦512—	DM74ALS20AM	SOIC-14	Dual 4-Input NAND Gates	.45	.38	.27
512—	DM74ALS20AN	DIP-14	Dual 4-Input NAND Gates	.55	.46	.33
♦512—	DM74ALS21AM	SOIC-14	Dual 4-Input AND Gates	.45	.38	.27
512—	DM74ALS21AN	DIP-14	Dual 4-Input AND Gates	.55	.46	.33
512—	DM74ALS240AN	DIP-20	Octal 3-STATE Bus Driver	.99	.83	.60
♦512—	DM74ALS240ASJ	SOP-20	Octal 3-STATE Bus Driver	.91	.76	.54
♦512—	DM74ALS240AWM	SOIC(W)-20	Octal 3-STATE Bus Driver	.91	.76	.54
512—	DM74ALS241AN	DIP-20	Octal 3-STATE Bus Driver	.99	.83	.60
♦512—	DM74ALS241AWM	SOIC(W)-20	Octal 3-STATE Bus Driver	.91	.76	.54
♦512—	DM74ALS244AMSA	SSOP-20	Octal 3-STATE Bus Driver	1.32	1.09	.79
512—	DM74ALS244AN	DIP-20	Octal 3-STATE Bus Driver	.92	.76	.56
♦512—	DM74ALS244ASJ	SOP-20	Octal 3-STATE Bus Driver	.91	.76	.54
♦512—	DM74ALS244AWM	SOIC(W)-20	Octal 3-STATE Bus Driver	.91	.76	.54
♦512—	DM74ALS245AMSA	SSOP-20	Octal 3-STATE Bus Transceiver	1.34	1.11	.79
512—	DM74ALS245AN	DIP-20	Octal 3-STATE Bus Transceiver	.96	.79	.58
♦512—	DM74ALS245ASJ	SOP-20	Octal 3-STATE Bus Transceiver	.91	.76	.54
♦512—	DM74ALS245AWM	SOIC(W)-20	Octal 3-STATE Bus Transceiver	.91	.76	.54
♦512—	DM74ALS251M	SOIC-16	1-of-8 Data Selector/Multiplexer	.71	.59	.42
512—	DM74ALS251N	DIP-16	1-of-8 Data Selector/Multiplexer	.82	.69	.49
♦512—	DM74ALS251SJ	SOP-16	1-of-8 Data Selector/Multiplexer	.71	.59	.42
♦512—	DM74ALS253M	SOIC-16	Dl 1-of-4 Selector/Multiplexer	.71	.59	.42
512—	DM74ALS253N	DIP-16	Dl 1-of-4 Selector/Multiplexer	.82	.69	.49
♦512—	DM74ALS257M	SOIC-16	Qd 1-of-2 Selector/Multiplexer	.71	.59	.42
512—	DM74ALS257N	DIP-16	Qd 1-of-2 Selector/Multiplexer	.79	.66	.47
♦512—	DM74ALS257SJ	SOP-16	Qd 1-of-2 Selector/Multiplexer	.71	.59	.42
♦512—	DM74ALS258M	SOIC-16	Qd 1-of-2 Selector/Multiplexer	.70	.58	.41
512—	DM74ALS258N	DIP-16	Qd 1-of-2 Selector/Multiplexer	.82	.69	.49
♦512—	DM74ALS273MSA	SSOP-20	Octal D-Type Flip-Flops	1.34	1.11	.79
512—	DM74ALS273N	DIP-20	Octal D-Type Flip-Flops	1.29	1.05	.72
♦512—	DM74ALS273SJ	SOP-20	Octal D-Type Flip-Flops	.91	.76	.54
♦512—	DM74ALS273WM	SOIC(W)-20	Octal D-Type Flip-Flops	.91	.76	.54
♦512—	DM74ALS27M	SOIC-14	Triple 3-Input NOR Gates	.55	.46	.33
512—	DM74ALS27N	DIP-14	Triple 3-Input NOR Gates	.58	.50	.36
♦512—	DM74ALS30AM	SOIC-14	8 Input NAND Gates	.55	.46	.33
512—	DM74ALS30AN	DIP-14	8 Input NAND Gates	.58	.50	.36
♦512—	DM74ALS30ASJ	SOP-14	8 Input NAND Gates	.55	.46	.33
♦512—	DM74ALS32M	SOIC-14	Quad 2-Input OR Gate	.45	.38	.27
512—	DM74ALS32N	DIP-14	Quad 2-Input OR Gate	.55	.46	.33
♦512—	DM74ALS32SJ	SOP-14	Quad 2-Input OR Gate	.45	.38	.27
512—	DM74ALS373N	DIP-20	Octal D-Type Transparent Latch	.87	.72	.53
♦512—	DM74ALS373SJ	SOP-20	Octal D-Type Transparent Latch	.91	.76	.54
♦512—	DM74ALS373WM	SOIC-20	Octal D-Type Transparent Latch	.91	.76	.54
512—	DM74ALS374N	DIP-20	Oct 3-STATE D-Type Flip-Flops	.87	.72	.53
♦512—	DM74ALS374SJ	SOP-20	Oct 3-STATE D-Type Flip-Flops	.91	.76	.54
♦512—	DM74ALS374WM	SOIC(W)-20	Oct 3-STATE D-Type Flip-Flops	.91	.76	.54
♦512—	DM74ALS37AM	SOIC-14	Quadruple 2-Input NAND Buffer	.43	.36	.27
512—	DM74ALS37AN	DIP-14	Quadruple 2-Input NAND Buffer	.48	.41	.31
♦512—	DM74ALS38AM	SOIC-14	Quadruple 2-Input NAND Buffer	.43	.36	.27
512—	DM74ALS38AN	DIP-14	Quadruple 2-Input NAND Buffer	.59	.49	.36
♦512—	DM74ALS520N	DIP-20	8-Bit Comparator	1.36	1.13	.81
512—	DM74ALS520WM	SOIC(W)-20	8-Bit Comparator	1.21	1.01	.72

♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
512—	DM74ALS521N	DIP-20	8-Bit Comparator	1.36	1.13	.81
♦512—	DM74ALS521WM	SOIC(W)-20	8-Bit Comparator	1.21	1.01	.72
512—	DM74ALS5245N	DIP-20	Octal 3-STATE Transceiver	1.91	1.59	1.14
♦512—	DM74ALS5245SJ	SOP-20	Octal 3-STATE Transceiver	1.92	1.60	1.14
512—	DM74ALS533N	DIP-20	Octal D-Type Latches	1.36	1.13	.81
♦512—	DM74ALS533WM	SOIC(W)-20	Octal D-Type Latches	1.21	1.01	.72
512—	DM74ALS534N	DIP-20	Octal D-Type Flip-Flop	1.36	1.13	.81
♦512—	DM74ALS534WM	SOIC(W)-20	Octal D-Type Flip-Flop	1.21	1.01	.72
512—	DM74ALS540AN	DIP-20	Octal Inverting Buffer/Line	1.36	1.13	.81
♦512—	DM74ALS540ASJ	SOP-20	Octal Inverting Buffer/Line	1.21	1.01	.72
♦512—	DM74ALS540AWM	SOIC(W)-20	Octal Inverting Buffer/Line	1.21	1.01	.72
512—	DM74ALS541N	DIP-20	Octal Inverting Buffer/Line Driver	1.36	1.13	.81
♦512—	DM74ALS541SJ	SOP-20	Octal Inverting Buffer/Line Driver	1.21	1.01	.72
♦512—	DM74ALS541WM	SOIC(W)-20	Octal Inverting Buffer/Line Driver	1.21	1.01	.72
512—	DM74ALS563AN	DIP-20	Octal D-Type Transparent Latch	1.36	1.13	.81
♦512—	DM74ALS563AWM	SOIC(W)-20	Octal D-Type Transparent Latch	1.21	1.01	.72
512—	DM74ALS564AN	DIP-20	Octal Edge Triggered Flip-Flop	1.36	1.13	.81
♦512—	DM74ALS564AWM	SOIC(W)-20	Octal Edge Triggered Flip-Flop	1.21	1.01	.72
512—	DM74ALS573BN	DIP-20	Octal D-Type Transparent Latch	1.11	.93	.68
♦512—	DM74ALS573BSJ	SOP-20	Octal D-Type Transparent Latch	1.21	1.01	.72
♦512—	DM74ALS573BWM	SOIC(W)-20	Octal D-Type Transparent Latch	.90	.77	.58
512—	DM74ALS574AN	DIP-20	Octal Edge Triggered Flip-Flop	1.11	.93	.68
♦512—	DM74ALS574ASJ	SOP-20	Octal Edge Triggered Flip-Flop	1.21	1.01	.72
♦512—	DM74ALS574AWM	SOIC(W)-20	Octal Edge Triggered Flip-Flop	.90	.77	.58
512—	DM74ALS576AN	DIP-20	Octal D-Type Flip-Flop	1.11	.93	.67
♦512—	DM74ALS576AWM	SOIC(W)-20	Octal D-Type Flip-Flop	.86	.74	.56
512—	DM74ALS580AN	DIP-20	Octal D-Type Transparent Latch	2.21	1.84	1.32
512—	DM74ALS640AN	DIP-20	Inverting Octal Bus Transceiver	1.61	1.34	.96
♦512—	DM74ALS640AWM	SOIC(W)-20	Inverting Octal Bus Transceiver	1.61	1.34	.96
512—	DM74ALS645AN	DIP-20	Octal Bus Transceiver	1.61	1.34	.96
♦512—	DM74ALS645AWM	SOIC(W)-20	Octal Bus Transceiver	1.23	1.05	.79
512—	DM74ALS646NT	DIP-24	Octal 3-STATE Trans/Register	3.28	2.73	1.95
512—	DM74ALS652NT	DIP-24	Octal 3-STATE Bus Transceiver	3.28	2.73	1.95
♦512—	DM74ALS652WM	SOIC-24(W)	Octal 3-STATE Bus Trans and Register	3.28	2.73	1.95
♦512—	DM74ALS74AM	SOIC-14	Dl Positive Triggered Flip-Flop	.55	.46	.33
512—	DM74ALS74AN	DIP-14	Dl Positive Triggered Flip-Flop	.58	.50	.36
♦512—	DM74ALS74ASJ	SOP-14	Dl Positive Triggered Flip-Flop	.55	.46	.33
512—	DM74ALS804AN	DIP-20	Hex 2-Input NAND Driver	2.50	2.09	1.50
♦512—	DM74ALS86M	SOIC-14	Qd 2-Input Exclusive-OR Gate	.52	.44	.32
512—	DM74ALS86N	DIP-14	Qd 2-Input Exclusive-OR Gate	.58	.50	.36
♦512—	DM74ALS874BNT	DIP-24	Dual 4-Bit D-Type Flip-Flop	2.52	2.10	1.50
74AS Series						
♦512—	DM74AS00M	SOIC-14	Quad 2-Input NAND Gate	.81	.66	.49
512—	DM74AS00N	DIP-14	Quad 2-Input NAND Gate	.81	.66	.49
♦512—	DM74AS04M	SOIC-14	Hex Inverter	.81	.66	.49
512—	DM74AS04N	DIP-14	Hex Inverter	.81	.66	.49
♦512—	DM74AS04SJ	SOP-14	Hex Inverter	1.30	1.09	.78
♦512—	DM74AS08M	SOIC-14	Quad 2-Input AND Gate	.81	.67	.48
512—	DM74AS08N	DIP-14	Quad 2-Input AND Gate	.81	.67	.48
512—	DM74AS1004AN	DIP-14	Hex Inverting Driver	2.02	1.70	1.25
512—	DM74AS1032AN	DIP-14	Quadruple 2-Input OR Driver	2.02	1.70	1.25
♦512—	DM74AS1034AM	SOIC-14	Hex Non-Inverting Drivers	2.00	1.67	1.19
512—	DM74AS1034AN	DIP-14	Hex Non-Inverting Drivers	2.02	1.70	1.25
♦512—	DM74AS10M	SOIC-14	Triple 3-Input NAND Gate	.81	.66	.49
512—	DM74AS10N	DIP-14	Triple 3-Input NAND Gate	.83	.69	.50
♦512—	DM74AS157M	SOIC-16	Quad Data Selector/Multiplexer	2.00	1.67	1.19
512—	DM74AS157N	DIP-16	Quad Data Selector/Multiplexer	2.00	1.67	1.19
♦512—	DM74AS157SJ	SOP-16	Quad Data Selector/Multiplexer	2.51	2.09	1.49
♦512—	DM74AS158M	SOIC-16	Quad Data Selector/Multiplexer	2.00	1.67	1.19
512—	DM74AS158N	DIP-16	Quad Data Selector/Multiplexer	2.01	1.69	1.22
♦512—	DM74AS21M	SOIC-14	Dual 4-Input AND Gate	.81	.66	.49
512—	DM74AS21N	DIP-14	Dual 4-Input AND Gate	.83	.69	.50
512—	DM74AS240N	DIP-20	Octal Inv Buffer/Driver/Receiver	3.26	2.71	1.94
512—	DM74AS244N	DIP-20	Octal Inv Buffer/Driver/Receiver	3.26	2.71	1.94
♦512—	DM74AS244SJ	SOP-20	Octal Inv Buffer/Driver/Receiver	3.63	3.04	2.19
512—	DM74AS245N	DIP-20	Octal 3-STATE Bus Transceivers	3.26	2.71	1.94
♦512—	DM74AS257M	SOIC-16	Qd 1-of-2 Selector/Multiplexer	2.00	1.67	1.19
512—	DM74AS257N	DIP-16	Qd 1-of-2 Selector/Multiplexer	2.00	1.67	1.19
♦512—	DM74AS257SJ	SOP-16	Qd 1-of-2 Selector/Multiplexer	2.55	2.15	1.57
♦512—	DM74AS258M	SOIC-16	Qd Data Selector/Multiplexer	2.00	1.67	1.19
512—	DM74AS258N	DIP-16	Qd Data Selector/Multiplexer	2.00	1.67	1.19
♦512—	DM74AS27M	SOIC-14	Triple 3-Input NOR Gate	.96	.80	.57
512—	DM74AS27N	DIP-14	Triple 3-Input NOR Gate	.99	.85	.64
512—	DM74AS280N	SOIC-14	9-Bit Parity Generator/Checker	2.26	1.89	1.35
♦512—	DM74AS30M	SOIC-14	8 Input NAND Gate	.96	.80	.57
512—	DM74AS30N	DIP-14	8 Input NAND Gate	.96	.80	.57
♦512—	DM74AS32M	SOIC-14	Quad 2-Input OR Gate	.81	.66	.49
512—	DM74AS32N	DIP-14	Quad 2-Input OR Gate	.81	.66	.49
♦512—	DM74AS32SJ	SOP-14	Quad 2-Input OR Gate	1.30	1.09	.78
512—	DM74AS34N	DIP-14	Hex Non-Inverter	2.35	1.99	1.47
512—	DM74AS373N	DIP-20	Octal D-Type Transparent Latch	3.26	2.71	1.94
512—	DM74AS374N	DIP-20	Octal D-Type Flip-Flop	3.26	2.71	1.94
512—	DM74AS573N	DIP-20	Octal D-Type Transparent Latch	3.40	2.84	2.02
512—	DM74AS574N	DIP-20	Octal D-Type Flip-Flop	3.40	2.84	2.02
♦512—	DM74AS74M	SOIC-14	Dual D Edge-Triggered Flip-Flop	.96	.80	.57
512—	DM74AS74N	DIP-14	Dual D Edge-Triggered Flip-Flop	.98	.82	.59
512—	DM74AS74SJ	SOP-14	Dual D Edge-Triggered Flip-Flop	1.25	1.06	.75

Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
lfr.	Mfr. Part Number			1	25	100
XL Series						
12—	FXL4245MPX	MLP-24	Dual Supply 8-Bit Signal Translator	1.93	1.61	1.15
12—	FXL4T245BQX	DQFN-14	Dual Supply 4-Bit Signal Translator	1.72	1.44	1.03
12—	FXL5T244BQX	DQFN-14	Dual Supply 5-Bit Signal Translator	1.72	1.44	1.03
12—	FXLH42245MPX	MLP-24	Dual Supply 8-Bit Translator	1.93	1.61	1.15
12—	FXLP34L6X	MicroPak-6	Single Bit Uni-Directional Translator	.82	.69	.49
12—	FXLP34P5X	SC70-5	Single Bit Uni-Directional Translator	.79	.66	.47
4C Series						
12—	MM74C00N	DIP-14	Quad 2-Input NAND Gate	1.94	1.61	1.42
12—	MM74C04N	DIP-14	Hex Inverter	1.94	1.61	1.42
12—	MM74C14M	SOIC-14	Hex Schmitt Trigger	.86	.72	.64
12—	MM74C14N	DIP-14	Hex Schmitt Trigger	.86	.72	.64
12—	MM74C221N	DIP-16	Dual Monostable Multivibrator	6.93	5.86	5.22
12—	MM74C240N	DIP-20	Inv Octal Buffer/ Line Driver	6.33	5.28	4.64
12—	MM74C240WM	SOIC-20	Inv Octal Buffer/ Line Driver	6.33	5.28	4.64
12—	MM74C244N	DIP-20	Non-Inv Octal Buffer/ Line Driver	6.33	5.28	4.64
12—	MM74C373N	DIP-20	Octal 3-STATE D-Type Latch	6.19	5.16	4.54
12—	MM74C74N	DIP-14	Dual D-Type Flip-Flop	2.71	2.27	2.00
12—	MM74C905N	DIP-24	12-Bit Succ Approx Register	21.39	17.85	15.71
12—	MM74C906M	SOIC-14	Hex Open Drain N-Ch Buffers	3.08	2.57	2.26
12—	MM74C906N	DIP-14	Hex N-Channel Buffer	3.10	2.61	2.31
12—	MM74C914M	SOIC-14	Hex Schmitt Trigger	5.35	4.57	4.10
12—	MM74C914N	DIP-14	Hex Schmitt Trigger	5.35	4.57	4.10
12—	MM74C922N	DIP-18	16-Key Encoder	11.08	9.24	8.13
12—	MM74C922WM	SOIC-20	16-Key Encoder	11.08	9.24	8.13
12—	MM74C923N	DIP-20	20-Key Encoder	11.08	9.24	8.13
12—	MM74C923WM	SOIC-20	20-Key Encoder	11.08	9.24	8.13
12—	MM74C926N	DIP-18	4-Digit Counter	18.95	15.80	13.90
4HC Series						
12—	MM74HC00M	SOIC-14	Quad 2-Input NAND Gate	.18	.15	.13
12—	MM74HC00MTC	TSSOP-14	Quad 2-Input NAND Gate	.18	.15	.13
12—	MM74HC00N	DIP-14	Quad 2-Input NAND Gate	.29	.24	.21
12—	MM74HC00SJ	SOP-14	Quad 2-Input NAND Gate	.18	.15	.13
12—	MM74HC02M	SOIC-14	Quad 2-Input NOR Gate	.18	.15	.13
12—	MM74HC02MTC	TSSOP-14	Quad 2-Input NOR Gate	.18	.15	.13
12—	MM74HC02N	DIP-14	Quad 2-Input NOR Gate	.29	.24	.21
12—	MM74HC02SJ	SOP-14	Quad 2-Input NOR Gate	.18	.15	.13
12—	MM74HC04M	SOIC-14	Hex Inverter	.18	.15	.13
12—	MM74HC04MTC	TSSOP-14	Hex Inverter	.18	.15	.13
12—	MM74HC04N	DIP-14	Hex Inverter	.29	.24	.21
12—	MM74HC04SJ	SOP-14	Hex Inverter	.18	.15	.13
12—	MM74HC08M	SOIC-14	Quad 2-Input AND Gate	.18	.15	.13
12—	MM74HC08MTC	TSSOP-14	Quad 2-Input AND Gate	.18	.15	.13
12—	MM74HC08N	DIP-14	Quad 2-Input AND Gate	.29	.24	.21
12—	MM74HC08SJ	SOP-14	Quad 2-Input AND Gate	.18	.15	.13
12—	MM74HC123AM	SOIC-16	Dual Multivibrator	.28	.23	.21
12—	MM74HC123AMTC	TSSOP-16	Dual Multivibrator	.42	.35	.32
12—	MM74HC123AN	DIP-16	Dual Multivibrator	.36	.30	.26
12—	MM74HC123ASJ	SOP-16	Dual Multivibrator	.40	.33	.29
12—	MM74HC125M	SOIC-14	3-STATE Quad Buffers	.25	.21	.18
12—	MM74HC125MTC	TSSOP-14	3-STATE Quad Buffers	.25	.21	.18
12—	MM74HC125N	DIP-14	3-STATE Quad Buffers	.34	.29	.25
12—	MM74HC125SJ	SOP-14	3-STATE Quad Buffers	.25	.21	.18
12—	MM74HC126M	SOIC-14	3-STATE Quad Buffers	.32	.26	.24
12—	MM74HC126MTC	TSSOP-14	3-STATE Quad Buffers	.36	.30	.27
12—	MM74HC126N	DIP-14	3-STATE Quad Buffers	.34	.29	.25
12—	MM74HC126SJ	SOP-14	3-STATE Quad Buffers	.25	.21	.18
12—	MM74HC132M	SOIC-14	Quad 2-Input NAND Sch Trigger	.32	.26	.24
12—	MM74HC132MTC	TSSOP-14	Quad 2-Input NAND Sch Trigger	.36	.30	.27
12—	MM74HC132N	DIP-14	Quad 2-Input NAND Sch Trigger	.34	.29	.25
12—	MM74HC132SJ	SOP-14	Quad 2-Input NAND Sch Trigger	.25	.21	.18
12—	MM74HC138M	SOIC-16	3 to 8 Line Decoder	.29	.24	.21
12—	MM74HC138MTC	TSSOP-16	3 to 8 Line Decoder	.29	.24	.21
12—	MM74HC138N	DIP-16	3 to 8 Line Decoder	.45	.38	.33
12—	MM74HC138SJ	SOP-16	3 to 8 Line Decoder	.29	.24	.21
12—	MM74HC14M	SOIC-14	Hex Inverting Schmitt Trigger	.20	.17	.15
12—	MM74HC14MTC	TSSOP-14	Hex Inverting Schmitt Trigger	.20	.17	.15
12—	MM74HC14N	DIP-14	Hex Inverting Schmitt Trigger	.31	.26	.22
12—	MM74HC14SJ	SOP-14	Hex Inverting Schmitt Trigger	.20	.17	.15
12—	MM74HC151M	SOIC-16	8-Channel Digital Multiplexer	.29	.24	.21
12—	MM74HC151MTC	TSSOP-16	8-Channel Digital Multiplexer	.29	.24	.21
12—	MM74HC151N	DIP-16	8-Channel Digital Multiplexer	.45	.38	.33
12—	MM74HC151SJ	SOP-16	8-Channel Digital Multiplexer	.29	.24	.21
12—	MM74HC154MTC	TSSOP-24	4-to-16 Line Decoder	.29	.24	.21
12—	MM74HC154N	DIP-24	4-to-16 Line Decoder	1.01	.84	.74
12—	MM74HC154WM	SOIC(W)-24	4-to-16 Line Decoder	.54	.45	.40
12—	MM74HC157M	SOIC-16	Quad 2-Input Multiplexer	.29	.24	.21
12—	MM74HC157MTC	TSSOP-16	Quad 2-Input Multiplexer	.29	.24	.21
12—	MM74HC157N	DIP-16	Quad 2-Input Multiplexer	.45	.38	.33
12—	MM74HC157SJ	SOP-16	Quad 2-Input Multiplexer	.29	.24	.21
12—	MM74HC164M	SOIC-14	8-Bit Serial Shift Register	.36	.30	.26
12—	MM74HC164N	DIP-14	8-Bit Serial Shift Register	.47	.39	.34
12—	MM74HC165M	SOIC-6	Parallel-in/Serial-out 8-Bit Reg	.36	.30	.26
12—	MM74HC165MTC	TSSOP-16	Parallel-in/Serial-out 8-Bit Reg	.36	.30	.26
12—	MM74HC165N	DIP-16	Parallel-in/Serial-out 8-Bit Reg	.47	.39	.34
12—	MM74HC165SJ	SOP-16	Parallel-in/Serial-out 8-Bit Reg	.36	.30	.26
12—	MM74HC174M	SOIC-16	Hex D-Type Flip-Flop with Clear	.36	.30	.26
12—	MM74HC174MTC	TSSOP-16	Hex D-Type Flip-Flop with Clear	.36	.30	.26

♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
512—	MM74HC174N	DIP-16	Hex D-Type Flip-Flop with Clear	.47	.39	.34
♦512—	MM74HC174SJ	SOP-16	Hex D-Type Flip-Flop with Clear	.36	.30	.26
♦512—	MM74HC175M	SOIC-16	Qd D-Type Flip-Flop with Clear	.36	.30	.26
♦512—	MM74HC175MTC	TSSOP-16	Qd D-Type Flip-Flop with Clear	.36	.30	.26
512—	MM74HC175N	DIP-16	Qd D-Type Flip-Flop with Clear	.47	.39	.34
♦512—	MM74HC175SJ	SOP-16	Qd D-Type Flip-Flop with Clear	.36	.30	.26
♦512—	MM74HC240MTC	TSSOP-20	Inverting Octal 3-STATE Buffer	.31	.26	.22
512—	MM74HC240N	DIP-20	Inverting Octal 3-STATE Buffer	.41	.35	.30
♦512—	MM74HC240SJ	SOP-20	Inverting Octal 3-STATE Buffer	.31	.26	.22
♦512—	MM74HC240WM	SOIC(W)-20	Inverting Octal 3-STATE Buffer	.31	.26	.22
♦512—	MM74HC244MTC	TSSOP-20	Octal 3-STATE Buffer	.31	.26	.22
512—	MM74HC244N	DIP-20	Octal 3-STATE Buffer	.41	.35	.30
♦512—	MM74HC244SJ	SOP-20	Octal 3-STATE Buffer	.31	.26	.22
♦512—	MM74HC244WM	SOIC(W)-20	Octal 3-STATE Buffer	.31	.26	.22
♦512—	MM74HC245AMTC	TSSOP-20	Octal 3-STATE Transceiver	.31	.26	.22
512—	MM74HC245AN	DIP-20	Octal 3-STATE Transceiver	.41	.35	.30
♦512—	MM74HC245ASJ	SOP-20	Octal 3-STATE Transceiver	.31	.26	.22
♦512—	MM74HC245AWM	SOIC(W)-20	Octal 3-STATE Transceiver	.31	.26	.22
♦512—	MM74HC251M	SOIC-16	8-Channel 3-STATE Multiplexer	.29	.24	.21
♦512—	MM74HC251MTC	TSSOP-16	8-Channel 3-STATE Multiplexer	.29	.24	.21
512—	MM74HC251N	DIP-16	8-Channel 3-STATE Multiplexer	.45	.38	.33
♦512—	MM74HC251SJ	SOP-16	8-Channel 3-STATE Multiplexer	.29	.24	.21
♦512—	MM74HC259M	SOIC-16	8-Bit Latch/Decoder	.29	.24	.21
♦512—	MM74HC259MTC	TSSOP-16	8-Bit Latch/Decoder	.29	.24	.21
512—	MM74HC259N	DIP-16	8-Bit Latch/Decoder	.45	.38	.33
♦512—	MM74HC259SJ	SOP-16	8-Bit Latch/Decoder	.29	.24	.21
♦512—	MM74HC273MTC	TSSOP-20	Octal D-Type Flip-Flop	.31	.26	.22
512—	MM74HC273N	DIP-20	Octal D-Type Flip-Flop	.41	.35	.30
♦512—	MM74HC273SJ	SOP-20	Octal D-Type Flip-Flop	.31	.26	.22
♦512—	MM74HC273WM	SOIC-20	Octal D-Type Flip-Flop	.31	.26	.22
♦512—	MM74HC32M	SOIC-14	Quad 2-Input OR Gate	.18	.15	.13
♦512—	MM74HC32MTC	TSSOP-14	Quad 2-Input OR Gate	.18	.15	.13
512—	MM74HC32N	DIP-14	Quad 2-Input OR Gate	.29	.24	.21
♦512—	MM74HC32SJ	SOP-14	Quad 2-Input OR Gate	.18	.15	.13
♦512—	MM74HC373MTC	TSSOP-20	3-STATE Octal D-Type Latch	.31	.26	.22
512—	MM74HC373N	DIP-20	3-STATE Octal D-Type Latch	.41	.35	.30
♦512—	MM74HC373SJ	SOP-20	3-STATE Octal D-Type Latch	.31	.26	.22
♦512—	MM74HC373WM	SOIC(W)-20	3-STATE Octal D-Type Latch	.31	.26	.22
♦512—	MM74HC374MTC	TSSOP-20	3-STATE Oct D-Type Flip-Flop	.31	.26	.22
512—	MM74HC374N	DIP-20	3-STATE Oct D-Type Flip-Flop	.43	.36	.31
♦512—	MM74HC374SJ	SOP-20	3-STATE Oct D-Type Flip-Flop	.31	.26	.22
♦512—	MM74HC374WM	SOIC(W)-20	3-STATE Oct D-Type Flip-Flop	.31	.26	.22
♦512—	MM74HC393M	SOIC-14	Dual 4-Bit Binary Counter	.31	.26	.22
512—	MM74HC393N	DIP-14	Dual 4-Bit Binary Counter	.41	.35	.30
♦512—	MM74HC393SJ	SOP-14	Dual 4-Bit Binary Counter	.31	.26	.22
♦512—	MM74HC4040M	SOIC-16	12-Stage Binary Counter	.43	.36	.32
♦512—	MM74HC4040MTC	TSSOP-16	12-Stage Binary Counter	.43	.36	.32
512—	MM74HC4040N	DIP-16	12-Stage Binary Counter	.54	.45	.40
♦512—	MM74HC4040SJ	SOP-16	12-Stage Binary Counter	.43	.36	.32
♦512—	MM74HC4046M	SOIC-16	CMOS Phase Locked Loop	.43	.36	.32
♦512—	MM74HC4046MTC	TSSOP-16	CMOS Phase Locked Loop	.43	.36	.32
512—	MM74HC4046N	DIP-16	CMOS Phase Locked Loop	.54	.45	.40
♦512—	MM74HC4046SJ	SOP-16	CMOS Phase Locked Loop	.43	.36	.32
♦512—	MM74HC4049M	SOIC-16	Hex Inv Logic Down Converter	.38	.32	.28
♦512—	MM74HC4049MTC	TSSOP-16	Hex Inv Logic Down Converter	.38	.32	.28
512—	MM74HC4049N	DIP-16	Hex Inv Logic Down Converter	.47	.39	.34
♦512—	MM74HC4050M	SOIC-16	Hex Logic Level Down Conv	.47	.39	.34
♦512—	MM74HC4050MTC	TSSOP-16	Hex Logic Level Down Conv	.47	.39	.34
512—	MM74HC4050N	DIP-16	Hex Logic Level Down Conv	.58	.48	.42
♦512—	MM74HC4051M	SOIC-16	8-Channel Analog Multiplexer	.47	.39	.34
♦512—	MM74HC4051MTC	TSSOP-16	8-Channel Analog Multiplexer	.47	.39	.34
512—	MM74HC4051N	DIP-16	8-Channel Analog Multiplexer	.58	.48	.42
♦512—	MM74HC4051SJ	SOP-16	8-Channel Analog Multiplexer	.47	.39	.34
♦512—	MM74HC4051WM	SOIC(W)-16	8-Channel Analog Multiplexer	.58	.48	.42
♦512—	MM74HC4052M	SOIC-16	Dual 4-Ch Analog Multiplexer	.47	.39	.34
♦512—	MM74HC4052MTC	TSSOP-16	Dual 4-Ch Analog Multiplexer	.47	.39	.34
512—	MM74HC4052N	DIP-16	Dual 4-Ch Analog Multiplexer	.58	.48	.42
♦512—	MM74HC4052SJ	SOP-16	Dual 4-Ch Analog Multiplexer	.47	.39	.34
♦512—	MM74HC4052WM	SOIC(W)-16	Dual 4-Ch Analog Multiplexer	.58	.48	.42
♦512—	MM74HC4053M	SOIC-16	Trp 2-Ch Analog Multiplexer	.47	.39	.34
♦512—	MM74HC4053MTC	TSSOP-16	Trp 2-Ch Analog Multiplexer	.47	.39	.34
512—	MM74HC4053N	DIP-16	Trp 2-Ch Analog Multiplexer	.58	.48	.42
♦512—	MM74HC4053SJ	SOP-16	Trp 2-Ch Analog Multiplexer	.47	.39	.34
♦512—	MM74HC4053WM	SOIC(W)-16	Trp 2-Ch Analog Multiplexer	.58	.48	.42
♦512—	MM74HC4060M	SOIC-16	14-Stage Binary Counter	.47	.39	.34
♦512—	MM74HC4060MTC	TSSOP-16	14-Stage Binary Counter	.47	.39	.34
512—	MM74HC4060N	DIP-16	14-Stage Binary Counter	.58	.48	.42
♦512—	MM74HC4060SJ	SOP-16	14-Stage Binary Counter	.47	.39	.34
♦512—	MM74HC4066M	SOIC-14	Quad Analog Switch	.47	.39	.34
♦512—	MM74HC4066MTC	TSSOP-14	Quad Analog Switch	.47	.39	.34
512—	MM74HC4066N	DIP-14	Quad Analog Switch	.58	.48	.42
♦512—	MM74HC4066SJ	SOP-14	Quad Analog Switch	.50	.42	.37
♦512—	MM74HC4316M	SOIC-16	Quad Analog Switch	.47	.39	.34
♦512—	MM74HC4316MTC	TSSOP-16	Quad Analog Switch	.47	.39	.34
512—	MM74HC4316N	DIP-16	Quad Analog Switch	.54	.45	.40
♦512—	MM74HC4316SJ	SOP-16	Quad Analog Switch	.47	.39	.34
♦512—	MM74HC4316WM	SOIC(W)-16	Quad Analog Switch	.47	.41	.37
512—	MM74HC4514N	DIP-24	Line Decoder with Latch	1.19	.99	.87

FAIRCHILD Logic

FAIRCHILD SEMICONDUCTOR

♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
74HC Series (cont.)						
♦512-	MM74HC4514WM	SOIC(W)-24	Line Decoder with Latch	1.08	.90	.79
♦512-	MM74HC4538M	SOIC-16	Dual Multivibrator	.47	.39	.34
512-	MM74HC4538N	DIP-16	Dual Multivibrator	.61	.50	.45
♦512-	MM74HC4538SJ	SOP-16	Dual Multivibrator	.47	.39	.34
♦512-	MM74HC540MTC	TSSOP-20	Inverting Octal 3-STATE Buffer	.32	.27	.24
512-	MM74HC540N	DIP-20	Inverting Octal 3-STATE Buffer	.45	.38	.33
♦512-	MM74HC540SJ	SOP-20	Inverting Octal 3-STATE Buffer	.32	.27	.24
♦512-	MM74HC540WM	SOIC(W)-20	Inverting Octal 3-STATE Buffer	.32	.27	.24
♦512-	MM74HC541MTC	TSSOP-20	Octal 3-STATE Buffer	.32	.27	.24
512-	MM74HC541N	DIP-20	Octal 3-STATE Buffer	.45	.38	.33
♦512-	MM74HC541SJ	SOP-20	Octal 3-STATE Buffer	.32	.27	.24
♦512-	MM74HC541WM	SOIC(W)-20	Octal 3-STATE Buffer	.32	.27	.24
♦512-	MM74HC573MTC	TSSOP-20	3-STATE Octal D-Type Latch	.32	.27	.24
512-	MM74HC573N	DIP-20	3-STATE Octal D-Type Latch	.45	.38	.33
♦512-	MM74HC573SJ	SOP-20	3-STATE Octal D-Type Latch	.32	.27	.24
♦512-	MM74HC573WM	SOIC(W)-20	3-STATE Octal D-Type Latch	.32	.27	.24
♦512-	MM74HC574MTC	TSSOP-20	Oct D-Type Triggered Flip-Flop	.32	.27	.24
512-	MM74HC574N	DIP-20	Oct D-Type Triggered Flip-Flop	.45	.38	.33
♦512-	MM74HC574SJ	SOP-20	Oct D-Type Triggered Flip-Flop	.32	.27	.24
♦512-	MM74HC574WM	SOIC-20	Oct D-Type Triggered Flip-Flop	.32	.27	.24
♦512-	MM74HC589M	SOIC-16	8-Bit Shift Register	.72	.60	.53
♦512-	MM74HC589N	DIP-16	8-Bit Shift Register	.83	.69	.61
♦512-	MM74HC589SJ	SOP-16	8-Bit Shift Register	.72	.60	.53
♦512-	MM74HC594M	SOIC-16	8-Bit Shift Register	.72	.60	.53
512-	MM74HC594N	DIP-16	8-Bit Shift Register	.94	.78	.69
♦512-	MM74HC595M	SOIC-16	8-Shift Registers	.31	.26	.22
♦512-	MM74HC595MTC	TSSOP-16	8-Shift Registers	.31	.26	.22
512-	MM74HC595N	DIP-16	8-Shift Registers	.71	.60	.45
♦512-	MM74HC595SJ	SOP-16	8-Shift Registers	.31	.26	.22
♦512-	MM74HC688MTC	TSSOP-20	8-Bit Magnitude Comparator	.47	.39	.34
512-	MM74HC688N	DIP-20	8-Bit Magnitude Comparator	.54	.45	.40
♦512-	MM74HC688SJ	SOP-20	8-Bit Magnitude Comparator	.47	.39	.34
♦512-	MM74HC688WM	SOIC(W)-20	8-Bit Magnitude Comparator	.47	.39	.34
♦512-	MM74HC74AM	SOIC-14	Dual D-Type Flip-Flop	.20	.17	.15
♦512-	MM74HC74AMTC	TSSOP-14	Dual D-Type Flip-Flop	.20	.17	.15
512-	MM74HC74AN	DIP-14	Dual D-Type Flip-Flop	.31	.26	.22
♦512-	MM74HC74ASJ	SOP-14	Dual D-Type Flip-Flop	.20	.17	.15
♦512-	MM74HC86M	SOIC-14	Qd 2-Input Exclusive OR Gate	.20	.17	.15
♦512-	MM74HC86MTC	TSSOP-14	Qd 2-Input Exclusive OR Gate	.20	.17	.15
512-	MM74HC86N	DIP-14	Qd 2-Input Exclusive OR Gate	.31	.26	.22
♦512-	MM74HC86SJ	SOP-14	Qd 2-Input Exclusive OR Gate	.20	.17	.15
74HCT Series						
♦512-	MM74HCT00M	SOIC-14	Quad 2-Input NAND Gate	.18	.15	.13
♦512-	MM74HCT00MTC	TSSOP-14	Quad 2-Input NAND Gate	.18	.15	.13
512-	MM74HCT00N	DIP-14	Quad 2-Input NAND Gate	.29	.24	.21
♦512-	MM74HCT00SJ	SOP-14	Quad 2-Input NAND Gate	.18	.15	.13
♦512-	MM74HCT04M	SOIC-14	Hex Inverter	.18	.15	.13
♦512-	MM74HCT04MTC	TSSOP-14	Hex Inverter	.18	.15	.13
512-	MM74HCT04N	DIP-14	Hex Inverter	.29	.24	.21
♦512-	MM74HCT04SJ	SOP-14	Hex Inverter	.18	.15	.13
♦512-	MM74HCT05M	SOIC-14	Hex Inverter (Open Drain)	.18	.15	.13
♦512-	MM74HCT05MTC	TSSOP-14	Hex Inverter (Open Drain)	.18	.15	.13
512-	MM74HCT05N	DIP-14	Hex Inverter (Open Drain)	.32	.27	.24
♦512-	MM74HCT08M	SOIC-14	Quad 2-Input AND Gate	.18	.15	.13
♦512-	MM74HCT08MTC	TSSOP-14	Quad 2-Input AND Gate	.18	.15	.13
512-	MM74HCT08N	DIP-14	Quad 2-Input AND Gate	.29	.24	.21
♦512-	MM74HCT08SJ	SOP-14	Quad 2-Input AND Gate	.18	.15	.13
♦512-	MM74HCT138M	SOIC-16	3-to-8 Line Decoder	.29	.24	.21
♦512-	MM74HCT138MTC	TSSOP-16	3-to-8 Line Decoder	.29	.24	.21
512-	MM74HCT138N	DIP-16	3-to-8 Line Decoder	.45	.38	.33
♦512-	MM74HCT138SJ	SOP-16	3-to-8 Line Decoder	.38	.32	.28
♦512-	MM74HCT14M	SOIC-14	Hex Inverting Schmitt Trigger	.20	.17	.15
♦512-	MM74HCT14MTC	TSSOP-14	Hex Inverting Schmitt Trigger	.20	.17	.15
512-	MM74HCT14N	DIP-14	Hex Inverting Schmitt Trigger	.31	.26	.22
♦512-	MM74HCT14SJ	SOP-14	Hex Inverting Schmitt Trigger	.20	.17	.15
♦512-	MM74HCT164M	SOIC-14	8-Bit Serial-In/Parallel-Out Reg	.36	.30	.26
512-	MM74HCT164N	DIP-14	8-Bit Serial-In/Parallel-Out Reg	.47	.39	.34
♦512-	MM74HCT164SJ	SOP-14	8-Bit Serial-In/Parallel-Out Reg	.36	.30	.26
♦512-	MM74HCT240MTC	TSSOP-20	Inverting Octal 3-STATE Buffer	.31	.26	.22
512-	MM74HCT240N	DIP-20	Inverting Octal 3-STATE Buffer	.41	.35	.30
♦512-	MM74HCT240SJ	SOP-20	Inverting Octal 3-STATE Buffer	.31	.26	.22
♦512-	MM74HCT240WM	SOIC-20	Inverting Octal 3-STATE Buffer	.31	.26	.22
♦512-	MM74HCT244MTC	TSSOP-20	Octal 3-STATE Buffer	.31	.26	.22
512-	MM74HCT244N	DIP-20	Octal 3-STATE Buffer	.41	.35	.30
♦512-	MM74HCT244SJ	SOP-20	Octal 3-STATE Buffer	.31	.26	.22
♦512-	MM74HCT244WM	SOIC(W)-20	Octal 3-STATE Buffer	.31	.26	.22
♦512-	MM74HCT245MTC	TSSOP-20	Octal 3-STATE Transceiver	.31	.26	.22
512-	MM74HCT245N	DIP-20	Octal 3-STATE Transceiver	.41	.35	.30
♦512-	MM74HCT245SJ	SOP-20	Octal 3-STATE Transceiver	.31	.26	.22
♦512-	MM74HCT245WM	SOIC(W)-20	Octal 3-STATE Transceiver	.31	.26	.22
♦512-	MM74HCT273MTC	TSSOP-20	Octal D Flip-Flop	.31	.26	.22
512-	MM74HCT273N	DIP-20	Octal D Flip-Flop	.41	.35	.30
♦512-	MM74HCT273SJ	SOP-20	Octal D Flip-Flop	.31	.26	.22
♦512-	MM74HCT273WM	SOIC(W)-20	Octal D Flip-Flop	.31	.26	.22
♦512-	MM74HCT32M	SOIC-14	Quad 2-Input OR Gate	.18	.15	.13
♦512-	MM74HCT32MTC	TSSOP-14	Quad 2-Input OR Gate	.18	.15	.13
512-	MM74HCT32N	DIP-14	Quad 2-Input OR Gate	.29	.24	.21

♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
♦512-	MM74HCT32SJ	SOP-14	Quad 2-Input OR Gate	.18	.15	.13
♦512-	MM74HCT373MTC	TSSOP-20	3-STATE Octal D-Type Latch	.31	.26	.22
512-	MM74HCT373N	DIP-20	3-STATE Octal D-Type Latch	.41	.35	.30
♦512-	MM74HCT373SJ	SOP-20	3-STATE Octal D-Type Latch	.31	.26	.22
♦512-	MM74HCT373WM	SOIC(W)-14	3-STATE Octal D-Type Latch	.31	.26	.22
♦512-	MM74HCT374MTC	TSSOP-20	3-STATE Oct D-Type Flip-Flop	.31	.26	.22
512-	MM74HCT374N	DIP-20	3-STATE Oct D-Type Flip-Flop	.41	.35	.30
♦512-	MM74HCT374SJ	SOP-20	3-STATE Oct D-Type Flip-Flop	.31	.26	.22
♦512-	MM74HCT374WM	SOIC(W)-20	3-STATE Oct D-Type Flip-Flop	.31	.26	.22
♦512-	MM74HCT540MTC	TSSOP-20	Inverting Octal 3-STATE Buffer	.32	.27	.24
512-	MM74HCT540N	DIP-20	Inverting Octal 3-STATE Buffer	.82	.69	.61
♦512-	MM74HCT540SJ	SOP-20	Inverting Octal 3-STATE Buffer	.32	.27	.24
♦512-	MM74HCT540WM	SOIC(W)-20	Inverting Octal 3-STATE Buffer	.32	.27	.24
♦512-	MM74HCT541MTC	TSSOP-20	Octal 3-STATE Buffer	.32	.27	.24
512-	MM74HCT541N	DIP-20	Octal 3-STATE Buffer	.45	.38	.33
♦512-	MM74HCT541SJ	SOP-20	Octal 3-STATE Buffer	.32	.27	.24
♦512-	MM74HCT541WM	SOIC(W)-20	Octal 3-STATE Buffer	.32	.27	.24
♦512-	MM74HCT573MTC	TSSOP-20	Octal D-Type Latch	.32	.27	.24
512-	MM74HCT573N	DIP-20	Octal D-Type Latch	.45	.38	.33
♦512-	MM74HCT573SJ	SOP-20	Octal D-Type Latch	.32	.27	.24
♦512-	MM74HCT573WM	SOIC(W)-20	Octal D-Type Latch	.32	.27	.24
♦512-	MM74HCT574MTC	TSSOP-20	3-STATE Oct D-Type Flip-Flop	.32	.27	.24
512-	MM74HCT574N	DIP-20	3-STATE Oct D-Type Flip-Flop	.45	.38	.33
♦512-	MM74HCT574SJ	SOP-20	3-STATE Oct D-Type Flip-Flop	.32	.27	.24
♦512-	MM74HCT574WM	SOIC(W)-20	3-STATE Oct D-Type Flip-Flop	.32	.27	.24
♦512-	MM74HCT74M	SOIC-14	Dual D-Type Flip-Flop	.20	.17	.15
♦512-	MM74HCT74MTC	TSSOP-14	Dual D-Type Flip-Flop	.20	.17	.15
512-	MM74HCT74N	DIP-14	Dual D-Type Flip-Flop	.32	.27	.24
♦512-	MM74HCT74SJ	SOP-14	Dual D-Type Flip-Flop	.20	.17	.15
74HCU Series						
♦512-	MM74HCU04M	SOIC-14	Hex Inverter	.18	.15	.13
♦512-	MM74HCU04MTC	TSSOP-14	Hex Inverter	.18	.15	.13
512-	MM74HCU04N	DIP-14	Hex Inverter	.29	.24	.21
♦512-	MM74HCU04SJ	SOP-14	Hex Inverter	.18	.15	.13
TinyLogic Series						
♦512-	NC7NP04K8X	US8-8	ULP Triple Inverter	.60	.50	.36
♦512-	NC7NP04L8X	MicroPak-8	ULP Triple Inverter	.50	.42	.30
♦512-	NC7NP14K8X	SOP-8	Triple Inverter	.50	.42	.30
♦512-	NC7NP34K8X	US8-8	Triple Buffer	.63	.53	.38
♦512-	NC7NP34L8X	MicroPak-8	ULP Triple Buffer	.60	.50	.36
♦512-	NC7NZ04K8X	US8-8	Inverter	.42	.35	.25
♦512-	NC7NZ04L8X	MicroPak-8	Inverter	.50	.42	.30
♦512-	NC7NZ14K8X	US8-8	Inverter	.50	.42	.30
♦512-	NC7NZ14L8X	MicroPak-8	UHS Inverter w/Schmitt Trigger Out	1.09	.91	.65
♦512-	NC7NZ17K8X	US8-8	Triple Buffer	.50	.41	.30
♦512-	NC7NZ17L8X	MicroPak-8	UHS Triple Inverter w/Schmitt Trigger	1.09	.91	.65
♦512-	NC7NZ34K8X	US8-8	Triple Buffer	.45	.37	.27
♦512-	NC7NZ34L8X	MicroPak-8	UHS Triple Buffer	.50	.42	.30
♦512-	NC7NZU04K8X	US8-8	Unbuffered Inverter	.39	.32	.23
♦512-	NC7NZU04L8X	MicroPak-8	UHS Unbuffered Inverter	1.05	.88	.63
♦512-	NC7S00L6X	MicroPak-6	2-Input NAND Gate	.30	.25	.18
♦512-	NC7S00M5X	SOT23-5	Single 2-Input NAND Gate	.16	.13	.10
♦512-	NC7S00P5X	SC70-5	2-Input NAND Gate	.16	.13	.10
♦512-	NC7S02L6X	MicroPak-6	2-Input NOR Gate	.30	.25	.18
♦512-	NC7S02M5X	SOT23-5	Single 2-Input NOR Gate	.16	.13	.10
♦512-	NC7S02P5X	SC70-5	2-Input NOR Gate	.16	.13	.10
♦512-	NC7S04L6X	MicroPak-6	Inverter	.30	.25	.18
♦512-	NC7S04M5X	SOT23-5	Inverter	.16	.13	.10
♦512-	NC7S04P5X	SC70-5	Inverter	.16	.13	.10
♦512-	NC7S08L6X	MicroPak-6	2-Input AND Gate	.30	.25	.18
♦512-	NC7S08M5X	SOT23-5	Single 2-Input AND Gate	.16	.13	.10
♦512-	NC7S08P5X	SC70-5	Single 2-Input AND Gate	.16	.13	.10
♦512-	NC7S14L6X	MicroPak-6	Inv with Schmitt Trigger Input	.30	.25	.18
♦512-	NC7S14M5X	SOT23-5	Single Inv with Sch Trigger Input	.16	.13	.10
♦512-	NC7S14P5X	SC70-5	Single Inv with Sch Trigger Input	.16	.13	.10
♦512-	NC7S32L6X	MicroPak-6	2-Input OR Gate	.30	.25	.18
♦512-	NC7S32M5X	SOT23-5	Single 2-Input OR Gate	.16	.13	.10
♦512-	NC7S32P5X	SC70-5	Single 2-Input OR Gate	.16	.13	.10
♦512-	NC7S86L6X	MicroPak-6	2-Input Exclusive-OR Gate	.30	.25	.18
♦512-	NC7S86M5X	SOT23-5	Single 2-Input Exc OR Gate	.16	.13	.10
♦512-	NC7S86P5X	SC70-5	Single 2-Input Exc OR Gate	.16	.13	.10
♦512-	NC7SB3157L6X	MicroPak-6	SPDT Switch or 2:1 Multi/Demult Bus	.47	.40	.28
♦512-	NC7SB3157P6X	SC70-6	Low Volt SPDTAnalog Switch	.25	.21	.15
♦512-	NC7SB3257L6X	MicroPak-6	Sgl 2-to-1 Multi/Demult Bus Switch	.50	.42	.30
♦512-	NC7SB3257P6X	SC70-6	Sgl Multi/Demultiplexer Switch	.50	.42	.30
♦512-	NC7SBU3157P6X	SC70-6	SPDT Switch with -2V Undershoot	1.01	.84	.60
♦512-	NC7SP00L6X	MicroPak-6	2-Input NAND Gate	.35	.29	.21
♦512-	NC7SP00P5X	SC70-5	2-Input NAND Gate	.20	.17	.12
♦512-	NC7SP02L6X	Micro-Pak-6	2-Input NOR Gate	.35	.29	.21
♦512-	NC7SP02P5X	SC70-5	2-Input NOR Gate	.20	.17	.12
♦512-	NC7SP04L6X	MicroPak-6	Inverter	.35	.29	.21
♦512-	NC7SP04P5X	SC70-5	Inverter	.20	.17	.12
♦512-	NC7SP05L6X	MicroPak-6	Inverter Open Drain Output	.35	.29	.21
♦512-	NC7SP05P5X	SC70-5	Inverter	.20	.17	.12
♦512-	NC7SP08L6X	MicroPak-6	2-Input AND Gate	.35	.29	.21
♦512-	NC7SP08P5X	SC70-5	2-Input AND Gate	.20	.17	.12
♦512-	NC7SP125L6X	MicroPak-6	Buffer with 3-STATE Output	.50	.42	.30

MOUSER ELECTRONICS a tti company

Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	Description	Price Each 1	25	100
NC Series (cont.)					
512—NC7SP125P5X	SC70-5	Buffer with 3-STATE Output	.28	.23	.17
512—NC7SP126L6X	MicroPak-6	Buffer with 3-STATE Output	.50	.42	.30
512—NC7SP126P5X	SC70-5	Buffer with 3-STATE Output	.28	.23	.17
512—NC7SP14L6X	MicroPak-6	Inverter with Schmitt Trigger Input	.35	.29	.21
512—NC7SP14P5X	SC70-5	Inverter with Schmitt Trigger Input	.20	.17	.12
512—NC7SP157L6X	MicroPak-6	2-Input Non-Inv Multiplexer	.50	.42	.30
512—NC7SP157P6X	SC70-6	2-Input Non-Inverting Multiplexer	.25	.21	.15
512—NC7SP158L6X	MicroPak-6	2-Input Inverting Multiplexer	.50	.42	.30
512—NC7SP158P6X	SC70-6	2-Input Inverting Multiplexer	.25	.21	.15
512—NC7SP17L6X	MicroPak-6	Single Buffer with Schmitt Trigger	.50	.42	.30
512—NC7SP17P5X	SC70-5	Single Buffer with Schmitt Trigger	.26	.21	.15
512—NC7SP19L6X	MicroPak-6	ULP 1-of-2 Decoder/Demultiplexer	.50	.42	.30
512—NC7SP19P6X	SC70-6	ULP 1-of-2 Decoder/Demultiplexer	.45	.38	.27
512—NC7SP32L6X	MicroPak-6	2-Input OR Gate	.35	.29	.21
512—NC7SP32P5X	SC70-5	2-Input OR Gate	.20	.17	.12
512—NC7SP34L6X	MicroPak-6	Single Buffer	.35	.29	.21
512—NC7SP34P5X	SC70-5	Single Buffer	.20	.17	.12
512—NC7SP38L6X	MicroPak-6	2-Input NAND Gate	.35	.29	.21
512—NC7SP38P5X	SC70-5	2-Input NAND Gate	.20	.17	.12
512—NC7SP57L6X	MicroPak-6	Universal Configurable 2-Input Logic	.50	.42	.30
512—NC7SP57P6X	SC70-6	Universal Configurable 2-Input Logic	.25	.21	.15
512—NC7SP58L6X	MicroPak-6	Universal Configurable 2-Input Logic	.43	.36	.26
512—NC7SP58P6X	SC70-6	Universal Configurable 2-Input Logic	.25	.21	.15
512—NC7SP74K8X	US8-8	D-Type Flip-Flop	.60	.50	.36
512—NC7SP74L8X	MicroPak-8	D-Type Flip-Flop	.70	.58	.42
512—NC7SP86L6X	MicroPak-6	2-Input Exclusive OR Gate	.50	.42	.30
512—NC7SP86P5X	SC70-5	2-Input Exclusive OR Gate	.28	.23	.17
512—NC7SPU04L6X	MicroPak-6	Unbuffered Inverter	.35	.29	.21
512—NC7SPU04P5X	SC70-5	Unbuffered Inverter	.20	.17	.12
512—NC7ST00L6X	MicroPak-6	2-Input NAND Gate	.30	.25	.18
512—NC7ST00M5X	SOT23-5	2-Input NAND Gate	.16	.13	.10
512—NC7ST00P5X	SC70-5	2-Input NAND Gate	.16	.13	.10
512—NC7ST02L6X	MicroPak-6	2-Input NOR Gate	.30	.25	.18
512—NC7ST02M5X	SOT23-5	2-Input NOR Gate	.16	.13	.10
512—NC7ST02P5X	SC70-5	2-Input NOR Gate	.16	.13	.10
512—NC7ST04L6X	MicroPak-6	Inverter	.30	.25	.18
512—NC7ST04M5X	SOT23-5	Inverter	.16	.13	.10
512—NC7ST04P5X	SC70-5	Inverter	.16	.13	.10
512—NC7ST08L6X	MicroPak-6	2-Input AND Gate	.30	.25	.18
512—NC7ST08M5X	SOT23-5	2-Input AND Gate	.16	.13	.10
512—NC7ST08P5X	SC70-5	2-Input AND Gate	.16	.13	.10
512—NC7ST32L6X	MicroPak-6	2-Input AND Gate	.30	.25	.18
512—NC7ST32M5X	SOT23-5	2-Input OR Gate	.16	.13	.10
512—NC7ST32P5X	SC70-5	2-Input OR Gate	.16	.13	.10
512—NC7ST86L6X	MicroPak-6	2-Input Exclusive OR Gate	.30	.25	.18
512—NC7ST86M5X	SOT23-5	2-Input Exclusive-OR Gate	.16	.13	.10
512—NC7ST86P5X	SC70-5	2-Input Exclusive-OR Gate	.16	.13	.10
512—NC7SU04L6X	MicroPak-6	Unbuffered Inverter	.30	.25	.18
512—NC7SU04M5X	SOT23-5	Unbuffered Inverter	.16	.13	.10
512—NC7SU04P5X	SC70-5	Unbuffered Inverter	.16	.13	.10
512—NC7SV00L6X	MicroPak-6	2-Input NAND Gate	.35	.29	.21
512—NC7SV00P5X	SC70-5	2-Input NAND Gate	.20	.17	.12
512—NC7SV02L6X	MicroPak-6	2-Input NOR Gate	.35	.29	.21
512—NC7SV02P5X	SC70-5	2-Input NOR Gate	.20	.17	.12
512—NC7SV04L6X	MicroPak-6	Inverter	.35	.29	.21
512—NC7SV04P5X	SC70-5	Inverter	.20	.17	.12
512—NC7SV05L6X	MicroPak-6	Inverter	.35	.29	.21
512—NC7SV05P5X	SC70-5	Inverter	.20	.17	.12
512—NC7SV08L6X	MicroPak-6	2-Input AND Gate	.35	.29	.21
512—NC7SV08P5X	SC70-5	2-Input AND Gate	.20	.17	.12
512—NC7SV11L6X	MicroPak-6	3-Input AND Gate	.50	.42	.30
512—NC7SV11P6X	SC70-6	3-Input AND Gate	.25	.21	.15
512—NC7SV125L6X	MicroPak-6	Buffer with 3-STATE Output	.50	.42	.30
512—NC7SV125P5X	SC70-5	Buffer with 3-STATE Output	.28	.23	.17
512—NC7SV126L6X	MicroPak-6	Buffer with 3-STATE Output	.50	.42	.30
512—NC7SV126P5X	SC70-5	Buffer with 3-STATE Output	.28	.23	.17
512—NC7SV14L6X	MicroPak-6	Inverter with Schmitt Trigger Input	.35	.29	.21
512—NC7SV14P5X	SC70-5	Inverter with Schmitt Trigger Input	.20	.17	.12
512—NC7SV157L6X	MicroPak-6	2-Input Non Inverting Multiplexer	.50	.42	.30
512—NC7SV157P6X	SC70-6	2-Input Non Inverting Multiplexer	.25	.21	.15
512—NC7SV158L6X	MicroPak-6	2-Input Inverting Multiplexer	.50	.42	.30
512—NC7SV158P6X	SC70-6	2-Input Inverting Multiplexer	.25	.21	.15
512—NC7SV17L6X	MicroPak-6	Single Buffer	.35	.29	.21
512—NC7SV17P5X	SC70-5	Single Buffer	.20	.17	.12
512—NC7SV19L6X	MicroPak-6	1-of-2 Decoder/Demultiplexer	.50	.42	.30
512—NC7SV19P6X	SC70-6	1-of-2 Decoder/Demultiplexer	.45	.38	.27
512—NC7SV32L6X	MicroPak-6	2-Input OR Gate	.35	.29	.21
512—NC7SV32P5X	SC70-5	2-Input OR Gate	.20	.17	.12
512—NC7SV34L6X	MicroPak-6	Single Buffer	.35	.29	.21

♦ Surface Mount Device

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MOUSER STOCK NO. / Mfr. Part Number	Package	Description	Price Each 1	25	100
♦512—NC7SV34P5X	SC70-5	Single Buffer	.20	.17	.12
♦512—NC7SV38L6X	MicroPak-6	2-Input NAND Gate	.35	.29	.21
♦512—NC7SV38P5X	SC70-5	2-Input NAND Gate	.20	.17	.12
♦512—NC7SV57L6X	MicroPak-6	Universal Configurable 2-Input Logic	.50	.42	.30
♦512—NC7SV57P6X	SC70-6	Universal Configurable 2-Input Logic	.25	.21	.15
♦512—NC7SV58L6X	MicroPak-6	Universal Configurable 2-Input Logic	.50	.42	.30
♦512—NC7SV58P6X	SC70-6	Universal Configurable 2-Input Logic	.25	.21	.15
♦512—NC7SV74K8X	US8-8	D-Type Flip-Flop	.60	.50	.36
♦512—NC7SV74L8X	MicroPak-8	D-Type Flip-Flop	.70	.58	.42
♦512—NC7SV86L6X	MicroPak-6	2-Input Exclusive OR Gate	.35	.29	.21
♦512—NC7SV86P5X	SC70-5	2-Input Exclusive OR Gate	.20	.17	.12
♦512—NC7SVU04L6X	MicroPak-6	Unbuffered Inverter	.35	.29	.21
♦512—NC7SVU04P5X	SC70-5	Unbuffered Inverter	.20	.17	.12
♦512—NC7SZ00L6X	MicroPak-6	2-Input NAND Gate	.30	.25	.18
♦512—NC7SZ00M5X	SOT23-5	2-Input NAND Gate	.16	.13	.10
♦512—NC7SZ00P5X	SC70-5	Single 2-Input NAND Gate	.16	.13	.10
♦512—NC7SZ02L6X	MicroPak-6	2-Input NOR Gate	.30	.25	.18
♦512—NC7SZ02M5X	SOT23-5	2-Input NOR Gate	.16	.13	.10
♦512—NC7SZ02P5X	SC70-5	2-Input NOR Gate	.16	.13	.10
♦512—NC7SZ04L6X	MicroPak-6	Inverter	.30	.25	.18
♦512—NC7SZ04M5X	SOT23-5	Single Inverter	.14	.12	.09
♦512—NC7SZ04P5X	SC70-5	Inverter	.16	.13	.10
♦512—NC7SZ05L6X	MicroPak-6	Inverter	.30	.25	.18
♦512—NC7SZ05M5X	SOT23-5	Inverter	.16	.13	.10
♦512—NC7SZ05P5X	SC70-5	Inverter	.16	.13	.10
♦512—NC7SZ08L6X	MicroPak-6	2-Input AND Gate	.30	.25	.18
♦512—NC7SZ08M5X	SOT23-5	Single 2-Input AND Gate	.16	.13	.10
♦512—NC7SZ08P5X	SC70	Single 2-Input AND Gate	.16	.13	.10
♦512—NC7SZ10L6X	MicroPak-6	3-Input NAND Gate	.39	.32	.23
♦512—NC7SZ10P6X	SC70-6	3-Input NAND Gate	.23	.19	.14
♦512—NC7SZ11L6X	MicroPak-6	3-Input AND Gate	.39	.32	.23
♦512—NC7SZ11P6X	SC70-6	3-Input NAND Gate	.23	.19	.14
♦512—NC7SZ125L6X	MicroPak-6	Buffer with 3-STATE Output	.39	.32	.23
♦512—NC7SZ125M5X	SOT-23	Buffer with 3-STATE Output	.20	.17	.12
♦512—NC7SZ125M5X	SOT23-5	Single Buffer	.20	.17	.12
♦512—NC7SZ125P5X	SC70	Single Buffer	.20	.17	.12
♦512—NC7SZ126L6X	MicroPak-6	Buffer with 3-STATE Output	.39	.32	.23
♦512—NC7SZ126M5X	SOT23-5	Single Buffer	.20	.17	.12
♦512—NC7SZ126P5X	SC70-5	Single Buffer	.20	.17	.12
♦512—NC7SZ14L6X	MicroPak-6	Inverter with Schmitt Trigger Input	.30	.25	.18
♦512—NC7SZ14M5X	SOT23-5	Single Inv with Schmitt Trigger	.16	.13	.10
♦512—NC7SZ14P5X	SC70-5	Single Inv with Schmitt Trigger	.16	.13	.10
♦512—NC7SZ157L6X	MicroPak-6	2-Input Non-Inverting Multiplexer	.39	.32	.23
♦512—NC7SZ157P6X	SC70-6	2-Input Non-Inv Multiplexer	.23	.19	.14
♦512—NC7SZ175L6X	MicroPak-6	2-Input Non-Inv Multiplexer	.39	.32	.23
♦512—NC7SZ175P6X	SC70-6	Sgl D-Type F-F w/Asynch Clear	.23	.19	.14
♦512—NC7SZ18L6X	MicroPak-6	1-of-2 Non-Inverting Demultiplexer	.39	.32	.23
♦512—NC7SZ18P6X	SC70-6	1-of-2 Non-Inv Demultiplexer	.25	.21	.15
♦512—NC7SZ19L6X	MicroPak-6	1-of-2 Decoder/Demultiplexer	.39	.32	.23
♦512—NC7SZ19P6X	SC70-6	1-of-2 Decoder/Demultiplexer	.45	.38	.27
♦512—NC7SZ27L6X	MicroPak-6	3-Input NOR Gate	.39	.32	.23
♦512—NC7SZ27P6X	SC70-6	3-Input NOR Gate	.25	.21	.15
♦512—NC7SZ32L6X	MicroPak-6	2-Input OR Gate	.30	.25	.18
♦512—NC7SZ32M5X	SOT23-5	Single 2-Input OR Gate	.16	.13	.10
♦512—NC7SZ32P5X	SC70-5	2-Input OR Gate	.16	.13	.10
♦512—NC7SZ332L6X	MicroPak-6	3-Input OR Gate	.39	.32	.23
♦512—NC7SZ332P6X	SC70-6	3-Input OR Gate	.23	.19	.14
♦512—NC7SZ373L6X	MicroPak-6	D-Type Latch with 3-STATE Output	.39	.32	.23
♦512—NC7SZ373P6X	SC70-6	D-Type Latch	.23	.19	.14
♦512—NC7SZ374L6X	MicroPak-6	D-Type Flip-Flop with 3-STATE Output	.39	.32	.23
♦512—NC7SZ374P6X	SC70-6	D-Type Flip-Flop	.23	.19	.14
♦512—NC7SZ384L6X	MicroPak-6	1-Bit Bus Switch	.40	.34	.24
♦512—NC7SZ384M5X	SOT23-5	1-Bit Low Power Bus Switch	.28	.23	.17
♦512—NC7SZ384P5X	SC70-5	1-Bit Low Power Bus Switch	.23	.19	.14
♦512—NC7SZ386L6X	MicroPak-6	3-Input Exclusive OR Gate	.39	.32	.23
♦512—NC7SZ386P6X	SC70-6	3-Input Exclusive-OR Gate	.23	.19	.14
♦512—NC7SZ38L6X	MicroPak-6	2-Input NAND Gate	.30	.25	.18
♦512—NC7SZ38M5X	SOT23-5	2-Input NAND Gate	.16	.13	.10
♦512—NC7SZ38P5X	SC70-5	2-Input NAND Gate	.16	.13	.10
♦512—NC7SZ57L6X	MicroPak-6	Universal Configurable 2-Input Logic	.38	.31	.23
♦512—NC7SZ57P6X	SC70-6	Univ Config 2-Input Logic Gates	.25	.21	.15
♦512—NC7SZ58L6X	MicroPak-6	Universal Configurable 2-Input Logic	.38	.31	.23
♦512—NC7SZ58P6X	SC70-6	Univ Config 2-Input Logic Gates	.25	.21	.15
♦512—NC7SZ66L6X	MicroPak-6	Single SPSTAnalog Switch or 1-Bit	.30	.25	.18
♦512—NC7SZ66M5X	SOT23-5	1-Bit Bus Switch	.20	.16	.12
♦512—NC7SZ66P5X	SC70-5	1-Bit Bus Switch	.20	.16	.12
♦512—NC7SZ74K8X	US8-8	D-Type Flip-Flop	.39	.32	.23
♦512—NC7SZ74L8X	MicroPak-8	D-Type Flip-Flop	.50	.42	.30
♦512—NC7SZ86L6X	MicroPak-6	2-Input Exclusive OR Gate	.39	.32	.23
♦512—NC7SZ86M5X	SOT23-5	2-Input Exclusive-OR Gate	.21	.18	.13

Logic

♦ Surface Mount Device

FAIRCHILD LOGIC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
TinyLogic Series (cont.)						
♦512—	NC7SZ86P5X	SC70-5	2-Input Exclusive-OR Gate	.21	.18	.13
♦512—	NC7SZD384L6X	MicroPak-6	1-Bit Bus Switch with Level Shifting	.40	.34	.24
♦512—	NC7SZD384M5X	SOT23-5	1-Bit Bus Switch	.30	.25	.18
♦512—	NC7SZD384P5X	SC70-5	1-Bit Bus Switch	.30	.25	.18
♦512—	NC7SZU04L6X	MicroPak-6	Unbuffered Inverter	.30	.25	.18
♦512—	NC7SZU04M5X	SOT23-5	Unbuffered Inverter	.16	.13	.10
♦512—	NC7SZU04P5X	SC70-5	Unbuffered Inverter	.16	.13	.10
♦512—	NC7WB3125K8X	US8-8	Low Power Bus Switch	.48	.40	.29
♦512—	NC7WB3306K8X	US8-8	Low Power Bus Switch	.91	.76	.54
♦512—	NC7WB66K8X	US8-8	2-Bit Bus Switch	.45	.38	.27
♦512—	NC7WB66L8X	MicroPak-8	SPST 2-Bit Bus Switch	.48	.40	.29
♦512—	NC7WBD3125K8X	US8-8	Low Power Bus Switch	.96	.80	.57
♦512—	NC7WBD3306K8X	US8-8	2-Bit Low Power Bus Switch	.77	.64	.46
♦512—	NC7WP00K8X	US8-8	2-Input NAND Gate	.53	.44	.31
♦512-	NC7WP00L8X	MicroPak-6	Dual 2-Input NAND Gate	.70	.58	.42
♦512—	NC7WP02K8X	US8-8	ULP Dual 2-Input NOR Gate	.53	.44	.31
♦512—	NC7WP02L8X	MicroPak-8	ULP Dual 2-Input NOR Gate	.70	.58	.42
♦512—	NC7WP08K8X	US8-8	2-Input AND Gate	.53	.44	.31
♦512-	NC7WP08L8X	MicroPak-6	Dual 2-Input AND Gate	.70	.58	.42
♦512—	NC7WP125K8X	US8-8	ULP Buffer with 2-STATE Output	.60	.50	.36
♦512-	NC7WP125L8X	MicroPak-8	ULP Buffer with 3-STATE Output	.63	.53	.38
♦512—	NC7WP14L6X	MicroPak-6	Inverter with Schmitt Trigger Input	.50	.42	.30
♦512—	NC7WP14P6X	SC70-6	Inverter with Schmitt Trigger Input	.40	.34	.24
♦512—	NC7WP240K8X	US8-8	Inverting Buffer w/ 3-STATE Output	.60	.50	.36
♦512—	NC7WP240L8X	MicroPak-8	ULP Dual Inverting Buffer w/ 3-STATE	.76	.63	.45
♦512—	NC7WP32K8X	US8-8	2-Input OR Gate	.60	.50	.36
♦512—	NC7WP32L8X	MicroPak-8	ULP 2-Input OR Gate	.76	.63	.45
♦512—	NC7WP86K8X	US8-8	2-Input Exclusive OR Gate	.58	.49	.35
♦512—	NC7WV04L6X	MicroPak-6	Dual Inverter	.50	.42	.30
♦512—	NC7WV04P6X	SC70-6	Dual Inverter	.45	.37	.27
♦512—	NC7WV07L6X	MicroPak-6	Dual Buffer	.50	.42	.30
♦512—	NC7WV07P6X	SC70-6	Dual Buffer	.45	.37	.27
♦512—	NC7WV125K8X	US8-8	Buffer with 3-STATE Output	.45	.38	.27
♦512—	NC7WV14L6X	MicroPak-6	Dual Inverter	.50	.42	.30
♦512—	NC7WV14P6X	SC70-6	Dual Inverter	.45	.37	.27
♦512—	NC7WV16L6X	MicroPak-6	Dual Buffer	.50	.42	.30

♦ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Description	Price Each 1	25	100
♦512—	NC7WV16P6X	SC70-6	Dual Buffer	.45	.37	.27
♦512—	NC7WV17L6X	MicroPak-6	Dual Buffer with Schmitt Trigger Inp.	.50	.42	.30
♦512—	NC7WV17P6X	SC70-6	Dual Buffer with Schmitt Trigger Inp.	.45	.37	.27
♦512—	NC7WZ00K8X	US8-8	Dual 2-Input NAND Gate	.39	.32	.23
♦512—	NC7WZ00L8X	MicroPak-8	UHS Dual 2-Input NAND Gate	.50	.42	.30
♦512—	NC7WZ02K8X	US8-8	Dual 2-Input NOR Gate	.39	.32	.23
♦512—	NC7WZ02L8X	MicroPak-8	UHS Dual 2-Input NOR Gate	.50	.42	.30
♦512—	NC7WZ04L6X	MicroPak-6	Dual Inverter	.39	.32	.23
♦512—	NC7WZ04P6X	SC70-6	Dual Inverter	.26	.22	.16
♦512—	NC7WZ07L6X	MicroPak-6	Dual Buffer	.39	.32	.23
♦512—	NC7WZ07P6X	SC70-6	Dual Buffer	.26	.22	.16
♦512—	NC7WZ08K8X	US8-8	Dual 2-Input AND Gate	.39	.32	.23
♦512—	NC7WZ08L8X	MicroPak-8	Dual 2-Input AND Gate	.50	.42	.30
♦512—	NC7WZ125K8X	US8-8	Buffer	.39	.32	.23
♦512—	NC7WZ125L8X	MicroPak-8	Buffer with 3-STATE Output	.50	.42	.30
♦512—	NC7WZ126K8X	US8-8	Buffer	.39	.32	.23
♦512—	NC7WZ126L8X	MicroPak-8	Buffer with 3-STATE Output	.50	.42	.30
♦512—	NC7WZ132K8X	US8-8	Dual 2-Input NAND Gate	.39	.32	.23
♦512—	NC7WZ132L8X	MicroPak-8	UHS Dual 2-Input NAND Gate	2.31	1.93	1.38
♦512—	NC7WZ14L6X	MicroPak-6	Dual Inverter with Schmitt Trigger Inp.	.39	.32	.23
♦512—	NC7WZ14P6X	SC70-6	Dual Inverter	.26	.22	.16
♦512—	NC7WZ16L6X	MicroPak-6	Dual Buffer	.39	.32	.23
♦512—	NC7WZ16P6X	SC70-6	Dual Buffer	.26	.22	.16
♦512—	NC7WZ17L6X	MicroPak-6	Dual Buffer with Schmitt Trigger Inp.	.39	.32	.23
♦512—	NC7WZ17P6X	SC70-6	Dual Buffer	.26	.22	.16
♦512—	NC7WZ240K8X	US8-8	Dual Inverting Buffer	.39	.32	.23
♦512—	NC7WZ240L8X	MicroPak-8	UHS Dual Inverting Buffer w/ 3-STATE	1.34	1.12	.80
♦512—	NC7WZ241K8X	US8-8	Dual Buffer	.39	.32	.23
♦512—	NC7WZ241L8X	MicroPak-8	UHS Dual Buffer with 3-STATE Output	1.34	1.12	.80
♦512—	NC7WZ32K8X	US8-8	Dual 2-Input OR Gate	.39	.32	.23
♦512—	NC7WZ32L8X	MicroPak-8	Dual 2-Input OR Gate	.50	.42	.30
♦512—	NC7WZ38K8X	US8-8	Dual 2-Input NAND Gate	.39	.32	.23
♦512—	NC7WZ38L8X	MicroPak-8	UHS Dual 2-Input NAND Gate	1.34	1.12	.80
♦512—	NC7WZ86K8X	US8-8	Dual 2-Input Exclusive-OR Gate	.39	.32	.23
♦512—	NC7WZ86L8X	MicroPak-8	UHS Dual 2-Input Exclusive OR Gate	1.05	.88	.63
♦512—	NC7WZU04L6X	MicroPak-6	Dual Unbuffered Inverter	.39	.32	.23
♦512—	NC7WZU04P6X	SC70-6	Dual Unbuffered Inverter	.26	.22	.16

Luna Labs SnapLogic™

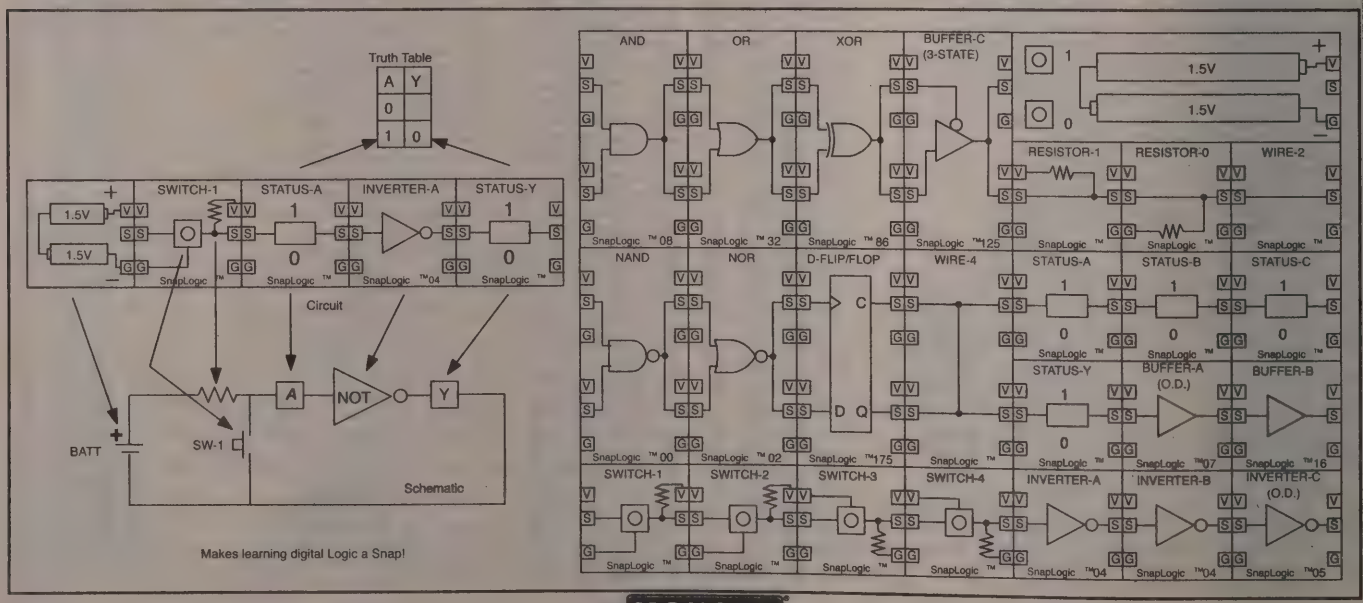
Below is a brief summary of the more than 175 page manual describing the SnapLogic Tutorial. This Tutorial covers logic gates, George Boole, everyday examples, basic electrical theory, AND, OR, NOT, NAND, NOR, N-MOSFET, P-MOSFET, Resistors, Biasing, Inverters, Source Sink, Open Drain, Pull ups, 3-State Output Gates, Combinatorial Logic, Sequential Logic, D-Flip/Flop, Equivalent Gates, Active Low and High, Truth Tables, and basic Schematic design. Over twenty hands-on exercises!

MOUSER STOCK NO.	Luna Labs Part No.	Price Each
605-SNAPLOGIC-DLS	SNAPLOGIC-DLS	129.00

What are SnapLogic Cards?
A set of SnapLogic cards consists of 25 small printed circuit boards (PCBs). Twelve of the cards in this set implement one each of miniature logic gates. These cards provide a simplistic, "hands-on" tool for learning more about the functions of digital logic gates. Students can now assemble and test a wide variety of experimental digital logic circuits using the SnapLogic card set which contains a versatile mix of logic gates.

Features:
Small logic gates represented on small printed circuit boards to include the following:

- AND Gate
- OR Gate
- NOR Gate
- XOR Gate
- NAND Gate
- D-FLIP/FLOP
- BUFFER
- BUFFER-C (3 STATE)
- INVERTER
- SWITCHES / RESISTORS / WIRES
- STATUS Indicates H, L and Z



Makes learning digital Logic a Snap!

STMICROELECTRONICS Logic

STMicroelectronics

74AC ADVANCED HIGH SPEED CMOS

Supply voltage: 2.0 to 6.0V
Operating temperature: -40°C to +85°C
• Output current: 24mA (min.)
• Propagation delay time: 4ns (Typ)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Surface Mount						
511-74AC00M-TR	74AC00MTR	SO-14	Quad 2-input NAND gate	.65	.35	.24
511-74AC02M-TR	74AC02MTR	SO-14	Quad 2-input NOR gate	.34	.29	.26
511-74AC04M	74AC04M	SO-14	Hex inverter/buffer	.34	.29	.26
511-74AC08M-TR	74AC08MTR	SO-14	Quad 2-input AND gate	.55	.33	.21
511-74AC14M-TR	74AC14MTR	SO-14	Hex schmitt inverter	.55	.33	.21
511-74AC20M	74AC20M	SO-14	Dual 4-input NAND gate	.36	.31	.27
511-74AC32M-TR	74AC32MTR	SO-14	Quad 2-input OR gate	.48	.29	.18
511-74AC32T	74AC32TTR	TSSOP-14	Quad 2-input OR gate	.65	.35	.24
511-74AC74M	74AC74M	SO-14	Dual D-type flip-flop w/ preset & clear	.40	.34	.30
511-74AC86M	74AC86M	SO-14	Quad exclusive OR gate	.34	.29	.26
511-74AC125M-TR	74AC125MTR	SO-14	Quad bus buffer (3-state)	.55	.33	.21
511-74AC138M	74AC138M	SO-16	3-to-8 line decoder (inv.)	.46	.39	.35
511-74AC157M	74AC157M	SO-16	Quad 2-channel multiplexer	.46	.39	.35
511-74AC161M	74AC161M	SO-16	Synchronous 4-bit counter	.48	.41	.36
511-74AC240M-TR	74AC240MTR	SO-20	Octal bus buffer (3-state/inv.)	.68	.41	.28
511-74AC244M	74AC244M	SO-20	Octal bus buffer (3-state)	.62	.53	.47
511-74AC245M-TR	74AC245MTR	SO-20	Octal bus transceiver (3-state)	.65	.35	.24
511-74AC257M	74AC257M	SO-16	Quad 2-channel multiplexer (3-state)	.46	.39	.35
511-74AC273M-TR	74AC273MTR	SO-20	Octal D-type flip-flop with clear	.68	.41	.28
511-74AC373M	74AC373M	SO-20	Octal D-type latch (3-state)	.62	.53	.47
511-74AC374M-TR	74AC374MTR	SO-20	Octal D-type flip-flop (3-state)	.81	.49	.33
511-74AC541M-TR	74AC541MTR	SO-20	Octal bus buffer (3-state)	.65	.35	.24
511-74AC541T	74AC541TTR	TSSOP-20	Octal bus buffer (3-state)	.68	.41	.28
511-74AC573M-TR	74AC573MTR	SO-20	Octal D-type latch (3-state)	.65	.35	24
511-74AC574M	74AC574M	SO-20	Octal D-type flip-flop (3-state)	.70	.60	.53
Thru Hole						
511-74AC00B	74AC00B	DIP-14	Quad 2-input NAND gate	.34	.29	.26
511-74AC02B	74AC02B	DIP-14	Quad 2-input NOR gate	.34	.29	.26
511-74AC14B	74AC14B	DIP-14	Hex schmitt inverter	.40	.34	.30
511-74AC32B	74AC32B	DIP-14	Quad 2-input OR gate	.34	.29	.26
511-74AC125B	74AC125B	DIP-14	Quad bus buffer (3-state)	.46	.39	.35
511-74AC138B	74AC138B	DIP-16	3-to-8 line decoder (inv.)	.46	.39	.32
511-74AC245B	74AC245B	DIP-20	Octal bus transceiver (3-state)	.62	.53	.47
511-74AC257B	74AC257B	DIP-16	Quad 2-channel multiplexer (3-state)	.46	.39	.35
511-74AC273B	74AC273B	DIP-20	Octal D-type flip-flop with clear	.62	.53	.47
511-74AC373B	74AC373B	DIP-20	Octal D-type latch (3-state)	.62	.53	.47
511-74AC374B	74AC374B	DIP-20	Octal D-type flip-flop (3-state)	.62	.53	.47
511-74AC573B	74AC573B	DIP-20	Octal D-type latch (3-state)	.70	.60	.53

74ACT ADVANCED HIGH SPEED CMOS

Supply voltage: 4.5 to 5.5V
Operating temperature: -40°C to +85°C
• Output current: 24mA (min.)
• Propagation delay time: 4ns (Typ)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Surface Mount						
511-74ACT00M-TR	74ACT00MTR	SO-14	Quad 2-input NAND gate	.60	.32	.22
511-74ACT02M-TR	74ACT02MTR	SO-14	Quad 2-input NOR gate	.49	.23	.14
511-74ACT02T	74ACT02TTR	TSSOP-14	Quad 2-input NOR gate	.60	.32	.22
511-74ACT04M-TR	74ACT04MTR	SO-14	Hex inverter	.60	.32	.22
511-74ACT08M	74ACT08M	SO-14	Quad 2-input AND gate	.34	.29	.26
511-74ACT14M	74ACT14M	SO-14	Hex schmitt inverter	.40	.34	.30
511-74ACT32M-TR	74ACT32MTR	SO-14	Quad 2-input OR gate	.65	.35	.24
511-74ACT74M-TR	74ACT74MTR	SO-14	Dual D-type flip-flop w/preset & clear	.65	.35	.24
511-74ACT86M	74ACT86M	SO-14	Quad exclusive OR gate	.34	.29	.26
511-74ACT125M-TR	74ACT125MTR	SO-14	Quad bus buffer (3-state)	.60	.32	.22
511-74ACT125T	74ACT125TTR	TSSOP-14	Quad bus buffer (3-state)	.70	.42	.27
511-74ACT138M	74ACT138M	SO-16	3-to-8 line decoder (inv.)	.46	.39	.35
511-74ACT157M-TR	74ACT157MTR	SO-16	Quad 2-channel multiplexer	.68	.41	.28
511-74ACT163M	74ACT163M	SO-16	Synchronous 4-bit counter	.48	.41	.36
511-74ACT174M	74ACT174M	SO-16	Hex D-type flip-flop with clear	.46	.39	.35
511-74ACT240M	74ACT240M	SO-20	Octal bus buffer (3-state/inv.)	.62	.53	.47
511-74ACT244M	74ACT244M	SO-20	Octal bus buffer (3-state)	.62	.53	.47
511-74ACT245M-TR	74ACT245MTR	SO-20	Octal bus transceiver (3-state)	.68	.41	.28
511-74ACT257M	74ACT257M	SO-16	Quad 2-channel multiplexer (3-state)	.46	.39	.35

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Surface Mount (cont.)						
511-74ACT273M-TR	74ACT273MTR	SO-20	Octal D-type flip-flop clear	.55	.30	.20
511-74ACT373M	74ACT373M	SO-20	Octal D-type latch (3-state)	.62	.53	.47
511-74ACT374M	74ACT374M	SO-20	Octal D-type flip-flop (3-state)	.62	.53	.47
511-74ACT541M	74ACT541M	SO-20	Octal bus buffer	.64	.54	.48
511-74ACT573M	74ACT573M	SO-20	Octal D-type latch (3-state)	.70	.60	.53
511-74ACT574M-TR	74ACT574MTR	SO-20	Octal D-type flip-flop (3-state)	.68	.41	.28
Thru Hole						
511-74ACT00B	74ACT00B	DIP-14	Quad 2-input NAND gate	.34	.29	.26
511-74ACT02B	74ACT02B	DIP-14	Quad 2-input NOR gate	.34	.29	.26
511-74ACT04B	74ACT04B	DIP-14	Hex schmitt inverter	.34	.29	.26
511-74ACT08B	74ACT08B	DIP-14	Quad 2-input AND gate	.34	.29	.26
511-74ACT32B	74ACT32B	DIP-14	Quad 2-input OR gate	.34	.29	.26
511-74ACT74B	74ACT74B	DIP-14	Dual D-type flip-flop w/preset & clear	.40	.34	.30
511-74ACT86B	74ACT86B	DIP-14	Quad exclusive OR gate	.34	.29	.26
511-74ACT125B	74ACT125B	DIP-14	Quad bus buffer (3-state)	.46	.39	.35
511-74ACT244B	74ACT244B	DIP-20	Octal bus buffer (3-state)	.62	.53	.47
511-74ACT245B	74ACT245B	DIP-20	Octal bus transceiver (3-state)	.62	.53	.47
511-74ACT257B	74ACT257B	DIP-16	Quad 2-channel multiplexer (3-state)	.46	.39	.35
511-74ACT373B	74ACT373B	DIP-20	Octal D-type latch (3-state)	.62	.53	.47
511-74ACT374B	74ACT374B	DIP-20	Octal D-type flip-flop (3-state)	.62	.53	.47
511-74ACT573B	74ACT573B	DIP-20	Octal D-type latch (3-state)	.70	.60	.53
511-74ACT574B	74ACT574B	DIP-20	Octal D-type flip-flop (3-state)	.70	.60	.53

74HC HIGH SPEED CMOS

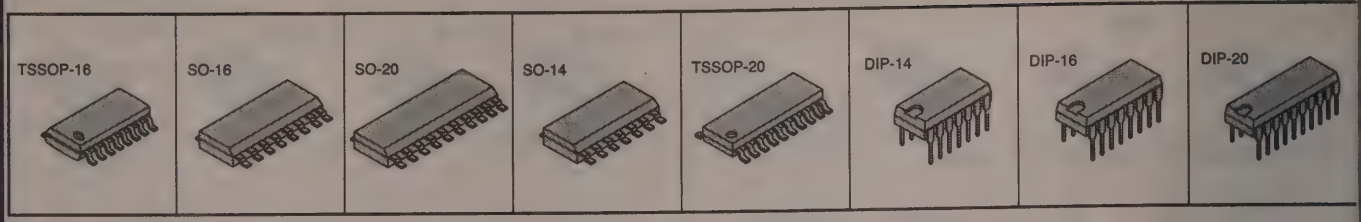
• Supply voltage: 2.0 to 6.0V
• Operating temperature: -40°C to +85°C
• Output current: 6mA (min.)
• Propagation delay time: 12ns (Typ)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Surface Mount						
511-M74HC00M	M74HC00M1R	SO-14	Quad 2-input NAND gate	.34	.29	.26
511-M74HC02M	M74HC02M1R	SO-14	Quad 2-input NOR gate	.34	.29	.26
511-M74HC03M	M74HC03M1R	SO-14	Quad 2-input NAND gate (open drain)	.34	.29	.26
511-M74HC04M	M74HC04M1R	SO-14	Hex inverter	.64	.38	.23
511-M74HC05M	M74HC05M1R	SO-14	Hex inverter	.34	.29	.26
511-M74HC08M	M74HC08M1R	SO-14	Quad 2-input AND gate	.64	.38	.23
511-M74HC10M	M74HC10M1R	SO-14	Triple 3-input NAND gate	.34	.29	.26
511-M74HC11M	M74HC11M1R	SO-14	Triple 3-input AND gate	.34	.29	.26
511-M74HC14M	M74HC14M1R	SO-14	Hex schmitt inverter	.40	.34	.30
511-M74HC20M	M74HC20M1R	SO-14	Dual 4-input NAND gate	.34	.29	.26
511-M74HC27M	M74HC27M1R	SO-14	Triple 3-input NOR gate	.34	.29	.26
511-M74HC30M	M74HC30M1R	SO-14	8-input NAND gate	.34	.29	.26
511-M74HC32M	M74HC32M1R	SO-14	Quad 2-input OR gate	.34	.29	.26
511-M74HC42M	M74HC42M1R	SO-16	BCD to decimal decoder	.85	.71	.60
511-M74HC73M	M74HC73M1R	SO-14	Dual J-K flip-flop with clear	.40	.34	.30
511-M74HC74M	M74HC74M1R	SO-14	Dual D-type flip-flop w/preset & clear	.40	.34	.30
511-M74HC85M	M74HC85M1R	SO-16	4-bit magnitude comparator	.52	.44	.39
511-M74HC86M	M74HC86M1R	SO-14	Quad exclusive OR gate	.40	.34	.30
511-M74HC107M	M74HC107M1R	SO-14	Dual J-K flip-flop with clear	.40	.34	.30
511-M74HC112M	M74HC112M1R	SO-16	Dual J-K flip-flop with preset & clear	.40	.34	.30
511-M74HC123M	M74HC123M1R	SO-16	Dual retrig. mono. multivibrator w/clear	.60	.51	.45
511-M74HC125M	M74HC125M1R	SO-14	Quad bus buffer (3-state)	.20	.17	.15
511-M74HC126M	M74HC126M1R	SO-14	Quad bus buffer (3-state)	.40	.34	.30
511-M74HC132M	M74HC132M1R	SO-14	Quad 2-input schmitt NAND gate	.40	.34	.30
511-M74HC133M	M74HC133M1R	SO-16	13-input NAND gate	.34	.29	.26
511-M74HC138M	M74HC138M1R	SO-16	3-to-8 line decoder (inv.)	.48	.41	.36
511-M74HC139M	M74HC139M1R	SO-16	Dual 2-to-4 line decoder/demultiplexer	.44	.37	.33
511-M74HC147M	M74HC147M1R	SO-16	10-to-4 line priority encoder	.48	.41	.36
511-M74HC148M	M74HC148M1R	SO-16	8-to-3 line priority encoder	.52	.44	.39
511-M74HC151M	M74HC151M1R	SO-16	8-channel multiplexer	.44	.37	.33
511-M74HC153M	M74HC153M1R	SO-16	Dual 4-channel multiplexer	.48	.41	.36
511-M74HC157M	M74HC157M1R	SO-16	Quad 2-channel multiplexer	.26	.22	.20
511-M74HC163M	M74HC163M1R	SO-16	Synchronous binary counter w/sync.	.52	.44	.39
511-M74HC164M	M74HC164M1R	SO-14	8-bit serial-in-parallel-out (SIPO)	.68	.40	.27
511-M74HC164T	M74HC164TTR	TSSOP-14	8-bit serial-in-parallel-out (SIPO)	.68	.41	.28
511-M74HC165M	M74HC165M1R	SO-16	8-bit parallel-in-serial-out (PISO)	.72	.43	.29
511-M74HC173M	M74HC173M1R	SO-16	Quad D-type register (3-state)	.52	.44	.39

STMICROELECTRONICS Logic

STMicroelectronics



74HC HIGH SPEED CMOS (CONT.)

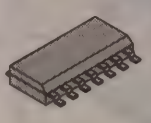
- Supply voltage: 2.0 to 6.0V
- Operating temperature: -40°C to +85°C
- Output current: 6mA (min.)
- Propagation delay time: 12ns (Typ)

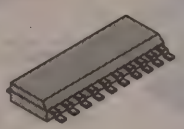
For quantities of 1000 and up, call for quote.

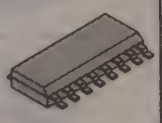
MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Surface Mount (cont.)						
511-M74HC174T	M74HC174TTR	TSSOP-16	Hex D-type flip-flop	.60	.32	.22
511-M74HC175M	M74HC175M1R	SO-16	Quad D-type flip-flop with clear	.52	.44	.39
511-M74HC221M	M74HC221M1R	SO-16	Dual monostable multivibrator	.52	.44	.39
511-M74HC237M	M74HC237M1R	SO-16	3-to-8 line decoder	.52	.44	.39
511-M74HC238M	M74HC238M1R	SO-16	3-to-8 line decoder	.72	.43	.29
511-M74HC240M	M74HC240M1R	SO-20	Octal bus buffer (3-state/inv.)	.62	.53	.47
511-M74HC244M	M74HC244M1R	SO-20	Octal bus buffer (3-state)	.62	.53	.47
511-M74HC245M	M74HC245M1R	SO-20	Octal bus transceiver (3-state)	.80	.68	.60
511-M74HC251M	M74HC251M1R	SO-16	8-channel multiplexer (3-state)	.48	.41	.36
511-M74HC253M	M74HC253M1R	SO-16	Dual 4-channel multiplexer (3-state)	.48	.41	.36
511-M74HC259M	M74HC259M1R	SO-16	8-bit addressable latch	.72	.43	.29
511-M74HC266M	M74HC266M1R	SO-14	Quad exclusive OR gate w/open	.44	.37	.33
511-M74HC273M	M74HC273M1R	SO-20	Octal D-type flip-flop with clear	.62	.53	.47
511-M74HC365M	M74HC365M1R	SO-16	Hex bus buffer (3-state)	.44	.37	.33
511-M74HC365T	M74HC365TTR	TSSOP-16	Hex bus buffer (3-state)	.68	.41	.28
511-M74HC367M	M74HC367M1R	SO-16	Hex bus buffer (3-state)	.44	.37	.33
511-M74HC368M	M74HC368M1R	SO-16	Hex bus buffer (3-state/inv.)	.44	.37	.33
511-M74HC373M	M74HC373M1R	SO-20	Octal D-type latch (3-state)	.62	.53	.47
511-M74HC377M	M74HC377M1R	SO-20	Quad D-type flip-flop	.95	.79	.67
511-M74HC390M	M74HC390M1R	SO-16	Dual decade counter	.58	.49	.44
511-M74HC393M	M74HC393M1R	SO-14	Dual binary counter	.68	.40	.27
511-M74HC541M	M74HC541M1R	SO-20	Octal bus buffer (3-state)	.70	.60	.53
511-M74HC573M	M74HC573M1R	SO-20	Octal D-type latch (3-state)	.70	.60	.53
511-M74HC574M	M74HC574M1R	SO-20	Octal D-type flip-flop (3-state)	.70	.60	.53
511-M74HC590M	M74HC590M1R	SO-16	8-bit binary counter register (3-state)	.86	.73	.65
511-M74HC595M	M74HC595M1R	SO-16	8-bit shift register output latch (3-state)	.26	.22	.20
511-M74HC597M	M74HC597M1R	SO-16	8-bit latch shift register	.82	.70	.62
511-M74HC688M	M74HC688M1R	SO-20	8-bit equality comparator	.82	.70	.62
511-M74HC688T	M74HC688TTR	TSSOP-20	8-bit equality comparator	.72	.43	.30
511-M74HC4017M-TR	M74HC4017RM13TR	SO-16	Decade counter/divider	.65	.35	.24
511-M74HC4020M	M74HC4020M1R	SO-16	14-stage binary counter	.70	.60	.53
511-M74HC4024M	M74HC4024M1R	SO-14	7-stage binary counter	.72	.43	.29
511-M74HC4040M	M74HC4040M1R	SO-16	12-stage binary counter	.68	.58	.51
511-M74HC4049M	M74HC4049M1R	SO-16	Hex buffer/converter (inv.)	.44	.37	.33
511-M74HC4050M	M74HC4050M1R	SO-16	Hex buffer/converter	.84	.71	.63
511-M74HC4051M	M74HC4051M1R	SO-16	Single 8-channel analog multiplexer/demultiplexer	.84	.71	.63
511-M74HC4052M	M74HC4052M1R	SO-16	Dual 4-channel analog multiplexer/demultiplexer	.84	.71	.63
511-M74HC4053M	M74HC4053M1R	SO-16	Triple 2-channel analog multiplexer/demultiplexer	.84	.71	.63
511-M74HC4060M	M74HC4060M1R	SO-16	14-stage binary counter/oscillator	.64	.54	.48
511-M74HC4066M	M74HC4066M1R	SO-14	Quad bilateral switch	.44	.37	.33
511-M74HC4075M	M74HC4075M1R	SO-14	Triple 3-input OR gate	.34	.29	.26
511-M74HC4078M	M74HC4078M1R	SO-14	8-input NOR/OR gate	.90	.54	.37
511-M74HC4094M	M74HC4094M1R	SO-16	8-bit serial-in-parallel-out (SIPO) shift register	.70	.60	.53
511-M74HC4316M	M74HC4316M1R	SO-16	Quad bilateral switch	.48	.41	.36
511-M74HC4520M	M74HC4520M1R	SO-16	Dual 4-bit binary counter	.62	.53	.47
511-M74HC4538M	M74HC4538M1R	SO-16	Dual monostable multivibrator	.63	.37	.25
511-M74HC4543M	M74HC4543M1R	SO-16	BCD-to-7 segment latch/decoder/LCD driver	.70	.60	.53
511-M74HC7266M	M74HC7266M1R	SO-14	Quad exclusive NOR gate	.44	.37	.33
511-M74HCU04M	M74HCU04M1R	SO-14	Hex inverter (single stage)	.34	.29	.26
Thru Hole						
511-M74HC00	M74HC00B1R	DIP-14	Quad 2-input NAND gate	.55	.26	.16
511-M74HC02	M74HC02B1R	DIP-14	Quad 2-input NOR gate	.55	.26	.16
511-M74HC03	M74HC03B1R	DIP-14	Quad 2-input NAND gate (open drain)	.55	.26	.16
511-M74HC04	M74HC04B1R	DIP-14	Hex inverter	.55	.26	.16
511-M74HC05	M74HC05B1R	DIP-14	Hex inverter	.55	.26	.16

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Thru Hole (cont.)						
511-M74HC08	M74HC08B1R	DIP-14	Quad 2-input AND gate	.55	.26	.16
511-M74HC10	M74HC10B1R	DIP-14	Triple 3-input NAND gate	.48	.26	.18
511-M74HC11	M74HC11B1R	DIP-14	Triple 3-input AND gate	.76	.44	.30
511-M74HC14	M74HC14B1R	DIP-14	Hex schmitt inverter	.55	.26	.16
511-M74HC20	M74HC20B1R	DIP-14	Dual 4-input NAND gate	.55	.26	.16
511-M74HC27	M74HC27B1R	DIP-14	Triple 3-input NOR gate	.72	.43	.30
511-M74HC30	M74HC30B1R	DIP-14	8-input NAND gate	.68	.41	.28
511-M74HC32	M74HC32B1R	DIP-14	Quad 2-input OR gate	.48	.25	.17
511-M74HC42	M74HC42B1R	DIP-16	BCD to decimal decoder	.86	.51	.35
511-M74HC51	M74HC51B1R	DIP-14	Dual 2-wide 2-input AND-OR inv. Gate	.63	.37	.25
511-M74HC73	M74HC73B1R	DIP-14	Dual J-K flip-flop with clear	.81	.49	.33
511-M74HC74	M74HC74B1R	DIP-14	Dual D-type flip-flop w/preset & clear	.45	.27	.17
511-M74HC85	M74HC85B1R	DIP-16	4-bit magnitude comparator	.60	.32	.22
511-M74HC86	M74HC86B1R	DIP-14	Quad exclusive OR gate	.65	.35	.24
511-M74HC109	M74HC109B1R	DIP-16	Dual J-K flip-flop w/preset & clear	.66	.55	.46
511-M74HC112	M74HC112B1R	DIP-16	Dual J-K flip-flop w/preset & clear	.81	.49	.33
511-M74HC123	M74HC123B1R	DIP-16	Dual retrig. monostable multivibrator w/clear	.65	.35	.24
511-M74HC125	M74HC125B1R	DIP-14	Quad bus buffer (3-state)	.55	.26	.16
511-M74HC126	M74HC126B1R	DIP-14	Quad bus buffer (3-state)	.65	.35	.24
511-M74HC132	M74HC132B1R	DIP-14	Quad 2-input schmitt NAND gate	.55	.30	.20
511-M74HC133	M74HC133B1R	DIP-16	13-input NAND gate	.76	.44	.30
511-M74HC137	M74HC137B1R	DIP-16	3-to-8 line decoder latch (inv.)	.50	.43	.38
511-M74HC138	M74HC138B1R	DIP-16	3-to-8 line decoder (inv.)	.60	.32	.22
511-M74HC139	M74HC139B1R	DIP-16	Dual 2-to-4 line decoder/demultiplexer	.59	.35	.24
511-M74HC147	M74HC147B1R	DIP-16	10-to-4 line priority encoder	.48	.41	.36
511-M74HC148	M74HC148B1R	DIP-16	8-to-3 line priority encoder	.65	.35	.24
511-M74HC151	M74HC151B1R	DIP-16	8-channel multiplexer	.54	.32	.22
511-M74HC155	M74HC155B1R	DIP-16	Dual 2-to-4 line decoder/ 3-to-8 line decoder	.32	.27	.24
511-M74HC157	M74HC157B1R	DIP-16	Quad 2-channel multiplexer	.55	.30	.20
511-M74HC161	M74HC161B1R	DIP-16	Synchronous binary counter with async. clear	.65	.35	.24
511-M74HC163	M74HC163B1R	DIP-16	Synchronous binary counter with sync. clear	.26	.22	.20
511-M74HC164	M74HC164B1R	DIP-14	8-bit serial-in-parallel-out (SIPO) shift register	.60	.32	.22
511-M74HC165	M74HC165B1R	DIP-16	8-bit parallel-in-serial-out (PISO) shift register	.60	.32	.22
511-M74HC166	M74HC166B1R	DIP-16	8-bit parallel-in-serial-out (PISO) shift register	.68	.41	.28
511-M74HC174	M74HC174B1R	DIP-16	Hex D-type flip-flop with clear	.55	.30	.20
511-M74HC175	M74HC175B1R	DIP-16	Quad D-type flip-flop with clear	.68	.41	.28
511-M74HC221	M74HC221B1R	DIP-16	Dual monostable multivibrator	.72	.43	.30
511-M74HC237	M74HC237B1R	DIP-16	3-to-8 line decoder latch	.86	.51	.35
511-M74HC238	M74HC238B1R	DIP-16	3-to-8 line decoder	.77	.46	.31
511-M74HC240	M74HC240B1R	DIP-20	Octal bus buffer (3-state/inv.)	.60	.32	.22
511-M74HC241	M74HC241B1R	DIP-20	Octal bus buffer (3-state)	.62	.53	.47
511-M74HC244	M74HC244B1R	DIP-20	Octal bus buffer (3-state)	.60	.32	.22
511-M74HC245	M74HC245B1R	DIP-20	Octal bus transceiver (3-state)	.60	.32	.22
511-M74HC251	M74HC251B1R	DIP-16	8-channel multiplexer (3-state)	.55	.30	.20
511-M74HC253	M74HC253B1R	DIP-16	Dual 4-channel multiplexer (3-state)	.48	.41	.36
511-M74HC257	M74HC257B1R	DIP-16	Quad 2-channel multiplexer (3-state)	.68	.41	.28
511-M74HC259	M74HC259B1R	DIP-16	8-bit addressable latch	.56	.48	.42
511-M74HC266	M74HC266B1R	DIP-14	Quad exclusive OR gate w/open drain	.44	.37	.33
511-M74HC273	M74HC273B1R	DIP-20	Octal D-type flip-flop with clear	.72	.43	.30
511-M74HC299	M74HC299B1R	DIP-20	8-bit parallel-in-parallel-out (PIPO) shift register	.68	.41	.28
511-M74HC365	M74HC365B1R	DIP-16	Hex bus buffer (3-state)	.68	.41	.28
511-M74HC367	M74HC367B1R	DIP-16	Hex bus buffer (3-state)	.77	.46	.31
511-M74HC368	M74HC368B1R	DIP-16	Hex bus buffer (3-state/inv.)	.68	.40	.27







HC HIGH SPEED CMOS (CONT.)

pply voltage: 2.0 to 6.0V
erating temperature: -40°C to +85°C

- Output current: 6mA (min.)
- Propagation delay time: 12ns (Typ)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
u-Hole (cont.)						
-M74HC373	M74HC373B1R	DIP-20	Octal D-type latch (3-state)	.68	.41	.28
-M74HC374	M74HC374B1R	DIP-20	Octal D-type flip-flop (3-state)	.60	.32	.22
-M74HC377	M74HC377B1R	DIP-20	Quad D-type flip-flop	.26	.22	.20
-M74HC390	M74HC390B1R	DIP-16	Dual decade counter	.81	.49	.33
-M74HC393	M74HC393B1R	DIP-14	Dual binary counter	.72	.43	.30
-M74HC541	M74HC541B1R	DIP-20	Octal bus buffer (3-state)	.72	.43	.30
-M74HC564	M74HC564B1R	DIP-20	Octal D-type flip-flop (3-state/inv.)	.70	.60	.53
-M74HC573	M74HC573B1R	DIP-20	Octal D-type latch (3-state)	.68	.41	.28
-M74HC574	M74HC574B1R	DIP-20	Octal D-type flip-flop (3-state)	.60	.32	.22
-M74HC590	M74HC590B1R	DIP-16	8-bit binary counter register (3-state)	.63	.37	.25
-M74HC595	M74HC595B1R	DIP-16	8-bit shift register output latch (3-state)	.68	.41	.28
-M74HC597	M74HC597B1R	DIP-16	8-bit latch shift register	1.35	1.12	.95
-M74HC688	M74HC688B1R	DIP-20	8-bit equality comparator	1.28	.85	.56
-M74HC4017	M74HC4017B1R	DIP-16	Decade counter/divider	.72	.43	.30
-M74HC4020	M74HC4020B1R	DIP-16	14-stage binary counter	.95	.57	.39
-M74HC4024	M74HC4024B1R	DIP-14	7-stage binary counter	.68	.41	.28
-M74HC4040	M74HC4040B1R	DIP-16	12-stage binary counter	.68	.41	.28
-M74HC4049	M74HC4049B1R	DIP-16	Hex buffer/converter (inv.)	.86	.51	.35
-M74HC4050	M74HC4050B1R	DIP-16	Hex buffer/converter	.84	.71	.63
-M74HC4051	M74HC4051B1R	DIP-16	Single 8-channel analog multiplexer/demultiplexer	.77	.46	.31
-M74HC4052	M74HC4052B1R	DIP-16	Dual 4-channel analog multiplexer/demultiplexer	.63	.37	.25
-M74HC4053	M74HC4053B1R	DIP-16	Triple 2-channel analog multiplexer/demultiplexer	.55	.30	.20
-M74HC4060	M74HC4060B1R	DIP-16	14-stage binary counter/oscillator	1.01	.68	.45
-M74HC4066	M74HC4066B1R	DIP-14	Quad bilateral switch	.55	.26	.16
-M74HC4075	M74HC4075B1R	DIP-14	Triple 3-input OR gate	1.14	.76	.51
-M74HC4078	M74HC4078B1R	DIP-14	8-input NOR/OR gate	.34	.29	.26
-M74HC4094	M74HC4094B1R	DIP-16	8-bit serial-in-parallel-out (SIPO) shift register	.68	.41	.28
-M74HC4520	M74HC4520B1R	DIP-16	Dual 4-bit binary counter	.72	.43	.30
-M74HC4538	M74HC4538B1R	DIP-16	Dual monostable multivibrator	.72	.43	.30
-M74HC4543	M74HC4543B1R	DIP-16	BCD-to-7-segment LCD latch/decoder/driver	.65	.35	.24
-M74HCU04	M74HCU04B1R	DIP-14	Hex inverter (single stage)	.55	.26	.16

HCT HIGH SPEED CMOS

pply voltage: 4.5 to 5.5V
erating temperature: -40°C to +85°C

- Output current: 6mA (min.)
- Propagation delay time: 12ns (Typ)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
rface Mount						
1-M74HCT00M	M74HCT00M1R	SO-14	Quad 2-input NAND gate	.34	.29	.26
1-M74HCT04M	M74HCT04M1R	SO-14	Hex inverter	.34	.29	.26
1-M74HCT08M	M74HCT08M1R	SO-14	Quad 2-input AND gate	.34	.29	.26
1-M74HCT14M	M74HCT14M1R	SO-14	Hex schmitt inverter	.40	.34	.30
1-M74HCT14T	M74HCT14TTR	TSSOP-14	Hex schmitt inverter	.65	.35	.24
1-M74HCT30M	M74HCT30M1R	SO-14	8-input NAND gate	.34	.29	.26
1-M74HCT32M	M74HCT32M1R	SO-14	Quad 2-input OR gate	.34	.29	.26
1-M74HCT74M	M74HCT74M1R	SO-14	Dual D-type flip-flop w/preset & clear	.44	.37	.33
1-M74HCT86M	M74HCT86M1R	SO-14	Quad exclusive OR gate	.40	.34	.30

74HCT HIGH SPEED CMOS

- Supply voltage: 4.5 to 5.5V
- Operating temperature: -40°C to +85°C
- Output current: 6mA (min.)
- Propagation delay time: 12ns (Typ)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Surface Mount (cont.)						
511-M74HCT125M	M74HCT125M1R	SO-14	Quad bus buffer (3-state)	.40	.34	.30
511-M74HCT138M	M74HCT138M1R	SO-16	3-to-8 line decoder (inv.)	.48	.41	.36
511-M74HCT174T	M74HCT174TTR	TSSOP-16	Hex D-type flip-flop	.70	.42	.27
511-M74HCT244M	M74HCT244M1R	SO-20	Octal bus buffer (3-state)	.68	.58	.51
511-M74HCT245M	M74HCT245M1R	SO-20	Octal bus transceiver (3-state)	.80	.68	.60
511-M74HCT273M	M74HCT273M1R	SO-20	Octal D-type flip-flop with clear	.66	.56	.50
511-M74HCT367M	M74HCT367M1R	SO-16	Hex bus buffer (3-state)	.44	.37	.33
511-M74HCT373M	M74HCT373M1R	SO-20	Octal D-type latch (3-state)	.68	.58	.51
511-M74HCT373T	M74HCT373TTR	TSSOP-20	Octal D-type latch (3-state)	.70	.42	.27
511-M74HCT374M	M74HCT374M1R	SO-20	Octal D-type flip-flop (3-state)	.68	.58	.51
511-M74HCT573M	M74HCT573M1R	SO-20	Octal D-type latch (3-state)	.70	.60	.53
511-M74HCT574M	M74HCT574M1R	SO-20	Octal D-type flip-flop (3-state)	.70	.60	.53
Thru Hole						
511-M74HCT00	M74HCT00B1R	DIP-14	Quad 2-input NAND gate	.48	.26	.18
511-M74HCT02	M74HCT02B1R	DIP-14	Quad 2-input NOR gate	.22	.19	.17
511-M74HCT04	M74HCT04B1R	DIP-14	Hex inverter	.55	.26	.16
511-M74HCT08	M74HCT08B1R	DIP-14	Quad 2-input AND gate	.50	.29	.20
511-M74HCT14	M74HCT14B1R	DIP-14	Hex schmitt inverter	.48	.26	.18
511-M74HCT27	M74HCT27B1R	DIP-14	Triple 3-input NOR gate	.34	.29	.26
511-M74HCT74	M74HCT74B1R	DIP-14	Dual D-type flip-flop w/preset & clear	.55	.26	.16
511-M74HCT137	M74HCT137B1R	DIP-16	3-to-8 line decoder latch (inv.)	.50	.43	.38
511-M74HCT138	M74HCT138B1R	DIP-16	3-to-8 line decoder (inv.)	.55	.33	.21
511-M74HCT164	M74HCT164B1R	DIP-14	8-bit serial-in-parallel-out (SIPO) shift register	.50	.43	.38
511-M74HCT244	M74HCT244B1R	DIP-20	Octal bus buffer (3-state)	.60	.32	.22
511-M74HCT245	M74HCT245B1R	DIP-20	Octal bus transceiver (3-state)	.77	.46	.31
511-M74HCT257	M74HCT257B1R	DIP-16	Quad 2-channel multiplexer (3-state)	.50	.43	.38
511-M74HCT273	M74HCT273B1R	DIP-20	Octal D-type flip-flop with clear	.60	.32	.22
511-M74HCT373	M74HCT373B1R	DIP-20	Octal D-type latch (3-state)	.72	.43	.30
511-M74HCT374	M74HCT374B1R	DIP-20	Octal D-type flip-flop (3-state)	.63	.37	.25
511-M74HCT540	M74HCT540B1R	DIP-20	Octal bus buffer (3-state/inv.)	.70	.60	.53
511-M74HCT541	M74HCT541B1R	DIP-20	Octal bus buffer (3-state)	.60	.32	.22
511-M74HCT573	M74HCT573B1R	DIP-20	Octal D-type latch (3-state)	.68	.41	.28
511-M74HCT574	M74HCT574B1R	DIP-20	Octal D-type flip-flop (3-state)	1.69	1.13	.75

74LCX LOW VOLTAGE CMOS

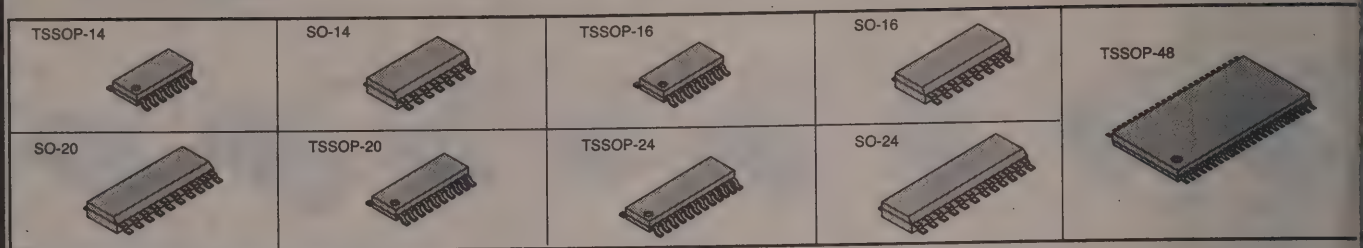
- Supply voltage: 2.7 to 3.6V
- Operating temperature: -40°C to +85°C
- Output current: 24mA (min.)
- Propagation delay time: 4.5ns (Typ)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Surface Mount						
511-74LCX00M	74LCX00M	SO-14	Quad 2-input NAND gate with 5V tolerant input	.46	.39	.35
511-74LCX00T	74LCX00TTR	TSSOP-14	Quad 2-input NAND gate with 5V tolerant input	.65	.35	.24
511-74LCX02M-TR	74LCX02MTR	SO-14	Quad 2-input NOR gate with 5V tolerant input	.65	.35	.24
511-74LCX02T	74LCX02TTR	TSSOP-14	Quad 2-input NOR gate with 5V tolerant input	.65	.35	.24
511-74LCX04M	74LCX04M	SO-14	Hex inverter with 5V tolerant input	.46	.39	.35
511-74LCX04T	74LCX04TTR	TSSOP-14	Hex inverter with 5V tolerant input	.65	.35	.24
511-74LCX08M	74LCX08M	SO-14	Quad 2-input AND gate with 5V tolerant input	.46	.39	.35
511-74LCX08T	74LCX08TTR	TSSOP-14	Quad 2-input AND gate with 5V tolerant input	.65	.35	.24
511-74LCX14M-TR	74LCX14MTR	SO-14	Hex schmitt inverter w/5V tolerant input	.65	.35	.24

STMICROELECTRONICS Logic

STMicroelectronics



74LCX LOW VOLTAGE CMOS (CONT.)

- Supply voltage: 2.7 to 3.6V
- Operating temperature: -40°C to +85°C
- Output current: 24mA (min.)
- Propagation delay time: 4.5ns (Typ)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Surface Mount (cont.)						
511-74LCX14T	74LCX14TTR	TSSOP-14	Hex schmitt inverter with 5V tolerant input	.65	.35	.24
511-74LCX32M-TR	74LCX32MTR	SO-14	Quad 2-input OR gate with 5V tolerant input	.48	.29	.18
511-74LCX32T	74LCX32TTR	TSSOP-14	Quad 2-input OR gate with 5V tolerant input	.65	.35	.24
511-74LCX74M	74LCX74M	SO-14	Dual D-type flip-flop with preset & clear, 5V tol. input	.52	.44	.39
511-74LCX74T	74LCX74TTR	TSSOP-14	Dual D-type flip-flop with preset & clear, 5V tol. input	.65	.35	.24
511-74LCX86M	74LCX86M	SO-14	Quad exclusive OR gate with 5V tolerant input	.46	.39	.35
511-74LCX86T	74LCX86TTR	TSSOP-14	Quad exclusive OR gate with 5V tolerant input	.65	.35	.24
511-74LCX125M-TR	74LCX125MTR	SO-14	Quad bus buffer (3-state) with 5V tolerant input/output	.48	.29	.18
511-74LCX125T	74LCX125TTR	TSSOP-14	Quad bus buffer (3-state) with 5V tolerant input/output	.65	.35	.24
511-74LCX138T	74LCX138TTR	TSSOP-16	3-to-16 line decoder (inv) with 5V tolerant inputs	.68	.41	.28
511-74LCX240M-TR	74LCX240MTR	SO-16	Octal bus buffer (3-state/inv.) with 5V tol. input/output	.77	.46	.31
511-74LCX244M-TR	74LCX244MTR	SO-20	Octal bus buffer (3-state) with 5V tolerant input/output	.70	.38	.26
511-74LCX244T	74LCX244TTR	TSSOP-20	Octal bus buffer (3-state) with 5V tolerant input/output	.70	.38	.26
511-74LCX245M-TR	74LCX245MTR	SO-20	Octal bus transceiver (3-state) with 5V tol. input/output	.70	.38	.26
511-74LCX245T	74LCX245TTR	TSSOP-20	Octal bus transceiver (3-state) with 5V tol. input/output	.77	.46	.31
511-74LCX257T	74LCX257TTR	TSSOP-16	Quad 2-channel multiplexer (3-state) w/5V tol. input/output	.68	.41	.28
511-74LCX373M-TR	74LCX373MTR	SO-20	Octal D-type latch (3-state) with 5V tol. input/output	.70	.38	.26
511-74LCX374M-TR	74LCX374MTR	SO-20	Octal D-type flip-flop (3-state) with 5V tol. input/output	.70	.38	.26
511-74LCX541M-TR	74LCX541MTR	SO-20	Octal bus buffer with 5V tol. input/output	.70	.38	.26
511-74LCX573M	74LCX573M	SO-20	Octal D-type latch (3-state) with 5V tol. input/output	1.02	.87	.77
511-74LCX573T	74LCX573TTR	TSSOP-20	Octal D-type latch (3-state) with 5V tol. input/output	.77	.46	.31
511-74LCX574M-TR	74LCX574MTR	SO-20	Octal D-type flip-flop (3-state) with 5V tol. input/output	.77	.46	.31
511-74LCX646T	74LCX646TTR	TSSOP-24	Octal bus transceiver (3-state) with 5V tol. input/output	.77	.46	.31
511-74LCX16244T	74LCX16244TTR	TSSOP-48	16-bit bus buffer (3-state) with 5V tol. input/output	1.35	.90	.60
511-74LCX16245T	74LCX16245TTR	TSSOP-48	16-bit bus transceiver (3-state) with 5V tol. input/output	1.35	.90	.60
511-74LCXH16245T	74LCXH16245TTR	TSSOP-48	16-bit bus transceiver (3-state) with 5V tol. input/output	1.46	.98	.65
511-74LCX16373T	74LCX16373TTR	TSSOP-48	16-bit D-type latch (3-state) with 5V tol. input/output	1.35	.90	.60

74LVQ LOW VOLTAGE CMOS

- Supply voltage: 3.0 to 3.6V
- Operating temperature: -40°C to +85°C
- Output current: 4mA (min.)
- Propagation delay time: 6ns (Typ)

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Surface Mount						
511-74LVQ00M	74LVQ00M	SO-14	Quad 2-input NAND gate	.34	.29	.26
511-74LVQ02M	74LVQ02M	SO-14	Quad 2-input NOR gate	.34	.29	.26
511-74LVQ04M-TR	74LVQ04MTR	SO-14	Hex inverter	.65	.35	.24
511-74LVQ08M	74LVQ08M	SO-14	Quad 2-input AND gate	.34	.29	.26
511-74LVQ14M	74LVQ14M	SO-14	Hex schmitt inverter	.40	.34	.30
511-74LVQ32M-TR	74LVQ32MTR	SO-14	Quad 2-input OR gate	.65	.35	.24
511-74LVQ74M-TR	74LVQ74MTR	SO-14	Dual D-type flip-flop with preset & clear	.65	.35	.24
511-74LVQ86M	74LVQ86M	SO-14	Quad exclusive OR gate	.46	.39	.35
511-74LVQ125M	74LVQ125M	SO-14	Quad bus buffer (3-state)	.46	.39	.35
511-74LVQ125T	74LVQ125TTR	TSSOP-14	Quad bus buffer (3-state)	.65	.35	.24
511-74LVQ138M-TR	74LVQ138MTR	SO-16	3-to-8 line decoder (inv.)	.68	.41	.28
511-74LVQ157M	74LVQ157M	SO-16	Quad 2-channel multiplexer	.50	.43	.38
511-74LVQ174M-TR	74LVQ174MTR	SO-16	Hex D-type flip-flop with clear	.68	.41	.28
511-74LVQ240M	74LVQ240M	SO-20	Octal bus buffer (3-state/inv.)	.62	.53	.47
511-74LVQ244M	74LVQ244M	SO-20	Octal bus buffer (3-state)	.62	.53	.47
511-74LVQ245M-TR	74LVQ245MTR	SO-20	Octal bus transceiver (3-state)	.77	.46	.31
511-74LVQ273M	74LVQ273M	SO-20	Octal D-type flip-flop with clear	.62	.53	.47
511-74LVQ373M	74LVQ373M	SO-20	Octal D-type latch (3-state)	.62	.53	.47
511-74LVQ374M	74LVQ374M	SO-20	Octal D-type flip-flop (3-state)	.62	.53	.47
511-74LVQ573M-TR	74LVQ573MTR	SO-20	Octal D-type latch (3-state)	.77	.46	.31
511-74LVQ574M-TR	74LVQ574MTR	SO-20	Octal D-type flip-flop (3-state)	.77	.46	.31

74LVT HIGH PERFORMANCE, LOW VOLTAGE BICMOS

- Supply Voltage: 2.7 to 3.6 V
- Operating Temperature: -40 to +85°C
- Propagation delay time: 2.5 ns (Typ)

For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Price Each 1	100	500
Surface Mount						
511-74LVTH16244T	74LVTH16244TTR	TSS0P-48	16-bit bus buffer	1.89	1.32	.95

74LVX HIGH SPEED LOW VOLTAGE CMOS

- Supply voltage: 2.0 to 3.6V
- Operating temperature: -55°C to +125°C
- Output current: 24mA (min.)
- Propagation delay time: 8ns (Typ)

For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Price Each 1	100	500
Surface Mount						
511-74LVX14M-TR	74LVX14MTR	SO-14	Hex schmitt inverter	.49	.23	.14
511-74LVXC3245M	74LVXC3245MTR	SO-24	Octal bus transceiver	1.16	.78	.51
511-74LVX4245M-TR	74LVX4245MTR	SO-24	Octal dual supply bus transceiver	1.16	.78	.51
511-74LVX4245T	74LVX4245TTR	TSSOP-24	Octal dual supply bus transceiver	1.16	.78	.51
511-74LVX574T	74LVX574TTR	TSSOP-20	Octal D-type flip-flop (3-state) w/5V tolerant input	.77	.46	.31
511-74LVX16245T	74LVX16245TTR	TSSOP-48	16-bit bus transceiver (3-state) w/5V tolerant input	1.39	.93	.61

74LVC LOW VOLTAGE HIGH SPEEDS CMOS (IEEE1285)

- Supply voltage: 3.0 to 3.6V
- Operating temperature: -40°C to +85°C
- Output current: 4mA (min.)
- Propagation delay time: 1ns (min)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Surface Mount						
511-74LVC161284T	74LVC161284TTR	TSSOP-48	IEEE1284 high speed transceiver	2.97	2.08	1.49
511-74LVCZ161284AT	74LVCZ161284ATTR	TSSOP-48	IEEE1284 high speed transceiver w/error-free power-up	2.58	2.19	1.79

74VCX HIGH SPEED LOW VOLTAGE CMOS

- Supply voltage: 1.8 to 3.6V
- Operating temperature: -55°C to +125°C
- Input Leakage Current: 5 uA (Typ)
- Propagation delay time @ 3.6V: 2.5 ns (Max)

For quantities of 1000 and up, call for quote

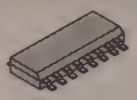
MOUSER STOCK NO.	STM Part No.	Package Type	Description	Price Each 1	100	500
Surface Mount						
511-74VCX16245T	74VCX16245TTR	TSSOP-48	16-bit bus transceiver (3-state) with 3.6V tol. input/output	1.80	1.26	.90
511-74VCXH1632245T	74VCXH1632245TTR	TSSOP-48	16-bit bus transceiver (3-state) with 3.6V tol. input/output	1.70	1.45	1.25

STMICROELECTRONICS Logic

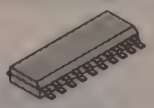
STMicroelectronics

SO-14

TSSOP-14


SO-16

TSSOP-16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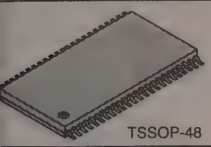
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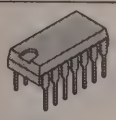
DIP-14

SOT-323-5L

SOT-23-5L

SOT-23-8L

VHC HIGH SPEED LOW VOLTAGE CMOS

pply voltage: 2.0 to 5.5V
perating temperature: -55°C to +125°C
• Input Leakage Current: 0.1 uA (max.)
• Propagation delay time @ 5.0V: 5.5 ns (max.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Price Each 1	100	500
rface Mount						
-74VHC00M	74VHC00M	SO-14	Quad 2-input NAND gate	.36	.31	.27
-74VHC02M	74VHC02M	SO-14	Quad 2-input NOR gate	.36	.31	.27
-74VHC02T	74VHC02TTR	TSSOP-14	Quad 2-input NOR gate	.65	.35	.24
-74VHC04M	74VHC04M	SO-14	Hex inverter	.36	.31	.27
-74VHC05T	74VHC05TTR	TSSOP-14	Hex inverter	.65	.35	.24
-74VHC08M	74VHC08M	SO-14	Quad 2-input AND gate	.36	.31	.27
-74VHC08T	74VHC08TTR	TSSOP-14	Quad 2-input AND gate	.68	.41	.28
-74VHC14M	74VHC14M	SO-14	Hex schmitt trigger inverter	.36	.31	.27
-74VHC14T	74VHC14TTR	TSSOP-14	Hex schmitt trigger inverter	.65	.35	.24
-74VHC86M	74VHC86M	SO-14	Quad exclusive OR gate	.36	.31	.27
-74VHC125M	74VHC125M	SO-14	Quad bus buffer	.48	.41	.36
-74VHC138M-TR	74VHC138MTR	SO-16	3-to-8 line decoder	.55	.30	.20
-74VHC174T	74VHC174TTR	TSSOP-16	Hex D-Type flip-flop	.68	.41	.28
-74VHC373M	74VHC373M	SO-20	Octal D-type latch	.64	.54	.48
-74VHC374M	74VHC374M	SO-20	Octal D-type latch	.64	.54	.48
-74VHC16245T	74VHC16245TTR	TSSOP-48	16-bit bus transceiver (3-state) (non-inverted)	1.46	.98	.65
-74VHC16373T	74VHC16373TTR	TSSOP-48	16-bit D-type latch (3-state) (non-inverted)	1.46	.98	.65
ru Hole						
-74VHC04B	74VHC04B	DIP-14	Hex inverter	.36	.31	.27
-74VHC08B	74VHC08B	DIP-14	Quad 2-input AND gate	.36	.31	.27
-74VHC14B	74VHC14B	DIP-14	Hex schmitt inverter	.36	.31	.27

VHCT HIGH SPEED LOW VOLTAGE CMOS

pply voltage: 4.5 to 5.5V
perating temperature: -55°C to +125°C
• Input Leakage Current: 0.1 uA (Typ)
• Propagation delay time @ 5.0V: 6.7 ns (Max)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Price Each 1	100	500
rface Mount						
-74VHCT04AT	74VHCT04ATTR	TSSOP-14	Hex inverter	.65	.35	.24
-74VHCT238AT	74VHCT238ATTR	TSSOP-16	3-to-8 line decoder	.68	.41	.28
-74VHCT16245AT	74VHCT16245ATTR	TSSOP-48	16-bit bus transceiver (3-state) with 3.6V tol. input/output	2.67	1.87	1.34
ru Hole						
-74VHCT04AB	74VHCT04AB	DIP-14	Hex inverter	.36	.31	.27
-74VHCT08AB	74VHCT08AB	DIP-14	Quad 2-input AND gate	.36	.31	.27

LX1G SINGLE GATE LOW VOLTAGE CMOS

upply Voltage: 1.65 to 5.5 V
perating Temperature: -55 to +125°C
• Output Current: 10 mA (Max)
• Propagation delay time @ 3.0V: 1 ns (Min)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Price Each 1	100	500
rface Mount						
-74LX1G04C	74LX1G04CTR	SOT-323-5L	Single inverter with 5V tolerant input	.46	.25	.15
-74LX1G08C	74LX1G08CTR	SOT-323-5L	Single 2-input AND gate with 5V tolerant input	.46	.25	.15
-74LX1G14C	74LX1G14CTR	SOT-323-5L	Single schmitt inverter with 5V tolerant input	.46	.25	.15
-74LX1G126C	74LX1G126CTR	SOT-323-5L	Single Bus Buffer with 5V tolerant input	.46	.25	.15

74V1G SINGLE GATE HIGH SPEED CMOS

• Supply voltage: 2.0 to 5.5V
• Operating temperature: -40°C to +85°C
• Output Current: 8 mA (min)
• Propagation delay time: 4 ns (Typ)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Price Each 1	100	500
Surface Mount						
511-74V1G00C	74V1G00CTR	SOT-323-5L	Single 2-input NAND gate	.46	.25	.15
511-74V1G00S	74V1G00STR	SOT-23-5L	Single 2-input NAND gate	.28	.24	.21
511-74V1G02S	74V1G02STR	SOT-23-5L	Single 2-input NOR gate	.28	.19	.18
511-74V1G03S	74V1G03STR	SOT-23-5L	Single 2-input NAND gate (open drain)	.28	.24	.21
511-74V1G04C	74V1G04CTR	SOT-323-5L	Single inverter	.44	.24	.14
511-74V1G04S	74V1G04STR	SOT-23-5L	Single inverter	.47	.24	.13
511-74V1GU04S	74V1GU04STR	SOT-23-5L	Single inverter (single stage)	.39	.18	.11
511-74V1G05C	74V1G05CTR	SOT-323-5L	Single inverter	.28	.24	.21
511-74V1G07S	74V1G07STR	SOT-23-5L	Single buffer	.28	.19	.18
511-74V1G08C	74V1G08CTR	SOT-323-5L	Single 2-input AND gate	.28	.24	.21
511-74V1G08S	74V1G08STR	SOT-23-5L	Single 2-input AND gate	.46	.21	.13
511-74V1G14C	74V1G14CTR	SOT-323-5L	Single schmitt inverter	.45	.27	.17
511-74V1G14S	74V1G14STR	SOT-23-5L	Single schmitt inverter	.81	.49	.33
511-74V1G32C	74V1G32CTR	SOT-323-5L	Single 2-input OR gate	.65	.35	.24
511-74V1G32S	74V1G32STR	SOT-23-5L	Single 2-input OR gate	.39	.18	.11
511-74V1G66C	74V1G66CTR	SOT-323-5L	Single bilateral switch	.46	.25	.15
511-74V1G70C	74V1G70CTR	SOT-323-5L	Single bus buffer	.28	.24	.21
511-74V1G70S	74V1G70STR	SOT-23-5L	Single bus buffer	.49	.23	.14
511-74V1G86S	74V1G86STR	SOT-23-5L	Single exclusive OR gate	.39	.18	.11
511-74V1G125C	74V1G125CTR	SOT-323-5L	Single bus buffer (3-state)	.46	.25	.15
511-74V1G125S	74V1G125STR	SOT-23-5L	Single bus buffer (3-state)	.46	.21	.13
511-74V1G384C	74V1G384CTR	SOT-323-5L	Single high speed bus switch	.46	.25	.15

74V2G DUAL GATE HIGH SPEED CMOS

• Supply voltage: 2.0 to 5.5V
• Operating temperature: -55°C to +125°C
• Input/Output Leakage Current: 0.1 uA (min.)
• Delay time @ 5.0V: 0.3ns (Typ)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Price Each 1	100	500
Surface Mount						
511-74V2G66S	74V2G66STR	SOT-23-8L	Dual bilateral switch	.55	.30	.20

74V1T SINGLE GATE HIGH SPEED CMOS

• Supply voltage: 4.5 to 5.5V
• Operating temperature: -40°C to +85°C
• Output Current: 8 mA (min)
• Propagation delay time: 4 ns (Typ)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Price Each 1	100	500
Surface Mount						
511-74V1T00S	74V1T00STR	SOT-23-5L	Single 2-input NAND gate	.28	.19	.18
511-74V1T02S	74V1T02STR	SOT-23-5L	Single 2-input NOR gate	.28	.24	.21
511-74V1T03S	74V1T03STR	SOT-23-5L	Single 2-input NAND gate (open drain)	.28	.24	.21
511-74V1T04C	74V1T04CTR	SOT-323-5L	Single inverter	.39	.18	.11
511-74V1T04S	74V1T04STR	SOT-23-5L	Single inverter	.28	.24	.21
511-74V1T07S	74V1T07STR	SOT-23-5L	Single bus buffer	.28	.19	.18
511-74V1T08C	74V1T08CTR	SOT-323-5L	Single 2-input AND gate	.46	.25	.15
511-74V1T08S	74V1T08STR	SOT-23-5L	Single 2-input AND gate	.28	.19	.18
511-74V1T14C	74V1T14CTR	SOT-323-5L	Single schmitt inverter	.46	.25	.15
511-74V1T14S	74V1T14STR	SOT-23-5L	Single schmitt inverter	.39	.18	.11
511-74V1T32S	74V1T32STR	SOT-23-5L	Single 2-input OR gate	.28	.19	.18
511-74V1T66C	74V1T66CTR	SOT-323-5L	Single bilateral switch	.46	.25	.15
511-74V1T86S	74V1T86STR	SOT-23-5L	Single exclusive OR gate	.28	.19	.18
511-74V1T125C	74V1T125CTR	SOT-323-5L	Single bus buffer (3-state)	.46	.25	.15
511-74V1T125S	74V1T125STR	SOT-23-5L	Single bus buffer (3-state)	.28	.24	.21

74V2T DUAL GATE HIGH SPEED CMOS

• Supply voltage: 4.5 to 5.5V
• Operating temperature: -55°C to +125°C
• Input/Output Leakage Current: 0.1 uA (min)
• Delay time @ 5.0V: 0.6 ns (Typ)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Surface Mount						
511-74V2T66S	74V2T66STR	SOT-23-8L	Dual bilateral switch	.68	.41	.28

STMICROELECTRONICS Logic

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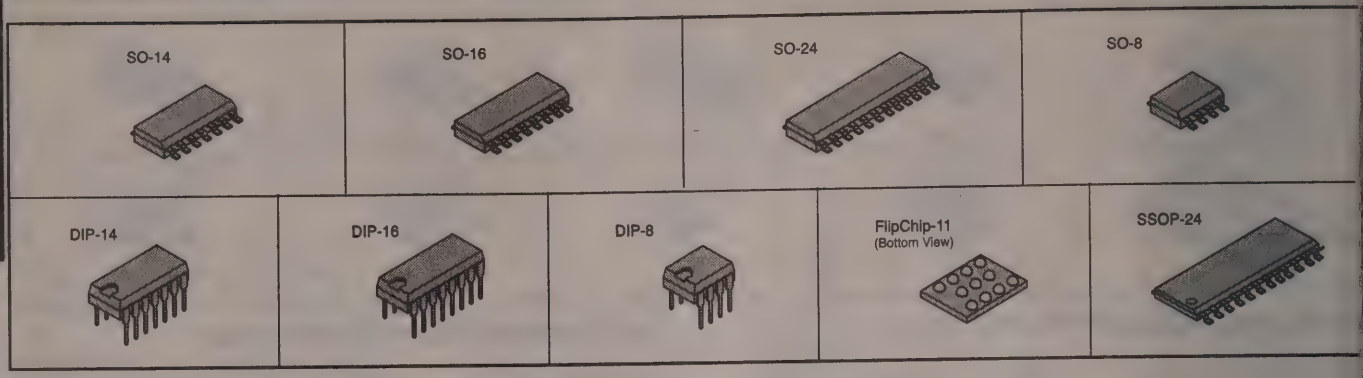

4000 SERIES CMOS

- Supply voltage: 3.0 to 18.0V
- Operating temperature: -40°C to +85°C
- Output Current: 7 mA (Min)
- Propagation delay time: 65 ns (Typ)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Surface Mount						
511-4000BM	HCF4000BM1	SO-14	Dual 3-input NOR gate plus inverter	.34	.29	.26
511-4001BM	HCF4001BM1	SO-14	Quad 2-input NOR gate	.34	.29	.26
511-4007UBM	HCF4007UBM1	SO-14	Dual complementary pair plus inverter	.34	.29	.26
511-4009UBM	HCF4009UBM1	SO-16	Hex buffer/converters inverting	.40	.34	.30
511-4010BM	HCF4010BM1	SO-16	Hex buffer/converters non-inverting	.40	.34	.30
511-4011BM	HCF4011BM1	SO-14	Quad 2-input NAND gate	.34	.29	.26
511-4013BM	HCF4013BM1	SO-14	Dual D-type flip-flop	.40	.34	.30
511-4015BM	HCF4015BM1	SO-16	Dual 4-stage static shift register	1.08	.93	.77
511-4016BM	HCF4016BM1	SO-14	Quad bilateral switch	.38	.32	.29
511-4017BM	HCF4017BM1	SO-16	Decade counter/divider	.60	.51	.45
511-4020BM	HCF4020BM1	SO-16	14-stage binary/ripple counter	.62	.53	.47
511-4021BM	HCF4021BM1	SO-16	8-stage static shift register	.66	.56	.50
511-4024BM	HCF4024BM1	SO-14	7-stage binary/ripple counter	.79	.67	.56
511-4028BM	HCF4028BM1	SO-16	BCD-to-decimal decoder	.52	.44	.39
511-4040BM	HCF4040BM1	SO-16	12-stage binary/ripple counter	.62	.53	.47
511-4043BM	HCF4043BM1	SO-16	Quad 3-state NOR reset/set latch	.52	.44	.39
511-4047BM	HCF4047BM1	SO-14	Monostable/astable multivibrator	.60	.51	.45
511-4049UBM	HCF4049UBM1	SO-16	Hex inverting buffer/converter	.38	.32	.29
511-4050BM	HCF4050BM1	SO-16	Hex non-inverting buffer/converter	.38	.32	.29
511-4051BM	HCF4051BM1	SO-16	Single 8-channel analog multiplexer/demultiplexer	.52	.44	.39
511-4052BM	HCF4052BM1	SO-16	Differential 4-channel analog multiplexer/demultiplexer	.52	.44	.39
511-4053BM	HCF4053BM1	SO-16	Triple 2-channel analog multiplexer/demultiplexer	.52	.44	.39
511-4056BM	HCF4056BM1	SO-16	BCD-to-7 segment decoder/driver	.62	.53	.47
511-4060BM	HCF4060BM1	SO-16	14-stage counter/driver & oscillator	.62	.53	.47
511-4066BM	HCF4066BM1	SO-14	Quad bilateral switch	.40	.34	.30
511-4067BM	HCF4067BM1	SO-24	Single 16-channel analog multiplexer/demultiplexer	2.72	2.31	2.04
511-4069UBM	HCF4069UBM1	SO-14	Hex inverter	.34	.29	.26
511-4070BM	HCF4070BM1	SO-14	Quad exclusive OR gate	.34	.29	.26
511-4071BM	HCF4071BM1	SO-14	Quad 2-input OR gate	.34	.29	.26
511-4077BM	HCF4077BM1	SO-14	Quad exclusive NOR gate	.34	.29	.26
511-4081BM	HCF4081BM1	SO-14	Quad 2-input AND gate	.34	.29	.26
511-4093BM	HCF4093BM1	SO-14	Quad 2-input NAND schmitt trigger	.38	.32	.29
511-4094BM	HCF4094BM1	SO-16	8-stage shift-and-store bus register	.60	.51	.45
511-4098BM	HCF4098BM1	SO-16	Dual monostable multivibrator	.56	.48	.42
511-4099BM	HCF4099BM1	SO-16	8-bit addressable latch	.68	.58	.51
511-4511BM	HCF4511BM1	SO-16	BCD-to-7 segment latch/decoder/driver	.78	.66	.59
511-4518BM	HCF4518BM1	SO-16	Dual BCD up counter	.58	.49	.44
511-4520BM	HCF4520BM1	SO-16	Dual binary up counter	.58	.49	.44
511-4538BM	HCF4538BM1	SO-16	Dual precision monostable multivibrator	.70	.60	.53
511-4541BM	HCF4541BM1	SO-14	Programmable timer	.64	.54	.48
511-4556BM	HCF4556BM1	SO-16	Dual 1-of-4 decoder/demultiplexer (output low)	.58	.49	.44
511-40106BM	HCF40106BM1	SO-14	Hex schmitt trigger	.44	.37	.33
511-40107BM	HCF40107BM1	SO-8	Dual 2-input NAND buffer/driver	.44	.37	.33
511-40109BM	HCF40109BM1	SO-16	Quad low-to-high voltage level shifter	2.98	2.53	2.24
Thru Hole						
511-4001	HCF4001BEY	DIP-14	Quad 2-input NOR gate	.55	.30	.17
511-4007U	HCF4007UBEY	DIP-14	Dual complementary pair plus inverter	.68	.41	.28
511-4011	HCF4011BEY	DIP-14	Quad 2-input NAND gate	.48	.26	.18
511-4013	HCF4013BEY	DIP-14	Dual D-type flip-flop	.48	.26	.18
511-4014	HCF4014BEY	DIP-16	8-stage static synchronous shift register	.63	.37	.25
511-4015	HCF4015BEY	DIP-16	Dual 4-stage static shift register	.48	.26	.18
511-4016	HCF4016BEY	DIP-14	Quad bilateral switch	.65	.35	.24
511-4017	HCF4017BEY	DIP-16	Decade counter/divider	.77	.46	.31
511-4019	HCF4019BEY	DIP-16	Quad AND/OR selectable gate	.81	.49	.33
511-4020	HCF4020BEY	DIP-16	14-stage binary/ripple counter	.60	.32	.22
511-4021	HCF4021BEY	DIP-16	8-stage static shift register	.49	.32	.21
511-4024	HCF4024BEY	DIP-14	7-stage binary/ripple counter	.50	.30	.19
511-4025	HCF4025BEY	DIP-14	Triple 3-input NOR gate	.22	.19	.17
511-4028	HCF4028BEY	DIP-16	BCD-to-decimal decoder	.65	.35	.24
511-4030	HCF4030BEY	DIP-14	Quad exclusive OR gate	.65	.35	.24
511-4040	HCF4040BEY	DIP-16	12-stage binary/ripple counter	.63	.37	.25

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each 1	100	500
Thru Hole (cont.)						
511-4041U	HCF4041UBEY	DIP-14	Quad true/complement buffer	.85	.73	.6
511-4042	HCF4042BEY	DIP-16	Quad clocked D-latch	.68	.41	.2
511-4047	HCF4047BEY	DIP-14	Monostable/astable multivibrator	.60	.32	.2
511-4049U	HCF4049UBEY	DIP-16	Hex inverting buffer/converter	.55	.30	.2
511-4050	HCF4050BEY	DIP-16	Hex non-inverting buffer/converter	.48	.26	.1
511-4051	HCF4051BEY	DIP-16	Single 8-channel analog multiplexer/demultiplexer	.48	.26	.1
511-4052	HCF4052BEY	DIP-16	Differential 4-channel analog multiplexer/demultiplexer	.65	.35	.2
511-4053	HCF4053BEY	DIP-16	Triple 2-channel analog multiplexer/demultiplexer	.48	.26	.1
511-4056	HCF4056BEY	DIP-16	BCD-to-7 segment decoder/driver	.95	.57	.3
511-4060	HCF4060BEY	DIP-16	14-stage counter/driver & oscillator	.65	.35	.2
511-4066	HCF4066BEY	DIP-14	Quad bilateral switch	.55	.26	.1
511-4069U	HCF4069UBEY	DIP-14	Hex inverter	.45	.27	.1
511-4070	HCF4070BEY	DIP-14	Quad exclusive OR gate	.48	.26	.1
511-4071	HCF4071BEY	DIP-14	Quad 2-input OR gate	.55	.26	.1
511-4073	HCF4073BEY	DIP-14	Triple 3-input AND gate	.65	.35	.2
511-4075	HCF4075BEY	DIP-14	Dual 4-input NAND gate	.20	.17	.1
511-4081	HCF4081BEY	DIP-14	Quad 2-input AND gate	.55	.26	.1
511-4082	HCF4082BEY	DIP-14	Dual 4-input AND gate	.34	.29	.2
511-4093	HCF4093BEY	DIP-14	Quad 2-input NAND schmitt trigger	.55	.30	.1
511-4094	HCF4094BEY	DIP-16	8-stage shift-and-store bus register	.55	.26	.1
511-4098	HCF4098BEY	DIP-16	Dual monostable multivibrator	.63	.37	.2
511-4099	HCF4099BEY	DIP-16	8-bit addressable latch	.81	.49	.3
511-4511	HCF4511BEY	DIP-16	BCD-to-7 segment latch/decoder/driver	.72	.43	.3
511-4518	HCF4518BEY	DIP-16	Dual BCD up counter	.86	.51	.3
511-4520	HCF4520BEY	DIP-16	Dual binary up counter	.95	.57	.3
511-4536	HCF4536BEY	DIP-16	Programmable timer	.72	.43	.2
511-4538	HCF4538BEY	DIP-16	Dual precision monostable multivibrator	.65	.35	.2
511-4541	HCF4541BEY	DIP-14	Programmable timer	.65	.35	.2
511-4556	HCF4556BEY	DIP-16	Dual 1-of-4 decoder/demultiplexer (output low)	.68	.41	.2
511-40103	HCF40103BEY	DIP-16	Presettable 8-bit binary down counter	1.05	.70	.4
511-40106	HCF40106BEY	DIP-14	Hex schmitt trigger	.55	.26	.1
511-40107	HCF40107BEY	DIP-8	Dual 2-input NAND buffer/driver	.50	.29	.2
511-40109	HCF40109BEY	DIP-16	Quad low-to-high voltage level shifter	.77	.46	.3
511-40161	HCF40161BEY	DIP-16	Binary counter/asynchronous clear	.68	.41	.2
511-40174	HCF40174BEY	DIP-16	Hex D-type flip-flop	.58	.49	.4

ADVANCED LOGIC - LEVEL TRANSLATORS

- Supply voltage: 1.4 to 3.6 V
- Operating temperature: -40°C to +85°C

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Price Each 1	100	500
Surface Mount						
511-ST4G3234BJR	ST4G3234BJR	FlipChip-11	4-bit dual supply bus buffer with a side series resistor	.70	.60	.5
511-ST4G3235BJR	ST4G3235BJR	FlipChip-11	4-bit dual supply bus buffer with a side series resistor	.70	.60	.5

POWER LOGIC (STPIC SERIES)

- Supply voltage: 4.5 to 5.5V
- Operating temperature: -40°C to +125°C

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Price Each 1	100	500
Surface Mount						
511-STPIC44L02P	STPIC44L02P	SSOP-24	4-channel serial & parallel low side pre-FET driver	1.98	1.68	1.4
511-STPIC6C595M	STPIC6C595M	SO-16	8-bit shift register	1.40	1.19	1.0

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♦ Surface Mount

- strument Grade
- atented EPAD® Technology
- tra Low Input Signal Power
- Ultra Low Input Currents
- Ultra Low Input Offset Voltages
- Separate and Low Outputs
- Temperature Range: 0 to 70°C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Output Drive Current		Input Offset Voltage	Input Bias Current	Response Time	Supply Voltage	Supply Current (Per Comp)	Price Each		
				Min. (mA)	Typ. (mA)	Max. (mV)	Typ./Max. (pA)	Typ. (ns)	Min./Max. (V)	Max. (μA)	1	25	100
585-ALD2321APCL	ALD2321APCL	Source Sink, Push-Pull	DIP-16	24 / -3.5	50 / -4.5	0.2	0.01/20	400	3/10	90	3.65	2.90	2.32
585-ALD2321ASC	ALD2321ASC	Source Sink, Push-Pull	SO-16	24 / -3.5	50 / -4.5	0.2	0.01/20	400	3/10	90	3.65	2.90	2.32
585-ALD2321BPC	ALS2321BPC	Source Sink, Push-Pull	DIP-16	24 / -3.5	50 / -4.5	0.5	0.01/20	400	3/10	90	2.92	2.32	1.86
585-ALD2321BSC	ALD2321BSC	Source Sink, Push-Pull	SO-16	24 / -3.5	50 / -4.5	0.5	0.01/20	400	3/10	90	2.92	2.32	1.86
585-ALD2321PC	ALD2321PC	Source Sink, Push-Pull	DIP-16	24 / -3.5	50 / -4.5	1	0.01/20	400	3/10	90	2.44	1.94	1.55
585-ALD2321SC	ALD2321SC	Source Sink, Push-Pull	SO-16	24 / -3.5	50 / -4.5	1	0.01/20	400	3/10	90	2.44	1.94	1.55

RECISION CMOS VOLTAGE COMPARATORS WITH HIGH OUTPUT CURRENT DRIVERS, HIGH INPUT IMPEDANCE, LOW OWER, AND LOW INPUT OFFSET VOLTAGE

♦ Surface Mount

- strument Grade
- igh Input Impedance
- ow Power
- High Output Currents
- Low Input Offset Voltage
- Near Infinite Current Gain
- Low Input Bias Currents
- Temperature Range: 0 to 70°C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Input Offset Voltage Max. (mV)	Output Drive Current		Input Bias Current	Response Time	Supply Voltage Min./Max. (V)	Supply Current Per Comp	Price Each		
					Min. (mA)	Typ. (mA)	Typ./Max. (pA)	Typ. (ns)		Max. (μA)	1	25	100
585-ALD2302APAL	ALD2302APAL	Push-Pull, Dual	DIP-8	1	24/-2.0	60/-4.5	10/200	180/400	4/12	250	3.35	2.66	2.13
585-ALD2302ASA	ALD2302ASA	Push-Pull, Dual	SO-8	1	24/-2.0	60/-4.5	10/200	180/400	4/12	250	3.35	2.66	2.13
585-ALD2303APAL	ALD2303APAL	Open Drain, Dual	DIP-8	1	24	60	10/200	5000/6500	3/12	20	3.35	2.66	2.13
585-ALD2303ASA	ALD2303ASA	Open Drain, Dual	SO-8	1	24	60	10/200	5000/6500	3/12	20	3.35	2.66	2.13
585-ALD2301APA	ALD2301APA	Open Drain, Dual	DIP-8	2	24	60	10/200	300/650	3/12	90	3.21	2.55	2.04
585-ALD2301ASA	ALD2301ASA	Open Drain, Dual	SO-8	2	24	60	10/200	300/650	3/12	90	3.53	2.81	2.25
585-ALD2302PAL	ALD2302PAL	Push-Pull, Dual	DIP-8	4	24/-2.0	60/-4.5	10/200	180/400	4/12	250	2.23	1.77	1.42
585-ALD2302SA	ALD2302SA	Push-Pull, Dual	SO-8	4	24/-2.0	60/-4.5	10/200	180/400	4/12	250	2.39	1.90	1.52
585-ALD2303PAL	ALD2303PAL	Open Drain, Dual	DIP-8	4	24	60	10/200	5000/6500	3/12	20	2.28	1.81	1.45
585-ALD2303SA	ALD2303SA	Open Drain, Dual	SO-8	4	24	60	10/200	5000/6500	3/12	20	2.39	1.90	1.52
585-ALD2301BPAL	ALD2301BPAL	Open Drain, Dual	DIP-8	5	24	60	10/200	300/650	3/12	90	2.76	2.19	1.75
585-ALD2301BSAL	ALD2301BSAL	Open Drain, Dual	SO-8	5	24	60	10/200	300/650	3/12	90	3.19	2.53	2.03
585-ALD4301APBL	ALD4301APBL	Open Drain, Quad	DIP-14	5	24	60	10/200	300/650	3/12	90	4.22	3.35	2.68
585-ALD4301ASBL	ALD4301ASBL	Open Drain, Quad	SO-14	5	24	60	10/200	300/650	3/12	90	4.22	3.35	2.68
585-ALD4302APB	ALD4302APB	Push-Pull, Quad	DIP-14	5	24/-2.0	60/-4.5	10/200	120/400	3/12	250	4.67	3.71	2.97
585-ALD4302ASB	ALD4302ASB	Push-Pull, Quad	SO-14	5	24/-2.0	60/-4.5	10/200	120/400	3/12	250	4.90	3.89	3.12
585-ALD4303APBL	ALD4303APBL	Open Drain, Quad	DIP-14	5	24	60	10/200	5000/6500	3/12	20	4.97	3.95	3.16
585-ALD4303ASBL	ALD4303ASBL	Open Drain, Quad	SO-14	5	24	60	10/200	5000/6500	3/12	20	4.97	3.95	3.16
585-ALD4303PBL	ALD4303PBL	Open Drain, Quad	DIP-14	10	24	60	10/200	5000/6500	3/12	20	3.58	2.84	2.28
585-ALD4303SBL	ALD4303SBL	Open Drain, Quad	SO-14	10	24	60	10/200	5000/6500	3/12	20	4.40	3.49	2.80
585-ALD2301PA	ALD2301PA	Open Drain, Dual	DIP-8	10	24	60	10/200	300/650	3/12	90	2.12	1.68	1.35
585-ALD2301SAL	ALD2301SAL	Open Drain, Dual	SO-8	10	24	60	10/200	300/650	3/12	90	2.12	1.68	1.35
585-ALD4302PB	ALD4302PB	Push-Pull, Quad	DIP-14	10	24/-2.0	60/-4.5	10/200	120/400	3/12	250	4.10	3.26	2.61
585-ALD4302SB	ALD4302SB	Push-Pull, Quad	SO-14	10	24/-2.0	60/-4.5	10/200	120/400	3/12	250	4.38	3.48	2.78
585-ALD4301PBL	ALD4301PBL	Open Drain, Quad	DIP-14	10	24	60	10/200	300/650	3/12	90	3.69	2.93	2.35
585-ALD4301SBL	ALD4301SBL	Open Drain, Quad	SO-14	10	24	60	10/200	300/650	3/12	90	3.69	2.93	2.35
585-ALD2301CPA	ALD2301CPA	Open Drain, Dual	DIP-8	20	24	60	10/400	300/650	3/12	90	1.96	1.56	1.25
585-ALD2301CSA	ALD2301CSA	Open Drain, Dual	SO-8	20	24	60	10/400	300/650	3/12	90	1.96	1.56	1.25

LTRA LOW CHARGE INJECTION LOW VOLTAGE ANALOG SWITCHES

♦ Surface Mount

- recision Switches
- igh Fidelity Small Signal Switching
- Low Voltage
- Temperature Range: 0 to 70°C
- Supply Voltage: Min. - 3±1.5V, Max. - 12±6V
- Supply Current: 1μA

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Switch Action	Charge Injection Typ./Max. (pC)	Source Off Leakage Max. (pA)	Ron (Ohm) Max.	Turn-On Time (ns) Max.	Price Each		
									1	25	100
585-ALD4201PC	ALD4201PC	Quad SPST NC	DIP-16	Break-before-Make	2.0/5.0	100	180	240	2.26	1.79	1.44
585-ALD4201SC	ALD4201SC	Quad SPST NC	SO-16	Break-before-Make	1.0/2.5	100	180	240	2.49	1.97	1.58
585-ALD4202MPC	ALD4202MPC	Quad SPST NO	DIP-16	Make-before-Break	1.0/2.0	100	180	110	2.26	1.79	1.44
585-ALD4202MSC	ALD4202MSC	Quad SPST NO	SO-16	Make-before-Break	0.7/2.0	100	180	110	2.49	1.97	1.58
585-ALD4211PC	ALD4211PC	Quad SPST NC	DIP-16	Break-before-Make	0.2/1.0	100	190	130	2.26	1.79	1.44
585-ALD4211SC	ALD4211SC	Quad SPST NC	SO-16	Break-before-Make	0.2/1.0	100	190	130	2.49	1.97	1.58
585-ALD4212PC	ALD4212PC	Quad SPST NO	DIP-16	Break-before-Make	0.2/1.0	100	190	130	2.26	1.79	1.44
585-ALD4212SCL	ALD4212SCL	Quad SPST NO	SO-16	Break-before-Make	0.2/1.0	100	190	130	2.49	1.97	1.58
585-ALD4213PC	ALD4213PC	Dual NO/Dual NC	DIP-16	Break-before-Make	0.2/1.0	100	190	130	2.26	1.79	1.44
585-ALD4213SC	ALD4213SC	Dual NO/Dual NC	SO-16	Break-before-Make	0.2/1.0	100	190	130	2.49	1.97	1.58

RECISION LOW DRIFT, LOW POWER, ANALOG TIMERS WITH HIGH DISCHARGE OUTPUT

♦ Surface Mount

- recision
- igh Speed
- igh Input Impedance
- Stable with Supply Voltage Changes
- Temperature Range: 0 to 70°C
- Temperature Drift: Typ. 10ppm / °C
- Timer Accuracy: Typ. 1%

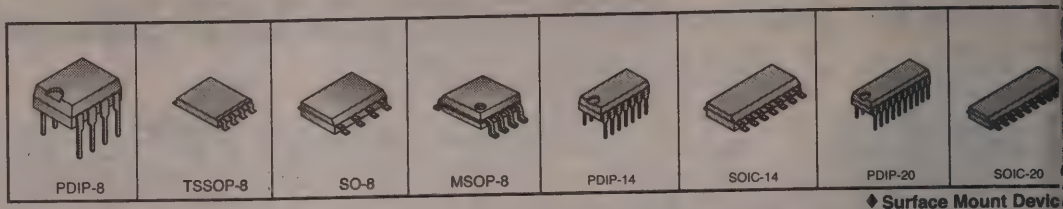
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Type	Supply Volt. Drift (Typ.) (%/V)	Discharge Output Voltage/Current (V)/(mA)	Supply Voltage		Sup. Current (per Timer) (μA) Max.	Price Each		
							Min. (V)	Max. (V)		1	25	100
585-ALD1502PAL	ALD1502PAL	Micropower CMOS Timer	DIP-8	Single	0.2	1.0 @ 80	2	12	90	1.50	1.19	.96
585-ALD1502SAL	ALD1502SAL	Micropower CMOS Timer	SO-8	Single	0.2	1.0 @ 80	2	12	90	1.50	1.19	.96
585-ALD2502PB	ALD2502PB	Micropower CMOS Timer	DIP-14	Dual	0.2	1.0 @ 80	2	12	90	2.17	1.72	1.38
585-ALD2502SB	ALD2502SB	Micropower CMOS Timer	SO-14	Dual	0.2	1.0 @ 80	2	12	90	2.14	1.70	1.36
585-ALD4501PEL	ALD4501PEL	Micropower CMOS Timer	DIP-20	Quad	0.1	1.0 @ 40	2	12	67.5	4.47	3.55	2.84
585-ALD555PA	ALD555PA	CMOS Timer	DIP-8	Single	0.1	1.0 @ 80	2	12	180	1.50	1.19	.96
585-ALD555SA	ALD555SA	CMOS Timer	SO-8	Single	0.1	1.0 @ 80	2	12	180	1.50	1.19	.96

CATALYST Digitally Programmable Potentiometers

CATALYST SEMICONDUCTOR, INC

DPP Advantages:
- Easy, fast adjustment
  - -With digital control, NO screwdrivers!
  - -During Assemble
  - -For field maintenance and calibration
  - -Without "opening" the box or access holes
- In-system calibration
  - -NO access holes needed
  - -Maintain EMI specs
- Non-volatile wiper position
- Multiple POTs per IC package
  - -Small PCB footprint



♦ Surface Mount Devic

CATALYST 32 AND 100 TAP CONFIGURED DIGITALLY PROGRAMMABLE POTENTIOMETERS (DPP™)

Features:
- 32 position linear taper
- Nonvolatile wiper position storage
- Low power CMOS technology
- Single supply operation: 2.5V to 6.0V
- Increment up/down control
- Buffered output, CAT5111 & CAT5112
- Resistor values: 10kΩ, 50kΩ and 100kΩ

For quantities of 500 and up, call for quot

MOUSER STOCK NO. / Mfr. Mfr. Part Number	Package	Supply Range (V)	Type	Taps	Resistance Option (kΩ)	Buffered Wiper	Digital Interface	Supply Type	Price Each 1	25	100	250
698—CAT5112P-00	PDIP-8	2.5-6.0	Single	32	100	Yes	Increment / Decrement	Single	1.08	.86	.75	.70
698—CAT5112PI-00	PDIP-8	2.5-6.0	Single	32	100	Yes	Increment / Decrement	Single	1.13	.90	.79	.73
♦ 698—CAT5112S-00	SOIC-8	2.5-6.0	Single	32	100	Yes	Increment / Decrement	Single	1.08	.86	.75	.70
♦ 698—CAT5112SI-00	SOIC-8	2.5-6.0	Single	32	100	Yes	Increment / Decrement	Single	1.13	.90	.79	.73
♦ 698—CAT5112RI-00	MSOP-8	2.5-6.0	Single	32	100	Yes	Increment / Decrement	Single	1.17	.94	.82	.70
698—CAT5112P-10	PDIP-8	2.5-6.0	Single	32	10	Yes	Increment / Decrement	Single	1.08	.86	.75	.70
698—CAT5112PI-10	PDIP-8	2.5-6.0	Single	32	10	Yes	Increment / Decrement	Single	1.13	.90	.79	.73
♦ 698—CAT5112S-10	SOIC-8	2.5-6.0	Single	32	10	Yes	Increment / Decrement	Single	1.08	.86	.75	.70
♦ 698—CAT5112SI-10	SOIC-8	2.5-6.0	Single	32	10	Yes	Increment / Decrement	Single	1.13	.90	.79	.73
698—CAT5114P-00	PDIP-8	2.5-6.0	Single	32	100	No	Increment / Decrement	Single	1.02	.81	.71	.66
698—CAT5114PI-00	PDIP-8	2.5-6.0	Single	32	100	No	Increment / Decrement	Single	1.07	.85	.74	.68
♦ 698—CAT5114S-00	SOIC-8	2.5-6.0	Single	32	100	No	Increment / Decrement	Single	1.02	.81	.71	.66
♦ 698—CAT5114SI-00	SOIC-8	2.5-6.0	Single	32	100	No	Increment / Decrement	Single	1.07	.85	.74	.68
♦ 698—CAT5114R-00	MSOP-8	2.5-6.0	Single	32	100	No	Increment / Decrement	Single	1.08	.86	.75	.70
♦ 698—CAT5114U-00	TSSOP-8	2.5-6.0	Single	32	100	No	Increment / Decrement	Single	1.08	.86	.75	.70
698—CAT5114P-10	PDIP-8	2.5-6.0	Single	32	10	No	Increment / Decrement	Single	1.02	.81	.71	.66
698—CAT5114PI-10	PDIP-8	2.5-6.0	Single	32	10	No	Increment / Decrement	Single	1.07	.85	.74	.68
♦ 698—CAT5114S-10	SOIC-8	2.5-6.0	Single	32	10	No	Increment / Decrement	Single	1.02	.81	.71	.66
♦ 698—CAT5114SI-10	SOIC-8	2.5-6.0	Single	32	10	No	Increment / Decrement	Single	1.07	.85	.74	.68
♦ 698—CAT5114RI-10	MSOP-8	2.5-6.0	Single	32	10	No	Increment / Decrement	Single	1.13	.90	.79	.73
♦ 698—CAT5111S-00	SOIC-8	2.5-6.0	Single	100	100	Yes	Increment / Decrement	Single	1.50	1.20	1.05	.97
698—CAT5111P-10	PDIP-8	2.5-6.0	Single	100	10	Yes	Increment / Decrement	Single	1.50	1.20	1.05	.97
698—CAT5111PI-10	PDIP-8	2.5-6.0	Single	100	10	Yes	Increment / Decrement	Single	1.57	1.26	1.10	1.03
♦ 698—CAT5111S-10	SOIC-8	2.5-6.0	Single	100	10	Yes	Increment / Decrement	Single	1.50	1.20	1.05	.97
♦ 698—CAT5111SI-10	SOIC-8	2.5-6.0	Single	100	10	Yes	Increment / Decrement	Single	1.57	1.26	1.10	1.03
♦ 698—CAT5111U-10	TSSOP-8	2.5-6.0	Single	100	10	Yes	Increment / Decrement	Single	1.56	1.24	1.09	1.01
♦ 698—CAT5111UI-10	TSSOP-8	2.5-6.0	Single	100	10	Yes	Increment / Decrement	Single	1.63	1.31	1.14	1.06
♦ 698—CAT5113S-00	SOIC-8	2.5-6.0	Single	100	100	No	Increment / Decrement	Single	1.40	1.12	.98	.91
♦ 698—CAT5113SI-00	SOIC-8	2.5-6.0	Single	100	100	No	Increment / Decrement	Single	1.47	1.17	1.02	.95
♦ 698—CAT5113U-00	TSSOP-8	2.5-6.0	Single	100	100	No	Increment / Decrement	Single	1.46	1.16	1.02	.95
♦ 698—CAT5113UI-00	TSSOP-8	2.5-6.0	Single	100	100	No	Increment / Decrement	Single	1.53	1.22	1.07	.99
698—CAT5113P-10	PDIP-8	2.5-6.0	Single	100	10	No	Increment / Decrement	Single	1.40	1.12	.98	.91
698—CAT5113PI-10	PDIP-8	2.5-6.0	Single	100	10	No	Increment / Decrement	Single	1.47	1.17	1.02	.95
♦ 698—CAT5113S-10	SOIC-8	2.5-6.0	Single	100	10	No	Increment / Decrement	Single	1.40	1.12	.98	.91
♦ 698—CAT5113SI-10	SOIC-8	2.5-6.0	Single	100	10	No	Increment / Decrement	Single	1.47	1.17	1.02	.95
♦ 698—CAT5113R-10	MSOP-8	2.5-6.0	Single	100	10	No	Increment / Decrement	Single	1.46	1.16	1.02	.95
♦ 698—CAT5113RI-10	MSOP-8	2.5-6.0	Single	100	10	No	Increment / Decrement	Single	1.53	1.22	1.07	.99
♦ 698—CAT5113U-10	TSSOP-8	2.5-6.0	Single	100	10	No	Increment / Decrement	Single	1.46	1.16	1.02	.95
♦ 698—CAT5113UI-10	TSSOP-8	2.5-6.0	Single	100	10	No	Increment / Decrement	Single	1.53	1.22	1.07	.99

CATALYST 256 TAP CONFIGURED DIGITALLY PROGRAMMABLE POTENTIOMETER (DPP™)

Features:
- Direct WRITE and READ wiper settings
- Buffered wipers
- Independent reference terminal inputs, CAT525
- Rail-to-rail output range
- Single supply operation: 2.7V to 5.5V
- 3-wire serial interface
- 8-bit resolution or 256 tap positions
- Four (4) independently addressable wipers
- Nonvolatile wiper position storage

For quantities of 500 and up, call for qu

MOUSER STOCK NO. / Mfr. Mfr. Part Number	Package	Supply Range (V)	Type	Taps	Resistance Options (kΩ)	Buffered Wiper	Independent Reference Input	Digital Interface	Supply Type	Price Each 1	25	100	25
698—CAT521P	PDIP-14	2.7-5.5	Single	256	28	Yes	N/A	3-Wire Single	Single	2.60	2.08	1.82	1.
698—CAT521PI	PDIP-14	2.7-5.5	Single	256	28	Yes	N/A	3-Wire Single	Single	2.73	2.18	1.91	1.
♦ 698—CAT521J	SOIC-14	2.7-5.5	Single	256	28	Yes	N/A	3-Wire Single	Single	2.60	2.08	1.82	1.
♦ 698—CAT521JI	SOIC-14	2.7-5.5	Single	256	28	Yes	N/A	3-Wire Single	Single	2.73	2.18	1.91	1.
698—CAT522P	PDIP-14	2.7-5.5	Dual	256	28	Yes	Yes	3-Wire Single	Single	3.14	2.51	2.19	2.
698—CAT522PI	PDIP-14	2.7-5.5	Dual	256	28	Yes	Yes	3-Wire Single	Single	3.29	2.63	2.30	2.
698—CAT523P	PDIP-14	2.7-5.5	Dual	256	28	Yes	No	3-Wire Single	Single	3.00	2.40	2.10	1.
698—CAT523PI	PDIP-14	2.7-5.5	Dual	256	28	Yes	No	3-Wire Single	Single	3.15	2.52	2.20	2.
698—CAT524P	PDIP-14	2.7-5.5	Quad	256	28	Yes	No	3-Wire Single	Single	3.48	2.78	2.43	2.
698—CAT524PI	PDIP-14	2.7-5.5	Quad	256	28	Yes	No	3-Wire Single	Single	3.65	2.92	2.55	2.
♦ 698—CAT524J	SOIC-14	2.7-5.5	Quad	256	28	Yes	No	3-Wire Single	Single	3.48	2.78	2.43	2.
♦ 698—CAT524JI	SOIC-14	2.7-5.5	Quad	256	28	Yes	No	3-Wire Single	Single	3.65	2.92	2.55	2.
698—CAT525P	PDIP-20	2.7-5.5	Quad	256	28	Yes	Yes	3-Wire Single	Single	4.42	3.53	3.09	2.
698—CAT525PI	PDIP-20	2.7-5.5	Quad	256	28	Yes	Yes	3-Wire Single	Single	4.64	3.71	3.24	3.
♦ 698—CAT525J	SOIC-20	2.7-5.5	Quad	256	28	Yes	Yes	3-Wire Single	Single	4.42	3.53	3.09	2.
♦ 698—CAT525JI	SOIC-20	2.7-5.5	Quad	256	28	Yes	Yes	3-Wire Single	Single	4.64	3.71	3.24	3.

CATALYST Supervisors and DC-DC Converters

CATALYST SEMICONDUCTOR, INC.

ATALYST μP SUPERVISORY CIRCUITS WITH WATCHDOG TIMER AND SERIAL EEPROM

ervisory Functions:
- wer Supply Voltage Supervisor
- -Issues reset signal if power supply fails or is out of tolerance
- -Insures μ C operates with power supply voltage
- -Power-On reset and brownout protection

atchdog Timer (CAT1161, CAT1163)
- -Restarts microcontroller/ASIC that has stalled because of a hardware or software failure

Memory Functions:
- 16K bit EEPROM Memory
- 400kHz I^2C Interface
  - -10ms maximum write time
  - -16 byte page write buffer
  - -Hardware write protection

Supervisor with Memory Advantages:
- Replaces two ICs with one
- Reduced PCB footprint by 50%
- Low cost

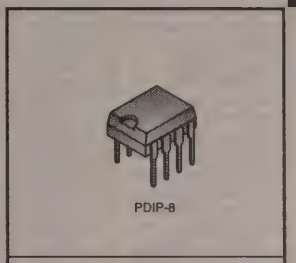
CAT1161 and CAT1163 Features:
- Watchdog monitors SDA signal (CAT1161)
- Watchdog timer input (WDI) (CAT1163)
- 400kHz I^2C bus compatible
- 2.7v to 6.0V operation
- Low power CMOS technology
- 16 byte page write buffer
- Built-in inadvertent write protection
  - -VCC lock out
  - -Write protect pin, WP
- Active high or low reset
  - -Precision power supply voltage monitor
  - -5V, 3.3V and 3V systems
  - -Five threshold voltage options
- 1,000,000 Program erase cycles
- Manual Reset
- 100 Year data retention
- 8-pin DIP or 8-pin SOIC

CAT1162 Features:
- No watchdog timer
- Lowest cost
- Other features same as CAT1161 and CAT1163

urface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Reset Level (V)	Package	Operating Voltage	Temperature Range	Price Each 1	25	100	250
P Supervisory Circuits and 16K-bit I^2C Serial EEPROM Memory, Watchdog Timer on SDA								
8-CAT1161JI-25	2.5	SOIC-8	2.5-6.0	-40° - 85° C	1.21	.96	.84	.78
8-CAT1161P-25	2.5	PDIP-8	2.5-6.0	0° - 70° C	1.14	.91	.80	.74
8-CAT1161PI-25	2.5	PDIP-8	2.5-6.0	-40° - 85° C	1.21	.96	.84	.78
8-CAT1161PI-28	2.8	PDIP-8	2.5-6.0	-40° - 85° C	1.21	.96	.84	.78
8-CAT1161JI-30	3	SOIC-8	2.5-6.0	-40° - 85° C	1.21	.96	.84	.78
8-CAT1161J-42	4.2	SOIC-8	2.5-6.0	0° - 70° C	1.14	.91	.80	.74
8-CAT1161JI-42	4.2	SOIC-8	2.5-6.0	-40° - 85° C	1.21	.96	.84	.78
8-CAT1161P-42	4.2	PDIP-8	2.5-6.0	0° - 70° C	1.14	.91	.80	.74
8-CAT1161PI-42	4.2	PDIP-8	2.5-6.0	-40° - 85° C	1.21	.96	.84	.78
8-CAT1161J-45	4.5	SOIC-8	2.5-6.0	0° - 70° C	1.14	.91	.80	.74
8-CAT1161PI-45	4.5	PDIP-8	2.5-6.0	-40° - 85° C	1.21	.96	.84	.78
P Supervisory Circuits and 16K-bit I^2C Serial EEPROM Memory								
8-CAT1162P-25	2.5	PDIP-8	2.5-6.0	0° - 70° C	1.07	.86	.75	.70
8-CAT1162PI-25	2.5	PDIP-8	2.5-6.0	-40° - 85° C	1.14	.91	.80	.74
8-CAT1162JI-28	2.8	SOIC-8	2.5-6.0	-40° - 85° C	1.14	.91	.80	.74
8-CAT1162P-28	2.8	PDIP-8	2.5-6.0	0° - 70° C	1.07	.86	.75	.70
8-CAT1162PI-28	2.8	PDIP-8	2.5-6.0	-40° - 85° C	1.14	.91	.80	.74
8-CAT1162PI-30	3	PDIP-8	2.5-6.0	-40° - 85° C	1.14	.91	.80	.74
8-CAT1162J-42	4.2	SOIC-8	2.5-6.0	0° - 70° C	1.07	.86	.75	.70
8-CAT1162JI-42	4.2	SOIC-8	2.5-6.0	-40° - 85° C	1.14	.91	.80	.74
8-CAT1162PI-42	4.2	PDIP-8	2.5-6.0	-40° - 85° C	1.14	.91	.80	.74
8-CAT1162J-45	4.5	SOIC-8	2.5-6.0	0° - 70° C	1.07	.86	.75	.70
8-CAT1162P-45	4.5	PDIP-8	2.5-6.0	0° - 70° C	1.07	.86	.75	.70
8-CAT1162PI-45	4.5	PDIP-8	2.5-6.0	-40° - 85° C	1.14	.91	.80	.74
P Supervisory Circuit and 16K-bit I^2C Serial EEPROM Memory, Watchdog Timer (WDI Input)								
8-CAT1163J-25	2.5	SOIC-8	2.5-6.0	0° - 70° C	1.21	.96	.84	.78
8-CAT1163PI-25	2.5	PDIP-8	2.5-6.0	-40° - 85° C	1.27	1.02	.89	.83
8-CAT1163J-28	2.8	SOIC-8	2.5-6.0	0° - 70° C	1.21	.96	.84	.78
8-CAT1163JI-28	2.8	SOIC-8	2.5-6.0	-40° - 85° C	1.27	1.02	.89	.83
8-CAT1163P-28	2.8	PDIP-8	2.5-6.0	0° - 70° C	1.21	.96	.84	.78
8-CAT1163PI-28	2.8	PDIP-8	2.5-6.0	-40° - 85° C	1.27	1.02	.89	.83
8-CAT1163J-30	3	SOIC-8	2.5-6.0	0° - 70° C	1.21	.96	.84	.78
8-CAT1163JI-30	3	SOIC-8	2.5-6.0	-40° - 85° C	1.27	1.02	.89	.83
8-CAT1163PI-30	3	PDIP-8	2.5-6.0	-40° - 85° C	1.27	1.02	.89	.83
8-CAT1163J-42	4.2	SOIC-8	2.5-6.0	0° - 70° C	1.21	.96	.84	.78
8-CAT1163P-42	4.2	PDIP-8	2.5-6.0	0° - 70° C	1.21	.96	.84	.78
8-CAT1163PI-42	4.2	PDIP-8	2.5-6.0	-40° - 85° C	1.27	1.02	.89	.83
8-CAT1163PI-45	4.5	PDIP-8	2.5-6.0	-40° - 85° C	1.27	1.02	.89	.83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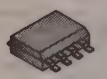
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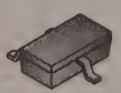
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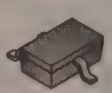
SOT-143


SC-70

SO-8

ATALYST μP SUPERVISORS WITHOUT EEPROM MEMORY

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nominal Threshold (V)	Package	Manual Reset	Output Polarity	Price Each 1	25	100	250
8-CAT809ZEUR-T	2.32	SOT-23	No	Push-Pull, Active LOW	.38	.30	.27	.25
8-CAT810REUR-T	2.63	SOT-23	No	Push-Pull, Active HIGH	.38	.30	.27	.25
8-CAT809REUR-T	2.63	SOT-23	No	Push-Pull, Active LOW	.38	.30	.27	.25
8-CAT812REUS-T	2.63	SOT-143	Yes	Push-Pull, Active HIGH	.40	.32	.28	.26
8-CAT811REUS-T	2.63	SOT-143	Yes	Push-Pull, Active LOW	.40	.32	.28	.26
8-CAT810SEUR-T	2.93	SOT-23	No	Push-Pull, Active HIGH	.38	.30	.27	.25
8-CAT809SEUR-T	2.93	SOT-23	No	Push-Pull, Active LOW	.38	.30	.27	.25
8-CAT809SEXR-T	2.93	SC-70	No	Push-Pull, Active LOW	.44	.35	.31	.29
8-CAT812SEUS-T	2.93	SOT-143	Yes	Push-Pull, Active HIGH	.40	.32	.28	.26
8-CAT811SEUS-T	2.93	SOT-143	Yes	Push-Pull, Active LOW	.40	.32	.28	.26
8-CAT810TEUR-T	3.08	SOT-23	No	Push-Pull, Active HIGH	.38	.30	.27	.25
8-CAT809TEUR-T	3.08	SOT-23	No	Push-Pull, Active LOW	.38	.30	.27	.25
8-CAT809JEUR-T	4.00	SOT-23	No	Push-Pull, Active LOW	.38	.30	.27	.25
8-CAT811JEUS-T	4.00	SOT-143	Yes	Push-Pull, Active LOW	.40	.32	.28	.26
8-CAT810MEUR-T	4.38	SOT-23	No	Push-Pull, Active HIGH	.38	.30	.27	.25
8-CAT809MEUR-T	4.38	SOT-23	No	Push-Pull, Active LOW	.38	.30	.27	.25
8-CAT811MEUS-T	4.38	SOT-143	Yes	Push-Pull, Active LOW	.40	.32	.28	.26
8-CAT810LEUR-T	4.63	SOT-23	No	Push-Pull, Active HIGH	.38	.30	.27	.25
8-CAT809LEUR-T	4.63	SOT-23	No	Push-Pull, Active LOW	.38	.30	.27	.25
8-CAT811LEUS-T	4.63	SOT-143	Yes	Push-Pull, Active LOW	.40	.32	.28	.26

ATALYST CAT660 DC-DC CONVERTERS

atures:
- 00mA output current
- harge pump; no inductor required
- Selectable frequency: 10kHz/80kHz
- Replaces Linear Technology LTC 660
- Replaces Maxim Max660
- 8-lead SO and DIP
- New Thin TDFN package (4x4mm): 0.8mm maximum height

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Package	Supply Voltage (V)	Temperature Range	Supply Current (ma) (typ)	Output Current (mA) (min)	Oscillation Freq. (kHz) (typ)	Power Efficiency (%)	Voltage Conversion Eff. % (typ)	Price Each 1	25	100	250
98-CAT660CPA	PDIP-8	1.5 - 5.5	0°C to 70° C	1	100	10 - 80	88 - 98	99.9	2.10	1.68	1.47	1.37
98-CAT660EPA	PDIP-8	1.5 - 5.5	-40°C to 85°C	1	100	10 - 80	88 - 98	99.9	2.40	1.92	1.68	1.56
98-CAT660CSA	SO-8	1.5 - 5.5	0°C to 70° C	1	100	10 - 80	88 - 98	99.9	1.62	1.30	1.13	1.05
98-CAT660ESA	SO-8	1.5 - 5.5	-40°C to 85°C	1	100	10 - 80	88 - 98	99.9	1.80	1.44	1.26	1.17
98-CAT660ERD8	TDFN-8	1.5 - 5.5	-40°C to 85°C	1	100	10 - 80	88 - 98	99.9	2.52	2.02	1.76	1.64

FAIRCHILD Converters and Comparators

FAIRCHILD SEMICONDUCTOR

A/D CONVERTERS

♦ Surface Mount Device

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Fairchild Part No.	Package	Number of Converters	Resolution	Conversion Rate (MSPS)	ILE	DLE	Power Consumption (mW)	Input / Output	Power Supply		Price Each			
										Digital	Analog	1	25	100	25
218	A/D Converters														
♦ 512-SPT7734SCS	SPT7734SCS	SOIC-28	1	8	40	1	0.5	175	TTL/CMOS	5	5	10.00	8.30	7.62	6.2
♦ 512-SPT7734SCT	SPT7734SCT	PQFP-32	1	8	40	1	0.5	175	TTL/CMOS	5	5	10.00	8.30	7.62	6.2
♦ 512-TMC1175AM7C20	TMC1175AM7C20	SOIC-24	1	8	20	0.5	0.5	158	-	5	5	4.98	3.98	3.58	2.7
♦ 512-TMC1175AR3C20	TMC1175AR3C20	PLCC-28	1	8	20	0.5	0.5	158	-	5	5	16.95	13.56	12.20	9.4
♦ 512-TMC1175AM7C30	TMC1175AM7C30	SOIC-24	1	8	30	0.5	0.5	184	-	5	5	6.23	4.98	4.48	3.4
♦ 512-TMC1175AM7C40	TMC1175AM7C40	SOIC-24	1	8	40	0.5	0.5	210	-	5	5	7.48	5.98	5.38	4.1
♦ 512-TMC1175AR3C40	TMC1175AR3C40	PLCC-28	1	8	40	0.5	0.5	210	-	5	5	30.53	24.42	21.98	17.0
♦ 512-SPT7855SCS	SPT7855SCS	SOIC-28	1	10	25	1	0.5	135	TTL	5	5	18.00	14.40	12.96	10.0
♦ 512-SPT7855SCT	SPT7855SCT	PQFP-32	1	10	25	1	0.5	135	TTL	5	5	18.00	14.40	12.96	10.0
♦ 512-SPT7855SIS	SPT7855SIS	SOIC-28	1	10	25	1	0.5	135	TTL	5	5	25.50	20.40	18.36	14.2
♦ 512-SPT7855SIT	SPT7855SIT	PQFP-32	1	10	25	1	0.5	135	TTL	5	5	25.50	20.40	18.36	14.2
♦ 512-SPT7860SCS	SPT7860SCS	SOIC-28	1	10	40	1	0.5	175	TTL	5	5	16.00	12.80	11.52	8.9
♦ 512-SPT7860SCT	SPT7860SCT	PQFP-32	1	10	40	1	0.5	175	TTL	5	5	16.00	12.80	11.52	8.9
♦ 512-SPT7861SCS	SPT7861SCS	SOIC-28	1	10	40	1	0.5	160	TTL	5	5	25.00	20.00	18.00	14.4
♦ 512-SPT7861SCT	SPT7861SCT	PQFP-32	1	10	40	1	0.5	160	TTL	5	5	21.35	19.20	16.30	14.2
♦ 512-SPT8100SIT	SPT8100SIT	TQFP-44	1	16	5	1.25	0.5	465	CMOS	5	5	90.00	72.00	64.80	50.4
♦ 512-TMC1103KLC20	TMC1103KLC20	MQFP-80	3	8	20	0.5	0.5	472	-	-	5	32.50	26.00	23.40	18.2
♦ 512-TMC1103KLC40	TMC1103KLC40	MQFP-80	3	8	40	0.5	0.5	630	-	-	5	42.50	34.00	30.60	23.8
♦ 512-TMC1103KLC50	TMC1103KLC50	MQFP-80	3	8	50	0.5	0.5	709	-	-	5	47.50	38.00	34.20	26.6
♦ 512-TMC1203KLC40	TMC1203KLC40	MQFP-80	3	8	40	0.5	0.5	630	-	5	5	38.25	30.60	27.54	21.4
♦ 512-TMC1203KLC50	TMC1203KLC50	MQFP-80	3	8	50	0.5	0.5	709	-	5	5	43.25	34.60	31.14	24.2

D/A CONVERTERS

♦ Surface Mount Device

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Fairchild Part No.	Package	Number of Converters	Resolution	Conversion Rate (MSPS)	ILE	DLE	Power Consumption (mW)	Input / Output	Power Supply		Price Each			
										Digital	Analog	1	25	100	25
D/A Converters															
♦ 512-SPT5240SIT	SPT5240SIT	TQFP-32	1	10	400	1.3	0.9	140	CMOS	3	3	40.74	34.23	24.93	20.3
♦ 512-FMS3810KRC	FMS3810KRC	LQFP-48	3	8	100	0.5	0.5	655	-	-	5	14.38	11.50	10.35	8.2
♦ 512-FMS3815KRC	FMS3815KRC	LQFP-48	3	8	150	0.5	0.5	655	-	-	5	15.75	12.60	11.34	8.9
♦ 512-FMS3818KRC	FMS3818KRC	LQFP-48	3	8	180	0.5	0.5	300	-	-	3.3	13.85	11.08	9.97	7.8
♦ 512-TMC3503R2C30	TMC3503R2C30	PLCC-44	3	8	30	0.5	0.5	525	-	-	5	15.88	12.70	11.43	8.9
♦ 512-TMC3503KRC50	TMC3503KRC50	LQFP-48	3	8	50	0.5	0.5	525	-	-	5	19.28	15.42	13.88	10.8
♦ 512-TMC3503R2C50	TMC3503R2C50	PLCC-44	3	8	50	0.5	0.5	525	-	-	5	19.28	15.42	13.88	10.8
♦ 512-TMC3503KRC80	TMC3503KRC80	MQFP-48	3	8	80	0.5	0.5	655	-	-	5	23.48	18.78	16.90	13.2
♦ 512-TMC3503R2C80	TMC3503R2C80	PLCC-44	3	8	80	0.5	0.5	655	-	-	5	23.48	18.78	16.90	13.2
♦ 512-TMC3533KRC30	TMC3533KRC30	MQFP-48	3	8	30	0.25	0.25	330	-	-	3.3	15.88	12.70	11.43	8.9
♦ 512-TMC3533KRC50	TMC3533KRC50	LQFP-48	3	8	50	0.25	0.25	330	-	-	3.3	19.28	15.42	13.88	10.8
♦ 512-TMC3533R2C50	TMC3533R2C50	PLCC-44	3	8	50	0.25	0.25	330	-	-	3.3	19.28	15.42	13.88	10.8
♦ 512-TMC3533KRC80	TMC3533KRC80	LQFP-48	3	8	80	0.25	0.25	346	-	-	3.3	23.48	18.78	16.90	13.2
♦ 512-TMC3533R2C80	TMC3533R2C80	PLCC-44	3	8	80	0.25	0.25	346	-	-	3.3	23.48	18.78	16.90	13.2
♦ 512-FMS3110KRC	FMS3110KRC	LQFP-48	3	10	100	1	1	655	-	-	5	17.50	14.00	12.60	9.8
♦ 512-TMC3003R2C30	TMC3003R2C30	PLCC-44	3	10	30	1	1	525	-	-	5	31.25	25.00	22.50	17.5
♦ 512-TMC3003R2C50	TMC3003R2C50	PLCC-44	3	10	50	1	1	525	-	-	5	39.55	31.64	28.48	22.2
♦ 512-TMC3003R2C80	TMC3003R2C80	PLCC-44	3	10	80	1	1	656	-	-	5	39.55	31.64	28.48	22.2
♦ 512-TMC3033KRC80	TMC3033KRC80	LQFP-48	3	10	80	1	1	435	-	-	3.3	39.55	31.64	28.48	22.2

EVALUATION BOARDS

MOUSER STOCK NO.	Fairchild Part No.	Device Supported	Price Each
512-EB7734	EB7734	SPT7734	354.00
512-EB7855	EB7855	SPT7855	420.00
512-EB7860	EB7860	SPT7860	420.00
512-EB7861	EB7861	SPT7861	420.00

MOUSER STOCK NO.	Fairchild Part No.	Device Supported	Price Each
512-EB7935	EB7935	SPT7935	360.00
512-EB7936	EB7936	SPT7936	360.00
512-EB8100	EB8100	SPT8100	420.00

COMPARATORS

♦ Surface Mount Device

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Fairchild Part No.	Package	Supply Voltage (V)	Voltage Gain Typ. V/mV	Supply Current typ. (mA)	Input Offset Voltage max (mV)	Input Offset Current Max.	Input Bias Current Max.	Response Time	Price Each			
										1	25	100	2
512-KA3302	KA3302	DIP-14	14 - 28	30	2	20	100	250	1400	.55	.46	.33	
♦ 512-KA3302D	KA3302D	SOP-14	14 - 28	30	2	20	100	250	1400	.55	.46	.33	
512-LM3302N	LM3302N	DIP-14	14 - 28	30	2	20	100	250	1400	.40	.34	.30	
512-KA2901	KA2901	DIP-14	18 - 36	100	1.1	7	50	250	1400	.58	.51	.43	
♦ 512-KA2901D	KA2901D	SOP-14	18 - 36	100	1.1	7	50	250	1400	.57	.50	.43	
512-KA2903	KA2903	DIP-8	18 - 36	100	0.6	7	50	250	1500	.59	.51	.43	
♦ 512-LM2901MX	LM2901MX	SOP-14	18 - 36	100	2	7	50	250	1400	.41	.35	.31	
512-LM2901N	LM2901N	DIP-14	18 - 36	100	2	7	50	250	1400	.41	.31	.30	
♦ 512-LM2903IMX	LM2903IMX	SOIC-8	18 - 36	100	0.6	7	50	250	1500	.40	.34	.30	
♦ 512-LM2903MX	LM2903MX	SOIC-8	18 - 36	100	0.6	7	50	250	1500	.41	.35	.31	
512-LM2903N	LM2903N	DIP-8	18 - 36	100	0.6	7	50	250	1500	.41	.35	.31	
512-KA239	KA239	DIP-14	18 - 36	200	1.1	5	50	250	1400	.59	.49	.35	
♦ 512-KA239D	KA239D	SOP-14	18 - 36	200	1.1	5	50	250	1400	.59	.49	.35	
512-KA239A	KA239A	DIP-14	18 - 36	200	1.1	2	50	250	1400	.59	.49	.35	
♦ 512-KA239ADTF	KA239ADTF	SOP-14	18 - 36	200	1.1	2	50	250	1400	.59	.49	.35	
512-KA339	KA339	DIP-14	18 - 36	200	1.1	5	50	250	1400	.55	.48	.41	
512-KA339A	KA339A	DIP-14	18 - 36	200	1.1	2	50	250	1400	.42	.35	.25	
♦ 512-KA339AD	KA339AD	SOP-14	18 - 36	200	1.1	2	50	250	1400	.46	.39	.28	
512-KA393	KA393	DIP-8	18 - 36	200	0.6	5	50	250	1400	.47	.41	.34	
512-KA393A	KA393A	DIP-8	18 - 36	200	0.6	5	50	250	1400	.46	.39	.28	

FAIRCHILD SEMICONDUCTOR COMPARATORS (CONT.)

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Supply Voltage (V)	Voltage Gain Typ. V/mV	Supply Current Typ. (mA)	Input Offset Voltage max (mV)	Input Offset Current Max.	Input Bias Current Max.	Response Time	Price Each 1	25	100	250
512-KA393ADTF	KA393ADTF	SOIC-8	18 - 36	200	0.6	5	50	250	1400	.46	.39	.28	.22
512-LM239AMX	LM239AMX	SOP-14	18 - 36	200	1.1	2	50	250	1400	.36	.30	.26	.21
512-LM339AM	LM339AM	SOP-14	18 - 36	200	2	5	50	250	1400	.36	.30	.26	.21
512-LM339AN	LM339AN	DIP-14	18 - 36	200	2	5	50	250	1400	.36	.31	.27	.23
512-LM339MX	LM339MX	SOP-14	18 - 36	200	2	5	50	250	1400	.36	.31	.27	.23
512-LM339N	LM339N	DIP-14	18 - 36	200	2	5	50	250	1400	.36	.31	.27	.23
512-LM393AN	LM393AN	DIP-8	18 - 36	200	0.6	5	50	250	1400	.34	.29	.25	.21
512-LM393MX	LM393MX	SOIC-8	18 - 36	200	0.6	5	50	250	1400	.34	.29	.25	.21
512-LM393N	LM393N	DIP-8	18 - 36	200	0.6	5	50	250	1400	.34	.29	.25	.21
512-KA319	KA319	DIP-14	36	40	3.6	8	200	1000	80	.84	.70	.50	.40
512-KA319D	KA319D	SOP-14	36	40	3.6	8	200	1000	80	.84	.70	.50	.40
512-LM319MX	LM319MX	SOP-14	36	40	3.6	8	200	1000	80	.38	.32	.28	.23
512-LM319N	LM319N	DIP-14	36	40	3.6	8	200	1000	80	.38	.32	.28	.24
512-KA311	KA311	DIP-8	36	200	3	7.5	50	250	200	.56	.48	.41	.37
512-KA311D	KA311D	SOIC-8	36	200	3	7.5	50	250	200	.56	.49	.41	.37
512-LM311MX	LM311MX	SOIC-8	36	200	3	7.5	50	250	200	.36	.30	.26	.21
512-LM311N	LM311N	DIP-8	36	200	3	7.5	50	250	200	.36	.30	.26	.21

FAIRCHILD SEMICONDUCTOR LVDS ANALOG INTERFACE

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	No. of Bits	No. of Drivers	No. of Receivers	Flow Thru Pin Out	Output Characteristics	Input Characteristics	Standard	Price Each 1	25	100	250
512-FIN1019M	FIN1019M	SOIC-14	1	1	1	Yes	-	Fail-safe	RS-644	1.73	1.44	1.15	1.04
512-FIN1019MTC	FIN1019MTC	TSSOP-14	1	1	1	Yes	-	Fail-safe	RS-644	1.73	1.44	1.15	1.04
512-FIN1101M	FIN1101M	SOIC-8	1	1	1	Yes	-	Fail-safe Wide Common Mode Range	-	1.65	1.38	1.10	.99
512-FIN1101K8X	FIN1101K8X	US-8	1	1	1	Yes	-	Fail-safe Wide Common Mode Range	-	1.71	1.43	1.14	1.03
512-FIN1001M5	FIN1001M5	SOT-23	1	1	-	Yes	-	-	-	.76	.63	.50	.45
512-FIN1017M	FIN1017M	SOIC-8	1	1	-	Yes	-	-	RS-644	1.53	1.28	1.02	.93
512-FIN1017K8X	FIN1017K8X	US-8	1	1	-	Yes	-	-	RS-644	1.33	1.11	.89	.80
512-FIN1022M	FIN1022M	SOIC-16	2	2	2	Yes	-	Fail-safe Wide Common Mode Range	-	7.96	6.63	5.30	4.77
512-FIN1022MTC	FIN1022MTC	TSSOP-16	2	2	2	Yes	-	Fail-safe Wide Common Mode Range	-	7.96	6.63	5.30	4.77
512-FIN1027M	FIN1027M	SOIC-8	2	2	2	Yes	-	-	RS-644	1.40	1.17	.94	.84
512-FIN1027K8X	FIN1027K8X	US-8	2	2	2	Yes	-	-	RS-644	1.40	1.17	.94	.84
512-FIN1027AM	FIN1027AM	SOIC-8	2	2	2	Yes	-	-	RS-644	1.40	1.17	.94	.84
512-FIN1049MTC	FIN1049MTC	TSSOP-16	2	2	2	Yes	Enables	Fail-safe Wide Common Mode Range	-	2.61	2.18	1.74	1.56
512-FIN1102MTC	FIN1102MTC	TSSOP-14	2	2	2	Yes	-	Fail-safe Wide Common Mode Range	-	3.06	2.55	2.04	1.84
512-FIN1025MTC	FIN1025MTC	TSSOP-14	2	2	-	-	-	-	-	1.98	1.65	1.32	1.19
512-FIN1215MTD	FIN1215MTD	TSSOP-48	21	3	-	-	-	-	-	5.52	4.30	3.56	3.26
512-FIN1217MTD	FIN1217MTD	TSSOP-48	21	3	-	-	-	-	-	7.81	6.08	5.03	4.61
512-FIN1104MTC	FIN1104MTC	TSSOP-24	4	4	4	Yes	-	Fail-safe Wide Common Mode Range	-	5.61	4.68	3.74	3.37
512-FIN1031M	FIN1031M	SOIC-16	4	4	-	Yes	-	-	RS-644	2.16	1.80	1.44	1.30
512-FIN1031MTC	FIN1031MTC	TSSOP-16	4	4	-	Yes	-	-	RS-644	2.16	1.80	1.44	1.30
512-FIN1047M	FIN1047M	SOIC-16	4	4	-	Yes	-	-	RS-644	2.16	1.80	1.44	1.30
512-FIN1531M	FIN1531M	SOIC-16	4	4	-	No	-	-	RS-644	2.52	2.10	1.68	1.51
512-FIN1531MTC	FIN1531MTC	TSSOP-16	4	4	-	No	-	-	RS-644	2.52	2.10	1.68	1.51
512-FIN3383MTD	FIN3383MTD	TSSOP-56	28	4	-	-	-	-	-	3.54	2.95	2.36	2.12
512-FIN3385MTD	FIN3385MTD	TSSOP-56	28	4	-	-	-	-	-	4.50	3.75	3.00	2.70
512-FIN1108MTD	FIN1108MTD	TSSOP-48	8	8	8	Yes	-	Fail-safe Wide Common Mode Range	-	11.01	9.18	7.34	6.61
512-FIN1002M5	FIN1002M5	SOT-23	1	-	1	Yes	-	Fail-safe	-	.76	.63	.50	.45
512-FIN1018M	FIN1018M	SOIC-8	1	-	1	Yes	-	Fail-safe	RS-644	1.53	1.28	1.02	.93
512-FIN1018K8X	FIN1018K8X	US-8	1	-	1	Yes	-	Fail-safe	RS-644	1.33	1.11	.89	.80
512-FIN1026MTC	FIN1026MTC	TSSOP-14	2	-	2	-	-	-	-	1.98	1.65	1.32	1.19
512-FIN1028M	FIN1028M	SOIC-8	2	-	2	Yes	-	Fail-safe	RS-644	1.40	1.17	.94	.84
512-FIN1216MTD	FIN1216MTD	TSSOP-48	21	-	3	-	-	-	-	5.18	4.32	3.46	3.11
512-FIN1218MTD	FIN1218MTD	TSSOP-48	21	-	3	-	-	-	-	8.03	6.70	5.35	3.49
512-FIN1032M	FIN1032M	SOIC-16	4	-	4	Yes	-	Fail-safe	RS-644	2.16	1.80	1.44	1.30
512-FIN1032MTC	FIN1032MTC	TSSOP-16	4	-	4	Yes	-	Fail-safe	RS-644	2.16	1.80	1.44	1.30
512-FIN1048M	FIN1048M	SOIC-16	4	-	4	Yes	-	Fail-safe	RS-644	2.59	2.16	1.73	1.56
512-FIN1048MTC	FIN1048MTC	TSSOP-16	4	-	4	Yes	-	Fail-safe	RS-644	2.59	2.16	1.73	1.56
512-FIN1532M	FIN1532M	SOIC-16	4	-	4	No	-	Fail-safe	RS-644	2.52	2.10	1.91	1.51
512-FIN1532MTC	FIN1532MTC	TSSOP-16	4	-	4	No	-	Fail-safe	RS-644	2.52	2.10	1.68	1.51
512-FIN1047MTC	FIN1047MTC	TSSOP-16								2.16	1.80	1.44	1.30

FAIRCHILD SEMICONDUCTOR ANALOG SWITCHES

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	No. of Switches	On Resistance (Ω)	Leakage Current (uA)	Crosstalk (dB)	Off Isolation (dB)	Max Turn On/Off Time (ns)	Bandwidth (MHz)	Undershoot Protection	TTL Control Inputs	Price Each 1	25	100
512-FSA1156L6X	FSA1156L6X	MicroPak-6	1	0.75	0	-	-65	20 / 30	300	No	Yes	.57	.47	.42
512-FSA1156P6X	FSA1156P6X	SC70-6	1	0.75	0	-	-65	20 / 30	300	No	Yes	.57	.47	.42
512-FSA66L6X	FSA66L6X	MicroPak-6	1	5	10	-	-50	4.5 / 5	250	No	No	.42	.35	.28
512-FSA66M5X	FSA66M5X	SOT-23-5	1	5	10	-	-50	4.5 / 5	250	No	No	.14	.12	.10
512-FSA66P5X	FSA66P5X	SC70-5	1	5	10	-	-50	4.5 / 5	250	No	No	.14	.12	.10
512-FSAT66L6X	FSAT66L6X	MicroPak-6	1	5	10	-	-50	4.5 / 5.5	250	No	Yes	.31	.26	.23
512-FSAT66P5X	FSAT66P5X	SC70-5	1	5	10	-	-50	4.5 / 5.5	250	No	Yes	.31	.26	.20
512-NC7SZ66L6X	NC7SZ66L6X	MicroPak-6	1	5	10	-	-50	4.5 / 5	-	No	No	.30	.25	.18
512-NC7SZ66M5X	NC7SZ66M5X	SOT-23-5	1	5	10	-	-50	4.5 / 5	-	No	No	.20	.16	.12
512-NC7SZ66P5X	NC7SZ66P5X	SC70-5	1	5	10	-	-50	4.5 / 5	-	No	No	.20	.16	.12
512-FSA1256L8X	FSA1256L8X	MicroPak-8	2	0.95	0	-100	-70	35 / 15	300	No	Yes	.90	.75	.66
512-NC7WB66K8X	NC7WB66K8X	US8-8	2	6	0.1	-70	-55	3.2 / 4.1	300	No	No	.45	.38	.27
512-NC7WB66L8X	NC7WB66L8X	MicroPak-6	2	6	0.1	-70	-55	3.2 / 4.1	300	No	No	.48	.40	.29
512-FSA266K8X	FSA266K8X	US8-8	2	6	0.1	-70	-55	3.2 / 4.1	300	No	No	.40	.33	.26
512-FSA266L8X	FSA266L8X	MicroPak-8	2	6	0.1	-70	-55	3.2 / 4.1	300	No	No	.43	.36	.32

FAIRCHILD Interface

FAIRCHILD SEMICONDUCTOR

ANALOG SWITCHES (CON'T)

♦ Surface Mount Device — For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Fairchild Part No.	Package	No. of Switches	On Resistance (Ω)	Leakage Current (uA)	Crosstalk (dB)	Off Isolation (dB)	Max Turn On/Off Time (ns)	Bandwidth (MHz)	Undershoot Protection	TTL Control Inputs	Price Each 1	25	100
SPST - Normally Closed														
♦ 512-FSA1157L6X	FSA1157L6X	MicroPak-6	1	0.75	0	-	-65	20 / 30	300	No	Yes	.57	.47	.42
♦ 512-FSA1157P6X	FSA1157P6X	SC70-6	1	0.75	0	-	-65	20 / 30	300	No	Yes	.57	.47	.42
♦ 512-FSA1257L8X	FSA1257L8X	MicroPak-8	2	0.95	0	-100	-70	35 / 15	300	No	Yes	.90	.75	.66
SPST - Normally Open/Normally Closed														
♦ 512-FSA4157L6X	FSA4157L6X	MicroPak-6	1	0.95	0.002	-70	-70	35 / 15	350	No	No	.60	.51	.46
♦ 512-FSA4157P6X	FSA4157P6X	SC70-6	1	0.95	0.002	-70	-70	35 / 15	350	No	No	.63	.54	.49
♦ 512-FSA3157L6X	FSA3157L6X	MicroPak-6	1	5	0.1	-54	-57	5.2 / 3.5	250	No	No	.42	.35	.28
♦ 512-FSA3157P6X	FSA3157P6X	SC70-6	1	5	0.1	-54	-57	5.2 / 3.5	250	No	No	.31	.26	.20
♦ 512-FSA3357K8X	FSA3357K8X	US8-8	1	5	0.1	-60	-58	6.5 / 3.7	250	No	No	.99	.84	.75
♦ 512-FSAU3157P6X	FSAU3157P6X	SC70-6	1	5	0.1	-54	-57	5.2 / 3.5	250	Yes	No	.72	.60	.48
♦ 512-FSA2267L10X	FSA2267L10X	MicroPak-10	2	0.35	0.5	-80	-80	42 / 18	45	No	Yes	1.47	1.23	1.08
♦ 512-FSA1258L8X	FSA1258L8X	MicroPak-8	2	0.95	0	-100	-70	35 / 15	300	No	Yes	.90	.75	.66
♦ 512-FSA2257L10X	FSA2257L10X	MicroPak-10	2	0.95	0	-75	-70	35 / 15	350	No	Yes	1.35	1.13	.99
SPDT														
♦ 512-NC7SB3157L6X	NC7SB3157L6X	MicroPak-6	1	5	0.1	-54	-57	5.2/3.5	250	No	No	.47	.40	.28
♦ 512-NC7SB3157P6X	NC7SB3157P6X	SC70-6	1	5	0.1	-54	-57	5.2/3.5	250	No	No	.25	.21	.15
♦ 512-NC7SBU3157P6X	NC7SBU3157P6X	SC70-6	1	5	0.1	-54	-57	5.2/3.5	250	Yes	No	1.01	.84	.60
♦ 512-FSUSB22BQX	FSUSB22BQX	DQFN-16	2	4.5	1	-40	-40	6/4	750	No	Yes	3.23	2.70	1.93

USB DEVICES

♦ Surface Mount Device — For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Fairchild Part No.	Package	Vcc (V)	Speed (Mbps)	EDS (kV)	Input Characteristics	Price Each 1	25	100	250
♦ 512-USB1T11AMX	USB1T11AMX	SOIC-14	3.3	1.5/12	9.5	USB1.1 Transceiver	.78	.65	.52	.4
♦ 512-USB1T11AMTCX	USB1T11AMTCX	TSSOP-14	3.3	1.5/12	9.5	USB1.1 Transceiver	.78	.65	.52	.4
♦ 512-USB1T20MTCX	USB1T20MTCX	TSSOP-14	3.3	1.5/12	9.5	USB2.0 Transceiver	.90	.75	.66	.5
♦ 512-USB1T1102MHX	USB1T1102MHX	MHBCC-14	5.0	12	15	USB2.0 Transceiver with Voltage Regulator	1.38	1.15	1.01	.8
♦ 512-USB1T1102MPX	USB1T1102MPX	MLP-14	5.0	12	15	USB2.0 Transceiver with Voltage Regulator	1.38	1.15	1.01	.8

ANALOG TIMERS

♦ Surface Mount Device — For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Fairchild Part No.	Package	Supply Voltage (Max) (V)	Supply Voltage (Min) (V)	Control Voltage at Vcc 5V (Max) (V)	Control Voltage at Vcc 5V (Min) (V)	Threshold Voltage at Vcc 5V (Max) (V)	Threshold Voltage at Vcc 5V (Min) (V)	Trigger Voltage at Vcc 5V (Max) (V)	Trigger Voltage at Vcc 5V (Min) (V)	Operating Temp. (°C)	Price Each 1	25	100
SPST - Normally Closed														
512-KA555	KA555	DIP-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	.92	.69	.57
♦ 512-KA555D	KA555D	SOIC-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	.42	.35	.25
♦ 512-LM555CM	LM555CM	SOIC-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	.33	.25	.23
512-LM555CN	LM555CN	DIP-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	.33	.25	.23
♦ 512-NE555D	NE555D	SOIC-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	.32	.27	.24
512-NE555N	NE555N	DIP-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	.32	.27	.24
512-KA555I	KA555I	DIP-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	-40 ~ +85	.58	.48	.35
♦ 512-KA555ID	KA555ID	SOIC-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	-40 ~ +85	.00	.00	.00
Dual														
512-KA556	KA556	DIP-14	16	4.5	4	2.6	4.2	2.4	2.2	1.1	0 ~ +70	.92	.69	.57
♦ 512-KA556D	KA556D	SOP-14	16	4.5	4	2.6	4.2	2.4	2.2	1.1	0 ~ +70	.00	.00	.00
♦ 512-LM556CM	LM556CM	SOP-14	16	4.5	4	2.6	4.2	2.4	2.2	1.1	0 ~ +70	.36	.30	.26
512-LM556CN	LM556CN	DIP-14	16	4.5	4	2.6	4.2	2.4	2.2	1.1	0 ~ +70	.36	.30	.26
512-KA556I	KA556I	DIP-14	16	4.5	4	2.6	4.2	2.4	2.2	1.1	-40 ~ +85	.66	.55	.40
Quad														
512-KA558B	KA558B	DIP-16	16	4.5	-	-	-	-	-	-	0 ~ +70	.88	.74	.53
♦ 512-SA555D	SA555D	SOIC-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	-40 ~ +85	.51	.42	.30

TEMPERATURE SENSORS

♦ Surface Mount Device — For quantities of 500 and up, call for q

MOUSER STOCK NO.	Fairchild Part No.	Package	Output Slope (Sensor Gain)	Supply Curr. (Max) (uA)	Supply Voltage (Max) (V)	Supply Voltage (Min) (V)	Accuracy (+/- Celsius)	User Configurable Resolution (Bits)	Price Each 1	25	100	25
♦ 512-FM50S3X	FM50S3X	SOT-23	10 mV/deg	130	6	2.4	3	-	.72	.60	.48	
♦ 512-FM20P5X	FM20P5X	SC70-5	-12 mV/deg	12	6	2.4	3	-	.72	.60	.48	
♦ 512-FM20S3X	FM20S3X	SOT-23	-12 mV/deg	12	6	2.4	3	-	.72	.60	.48	
♦ 512-FM75M8	FM75M8	SOIC-8	-	150	5.5	2.7	3	9,10,11,12	2.77	2.31	1.65	1.
♦ 512-FM75MM8	FM75MM8	MSOP-8	-	150	5.5	2.7	3	9,10,11,12	2.77	2.31	1.65	1.

FREESCALE Analog IC's

freescale™ semiconductor

CLOCK GENERATORS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Output Freq. Max (MHz)	Core Volt. (V)	I/O Voltage (Max)(V)	Operating Temp. (Min-Max) (°C)	Input Technology	Output Technology	Output	Price Each 1	25	100
841-MPC9774FA	MPC9774FA	LQFP 52	125	3.3	3.3	0 to 70	LVCMOS	LVCMOS	15	6.48	5.74	5.18
841-MPC9653FA	MPC9653FA	LQFP 32	125	3.3	3.3	0 to 70	LVPECL Ref	LVCMOS	8	5.02	4.45	4.02
841-MPC9653AFA	MPC9653AFA	LQFP 32	125	3.3	3.3	0 to 70	LVPECL, LVPECL Ref	LVCMOS	8	5.02	4.45	4.02
841-MPC9653AACR2	MPC9653AACR2	LQFP 32	125	3.3	3.3	0 to 70	LVPECL, LVPECL Ref	LVCMOS	8	5.02	4.45	4.02
841-MPC9315FA	MPC9315FA	LQFP 32	160	2.5, 3.3	2.5, 3.3	-40 to 85	2 selectable LVCMOS	LVCMOS	8	6.65	5.89	5.32
841-MPC9993FA	MPC9993FA	LQFP 32	200	3.3	3.3	-40 to 85	LVPECL	LVPECL	5	13.34	11.81	10.67
841-MPC9893FA	MPC9893FA	LQFP 48	200	2.5, 3.3	2.5, 3.3	-40 to 85	LVCMOS	LVCMOS	9	14.00	12.40	11.20
841-MPC9608FA	MPC9608FA	LQFP 32	200	3.3	3.3	-40 to 85	LVCMOS	LVCMOS	10	5.30	4.70	4.24
841-MPC9352FA	MPC9352FA	LQFP 32	200	2.5, 3.3	2.5, 3.3	-40 to 85	LVCMOS	LVCMOS	11	6.66	4.56	4.34
841-MPC9351FA	MPC9351FA	LQFP 32	200	2.5, 3.3	2.5, 3.3	-40 to 85	LVCMOS, LVPECL	LVCMOS	9	5.50	4.87	4.40
841-MPC9350FA	MPC9350FA	LQFP 32	200	2.5, 3.3	2.5, 3.3	-40 to 85	LVCMOS, XTAL	LVCMOS	9	6.28	5.56	5.03
841-MPC9331FA	MPC9331FA	LQFP 32	200	3.3	3.3	0 to 70	LVCMOS, LVPECL	LVCMOS	6	8.56	7.58	6.85
841-MPC9330FA	MPC9330FA	LQFP 32	200	3.3	3.3	0 to 70	LVCMOS, XTAL	LVCMOS	6	8.56	7.58	6.85
841-MPC9773FA	MPC9773FA	LQFP 52	240	3.3	3.3	0 to 70	LVCMOS, LVPECL	LVCMOS	12	6.48	5.74	5.18
841-MPC9772FA	MPC9772FA	LQFP 52	240	3.3	3.3	0 to 70	LVCMOS, XTAL	LVCMOS	12	6.48	5.74	5.18
841-MPC93R52FA	MPC93R52FA	LQFP 32	240	3.3	3.3	0 to 70	LVCMOS	LVCMOS	11	5.50	4.87	4.40
841-MPC93R51FA	MPC93R51FA	LQFP 32	240	3.3	3.3	0 to 70	LVCMOS, LVPECL	LVCMOS	9	5.50	4.87	4.40
841-MPC9658FA	MPC9658FA	LQFP 32	250	2.5, 3.3	2.5, 3.3	-40 to 85	LVPECL Ref	LVCMOS	10	6.60	5.84	5.28
841-MPC9456FA	MPC9456FA	LQFP 32	250	2.5, 3.3	2.5, 3.3	-40 to 85	LVPECL	LVCMOS	10	6.81	6.03	5.45
841-MPC9446FA	MPC9446FA	LQFP 32	250	2.5, 3.3	2.5, 3.3	-40 to 85	LVCMOS	LVCMOS	10	5.30	4.70	4.24
841-MPC9443FA	MPC9443FA	LQFP 48	250	2.5, 3.3	2.5, 3.3	-40 to 85	LVCMOS, LVPECL	LVCMOS	16	7.40	6.56	5.92
841-MPC942CFA	MPC942CFA	LQFP 32	250	2.5, 3.3	2.5, 3.3	0 to 70	LVCMOS, LVTTL	LVCMOS	18	5.71	5.05	4.56
841-MPC941FA	MPC941FA	LQFP 48	250	2.5, 3.3	2.5, 3.3	-40 to 85	LVCMOS, LVPECL	LVCMOS	27	10.64	9.42	8.51
841-MPC940LFA	MPC940LFA	LQFP 32	250	2.5, 3.3	2.5, 3.3	0 to 70	LVCMOS, LVPECL	LVCMOS	18	4.55	4.03	3.64
841-MPC940LAC	MPC940LAC	LQFP 32	250	2.5, 3.3	2.5, 3.3	0 to 70	LVCMOS, LVPECL	LVCMOS	18	4.55	4.03	3.64
841-MPC9109FA	MPC9109FA	LQFP 32	250	2.5, 3.3	2.5, 3.3	0 to 70	LVCMOS, LVPECL	LVCMOS	18	3.38	2.99	2.70
841-MPC905D	MPC905D	SOIC 16	250	2.5, 3.3	2.5, 3.3	0 to 70	LVCMOS, LVPECL	LVCMOS	18	3.14	2.15	2.05
841-MPC9448FA	MPC9448FA	LQFP 32	275	2.5, 3.3	2.5, 3.3	-40 to 85	LVCMOS, LVPECL	LVCMOS	12	5.30	4.70	4.24
841-MPC9447FA	MPC9447FA	LQFP 32	275	2.5, 3.3	2.5, 3.3	-40 to 85	LVTTL	LVCMOS	9	5.30	4.70	4.24
841-MPC9992FA	MPC9992FA	LQFP 32	400	2.5, 3.3	2.5, 3.3	-40 to 85	LVPECL, XTAL	LVPECL	7	14.35	12.71	11.48
841-MPC9229FN	MPC9229FN	PLCC 28	400	3.3	3.3	0 to 70	XTAL	LVPECL	1	7.04	6.23	5.63
841-MPC9230FN	MPC9230FN	PLCC 28	800	3.3	3.3	0 to 70	LVCMOS, XTAL	LVPECL	1	7.40	6.56	5.92
841-MPC9239FA	MPC9239FA	LQFP 32	900	3.3	3.3	0 to +70	LVCMOS	LVPECL	2	7.65	6.77	6.12

BUFFERS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Vcc (V)	Max Part-Part Skew (ps)	Max Output Skew (ps)	Outputs	Price Each 1	25	100
841-MC100ES6011D	MC100ES6011D	SOIC-8	3.3, 2.5	150	20	1:2	9.05	6.34	5.43
841-MC100ES6014DT	MC100ES6014DT	SOIC-20	3.3, 2.5	225	45	1:5	12.73	8.91	7.64
841-MC100ES6111AC	MC100ES6111AC	LQFP-32	3.3, 2.5	250	35	1:10	13.75	9.63	8.25
841-MC100ES6111FA	MC100ES6111FA	LQFP-32	3.3, 2.5	250	35	1:10	13.75	9.63	8.25
841-MC100ES6130DT	MC100ES6130DT	TSSOP-16	3.3, 2.5	150	25	1:4	16.68	11.67	10.01
841-MC100ES6139DT	MC100ES6139DT	SOIC-20	3.3	300	50	1:4	17.05	11.94	10.23
841-MC100ES6210FA	MC100ES6210FA	LQFP-32	3.3, 2.5	175	35	Dual 1:5	13.75	9.63	8.25
841-MC100ES6220TB	MC100ES6220TB	LQFP-52	3.3, 2.5	200	50	Dual 1:10 Diff	17.15	12.01	10.29
841-MC100ES6221TB	MC100ES6221TB	LQFP-52	3.3, 2.5	300	50	Dual 1:20 Diff	15.53	10.87	9.32
841-MC100ES6222TB	MC100ES6222TB	LQFP-52	3.3, 2.5	300	50	Dual 1:15 Diff	14.53	10.17	8.72
841-MC100ES6226FA	MC100ES6226FA	LQFP-32	3.0, 2.5	325	35	1:9	14.08	9.85	8.45
841-MC100ES6254FA	MC100ES6254FA	LQFP-32	3.0, 2.5	250	35	1:6 or Dual 1:3	14.75	8.56	8.15

ENCODERS / DECODERS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Function	Address Lines	Address Codes Max.	Number of Data Bits	Price Each 1	25	100
841-MC145028DW	MC145028DW	SO-16W	Decoder	9	19683	0	3.18	2.22	1.91
841-MC145027DW	MC145027DW	SO-16W	Decoder	5	243	4	2.63	1.84	1.58
841-MC145026D	MC145026D	SOIC 16	Encoder	Decoder Dependent	Decoder Dependent	Decoder Dependent	2.13	1.49	1.28

SINGLE PLL SYNTHESIZERS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Operating Frequency (Max) (MHz)	Operating Voltage (V)	Supply Current (Typ) (mA) @ (V)	Price Each 1	25	100
841-MC145170DT2	MC145170DT2	TSSOP-16	185 @ 4.5V	2.7 - 5.5	6 @ 5V	5.75	4.03	3.45
841-MC145170D2R2	MC145170D2R2	SOIC 16	185 @ 4.5V	2.7 - 5.5	6 @ 5V	5.75	4.03	3.45
841-MC145170D2	MC145170D2	SOIC 16	185 @ 4.5V	2.7 - 5.5	6 @ 5V	5.75	4.03	3.45
841-MC145152DW2	MC145152DW2	SO-28L	20 @ 5V	3.0 - 9.0	7.5 @ 5V	8.16	5.78	5.35
841-MC145151DW2	MC145151DW2	SO-28L	20 @ 5V	3.0 - 9.0	7.5 @ 5V	7.50	5.25	4.50

MOTOR DRIVERS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Configuration	Output Current (Max) (A)	Channels	Load Supply Volt. (Max) (V)	Devices Supply Volt. (Max) (V)	Operating Temp. (Min-Max) (°C)	Price Each 1	25	100
841-MPC17550EV	MPC17550EV	MFP 36	H-Bridge	2	4	0 to 5.5	5.5	-10 to 65	3.92	3.14	2.91
841-MPC17533EV	MPC17533EV	MFP 16	H-Bridge	1.4	2	0 to 6.8	6.8	-20 to 65	1.14	.91	.85
841-MPC17529EVEL	MPC17529EVEL	MFP 20	H-Bridge	1.4	2	0 to 11	5.5	-20 to 65	1.51	1.20	1.12
841-MPC17511AEPR2	MPC17511AEPR2	QFN 24	H-Bridge	1	1	0 to 6.8	6.8	-20 to 65	1.21	.97	.90
841-MC34923DW	MC34923DW	SOIC 24	H-Bridge	7	-	48	7	-40 to 125	7.20	5.04	4.32
841-MC34920EI	MC34920EI	PLCC 44	Quad H-Bridge	2	-	42	7	-20 to 70	11.23	7.86	6.74

PRESSURE SENSORS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Pressure Rating (Max) (psi)	Pressure Rating (Max) (kPa)	Pressure Rating H2O (Max)(in)	Pressure Rating H2O (Max)(cm)	Pressure Rating H2O (Max)(mm)	Level of Integration	Price Each 1	25	100
841-MPXH6115AC6U	MPXH6115AC6U	16.7	115	462	1150	863	Integrated	14.87	11.68	11.01
841-MPXAZ6115AC6T1	MPXAZ6115AC6T1	16.7	115	462	1150	863	Integrated	17.50	15.50	14.00
841-MPXAZ4115AC6U	MPXAZ4115AC6U	16.7	115	462	1150	863	Integrated	18.46	16.35	14.77
841-MPXAZ4115A6U	MPXAZ4115A6U	16.7	115	462	1150	863	Integrated	17.76	15.73	14.21
841-MPXAZ4100AC6U	MPXAZ4100AC6U	15.2	105	422	1000	788	Integrated	18.46	16.35	14.77
841-MPXAZ4100A6U	MPXAZ4100A6U	15.2	105	422	1000	788	Integrated	17.76	15.73	14.21

IC Switches

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Intersil Part No.	Package	Description	V Supply (V)	R_{on} Max (Ohm)	Price Each 1	25	100	250
837-ISL84514IH-T	ISL84514IH-T	SOT-23-5	SPST NO Low Voltage	2.4-12	---	1.77	1.31	.97	.81
837-ISL84515IH-T	ISL84515IH-T	SOT-23-5	SPST NC Low Voltage	2.4-12	---	1.77	1.31	.97	.81
837-ISL84516IH-T	ISL84516IH-T	SOT-23-5	SPST NO Low Voltage	1.5-6	20	1.77	1.31	.97	.81
837-ISL84517IH-T	ISL84517IH-T	SOT-23-5	SPST NC Low Voltage	1.5-6	20	1.77	1.31	.97	.81
837-ISL43111IH-T	ISL43111IH-T	SOT-23-5	SPST NC Low Voltage	2.4-12	20	1.84	1.35	.98	.74
837-ISL43110IH-T	ISL43110IH-T	SOT-23-5	SPST NO Low Voltage	2.4-13	20	1.84	1.35	.98	.74
837-ISL43111IB	ISL43111IB	SOIC-8	SPST NC Low Voltage	2.4-14	20	1.61	1.20	.89	.74
837-ISL43110IB	ISL43110IB	SOIC-8	SPST NO Low Voltage	2.4-15	20	1.61	1.20	.89	.74
837-HI3-5043-5	HI3-5043-5	DIP-16	Dual SPDT 50OHM	36	25	5.73	4.35	3.38	3.25
837-ISL84544IH-T	ISL84544IH-T	SOT-23-6	Dual SPDT NO/NC	2.7-12	30	1.71	1.27	.94	.78
837-ISL43112IH-T	ISL43112IH-T	SOT-23-5	SPST NO	1.5-6	15	1.67	1.25	.92	.77
837-HI3-0201-5	HI3-0201-5	DIP-16	Quad SPST NC	44	55	3.68	2.79	2.17	2.09
837-ISL43210IH-T	ISL43210IH-T	SOT-23-6	Dual SPDT NO	3.3 to 12	19	1.76	1.29	.94	.71
837-ISL43120IH-T	ISL43120IH-T	SOT-23-8	Dual SPST NO	5	---	1.76	1.29	.94	.71
837-ISL84714IH-T	ISL84714IH-T	SC70-6	SPDT NO/NC	1.65-3.6	0.75	1.61	1.18	.86	.65
837-ISL84715IH-T	ISL84715IH-T	SC70-6	SPST NO	1.65-3.6	0.45	1.61	1.18	.86	.65
837-ISL84716IH-T	ISL84716IH-T	SC70-6	SPST NC	1.65-3.6	0.45	1.61	1.18	.86	.65
837-DG441DY	DG441DY	SOIC-16	Quad SPST NC	5-34	85	1.95	1.45	1.07	.89
837-DG442DY	DG442DY	SOIC-16	Quad SPST NO	5-34	85	1.95	1.45	1.07	.89
837-DG444DY	DG444DY	SOIC-16	Quad SPST NC	5-20	85	1.86	1.38	1.02	.85
837-ISL43240IR	ISL43240IR	QFN-20	Quad SPDT NO	2-12	18	3.50	2.66	2.07	1.99
837-DG445DY	DG445DY	SOIC-16	Quad SPST NO	44	85	1.95	1.45	1.07	.89
837-ISL43410IR	ISL43410IR	QFN-16	Single DPDT NO	2-12	118	2.29	1.71	1.26	1.05
837-ISL43231IR	ISL43231IR	QFN-20	Tripple SPDT NO	2-12	25	2.95	2.19	1.62	1.35
837-ISL43113IB	ISL43113IB	SOIC-8	SPST NC	1.5-6	15	1.80	1.34	.99	.82
837-ISL43112IB	ISL43112IB	SOIC-8	SPST NO	1.5-6	15	1.80	1.34	.99	.82
837-ISL43140IB	ISL43140IB	SOIC-16	Quad SPST NC	2-12	50	1.71	1.27	.94	.78
837-ISL43143IR	ISL43143IR	QFN-16	Quad SPST NC	2-12	25	2.02	1.50	1.11	.92
837-ISL43144IR	ISL43144IR	QFN-16	Quad SPST NO	2-12	25	2.02	1.50	1.11	.92
837-HI1-5047-5	HI1-5047-5	DIP-16	4 PST Single NO	36	25	11.28	9.74	8.20	7.69
837-HI3-0201HS-5	HI3-0201HS-5	DIP-16	SPST Quad NC HS	36	30	6.60	5.70	4.80	4.50

Interface ICs

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Intersil Part No.	Package	Description	V Supply (V)	Data Rate	Powerdown Current	Price Each 1	25	100	250
837-ISL4485EIB	ISL4485EIB	SOIC-8	XMT/RCV RS-485/422	5	20Mbps	---	3.10	2.35	1.83	1.7
837-ISL4223EIR	ISL4223EIR	QFN-20	XMT/RCV RS232	2.7-5.5	250Kbps	150nA	5.53	4.19	3.26	3.1
837-ISL4221EIR	ISL4221EIR	QFN-16	XMT/RCV RS232	2.7-5.5	250Kbps	150nA	3.75	2.85	2.22	2.1
837-ISL83485IB	ISL83485IB	SOIC-8	XMT/RCV RS-485/422	3.3	10Mbps	15nA	2.85	2.16	1.68	1.6
837-ISL83491IB	ISL83491IB	SOIC-14	XMT/RCV RS-485/422	3.3	10Mbps	15nA	2.73	2.07	1.61	1.5
837-ISL83483IB	ISL83483IB	SOIC-8	XMT/RCV RS-485/422	3.3	10Mbps	15nA	3.18	2.41	1.88	1.8
837-ISL83488IB	ISL83488IB	SOIC-8	XMT/RCV RS-485/422	3.3	10Mbps	15nA	2.85	2.16	1.68	1.6
837-ISL83387EIV	ISL83387EIV	TSSOP-24	XMT/RCV RS-232	3-5.5	250Kbps	1uA	5.33	4.04	3.15	3.0
837-ICL3225EIA	ICL3225EIA	SSOP-20	XMT/RCV RS-232	3-5.5	1Mbps	1uA	5.00	3.80	2.95	2.8
837-ICL3227EIA	ICL3227EIA	SSOP-16	XMT/RCV RS-232	3-5.5	1Mbps	1uA	3.75	2.85	2.22	2.1
837-ICL3232ECBN	ICL3232ECBN	SOIC-16	XMT/RCV RS-232	3-5.5	250Kbps	1uA	2.85	2.16	1.68	1.6
837-ICL3225ECA	ICL3225ECA	SSOP-20	XMT/RCV RS-232	3-5.5	1Mbps	1uA	4.03	3.06	2.38	2.2
837-ICL3232CBN	ICL3232CBN	SOIC-16	XMT/RCV RS-232	3-5.5	250Kbps	1uA	2.68	2.03	1.58	1.5
837-ICL3226ECA	ICL3226ECA	SSOP-16	XMT/RCV RS-232	3-5.5	250Kbps	1uA	3.25	2.47	1.92	1.8
837-ICL3227ECA	ICL3227ECA	SSOP-16	XMT/RCV RS-232	3-5.5	1Mbps	1uA	3.25	2.47	1.92	1.8
837-ICL3222EIB	ICL3222EIB	SOIC-18	XMT/RCV RS-232	3-5.5	250Kbps	1uA	2.85	2.16	1.68	1.6
837-ICL3221EIA	ICL3221EIA	SSOP-16	XMT/RCV RS-232	3-5.5	250Kbps	1uA	2.58	1.95	1.52	1.4
837-ICL3232IBN	ICL3232IBN	SOIC-16	XMT/RCV RS-232	3-5.5	250Kbps	1uA	2.20	1.64	1.21	1.0
837-ICL3224EIA	ICL3224EIA	SSOP-20	XMT/RCV RS-232	3-5.5	250Kbps	1uA	3.98	3.02	2.35	2.2
837-ICL3243EIA	ICL3243EIA	SSOP-28	XMT/RCV RS-232	3-5.5	250Kbps	1uA	2.88	2.15	1.59	1.3
837-ICL3221ECA	ICL3221ECA	SSOP-16	XMT/RCV RS-232	3-5.5	250Kbps	1uA	2.45	1.82	1.35	1.1
837-ICL3232CP	ICL3232CP	DIP-16	XMT/RCV RS-232	3-5.5	250Kbps	1uA	2.68	2.03	1.58	1.5
837-ICL3243ECA	ICL3243ECA	SSOP-28	XMT/RCV RS-232	3-5.5	250Kbps	1uA	2.20	1.64	1.21	1.0
837-ISL8488IP	ISL8488IP	DIP-8	XMT/RCV RS-485/422	5	5Mbps	1nA	3.07	2.28	1.69	1.4
837-ISL8489IB	ISL8489IB	SOIC-14	XMT/RCV RS-485/422	5	5Mbps	1nA	3.07	2.28	1.69	1.4
837-ISL8483EIP	ISL8483EIP	DIP-8	XMT/RCV RS-485/422	5	5Mbps	1nA	3.10	2.35	1.83	1.7
837-ISL81487LIB	ISL81487LIB	SOIC-8	XMT/RCV RS-485/422	5	5Mbps	0.5uA	2.85	2.16	1.68	1.6
837-ISL81486IB	ISL81486IB	SOIC-8	XMT/RCV RS-485/422	5	30Mbps	---	2.85	2.16	1.68	1.6
837-ISL4489EIB	ISL4489EIB	SOIC-14	XMT/RCV RS-485/422	5	15Mbps	---	2.75	2.09	1.63	1.5
837-ISL8489IP	ISL8489IP	DIP-14	XMT/RCV RS-485/422	5	5Mbps	1nA	3.07	2.28	1.69	1.4
837-ISL8488IB	ISL8488IB	SOIC-8	XMT/RCV RS-485/422	5	5Mbps	1nA	3.07	2.28	1.69	1.4
837-ISL8485EIP	ISL8485EIP	DIP-8	XMT/RCV RS-485/422	5	5Mbps	1nA	2.85	2.16	1.68	1.6
837-ISL8485EIB	ISL8485EIB	SOIC-8	XMT/RCV RS-485/422	5	5Mbps	1nA	2.85	2.16	1.68	1.6
837-ISL81487LIP	ISL81487LIP	DIP-8	XMT/RCV RS-485/422	5	5Mbps	0.5uA	2.85	2.16	1.68	1.6
837-ISL81487EIP	ISL81487EIP	DIP-8	XMT/RCV RS-485/422	5	5Mbps	0.5uA	2.85	2.16	1.68	1.6
837-ISL81487EIB	ISL81487EIB	SOIC-8	XMT/RCV RS-485/422	5	5Mbps	0.5uA	2.85	2.16	1.68	1.6
837-ISL8487EIP	ISL8487EIP	DIP-8	XMT/RCV RS-485/422	5	5Mbps	0.5uA	2.85	2.16	1.68	1.6
837-ISL8487EIB	ISL8487EIB	SOIC-8	XMT/RCV RS-485/422	5	5Mbps	1nA	2.85	2.16	1.68	1.6
837-ISL8483EIB	ISL8483EIB	SOIC-8	XMT/RCV RS-485/422	5	5Mbps	1nA	3.10	2.35	1.83	1.7
837-ISL4491EIB	ISL4491EIB	SOIC-14	XMT/RCV RS-485/422	5	15Mbps	---	2.75	2.09	1.63	1.5
837-HIN202IBN	HIN202IBN	SOIC-16	XMT/RCV RS-232	5	120Kbps	1uA	1.74	1.29	.95	.8
837-HIN202CBN	HIN202CBN	SOIC-16	XMT/RCV RS-232	5	120Kbps	1uA	1.67	1.25	.92	.7
837-HIN202CP	HIN202CP	DIP-16	XMT/RCV RS-232	5	120Kbps	1uA	1.67	1.25	.92	.7
837-HIN206CB	HIN206CB	SOIC-24	XMT/RCV RS-232	5	120Kbps	1uA	2.98	2.26	1.76	1.6
837-HIN211ECA	HIN211ECA	SSOP-28	XMT/RCV RS-232	5	120Kbps	1uA	2.50	1.90	1.48	1.4
837-HIN202ECP	HIN202ECP	DIP-16	XMT/RCV RS-232	5	120Kbps	1uA	2.02	1.50	1.11	.9
837-HIN232ACBN	HIN232ACBN	SOIC-16	XMT/RCV RS-232 HS	5	230Kbps	---	1.67	1.25	.92	.7
837-HIN202ECBN	HIN202ECBN	SOIC-16	XMT/RCV RS-232	5	120Kbps	1uA	1.67	1.25	.92	.7
837-HIN211EIA	HIN211EIA	SSOP-28	XMT/RCV RS-232	5	120Kbps	1uA	2.58	1.95	1.52	1.4
837-HIN202EIBN	HIN202EIBN	SOIC-16	XMT/RCV RS-232	5	120Kbps	1uA	1.67	1.25	.92	.7
837-HIN208EIA	HIN208EIA	SSOP-24	XMT/RCV RS-232	5	120Kbps	1uA	3.23	2.45	1.91	1.8
837-HIN232ACP	HIN232ACP	DIP-16	XMT/RCV RS-232 HS	5	230Kbps	1uA	1.77	1.31	.97	.8
837-ICL3217EIB	ICL3217EIB	SOIC-24	XMT/RCV RS-232	3-5.5	250Kbps	1uA	7.43	6.41	5.40	5.0
837-ICL3217ECB	ICL3217ECB	SOIC-24	XMT/RCV RS-232	3-5.5	250Kbps	1uA	6.45	5.57	4.69	4.4
837-ISL4243EIR	ISL4243EIR	QFN-32	XMT/RCV RS232	2.7-5.5	250Kbps	10nA	6.58	5.68	4.78	4.4

/M Controllers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Intersil Part No.	Package	Description	V Supply (V)	Output Voltage (V)	Price Each 1	25	100	250
-ISL6845IB	ISL6845IB	SOIC-8	Single-Ended Current	14	-	2.64	1.96	1.45	1.21
-ISL6844IB	ISL6844IB	SOIC-8	Single-Ended Current	14	-	2.64	1.96	1.45	1.21
-ISL6843IB	ISL6843IB	SOIC-8	Single-Ended Current	14	-	2.64	1.96	1.45	1.21
-ISL6842IB	ISL6842IB	SOIC-8	Single-Ended Current	14	-	2.64	1.96	1.45	1.21
-ISL6841IB	ISL6841IB	SOIC-8	Single-Ended Current	14	-	2.91	2.17	1.60	1.34
-ISL6840IB	ISL6840IB	SOIC-8	Single-Ended Current	14	-	2.91	2.17	1.60	1.34
-ISL6744AB	ISL6744AB	SOIC-8	Intermediate Bus	14	-	3.00	2.28	1.77	1.70
-ISL6558CB	ISL6558CB	SOIC-16	Precision MultiPhase	5	5	5.00	3.80	2.95	2.84
-ISL6531CB	ISL6531CB	SOIC-24	Dual Sync Buck	5	5	5.94	4.51	3.51	3.37
-ISL6530CB-T	ISL6530CB-T	SOIC-24	Dual Sync Buck	5	5	5.25	3.99	3.10	2.98
-ISL6528CB-T	ISL6528CB-T	SOIC-8	Buck /Linear Power	5	3.3	4.99	3.79	2.95	2.83
-ISL6527CB	ISL6527CB	SOIC-14	Single Sync Buck	5	3.3	3.13	2.37	1.85	1.78
-ISL6526CB-T	ISL6526CB-T	SOIC-14	Single Sync Buck	5	5	3.00	2.28	1.77	1.70
-ISL6526AIR	ISL6526AIR	QFN-16	Single Sync Buck	5	5	3.38	2.56	1.99	1.92
-ISL6522CB	ISL6522CB	SOIC-14	Single Sync Buck	15	12	3.13	2.37	1.85	1.78
-ISL6520CB-T	ISL6520CB-T	SOIC-8	Single Sync Buck	5	5	2.50	1.90	1.48	1.42
-ISL6520ACB-T	ISL6520ACB-T	SOIC-8	Single Sync Buck	5	5	2.50	1.90	1.48	1.42
-ISL6444CA	ISL6444CA	SSOP-28	Dual /DDR Mem Option	5	5.5	5.94	4.51	3.51	3.37
-ISL6439CB	ISL6439CB	SOIC-14	Single Sync Buck	5	5	3.35	2.54	1.98	1.90
-ISL6431CB	ISL6431CB	SOIC-8	Adv PWM Controller	5	-	3.09	2.30	1.70	1.42
-ISL6410IU	ISL6410IU	MSOP-10	Single Sync Buck Reg	5	5	2.88	2.18	1.70	1.63
-ISL6410AIU	ISL6410AIU	MSOP-10	Single Sync Buck Reg	5	5	2.63	1.99	1.55	1.49
-ISL6401CB	ISL6401CB	SOIC-14	Single Sync Buck Reg	5	-	2.36	1.75	1.29	1.08
-ISL6224CA	ISL6224CA	SSOP-16	Single O/P Mobile	24	5.5	4.15	3.15	2.45	2.36
-HIP6302CB-T	HIP6302CB-T	SOIC-16	Volt Reg Buck	5	1.85	4.63	3.51	2.73	2.63
-HIP6301CB-T	HIP6301CB-T	SOIC-20	Volt Reg Buck	5	1.85	5.13	3.99	3.03	2.91
-HIP6006CB-T	HIP6006CB-T	SOIC-14	Buck Sync	12	1.27	3.00	2.59	2.18	2.05
-ISL6521CB	ISL6521CB	SOIC-16	Buck DC-DC	5	4.5	7.01	6.05	5.10	4.78
-ISL6539IAZ	ISL6539IAZ	SSOP-28	Dual PWM Controller	5	5.5	6.73	5.81	4.90	4.59
-ISL6563IR	ISL6563IR	QFN-24	Multi Phase Buck	12	1.85	6.53	5.64	4.75	4.45
-ISL6539IA	ISL6539IA	SSOP-28	Dual PWM Controller	5	5.5	6.41	5.54	4.66	4.37
-ISL6551IB	ISL6551IB	SOIC-28	Full Bridge PWM	12	-	8.45	7.30	6.15	5.76
-ISL6402IR	ISL6402IR	QFN-28	Step Down PWM 3Phase	24	-	7.00	6.05	5.09	4.77
-HIP6013CB	HIP6013CB	SOIC-14	Buck PWM	12	5	2.88	2.18	1.70	1.63

Drivers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Intersil Part No.	Package	Description	V Supply (V)	Output Voltage (V)	Vbsmax (VDC)	Price Each 1	25	100	250
-ISL6801AB	ISL6801AB	SOIC-8	Hi-Side Hi Volt	5	-	120	4.20	3.19	2.48	2.39
-HIP4081AIP	HIP4081AIP	DIP-20	Full-Bridge	15	12.6	-	6.00	4.55	3.55	3.41
-HIP4080AIB	HIP4080AIB	SOIC-20	Full-Bridge	15	12.6	-	5.50	4.18	3.25	3.13
-ISL6612IB	ISL6612IB	SOIC-8	Mosfet Sync Buck	12	12	-	3.99	3.03	2.36	2.27
-HIP4080AIP	HIP4080AIP	DIP-20	Full-Bridge	15	12.6	-	5.55	4.22	3.28	3.15
-HIP4081AIB	HIP4081AIB	SOIC-20	Full-Bridge	15	12.6	-	5.50	4.18	3.25	3.13
-HIP2101IB	HIP2101IB	SOIC-8	Half-Bridge	14	-	114	3.43	2.60	2.02	1.95
-HIP2100IB	HIP2100IB	SOIC-8	Half-Bridge	14	0.25	114	3.25	2.47	1.92	1.85
-HIP2100IR	HIP2100IR	QFN-16	Half-Bridge	14	0.25	114	3.50	2.66	2.07	1.99
-ISL6605IB	ISL6605IB	SOIC-8	Mosfet Dual Sync	5	-	22	2.95	2.19	1.62	1.35
-ISL6700IB	ISL6700IB	SOIC-8	Half Bridge Dual	15	-	96	2.79	2.08	1.53	1.28
-HIP4082IP	HIP4082IP	DIP-16	Full-Bridge	15	-	95	4.25	3.23	2.51	2.41
-HIP4082IB	HIP4082IB	SOIC-16	Full-Bridge	15	-	95	4.13	3.13	2.44	2.34
-ISL6700IR	ISL6700IR	QFN-12	Half Bridge Dual	15	-	96	2.79	2.08	1.53	1.28
-HIP6601BCB	HIP6601BCB	SOIC-8	Mosfet Dual	15	-	-	3.25	2.47	1.92	1.85
-HIP4086AB	HIP4086AB	SOIC-24	3-Phase FET	15	-	95	7.50	6.48	5.45	5.11
-ISL6608IB	ISL6608IB	SOIC-8	Mosfet Dual Sync	5	-	22	1.55	1.15	.85	.71

log Multiplexers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Intersil Part No.	Package	Description	V Supply (V)	Ron Max. (Ohm)	Turn-On Time (ns) Max	Price Each 1	25	100	250
-HI3-0509-5	HI3-0509-5	DIP-16	CMOS Analog Multplx	44	180	250	6.05	4.59	3.58	3.44
-HI3-0508-5	HI3-0508-5	DIP-16	CMOS Analog Multplx	44	180	250	4.35	3.30	2.57	2.47
-ISL43640IR	ISL43640IR	QFN-16	LV Analog Multplx	12	120	60	2.29	1.71	1.26	1.05
-ISL43681IR	ISL43681IR	QFN-20	LV Analog Multplx	12	50	38	2.95	2.19	1.62	1.35
-ISL43741IR	ISL43741IR	QFN-20	LV Analog Multplx	12	50	38	2.95	2.19	1.62	1.35
-DG409DY	DG409DY	SOIC-16	CMOS Analog Multplx	34	100	150	2.29	1.71	1.26	1.05
-DG408DY	DG408DY	SOIC-16	CMOS Analog Multplx	34	100	150	2.14	1.59	1.18	.98
-DG407DY	DG407DY	SOIC-28	CMOS Analog Multplx	44	100	200	6.63	5.72	4.82	4.52
-DG406DY	DG406DY	SOIC-28	CMOS Analog Multplx	44	100	200	7.40	6.39	5.38	5.05
-HI3-0506-5	HI3-0506-5	DIP-28	CMOS Analog Multplx	44	180	250	9.65	8.33	7.02	6.58

ers and Drivers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Intersil Part No.	Package	Description	V Supply (V)	Output Max.	Price Each 1	25	100	250
-EL5176IY	EL5176IY	MSOP-10	Driver Diff 250Mhz	12	40mA	1.80	1.55	1.31	1.23
-EL5172IY	EL5172IY	MSOP-8	Line Rcvr 250Mhz Sgl	12	60mA	1.80	1.55	1.31	1.23
-EL5172IS	EL5172IS	SOIC-8	Line Rcvr 250Mhz Sgl	12	60mA	1.80	1.55	1.31	1.23
-EL5170IY	EL5170IY	MSOP-8	Driver Diff 100Mhz	12.6	50mA	1.80	1.55	1.31	1.23
-EL5170IS	EL5170IS	SOIC-8	Driver Diff 100Mhz	12.6	50mA	1.80	1.55	1.31	1.23
-EL5171IS	EL5171IS	SOIC-8	Driver Diff 250Mhz	12	90mA	2.33	2.01	1.69	1.59
-EL5175IY	EL5175IY	MSOP-8	Line Rcvr 550Mhz Sgl	12	60mA	3.93	3.39	2.85	2.68
-EL5175IS	EL5175IS	SOIC-8	Line Rcvr 550Mhz Sgl	12	60mA	3.93	3.39	2.85	2.68
-EL5174IS	EL5174IS	SOIC-8	Driver Diff 550Mhz	12	60mA	3.93	3.39	2.85	2.68
-EL5173IY	EL5173IY	MSOP-8	Driver Diff 450Mhz	12.6	40mA	4.18	3.61	3.04	2.85
-EL5173IS	EL5173IS	SOIC-8	Driver Diff 450Mhz	12.6	40mA	4.18	3.61	3.04	2.85
-EL5177IY	EL5177IY	MSOP-10	Drvr Diff 550Mhz	12	40mA	2.75	2.38	2.00	1.88
-EL5375IU	EL5375IU	QSOP-24	Rec Diff 550Mhz	12	60mA	7.75	6.69	5.64	5.28
-EL5374IU	EL5374IU	QSOP-24	Rec Diff 550Mhz	12	60mA	7.75	6.69	5.64	5.28
-EL5373IU	EL5373IU	QSOP-24	Rec Diff 450Mhz	12.6	40mA	7.75	6.69	5.64	5.28
-EL5372IU	EL5372IU	QSOP-24	Rec Diff 250Mhz	12	60mA	6.30	5.44	4.58	4.30
-EL5371IU	EL5371IU	QSOP-24	Rec Diff 250Mhz	12	90mA	6.30	5.44	4.58	4.30

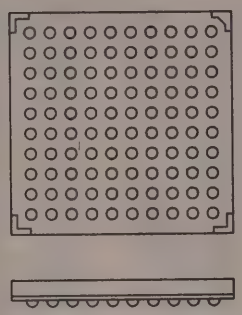
o ICs

For quantities of 500 and up, call for quote.

EL1881CS	EL1881CS	SOIC-8	Video Sync Separator	5	1.5mA	1.80	1.52	1.44	1.26
EL1881CN	EL1881CN	DIP-8	Video Sync Separator	5	1.5mA	1.80	1.62	1.44	1.26
EL1883IS	EL1883IS	SOIC-8	Video Sync Separator	5	1.5mA	2.76	2.46	2.20	1.93
EL4581CS	EL4581CS	SOIC-8	Video Sync Separator	5	1.5mA	2.98	2.66	2.38	2.10
EL4581CN	EL4581CN	DIP-8	Video Sync Separator	5	1.5mA	5.56	5.00	4.49	3.90
EL4583CN	EL4583CN	DIP-16	Video Sync Separator	5	-	8.98	8.10	7.19	6.29
EL4583CS	EL4583CS	SOIC-16	Video Sync Separator	5	-	9.54	8.59	7.63	6.68
EL4511CU	EL4511CU	QSOP-24	Video Sync Separator	5	-	8.96	8.06	7.20	6.27

LATTICE Analog IC's

Lattice Semiconductor Corporation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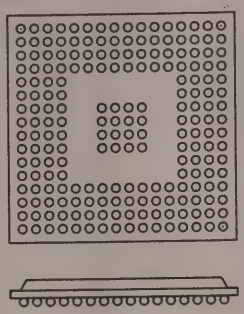
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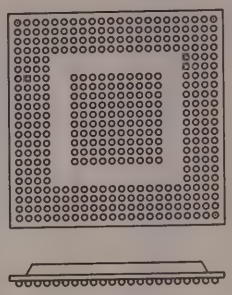
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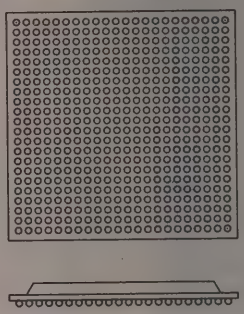
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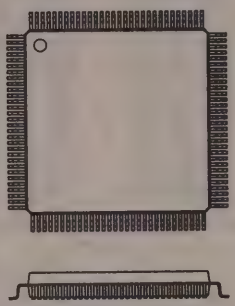
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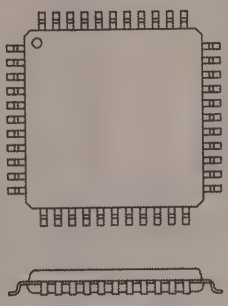
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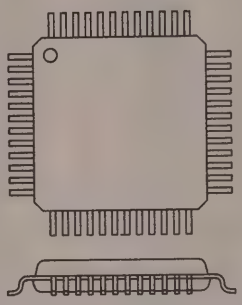
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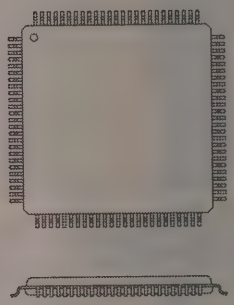
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DIGITAL INTERCONNECT

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Tpd (ns)	I/O	Macro Cells	Price Each			
							1	25	100	500
842-LX64V5F100C	LX64V-5F100C	fpBGA-100	3.3	5	64	64	25.54	22.70	19.86	17.5
842-LX128V5F208C	LX128V-5F208C	fpBGA-208	3.3	7	128	128	51.08	45.40	39.73	35.1
842-LX256V5F484C	LX256V-5F484C	fpBGA-484	3.3	5	256	256	101.81	90.50	79.19	70.1
842-ISPGDX80VA3T100	ISPGDX80VA-3T100	TQFP-100	3.3	3.5	80	80	30.26	26.90	23.54	20.8
842-ISPGDX80VA7T100	ISPGDX80VA-7T100	TQFP-100	3.3	7	80	80	14.06	12.50	10.94	9.6
842-ISPGDX160VA3B208	ISPGDX160VA-3B208	fpBGA-208	3.3	3.5	160	160	50.29	44.70	39.11	34.6
842-ISPGDX160VA5Q208	ISPGDX160VA-5Q208	PQFP-208	3.3	5	160	160	36.23	32.20	28.18	24.9
842-ISPGDX160VA5B208	ISPGDX160VA-5B208	fpBGA-208	3.3	5	160	160	40.28	35.80	31.33	27.7
842-ISPGDX160VA7Q208	ISPGDX160VA-7Q208	PQFP-208	3.3	7	160	160	26.21	23.30	20.39	18.0
842-ISPGDX160VA7B208	ISPGDX160VA-7B208	fpBGA-208	3.3	7	160	160	30.26	26.90	23.54	20.8
842-ISPGDX240VA4B388	ISPGDX240VA-4B388	fpBGA-388	3.3	4.5	240	240	75.49	67.10	58.71	52.0
842-ISPGDX240VA7B388	ISPGDX240VA-7B388	fpBGA-388	3.3	7	240	240	45.34	40.30	35.26	31.2

ANALOG POWER MANAGER

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Analog Inputs	Macro Cells	Outputs	FET Drivers	Price Each			
								1	25	100	500
842-ISPPACPR1208P11T	ISPPAC-POWR1208P1-01T44I	TQFP-44	5	12	16	8	4	26.33	23.40	20.48	18.1
842-ISPPACPR12081T	ISPPAC-POWR1208-01T44I	TQFP-44	5	12	16	8	4	21.94	19.50	17.06	15.1
842-ISPPACPR6041T	ISPPAC-POWR604-01T44I	TQFP-44	5	6	8	4	0	16.43	14.60	12.78	11.3

ISP CLOCK

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Inputs		Clock Outputs	Frequency (MHz)	Output Skew (ps)	Price Each			
				Reference	Feedback				1	25	100	500
842-ISPPCCK5610VT48	ISPPAC-CLK5610V-01T48C	TQFP-48	3.3	2	1	10	10-320	<50	20.59	18.30	16.01	14.7
842-ISPPCCK5620VT100	ISPPAC-CLK5620V-01T100C	TQFP-100	3.3	2	2	20	10-320	<50	34.88	31.00	27.13	24.0

ANALOG DESIGN SYSTEMS AND EVALUATION BOARDS

MOUSER STOCK NO.	Lattice Part No.	Description	Price E
842-SYSTEMPOWR1208	PAC-SYSTEMPOWR1208	ispPAC Power Manager 1208 Design System	149.
842-POWR1208-EV	PACPOWR1208-EV	ispPAC Power Manager 1208 Evaluation Board	99.
842-SYSTEMPOWR1208P1	PAC-SYSTEMPOWR1208P1	ispPAC Power Manager 1208P1 Design System	149.
842-POWR1208P1-EV	PACPOWR1208P1-EV	ispPAC Power Manager 1208P1 Evaluation Board	99.
842-SYSTEMCLK5520	PAC-SYSTEMCLK5520	ispCLK5520 Design System	295.
842-CLK5520-EV	PACCLK5520-EV	ispCLK5520 Evaluation Board	225.
842-SYSTEMCLK5620	PAC-SYSTEMCLK5620	ispCLK5620 Design System	295.
842-CLK5620-EV	PACCLK5620-EV	ispCLK5520 Evaluation Board	225.

CROCHIP CONVERTERS

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each			
				1	10	50	100
79-TC1321EOA	TC1321EOA	SOIC-8	10 bit System D/A with Two-Wire Interface	1.71	1.67	1.64	1.54
79-MCP3208CIP	MCP3208-CI/P	PDIP-16	12 bit SAR ADC, SPI, 8-channel	3.29	3.13	3.01	2.63
79-MCP3208CISL	MCP3208-CI/SL	SOIC-16	12 bit SAR ADC, SPI, 8-channel	3.29	3.13	3.01	2.63
79-MCP3202BISN	MCP3202-BI/SN	SOIC-8	12 bit SAR ADC, SPI, dual channel	2.73	2.60	2.49	2.18
79-MCP3201-CI/P	MCP3201-CI/P	PDIP-8	12 bit SAR ADC, SPI, single channel	2.16	2.06	1.98	1.73
79-TC7109CPL	TC7109CPL	PDIP-40	13 bit Fast Recovery Dual Slope A/D	4.34	4.24	4.17	3.93
79-TC500ACOE	TC500ACOE	SOIC-16	16 bit Analog Processor Dual Slope A/D	3.57	3.49	3.43	3.23
79-TC500ACPE	TC500ACPE	PDIP-16	16 bit Analog Processor Dual Slope A/D	3.15	3.08	3.02	2.85
79-TC500CPE	TC500CPE	PDIP-16	16 bit Analog Processor Dual Slope A/D	2.31	2.26	2.22	2.09
79-TC850CPL	TC850CPL	PDIP-40	16 bit Hi Speed A/D	15.79	15.42	15.14	14.29
79-TC14433COG	TC14433COG	SOIC-24	3-1/2 Digit A/D, BCD	3.78	3.69	3.63	3.42
79-TC820CPL	TC820CPL	PDIP-40	3-3/4 Digit Display A/D	6.65	6.49	6.37	6.01
79-TC7660COA	TC7660COA	SOIC-8	Charge Pump DC/DC	.95	.93	.92	.86
79-TC7660CPA	TC7660CPA	PDIP-8	Charge Pump DC/DC	.95	.93	.92	.86
79-TC7660EOA	TC7660EOA	SOIC-8	Charge Pump DC/DC	1.05	1.03	1.01	.95
79-TC1044SCOA	TC1044SCOA	SOIC-8	High Volt Charge Pump DC/DC	1.50	1.47	1.44	1.36
79-TC7662ACPA	TC7662ACPA	PDIP-8	High Volt Charge Pump DC/DC	1.58	1.55	1.52	1.43
79-TC7662BCOA	TC7662BCOA	SOIC-8	High Volt Charge Pump DC/DC	1.13	1.11	1.09	1.03

CROCHIP DIGITAL POTENTIOMETERS

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each			
				1	10	50	100
79-MCP42010-I/P	MCP42010-I/P	PDIP-14	256 steps, SPI, 10kohms, dual channel	1.91	1.82	1.74	1.52
79-MCP41010-I/P	MCP41010-I/P	PDIP-8	256 steps, SPI, 10kohms, single channel	1.27	1.21	1.16	1.01
79-MCP41010-I/SN	MCP41010-I/SN	SOIC-8	256 steps, SPI, 10kohms, single channel	1.27	1.21	1.16	1.01
79-MCP42050-I/P	MCP42050-I/P	PDIP-14	256 steps, SPI, 50kohms, dual channel	1.91	1.82	1.74	1.52
79-MCP42100-I/P	MCP42100-I/P	PDIP-14	256 steps, SPI, 100kohms, dual channel	1.91	1.82	1.74	1.52
79-MCP41100-I/P	MCP41100-I/P	PDIP-8	256 steps, SPI, 100kohms, single channel	1.27	1.21	1.16	1.01

CROCHIP CONTROLLER AREA NETWORK (CAN) PRODUCTS

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each			
				1	10	50	100
79-MCP2551-I/P	MCP2551-I/P	PDIP-8	High Speed CAN Transceiver	.86	.86	.85	.83
79-MCP2551-I/SN	MCP2551-I/SN	SOIC-8	High Speed CAN Transceiver	.86	.86	.85	.83
79-MCP25055-I/P	MCP25055-I/P	PDIP-14	Mixed signal CAN I/O Exp, one wire capable	3.15	3.12	3.09	3.00
79-MCP2510ISO	MCP2510-I/SO	SOIC-18	Stand-alone CAN Controller, I temp	2.42	2.40	2.39	2.34
79-MCP2515-I/P	MCP2515-I/P	PDIP-18	CAN controller with SPI interface	1.83	1.81	1.79	1.72
79-MCP2515-I/SO	MCP2515-I/SO	SOIC-18	CAN controller with SPI interface	1.83	1.81	1.79	1.72
79-MCP2515-I/ST	MCP2515-I/ST	TSSOP-20	CAN controller with SPI interface	2.02	1.99	1.97	1.90
79-MCP6S28-I/P	MCP6S28-I/P	PDIP-16	8-Chan. 12 MHz SPI PGA	2.42	2.37	2.32	2.19

CROCHIP INFRARED PRODUCTS

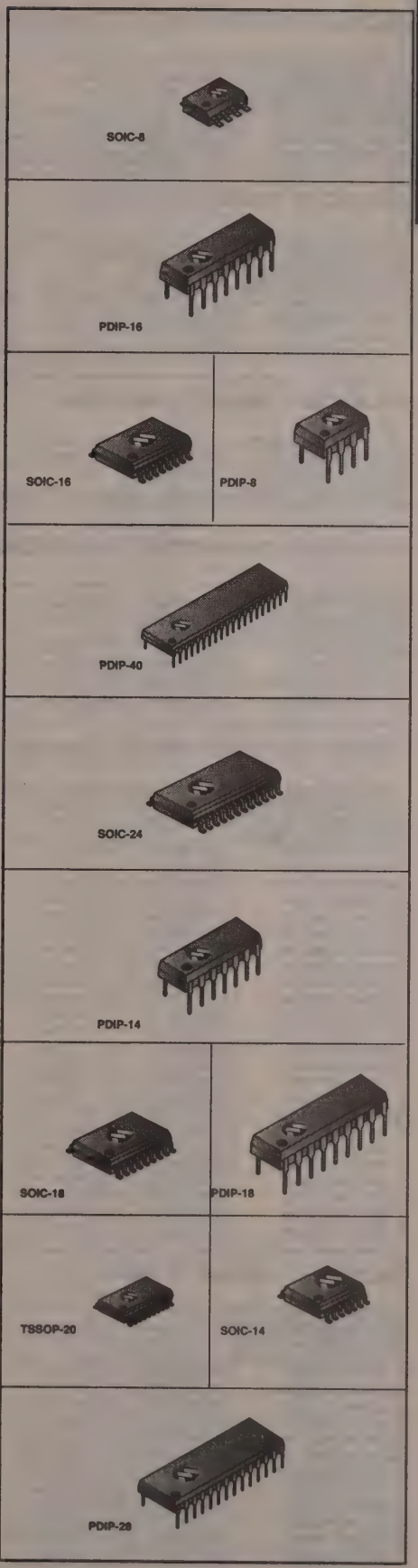
MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each			
				1	10	50	100
9-MCP2140-I/P	MCP2140-I/P	PDIP-18	9600 baud fixed speed IrDA protocol handler and bit encoder/decoder	1.67	1.65	1.63	1.56
79-MCP2155-I/P	MCP2155-I/P	PDIP-18	IrDA® protocol handler plus endec for DCE Apps	5.09	5.03	4.99	4.85
79-MCP2120IP	MCP2120-I/P	PDIP-14	Infrared encoder/decoder	1.36	1.35	1.35	1.32
9-MCP2120ISL	MCP2120-I/SL	SOIC-14	Infrared encoder/decoder	1.36	1.35	1.35	1.32
9-MCP2150-I/P	MCP2150-I/P	PDIP-18	IrDA® protocol handler plus endec for DTE Apps	5.09	5.03	4.99	4.85

CROCHIP SERIAL PERIPHERALS

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each			
				1	10	50	100
9-MCP23016-I/SP	MCP23016-I/SP	PDIP-28	16-bit Input/Output Port Expander	1.90	1.89	1.88	1.84

CROCHIP BATTERY CELL FUEL GAUGE MODULES

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each			
			1	10	50	100
9-PS4160-3	PS4160-3	3-cell LiIon Fuel Gauge Module	27.00	27.00	27.00	27.00
9-PS4160EV-3	PS4160EV-3	3-cell LiIon Fuel Gauge w/ PS041 PowerInfo	177.00	177.00	177.00	177.00
9-PS4160-4	PS4160-4	4-cell LiIon Fuel Gauge Module	27.00	27.00	27.00	27.00
9-PS4160EV-4	PS4160EV-4	4-cell LiIon Fuel Gauge w/ PS041 PowerInfo	177.00	177.00	177.00	177.00
9-PS4200	PS4200	6-12 cell NiMH Module	19.00	19.00	19.00	19.00
9-PS4200EV	PS4200EV	6-12 cell NiMH Module w/PS041 PowerInfo	169.00	169.00	169.00	169.00
9-PS7051	PS7051	One Cell Lithium Battery Monitor with Protection	38.00	38.00	38.00	38.00
9-PS7052	PS7052	Two Cell Lithium Battery Monitor with Protection	38.00	38.00	38.00	38.00



MICROCHIP Analog Interface

MICROCHIP SERIAL OUTPUT TEMPERATURE SENSORS

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each 1	10	50	100
◆ 579-TCN753.3MUA	TCN75-3.3MUA	MSOP-8	2-Wire Serial Temp Sensor/Thermal Monitor	1.00	.99	.98	.95
◆ 579-TCN755.0MOA	TCN75-5.0MOA	SOIC-8	2-Wire Serial Temp Sensor/Thermal Monitor	.96	.95	.95	.92
◆ 579-TCN755.0MUA	TCN75-5.0MUA	MSOP-8	2-Wire Serial Temp Sensor/Thermal Monitor	1.00	.99	.98	.95

MICROCHIP VOLTAGE REFERENCES

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each 1	10	50	100
579-MCP1525I/TO	MCP1525-I/TO	TO-92-3	2.5V Precision Voltage Reference	.55	.53	.51	.44
◆ 579-MCP1525TI/TT	MCP1525T-I/TT	SOT-23-3	2.5V Precision Voltage Reference	.55	.53	.51	.44
579-MCP1541I/TO	MCP1541-I/TO	TO-92-3	4.096V Precision Voltage Reference	.55	.53	.51	.44
◆ 579-MCP1541TI/TT	MCP1541T-I/TT	SOT-23-3	4.096V Precision Voltage Reference	.55	.53	.51	.44

MICROCHIP LINEAR REGULATORS

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each 1	10	50	100
◆ 579-TC10153.0VCT	TC1015-3.0VCT713	SOT-23A-5	100mA LDO with Shutdown & V REF Bypass	.53	.52	.51	.48

MICROCHIP CPU/SYSTEM SUPERVISORS

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each 1	10	50	100
◆ 579-TC1232COA	TC1232COA	SOIC-8	Microprocessor Monitor	1.36	1.33	1.31	1.23
579-TC1232CPA	TC1232CPA	PDIP-8	Microprocessor Monitor	1.31	1.28	1.26	1.19
579-MCP130-450DI/TO	MCP130-450DI/TO	TO-92-3	Supervisor w/5K Pull-Up Active Low	.38	.38	.37	.35
579-MCP130475DITO	MCP130-475DI/TO	TO-92-3	Supervisor w/5K Pull-Up Active Low	.38	.38	.37	.35

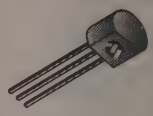
MICROCHIP POWER MOSFET DRIVERS

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each 1	10	50	100
◆ 579-TC1426COA	TC1426COA	SOIC-8	1.2A Dual	1.01	.99	.97	.91
579-TC1426CPA	TC1426CPA	PDIP-8	1.2A Dual	1.01	.99	.97	.91
◆ 579-TC1427COA	TC1427COA	SOIC-8	1.2A Dual	1.01	.99	.97	.91
579-TC1427CPA	TC1427CPA	PDIP-8	1.2A Dual	1.01	.99	.97	.91
579-TC4469CPD	TC4469CPD	PDIP-14	1.2A Quad LOGIC I/P	2.52	2.46	2.42	2.28
◆ 579-TC4426COA	TC4426COA	SOIC-8	1.5A Dual	.95	.93	.92	.86
579-TC4426CPA	TC4426CPA	PDIP-8	1.5A Dual	.95	.93	.92	.86
◆ 579-TC4426EOA	TC4426EOA	SOIC-8	1.5A Dual	.99	.97	.95	.89
◆ 579-TC4427COA	TC4427COA	SOIC-8	1.5A Dual	.95	.93	.92	.86
579-TC4427CPA	TC4427CPA	PDIP-8	1.5A Dual	.95	.93	.92	.86
◆ 579-TC4427EOA	TC4427EOA	SOIC-8	1.5A Dual	.99	.97	.95	.89
◆ 579-TC4428EOA	TC4428EOA	SOIC-8	1.5A Dual	.99	.97	.95	.89
579-TC426CPA	TC426CPA	PDIP-8	1.5A Dual High Speed	1.03	1.01	.99	.93
◆ 579-TC426EOA	TC426EOA	SOIC-8	1.5A Dual High Speed	1.07	1.05	1.03	.97
579-TC427CPA	TC427CPA	PDIP-8	1.5A Dual High Speed	1.03	1.01	.99	.93
579-TC427MJA	TC427MJA	CDIP-8	1.5A Dual High Speed	6.51	6.36	6.24	5.89
◆ 579-TC4428ACOA	TC4428ACOA	SOIC-8	1.5A Dual td Match	.99	.97	.95	.89
579-TC4424CPA	TC4424CPA	PDIP-8	3A Dual	1.66	1.62	1.59	1.50
579-TC4424EPA	TC4424EPA	PDIP-8	3A Dual	1.74	1.70	1.67	1.58
579-TC4424MJA	TC4424MJA	CDIP-8	3A Dual	12.39	12.10	11.88	11.21
579-TC4420CPA	TC4420CPA	PDIP-8	6A Single	1.01	.99	.97	.91
◆ 579-TC4420EOA	TC4420EOA	SOIC-8	6A Single	1.05	1.03	1.01	.95
579-TC4422CPA	TC4422CPA	PDIP-8	9A Single	1.76	1.72	1.69	1.60
579-TC4422EPA	TC4422EPA	PDIP-8	9A Single	1.87	1.83	1.80	1.69

MICROCHIP LINEAR OP AMPS

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each 1	10	50	100
579-MCP6042IP	MCP6042-I/P	PDIP-8	1.6V 10kHz Dual	.69	.68	.67	.63
◆ 579-MCP6042ISN	MCP6042-I/SN	SOIC-8	1.6V 10kHz Dual	.69	.68	.67	.63
579-MCP6044IP	MCP6044-I/P	PDIP-14	1.6V 10kHz Quad	1.22	1.19	1.17	1.10
◆ 579-MCP6044ISL	MCP6044-I/SL	SOIC-14	1.6V 10kHz Quad	1.22	1.19	1.17	1.10
579-MCP6041IP	MCP6041-I/P	PDIP-8	1.6V 10kHz Single	.53	.52	.51	.48
◆ 579-MCP6041ISN	MCP6041-I/SN	SOIC-8	1.6V 10kHz Single	.53	.52	.51	.48
579-MCP6002-I/P	MCP6002-I/P	PDIP-8	1.8V 1MHz Dual	.32	.32	.31	.29
579-MCP6022IP	MCP6022-I/P	PDIP-8	2.3V 10MHz Dual	1.13	1.11	1.09	1.03
579-MCP602IP	MCP602-I/P	PDIP-8	2.7V Dual	.55	.54	.53	.49
◆ 579-MCP602ISN	MCP602-I/SN	SOIC-8	2.7V Dual	.55	.54	.53	.49
579-MCP604IP	MCP604-I/P	PDIP-14	2.7V Quad	1.01	.99	.97	.91
579-MCP601IP	MCP601-I/P	PDIP-8	2.7V Single	.42	.41	.41	.38

SOIC-8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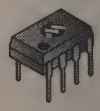
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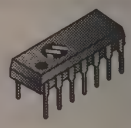
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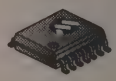

SOIC-14

NJR Communication, Interface, Driver ICs, & Video ICs

JRC NJR CORPORATION

OMMUNICATIONS/INTERFACE: WITCHES/MULTIPLEXERS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Package	Description	Price Each 1	25	100
513—	NJM2533D	DIP-8	2-Input 1-Output Video Switch	.19	.19	.17
513—	NJM2533M	DMP-8	2-Input 1-Output Video Switch	.18	.18	.16
513—	NJM2283D	DIP-16	2-Input 3 Channel Video Switch	.78	.76	.67
513—	NJM2283M	DMP-16	2-Input 3 Channel Video Switch	.50	.49	.43
513—	NJM2284V-TE1	SSOP-16	2-Input 3 Channel Video Switch	.59	.57	.50
513—	NJM2285V-TE1	SSOP-16	2-Input 3 Channel Video Switch	.61	.59	.52
513—	NJM2286D	DIP-16	2-Input 3 Channel Video Switch	.61	.59	.52
513—	NJM2286V-TE1	SSOP-16	2-Input 3 Channel Video Switch	.47	.46	.40
513—	NJM2233BD	DIP-8	2-Input Single Video Switch	.22	.21	.19
513—	NJM2534D	DIP-8	3-Input 1-Output Video Switch	.23	.22	.20
513—	NJM2534M	DMP-8	3-Input 1-Output Video Switch	.22	.22	.19
513—	NJM2535D	DIP-8	3-Input 1-Output Video Switch	.26	.26	.23
513—	NJM2535M	DMP-8	3-Input 1-Output Video Switch	.22	.21	.19
513—	NJM2279D	DIP-14	3-In 2-Out Video Switch for AV-Set	1.28	1.14	1.07
513—	NJM2234D	DIP-8	3-Input Video Switch	.24	.23	.21
513—	NJM2234M	DMP-8	3-Input Video Switch	.19	.19	.16
513—	NJM2249D	DIP-8	3-Input Video Switch	.23	.22	.20
513—	NJM2249M	DMP-8	3-Input Video Switch	.54	.53	.47
513—	NJM2506M	DMP-16	3-Input/2-Input Video Switch	.54	.53	.47
513—	NJM2508M	DMP-16	3-Input/2-Input Video Switch	1.06	.96	.91
513—	NJM2513M	DMP-16	3-Input/2-Input Video Switch	.43	.42	.37
513—	NJM2296D	DIP-16	5-Input 3-Output Video Switch	1.12	1.10	.97
513—	NJM2296M	DMP-16	5-Input 3-Output Video Switch	1.02	.99	.87
513—	NJM2596M	DMP-24	5-In 3-Out Video Switch for S3	1.72	1.68	1.48
513—	NJU7311AM	DMP-30	Analog Function Switch	1.17	1.14	1.01
513—	NJU7312AL	SDIP-28	Analog Function Switch	1.42	1.38	1.22
513—	NJU7312AM	DMP-30	Analog Function Switch	1.21	1.18	1.04
513—	NJU7313AM	DMP-30	Analog Function Switch	1.59	1.55	1.37
513—	NJU4066BD	DIP-14	CMOS Quad Analog Switch	.37	.34	.31
513—	NJU4066BM	DMP-14	CMOS Quad Analog Switch	.43	.39	.35
513—	NJU201AD	DIP-16	CMOS Quad SPST Analog Switch	.98	.89	.81
513—	NJU201AM	DMP-16	CMOS Quad SPST Analog Switch	1.05	.95	.86
513—	NJU211D	DIP-16	CMOS Quad SPST Analog Switch	.87	.79	.72
513—	NJU211M	DMP-16	CMOS Quad SPST Analog Switch	.89	.81	.74
513—	NJU7301D	DIP-16	CMOS Quad SPST Analog Switch	1.25	1.14	1.14
513—	NJU7301M	DMP-16	CMOS Quad SPST Analog Switch	.94	.85	.77
513—	NJG1528KC1-TE3	FLP-10-C1	DPDT Switch GaAs MMIC	1.79	1.75	1.54
513—	NJU4052BD	DIP-16	Dual 4-Channel Multiplexer	.46	.42	.38
513—	NJU4052BM	DMP-16	Dual 4-Channel Multiplexer	.51	.46	.42
513—	NJU4051BD	DIP-16	Single 8-Channel Multiplexer	.46	.42	.38
513—	NJU4051BM	DMP-16	Single 8-Channel Multiplexer	.51	.42	.42
513—	NJG1505R-TE1	VSP-8	SPDT Switch GaAs MMIC	.97	.95	.84
513—	NJG1506R-TE2	VSP-8	SPDT Switch GaAs MMIC	.76	.74	.66
513—	NJG1507R-TE1	VSP-8	SPDT Switch GaAs MMIC	.60	.58	.52
513—	NJG1512V-TE1	SSOP-14	SPDT Switch GaAs MMIC	1.17	1.15	1.01
513—	NJG1516R-TE1	VSP-8	SPDT Switch GaAs MMIC	1.08	1.05	.93
513—	NJG1519KC1-TE3	FLP-10-C1	SPDT Switch GaAs MMIC	1.92	1.87	1.65
513—	NJG1522KB2-TE1	FLP-6-B2	SPDT Switch GaAs MMIC	.65	.63	.56
513—	NJG1523KB2-TE1	FLP-6-B2	SPDT Switch GaAs MMIC	.62	.61	.53
513—	NJG1532KB2-TE1	FLP-6-B2	SPDT Switch GaAs MMIC	.48	.47	.41
513—	NJU4053BM	DMP-16	Triple 2-Channel Multiplexer	.51	.46	.42

CD CONTROLLER/DRIVER ICS- XTENSION LCD DRIVERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Package	Description	Price Each 1	25	100
3—	NJU6416FC1	QFP-100	Dot Matrix, 80-Out Segment	3.15	3.08	2.71

OMMUNICATIONS/INTERFACE: MPLIFIERS

◆ Surface Mount Device

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Package	Description	Price Each 1	25	100
513—	NJG1101F-TE1	MTP-6	Wide Band AGC Amp GaAs MMIC	1.19	1.16	1.02
513—	NJG1102F1-TE2	MTP6-1	Low Noise Amplifier GaAs MMIC	.59	.57	.50
513—	NJG1103F1-TE1	MTP6-1	Low Noise Amplifier GaAs MMIC	.48	.47	.41
513—	NJG1105F-TE1	MTP-6	1.9/2.1GHz High Gain LNA GaAs MMIC	1.40	1.37	1.21
513—	NJG1302V-TE1	SSOP-14	Medium Power Amp GaAs MMIC	3.23	3.15	2.78
513—	NJG1304E-TE1	EMP-14	Medium Power Amp GaAs MMIC	6.61	6.46	5.69
513—	NJG1307R-TE1	VSP-8	Driver Amplifier GaAs MMIC	1.51	1.47	1.30
513—	NJU7081M	DMP-8	Single Low Volt CMOS Pwr Amp	.24	.24	.21

OMMUNICATION/INTERFACE: FREQ/SIGNAL ONVERTERS/GENERATORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Package	Description	Price Each 1	25	100
513—	NJM1496D	DIP-14	Dual Bal. Modulator/Demodulator	.84	.82	.73
513—	NJM1496M	DMP-14	Dual Bal. Modulator/Demodulator	.62	.60	.53
513—	NJM2207D	DIP-14	Video Super Imposer	.62	.60	.53
513—	NJM2207M	DMP-14	Video Super Imposer	.47	.46	.41
513—	NJM2229M	DMP-16	Synchronous Separation with AFC	.86	.84	.74
513—	NJM2230M	DMP-8	Video Synchronous Detector	.33	.32	.29
513—	NJM2247AM	DMP-20	Video Color Super Imposer	.94	.92	.81
513—	NJM2247BM	DMP-20	Video Color Super Imposer	.94	.92	.81
513—	NJM2255M	DMP-8	Chroma Signal Hue Tint Controller	.65	.63	.56
513—	NJM2257D	DIP-16	Synchronous Separation with AFC	1.34	1.31	1.16
513—	NJM2257M	DMP-16	Synchronous Separation with AFC	1.22	1.19	1.05
513—	NJM2258L	SDIP-22	Video Equalizer	1.30	1.26	1.22
513—	NJM2259M	DMP-16	RF Modulator for UHF Band	.97	.95	.84

COMMUNICATION/INTERFACE: FREQ/SIGNAL CONVERTERS/GENERATORS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Package	Description	Price Each 1	25	100
◆ 513—	NJM2295AV-TE1	SSOP-20	FM IF IC for Remote Keyless Entry	1.79	1.75	1.54
513—	NJM2519AM	DMP-8	RF Modulator for VHF Band	.65	.63	.56
513—	NJM2536AM	DMP-14	RF Modulator for VHF Band	.54	.53	.47
◆ 513—	NJM2542V-TE1	SSOP-20	VIF/SIF Demodulator	.91	.89	.78
◆ 513—	NJM2590V-TE1	SSOP-14	456 kHz Input FM IF Demod IC	1.72	1.68	1.48
◆ 513—	NJM2594V-TE1	SSOP-8	Double Balanced Mod/Demod	1.51	1.47	1.30
513—	NJU3711D	DIP-14	8-Bit Serial to Parallel Converter	.53	.52	.46
513—	NJU3712D	DIP-16	8-Bit Serial to Parallel Converter	.93	.91	.80
513—	NJU3715G	SOP-22	16-Bit Serial to Parallel Converter	1.25	1.22	1.08
513—	NJU3716L	SDIP-24	16-Bit Serial to Parallel Converter	.93	.91	.80
513—	NJU3716M	DMP-24	16-Bit Serial to Parallel Converter	1.06	1.04	.91
◆ 513—	NJW1503AV-TE1	SSOP-16	PLL Synth w/ 3-wire Bus for TV Tuner	.86	.84	.74
◆ 513—	NJW1504V-TE1	SSOP-16	PLL Synth w/I2C Bus for TV Tuner	1.29	1.26	1.11
◆ 513—	NJW1508V-TE1	SSOP-16	PLL Synth w/ I2C Bus for TV Tuner	.91	.89	.78
513—	NJM4151D	DIP-8	V-f/f-V Converter	1.36	1.24	1.13

MOTOR CONTROLLER/DRIVER ICS- STEPPER MOTOR CONTROLLER/DRIVER ICS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Package	Description	Price Each 1	25	100
513—	NJM2670D2	DIP-22	Dual H Bridge Driver	2.48	2.42	2.13
513—	NJM2670E2	EMP-24	Dual H Bridge Driver	4.30	4.20	3.70
513—	NJM3517D2	DIP-16	Stepper Motor Controller/Driver	2.76	2.70	2.38
513—	NJM3517E2	EMP-16	Stepper Motor Controller/Driver	2.87	2.81	2.47
513—	NJM3717D2	DIP-16	Stepper Motor Driver	1.35	1.32	1.16
513—	NJM3717FM2	PLCC-28	Stepper Motor Driver	2.76	2.70	2.38
513—	NJM3770AD3	DIP-16 (Batwing)	Stepper Motor Driver	2.97	2.90	2.55
513—	NJM3770AFM2	PLCC-28	Stepper Motor Driver	3.18	3.11	2.74
513—	NJM3771D2	DIP-22	Dual Stepper Motor Driver	7.13	6.97	6.14
513—	NJM3771FM2	PLCC-28	Dual Stepper Motor Driver	5.65	5.52	4.86
513—	NJM37717D2	DIP-16	Dual Stepper Motor Driver	2.58	2.52	2.22
513—	NJM37717E2	EMP-24(Batwing)	Dual Stepper Motor Driver	2.58	2.52	2.22
513—	NJM3772D2	DIP-22	Dual Stepper Motor Driver	5.83	5.70	5.02
513—	NJM3772FM2	PLCC-28	Dual Stepper Motor Driver	5.61	5.48	4.83
513—	NJM3773D2	DIP-22	Dual Stepper Motor Driver	2.98	2.91	2.57
513—	NJM3773FM2	PLCC-28	Dual Stepper Motor Driver	5.23	5.10	4.50
513—	NJM3774D2	DIP-22	Dual Stepper Motor Driver	5.83	5.70	5.02
513—	NJM3774FM2	PLCC-28	Dual Stepper Motor Driver	5.96	5.82	5.13
513—	NJM3775D2	DIP-22	Dual Stepper Motor Driver	5.23	5.11	4.50
513—	NJM3775FM2	PLCC-28	Dual Stepper Motor Driver	3.87	3.78	3.33
513—	NJM3777E3	EMP-24(Batwing)	Dual Stepper Motor Driver	4.88	4.76	4.20
513—	NJM37770D3	DIP-16(Batwing)	Stepper Motor Driver	4.03	3.93	3.46

MOTOR CONTROLLER/DRIVER ICS- DC MOTOR ICS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Pkg.	Description	Voltage Min.	Max.	Price Each 1	25	100
513—	NJM2606AD	DIP-8	Servo Motor Controller	1.8	8	.36	.36	.31
513—	NJM2611D	DIP-16	Brushless DC Motor Pre-Driver	3	10	.91	.89	.78
513—	NJM2611M	DMP-16	Brushless DC Motor Pre-Driver	3	10	.87	.85	.75
513—	NJM2624AD	DIP-16	PWM Type 3-Phase DC Brushless	4.5	18	.64	.63	.55
513—	NJM2624AM	DMP-16	PWM Type 3-Phase DC Brushless	4.5	18	.46	.45	.40
513—	NJU7325R-TE1	VSP-8	Single-Phase DC Brushless	2.4	5.5	.46	.45	.39
513—	NJW4301D	DIP-16	2-Channel Bridge Driver IC	4	12	1.55	1.51	1.33
513—	NJW4301M	SDMP-30	2-Channel Bridge Driver IC	4	12	1.78	1.74	1.53

VIDEO CIRCUITS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Package	Description	Price Each 1	25	100
513—	NJM2533D	DIP-8	2-Input 1-Output Switch	.19	.19	.17
513—	NJM2533M	DMP-8	2-Input 1-Output Switch	.18	.18	.16
513—	NJM2286D	DIP-16	2-Input 3 Channel Switch	.61	.59	.52
◆ 513—	NJM2286V-TE1	SSOP-16	2-Input 3 Channel Switch	.47	.46	.40
513—	NJM2233BD	DIP-8	2-Input Single Switch	.22	.21	.19
513—	NJM2535D	DIP-8	3-Input 1-Output Switch	.26	.26	.23
513—	NJM2535M	DMP-8	3-Input 1-Output Switch	.22	.21	.19
513—	NJM2248D	DIP-8	3-Input Super Imposer	.23	.22	.20
513—	NJM2266D	DIP-8	3-Input Super Imposer w/ 6 dB Amp	.36	.35	.31
513—	NJM2264D	DIP-8	3-Input Super Imposer w/ 75Ω Driver	.27	.26	.23
513—	NJM2249D	DIP-8	3-Input Switch	.23	.22	.20
513—	NJM2249M	DMP-8	3-Input Switch	.54	.53	.47
513—	NJM2246M	DMP-8	3-Input Switch w/ 6 dB Amplifier	.24	.23	.20
513—	NJM2244D	DIP-8	3-Input Switch w/ 75Ω Driver	.46	.40	.34
513—	NJM2244M	DMP-8	3-Input Switch w/ 75Ω Driver	.33	.30	.27
513—	NJM2513M	DMP-16	3-Input/2-Input Switch	.43	.42	.37
513—	NJM2296D	DIP-16	5-Input 3-Output Switch	1.12	1.10	.97
513—	NJM2595M	DMP-16	5-Input 3-Output Switch	.91	.89	.78
513—	NJM2596M	DMP-24	5-Input 3-Output Switch for S3	1.72	1.68	1.48
513—	NJM592D	DIP-14	Amplifier	.32	.31	.27
513—	NJM592D8	DIP-8	Amplifier	.20	.20	.18
513—	NJM2255M	DMP-8	Chroma Signal Hue Tint Controller	.65	.63	.56
513—	NJM2256M	DMP-20	Color Super Imposer	.92	.90	.79
513—	NJM2268D	DIP-8	Dual 6 dB Amplifier w/ 75Ω Driver	.31	.31	.27
513—	NJM2268M	DMP-8	Dual 6 dB Amplifier w/ 75Ω Driver	.36	.33	.30
513—	NJM2258L	SDIP-22	Equalizer	1.30	1.26	1.22
513—	NJM2536AM	DMP-14	FM IF IC for Pagers	.54	.53	.47

NJR Driver, Audio and Video ICs, Regulators ICs

VIDEO CIRCUITS (CONT.)

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Package	Description	Price Each 1	25	100
◆ 513—	NJM2274R-TE1	VSP-8	Low Power Amp w/ Y-C Amplifier	.76	.74	.65
◆ 513—	NJM2576RB1-TE1	TVSP-8	Low Voltage Amplifier with LPF	.76	.74	.65
◆ 513—	NJW1508V-TE1	SSOP-16	PLL Synth w/ I2C Bus for TV Tuner	.91	.89	.78
513—	NJM2577M	DMP-20	Quad Driver	1.51	1.47	1.30
513—	NJM2259M	DMP-16	RF Modulator for VHF Band	.97	.95	.84
513—	NJM2519AM	DMP-8	RF Modulator for VHF Band	.65	.63	.56
513—	NJM2580D	DIP-14	Single Supply Wide Band Triple Amp	1.45	1.41	1.24
513—	NJM2580M	DMP-14	Single Supply Wide Band Triple Amp	1.23	1.20	1.06
513—	NJM2240D	DIP-8	Sub-Carrier Signal Quadrupler	.64	.63	.55
513—	NJM2240M	DMP-8	Sub-Carrier Signal Quadrupler	.57	.55	.49
513—	NJM2207D	DIP-14	Super Imposer	.62	.60	.53
513—	NJM2207M	DMP-14	Super Imposer	.47	.46	.41
◆ 513—	NJM2509V-TE1	SSOP-8	Super Imposer with Y-C Mixer	.86	.84	.74
513—	NJM2230M	DMP-8	Synchronous Detector	.33	.32	.29
513—	NJM2257D	DIP-16	Synchronous Separation with AFC	1.34	1.31	1.16
513—	NJM2257M	DMP-16	Synchronous Separation with AFC	1.22	1.19	1.05
513—	NJM2584D	DIP-16	Wide Band Three-Circuit Switch	.86	.84	.74
513—	NJM2584M	DMP-16	Wide Band Three-Circuit Switch	.71	.70	.62
513—	NJM2584D	DIP-16	Wide Band 3-Circuit Video Swtch	.86	.84	.74
513—	NJM2584M	DMP-16	Wide Band 3-Circuit Video Swtch	.71	.70	.62
◆ 513—	NJG1309VB2-TE1	SSOP-20-B2	Transmitting Pwr Amp GaAs MMIC	2.92	2.85	2.51
513—	NJM2248D	DIP-8	3-Input Video Super Imposer	.23	.22	.20
513—	NJM2256M	DMP-20	Video Color Super Imposer	.92	.90	.79
513—	NJM2265D	DIP-8	3-Input Vid Super Impo w/ 6 dB Amp	.28	.28	.25
513—	NJM2266D	DIP-8	3-Input Vid Super Impo w/ 6 dB Amp	.36	.35	.31
◆ 513—	NJM2274R-TE1	VSP-8	Low Power Video Amp w/ Y-C Amp	.76	.74	.65
513—	NJM2279D	DIP-14	Low Power Video Amp w/ Y-C Amp	1.28	1.14	1.07
◆ 513—	NJM2509V-TE1	SSOP-8	Video Super Impo w/ Y-C Mixer	.86	.84	.74
◆ 513—	NJM2538V-TE1	SSOP-20	Video Amplifier w/ 75Ω Driver	1.55	1.52	1.34
◆ 513—	NJM2568V-TE1	SSOP-14	Video Amplifier w/ 75Ω Driver	1.29	1.26	1.11
◆ 513—	NJM2570V-TE2	SSOP-16	4 Chan Video Amp for Color Dif Sig	1.29	1.26	1.11
◆ 513—	NJM2571F1-TE1	MTP-6	Low Voltage Video Amp with LPF	.86	.84	.74
◆ 513—	NJM2574RB1-TE1	TVSP-8	Low Voltage Video Amp with LPF	1.19	1.16	1.02
◆ 513—	NJM2575F1-TE1	MTP-6	Low Voltage Video Amp with LPF	1.13	1.10	.97
◆ 513—	NJM2576RB1-TE1	TVSP-8	Low Voltage Video Amp with LPF	.76	.74	.65
513—	NJM2577M	DMP-20	Quad Video Amplifier	1.51	1.47	1.30
513—	NJM2580D	DIP-14	Single Supply WB Triple Video Amp	1.45	1.41	1.24
513—	NJM2580M	DMP-14	Single Supply WB Triple Video Amp	1.23	1.20	1.06
513—	NJM592D	DIP-14	Video Amplifier	.32	.31	.27
513—	NJM592D8	DIP-8	Video Amplifier	.20	.20	.18
513—	NJM2244D	DIP-8	3-In Video Switch with 75Ω Driver	.46	.40	.34
513—	NJM2244M	DMP-8	3-In Video Switch with 75Ω Driver	.33	.30	.27
513—	NJM2264D	DIP-8	3-In Video Super Impo w/ 75Ω Driver	.27	.26	.23
513—	NJM2267D	DIP-8	Dual Video 6 dB Amp w/ 75Ω Driver	.64	.58	.53
513—	NJM2267M	DMP-8	Dual Video 6 dB Amp w/ 75Ω Driver	.33	.32	.28
513—	NJM2268D	DIP-8	Dual Video 6 dB Amp w/ 75Ω Driver	.31	.31	.27
513—	NJM2268M	DMP-8	Dual Video 6 dB Amp w/ 75Ω Driver	.36	.33	.30

AUDIO CIRCUITS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Package	Description	Price Each 1	25	100
513—	NJM2520D	DIP-8	2-Input 1-Output Audio Switch	.23	.23	.20
513—	NJM2520M	DMP-8	2-Input 1-Output Audio Switch	.18	.18	.16
◆ 513—	NJU8713V-TE1	SSOP-14	2V Switching Driver for Class D Amp	1.40	1.37	1.21
513—	NJM2521D	DIP-8	3-Input 1-Output Audio Switch	.25	.24	.21
513—	NJM2521M	DMP-8	3-Input 1-Output Audio Switch	.23	.22	.20
◆ 513—	NJU8711V-TE2	SSOP-10	3V Switching Driver for Class D Amp	1.40	1.37	1.21
513—	NJM2750M	DMP-16	4-In/1-Out Stereo Audio Selector	.71	.70	.62
513—	NJW1151M	SDMP-30	6-Channel Electronic Volume	3.01	2.94	2.59
513—	NJU7311AM	DMP-30	Analog Function Switch	1.17	1.14	1.01
513—	NJU7312AM	DMP-30	Analog Function Switch	1.21	1.18	1.04
513—	NJU7313AM	DMP-30	Analog Function Switch	1.59	1.55	1.37
◆ 513—	NJU8752V-TE1	SSOP-14	Class D Amp for Piezo Speaker	1.83	1.79	1.58
◆ 513—	NJU8755V-TE1	SSOP-20	Class D Amp for Piezo Speaker	1.83	1.79	1.58
◆ 513—	NJM2174V-TE1	SSOP-14	Audio Line Amp with Mute Function	.76	.74	.65
◆ 513—	NJU8721V-TE1	SSOP-20	Class D Headphone Amp, Digital Audio	2.15	2.10	1.85
◆ 513—	NJU8725V-TE1	SSOP-24	Class D Headphone Amp, Digital Audio	3.23	3.15	2.78
513—	NJM2768BM	DMP-8	Headphone Amp for CD-ROM	.35	.34	.30
513—	NJW1105D	DIP-16	Dual Audio Power Amp	2.06	2.02	1.78
513—	NJW1105M	SDMP-30	Dual Audio Power Amp	1.78	1.74	1.53
◆ 513—	NJU7082BV-TE1	SSOP-8	Dual Low Volt CMOS CMOS Pwr Amp	.30	.29	.26
513—	NJM2073D	DIP-8	Dual Low Voltage Power Amp	.58	.53	.48
513—	NJM2073M	DMP-8	Dual Low Voltage Power Amp	.64	.58	.53
513—	NJM2076D	DIP-8	Dual Low Voltage Power Amp	.39	.38	.33
513—	NJM2076M	DMP-8	Dual Low Voltage Power Amp	.39	.38	.33
513—	NJM2770M	DMP-8	High Pwr / Low Volt Audio Pwr Amp	.65	.63	.56
513—	NJM2135D	DIP-8	Low Voltage Audio Power Amp	.26	.26	.23
513—	NJM2135M	DMP-8	Low Voltage Audio Power Amp	.25	.24	.21
513—	NJM2149D	DIP-8	Low Voltage Audio Power Amp IC	.46	.45	.39
513—	NJM2149M	DMP-8	Low Voltage Audio Power Amp IC	.46	.45	.39
◆ 513—	NJM2171AR-TE1	VSP-10	Low Volt Headphone Amp	.47	.46	.40
◆ 513—	NJM2772V-TE1	SSOP-14	Low Volt Headphone Amp	.69	.68	.60
513—	NJM2070D	DIP-8	Low Voltage Power Amp	.34	.33	.30
513—	NJM2113D	DIP-8	Low Voltage Power Amp	.64	.60	.56
513—	NJM2113M	DMP-8	Low Voltage Power Amp	.27	.27	.23
◆ 513—	NJM2172V-TE1	SSOP-14	Operational Amp with EVR	.95	.93	.82

AUDIO CIRCUITS (CONT.)

◆ Surface Mount D

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Mfr. Part No.	Package	Description	Price Each 1	25	1
513—	NJU7081M	DMP-8	Single Low Volt CMOS Power Amp	.24	.24	
513—	NJM#386BD	DIP-(-Pb)	Low Voltage	.22	.21	
513—	NJM386BD	DIP-8	Low Voltage	.28	.25	
◆ 513—	NJM386BL	SIP-8	Low Voltage	.28	.28	
513—	NJM386D	DIP-8	Low Voltage	.33	.30	
◆ 513—	NJM386E	SO-8	Low Voltage	.32	.29	
513—	NJU9214FG1-00	QFP-100-G1	4 3/4 Digital LSI	23.65	23.10	2

VOLTAGE REGULATORS

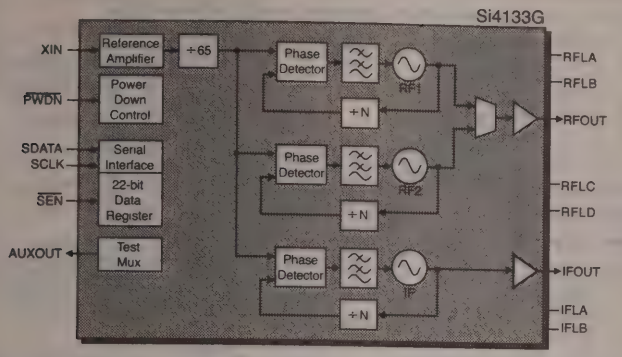
◆ Surface Mount D

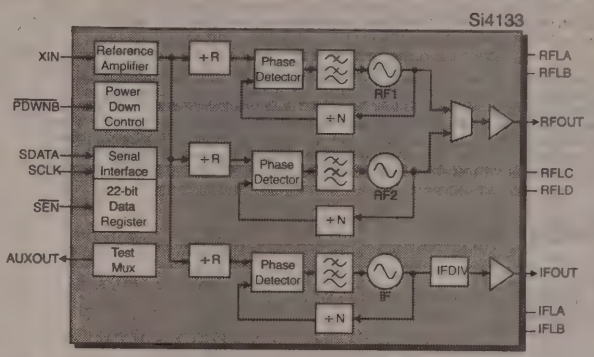
For quantities of 500 and up, call for q

MOUSER STOCK NO.	Mfr. Part No.	Package	Description	Price Eac 1	25
Fixed					
◆ 513—	NJM2370R02-TE1	VSP-8	150mA LDO with ON/OFF	.27	.26
◆ 513—	NJM2370R03-TE1	VSP-8	150mA LDO with ON/OFF	.26	.26
◆ 513—	NJM2370R37-TE1	VSP-8	150mA LDO with ON/OFF	.26	.26
◆ 513—	NJM2370U30-TE1	SOT-89 (5pin)	150mA LDO with ON/OFF	.31	.30
◆ 513—	NJM2370U47-TE1	SOT-89 (5pin)	150mA LDO with ON/OFF	.31	.30
513—	NJM2396F05	TO-220F-4	1500mA LDO with ON/OFF	.59	.57
513—	NJM2396F33	TO-220F-4	1500mA LDO with ON/OFF	.56	.55
513—	NJM2396F63	TO-220F-4	1500mA LDO with ON/OFF	.56	.55
◆ 513—	NJM2800F3342-TE1	MTP-5	150mA LDO with Reset	.54	.53
◆ 513—	NJM2800U3342-TE1	SOT-89 (5pin)	150mA LDO with Reset	.54	.53
◆ 513—	NJM2860F3-25-TE1	SC-88A	100mA LDO	.24	.24
◆ 513—	NJM2860F3-33-TE1	SC-88A	100mA LDO	.24	.24
◆ 513—	NJM2860F3-47-TE1	SC-88A	100mA LDO	.24	.24
◆ 513—	NJM2870F21-TE1	MTP-5	150mA LDO, Low Noise	.22	.21
◆ 513—	NJM2870F33-TE1	MTP-5	150mA LDO, Low Noise	.22	.21
◆ 513—	NJM2870F48-TE1	MTP-5	150mA LDO, Low Noise	.22	.21
◆ 513—	NJM2871AF25-TE1	MTP-5	150mA LDO, Low Noise	.31	.30
◆ 513—	NJM2880U21-TE1	SOT-89 (5pin)	100mA LDO	.37	.36
513—	NJM2930F05	TO-220F	150mA 3-Terminal Positive	.46	.42
513—	NJM2930F85	TO-220F	150mA 3-Terminal Positive	.42	.38
513—	NJM2930L85	TO-92	150mA 3-Terminal Positive	.43	.34
513—	NJM78LR05BD	DIP-8	1500mA Series Reg w/ Reset	.24	.24
◆ 513—	NJM78LR05BU-TE1	SOT-89 (5pin)	1500mA Series Reg w/ Reset	.31	.30
513—	NJM78LR05DD	DIP-8	1500mA Series Reg w/ Reset	.27	.27
513—	NJM78LR05DM	DMP-8	1500mA Series Reg w/ Reset	.27	.27
◆ 513—	NJM78LR05DU-TE1	SOT-89 (5pin)	1500mA Series Reg w/ Reset	.27	.27
513—	NJU7201L12	TO-92	40mA CMOS 3-Terminal Pos	.37	.34
513—	NJU7201L32	TO-92	40mA CMOS 3-Terminal Pos	.37	.34
513—	NJU7201L55	TO-92	40mA CMOS 3-Terminal Pos	.37	.34
◆ 513—	NJU7201U55	SOT-89	40mA CMOS 3-Terminal Pos	.55	.50
513—	NJU7211L30	TO-92	40mA CMOS 3-Terminal Pos	.38	.37
513—	NJU7211L50	TO-92	40mA CMOS 3-Terminal Pos	.38	.37
◆ 513—	NJU7211U12	SOT-89	40mA CMOS 3-Terminal Pos	.38	.37
◆ 513—	NJU7211U32	SOT-89	40mA CMOS 3-Terminal Pos	.38	.37
◆ 513—	NJU7211U52	SOT-89	40mA CMOS 3-Terminal Pos	.38	.37
Adjustable					
◆ 513—	NJM317DL1-TE1	TO-252	Adjustable 3-Terminal Positive	.47	.46
513—	NJM317F	TO-220F	Adjustable 3-Terminal Positive	.55	.50
513—	NJM2373D	DIP-8	Adjustable High Precision Shunt	.34	.33
513—	NJM2373M	DMP-8	Adjustable High Precision Shunt	.34	.33
513—	NJM2397F	TO-220F-4	Adjustable Low Dropout	.59	.57
513—	NJM431E	EMP-8	Adjustable Precision Shunt	.29	.26
513—	NJM431L	TO-92	Adjustable Precision Shunt	.28	.25
513—	NJM431M	DMP-8	Adjustable Precision Shunt	.17	.17
◆ 513—	NJM431U	SOT-89	Adjustable Precision Shunt	.28	.28
513—	NJM723M	DMP-14	Precision Voltage Regulator	.29	.28
Fixed, High Precision					
513—	NJU7222L50	TO-92	100mA High Out Crnt CMOS	.44	.43
◆ 513—	NJU7222U30	SOT-89	100mA High Out Crnt CMOS	.44	.43
◆ 513—	NJU7222U50	SOT-89	100mA High Out Crnt CMOS	.44	.43
◆ 513—	NJU7231F12-TE1	MTP-5	40mA CMOS 3-Terminal	.26	.26
◆ 513—	NJU7231F52-TE1	MTP-5	40mA CMOS 3-Terminal	.26	.26
◆ 513—	NJU7231U18-TE1	SOT-89	40mA CMOS 3-Terminal	.28	.28
◆ 513—	NJU7231U30	SOT-89	40mA CMOS 3-Terminal	.28	.28
◆ 513—	NJU7250F25-TE1	MTP-5	150mA CMOS LDO w/ Stand-by	.30	.29
◆ 513—	NJU7250F33-TE1	MTP-5	150mA CMOS LDO w/ Stand-by	.33	.32
513—	NJU7223F18	TO-220F	500mA CMOS LDO	.48	.47
513—	NJU7223F50	TO-220F	500mA CMOS LDO	.48	.47
◆ 513—	NJU7241F18-TE1	MTP-5	60mA Tiny CMOS Pos w/ Stand-by	.53	.51
◆ 513—	NJU7241F59-TE2	MTP-5	60mA Tiny CMOS Pos w/ Stand-by	.53	.51
Switching					
513—	NJM2352D	DIP-8	Low Power	.46	.42
513—	NJM2352M	DMP-8	Low Power	.46	.42
513—	NJM2355D	DIP-18	Two Output High Voltage	1.29	1.26
513—	NJM3524D	DIP-16	Switching Regulator Cntrl Circ	.61	.60
513—	NJM3524M	DMP-16	Switching Regulator Cntrl Circ	.61	.60
◆ 513—	NJU7261U50	SOT-89 (5pin)	CMOS Step-up Regulator	.41	.40
513—	NJU7262M30	DMP-8	CMOS Step-up Regulator	.61	.59
513—	NJU7262M50	DMP-8	CMOS Step-up Regulator	.61	.59
◆ 513-	NJU7261U30	SOT-89 (5pin)	CMOS Step-up Switching Reg.	.41	.40
◆ 513-	NJU7261U50	SOT-89 (5pin)	CMOS Step-up Switching Reg.	.41	.40

SILICON LABORATORIES RF Synthesizers and Modems

SYNTHESIZERS





Laboratories' wireless solutions are the world's most integrated, robust, reliable and easiest to use wireless solutions available in the GSM/GPRS market today. By eliminating more discretes and requiring fewer external nents than alternate solutions, Silicon Laboratories' products empower our customers to add value-rich features and speed time to market. Best of all, Silicon Laboratories' develops and designs these world-class products in proven, rd CMOS process technology. Generate high-frequency signals used in wireless communication devices.

Si4112:	If Synthesizer Only (1F)	Si4133:	Dual Band (RF1 / RF2 / 1F)
Si4113:	Dual-Band Only (RF1 / RF2)	Si4126:	WLAN (RF2 / 1F)
Si4122:	Single-Band Only (RF2 / 1F)	Si4136:	WLPN (RF1 / RF2 / 1F)
Si4123:	Single-Band Only (RF1 / 1F)		

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Package	Description	RF1 (MHz)	RF2 (MHz)	IF (MHz)	Settling Time (µs)	Input RF (MHz)	Price Each 1	25	100
SI4112-D-GM	SI4112-D-GM	MLP-28	General Purpose	n/a	n/a	62.5 to 1000	200	2 to 26	5.89	5.30	4.57
SI4112-D-GT	SI4112-D-GT	TSSOP-24	General Purpose	n/a	n/a	62.5 to 1000	200	2 to 26	5.89	5.30	4.57
SI4113-D-GM	SI4113-D-GM	MLP-28	General Purpose	900 to 2050	750 to 1500 MHz	n/a	200	2 to 26	8.73	7.86	6.78
SI4113-D-GT	SI4113-D-GT	TSSOP-24	General Purpose	900 to 2050	750 to 1500 MHz	n/a	200	2 to 26	8.73	7.86	6.78
SI4122-D-GT	SI4122-D-GT	MLP-28	General Purpose	n/a	750 to 1500 MHz	62.5 to 1000	200	2 to 26	8.73	7.86	6.78
SI4122-D-GM	SI4122-D-GM	TSSOP-24	General Purpose	n/a	750 to 1500 MHz	62.5 to 1000	200	2 to 26	8.73	7.86	6.78
SI4123-D-GT	SI4123-D-GT	TSSOP-24	General Purpose	900 to 2050	n/a	62.5 to 1000	200	2 to 26	8.73	7.86	6.78
SI4123-D-GM	SI4123-D-GM	MLP-28	GSM/GPRS	900 to 1800	n/a	500 to 1000	140	2 to 26	8.73	7.86	6.78
SI4126-F-BM	SI4126-F-BM	MLP-28	802.11b,g and ISM Band	n/a	2025 to 2300 MHz	62.5 to 1000	80	2 to 50	8.73	7.86	6.78
SI4133-D-GM	SI4133-D-GM	MLP-28	General Purpose	900 to 2050	750 to 1500 MHz	62.5 to 1000	200	2 to 26	10.89	9.80	8.45
SI4133-D-GT	SI4133-D-GT	TSSOP-24	General Purpose	900 to 2050	750 to 1500 MHz	62.5 to 1000	200	2 to 26	10.89	9.80	8.45
SI4136-F-GM	SI4133-F-GM	MLP-28	802.11b,g and ISM Band	2300 to 2500	2025 to 2300 MHz	62.5 to 1000	80	2 to 40	10.89	9.80	8.45
SI4136-F-GT	SI4136-F-GT	TSSOP-24	802.11b and ISM Band	2300 to 2500	2025 to 2300 MHz	62.5 to 1000	80	2 to 50	10.89	9.80	8.45

uation Boards

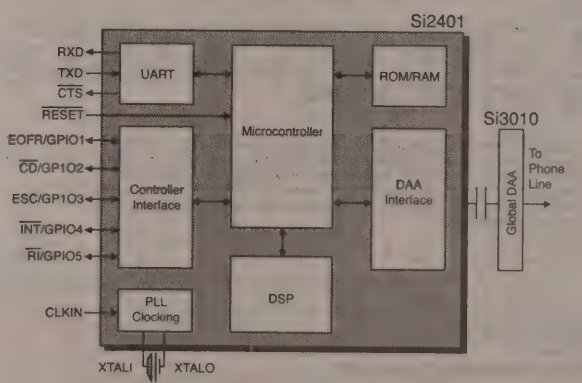
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Description	RF1(MHz)	RF2 (MHz)	IF (MHz)	Settling Time (Ns)	Input RF (MHz)	Price Each
SI4112M-EVB	SI4112M-EVB	General Purpose	n/a	n/a	62.5 to 1000	200	2 to 26	225.00
SI4113M-EVB	SI4113M-EVB	General Purpose	900 to 1800	750 to 1500	62.5 to 1000	Prop. to Tø	2 to 26	225.00
SI4122M-EVB	SI4122M-EVB	General Purpose	n/a	750 to 1500	62.5 to 1000	200	2 to 26	225.00
SI4123M-EVB	SI4123M-EVB	General Purpose	900 to 2050	n/a	62.5 to 1000	200	2 to 26	225.00
SI4126M-EVB	SI4126M-EVB	802.11b and ISM Band	n/a	2025 to 2300	62.5 to 1000	80	2 to 50	225.00
SI4133M-EVB	SI4133M-EVB	General Purpose	900 to 2050	750 to 1500	62.5 to 1000	200	2 to 26	225.00
SI4136M-EVB	SI4136M-EVB	802.11b,g and ISM Band	2300 to 2500	2025 to 2300	62.5 to 1000	80	2 to 50	225.00

MODEM™ EMBEDDED MODEMS

Laboratories' embedded modem solutions are most feature mpact and flexible 2400 baud modems on the market. le in two 16-pin SOIC packages, the SI2401 and SI2400 ded modem solutions eliminate the need for a separate ta pump, modem controller, codec, isolation transformer, pto-isolators and 2-4 wire hybrid.

res:
- le AT command UART interface
- ally compliant line interface
- n-use and parallel phone intrusion detection
- ID detection and decode



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Description	Package	Line-Side Device	Max Data Rate	Voice Codec	Price Each 1	25	100
SI2401-FS	SI2401-FS	V.22bis modem chipset	SOIC - 16	SI3010-FS	2400 bps	No	24.11	24.11	14.33
SI2400-KS	SI2400-KS	V.22bis modem chipset	SOIC - 16	SI3015-KS	2400 bps	Yes	26.36	26.36	16.45
SI3010-FS	SI3010-FS	SI2401 Line Side Device	SOIC - 16	- - - - - -	- - - - - -	- - - - - -	4.80	4.80	3.70
SI3015-KS	SI3015-KS	SI2400 Line Side Device	SOIC - 16	- - - - - -	- - - - - -	- - - - - -	7.22	7.22	5.94
SI2401FS10-EVB	SI2401FS10-EVB	V.22bis modem evaluation board	PCB	SI3010-FS	2400 bps	No	150.00	150.00	150.00
SI2400URT-EVB	SI2400URT-EVB	V.22bis modem evaluation board	PCB	SI3015-KS	2400 bps	Yes	150.00	150.00	150.00

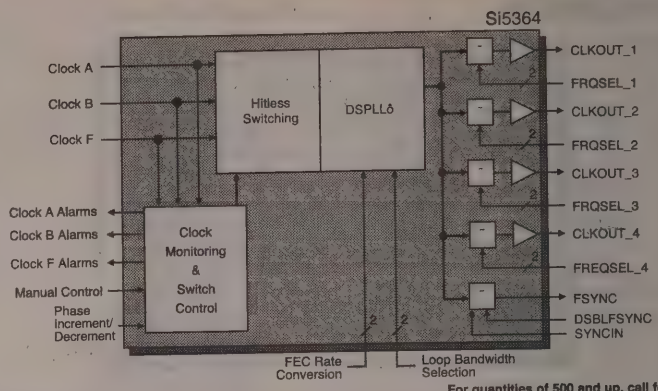
SILICON LABORATORIES Transceivers, Clocks and Audio Codec

Silicon Laboratories, based in Austin, Texas, designs and develops analog-intensive, mixed-signal integrated circuits (ICs) for a broad range of applications. Silicon Laboratories' diverse portfolio of highly-integrated, patented solutions is developed by a world-class engineering team with decades of cumulative expertise in mixed-signal technology.

Silicon Laboratories' diverse portfolio of both application specific and general purpose products serves a broad set of markets and applications. Silicon Laboratories' product portfolio includes high-performance microcontrollers, Aero™ GSM/GPRS transceivers, GSM/GPRS power amplifier, RF synthesizers, silicon direct access arrangements (DAAs), ISOmodem® embedded modems, ProSLIC® subscriber line interface circuits, DSL analog front end ICs, voice codecs, SiPHY™ optical networking transceivers, clock and data recovery ICs and precision clock ICs. Silicon Laboratories' solutions are designed into consumer, industrial, automotive and communications products worldwide including wireless handsets, digital video recorders and central office equipment.

PRECISION CLOCK

Features:
- Jitter generation less than 0.3 psRMS (typ OC-192)
- Forward and reverse FEC clock scaling
- Selectable loop filter bandwidths



ICs

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	SiLabs Part No.	Description	Price Each 1	25	10
634-SI5310-BM	SI5310-BM	Precision Clock Multiplier/Regenerator, 155 MHz, 622 MHz	45.19	45.19	25.
634-SI5318-G-BC	SI5318-G-BC	SONET/SDH Precision Clock Multiplier/Jitter Attenuator IC, 19 or 155 MHz Output Clock	71.00	71.00	49.
634-SI5320-G-BC	SI5320-G-BC	SONET/SDH Clock Multiplier/Jitter Attenuator, 19 MHz, 155 MHz, 622 MHz Output, 15/14 Scaling	91.80	91.80	68.
634-SI5321-G-BC	SI5321-G-BC	SONET/SDH Clock Multiplier/Jitter Attenuator, 19 MHz to 2.5 GHz Output, G.709 FEC and 66/64 Scaling	110.15	110.15	82.
634-SI5364-G-BC	SI5364-G-BC	SONET/SDH Clock Multiplier/Jitter Attenuator, Auto Hitless Switching, Four Outputs at 19 MHz, 155 MHz or 622 MHz	149.28	149.28	114.

Evaluation Boards

For quantities of 25 and up, call for qu

MOUSER STOCK NO.	SiLabs Part No.	Description	Price Each
634-SI5310-EVB	SI5310-EVB	Precision Clock Multiplier/Regenerator, 155 MHz, 622 MHz	350.00
634-SI5320-EVB	SI5320-EVB	SONET/SDH Clock Multiplier/Jitter Attenuator, 19 MHz, 155 MHz, 622 MHz Output, 15/14 Scaling	350.00
634-SI5321-EVB	SI5321-EVB	SONET/SDH Clock Multiplier/Jitter Attenuator, 19 MHz to 2.5 GHz Output, G.709 FEC and 66/64 Scaling	350.00
634-SI5364-EVB	SI5364-EVB	SONET/SDH Clock Multiplier/Jitter Attenuator, Auto Hitless Switching, Four Outputs at 19 MHz, 155 MHz or 622 MHz	350.00

CLOCK AND DATA RECOVERY ICS

Features:
- Multi-rate operation: OC-3/12/48, STM-1/4/16, GbE and 2.7 Gbps
- Low jitter generation; low power operation
- DSPLLTM technology eliminates external loop filter components

ICs

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	SiLabs Part No.	Description	Price Each 1	25	10
634-SI5010-BM	SI5010-BM	OC-12/3, STM-4/1 SONET/SDH, 2.5 V	24.03	24.03	16.
634-SI5013-BM	SI5013-BM	OC-12/3, STM-4/1 SONET/SDH, with limiting amp, 3.3 V	26.29	26.29	17.
634-SI5020-BM	SI5020-BM	OC-48/12/3, STM-16/4/1 SONET/SDH, GbE, 2.7 Gbps, 2.5 V	69.39	69.39	52.
634-SI5023-BM	SI5023-BM	OC-48/12/3, STM-16/4/1 SONET/SDH, GbE, 2.7 Gbps, with limiting amp, 3.3 V	76.33	76.33	57.

Evaluation Boards

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Description	Price Ea
634-SI5010-EVB	SI5010-EVB	OC-12/3, STM-4/1 SONET/SDH, 2.5 V	350.00
634-SI5020-EVB	SI5020-EVB	OC-48/12/3, STM-16/4/1 SONET/SDH, GbE, 2.7 Gbps, 2.5 V	500.00

SIPHY™ HIGH-SPEED TRANSCEIVERS

Features:
- Integrated limiting amplifier, CDR, CMU and MUX/DEMUX
- Low jitter generation: <2.0 mUIRMS (typ OC-48)
- Jitter attenuating CMU eliminates the external clean-up PLL
- Low power operation

ICs

For quantities of 500 and up, call for q

MOUSER STOCK NO.	SiLabs Part No.	Description	Price Each 1	25	10
634-SI5100-G-BC	SI5100-G-BC	OC-48, STM-16 SONET/SDH Transceiver, 1:16 Deserializer and 16:1 Serializer	174.22	174.22	130
634-SI5110-G-BC	SI5110-G-BC	OC-48, STM-16 SONET/SDH Transceiver, 1:4 Deserializer and 4:1 Serializer	174.22	174.22	130

Evaluation Boards

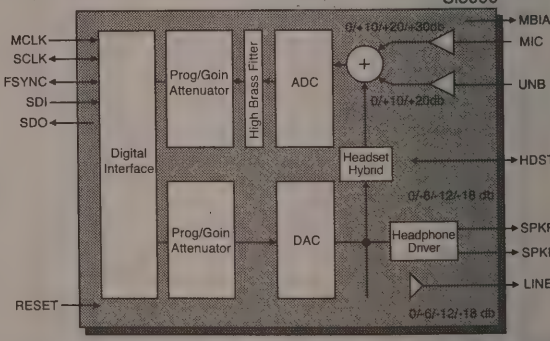
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Description	Price Ea
634-SI5100-EVB	SI5100-EVB	OC-48, STM-16 SONET/SDH Transceiver, 1:16 Deserializer and 16:1 Serializer	350.0
634-SI5110-EVB	SI5110-EVB	OC-48, STM-16 SONET/SDH Transceiver, 1:4 Deserializer and 4:1 Serializer	350.0

CODEC FOR VOICE APPLICATIONS

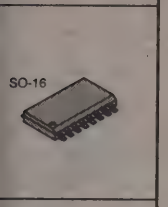
Silicon Laboratories' Si3000 is a highly integrated, programmable, feature rich, and low cost voice band audio CODEC. Applications include handsets and speakerphones for computer telephony, PC modems, web phones, and Fax/MFP machines. The Si3000's digital interface allows direct connection to Silicon Laboratories' serial interface DAAs, or to a wide range of DSPs. Available in a 16-pin SOIC package, the Si3000 dramatically reduces external BOM components such as speaker drivers, bias circuits, and the handset hybrid to reduce total solution cost.

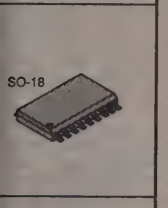
Features:
- Integrated microphone amplifier
- Integrated headphone and speaker drivers
- Integrated handset hybrid
- Serial interface for direct connection to DSP or a Silicon DAA

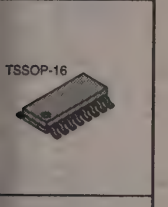


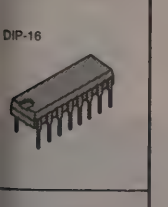
For quantities of 500 and up, call for

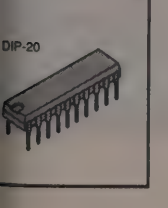
MOUSER STOCK NO.	SiLabs Part No.	Description	ADC/DAC Range	Integrated mic bias circuit	Integrated Speaker Driver	Integrated Handset	Price Each 1	25	1
634-SI3000-KS	SI3000-KS	VoiceBand CODEC	84 dB	yes	yes	yes	1.89	1.81	
634-SI3000SSI-EVB	SI3000SSI-EVB	Eval board with serial interface for to another EVB or app board	84 dB	yes	yes	yes	150.00	150.00	15
634-SI3000PPT-EVB	SI3000PPT-EVB	Eval board with parallel port for connection to a PC (includes Windows-based SW)	84 dB	yes	yes	yes	175.00	175.00	17











STMICROELECTRONICS DATA TRANSMISSION

RS-232

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	# of Drivers	# of Rcvrs	Data Rate (Min/Typ) (kbps)	ICC (Typ) (mA)	Ext. Cap. (uF)	No.Of Ext. Cap.	ESD Protect	Temperature Range (°C)	Price Each 1	100	500
Surface Mount														
511-ST3222BD	ST3222BD	SO-18	3.0	2	2	-----/250	0.3	0.1	4	-----	-40 to +85	1.90	1.62	1.43
511-ST3222EBD	ST3222EBD	SO-18	3.0	2	2	-----/250	0.3	0.1	4	15kV	-40 to +85	2.69	1.88	1.82
511-ST3232BD	ST3232BD	SO-16	3.0	2	2	-----/250	0.3	0.1	4	-----	-40 to +85	2.56	1.69	1.01
511-ST3232EBD	ST3232EBD	SO-16	3.0	2	2	-----/250	0.3	0.1	4	15kV	-40 to +85	2.37	1.66	1.19
511-ST3232BT	ST3232BTR	TSSOP-16	3.0	2	2	-----/250	0.3	0.1	4	-----	-40 to +85	2.00	1.70	1.50
511-ST3232BW	ST3232BW	SO-16L	3.0	2	2	-----/250	0.3	0.1	4	-----	-40 to +85	2.00	1.70	1.50
511-ST3232CD	ST3232CD	SO-16	3.0	2	2	-----/250	0.3	0.1	4	-----	0 to +70	1.70	1.45	1.26
511-ST3232CT	ST3232CTR	TSSOP-16	3.0	2	2	-----/250	0.3	0.1	4	-----	0 to +70	1.70	1.45	1.28
511-ST3232CW	ST3232CW	SO-16L	3.0	2	2	-----/250	0.3	0.1	4	-----	0 to +70	1.70	1.45	1.28
511-ST3243EBD	ST3243EBD	SO-28	3.0	3	5	-----/250	0.3	0.1	4	15kV	-40 to +85	2.32	1.97	1.61
511-ST3243ECT	ST3243ECTR	TSSOP-28	3.0	3	5	-----/250	0.3	0.1	4	15kV	0 to +70	2.24	1.90	1.68
511-ST3237EBD	ST3237EBD	SO-28	3.0	5	3	-----/250	0.5	0.1	4	15kV	-40 to +85	3.20	2.72	2.23
511-ST202BD	ST202BD	SO-16	5.0	2	2	-----/400	1.5	0.1	4	-----	-40 to +85	1.20	1.02	.89
511-ST202EBD	ST202EBD	SO-16	5.0	2	2	-----/400	1.5	0.1	4	15kV	-40 to +85	1.58	1.05	.63
511-ST202EBW	ST202EBW	SO-16L	5.0	2	2	-----/400	1.5	0.1	4	15kV	-40 to +85	1.30	1.11	.98
511-ST202ECD	ST202ECD	SO-16	5.0	2	2	-----/400	1.5	0.1	4	15kV	0 to +70	1.30	1.11	.96
511-ST202ECW	ST202ECW	SO-16L	5.0	2	2	-----/400	1.5	0.1	4	15kV	0 to +70	1.30	1.11	.96
511-ST232ABD	ST232ABD	SO-16	5.0	2	2	-----/400	1.5	0.1	4	-----	-40 to +85	1.10	.94	.81
511-ST232ABW	ST232ABW	SO-16L	5.0	2	2	-----/400	1.5	0.1	4	-----	-40 to +85	1.10	.94	.81
511-ST232ACD	ST232ACD	SO-16	5.0	2	2	-----/400	1.5	0.1	4	-----	0 to +70	1.76	1.17	.78
511-ST232ACW	ST232ACW	SO-16L	5.0	2	2	-----/400	1.5	0.1	4	-----	0 to +70	1.10	.94	.81
511-ST232BD	ST232BD	SO-16	5.0	2	2	-----/400	1.5	0.1	4	-----	-40 to +85	1.30	1.11	.96
511-ST232BW	ST232BW	SO-16L	5.0	2	2	-----/400	1.5	0.1	4	-----	-40 to +85	1.40	1.19	1.04
511-ST232CD	ST232CD	SO-16	5.0	2	2	-----/400	1.5	0.1	4	-----	0 to +70	1.30	1.11	.96
511-ST232CW	ST232CW	SO-16L	5.0	2	2	-----/400	1.5	0.1	4	-----	0 to +70	1.30	1.11	.96
511-ST232EBD	ST232EBD	SO-16	5.0	2	2	-----/400	1.5	0.1	4	-----	-40 to +85	1.30	1.11	.98
511-ST232ECD	ST232ECD	SO-16	5.0	2	2	-----/400	1.5	0.1	4	-----	0 to +70	1.30	1.11	.98
511-ST232EBW	ST232EBW	SO-16L	5.0	2	2	-----/400	1.5	0.1	4	15kV	-40 to +85	1.30	1.11	.96
511-ST232ECW	ST232ECW	SO-16L	5.0	2	2	-----/400	1.5	0.1	4	-----	0 to +70	1.30	1.11	.96
511-ST75185CD	ST75185CD	SO-20	5.0	3	5	120/200	30	-----	-----	-----	0 to +70	.85	.60	.60
511-ST207EAD	ST207EAD	SO-24	5.0	5	3	-----300	11	0.1	4	15kV	-40 to +125	2.40	2.04	1.80
511-ST207ECP	ST207ECPR	SSOP-24	5.0	5	3	-----300	11	0.1	4	15kV	0 to +70	1.70	1.45	1.28
Thru Hole														
511-ST3232EBN	ST3232EBN	DIP-16	3.0	2	2	-----/250	0.3	0.1	4	15kV	-40 to +85	2.60	2.21	1.95
511-ST202EBN	ST202EBN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	15kV	-40 to +85	1.61	1.08	.71
511-ST202ECN	ST202ECN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	15kV	0 to +70	1.30	1.11	.96
511-ST232ABN	ST232ABN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	-----	-40 to +85	1.39	.93	.61
511-ST232ACN	ST232ACN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	-----	0 to +70	1.76	1.17	.78
511-ST232BN	ST232BN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	-----	-40 to +85	1.30	1.11	.96
511-ST232CN	ST232CN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	-----	0 to +70	1.30	1.11	.96
511-ST75C185CN	ST75C185CN	DIP-20	5.0	3	5	120/230	0.95	-----	-----	10kV	0 to +70	1.02	.87	.77
511-ST232EBN	ST232EBN	DIP-16	5.0	5	5	-----/400	5	1	4	15kV	-40 to +85	1.99	1.33	.80
511-ST232ECN	ST232ECN	DIP-16	5.0	5	5	-----/400	5	1	4	15kV	0 to +70	1.30	1.11	.96

RS-422

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	# of Drivers	# of Rcvrs	Output State	ICC (Typ) (mA)	VOL (Min) (V)	VOL (Max) (V)	Prop.Delay In-out (typ)(ns)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount														
511-ST26C31BD	ST26C31BD	SO-16	5.0	4	-----	Tri-State	0.8	2.5	0.5	6	-40 to +85	.82	.63	.53
511-ST26C32ABD	ST26C32ABD	SO-16	5.0	-----	4	Tri-State	16	3.8	0.3	19	-40 to +85	.82	.63	.53
Thru Hole														
511-ST26C31BN	ST26C31BN	DIP-16	5.0	4	-----	Tri-State	0.8	2.5	0.5	6	-40 to +85	1.08	.65	.44
511-ST26C32ABN	ST26C32ABN	DIP-16	5.0	-----	4	Tri-State	16	3.8	0.3	19	-40 to +85	1.08	.65	.44

RS-485

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	# of Drivers	# of Rcvrs	Output State	ICC (Typ) (mA)	VOL (Min) (V)	VOL (Max) (V)	Prop.Delay In-out (typ)(ns)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount														
511-ST485EBD	ST485EBD	SO-8	5.0	1	1	-----	0.3	3.5	0.4	30	-40 to +85	2.90	2.47	2.02
511-ST485BD	ST485BD	SO-8	5.0	1	1	-----	0.3	3.5	0.4	30	-40 to +85	1.44	1.22	1.08
511-ST485ERBD	ST485ERBD	SO-8	5.0	1	1	-----	0.3	3.5	0.4	30	-40 to +85	3.50	2.98	2.44
511-ST485CD	ST485CD	SO-8	5.0	1	1	-----	0.3	3.5	0.4	30	0 to +70	1.90	1.62	1.43
511-ST485ECD	ST485ECD	SO-8	5.0	1	1	-----	0.3	3.5	0.4	30	-40 to +85	2.60	2.21	1.95
Thru Hole														
511-ST485EBN	ST485EBN	DIP-8	5.0	1	1	-----	0.3	3.5	0.4	30	-40 to +85	1.61	1.08	.71
511-ST485BN	ST485BN	DIP-8	5.0	1	1	-----	0.3	3.5	0.4	30	-40 to +85	1.30	1.11	.98
511-ST485CN	ST485CN	DIP-8	5.0	1	1	-----	0.3	3.5	0.4	30	0 to +70	1.90	1.62	1.43
511-ST75C176BN	ST75C176BN	DIP-8	5.0	1	1	-----	0.4	-----	-----	30	-40 to +85	2.10	1.79	1.58

LVDS (Low Voltage Differential Signaling)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	# of Drivers	# of Rcvrs	Data Rate (Typ) (kbps)	ICC (Max)(mA) disabled	ICC (Max)(mA) enabled	tPLH (Max) (ns)	tPHL (Max) (ns)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount														
511-STLVDS32BD	STLVDS32BD	SO-16	3.3	-----	4	-----/400	1.5	18	2	2.5	-40 to +85	2.50	1.90	1.63

SCSI Terminator

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Voltage Relative To GND (V)	Term. Power Volt. Max.(V)	Term. Power Curr. Max.(mA)	Power Down Curr(uA)	Out-put Volt (V)	Drop-out Volt (V)	Line Reg Max.(%)	Load Reg Max.(%)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount														
511-ST21S07ACW	ST21S07ACW	SO-16L	-1 to 7	5.5	250	150	2.85	0.75	2	3	0 to 70	2.52	2.14	1.89

USB

NEW FROM SUPPLIER

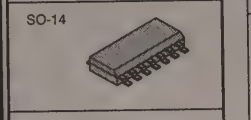
For quantities of 1000 and up, call for quote.

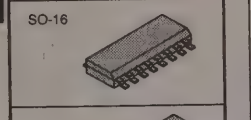
MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage Range (V)	Output Curr.Limit Max.(A)	Quiescent Sup. Curr. Max.(uA) On	Quiescent Sup. Curr. Max.(uA) Off	Turn On Time (Typ)(uS)	TurnOff Time (Typ)(uS)	On-Resist. (Max.) 4.5V	On-Resist. (Max.) 3.0V	Temp. Range (°C)	Price Each 1	100	500
Surface Mount														
511-ST2042BD	ST2042BD	SO-8	-0.3 to 6.0	1.3	20	40	120	-----	145	-----	-40 to +85	1.80	1.20	.80
511-ST2042BDR	ST2042BDR	SO-8	-0.3 to 6.0	1.3	20	40	120	-----	145	-----	-40 to +85	1.54	1.02	.68
511-ST2044BD	ST2044BD	SO-16	-0.3 to 6.0	1.3	20	40	120	-----	145	-----	-40 to +125	1.80	1.20	.80
511-ST2044BDR	ST2044BDR	SO-16	-0.3 to 6.0	1.3	20	40	120	-----	145	-----	-40 to +125	1.54	1.02	.68
511-ST2052BDR	ST2052BDR	SO-8	-0.3 to 6.0	1.3	20	40	120	-----	145	-----	-40 to +125	1.54	1.02	.68
511-ST2054BD	ST2054BD	SO-16	-0.3 to 6.0	1.3	20	40	120	-----	145	-----	-40 to +125	1.80	1.20	.80
511-ST2054BDR	ST2054BDR	SO-16	-0.3 to 6.0	1.3	20	40	120	-----	145	-----	-40 to +125	1.54	1.02	.68
511-ST890BD	ST890BD	SO-8	-0.5 to 6.0	1.2	25	1	25	2	120	130	-40 to +85	2.00	1.70	1.50
511-ST890CD	ST890CD	SO-8	-0.5 to 6.0	1.2	25	2	-----	120	-----	130	0 to +70	1.88	1.60	1.41

STMICROELECTRONICS Drivers and Receivers

STMicroelectronic

SO-8


SO-14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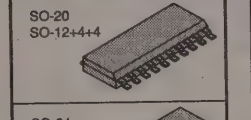
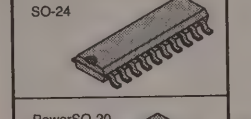
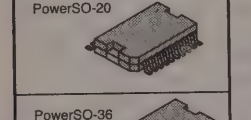
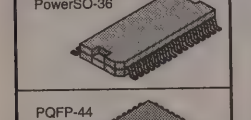
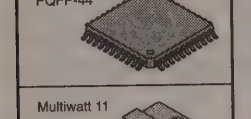
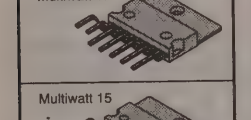

SO-20
SO-12+4+4

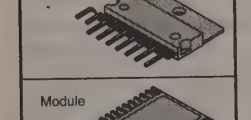

SO-24

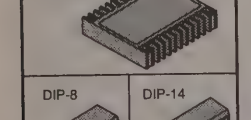

PowerSO-20


PowerSO-36


PQFP-44


Multiwatt 11

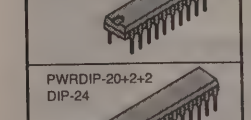

Multiwatt 15

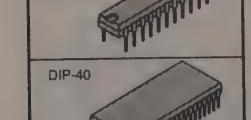

Module

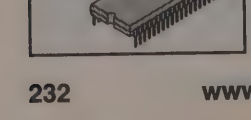
DIP-8

DIP-14

PWRDIP-12+2+2
DIP-16


PWRDIP-16+2+2
DIP-20


PWRDIP-20+2+2
DIP-24


DIP-40

STMICROELECTRONICS DRIVERS

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage (V)	Supply Current Typ./Max (mA)	Drivers Per Pack.	Propagation Delay Time Typ/Max (ns)	Temp. Range (°C)	Price Each 1	100	50
Surface Mount											
511-STP16C596MTR	STP16C596MTR	SO-24	16-bit const. curr. LED sink driver	0 to 7.0	5.7/7.7	-----	----/----	-40 to +125	2.52	1.76	1.
511-L6384D	L6384D	SO-8	High voltage half bridge driver	-0.3 to 14.6	---/25	1	200/300	-45 to +120	4.05	2.62	2.
511-STM86312	STM86312	PQFP-44	1/4-1/11 duty VFD controller/driver	0.5 to 40	---/1000	-----	----/300	-40 to +85	2.70	1.75	1.
511-TD310ID	TD310ID	SO-16	Triple IGBT/MOS driver	4 to 16	---/2	3	200/400	-40 to +125	1.70	1.45	1.
511-L6506D	L6506D	SO-20	Current controller for stepping motor	4.5 to 7	---/25	1	----/----	-40 to +150	5.18	3.36	2.
511-TS482ID	TS482ID	SO-8	Headphone driver	6	---/7.2	2	----/----	-40 to +85	.48	.41	.
511-L6569AD	L6569AD	SO-8	High voltage half bridge driver	10 to 16.6	----'25	1	----/----	-40 to +125	1.70	1.45	1.
511-L297D	L297D	SO-20	Stepper motor controller driver	10	---/80	4	----/----	-40 to +150	6.20	5.13	4.
511-MC1488D	MC1488D1	SO-14	RS-232C quad line driver	15	-2.5 to 12	4	275/350	0 to +75	.28	.24	.
511-L6385D	L6385D	SO-8	High voltage high & low side driver	17	---/---	1	----/----	-45 to +125	2.91	2.03	1.
511-TD350IDT-TR	TD350IDT	SO-14	Advanced IGBT/MOSFET driver	28	---/1000	1	----/----	-40 to +125	2.61	1.82	1.
511-TD351ID-TR	TD351IDT	SO-8	Advanced IGBT/MOSFET driver	28	---/1000	1	----/----	-40 to +125	1.80	1.26	.
511-E-L293DD	E-L293DD	SO-12+4+4	Push-pull DTL/TTL comp. driver	36	---/1.2	4	----/----	-40 to +150	2.97	1.92	1.
511-L6258E	L6258E	PowerSO-36	DMOS universal motor driver	45	---/15	2	----/----	-55 to +150	9.00	7.46	5.
511-L6219DS	L6219DS	SO-24	Stepper motor driver	46	8/15	2	----/----	-40 to +150	3.11	2.01	1.
511-L298P	L298P	PowerSO-20	Dual full bridge driver	50	---/4	2	----/----	-40 to +150	4.86	3.15	2.
511-L6201	L6201	SO-20	DMOS full bridge driver	52	---/5	1	----/----	-40 to +150	8.56	6.17	4.
511-L6201PS	L6201PS	PowerSO-20	DMOS full bridge driver	52	---/5	1	----/----	-40 to +150	8.79	6.34	4.
511-L6234PD	L6234PD	PowerSO-20	Triple half bridge for motor driver	52	6.5/---	3	----/----	-40 to +150	9.00	7.46	5.
511-L6235PD	L6235PD	PowerSO-36	Three-phase brushless DC motor	52	5/10	1	----/----	-40 to +150	14.00	9.80	9.
511-L6205PD	L6205PD	PowerSO-20	DMOS full bridge driver	52	---/10	2	----/----	-40 to +150	10.10	7.07	6.
511-L6206PD	L6206PD	PowerSO-36	DMOS full bridge driver	52	5/10	2	----/----	-40 to +150	10.94	7.65	7.
511-L6206D	L6206D	SO-24	DMOS full bridge driver	52	---/10	2	----/----	-40 to +150	9.66	6.97	5.
511-L6235D	L6235D	SO-24	Three-phase brushless DC motor	52	5/10	3	----/----	-40 to +150	13.34	9.33	8.
511-L6207PD	L6207PD	PowerSO-36	DMOS full bridge driver	52	---/7000	2	----/----	-40 to +150	11.40	7.98	7.
511-L6208PD	L6208PD	PowerSO-36	DMOS stepper motor driver	52	---/2800	2	----/----	-40 to +150	14.22	9.95	9.
511-L6208D	L6208D	SO-24	DMOS stepper motor driver	52	---/2800	2	----/----	-40 to +150	13.30	9.31	8.
Thru Hole											
511-TD310IN	TD310IN	DIP-16	Triple IGBT/MOS driver	4 to 16	---/2	3	200/400	-40 to +125	1.88	1.60	1.
511-TDA0161DP	TDA0161DP	DIP-8	Proximity detectors	4 to 35	10/12	1	----/----	-55 to +150	2.16	1.69	1.
511-L6506	L6506	DIP-18	Current controller for stepping motor	4.5 to 7	---/25	1	----/----	-40 to +150	3.60	3.06	2.
511-M5451B7	M5451B7	DIP-40	LED display driver (35 outputs)	4.75 to 13.2	---/7	1	----/----	-25 to +85	2.60	2.21	1.
511-M5481B7	M5481B7	DIP-20	LED display driver (2-digit, 14 seg)	4.75 to 13.2	---/7	1	----/----	-25 to +85	2.30	1.96	1.
511-TEA3717DP	TEA3717DP	PWRDIP-12+2+2	Stepper motor driver	5	---/25	1	----/----	0 to +70	1.70	1.45	1.
511-L6220	L6220	PWRDIP-12+2+2	Quad darlington switch	5.5	1.8	4	----/----	-40 to +150	1.84	1.56	1.
511-L297	L297/1	DIP-20	Stepper motor controller driver	10	---/80	4	----/----	-40 to +150	6.10	5.05	3.
511-GS-D200S	GS-D200S	Module	Stepper motor driver module	12 to 40	---/2.5	1	----/----	-25 to +85	57.50	48.88	43.
511-MC1488P	MC1488P	DIP-14	RS-232C quad line driver	15	-2.5 to 12	4	275/350	0 to +75	.28	.24	.
511-L149V	L149V	Pentawatt	General purpose power booster	+/- 20	---/0.4	1	----/----	-40 to +150	2.10	1.79	1.
511-TD351IN	TD351IN	DIP-8	Advanced IGBT/MOSFET driver	28	---/1000	1	----/----	-40 to +125	1.80	1.26	.
511-L293D	L293D	PWRDIP-12+2+2	Push-pull DTL/TTL compatible driver	36	---/1.2	4	----/----	-40 to +150	2.00	1.70	1.
511-L292	L292	Multiwatt-15	Switch-mode driver	36	---/2	1	----/----	-40 to +150	5.95	4.30	3.
511-L293B	L293B	DIP-16	Push-pull TTL compatable driver	36	---/2	4	----/----	-40 to +150	2.97	1.92	1.
511-L293E	L293E	PWRDIP-16+2+2	Push-pull TTL compatible driver	36	---/2	4	----/----	-40 to +150	2.20	1.87	1.
511-L6219	L6219	PWRDIP-20+2+2	Stepper motor driver	46	8/15	1	----/----	-55 to +150	2.30	1.96	1.
511-L6202	L6202	PWRDIP-12+3+3	DMOS full bridge driver	48	10/15	2	----/----	-40 to +150	8.63	6.22	4.
511-L6204	L6204	PWRDIP-16+2+2	DMOS full bridge driver	48	---/500	2	----/----	-40 to +150	8.90	7.46	5.
511-PBL3717A	PBL3717A	PWRDIP-12+2+2	Bipolar stepper motor driver	50	---/1	1	----/----	0 to +70	1.60	1.36	.
511-L295	L295	Multiwatt-15	Dual switch-mode solenoid driver	50	---/2.5	2	----/----	-40 to +150	6.50	5.38	3.
511-L294	L294	Multiwatt-11	Switch-mode solenoid driver	50	---/4	1	----/----	-40 to +150	3.68	3.13	2.
511-L298HN	L298HN	Multiwatt-15	Dual full bridge driver	50	---/4	2	----/----	-40 to +150	4.60	3.91	2.
511-L298	L298N	Multiwatt-15	Dual full bridge driver	50	---/4	2	----/----	-40 to +150	4.19	2.71	1.
511-TDE1767DP	TDE1767DP	DIP-8	Relay, lamp & stepping motor driver	50	5.8/8	1	----/----	-25 to +85	5.08	4.32	3.
511-TDE1798DP	TDE1798DP	DIP-8	Intelligent switch driver	50	6.5/8	1	----/----	-25 to +85	5.56	4.73	3.
511-L6203	L6203	Multiwatt-11	DMOS full bridge driver	52	---/5	1	----/----	-40 to +150	11.27	8.13	5.
511-L6205N	L6205N	PWRDIP-16+2+2	DMOS full bridge driver	52	---/10	2	----/----	-40 to +150	10.88	7.85	5.
511-L6208N	L6208N	PWRDIP-16+2+2	Bipolar stepper motor driver	52	---/10	2	----/----	-40 to +150	14.00	11.90	10.
511-L6235N	L6235N	PWRDIP-20+2+2	Three-phase brushless DC motor	52	5/10	1	----/----	-40 to +150	13.34	11.34	10.
511-L6234	L6234	PWRDIP-16+2+2	Triple half bridge for motor driver	52	6.5/---	3	----/----	-40 to +150	10.35	7.47	5.
511-L6574	L6574	DIP-16	CFL/TL ballast driver for preheat/dimming	10 to VCL	---/25	1	----/----	-40 to +150	2.81	1.82	1.

STMICROELECTRONICS RECEIVERS

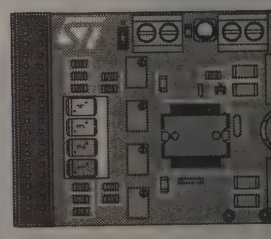
For quantities of 1000 and up, call for q

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage (V)	Supply Current Max (mA)	Recvrs Per Pack.	Propagation Delay Time Typ/Max (ns)	Temp. Range (°C)	Price Eac 1	100
Surface Mount										
511-MC1489D	MC1489D1	SO-14	RS-252C quad line receiver	10	26	4	25/50	0 to +75	.28	.24
Thru Hole										
511-MC1489AP	MC1489AP	DIP-14	RS-232C quad line receiver	10	26	4	25/50	0 to +75	.28	.24
511-MC1489P	MC1489P	DIP-14	RS-232C quad line receiver	10	26	4	25/50	0 to +75	.28	.24

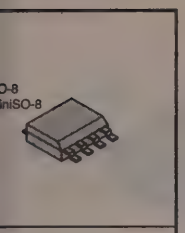
STMICROELECTRONICS EVALUATION BOARDS

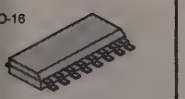
With these evaluation board you'll be able to evaluate these devices when driving a three phase brushless DC motor with three hall-effect sensors. Screw connectors provide connection to motor supply rail and 5 V reference for the logic inputs, as well as the four outputs to motor windings. They can also be hooked-up to PractiSPIN interface board (EVALpractiSPIN) through a 34-pin connector. They can also be run also in stand-alone mode: four on board switches are used to select direction of the rotation, enable and disable braking or choosing to run in torque or speed mode.

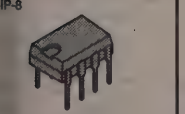
NEW FROM SUPPLIER

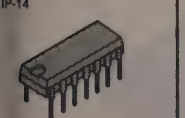


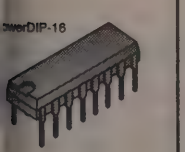
MOUSER STOCK NO.	STM Part No.	Description	Price Each 1-99
511-EVAL6206PD	EVAL6206PD	For L6209PD full bridge driver	35.00
511-EVAL6208PD	EVAL6208PD	For L6208PD stepper motor driver	35.00
511-EVAL6235N	EVAL6235N	For L6235N three-phase brushless DC motor driver	28.00
511-EVALPRACTISPIN	EVALPRACTISPIN	Connects above evaluations boards to PC thru a RS-232 connector and flat cable	49.00











STMICROELECTRONICS TELECOM ICS

NEW FROM SUPPLIER

Electronic Two-Tone Ringer

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage Max. (V)	Activation Voltage Max. (V)	Sustaining Voltage Max. (V)	Current Consumption w/o load Max. (mA)	Sweep Freq. Typ. (Hz)	Output Freq. Min/Max (kHz) f1	Output Freq. Min/Max (kHz) f2	Temp. Range (°C)	Price Each 1	Price Each 100	Price Each 500
Surface Mount													
511-LS1240AD1	LS1240AD1	SO-8	26.0	13.5	9.3	1.8	7.5	1.74/2.14	1.22/1.6	-40 to +70	.90	.77	.68

Phone Set Trunk Interface

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Line Voltage Max. (V)	On-Off Hook Curr. Max. (mA)	Off-On Hook Curr. Max. (mA)	Send/Receive Distortion Max. (%)	Line Current Max. (mA)	Total Power Dissipation Max. (mW)	Temp. Range (°C)	Price Each 1	Price Each 100	Price Each 500
Thru Hole												
511-L3845B	L3845B	DIP-8	12.0	9.5	9.2	2	150	800	-40 to +70	1.60	1.36	1.20

STMICROELECTRONICS TIMERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Sup. Volt. Max. (V)	Supply Current Max. (mA)	Low Level Output Voltage Typ/Max(V)	High Level Output Voltage Typ. (V)	Output Rise Time Typ/Max(ns)	Output Fall Time Typ/Max(ns)	Price Each 1	Price Each 100	Price Each 500
Surface Mount												
511-TS555CD	TS555CD	SO-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/----	20/----	.89	.53	.36
511-TS555IP	TS555IPT	TSSOP-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/----	20/----	.90	.54	.37
511-TS555ID	TS555ID	SO-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/----	20/----	.70	.42	.29
511-SA555D	SA555D	SO-8	Single general purpose	18	6	0.1/0.25	12.5	100/300	100/300	.34	.29	.26
511-NE555D	NE555D	SO-8	Single general purpose	18	15	0.1/0.25	12.5	100/300	100/300	.51	.28	.16
511-TS556CD	TS556CD	SO-14	Dual CMOS low power	18	0.4	0.1/0.3	1.9	25/----	20/----	.89	.53	.36
511-TS556ID	TS556ID	SO-14	Dual CMOS low power	18	0.4	0.1/0.3	1.9	25/----	20/----	1.23	.81	.53
511-SA556D	SA556D	SO-14	Dual general purpose	18	12	0.1/0.25	12.5	100/300	100/300	.44	.37	.33
511-NE556D	NE556D	SO-14	Dual general purpose	18	30	0.1/0.25	12.5	100/300	100/300	.36	.31	.23
Thru Hole												
511-TS555CN	TS555CN	DIP-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/----	20/----	.76	.45	.31
511-TS555IN	TS555IN	DIP-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/----	20/----	.72	.43	.30
511-TS3V555IN	TS3V555IN	DIP-8	Single low power	18	0.23	0.1/0.3	2.9	25/----	20/----	.40	.34	.30
511-SA555N	SA555N	DIP-8	Single general purpose	18	6	0.1/0.25	12.5	100/300	100/300	.77	.46	.31
511-NE555N	NE555N	DIP-8	Single general purpose	18	15	0.1/0.25	12.5	100/300	100/300	.55	.26	.16
511-TS556CN	TS556CN	DIP-14	Dual CMOS low power	18	0.4	0.1/0.3	1.9	25/----	20/----	.54	.46	.41
511-TS556IN	TS556IN	DIP-14	Dual CMOS low power	18	0.4	0.1/0.3	1.9	25/----	20/----	1.08	.65	.44
511-SA556N	SA556N	DIP-14	Dual general purpose	18	12	0.1/0.25	12.5	100/300	100/300	.44	.37	.33
511-NE556	NE556N	DIP-14	Dual general purpose	18	30	0.1/0.25	12.5	100/300	100/300	.55	.33	.21

STMICROELECTRONICS VERTICAL & DEFLECTION CIRCUITS

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	Flyback Peak Voltage (V)	Output Peak Current (A)	Supply Current Typ. (mA)	Power Dissipation Max. (W)	Peak-to-Peak Output Noise Typ/Max (mV/pp)	Price Each 1	Price Each 100	Price Each 500
Thru Hole											
511-TDA1175P	TDA1175P	PowerDIP-16	35	60	2	140	4.3	18/30	2.20	1.87	1.65
511-TDA1771	TDA1771	SIP-10	30	65	6	140	9	---/---	2.70	2.30	2.03

STMICROELECTRONICS VOLTAGE & CURRENT CONTROLLERS

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Volt. (Max) (V)	Input Curr. (Max) (mA)	Input Bias Current Typ.(nA)	Operating Temp. (°C)	Reference Voltage (Min/Typ/Max) (V)	Price Each 1	Price Each 100	Price Each 500
Surface Mount											
511-TSM1051CD	TSM1051CD	SO-8	Constant voltage & current controllers	14	2	50	0 to +85	- - - -/- - - -/- - -	1.01	.67	.44
511-TSM1012AID-TR	TSM1012AIDT	SO-8	Dual op amp & voltage reference	28	0.18	150	-40 to +105	1.244/1.25/1.256	1.30	1.11	.98
511-TSM1014AID-TR	TSM1014AIDT	SO-8	Dual op amp & voltage reference	28	0.18	150	-40 to +105	1.244/1.25/1.256	1.30	1.11	.98
511-TSM1011AID-TR	TSM1011AIDT	SO-8	Dual op amp & voltage reference	28	1	150	0 to +105	2.532/2.545/2.557	.72	.61	.54
511-TSM1011AIS	TSM1011AIST	MiniSO-8	Dual op amp & voltage reference	28	1	150	0 to +105	2.532/2.545/2.557	.72	.61	.54
511-TSM1013AID-TR	TSM1013AIDT	SO-8	Dual op amp & voltage reference	28	1	150	0 to +105	2.532/2.545/2.557	1.30	1.11	.98
511-TSM109AIDT	TSM109AIDT	SO-8	Dual op amp & dual comparator	36	1	25	-40 to +105	- - - -/- - - -/- - -	1.58	1.05	.69
511-TSM103ID	TSM103ID	SO-8	Dual op amp & volt. ref.	36	1.2	20	-55 to +125	2.475/2.50/2.525	.56	.48	.42
511-TSM102AID	TSM102AID	SO-16	Dual op amp/comparator & volt. ref.	36	1.5	100	-40 to +125	2.49/2.50/2.51	.70	.60	.53
511-TSM102ID	TSM102ID	SO-16	Dual op amp/comparator & volt. ref.	36	1.5	100	-40 to +125	2.475/2.50/2.525	1.28	.85	.56
511-TSM101ACD	TSM101ACD	SO-8	Dual op amp/comparator & volt. ref.	36	1	-300	-20 to +80	1.227/1.24/1.252	.62	.53	.47
511-TSM101AID	TSM101AID	SO-8	Dual op amp/comparator & volt. ref.	36	1	-300	-40 to +105	1.227/1.24/1.252	.62	.53	.47
511-TSM101CD	TSM101CD	SO-8	Dual op amp/comparator & volt. ref.	36	1	-300	-20 to +80	1.21/1.24/1.27	.62	.53	.47
511-TSM101ID	TSM101ID	SO-8	Dual op amp/comparator & volt. ref.	36	1	-300	-40 to +105	1.21/1.24/1.27	.62	.53	.47
511-TSM104ID	TSM104ID	SO-16	Quad op amp & programmable volt. ref.	36	2.4	20	-55 to +125	2.475/2.50/2.525	.66	.56	.50
511-TSM111CD	TSM111CD	DIP-8	3.3/5.0/12V over volt./curr.protection	44	10	- - - - -	0 to +70	2.46/2.5/2.54	1.10	.94	.83
511-TSM108ID	TSM108ID	SO-14	Two op amps, PWM generator & PMOS driver	60	7	- -	-55 to +125	- - - -/- - - -/- - -	.72	.61	.54
Thru Hole											
511-TSM221IN	TSM221IN	DIP-8	Dual op amp & dual comparator	18	50	1000	-40 to +125	- - - -/- - - -/- - -	1.36	1.16	1.02
511-TSM112CN	TSM112CN	DIP-14	3.3/5.0/12V over/under voltage/current protection	25	5	- - - - -	0 to +85	2.46/2.5/2.54	.96	.82	.72
511-TSM101CN	TSM101CN	DIP-8	Dual op amp/comparator & volt. ref.	36	1	-300	-20 to +80	1.21/1.24/1.27	.62	.53	.47
511-TSM111CN	TSM111CN	DIP-8	3.3/5.0/12V over voltage/current protection	44	50	- -	0 to +70	2.46/2.5/2.54	1.10	.94	.81

STMICROELECTRONICS Analog Integrated Circuits

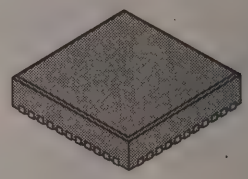
STMicroelectroni

ACCELEROMETERS

The LIS3L02AQ is a low-power three-axis linear accelerometer that includes a sensing element and an IC interface able to take the information from the sensing element and to provide an analog signal to the external world. The sensing element, capable to detect the acceleration, is manufactured using a dedicated process called THELMA (Thick Epi-Poly Layer for Microactuators and Accelerometers) developed by ST to produce inertial sensors and actuators in silicon.
The IC interface instead is manufactured using a CMOS process that allows high level of integration to design a dedicated circuit which is trimmed to better match the sensing element characteristics.
The LIS3L02AQ has a user selectable full scale of 2g, 6g and it is capable of measuring accelerations over a maximum bandwidth of 4.0 KHz for the X and Y axis and 2.5KHz for the Z axis. The device bandwidth may be reduced by using external capacitances.

The LIS3L02AQ belongs to a family of products suitable for a variety of applications:

- Motion activated functions in mobile terminals
- Gaming and Virtual Reality input devices
- Free-fall detection and Data protection
- Antitheft systems and Inertial Navigation
- Appliance Control and Robotics



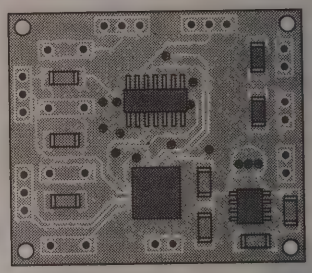
QFN-44

For quantities of 1000 and up, call for qu

MOUSER STOCK NO. / Mfr. / Mfr. Part No.	Package Type	Description	Axes	Resolution (mg)	Resolution Bandwidth	Supply Voltage (V)	Supply Current Typ/Max (mA)	Sensing Element Resonant Freq. (X, Y/Z)(Max)(kHz)	Price Each 1	Price Each 100	Price Each 500
Surface Mount											
511—LIS3L02AQ	QFN-44	3 Axis - 2g/6g linear accelerometer	X, Y, Z	0.5	100 Hz	2.4 to 3.6	0.85/1.5	4.8/3.2	19.90	16.92	14.93

ACCELEROMETER EVALUATION BOARD

The EK3L02AQ will help you in evaluating the LIS3L02AQ MEMS accelerometers in QFN package with the analog output. It implements a typical application composed by the accelerometer and the Rail to Rail precision Buffer TS924. The Supply voltage is generated through a LE00AB/C voltage regulator, it manages the correct power supply allowed by the LIS3L02AQ product.



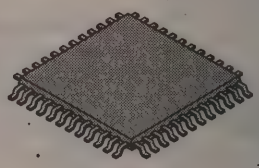
MOUSER STOCK NO. / Mfr. / Mfr. Part No.	Description	Price Each 1-99
511—EK3L02AQ	For LIS3L02AQ MEMS accelerometer	52.00

ANALOG TO DIGITAL CONVERTERS

These dual-channel, 12-bit analog-to-digital converter (ADC) chips that combine high performance and extremely low power consumption, achieving the industry's highest ratio of speed-to-power consumption The TSA1203 performs 40 million samples per second (MSPS) while consuming just 230mW. The TSA1204 runs at 20MSPS while consuming only 120mW. By using multiplexed outputs, the TSA1203 and TSA1204 propel STMicroelectronics' data-conversion product line into the twin-channel ADC arena while keeping the package size to a space-saving 48-pin thin quad flat pack (TQFP) of single-channel units.

Features:
- Internal voltage reference that reduces component count
- Proprietary track-and-hold circuit featuring a 1GHz input bandwidth
- Common clock signal for both channels; selectable I or Q channels
- 2.5V supply voltage with 3.3V-compatible I/O signals
- 2Vp-p differential or single-ended analog inputs, tristate outputs, and good channel isolation.

Applications:
- Medical imaging and ultrasound equipment
- 3G base stations and other digital telecom infrastructure equipment
- In-phase and quadrature signal processing
- High speed data acquisition
- Portable instrumentation products



TQFP48

For quantities of 1000 and up, call for q

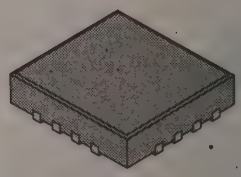
MOUSER STOCK NO. / Mfr. / Mfr. Part No.	Package Type	Channels	Resolution (Bits)	Sample Rate (MSPS)	SFDR @ Fin = 10MHz Typ. (dBc)	DNL (Max) (LSB)	INL (Max) (LSB)	Power Consumption Typ. (mW)	Supply Voltage (V)	Price Each 1	Price Each 100	Price Each 500
Surface Mount												
511—TSA1204IFT	TQFP-48	2	12	20	- 81.5	+ 0.93	+ 1.8	120	2.25 to 2.7	25.20	21.42	18.9
511—TSA1203IF	TQFP-48	2	12	40	- 68.3	+/- 0.52	+/- 3	230	2.25 to 2.7	37.80	32.13	28.3

ANALOG SWITCHES

These high-speed analog S.P.D.T. switches are fabricated in silicon gate C2MOS technology. They are designed to operate from 1.65V to 4.3V, making them ideal for portable applications. They offer very low ON-Resistance. The nIN inputs are provided to control the switches. The switches nS1 are ON (they are connected to common Ports Dn) when the nIN input is held low and OFF (high impedance state exists between the two ports) when IN is held high.

Features:
- Fast switching speed
- Break Before Make Delay Time
- Ultra Low Power Consumption
- Inputs and outputs are equipped with protection circuits against static discharge, giving them ESD immunity and transient excess voltage.

Applications:
- High-end mobile phones
- Notebooks
- PDAs
- Camcorders
- Sound-cards



VFQFPN-16

For quantities of 1000 and up, call for

MOUSER STOCK NO. / Mfr. / Mfr. Part No.	Package Type	Channels	Type	Switch ON Resistance (Max)(Ω) @ VCC 4.3	3.0	2.7	2.3	1.8	1.7	Turn-On Time (Max) (ns)	OFF State Leakage Current (LSB)	Charge Injection Typ. (pC)	Supply Voltage (V)	Price Each 1	Price Each 100	Price Each 50
Surface Mount																
511—STG3680QTR	VFQFPN-16	2	SPDT	0.8	0.8	0.8	2.0	4.0	4.0	50	+/-10	200	1.65 to 4.3	1.31	.88	
511—STG3690QTR	VFQFPN-16	4	SPDT	-----	0.5	0.5	0.8	3.0	3.0	50	+/-10	200	1.65 to 3.6	1.31	.88	

STMICROELECTRONICS Analog Integrated Circuits

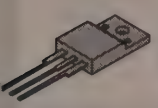
STMicroelectronics

ELECTRONIC IGNITION DRIVERS

The VB921ZVFI is a monolithic high voltage integrated circuit made using the STMicroelectronics VIPower M1-2 technology, which combines a vertical current flow power trilinton with a coil current limiting circuit and a collector voltage clamping. The device is particularly suitable for application in high performance electronic car ignition, where coil current limitation and voltage clamping are required.

Features:
- 6 Amp up to 12 Amp coil current drivers
- 400 volt typical clamping voltage
- Built-in protection, current limiting
- Voltage and current flags

For quantities 2000 and up, call for quote.


ISOWATT220AB

MOUSER STOCK NO.	STM Part No.	Package	Input Voltage (V)	High Voltage Clamp (V)	Input Current (Max.)(mA)	Coil Current Limit (A)	Power Dissipation (W)	Power Saturation Voltage (V)	Price Each 1	100	500	1000
Thru-Hole												
511-VB921ZVFI	VB921ZVFI	ISOWATT220AB	4.2 to 5.5	440	10.0	7.5	40	2.5	4.50	3.83	3.14	2.98

SWITCH MODE POWER SUPPLIES

ST's revolutionary VIPer series of off-line switch mode power supply regulators combines an optimized, high voltage, avalanche rugged Vertical Power MOSFET with state-of-the-art PWM circuitry. The result is truly innovative AC to DC conversion that is simpler, quicker and - with component count halved - less expensive. Printers, Scanners, Digital Satellite Receivers, Digital Video Disks, Auxiliary Power Supplies, Battery Chargers, VCRs, TVs, White Goods and a host of other products can now be brought to market in shorter times and at lower cost. In addition to benefits such as adjustable switching frequencies up to 200 kHz, optimized current mode control and comprehensive built-in protection circuits, the VIPer family represents the easiest solution to comply with the "Blue Angel" and "Energy Star" Eco Norms, with extremely low total power consumption from the mains when the system is in stand-by mode.

Features:
- 100W, 50W, 20W, 10W output power
- 1.1 to 30 ohm power output RDS(on)
- 400V, 620V 700V and 730V breakdown voltages
- Avalanche rugged

For quantities 2000 and up, call for quote.

SO-8

PowerSO-10™

MOUSER STOCK NO.	STM Part No.	Package	Suppy Voltage (V)	Drain Source Voltage (V)	Static Drain-Source On State Resist. Max. (Ω)	Cont. Drain Current (A)	Pmax (W)	Typical Rise/Fall Time (ns)	Price Each 1	100	500	1000
Surface Mount												
511-VIPER50SP	VIPER50SP	PowerSO-10	9 to 15	620	5.0	1	50	50/100	3.24	2.10	1.68	1.59
Thru-Hole												
511-VIPER100	VIPER100	Pentawatt	0 to 15	620	2.5	3.0	100	50/100	3.20	2.72	2.23	2.13
511-VIPER100A	VIPER100A	Pentawatt	0 to 15	700	2.8	3.0	100	50/100	3.20	2.72	2.23	2.13
511-VIPER100A(022Y)	VIPER100A(022Y)	Pentawatt	0 to 15	700	2.8	3.0	100	50/100	3.20	2.72	2.23	2.13
511-VIPER12ADIP	VIPER12ADIP	DIP-8	8 to 40	730	30.0	0.36	15	50/100	2.22	1.55	1.11	.99
511-VIPER50A	VIPER50A	Pentawatt	9 to 15	700	5.7	1.5	50	50/100	2.60	2.26	1.81	1.71
511-VIPER50A(022Y)	VIPER50A(022Y)	Pentawatt	9 to 15	700	5.7	1.5	50	50/100	2.70	2.30	1.88	1.78

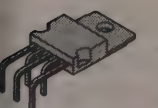
HIGH SIDE DRIVERS

Integrated High Side Drivers offer numerous advantages over the electromechanical relays used in cars today. Diagnostic information output from these devices helps the on-board microprocessor to quickly identify and isolate faults saving repair time and improving safety. ST is promoting VIPower solid-state relays belonging to the latest M0-3 technology, which allow smaller devices with less heat dissipation.

Features:
- Single, Double, Triple or Quadruple Channel
- 40V to 60V breakdown voltage
- 4A to 60A load current

For quantities 2000 and up, call for quote.

PENTAWATT V


PENTAWATT H

MOUSER STOCK NO.	STM Part No.	Package	Operating Supply Voltage (V)	DC Supply Voltage (V)	Static Drain-Source On State Resistance Max. (Ω)	DC Output Current (A)	Power Dissipation (W)	Turn-On/ Turn/Off Delay Time (μs)	Price Each 1	100	500	1000
Surface Mount												
511-VND600SP	VND600SP	PowerSO-10	5 to 36	41	2 X 0.03	25	104	30/30	5.10	4.22	3.32	3.32
511-VN800S	VN800S	SO-8	5.5 to 36	41	1.35	1	4.2	10/40	2.04	1.73	1.41	1.34
511-VN750P	VN750PT	PPAK	5.5 to 36	41	0.06	6	60	40/30	1.92	1.63	1.43	1.28
511-VND830ASP	VND830ASP13TR	PowerSO-10	5.5 to 36	41	2 X 0.06	6	74	30/30	2.64	2.24	1.98	1.82
511-VN920SP	VN920SP	PowerSO-10	5.5 to 36	41	0.015	35	125	50/50	3.86	3.28	2.69	2.55
511-VND860SP	VNQ860SP	PowerSO-10	5.5 to 36	41	4 x 0.27	1	90	10/40	4.52	3.84	3.39	3.12
511-VND05BSP	VND05BSP	PowerSO-10	6 to 26	40	2 x 0.20	9	59	200/250	2.76	2.35	1.92	1.82
511-VND10BSP	VND10BSP	PowerSO-10	6 to 26	40	2 x 0.20	9	59	200/250	3.84	3.26	2.88	2.65
511-VN16BSP	VN16BSP	PowerSO-10	6 to 26	40	0.06	20	82	50/100	3.12	2.65	2.34	2.15
511-VN330SP	VN330SP	PowerSO-10	10 to 36	60	4 x 0.20	1	Int. Limit.	40/30	5.76	4.77	3.74	3.74
511-VN340SP	VN340SP	PowerSO-10	10 to 36	45	4 x 0.20	Int. Limit.	Int. Limit.	100/50	6.62	4.78	3.74	3.74
Thru-Hole												
511-VN02H(011Y)	VN02H(011Y)	Pentawatt H	5 to 36	60	0.4	6	28	10/15	2.18	1.85	1.64	1.51
511-VN750	VN750	Pentawatt V	5.5 to 36	41	0.06	6	60	40/30	1.96	1.67	1.46	1.31
511-VN820	VN820	Pentawatt V	5.5 to 36	41	0.04	9	62.5	30/30	2.28	1.94	1.58	1.50
511-VN920	VN920	Pentawatt V	5.5 to 36	41	0.016	35	90	50/50	3.70	3.15	2.58	2.45
511-VND10B	VND10B	Heptawatt V	6 to 26	40	2 x 0.10	14	75	200/500	3.72	3.16	2.79	2.57
511-VN16B	VN16B	Pentawatt V	6 to 26	40	0.06	20	82	50/100	2.92	2.48	2.19	2.01
511-VN02N	VN02N	Pentawatt V	7 to 26	60	0.4	6	29	10/15	2.06	1.75	1.55	1.43
511-VN05N	VN05N	Pentawatt V	7 to 26	60	0.18	130	56	15/20	2.42	2.06	1.68	1.59

RESET CIRCUITS

These reset curcuits are low-power supervisory devices used to monitor power supplies. They perform a single function; asserting a reset signal whenever the VCC supply voltage drops below a preset value and keeping it asserted until VCC has risen above the preset threshold for a minimum period of time.

Features:
- Two output configurations: Push-pull $\overline{\text{RST}}$ output (STM809/811) Push-pull RST output (STM810/812)
- Precision Monitoring of 3V, 3.3V and 5V supily voltages
- 140ms reset pulse width (min)
- Low supply current - 6uA (typ)
- Lead-free package

For quantities 2000 and up, call for quote.

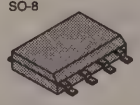
PPAK

SOT-23-3

SOT-143-4

MOUSER STOCK NO.	STM Part No.	Package	Reset Threshold (V)	Device Options: Watch dog Input	Active Low RESET	Active High RESET	Manual RESET Input	Battery Switch Over	Power Fail Comp.	Chip Enab. Gating	Batt. Fresh Seal	VCC Supply Voltage (V)	Operating Temp. Range (°C)	Price Each 1	100	500	1000
Surface Mount																	
511-STM810RWX6F	STM810RWX6F	SOT-23-3	2.63	No	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85	.42	.25	.17	.14
511-STM812RW16F	STM812RW16F	SOT-143-4	2.63	No	No	Yes	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.71	.43	.29	.24
511-STM809RWX6F	STM809RWX6F	SOT-23-3	2.63	No	Yes	No	No	No	No	No	No	1.0 to 5.5	-40 to +85	.47	.28	.18	.15
511-STM811RW16F	STM811RW16F	SOT-143-4	2.63	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.71	.43	.29	.24
511-STM810SWX6F	STM810SWX6F	SOT-23-3	2.93	No	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85	.42	.25	.17	.14
511-STM812SW16F	STM812SW16F	SOT-143-4	2.93	No	No	Yes	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.71	.43	.29	.24
511-STM809SWX6F	STM809SWX6F	SOT-23-3	2.93	No	Yes	No	No	No	No	No	No	1.0 to 5.5	-40 to +85	.47	.28	.18	.15
511-STM811SW16F	STM811SW16F	SOT-143-4	2.93	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.71	.43	.29	.24
511-STM810TWX6F	STM810TWX6F	SOT-23-3	3.08	No	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85	.42	.25	.17	.14
511-STM812TW16F	STM812TW16F	SOT-143-4	3.08	No	No	Yes	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.71	.43	.29	.24
511-STM809TWX6F	STM809TWX6F	SOT-23-3	3.08	No	Yes	No	No	No	No	No	No	1.0 to 5.5	-40 to +85	.47	.28	.18	.15
511-STM811TW16F	STM811TW16F	SOT-143-4	3.08	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.71	.43	.29	.24
511-STM810MWX6F	STM810MWX6F	SOT-23-3	4.38	No	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85	.42	.25	.17	.14
511-STM812MW16F	STM812MW16F	SOT-143-4	4.38	No	No	Yes	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.71	.43	.29	.24
511-STM809MWX6F	STM809MWX6F	SOT-23-3	4.38	No	Yes	No	No	No	No	No	No	1.0 to 5.5	-40 to +85	.47	.28	.18	.15
511-STM811MW16F	STM811MW16F	SOT-143-4	4.38	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.71	.43	.29	.24
511-STM810LWX6F	STM810LWX6F	SOT-23-3	4.63	No	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85	.47	.28	.18	.15
511-STM812LW16F	STM812LW16F	SOT-143-4	4.63	No	No	Yes	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.71	.43	.29	.24
511-STM809LWX6F	STM809LWX6F	SOT-23-3	4.63	No	Yes	No	No	No	No	No	No	1.0 to 5.5	-40 to +85	.47	.28	.18	.15
511-STM811LW16F	STM811LW16F	SOT-143-4	4.63	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.71	.43	.29	.24

SO-8



STMICROELECTRONICS MICROPROCESSOR SUPERVISORS

These ST microprocessor supervisors offer a mix of reset timing for Power-On Reset, Watchdog, Manual Reset Input, and PFI-PFO (Early Power-fail Warning) in 8-pin packages.

Features:
- Push-pull reset outputs
- 150ms reset pulse width (min)
- Manual reset input
- Power-fail comparator (PFI/PFO)
- Low supply current - 40uA (typ)
- Lead-free package

NEW FROM SUPPLIER

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Reset Threshhold (V)	Device Options: Watch -dog Input	Watch -dog Output	Active Low RESET	Active High RESET	Manual RESET Input	Power Fail Comp	Chip Enable Gating	Batt. Fresh Seal	VCC Supply Voltage (V)	Operating Temp. Range (°C)	Price Each 1	100	500
Surface Mount																
511-STM706RM6F	STM706RM6F	SO-8	4.38	No	No	Yes	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.58	1.05	.70
511-STM706SM6F	STM706SM6F	SO-8	4.38	No	No	Yes	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.58	1.05	.70
511-STM706TM6F	STM706TM6F	SO-8	4.38	No	No	Yes	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.58	1.05	.70
511-STM708RM6F	STM708RM6F	SO-8	4.38	No	No	Yes	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.58	1.05	.70
511-STM708SM6F	STM708SM6F	SO-8	4.38	No	No	Yes	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.58	1.05	.70
511-STM708TM6F	STM708TM6F	SO-8	4.38	No	No	Yes	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.58	1.05	.70
511-STM706M6F	STM706M6F	SO-8	4.38	Yes	Yes	Yes	No	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	.92	.78	.69
511-STM706PM6F	STM706PM6F	SO-8	4.38	Yes	Yes	No	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.58	1.05	.70
511-STM707M6F	STM707M6F	SO-8	4.63	No	No	Yes	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.58	1.05	.70
511-STM705M6F	STM705M6F	SO-8	4.63	Yes	Yes	Yes	No	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.74	1.16	.77
511-STM813LM6F	STM813LM6F	SO-8	4.63	Yes	Yes	No	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.58	1.05	.70

TQFP44

STMICROELECTRONICS MICROPROCESSOR SUPERVISORS WITH SWITCHOVER

Microprocessor Supervisors with Switchover from ST offer a mix of reset timing for Power-On Reset, Watchdog, Manual Reset Input, PFI/PFO, Battery Switchover, Chip Enable and Battery Freshness Seal in 8-pin packages.

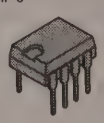
Features:
- Push-pull reset outputs
- 140ms reset pulse width (min)
- Automatic battery switchover
- Power-fail comparator (PFI/PFO)
- Low supply current - 0.4uA (typ)
- Lead-free package

NEW FROM SUPPLIER

For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	STM Part No.	Package Type	Reset Threshhold (V)	Device Options: Watch -dog Input	Watch -dog Output	Active Low RESET	Active High RESET	Manual RESET Input	Power Fail Comp	Chip Enable Gating	Batt. Fresh Seal	VCC Supply Voltage (V)	Operating Temp. Range (°C)	Price Each 1	100	500
Surface Mount																
511-STM690RM6F	STM690RM6F	SO-8	2.625	Yes	Yes	No	No	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.89	1.32	.9
511-STM805RM6F	STM805RM6F	SO-8	2.625	Yes	No	Yes	No	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	2.19	1.53	1.1
511-STM690SM6F	STM690SM6F	SO-8	2.925	Yes	Yes	No	No	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.89	1.32	.9
511-STM690TM6F	STM690TM6F	SO-8	3.075	Yes	Yes	No	No	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.89	1.32	.9
511-STM805TM6F	STM805TM6F	SO-8	3.075	Yes	No	Yes	No	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	2.43	1.70	1.2
511-STM704RM6F	STM704RM6F	SO-8	4.4	No	Yes	No	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.83	1.28	.9
511-STM704SM6F	STM704SM6F	SO-8	4.4	No	Yes	No	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.83	1.28	.9
511-STM704TM6F	STM704TM6F	SO-8	4.4	No	Yes	No	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.83	1.28	.9
511-STM819MM6F	STM819MM6F	SO-8	4.4	No	Yes	No	Yes	Yes	Yes	No	Yes	1.0 to 5.5	-40 to +85	2.10	1.47	1.0
511-STM704M6F	STM704M6F	SO-8	4.4	No	Yes	No	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.83	1.28	.9
511-STM817MM6F	STM817MM6F	SO-8	4.4	Yes	Yes	No	No	Yes	Yes	No	Yes	1.0 to 5.5	-40 to +85	2.43	1.70	1.2
511-STM703M6F	STM703M6F	SO-8	4.65	No	Yes	No	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.83	1.28	.9
511-STM819LM6F	STM819LM6F	SO-8	4.65	No	Yes	No	Yes	Yes	Yes	No	Yes	1.0 to 5.5	-40 to +85	2.10	1.47	1.0
511-STM690AM6F	STM690AM6F	SO-8	4.65	Yes	Yes	No	No	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.89	1.32	.9
511-STM692AM6F	STM692AM6F	SO-8	4.65	Yes	Yes	No	No	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	1.86	1.30	.9
511-STM817LM6F	STM817LM6F	SO-8	4.65	Yes	Yes	No	No	Yes	Yes	No	Yes	1.0 to 5.5	-40 to +85	2.43	1.70	1.2
511-STM805LM6F	STM805LM6F	SO-8	4.65	Yes	No	Yes	No	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	2.19	1.53	1.1

DIP-8



STMICROELECTRONICS MPEG LEVEL 3 (MP3) DECODERS

These fully integrated, high flexibility MPEG Layer III audio decoders are capable of decoding Layer III compressed elementary streams as specified in the MPEG 1 and MPEG 2 ISO standards. These devices can also decode elementary streams compressed by using low sampling rates, as specified by MPEG 2.5. With these decoders, almost anyone who can assemble a PCB can build a solid-state MP3 music player. The only components needed to build an MP3 music player are Flash Memory to store the music, a low-cost microcontroller, a digital-to-analog converter, a small audio power amplifier and a DC-DC converter to power the system.

Features:
- Integrated MP3 decoder solution with DSP core, embedded software, converters and interfaces
- Lowest consumption, typically 85mW at 2.4V decoding a 320kbits/s bitstream
- Compact SO-28 or TQFP-44 packages
- Based on VLIW DSP core specially optimized for audio applications

Applications:
- PC sound cards
- Multimedia players
- Voice recorders

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Power Supply Voltage (V)	Storage Temperature (°C)	Price Each 1	100	5
Surface Mount								
511-STA013T$	STA013T$	TQFP-44	MPEG 2.5 Layer III Audio Decoder	2.7-3.6	-40° to +150°	17.14	14.57	12

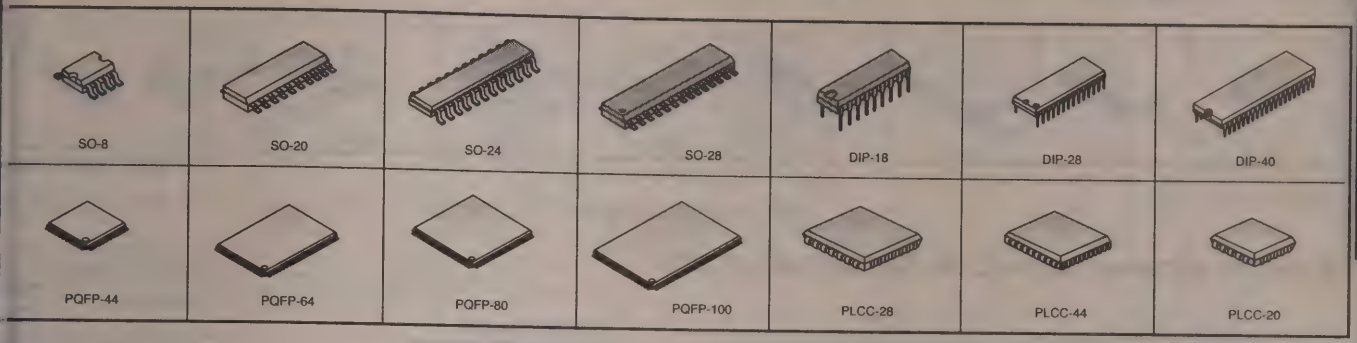
STMICROELECTRONICS DUAL-LOW VOLTAGE POWER AMPLIFIERS

These dual low-voltage power amplifiers are intended for use as a dual audio power amplifier in portable cassette players, radios and CD players.
They can also be used in a solid-state MP3 player (other components required would be MPEG decoder, flash memory, low-cost microcontroller and DC-DC-converter).

Features:
- Supply voltage down to 1.8V
- Low quiescent current
- Low crossover distortion
- Bridge or stereo configuration

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (Min/Max) (V)	Peak Output Current (A)	Total Power Dissipation (W)	Quiescent Drain Curr. (Max)(mA)	Distortion (Typ) (%)	Storage Temp. (°C)	Price Each 1	100	5
Surface Mount											
511—TDA2822D	TDA2822D	SO-8	1.8/15	1	0.5	15	0.2	-40° to +150°	.84	.71	
Thru-Hole											
511—TDA2822M	TDA2822M	DIP-8	1.8/15	1	1	9	0.2	-40° to +150°	.90	.77	



♦ Surface Mount Device

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Output Channel	Output Voltage (V)	Output Current per Channel (mA)	Direction	Logic Configuration	Price Each 1	100	500	1000
Sink Only Outputs – Open Drain N-Channel											
689-HV5522PG	HV5522PG	PQFP-44	32	+220	100	CCW	Serial to parallel converter with latches, polarity and blanking	7.41	6.16	5.69	5.46
689-HV5622PG	HV5622PG	PQFP-44	32	+220	100	CW	Serial to parallel converter with latches, polarity and blanking	7.41	6.16	5.69	5.46
689-HV5122PG	HV5122PG	PQFP-44	32	+225	100	CCW	Serial to parallel converter with output enable and strobe	6.57	5.47	5.05	4.84
689-HV5222PG-G	HV5222PG-G	PQFP-44	32	+225	100	CW	Serial to parallel converter with output enable and strobe	6.67	5.55	5.12	4.91
689-HV5530PG	HV5530PG	PQFP-44	32	+300	100	CCW	Serial to parallel converter with latches, polarity and blanking	8.15	6.78	6.26	6.01
689-HV5630PG	HV5630PG	PQFP-44	32	+300	100	CW	Serial to parallel converter with latches, polarity and blanking	8.15	6.78	6.26	6.01
689-HV3137PG	HV3137PG	PQFP-80	64	+375	1	B	Serial to parallel converter with output enable	14.00	11.64	10.76	10.32
Source Only Outputs – Open Drain P-Channel											
689-HV57009PG	HV57009PG	PQFP-80	64	-85	controllable to -2	B	Current controlled driver with latch and blanking, two 32-bit shift registers	11.23	9.34	8.63	8.27

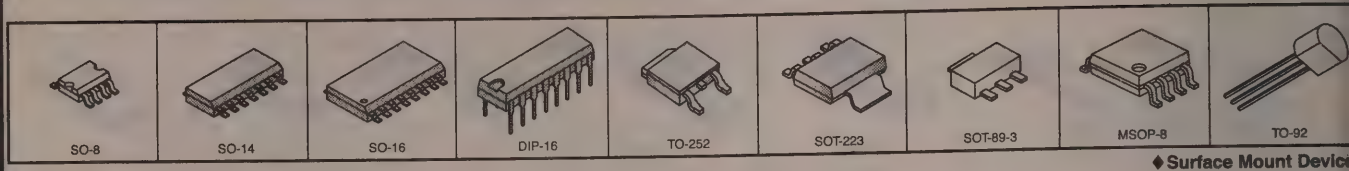
ource / Sink Outputs - Push-Pull

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Output Channel	Output Voltage (V)	Output Current per Channel (mA)	Direction	Logic Configuration	Output Structure	Clock Rate (MHz)	Bits	Outputs On	Price Each 1	100	500	1000
689-HV508LG	HV508LG	SO-8	1	+45 +6	-400 HV +10 LV +400 sink	—	H-bridge output with two output voltage level selections	Push-Pull H -bridge	—	—	—	4.18	3.48	3.21	3.08
689-HV513WG-G	HV513WG-G	SO-24	8	+250	±20	CW	Serial to parallel converter with latches, polarity, blanking, HI-Z and short circuit detect	Push-Pull	8	1	All	3.80	3.16	2.92	2.80
689-HV514WG-G	HV514WG-G	SO-24	8	+250	±20	CW	Serial to parallel converter data latches, channel polarity select & blanking	Push-Pull	8	1	All	3.76	3.13	2.89	2.77
689-HV6810PJ	HV6810PJ	PLCC-20	10	+80	-25 / +100uA	CW	Serial to parallel converter with latches and blanking	Push-Pull	5	1	All	2.00	1.66	1.53	1.47
689-HV6810WG-G	HV6810WG-G	SO-20	10	+80	-25 / +100uA	CW	Serial to parallel converter with latches and blanking	Push-Pull	5	1	All	2.53	2.10	1.94	1.86
689-HV5812P	HV5812P	DIP-28	20	+60	-25 +2	CW	Serial to parallel converter with latches, blanking and strobe	Push-Pull	5	16	All	2.72	2.26	2.09	2.00
689-HV5812PJ-G	HV5812PJ-G	PLCC-28	20	+60	-25 +2	CW	Serial to parallel converter with latches, blanking and strobe	Push-Pull	5	16	All	2.89	2.40	2.22	2.13
689-HV5812WG	HV5812WG	SO-28	20	+60	-25 +2	CW	Serial to parallel converter with latches, blanking and strobe	Push-Pull	5	16	All	2.60	2.16	2.00	1.92
689-HV66PG	HV66PG	PQFP-44	32	+60	±5	B	Serial to parallel converter with latches, polarity, blanking and backplane	Push-Pull	5	1	All	3.61	3.00	2.77	2.66
689-HV9408PJ	HV9408PJ	PLCC-44	32	+80	-20 / +5	CCW	Serial to parallel converter with latches and output enable	Push-Pull	8	1	All	4.98	4.14	3.83	3.67
689-HV9808PJ	HV9808PJ	PLCC-44	32	+80	-20 / +5	CCW	Serial to parallel converter with latches, polarity and blanking, VDD= 5V	Push-Pull	8	1	All	4.98	4.14	3.83	3.67
689-HV518P	HV518P	DIP-40	32	+80	-25 +1	CW	Serial to parallel converter with latches, enable and strobe	Push-Pull	6	1	All	4.67	3.89	3.59	3.44
689-HV518PJ-G	HV518PJ-G	PLCC-44	32	+80	-25 +1	CW	Serial to parallel converter with latches, enable and strobe	Push-Pull	6	1	All	6.44	5.36	4.95	4.75
689-HV9308PJ	HV9308PJ	PLCC-44	32	+80	-20 / +5	CW	Serial to parallel converter with latches and output enable	Push-Pull	8	1	All	4.98	4.14	3.83	3.67
689-HV9708PJ	HV9708PJ	PLCC-44	32	+80	-20 / +5	CW	Serial to parallel converter with latches, polarity and blanking, VDD= 5V	Push-Pull	8	1	All	4.98	4.14	3.83	3.67
689-HV633PG	HV633PG	PQFP-64	32	+80	±7	B	Amplitude modulated gray shade column driver with 128 output levels	Gray Shade Level	12	8	All	24.66	20.51	18.95	18.17
689-HV6008PG	HV6008PG	PQFP-44	32	±40	±15	CW	LCD driver with active return to ground	Positive and negative pulse with return GND	1	1	All	16.97	14.11	13.04	12.50
689-HV6008PJ	HV6008PJ	PLCC-44	32	±40	±15	CW	LCD driver with active return to ground	Positive and negative pulse with return GND	1	1	All	14.50	12.06	11.14	10.68
689-HV7224PG	HV7224PG	PQFP-64	40	+240	±70	B	Serial to parallel converter with polarity, shift and output enable	Push-Pull	3	1	One	14.31	11.90	10.99	10.54
689-HV57708PG-G	HV57708PG-G	PQFP-80	64	+80	-15 +12	B	EL driver with latches, blanking and polarity with four 16-bit shift registers	Push-Pull	6	4	All	10.26	8.53	7.88	7.56
689-HV57908PG	HV57908PG	PQFP-80	64	+80	-15 +12	B	EL or plasma driver w/latches, blanking and polarity, single shift register	Push-Pull	8	1	All	11.15	9.27	8.57	8.22
689-HV3418PG	HV3418PG	PQFP-80	64	+180	±5	B	Serial to parallel converter with latches, polarity and blanking	Push-Pull	6	1	All	24.32	20.22	18.69	17.92
689-HV507PG	HV507PG	PQFP-80	64	+300	±1.0	B	Serial to parallel converter with latches, polarity and blanking	Push-Pull	8	1	All	16.91	14.06	12.99	12.46
689-HV574PG	HV574PG	PQFP-100	80	+80	+15 -30	B	Serial to parallel converter with latches, polarity and blanking	Push-Pull	25	4	All	14.50	12.06	11.14	10.68

SUPERTEX Analog Integrated Circuits

Supertex



♦ Surface Mount Device

SUPERTEX HOTSWAP CONTROLLER INTEGRATED CIRCUITS

HV1xx and HV3xx hotswap product families are designed to control the inrush current while eliminating any undesirable glitches resulting from hot insertion of the circuit cards into live backplanes. The award winning HV1xx, requires no external components, except a single pass element to operate. It utilizes an innovative and proprietary design that normalizes the hotswap period, regardless of pass element and load capacitor resulting in consistent hotswap operations. The HV3xx families offer programmable inrush control, programmable circuit breaker current (internal 100mv sense) as well as programmable input under and over voltage thresholds. An open drain Power Good (PWRGD) signal is generated once all conditions have been satisfied.

HV100/101 Features:
- Top 100 products EDN magazine
- Industry first 3 pin hotswap controller
- MOSFET Auto adapting circuit
- Safe Hotswapping on backplane power supply rail
- Patent pending short circuit protection

• For Evaluation/Design Shortcut see DEMO BOARDS (IC Included)

Demo Boards	Price Each
689-HV100DB1	50.00
689-HV101DB1	50.00
689-HV300DB2	56.00
689-HV301DB2	64.00
689-HV302DB1	70.00
689-HV310DB2	56.00
689-HV311DB2	64.00
689-HV312DB1	70.00

High Voltage, Negative Rail Break

For quantities of 2000 and up, call for quo

MOUSER STOCK NO.	Supertex Part No.	Package	Input Voltage V_{IN}		Input Current I_{IN}	UV/OV Protection	Circuit Breaker	Sense Resistor	Auto Retry	Power Good Signal	No. of Channels	Price Each			
			Min. (±V)	Max. (±V)								1	100	500	10
♦ 689-HV100K5	HV100K5	SOT-223	38/34	72	1	UV	Until C-Load Fully Charged	—	Yes	—	1	1.43	1.19	1.10	1.0
♦ 689-HV101K5	HV101K5	SOT-223	16/12	72	1	UV	Until C-Load Fully Charged	—	Yes	—	1	1.43	1.19	1.10	1.0
♦ 689-HV111K4	HV111K4	TO-252	8	80	1	UV	Yes	—	Yes	L	1	2.07	1.72	1.59	1.5
♦ 689-HV320LG	HV320LG	SO-8	10	90	0.45	Both	Yes	Yes	—	—	1	1.50	1.25	1.15	1.1
♦ 689-HV300LG	HV300LG	SO-8	10	90	0.65	Both	—	Optional	—	H	1	2.30	1.91	1.77	1.6
♦ 689-HV310LG	HV310LG	SO-8	10	90	0.65	Both	—	Optional	Optional	L	1	2.30	1.91	1.77	1.6
♦ 689-HV301LG-G	HV301LG-G	SO-8	10	90	0.7	Both	Yes	Yes	—	H	1	2.89	2.40	2.22	2.1
♦ 689-HV302NG	HV302NG	SO-14	10	90	0.7	Both	Yes	Yes	Optional	H4	1	3.50	2.91	2.69	2.5
♦ 689-HV311LG	HV311LG	SO-8	10	90	0.7	Both	Yes	Yes	Optional	L	1	2.83	2.35	2.18	2.0
♦ 689-HV312NG	HV312NG	SO-14	10	90	0.7	Both	Yes	Yes	Optional	L4	1	3.50	2.91	2.69	2.5

SUPERTEX LINEAR REGULATOR INTEGRATED CIRCUITS

The LR6 is a high-input voltage linear regulator for simple functions such as SMPS start-up and high-voltage line conditioning/regulation. The LR7 is a high-input voltage SMPS start-up circuit. The LR8 has an adjustable output voltage. The SR036 and SR037 are dual output, off-line regulators. The LR12 is a high voltage, low output current, adjustable linear regulator. It has a wide operating input voltage range of 13.2V to 100V.

• For Evaluation/Design Shortcut see DEMO BOARDS (IC Included)

Demo Boards	Price Each
689-SR036DB2	70.00
689-SR037DB2	70.00

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Supertex Part No.	Package	Input Voltage V_{IN}		Output Voltage HV_{OUT} (V) Typ.	Input Current I_{IN} Max. (mA)	Regulation Typical		Power Dissipation @TA=25°C (W)	Price Each			
			Min. (+V)	Max. (+V)			Line	Load		1	100	500	10
689-LR12K4	LR12K4	TO-252	13	100	1.2/88 V	50	0.003%/V	0.06%/mA	2	1.69	1.41	1.30	1.2
♦ 689-LR12LG	LR12LG	SO-8	13	100	1.2/88 V	50	0.003%/V	0.06%/mA	1.8	1.46	1.22	1.12	1.0
689-LR12N3	LR12N3	TO-92	13	100	1.2/88 V	50	0.003%/V	0.06%/mA	0.6	1.35	1.12	1.04	.9
689-LR645N3-G	LR645N3-G	TO-92	15	450	10	3	0.0001%/V	0.5%/mA	0.74	.59	.49	.45	.4
♦ 689-LR645N8	LR645N8	SOT-89-3	15	450	10	3	0.0001%/V	0.5%/mA	1.6	.72	.60	.55	.5
689-LR745N3-G	LR745N3-G	TO-92	25	450	20	4	0.0001%/V	0.5%/mA	—	.63	.52	.48	.4
689-LR8K4-G	LR8K4-G	TO-252	12	450	1.2 - 440 V	10	0.003%/V	0.15%/mA	2.5	1.14	.95	.88	.8
♦ 689-LR8N8	LR8N8	SOT-89-3	12	450	1.2 - 440 V	10	0.003%/V	0.15%/mA	1.6	.72	.60	.55	.5
689-LR8N3	LR8N3	TO-92	12	450	1.2 - 440 V	10	0.003%/V	0.15%/mA	0.74	.68	.57	.53	.4
♦ * 689-SR036MG	SR036MG	MSOP-8	24	700	~18/3.3 V	—	—	0.04%/mA	—	.84	.70	.64	.5
♦ * 689-SR036SG	SR036SG	SO-8	24	700	~18/3.3 V	—	—	0.04%/mA	—	1.03	.85	.79	.7
♦ * 689-SR037MG	SR037MG	MSOP-8	24	700	~18 / 5 V	—	—	0.04%/mA	—	.84	.70	.64	.5
♦ * 689-SR037SG-G	SR037SG-G	SO-8	24	700	~18 / 5 V	—	—	0.04%/mA	—	1.10	.92	.85	.7

* Dual output, off-line regulator

SUPERTEX RELAY DRIVER INTEGRATED CIRCUITS

The Supertex HV9901 is a BiCMOS/DiMOS universal relay driver that employs PWM switching techniques. It is designed for efficient and energy-saving operation of a low voltage relay with supply voltages ranging from 10-450V DC through utilization of the relay coils' inductance.

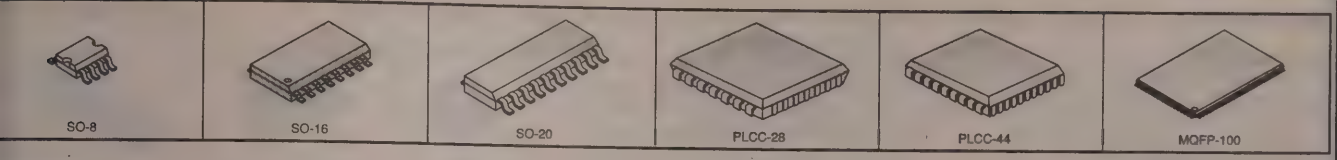
• For Evaluation/Design Shortcut see DEMO BOARDS (IC Included)

Demo Boards	Price Each
689-HV9901DB1	120.00

Source/Sink Outputs - Push-Pull

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Supertex Part No.	Package	Input Voltage V_{IN}		Input Current I_{IN} Max. (mA)	Oscillator Frequency			Current Sense		Ext. Adjustable Reg.Output		Price Each			
			Min. (V)	Max. (V)		Min. (KHz)	Max. (KHz)	Fsync-Max. (KHz)	Typ. Pull-In (V)	Hold	Voltage (V)	Current (mA)	1	100	500	1
689-HV9901NG	HV9901NG	SO-16	10	450	2	20	140	150	0.883	Adjustable	2.0 - 5.5	1	1.90	1.58	1.46	1
689-HV9901P	HV9901P	DIP-16	10	450	2	20	140	151	0.883	Adjustable	2.0 - 5.6	1	1.94	1.61	1.49	1



♦ Surface Mount Device

UPERTEX HIGH VOLTAGE LEVEL TRANSLATORS AND MOSFET DRIVERS

Supertex family of high voltage level translators provide a simple solution to shifting logic signals to uts up to a 400 volt potential difference relative to the input. The primary advantage of these atile products is that they provide direct interface between low voltage logic and high voltage outputs

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Channels	Input Voltage V_{IN}		Output Voltage HV_{OUT}		Input to Output Isolation (V)	Operating Temp (°C)	Ext. Clock Frequency		Price Each			
				Low (V)	High (V)	Low (V)	High (V)			Min. (MHz)	Max. (MHz)	1	100	500	1000
89-HT0440LG-G	HT0440LG-G	SO-8	2	3.15	5.5	6	10	± 400	-40 to + 85	0.5	2	2.19	1.82	1.68	1.61
89-HT0740LG	HT0740LG	SO-8	1	3.15	5.5	5	9	± 400	-40 to + 85	---	---	1.29	1.07	.99	.95

UPERTEX HIGH VOLTAGE ARRAY AMPLIFIER INTEGRATED CIRCUITS (MEMS DRIVER ICS)

5x family of high voltage amplifiers is designed for the next generation of Micro Electro Mechanical ems (MEMS). The family features 32-channel non-inverting high voltage Amplifier Arrays capable of ut swings up to 295V. To minimize external components, the amplifiers have fixed internal closed gain setting resistors. Supertex is the industry's first company to combine an array of low voltage ple-and-hold circuits with high voltage amplifiers on the same chip.

• For Evaluation/Design Shortcut see DEMO BOARDS (IC Included)

Demo Boards	Price Each
689-HV254DB1	176.00
689-HV256DB1	254.00

ample-and-hold amplifier array

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Channels	Voltage HV_{OUT} Max. (V)	Quiescent Current I_{PP}/Chan-Typ	Slew Rate Typ. (V/μS)	Closed Loop Gain (V/V)	Feedback Resistance (MΩ)	HV_{OUT} Current Capability-Max.			Output Current Limit	Price Each			
									Source (μA)	Sink (μA)	Cap Load (pF)		1	100	500	1000
689-HV254FG	HV254FG	MQFP-100	32	250	44	3	50	12	300	300	100	No	129.52	107.71	99.53	95.44
689-HV256FG	HV256FG	MQFP-100	32	295	15	2	72	12	500	500	3000	Yes	202.92	168.74	155.93	149.52
689-HV257FG	HV257FG	MQFP-100	32	295	15	2	72	12	500	500	3000	Yes	240.92	200.34	185.13	177.52

UPERTEX HIGH VOLTAGE ANALOG SWITCH/MULTIPLEXER ICS

32/HV20220 are a low charge injection 8-channel high-voltage g switch integrated circuit (IC) intended for use in applications ring high voltage switching controlled by low voltage control ls, such as ultrasound imaging and printers.

Features:
- HVCMOS technology for high performance
- Very low quiescent power dissipation-10μA
- Output On-resistance typically 22 ohms
- Low parasitic capacitances
- DC to 10MHz analog signal frequency
- -60dB typical output off isolation at 5MHz
- CMOS logic circuitry for low power
- Excellent noise immunity
- On-chip shift register, latch and clear logic circuitry
- Flexible high voltage supplies
- Surface mount package available

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Output Channels	Supply Voltage (V)	Analog Signal Voltage (V)	Switch Current (A)	Switch Resistance (Ω)	Power Dissipation @TA=25°C (W)	Peak Analog Signal Current/Channel	Output Bleed Resistors	Price Each			
											1	100	500	1000
689-HV20220PJ	HV20220PJ	PLCC-28	8	200	180	±2	24	1.2	3	NO	16.42	13.65	12.61	12.10
689-HV232PJ	HV232PJ	PLCC-28	8	200	180	±2	24	1.2	3	YES	16.99	14.13	13.05	12.52

UPERTEX ELECTRONIC LINE SWITCH INTEGRATED CIRCUITS

e electronic switch ICs are designed as a replacement for the typical mechanical hook switch lectromechanical relays in telephones and answering machines. Multiple low-level inputs are provided esign versatility and may be controlled directly from logic circuitry or from mechanical switches. e ICs are line-powered and are especially useful in applications that require telephone ation when external power is lost or otherwise unavailable.

• For Evaluation/Design Shortcut see DEMO BOARDS (IC Included)

Demo Boards	Price Each
689-HT18DB1	50.00
689-HT19DB1	50.00

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Breakdown Voltage V_{TPG} (V)	Switch Resistance (Ω)	Output Voltage V_{TP}		I_{TPG} Current Limiting		Input Voltage		Price Each			
					Min. (V)	Max. (V)	Min. (mA)	Max. (mA)	LS1, LS2 (V)	DP/DP (V)	1	100	500	1000
689-HT18LG	HT18LG	SO-8	350	18	16	20	200	300	20		1.35	1.12	1.04	.99
689-HT19LG	HT19LG	SO-8	350	18	16	20	200	300	20		1.35	1.12	1.04	.99
689-HT0638LG	HT0638LG	SO-8	375	18	---	20	188	313	10		2.17	1.80	1.66	1.60

UPERTEX HIGH VOLTAGE RING GENERATOR INTEGRATED CIRCUITS

se of Supertex's high voltage push-pull IC technology allows these products to control high ge outputs without the use of step-up transformers. Use of class-D PWM amplifiers in these llows very high efficiencies to be achieved. This is particularly important for short and medium telecommunication applications where central telephone office power is not available.

• For Evaluation/Design Shortcut see DEMO BOARDS (IC Included)

Demo Boards	Price Each	Demo Boards	Price Each
689-HV430DB3	150.00	689-HV441DB1	150.00
689-HV440DB1	150.00	689-HV450DB1	200.00
689-HV440DB2	150.00	689-HV450DB2	200.00

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Max Ring Voltage (V) RMS	MAX Output Load REN	High Voltage Supplies		PWM Function	Power Supply Voltage		Price Each			
					Positive	Negative		Positive/Negative High Voltage Supply V_{PP1}=V_{NN1} (V)	Negative High Voltage Supply V_{NN1} (V)	1	100	500	1000
689-HV430WG	HV430WG	SO-20	105	50	YES	YES	External	325	—	7.62	6.34	5.85	5.61
689-HV440WG	HV440WG	SO-16	70	5 or 20	YES	YES	External	220	—	7.56	6.29	5.81	5.57
689-HV441PJ	HV441PJ	PLCC-44	70	6 or 20	YES	YES	External	220	—	9.12	7.58	7.01	6.72

SUPERTEX Drivers and Demo Boards

Supertex

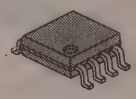
Supertex EL BACKLIGHTING DRIVER INTEGRATED CIRCUITS AND DEMO BOARDS

♦Surface Mount Devi

Applications:

- Pagers - HV830, HV826, HV850
- Portable instrumentation - HV830, HV809, HV850
- Global Positioning Systems (GPS) units - HV830, HV857, HV833
- LCD backlighting - HV857, HV833
- Mobile cellular phones - HV857, HV826, HV830, HV850
- PDAs - HV830, HV857, HV833, HV809
- Wireless handheld - HV857
- Portable Transceivers - HV833, HV826, HV850
- Remote Control Units - HV833, HV826
- Calculators - HV833, HV826
- Electronic personal organizers - HV830, HV809
- Display Signs - HV809
- Processed with HVCMOS® technology - HV830, HV809
- DC to AC conversion - HV830, HV833, HV826, HV850
- Enable/disable function - HV830, HV833
- Patented output timing for high efficiency - HV857, HV833
- Output voltage regulation - HV857, HV833, HV826
- Split supply capability - HV857, HV833
- MP3 players - HV850
- Watches - HV850

SO-8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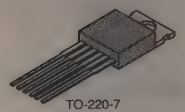
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MOUSER STOCK NO. / Mfr.	Mfr. Part No.	Package	Input Voltage Range Low (V)	Input Voltage Range High (V)	Nominal Output Volt. VCS (V)	High Volt. Supply Curr. IIN (Typ) (mA)	Max. Switch Resistance RDS(ON) Max (Ω)	Output Reg.	Driver	Maximum Lamp Size Per Driver (in²)	Price Each 1	Price Each 100	Price Each 500	Demo Boards	Supply Voltage (V)	Pri Ea
♦ 689—HV826MG		MSOP-8	1.8	3.5	±80	35	7 Ohm	Yes	Single	4	1.37	1.14	1.05	689-HV826DB1	1.8V - 3.5VDC	49.
♦ 689—HV826LG		SO-8	1.8	3.5	±80	35	6 Ohm	Yes	Single	4	1.31	1.09	1.01	689-HV826DB1	1.8V - 3.5VDC	49.
♦ 689—HV857MG-G		MSOP-8	1.8	5.0	±95	20	6 Ohm	Yes	Single	5	1.35	1.12	1.04	689-HV857DB1	1.8V - 5VDC	49.
♦ 689—HV833MG		MSOP-8	1.8	6.5	±90	56	4 Ohm	Yes	Single	12	1.63	1.36	1.26	689-HV833DB1	1.8V - 6.5VDC	49.
♦ 689—HV830LG		SO-8	2.0	9.5	±100	35	4 Ohm	Yes	Single	25	2.09	1.74	1.61	689-HV830DB1	2.0 -9.5VDC	50.
♦ 689—HV850MG-G		MSOP-8	3.0	4.2	±140	- - -	N/A	Yes	Single	2	1.43	1.19	1.10	689-HV850DB1	3.0V - 4.2VDC	20.
♦ 689—HV809LG		SO-8	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	2.28	1.90	1.75	689-HV809DB2	6 VDC	80.
♦ 689—HV809SG		SO-8	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	2.66	2.21	2.04	- - -	- - -	- -
689—HV809K2		TO-220-7	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	3.59	2.99	2.76	689-HV809DB1	120 VAC	60.

Supertex LED DRIVER INTEGRATED CIRCUITS AND DEMO BOARDS

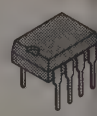
♦Surface Mount Device

Applications:

- Accent lighting - CL2
- Automotive - HV9910, HV9930, CL2
- Backlighting of flat panel displays - HV9910
- Battery powered LED lamps - HV9930
- Cellular phones - HV9903
- Chargers - HV9910
- Color LCD Backlighting - HV9903
- Constant current sink - CL2
- DC/DC or AC/DC LED Driver applications: HV9910, HV9930
- Digital cameras - HV9903
- Electronic personal organizers - HV9903
- General purpose constant current source - HV9910, CL2
- Industrial lamp indicators - CL2
- LED driver - HV9903, HV9910, HV9921, HV9922, HV9930, CL2
- Low power lighting fixtures - HV9921/HV9922
- MP3 players - HV9903
- PDAs - HV9903
- RGB backlighting LED driver - HV9910, HV9930
- Signage and decorative LED lighting - HV9910, HV9921, HV9922, CL2

MLP-6

SO-8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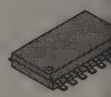
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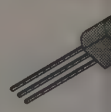
TO-92

SOT-89

TO-252

For quantities greater than listed, call for quote.

White LED Driver IC

MOUSER STOCK NO. / Mfr.	Mfr. Part No.	Package	Supply Voltage (V)	Input Voltage (V)	RSET (Ω)	Internally Regulated Voltage (V)(Typ)	LED Current (Min/Max) (mA)	Supply Current (mA)(Max)	Price Each 1	Price Each 100	Price Each 500
♦ 689—HV9903K6-G		MLP-6	2.6 - 4.6	1.8 - 12.5	1.5K	3.3	5.0/40	1.6	1.06	.88	.82

Universal High Brightness LED Driver ICs

MOUSER STOCK NO. / Mfr.	Mfr. Part No.	Package	Input DC Supply Voltage (V)	Current For Ext. Circuitry (Max)(mA)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	Curr. Sense Pull-In Thresh Voltage (Min/Max)(mV)	Oscillator Frequency (Min/Max)(kHz)	Price Each 1	Price Each 100	Price Each 500
♦ 689—HV9910LG-G		SO-8	8.0 - 450	1	1	7.5	225/275	20(1MΩ)/120(226kΩ)	1.10	.92	.85
689—HV9910P		DIP-8	8.0 - 450	1	1	7.5	225/275	20(1MΩ)/120(226kΩ)	1.01	.84	.77
♦ 689—HV9910NG-G		SO-16	8.0 - 450	1	1	7.5	225/275	20(1MΩ)/120(226kΩ)	1.24	1.03	.95

3-Pin Switchmode LED Driver ICs

MOUSER STOCK NO. / Mfr.	Mfr. Part No.	Package	DC Input Voltage (V)	AC Input Voltage (V)	Constant Output Current (mA)	ON Resistance (Ω)	Operating Supply Current (Typ/Max)(uA)	Threshold Current (Min/Max)(mA)	Price Each 1	Price Each 100	Price Each 500
689—HV9921N3-G		TO-92	20 - 400	85 - 264	20.0	210	250/350	20.5/25.5	.82	.68	.63
♦ 689—HV9921N8-G		SOT-89	20 - 400	85 - 264	20.0	210	250/350	20.5/25.5	.86	.71	.66
689—HV9922N3-G		TO-92	20 - 400	85 - 264	50.0	210	250/350	52/63	.87	.73	.67
♦ 689—HV9922N8-G		SOT-89	20 - 400	85 - 264	50.0	210	250/350	52/63	.91	.76	.70

Hysteric Boost-Buck LED Driver ICs

MOUSER STOCK NO. / Mfr.	Mfr. Part No.	Package	Input DC Supply Voltage (V)	Current For Ext.Circuitry (Max)(mA)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	PWMD Pull-Down Resistance (Min/Max)(kΩ)	Reference Pin Voltage (Min/Typ/Max)(V)	Price Each 1	Price Each 100	Price Each 500
♦ 689—HV9930LG-G		SO-8	8.0 - 200	1	1	7.5	50/150	1.212/1.25/1.288	1.29	1.07	.99
689—HV9930P-G		DIP-8	8.0 - 200	1	1	7.5	50/150	1.212/1.25/1.288	1.18	.98	.91

Temperature Compensated Constant Current LED Driver ICs

MOUSER STOCK NO. / Mfr.	Mfr. Part No.	Package	DC Input Voltage (V)	Current Regulation (Typ)(mA)	Maximum Operating Voltage (V)	Dynamic Resistance (Typ)(Ω)	Power Dissipation @ TA = 25° C (W)	Temperature Coefficient %/°C	Price Each 1	Price Each 100	Price Each 500
♦ 689—CL2K4-G		TO-252	5.0 - 90	20	100	300k	2.0	0.01	.70	.58	.54
♦ 689—CL2N8-G		SOT-89	5.0 - 90	20	100	300k	1.3	0.01	.49	.41	.38
689—CL2N3-G		TO-92	5.0 - 90	20	100	300k	0.6	0.01	.44	.36	.34

LED Driver IC Demo Boards

MOUSER STOCK NO. / Mfr.	Mfr. Part No.	Description	Price Each
689—HV9903DB1		Contains all the necessary circuitry to demonstrate the features of the HV9903 white LED driver	70.00
689—HV9910DB1		Off-line, high brightness LED driver demo board. It contains all the necessary circuitry to test the performance of the HV9910 as a constant current driver to drive a string or mutliple strings of LEDs	198.00
689—HV9910DB2		Universal off-line high brightness LED driver demo board. The board can be used to test the performance of HV9910 as a constant driver to power a string or multiple strings of LEDs	150.00
689—HV9910DB3		Low voltage, high brightness LED driver demo board. The board can be used to test the performance of the HV9910 as a constant driver to power LEDs	108.00
689—HV9910DB5		Universal input, phase dimmable, single high brightness LED driver demo board. The board is a high brightness LED power driver to supply one high brightness LED using the HV9910 driver IC from either 100V or 220VAC supply. It is ideal for incandescent retrofit applications.	150.00
689—HV9921DB1		Universal off-line LED driver demo board. The demo board is a complete LED power driver to supply a string of string of LEDs usin the HV9921, an integrated 3-pinhigh input voltage constant-current buck regulator IC	130.00
689—HV9922DB1		Universal off-line LED driver demo board. The demo board is a complete LED power driver to supply a string of string of LEDs usin the HV9922, an integrated 3-pin high input voltage constant-current buck regulator IC	130.00
689—HV9930DB1		High brightness LED driver demo board. The board uses an LED driver that is capable of driving up to 7 1-watt LEDs in series from an automotive input of 9 to 25 VDC. The demo board uses Supertex's HV9930 in a boost-buck topology.	150.00
689—HV9930DB2		High brightness boost-buck LED driver demo board. The demo board uses an LED driver that is capable of driving 4 3-watt LEDs in series from an input of 9 to 25 VDC. The demo board uses Supertex's HV9930 in a boost-buck topology.	96.00

ATA TRANSMISSION

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Pkg.	Supply Voltage (mV)	Driver tpd (mV)	Rcvr tpd (ns)	ICC max. (mA)	Price Each 1	25	100
RS422/RS423/RS485								
595-AM26C31CD	SOP-16	5	12	-	3	1.59	1.53	1.48
595-AM26C31CN	DIP-16	5	12	-	3	.96	.80	.64
595-AM26C31ID	SOP-16	5	12	-	3	2.15	2.07	2.00
595-AM26C31IN	DIP-16	5	12	-	3	2.15	2.07	2.00
595-AM26C32CD	SOP-16	5	27	-	15	1.65	1.59	1.53
595-AM26C32CN	DIP-16	5	27	-	15	.96	.80	.64
595-AM26C32ID	SOP-16	5	27	-	15	2.10	2.02	1.95
595-AM26C32IN	DIP-16	5	27	-	15	2.10	2.02	1.95
595-AM26LS31CD	SOP-16	5	20	-	80	.88	.69	.50
595-AM26LS31CN	DIP-16	5	20	-	80	.88	.69	.50
595-AM26LS32ACD	SOP-16	5	35	-	70	.88	.69	.50
595-AM26LS32ACN	DIP-16	5	35	-	70	.88	.69	.50
595-AM26LS33ACD	SOP-16	5	35	-	70	.93	.78	.62
595-AM26LV31CD	DIP-16	3.3	12	-	0.1	1.20	1.15	1.09
595-AM26LV32CD	SOP-16	3.3	20	-	17	1.20	1.17	1.13
595-MC3486D	SOP-16	5	35	-	85	.96	.75	.54
595-MC3486N	DIP-16	5	35	-	85	.96	.75	.54
595-MC3487N	DIP-16	5	20	-	85	.96	.75	.54
595-SN65LBC031QD	SOP-8	5	55	55	20	2.99	2.61	2.22
595-SN65LBC184P	DIP-8	5	1500	300	25	2.43	2.07	1.71
595-SN65176BP	DIP-8	5	22	35	70	1.73	1.47	1.20
595-SN75LBC031D	SOP-8	5	55	55	20	2.81	2.45	2.09
595-SN75LBC172DW	SOP-20	5	20	-	7	3.24	2.98	2.72
595-SN75LBC172N	DIP-20	5	20	-	7	3.24	2.98	2.72
595-SN75LBC173D	SOP-16	5	20	-	7	2.23	1.92	1.61
595-SN75LBC173N	DIP-16	5	-	30	20	2.23	1.92	1.61
595-SN75LBC174DW	SOP-20	5	20	-	7	3.40	3.06	2.72
595-SN75LBC174N	DIP-16	5	20	-	7	3.40	3.06	2.72
595-SN75LBC175D	SOP-16	5	-	30	20	2.10	1.86	1.61
595-SN75LBC175N	DIP-16	5	-	30	20	2.10	1.86	1.61
595-SN75LBC176AD	SOP-8	5	6	13	15	2.40	2.07	1.74
595-SN75LBC176AP	DIP-8	5	6	13	15	2.40	2.07	1.74
595-SN75LBC176D	SOP-8	5	6	13	15	1.78	1.54	1.29
595-SN75LBC176P	DIP-8	5	6	13	15	1.78	1.54	1.29
595-SN75LBC179AD	SOP-8	5	6	13	15	2.23	1.99	1.74
595-SN75LBC179AP	DIP-8	5	6	13	15	2.23	1.99	1.74
595-SN75LBC179D	SOP-8	5	6	13	15	1.65	1.47	1.29
595-SN75LBC179P	DIP-8	5	6	13	15	1.65	1.47	1.29
595-SN75LBC180AD	SOP-14	5	6	13	15	2.25	2.08	1.90
595-SN75LBC180AN	DIP-14	5	6	13	15	2.25	2.08	1.90
595-SN75LBC180D	SOP-14	5	6	13	15	1.85	1.64	1.42
595-SN75LBC180N	DIP-14	5	6	13	15	1.85	1.64	1.42
595-SN75LBC184D	8-SOP	5	1500	300	25	2.20	1.84	1.47
595-SN75110AD	SOP-14	5	15	-	35	.79	.76	.73
595-SN75110AN	DIP-14	5	15	-	35	.79	.76	.73
595-SN75112D	SOP-14	5	15	-	40	1.93	1.86	1.79
595-SN75112N	DIP-14	5	15	-	40	1.93	1.86	1.79
595-SN75113N	DIP-16	5	30	-	65	2.34	2.26	2.17
595-SN75114N	DIP-16	5	30	-	50	1.88	1.57	1.26
595-SN75115D	SOP-16	5	-	75	50	2.30	1.95	1.60
595-SN75115N	DIP-16	5	-	75	50	2.30	1.95	1.60
595-SN75116N	DIP-16	5	-	30	60	3.71	3.29	2.86
595-SN75118N	DIP-16	5	-	30	60	3.60	3.32	3.04
595-SN75119P	DIP-8	5	-	30	60	3.94	3.43	2.92
595-SN75121N	DIP-16	5	20	-	60	1.88	1.78	1.67
595-SN75124N	DIP-16	5	-	20	100	2.15	1.95	1.74
595-SN75138N	DIP-16	5	24	15	65	2.00	1.96	1.91
595-SN75150D	SOP-8	+/-12	60	-	22	.90	.75	.60
595-SN75150P	DIP-8	+/-12	60	-	22	.90	.75	.60
595-SN75154D	SOP-16	5	11	-	35	.90	.78	.66
595-SN75154N	DIP-16	5	11	-	35	.90	.78	.66
595-SN75155D	SOP-8	+/-12	480	245	14	1.26	1.05	.84
595-SN75155P	DIP-8	+/-12	480	245	14	1.26	1.05	.84
595-SN75157D	SOP-8	5	-	25	50	1.80	1.53	1.25
595-SN75157P	DIP-8	5	-	25	50	1.80	1.53	1.25
595-SN75158D	SOP-8	5	25	-	50	4.50	3.92	3.34
595-SN75158P	DIP-8	5	25	-	50	4.50	3.92	3.34
595-SN75159D	SOP-14	5	25	-	65	4.28	3.81	3.34
595-SN75159N	DIP-14	5	25	-	65	4.28	3.79	3.30
595-SN75172DW	SOP-20	5	65	-	60	2.73	2.64	2.54
595-SN75172N	DIP-16	5	65	-	60	1.90	1.73	1.56
595-SN751730D	SOP-16	5	18.5	19.5	80	3.60	3.19	2.78
595-SN751730N	DIP-16	5	18.5	19.5	80	3.60	3.19	2.78
595-SN75173D	SOP-16	5	-	35	70	2.00	1.78	1.56
595-SN75173N	DIP-16	5	-	35	70	2.00	1.60	1.20
595-SN75174N	DIP-16	5	65	-	60	1.30	1.14	.97
595-SN75175D	SOP-16	5	-	35	70	1.08	1.06	1.04
595-SN75175N	DIP-16	5	-	35	70	1.08	1.06	1.04
595-SN75176AD	SOP-8	5	60	35	50	.75	.68	.61
595-SN75176AP	DIP-8	5	60	35	50	.75	.63	.50
595-SN75176BD	SOP-8	5	60	35	50	.88	.69	.50

♦ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Pkg.	Supply Voltage (mV)	Driver tpd (mV)	Rcvr tpd (ns)	ICC max. (mA)	Price Each 1	25	100
RS422/RS423/RS485 (cont.)								
595-SN75176BP	DIP-8	5	60	35	50	.88	.79	.70
595-SN75178BP	DIP-8	5	20	19	70	1.88	1.69	1.50
♦595-SN75179BD	SOP-8	5	22	35	70	1.68	1.62	1.56
595-SN75179BP	DIP-8	5	22	35	70	1.68	1.62	1.56
595-SN75182N	DIP-14	5	-	45	10.2	1.40	1.35	1.30
595-SN75183N	DIP-14	5	18	-	18	2.00	1.87	1.74
595-SN751177N	DIP-16	5	25	35	110	3.31	2.82	2.33
595-SN751178N	DIP-16	5	25	35	110	3.31	2.93	2.55
RS232								
♦595-GD75232DW	SOP-20	5, +/-12	500	500	20	.48	.38	.27
595-GD75232N	DIP-20	5, +/-12	500	500	20	.90	.75	.66
♦595-GD75323DW	SOP-20	5, +/-12	500	500	32	.66	.64	.61
♦595-MAX232D	SOP-16	5	-	500	10	.90	.75	.60
♦595-MAX232DW	SOP-16	5	-	500	10	.90	.80	.70
♦595-MAX232ID	SOP-16	5	-	500	10	1.05	.88	.70
♦595-MAX232IDW	SOP-16	5	-	500	10	1.05	1.01	.96
595-MAX232IN	DIP-16	5	-	500	10	1.05	1.01	.96
595-MAX232N	DIP-16	5	-	500	10	.90	.75	.60
595-MC1488N	DIP-14	+/-9	350	-	25	.48	.38	.27
595-MC1489N	DIP-14	5	-	85	26	.48	.38	.27
♦595-SN75C185DW	SOP-20	5, +/-12	3500	4000	0.75	2.00	1.87	1.74
♦595-SN75C188D	SOP-14	+/-12	3500	-	0.16	.90	.77	.63
595-SN75C188N	DIP-14	+/-12	3500	-	0.16	.90	.77	.63
♦595-SN75C189AD	SOP-14	5	-	6000	0.7	.92	.83	.73
595-SN75C189AN	DIP-14	5	-	6000	0.7	.92	.83	.73
♦595-SN75C189D	SOP-14	5	-	6000	0.7	.96	.80	.63
595-SN75C189N	DIP-14	5	-	6000	0.7	.96	.80	.63
♦595-SN75C1154DW	SOP-20	5	120	300	-	1.70	1.42	1.14
595-SN75C1154N	DIP-20	5	120	300	-	1.70	1.42	1.14
595-SN75C1167N	DIP-16	5	12	27	9	1.53	1.48	1.42
595-SN75C1168N	DIP-16	5	12	27	9	1.53	1.48	1.42
♦595-SN75C1406DW	SOP-16	5, +/-12	3500	4000	0.45	1.44	1.20	.96
595-SN75C1406N	DIP-16	5, +/-12	3500	4000	0.45	1.44	1.20	.96
♦595-SN75LP1185DW	SOP-20	5, +/-12	1600	900	1	2.13	1.78	1.42
♦595-SN75LPE185DW	SOP-24	5, +/-12	1600	900	1	2.25	1.88	1.50
♦595-SN75185DW	SOP-20	5, +/-12	500	500	30	.81	.69	.56
595-SN75185N	DIP-20	5, +/-12	500	500	30	.81	.69	.56
♦595-SN75188D	SOP-14	+/- 9	350	-	25	.56	.44	.32
595-SN75188N	DIP-14	+/- 9	350	-	25	.56	.44	.32
♦595-SN75189AD	SOP-14	5	-	85	26	.56	.44	.32
595-SN75189AN	DIP-14	5	-	85	26	.56	.44	.32
♦595-SN75189D	SOP-14	5	-	85	26	.56	.44	.32
595-SN75189N	DIP-14	5	-	85	26	.56	.44	.32
♦595-SN75196DW	SOP-20	5, +/-12	500	500	20	1.05	.88	.70
595-SN75196N	DIP-20	5, +/-12	500	500	20	1.05	.88	.70
LVDM								
♦595-SN65LVDM050D	SOP-16	3.3	1.7	3.7	27	4.34	4.17	4.00
♦595-SN65LVDM051D	SOP-16	3.3	1.7	3.7	27	4.34	4.17	4.00
♦595-SN65LVDM22D	SOP-16	3.3	4	-	27	4.95	4.86	4.77
♦595-SN65LVDM31D	SOP-16	3.3	2.3	-	40	5.19	5.01	4.82
♦595-SN65LVDM176D	SOP-8	3.3	1.7	3.7	15	3.35	3.01	2.67
♦595-SN65LVDM176DGK	SOP-8	3.3	1.7	3.7	15	3.35	3.01	2.67
♦595-SN65LVDM179D	SOP-8	3.3	1.7	3.7	15	3.35	3.01	2.67
♦595-SN65LVDM179DGK	SOP-8	3.3	1.7	3.7	15	3.35	3.01	2.67
♦595-SN65LVDM180D	SOP-14	3.3	1.7	3.7	13	3.35	3.01	2.67
LVDS								
♦595-SN65LVDS047D	SOP-16	3.3	1.8	-	26	3.62	3.27	2.91
♦595-SN65LVDS047PW	SOP-16	3.3	1.8	-	26	3.62	3.27	2.91
♦595-SN65LVDS048AD	SOP-16	3.3	-	3.7	15	3.62	3.27	2.91
♦595-SN65LVDS048APW	SOP-16	3.3	-	3.7	15	3.62	3.27	2.91
♦595-SN65LVDS050D	SOP-16	3.3	1.7	3.7	20	4.39	3.96	3.52
♦595-SN65LVDS051D	SOP-16	3.3	1.7	3.7	20	4.39	3.96	3.52
♦595-SN65LVDS22D	SOP-16	3.3	4	-	20	5.30	5.04	4.77
♦595-SN65LVDS31D	SOP-16	3.3	1.4	-	35	3.65	3.35	3.04
♦595-SN65LVDS31NS	SOP-16	3.3	1.4	-	35	3.65	3.35	3.04
♦595-SN65LVDS32D	SOP-16	3.3	-	3	18	3.65	3.35	3.04
♦595-SN65LVDS179D	SOP-8	3.3	1.7	3.7	12	2.88	2.77	2.67
♦595-SN65LVDS179DGK	SOP-8	3.3	1.7	3.7	12	2.88	2.77	2.67
♦595-SN65LVDS180D	SOP-14	3.3	1.7	3.7	12	2.88	2.77	2.67
♦595-SN65LVDS390D	SOP-16	3.3	-	4	18	3.65	3.35	3.04
♦595-SN65LVDS390PW	SOP-16	3.3	-	4	18	3.65	3.35	3.04
♦595-SN65LVDS391D	SOP-16	3.3	1.7	-	26	3.65	3.35	3.04
♦595-SN65LVDS391PW	SOP-16	3.3	1.7	-	26	3.65	3.35	3.04
♦595-SN65LVDS1050PW	SOP-16	2.7	1.7	3.7	20	4.39	3.96	3.52
♦595-SN65LVDS3486D	SOP-16	3.3	-	3	18	3.65	3.35	3.04
♦595-SN65LVDS3487D	SOP-16	3.3	1.4	-	35	3.65	3.35	3.04
♦595-SN65LVDS9637D	SOP-8	3.3	-	3	10	2.48	2.32	2.15
♦595-SN65LVDS9637DGN	SOP-8	3.3	-	3	10	2.59	2.43	2.26
♦595-SN65LVDS9638D	SOP-8	3.3	1.4	-	13	2.48	2.32	2.15
♦595-SN65LVDS9638DGN	SOP-8	3.3	1.4	-	13	2.59	2.43	2.26

TEXAS INSTRUMENTS Converters

TI ANALOG TO DIGITAL CONVERTERS

♦ Surface Mount Device

For quantities of 250 and up, call for qu

MOUSER STOCK NO.	TI Part No.	Pkg.	Analog Inputs	Resolution (Bits)	Sample Rate (MSPS)	Output Type	Supply Voltage (V)	Power Typical (mW)	DNL (Max.) (± LSB)	INL (Max.) (± LSB)	Price Each 1	25	10
♦ 595-TLC545CFN	TLC545CFN	PLCC-28	19	8	0.076	SPI	4.75 to 5.25	6	0.5	0.5	5.18	4.80	4.
595-TLC545CN	TLC545CN	DIP-8	19	8	0.076	SPI	4.75 to 5.25	6	0.5	0.5	5.46	4.94	4.
♦ 595-TLC545IFN	TLC545IFN	PLCC-28	19	8	0.076	SPI	4.75 to 5.25	6	0.5	0.5	5.56	5.15	4.
595-TLC545IN	TLC545IN	DIP-8	19	8	0.076	SPI	4.75 to 5.25	6	0.5	0.5	5.84	5.29	4.
♦ 595-TLC2543CDB	TLC2543CDB	SSOP-20	11	12	0.066	SPI	4.75 to 5.25	5	1	1	8.00	7.35	6.
♦ 595-TLC2543CDW	TLC2543CDW	SOP-20	11	12	0.066	SPI	4.75 to 5.25	5	1	1	8.00	7.35	6.
♦ 595-TLC2543CFN	TLC2543CFN	PLCC-20	11	12	0.066	SPI	4.75 to 5.25	5	1	1	8.00	7.35	6.
595-TLC2543CN	TLC2543CN	DIP-20	11	12	0.066	SPI	4.75 to 5.25	5	1	1	8.00	7.35	6.
♦ 595-TLC2543IDW	TLC2543IDW	SOP-20	11	12	0.066	SPI	4.75 to 5.25	5	1	1	8.60	7.91	7.
♦ 595-TLC2543IFN	TLC2543IFN	PLCC-20	11	12	0.066	SPI	4.75 to 5.25	5	1	1	8.60	7.91	7.
595-TLC2543IN	TLC2543IN	DIP-20	11	12	0.066	SPI	4.75 to 5.25	5	1	1	8.60	7.91	7.
♦ 595-TLV2543CDW	TLV2543CDW	SOP-20	11	12	0.066	SPI	3.3 to 3.6	3.3	1	1	8.00	7.35	6.
595-TLV2543CN	TLV2543CN	DIP-20	11	12	0.066	SPI	3.3 to 3.6	3.3	1	1	8.00	7.35	6.
♦ 595-TLV2543IDB	TLV2543IDB	SSOP-20	11	12	0.066	SPI	3.3 to 3.6	3.3	1	1	8.60	7.91	7.
♦ 595-TLV2543IDW	TLV2543IDW	SOP-20	11	12	0.066	SPI	3.3 to 3.6	3.3	1	1	8.60	7.91	7.
595-TLV2543IN	TLV2543IN	DIP-20	11	12	0.066	SPI	3.3 to 3.6	3.3	1	1	8.60	7.91	7.
♦ 595-TLC1542CDW	TLC1542CDW	SOP-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	5.09	4.43	3
♦ 595-TLC1542CFN	TLC1542CFN	PLCC-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	5.09	4.43	3
595-TLC1542CN	TLC1542CN	DIP-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	5.09	4.43	3
♦ 595-TLC1542IDW	TLC1542IDW	SOP-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	5.47	4.77	4
595-TLC1542IN	TLC1542IN	DIP-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	5.47	4.77	4
♦ 595-TLC1542QFN	TLC1542QFN	PLCC-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	5.56	4.84	4
♦ 595-TLC1543CDB	TLC1543CDB	SSOP-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	3.67	3.23	2
♦ 595-TLC1543CDW	TLC1543CDW	SSOP-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	3.67	3.23	2
♦ 595-TLC1543CFN	TLC1543CFN	PLCC-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	3.67	3.23	2
595-TLC1543CN	TLC1543CN	DIP-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	3.87	3.33	2
♦ 595-TLC1543IDW	TLC1543IDW	SOP-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	3.94	3.47	2
♦ 595-TLC1543IFN	TLC1543IFN	PLCC-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	3.94	3.47	2
595-TLC1543IN	TLC1543IN	DIP-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	4.14	3.57	2
♦ 595-TLC1543QDB	TLC1543QDB	SSOP-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	4.37	3.81	3
♦ 595-TLC1543QDW	TLC1543QDW	SOP-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	4.37	3.81	3
♦ 595-TLC1543QFN	TLC1543QFN	PLCC-20	11	10	0.038	SPI	4.75 to 5.25	4	1	1	4.37	3.81	3
♦ 595-TLV1543CDB	TLV1543CDB	SOP-20	11	10	0.038	SPI	3 to 5.5	2.64	1	1	4.05	3.56	3
♦ 595-TLV1543CDW	TLV1543CDW	SOP-20	11	10	0.038	SPI	3 to 5.5	2.64	1	1	4.05	3.56	3
595-TLV1543CN	TLV1543CN	DIP-20	11	10	0.038	SPI	3 to 5.5	2.64	1	1	4.28	3.68	3
♦ 595-TLV1543IDB	TLV1543IDB	SSOP-20	11	10	0.038	SPI	3 to 5.5	2.64	1	1	4.37	3.84	3
♦ 595-TLC1541CDW	TLC1541CDW	SOP-20	11	10	0.032	SPI	4.75 to 5.25	6	1	1	5.80	5.32	4
♦ 595-TLC1541CFN	TLC1541CFN	PLCC-20	11	10	0.032	SPI	4.75 to 5.25	6	1	1	5.80	5.32	4
595-TLC1541CN	TLC1541CN	DIP-20	11	10	0.032	SPI	4.75 to 5.25	6	1	1	6.10	5.47	4
♦ 595-TLC1541IDW	TLC1541IDW	SOP-20	11	10	0.032	SPI	4.75 to 5.25	6	1	1	6.24	5.72	5
♦ 595-TLC1541IFN	TLC1541IFN	PLCC-20	11	10	0.032	SPI	4.75 to 5.25	6	1	1	6.24	5.72	5
595-TLC1541IN	TLC1541IN	DIP-20	11	10	0.032	SPI	4.75 to 5.25	6	1	1	6.54	5.87	5
♦ 595-TLC541IDW	TLC541IDW	SOP-20	11	8	0.4	SPI	4.75 to 5.25	6	0.5	0.5	3.02	2.65	2
♦ 595-TLC541IFN	TLC541IFN	PLCC-20	11	8	0.4	SPI	4.75 to 5.25	6	0.5	0.5	3.02	2.65	2
595-TLC541IN	TLC541IN	DIP-20	11	8	0.4	SPI	4.75 to 5.25	6	0.5	0.5	3.02	2.65	2
♦ 595-TLC540IDW	TLC540IDW	SOP-20	11	8	0.075	SPI	4.75 to 5.25	6	0.5	0.5	3.44	3.02	2
♦ 595-TLC540IFN	TLC540IFN	PLCC-20	11	8	0.075	SPI	4.75 to 5.25	6	0.5	0.5	3.44	3.02	2
595-TLC540IN	TLC540IN	DIP-20	11	8	0.075	SPI	4.75 to 5.25	6	0.5	0.5	3.44	3.02	2
♦ 595-TLC542CDW	TLC542CDW	SOP-20	11	8	0.025	SPI	4.75 to 5.25	6	0.5	0.5	2.81	2.48	2
595-TLC542CN	TLC542CN	DIP-20	11	8	0.025	SPI	4.75 to 5.25	6	0.5	0.5	2.81	2.48	2
♦ 595-TLC542IDW	TLC542IDW	SOP-20	11	8	0.025	SPI	4.75 to 5.25	6	0.5	0.5	3.04	2.67	2
♦ 595-TLC542IFN	TLC542IFN	PLCC-20	11	8	0.025	SPI	4.75 to 5.25	6	0.5	0.5	3.04	2.67	2
595-TLC542IN	TLC542IN	DIP-20	11	8	0.025	SPI	4.75 to 5.25	6	0.5	0.5	3.17	2.73	2
♦ 595-TLC2558IDW	TLC2558IDW	SOP-20	8	12	0.4	SPI	4.75 to 5.25	9.5	1	1	10.02	9.66	9
♦ 595-TLC2558IPW	TLC2558IPW	TSSOP-20	8	12	0.4	SPI	4.75 to 5.25	9.5	1	1	10.02	9.66	9
♦ 595-TLV2548CDW	TLV2548CDW	SOP-20	8	12	0.2	SPI	2.7 to 5.5	3.3	1	1	8.72	8.09	7
♦ 595-TLV2548IDW	TLV2548IDW	SOP-20	8	12	0.2	SPI	2.7 to 5.5	3.3	1	1	9.38	8.62	8
♦ 595-TLV2548IPW	TLV2548IPW	TSSOP-20	8	12	0.2	SPI	2.7 to 5.5	3.3	1	1	9.38	8.62	8
♦ 595-TLV1570CDW	TLV1570CDW	SOP-20	8	10	1.25	SPI	2.7 to 5.5	9	1	1	6.80	6.25	5
♦ 595-TLV1570CPW	TLV1570CPW	TSSOP-20	8	10	1.25	SPI	2.7 to 5.5	9	1	1	6.80	6.25	5
♦ 595-TLV1570IDW	TLV1570IDW	SOP-20	8	10	1.25	SPI	2.7 to 5.5	9	1	1	7.32	6.72	6
♦ 595-TLV1570IPW	TLV1570IPW	TSSOP-20	8	10	1.25	SPI	2.7 to 5.5	9	1	1	7.32	6.72	6
♦ 595-TLV1578CDA	TLV1578CDA	SOP-32	8	10	1.25	Parallel	2.7 to 5.5	12	1	1	6.86	6.30	5
♦ 595-TLV1578IDA	TLV1578IDA	TSSOP-32	8	10	1.25	Parallel	2.7 to 5.5	12	1	1	7.38	6.78	6
♦ 595-TLC1518IDW	TLC1518IDW	SOP-20	8	10	0.4	SPI	4.75 to 5.25	10	0.5	0.5	6.24	5.73	5
♦ 595-TLC1518IPW	TLC1518IPW	TSSOP-20	8	10	0.4	SPI	4.75 to 5.25	10	0.5	0.5	6.24	5.73	5
♦ 595-TLV1508IDW	TLV1508IDW	SOP-20	8	10	0.2	SPI	2.7 to 5.5	3.3	0.5	0.5	5.72	5.26	4
♦ 595-TLV1508IPW	TLV1508IPW	TSSOP-20	8	10	0.2	SPI	2.7 to 5.5	3.3	0.5	0.5	5.72	5.26	4
♦ 595-TLV1548IDB	TLV1548IDB	SSOP-20	8	10	0.085	SPI	2.7 to 5.5	1.05	1	1	5.00	4.37	3
♦ 595-TLV0838CDW	TLV0838CDW	SOP-20	8	8	0.0379	SPI	2.7 to 3.6	0.66	0.5	0.5	2.72	2.40	2
♦ 595-TLV0838IDW	TLV0838IDW	SOP-20	8	8	0.0379	SPI	2.7 to 3.6	0.66	0.5	0.5	2.93	2.58	2
595-TLV0838IN	TLV0838IN	DIP-20	8	8	0.0379	SPI	2.7 to 3.6	0.66	0.5	0.5	2.93	2.58	2
♦ 595-TLV0838IPW	TLV0838IPW	TSSOP-20	8	8	0.0379	SPI	2.7 to 3.6	0.66	0.5	0.5	2.93	2.58	2
♦ 595-TLC0838CDW	TLC0838CDW	SOP-20	8	8	0.02	SPI	4.75 to 5.25	3	0.4	0.4	2.72	2.40	2
595-TLC0838CN	TLC0838CN	DIP-20	8	8	0.02	SPI	4.75 to 5.25	3	0.4	0.4	2.88	2.48	2
♦ 595-TLC0838IDW	TLC0838IDW	SOP-20	8	8	0.02	SPI	4.75 to 5.25	3	0.4	0.4	2.93	2.58	2
595-TLC0838IN	TLC0838IN	DIP-20	8	8	0.02	SPI	4.75 to 5.25	3	0.4	0.4	3.08	2.65	2
♦ 595-TLC0838IPW	TLC0838IPW	TSSOP-20	8	8	0.02	SPI	4.75 to 5.25	3	0.4	0.4	2.93	2.58	2
♦ 595-TLC2554ID	TLC2554ID	SOP-16	4	12	0.4	SPI	4.75 to 5.25	9.5	1	1	9.82	9.47	9
♦ 595-TLC2554IPW	TLC2554IPW	TSSOP-16	4	12	0.4	SPI	4.75 to 5.25	9.5	1	1	9.82	9.47	9
♦ 595-TLV2544CD	TLV2544CD	SOP-16	4	12	0.2	SPI	2.7 to 5.5	3.3	1	1	7.58	7.18	6
♦ 595-TLV2544ID	TLV2544ID	SOP-16	4	12	0.2	SPI	2.7 to 5.5	3.3	1	1	9.85	9.50	8
♦ 595-TLV2544IPW	TLV2544IPW	TSSP-16	4	12	0.2	SPI	2.7 to 5.5	3.3	1	1	8.16	7.49	6
♦ 595-THS1007IDA	THS1007IDA	TSSOP-32	4	10	6	Parallel	4.75 to 5.25	186	1	1	12.91	12.45	1
♦ 595-TLV1562CDW	TLV1562CDW	SOP-28	4	10	2	Parallel	2.7 to 5.5	15	1.5	1.5	7.44	6.84	6
♦ 595-TLV1562CPW	TLV1562CPW	TSSOP-28	4	10	2	Parallel	2.7 to 5.5	15	1.5	1.5	7.44	6.84	6
♦ 595-TLV1562IDW	TLV1562IDW	SOP-28	4	10	2	Parallel	2.7 to 5.5	15	1.5	1.5	8.00	7.35	6
♦ 595-TLV1562IPW	TLV1562IPW	TSSOP-28	4	10	2	Parallel	2.7 to 5.5	15	1.5	1.5	8.00	7.35	6
♦ 595-TLC1514ID	TLC1514ID	16-SOP	4	10	0.4	SPI	4.75 to 5.25	10	0.5	0.5	5.24	4.82	4
♦ 595-TLC1514IPW	TLC1514IPW	TSSOP-16	4	10	0.4	SPI	4.75 to 5.25	10	0.5	0.5	5.24	4.82	4
♦ 595-TLV1504ID	TLV1504ID	SOP-16	4	10	0.2	SPI	2.7 to 5.5	3.3	0.5	0.5	5.36	4.68	4
♦ 595-TLV1504IPW	TLV1504IPW	TSSOP-16	4	10	0.2	SPI	2.7 to 5.5	3.3	0.5	0.5	5.36	4.68	4
♦ 595-TLV1544CD	TLV1544CD	SOP-16	4	10	0.085	SPI	2.7 to 5.5	1.05	1	1	3.96	3.47	2
♦ 595-TLV1544CPW	TLV1544CPW	TSSOP-16	4	10	0.085	SPI	2.7 to 5.5	1.05	1	1	3.96	3.47	2
♦ 595-TLV1544ID	TLV1544ID	SOP-16	4	10	0.085	SPI	2.7 to 5.5	1.05	1	1	4.25	3.72	3
♦ 595-TLV0834CD	TLV0834CD	SOP-14	4	8	0.041	SPI	2.7 to 3.6	0.66	0.5	0.5	2.72	2.40	2
♦ 595-TLV0834ID	TLV0834ID	SOP-14	4	8	0.041	SPI	2.7 to 3.6	0.66	0.5	0.5	2.93	2.58	2
595-TLV0834IN	TLV0834IN	DIP-14	4	8	0.041	SPI	2.7 to 3.6	0.66	0.5	0.5	2.93	2.58	2
♦ 595-TLC0834CD	TLC0834CD	SOP-14	4	8	0.02	SPI	4.75 to 5.25	3	0.4	0.4	2.72	2.40	2

TEXAS INSTRUMENTS Converters

ANALOG TO DIGITAL CONVERTERS

♦Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Pkg.	Analog Inputs	Resolution (Bits)	Sample Rate (MSPS)	Output Type	Supply Voltage (V)	Power Typical (mW)	DNL (Max.) (± LSB)	INL (Max.) (± LSB)	Price Each 1	25	100
595-TLC0834CN	TLC0834CN	DIP-14	4	8	0.02	SPI	4.75 to 5.25	3	0.4	0.4	2.88	2.48	2.07
595-TLC0834ID	TLC0834ID	SOP-14	4	8	0.02	SPI	4.75 to 5.25	3	0.4	0.4	2.93	2.58	2.22
595-TLC0834IN	TLC0834IN	DIP-14	4	8	0.02	SPI	4.75 to 5.25	3	0.4	0.4	3.08	2.65	2.22
595-TLC2552ID	TLC2552ID	SOP-8	2	12	0.4	SPI	4.75 to 5.25	15	1	1	7.60	6.99	6.37
595-TLV2542ID	TLV2542ID	SOP-8	2	12	0.2	SPI	2.7 to 5.5	2.8	1	1	7.42	6.81	6.20
595-TLV2542IDGK	TLV2542IDGK	TSSOP-8	2	12	0.2	SPI	2.7 to 5.5	2.8	1	1	7.42	6.81	6.20
595-ADS7843E	ADS7843E	SSOP-16	2	12	0.125	Serial	2.7 to 5.5	1.8	1	2	3.58	3.24	2.90
595-THS10082IDA	THS10082IDA	TSSOP-32	2	10	8	Parallel	4.75 to 5.25	186	1	1	11.04	10.65	10.25
595-THS1009IDA	THS1009IDA	TSSOP-32	2	10	8	Parallel	4.75 to 5.25	186	1	1	9.19	8.87	8.54
595-TLV0832CD	TLV0832CD	SOP-8	2	8	0.0447	SPI	2.7 to 3.6	5	0.5	0.5	2.61	2.30	1.98
595-TLV0832CP	TLV0832CP	DIP-8	2	8	0.0447	SPI	2.7 to 3.6	5	0.5	0.5	2.61	2.30	1.98
595-TLV0832ID	TLV0832ID	SOP-8	2	8	0.0447	SPI	2.7 to 3.6	5	0.5	0.5	2.81	2.48	2.14
595-TLV0832IP	TLV0832IP	DIP-8	2	8	0.0447	SPI	2.7 to 3.6	5	0.5	0.5	2.81	2.48	2.14
595-TLC0832CD	TLC0832CD	SOP-8	2	8	0.022	SPI	4.75 to 5.25	12.5	0.4	0.4	2.61	2.30	1.98
595-TLC0832CP	TLC0832CP	DIP-8	2	8	0.022	SPI	4.75 to 5.25	12.5	0.4	0.4	2.61	2.30	1.98
595-TLC0832ID	TLC0832ID	SOP-8	2	8	0.022	SPI	4.75 to 5.25	12.5	0.4	0.4	2.81	2.48	2.14
595-TLC0832IP	TLC0832IP	DIP-8	2	8	0.022	SPI	4.75 to 5.25	12.5	0.4	0.4	2.81	2.48	2.14
595-TLC7135CDW	TLC7135CDW	SOP-28	1	14	0.003	Parallel	4.75 to 5.25	5	0.01	0.5	3.74	3.29	2.83
595-TLC2551ID	TLC2551ID	SOP-8	1	12	0.4	SPI	4.75 to 5.25	15	1	1	7.60	6.99	6.37
595-TLC2555ID	TLC2555ID	SOP-8	1	12	0.4	SPI	4.75 to 5.25	15	1	1	7.60	6.99	6.37
595-TLV2541ID	TLV2541ID	SOP-8	1	12	0.2	SPI	2.7 to 5.5	2.8	1	1	7.42	6.81	6.20
595-TLV2541IDGK	TLV2541IDGK	TSSOP-8	1	12	0.2	SPI	2.7 to 5.5	2.8	1	1	7.42	6.81	6.20
595-TLV2545ID	TLV2545ID	SOP-8	1	12	0.2	SPI	2.7 to 5.5	2.8	1	1	7.44	6.82	6.20
595-TLV2545IDGK	TLV2545IDGK	TSSOP-8	1	12	0.2	SPI	2.7 to 5.5	2.8	1	1	7.42	6.81	6.20
595-THS1030CDW	THS1030CDW	SOIC-28	1	10	30	Parallel	3 to 5.5	150	1	2	8.88	8.56	8.25
595-THS1030IDW	THS1030IDW	SOP-28	1	10	30	Parallel	3 to 5.5	150	1	2	9.57	9.23	8.88
595-THS1030IPW	THS1030IPW	TSSOP-28	1	10	30	Parallel	3 to 5.5	150	1	2	9.57	9.23	8.88
595-THS1031CDW	THS1031CDW	SOIC-28	1	10	30	Parallel	3 to 5.5	160	1	2	9.80	9.45	9.10
595-THS1031IDW	THS1031IDW	SOP-28	1	10	30	Parallel	3 to 5.5	160	1	2	10.54	10.17	9.79
595-THS1031IPW	THS1031IPW	TSSOP-28	1	10	30	Parallel	3 to 5.5	160	1	2	10.54	10.17	9.79
595-TLV1571CDW	TLV1571CDW	SOP-24	1	10	1.25	Parallel	2.7 to 5.5	12	1	1	6.60	6.06	5.52
595-TLV1571IDW	TLV1571IDW	SOP-24	1	10	1.25	Parallel	2.7 to 5.5	12	1	1	7.08	6.51	5.94
595-TLV1571IPW	TLV1571IPW	TSSOP-24	1	10	1.25	Parallel	2.7 to 5.5	12	1	1	7.08	6.51	5.94
595-TLV1572CD	TLV1572CD	SOP-8	1	10	1.25	SPI	2.7 to 5.5	8.1	1	1	5.92	5.45	4.97
595-TLV1572ID	TLV1572ID	SOP-8	1	10	1.25	SPI	2.7 to 5.5	8.1	1	1	6.36	5.85	5.34
595-TLC1550IDW	TLC1550IDW	SOP-24	1	10	0.164	Parallel	4.75 to 5.25	10	0.5	0.5	7.04	6.48	5.91
595-TLC1551IDW	TLC1551IDW	SOP-24	1	10	0.164	Parallel	4.75 to 5.25	10	1	1	6.06	5.56	5.05
595-TLC1549CD	TLC1549CD	SOP-8	1	10	0.038	SPI	4.75 to 5.25	4	1	1	3.67	3.21	2.74
595-TLC1549CP	TLC1549CP	DIP-8	1	10	0.038	SPI	4.75 to 5.25	4	1	1	3.85	3.30	2.74
595-TLC1549ID	TLC1549ID	SOP-8	1	10	0.038	SPI	4.75 to 5.25	4	1	1	3.94	3.44	2.94
595-TLC1549IP	TLC1549IP	DIP-8	1	10	0.038	SPI	4.75 to 5.25	4	1	1	4.14	3.54	2.94
595-TLV1549CD	TLV1549CD	SOP-8	1	10	0.038	SPI	3 to 3.6	1.32	1	1	3.67	3.21	2.74
595-TLV1549CP	TLV1549CP	DIP-8	1	10	0.038	SPI	3 to 3.6	1.32	1	1	3.87	3.31	2.74
595-TLV1549ID	TLV1549ID	SOP-8	1	10	0.038	SPI	3 to 3.6	1.32	1	1	3.96	3.45	2.94
595-TLV1549IP	TLV1549IP	DIP-8	1	10	0.038	SPI	3 to 3.6	1.32	1	1	4.16	3.55	2.94
595-TLC5540IPW	TLC5540IPW	TSSOP-24	1	8	40	Parallel	4.75 to 5.25	85	1	1	4.86	4.16	3.45
595-TLC5510AINS	TLC5510AINS	SOP-24	1	8	20	Parallel	4.75 to 5.25	150	0.75	1	4.43	3.79	3.14
595-TLV571IDW	TLV571IDW	SOP-24	1	8	1.25	Parallel	2.7 to 5.5	12	0.5	0.5	4.73	4.14	3.54
595-TLV571IPW	TLV571IPW	TSSOP-24	1	8	1.25	Parallel	2.7 to 5.5	12	0.5	0.5	4.73	4.14	3.54
595-TLC0820ACDB	TLC0820ACDB	SSOP-20	1	8	0.392	Parallel	4.5 to 8	37.5	1	0.2	3.85	3.73	3.61
595-TLC0820ACDW	TLC0820ACDW	SOP-20	1	8	0.392	Parallel	4.5 to 8	37.5	1	0.2	3.85	3.73	3.61
595-TLC0820ACFN	TLC0820ACFN	PLCC-20	1	8	0.392	Parallel	4.5 to 8	37.5	1	0.2	3.85	3.73	3.61
595-TLC0820ACN	TLC0820ACN	DIP-20	1	8	0.392	Parallel	4.5 to 8	37.5	1	0.2	4.05	3.83	3.61
595-TLC0820AIDW	TLC0820AIDW	SOP-20	1	8	0.392	Parallel	4.5 to 8	37.5	1	0.2	4.12	4.00	3.88
595-TLC0820AIFN	TLC0820AIFN	PLCC-20	1	8	0.392	Parallel	4.5 to 8	37.5	1	0.2	4.12	4.00	3.88
595-TLC0820AIN	TLC0820AIN	DIP-20	1	8	0.392	Parallel	4.5 to 8	37.5	1	0.2	4.34	4.11	3.88
595-TLV0831CD	TLV0831CD	SOP-8	1	8	0.049	SPI	2.7 to 3.6	0.66	0.5	0.5	2.61	2.30	1.98
595-TLV0831CP	TLV0831CP	DIP-8	1	8	0.049	SPI	2.7 to 3.6	0.66	0.5	0.5	2.61	2.30	1.98
595-TLV0831ID	TLV0831ID	SOP-8	1	8	0.049	SPI	2.7 to 3.6	0.66	0.5	0.5	2.81	2.48	2.14
595-TLV0831IP	TLV0831IP	DIP-8	1	8	0.049	SPI	2.7 to 3.6	0.66	0.5	0.5	2.81	2.48	2.14
595-TLC548CD	TLC548CD	SOP-8	1	8	0.0455	SPI	3 to 6	9	0.5	0.5	2.45	2.14	1.82
595-TLC548CP	TLC548CP	DIP-8	1	8	0.0455	SPI	3 to 6	9	0.5	0.5	2.59	2.21	1.82
595-TLC548ID	TLC548ID	SOP-8	1	8	0.0455	SPI	3 to 6	9	0.5	0.5	2.63	2.29	1.95
595-TLC548IP	TLC548IP	DIP-8	1	8	0.0455	SPI	3 to 6	9	0.5	0.5	2.77	2.36	1.95
595-TLC549CD	TLC549CD	SOP-8	1	8	0.04	SPI	3 to 6	9	0.5	0.5	2.15	1.81	1.46
595-TLC549CP	TLC549CP	DIP-8	1	8	0.04	SPI	3 to 6	9	0.5	0.5	2.25	1.86	1.46
595-TLC549ID	TLC549ID	SOP-8	1	8	0.04	SPI	3 to 6	9	0.5	0.5	2.30	1.93	1.55
595-TLC549IP	TLC549IP	DIP-8	1	8	0.04	SPI	3 to 6	9	0.5	0.5	2.43	1.99	1.55
595-TLC0831CD	TLC0831CD	SOP-8	1	8	0.031	SPI	4.75 to 5.25	3	0.4	0.4	2.61	2.30	1.98
595-TLC0831CP	TLC0831CP	DIP-8	1	8	0.031	SPI	4.75 to 5.25	3	0.4	0.4	2.75	2.37	1.98
595-TLC0831ID	TLC0831ID	SOP-8	1	8	0.031	SPI	4.75 to 5.25	3	0.4	0.4	2.81	2.48	2.14
595-TLC0831IP	TLC0831IP	DIP-8	1	8	0.031	SPI	4.75 to 5.25	3	0.4	0.4	2.95	2.55	2.14

DIGITAL TO ANALOG CONVERTERS

♦Surface Mount Device

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MOUSER STOCK NO.	TI Part No.	Pkg.	Analog Inputs	Resolution (Bits)	Sample Rate (MSPS)	Output Type	Supply Voltage (V)	Power Typical (mW)	DNL (Max.) (± LSB)	INL (Max.) (± LSB)	Price Each 1	25	100
595-TLV5610IDW	TLV5610IDW	SOP-20	8	12	0.283	SPI	2.7 to 5.5	18	1	6	16.05	15.48	14.90
595-TLV5610IPW	TLV5610IPW	TSSOP-20	8	12	0.283	SPI	2.7 to 5.5	18	1	6	16.95	16.89	16.79
595-TLV5630IDW	TLV5630IDW	SOP-20	8	12	0.283	SPI	2.7 to 5.5	18	1	6	16.75	16.15	15.55
595-TLV5630IPW	TLV5630IPW	TSSOP-20	8	12	0.283	SPI	2.7 to 5.5	18	1	6	16.75	16.15	15.55
595-TLV5608IDW	TLV5608IDW	SOP-20	8	10	0.283	SPI	2.7 to 5.5	18	1	2	9.80	8.99	8.17
595-TLV5608IPW	TLV5608IPW	TSSOP-20	8	10	0.283	SPI	2.7 to 5.5	18	1	2	9.80	8.99	8.17
595-TLV5631IDW	TLV5631IDW	SOP-20	8	10	0.283	SPI	2.7 to 5.5	18	1	2	9.50	9.16	8.82
595-TLV5631IPW	TLV5631IPW	TSSOP-20	8	10	0.283	SPI	2.7 to 5.5	18	1	2	9.50	9.16	8.82
595-TLV5629IDW	TLV5629IDW	SOP-20	8	8	0.283	SPI	2.7 to 5.5	18	1	1	5.68	5.21	4.74
595-TLV5629IPW	TLV5629IPW	TSSOP-20	8	8	0.283	SPI	2.7 to 5.5	18	1	1	5.68	5.21	4.74
595-TLV5632IDW	TLV5632IDW	SOP-20	8	8	0.283	SPI	2.7 to 5.5	18	1	1	6.06	5.56	5.05
595-TLV5632IPW	TLV5632IPW	TSSOP-20	8	8	0.283	SPI	2.7 to 5.5	18	1	1	6.06	5.56	5.05
595-TLC5628CDW	TLC5628CDW	SOP-16	8	8	0.045	SPI	4.75 to 5.25	15	0.9	1	4.95	4.31	3.67
595-TLC5628CN	TLC5628CN	DIP-16	8	8	0.045	SPI	4.75 to 5.25	15	0.9	1	5.20	4.44	3.67
595-TLC5628IDW	TLC5628IDW	SOP-16	8	8	0.045	SPI	4.75 to 5.25	15	0.9	1	5.33	4.65	3.96
595-TLC5628IN	TLC5628IN	DIP-16	8	8	0.045	SPI	4.75 to 5.25	15	0.9	1	5.58	4.77	3.96
595-TLV5628CDW	TLV5628CDW	SOP-16	8	8	0.045	SPI	2.7 to 5.25	12	0.9	1	4.95	4.31	3.67
595-TLV5628CN	TLV5628CN	DIP-16	8	8	0.045	SPI	2.7 to 5.25	12	0.9	1	5.22	4.45	3.67

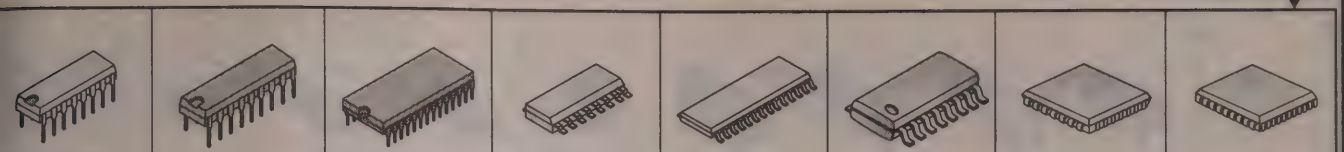
TEXAS INSTRUMENTS Converters

TI DIGITAL TO ANALOG CONVERTERS

◆ Surface Mount Device

For quantities of 250 and up, call for q

MOUSER STOCK NO.	TI Part No.	Pkg.	Input Channel	Resolution (Bits)	Sample Rate (MSPS)	Output	Supply Voltage (V)	Power (mW)	DNL (Max.) (± LSB)	INL (Max.) (± LSB)	Price Each 1	25	10
◆ 595-TLV5628IDW	TLV5628IDW	SOP-16	8	8	0.045	SPI	2.7 to 5.25	12	0.9	1	5.33	4.65	3.
595-TLV5628IN	TLV5628IN	DIP-16	8	8	0.045	SPI	2.7 to 5.25	12	0.9	1	5.58	4.77	3.
◆ 595-TLV5614CD	TLV5614CD	SOP-16	4	12	0.102	SPI	2.7 to 5.5	3.6	1	4	14.09	13.59	13.
◆ 595-TLV5614CPW	TLV5614CPW	TSSOP-16	4	12	0.102	SPI	2.7 to 5.5	3.6	1	4	14.09	13.59	13.
◆ 595-TLV5614ID	TLV5614ID	SOP-16	4	12	0.102	SPI	2.7 to 5.5	3.6	1	4	15.15	14.61	14.
◆ 595-TLV5614IPW	TLV5614IPW	TSSOP-16	4	12	0.102	SPI	2.7 to 5.5	3.6	1	4	15.15	14.61	14.
◆ 595-TLV5604CD	TLV5604CD	SOP-16	4	10	0.102	SPI	2.7 to 5.5	3	1	1	8.17	7.88	7.
◆ 595-TLV5604CPW	TLV5604CPW	TSSOP-16	4	10	0.102	SPI	2.7 to 5.5	3	1	1	8.17	7.88	7.
◆ 595-TLV5604ID	TLV5604ID	SOP-16	4	10	0.102	SPI	2.7 to 5.5	3	1	1	8.78	8.47	8.
◆ 595-TLV5604IPW	TLV5604IPW	TSSOP-16	4	10	0.102	SPI	2.7 to 5.5	3	1	1	8.78	8.47	8.
◆ 595-TLC7225CDW	TLC7225CDW	SOP-24	4	8	0.143	Parallel	11.4 to 16.5	75	1	1	4.37	3.84	3.
◆ 595-TLC7225IDW	TLC7225IDW	SOP-24	4	8	0.143	Parallel	11.4 to 16.5	75	1	1	4.70	4.13	3.
◆ 595-TLC7226CDW	TLC7226CDW	SOP-20	4	8	0.143	Parallel	11.4 to 16.5	90	1	1	4.19	3.68	3.
595-TLC7226CN	TLC7226CN	DIP-20	4	8	0.143	Parallel	11.4 to 16.5	90	1	1	4.41	3.79	3.
◆ 595-TLC7226IDW	TLC7226IDW	SOP-20	4	8	0.143	Parallel	11.4 to 16.5	90	1	1	4.50	3.95	3.
595-TLC7226IN	TLC7226IN	DIP-20	4	8	0.143	Parallel	11.4 to 16.5	90	1	1	4.73	4.07	3.
◆ 595-TLV5627CD	TLV5627CD	SOP-16	4	8	0.107	SPI	2.7 to 5.5	3	0.5	0.5	5.10	4.69	4.
◆ 595-TLV5627ID	TLV5627ID	SOP-16	4	8	0.107	SPI	2.7 to 5.5	3	0.5	0.5	5.50	5.05	4.
◆ 595-TLV5627IPW	TLV5627IPW	TSSOP-16	4	8	0.107	SPI	2.7 to 5.5	3	0.5	0.5	5.50	5.05	4.
◆ 595-TLC5620CD	TLC5620CD	SOP-14	4	8	0.048	SPI	4.75 to 5.25	8	0.9	1	3.04	2.65	2.
595-TLC5620CN	TLC5620CN	DIP-14	4	8	0.048	SPI	4.75 to 5.25	8	0.9	1	3.20	2.73	2.
◆ 595-TLC5620ID	TLC5620ID	SOP-14	4	8	0.048	SPI	4.75 to 5.25	8	0.9	1	3.26	2.84	2.
595-TLC5620IN	TLC5620IN	DIP-14	4	8	0.048	SPI	4.75 to 5.25	8	0.9	1	3.42	2.92	2.
◆ 595-TLV5620CD	TLV5620CD	SOP-14	4	8	0.048	SPI	2.7 to 5.5	6	0.9	1	2.38	2.32	2.
595-TLV5620CN	TLV5620CN	DIP-14	4	8	0.048	SPI	2.7 to 5.5	6	0.9	1	2.50	2.38	2.
◆ 595-TLV5620ID	TLV5620ID	SOP-14	4	8	0.048	SPI	2.7 to 5.5	6	0.9	1	2.61	2.51	2.
595-TLV5620IN	TLV5620IN	DIP-14	4	8	0.048	SPI	2.7 to 5.5	6	0.9	1	2.66	2.54	2.
◆ 595-TLV5621ED	TLV5621ED	SOP-14	4	8	0.008	SPI	2.7 to 5.5	3.6	0.9	1	4.54	3.98	3.
◆ 595-TLV5621ID	TLV5621ID	SOP-14	4	8	0.008	SPI	2.7 to 5.5	3.6	0.9	1	3.71	3.24	2.
◆ 595-TLV5638CD	TLV5638CD	SOP-8	2	12	0.233	SPI	2.7 to 5.25	4.5	1	4	8.35	8.05	7.
◆ 595-TLV5638ID	TLV5638ID	SOP-8	2	12	0.233	SPI	2.7 to 5.25	4.5	1	4	8.98	8.66	8.
◆ 595-TLV5638QD	TLV5638QD	SOP-8	2	12	0.233	SPI	2.7 to 5.25	4.5	1	4	8.45	8.45	8.
◆ 595-TLV5618ACD	TLV5618ACD	SOP-8	2	12	0.093	SPI	2.7 to 5.5	1.8	1	4	8.08	7.41	6.
◆ 595-TLV5618AID	TLV5618AID	SOP-8	2	12	0.093	SPI	2.7 to 5.5	1.8	1	4	8.68	7.97	7.
◆ 595-TLV5618AQD	TLV5618AQD	SOP-8	2	12	0.093	SPI	2.7 to 5.5	1.8	1	4	8.82	8.09	7.
◆ 595-TLC5618AQD	TLC5618AQD	SOP-8	2	12	0.075	SPI	4.75 to 5.25	3	1	4	8.82	8.09	7.
◆ 595-TLV5617ACD	TLV5617ACD	SOP-8	2	10	0.093	SPI	2.7 to 5.5	1.8	0.5	1	5.52	5.46	5.
◆ 595-TLV5617AID	TLV5617AID	SOP-8	2	10	0.093	SPI	2.7 to 5.5	1.8	0.5	1	5.92	5.86	5.
◆ 595-TLC7528CDW	TLC7528CDW	SOP-20	2	8	10	Parallel	4.75 to 15.75	7.5	0.5	0.5	2.99	2.64	2.
◆ 595-TLC7528CFN	TLC7528CFN	PLCC-20	2	8	10	Parallel	4.75 to 15.75	7.5	0.5	0.5	2.99	2.64	2.
595-TLC7528CN	TLC7528CN	DIP-20	2	8	10	Parallel	4.75 to 15.75	7.5	0.5	0.5	2.99	2.64	2.
◆ 595-TLC7528EDW	TLC7528EDW	SOP-20	2	8	10	Parallel	4.75 to 15.75	7.5	0.5	0.5	3.44	3.03	2.
595-TLC7528EN	TLC7528EN	DIP-20	2	8	10	Parallel	4.75 to 15.75	7.5	0.5	0.5	3.62	3.12	2.
◆ 595-TLC7528IDW	TLC7528IDW	SOP-20	2	8	10	Parallel	4.75 to 15.75	7.5	0.5	0.5	3.22	2.84	2.
◆ 595-TLC7528IFN	TLC7528IFN	PLCC-20	2	8	10	Parallel	4.75 to 15.75	7.5	0.5	0.5	3.22	2.84	2.
595-TLC7528IN	TLC7528IN	DIP-20	2	8	10	Parallel	4.75 to 15.75	7.5	0.5	0.5	3.22	2.84	2.
◆ 595-TLC7528IPW	TLC7528IPW	TSSOP-20	2	8	10	Parallel	4.75 to 15.75	7.5	0.5	0.5	3.22	2.84	2.
◆ 595-TLC7628CDW	TLC7628CDW	SOP-20	2	8	10	Parallel	10.8 to 15.75	20	0.5	0.5	3.22	2.63	2.
595-TLC7628CN	TLC7628CN	DIP-20	2	8	10	Parallel	10.8 to 15.75	20	0.5	0.5	2.84	2.44	2.
◆ 595-TLV5626CD	TLV5626CD	SOP-8	2	8	0.278	SPI	2.7 to 5.5	4.2	0.5	1	4.75	4.14	3.
◆ 595-TLV5626ID	TLV5626ID	SOP-8	2	8	0.278	SPI	2.7 to 5.5	4.2	0.5	1	5.11	4.45	3.
◆ 595-TLV5625CD	TLV5625CD	SOP-8	2	8	0.093	SPI	2.7 to 5.5	2.4	0.2	0.5	3.71	3.24	2.
◆ 595-TLV5625ID	TLV5625ID	SOP-8	2	8	0.093	SPI	2.7 to 5.5	2.4	0.2	0.5	4.01	4.00	3.
◆ 595-TLV5619CDW	TLV5619CDW	SOP-20	1	12	1	Parallel	2.7 to 5.5	4.3	1	4	8.72	7.63	6.
◆ 595-TLV5619IDW	TLV5619IDW	SOP-20	1	12	1	Parallel	2.7 to 5.5	4.3	1	4	6.56	6.32	6.
◆ 595-TLV5619IPW	TLV5619IPW	TSSOP-20	1	12	1	Parallel	2.7 to 5.5	4.3	1	4	6.56	6.32	6.
◆ 595-TLV5619QDW	TLV5619QDW	SOP-20	1	12	1	Parallel	2.7 to 5.5	4.3	1	4	9.52	8.33	7.
◆ 595-TLV5613CDW	TLV5613CDW	SOP-20	1	12	0.286	Parallel	2.7 to 5.5	1.2	1	4	6.11	5.89	5.
◆ 595-TLV5613CPW	TLV5613CPW	TSSOP-20	1	12	0.286	Parallel	2.7 to 5.5	1.2	1	4	6.11	5.89	5.
◆ 595-TLV5613IDW	TLV5613IDW	SOP-20	1	12	0.286	Parallel	2.7 to 5.5	1.2	1	4	6.56	6.32	6.
◆ 595-TLV5613IPW	TLV5613IPW	TSSOP-20	1	12	0.286	Parallel	2.7 to 5.5	1.2	1	4	6.56	6.32	6.
◆ 595-TLV5633CDW	TLV5633CDW	SOP-20	1	12	0.286	Parallel	2.7 to 5.5	2.7	0.5	3	8.48	7.78	7.
◆ 595-TLV5633IDW	TLV5633IDW	SOP-20	1	12	0.286	Parallel	2.7 to 5.5	2.7	0.5	3	9.12	8.37	7.
◆ 595-TLV5633IPW	TLV5633IPW	TSSOP-20	1	12	0.286	Parallel	2.7 to 5.5	2.7	0.5	3	9.12	8.37	7.
◆ 595-TLV5639CDW	TLV5639CDW	SOP-20	1	12	0.286	Parallel	2.7 to 5.25	2.7	0.5	3	7.62	7.34	7.
◆ 595-TLV5639IDW	TLV5639IDW	SOP-20	1	12	0.286	Parallel	2.7 to 5.25	2.7	0.5	3	8.19	7.90	7.
◆ 595-TLV5639IPW	TLV5639IPW	TSSOP-20	1	12	0.286	Parallel	2.7 to 5.25	2.7	0.5	3	8.19	7.90	7.
◆ 595-TLV5636CD	TLV5636CD	SOP-8	1	12	0.233	SPI	2.7 to 5.25	4.5	1	4	7.26	6.66	6.
◆ 595-TLV5636ID	TLV5636ID	SOP-8	1	12	0.233	SPI	2.7 to 5.25	4.5	1	4	7.80	7.15	6.
◆ 595-TLV5636IDGK	TLV5636IDGK	TSSOP-8	1	12	0.233	SPI	2.7 to 5.25	4.5	1	4	7.80	7.15	6.
◆ 595-TLV5616CD	TLV5616CD	SOP-8	1	12	0.102	SPI	2.7 to 5.5	0.9	1	4	5.12	4.83	4.
595-TLV5616CP	TLV5616CP	DIP-8	1	12	0.102	SPI	2.7 to 5.5	0.9	1	4	5.12	4.83	4.
◆ 595-TLV5616ID	TLV5616ID	SOP-8	1	12	0.102	SPI	2.7 to 5.5	0.9	1	4	5.52	5.20	4.
◆ 595-TLV5616IDGK	TLV5616IDGK	TSSOP-8	1	12	0.102	SPI	2.7 to 5.5	0.9	1	4	5.52	5.20	4.
◆ 595-TLV5606CD	TLV5606CD	SOP-8	1	10	0.102	SPI	2.7 to 5.5	0.9	1	1.5	2.88	2.84	2.
◆ 595-TLV5606ID	TLV5606ID	SOP-8	1	10	0.102	SPI	2.7 to 5.5	0.9	1	1.5	3.11	3.07	3.
◆ 595-TLV5606IDGK	TLV5606IDGK	TSSOP-8	1	10	0.102	SPI	2.7 to 5.5	0.9	1	1.5	3.11	3.07	3.
◆ 595-TLC5615CD	TLC5615CD	SOP-8	1	10	0.075	SPI	4.75 to 5.25	0.75	0.5	1	3.67	3.23	2.
◆ 595-TLC5615CDGK	TLC5615CDGK	TSSOP-8	1	10	0.075	SPI	4.75 to 5.25	0.75	0.5	1	3.67	3.23	2.
595-TLC5615CP	TLC5615CP	DIP-8	1	10	0.075	SPI	4.75 to 5.25	0.75	0.5	1	3.67	3.23	2.
◆ 595-TLC5615ID	TLC5615ID	SOP-8	1	10	0.075	SPI	4.75 to 5.25	0.75	0.5	1	3.94	3.47	2.
595-TLC5615IP	TLC5615IP	DIP-8	1	10	0.075	SPI	4.75 to 5.25	0.75	0.5	1	3.94	3.47	2.
◆ 595-TLC7524CD	TLC7524CD	SOP-16	1	8	10	Parallel	4.75 to 5.25	5	0.5	0.5	2.86	2.39	1.
◆ 595-TLC7524CFN	TLC7524CFN	PLCC-20	1	8	10	Parallel	4.75 to 5.25	5	0.5	0.5	2.86	2.52	2.
595-TLC7524CN	TLC7524CN	DIP-16	1	8	10	Parallel	4.75 to 5.25	5	0.5	0.5	3.02	2.60	2.
◆ 595-TLC7524CPW	TLC7524CPW	TSSOP-16	1	8	10	Parallel	4.75 to 5.25	5	0.5	0.5	2.86	2.44	2.
595-TLC7524EN	TLC7524EN	DIP-16	1	8	10	Parallel	4.75 to 5.25	5	0.5	0.5	3.44	2.96	2.
◆ 595-TLC7524ID	TLC7524ID	SOP-16	1	8	10	Parallel	4.75 to 5.25	5	0.5	0.5	3.06	2.70	2.
◆ 595-TLC7524IFN	TLC7524IFN	PLCC-16	1	8	10	Parallel	4.75 to 5.25	5	0.5	0.5	3.06	2.70	2.
595-TLC7524IN	TLC7524IN	DIP-16	1	8	10	Parallel	4.75 to 5.25	5	0.5	0.5	3.22	2.78	2.
◆ 595-TLV5624CD	TLV5624CD	SOP-8	1	8	0.233	SPI	2.7 to 5.5	0.9	0.2	0.5	3.51	3.07	2.
◆ 595-TLV5624ID	TLV5624ID	SOP-8	1	8	0.233	SPI	2.7 to 5.5	0.9	0.2	0.5	3.78	3.29	2.
◆ 595-TLV5624IDGK	TLV5624IDGK	TSSOP-8	1	8	0.233	SPI	2.7 to 5.5	0.9	0.2	0.5	3.78	3.29	2.
◆ 595-TLV5623CD	TLV5623CD	SOP-8	1	8	0.102	SPI	2.7 to 5.5	2.1	0.2	0.5	2.48	2.19	1.
◆ 595-TLV5623CDGK	TLV5623CDGK	TSSOP-8	1	8	0.102	SPI	2.7 to 5.5	2.1	0.2	0.5	2.48	2.16	1.
◆ 595-TLV5623ID	TLV5623ID	SOP-8	1	8	0.102	SPI	2.7 to 5.5	2.1	0.2	0.5	2.66	2.32	1.
◆ 595-TLV5623IDGK	TLV5623IDGK	TSSOP-8	1	8	0.102	SPI	2.7 to 5.5	2.1	0.2	0.5	2.66	2.32	1.



DIP-16 | DIP-18 | DIP-28 | TSSOP-16 | SO-16 | SO-28 | PLCC-28 | PLCC-44

ANALOG MULTIPLEXERS

8-Channel Differential

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Switch On-Resistance (Max)(Ω)	Drain On Leakage Current (Max)(nA)	Transition Time (Max)(nS)	Change Injection (Typ)(pC)	Analog Signal Range (V)	Package Power Dissipation (Max)(mW)	Temp. Range (°C)	Price Each 1	100	500	1000
Surface Mount													
781-DG409DQ	DG409DQ-T1	TSSOP-16	100	1	250	20	+/- 15	600	-40 to +85	2.83	2.57	2.18	1.93
781-DG409DY	DG409DY	SO-16	100	1	250	20	+/- 15	600	-40 to +85	2.62	2.38	2.02	1.79
Thru-Hole													
781-DG409DJ	DG409DJ	DIP-16	100	1	250	20	+/- 15	450	-40 to +85	3.09	2.81	2.39	2.11

8-Channel Single Ended

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Switch On-Resistance (Max)(Ω)	Drain On Leakage Current (Max)(nA)	Transition Time (Max)(nS)	Change Injection (Typ)(pC)	Analog Signal Range (V)	Package Power Dissipation (Max)(mW)	Temp. Range (°C)	Price Each 1	100	500	1000
Surface Mount													
781-DG408LDY	D408LDY	SO-16	30	0.3	60	5	- 6 to + 12	600	-40 to +85	1.25	1.14	.97	.86
781-DG408DQ	DG408DQ-T1	TSSOP-16	100	1	250	20	+/- 15	600	-40 to +85	2.83	2.57	2.18	1.93
781-DG408DY	DG408DY	SO-16	100	1	250	20	+/- 15	600	-40 to +85	2.62	2.38	2.02	1.79
Thru-Hole													
781-DG408DJ	DG408DJ	DIP-16	100	1	250	20	+/- 15	450	-40 to +85	3.09	2.81	2.39	2.11
781-DG428DJ	DG428DJ	DIP-18	100	1	250	1	+/- 15	470	-40 to +85	4.43	4.03	3.43	3.02

4-Channel Differential

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Switch On-Resistance (Max)(Ω)	Drain On Leakage Current (Max)(nA)	Transition Time (Max)(nS)	Change Injection (Typ)(pC)	Analog Signal Range (V)	Package Power Dissipation (Max)(mW)	Temp. Range (°C)	Price Each 1	100	500	1000
Surface Mount													
781-DG407DN	D407DN	PLCC-28	100	1	350	15	+/- 15	450	-40 to +85	7.06	6.42	5.46	4.82
781-DG407DW	DG407DW	SO-28	100	1	350	15	+/- 15	450	-40 to +85	7.73	7.03	5.98	5.27
Thru-Hole													
781-DG407DJ	DG407DJ	DIP-28	100	1	350	15	+/- 15	625	-40 to +85	6.67	6.06	5.15	4.55

4-Channel Single Ended

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Switch On-Resistance (Max)(Ω)	Drain On Leakage Current (Max)(nA)	Transition Time (Max)(nS)	Change Injection (Typ)(pC)	Analog Signal Range (V)	Package Power Dissipation (Max)(mW)	Temp. Range (°C)	Price Each 1	100	500	1000
Surface Mount													
781-DG536DN	DG536DN	PLCC-44	90	10	300	- 35	0 to + 10	450	-40 to +85	10.38	9.44	8.02	7.08
781-DG406DN	DG406DN	PLCC-28	100	1	350	15	+/- 15	450	-40 to +85	5.85	5.32	4.52	3.99
781-DG406DW	DG406DW	SO-28	100	1	350	15	+/- 15	450	-40 to +85	6.38	5.80	4.93	4.35
Thru-Hole													
781-DG406DJ	DG406DJ	DIP-28	100	1	350	15	+/- 15	625	-40 to +85	5.62	5.11	4.34	3.83

8X4 VIDEO CROSSPOINT ARRAY

4-Channel Differential

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Switch On-Resistance (Max)(Ω)	Source-On Leakage Current (Max)(nA)	Transition Time (Max)(nS)	Change Injection (Typ)(pC)	Analog Signal Range (V)	Package Power Dissipation (Max)(mW)	Temp. Range (°C)	Price Each 1	100	500	1000
Surface Mount													
781-DG884DN	DG884DN	PLCC-44	90	20	300	- 100	- 5 to 8	450	-40 to +85	13.07	11.88	10.10	8.91

ANALOG SWITCHES

4-Channel SPST

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Switch On-Resistance (Max)(Ω)	Source Off Leakage Current (Max)(nA)	Turn-On Time (Max)(nS)	Charge Injection (Typ)(pC)	Supply Voltage (Max)(V)	Package Power Dissipation (Max)(mW)	Temp. Range (°C)	Price Each 1	100	500	1000
Surface Mount													
781-DG641DY	DG641DY	SO-16	15	10	70	- 19	21	600	-40 to +85	3.04	2.76	2.35	2.07
781-DG411DY	DG411DY	SO-16	35	0.25	175	5	44	600	-40 to +85	2.30	2.09	1.78	1.57
781-DG412DY	DG412DY	SO-16	35	0.25	175	5	44	600	-40 to +85	1.99	1.81	1.54	1.36
781-DG413DY	DG413DY	SO-16	35	0.25	175	5	44	600	-40 to +85	1.99	1.81	1.54	1.36
781-DG611DY	DG611DY	SO-16	45	0.25	25	4	21	600	-40 to +85	3.34	3.04	2.58	2.28
781-DG612DY	DG612DY	SO-16	45	0.25	25	4	21	600	-40 to +85	3.34	3.04	2.58	2.28
781-DG613DY	DG613DY	SO-16	45	0.25	35	7	21	600	-40 to +85	3.34	3.04	2.58	2.28
781-DG201HSDQ	DG201HSDQ	TSSOP-16	50	1	60	- 5	44	600	-40 to +85	3.55	3.23	2.75	2.42
781-DG201HSDY	DG201HSDY	SO-16	50	1	60	- 5	44	600	-40 to +85	4.11	3.74	3.18	2.81
781-DG271BDY	DG271BDY	SO-16	50	1	65	9	44	600	-40 to +85	4.32	3.93	3.34	2.95
781-DG541DY	DG541DY	SO-16	60	10	70	- 25	21	640	-40 to +85	3.26	2.96	2.52	2.22
781-DG441DY	DG441DY	SO-16	85	0.5	250	1	44	900	-40 to +85	1.58	1.44	1.22	1.08
781-DG442DY	DG442DY	SO-16	85	0.5	250	1	44	900	-40 to +85	1.58	1.44	1.22	1.08
781-DG444DY	DG444DY	SO-16	85	0.5	250	1	44	640	-40 to +85	1.65	1.50	1.28	1.13
781-DG445DY	DG445DY	SO-16	85	0.5	250	1	44	640	-40 to +85	1.65	1.50	1.28	1.13
781-DG201BDQ	DG201BDQ	TSSOP-16	85	0.5	300	1	44	640	-40 to +85	1.78	1.62	1.38	1.22
781-DG201BDY	DG201BDY	SO-16	85	0.5	300	1	44	640	-40 to +85	1.61	1.46	1.24	1.10
781-DG202BDQ	DG202BDQ	TSSOP-16	85	0.5	300	1	44	640	-40 to +85	1.78	1.62	1.38	1.22
781-DG202BDY	DG202BDY-T1	SO-16	85	0.5	300	1	44	640	-40 to +85	1.67	1.52	1.29	1.14
781-DG211BDQ	DG211BDQ-T1	TSSOP-16	85	0.5	300	1	44	640	-40 to +85	1.55	1.41	1.20	1.06
781-DG211BDY	DG211BDY	SO-16	85	0.5	300	1	44	640	-40 to +85	1.55	1.41	1.20	1.06
781-DG212BDQ	DG212BDQ-T1	TSSOP-16	85	0.5	300	1	44	640	-40 to +85	1.61	1.46	1.24	1.10
781-DG212BDY	DG212BDY	SO-16	85	0.5	300	1	44	640	-40 to +85	1.55	1.41	1.20	1.06

SILICONIX Analog IC's

DIP-8

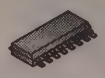
DIP-14

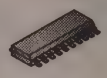
DIP-16

DIP-20

CDIP-16

SO-8


SO-16


SO-20

TSOP-6

MSOP-8

ANALOG SWITCHES

4-Channel SPST

For quantities of 2000 and up, call for q

MOUSER STOCK NO.	Siliconix Part No.	Package	Switch On-Resistance (Max)(Ω)	Source Off Leakage Current (Max)(nA)	Turn-On Time (Max)(nS)	Charge Injection (Typ)(pC)	Supply Voltage (Max)(V)	Package Power Dissipation (Max)(mW)	Temp. Range (°C)	Price Each 1	100	500	1
Thru-Hole													
781-DG411DJ	DG411DJ	DIP-16	35	0.25	175	5	44	470	-40 to +85	3.18	2.89	2.46	2
781-DG412DJ	DG412DJ	DIP-16	35	0.25	175	5	44	470	-40 to +85	2.86	2.60	2.21	1
781-DG413DJ	DG413DJ	DIP-16	35	0.25	175	5	44	470	-40 to +85	2.86	2.60	2.21	1
781-DG611DJ	DG611DJ	DIP-16	45	0.25	25	4	21	470	-40 to +85	3.30	3.00	2.55	2
781-DG612DJ	DG612DJ	DIP-16	45	0.25	25	4	21	470	-40 to +85	3.30	3.00	2.55	2
781-DG613DJ	DG613DJ	DIP-16	45	0.25	35	7	21	470	-40 to +85	3.30	3.00	2.55	2
781-DG201HSDJ	DG201HSDJ	DIP-16	50	1	60	- 5	44	470	-40 to +85	4.11	3.74	3.18	2
781-DG271BCJ	DG271BCJ	DIP-16	50	1	65	9	44	470	0 to +70	4.32	3.93	3.34	2
781-DG541DJ	DG541DJ	DIP-16	60	10	70	- 25	21	470	-40 to +85	3.20	2.91	2.47	2
781-DG441DJ	DG441DJ	DIP-16	85	0.5	250	1	44	450	-40 to +85	1.99	1.81	1.54	1
781-DG442DJ	DG442DJ	DIP-16	85	0.5	250	1	44	450	-40 to +85	1.99	1.81	1.54	1
781-DG444DJ	DG444DJ	DIP-16	85	0.5	250	1	44	450	-40 to +85	1.65	1.50	1.28	1
781-DG445DJ	DG445DJ	DIP-16	85	0.5	250	1	44	450	-40 to +85	1.65	1.50	1.28	1
781-DG201AAK	DG201AAK	CDIP-16	85	0.5	300	1	44	900	-55 to +125	5.54	5.04	4.28	3
781-DG201BAK	DG201BAK	CDIP-16	85	0.5	300	1	44	900	-55 to +125	5.10	4.64	3.94	3
781-DG201BDJ	DG201BDJ	DIP-16	85	0.5	300	1	44	470	-40 to +85	1.61	1.46	1.24	1
781-DG202BAK	DG202BAK	CDIP-16	85	0.5	300	1	44	900	-55 to +125	6.27	5.70	4.85	4
781-DG202BDJ	DG202BDJ	DIP-16	85	0.5	300	1	44	470	-40 to +85	1.61	1.46	1.24	1
781-DG211BDJ	DG211BDJ	DIP-16	85	0.5	300	1	44	470	-40 to +85	1.55	1.41	1.20	1
781-DG212BDJ	DG212BDJ	DIP-16	85	0.5	300	1	44	470	-40 to +85	1.55	1.41	1.20	1
781-DG202CJ	DG202CJ	DIP-16	200	5	600	20	44	470	0 to +70	1.72	1.56	1.33	1

4-Channel SPDT

Surface Mount													
781-DG333ADW	DG333ADW	SO-20	45	0.25	175	10	44	800	-40 to +85	3.76	3.42	2.91	2
781-DG333ALDW	DG333ALDW	SO-20	45	0.25	175	10	44	800	-40 to +85	4.50	4.09	3.48	3
Thru-Hole													
781-DG333ADJ	DG333ADJ	DIP-20	45	0.25	175	10	44	890	-40 to +85	4.39	3.99	3.39	2
781-DG333ALDJ	DG333ALDJ	DIP-20	45	0.25	175	10	44	890	-40 to +85	4.71	4.28	3.64	3

2-Channel SPST

Surface Mount													
781-DG9232DQ	DG9232DQ-T1	MSOP-8	30	0.01	120	1	13	400	-40 to +85	1.42	1.29	1.10	
781-DG9232DY	DG9232DY	SO-8	30	0.01	120	1	13	400	-40 to +85	1.30	1.18	1.00	
781-DG9233DQ	DG9233DQ-T1	MSOP-8	30	0.01	120	1	13	400	-40 to +85	1.42	1.29	1.10	
781-DG9233DY	DG9233DY	SO-8	30	0.01	120	1	13	400	-40 to +85	1.30	1.18	1.00	
781-DG9262DQ	DG9262DQ-T1	MSOP-8	80	0.01	120	1	13	400	-40 to +85	1.38	1.25	1.06	
781-DG9262DY	DG9262DY	SO-8	80	0.01	120	1	13	400	-40 to +85	1.25	1.14	.97	
781-DG9263DQ	DG9263DQ-T1	MSOP-8	80	0.01	120	1	13	400	-40 to +85	1.38	1.25	1.06	
781-DG9263DY	DG9263DY	SO-8	80	0.01	120	1	13	400	-40 to +85	1.25	1.14	.97	
Thru-Hole													
781-DG200BDJ	DG200BDJ	DIP-14	85	2	1000	1	25	470	-40 to +85	1.78	1.62	1.38	1

2-Channel SPDT

Surface Mount													
781-DG643DY	DG643DY	SO-16	15	10	70	- 19	21	600	-40 to +85	3.07	2.79	2.37	3
781-DG403DY	DG403DY	SO-16	35	0.25	150	60	44	600	-40 to +85	3.11	2.83	2.41	2
Thru-Hole													
781-DG403DJ	DG403DJ	DIP-16	35	0.25	150	60	44	450	-40 to +85	3.55	3.23	2.75	2
781-DG303AAK	DG303AAK	DIP-14	50	1	300	8	44	470	-55 to +125	8.05	7.32	6.22	5
781-DG5043CJ	DG5043CJ	DIP-16	50	1	1200	30	44	470	0 to +70	4.29	3.90	3.32	2
781-DG303BDJ	DG303BDJ	DIP-14	50	5	150	8	44	470	-40 to +85	3.34	3.04	2.58	2

2-Channel DPST

Surface Mount													
781-DG405DY	DG405DY	SO-16	35	0.25	150	60	44	600	-40 to +85	3.55	3.23	2.75	2
Thru-Hole													
781-DG405DJ	DG405DJ	DIP-16	35	0.25	150	60	44	450	-40 to +85	3.55	3.23	2.75	2

1-Channel SPST

Surface Mount													
781-DG417DY	DG417DY	SO-8	35	0.25	175	60	44	400	-40 to +85	1.42	1.29	1.10	
781-DG418DY	DG418DY	SO-8	35	0.25	175	60	44	400	-40 to +85	1.42	1.29	1.10	
781-DG9431DV	DG9431DV-T1	TSOP-6	50	0.01	120	1	13	400	-40 to +85	1.30	1.18	1.00	
781-DG9431DY	DG9431DY	SO-8	50	0.01	120	1	13	400	-40 to +85	1.30	1.18	1.00	
781-DG9461DV	DG9461DV-T1	TSOP-6	80	5	120	1	13	400	-40 to +85	1.23	1.12	.95	
781-DG9461DY	DG9461DY	SO-8	80	5	120	1	13	400	-40 to +85	1.23	1.12	.95	
Thru-Hole													
781-DG418DJ	DG418DJ	DIP-8	35	0.25	175	60	44	400	-40 to +85	1.74	1.58	1.34	1

1-Channel SPDT

Surface Mount													
781-DG642DY	DG642DY	SO-8	8	10	100	- 40	21	300	-40 to +85	2.32	2.11	1.79	1
781-DG419DY	DG419DY	SO-8	35	0.25	175	60	44	400	-40 to +85	1.42	1.29	1.10	
Thru-Hole													
781-DG642DJ	DG642DJ	DIP-8	8	10	100	- 40	21	300	-40 to +85	2.28	2.07	1.76	1
781-DG419DJ	DG419DJ	DIP-8	35	0.25	175	60	44	400	-40 to +85	2.18	1.98	1.68	1

ZETEX SEMICONDUCTORS

ETEX VIDEO & HIGH SPEED BUFFERS

♦Surface Mount Device

MOUSER STOCK NO.	Zetex Part No.	Package	Description	Supply Voltage (V)	Supply Current (mA)	Bandwidth 1.0v p-p MHz	Slew Rate (V/μs)	Price Each 1	25	100	250	Reel Qty.	Price Ea.
522-ZXFBF04N14TA	ZXFBF04N14	SO14N	Quad buffer - low power	±5V ±5%	7.6	20	40	2.99	2.65	2.35	2.05	500	1.80
522-ZXFBF05N14TA	ZXFBF05N14	SO14N	Quad buffer with high capacitance load handling	±5V ±5%	30	20	40	2.99	2.65	2.35	2.05	500	1.80

ETEX SINGLE AND MULTI-CELL SYSTEM POWER BOOST CONVERTERS

MOUSER STOCK NO.	Zetex Part No.	Package	Input Voltage Range (V)	Output Voltage Range (1) (V)	Line Regulation (%/V)	Typical Quiescent Current μA	Efficiency (%) Vout=3.0V, Iout=50mA	Typical Output Tolerance (%)	Price Each 1	25	100	250	Reel Qty.	Price Ea.
522-ZXSC100X8TA	ZXSC100X8	MSOP8	0.93-3.5	Vin to Vm	7	150	82	4	1.70	1.41	1.22	1.13	500	1.04
522-ZXSC100N8TA	ZXSC100N8	SO8	0.93-3.5	Vin to Vm	7	150	82	4	1.70	1.41	1.22	1.13	1,000	.95
522-ZXSC410E6TA	ZXSC410E6	SOT23-6	1.8-8.0	Vin to Vm	0.5	150	85	1	1.34	1.12	.96	.88	3,000	.61
522-ZXSC420E6TA	ZXSC420E6	SOT23-6	1.8-8.0	Vin to Vm	0.5	150	85	1	1.34	1.12	.96	.88	3,000	.61

ETEX ZXCT SERIES - CURRENT MONITORS

e ZXCT range of high-side current monitors and current sense amplifiers provide elegant design solutions for current measurement and power control. The ZXCT1009 current sensing monitor takes a high-side voltage developed oss a current shunt resistor and, acting as a current mirror, translates it into a scaled ground referenced voltage. The ZXCT1010 offers reduced typical offset and improved accuracy at low sense voltages. The ZXCT1021/1022 current se amplifiers are particularly suited to low sense voltage applications. The ZXCT1030 includes a 1.2V bandgap reference and comparator.

High-side current sensing • Output voltage scaling • Up to 2.5V sense voltage • 2.5-20V supply range • 1% typical accuracy

MOUSER STOCK NO.	Zetex Part No.	Package	Description	V_{IN} (V)	Accuracy @ V_{sense}= 100mV	Typical Quiescent Current μA	Gain (Output/V_{sense})	Bandwidth (MHz)	Price Each 1	25	100	250	Reel Qty.	Price Ea.
522-ZXCT1009FTA	ZXCT1009F	SOT23	Simple current monitor	2.5 to 20	+/- 2.5%	5	User defined	2	.69	.62	.56	.51	3000	.39
522-ZXCT1009T8TA	ZXCT1009T8TA	SM8	Simple current monitor	2.5 to 20	+/- 2.5%	5	User defined	2	6.26	4.62	4.99	4.26	1000	3.62
522-ZXCT1010E5TA	ZXCT1010E5	SOT23-5	Enhanced offset	2.5 to 20	+/- 2.5%	4	User defined	2	1.12	.95	.80	.69	3000	.46
522-ZXCT1021E5TA	ZXCT1021E5TA	SOT23-5	For low sense voltage	2.5 to 20	+/- 2%	25	10	1	1.15	1.06	.92	.84	3000	.60
522-ZXCT1022E5TA	ZXCT1022E5	SOT23-5	For low sense voltage	2.5 to 20	+/- 2%	25	100	1	1.15	1.06	.92	.84	3000	.57
522-ZXCT1030X8TA	ZXCT1030X8TA	MSOP8	With internal reference & comparator	2.2 to 20	+/- 3%	270	10	6	2.20	1.79	1.50	1.25	1000	.90

ETEX LED/LCD DRIVER SOLUTIONS/LIGHTING ICS

e inherent flexibility of the ZXSC circuit means that parallel or series LEDs can be driven depending on application needs. A simple modification to the application circuit means that the maximum pulse current can be programmed to tch the characteristics of the chosen LED load, and pulse current in the range 10mA to 3A and beyond can be easily achieved.

MOUSER STOCK NO.	Zetex Part No.	Package	Input Voltage Range (V)	Output Voltage Range (1) (V)	Shutdown Current (μA)	Typical Quiescent Current μA	Efficiency V_{in}=3.0V	Price Each 1	25	100	250	Reel Qty.	Price Ea.
522-ZXSC300E5TA	ZXSC300E5	SOT23-5	0.8-8.0	Vin to Vm	- - -	200	88 with 1 LED	.79	.62	.55	.49	3,000	.34
522-ZXSC310E5TA	ZXSC310E5	SOT23-5	0.8-8.0	Vin to Vm	4	200	88 with 1 LED	.89	.72	.65	.59	3,000	.45
522-ZXSC400E6TA	ZXSC400E6	SOT23-6	1.8-8.0	Vin to Vm	3	150	80 with 4 LEDs	1.60	1.35	1.13	.98	3,000	.71
522-ZXLB1600X10TA	ZXLB1600X10	MSOP10	1.6 - 5.5	28	5	85	75	1.85	1.72	1.60	1.49	1,000	1.30
522-ZXLD1100H6TA	ZXLD1100H6TA	SC70-6	2.5-5.5	28	0.5	60	80 with 3 LEDs	2.70	2.49	2.29	2.08	3,000	1.85
522-ZXLD1101ET5TA	ZXLD1101ET5TA	TSOT23-5	2.5-5.5	28	0.5	60	80 with 3 LEDs	2.15	1.99	1.79	1.67	3,000	1.49

ETEX VARIABLE SPEED BRUSHLESS FAN MOTOR CONTROLLER

MOUSER STOCK NO.	Zetex Part No.	Package	Type	Quiescent Current Max. (mA)	Output Drive Current Max. (mA)	PWM Frequency (kHz)	Output Flag	Price Each 1	25	100	250	Reel Qty.	Price Ea.
522-ZXBM1004Q16TA	ZXBM1004Q16TA	SOT223	Single	8	5	24	FG and RD	1.18	1.01	.93	.88	500	.88
522-ZXBM2004Q16TA	ZXBM2004Q16TA	QSOP-16	Dual	7.5	5	24	FG and RD	1.04	.90	.82	.75	500	.73
522-ZXBM2001X10TA	ZXBM2001X10	MSOP10	Dual	3	80	1-50	Rotor lock and Speed Pulse	1.41	1.19	1.00	.87	1000	.68
522-ZXBM2002X10TA	ZXBM2002X10	MSOP10	Dual	3	80	1-50	Rotor lock only	1.25	1.11	.90	.81	1000	.63
522-ZXBM2003X10TA	ZXBM2003X10	MSOP10	Dual	3	80	1-50	Speed pulse only	1.25	1.11	.90	.81	1000	.63

ETEX ANALOG VIDEO PRODUCTS

e Zetex range of video solutions has been expanded by the addition of a sync separator and a DC restore amplifier. The ZXFV4583 separates out the embedded sync information from PAL, NTSC, SECAM and other analog video gnals. The ZXFV4089 uses a sync pulse (typically from a sync separator) to restore the video black level to the correct DC voltage. The high speed amplifiers/buffers include quad and single amplifiers plus mult-channel unity-gain ffers. The ZXFV202, single video amplifier, is available in SOT23 and SO8 offering superb differential gain and phase performance of 0.01%/0.01° respectively. ZXFV301N16 and ZXFV302N16 4:1 multiplexers are for use in video d other high speed applications. For greater versatility the ZXFV301/302 have different channel selection plus an output enable.

MOUSER STOCK NO.	Zetex Part No.	Package	Type	Supply Voltage (V)	Supply Current (mA)	Price Each 1	25	100	250	Reel Qty.	Price Ea.
522-ZXFV201EV	ZXFV201EV	Eval Board	For ZXFV201N14	±5 ±5%	28	80.00	75.00	75.00	75.00	-	-
522-ZXFV201N14TA	ZXFV201N14TA	SO14N	Quad Video Amp	±5 ±5%	28	3.25	2.85	2.55	2.25	500	1.70
522-ZXFV202E5TA	ZXFV202E5TA	SOT23-5	Video Amp	±5 ±5%	7	1.55	1.25	1.05	.90	3000	.68
522-ZXFV202N8EV	ZXFV202N8EV	Eval Board	For ZXFV202N8TA	±5 ±5%	7	80.00	75.00	75.00	75.00	-	-
522-ZXFV202N8TA	ZXFV202N8TA	SO8N	Video Amp	±5 ±5%	7	1.55	1.25	1.05	.90	500	.79
522-ZXFV203EV	ZXFV203EV	Eval Board	For ZXFV203N14TA	±5 ±5%	21	80.00	75.00	75.00	75.00	-	-
522-ZXFV203N14TA	ZXFV203N14TA	SO14N	Triple Video Amp	±5 ±5%	21	2.99	2.79	2.63	2.50	500	2.39
522-ZXFV204N8TA	ZXFV204N8TA	SOIC-8	Current Feedback Amp	±5 ±5%	14	1.96	1.67	1.53	1.46	500	1.46
522-ZXFV4089N8TA	ZXFV4089N8TA	SO8N	DC Restoration Amp	±5 ±5%	8	3.55	2.96	2.49	2.10	500	1.58
522-ZXFV301N16TA	ZXFV301N16TA	SO16N	4:1 Multiplexer	±5 ±5%	17	5.99	5.35	4.75	4.05	500	4.05
522-ZXFV302EV	ZXFV302EV	Eval Board	For ZXFV302N16	±5 ±5%	17	80.00	75.00	75.00	75.00	-	-
522-ZXFV302N16TA	ZXFV302N16TA	SO16N	4:1 Multiplexer	±5 ±5%	17	5.99	5.35	4.75	4.05	500	4.05
522-ZXFV304N16TA	ZXFV304N16TA	SO16N	4:1 G2 Multiplexer	±5 ±5%	17	80.00	75.00	75.00	75.00	-	-
522-ZXFV4583EV	ZXFV4583EV	Eval Board	For ZXFV4583N16	5	4.5	102.00	97.00	97.00	97.00	-	-
522-ZXFV4583N16TA	ZXFV4583N16	SO16	Sync Seperator	5	4.5	7.88	6.57	5.52	4.60	500	4.31

ETEX SERIES - CLASS D AUDIO SOLUTIONS

MOUSER STOCK NO.	Zetex Part No.	Package	Description	Supply Voltage (V)	Input	Output	THD+N	Reference	Price Each 1	25	100	250	Reel Qty.	Price Ea.
522-ZXCD1000EQ16TA	ZXCD1000EQ16TA	EQSOP16	Mono Class D	12 to 18	Analog	PWM	0.20%	yes	4.25	4.08	3.89	3.75	500	3.62

ALD Precision Operational Amplifiers

ADVANCED LINEAR DEVICES, IN

OPERATIONAL AMPLIFIERS - INSTRUMENT GRADE, OSCILLATION FREE

- Temp. range 0 to 70°C
- Patented EPAD(R) Technology
- Class AB output drivers
- Voltage Supply Aux. Max. 12(+/-6)V
- Symmetrical complementary outputs
- High temperature stable
- Ultra low input offset voltage
- Ultra low input bias currents
- Rail to rail input and output
- Unity gain stable
- Cable driver
- Ringing free
- ◆ Surface Mo

Rail to Rail Input/Output Voltage

For quantities 250 and up, call for quo

MOUSER STOCK NO.	ALD Part No.	Description	Package	Gain Bandwidth (MHz) Typ.	Slew Rate (V/μS) Typ.	Input Offset (Max.)(mV)	Input Bias (Max.)(pA)	Supply Volt. (V) Min.	Isup. per Amp (mA) Max.	Price Each 1	25	100
◆585-ALD2706SA	ALD2706SA	Ultra-Micropower, Dual	SO-8	0.2	0.1	10	20	2(+/-1)	.04	3.37	2.68	2.15
585-ALD2706PA	ALD2706PA	Ultra-Micropower, Dual	DIP-8	0.2	0.1	10	20	2(+/-1)	.04	3.37	2.68	2.15
◆585-ALD4706SB	ALD4706SB	Ultra-Micropower, Quad	SO-14	0.2	0.17	10	20	2(+/-1)	.05	6.27	4.98	3.99
585-ALD4706PB	ALD4706PB	Ultra-Micropower, Quad	DIP-14	0.2	0.17	10	20	2(+/-1)	.05	6.27	4.98	3.99
◆585-ALD1706SA	ALD1706SA	Ultra-Micropower, Single	SO-8	0.4	0.17	4.5	30	2(+-/1)	.04	3.08	2.44	1.96
585-ALD1706PA	ALD1706PA	Ultra-Micropower, Single	DIP-8	0.4	0.17	4.5	30	2(+-/1)	.04	3.08	2.44	1.96
◆585-ALD1701GSA	ALD1701GSA	Micropower, Single	SO-8	0.7	0.7	10	30	2(+/-1)	.25	1.64	1.30	1.04
◆585-ALD1701SA	ALD1701SA	Micropower, Single	SO-8	0.7	0.7	4.5	30	2(+/-1)	.25	2.28	1.81	1.45
◆585-ALD2701SA	ALD2701SA	Micropower, Dual	SO-8	0.7	0.7	10	50	2(+/-1)	.25	2.53	2.01	1.61
◆585-ALD4701SB	ALD4701SB	Micropower, Quad	SO-14	0.7	0.7	10	30	2(+/-1)	.25	4.79	3.80	3.05
585-ALD1701GPA	ALD1701GPA	Micropower, Single	DIP-8	0.7	0.7	10	30	2(+/-1)	.25	1.64	1.30	1.04
585-ALD1701PAL	ALD1701PAL	Micropower, Single	DIP-8	0.7	0.7	4.5	30	2(+/-1)	.25	2.28	1.81	1.45
585-ALD2701PAL	ALD2701PAL	Micropower, Dual	DIP-8	0.7	0.7	10	50	2(+/-1)	.25	2.53	2.01	1.61
585-ALD4701PB	ALD4701PB	Micropower, Quad	DIP-14	0.7	0.7	10	30	2(+/-1)	.25	4.79	3.80	3.05
◆585-ALD2702SA	ALD2702SA	5V Precision, Dual	SO-8	1.5	1.9	5	20	4(+/-2)	1.50	2.69	2.14	1.71
◆585-ALD4702SB	ALD4702SB	5V Precision, Quad	SO-14	1.5	1.9	5	30	4(+/-2)	1.50	4.83	3.84	3.07
585-ALD2702PA	ALD2702PA	5V Precision, Dual	DIP-8	1.5	1.9	5	20	4(+/-2)	1.50	2.69	2.14	1.71
585-ALD4702PB	ALD4702PB	5V Precision, Quad	DIP-14	1.5	1.9	5	30	4(+/-2)	1.50	4.83	3.84	3.07
◆585-ALD1702SA	ALD1702SA	5V Precision, Single	SO-8	1.5	2.1	4.5	30	4(+/-2)	2.00	2.87	2.28	1.83
585-ALD1702PA	ALD1702PA	5V Precision, Single	DIP-8	1.5	2.1	4.5	30	4(+/-2)	2.00	2.87	2.28	1.83
◆585-ALD1704SA	ALD1704SA	High Slew Rate, Single	SO-8	2.1	5	4.5	20	6.5(+/-3.25)	4.50	3.40	2.70	2.16
◆585-ALD2704SA	ALD2704SA	High Slew Rate, Dual	SO-8	2.1	5	5	20	6.5(+/-3.25)	3.25	2.69	2.14	1.71
◆585-ALD4704SB	ALD4704SB	High Slew Rate, Quad	SO-14	2.1	5	5	20	6.5(+/-3.25)	3.25	4.31	3.42	2.74
585-ALD1704PA	ALD1704PA	High Slew Rate, Single	DIP-8	2.1	5	4.5	20	6.5(+/-3.25)	4.50	3.08	2.44	1.96
585-ALD2704PA	ALD2704PA	High Slew Rate, Dual	DIP-8	2.1	5	5	20	6.5(+/-3.25)	3.25	2.69	2.14	1.71
585-ALD4704PB	ALD4704PB	High Slew Rate, Quad	DIP-14	2.1	5	5	20	6.5(+/-3.25)	3.25	4.31	3.42	2.74

ULTRA LOW VOS @ ULTRA LOW BIAS CMOS OPERATIONAL AMPLIFIERS + ULTRA LOW INPUT

Signal Power EPAD(R) Operational Amplifiers

For quantities 250 and up, call for quo

MOUSER STOCK NO.	ALD Part No.	Description	Package	Gain Bandwidth (MHz) Typ.	Slew Rate (V/μS) Typ.	Input Offset (Max.)(mV)	Input Bias (Max.)(pA)	Supply Voltage Min.	Supply Voltage Max.	Isup. per Amp (mA) Max.	Price Each 1	25	100
◆585-ALD2706ASA	ALD2706ASA	Ultra-Micropower, Dual	SO-8	0.2	0.1	2	20	2(+/-1)	12(+/-6)	.04	5.38	4.27	3.42
◆585-ALD2706BSA	ALD2706BSA	Ultra-Micropower, Dual	SO-8	0.2	0.1	5	20	2(+/-1)	12(+/-6)	.04	4.01	3.19	2.55
◆585-ALD2726SB	ALD2726SB	Ultra-Micropower High Precision, Dual	SO-14	0.2	0.1	0.15	10	2(+/-1)	10(+/-5)	.04	3.58	2.84	2.28
585-ALD2706APA	ALD2706APA	Ultra-Micropower, Dual	DIP-8	0.2	0.1	2	20	2(+/-1)	12(+/-6)	.04	5.38	4.27	3.42
585-ALD2706BPAL	ALD2706BPAL	Ultra-Micropower, Dual	DIP-8	0.2	0.1	5	20	2(+/-1)	12(+/-6)	.04	5.38	4.27	3.42
585-ALD2726PB	ALD2726PB	Ultra-Micropower High Precision, Dual	DIP-14	0.2	0.1	0.15	10	2(+/-1)	10(+/-5)	.04	3.58	2.84	2.28
◆585-ALD4706BSB	ALD4706BSB	Ultra-Micropower, Quad	SO-14	0.2	0.17	5	20	2(+/-1)	12(+/-6)	.05	8.94	7.10	5.68
585-ALD4706BPB	ALD4706BPB	Ultra-Micropower, Quad	DIP-14	0.2	0.17	5	20	2(+/-1)	12(+/-6)	.05	8.94	7.10	5.68
◆585-ALD1706ASA	ALD1706ASA	Ultra-Micropower, Single	SO-8	0.4	0.17	0.9	30	2(+/-1)	12(+/-6)	.04	3.83	3.04	2.44
◆585-ALD1726SA	ALD1726SA	Ultra-Micropower High Precision, Single	SO-8	0.4	0.17	0.15	10	4(+/-2)	10(+/-5)	.04	3.15	2.50	2.00
585-ALD1706APA	ALD1706APA	Ultra-Micropower, Single	DIP-8	0.4	0.17	0.9	30	2(+/-1)	12(+/-6)	.04	3.83	3.04	2.44
585-ALD1726PA	ALD1726PA	Ultra-Micropower High Precision, Single	DIP-8	0.4	0.17	0.15	10	4(+/-2)	10(+/-5)	.04	3.15	2.50	2.00
◆585-ALD1701ASA	ALD1701ASA	Micropower, Single	SO-8	0.7	0.7	0.9	30	2(+/-1)	12(+/-6)	.25	3.21	2.55	2.04
◆585-ALD1721SA	ALD1721SA	Micropower High Precision, Single	SO-8	0.7	0.7	0.15	10	2(+/-1)	10(+/-5)	.20	2.87	2.28	1.83
◆585-ALD2701ASA	ALD2701ASA	Micropower, Dual	SO-8	0.7	0.7	2	30	2(+/-1)	12(+/-6)	.25	4.38	3.48	2.78
◆585-ALD2711ASA	ALD2711ASA	Micropower High Precision, Dual	SO-8	0.7	0.7	0.6	10	2(+/-1)	12(+/-6)	.23	13.52	10.73	8.68
◆585-ALD2711SA	ALD2711SA	Micropower High Precision, Dual	SO-8	0.7	0.7	1.5	10	2(+/-1)	12(+/-6)	.23	4.26	3.38	2.71
◆585-ALD2721SB	ALD2721SB	Micropower High Precision, Dual	SO-14	0.7	0.7	0.15	10	2(+/-1)	10(+/-5)	.20	2.90	2.30	1.84
◆585-ALD4701ASB	ALD4701ASB	Micropower, Quad	SO-14	0.7	0.7	2	30	2(+/-1)	12(+/-6)	.25	7.82	6.21	4.97
◆585-ALD4701BSB	ALD4701BSB	Micropower, Quad	SO-14	0.7	0.7	5	30	2(+/-1)	12(+/-6)	.25	5.36	4.25	3.41
585-ALD1701APA	ALD1701APA	Micropower, Single	DIP-8	0.7	0.7	0.9	30	2(+/-1)	12(+/-6)	.25	3.21	2.55	2.04
585-ALD1721PA	ALD1721PA	Micropower High Precision, Single	DIP-8	0.7	0.7	0.15	10	2(+/-1)	10(+/-5)	.20	2.87	2.28	1.83
585-ALD2701APA	ALD2701APA	Micropower, Dual	DIP-8	0.7	0.7	2	30	2(+/-1)	12(+/-6)	.25	4.38	3.48	2.78
585-ALD2711APA	ALD2711APA	Micropower High Precision, Dual	DIP-8	0.7	0.7	0.6	10	2(+/-1)	12(+/-6)	.23	13.52	10.73	8.68
585-ALD2711PA	ALD2711PA	Micropower High Precision, Dual	DIP-8	0.7	0.7	1.5	10	2(+/-1)	12(+/-6)	.23	4.26	3.38	2.71
585-ALD2721PB	ALD2721PB	Micropower High Precision, Dual	DIP-14	0.7	0.7	0.15	10	2(+/-1)	10(+/-5)	.20	2.90	2.30	1.84
585-ALD4701APB	ALD4701APB	Micropower, Quad	DIP-14	0.7	0.7	2	30	2(+/-1)	12(+/-6)	.25	7.82	6.21	4.97
585-ALD4701BPB	ALD4701BPB	Micropower, Quad	DIP-14	0.7	0.7	5	30	2(+/-1)	12(+/-6)	.25	5.36	4.25	3.41
◆585-ALD2702ASA	ALD2702ASA	5V Precision, Dual	SO-8	1.5	1.9	1	20	4(+/-2)	12(+/-6)	1.50	4.38	3.48	2.78
◆585-ALD2702BSA	ALD2702BSA	5V Precision, Dual	SO-8	1.5	1.9	2	20	4(+/-2)	12(+/-6)	1.50	3.69	2.93	2.34
◆585-ALD2722SB	ALD2722SB	5V High Precision, Dual	SO-14	1.5	1.9	0.15	10	4(+/-2)	10(+/-5)	1.50	2.90	2.30	1.84
◆585-ALD4702BSB	ALD4702BSB	5V Precision, Quad	SO-14	1.5	1.9	2	30	4(+/-2)	12(+/-6)	1.50	5.24	4.16	3.34
585-ALD2702APA	ALD2702APA	5V Precision, Dual	DIP-8	1.5	1.9	1	20	4(+/-2)	12(+/-6)	1.50	4.38	3.48	2.78
585-ALD2702BPA	ALD2702BPA	5V Precision, Dual	DIP-8	1.5	1.9	2	20	4(+/-2)	12(+/-6)	1.50	3.69	2.93	2.34
585-ALD2722PB	ALD2722PB	5V High Precision, Dual	DIP-14	1.5	1.9	0.15	10	4(+/-2)	10(+/-5)	1.50	2.90	2.30	1.84
585-ALD4702BPB	ALD4702BPB	5V Precision, Quad	DIP-14	1.5	1.9	2	30	4(+/-2)	12(+/-6)	1.50	5.24	4.16	3.34
◆585-ALD1702ASA	ALD1702ASA	5V Precision, Single	SO-8	1.5	2.1	0.9	30	4(+/-2)	12(+/-6)	2.00	3.44	2.73	2.19
◆585-ALD1712SA	ALD1712SA	Precision, Single	SO-8	1.5	2.1	0.5	10	4(+/-2)	12(+/-6)	1.50	2.78	2.21	1.77
◆585-ALD1722SA	ALD1722SA	5V High Precision, Single	SO-8	1.5	2.1	0.09	10	4(+/-2)	10(+/-5)	1.50	2.87	2.28	1.83
585-ALD1702APA	ALD1702APA	5V Precision, Single	DIP-8	1.5	2.1	0.9	30	4(+/-2)	12(+/-6)	2.00	3.44	2.73	2.19
585-ALD1712PA	ALD1712PA	Precision, Single	DIP-8	1.5	2.1	0.5	10	4(+/-2)	12(+/-6)	1.50	2.78	2.21	1.77
585-ALD1722PA	ALD1722PA	5V High Precision, Single	DIP-8	1.5	2.1	0.09	10	4(+/-2)	10(+/-5)	1.50	2.87	2.28	1.83
◆585-ALD1704ASA	ALD1704ASA	High Slew Rate, Single	SO-8	2.1	5	0.9	20	6.5(+/-3.25)	12(+/-6)	4.50	3.83	3.04	2.44
◆585-ALD2704BSA	ALD2704BSA	High Slew Rate, Dual	SO-8	2.1	5	2	20	6.5(+/-3.25)	12(+/-6)	3.25	3.69	2.93	2.34
◆585-ALD2724SB	ALD2724SB	High Slew Rate High Precision, Dual	SO-14	2.1	5	0.15	10	6.5(+/-3.25)	10(+/-5)	3.25	2.90	2.30	1.84
◆585-ALD4704BSB	ALD4704BSB	High Slew Rate, Quad	SO-14	2.1	5	2	20	6.5(+/-3.25)	12(+/-6)	3.25	5.24	4.16	3.34
585-ALD1704APA	ALD1704APA	High Slew Rate, Single	DIP-8	2.1	5	0.9	20	6.5(+/-3.25)	12(+/-6)	4.50	3.47	2.75	2.20
585-ALD2704BPA	ALD2704BPA	High Slew Rate, Dual	DIP-8	2.1	5	2	20	6.5(+/-3.25)	12(+/-6)	3.25	3.69	2.93	2.34
585-ALD2724PB	ALD2724PB	High Slew Rate High Precision, Dual	DIP-14	2.1	5	0.15	10	6.5(+/-3.25)	10(+/-5)	3.25	2.90	2.30	1.84
585-ALD4704BPB	ALD4704BPB	High Slew Rate, Quad	DIP-14	2.1	5	2	20	6.5(+/-3.25)	12(+/-6)	3.25	5.24	4.16	3.34

STANDARD OP AMPS

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	No. of Amps	Supply Voltage (VCC)+/-V	Input Offset Volt. Max Mv	Input Offset Curr. Max mA	Input Bias Curr. Max mA	Supply Current Typ. nA	Volt. Gain Typical V/mV	Output Volt. Swing Typical (VOL) mV	Output Volt. Swing Typical (VOH) mV	Slew Rate V/us	Price Each 1	25	100	250
512-KA1458	KA1458	DIP-8	2	18	10	300	700	2.3	200	-	14000	0.5	.55	.46	.33	.26
512-KA1458DTF	KA1458DTF	SOIC-8	2	18	10	300	700	2.3	200	-	14000	0.5	.59	.49	.35	.28
512-KA224	KA224	DIP-14	4	16/32	5	30	150	0.7	100	5	28000	-	.55	.46	.33	.26
512-KA224DTF	KA224DTF	SOP-14	4	16/32	5	30	150	0.7	100	5	28000	-	.59	.49	.35	.28
512-KA224A	KA224A	DIP-14	4	16/32	3	15	80	0.7	100	5	28000	-	.55	.46	.33	.26
512-KA248	KA248	DIP-14	4	18	6	50	200	2.4	160	-	13000	0.5	.59	.49	.35	.28
512-KA248DTF	KA248DTF	SOP-14	4	18	6	50	200	2.4	160	-	13000	0.5	.63	.53	.38	.30
512-KA258	KA258	DIP-8	2	16/32	5	30	150	0.5	100	5	28000	-	.55	.46	.33	.26
512-KA258DTF	KA258DTF	SOIC-8	2	16/32	5	30	150	0.5	100	5	28000	-	.59	.49	.35	.28
512-KA258A	KA258A	DIP-8	2	16/32	3	15	80	0.5	100	5	28000	-	.55	.46	.33	.26
512-KA293	KA293	DIP-8	2	18/36	5	50	250	0.6	200	-	-	-	.55	.46	.33	.26
512-KA293DTF	KA293DTF	SOIC-8	2	18/36	5	50	250	0.6	200	-	-	-	.59	.49	.35	.28
512-KA301A	KA301A	DIP-8	1	18	7.5	50	250	2.0	160	-	14000	10	.63	.53	.38	.30
512-KA324A	KA324A	DIP-14	4	16/32	7	50	250	0.7	100	5	28000	-	.46	.39	.28	.22
512-KA324ADTF	KA324ADTF	SOP-14	4	16/32	7	50	250	0.7	100	5	28000	-	.50	.42	.30	.24
512-KA3303	KA3303	DIP-14	4	18/36	8	75	200	2.8	200	-	12500	0.4	.63	.53	.38	.30
512-KA3303D	KA3303D	SOP-14	4	18/36	8	75	200	2.8	200	-	12500	0.4	.63	.53	.38	.30
512-KA334	KA334	DIP-8	2	40	60	250	2500	7.5	-	-	23000	1	1.18	.98	.70	.56
512-KA3403	KA3403	DIP-14	4	18/36	10	50	200	2.3	200	-	13500	0.4	.50	.42	.30	.24
512-KA3403DTF	KA3403DTF	SOP-14	4	18/36	10	50	200	2.3	200	-	13500	0.4	.55	.46	.33	.26
512-KA348DTF	KA348DTF	SOP-14	4	18	6	50	200	2.4	160	-	13000	0.5	.63	.53	.38	.30
512-KA358STU	KA358STU	SIP-9	2	16/32	7	50	250	0.8	100	5	28000	-	.50	.42	.30	.24
512-KA358A	KA358A	DIP-8	2	16/32	3	30	100	0.8	100	5	28000	-	.46	.39	.28	.22
512-KA358ADTF	KA358ADTF	SOIC-8	2	16/32	3	30	100	0.8	100	5	28000	-	.46	.39	.28	.22
512-KA4558	KA4558	DIP-8	2	22	6	200	500	3.5	200	-	14000	1.2	.42	.35	.25	.20
512-KA4558DTF	KA4558DTF	SOIC-8	2	22	6	200	500	3.5	200	-	14000	1.2	.42	.35	.25	.20
512-KA4558STU	KA4558STU	SIP-9	2	22	6	200	500	3.5	200	-	14000	1.2	.46	.39	.28	.22
512-KA741DTF	KA741DTF	SOIC-8	1	18	6	200	500	1.5	200	-	-	0.5	.59	.49	.35	.28
512-KA741I	KA741I	DIP-8	1	18	6	200	500	1.5	200	-	-	0.5	.71	.60	.43	.34
512-KF347	KF347	DIP-14	4	18	10	0.1	0.2	7.2	100	-	-	13	.93	.78	.56	.44
512-KF351	KF351	DIP-8	1	18	10	0.1	0.2	2.3	100	-	-	13	.80	.67	.48	.38
512-KF353	KF353	DIP-8	2	18	10	0.1	0.2	3.6	100	-	-	13	.56	.47	.34	.27
512-L272D2TF	L272D2TF	SOP-16	2	40	60	250	2500	7.5	-	-	23000	1	.76	.65	.57	.47
512-L272M	L272M	DIP-8	2	40	60	250	2500	7.5	-	-	23000	1	.59	.50	.44	.36
512-LF347MX	LF347MX	SOP-14	4	18	10	0.1	0.2	7.2	100	-	-	13	.81	.69	.58	.46
512-LF347N	LF347N	DIP-14	4	18	10	0.1	0.2	7.2	100	-	-	13	.67	.57	.48	.38
512-LF351MX	LF351MX	SOIC-8	1	18	10	0.1	0.2	2.3	100	-	-	13	.53	.45	.38	.30
512-LF351N	LF351N	DIP-8	1	18	10	0.1	0.2	2.3	100	-	-	13	.47	.41	.34	.27
512-LF353MX	LF353MX	SOIC-8	2	18	10	0.1	0.2	3.6	100	-	-	13	.54	.46	.39	.31
512-LF353N	LF353N	DIP-8	2	18	10	0.1	0.2	3.6	100	-	-	13	.68	.58	.49	.39
512-LM1458MX	LM1458MX	SOIC-8	2	18	6	200	500	2.3	200	-	14000	0.5	.33	.28	.24	.20
512-LM1458N	LM1458N	DIP-8	2	18	6	200	500	2.3	200	-	14000	0.5	.33	.28	.24	.20
512-LM1458CMX	LM1458CMX	SOIC-8	2	18	10	300	700	2.3	200	-	14000	0.5	.33	.28	.24	.20
512-LM1458CN	LM1458CN	DIP-8	2	18	10	300	700	2.3	200	-	14000	0.5	.33	.28	.24	.20
512-LM2902MX	LM2902MX	SOP-14	4	13/26	7	50	250	0.7	100	5	24000	-	.37	.31	.27	.23
512-LM2902N	LM2902N	DIP-14	4	13/26	7	50	250	0.7	100	5	24000	-	.37	.31	.27	.23
512-LM2904MX	LM2904MX	SOIC-8	2	13/26	7	50	250	0.5	100	5	24000	-	.37	.31	.27	.23
512-LM2904N	LM2904N	DIP-8	2	13/26	7	50	250	0.5	100	5	24000	-	.37	.31	.27	.23
512-LM324MX	LM324MX	SOP-14	4	16/32	7	50	250	0.7	100	5	28000	-	.33	.28	.24	.20
512-LM324N	LM324N	DIP-14	4	16/32	7	50	250	0.7	100	5	28000	-	.33	.28	.24	.20
512-LM324AMX	LM324AMX	SOP-14	4	16/32	3	30	100	0.7	100	5	28000	-	.33	.28	.24	.20
512-LM324AN	LM324AN	DIP-14	4	16/32	3	30	100	0.7	100	5	28000	-	.33	.28	.24	.20
512-LM358MX	LM358MX	SOIC-8	2	16/32	7	50	250	0.5	100	5	28000	-	.33	.28	.24	.20
512-LM358N	LM358N	DIP-8	2	16/32	7	50	250	0.5	100	5	28000	-	.33	.28	.24	.20
512-LM358AMX	LM358AMX	SOIC-8	2	16/32	3	30	100	0.5	100	5	28000	-	.33	.28	.24	.20
512-LM358AN	LM358AN	DIP-8	2	16/32	3	30	100	0.5	100	5	28000	-	.33	.28	.24	.20
512-MC3403DX	MC3403DX	SOP-14	4	18/36	10	50	200	2.3	200	-	13500	0.4	.65	.55	.40	.32
512-MC3403P	MC3403P	DIP-14	4	18/36	10	50	200	2.3	200	-	13500	0.4	.65	.55	.40	.32
512-MC4558CDX	MC4558CDX	SOIC-8	2	22	6	200	500	3.5	200	-	14000	1.2	.50	.42	.30	.24
512-MC4558CP	MC4558CP	DIP-8	2	22	6	200	500	3.5	200	-	14000	1.2	.50	.42	.30	.24

HIGH PERFORMANCE OPERATIONAL AMPLIFIERS

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Amps Per Pack	Power Down	Rail to Rail Input or Output	Typical Unity Gain Bandwidth MHz	Typical Supply Curr. per Amp (mA)	Typical Output Current +/- mA	Supply Voltage Max V	CMIR Max V	Output Swing V	Input Voltage Noise nV/rtHz	Typical Offset Voltage mV	Typical Input Bias Curr. uA	Slew Rate V/us	Price Each 1	25	100	250
512-KM4100IC8TR3	KM4100IC8TR3	SOIC-8	1	No	Output	260	4.2	90	5.5	3.8	4.95	16	1.4	3	150	1.34	1.12	.80	.64
512-KM4100IT5TR3	KM4100IT5TR3	SOT-23	1	No	Output	260	4.2	90	5.5	3.8	4.95	16	1.4	3	150	1.34	1.12	.80	.64
512-KM4101IT6TR3	KM4101IT6TR3	SOT-23	1	Yes	Output	260	4.2	90	5.5	3.8	4.95	16	1.4	3	150	1.34	1.12	.80	.64
512-KM4110IT5TR3	KM4110IT5TR3	SOT-23	1	No	Output	75	0.5	30	5.5	3.8	4.86	12	1	1.2	50	2.18	1.82	1.30	1.04
512-KM4120IT6TR3	KM4120IT6TR3	SOT-23	1	Yes	Output	75	0.5	30	5.5	3.8	4.86	12	1	1.2	50	2.03	1.69	1.21	.97
512-KM4200IC8TR3	KM4200IC8TR3	SOIC-8	2	No	Output	260	4.2	85	5.5	3.8	4.95	16	1.4	3	145	2.18	1.82	1.30	1.04
512-KM4270IC8TR3	KM4270IC8TR3	SOIC-8	2	No	Both	4.3	0.16	30	5.5	5.25	4.96	22	1.5	0.09	9	1.43	1.19	.85	.68
512-KM4270IM8TR3	KM4270IM8TR3	SOP-8	2	No	Both	4.3	0.16	30	5.5	5.25	4.92	22	1.5	0.09	9	.69	.59	.44	.36
512-KM7101IT5TR3	KM7101IT5TR3	SOT-23	1	No	Both	4.3	0.16	30	5.5	5.25	4.92	22	1.5	0.09	9	.69	.59	.44	.36
512-LMV321AP5X	LMV321AP5X	SC70-5	1	No	Output	1.4	0.1	35	5.5	3.8	4.98	33	1	0	15	.45	.38	.33	.27
512-LMV321AS5X	LMV321AS5X	SOT-23	1	No	Output	1.4	0.1	35	5.5	3.8	4.98	33	1	0	15	.65	.54	.48	.39
512-LMV324AMTC14X	LMV324AMTC14X	TSSOP-14	4	No	Output	1.4	0.1	35	5.5	3.8	4.98	33	1	0	15	.47	.39	.34	.28
512-LMV358AM8X	LMV358AM8X	SOIC-8	2	No	Output	1.4	0.1	35	5.5	3.8	4.98	33	1	0	15	.47	.39	.34	.28
512-LMV358AMU8X	LMV358AMU8X	SOP-8	2	No	Output	1.4	0.1	35	5.5	3.8	4.98	33	1	0	15	.47	.39	.34	.28

INTERSIL Op Amps

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Intersil Part No.	Package	Description	V Supply (V)	Frequency	Price Each			
						1	25	100	250
Operational Amplifiers									
837-CA3130AM	CA3130AM	SOIC-8	Low Bias	16	15MHz	1.78	1.65	1.45	1.35
837-CA3130E	CA3130E	PDIP-8	BiMOS	16	15MHz	1.20	1.10	1.02	.83
837-CA3140E	CA3140E	PDIP-8	BiMOS	36	4.5MHz	.68	.62	.57	.47
837-CA3140M	CA3140M	SOIC-8	BiMOS	36	15MHz	.98	.88	.81	.66
837-CA3140M96	CA3140M96	SOIC-8	BiMOS	36	4.5MHz	1.03	.90	.75	.66
837-CA3160E	CA3160E	PDIP-8	BiMOS	16	4MHz	.95	.86	.80	.65
837-CA3260AE	CA3260AE	PDIP-8	BiMOS	16	4MHz	3.53	3.20	2.96	2.40
837-CA3260E	CA3260E	PDIP-8	BiMOS	16	4MHz	2.00	1.82	1.68	1.37
837-CA3280E	CA3280E	PDIP-16	Transconductance Amp	36	9MHz	5.23	4.83	4.35	3.98
837-CA3420E	CA3420E	PDIP-8	BiMOS	22	0.5MHz	2.39	2.20	2.01	1.79
837-CA5260M	CA5260M	SODEG-8	BiMOS	16	3MHz	3.68	3.40	3.15	2.85
837-EL2228CY	EL2228CY	MSOP-8	Dual Low Noise	28	80MHz	7.38	6.37	5.36	5.03
837-EL2250CS	EL2250CS	SOIC-8	Video Low Power	12.6	125MHz	3.60	2.73	2.13	2.05
837-EL2386CS	EL2386CS	SOIC-16	Tripple Current FB	12.6	250MHz	4.80	3.64	2.84	2.73
837-EL2480CS	EL2480CS	SOIC-14	Quad Low Power	12.6	250MHz	4.03	3.06	2.38	2.29
837-EL4501IU	EL4501IU	QSOP-24	Quad VFE Low Power	6	100MHz	8.95	8.06	7.16	6.26
837-EL5100IS	EL5100IS	SOIC-8	Hi Speed Voltage FB	13.2	200MHz	2.75	2.09	1.63	1.56
837-EL5100IW-T7	EL5100IW-T7	SOT-23-6	Hi Speed Voltage FB	13.2	200MHz	2.65	2.01	1.57	1.51
837-EL5101IW-T7	EL5101IW-T7	SOT-23-5	Hi Speed Voltage FB	13.2	200MHz	2.23	1.66	1.23	1.02
837-EL5101IW-T7A	EL5101IW-T7A	SOT-23-5	SEVFA Single	13.2	200MHz	1.13	.97	.82	.77
837-EL5104IS	EL5104IS	SOIC-8	Hi Speed Voltage FB	13.2	700MHz	3.03	2.30	1.79	1.72
837-EL5104IW-T7	EL5104IW-T7	SOT-23-6	Hi Speed Voltage FB	13.2	700MHz	3.03	2.30	1.79	1.72
837-EL5105IW-T7	EL5105IW-T7	SOT-23-5	Hi Speed Voltage FB	13.2	700MHz	3.03	2.30	1.79	1.72
837-EL5106IS	EL5106IS	SOIC-8	Hi Speed Voltage FB	13.2	350MHz	2.60	1.97	1.54	1.48
837-EL5106IW-T7	EL5106IW-T7	SOT-23-6	Hi Speed Voltage FB	13.2	350MHz	2.60	1.97	1.54	1.48
837-EL5106IW-T7A	EL5106IW-T7A	SOT-23-5	Single w/ Enable	13.2	350MHz	2.60	2.25	1.89	1.77
837-EL5108IS	EL5108IS	SOIC-8	Hi Speed Voltage FB	13.2	450MHz	2.85	2.16	1.68	1.62
837-EL5108IW-T7	EL5108IW-T7	SOT-23-6	Hi Speed Voltage FB	13.2	450MHz	2.85	2.16	1.68	1.62
837-EL5108IW-T7A	EL5108IW-T7A	SOT-23-5	Single w/ Enable	13.2	450MHz	2.85	2.46	2.07	1.94
837-EL5130IS	EL5130IS	SOIC-8	Low Noise	13.2	500MHz	2.45	1.82	1.35	1.12
837-EL5131IW-T7	EL5131IW-T7	SOT-23-5	Low Noise	13.2	500MHz	2.45	1.82	1.35	1.12
837-EL5131IW-T7A	EL5131IW-T7A	SOT-23-5	Low Noise	13.2	500MHz	2.25	1.94	1.64	1.53
837-EL5132IS	EL5132IS	SOIC-8	Hi Speed Low Noise	13.2	670Mhz	2.75	2.09	1.63	1.56
837-EL5133IW-T7	EL5133IW-T7	SOT-23-5	Hi Speed Low Noise	13.2	670Mhz	2.78	2.11	1.64	1.58
837-EL5134IS	EL5134IS	SOIC-8	Low Noise	13.2	630Mhz	2.85	2.16	1.68	1.62
837-EL5135IW-T7	EL5135IW-T7	SOT-23-5	Low Noise	13.2	630Mhz	2.90	2.20	1.71	1.65
837-EL5135IW-T7A	EL5135IW-T7A	SOT-23-5	Low Noise	13.2	650Mhz	2.13	1.84	1.55	1.45
837-EL5144CW-T7	EL5144CW-T7	SOT-23-5	Rail to Rail	6	100MHz	2.29	1.71	1.26	1.05
837-EL5144CW-T7A	EL5144CW-T7A	SOT-23-5	Rail to Rail	6	100MHz	1.13	.97	.82	.77
837-EL5146CN	EL5146CN	DIP-8	Rail to Rail	6	100MHz	2.51	1.87	1.38	1.15
837-EL5146CS	EL5146CS	SOIC-8	Rail to Rail	6	100MHz	2.51	1.87	1.38	1.15
837-EL5150IS	EL5150IS	SOIC-8	Low Off	13.2	200MHz	3.90	2.96	2.30	2.22
837-EL5150IW-T7	EL5150IW-T7	SOT-23-6	Low Off	13.2	200MHz	4.15	3.15	2.45	2.36
837-EL5151IW-T7	EL5151IW-T7	SOT-23-5	Low Off	13.2	200MHz	3.90	2.96	2.30	2.22
837-EL5152IS	EL5152IS	SOIC-8	Low Off	13.2	300MHz	4.18	3.17	2.47	2.37
837-EL5152IS-T7	EL5152IS-T7	SOIC-8	Low Off	13.2	300MHz	4.43	3.36	2.61	2.51
837-EL5153IW-T7	EL5153IW-T7	SOT23-5	Low Off	13.2	300MHz	4.02	3.42	3.02	2.61
837-EL5153IW-T7A	EL5153IW-T7A	SOT-23-5	High Accuracy	13.2	330MHz	4.70	4.06	3.42	3.20
837-EL5156IS	EL5156IS	SOIC-8	Low Off	5.5	600MHz	4.43	3.36	2.61	2.51
837-EL5157IW-T7	EL5157IW-T7	SOT23-5	Low Off	13.2	600MHz	4.02	3.42	3.02	2.61
837-EL5157IW-T7A	EL5157IW-T7A	SOT-23-5	High Accuracy	13.2	700MHz	5.23	4.51	3.80	3.56
837-EL5160IS	EL5160IS	SOIC-8	Low Power	13.2	200MHz	2.36	1.75	1.29	1.08
837-EL5160IW-T7	EL5160IW-T7	SOT-23-6	Low Power	13.2	200MHz	1.92	1.43	1.06	.88
837-EL5161IC-T7	EL5161IC-T7	SOT-23-5	Low Power	13.2	200MHz	1.92	1.43	1.06	.88
837-EL5161IC-T7A	EL5161IC-T7A	SC70-5	LP Current Feedback	13.2	180MHz	1.23	1.06	.89	.84
837-EL5161IW-T7	EL5161IW-T7	SOT-23-5	Low Power	13.2	200MHz	1.92	1.43	1.06	.88
837-EL5161IW-T7A	EL5161IW-T7A	SOT-23-5	LP Current Feedback	13.2	180MHz	1.53	1.32	1.11	1.04
837-EL5162IS	EL5162IS	SOIC-8	Current Feedback	13.2	500MHz	3.13	2.37	1.85	1.78
837-EL5162IW-T7	EL5162IW-T7	SOT-23-6	Current Feedback	13.2	500MHz	3.13	2.37	1.85	1.78
837-EL5162IW-T7A	EL5162IW-T7A	SOT-23-5	LP Current FB/Enable	13.2	420MHz	2.10	1.81	1.53	1.43
837-EL5163IC-T7	EL5163IC-T7	SC70-5	LP Current FB/Enable	13.2	500MHz	3.13	2.37	1.85	1.78
837-EL5163IC-T7A	EL5163IC-T7A	SC70-5	Current Feedback	13.2	420MHz	3.13	2.70	2.27	2.13
837-EL5163IW-T7	EL5163IW-T7	SOT-23-5	LP Current FB/Enable	13.2	500MHz	3.13	2.37	1.85	1.78
837-EL5163IW-T7A	EL5163IW-T7A	SOT-23-5	Current Feedback	13.2	420MHz	3.00	2.59	2.18	2.05
837-EL5164IS	EL5164IS	SOIC-8	Current Feedback	13.2	600MHz	3.38	2.56	1.99	1.92
837-EL5164IW-T7	EL5164IW-T7	SOT-23-6	Current Feedback	13.2	600MHz	3.38	2.56	1.99	1.92
837-EL5164IW-T7A	EL5164IW-T7A	SOT-23-5	Current FB/Enable	13.2	850MHz	3.38	2.91	2.45	2.30
837-EL5165IC-T7	EL5165IC-T7	SC70-5	Current Feedback	13.2	600MHz	2.85	2.16	1.68	1.62
837-EL5165IC-T7A	EL5165IC-T7A	SC70-5	Current Feedback	13.2	850MHz	2.78	2.40	2.02	1.89
837-EL5165IW-T7	EL5165IW-T7	SOT-23-5	Current Feedback	13.2	600MHz	3.38	2.56	1.99	1.92
837-EL5166IS	EL5166IS	SOIC-8	Current Feedback	12.6	1.4GHz	3.65	2.77	2.16	2.07
837-EL5166IW-T7	EL5166IW-T7	SOT-23-6	Current Feedback	12.6	1.4GHz	3.65	2.77	2.16	2.07
837-EL5166IW-T7A	EL5166IW-T7A	SOT-23-5	Current Feedback	12.6	1.2GHz	4.25	3.67	3.09	2.90
837-EL5167IC-T7	EL5167IC-T7	SC70-5	Current Feedback	12.6	1.4GHz	3.65	2.77	2.16	2.07
837-EL5167IC-T7A	EL5167IC-T7A	SC70-5	Current Feedback	12.6	1.2GHz	3.65	3.15	2.65	2.49
837-EL5167IW-T7	EL5167IW-T7	SOT-23-5	Current Feedback	12.6	1.4GHz	3.65	2.77	2.16	2.07
837-EL5167IW-T7A	EL5167IW-T7A	SOT-23-5	Current Feedback	12.6	1.2GHz	3.65	3.15	2.65	2.49
837-EL5210CS	EL5210CS	SOIC-8	Dual Rail to Rail	18	30MHz	3.43	2.60	2.02	1.95
837-EL5210CY	EL5210CY	MSOP-8	Dual Rail to Rail	18	30MHz	3.43	2.60	2.02	1.95
837-EL5211IYE	EL5211IYE	HMSOP-8	Dual Rail to Rail	18	60MHz	4.63	3.51	2.73	2.63
837-EL5220CY	EL5220CY	MSOP-8	Dual Rail to Rail	18	12MHz	2.45	2.28	2.05	1.86
37-EL5373IU	EL5373IU	QSOP-24	Triple Diff Driver	12.6	500MHz	9.53	8.23	6.93	6.49
837-EL5410CR	EL5410CR	TSSOP-14	Quad Rail to Rail	18	30MHz	4.00	3.04	2.36	2.27
837-EL5410CS	EL5410CS	SOIC-14	Quad Rail to Rail	18	30MHz	4.00	3.04	2.36	2.27
837-EL5411IRE	EL5411IRE	HTSSOP-14	Quad Rail to Rail	18	60MHz	3.55	2.69	2.10	2.02
837-EL8100IS	EL8100IS	SOIC-8	Rail to Rail	5.5	200MHz	2.75	2.09	1.63	1.56
837-EL8100IW-T7	EL8100IW-T7	SOT-23-6	Rail to Rail	5.5	200MHz	2.75	2.09	1.63	1.56

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Intersil Part No.	Package	Description	V Supply (V)	Frequency	Price Each 1	25	100	250
perational Amplifiers (cont.)									
7-EL8101IW-T7	EL8101IW-T7	SOT23-5	Rail to Rail	5.5	200MHz	2.72	2.31	2.04	1.77
7-EL8101IW-T7A	EL8101IW-T7A	SOT-23-5	Rail to Rail	5.5	200MHz	2.50	2.16	1.82	1.70
7-EL8102IS	EL8102IS	SOIC-8	Rail to Rail	5.5	500MHz	4.20	3.19	2.48	2.39
7-EL8102IW-T7	EL8102IW-T7	SOT23-5	Rail to Rail	5.5	500MHz	3.82	3.25	2.87	2.48
7-EL8102IW-T7A	EL8102IW-T7A	SOT-23-5	Rail to Rail	5.5	500MHz	4.20	3.63	3.05	2.86
7-EL8103IW-T7	EL8103IW-T7	SOT23-5	Rail to Rail	5.5	500MHz	3.82	3.25	2.87	2.48
7-EL8103IW-T7A	EL8103IW-T7A	SOT-23-5	Rail to Rail	5.5	500MHz	2.60	2.25	1.89	1.77
7-EL8200IY	EL8200IY	MSOP-10	Rail to Rail	5.5	200MHz	3.93	2.98	2.32	2.23
7-EL8201IS	EL8201IS	SOIC-8	Rail to Rail	5.5	200MHz	3.93	2.98	2.32	2.23
7-EL8202IY	EL8202IY	MSOP-10	Rail to Rail	5.5	500MHz	7.14	6.07	5.36	4.64
7-EL8203IS	EL8203IS	SOIC-8	Rail to Rail	5.5	500MHz	7.14	6.07	5.36	4.64
7-EL8203IY	EL8203IY	MSOP-10	Rail to Rail	5.5	500MHz	7.14	6.07	5.36	4.64
7-EL8300IS	EL8300IS	SOIC-16	Rail to Rail	5.5	200MHz	5.23	3.97	3.09	2.97
7-EL8300IU	EL8300IU	QSOP-16	Rail to Rail	5.5	200MHz	5.23	3.97	3.09	2.97
7-EL8302IS	EL8302IS	SOIC-16	Rail to Rail	5.5	500MHz	9.52	8.09	7.14	6.19
7-EL8302IU	EL8302IU	QSOP-16	Rail to Rail	5.5	500MHz	9.52	8.09	7.14	6.19
7-EL8403IS	EL8403IS	SOIC-14	Quad Rail to Rail	5.5	500MHz	7.18	6.20	5.22	4.89
7-EL8403IU	EL8403IU	QSOP-16	Quad Rail to Rail	5.5	500MHz	11.95	10.32	8.69	8.15
7-HA1-2540-5	HA1-2540-5	DIP-14	Fast Setting	35	400MHz	9.42	8.95	8.47	7.26
7-HA1-2541-5	HA1-2541-5	DIP-14	Fast Setting	35	40MHz	11.47	10.92	9.50	8.85
7-HA1-4741-2	HA1-4741-2	DIP-14	Quad	35	3.5MHz	9.51	9.05	8.56	7.34
7-HA1-5195-5	HA1-5195-5	DIP-14	Fast Setting	35	150MHz	10.71	10.05	9.50	8.15
7-HA3-2525-5	HA3-2525-5	PDIP-8	Hi Slew	15	20MHz	4.42	4.20	3.97	3.41
7-HA3-5020-5	HA3-5020-5	PDIP-8	CFB Disable	36	100MHz	3.03	2.81	2.55	2.30
7-HA7-2525-5	HA7-2525-5	DIP-8	Hi Slew	15	20MHz	7.12	6.72	6.35	5.45
7-HA7-2645-5	HA7-2645-5	DIP-8	Hi Supply Voltage	100	4MHz	8.49	7.97	7.54	6.47
7-HA7-5127A-5	HA7-5127A-5	DIP-8	VFB Precision	44	8.5MHz	10.77	10.00	9.00	8.18
7-HA9P2842-5	HA9P2842-5	SOIC-8	High Slew	15	80MHz	4.02	3.79	3.59	3.08
7-HFA1130IB	HFA1130IB	SOIC-8	Output Limiting	12	800MHz	4.57	4.28	3.75	3.21
7-HFA1135IB	HFA1135IB	SOIC-8	Low Power	11	630MHz	4.09	3.82	3.34	2.87
7-ICL7611DCBA	ICL7611DCBA	SODEG-8	Low Power	18	1.4MHz	1.10	.90	.83	.68
7-ICL7611DCPA	ICL7611DCPA	PDIP-8	Low Power	18	1.4MHz	1.10	.90	.83	.68
7-ICL7612BCPA	ICL7612BCPA	PDIP-8	Low Power	18	1.4MHz	3.02	2.84	2.56	2.32
7-ICL7612DCPA	ICL7612DCPA	PDIP-8	Low Power	18	1.4MHz	.90	.84	.75	.69
7-ICL7621DCBA	ICL7621DCBA	SOIC-8	Low Bias	18	0.5MHz	1.07	.99	.89	.81
7-ICL7621DCPA	ICL7621DCPA	PDIP-8	Low Power CMOS	18	0.5MHz	1.41	1.16	1.07	.87
7-ICL7650SCPA-1	ICL7650SCPA-1	PDIP-8	Super Chop Stabilize	18	2MHz	3.30	2.72	2.52	2.04
7-ICL7650SCPD	ICL7650SCPD	PDIP-14	Super Chop Stabilize	18	2MHz	3.99	3.30	3.05	2.48
mplifiers									
7-EL2227CY	EL2227CY	MSOP-8	Very Low Noise Dual	28	115MHz	4.48	4.21	3.89	3.60
7-EL5202IY	EL5202IY	MSOP-10	Dual Voltage FB	13.2	400MHz	3.53	2.68	2.08	2.00
7-EL5203IS	EL5203IS	SOIC-8	Dual Voltage FB	13.2	400MHz	3.53	2.68	2.08	2.00
7-EL5203IY	EL5203IY	MSOP-8	Dual Voltage FB	13.2	400MHz	3.53	2.68	2.08	2.00
7-EL5204IY	EL5204IY	MSOP-10	Dual Voltage FB	13.2	700MHz	5.23	3.97	3.09	2.97
7-EL5205IS	EL5205IS	SOIC-8	Dual Voltage FB	13.2	700MHz	5.23	3.97	3.09	2.97
7-EL5205IY	EL5205IY	MSOP-8	Dual Voltage FB	13.2	700MHz	5.23	3.97	3.09	2.97
7-EL5228IL-T7	EL5228IL-T7	DFN-10	VCOM DUAL BUFF	15	55MHz	2.60	1.94	1.43	1.19
7-EL5244CN	EL5244CN	DIP-8	Rail to Rail V-FB	6	100MHz	3.25	2.47	1.92	1.85
7-EL5244CS	EL5244CS	SOIC-8	Rail to Rail V-FB	6	100MHz	3.25	2.47	1.92	1.85
7-EL5246CN	EL5246CN	DIP-14	Rail to Rail V-FB	6	100MHz	3.43	2.60	2.02	1.95
7-EL5246CS	EL5246CS	SOIC-14	Rail to Rail V-FB	6	100MHz	3.43	2.60	2.02	1.95
7-EL5250IY	EL5250IY	MSOP-10	Voltage Feedback	13.2	200MHz	5.43	4.12	3.21	3.08
7-EL5251IS	EL5251IS	SOIC-8	Dual Voltage FB	13.2	200MHz	5.43	4.12	3.21	3.08
7-EL5251IY	EL5251IY	MSOP-8	Dual Voltage FB	13.2	200MHz	5.43	4.12	3.21	3.08
7-EL5252IY	EL5252IY	MSOP-10	Dual Voltage FB	13.2	300MHz	5.43	4.12	3.21	3.08
7-EL5256IY	EL5256IY	MSOP-10	Voltage Feedback	13.2	600MHz	6.28	5.34	4.71	4.08
7-EL5257IS	EL5257IS	SOIC-8	Voltage Feedback	13.2	600MHz	6.28	5.34	4.71	4.08
7-EL5257IY	EL5257IY	MSOP-10	Voltage Feedback	13.2	600MHz	6.28	5.34	4.71	4.08
7-EL5300IU	EL5300IU	QSOP-16	Voltage Feedback	13.2	200MHz	6.18	4.69	3.65	3.51
7-EL5300IU-T7	EL5300IU-T7	QSOP-16	Voltage Feedback	13.2	200MHz	5.84	4.96	4.38	3.80
7-EL5302IU	EL5302IU	QSOP-16	Voltage Feedback	13.2	400MHz	6.76	5.75	5.07	4.39
7-EL5304IU	EL5304IU	QSOP-10	Voltage Feedback	13.2	700MHz	8.44	7.17	6.33	5.49
7-EL5360IS	EL5360IS	SOIC-16	LP Current Feedback	13.2	200MHz	5.00	3.80	2.95	2.84
7-EL5360IU	EL5360IU	QSOP-16	LP Current Feedback	13.2	200MHz	5.00	3.80	2.95	2.84
7-EL5362IS	EL5362IS	QSOP-16	Current Feedback	13.2	500MHz	6.22	5.29	4.67	4.04
7-EL5362IU	EL5362IU	QSOP-16	Current Feedback	13.2	500MHz	6.22	5.29	4.67	4.04
7-EL5364IS	EL5364IS	SOIC-16	Current Feedback	13.2	600MHz	5.90	4.48	3.49	3.35
7-EL5364IU	EL5364IU	QSOP-16	Current Feedback	13.2	600MHz	5.90	4.48	3.49	3.35
7-EL5364IUZ	EL5364IUZ	QSOP-16	Current Feedback	13.2	600MHz	5.40	4.59	4.05	3.51
7-EL5370IU	EL5370IU	QSOP-24	Triple Diff	12.6	100MHz	5.72	4.86	4.29	3.72
7-EL5444CN	EL5444CN	DIP-14	Quad Rail to Rail	6	100MHz	4.08	3.09	2.41	2.32
7-EL5444CS	EL5444CS	SOIC-14	Quad Rail to Rail	6	100MHz	4.08	3.09	2.41	2.32
7-EL5444CU	EL5444CU	QSOP-16	Quad Rail to Rail	6	100MHz	4.08	3.09	2.41	2.32
7-EL5455IS	EL5455IS	SOIC-14	Voltage Feedback	13.2	270MHz	8.30	7.06	6.23	5.50
7-HA1-2425-5	HA1-2425-5	DIP-14	Sample and Hold	15	2.5MHz	10.66	10.14	9.59	8.22
7-HA1-5104-2	HA1-5104-2	DIP-14	Low Noise	15	8MHz	23.48	21.78	20.50	17.82
7-HA1-5320-5	HA1-5320-5	DIP-14	Sample / Hold Prec	20	2MHz	11.05	10.51	9.94	8.52
7-HA3-2425-5	HA3-2425-5	DIP-14	Sample and Hold	15	2.5MHz	6.01	5.85	5.53	4.74
7-HA5023IB	HA5023IB	SODEG-8	Video Current	15	125MHz	3.50	3.40	3.22	2.76

NEC/CEL SMD Monolithic Microwave IC's

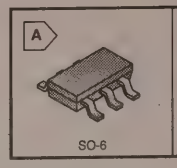
NEC CEL California Eastern Laboratories

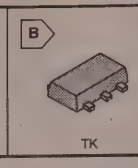
SMD SILICON MONOLITHIC CIRCUITS

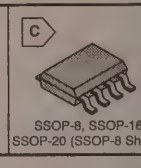
NEC offers a broad range of silicon ICs for multimedia, mobile communications and wireless applications. They are based on a high performance bipolar process featuring fTS up to 45GHz. The process permits the productions of transistors with lower parasitics, improved passivation and emitter line widths as small as 0.6 microns. It accommodates low operating voltages while offering high operating frequencies, low noise figures, high efficiency and high reliability. These devices operate from 1 to 5 volts; they include amplifiers, prescalers, frequency converters, IQ modulators and demodulators and multifunction ICs for GPS (Global Positioning System), RKE (Remote Keyless Entry) and W-CDMA markets or for cable modems/settop boxes applications.

Electrical Characteristics (TA=25 C)

♦ Surface Mount







Amplifiers

For quantities 2000 and up, call for q

MOUSER STOCK NO.	NEC Part No.	Fig.	Freq. Range @ 3dB Down TYP (MHz)	VCC (V)	ICC (mA)			NF (dB) TYP.	Gain (dB)			RLIN TYP (dB)	RLOUT TYP (dB)	P1B TYP (dBm)	ISOL TYP (dB)	Price Each			
					MIN	TYP	MAX		MIN	TYP	MAX					1	100	500	10
Low Power Amplifiers																			
♦ 551-UPC2748TB-A	UPC2748TB-A	A	1600	3.0	4.5	6.0	8.0	2.8	16.0	19.0	21.0	11.5	8.5	-8.5	40	1.09	.99	.86	
♦ 551-UPC2746TB	UPC2746TB	A	1600	3.0	5.0	7.5	10.0	4.0	16.0	19.0	21.0	13.0	8.5	-3.7	45	.91	.83	.72	
♦ 551-UPC2747TB	UPC2747TB	A	1800	4.0	3.8	5.0	7.0	3.3	9.0	12.0	14.0	14.0	10.0	-7.0	40	1.09	.99	.86	
♦ 551-UPC2745TB-A	UPC2745TB-A	A	2700	3.0	5.0	7.5	10.0	6.0	9.0	12.0	14.0	11.0	5.5	-3.0	38	.91	.83	.72	
♦ 551-UPC2749TB-A	UPC2749TB-A	A	2900	3.0	4.0	6.0	8.0	4.0	13.0	16.0	18.5	10.0	12.5	-12.5	30	1.09	.99	.86	
♦ 551-UPC8182TB-A	UPC8182TB-A	A	2900	3.0	22.0	30.0	38.0	4.5	17.5	20.5	23.5	0.0	11.0	+9.0	32	1.27	1.15	.99	
♦ 551-UPC8151TB	UPC-8151TB	A	100 to 1900	3.0	2.8	4.2	5.8	6.0	9.5	12.5	14.5	5.0	10.0	+2.5	38	.91	.83	.72	
♦ 551-UPC8178TB	UPC8178TB	A	100 to 2400	3.0	1.4	1.9	2.4	5.5	9.0	11.5	13.5	8.0	---	-7.0	40	1.54	1.40	1.22	1.
♦ 551-UPC8178TK	UPC8178TK	B	100 to 2400	3.0	1.4	1.9	2.4	5.5	9.0	11.5	13.5	8.0	---	-7.0	40	1.64	1.49	1.29	1.
♦ 551-UPC8179TB-A	UPC8179TB-A	A	100 to 2400	3.0	2.9	4.0	5.4	5.0	13.0	15.5	17.5	7.0	---	1.5	42	1.54	1.40	1.22	1.
♦ 551-UPC8179TK-A	UPC8179TK-A	B	100 to 2400	3.0	2.9	4.0	5.4	5.0	13.0	15.5	17.5	7.0	---	0.5	42	1.64	1.49	1.29	1.
Wideband Amplifiers																			
♦ 551-UPC2710TB-A	UPC2710TB-A	A	1000	5.0	16.0	22.0	29.0	3.5	30.0	33.0	36.5	6.0	12.0	+10.8	39	1.05	.95	.92	
♦ 551-UPC2711TB	UPC2711TB	A	1900	5.0	9.0	12.0	16.0	5.0	11.0	13.0	16.5	25.0	12.0	-2.6	30	1.05	.95	.92	
♦ 551-UPC1678GV-A	UPC1678GV-A	C	1900	5.0	40.0	49.0	60.0	6.0	21.0	23.0	25.0	14.0	4.0	+15.9	35	2.08	1.89	1.65	1.
♦ 551-UPC2771TB	UPC2771TB	A	2100	3.0	---	36.0	45.0	6.0	19.0	21.0	24.0	14.0	10.0	+11.5	30	1.09	.99	.86	
♦ 551-UPC2709TB-A	UPC2709TB-A	A	2300	5.0	19.0	25.0	32.0	5.0	21.0	23.0	26.5	10.0	16.0	+8.7	31	1.05	.95	.92	
♦ 551-UPC2763TB-A	UPC2763TB-A	A	2400	3.0	---	27.0	35.0	5.5	16.5	20.0	22.5	12.0	9.0	+6.5	29	1.09	.99	.86	
♦ 551-UPC2712TB	UPC2712TB	A	2600	5.0	9.0	12.0	16.0	4.5	18.0	20.0	23.5	12.0	13.0	-0.4	33	1.05	.95	.92	
♦ 551-UPC2776TB-A	UPC2776TB-A	A	2700	5.0	18.0	25.0	33.0	6.0	10.0	23.0	26.0	7.5	20.0	+6.0	32	1.05	.95	.92	
♦ 551-UPC2762TB	UPC2762TB	A	2900	3.0	---	27.0	35.0	6.5	11.5	16.5	17.5	8.5	12.0	+7.0	25	1.09	.99	.86	
♦ 551-UPC3215TB-A	UPC3215TB-A	A	2900	5.0	---	14.0	---	2.3	18.5	20.5	---	15.0	9.5	+1.5	44	1.13	1.03	.93	
♦ 551-UPC2708TB-A	UPC2708TB-A	A	2900	5.0	20.0	26.0	33.0	6.5	13.0	16.0	18.5	11.0	20.0	+7.5	23	1.05	.95	.92	
♦ 551-UPC8181TB-A	UPC8181TB-A	A	4000	3.0	---	23.0	30.0	4.5	18.0	21.0	24.0	10.5	10.0	+7.0	32	1.27	1.15	.99	
♦ 551-UPC8119T	UPC8119T	A	100 to 1900	3.0	7.5	11.0	16.0	8.5	10.0	12.5	15.0	6.0	---	+3.0	50	2.30	2.09	1.84	1.
SiGe Low Noise Amplifier																			
♦ 551-UPC8211TK-A	UPC8211TK-A	B	3000	3.0	---	3.5	4.5	1.3	15.5	18.5	21.5	7.5	14.5	-4.0	32.5	.76	.69	.59	

Video Amplifiers

For quantities 2000 and up, call for q

MOUSER STOCK NO.	NEC Part No.	Fig.	VCC (V) Typ.	ICC (mA) Typ.	Differential Voltage Gain		Gain 3dB Down from 100KHz		Price Each			
					Gain 1	Gain 2	Gain 1	Gain 2	1	100	500	10
♦ 551-UPC1663GV	UPC1663GV	C	+/- 6.0	13.0	320	10	120	700	2.00	1.82	1.63	1.

Frequency Downconverters

For quantities 2000 and up, call for q

MOUSER STOCK NO.	NEC Part No.	Fig.	RF Input Freq. Range @ 3dB Down Typ. (MHz)	IF Output Freq. Range @ 3dB Down Typ. (MHz)	VCC (V)	ICC TYP. (mA)	Conversion Gain TYP. (dB)	PSAT TYP. (dBm)	Noise Figure TYP. (dB)	Test Cond. (MHz)		Price Each			
										RF	IF	1	100	500	10
♦ 551-UPC2756TB-A	UPC2756TB-A	A	100 to 2000	10 to 300	3.0	6.0	14	-12	13.0	1000	20	1.85	1.68	1.48	1.
♦ 551-UPC2757TB-A	UPC2757TB-A	A	100 to 2000	20 to 300	3.0	5.6	13	-8	13.0	2000	250	1.85	1.68	1.48	1.
♦ 551-UPC2758TB-A	UPC2758TB-A	A	100 to 2000	20 to 300	3.0	11.0	17	-4	13.0	2000	250	1.85	1.68	1.48	1.
♦ 551-UPC2798GR	UPC2798GR	C	20 to 250	DC to 150	5.0	23.0	25	-----	9.0	-----	-----	3.27	2.97	2.85	2.
♦ 551-UPC3220GR-A	UPC3220GR-A	C	30 to 250	0.1 to 150	5.0	20.0	25	-----	7.0	-----	-----	2.70	2.45	1.89	1.
♦ 551-UPC8112TB	UPC8112TB	A	800 to 2000	100 to 300	3.0	8.5	13	-3	11.2	900	250	1.54	1.40	1.23	1.
♦ 551-UPC2782GR	UPC2782GR	C	900 to 2500	160 to 500	5.0	65.0	10	+4.5	12.0	2100	480	2.94	2.67	2.40	2.

Frequency Upconverters

For quantities 2000 and up, call for q

MOUSER STOCK NO.	NEC Part No.	Fig.	IF Input Freq. Range @ 3dB Down Typ. (MHz)	RF Output Freq. Range Down Typ. (MHz)	VCC TYP. (V)	ICC TYP. (mA)	Conversion Gain TYP. (dB)	PSAT TYP. (dBm)	Noise Figure TYP. (dB)	Price Each			
										1	100	500	10
♦ 551-UPC8163TB	UPC8163TB	A	50 to 300	800 to 2000	3.0	16.5	9	-2	12.5	1.62	1.47	1.29	1.
♦ 551-UPC8172TB	UPC8172TB	A	50 to 400	800 to 2500	3.0	9.0	8.5	0	10.4	1.54	1.40	1.23	1.
♦ 551-UPC8187TB	UPC8187TB	A	50 to 400	800 to 2500	3.0	15.0	11	+2.5	12.0	1.77	1.61	1.41	1.
♦ 551-UPC8106TB	UPC8106TB	A	50 to 400	400 to 2000	3.0	9.0	10	-2	8.5	1.39	1.26	1.11	1.

Prescalers

For quantities 2000 and up, call for q

MOUSER STOCK NO.	NEC Part No.	Fig.	fIN (GHz)		PIN (dBm)		POUT TYP. (dBm)	VCC (V)	ICC (mA)			Divide Ratio	Price Each			
			MIN	MAX	MIN	MAX			MIN	TYP.	MAX		1	100	500	10
♦ 551-UPB1509GV-A	UPB1509GV-A	C	0.5	1	-20	-5	NA	2.2 to 5.5	---	5.3	---	2/4/8	2.62	2.38	2.09	1.
♦ 551-UPB1508GV-A	UPB1508GV-A	C	0.5	3	-10	+10	-7	5.0	---	12	---	2	2.62	2.38	2.09	1.
♦ 551-UPB1507GV-A	UPB1507GV-A	C	0.5	3	-15	+6	NA	5.0	12.5	---	26.5	64/128/256	2.19	1.99	1.78	1.
♦ 551-UPB1510GV-A	UPB1510GV-A	C	0.5	3	-15	+6	-7	5.0	---	16	---	4	2.19	1.99	1.78	1.
♦ 551-UPB1512TU-A	UPB1512TU-A	D	5	13	-8	0	-4.5	5.0	---	48	---	8	3.81	3.46	3.46	3.
♦ 551-UPB1513TU-A	UPB1513TU-A	D	5	13	-8	0	-4.0	5.0	---	48	---	4	3.81	3.46	3.46	3.

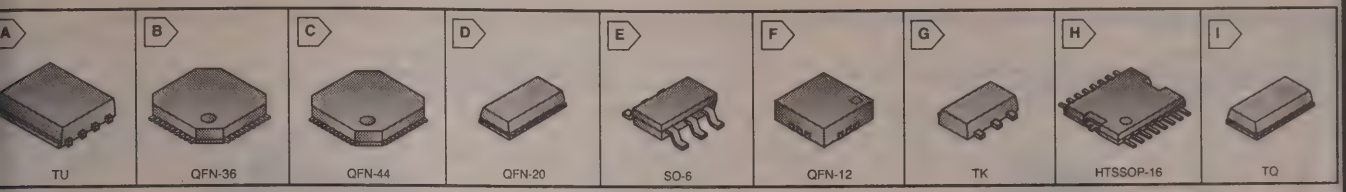
AGC Amplifiers

For quantities 2000 and up, call for q

MOUSER STOCK NO.	NEC Part No.	Fig.	Freq. Range @ 3dB Down TYP (MHz)	VCC (V)	ICC (mA)			NF (dB) TYP.	Gain (dB)			RLIN TYP (dB)	RLOUT TYP (dB)	P1B TYP (dBm)	ISOL TYP (dB)	Price Each			
					MIN	TYP	MAX		MIN	TYP	MAX					1	100	500	10
♦ 551-UPC3217GV	UPC3217GV	C	100	5	15	23	34	6.5	50	53	56	---	---	---	53	1.87	1.70	1.45	1.
♦ 551-UPC3218GV-A	UPC3218GV-A	C	100	5	15	23	34	3.5	60	63	66	---	---	---	53	1.87	1.70	1.45	1.
♦ 551-UPC3219GV-A	UPC3219GV-A	C	100	5	28	35	42	9.0	39	42	45	---	---	---	42	1.87	1.70	1.45	1.
♦ 551-UPC3221GV-A	UPC3221GV-A	C	0 to 250	5	25	33	41	4.2	57	60	63	---	---	---	50	1.87	1.70	1.45	1.
♦ 551-UPC8204TK-A	UPC8204TK-A	B	50 to 2000	3	8.5	11.5	15	7.5	35	40	---	11.0	---	---	----	1.76	1.60	1.51	1.

NEC/CEL SMD Monolithic Microwave IC's

NEC CEL California Eastern Laboratories



♦ Surface Mount

NEC CEL California Eastern Laboratories SMD SILICON MONOLITHIC CIRCUITS

C offers a broad range of silicon ICs for multimedia, mobile communications and wireless applications. They are based on a high performance bipolar process featuring fTS up to 45GHz. The process permits the productions of transistors with lower rasitics, improved passivation and emitter line widths as small as 0.6 microns. It accommodates low operating voltages while offering high operating frequencies, low noise figures, high efficiency and high reliability These devices operate from 1 to 5 volts; y include amplifiers, prescalers, frequency converters, IQ modulators and demodulators and multifunction ICs for GPS (Global Positioning System), RKE (Remote Keyless Entry) and W-CDMA markets or for cable modems/settop boxes applications

ctrical Characteristics (TA=25 C)

river Amplifier

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	VCC (V)	IDS Typ. (mA)	VGS Typ. (V)	Pout Min. dBm)	PAE Typ. (%)	PD Max. (W)	Adjacent Channel Power (dBc)		RLIN Typ. (dB)	RLOUT Typ. (dB)	P1db Typ. (Dbm)	Price Each			
									1	2				1	100	500	1000
551-UPD5702TU-A	UPD5702TU-A	A	3	150	2	20.5	27	0.866	- 61	- 76	10.0	10.0	17	2.09	1.90	1.50	1.40

PS Receivers

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	RF Input Frequency Typ. (MHz)	IO Output Frequency Typ. (MHz)	Conversion Gain Typ.(dB)	VCC (V)	ICC Typ. (dB)	Functions	Power Dissipation Max. (mW)	Price Each			
										1	100	500	1000
551-UPB1008K-A	UPB1008K-A	B	1575.42	132.00	120	3.0	18	LNA, RF & IF Dwnconv, PLL Freq	361	6.49	5.90	5.78	5.78
551-UPB1009K-A	UPB1009K-A	C	1575.42	TCXO	16.1	3.6	26	LNA, RF & IF Dwnconv, PLL Freq	266	7.92	7.20	6.20	6.13

/-CDMA AGC Amplifier + I/Q Modulators

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	RF Input Frequency Typ. (MHz)	IO Output Frequency Typ. (MHz)	Conversion Gain Typ.(dB)		VCC (mA)	ICC (dB)	Noise Figure (dB)	Input P1dB (dBm)	3rd Order Interceptor Point	Price Each			
					Min.	Max.						1	100	500	1000
551-UPC8190K-A	UPC8190K-A	D	380	DC to 10	-20	+77	3.0	9	9.5	-45	-55	6.11	5.55	5.20	5.20
551-UPC8194K	UPC8194K	D	190	DC to 10	-20	+77	3.0	9	9.5	-50	-55	6.11	5.55	4.85	4.50

/-CDMA AGC Amplifier + I/Q Demodulators

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	IF Input Freq. Range @ 3dB Down (MHz)	IF Output Freq. Range @ 1dB Down (MHz)	LO Freq. Range (dBm)	Output Power (Ini. AGC) (dBm)	VCC (V)	ICC (mA)	Price Each			
									1	100	500	1000
551-UPC8191K	UPC8191K	D	DC - 10	263 - 615	350 - 820	-93 to - 13	3.0	30.5	6.11	5.55	5.20	5.20
551-UPC8195K-A	UPC8195K-A	D	DC - 10	230 - 475	460 - 950	-88 to -13	3.0	25.5	6.11	5.55	5.20	5.20

NEC CEL California Eastern Laboratories GAAS MONOLITHIC CIRCUITS

♦ Surface Mount

EC offers a broad range of gallium arsenide (GaAs) IC switches for medium to high power applications. They have the same high reliability, low cost technology found in NEC's discrete FET devices

lectrical Characteristics (TA=25 C)

witches

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Frequency Range (GHz)	Insertion Loss (dB)	Isolation @ 1 GHz (dB)	Isolation @ 2 GHz (dB)	RLIN Min./Typ. (dB)	RLOUT (Through) Min. (dB)	P1dB (dBm)	Switching Speed (ns)	VCONT Control Voltage (V)	Price Each			
												1	100	500	1000
SPDT Dual Control Switches															
551-UPG158TB	UPG158TB	E	0.3 to 2.5	0.5	27	27	17	17	27.0	30	+3/0	.69	.63	.54	.47
551-UPG2214TB-A	UPG2214TB-A	E	0.5 to 2.5	0.35	27	27	15/20	15	20.0	20	-6.0 to +6.0	.66	.60	.48	.38
551-UPG2030TB-A	UPG2030TB-A	E	0.5 to 2.5	0.55	27	27	15	15	30.0	50	-6.0 to +6.0	.83	.75	.65	.55
551-UPG2030TK-A	UPG2030TK-A	G	0.5 to 2.5	0.55	27	27	15	15	30.0	50	-6.0 to +6.0	.59	.54	.49	.49
551-UPG2008TK-A	UPG2008TK-A	G	0.5 to 2.5	0.55	---	27	13	13	25.0	50	-6.0 to +6.0	.77	.70	.55	.45
551-UPG2009TB-A	UPG2009TB-A	E	100 to 2500	0.5	---	28	20	20	36.0	150	+2.5 to +5.3	.99	.90	.80	.78
551-UPG2179TB-A	UPG2179TB-A	E	100 to 2500	0.3	---	27	15/20	15	32.0	50	+2.5 to +5.3	.68	.62	.55	.49
SPDT Single Control Switches															
551-UPG2015TB-A	UPG2015TB-A	E	0.5 to 2.5	0.3	28	25	20	20	+30	300	+6.0	.66	.60	.58	.58
551-UPG2012TB-A	UPG2012TB-A	E	0.1 to 2.5	0.3	---	28	15	15	+24	300	+6.0	.72	.65	.55	.48
551-UPG2012TK-A	UPG2012TK-A	F	0.1 to 2.5	0.3	---	28	15	15	+24	300	+6.0	.74	.67	.57	.50
551-UPG2010TB-A	UPG2010TB-A	E	0.1 to 2.5	0.35	28	25	15	15	+33	1000	+6.0	1.02	.93	.90	.90
551-UPG2022TB-A	UPG2022TB-A	E	4.9 to 6.0	0.9	---	---	10	10	31	20	-6.0 to +6.0	1.10	1.00	.94	.94
Dualband DPDT Switch															
551-UPG2035T5F-A	UPG2035T5F-A	F	2.4 to 2.5 4.9 to 6.0	0.8/1.2	---	34/33	15	15	31/30	50	3.0	.72	.65	.58	.51
Wideband SPDT Switch															
551-UPD5710TK-A	UPD5710TK-A	G	DC - 2.5	1.2	32.5	25	15/20	15/20	+21	30	+2.8/0	.48	.44	.39	.35
DBS IF Switches															
551-UPG181GR	UPG181GR	H	0.95 to 2.15	5.0	33	30	---	16	---	---	+5/0	2.92	2.65	2.65	2.65
551-UPG183GR	UPG183GR	H	0.95 to 2.15	7.0	26.5	23.5	---	14	---	---	+5/0	5.96	5.42	5.23	4.98

Power Amplifier for Bluetooth Class 1

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Operating Frequency (MHz)	Supply Voltage (V)	Total Current (mA)	Input Power (dBm)	Power Gain (dB)	AGC Control Current	AGC Control Voltage (V)	Variable Gain Range (dB)		Total Power Dissipation (mW)	Price Each			
										MIN.	MAX.		1	100	500	1000
551-UPG2301TQ-A	UPG2301TQ-A	I	2400 to 2500	5.0	---	+10.0	23.0	0.5mA	3.6	20.0	23.0	700	2.20	2.00	1.80	1.60

Power Amplifier for UHF to S-Band

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Operating Frequency (MHz)	Supply Voltage (V)	Ref. Voltage Max (V)	Input Power Max (dBm)	Reference Current Max (mA)	Output Power Min (dBm)	Power Added Efficiency Min (%)	Total Power Dissipation (mW)	Price Each			
											1	100	500	1000
551-UPG2118K	UPG2118K	D	800 to 2500	3.2	5.0	15.0	10.0	31.5	42	4	5.17	4.70	4.30	4.30

NEC/CEL RF IC Evaluation Boards

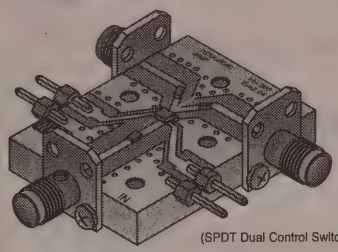
NEC CEL California Eastern Laboratories

Evaluation boards help speed the design process by providing our customers with good examples of working circuit designs. Prototypes are designed, etched and tested in the engineering facility at California Eastern Laboratories.

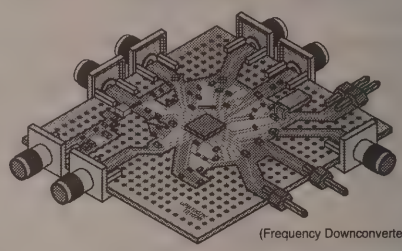
Features:

- Layout is done in AutoCad®
- Boards are produced on FR4 board material to simulate the production environment
- RF and IF inputs and outputs are ported through SMA connectors
- DC connections are through header pins
- On-board bypass capacitors are provided
- Includes assembly drawings, schematics, datasheet and typical test data

Evaluation boards for RFICs are either 50 ohms in and out for wideband use or have been optimized for use at industry standard frequencies (900 MHz, 1900 MHz, 1.9 GHz, etc.)



(SPDT Dual Control Switch Shown)



(Frequency Downconverter Shown)

Low Power Amplifiers

MOUSER STOCK NO.	Description	Price Each
UPC2745TB-EVAL	For evaluation of UPC2745TB	109.00
UPC2746TB-EVAL	For evaluation of UPC2746TB	109.00
UPC2747TB-EVAL	For evaluation of UPC2747TB	109.00
UPC2748TB-EVAL	For evaluation of UPC2748TB	109.00
UPC2749TB-EVAL	For evaluation of UPC2749TB	109.00
UPC8151TB-EV09	For evaluation of UPC8151TB, optimized at 900MHz	109.00
UPC8151TB-EV19	For evaluation of UPC8151TB, optimized at 1.9GHz	109.00
UPC8178TB-EV09	For evaluation of UPC8178TB, optimized for 900MHz	109.00
UPC8178TB-EV19	For evaluation of UPC8178TB, optimized for 1.9GHz	109.00
UPC8178TB-EV24	For evaluation of UPC8178TB, optimized for 2.49GHz	109.00
UPC8178TK-EV09	For evaluation of UPC8178TK, optimized for 900MHz	109.00
UPC8178TK-EV19	For evaluation of UPC8178TK, optimized for 1.9GHz	109.00
UPC8178TK-EV24	For evaluation of UPC8178TK, optimized for 2.4GHz	109.00
UPC8179TB-EV09	For evaluation of UPC8179TB, optimized at 900MHz	109.00
UPC8179TB-EV19	For evaluation of UPC8179TB, optimized at 1.9GHz	109.00
UPC8179TB-EV22	For evaluation of UPC8179TB, optimized at 2.2GHz	109.00
UPC8179TB-EV24	For evaluation of UPC8179TB, optimized at 2.4GHz	109.00
UPC8179TK-EV09	For evaluation of UPC8179TK, optimized at 900MHz	109.00
UPC8179TK-EV19	For evaluation of UPC8179TK, optimized at 1.9GHz	109.00
UPC8179TK-EV24	For evaluation of UPC8179TK, optimized at 2.4GHz	109.00

Wideband Amplifiers

MOUSER STOCK NO.	Description	Price Each
UPC1678GV-EVAL	For evaluation of UPC1678GV	109.00
UPC2708TB-EVAL	For evaluation of UPC2708TB	109.00
UPC2709TB-EVAL	For evaluation of UPC2709TB	109.00
UPC2710TB-EVAL	For evaluation of UPC2710TB	109.00
UPC2711TB-EVAL	For evaluation of UPC2711TB	109.00
UPC2712TB-EVAL	For evaluation of UPC2712TB	109.00
UPC2762TB-EVAL	For evaluation of UPC2762TB	109.00
UPC2763TB-EVAL	For evaluation of UPC2763TB	109.00
UPC2771TB-EVAL	For evaluation of UPC2771TB	109.00
UPC2776TB-EVAL	For evaluation of UPC2776TB	109.00
UPC3215TB-EVAL	For evaluation of UPC3215TB	109.00
UPC8181TB-EVAL	For evaluation of UPC8181TB	109.00
UPC8182TB-EVAL	For evaluation of UPC8182TB	109.00

SiGe Low Noise Amplifier

MOUSER STOCK NO.	Description	Price Each
UPC8211TK-EV04	For evaluation of UPC8211TK-A, optimized at 400MHz	109.00
UPC8211TK-EV09	For evaluation of UPC8211TK-A, optimized at 900MHz	109.00
UPC8211TK-EV15	For evaluation of UPC8211TK-A, optimized at 1.5GHz	109.00
UPC8211TK-EV24	For evaluation of UPC8211TK-A, optimized at 2.4GHz	109.00

Frequency Downconverters

MOUSER STOCK NO.	Description	Price Each
UPC2756TB-EVAL	For evaluation of UPC2756TB	109.00
UPC2757TB-EVAL	For evaluation of UPC2757TB	109.00
UPC2758TB-EVAL	For evaluation of UPC2758TB	109.00
UPC2798GR-EVAL	For evaluation of UPC2798GR	120.00
UPC3220GR-APBD	For evaluation of UPC3220GR-A	109.00
UPC8112TB-EVAL	For evaluation of UPC8112TB	109.00

Frequency Upconverters

MOUSER STOCK NO.	Description	Price Each
UPC8106TB-EV09	For evaluation of UPC8106TB, optimized for 900MHz	109.00
UPC8106TB-EV19	For evaluation of UPC8106TB, optimized for 1.9GHz	109.00
UPC8106TB-EV24	For evaluation of UPC8106TB, optimized for 2.4GHz	109.00
UPC8163TB-EV09	For evaluation of UPC8163TB, optimized for 900MHz	109.00
UPC8163TB-EV19	For evaluation of UPC8163TB, optimized for 1.9GHz	109.00
UPC8187TB-EV08	For evaluation of UPC8187TB, optimized for 800MHz	109.00
UPC8187TB-EV19	For evaluation of UPC8187TB, optimized for 1.9GHz	109.00
UPC8187TB-EV24	For evaluation of UPC8187TB, optimized for 2.4GHz	109.00

Prescalers

MOUSER STOCK NO.	Description	Price Each
UPB1507GV-EVAL	For evaluation of UPB1507GV	109.00
UPB1508GV-EVAL	For evaluation of UPB1508GV	109.00
UPB1509GV-EVAL	For evaluation of UPB1509GV	109.00
UPB1510GV-EVAL	For evaluation of UPB1510GV	109.00

AGC Amplifiers

MOUSER STOCK NO.	Description	Price Each
UPC3217GV-EVAL	For evaluation of UPC3217GV	109.00
UPC3218GV-EVAL	For evaluation of UPC3218GV	109.00
UPC3219GV-EVAL	For evaluation of UPC3219GV	109.00
UPC3221GV-EVAL	For evaluation of UPC3221GV	109.00
UPC8204TK-EV19	For evaluation of UPC8204TK-A, optimized at 1.9GHz	109.00
UPC8204TK-EV24	For evaluation of UPC8204TK-A, optimized at 2.4GHz	109.00

Driver Amplifiers

MOUSER STOCK NO.	Description	Price Each
UPD5702TU-EV09	For evaluation of UPD5702TU-A, optimized at 900MHz	120.00
UPD5702TU-EV24	For evaluation of UPD5702TU-A, optimized at 2.4GHz	120.00

SPDT Dual Control Switches

MOUSER STOCK NO.	Description	Price Each
UPG2009TB-EVAL	For evaluation of UPG2009TB	109.00
UPG2030TK-EVAL	For Evaluation of UPG2030TK-A	109.00
UPG2179TB-EVAL	For evaluation of UPG2179TB-A	109.00

SPDT Single Control Switch

MOUSER STOCK NO.	Description	Price Each
UPG2010TB-EVAL	For evaluation of UPG2010TB	109.00
UPG2012TB-EVAL	For evaluation of UPG2012TB	109.00
UPG2012TK-EVAL	For evaluation of UPG2012TK	109.00
UPG2015TB-EVAL	For evaluation of UPG2015TB-A	109.00

L-Band SP3T Switch

MOUSER STOCK NO.	Description	Price Each
UPG2031TQ-EVAL	For evaluation of UPG2031TQ-A	120.00

Dualband DPDT Switch

MOUSER STOCK NO.	Description	Price Each
UPG2035T5F-EVAL	For evaluation of UPG2035T5F-A	120.00

Wideband SPDT Switch

MOUSER STOCK NO.	Description	Price Each
UPD5710TK-EVAL	For evaluation of UPD570TK-A	109.00

Power Amplifier for UHF to S-Band

MOUSER STOCK NO.	Description	Price Each
UPG2118K-EV09	For evaluation of UPG2118K, optimized at 900MHz	144.00

GaAs Power Amplifier

MOUSER STOCK NO.	Description	Price Each
UPG2301TQ-EVPW24	For evaluation of UPG2301TQ, optimized at 2.4GHz	120.00

OP AMPS

♦ Surface Mount Device

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	NJR Part No.	Package	Description	ft/GBW (MHz)	SlewRate (V/µs)	Price Each 1	25	100
♦ 513-NJU7006F-TE1	NJU7006F-TE1	MTP-5	Super Low Op Cmt and Low Offset V Tiny Single CMOS	0.095	0.04	.96	.94	.83
513-NJU7002M	NJU7002M	DMP-8	Low Voltage CMOS	0.1	0.05	.56	.54	.48
513-NJU7004D	NJU7004D	DIP-14	Low Voltage CMOS	0.1	0.05	1.14	1.04	.95
513-NJU7004M	NJU7004M	DMP-14	Low Voltage CMOS	0.1	0.05	1.44	1.31	1.19
513-NJU7031D	NJU7031D	DIP-8	Low Voltage CMOS	0.1	0.05	.58	.53	.48
513-NJU7054D	NJU7054D	DIP-14	Low Input Offset Voltage CMOS	0.1	0.05	.79	.77	.68
513-NJU7054M	NJU7054M	DMP-14	Low Input Offset Voltage CMOS	0.1	0.05	.76	.74	.65
513-NJU7001D	NJU7001D	DIP-8	Low Voltage CMOS	0.1-1.5	0.05-3.5	.51	.46	.42
513-NJU7001M	NJU7001M	DMP-8	Low Voltage CMOS	0.1-1.5	0.05-3.5	.51	.46	.42
513-NJU7007F2-TE1	NJU7007F2-TE1	SC-88A	Low Power and Low Offset V Super Small-Sized Single CMOS	0.2	0.1	.43	.42	.37
♦ 513-NJU7014D	NJU7014D	DIP-8	Low Power Dual CMOS Dual	0.2	0.1	.61	.59	.52
513-NJU7014M	NJU7014M	DMP-8	Low Power Dual CMOS Dual	0.2	0.1	.61	.59	.52
513-NJU7091AF	NJU7091AF	MTP-5	Low Power and Low Offset Voltage Tiny CMOS Single	0.2	0.1	.60	.55	.51
♦ 513-NJU7094D	NJU7094D	DIP-8	Low Power and Low Offset Voltage CMOS Dual	0.2	0.1	.68	.67	.59
513-NJU7094M	NJU7094M	DMP-8	Low Power and Low Offset Voltage CMOS Dual	0.2	0.1	.68	.67	.59
513-NJU7021M	NJU7021M	DMP-8	Low Voltage CMOS	0.4	0.4	.75	.68	.62
513-NJU7022D	NJU7022D	DIP-8	Low Voltage CMOS	0.4	0.4	.58	.53	.48
513-NJU7022M	NJU7022M	DMP-8	Low Voltage CMOS	0.4	0.4	1.00	.91	.83
513-NJU7024D	NJU7024D	DIP-14	Low Voltage CMOS	0.4	0.4	1.36	1.24	1.13
513-NJU7024M	NJU7024M	DMP-14	Low Voltage CMOS	0.4	0.4	1.56	1.42	1.29
513-NJU7051M	NJU7051M	DMP-8	Low Input Offset Voltage CMOS	0.4	0.4	.38	.37	.33
513-NJU7062D	NJU7062D	DIP-8	Low Input Offset Voltage CMOS	0.4	0.4	.51	.50	.44
513-NJU7062M	NJU7062M	DMP-8	Low Input Offset Voltage CMOS	0.4	0.4	.51	.50	.44
513-NJM2902M	NJM2902M	DMP-14	Quad Single-Supply	0.5	0.5	.41	.40	.36
513-NJM2902N	NJM2902N	DIP-14	Quad Single-Supply	0.5	0.5	.36	.32	.30
513-NJMOP-07D	NJMOP-07D	DIP-8	Ultra-Low Offset Voltage, Low Drift	0.5-8	0.17-3	.74	.67	.61
513-NJMOP-07M	NJMOP-07M	DMP-8	Ultra-Low Offset Voltage, Low Drift	0.5-8	0.17-3	.75	.68	.62
513-NJM2904D	NJM2904D	DIP-8	Single-Supply Dual	0.6	0.5	.25	.23	.21
513-NJM2904M	NJM2904M	DMP-8	Single-Supply Dual	0.6	0.5	.20	.19	.17
513-NJM2123D	NJM2123D	DIP-16	Dual with Analog Switch	0.6-10	0.5-3	.35	.34	.30
513-NJU7011F-TE1	NJU7011F-TE1	MTP-5	Low Power Tiny Single CMOS Single	1	1	.28	.28	.25
♦ 513-NJU7015D	NJU7015D	DIP-8	Low Power Dual CMOS Dual	1	1	.61	.59	.52
513-NJU7015M	NJU7015M	DMP-8	Low Power Dual CMOS Dual	1	1	.61	.59	.52
513-NJU7016D	NJU7016D	DIP-8	Low Voltage CMOS	1	1	.61	.60	.53
513-NJU7016F-TE1	NJU7016F-TE1	MTP-5	Low Voltage CMOS	1	1	.23	.22	.20
♦ 513-NJU7016M	NJU7016M	DMP-8	Low Voltage CMOS	1	1	.61	.60	.53
513-NJU7092AF	NJU7092AF	MTP-5	Low Power and Low Offset Voltage Tiny CMOS Single	1	1	.47	.46	.42
513-NJU7095D	NJU7095D	DIP-8	Low Power and Low Offset Voltage CMOS Dual	1	1	.65	.63	.56
513-NJU7095M	NJU7095M	DMP-8	Low Power and Low Offset Voltage CMOS Dual	1	1	.65	.63	.56
513-NJU7061D	NJU7061D	DIP-8	Low Input Offset Voltage CMOS	1	1.1	.54	.53	.47
513-NJU7061M	NJU7061M	DMP-8	Low Input Offset Voltage CMOS	1	1.1	.54	.53	.47
513-NJU7072D	NJU7072D	DIP-8	Low Input Offset Voltage CMOS	1	1.1	.86	.84	.74
513-NJU7072M	NJU7072M	DMP-8	Low Input Offset Voltage CMOS	1	1.1	.86	.84	.74
513-NJU7074M	NJU7074M	DMP-14	Low Input Offset Voltage CMOS	1	1.1	1.08	1.05	.93
513-NJU7008F2-TE1	NJU7008F2-TE1	SC-88A	Low Offset Voltage Super Small-Sized Single CMOS	1	2.4	.43	.42	.37
♦ 513-NJU7096D	NJU7096D	DIP-8	Low Power and Low Offset Voltage CMOS Dual	1	2.4	.65	.63	.56
513-NJU7096M	NJU7096M	DMP-8	Low Power and Low Offset Voltage CMOS Dual	1	2.4	.50	.49	.43
513-NJM064D	NJM064D	DIP-14	J-FET Input	1	3.5	.58	.53	.48
513-NJU7093AF-TE1	NJU7093AF-TE1	MTP-5	Low Power and Low Offset Voltage Tiny CMOS Single	1	3.7	.50	.49	.43
♦ 513-NJM2125F-TE1	NJM2125F-TE1	MTP-5	Single-Supply	1.2	1.2	.22	.21	.19
♦ 513-NJM3403AD	NJM3403AD	DIP-14	Single-Supply Quad	1.2	1.2	.58	.53	.48
513-NJM3403AM	NJM3403AM	DMP-14	Single-Supply Quad	1.2	1.2	.51	.46	.42
513-NJM3404AD	NJM3404AD	DIP-8	Single-Supply Dual	1.2	1.2	.33	.30	.27
513-NJM3404AM	NJM3404AM	DMP-8	Single-Supply Dual	1.2	1.2	.31	.28	.25
513-NJM12902D1	NJM12902D1	DIP-14	Single Supply Quad	1.5	0.7	.34	.33	.29
513-NJM12902M	NJM12902M	DMP-14	Single Supply Quad	1.5	0.7	.34	.33	.29
513-NJM12904D	NJM12904D	DIP-8	Single Supply Dual	1.5	0.7	.18	.17	.15
513-NJM12904M	NJM12904M	DMP-8	Single Supply Dual	1.5	0.7	.18	.17	.15
513-NJU7032D	NJU7032D	DIP-8	Low Voltage CMOS	1.5	3.5	.80	.73	.66
513-NJU7032M	NJU7032M	DMP-8	Low Voltage CMOS	1.5	3.5	.48	.47	.42
513-NJU7034D	NJU7034D	DIP-14	Low Voltage CMOS	1.5	3.5	1.42	1.29	1.17
513-NJU7034M	NJU7034M	DMP-14	Low Voltage CMOS	1.5	3.5	1.64	1.49	1.35
513-NJM2132D	NJM2132D	DIP-8	Single-Supply Low Power	1.8	2.1	.32	.31	.27
513-NJM2132M	NJM2132M	DMP-8	Single-Supply Low Power	1.8	2.1	.32	.31	.27
513-NJM5532D	NJM5532D	DIP-8	High Performance Low-Noise Dual	1-10	0.3-8	.55	.50	.45
513-NJM5532M	NJM5532M	DMP-8	High Performance Low-Noise Dual	1-10	0.3-8	.47	.43	.39
513-NJM13403D1	NJM13403D1	DIP-14	Single Supply Quad	2	1.2	.50	.49	.43
513-NJM13403M	NJM13403M	DMP-14	Single Supply Quad	2	1.2	.50	.49	.43
513-NJM13404D	NJM13404D	DIP-8	Single Supply Dual	2	1.2	.25	.25	.22
513-NJM13404M	NJM13404M	DMP-8	Single Supply Dual	2	1.2	.25	.25	.22
513-NJM13600D	NJM13600D	DIP-16	Dual Operational Transconductance	2	50	.58	.53	.48
513-NJM13600M	NJM13600M	DMP-16	Dual Operational Transconductance	2	50	.50	.45	.41
513-NJM13700D	NJM13700D	DIP-16	Dual Operational Transconductance	2	50	.68	.62	.56
513-NJM13700M	NJM13700M	DMP-16	Dual Operational Transconductance	2	50	.50	.45	.41
513-NJM2119M	NJM2119M	DMP-8	Dual Single-Supply	2	50	.59	.57	.50
513-NJM4556AD	NJM4556AD	DIP-8	Dual High Current	3	1	.29	.26	.24
513-NJM4558D	NJM4558D	DIP-8	Dual	3	1	.22	.20	.18
513-NJM4558M	NJM4558M	DMP-8	Dual	3	1	.15	.15	.13

NJR Op Amps, Comparators, and DC/DC Converters

JRC NJR CORPORATION

OP AMPS

♦ Surface Mount Device — For quantities 500 and up, call for qu

MOUSER STOCK NO.	NJR Part No.	Package	Description	ft/GBW (MHz)	SlewRate (V/μs)	Price Each 1	25	100
513-NJM062D	NJM062D	DIP-8	Dual	1	3.5	.33	.30	.27
513-NJM4558E	NJM4558E	EMP-8	Dual High Gain	3	1	.24	.22	.20
513-NJM4558L	NJM4558L	SIP-8	Dual High Gain	3	1	.23	.22	.21
513-NJM2120D	NJM2120D	DIP-8	Switching	3	2.2	.36	.35	.31
513-NJM2120M	NJM2120M	DMP-8	Switching	3	2.2	.30	.30	.26
513-NJM072BD	NJM072BD	DIP-8	Dual J-FET Input	3	13	.32	.29	.26
513-NJM072D	NJM072D	DIP-8	Dual J-FET Input	3	13	.38	.36	.34
513-NJM072M	NJM072M	DMP-8	Dual J-FET Input	3	13	.32	.29	.26
513-NJM074D	NJM074D	DIP-14	Quad J-FET Input	3	13	.76	.70	.65
513-NJM074M	NJM074M	DMP-14	Quad J-FET Input	3	13	.64	.58	.53
513-NJM082D	NJM082D	DIP-8	Dual J-FET Input	3	13	.33	.30	.27
513-NJM082M	NJM082M	DMP-8	Dual J-FET Input	3	13	.25	.24	.21
513-NJM084D	NJM084D	DIP-14	Quad J-FET Input	3	13	.69	.63	.57
513-NJM4741D	NJM4741D	DIP-14	General Purpose Quad	3.5	5	.61	.55	.50
513-NJM4741M	NJM4741M	DMP-14	General Purpose Quad	3.5	5	.91	.83	.75
513-NJM14558D	NJM14558D	DIP-8	Dual	5	2.5	.18	.17	.15
513-NJM14558M	NJM14558M	DMP-8	Dual	5	2.5	.18	.17	.15
513-NJM2100D	NJM2100D	DIP-8	Dual	5	2.5	.22	.20	.18
513-NJM2082M	NJM2082M	DMP-8	Dual J-FET Input	5	20	.36	.32	.29
513-NJM2059D	NJM2059D	DIP-14	Quad	6	2	.37	.36	.32
513-NJM2059M	NJM2059M	DMP-14	Quad	6	2	.31	.31	.27
513-NJM4559D	NJM4559D	DIP-8	Dual	6	2	.34	.33	.28
513-NJM4559M	NJM4559M	DMP-8	Dual	6	2	.22	.21	.19
♦ 513-NJM2143R-TE1	NJM2143R-TE1	VSP-8	Single-Supply Dual	8	0.5	.24	.24	.21
513-NJM2060D	NJM2060D	DIP-14	Quad	10	4	.43	.42	.36
513-NJM2060M	NJM2060M	DMP-14	Quad	10	4	.32	.32	.28
513-NJM4560D	NJM4560D	DIP-8	Dual	10	4	.24	.22	.20
513-NJM4560E	NJM4560E	EMP-8	Dual High Gain	10	4	.36	.33	.30
513-NJM4560M	NJM4560M	DMP-8	Dual	10	4	.22	.21	.19
513-NJM4562D	NJM4562D	DIP-8	Dual	10	4	.33	.30	.27
513-NJM4565D	NJM4565D	DIP-8	Dual	10	4	.19	.19	.16
513-NJM4565M	NJM4565M	DMP-8	Dual	10	4	.20	.19	.17
513-NJM5534D	NJM5534D	DIP-8	High Performance Low-Noise Dual	10	13	.33	.30	.27
513-NJM5534M	NJM5534M	DMP-8	High Performance Low-Noise Dual	10	13	.33	.30	.27
513-NJM2122D	NJM2122D	DIP-8	Ultra Low-Noise Dual	12	2.4	.61	.60	.53
513-NJM2122M	NJM2122M	DMP-8	Ultra Low-Noise Dual	12	2.4	.56	.55	.49
♦ 513-NJM2140R-TE1	NJM2140R-TE1	VSP-8	Dual	12	4	.33	.32	.28
513-NJM2121D	NJM2121D	DIP-8	High-Speed Dual with Switch	14	4	.27	.27	.24
513-NJM4580D	NJM4580D	DIP-8	Dual	15	5	.37	.34	.31
513-NJM4580E	NJM4580E	EMP-8	Dual	15	5	.29	.26	.24
513-NJM318D	NJM318D	DIP-8	Precision High-Speed	15	75	.36	.33	.30
513-NJM2068D	NJM2068D	DIP-8	Low-Noise Dual	27	6	.33	.30	.27
513-NJM2068E	NJM2068E	EMP-8	Dual High Gain	27	6	.36	.33	.30
513-NJM2068M	NJM2068M	DMP-8	Low-Noise Dual	27	6	.29	.26	.24
♦ 513-NJM2716F-TE1	NJM2716F-TE1	MTP-5	Single-Supply Hi-Slew Rate Single	30	40	.65	.63	.56
513-NJM4250D	NJM4250D	DIP-8	μ-Power	96	Prog.	.32	.29	.26
513-NJM1458D	NJM1458D	DIP-8	Dual	106	0.5	.34	.31	.28
513-NJM741D	NJM741D	DIP-8	Single	110	0.5	.33	.30	.27
♦ 513-NJM2710V-TE1	NJM2710V-TE1	SSOP-20	Ultra High-Speed Hex	180	320	4.95	4.83	4.26
513-NJM2136M	NJM2136M	DMP-8	Ultra Wide Band, High Slew Rate Single	200	45	.28	.27	.24
513-NJM2137M	NJM2137M	DMP-8	Ultra Wide Band, High Slew Rate Single	200	45	.36	.35	.31
513-NJM2138M	NJM2138M	DMP-14	Ultra Wide Band, High Slew Rate Single	200	45	.53	.61	.54

COMPARATORS

♦ Surface Mount Device — For quantities 500 and up, call for qu

MOUSER STOCK NO.	NJR Part No.	Package	Description	Response Time	Voltage Gain (dB)	Price Each 1	25	100
♦ 513-NJM317DL1-TE1	NJM317DL1-TE1	TO-252	Precision Voltage	200	106	.47	.46	.40
513-NJM317F	NJM317F	TO-220F	Precision Voltage	200	106	.55	.50	.45
♦ 513-NJM2406F-TE1	NJM2406F-TE1	MTP-5	Single	1500	106	.22	.21	.19
513-NJM12903D	NJM12903D	DIP-8	Single Supply Dual	500	106	.17	.16	.14
513-NJM2903D	NJM2903D	DIP-8	Single Supply Dual	500	106	.28	.25	.23
513-NJM12901D1	NJM12901D1	DIP-14	Single Supply Quad	500	106	.28	.27	.24
513-NJM12901M	NJM12901M	DMP-14	Single Supply Quad	500	106	.28	.27	.24
513-NJM2901N	NJM2901N	DIP-14	Single Supply Quad	500	106	.36	.33	.30
♦ 513-NJM2407R-TE1	NJM2407R-TE1	VSP-8	Single-Supply Dual	800	106	.24	.24	.21
513-NJM2403D	NJM2403D	DIP-8	Single-Supply Dual	1500	106	.21	.21	.18
513-NJM319D	NJM319D	DIP-14	Voltage	80	106	.47	.47	.47
513-NJM319M	NJM319M	DMP-14	Voltage	80	106	.54	.53	.47

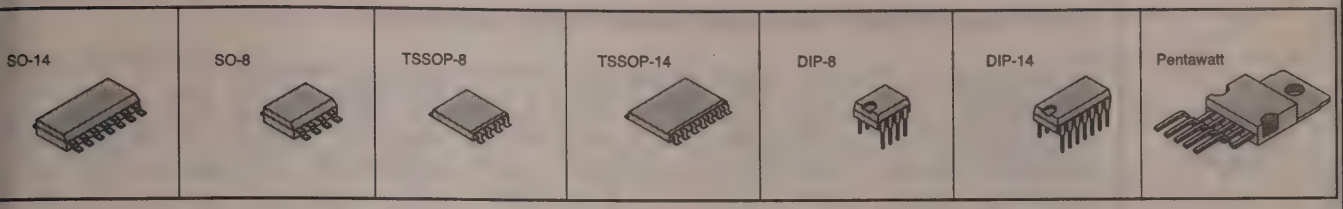
DC/DC CONVERTERS AND DETECTORS

♦ Surface Mount Device — For quantities 500 and up, call for qu

MOUSER STOCK NO.	NJR Part No.	Package	Description	Voltage Min.	Voltage Max.	Price Each 1	25	100
513-NJM2360AM	NJM2360AM	DMP-8	Control IC	2.5	40	.64	.58	.53
513-NJM2360D	NJM2360D	DIP-8	Control IC	2.5	40	.58	.53	.48
513-NJM2384D	NJM2384D	DIP-14	Control IC with Current Sense Amplifier	3.6	32	.74	.72	.63
513-NJM2374AD	NJM2374AD	DIP-8	PWM Control DC/DC Converter IC	2.5	40	.76	.74	.65
513-NJM2374AM	NJM2374AM	DMP-8	PWM Control DC/DC Converter IC	2.5	40	.76	.74	.65
♦ 513-NJU7665AF-TE1	NJU7665AF-TE1	MTP-5	Small Package Voltage Inverter	1.5	5.5	.65	.63	.56
♦ 513-NJU7665BF-TE1	NJU7665BF-TE1	MTP-5	Small Package Voltage Inverter	1.5	5.5	.65	.63	.56
♦ 513-NJU7665CF-TE1	NJU7665CF-TE1	MTP-5	Small Package Voltage Inverter	1.5	5.5	.65	.63	.56
513-NJU7660D	NJU7660D	DIP-8	Voltage Converter	4.5	20	.46	.42	.38
513-NJM7660M	NJM7660M	DMP-8	Voltage Converter	4.5	20	.44	.40	.36
513-NJU7662D	NJU7662D	DIP-8	Voltage Converter	4.5	20	.83	.75	.68
513-NJU7662M	NJU7662M	DMP-8	Voltage Converter	4.5	20	.87	.79	.72
♦ 513-NJU7700F-TE1	NJU7700F-TE1	MTP-5 (SOT-23-5)	Voltage Detector	1.3	6	.16	.15	.13
♦ 513-NJU7701F-TE1	NJU7701F-TE1	MTP-5 (SOT-23-5)	Voltage Detector	1.3	6	.16	.15	.13
513-NJU7670D	NJU7670D	DIP-14	Voltage Tripler	2.6	6	1.51	1.47	1.30
513-NJU7670M	NJU7670M	DMP-14	Voltage Tripler	2.6	6	1.51	1.47	1.30

STMICROELECTRONICS Operational Amplifiers

STMicroelectronics



STMICROELECTRONICS DIFFERENTIAL VARIABLE GAIN OPERATIONAL AMPLIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Diff, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-TS636ID	TS636ID	SO-14	Diff	6.0	8 uA	100	90	12	28.0	-40 to +85	5.52	4.69	4.14
511-TS652ID	TS652ID	SO-14	Diff	6.0	-----	110	100	12	28.0	-40 to +85	3.80	3.23	2.85

STMICROELECTRONICS GENERAL PURPOSE OPERATIONAL AMPLIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-LM201AD	LM201AD	SO-8	S	2.0	75 nA	1.00	0.50	+/- 22	3.00	-40 to +105	1.58	1.05	.70
511-UA741CD	UA741CD	SO-8	S	5.0	100 nA	1.00	0.50	+/- 22	2.80	0 to +70	.30	.26	.23
511-UA741ID	UA741ID	SO-8	S	5.0	100 nA	1.00	0.50	+/- 22	2.80	-40 to +105	.36	.31	.27
511-LM248D	LM248D	SO-14	Q	5.0	100 nA	1.30	0.50	+/- 22	3.60	-40 to +105	.88	.75	.66
511-LM348D	LM348D	SO-14	Q	5.0	100 nA	1.30	0.50	+/- 22	3.60	0 to +70	.50	.43	.38
511-MC1458D	MC1458D	SO-8	D	5.0	500 nA	1.00	0.80	+/- 22	5.00	0 to +70	.28	.24	.18
511-MC1458ID	MC1458ID	SO-8	D	5.0	500 nA	1.00	0.80	+/- 22	5.00	-40 to +105	.34	.29	.26
511-TL082ACD	TL082ACD	SO-8	D	6.0	100 pA	4.00	16.00	+/- 18	2.50	0 to +70	.89	.53	.36
511-TL081ACD	TL081ACD	SO-8	S	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.74	.63	.56
511-TL084ACD	TL084ACD	SO-14	Q	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.96	.82	.72
511-LM301AD	LM301AD	SO-8	S	7.5	250 nA	1.00	0.50	+/- 22	3.00	0 to +70	.56	.48	.42
511-TL082CD	TL082CD	SO-8	D	10.0	100 pA	4.00	16.00	+/- 18	2.50	0 to +70	.44	.37	.33
511-TL082CP	TL082CPT	TSSOP-8	D	10.0	100 pA	4.00	16.00	+/- 18	2.50	0 to +70	.81	.49	.33
511-TL082ID	TL082ID	SO-8	D	10.0	100 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.94	.46	.30
511-TL081CD	TL081CD	SO-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.89	.53	.36
511-TL081ID	TL081ID	SO-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.50	.41	.33
511-TL084CD	TL084CD	SO-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.81	.49	.33
511-TL084CP	TL084CPT	TSSOP-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.44	.37	.33
511-TL084ID	TL084ID	SO-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.64	.54	.48
511-TL084IP	TL084IPT	TSSOP-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.62	.53	.47
Thru Hole													
511-LM201AN	LM201AN	DIP-8	S	2.0	75 nA	1.00	0.50	+/- 22	3.00	-40 to +105	.82	.70	.62
511-UA741CN	UA741CN	DIP-8	S	5.0	100 nA	1.00	0.50	+/- 22	2.80	0 to +70	.35	.26	.19
511-UA741IN	UA741IN	DIP-8	S	5.0	100 nA	1.00	0.50	+/- 22	2.80	-40 to +105	.36	.31	.27
511-LM248N	LM248N	DIP-14	Q	5.0	100 nA	1.30	0.50	+/- 22	3.60	-40 to +105	.82	.70	.62
511-LM348N	LM348N	DIP-14	Q	5.0	100 nA	1.30	0.50	+/- 22	3.60	0 to +70	.48	.41	.36
511-MC1458IN	MC1458IN	DIP-8	D	5.0	500 nA	1.00	0.80	+/- 22	5.00	-40 to +105	.32	.27	.24
511-MC1458N	MC1458N	DIP-8	D	5.0	500 nA	1.00	0.80	+/- 22	5.00	0 to +70	.26	.22	.20
511-TL082ACN	TL082ACN	DIP-8	D	6.0	100 pA	4.00	16.00	+/- 18	2.50	0 to +70	.89	.53	.36
511-TL081ACN	TL081ACN	DIP-8	S	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.74	.63	.56
511-TL084ACN	TL084ACN	DIP-14	Q	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	1.01	.68	.50
511-LM301AN	LM301AN	DIP-8	S	7.5	250 nA	1.00	0.50	+/- 22	3.00	0 to +70	.56	.48	.42
511-L165V	L165V	Pentawatt	S	10.0	1 uA	-----	8.00	+/- 18	-----	-40 to +150	2.72	2.31	1.89
511-TL082CN	TL082CN	DIP-8	D	10.0	100 pA	4.00	16.00	+/- 18	2.50	0 to +70	.65	.39	.25
511-TL082IN	TL082IN	DIP-8	D	10.0	100 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.86	.52	.36
511-TL081CN	TL081CN	DIP-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.70	.42	.27
511-TL081IN	TL081IN	DIP-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.50	.43	.38
511-TL084CN	TL084CN	DIP-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.77	.51	.32
511-TL084IN	TL084IN	DIP-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.99	.59	.41

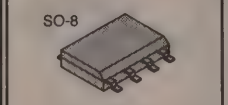
STMICROELECTRONICS HIGH PERFORMANCE OPERATIONAL AMPLIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-LS204ID	LS204ID	SO-8	D	2.5	150 nA	3.00	1.50	+/- 18	1.20	-40 to +105	1.06	.90	.80
511-LS404ID	LS404ID	SO-14	Q	2.5	200 nA	3.00	1.50	+/- 18	2.00	-40 to +105	2.40	2.04	1.80
511-TSH24ID	TSH24ID	SO-14	Q	2.5	650 nA	25.00	15.00	+/-18 or +36	2.75	-40 to +125	1.28	1.09	.95
511-LS204CD	LS204CD	SO-8	D	3.5	300 nA	2.50	1.00	+/- 18	1.50	0 to +70	.90	.77	.68
511-LS404CD	LS404CD	SO-14	Q	5.0	300 nA	2.50	1.00	+/- 18	3.00	0 to +70	1.56	1.33	1.17
Thru Hole													
511-LS404IN	LS404IN	DIP-14	Q	2.5	200 nA	3.00	1.50	+/- 18	2.00	-40 to +105	.88	.75	.66
511-TSH24IN	TSH24IN	DIP-14	Q	2.5	650 nA	25.00	15.00	+/-18 or +36	2.75	-40 to +125	1.28	1.09	.96
511-LS204CN	LS204CN	DIP-8	D	3.5	300 nA	2.50	1.00	+/- 18	1.50	0 to +70	.90	.77	.68
511-LS404CN	LS404CN	DIP-14	Q	5.0	300 nA	2.50	1.00	+/- 18	3.00	0 to +70	1.56	1.33	1.17

STMICROELECTRONICS Operational Amplifiers

STMicroelectronics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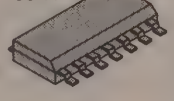
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SO-16

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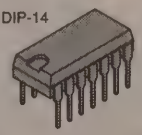
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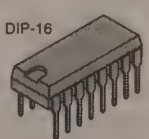

DIP-16

STMICROELECTRONICS HIGH SPEED OPERATIONAL AMPLIFIERS

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-TS512ID	TS512ID	SO-8	D	2.5	150 nA	3.00	1.50	+/- 18	1.20	-40 to +125	.60	.51	.45
511-TSH22ID	TSH22ID	SO-8	D	2.5	650 nA	25.00	15.00	+/-18 or +36	2.75	-40 to +125	1.10	.94	.81
511-TS514AIDT	TS514AIDT	SO-14	Q	2.5	150 nA	3.00	1.50	+/- 18	2.40	-40 to +125	1.77	1.23	.88
511-TS514ID	TS514ID	SO-14	Q	2.5	150 nA	3.00	1.50	+/- 18	2.40	-40 to +125	.94	.80	.71
511-TSH94ID	TSH94ID	SO-16	Q	3.0	15 uA	150.00	110.00	14	6.00	-40 to +125	2.54	2.16	1.76
511-TSH93ID	TSH93ID	SO-14	T	4.0	15 uA	150.00	110.00	14	6.00	-40 to +125	2.04	1.73	1.41
511-TSH95ID	TSH95ID	SO-16	Q	4.0	15 uA	150.00	110.00	14	6.00	-40 to +125	2.16	1.84	1.50
511-TS272ACD	TS272ACD	SO-8	D	5.0	150 pA	3.50	5.50	18	1.50	0 to +70	1.34	1.14	1.01
511-TS272AID	TS272AID	SO-8	D	5.0	150 pA	3.50	5.50	18	1.50	-40 to +125	1.62	1.19	1.05
511-TS272CD	TS272CD	SO-8	D	5.0	150 pA	3.50	5.50	18	1.50	0 to +70	.72	.61	.54
511-TS272ID	TS272ID	SO-8	D	5.0	150 pA	3.50	5.50	18	1.50	-40 to +125	.92	.78	.69
511-TS274ACD	TS274ACD	SO-14	Q	5.0	150 pA	3.50	5.50	3 to 16	1.50	0 to +70	1.60	1.06	.89
511-TS274AID	TS274AID	SO-14	Q	5.0	300 pA	3.50	5.50	3 to 16	1.50	-40 to +125	2.24	1.57	1.12
511-TSH10ID	TSH10ID	SO-8	S	10.0	30uA	140.00	150.00	+/- 7	40.00	-40 to +125	.90	.77	.68
511-TSH310ID-TR	TSH310IDT	SO-8	S	10.0	30uA	140.00	150.00	+/- 7	40.00	-40 to +125	1.74	1.22	.87
511-TSH310IL	TSH310ILT	SOT-23-5L	S	10.0	30uA	140.00	150.00	+/- 7	40.00	-40 to +125	1.74	1.22	.87
511-TS274CD	TS274CD	SO-14	Q	10.0	150 pA	3.50	5.50	3 to 16	1.50	0 to +70	.86	.73	.65
511-TS274ID	TS274ID	SO-14	Q	10.0	300 pA	3.50	5.50	3 to 16	1.50	-40 to +125	1.79	1.19	.99
511-TSH11ID	TSH11ID	SO-8	S	15.0	300 pA	120.00	150.00	+/- 7	40.00	-40 to +125	.98	.83	.74
511-TSH31ID	TSH31ID	SO-8	S	15.0	300 pA	250.00	300.00	+/- 7	40.00	-40 to +125	1.34	1.14	.99
Thru Hole													
511-TS512IN	TS512IN	DIP-8	D	2.5	150 nA	3.00	1.50	+/- 18	1.20	-40 to +125	.60	.51	.45
511-TSH22IN	TSH22IN	DIP-8	D	2.5	650 nA	25.00	15.00	+/-18 or +36	2.75	-40 to +125	1.10	.94	.83
511-TS514IN	TS514IN	DIP-14	Q	2.5	150 nA	3.00	1.50	+/- 18	2.40	-40 to +125	.94	.80	.71
511-TSH93IN	TSH93IN	DIP-14	T	4.0	15 uA	150.00	110.00	14	6.00	-40 to +125	2.04	1.73	1.53
511-TSH95IN	TSH95IN	DIP-16	Q	4.0	15 uA	150.00	110.00	14	6.00	-40 to +125	2.16	1.84	1.62
511-TS272ACN	TS272ACN	DIP-8	D	5.0	150 pA	3.50	5.50	18	1.50	0 to +70	1.34	1.14	1.01
511-TS272AIN	TS272AIN	DIP-8	D	5.0	150 pA	3.50	5.50	18	1.50	-40 to +125	1.50	1.00	.66
511-TS272CN	TS272CN	DIP-8	D	5.0	150 pA	3.50	5.50	18	1.50	0 to +70	.72	.61	.54
511-TS272IN	TS272IN	DIP-8	D	5.0	150 pA	3.50	5.50	18	1.50	-40 to +125	.92	.78	.68
511-TS274ACN	TS274ACN	DIP-14	Q	5.0	150 pA	3.50	5.50	3 to 16	1.50	0 to +70	1.68	1.43	1.26
511-TS274AIN	TS274AIN	DIP-14	Q	5.0	300 pA	3.50	5.50	3 to 16	1.50	-40 to +125	2.12	1.80	1.59
511-TSH10IN	TSH10IN	DIP-8	S	10.0	30 uA	140.00	150.00	+/- 7	40.00	-40 to +125	.90	.77	.68
511-TS274CN	TS274CN	DIP-14	Q	10.0	150 pA	3.50	5.50	3 to 16	1.50	0 to +70	.86	.73	.65
511-TS274IN	TS274IN	DIP-14	Q	10.0	300 pA	3.50	5.50	3 to 16	1.50	-40 to +125	1.10	.94	.83
511-TSH11IN	TSH11IN	DIP-8	S	15.0	300 pA	120.00	150.00	+/- 7	40.00	-40 to +125	.98	.83	.74
511-TSH31IN	TSH31IN	DIP-8	S	15.0	300 pA	280.00	300.00	+/- 7	40.00	-40 to +125	1.34	1.14	1.01

STMICROELECTRONICS LOW NOISE OPERATIONAL AMPLIFIERS

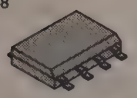
For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-TS522ID	TS522ID	SO-8	D	0.85	750 nA	15.00	7.00	+/-18 or +36	5.00	-40 to +105	.68	.58	.51
511-TS524ID	TS524ID	SO-14	Q	0.95	750 nA	15.00	7.00	+/-18 or +36	10.00	-40 to +105	.96	.82	.72
511-MC33078D	MC33078D	SO-8	D	2.0	750 nA	15.00	7.00	+/-18 or +36	5.00	-40 to +105	.64	.54	.43
511-MC33079D	MC33079D	SO-14	Q	2.5	750 nA	15.00	7.00	+/-18 or +36	10.00	-40 to +105	.88	.74	.57
511-TSH350ID-TR	TSH350IDT	SO-8	S	4.0	35 uA	------	940.00	6	4.90	-40 to +85	1.74	1.22	.87
511-TSH350IL	TSH350ILT	SOT-23-5L	S	4.0	35 uA	------	940.00	6	4.90	-40 to +85	1.74	1.22	.87
511-LM833D	LM833D	SO-8	D	5.0	1000 nA	15.00	7.00	+/-18 or +36	8.00	-40 to +105	.50	.43	.38
511-TL071ACD	TL071ACD	SO-8	S	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.70	.60	.53
511-TL072ACD	TL072ACD	SO-8	D	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.74	.63	.56
511-TL074ACD	TL074ACD	SO-14	Q	6.0	200 pA	3.00	13.00	+/- 18	2.50	0 to +70	.96	.82	.72
511-TL071CD	TL071CD	SO-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.69	.41	.25
511-TL071ID	TL071ID	SO-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.50	.43	.38
511-TL072CD	TL072CD	SO-8	D	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.48	.41	.36
511-TL072ID	TL072ID	SO-8	D	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.54	.46	.41
511-TL074CD	TL074CD	SO-14	Q	10.0	200 pA	3.00	13.00	+/- 18	2.50	0 to +70	.52	.44	.39
511-TL074ID	TL074ID	SO-14	Q	10.0	200 pA	3.00	13.00	+/- 18	2.50	-40 to +105	.64	.54	.48
Thru Hole													
511-TS522IN	TS522IN	DIP-8	D	0.85	750 nA	15.00	7.00	+/-18 or +36	5.00	-40 to +105	.68	.58	.51
511-TS524IN	TS524IN	DIP-14	Q	0.95	750 nA	15.00	7.00	+/-18 or +36	10.00	-40 to +105	.96	.82	.72
511-MC33078N	MC33078N	DIP-8	D	2.0	750 nA	15.00	7.00	+/-18 or +36	5.00	-40 to +105	1.04	.58	.38
511-MC33079N	MC33079N	DIP-14	Q	2.5	750 nA	15.00	7.00	+/-18 or +36	10.00	-40 to +105	1.24	.83	.55
511-LM833N	LM833N	DIP-8	D	5.0	1000 nA	15.00	7.00	+/-18 or +36	8.00	-40 to +105	.48	.41	.36
511-TL071ACN	TL071ACN	DIP-8	S	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.70	.60	.53
511-TL072ACN	TL072ACN	DIP-8	D	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.74	.63	.56
511-TL074ACN	TL074ACN	DIP-14	Q	6.0	200 pA	3.00	13.00	+/- 18	2.50	0 to +70	.96	.82	.72
511-TL071CN	TL071CN	DIP-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.40	.34	.30
511-TL071IN	TL071IN	DIP-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.50	.43	.38
511-TL072CN	TL072CN	DIP-8	D	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.65	.39	.25
511-TL072IN	TL072IN	DIP-8	D	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.54	.46	.41
511-TL074CN	TL074CN	DIP-14	Q	10.0	200 pA	3.00	13.00	+/- 18	2.50	0 to +70	.77	.51	.32
511-TL074IN	TL074IN	DIP-14	Q	10.0	200 pA	3.00	13.00	+/- 18	2.50	-40 to +105	.99	.55	.37

MOUSER ELECTRONICS a tti company (800) 346-6873

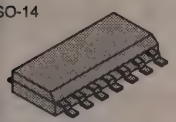
STMICROELECTRONICS LOW POWER OPERATIONAL AMPLIFIERS

SO-8



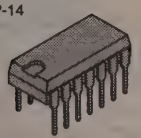
SOT-23-5L

SO-14



DIP-8

DIP-14



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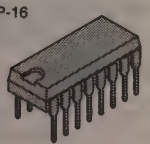

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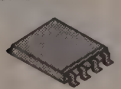

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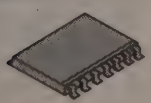


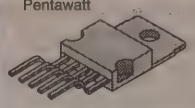
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-TS321AID	TS321AID	SO-8	S	2.0	150 nA	0.80	0.40	+/- 16 or 32	0.60	-40 to +125	.46	.39	.35
511-TS321AIL	TS321AILT	SOT-23-5L	S	2.0	150 nA	0.80	0.40	+/- 16 or 32	0.60	-40 to +125	.85	.57	.46
511-LM358AD	LM358AD	SO-8	D	3.0	50 nA	1.10	0.60	+ 32	2.00	0 to +70	.38	.32	.25
511-LM324AD	LM324AD	SO-14	Q	3.0	100 nA	1.30	0.40	+/- 16 or 32	3.00	0 to +70	.38	.32	.25
511-TS321ID	TS321ID	SO-8	S	4.0	150 nA	0.80	0.40	+/- 16 or 32	0.60	-40 to +125	.34	.29	.26
511-TS321IL	TS321ILT	SOT-23-5L	S	4.0	150 nA	0.80	0.40	+/- 16 or 32	0.60	-40 to +125	.70	.42	.27
511-MC33171D	MC33171D	SO-8	S	4.5	100 nA	2.10	2.00	+/- 22	0.25	-40 to +105	.58	.49	.44
511-MC33172D	MC33172D	SO-8	D	4.5	100 nA	2.10	2.00	+/- 22	0.25	-40 to +105	.84	.64	.55
511-MC33174D	MC33174D	SO-14	Q	4.5	100 nA	2.10	2.00	+/- 22	0.25	-40 to +105	.97	.72	.72
511-LM258D	LM258D	SO-8	D	5.0	150 nA	1.10	0.60	+ 32	2.00	-40 to +105	.32	.27	.21
511-LM258P	LM258PT	TSSOP-8	D	5.0	150 nA	1.10	0.60	+ 32	2.00	-40 to +105	.42	.36	.32
511-TS27M2ACD	TS27M2ACD	SO-8	D	5.0	150 pA	1.00	0.60	18	0.20	0 to +70	1.36	1.16	1.02
511-TS27M2ACP	TS27M2ACPT	TSSOP-8	D	5.0	150 pA	1.00	0.60	18	0.20	0 to +70	1.46	1.24	1.10
511-TS27M2AID	TS27M2AID	SO-8	D	5.0	300 pA	1.00	0.60	18	0.20	-40 to +125	1.34	1.09	1.09
511-TS27M2AIP	TS27M2AIPT	TSSOP-8	D	5.0	300 pA	1.00	0.60	18	0.20	-40 to +125	1.74	1.48	1.31
511-LM124D	LM124D	SO-14	Q	5.0	150 nA	1.30	0.40	+/- 16 or 32	3.00	-55 to +125	1.46	1.24	1.08
511-LM224AP	LM224APT	TSSOP-14	Q	5.0	200 nA	1.30	0.40	+/- 16 or 32	3.00	-40 to +105	.86	.51	.35
511-LM224D	LM224D	SO-14	Q	5.0	150 nA	1.30	0.40	+/- 16 or 32	3.00	-40 to +105	.34	.29	.26
511-LM224P	LM224PT	TSSOP-14	Q	5.0	150 nA	1.30	0.40	+/- 16 or 32	3.00	-40 to +105	.32	.27	.24
511-TS27M4ACD	TS27M4ACD	SO-14	Q	5.0	150 pA	1.00	0.60	18	0.20	0 to +70	1.70	1.45	1.28
511-TS27M4ACP	TS27M4ACPT	TSSOP-14	Q	5.0	150 pA	1.00	0.60	18	0.20	0 to +70	1.90	1.62	1.43
511-TS27M4AID	TS27M4AID	SO-14	Q	5.0	300 pA	1.00	0.60	18	0.20	-40 to +125	1.56	1.09	.78
511-TS27M4AIP	TS27M4AIPT	TSSOP-14	Q	5.0	300 pA	1.00	0.60	18	0.20	-40 to +125	1.96	1.67	1.47
511-MC3303D	MC3303D	SO-14	Q	5.0	500 nA	1.00	0.50	+/-18 or 36	7.00	-40 to +105	.64	.54	.48
511-MC3403D	MC3403D	SO-14	Q	5.0	500 nA	1.00	0.50	+/-18 or 36	7.00	0 to +70	.52	.44	.39
511-MC3403P	MC3403PT	TSSOP-14	Q	5.0	500 nA	1.00	0.50	+/-18 or 36	7.00	0 to +70	.38	.32	.29
511-TL061ID	TL061ID	SO-8	S	6.0	214 pA	1.00	3.50	+/- 18	250.00	-40 to +105	.54	.46	.41
511-TL062ID	TL062ID	SO-8	D	6.0	214 pA	1.00	3.50	+/- 18	250.00	-40 to +105	.70	.42	.29
511-TL064ID	TL064ID	SO-14	Q	6.0	214 pA	1.00	3.50	+/- 18	250.00	-40 to +105	.72	.61	.54
511-LM2904D	LM2904D	SO-8	D	7.0	150 nA	1.10	0.60	+ 32	1.20	-40 to +125	.32	.26	.21
511-LM2904P	LM2904PT	TSSOP-8	D	7.0	150 nA	1.10	0.60	+ 32	1.20	-40 to +125	.43	.26	.16
511-LM358D	LM358D	SO-8	D	7.0	150 nA	1.10	0.60	+ 32	2.00	0 to +70	.26	.22	.17
511-LM358P	LM358PT	TSSOP-8	D	7.0	150 nA	1.10	0.60	+ 32	2.00	0 to +70	.34	.29	.26
511-LM224AD	LM224AD	SO-14	Q	7.0	150 nA	1.30	0.40	+/- 16 or 32	3.00	-40 to +105	.48	.41	.36
511-LM2902D	LM2902D	SO-14	Q	7.0	150 nA	1.30	0.40	+/- 16 or 32	3.00	-40 to +125	.32	.26	.21
511-LM2902P	LM2902PT	TSSOP-14	Q	7.0	150 nA	1.30	0.40	+/- 16 or 32	3.00	-40 to +125	.60	.36	.23
511-LM324D	LM324D	SO-14	Q	7.0	150 nA	1.30	0.40	+/- 16 or 32	3.00	0 to +70	.28	.24	.18
511-TS27M2CD	TS27M2CD	SO-8	D	10.0	150 pA	1.00	0.60	18	0.20	0 to +70	.72	.61	.54
511-TS27M2CP	TS27M2CPT	TSSOP-8	D	10.0	150 pA	1.00	0.60	18	0.20	0 to +70	.84	.71	.63
511-TS27M2ID	TS27M2ID	SO-8	D	10.0	300 pA	1.00	0.60	18	0.20	-40 to +125	.92	.78	.69
511-TS27M2IP	TS27M2IPT	TSSOP-8	D	10.0	300 pA	1.00	0.60	18	0.20	-40 to +125	1.00	.85	.75
511-TS27M4CD	TS27M4CD	SO-14	Q	10.0	150 pA	1.00	0.60	18	0.20	0 to +70	.90	.77	.68
511-TS27M4CP	TS27M4CPT	TSSOP-14	Q	10.0	150 pA	1.00	0.60	18	0.20	0 to +70	1.06	.90	.80
511-TS27M4ID	TS27M4ID	SO-14	Q	10.0	300 pA	1.00	0.60	18	0.20	-40 to +125	1.10	.94	.81
511-TS27M4IP	TS27M4IPT	TSSOP-14	Q	10.0	300 pA	1.00	0.60	18	0.20	-40 to +125	1.22	1.04	.92
511-TL061ACD	TL061ACD	SO-8	S	15.0	400 pA	1.00	3.50	+/- 18	250.00	0 to +70	.70	.60	.53
511-TL061CD	TL061CD	SO-8	S	15.0	400 pA	1.00	3.50	+/- 18	250.00	0 to +70	.44	.37	.33
511-TL062ACD	TL062ACD	SO-8	D	15.0	400 pA	1.00	3.50	+/- 18	250.00	0 to +70	.74	.63	.56
511-TL062CD	TL062CD	SO-8	D	15.0	400 pA	1.00	3.50	+/- 18	250.00	0 to +70	.46	.39	.35
511-TL064ACD	TL064ACD	SO-14	Q	15.0	400 pA	1.00	3.50	+/- 18	250.00	0 to +70	1.02	.87	.77
511-TL064CD	TL064CD	SO-14	Q	15.0	400 pA	1.00	3.50	+/- 18	250.00	0 to +70	.94	.46	.30
Thru Hole													
511-LM258AN	LM258AN	DIP-8	D	3.0	50 nA	1.10	0.60	+ 32	1.20	-40 to +105	.28	.24	.21
511-LM358AN	LM358AN	DIP-8	D	3.0	50 nA	1.10	0.60	+ 32	2.00	0 to +70	.38	.32	.29
511-LM224AN	LM224AN	DIP-14	Q	3.0	100 nA	1.30	0.40	+/- 16 or 32	3.00	-40 to +105	.81	.49	.33
511-LM324AN	LM324AN	DIP-14	Q	3.0	100 nA	1.30	0.40	+/- 16 or 32	3.00	0 to +70	.55	.26	.16
511-MC33171N	MC33171N	DIP-8	S	4.5	100 nA	2.10	2.00	+/- 22	0.25	-40 to +105	.58	.49	.44
511-MC33172N	MC33172N	DIP-8	D	4.5	100 nA	2.10	2.00	+/- 22	0.25	-40 to +105	.84	.71	.63
511-MC33174N	MC33174N	DIP-14	Q	4.5	100 nA	2.10	2.00	+/- 22	0.25	-40 to +105	1.10	.94	.83
511-LM258N	LM258N	DIP-8	D	5.0	150 nA	1.10	0.60	+ 32	2.00	-40 to +105	.55	.33	.21
511-TS27M2ACN	TS27M2ACN	DIP-8	D	5.0	150 pA	1.00	0.60	18	0.20	0 to +70	1.34	1.14	1.01
511-TS27M2AIN	TS27M2AIN	DIP-8	D	5.0	300 pA	1.00	0.60	18	0.20	-40 to +125	1.69	1.13	.75
511-TS27M4ACN	TS27M4ACN	DIP-14	Q	5.0	150 pA	1.00	0.60	18	0.20	0 to +70	1.70	1.45	1.28
511-LM224N	LM224N	DIP-14	Q	5.0	150 pA	1.30	0.40	+/- 16 or 32	3.00	-40 to +105	.55	.33	.21
511-TS27M4AIN	TS27M4AIN	DIP14	Q	5.0	300 pA	1.00	0.60	18	0.20	-40 to +125	2.12	1.80	1.59
511-MC3303N	MC3303N	DIP-14	Q	5.0	500 nA	1.00	0.50	+/-18 or 36	7.00	-40 to +105	.64	.54	.48
511-MC3403N	MC3403N	DIP-14	Q	5.0	500 nA	1.00	0.50	+/-18 or 36	7.00	0 to +70	.52	.44	.39
511-TL061IN	TL061IN	DIP-8	S	6.0	214 pA	1.00	3.50	+/- 18	250.00	-40 to +105	.77	.46	.28
511-TL062IN	TL062IN	DIP-8	D	6.0	214 pA	1.00	3.50	+/- 18	250.00	-40 to +105	.58	.49	.44
511-TL064IN	TL064IN	DIP-14	Q	6.0	214 pA	1.00	3.50	+/- 18	250.00	-40 to +105	1.00	.60	.38
511-LM2904N	LM2904N	DIP-8	D	7.0	150 nA	1.10	0.60	+ 32	1.20	-40 to +125	.55	.26	.16
511-LM358N	LM358N	DIP-8	D	7.0	150 nA	1.10	0.60	+ 32	2.00	0 to +70	.55	.26	.16
511-LM2902N	LM2902N	DIP-14	Q	7.0	150 nA	1.30	0.40	+/- 16 or 32	3.00	-40 to +125	.55	.26	.16
511-LM324N	LM324N	DIP-14	Q	7.0	150 pA	1.30	0.40	+/- 16 or 32	3.00	0 to +70	.55	.26	.16
511-TS27M2CN	TS27M2CN	DIP-8	D	10.0	150 pA	1.00	0.60	18	0.20	0 to +70	.72	.61	.54
511-TS27M2IN	TS27M2IN	DIP-8	D	10.0	300 pA	1.00	0.60	18	0.20	-40 to +125	1.35	.90	.60
511-TS27M4CN	TS27M4CN	DIP-14	Q	10.0	150 pA	1.00	0.60	18	0.20	0 to +70	.90	.77	.68
511-TS27M4IN	TS27M4IN	DIP-14	Q	10.0	300 pA	1.00	0.60	18	0.20	-40 to +125	1.73	1.15	.76
511-TL061CN	TL061CN	DIP-8	S	15.0	400 pA	1.00	3.50	+/- 18	250.00	0 to +70	.77	.46	.28
511-TL062ACN	TL062ACN	DIP-8	D	15.0	400 pA	1.00	3.50	+/- 18	250.00	0 to +70	.74	.63	.56
511-TL062CN	TL062CN	DIP-8	D	15.0	400 pA	1.00	3.50	+/- 18	250.00	0 to +70	.70	.42	.27
511-TL064ACN	TL064ACN	DIP-14	Q	15.0	400 pA	1.00	3.50	+/- 18	250.00	0 to +70	1.48	.88	.54
511-TL064CN	TL064CN	DIP-14	Q	15.0	400 pA	1.00	3.50	+/- 18	250.00	0 to +70	.77	.46	.31

STMICROELECTRONICS Operational Amplifiers

STMicroelectronics

Pentawatt



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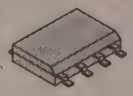

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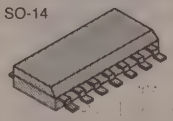

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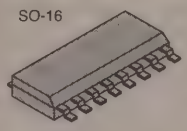

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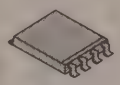

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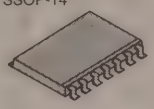

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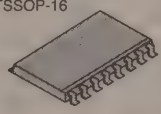

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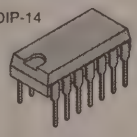

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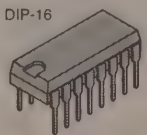


STMICROELECTRONICS POWER OPERATIONAL AMPLIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Thru Hole													
511-L165H	L165H	Pentawatt	S	10.0	1 uA	-----	8.00	18	-----	-40 to +150	2.84	2.41	1.97
511-L272M	L272M	DIP-8	D	60.0	2.5 uA	0.35	1.00	28	-----	-40 to +85	1.56	1.33	1.17
511-L272	L272	DIP-16	D	60.0	2.5 uA	0.35	1.00	28	-----	-40 to +85	1.48	1.26	1.10

STMICROELECTRONICS PRECISION OPERATIONAL AMPLIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-UA748ID	UA748ID	SO-8	S	2.0	10 nA	1.00	0.50	+/- 22	3.00	-40 to +105	1.09	.73	.48
511-UA748CD	UA748CD	SO-8	S	7.5	50 nA	1.00	0.50	+/- 22	3.00	0 to +70	.48	.41	.36
Thru Hole													
511-OP07CN	OP07CN	DIP-8	S	0.15	7 nA	0.50	0.17	+/- 22	5.00	-40 to +105	.76	.65	.57
511-TEB1033N	TEB1033N	DIP-8	D	1.0	100 nA	2.00	1.00	+/- 18	1.50	0 to +70	.94	.80	.71
511-UA748IN	UA748IN	DIP-8	S	2.0	10 nA	1.00	0.50	+/- 22	3.00	-40 to +105	.58	.49	.44
511-UA748CN	UA748CN	DIP-8	S	7.5	50 nA	1.00	0.50	+/- 22	3.00	0 to +70	1.03	.62	.42

STMICROELECTRONICS PROGRAMMABLE OPERATIONAL AMPLIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-TS271ACD	TS271ACD	SO-8	S	5.0	150 pA	0.10	0.04	18	0.15	0 to +70	.80	.68	.53
511-TS271AID	TS271AID	SO-8	S	5.0	300 pA	0.10	0.04	18	0.15	-40 to +125	.94	.80	.71
511-TS271CD	TS271CD	SO-8	S	10.0	150 pA	0.10	0.04	18	0.15	0 to +70	.50	.43	.38
511-TS271ID	TS271ID	SO-8	S	10.0	300 pA	0.10	0.04	18	0.15	-40 to +125	.64	.54	.42
Thru Hole													
511-TS271ACN	TS271ACN	DIP-8	S	5.0	150 pA	0.10	0.04	18	0.15	0 to +70	1.24	.83	.55
511-TS271AIN	TS271AIN	DIP-8	S	5.0	300 pA	0.10	0.04	18	0.15	-40 to +125	.94	.80	.71
511-LM346N	LM346N	DIP-16	Q	5.0	250 nA	1.00	0.50	+/- 22	2.00	0 to +70	1.24	1.05	.93
511-TS271CN	TS271CN	DIP-8	S	10.0	150 pA	0.10	0.04	18	0.15	0 to +70	.50	.43	.38
511-TS271IN	TS271IN	DIP-8	S	10.0	300 pA	0.10	0.04	18	0.15	-40 to +125	.64	.54	.48

STMICROELECTRONICS RAIL-TO-RAIL FULL CMOS OPERATIONAL AMPLIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-TS912BID	TS912BID	SO-8	D	2.0	100 pA	1.00	0.80	18	0.35	-40 to +125	1.46	1.24	1.10
511-TS912AIDT	TS912AIDT	SO-8	D	7.0	150 pA	0.80	+0.4/-0.3	18	0.30	-40 to +125	1.73	1.15	.76
511-TS912ID	TS912ID	SO-8	D	10.0	100 pA	1.00	0.80	18	0.35	-40 to +125	1.06	.90	.80
511-TS914ID	TS914ID	SO-14	Q	10.0	150 pA	0.90	+0.8/-0.5	18	0.35	-40 to +125	1.93	1.35	.97
Thru Hole													
511-TS912IN	TS912IN	DIP-8	D	10.0	100 pA	1.00	0.80	18	0.35	-40 to +125	1.36	.95	.67
511-TS914IN	TS914IN	DIP-14	Q	10.0	150 pA	0.90	+0.8/-0.5	18	0.35	-40 to +125	2.03	1.41	1.00

STMICROELECTRONICS RAIL-TO-RAIL HIGH OUTPUT CURRENT OPERATIONAL AMPLIFIERS

For quantities of 1000 and up, call for quote.

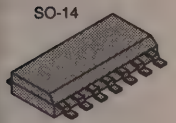
MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-TS922AID	TS922AID	SO-8	D	0.9	100 nA	4.00	1.30	14	3.00	-40 to +125	1.18	1.00	.77
511-TS922AIP	TS922AIPT	TSSOP-8	D	0.9	100 nA	4.00	1.30	14	3.00	-40 to +125	1.28	1.09	.96
511-TS924AID	TS924AID	SO-14	Q	0.9	100 nA	4.00	1.30	14	7.00	-40 to +125	1.86	1.58	1.31
511-TS924AIP	TS924AIPT	TSSOP-14	Q	0.9	100 nA	4.00	1.30	14	7.00	-40 to +125	1.96	1.67	1.47
511-TS925AID	TS925AID	SO-16	Q	0.9	100 nA	4.00	1.30	14	8.00	-40 to +125	1.60	1.36	1.20
511-TS925AIP	TS925AIPT	TSSOP-16	Q	0.9	100 nA	4.00	1.30	14	8.00	-40 to +125	2.97	2.08	1.49
511-TS921ID	TS921ID	SO-8	S	3.0	100 nA	4.00	1.30	12	1.50	-40 to +125	.82	.70	.62
511-TS921IP	TS921IPT	TSSOP-8	S	3.0	100 nA	4.00	1.30	14	1.50	-40 to +125	.52	.44	.39
511-TS922ID	TS922ID	SO-8	D	3.0	100 nA	4.00	1.30	14	3.00	-40 to +125	1.18	1.00	.87
511-TS922IP	TS922IPT	TSSOP-8	D	3.0	100 nA	4.00	1.30	14	3.00	-40 to +125	1.02	.87	.77
511-TS924ID	TS924ID	SO-14	Q	3.0	100 nA	4.00	1.30	14	7.00	-40 to +125	1.54	1.31	1.16
511-TS924IP	TS924IPT	TSSOP-14	Q	3.0	100 nA	4.00	1.30	14	7.00	-40 to +125	1.66	1.41	1.25
511-TS925ID	TS925ID	SO-16	Q	3.0	100 nA	4.00	1.30	14	8.00	-40 to +125	1.60	1.36	1.19
511-TS925IP	TS925IPT	TSSOP-16	Q	3.0	100 nA	4.00	1.30	14	8.00	-40 to +125	1.78	1.51	1.34
Thru Hole													
511-TS922AIN	TS922AIN	DIP-8	D	0.9	100 nA	4.00	1.30	14	3.00	-40 to +125	1.18	1.00	.89
511-TS924AIN	TS924AIN	DIP-14	Q	0.9	100 nA	4.00	1.30	14	7.00	-40 to +125	1.86	1.58	1.40
511-TS925AIN	TS925AIN	DIP-16	Q	0.9	100 nA	4.00	1.30	14	8.00	-40 to +125	1.60	1.36	1.20
511-TS921IN	TS921IN	DIP-8	S	3.0	100 nA	4.00	1.30	12	1.50	-40 to +125	1.54	1.03	.68
511-TS922IN	TS922IN	DIP-8	D	3.0	100 nA	4.00	1.30	14	3.00	-40 to +125	1.18	1.00	.87
511-TS924IN	TS924IN	DIP-14	Q	3.0	100 nA	4.00	1.30	14	7.00	-40 to +125	1.54	1.31	1.16
511-TS925IN	TS925IN	DIP-16	Q	3.0	100 nA	4.00	1.30	14	8.00	-40 to +125	1.60	1.36	1.20

SOT-23-5L

SO-8

TSSOP-8

SO-14



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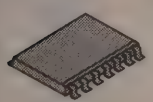


DIP-8

DIP-14

STMICROELECTRONICS RAIL-TO-RAIL LOW POWER OPERATIONAL AMPLIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-TS1851IL	TS1851ILT	SOT-23-5L	S	3.0	50 nA	0.48	0.18	7	0.17	-40 to +125	1.10	.94	.83
511-TS1852ID	TS1852ID	SO-8	D	3.0	50 nA	0.48	0.18	7	0.17	-40 to +125	1.28	1.09	.95
511-TS1852IS	TS1852IST	SO-8	D	3.0	50 nA	0.48	0.18	7	0.17	-40 to +125	1.28	1.09	.96
511-TS1854IP	TS1854IPT	TSSOP-14	Q	3.0	50 nA	0.48	0.18	7	0.17	-40 to +125	1.80	1.53	1.35
511-TS461CD	TS461CD	SO-8	S	5.0	750 nA	10.00	4.00	12	2.80	-20 to +70	.72	.43	.29
511-TS461CL	TS461CLT	SOT-23-5L	S	5.0	750 nA	10.00	4.00	12	2.80	-20 to +70	.32	.27	.24
511-TS462CD	TS462CD	SO-8	D	5.0	750 nA	10.00	4.00	12	2.80	-20 to +70	.42	.36	.32
511-TS462CP	TS462CPT	TSSOP-8	D	5.0	750 nA	10.00	4.00	12	2.80	-20 to +70	1.46	.98	.67
511-TS464CD	TS464CD	SO-14	Q	5.0	750 nA	10.00	4.00	12	2.80	-20 to +70	.56	.48	.42
511-TS464CP	TS464CPT	TSSOP-14	Q	5.0	750 nA	10.00	4.00	12	2.80	-20 to +70	.56	.48	.42
511-TS951ID	TS951ID	SO-8	S	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	.72	.61	.54
511-TS951IL	TS951ILT	SOT-23-5L	S	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	1.09	.73	.48
511-TS952ID	TS952ID	SO-8	D	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	.62	.53	.47
511-TS952IP	TS952IPT	TSSOP-8	D	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	.62	.53	.47
511-TS954ID	TS954ID	SO-14	Q	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	1.46	.98	.91
511-TS954IP	TS954IPT	TSSOP-14	Q	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	.78	.66	.59
Thru Hole													
511-TS1852IN	TS1852IN	DIP-8	D	3.0	50 nA	0.48	0.18	7	0.17	-40 to +125	1.28	1.09	.95
511-TS1854IN	TS1854IN	DIP-14	Q	3.0	50 nA	0.48	0.18	7	0.17	-40 to +125	1.80	1.53	1.34
511-TS1872IN	TS1872IN	DIP-8	D	3.0	125 nA	1.60	0.54	7	0.56	-40 to +125	1.58	1.34	1.17
511-TS462CN	TS462CN	DIP-8	D	5.0	750 nA	10.00	4.00	12	2.80	-20 to +70	.42	.36	.32
511-TS464CN	TS464CN	DIP-14	Q	5.0	750 nA	10.00	4.00	12	2.80	-20 to +70	.56	.48	.42
511-TS951IN	TS951IN	DIP-8	S	6.0	100 nA	3.00	1.00	12	1.40	-40 to +125	.42	.36	.32
511-TS952IN	TS952IN	DIP-8	D	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	.62	.53	.47
511-TS954IN	TS954IN	DIP-14	Q	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	.78	.66	.59

STMICROELECTRONICS RAIL-TO-RAIL MICROPOWER OPERATIONAL AMPLIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-TS942BID	TS942BID	SO-8	D	2.0	150 pA	0.01	4.00	12	2.00	-40 to +85	1.24	1.05	.93
511-TS942BIP	TS942BIPT	TSSOP-8	D	2.0	150 pA	0.01	4.00	12	2.00	-40 to +85	1.24	1.05	.93
511-TS942AID	TS942AID	SO-8	D	5.0	150 pA	0.01	4.00	12	2.00	-40 to +85	1.77	1.24	.89
511-TS942AIDT	TS942AIDT	SO-8	D	5.0	150 pA	0.01	4.00	12	2.00	-40 to +85	1.71	1.19	.85
511-TS942AIP	TS942AIPT	TSSOP-8	D	5.0	150 pA	0.01	4.00	12	2.00	-40 to +85	1.14	.97	.86
511-TS941ID	TS941ID	SO-8	S	10.0	150 pA	0.01	4.00	12	2.00	-40 to +85	.86	.73	.65
511-TS941IL	TS941ILT	SOT-23-5L	S	10.0	150 pA	0.01	4.00	12	2.00	-40 to +85	1.61	1.08	.71
511-TS942ID	TS942ID	SO-8	D	10.0	150 pA	0.01	4.00	12	2.00	-40 to +85	1.58	1.34	1.19
511-TS942IP	TS942IPT	TSSOP-8	D	10.0	150 pA	0.01	4.00	12	2.00	-40 to +85	.94	.80	.71
511-TS931IL	TS931ILT	SOT-23-5L	S	10.0	150 pA	0.10	50.00	12	31.00	-40 to +85	.95	.57	.39
511-TS932ID	TS932ID	SO-8	D	10.0	150 pA	0.10	50.00	12	31.00	-40 to +85	.70	.60	.53
511-TS942AIDT	TS942AIDT	SO-8	D	5.0	150 pA	0.01	4.00	12	2.00	-40 to +85	1.71	1.19	.85
Thru Hole													
511-TS942BIN	TS942BIN	DIP-8	D	2.0	150 pA	10.00	4.00	12	2.00	-40 to +85	1.24	1.05	.93
511-TS942AIN	TS942AIN	DIP-8	D	5.0	150 pA	10.00	4.00	12	2.00	-40 to +85	1.58	1.34	1.19
511-TS944AIN	TS944AIN	DIP-14	Q	5.0	150 pA	10.00	4.50	12	1.85	-40 to +85	1.40	1.19	1.05
511-TS942IN	TS942IN	DIP-8	D	10.0	150 pA	10.00	4.00	12	2.00	-40 to +85	1.58	1.34	1.19

STMICROELECTRONICS RAIL-TO-RAIL VERY LOW NOISE OPERATIONAL AMPLIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-TS971ID	TS971ID	SO-8	S	5.0	750 nA	12.00	4.00	12	2.8	-40 to +125	.40	.34	.30
511-TS971IL	TS971ILT	SOT-23-5L	S	5.0	750 nA	12.00	4.00	12	2.8	-40 to +125	.40	.34	.30
511-TS974ID	TS974ID	SO-14	Q	5.0	750 nA	12.00	4.00	12	2.8	-40 to +125	.50	.43	.38
511-TS974IP	TS974IPT	TSSOP-14	Q	5.0	750 nA	12.00	4.00	12	2.8	-40 to +125	.52	.44	.39
Thru Hole													
511-TS972IN	TS972IN	DIP-8	D	5.0	750 nA	12.00	4.00	12	2.80	-40 to +125	.52	.44	.39
511-TS974IN	TS974IN	DIP-14	Q	5.0	750 nA	12.00	4.00	12	2.80	-40 to +125	.50	.43	.38

STMICROELECTRONICS VERY LOW POWER OPERATIONAL AMPLIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500
Surface Mount													
511-TS27L2BID	TS27L2BID	SO-8	D	2.0	300 nA	0.10	0.04	18	15.00	-40 to +125	1.70	1.45	1.28
511-TS27L2BIP	TS27L2BIPT	TSSOP-8	D	2.0	300 nA	0.10	0.04	18	15.00	-40 to +125	1.70	1.45	1.28
511-TS27L2ACD	TS27L2ACD	SO-8	D	5.0	150 nA	0.10	0.04	18	15.00	0 to +70	1.36	1.16	1.02
511-TS27L2ACP	TS27L2ACPT	TSSOP-8	D	5.0	150 nA	0.10	0.04	18	15.00	0 to +70	1.46	1.24	1.10
511-TS27L2AID	TS27L2AID	SO-8	D	5.0	300 nA	0.10	0.04	18	15.00	-40 to +125	1.89	1.32	.95
511-TS27L2AIP	TS27L2AIPT	TSSOP-8	D	5.0	300 nA	0.10	0.04	18	15.00	-40 to +125	1.70	1.45	1.28
511-TS27L4ACD	TS27L4ACD	SO-14	Q	5.0	150 nA	0.10	0.04	18	15.00	0 to +70	.92	.78	.69
511-TS27L4ACP	TS27L4ACPT	TSSOP-14	Q	5.0	150 nA	0.10	0.04	18	15.00	0 to +70	1.84	1.56	1.38

STMICROELECTRONICS Amplifiers

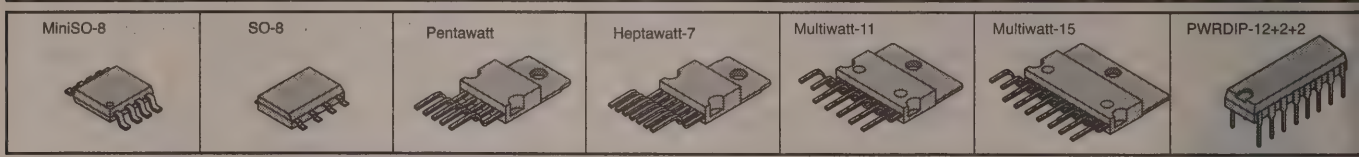
STMicroelectronics

STMICROELECTRONICS VERY LOW POWER OPERATIONAL AMPLIFIERS (CONT.)

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500	1000
Surface Mount (cont.)														
511-TS27L4AID	TS27L4AID	SO-14	Q	5.0	300 nA	0.10	0.04	18	15.00	-40 to +125	1.95	1.37	.98	
511-TS27L4AIP	TS27L4AIPT	TSSOP-14	Q	5.0	300 nA	0.10	0.04	18	15.00	-40 to +125	1.90	1.62	1.43	
511-TS27L2CD	TS27L2CD	SO-8	D	10.0	150 nA	0.10	0.04	18	15.00	0 to +70	.72	.61	.54	
511-TS27L2CP	TS27L2CPT	TSSOP-8	D	10.0	150 nA	0.10	0.04	18	15.00	0 to +70	.84	.71	.63	Call for Quote
511-TS27L2ID	TS27L2ID	SO-8	D	10.0	300 nA	0.10	0.04	18	15.00	-40 to +125	.92	.78	.60	
511-TS27L2IP	TS27L2IPT	TSSOP-8	D	10.0	300 nA	0.10	0.04	18	15.00	-40 to +125	.98	.83	.74	
511-TS27L4CD	TS27L4CD	SO-14	Q	10.0	150 nA	0.10	0.04	18	15.00	0 to +70	.90	.77	.68	
511-TS27L4CP	TS27L4CPT	TSSOP-14	Q	10.0	150 nA	0.10	0.04	18	15.00	0 to +70	1.02	.87	.77	
511-TS27L4ID	TS27L4ID	SO-14	Q	10.0	300 nA	0.10	0.04	18	15.00	-40 to +125	1.12	.86	.73	
511-TS27L4IP	TS27L4IPT	TSSOP-14	Q	10.0	300 nA	0.10	0.04	18	15.00	-40 to +125	1.24	1.05	.93	
Thru Hole														
511-TS27L2ACN	TS27L2ACN	DIP-8	D	5.0	150 nA	0.10	0.04	18	15.00	0 to +70	1.38	1.17	1.04	
511-TS27L2AIN	TS27L2AIN	DIP-8	D	5.0	300 nA	0.10	0.04	18	15.00	-40 to +125	2.45	1.63	1.35	Call for Quote
511-TS27L4ACN	TS27L4ACN	DIP-14	Q	5.0	150 nA	0.10	0.04	18	15.00	0 to +70	.92	.78	.69	
511-TS27L4AIN	TS27L4AIN	DIP-14	Q	5.0	300 nA	0.10	0.04	18	15.00	-40 to +125	1.95	1.37	.98	
511-TS27L2CN	TS27L2CN	DIP-8	D	10.0	150 nA	0.10	0.04	18	15.00	0 to +70	.90	.60	.49	
511-TS27L4CN	TS27L4CN	DIP-14	Q	10.0	150 nA	0.10	0.04	18	15.00	0 to +70	1.01	.68	.45	

STMICROELECTRONICS WIDEBAND WIDTH OPERATIONAL AMPLIFIERS

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each 1	100	500	1000
Surface Mount														
511-TSH110ILT	TSH110ILT	SOT-23-5L	S	2.0	13 uA	100.00	230.00	14	4.00	-40 to +85	1.08	.92	.81	
511-TSH150ID	TSH150ID	SO-8	S	5.0	30 uA	150.00	190.00	+/- 7	30.00	-40 to +125	5.08	3.29	2.63	
511-MC4558CD	MC4558CD	SO-8	D	5.0	400 nA	5.50	2.20	+/- 22	4.50	0 to +70	.38	.32	.29	
511-MC4558CP	MC4558CPT	TSSOP-8	D	5.0	400 nA	5.50	2.20	+/- 22	4.50	0 to +70	.38	.32	.29	
511-MC4558ID-TR	MC4558IDT	SO-8	D	5.0	400 nA	5.50	2.20	+/- 22	4.50	-40 to +125	.44	.37	.33	Call for Quote
511-LF351D	LF351D	SO-8	S	10.0	200 pA	4.00	16.00	+/- 18	3.40	0 to +70	.46	.39	.35	
511-TSH151ID	TSH151ID	SO-8	S	10.0	300 pA	150.00	200.00	+/- 7	30.00	-40 to +125	3.98	3.38	2.77	
511-TSH321ID	TSH321ID	SO-8	S	10.0	300 pA	300.00	400.00	+/- 7	30.00	-40 to +125	4.00	3.40	2.79	
511-TS613ID	TS613ID	SO-8	D	10.0	30 uA	130.00	40.00	+/- 7	11.00	-40 to +85	3.60	3.06	2.65	
511-LF347D	LF347D	SO-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.70	0 to +70	.58	.49	.44	
511-LF353D	LF353D	SO-8	D	10.0	200 pA	4.00	16.00	+/- 18	3.20	0 to +70	.48	.41	.36	
Thru Hole														
511-MC4558CN	MC4558CN	DIP-8	D	5.0	400 nA	5.50	2.20	+/- 22	4.50	0 to +70	.65	.39	.25	Call for Quote
511-LF351N	LF351N	DIP-8	S	10.0	200 pA	4.00	16.00	+/- 18	3.40	0 to +70	.44	.37	.33	
511-LF347N	LF347N	DIP-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.70	0 to +70	.56	.48	.42	
511-LF353N	LF353N	DIP-8	D	10.0	200 pA	4.00	16.00	+/- 18	3.20	0 to +70	.48	.41	.36	



STMICROELECTRONICS AUDIO AMPLIFIERS

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage Min/Max (V)	Output Power Min/Typ (W)	Output Power @ (V)	Output Power Harm. Distort.	Temp. Range (°C)	Price Each 1	100	500	1000
Surface Mount												
511-TS419IDT	TS419IDT	SO-8	Audio power amplifier w/standby mode	2.0/5.5	----/0.71	6	-----	-40 to +85	.57	.52	.51	
511-TS419IS	TS419IST	MiniSO-8	Audio power amplifier w/standby mode	2.0/5.5	----/0.71	6	-----	-40 to +85	.78	.66	.59	
511-TS421IDT	TS421IDT	SO-8	Audio power amplifier w/standby mode	2.0/5.5	----/0.71	6	-----	-40 to +85	.57	.52	.51	
511-TS421IS	TS421IST	MiniSO-8	Audio power amplifier w/standby mode	2.0/5.5	----/0.71	6	-----	-40 to +85	.78	.66	.59	Call for Quote
511-TS486-1IS	TS486-1IST	MiniSO-8	Stereo headphone power amp w/standby mode	2.5/5.5	----/0.102	5	0.30%	-40 to +85	.76	.65	.57	
511-TS4900ID	TS4900ID	SO-8	Audio power amplifier w/standby mode	2.5/5.5	----/0.7	-----	0.15 %	-40 to +85	.56	.48	.42	
511-TS4871ID	TS4871ID	SO-8	Stereo headphone power amp w/standby mode	2.5/5.5	----/1.0	-----	0.15 %	-40 to +85	.98	.83	.74	
511-TS4871IS	TS4871IST	MiniSO-8	Stereo headphone power amp w/standby mode	2.5/5.5	----/1.0	-----	0.15 %	-40 to +85	1.84	1.23	.81	
511-TS4890ID	TS4890ID	SO-8	Rail-to-rail audio power amp w/standby mode	2.5/5.5	----/1.0	-----	1.0 %	-40 to +85	1.95	1.36	.97	
511-TS4990IS	TS4990IST	MiniSO-8	Audio power amplifier w/ A/L standby mode	2.5/5.5	0.9/1.2	-----	0.20%	-40 to +85	1.04	.70	.70	
Thru Hole												
511-TDA2040V	TDA2040V	Pentawatt	Hi-Fi, high output current with low distortion	2.5/20	20/22	16	0.50%	-40 to +150	2.70	2.30	1.88	
511-TEA2025B	TEA2025B	PWRDIP-12+2+2	Stereo, high channel seperation, dual or bridge	3/12	0.7/1	6	10%	-40 to +150	1.18	1.00	.89	
511-TDA7240AH	TDA7240AH	Heptawatt-7	Bridge amplifier for car radio	---/18	18/20	-----	0.05%	-40 to +150	2.30	1.96	1.60	
511-TDA7266	TDA7266	Multiwatt-15	Dual bridge amplifier	3/18	6.3/7	-----	0.2 %	0 to +70	6.00	5.10	4.50	Call for Quote
511-TDA2003H	TDA2003H	Pentawatt	Mono high output current with low distortion	8/18	9/10	14.4	10%	-40 to +150	1.40	1.19	1.04	
511-TDA2003V	TDA2003V	Pentawatt	Mono high output current with low distortion	8/18	9/10	14.4	10%	-40 to +150	1.40	1.19	1.04	
511-TDA1910	TDA1910	Multiwatt-11	Mono low noise with muting facility	8/30	10/12	24	0.50%	-40 to +150	3.00	2.55	2.25	
511-TDA7293V	TDA7293V	Multiwatt-15V	DMOS audio amplifier with mute/standby	12/50	90/100	29	0.01%	0 to +70	5.78	4.78	3.76	

STMICROELECTRONICS WIDEBAND RF AMPLIFIER

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage Min/Max (V)	Output Power Min/Typ (dBm)	P1dB @3V (dBm)	Frequency Range	Temp. Range (°C)	Price Each 1	100	500	1000
Surface Mount												
511-TSH690ID	TSH690ID	SO-8	Wideband amplifier, driver stage	1.5 - 5.0	8/12	+13.5	40MHz to 1GHz	-40 to +85	1.12	.95	.84	Call

TEXAS INSTRUMENTS Operational Amplifiers

GENERAL PURPOSE OPERATIONAL AMPLIFIERS

♦ Surface Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Pkg.	Description	Ch	GBW (MHz)	Slew (V/us)	Vs (V) Min	Vs (V) Max	IQ / Ch (mA)	VIO (mV)	CMRR (db)	Vn (nV/rt Hz)	Price Each 1	Price Each 25	Price Each 100
595—	TLV2341IP	PDIP-8	Programmable	1	0.79	2.1	2	8	1.6	9	65	25	1.93	1.55	1.16
595—	UA741CP	PDIP-8	-	1	1	0.5	7	36	2.8	6	70	-	.50	.40	.30
♦595—	TLC251ACD	SOIC-8	Programmable	1	1.7	3.6	1.4	16	1.6	5	65	25	1.80	1.61	1.42
595—	TLC251ACP	PDIP-8	Programmable	1	1.7	3.6	1.4	16	1.6	5	65	25	1.80	1.61	1.42
595—	TLC251BCP	PDIP-8	Programmable	1	1.7	3.6	1.4	16	1.6	5	65	25	1.90	1.81	1.71
♦595—	TLC251CD	SOIC-8	Programmable	1	1.7	3.6	1.4	16	1.6	5	65	25	1.73	1.45	1.17
595—	TLC251CP	PDIP-8	Programmable	1	1.7	3.6	1.4	16	1.6	5	65	25	1.73	1.45	1.17
♦595—	TLC271ACD	SOIC-8	Programmable	1	1.7	3.6	3	16	1.6	5	65	25	.75	.63	.50
595—	TLC271ACP	PDIP-8	Programmable	1	1.7	3.6	3	16	1.6	5	65	25	.75	.63	.50
♦595—	TLC271AID	SOIC-8	Programmable	1	1.7	3.6	3	16	1.6	5	65	25	.78	.65	.52
595—	TLC271AIP	PDIP-8	Programmable	1	1.7	3.6	3	16	1.6	5	65	25	.78	.65	.52
♦595—	TLC271BCD	SOIC-8	Programmable	1	1.7	3.6	3	16	1.6	5	65	25	.78	.69	.60
595—	TLC271BCP	PDIP-8	Programmable	1	1.7	3.6	3	16	1.6	5	65	25	.78	.69	.60
♦595—	TLC271BID	SOIC-8	Programmable	1	1.7	3.6	3	16	1.6	5	65	25	.81	.73	.64
595—	TLC271BIP	PDIP-8	Programmable	1	1.7	3.6	3	16	1.6	5	65	25	.81	.73	.64
♦595—	TLC271CD	SOIC-8	Programmable	1	1.7	3.6	3	16	1.6	5	65	25	.96	.75	.54
595—	TLC271CP	PDIP-8	Programmable	1	1.7	3.6	3	16	1.6	5	65	25	.96	.75	.54
♦595—	TLC271ID	SOIC-8	Programmable	1	1.7	3.6	3	16	1.6	5	65	25	.75	.63	.50
595—	TLC271IP	PDIP-8	Programmable	1	1.7	3.6	3	16	1.6	5	65	25	.75	.63	.50
♦595—	TLV2341ID	SOIC-8	Programmable	1	1.7	3.6	2	8	1.6	8	65	25	1.93	1.55	1.16
♦595—	TL081ACD	SOIC-8	-	1	3	13	7	36	2.8	6	70	18	.80	.63	.45
595—	TL081ACP	PDIP-8	-	1	3	13	7	36	2.8	6	70	18	.80	.63	.45
595—	TL081CP	PDIP-8	-	1	3	13	7	36	2.8	6	70	18	.60	.47	.34
♦595—	TL081ID	SOIC-8	-	1	3	13	7	36	2.8	6	70	18	.80	.63	.45
♦595—	TL051CD	SOIC-8	-	1	3.1	20	10	30	3.2	1.5	75	18	1.26	1.05	.84
595—	TLC070AIP	PDIP-8	With Shutdown	1	10	16	4.5	16	2.5	.75	100	7	1.47	1.23	.98
♦595—	TLC070CD	SOIC-8	With Shutdown	1	10	16	4.5	16	2.5	.75	100	7	1.35	1.13	.90
595—	TLC070IP	PDIP-8	With Shutdown	1	10	16	4.5	16	2.5	.75	100	7	1.41	1.18	.94
595—	TLC071AIP	PDIP-8	-	1	10	16	4.5	16	2.5	.75	100	7	1.35	1.13	.90
♦595—	TLC071CD	SOIC-8	-	1	10	16	4.5	16	2.5	.75	100	7	1.23	1.03	.82
595—	TLC071IP	PDIP-8	-	1	10	16	4.5	16	2.5	.75	100	7	1.29	1.08	.86
595—	TLC080AIP	PDIP-8	With Shutdown	1	10	16	4.5	16	2.5	.75	100	8.5	1.47	1.23	.98
♦595—	TLC080CD	SOIC-8	With Shutdown	1	10	16	4.5	16	2.5	.75	100	8.5	1.35	1.13	.90
595—	TLC080IP	PDIP-8	With Shutdown	1	10	16	4.5	16	2.5	.75	100	8.5	1.41	1.18	.94
595—	TLC081AIP	PDIP-8	-	1	10	16	4.5	16	2.5	.75	100	8.5	1.35	1.13	.90
♦595—	TLC081CD	SOIC-8	-	1	10	16	4.5	16	2.5	.75	100	8.5	1.23	1.03	.82
♦595—	TLC081CDGN	MSOP-8	-	1	10	16	4.5	16	2.5	.75	100	8.5	1.35	1.13	.90
595—	TLC081IP	PDIP-8	-	1	10	16	4.5	16	2.5	.75	100	8.5	1.29	1.08	.86
♦595—	TLC25L2ACD	SOIC-8	-	2	.085	.03	1.4	16	.017	5	65	68	2.34	2.12	1.89
♦595—	TLC25L2BCD	SOIC-8	-	2	.085	.03	1.4	16	.017	5	65	68	2.45	2.37	2.29
595—	TLC25L2BCP	PDIP-8	-	2	.085	.03	1.4	16	.017	5	65	68	2.45	2.37	2.29
♦595—	TLC25L2CD	SOIC-8	-	2	.085	.03	1.4	16	.017	5	65	68	2.48	2.03	1.58
595—	TLC25L2CP	PDIP-8	-	2	.085	.03	1.4	16	.017	5	65	68	2.48	2.03	1.58
♦595—	TLC25M2ACD	SOIC-8	-	2	.525	.43	1.4	16	.28	5	60	32	2.34	2.12	1.89
595—	TLC25M2ACP	PDIP-8	-	2	.525	.43	1.4	16	.28	5	60	32	2.34	2.12	1.89
595—	TLC25M2CP	PDIP-8	-	2	.525	.43	1.4	16	.28	5	60	32	2.48	2.03	1.58
♦595—	LM2904D	SOIC-8	-	2	.7	.3	3	26	.6	7	50	40	.36	.28	.20
595—	LM2904P	PDIP-8	-	2	.7	.3	3	26	.6	7	50	40	.36	.28	.20
♦595—	LM358AD	SOIC-8	-	2	.7	.3	3	32	.6	3	65	40	.49	.38	.27
595—	LM358AP	PDIP-8	-	2	.7	.3	3	32	.6	3	65	40	.49	.38	.27
♦595—	LM358D	SOIC-8	-	2	.7	.3	3	32	.6	3	65	40	.42	.33	.24
595—	LM358P	PDIP-8	-	2	.7	.3	3	32	.6	3	65	40	.42	.33	.24
♦595—	TLV2342ID	SOIC-8	Programmable	2	.79	2.1	2	8	1.5	9	65	25	2.03	1.63	1.22
595—	TLV2342IP	PDIP-8	Programmable	2	.79	2.1	2	8	1.5	10	65	25	2.03	1.63	1.22
♦595—	MC1458D	SOIC-8	-	2	1	.5	10	30	2.8	6	70	45	.43	.35	.26
595—	MC1458P	PDIP-8	-	2	1	.5	10	30	2.8	6	70	45	.43	.35	.26
♦595—	TLC252ACD	SOIC-8	Programmable	2	1.7	3.6	1.4	16	1.6	5	65	25	2.32	2.18	2.03
♦595—	TLC252BCD	SOIC-8	Programmable	2	1.7	3.6	1.4	16	1.6	5	65	25	2.65	2.56	2.46
595—	TLC252BCP	PDIP-8	Programmable	2	1.7	3.6	1.4	16	1.6	5	65	25	2.65	2.56	2.46
♦595—	TLC252CD	SOIC-8	Programmable	2	1.7	3.6	1.4	16	1.6	5	65	25	2.48	2.09	1.69
595—	TLC252CP	PDIP-8	Programmable	2	1.7	3.6	1.4	16	1.6	5	65	25	2.48	2.09	1.69
♦595—	TLC272ACD	SOIC-8	Programmable	2	1.7	3.6	3	16	1.6	5	65	25	.96	.75	.54
595—	TLC272ACP	PDIP-8	Programmable	2	1.7	3.6	3	16	1.6	5	65	25	.96	.75	.54
♦595—	TLC272AID	SOIC-8	Programmable	2	1.7	3.6	3	16	1.6	5	65	25	.75	.65	.54
595—	TLC272AIP	PDIP-8	Programmable	2	1.7	3.6	3	16	1.6	5	65	25	.75	.65	.54
♦595—	TLC272BCD	SOIC-8	Programmable	2	1.7	3.6	3	16	1.6	5	65	25	.75	.68	.61
595—	TLC272BCP	PDIP-8	Programmable	2	1.7	3.6	3	16	1.6	5	65	25	.75	.68	.61
♦595—	TLC272BID	SOIC-8	Programmable	2	1.7	3.6	3	16	1.6	5	65	25	.78	.72	.66
595—	TLC272BIP	PDIP-8	Programmable	2	1.7	3.6	3	16	1.6	5	65	25	.78	.72	.66
♦595—	TLC272CD	SOIC-8	Programmable	2	1.7	3.6	3	16	1.6	5	65	25	.92	.72	.52
595—	TLC272CP	PDIP-8	Programmable	2	1.7	3.6	3	16	1.6	5	65	25	.92	.72	.52
♦595—	TLC272CPW	TSSOP-8	Programmable	2	1.7	3.6	3	16	1.6	5	65	25	.92	.72	.52
♦595—	TLC272ID	SOIC-8	Programmable	2	1.7	3.6	3	16	1.6	5	65	25	.96	.75	.54
595—	TLC272IP	PDIP-8	Programmable	2	1.7	3.6	3	16	1.6	5	65	25	.96	.75	.54
♦595—	RC4558D	SOIC-8	-	2	3	1.7	10	30	2.8	6	70	8	.64	.50	.36
595—	RC4558P	PDIP-8	-	2	3	1.7	10	30	2.8	6	70	8	.64	.50	.36
♦595—	LF353D	SOIC-8	-	2	3	13	7	36	3.25	10	70	18	.52	.41	.30
595—	LF353P	PDIP-8	-	2	3	13	7	36	3.25	10	70	18	.52	.41	.30
♦595—	LF412CD	SOIC-8	-	2	3	13	7	36	3.4	3	70	18	.84	.70	.56
595—	LF412CP	PDIP-8	-	2	3	13	7	36	3.4	3	70	18	1.27	1.23	1.18
♦595—	TL082ACD	SOIC-8	-	2	3	13	7	36	2.8	6	70	18	.76	.60	.43

TEXAS INSTRUMENTS Operational Amplifiers

GENERAL PURPOSE OPERATIONAL AMPLIFIERS (CONT.)

♦ Surface Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Pkg.	Description	Ch	GBW (MHz)	Slew (V/us)	Vs (V) Min	Vs (V) Max	IQ / Ch (mA)	VIO (mV)	CMRR (db)	Vn (nV/rt Hz)	Price Each 1	Price Each 25	Price Each 100
595—	TL082ACP	PDIP-8	-	2	3	13	7	36	2.8	6	70	18	.76	.60	.43
♦595—	TL082BCD	SOIC-8	-	2	3	13	7	36	2.8	6	70	18	.87	.80	.72
595—	TL082BCP	PDIP-8	-	2	3	13	7	36	2.8	6	70	18	.87	.80	.72
♦595—	TL082CD	SOIC-8	-	2	3	13	7	36	2.8	6	70	18	.55	.44	.33
595—	TL082CP	PDIP-8	-	2	3	13	7	36	2.8	6	70	18	.55	.44	.33
♦595—	TL082ID	SOIC-8	-	2	3	13	7	36	2.8	6	70	18	.68	.54	.39
595—	TL082IP	PDIP-8	-	2	3	13	7	36	2.8	6	70	18	.68	.54	.39
595—	TLV2302IP	PDIP-8	With Comparator	2	-	-	2.5	16	.0017	5	-	-	1.98	1.98	1.97
♦595—	TLC25L4ACD	SOIC-14	-	4	.085	.03	1.4	16	.017	5	65	70	3.26	2.95	2.64
595—	TLC25L4ACN	PDIP-14	-	4	.085	.03	1.4	16	.017	5	65	70	3.26	2.95	2.64
♦595—	TLC25L4BCD	SOIC-14	-	4	.085	.03	1.4	16	.017	5	65	70	3.42	3.31	3.19
595—	TLC25L4BCN	PDIP-14	-	4	.085	.03	1.4	16	.017	5	65	70	3.42	3.31	3.19
♦595—	TLC25L4CD	SOIC-14	-	4	.085	.03	1.4	16	.017	5	65	70	3.11	2.66	2.21
595—	TLC25L4CN	PDIP-14	-	4	.085	.03	1.4	16	.017	5	65	70	3.11	2.66	2.21
♦595—	TLC25M4ACD	SOIC-14	-	4	.525	.43	1.4	16	.28	5	60	32	3.26	2.95	2.64
595—	TLC25M4BCN	PDIP-14	-	4	.525	.43	1.4	16	.28	5	60	32	3.42	3.31	3.19
♦595—	TLC25M4CD	SOIC-14	-	4	.525	.43	1.4	16	.28	5	60	32	3.11	2.66	2.21
595—	TLC25M4CN	PDIP-14	-	4	.525	.43	1.4	16	.28	5	60	32	3.11	2.66	2.21
♦595—	TLV2344ID	SOIC-14	Programmable	4	.79	2.1	2	8	1.5	10	65	25	2.54	2.10	1.65
595—	TLV2344IN	PDIP-14	Programmable	4	.79	2.1	2	8	1.5	10	65	25	2.54	2.10	1.65
♦595—	LM348D	SOIC-8	-	4	1	.5	8	36	1.125	6	70	6	.48	.38	.27
♦595—	LM224AD	SOIC-14	-	4	1.2	.5	3	32	.3	3	70	35	.60	.47	.34
595—	LM224N	PDIP-14	-	4	1.2	.5	3	32	.3	3	70	35	.50	.40	.30
♦595—	LM324AD	SOIC-14	-	4	1.2	.5	3	32	.3	3	65	35	.49	.38	.27
595—	LM324AN	PDIP-14	-	4	1.2	.5	3	32	.3	3	65	35	.49	.38	.27
♦595—	LM324D	SOIC-14	-	4	1.2	.5	3	32	.3	3	65	35	.42	.33	.24
595—	LM324N	PDIP-14	-	4	1.2	.5	3	32	.3	3	65	35	.42	.33	.24
♦595—	TLC254ACD	SOIC-14	Programmable	4	1.7	3.6	1.4	16	1.8	5	65	25	3.26	2.61	2.03
595—	TLC254ACN	PDIP-14	Programmable	4	1.7	3.6	1.4	16	1.8	5	65	25	3.26	3.06	2.85
♦595—	TLC254BCD	SOIC-14	Programmable	4	1.7	3.6	1.4	16	1.8	5	65	25	3.42	3.42	3.42
595—	TLC254BCN	PDIP-14	Programmable	4	1.7	3.6	1.4	16	1.8	5	65	25	3.42	3.42	3.42
♦595—	TLC254CD	SOIC-14	Programmable	4	1.7	3.6	1.4	16	1.8	5	65	25	3.11	2.74	2.36
595—	TLC254CN	PDIP-14	Programmable	4	1.7	3.6	1.4	16	1.8	5	65	25	3.11	2.74	2.36
♦595—	TLC254ID	SOIC-14	Programmable	4	1.7	3.6	1.4	16	1.8	5	65	25	3.26	2.93	2.60
♦595—	TLC274ACD	SOIC-14	Programmable	4	1.7	3.6	3	16	1.6	5	65	25	.90	.75	.60
595—	TLC274ACN	PDIP-14	Programmable	4	1.7	3.6	3	16	1.6	5	65	25	.90	.75	.60
♦595—	TLC274AID	SOIC-14	Programmable	4	1.7	3.6	3	16	1.6	5	65	25	.93	.79	.65
595—	TLC274AIN	PDIP-14	Programmable	4	1.7	3.6	3	16	1.6	5	65	25	.93	.79	.65
♦595—	TLC274BCD	SOIC-14	Programmable	4	1.7	3.6	3	16	1.6	5	65	25	.93	.83	.72
595—	TLC274BCN	PDIP-14	Programmable	4	1.7	3.6	3	16	1.6	5	65	25	.93	.83	.72
♦595—	TLC274BID	SOIC-14	Programmable	4	1.7	3.6	3	16	1.6	5	65	25	.96	.87	.77
595—	TLC274BIN	PDIP-14	Programmable	4	1.7	3.6	3	16	1.6	5	65	25	.96	.87	.77
♦595—	TLC274CD	SOIC-14	Programmable	4	1.7	3.6	3	16	1.6	5	65	25	.84	.70	.56
595—	TLC274CN	PDIP-14	Programmable	4	1.7	3.6	3	16	1.6	5	65	25	.84	.70	.56
♦595—	TLC274ID	SOIC-14	Programmable	4	1.7	3.6	3	16	1.6	5	65	25	.90	.75	.60
595—	TLC274IN	PDIP-14	Programmable	4	1.7	3.6	3	16	1.6	5	65	25	.90	.75	.60
♦595—	TLC274MD	SOIC-14	Programmable	4	1.7	3.6	3	16	1.6	5	65	25	2.18	1.82	1.46
595—	LM2900N	PDIP-14	-	4	2.5	20	4.5	32	2.5	-	-	-	.36	.28	.20
♦595—	LM3900D	SOIC-14	-	4	2.5	20	4.5	32	2.5	-	-	-	.90	.75	.60
595—	LM3900N	PDIP-14	-	4	2.5	20	4.5	32	2.5	-	-	-	.90	.75	.60
595—	RC4136N	PDIP-14	-	4	3	1.7	10	30	2.825	6	70	8	1.20	1.03	.86
♦595—	LF347BD	SOIC-14	-	4	3	13	7	36	2.75	5	80	18	1.75	1.57	1.39
♦595—	LF347D	SOIC-14	-	4	3	13	7	36	2.75	10	70	18	.80	.75	.70
595—	LF347N	PDIP-14	-	4	3	13	7	36	2.75	10	70	18	.80	.75	.70
♦595—	TL084ACD	SOIC-14	-	4	3	13	7	36	2.8	6	70	18	.88	.69	.50
595—	TL084ACN	PDIP-14	-	4	3	13	7	36	2.8	6	70	18	.88	.69	.50
♦595—	TL084CD	SOIC-14	-	4	3	13	7	36	2.8	6	70	18	.64	.50	.36
595—	TL084CN	PDIP-14	-	4	3	13	7	36	2.8	6	70	18	.64	.50	.36
♦595—	TL084ID	SOIC-14	-	4	3	13	7	36	2.8	6	70	18	.80	.63	.46
595—	TL084IN	PDIP-14	-	4	3	13	7	36	2.8	6	70	18	.80	.63	.46
♦595—	TL084QD	SOIC-14	-	4	3	13	7	36	2.8	6	70	18	1.26	1.05	.84

♦ Surface Mount

HIGH SPEED OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

♦595—TLE2021ACD	SOIC-8	-	1	1.2	0.5	4	40	0.3	0.3	85	17	1.38	1.21	1.04
595—TLE2021ACP	PDIP-8	-	1	1.2	0.5	4	40	0.3	0.3	85	17	1.38	1.21	1.04
♦595—TLE2021AID	SOIC-8	-	1	1.2	0.5	4	40	0.3	0.3	85	17	1.25	1.18	1.11
595—TLE2021AIP	PDIP-8	-	1	1.2	0.5	4	40	0.3	0.3	85	17	1.25	1.18	1.11
♦595—TLE2021CD	SOIC-8	-	1	1.2	0.5	4	40	0.3	0.3	85	17	1.20	1.00	.80
595—TLE2021CP	PDIP-8	-	1	1.2	0.5	4	40	0.3	0.3	85	17	1.20	1.00	.80
♦595—TLE2021ID	SOIC-8	-	1	1.2	0.5	4	40	0.3	0.3	85	17	1.32	1.10	.88
595—TLE2021IP	PDIP-8	-	1	1.2	0.5	4	40	0.3	0.3	85	17	1.32	1.10	.88
♦595—TLE2021MD	SOIC-8	-	1	1.2	0.5	4	40	0.3	0.3	85	17	1.44	1.24	1.04
♦595—TLE2081ACD	SOIC-8	-	1	10	45	4.5	38	2.2	3	82	14	1.43	1.36	1.28
595—TLE2081ACP	PDIP-8	-	1	10	45	4.5	38	2.2	3	82	14	1.43	1.36	1.28
♦595—TLE2081CD	SOIC-8	-	1	10	45	4.5	38	2.2	3	82	14	1.47	1.23	.98
595—TLE2081CP	PDIP-8	-	1	10	45	4.5	38	2.2	3	82	14	1.47	1.23	.98
♦595—TLE2081ID	SOIC-8	-	1	10	45	4.5	38	2.2	3	82	14	1.35	1.18	1.01
♦595—TLE2027AMD	SOIC-8	Low Noise	1	13	2.8	8	38	5.3	0.025	11	2.5	4.97	4.89	4.80
♦595—TLE2027CD	SOIC-8	Low Noise	1	13	2.8	8	38	5.3	0.025	11	2.5	1.95	1.66	1.37
♦595—LM318D	SOIC-8	Rail to Rail	1	15	70	10	40	10	10	70	-	1.20	1.00	.80

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♦ Surface Mount

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MOUSER STOCK NO. Mfr.	Mfr. Part No.	Pkg.	Description	Ch	GBW (MHz)	Slew (V/us)	Vs (V) Min	Vs (V) Max	IQ / Ch (mA)	VIO (mV)	CMRR (db)	Vn (nV/rt Hz)	Price Each 1	25	100
595—	LM318P	PDIP-8	Rail to Rail	1	15	70	10	40	10	10	70	-	.90	.75	.60
595—	TLE2022ACP	PDIP-8	Low Power	2	1.7	.5	4	40	.3	.4	87	17	1.85	1.59	1.33
♦595—	TLE2022AID	SOIC-8	Low Power	2	1.7	.5	4	40	.3	.4	87	17	2.00	1.71	1.42
595—	TLE2022AIP	PDIP-8	Low Power	2	1.7	.5	4	40	.3	.4	87	17	2.00	1.71	1.42
595—	TLE2022CP	PDIP-8	Low Power	2	1.7	.5	4	40	.3	.4	87	17	1.28	1.09	.89
♦595—	TLE2022ID	SOIC-8	Low Power	2	1.7	.5	4	40	.3	.4	87	17	1.40	1.20	.99
595—	TLE2022IP	PDIP-8	Low Power	2	1.7	.5	4	40	.3	.4	87	17	1.40	1.20	.99
♦595—	TLE2022MD	SOIC-8	Low Power	2	1.7	.5	4	40	.3	.4	87	17	1.50	1.30	1.10
♦595—	TL3472CD	SOIC-8	-	2	4	13	4	36	4.5	10	65	49	.75	.63	.50
595—	TL3472CP	PDIP-8	-	2	4	13	4	36	4.5	10	65	49	.75	.63	.50
♦595—	TLV2773CD	SOIC-14	Rail to Rail	2	4.8	9	2.5	5.5	2	2.5	70	21	2.25	1.88	1.50
♦595—	TLV2782CD	SOIC-8	Rail to Rail	2	8	4.3	1.8	3.6	.82	3	50	18	2.03	1.70	1.36
♦595—	TLV2783ID	SOIC-14	Rail to Rail	2	8	4.3	1.8	3.6	.82	3	50	18	2.33	2.07	1.80
♦595—	TLE2072AID	SOIC-8	Low Noise	2	10	45	4.5	38	1.8	3.5	80	14	2.34	2.31	2.27
♦595—	TLE2072CD	SOIC-8	Low Noise	2	10	45	4.5	38	1.8	3.5	80	14	1.93	1.63	1.33
595—	TLE2072CP	PDIP-8	Low Noise	2	10	45	4.5	38	1.8	3.5	80	14	1.93	1.63	1.33
♦595—	TLE2072ID	SOIC-8	Low Noise	2	10	45	4.5	38	1.8	3.5	80	14	2.13	1.80	1.47
♦595—	TLE2082ACD	SOIC-8	-	2	10	45	4.5	38	1.8	4	84	14	1.83	1.75	1.67
595—	TLE2082ACP	PDIP-8	-	2	10	45	4.5	38	1.8	4	84	14	1.60	1.36	1.11
♦595—	TLE2082AID	SOIC-8	-	2	10	45	4.5	38	1.8	4	84	14	2.00	1.89	1.77
595—	TLE2082AIP	PDIP-8	-	2	10	45	4.5	38	1.8	4	84	14	2.00	1.89	1.77
♦595—	TLE2082CD	SOIC-8	-	2	10	45	4.5	38	1.8	4	84	14	1.60	1.36	1.11
595—	TLE2082CP	PDIP-8	-	2	10	45	4.5	38	1.8	4	84	14	1.60	1.36	1.11
♦595—	TLE2082ID	SOIC-8	-	2	10	45	4.5	38	1.8	4	84	14	1.75	1.48	1.21
595—	TLE2082IP	PDIP-8	-	2	10	45	4.5	38	1.8	4	84	14	1.75	1.48	1.21
♦595—	TLE2024ACDW	SOIC-16	Low Power	4	1.7	.5	4	40	.35	.85	82	17	3.76	3.62	3.49
595—	TLE2024ACN	PDIP-14	Low Power	4	1.7	.5	4	40	.35	.85	82	17	3.76	3.62	3.49
♦595—	TLE2024AIDW	SOIC-16	Low Power	4	1.7	.5	4	40	.35	.85	82	17	3.76	3.74	3.72
595—	TLE2024AIN	PDIP-14	Low Power	4	1.7	.5	4	40	.35	.85	82	17	3.76	3.74	3.72
♦595—	TLE2024BMDW	SOIC-16	Low Power	4	1.7	.5	4	40	.35	.85	82	17	7.66	7.39	7.12
♦595—	TLE2024CDW	SOIC-16	Low Power	4	1.7	.5	4	40	.35	.85	82	17	3.02	2.67	2.32
595—	TLE2024CN	PDIP-14	Low Power	4	1.7	.5	4	40	.35	.85	82	17	3.02	2.67	2.32
♦595—	TLE2024IDW	SOIC-16	Low Power	4	1.7	.5	4	40	.35	.85	82	17	3.31	2.94	2.57
595—	TLE2024IN	PDIP-14	Low Power	4	1.7	.5	4	40	.35	.85	82	17	3.31	2.94	2.57
♦595—	TLE2024MDW	SOIC-16	Low Power	4	1.7	.5	4	40	.35	.85	82	17	3.35	3.29	3.23
♦595—	TLV2464ID	SOIC-14	Rail to Rail	4	5.2	1.6	2.7	6	.575	2	66	11	2.48	2.15	1.81
♦595—	TLE2074ACDW	SOIC-16	Low Noise	4	10	45	4.5	38	1.875	3	80	14	4.89	4.72	4.54
595—	TLE2074ACN	PDIP-14	Low Noise	4	10	45	4.5	38	1.875	3	80	14	4.89	4.72	4.54
♦595—	TLE2074AIDW	SOIC-16	Low Noise	4	10	45	4.5	38	1.875	3	80	14	4.93	4.89	4.85
595—	TLE2074CN	PDIP-14	Low Noise	4	10	45	4.5	38	1.875	3	80	14	3.94	3.49	3.03
♦595—	TLE2074IDW	SOIC-16	Low Noise	4	10	45	4.5	38	1.875	3	80	14	4.32	3.83	3.33
595—	TLE2074IN	PDIP-14	Low Noise	4	10	45	4.5	38	1.875	3	80	14x	4.32	3.83	3.33
♦595—	TLE2084ACDW	SOIC-16	-	4	10	45	4.5	38	1.875	4	86	14	3.56	3.43	3.31
595—	TLE2084ACN	PDIP-14	-	4	10	45	4.5	38	1.875	4	86	14	3.56	3.43	3.31
♦595—	TLE2084CDW	SOIC-16	-	4	10	45	4.5	38	1.875	4	86	14	2.86	2.54	2.21
595—	TLE2084CN	PDIP-14	-	4	10	45	4.5	38	1.875	4	86	14	2.86	2.54	2.21
♦595—	TLE2084IDW	SOIC-16	-	4	10	45	4.5	38	1.875	4	86	14	3.15	2.79	2.42

♦ Surface Mount

PERFORMANCE OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Pkg.	Description	Ch	GBW (MHz)	Slew (V/us)	Vs (V) Min	Vs (V) Max	IQ / Ch (mA)	VIO (mV)	CMRR (db)	Vn (nV/rt Hz)	Price Each 1	25	100
595—	TLV2241IP	PDIP-8	Low Power	1	.0055	.002	2.5	12	.0012	3	55	800	1.40	1.24	1.08
595—	TLV2401IP	PDIP-8	Low Power	1	.0055	.0025	2.5	16	.00095	1.2	63	800	1.90	1.69	1.47
595—	OPA658P	PDIP-8	Low Power Current Feedback	1	.02	1700	-5	5	-	4.5	-	2.7	4.01	3.82	3.63
♦595—	OPA658U	SOIC-8	Low Power Current Feedback	1	.02	1700	-5	5	-	4.5	-	2.7	3.06	2.93	2.79
♦595—	OPA658UB	SOIC-8	Low Power Current Feedback	1	.02	1700	-5	5	-	4.5	-	2.7	4.84	4.60	4.36
595—	TLC27L1ACP	PDIP-8	Low Power	1	.085	.03	3	16	.017	5	65	68	.75	.63	.50
♦595—	TLC27L1ID	SOIC-8	Low Power	1	.085	.03	3	16	.017	5	65	68	.75	.63	.50
♦595—	TLV2450AID	SOIC-8	Rail to Rail Low Power	1	.22	.12	2.7	6	.035	1	61	51	1.50	1.31	1.11
595—	TLV2450AIP	PDIP-8	Rail to Rail Low Power	1	.22	.12	2.7	6	.035	1	61	51	1.50	1.31	1.11
♦595—	TLV2450CD	SOIC-8	Rail to Rail Low Power	1	.22	.12	2.7	6	.035	1.5	60	51	1.38	1.20	1.02
595—	TLV2450CP	PDIP-8	Rail to Rail Low Power	1	.22	.12	2.7	6	.035	1.5	60	51	1.38	1.20	1.02
♦595—	TLV2450ID	SOIC-8	Rail to Rail Low Power	1	.22	.12	2.7	6	.035	1.5	60	51	1.45	1.27	1.08
595—	TLV2450IP	PDIP-8	Rail to Rail Low Power	1	.22	.12	2.7	6	.035	1.5	60	51	1.45	1.27	1.08
♦595—	TLV2451AID	SOIC-8	Rail to Rail Low Power	1	.22	.12	2.7	6	.035	1	63	51	1.38	1.20	1.02
595—	TLV2451AIP	PDIP-8	Rail to Rail Low Power	1	.22	.12	2.7	6	.035	1	63	51	1.38	1.20	1.02
♦595—	TLV2451CD	SOIC-8	Rail to Rail Low Power	1	.22	.12	2.7	6	.035	1.5	62	51	1.25	1.09	.93
595—	TLV2451CP	PDIP-8	Rail to Rail Low Power	1	.22	.12	2.7	6	.035	1.5	62	51	1.25	1.09	.93
♦595—	TLV2451ID	SOIC-8	Rail to Rail Low Power	1	.22	.12	2.7	6	.035	1.5	62	51	1.25	1.09	.93
595—	TLV2451IP	PDIP-8	Rail to Rail Low Power	1	.22	.12	2.7	6	.035	1.5	62	51	1.33	1.16	.99
♦595—	TLV2760ID	SOT-23-5	Rail to Rail Low Power	1	.5	.2	1.8	3.6	.028	3.5	50	95	1.50	1.35	1.19
595—	TLV2760IP	PDIP-8	Rail to Rail Low Power	1	.5	.2	1.8	3.6	.028	3.5	50	95	1.50	1.35	1.19
♦595—	TLV2761ID	SOT-23-5	Rail to Rail Low Power	1	.5	.2	1.8	3.6	.028	3.5	50	95	1.38	1.23	1.08
♦595—	OP07DD	SOIC-8	Low Power	1	.6	.3	6	36	5	.15	100	9.8	.78	.65	.52
595—	OP07DP	PDIP-8	Low Power	1	.6	.3	6	36	5	.15	100	9.8	.78	.65	.52
♦595—	TL061ACD	SOIC-8	Low Power	1	1	3.5	7	36	.25	6	4	42	.75	.63	.50

TEXAS INSTRUMENTS Operational Amplifiers

PERFORMANCE OPERATIONAL AMPLIFIERS (CONT.)

♦ Surface Mount

For quantities of 250 and up, call for quote

MOUSER STOCK NO.		Pkg.	Description	Ch	GBW (MHz)	Slew (V/us)	Vs (V)		IQ / Ch (mA)	VIO (mV)	CMRR (db)	Vn (nV/rt Hz)	Price Each		
Mfr.	Mfr. Part No.						Min	Max					1	25	100
595—	TL061ACP	PDIP-8	Low Power	1	1	3.5	7	36	.25	6	4	42	.75	.63	.50
♦595—	TL061ID	SOIC-8	Low Power	1	1	3.5	7	36	.25	6	4	42	.96	.75	.54
595—	TL061IP	PDIP-8	Low Power	1	1	3.5	7	36	.25	6	4	42	.96	.75	.54
♦595—	TLC2654AC-8D	SOIC-8	Low Noise	1	1.9	3.7	4.6	16	2.4	.01	110	20	2.84	2.67	2.50
595—	TLC2654ACP	PDIP-8	Low Noise	1	1.9	3.7	4.6	16	2.4	.01	110	20	2.84	2.67	2.50
♦595—	TLC2654AI-8D	SOIC-8	Low Noise	1	1.9	3.7	4.6	16	2.4	.01	110	20	2.97	2.84	2.71
595—	TLC2654AIP	PDIP-8	Low Noise	1	1.9	3.7	4.6	16	2.4	.01	110	20	2.97	2.84	2.71
♦595—	TLC2654AQ-8D	SOIC-8	Low Noise	1	1.9	3.7	4.6	16	2.4	.01	110	20	3.26	3.21	3.15
♦595—	TLC2654C-8D	SOIC-8	Low Noise	1	1.9	3.7	4.6	16	2.4	.01	110	20	2.70	2.39	2.08
595—	TLC2654CN	PDIP-14	Low Noise	1	1.9	3.7	4.6	16	2.4	.01	110	20	2.70	2.39	2.08
595—	TLC2654CP	PDIP-8	Low Noise	1	1.9	3.7	4.6	16	2.4	.01	110	20	2.70	2.39	2.08
♦595—	TLC2654I-8D	SOIC-8	Low Noise	1	1.9	3.7	4.6	16	2.4	.01	110	20	2.84	2.57	2.29
595—	TLC2654IP	PDIP-8	Low Noise	1	1.9	3.7	4.6	16	2.4	.01	110	20	2.84	2.57	2.29
♦595—	TLC2654Q-8D	SOIC-8	Low Noise	1	1.9	3.7	4.6	16	2.4	.01	110	20	3.11	3.05	2.99
595—	TLV2470AIP	PDIP-8	Rail to Rail	1	2.8	1.4	2.7	6	.75	1.6	61	15	1.50	1.26	1.02
♦595—	TLV2470CD	SOIC-8	Rail to Rail	1	2.8	1.4	2.7	6	.75	1.6	61	15	1.38	1.16	.94
595—	TLV2470CP	PDIP-8	Rail to Rail	1	2.8	1.4	2.7	6	.75	1.6	61	15	1.38	1.16	.94
595—	TLV2470IP	PDIP-8	Rail to Rail	1	2.8	1.4	2.7	6	.75	1.6	61	15	1.45	1.22	.99
595—	TLV2471AIP	PDIP-8	Rail to Rail	1	2.8	1.4	2.7	6	.75	1.6	61	15	1.38	1.16	.94
♦595—	TLV2471CD	SOIC-8	Rail to Rail	1	2.8	1.4	2.7	6	.75	1.6	61	15	1.25	1.05	.85
595—	TLV2471CP	PDIP-8	Rail to Rail	1	2.8	1.4	2.7	6	.75	1.6	61	15	1.25	1.05	.85
595—	TLV2471IP	PDIP-8	Rail to Rail	1	2.8	1.4	2.7	6	.75	1.6	61	15	1.33	1.12	.90
595—	TL071ACP	PDIP-8	Low Noise	1	3	13	7	36	2.5	6	75	18	.80	.63	.45
♦595—	TL071CD	SOIC-8	Low Noise	1	3	13	7	36	2.5	6	75	18	.56	.42	.32
595—	TL071CP	PDIP-8	Low Noise	1	3	13	7	36	2.5	6	75	18	.56	.44	.32
♦595—	TL071ID	SOIC-8	Low Noise	1	3	13	7	36	2.5	6	75	18	.92	.72	.52
595—	TL071IP	PDIP-8	Low Noise	1	3	13	7	36	2.5	6	75	18	.92	.72	.52
595—	TLV2770AIP	PDIP-8	Rail to Rail	1	4.8	9	2.5	5.5	2	1.6	70	21	1.70	1.49	1.27
♦595—	TLV2770CD	SOIC-8	Rail to Rail	1	4.8	9	2.5	5.5	2	1.6	70	21	1.58	1.38	1.17
595—	TLV2770CP	PDIP-8	Rail to Rail	1	4.8	9	2.5	5.5	2	1.6	70	21	1.58	1.38	1.17
♦595—	TLV2770ID	SOIC-8	Rail to Rail	1	4.8	9	2.5	5.5	2	1.6	70	21	1.65	1.43	1.21
595—	TLV2770IP	PDIP-8	Rail to Rail	1	4.8	9	2.5	5.5	2	1.6	70	21	1.65	1.43	1.21
♦595—	TLV2771CD	SOIC-8	Rail to Rail	1	4.8	9	2.5	5.5	2	1.6	70	21	1.43	1.25	1.06
♦595—	TLV2771ID	SOIC-8	Rail to Rail	1	4.8	9	2.5	5.5	2	1.6	70	21	1.50	1.31	1.11
595—	TLV2460AIP	PDIP-8	Rail to Rail	1	5.2	1.6	2.7	6	.575	1.5	66	11	1.50	1.26	1.02
♦595—	TLV2460CD	SOIC-8	Rail to Rail	1	5.2	1.6	2.7	6	.575	1.5	66	11	1.38	1.16	.94
595—	TLV2460CP	PDIP-8	Rail to Rail	1	5.2	1.6	2.7	6	.575	1.5	66	11	1.38	1.16	.94
595—	TLV2460IP	PDIP-8	Rail to Rail	1	5.2	1.6	2.7	6	.575	1.5	66	11	1.45	1.22	.99
595—	TLV2461AIP	PDIP-8	Rail to Rail	1	5.2	1.6	2.7	6	.575	1.5	66	11	1.38	1.16	.94
♦595—	TLV2461CD	SOIC-8	Rail to Rail	1	5.2	1.6	2.7	6	.575	1.5	66	11	1.25	1.05	.85
595—	TLV2461CP	PDIP-8	Rail to Rail	1	5.2	1.6	2.7	6	.575	1.5	66	11	1.25	1.05	.85
595—	TLV2461IP	PDIP-8	Rail to Rail	1	5.2	1.6	2.7	6	.575	1.5	66	11	1.33	1.12	.90
♦595—	TLE2141ACD	SOIC-8	Low Noise	1	5.9	45	4	44	4.5	.5	85	1.5	1.38	1.32	1.25
595—	TLE2141ACP	PDIP-8	Low Noise	1	5.9	45	4	44	4.5	.5	85	1.5	1.38	1.32	1.25
♦595—	TLE2141AID	SOIC-8	Low Noise	1	5.9	45	4	44	4.5	.5	85	1.5	1.48	1.41	1.33
♦595—	TLE2141CD	SOIC-8	Low Noise	1	5.9	45	4	44	4.5	.5	85	1.5	1.44	1.20	.96
595—	TLE2141CP	PDIP-8	Low Noise	1	5.9	45	4	44	4.5	.5	85	1.5	1.44	1.20	.96
♦595—	TLE2141ID	SOIC-8	Low Noise	1	5.9	45	4	44	4.5	.5	85	1.5	1.30	1.11	.91
595—	TLE2141IP	PDIP-8	Low Noise	1	5.9	45	4	44	4.5	.5	85	1.5	1.30	1.11	.91
♦595—	TLE2161ACD	SOIC-8	Low Power	1	6.4	10	7	36	.35	1.5	72	40	1.43	1.37	1.30
♦595—	TLE2161AID	SOIC-8	Low Power	1	6.4	10	7	36	.35	1.5	72	40	1.55	1.47	1.38
♦595—	TLE2161CD	SOIC-8	Low Power	1	6.4	10	7	36	.35	1.5	72	40	1.47	1.23	.98
♦595—	TLE2161ID	SOIC-8	Low Power	1	6.4	10	7	36	.35	1.5	72	40	1.35	1.15	.95
♦595—	TLV2361CDBV	SOT-23-5	-	1	7	3	2	5	2.5	6	85	8	.87	.75	.63
♦595—	TLV2361IDBV	SOT-23-5	-	1	7	3	2	5	2.5	6	85	8	.95	.89	.71
595—	NE5534AP	PDIP-8	Low Noise	1	10	13	10	30	8	4	70	3.5	1.20	1.00	.80
595—	NE5534P	PDIP-8	Low Noise	1	10	13	10	30	8	4	70	4	.96	.80	.64
♦595—	THS3001CD	SOIC-8	Current Feedback	1	420@Acl	6500	-15	15	-	3	-	1.6	6.99	6.40	5.80
♦595—	THS3001ID	SOIC-8	Current Feedback	1	420@Acl	6500	-15	15	-	3	-	1.6	5.98	5.74	5.49
595—	TLV2402IP	PDIP-8	Low Power	2	.0055	.0025	2.5	16	.00095	1.2	63	800	2.38	2.11	1.84
♦595—	TLV2322ID	SOIC-8	Low Power	2	.027	.02	2	8	.017	9	65	68	1.73	1.48	1.22
595—	TLV2322IP	PDIP-8	Low Power	2	.027	.02	2	8	.017	9	65	68	1.73	1.48	1.22
♦595—	TLV2422AID	SOIC-8	Rail to Rail	2	.052	.02	2.7	10	.075	.95	70	18	1.75	1.48	1.21
♦595—	TLV2422CD	SOIC-8	Rail to Rail	2	.052	.02	2.7	10	.075	.95	70	18	1.60	1.36	1.11
♦595—	TLV2422ID	SOIC-8	Rail to Rail	2	.052	.02	2.7	10	.075	.95	70	18	1.68	1.42	1.16
♦595—	TLV2422QD	SOIC-8	Rail to Rail	2	.052	.02	2.7	10	.075	.95	70	18	1.38	1.29	1.19
♦595—	TLV2252AID	SOIC-8	Low Power	2	.187	.1	2.7	16	.0625	.85	65	19	1.53	1.36	1.19
595—	TLV2252AIP	PDIP-8	Low Power	2	.187	.1	2.7	16	.0625	.85	65	19	1.53	1.36	1.19
♦595—	TLV2252AIPW	TSSOP-8	Low Power	2	.187	.1	2.7	16	.0625	.85	65	19	1.53	1.38	1.23
♦595—	TLV2252AQD	SOIC-8	Low Power	2	.187	.1	2.7	16	.0625	.85	65	19	1.65	1.38	1.11
♦595—	TLV2252ID	SOIC-8	Low Power	2	.187	.1	2.7	16	.0625	.85	65	19	1.45	1.30	1.14
595—	TLV2252IP	PDIP-8	Low Power	2	.187	.1	2.7	16	.0625	.85	65	19	1.45	1.30	1.14
♦595—	TLV2252QD	SOIC-8	Low Power	2	.187	.1	2.7	16	.0625	.85	65	19	1.58	1.32	1.06
♦595—	TLC2252AID	SOIC-8	Rail to Rail	2	.2	.12	4.4	16	.0625	.85	70	19	1.35	1.24	1.12
595—	TLC2252AIP	PDIP-8	Rail to Rail	2	.2	.12	4.4	16	.0625	.85	70	19	1.35	1.24	1.12
♦595—	TLC2252AQD	SOIC-8	Rail to Rail	2	.2	.12	4.4	16	.0625	.85	70	19	1.43	1.34	1.24
♦595—	TLC2252CD	SOIC-8	Rail to Rail	2	.2	.12	4.4	16	.0625	.85	70	19	1.47	1.23	.98
595—	TLC2252CP	PDIP-8	Rail to Rail	2	.2	.12	4.4	16	.0625	.85	70	19	1.47	1.23	.98
♦595—	TLC2252ID	SOIC-8	Rail to Rail	2	.2	.12	4.4	16	.0625	.85	70	19	1.30	1.12	.93
595—	TLC2252IP	PDIP-8	Rail to Rail	2	.2	.12	4.4	16	.0625	.85	70	19	1.30	1.12	.93
♦595—	TLC2252QD	SOIC-8	Rail to Rail	2	.2	.12	4.4	16	.0625	.85	70	19	1.38	1.29	1.19
595—	TLV2452AIP	PDIP-8	Rail to Rail Low Power	2	.22	.12	2.7	6	.035	1	65	51	1.98	1.72	1.45

TEXAS INSTRUMENTS Operational Amplifiers

PERFORMANCE OPERATIONAL AMPLIFIERS (CONT.)

♦ Surface Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Pkg.	Description	Ch	GBW (MHz)	Slew (V/us)	Vs (V) Min	Vs (V) Max	IQ / Ch (mA)	VIO (mV)	CMRR (db)	Vn (nV/rt Hz)	Price Each 1	Price Each 25	Price Each 100
♦595—	TLV2452CD	SOIC-8	Rail to Rail Low Power	2	.22	.12	2.7	6	.035	1.5	65	51	1.80	1.51	1.21
595—	TLV2452IP	PDIP-8	Rail to Rail Low Power	2	.22	.12	2.7	6	.035	1	65	51	1.90	1.65	1.40
595—	TLV2453AIN	PDIP-14	Rail to Rail Low Power	2	.22	.12	2.7	6	.035	1	67	51	2.18	1.89	1.59
♦595—	TLV2453CD	SOIC-14	Rail to Rail Low Power	2	.22	.12	2.7	6	.035	1.5	67	51	1.98	1.65	1.32
595—	TLV2453IN	PDIP-14	Rail to Rail Low Power	2	.22	.12	2.7	6	.035	1	67	51	2.08	1.80	1.51
♦595—	TLV2332ID	SOIC-8	Low Power	2	.3	.38	2	8	.28	9	65	32	1.68	1.44	1.19
595—	TLV2332IP	PDIP-8	Low Power	2	.3	.38	2	8	.28	9	65	32	1.68	1.44	1.19
♦595—	TLV2432AID	SOIC-8	Rail to Rail	2	.5	.25	2.7	10	.125	.95	70	18	1.75	1.48	1.21
♦595—	TLV2432AQD	SOIC-8	Rail to Rail	2	.5	.25	2.7	10	.125	.95	70	18	1.53	1.43	1.32
♦595—	TLV2432CD	SOIC-8	Rail to Rail	2	.5	.25	2.7	10	.125	.95	70	18	1.60	1.36	1.11
♦595—	TLV2432CD	SOIC-8	Rail to Rail	2	.5	.25	2.7	10	.125	.95	70	18	1.60	1.36	1.11
♦595—	TLV2432ID	SOIC-8	Rail to Rail	2	.5	.25	2.7	10	.125	.95	70	18	1.68	1.42	1.16
♦595—	TLV2432ID	SOIC-8	Rail to Rail	2	.5	.25	2.7	10	.125	.95	70	18	1.68	1.42	1.16
♦595—	TLV2432QD	SOIC-8	Rail to Rail	2	.5	.25	2.7	10	.125	.95	70	18	1.45	1.35	1.25
♦595—	TLV2432QD	SOIC-8	Rail to Rail	2	.5	.25	2.7	10	.125	.95	70	18	1.45	1.35	1.25
595—	TL022CP	PDIP-8	Low Power	2	.5	.5	10	30	.125	5	60	50	1.70	1.42	1.14
♦595—	TLV2262AID	SOIC-8	Rail to Rail	2	.67	.55	2.7	16	.25	.95	70	12	1.78	1.49	1.19
595—	TLV2262AIP	PDIP-8	Rail to Rail	2	.67	.55	2.7	16	.25	.95	70	12	1.78	1.49	1.19
♦595—	TLV2262AQD	SOIC-8	Rail to Rail	2	.67	.55	2.7	16	.25	.95	70	12	1.65	1.38	1.11
♦595—	TLV2262ID	SOIC-8	Rail to Rail	2	.67	.55	2.7	16	.25	.95	70	12	1.70	1.42	1.14
595—	TLV2262IP	PDIP-8	Rail to Rail	2	.67	.55	2.7	16	.25	.95	70	12	1.70	1.42	1.14
♦595—	TLV2262QD	SOIC-8	Rail to Rail	2	.67	.55	2.7	16	.25	.95	70	12	1.58	1.32	1.06
♦595—	TLC2262AID	SOIC-8	Rail to Rail	2	.82	.55	4.4	16	.25	2.5	70	12	1.35	1.24	1.12
595—	TLC2262AIP	PDIP-8	Rail to Rail	2	.82	.55	4.4	16	.25	2.5	70	12	1.35	1.24	1.12
♦595—	TLC2262AQD	SOIC-8	Rail to Rail	2	.82	.55	4.4	16	.25	2.5	70	12	1.43	1.34	1.24
♦595—	TLC2262CD	SOIC-8	Rail to Rail	2	.82	.55	4.4	16	.25	2.5	70	12	1.47	1.23	.98
595—	TLC2262CP	PDIP-8	Rail to Rail	2	.82	.55	4.4	16	.25	2.5	70	12	1.47	1.23	.98
♦595—	TLC2262ID	SOIC-8	Rail to Rail	2	.82	.55	4.4	16	.25	2.5	70	12	1.30	1.12	.93
595—	TLC2262IP	PDIP-8	Rail to Rail	2	.82	.55	4.4	16	.25	2.5	70	12	1.30	1.12	.93
♦595—	TLC2262QD	SOIC-8	Rail to Rail	2	.82	.55	4.4	16	.25	2.5	70	12	1.38	1.29	1.19
♦595—	TL062ACD	SOIC-8	Low Power	2	1	3.5	7	36	.25	6	4	42	.80	.63	.45
595—	TL062BCP	PDIP-8	Low Power	2	1	3.5	7	36	.25	6	4	42	.96	.80	.64
♦595—	TL062CD	SOIC-8	Low Power	2	1	3.5	7	36	.25	6	4	42	.56	.44	.32
595—	TL062CP	PDIP-8	Low Power	2	1	3.5	7	36	.25	6	4	42	.56	.44	.32
♦595—	TL062ID	SOIC-8	Low Power	2	1	3.5	7	36	.25	6	4	42	.72	.57	.41
♦595—	TL032ACD	SOIC-8	Low Power	2	1.1	5.1	10	30	.28	1.5	75	41	2.36	2.14	1.91
595—	TL032ACP	PDIP-8	Low Power	2	1.1	5.1	10	30	.28	1.5	75	41	2.36	2.14	1.91
595—	TL032AIP	PDIP-8	Low Power	2	1.1	5.1	10	30	.28	1.5	75	41	2.48	2.20	1.91
♦595—	TL032CD	SOIC-8	Low Power	2	1.1	5.1	10	30	.28	1.5	75	41	1.26	1.05	.84
595—	TL032CP	PDIP-8	Low Power	2	1.1	5.1	10	30	.28	1.5	75	41	1.26	1.05	.84
♦595—	TL032ID	SOIC-8	Low Power	2	1.1	5.1	10	30	.28	1.5	75	41	1.44	1.20	.96
595—	TL032IP	PDIP-8	Low Power	2	1.1	5.1	10	30	.28	1.5	75	41	1.44	1.20	.96
♦595—	TLV2442AQD	SOIC-8	Rail to Rail	2	1.75	1.3	2.7	10	.725	.95	70	18	1.53	1.43	1.32
♦595—	TLV2442AQD	SOIC-8	Rail to Rail	2	1.75	1.3	2.7	10	.725	.95	70	18	1.53	1.43	1.32
♦595—	TLV2442AQPW	SOIC-8	Rail to Rail	2	1.75	1.3	2.7	10	.725	.95	70	18	1.53	1.43	1.32
♦595—	TLV2442AQPW	SOIC-8	Rail to Rail	2	1.75	1.3	2.7	10	.725	.95	70	18	1.53	1.30	1.06
♦595—	TLV2442CD	SOIC-8	Rail to Rail	2	1.75	1.3	2.7	10	.725	.95	70	18	1.53	1.30	1.06
♦595—	TLV2442CD	SOIC-8	Rail to Rail	2	1.75	1.3	2.7	10	.725	.95	70	18	1.60	1.36	1.11
♦595—	TLV2442ID	SOIC-8	Rail to Rail	2	1.75	1.3	2.7	10	.725	.95	70	18	1.60	1.36	1.11
♦595—	TLV2442ID	SOIC-8	Rail to Rail	2	1.75	1.3	2.7	10	.725	.95	70	18	1.45	1.35	1.25
♦595—	TLV2442QD	SOIC-8	Rail to Rail	2	1.75	1.3	2.7	10	.725	.95	70	18	1.45	1.35	1.25
♦595—	TLV2442QD	SOIC-8	Rail to Rail	2	1.75	1.3	2.7	10	.725	.95	70	18	1.50	1.40	1.30
♦595—	TLV2442QPW	TSSOP-8	Rail to Rail	2	1.75	1.3	2.7	10	.725	.95	70	18	1.50	1.40	1.30
♦595—	TLV2442QPW	TSSOP-8	Rail to Rail	2	1.75	1.3	2.7	10	.725	.95	70	18	1.50	1.40	1.30
♦595—	TLE2062ACD	SOIC-8	Low Power	2	2	3.4	7	36	.345	2	65	40	1.68	1.60	1.51
♦595—	TLE2062AID	SOIC-8	Low Power	2	2	3.4	7	36	.345	2	65	40	1.80	1.70	1.59
♦595—	TLE2062AMD	SOIC-8	Low Power	2	2	3.4	7	36	.345	2	65	40	2.40	2.24	2.08
♦595—	TLE2062CD	SOIC-8	Low Power	2	2	3.4	7	36	.345	2	65	40	1.41	1.18	.94
595—	TLE2062CP	PDIP-8	Low Power	2	2	3.4	7	36	.345	2	65	40	1.41	1.18	.94
♦595—	TLE2062ID	SOIC-8	Low Power	2	2	3.4	7	36	.345	2	65	40	1.28	1.09	.90
595—	TLE2062IP	PDIP-8	Low Power	2	2	3.4	7	36	.345	2	65	40	1.28	1.09	.90
♦595—	TLE2062MD	SOIC-8	Low Power	2	2	3.4	7	36	.345	2	65	40	1.45	1.21	.97
♦595—	TLC2272ACD	SOIC-8	Rail to Rail	2	2.18	3.6	4.4	16	1.5	2.5	70	9	1.33	1.18	1.03
595—	TLC2272ACP	PDIP-8	Rail to Rail	2	2.18	3.6	4.4	16	1.5	2.5	70	9	1.33	1.18	1.03
♦595—	TLC2272AID	SOIC-8	Rail to Rail	2	2.18	3.6	4.4	16	1.5	2.5	70	9	1.38	1.25	1.12
595—	TLC2272AIP	PDIP-8	Rail to Rail	2	2.18	3.6	4.4	16	1.5	2.5	70	9	1.38	1.25	1.12
♦595—	TLC2272AMD	SOIC-8	Rail to Rail	2	2.18	3.6	4.4	16	1.5	2.5	70	9	1.73	1.43	1.12
♦595—	TLC2272AQD	SOIC-8	Rail to Rail	2	2.18	3.6	4.4	16	1.5	2.5	70	9	1.43	1.34	1.24
♦595—	TLC2272CD	SOIC-8	Rail to Rail	2	2.18	3.6	4.4	16	1.5	2.5	70	9	1.25	1.06	.86
595—	TLC2272CP	PDIP-8	Rail to Rail	2	2.18	3.6	4.4	16	1.5	2.5	70	9	1.25	1.06	.86
♦595—	TLC2272ID	SOIC-8	Rail to Rail	2	2.18	3.6	4.4	16	1.5	2.5	70	9	1.33	1.14	.95
595—	TLC2272IP	PDIP-8	Rail to Rail	2	2.18	3.6	4.4	16	1.5	2.5	70	9	1.33	1.14	.95
♦595—	TLC2272MD	SOIC-8	Rail to Rail	2	2.18	3.6	4.4	16	1.5	2.5	70	9	1.58	1.31	1.03
♦595—	TLC2272QD	SOIC-8	Rail to Rail	2	2.18	3.6	4.4	16	1.5	2.5	70	9	1.38	1.29	1.19
♦595—	TLV4112CD	SOIC-8	High Output Drive	2	2.7	1.6	2.5	6	1	3.5	63	20	1.98	1.77	1.55
♦595—	TLV2472AID	SOIC-8	Rail to Rail Low Power	2	2.8	1.4	2.7	6	.75	1.6	61	15	1.98	1.72	1.45
595—	TLV2472AIP	PDIP-8	Rail to Rail Low Power	2	2.8	1.4	2.7	6	.75	1.6	61	15	1.98	1.72	1.45
♦595—	TLV2472CD	SOIC-8	Rail to Rail Low Power	2	2.8	1.4	2.7	6	.75	1.6	61	15	1.80	1.51	1.21
♦595—	TLV2472ID	SOIC-8	Rail to Rail Low Power	2	2.8	1.4	2.7	6	.75	1.6	61	15	1.90	1.65	1.40
595—	TLV2472IP	PDIP-8	Rail to Rail Low Power	2	2.8	1.4	2.7	6	.75	1.6	61	15	1.90	1.65	1.40
♦595—	TLV2473AID	SOIC-14	Rail to Rail Low Power	2	2.8	1.4	2.7	6	.75	1.6	61	15	2.18	1.89	1.59
595—	TLV2473AIN	PDIP-14	Rail to Rail Low Power	2	2.8	1.4	2.7	6	.75	1.6	61	15	2.18	1.89	1.59

TEXAS INSTRUMENTS Operational Amplifiers

PERFORMANCE OPERATIONAL AMPLIFIERS (CONT.)

♦ Surface Mount

For quantities of 250 and up, call for quote

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Pkg.	Description	Ch	GBW (MHz)	Slew (V/us)	Vs (V) Min	Vs (V) Max	IQ / Ch (mA)	VIO (mV)	CMRR (db)	Vn (nV/rt Hz)	Price Each 1	25	100
♦ 595—	TLV2473CD	SOIC-14	Rail to Rail Low Power	2	2.8	1.4	2.7	6	.75	1.6	61	15	1.98	1.65	1.32
♦ 595—	TLV2473ID	SOIC-14	Rail to Rail Low Power	2	2.8	1.4	2.7	6	.75	1.6	61	15	2.08	1.80	1.51
595—	TLV2473IN	PDIP-14	Rail to Rail Low Power	2	2.8	1.4	2.7	6	.75	1.6	61	15	2.08	1.80	1.51
♦ 595—	TL072ACD	SOIC-8	Low Noise	2	3	13	7	36	2.5	6	75	18	.64	.50	.36
595—	TL072ACP	PDIP-8	Low Noise	2	3	13	7	36	2.5	6	75	18	.64	.50	.36
♦ 595—	TL072BCD	SOIC-8	Low Noise	2	3	13	7	36	2.5	6	75	18	.75	.63	.51
595—	TL072BCP	PDIP-8	Low Noise	2	3	13	7	36	2.5	6	75	18	.75	.63	.51
♦ 595—	TL072CD	SOIC-8	Low Noise	2	3	13	7	36	2.5	6	75	18	.50	.40	.30
595—	TL072CP	PDIP-8	Low Noise	2	3	13	7	36	2.5	6	75	18	.50	.40	.30
♦ 595—	TL072ID	SOIC-8	Low Noise	2	3	13	7	36	2.5	6	75	18	.64	.50	.36
595—	RC4559P	PDIP-8	-	2	4	2	10	30	2.8	6	80	-	.88	.69	.50
♦ 595—	TLV2772AID	SOIC-8	Rail to Rail	2	4.8	9	2.5	5.5	2	1.6	70	21	2.25	1.95	1.64
595—	TLV2772AIP	PDIP-8	Rail to Rail	2	4.8	9	2.5	5.5	2	1.6	70	21	2.25	1.95	1.64
♦ 595—	TLV2772AMD	SOIC-8	Rail to Rail	2	4.8	9	2.5	5.5	2	1.6	70	21	2.45	2.41	2.37
♦ 595—	TLV2772CD	SOIC-8	Rail to Rail	2	4.8	9	2.5	5.5	2	1.6	70	21	2.05	1.95	1.84
♦ 595—	TLV2772CDGK	TSSOP-8	Rail to Rail	2	4.8	9	2.5	5.5	2	1.6	70	21	2.05	1.78	1.50
595—	TLV2772CP	PDIP-8	Rail to Rail	2	4.8	9	2.5	5.5	2	1.6	70	21	2.05	1.78	1.50
♦ 595—	TLV2772ID	SOIC-8	Rail to Rail	2	4.8	9	2.5	5.5	2	1.6	70	21	2.15	1.87	1.58
595—	TLV2772IP	PDIP-8	Rail to Rail	2	4.8	9	2.5	5.5	2	1.6	70	21	2.15	1.87	1.58
♦ 595—	TLV2772MD	SOIC-8	Rail to Rail	2	4.8	9	2.5	5.5	2	1.6	70	21	2.34	2.30	2.25
595—	TLV2773AIN	PDIP-14	Rail to Rail	2	4.8	9	2.5	5.5	2	1.6	70	21	2.45	2.13	1.80
♦ 595—	TLV2773CDGS	SOIC-10	Rail to Rail	2	4.8	9	2.5	5.5	2	1.6	70	21	2.25	1.95	1.64
595—	TLV2773IN	PDIP-14	Rail to Rail	2	4.8	9	2.5	5.5	2	1.6	70	21	2.35	2.04	1.72
595—	TLV2462AIP	PDIP-8	Rail to Rail	2	5.2	1.6	2.7	6	.575	1.5	66	11	1.98	1.72	1.45
♦ 595—	TLV2462CD	SOIC-8	Rail to Rail	2	5.2	1.6	2.7	6	.575	1.5	66	11	1.80	1.51	1.21
595—	TLV2462CP	PDIP-8	Rail to Rail	2	5.2	1.6	2.7	6	.575	1.5	66	11	1.80	1.56	1.32
♦ 595—	TLV2462ID	SOIC-8	Rail to Rail	2	5.2	1.6	2.7	6	.575	1.5	66	11	1.90	1.81	1.71
595—	TLV2462IP	PDIP-8	Rail to Rail	2	5.2	1.6	2.7	6	.575	1.5	66	11	1.90	1.65	1.40
595—	TLV2463AIN	PDIP-14	Rail to Rail	2	5.2	1.6	2.7	6	.575	1.5	66	11	2.18	1.89	1.59
♦ 595—	TLV2463CD	SOIC-14	Rail to Rail	2	5.2	1.6	2.7	6	.575	1.5	66	11	1.98	1.65	1.32
♦ 595—	TLV2463CDGS	SOIC-10	Rail to Rail	2	5.2	1.6	2.7	6	.575	1.5	66	11	1.98	1.72	1.45
595—	TLV2463CN	PDIP-14	Rail to Rail	2	5.2	1.6	2.7	6	.575	1.5	66	11	1.98	1.72	1.45
♦ 595—	TLV2463ID	SOIC-14	Rail to Rail	2	5.2	1.6	2.7	6	.575	1.5	66	11	2.08	1.80	1.51
595—	TLV2463IN	PDIP-14	Rail to Rail	2	5.2	1.6	2.7	6	.575	1.5	66	11	2.08	1.80	1.51
♦ 595—	TLE2142ACD	SOIC-8	Low Noise	2	5.9	45	4	44	4.5	.75	85	1.5	2.72	2.44	2.16
♦ 595—	TLE2142AID	SOIC-8	Low Noise	2	5.9	45	4	44	4.5	.75	85	1.5	2.88	2.59	2.29
♦ 595—	TLE2142AMD	SOIC-8	Low Noise	2	5.9	45	4	44	4.5	.75	85	1.5	2.63	2.59	2.54
♦ 595—	TLE2142CD	SOIC-8	Low Noise	2	5.9	45	4	44	4.5	.75	85	1.5	1.78	1.52	1.25
595—	TLE2142CP	PDIP-8	Low Noise	2	5.9	45	4	44	4.5	.75	85	1.5	1.78	1.69	1.60
♦ 595—	TLE2142ID	SOIC-8	Low Noise	2	5.9	45	4	44	4.5	.75	85	1.5	1.95	1.66	1.37
595—	TLE2142IP	PDIP-8	Low Noise	2	5.9	45	4	44	4.5	.75	85	1.5	1.95	1.66	1.37
♦ 595—	TLE2142MD	SOIC-8	Low Noise	2	5.9	45	4	44	4.5	.75	85	1.5	1.78	1.49	1.19
♦ 595—	TLV2362ID	SOIC-8	-	2	7	3	2	5	2.5	6	86	8	.87	.73	.58
595—	TLV2362IP	PDIP-8	-	2	7	3	2	5	2.5	6	86	8	.87	.73	.58
♦ 595—	TLV2782AID	SOIC-8	Rail to Rail	2	8	4.3	1.8	3.6	.82	2	50	18	2.23	1.98	1.72
♦ 595—	TLV2782ID	SOIC-8	Rail to Rail	2	8	4.3	1.8	3.6	.82	2	50	18	2.13	1.89	1.64
595—	TLV2782IP	PDIP-8	Rail to Rail	2	8	4.3	1.8	3.6	.82	2	50	18	2.13	1.89	1.64
595—	NE5532AP	PDIP-8	Low Noise	2	10	9	10	30	8	4	70	5	1.20	1.00	.80
595—	NE5532P	PDIP-8	Low Noise	2	10	9	10	30	8	4	70	5	.75	.63	.50
595—	OPA2658P	PDIP-8	Low Power Current Feedback	2	800@Acl	1700	-5	5	-	4.5	-	2.7	6.28	5.97	5.75
♦ 595—	OPA2658U	SOIC-8	Low Power Current Feedback	2	800@Acl	1700	-5	5	-	4.5	-	2.7	4.93	4.47	4.01
♦ 595—	TLV2244IPW	TSSOP-14	Low Power	4	.0055	.002	2.5	12	.0012	3	55	800	2.34	2.18	2.02
♦ 595—	TLV2404CD	SOIC-14	Rail to Rail	4	.0055	.0025	2.5	16	.00095	1.2	63	800	2.84	2.48	2.12
595—	TLV2404IN	PDIP-14	Low Power	4	.0055	.0025	2.5	16	.00095	1.2	63	800	2.99	2.79	2.58
♦ 595—	TLV2324ID	SOIC-14	Low Power	4	.027	.02	2	8	.017	10	65	68	2.28	1.94	1.59
595—	TLV2324IN	PDIP-14	Low Power	4	.027	.02	2	8	.017	10	65	68	2.28	1.94	1.59
♦ 595—	TLV2324IPW	TSSOP-14	Low Power	4	.027	.02	2	8	.017	10	65	68	2.28	1.95	1.62
♦ 595—	TLV2254AID	SOIC-14	Low Power	4	.187	.1	2.7	16	.0625	.85	65	19	2.48	2.07	1.65
595—	TLV2254AIN	PDIP-14	Low Power	4	.187	.1	2.7	16	.0625	.85	65	19	2.48	2.07	1.65
♦ 595—	TLV2254AQD	SOIC-14	Low Power	4	.187	.1	2.7	16	.0625	.85	65	19	2.30	1.92	1.54
♦ 595—	TLV2254ID	SOIC-14	Low Power	4	.187	.1	2.7	16	.0625	.85	65	19	2.38	1.99	1.59
595—	TLV2254IN	PDIP-14	Low Power	4	.187	.1	2.7	16	.0625	.85	65	19	2.38	1.99	1.59
♦ 595—	TLC2254AID	SOIC-14	Rail to Rail	4	.2	.12	4.4	16	.0625	.85	70	19	1.65	1.50	1.34
595—	TLC2254AIN	PDIP-14	Rail to Rail	4	.2	.12	4.4	16	.0625	.85	70	19	1.65	1.50	1.34
♦ 595—	TLC2254AQD	SOIC-14	Rail to Rail	4	.2	.12	4.4	16	.0625	.85	70	19	2.00	1.87	1.73
♦ 595—	TLC2254CD	SOIC-14	Rail to Rail	4	.2	.12	4.4	16	.0625	.85	70	19	1.50	1.27	1.03
595—	TLC2254CN	PDIP-14	Rail to Rail	4	.2	.12	4.4	16	.0625	.85	70	19	1.50	1.27	1.03
♦ 595—	TLC2254ID	SOIC-14	Rail to Rail	4	.2	.12	4.4	16	.0625	.85	70	19	1.58	1.36	1.14
595—	TLC2254IN	PDIP-14	Rail to Rail	4	.2	.12	4.4	16	.0625	.85	70	19	1.58	1.36	1.14
♦ 595—	TLC2254QD	SOIC-14	Rail to Rail	4	.2	.12	4.4	16	.0625	.85	70	19	1.93	1.80	1.67
♦ 595—	TLV2454AID	SOIC-14	Rail to Rail Low Power	4	.22	.12	2.7	6	.035	1	69	51	2.32	2.11	1.90
595—	TLV2454AIN	PDIP-14	Rail to Rail Low Power	4	.22	.12	2.7	6	.035	1	69	51	2.32	2.11	1.90
♦ 595—	TLV2454CD	SOIC-14	Rail to Rail Low Power	4	.22	.12	2.7	6	.035	1.5	69	51	2.35	1.96	1.57
595—	TLV2454CN	PDIP-14	Rail to Rail Low Power	4	.22	.12	2.7	6	.035	1	69	51	2.35	2.04	1.72
♦ 595—	TLV2454ID	SOIC-14	Rail to Rail Low Power	4	.22	.12	2.7	6	.035	1	69	51	2.48	2.15	1.81
595—	TLV2454IN	PDIP-14	Rail to Rail Low Power	4	.22	.12	2.7	6	.035	1	69	51	2.48	2.15	1.81
♦ 595—	TLV2455AID	SOIC-16	Rail to Rail Low Power	4	.22	.12	2.7	6	.035	1	71	51	2.54	2.31	2.07
595—	TLV2455AIN	PDIP-16	Rail to Rail Low Power	4	.22	.12	2.7	6	.035	1	71	51	2.54	2.31	2.07
♦ 595—	TLV2455CD	SOIC-16	Rail to Rail Low Power	4	.22	.12	2.7	6	.035	1.5	71	51	2.32	2.03	1.74
595—	TLV2455CN	PDIP-16	Rail to Rail Low Power	4	.22	.12	2.7	6	.035	1	71	51	2.32	2.11	1.90
♦ 595—	TLV2455ID	SOIC-16	Rail to Rail Low Power	4	.22	.12	2.7	6	.035	1	71	51	2.43	2.21	1.98
595—	TLV2455IN	PDIP-16	Rail to Rail Low Power	4	.22	.12	2.7	6	.035	1	71	51	2.43	2.21	1.98

ERFORMANCE OPERATIONAL AMPLIFIERS (CONT.)

♦ Surface Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Pkg.	Description	Ch	GBW (MHz)	Slew (V/us)	Vs (V) Min	Vs (V) Max	IQ / Ch (mA)	VIO (mV)	CMRR (db)	Vn (nV/rt Hz)	Price Each 1	25	100
♦595—	TLV2334ID	SOIC-14	Low Power	4	.3	.38	2	8	.28	10	65	32	2.35	2.00	1.65
595—	TLV2334IN	PDIP-14	Low Power	4	.3	.38	2	8	.28	10	65	32	2.35	2.00	1.65
♦595—	TLV2434CD	SOIC-14	Rail to Rail	4	.5	.25	2.7	10	.125	.95	70	18	2.20	1.87	1.54
♦595—	TLV2434CD	SOIC-14	Rail to Rail	4	.5	.25	2.7	10	.125	.95	70	18	2.20	1.87	1.54
♦595—	TLV2434CPW	TSSOP-14	Rail to Rail	4	.5	.25	2.7	10	.125	.95	70	18	2.20	1.87	1.54
♦595—	TLV2434CPW	TSSOP-14	Rail to Rail	4	.5	.25	2.7	10	.125	.95	70	18	2.20	1.87	1.54
♦595—	TLV2264AID	SOIC-14	Rail to Rail	4	.67	.55	2.7	16	.25	.95	70	12	2.48	2.07	1.65
595—	TLV2264AIN	PDIP-14	Rail to Rail	4	.67	.55	2.7	16	.25	.95	70	12	2.48	2.07	1.65
♦595—	TLV2264ID	SOIC-14	Rail to Rail	4	.67	.55	2.7	16	.25	.95	70	12	2.38	1.99	1.59
595—	TLV2264IN	PDIP-14	Rail to Rail	4	.67	.55	2.7	16	.25	.95	70	12	2.38	1.99	1.59
♦595—	TLV2264QD	SOIC-14	Rail to Rail	4	.67	.55	2.7	16	.25	.95	70	12	2.20	1.84	1.47
♦595—	TLC2264AID	SOIC-14	Rail to Rail	4	.82	.55	4.4	16	.25	2.5	70	12	1.65	1.50	1.34
595—	TLC2264AIN	PDIP-14	Rail to Rail	4	.82	.55	4.4	16	.25	2.5	70	12	1.65	1.50	1.34
♦595—	TLC2264AQD	SOIC-14	Rail to Rail	4	.82	.55	4.4	16	.25	2.5	70	12	2.00	1.87	1.73
♦595—	TLC2264CD	SOIC-14	Rail to Rail	4	.82	.55	4.4	16	.25	2.5	70	12	1.50	1.27	1.03
595—	TLC2264CN	PDIP-14	Rail to Rail	4	.82	.55	4.4	16	.25	2.5	70	12	1.50	1.27	1.03
♦595—	TLC2264ID	SOIC-14	Rail to Rail	4	.82	.55	4.4	16	.25	2.5	70	12	1.58	1.36	1.14
595—	TLC2264IN	PDIP-14	Rail to Rail	4	.82	.55	4.4	16	.25	2.5	70	12	1.58	1.36	1.14
♦595—	TLC2264QD	SOIC-14	Rail to Rail	4	.82	.55	4.4	16	.25	2.5	70	12	1.93	1.80	1.67
♦595—	MC3303D	SOIC-14	Low Power	4	1	.6	5	30	1.75	8	70	-	.60	.47	.34
595—	MC3303N	PDIP-14	Low Power	4	1	.6	5	30	1.75	8	70	-	.60	.47	.34
♦595—	MC3403D	SOIC-14	Low Power	4	1	.6	5	30	1.75	10	70	-	.52	.41	.30
595—	MC3403N	PDIP-14	Low Power	4	1	.6	5	30	1.75	10	70	-	.52	.41	.30
♦595—	LMV324ID	SOIC-14	Rail to Rail Low Power	4	1	1	2.7	5.5	.17	7	50	39	.64	.50	.36
♦595—	TL064ACD	SOIC-14	Low Power	4	1	3.5	7	36	.25	6	4	42	.75	.64	.52
♦595—	TL064BCD	SOIC-14	Low Power	4	1	3.5	7	36	.25	6	4	42	1.47	1.23	.98
♦595—	TL064CD	SOIC-14	Low Power	4	1	3.5	7	36	.25	6	4	42	.68	.54	.39
595—	TL064CN	PDIP-14	Low Power	4	1	3.5	7	36	.25	6	4	42	.68	.54	.39
♦595—	TL064ID	SOIC-14	Low Power	4	1	3.5	7	36	.25	6	4	42	.76	.64	.52
595—	TL064IN	PDIP-14	Low Power	4	1	3.5	7	36	.25	6	4	42	.76	.64	.52
♦595—	TL034ACD	SOIC-14	Low Power	4	1.1	5.1	10	30	.28	4	75	43	4.28	3.90	3.52
♦595—	TL034AID	SOIC-14	Low Power	4	1.1	5.1	10	30	.28	4	75	43	4.57	4.05	3.52
♦595—	TL034CD	SOIC-14	Low Power	4	1.1	5.1	10	30	.28	4	75	43	1.65	1.40	1.15
595—	TL034CN	PDIP-14	Low Power	4	1.1	5.1	10	30	.28	4	75	43	1.65	1.40	1.15
♦595—	TL034ID	SOIC-14	Low Power	4	1.1	5.1	10	30	.28	4	75	43	1.25	1.06	.87
♦595—	TLV2444CD	SOIC-14	Rail to Rail	4	1.75	1.3	2.7	10	.725	.95	70	18	2.13	1.80	1.47
♦595—	TLV2444CD	SOIC-14	Rail to Rail	4	1.75	1.3	2.7	10	.725	.95	70	18	2.13	1.80	1.47
♦595—	TLV2444CPW	TSSOP-14	Rail to Rail	4	1.75	1.3	2.7	10	.725	.95	70	18	2.13	1.80	1.47
♦595—	TLE2064ACD	SOIC-14	Low Power	4	2	3.4	7	36	.35	4	65	40	4.37	3.93	3.49
595—	TLE2064ACN	PDIP-14	Low Power	4	2	3.4	7	36	.35	4	65	40	4.37	3.93	3.49
♦595—	TLE2064AID	SOIC-14	Low Power	4	2	3.4	7	36	.35	4	65	40	4.68	4.20	3.72
♦595—	TLE2064AMD	SOIC-14	Low Power	4	2	3.4	7	36	.35	4	65	40	3.67	3.61	3.54
♦595—	TLE2064CD	SOIC-14	Low Power	4	2	3.4	7	36	.35	4	65	40	3.02	2.67	2.32
595—	TLE2064CN	PDIP-14	Low Power	4	2	3.4	7	36	.35	4	65	40	3.02	2.67	2.32
♦595—	TLE2064ID	SOIC-14	Low Power	4	2	3.4	7	36	.35	4	65	40	3.31	2.94	2.57
595—	TLE2064IN	PDIP-14	Low Power	4	2	3.4	7	36	.35	4	65	40	3.31	2.94	2.57
♦595—	TLC2274ACD	SOIC-14	Rail to Rail	4	2.18	3.6	4.4	16	1.5	2.5	70	9	1.58	1.42	1.25
595—	TLC2274ACN	PDIP-14	Rail to Rail	4	2.18	3.6	4.4	16	1.5	2.5	70	9	1.58	1.27	.95
♦595—	TLC2274AID	SOIC-14	Rail to Rail	4	2.18	3.6	4.4	16	1.5	2.5	70	9	1.65	1.50	1.34
595—	TLC2274AIN	PDIP-14	Rail to Rail	4	2.18	3.6	4.4	16	1.5	2.5	70	9	1.65	1.50	1.34
♦595—	TLC2274AIPW	TSSOP-14	Rail to Rail	4	2.18	3.6	4.4	16	1.5	2.5	70	9	1.65	1.50	1.34
♦595—	TLC2274AMD	SOIC-14	Rail to Rail	4	2.18	3.6	4.4	16	1.5	2.5	70	9	2.32	2.28	2.24
♦595—	TLC2274AQD	SOIC-14	Rail to Rail	4	2.18	3.6	4.4	16	1.5	2.5	70	9	2.00	1.87	1.73
♦595—	TLC2274CD	SOIC-14	Rail to Rail	4	2.18	3.6	4.4	16	1.5	2.5	70	9	1.50	1.27	1.03
595—	TLC2274CN	PDIP-14	Rail to Rail	4	2.18	3.6	4.4	16	1.5	2.5	70	9	1.50	1.27	1.03
♦595—	TLC2274ID	SOIC-14	Rail to Rail	4	2.18	3.6	4.4	16	1.5	2.5	70	9	1.58	1.36	1.14
595—	TLC2274IN	PDIP-14	Rail to Rail	4	2.18	3.6	4.4	16	1.5	2.5	70	9	1.58	1.36	1.14
♦595—	TLC2274MD	SOIC-14	Rail to Rail	4	2.18	3.6	4.4	16	1.5	2.5	70	9	2.38	2.22	2.06
♦595—	TLC2274QD	SOIC-14	Rail to Rail	4	2.18	3.6	4.4	16	1.5	2.5	70	9	1.93	1.80	1.67
595—	TLV2474AIN	PDIP-14	Rail to Rail Low Power	4	2.8	1.4	2.7	6	.75	1.6	61	15	2.32	2.11	1.90
♦595—	TLV2474CD	SOIC-14	Rail to Rail Low Power	4	2.8	1.4	2.7	6	.75	1.6	61	15	2.35	1.96	1.57
595—	TLV2474CN	PDIP-14	Rail to Rail Low Power	4	2.8	1.4	2.7	6	.75	1.6	61	15	2.35	2.04	1.72
595—	TLV2474IN	PDIP-14	Rail to Rail Low Power	4	2.8	1.4	2.7	6	.75	1.6	61	15	2.48	2.15	1.81
595—	TLV2475AIN	PDIP-16	Rail to Rail Low Power	4	2.8	1.4	2.7	6	.75	1.6	61	15	2.54	2.31	2.07
♦595—	TLV2475CD	SOIC-16	Rail to Rail Low Power	4	2.8	1.4	2.7	6	.75	1.6	61	15	2.32	2.03	1.74
595—	TLV2475CN	PDIP-16	Rail to Rail Low Power	4	2.8	1.4	2.7	6	.75	1.6	61	15	2.32	2.11	1.90
595—	TLV2475IN	PDIP-16	Rail to Rail Low Power	4	2.8	1.4	2.7	6	.75	1.6	61	15	2.43	2.21	1.98
♦595—	TL074ACD	SOIC-14	Low Noise	4	3	13	7	36	2.5	6	75	18	.96	.75	.54
♦595—	TL074BCD	SOIC-14	Low Noise	4	3	13	7	36	2.5	6	75	18	1.05	.88	.70
595—	TL074BCN	PDIP-14	Low Noise	4	3	13	7	36	2.5	6	75	18	1.05	.88	.70
♦595—	TL074CD	SOIC-14	Low Noise	4	3	13	7	36	2.5	6	75	18	.64	.50	.36
595—	TL074CN	PDIP-14	Low Noise	4	3	13	7	36	2.5	6	75	18	.64	.50	.36
♦595—	TL074ID	SOIC-14	Low Noise	4	3	13	7	36	2.5	6	75	18	.72	.57	.41
595—	TL074IN	PDIP-14	Low Noise	4	3	13	7	36	2.5	6	75	18	.72	.57	.41
595—	TLV2774AIN	PDIP-14	Rail to Rail	4	4.8	9	2.5	5.5	2	2.1	70	21	2.63	2.39	2.14
♦595—	TLV2774CD	SOIC-14	Rail to Rail	4	4.8	9	2.5	5.5	2	2.1	70	21	2.39	2.17	1.95
595—	TLV2774CN	PDIP-14	Rail to Rail	4	4.8	9	2.5	5.5	2	2.1	70	21	2.39	2.17	1.95
♦595—	TLV2774ID	SOIC-14	Rail to Rail	4	4.8	9	2.5	5.5	2	2.1	70	21	2.52	2.29	2.05
595—	TLV2774IN	PDIP-14	Rail to Rail	4	4.8	9	2.5	5.5	2	2.1	70	21	2.52	2.29	2.05
595—	TLV2775AIN	PDIP-16	Rail to Rail	4	4.8	9	2.5	5.5	2	2.1	70	21	2.88	2.61	2.34
595—	TLV2775CN	PDIP-16	Rail to Rail	4	4.8	9	2.5	5.5	2	2.1	70	21	2.63	2.39	2.14
♦595—	TLV2775ID	SOIC-16	Rail to Rail	4	4.8	9	2.5	5.5	2	2.1	70	21	2.75	2.50	2.25

TEXAS INSTRUMENTS Operational Amplifiers

PERFORMANCE OPERATIONAL AMPLIFIERS (CONT.)

♦ Surface Mour

For quantities of 250 and up, call for quot

MOUSER STOCK NO.		Pkg.	Description	Ch	GBW (MHz)	Slew (V/us)	Vs (V)		IQ / Ch (mA)	VIO (mV)	CMRR (db)	Vn (nV/rt Hz)	Price Each		
Mfr.	Mfr. Part No.						Min	Max					1	25	100
595—	TLV2775IN	PDIP-14	Rail to Rail	4	4.8	9	2.5	5.5	2	2.1	70	21	2.75	2.50	2.25
♦ 595—	TLV2464CD	SOIC-14	Rail to Rail	4	5.2	1.6	2.7	6	.575	1.5	66	11	2.35	1.96	1.57
595—	TLV2464CN	PDIP-14	Rail to Rail	4	5.2	1.6	2.7	6	.575	1.5	66	11	2.35	2.04	1.72
♦ 595—	TLV2464ID	SOIC-14	Rail to Rail	4	5.2	1.6	2.7	6	.575	1.5	66	11	2.48	2.15	1.81
595—	TLV2464IN	PDIP-14	Rail to Rail	4	5.2	1.6	2.7	6	.575	1.5	66	11	2.48	2.15	1.81
♦ 595—	TLV2465CD	SOIC-16	Rail to Rail	4	5.2	1.6	2.7	6	.575	1.5	66	11	2.32	2.03	1.74
595—	TLV2465CN	PDIP-16	Rail to Rail	4	5.2	1.6	2.7	6	.575	1.5	66	11	2.32	2.11	1.90
♦ 595—	TLV2465ID	SOIC-16	Rail to Rail Low Power	4	5.2	1.6	2.7	6	.575	1.5	66	11	2.43	2.21	1.98
♦ 595—	TLV2465ID	SOIC-16	Rail to Rail Low Power	4	5.2	1.6	2.7	6	.575	2	66	11	2.43	2.21	1.98
595—	TLV2465IN	PDIP-16	Rail to Rail Low Power	4	5.2	1.6	2.7	6	.575	1.5	66	11	2.43	2.21	1.98
595—	TLE2144ACN	PDIP-14	Low Noise	4	5.9	45	4	44	4.5	1.5	85	1.5	4.55	4.39	4.23
595—	TLE2144AIN	PDIP-14	Low Noise	4	5.9	45	4	44	4.5	1.5	85	1.5	4.57	4.54	4.50
♦ 595—	TLE2144CDW	SOIC-16	Low Noise	4	5.9	45	4	44	4.5	1.5	85	1.5	3.65	3.24	2.83
595—	TLE2144CN	PDIP-14	Low Noise	4	5.9	45	4	44	4.5	1.5	85	1.5	3.65	3.24	2.83
♦ 595—	TLE2144IDW	SOIC-16	Low Noise	4	5.9	45	4	44	4.5	1.5	85	1.5	4.03	3.57	3.10
595—	TLE2144IN	PDIP-14	Low Noise	4	5.9	45	4	44	4.5	1.5	85	1.5	3.94	3.49	3.03
♦ 595—	TLE2144MDW	SOIC-16	Low Noise	4	5.9	45	4	44	4.5	1.5	85	1.5	3.40	3.34	3.28

PRECISION OPERATIONAL AMPLIFIERS

♦ Surface Mour

For quantities of 250 and up, call for quot

MOUSER STOCK NO.		Pkg.	Description	Ch	GBW (MHz)	Slew (V/us)	Vs (V)		IQ / Ch (mA)	VIO (mV)	CMRR (db)	Vn (nV/rt Hz)	Price Each		
Mfr.	Mfr. Part No.						Min	Max					1	25	100
♦ 595—	TL031CD	SOIC-8	Low Power	1	1.1	5.1	10	30	.28	1.5	75	41	.87	.73	.59
595—	TL031CP	PDIP-8	Low Power	1	1.1	5.1	10	30	.28	1.5	75	41	.87	.73	.59
595—	TLC2201CP	PDIP-8	Low Noise	1	1.8	2.5	4.6	16	1.5	.5	85	8	3.31	2.93	2.55
♦ 595—	TLC2201ID	SOIC-8	Low Noise	1	1.8	2.5	4.6	16	1.5	.5	85	8	3.49	3.15	2.81
♦ 595—	TLC2652AC-14D	SOIC-14	Chopper Stabilized	1	1.9	3.1	3.8	16	2.4	.001	120	35	4.07	3.83	3.59
♦ 595—	TLC2652AC-8D	SOIC-8	Chopper Stabilized	1	1.9	3.1	3.8	16	2.4	.001	120	35	4.07	3.83	3.59
595—	TLC2652ACN	PDIP-14	Chopper Stabilized	1	1.9	3.1	3.8	16	2.4	.001	120	35	4.07	3.83	3.59
595—	TLC2652ACP	PDIP-8	Chopper Stabilized	1	1.9	3.1	3.8	16	2.4	.001	120	35	4.07	3.83	3.59
♦ 595—	TLC2652AI-8D	SOIC-8	Chopper Stabilized	1	1.9	3.1	3.8	16	2.4	.001	120	35	4.25	4.07	3.88
595—	TLC2652AIN	PDIP-14	Chopper Stabilized	1	1.9	3.1	3.8	16	2.4	.001	120	35	4.25	4.07	3.88
595—	TLC2652AIP	PDIP-8	Chopper Stabilized	1	1.9	3.1	3.8	16	2.4	.003	120	23	4.25	4.07	3.88
♦ 595—	TLC2652C-8D	SOIC-8	Chopper Stabilized	1	1.9	3.1	3.8	16	2.4	.001	120	35	3.87	3.43	2.98
595—	TLC2652CN	PDIP-14	Chopper Stabilized	1	1.9	3.1	3.8	16	2.4	.001	120	35	3.87	3.43	2.98
595—	TLC2652CP	PDIP-8	Chopper Stabilized	1	1.9	3.1	3.8	16	2.4	.001	120	35	3.87	3.43	2.98
♦ 595—	TLC2652I-8D	SOIC-8	Chopper Stabilized	1	1.9	3.1	3.8	16	2.4	.001	120	35	4.07	3.68	3.28
♦ 595—	TLC2652M-8D	SOIC-8	Chopper Stabilized	1	1.9	3.1	3.8	16	2.4	.001	120	35	4.14	4.07	4.00
♦ 595—	TLC2652Q-8D	SOIC-8	Chopper Stabilized	1	1.9	3.1	3.8	16	2.4	.001	120	35	3.78	3.71	3.64
♦ 595—	TLE2061ACD	SOIC-8	Low Power	1	2	3.4	7	36	.35	2.6	65	40	1.73	1.65	1.56
♦ 595—	TLE2061AID	SOIC-8	Low Power	1	2	3.4	7	36	.35	2.6	65	40	1.88	1.78	1.67
595—	TLE2061AIP	PDIP-8	Low Power	1	2	3.4	7	36	.35	2.6	65	40	1.88	1.78	1.67
♦ 595—	TLE2061CD	SOIC-8	Low Power	1	2	3.4	7	36	.35	2.6	65	40	1.50	1.27	1.04
595—	TLE2061CP	PDIP-8	Low Power	1	2	3.4	7	36	.35	2.6	65	40	1.50	1.27	1.04
♦ 595—	TLE2061MD	SOIC-8	Low Power	1	2	3.4	7	36	.35	2.6	65	40	1.33	1.24	1.15
♦ 595—	TLC4501ACD	SOIC-8	Self-Calibrating	1	4.7	2.5	4	6	1.5	.08	90	12	2.72	2.56	2.40
♦ 595—	TLC4501AID	SOIC-8	Self-Calibrating	1	4.7	2.5	4	6	1.5	.08	90	12	2.84	2.72	2.60
♦ 595—	TLC4501CD	SOIC-8	Self-Calibrating	1	4.7	2.5	4	6	1.5	.08	90	12	2.59	2.29	1.99
♦ 595—	TLC27L2ACD	SOIC-8	-	2	.085	.03	3	16	.017	5	65	68	.84	.70	.56
595—	TLC27L2ACP	PDIP-8	-	2	.085	.03	3	16	.017	5	65	68	.84	.70	.56
♦ 595—	TLC27L2AID	SOIC-8	-	2	.085	.03	3	16	.017	5	65	68	.87	.73	.58
595—	TLC27L2AIP	PDIP-8	-	2	.085	.03	3	16	.017	5	65	68	.87	.73	.58
♦ 595—	TLC27L2BCD	SOIC-8	-	2	.085	.03	3	16	.017	5	65	68	.87	.74	.61
595—	TLC27L2BCP	PDIP-8	-	2	.085	.03	3	16	.017	5	65	68	.87	.74	.61
♦ 595—	TLC27L2BID	SOIC-8	-	2	.085	.03	3	16	.017	5	65	68	.90	.75	.60
595—	TLC27L2BIP	PDIP-8	-	2	.085	.03	3	16	.017	5	65	68	.90	.78	.66
♦ 595—	TLC27L2CD	SOIC-8	-	2	.085	.03	3	16	.017	5	65	68	.78	.65	.52
595—	TLC27L2CP	PDIP-8	-	2	.085	.03	3	16	.017	5	65	68	.78	.65	.52
♦ 595—	TLC27L2ID	SOIC-8	-	2	.085	.03	3	16	.017	5	65	68	.84	.70	.56
595—	TLC27L2IP	PDIP-8	-	2	.085	.03	3	16	.017	5	65	68	.84	.70	.56
♦ 595—	TLC27L2IPW	TSSOP-8	-	2	.085	.03	3	16	.017	5	65	68	.84	.70	.56
♦ 595—	TLC27L2MD	SOIC-8	-	2	.085	.03	3	16	.017	5	65	68	1.45	1.22	.99
♦ 595—	TLC27L7CD	SOIC-8	-	2	.085	.03	3	16	.017	.5	65	68	1.55	1.34	1.12
595—	TLC27L7CP	PDIP-8	-	2	.085	.03	3	16	.017	.5	65	68	1.55	1.34	1.12
♦ 595—	TLC27L7ID	SOIC-8	-	2	.085	.03	3	16	.017	.5	65	68	1.65	1.45	1.24
595—	TLC27L7IP	PDIP-8	-	2	.085	.03	3	16	.017	.5	65	68	1.65	1.45	1.24
♦ 595—	TLC1078CD	SOIC-8	Low Power	2	.085	.032	1.4	16	.017	.45	70	68	4.30	3.79	3.27
595—	TLC1078CP	PDIP-8	Low Power	2	.085	.032	1.4	16	.017	.45	70	68	4.30	3.79	3.27
♦ 595—	TLC1078ID	SOIC-8	Low Power	2	.085	.032	1.4	16	.017	.45	70	68	4.52	4.07	3.61
595—	TLC1078IP	PDIP-8	Low Power	2	.085	.032	1.4	16	.017	.45	70	68	4.52	4.07	3.61
♦ 595—	TLC27M2ACD	SOIC-8	-	2	.525	.43	3	16	.28	5	65	32	.84	.70	.56
595—	TLC27M2ACP	PDIP-8	-	2	.525	.43	3	16	.28	5	65	32	.84	.70	.56
♦ 595—	TLC27M2AID	SOIC-8	-	2	.525	.43	3	16	.28	5	65	32	.87	.73	.58
595—	TLC27M2AIP	PDIP-8	-	2	.525	.43	3	16	.28	5	65	32	.87	.73	.58
♦ 595—	TLC27M2BCD	SOIC-8	-	2	.525	.43	3	16	.28	5	65	32	.87	.74	.61
595—	TLC27M2BCP	PDIP-8	-	2	.525	.43	3	16	.28	5	65	32	.87	.74	.61
♦ 595—	TLC27M2BID	SOIC-8	-	2	.525	.43	3	16	.28	5	65	32	.90	.78	.66
595—	TLC27M2BIP	PDIP-8	-	2	.525	.43	3	16	.28	5	65	32	.90	.78	.66
♦ 595—	TLC27M2CD	SOIC-8	-	2	.525	.43	3	16	.28	5	65	32	.78	.65	.52
595—	TLC27M2CP	PDIP-8	-	2	.525	.43	3	16	.28	5	65	32	.78	.65	.52
♦ 595—	TLC27M2ID	SOIC-8	-	2	.525	.43	3	16	.28	5	65	32	.84	.70	.56
595—	TLC27M2IP	PDIP-8	-	2	.525	.43	3	16	.28	5	65	32	.84	.70	.56

PRECISION OPERATIONAL AMPLIFIERS (CONT.)

♦ Surface Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Pkg.	Description	Ch	GBW (MHz)	Slew (V/us)	Vs (V) Min	Vs (V) Max	IQ / Ch (mA)	VIO (mV)	CMRR (db)	Vn (nV/rt Hz)	Price Each 1	25	100
♦ 595—	TLC27M2IPW	TSSOP-8	-	2	.525	.43	3	16	.28	5	65	32	.84	.70	.56
♦ 595—	TLC27M2MD	SOIC-8	-	2	.525	.43	3	16	.28	5	65	32	1.45	1.21	.97
♦ 595—	TLC27M7CD	SOIC-8	-	2	.525	.43	3	16	.28	.5	65	32	1.55	1.34	1.12
595—	TLC27M7CP	PDIP-8	-	2	.525	.43	3	16	.28	.5	65	32	1.55	1.34	1.12
♦ 595—	TLC27M7ID	SOIC-8	-	2	.525	.43	3	16	.28	.5	65	32	1.65	1.45	1.24
595—	TLC27M7IP	PDIP-8	-	2	.525	.43	3	16	.28	.5	65	32	1.65	1.45	1.24
595—	LT1013CP	PDIP-8	Low Power	2	1	.4	4	44	.55	.3	97	22	1.35	1.23	1.10
♦ 595—	LT1013DD	SOIC-8	Low Power	2	1	.4	4	44	.55	.8	97	22	1.29	1.16	1.03
595—	LT1013DIP	PDIP-8	Low Power	2	1	.4	4	44	.55	.8	97	22	1.44	1.28	1.12
595—	LT1013DP	PDIP-8	Low Power	2	1	.4	4	44	.55	.8	97	22	1.29	1.16	1.03
♦ 595—	TLE2022CD	SOIC-8	Low Power	2	1.7	.5	4	40	.3	.6	85	17	1.28	1.22	1.15
♦ 595—	TLC277CD	SOIC-8	Single Supply	2	1.7	3.6	3	16	1.6	.5	65	25	1.55	1.30	1.04
595—	TLC277CP	PDIP-8	Single Supply	2	1.7	3.6	3	16	1.6	.5	65	25	1.55	1.34	1.12
♦ 595—	TLC277ID	SOIC-8	Single Supply	2	1.7	3.6	3	16	1.6	.5	65	25	1.65	1.45	1.24
595—	TLC277IP	PDIP-8	Single Supply	2	1.7	3.6	3	16	1.6	.5	65	25	1.65	1.45	1.24
♦ 595—	TLC2202ACD	SOIC-14	Low Noise	2	1.9	2.5	4.6	16	1.3	.5	80	8	4.95	4.66	4.37
♦ 595—	TLC2202AID	SOIC-14	Low Noise	2	1.9	2.5	4.6	16	1.3	.5	80	8	5.20	4.97	4.74
♦ 595—	TLC2202CD	SOIC-14	Low Noise	2	1.9	2.5	4.6	16	1.3	.5	80	8	4.73	4.19	3.64
595—	TLC2202IP	PDIP-8	Low Noise	2	1.9	2.5	4.6	16	1.3	.5	80	8	4.95	4.48	4.01
♦ 595—	TL052ACD	SOIC-8	Enhanced JFET	2	3	2.7	10	30	2.8	1.5	75	19	3.83	3.71	3.59
595—	TL052ACP	PDIP-8	Enhanced JFET	2	3	2.7	10	30	2.8	1.5	75	19	3.83	3.64	3.45
♦ 595—	TL052CD	SOIC-8	Enhanced JFET	2	3	2.7	10	30	2.8	1.5	75	19	1.65	1.43	1.20
595—	TL052CP	PDIP-8	Enhanced JFET	2	3	2.7	10	30	2.8	1.5	75	19	1.65	1.43	1.20
♦ 595—	TL052ID	SOIC-8	Enhanced JFET	2	3	2.7	10	30	2.8	1.5	75	19	1.75	1.50	1.25
♦ 595—	TLC4502ACD	SOIC-8	Self-Calibrating	2	4.7	2.5	4	6	3.5	.1	90	12	3.89	3.89	3.88
♦ 595—	TLC4502AID	SOIC-8	Self-Callbrating	2	4.7	2.5	4	6	3.5	.1	90	12	4.07	3.89	3.71
♦ 595—	TLC4502AMD	SOIC-8	Self-Calibrating	2	4.7	2.5	4	6	3.5	.1	90	12	3.22	3.02	2.92
♦ 595—	TLC4502AQD	SOIC-8	Self-Calibrating	2	4.7	2.5	4	6	3.5	.1	90	12	4.07	3.51	2.94
♦ 595—	TLC4502CD	SOIC-8	Self-Calibrating	2	4.7	2.5	4	6	3.5	.1	90	12	3.69	3.27	2.84
♦ 595—	TLC4502ID	SOIC-8	Self-Calibrating	2	4.7	2.5	4	6	3.5	.1	90	12	3.89	3.52	3.14
♦ 595—	TLC4502MD	SOIC-8	Self-Calibrating	2	4.7	2.5	4	6	3.5	.05	90	12	2.50	2.46	2.41
♦ 595—	TLC072AID	SOIC-8	High Output Drive	2	10	16	4.5	16	2.5	.75	100	7	1.68	1.40	1.12
595—	TLC072AIP	PDIP-8	High Output Drive	2	10	16	4.5	16	2.5	.75	100	7	1.68	1.40	1.12
♦ 595—	TLC072CD	SOIC-8	High Output Drive	2	10	16	4.5	16	2.5	.75	100	7	1.53	1.28	1.02
595—	TLC072CP	PDIP-8	High Output Drive	2	10	16	4.5	16	2.5	.75	100	7	1.53	1.28	1.02
595—	TLC072IP	PDIP-8	High Output Drive	2	10	16	4.5	16	2.5	.75	100	7	1.60	1.34	1.07
♦ 595—	TLC073AID	SOIC-14	High Output Drive	2	10	16	4.5	16	2.5	.75	100	7	1.83	1.53	1.22
♦ 595—	TLC073CD	SOIC-14	High Output Drive	2	10	16	4.5	16	2.5	.75	100	7	1.68	1.40	1.12
595—	TLC073CN	PDIP-14	High Output Drive	2	10	16	4.5	16	2.5	.75	100	7	1.68	1.40	1.12
♦ 595—	TLC073ID	SOIC-14	High Output Drive	2	10	16	4.5	16	2.5	.75	100	7	1.75	1.46	1.17
595—	TLC073IN	PDIP-14	High Output Drive	2	10	16	4.5	16	2.5	.75	100	7	1.75	1.46	1.17
595—	TLC082AIP	PDIP-8	High Output Drive	2	10	16	4.5	16	2.5	.75	100	8.5	1.68	1.40	1.12
♦ 595—	TLC082CD	SOIC-8	High Output Drive	2	10	16	4.5	16	2.5	.75	100	8.5	1.53	1.28	1.02
595—	TLC082CP	PDIP-8	High Output Drive	2	10	16	4.5	16	2.5	.75	100	8.5	1.53	1.28	1.02
595—	TLC082IP	PDIP-8	High Output Drive	2	10	16	4.5	16	2.5	.75	100	8.5	1.60	1.34	1.07
♦ 595—	TLC083AID	SOIC-14	With Shutdown	2	10	16	4.5	16	2.5	.75	100	8.5	1.83	1.53	1.22
595—	TLC083AIN	PDIP-14	With Shutdown	2	10	16	4.5	16	2.5	.75	100	8.5	1.83	1.53	1.22
♦ 595—	TLC083CD	SOIC-14	With Shutdown	2	10	16	4.5	16	2.5	.75	100	8.5	1.68	1.40	1.12
595—	TLC083CN	PDIP-14	With Shutdown	2	10	16	4.5	16	2.5	.75	100	8.5	1.68	1.40	1.12
♦ 595—	TLC083ID	SOIC-14	With Shutdown	2	10	16	4.5	16	2.5	.75	100	8.5	1.75	1.46	1.17
♦ 595—	TLC083IDGQ	MSOP-10	With Shutdown	2	10	16	4.5	16	2.5	.75	100	8.5	1.75	1.43	1.10
595—	TLC083IN	PDIP-14	With Shutdown	2	10	16	4.5	16	2.5	.75	100	8.5	1.75	1.46	1.17
♦ 595—	TLC27L4ACD	SOIC-14	-	4	.085	.03	3	16	.017	5	65	70	.99	.83	.66
595—	TLC27L4ACN	PDIP-14	-	4	.085	.03	3	16	.017	5	65	70	.99	.83	.66
♦ 595—	TLC27L4AID	SOIC-14	-	4	.085	.03	3	16	.017	5	65	70	1.05	.88	.70
595—	TLC27L4AIN	PDIP-14	-	4	.085	.03	3	16	.017	5	65	70	1.05	.88	.70
♦ 595—	TLC27L4BCD	SOIC-14	-	4	.085	.03	3	16	.017	5	65	70	1.05	.89	.72
595—	TLC27L4BCN	PDIP-14	-	4	.085	.03	3	16	.017	5	65	70	1.05	.89	.72
♦ 595—	TLC27L4BID	SOIC-14	-	4	.085	.03	3	16	.017	5	65	70	1.08	.93	.77
595—	TLC27L4BIN	PDIP-14	-	4	.085	.03	3	16	.017	5	65	70	1.08	.93	.77
♦ 595—	TLC27L4CD	SOIC-14	-	4	.085	.03	3	16	.017	5	65	70	.96	.80	.64
595—	TLC27L4CN	PDIP-14	-	4	.085	.03	3	16	.017	5	65	70	.96	.80	.64
♦ 595—	TLC27L4ID	SOIC-14	-	4	.085	.03	3	16	.017	5	65	70	.99	.83	.66
595—	TLC27L4IN	PDIP-14	-	4	.085	.03	3	16	.017	5	65	70	.99	.83	.66
♦ 595—	TLC27L4IPW	TSSOP-14	-	4	.085	.03	3	16	.017	5	65	70	.99	.83	.66
♦ 595—	TLC27L9CD	SOIC-14	-	4	.085	.03	3	16	.017	.9	65	70	2.18	1.88	1.57
595—	TLC27L9CN	PDIP-14	-	4	.085	.03	3	16	.017	.9	65	70	2.18	1.88	1.57
♦ 595—	TLC27L9ID	SOIC-14	-	4	.085	.03	3	16	.017	.9	65	70	2.28	2.01	1.74
595—	TLC27L9IN	PDIP-14	-	4	.085	.03	3	16	.017	.9	65	70	2.28	2.01	1.74
♦ 595—	TLC1079CD	SOIC-14	Low Power	4	.085	.032	1.4	16	.017	.45	70	68	5.34	4.96	4.57
595—	TLC1079CN	PDIP-14	Low Power	4	.085	.032	1.4	16	.017	.45	70	68	5.34	4.96	4.57
♦ 595—	TLC1079ID	SOIC-14	Low Power	4	.085	.032	1.4	16	.017	.45	70	68	5.60	5.32	5.04
595—	TLC1079IN	PDIP-14	Low Power	4	.085	.032	1.4	16	.017	.45	70	68	5.60	5.32	5.04
♦ 595—	TLC27M4ACD	SOIC-14	-	4	.525	.43	3	16	.28	5	65	32	.99	.83	.66
595—	TLC27M4ACN	PDIP-14	-	4	.525	.43	3	16	.28	5	65	32	.99	.83	.66
♦ 595—	TLC27M4AID	SOIC-14	-	4	.525	.43	3	16	.28	5	65	32	1.05	.88	.70
595—	TLC27M4CN	PDIP-14	-	4	.525	.43	3	16	.28	5	65	32	.96	.80	.64
♦ 595—	TLC27M4ID	SOIC-14	-	4	.525	.43	3	16	.28	5	65	32	.99	.83	.66
595—	TLC27M4IN	PDIP-14	-	4	.525	.43	3	16	.28	5	65	32	.99	.83	.66
♦ 595—	TLC27M9CD	SOIC-14	-	4	.525	.43	3	16	.28	.9	65	32	2.18	1.88	1.57
595—	TLC27M9CN	PDIP-14	-	4	.525	.43	3	16	.28	.9	65	32	2.18	1.88	1.57
♦ 595—	TLC27M9ID	SOIC-14	-	4	.525	.43	3	16	.28	.9	65	32	2.28	2.01	1.74
595—	TLC27M9IN	PDIP-14	-	4	.525	.43	3	16	.28	.9	65	32	2.28	2.01	1.74

TEXAS INSTRUMENTS Amplifiers

PRECISION OPERATIONAL AMPLIFIERS (CONT.)

♦ Surface Mount

For quantities of 250 and up, call for quote

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Pkg.	Description	Ch	GBW (MHz)	Slew (V/us)	Vs (V) Min	Vs (V) Max	IQ / Ch (mA)	VIO (mV)	CMRR (db)	Vn (nV/rt Hz)	Price Each 1	Price Each 25	Price Each 100
595	TLC27M4AIN	PDIP-14	-	4	.53	.43	3	16	.28	5	65	32	1.05	.88	.70
♦595	TLC27M4BCD	SOIC-14	-	4	.53	.43	3	16	.28	5	65	32	1.26	1.05	.84
595	TLC27M4BCN	PDIP-14	-	4	.53	.43	3	16	.28	5	65	32	1.26	1.05	.84
♦595	TLC27M4BID	SOIC-14	-	4	.53	.43	3	16	.28	5	65	32	1.32	1.10	.88
595	TLC27M4BIN	PDIP-14	-	4	.53	.43	3	16	.28	5	65	32	1.32	1.10	.88
♦595	TLC27M4CD	SOIC-14	-	4	.53	.43	3	16	.28	5	65	32	.96	.80	.64
♦595	LT1014DIDW	SOIC-16	-	4	1	.4	5	44	.55	.8	97	22	5.22	4.77	4.31
595	LT1014DN	PDIP-14	-	4	1	.4	5	44	.55	.8	97	22	4.14	3.53	2.92
♦595	TLC279CD	SOIC-14	Single Supply	4	1.7	3.6	3	16	1.6	.9	65	25	2.18	1.88	1.57
595	TLC279CN	PDIP-14	Single Supply	4	1.7	3.6	3	16	1.6	.9	65	25	2.18	1.88	1.57
♦595	TLC279ID	SOIC-14	Single Supply	4	1.7	3.6	3	16	1.6	.9	65	25	2.28	2.01	1.74
595	TLC279IN	PDIP-14	Single Supply	4	1.7	3.6	3	16	1.6	.9	65	25	2.28	2.01	1.74
♦595	TL054ACD	SOIC-14	Enhanced JFET	4	2.7	17.8	10	30	2.8	4	75	21	5.40	5.04	4.68
595	TL054ACN	PDIP-14	Enhanced JFET	4	2.7	17.8	10	30	2.8	4	75	21	5.40	5.04	4.68
♦595	TL054CD	SOIC-14	Enhanced JFET	4	2.7	17.8	10	30	2.8	4	75	21	1.80	1.56	1.32
595	TL054CN	PDIP-14	Enhanced JFET	4	2.7	17.8	10	30	2.8	4	75	21	1.80	1.56	1.32
♦595	TLC074AID	SOIC-14	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.33	1.94	1.55
595	TLC074AIN	PDIP-14	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.33	1.94	1.55
♦595	TLC074AIPWP	TSSOP-20	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.43	1.99	1.55
♦595	TLC074CD	SOIC-14	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.13	1.78	1.42
595	TLC074CN	PDIP-14	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.13	1.78	1.42
595	TLC074IN	PDIP-14	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.23	1.86	1.49
♦595	TLC074IPWP	TSSOP-20	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.33	1.90	1.47
♦595	TLC075AID	SOIC-16	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.27	1.99	1.71
595	TLC075AIN	PDIP-16	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.27	1.99	1.71
♦595	TLC075AIPWP	TSSOP-20	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.39	2.04	1.68
♦595	TLC075CD	SOIC-16	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.33	1.94	1.55
595	TLC075CN	PDIP-16	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.33	1.94	1.55
♦595	TLC075CPWP	TSSOP-20	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.43	1.99	1.55
595	TLC075IN	PDIP-16	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.43	2.04	1.64
♦595	TLC075IPWP	TSSOP-20	High Output Drive	4	10	16	4.5	16	2.5	.75	100	7	2.27	1.95	1.62
♦595	TLC084AID	SOIC-14	High Output Drive	4	10	16	4.5	16	2.5	1.75	100	8.5	2.33	1.94	1.55
595	TLC084AIN	PDIP-14	High Output Drive	4	10	16	4.5	16	2.5	1.75	100	8.5	2.33	1.94	1.55
♦595	TLC084AIPWP	TSSOP-20	High Output Drive	4	10	16	4.5	16	2.5	1.75	100	8.5	2.43	1.99	1.55
♦595	TLC084CD	SOIC-14	High Output Drive	4	10	16	4.5	16	2.5	1.75	100	8.5	2.13	1.78	1.42
595	TLC084CN	PDIP-14	High Output Drive	4	10	16	4.5	16	2.5	1.75	100	8.5	2.13	1.78	1.42
♦595	TLC084CPWP	TSSOP-20	High Output Drive	4	10	16	4.5	16	2.5	1.75	100	8.5	2.23	1.83	1.42
♦595	TLC084ID	SOIC-14	High Output Drive	4	10	16	4.5	16	2.5	1.75	100	8.5	2.23	1.86	1.49
♦595	TLC084IPWP	TSSOP-20	High Output Drive	4	10	16	4.5	16	2.5	1.75	100	8.5	2.33	1.90	1.47
♦595	TLC085AID	SOIC-16	High Output Drive	4	10	16	4.5	16	2.5	.75	100	8.5	2.27	1.99	1.71
595	TLC085AIN	PDIP-16	High Output Drive	4	10	16	4.5	16	2.5	.75	100	8.5	2.27	1.99	1.71
♦595	TLC085AIPWP	TSSOP-20	High Output Drive	4	10	16	4.5	16	2.5	.75	100	8.5	2.39	2.04	1.68
♦595	TLC085CD	SOIC-16	High Output Drive	4	10	16	4.5	16	2.5	.75	100	8.5	2.33	1.94	1.55
595	TLC085CN	PDIP-16	High Output Drive	4	10	16	4.5	16	2.5	.75	100	8.5	2.33	1.94	1.55
♦595	TLC085CPWP	TSSOP-20	High Output Drive	4	10	16	4.5	16	2.5	.75	100	8.5	2.43	1.99	1.55
595	TLC085IN	PDIP-16	High Output Drive	4	10	16	4.5	16	2.5	.75	100	8.5	2.43	2.04	1.64
♦595	TLC085IPWP	TSSOP-20	High Output Drive	4	10	16	4.5	16	2.5	.75	100	8.5	2.27	1.95	1.62

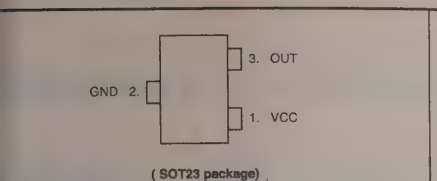
♦ Surface Mount

AUDIO POWER AMPS

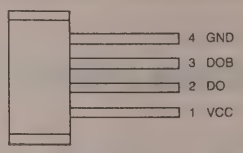
For quantities of 250 and up, call for quote

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Pkg.	Ch	Vs (V) (max.)	Vs (V) (min.)	IQ / Ch (mA)	GBW (MHz)	VIO (mV)	CMRR (db)	Vn (nV/rt Hz)	Price Each 1	Price Each 25	Price Each 100
♦ 595	TPA005D12DCA	TSSOP-48	2	5.5	4.5	.2	40	12.5	.2	8.91	9.62	9.28	8.94
♦ 595	TPA005D14DCA	TSSOP-48	2	5.5	4.5	.2	40	12.5	.2	9.9	1.69	1.31	9.92
♦ 595	TPA032D01DCA	HTSSOP-48	10	14	8	.5	40	35	20	8.85	8.29	8.00	7.70
♦ 595	TPA032D02DCA	TSSOP-48	10	14	8	.5	40	12.5	20	1.21	9.57	9.23	8.88
♦ 595	TPA032D03DCA	HTSSOP-48	10	14	8	.5	40	12.5	20	9.7	9.08	8.75	8.43
♦ 595	TPA032D04DCA	HTSSOP-48	10	14	8	.5	40	12.5	20	8.88	9.99	9.63	9.27
♦ 595	TPA102DGN	MSOP-8	.15	5.5	2.5	.05	76	.75	60	1.95	1.32	1.32	1.32
♦ 595	TPA112D	SOP-8	.15	5.5	2.5	.05	76	.75	-	1.54	1.12	1.08	1.04
♦ 595	TPA112DGN	MSOP-8	.15	5.5	2.5	.05	76	.75	-	1.78	1.23	1.22	1.20
♦ 595	TPA122D	SOP-8	.15	5.5	2.5	.05	76	.75	60	1.69	1.24	1.19	1.15
♦ 595	TPA122DGN	MSOP-8	.15	5.5	2.5	.05	76	.75	60	1.95	1.32	1.32	1.32
♦ 595	TPA152D	SOP-8	.075	5.5	4.5	.02	81	2.8	-	1.8	1.44	1.33	1.21
♦ 595	TPA301D	SOP-8	.35	5.5	2.5	.3	78	.7	.15	1.26	.84	.78	.71
♦ 595	TPA301DGN	MSOP-8	.35	5.5	2.5	.3	78	.7	.15	1.31	1.11	1.00	.89
♦ 595	TPA302D	SOP-8	.3	5.5	2.7	.08	65	2	.6	2.36	2.38	1.99	1.59
♦ 595	TPA311D	SOP-8	.35	5.5	2.5	.3	78	.7	7	1.26	.84	.80	.75
♦ 595	TPA311DGN	MSOP-8	.35	5.5	2.5	.3	78	.7	7	1.31	1.11	1.02	.93
♦ 595	TPA321D	SOP-8	.35	5.5	2.5	.3	78	.7	.15	1.26	.84	.80	.75
♦ 595	TPA4860D	SOP-16	1	5.5	2.7	.3	75	3.5	.3	2.87	2.31	2.23	2.15
♦ 595	TPA4861D	SOP-8	1	5.5	2.7	.3	75	3.5	.6	2.87	2.31	2.23	2.15
♦ 595	TPA701D	SOP-8	.7	5.5	2.5	.2	85	1.25	.0015	1.42	1.17	1.01	.84
♦ 595	TPA701DGN	MSOP-8	.7	5.5	2.5	.2	85	1.25	.0015	1.42	1.44	1.23	1.01
♦ 595	TPA711D	SOP-8	.7	5.5	2.5	.2	85	1.25	7	1.42	1.17	1.01	.84
♦ 595	TPA721D	SOP-8	.7	5.5	2.5	.2	85	1.25	7	1.42	1.17	1.01	.84
♦ 595	TPA731D	SOP-8	.7	5.5	2.5	.2	78	1.25	.0015	1.42	1.17	1.01	.84
♦ 595	TPA741D	SOP-8	.7	5.5	2.5	.2	85	1.35	7	1.42	1.17	1.01	.84
♦ 595	TPA0102PWP	TSSOP-24	1.5	5.5	3	.05	75	10	5	4.19	5.68	4.76	3.84
♦ 595	TPA0103PWP	TSSOP-24	1.75	5.5	3	.05	75	10	5	4.19	5.68	4.76	3.84
♦ 595	TPA0112PWP	TSSOP-24	2	5.5	4.5	.75	77	3	150	3.31	2.99	2.88	2.77
♦ 595	TPA0122PWP	TSSOP-24	2	5.5	4.5	.5	77	9	150	3.31	2.99	2.88	2.77

ANACHIP Hall Effect Sensors and Shunt Regulators



(SOT23 package)



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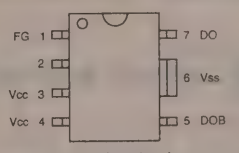
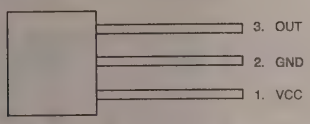
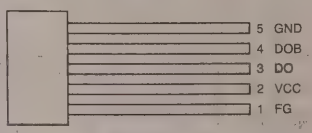


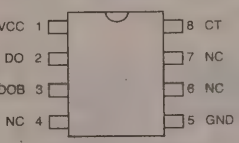
(SOP-7L package)



(SIP3 package)



(SIP5 package)



(SOP-8L package)

ALL EFFECT SENSORS FOR DC FANS AND CONTACTLESS SWITCHES

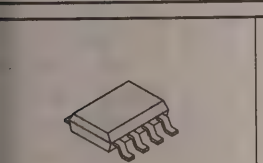
chip Hall Effect Sensors for DC Fans provide a wide range of options dealing with speed monitoring, and control.
chip Hall Effect Sensor ATS137 is for contactless switch applications.

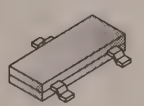
tures:

ide temperature range
ide input voltage range
mall packaging to save on board space

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Anachip Part No.	Package	Type	Output	Application	Supply Voltage (VDC)	I/O (mA)	Operating Temperature	Price Each 1	25	100	250
811-ATS137P	ATS137P	SIP-3	Unipolar	Single	Contactless Switch	3.5V - 20V	25	-20°C to +85°C	1.93	1.65	1.38	1.10
811-ATS137W	ATS137W	SOT-23	Unipolar	Single	Contactless Switch	3.5V - 20V	25	-20°C to +85°C	1.93	1.65	1.38	1.10
811-AH172P	AH172P	SIP-3	Latching	Single	Brushless DC fan	3V - 20V	25	-40°C to +125°C	1.93	1.65	1.38	1.10
811-ATS172W	ATS172W	SOT-23	Latching	Single	Brushless DC fan	3V - 20V	25	-40°C to +125°C	1.93	1.65	1.38	1.10
811-AH173P	AH173P	SIP-3	Latching	Single	Brushless DC fan	3V - 20V	25	-40°C to +125°C	1.93	1.65	1.38	1.10
811-AH173WA	AH173WA	SOT-23	Latching	Single	Brushless DC fan	3V - 20V	25	-40°C to +125°C	1.93	1.65	1.38	1.10
811-AH174P	AH174P	SIP-3	Latching	Single	Brushless DC fan	3.5V - 20V	25	-40°C to +125°C	1.93	1.65	1.38	1.10
811-AH174WA	AH174WA	SOT-23	Latching	Single	Brushless DC fan	3.5V - 20V	25	-40°C to +125°C	1.93	1.65	1.38	1.10
811-AH175P	AH175P	SIP-3	Latching	Single	Brushless DC fan	3.5V - 20V	25	-40°C to +125°C	1.93	1.65	1.38	1.10
811-ATS175W	ATS175W	SOT-23	Latching	Single	Brushless DC fan	3.5V - 20V	25	-40°C to +125°C	1.93	1.65	1.38	1.10
811-ATS177W	ATS177W	SOT-23	Latching	Single	Brushless DC fan	3.5V - 20V	25	-20°C to +85°C	1.75	1.50	1.25	1.00
811-AH177PL	AH177PL	SIP-3	Latching	Single	Brushless DC fan	3.5V - 20V	25	-20°C to +85°C	1.75	1.50	1.25	1.00
811-AH266SK	AH266SK	SIP-4	Latching	Complementary	Dual-Coil DC fan	4V - 28V	400	-20°C to +85°C	1.93	1.65	1.38	1.10
811-ATS276	ATS276	SIP-4	Latching	Complementary	Dual-Coil DC fan	3.5V - 20V	400	-20°C to +85°C	1.37	1.17	.98	.78
811-ATS277	ATS277	SIP-4	Latching	Complementary	Dual-Coil DC fan	3.5V - 20V	400	-20°C to +85°C	1.37	1.17	.98	.78
811-ATS278	ATS278	SIP-5	Latching	Complementary	Dual-Coil DC fan	3.5V - 20V	400	-20°C to +85°C	1.75	1.50	1.25	1.00
811-ATS477P	ATS477P	SIP-4	Latching	Complementary	Single-Coil DC fan	4.0V - 20V	250	0°C to +70°C	1.75	1.50	1.25	1.00
811-ATS477S	ATS477S	SOP-7	Latching	Complementary	Single-Coil DC fan	4.0V - 20V	250	0°C to +70°C	1.75	1.50	1.25	1.00
811-AH280P	AH280P	SIP-5	Smart Fan Driver		Dual-Coil DC fan	3.5V - 20V	500	-20°C to +85°C	1.75	1.50	1.25	1.00
811-ATS280S	ATS280S	SOP-8	Smart Fan Driver		Dual-Coil DC fan	3.5V - 20V	500	-20°C to +85°C	1.75	1.50	1.25	1.00


SOP-8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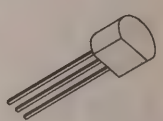
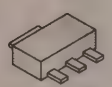

TO-92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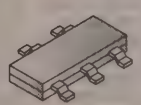

SOT-25

PRECISION SHUNT REGULATORS - ADJUSTABLE

atures:

Precision reference voltage
Sink current capability 200mA
Fast turn-on response
- Low dynamic output impedance 0.2Ω
- Programmable output voltage 20V(AP432), 36V(AP431)
- Low output noise

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Anachip Part No.	Package	Output Voltage Range MIN (V)	MAX (V)	Output Current	Accuracy (%)	Power Dissipation	Operating Temperature	Price Each 1	25	100	250
811-AP431	AP431	SOP-8	2.495	36	250mA	1.0	600mW	-20°C to +85°C	.63	.54	.45	.36
811-AP431A	AP431A	SOP-8	2.495	36	250mA	0.5	600mW	-20°C to +85°C	.81	.69	.58	.46
811-AP431R	AP431R	SOT-23	2.495	36	250mA	1.0	230mW	-20°C to +85°C	.42	.36	.30	.24
811-AP431AR	AP431AR	SOT-23	2.495	36	250mA	0.5	230mW	-20°C to +85°C	.67	.57	.48	.38
811-AP431V	AP431V	TO-92	2.495	36	250mA	1.0	780mW	-20°C to +85°C	.39	.33	.28	.22
811-AP431AV	AP431AV	TO-92	2.495	36	250mA	0.5	780mW	-20°C to +85°C	.70	.60	.50	.40
811-AP431W	AP431W	SOT-23	2.495	36	250mA	1.0	230mW	-20°C to +85°C	.67	.57	.48	.38
811-AP431AW	AP431AW	SOT-23	2.495	36	250mA	0.5	230mW	-20°C to +85°C	.67	.57	.48	.38
811-AP431Y	AP431Y	SOT-89	2.495	36	250mA	1.0	800mW	-20°C to +85°C	.67	.57	.48	.38
811-AP431AY	AP431AY	SOT-89	2.495	36	250mA	0.5	800mW	-20°C to +85°C	.70	.60	.50	.40
811-AP431Q	AP431Q	SOT-25	2.495	36	250mA	1.0	230mW	-20°C to +85°C	.88	.75	.63	.50
811-AP431AQ	AP431AQ	SOT-25	2.495	36	250mA	0.5	230mW	-20°C to +85°C	.84	.72	.60	.48
811-AP432R	AP432R	SOT-23	1.24	20	250mA	1.0	230mW	-20°C to +85°C	.84	.72	.60	.48
811-AP432AR	AP432AR	SOT-23	1.24	20	250mA	0.5	230mW	-20°C to +85°C	.88	.75	.63	.50
811-AP432V	AP432V	TO-92	1.24	20	250mA	1.0	780mW	-20°C to +85°C	.77	.66	.55	.44
811-AP432AV	AP432AV	TO-92	1.24	20	250mA	0.5	780mW	-20°C to +85°C	.88	.75	.63	.50
811-AP432W	AP432W	SOT-23	1.24	20	250mA	1.0	230mW	-20°C to +85°C	.88	.75	.63	.50
811-AP432AW	AP432AW	SOT-23	1.24	20	250mA	0.5	230mW	-20°C to +85°C	.98	.84	.70	.56
811-AP432Y	AP432Y	SOT-89	1.24	20	250mA	1.0	800mW	-20°C to +85°C	.88	.75	.63	.50
811-AP432AY	AP432AY	SOT-89	1.24	20	250mA	0.5	800mW	-20°C to +85°C	.98	.84	.70	.56

FAIRCHILD Voltage Regulators

FAIRCHILD SEMICONDUCTOR

GENERAL PURPOSE VOLTAGE REGULATOR

For quantities of 500 and up, call for quot

MOUSER STOCK NO.	Fairchild Part No.	Package	No. of Outputs	Output Level	Output Voltage Typ.V	Tolerance (+/-)	Input Voltage Max V	ADJ Output Voltage		Output Current Typ. A	Voltage Drop Max V	Price Each			
								Min V	Max V			1	25	100	250
512-KA7905ATU	KA7905ATU	TO-220	1	Negative	5	2	35	-	-	1	2	.55	.46	.33	.26
512-KA79L05AZTA	KA79L05AZTA	TO-92	1	Negative	5	5	30	-	-	0.1	1.7	.38	.32	.23	.18
512-KA79M05TU	KA79M05TU	TO-220	1	Negative	5	-	35	-	-	0.5	2	.53	.44	.31	.25
512-KA79M05RTF	KA79M05RTF	TO-252	1	Negative	5	-	35	-	-	0.5	2	.80	.67	.48	.38
512-LM7905CT	LM7905CT	TO-220	1	Negative	5	4	35	-	-	1	2	.48	.40	.35	.29
512-LM79L05ACZX	LM79L05ACZX	TO-92	1	Negative	5	5	30	-	-	0.1	1.7	.27	.23	.20	.16
512-MC7905CT	MC7905CT	TO-220	1	Negative	5	4	35	-	-	1	2	.36	.30	.24	.20
512-KA7906TU	KA7906TU	TO-220	1	Negative	6	4	35	-	-	1	2	.60	.45	.37	.22
512-KA79M06TU	KA79M06TU	TO-220	1	Negative	6	-	35	-	-	0.5	2	.55	.46	.33	.26
512-MC7906CT	MC7906CT	TO-220	1	Negative	6	4	35	-	-	1	2	.38	.32	.25	.21
512-KA7908TU	KA7908TU	TO-220	1	Negative	8	4	35	-	-	1	2	.60	.45	.37	.22
512-KA79L08AZTA	KA79L08AZTA	TO-92	1	Negative	8	5	30	-	-	0.1	1.7	.38	.32	.23	.18
512-KA79M08TU	KA79M08TU	TO-220	1	Negative	8	-	35	-	-	0.5	2	.55	.46	.33	.26
512-KA79M08RTF	KA79M08RTF	TO-252	1	Negative	8	-	35	-	-	0.5	2	.80	.67	.48	.38
512-MC7908CT	MC7908CT	TO-220	1	Negative	8	4	35	-	-	1	2	.37	.31	.25	.21
512-KA7912ATU	KA7912ATU	TO-220	1	Negative	12	2	35	-	-	1	2	.55	.46	.33	.26
512-KA79L12AZTA	KA79L12AZTA	TO-92	1	Negative	12	5	35	-	-	0.1	1.7	.38	.32	.23	.18
512-KA79M12TU	KA79M12TU	TO-220	1	Negative	12	-	35	-	-	0.5	2	.55	.46	.33	.26
512-KA79M12RTF	KA79M12RTF	TO-252	1	Negative	12	-	35	-	-	0.5	2	.80	.67	.48	.38
512-MC7912CT	MC7912CT	TO-220	1	Negative	12	4	35	-	-	1	2	.36	.30	.24	.20
512-KA7915ATU	KA7915ATU	TO-220	1	Negative	15	2	35	-	-	1	2	.55	.46	.33	.26
512-KA79L15AZTA	KA79L15AZTA	TO-92	1	Negative	15	5	35	-	-	0.1	1.7	.38	.32	.23	.18
512-KA79M15TU	KA79M15TU	TO-220	1	Negative	15	-	35	-	-	0.5	2	.55	.46	.33	.26
512-MC7915CT	MC7915CT	TO-220	1	Negative	15	4	35	-	-	1	2	.37	.31	.25	.21
512-KA7918TU	KA7918TU	TO-220	1	Negative	18	4	35	-	-	1	2	.53	.44	.31	.25
512-MC7918CT	MC7918CT	TO-220	1	Negative	18	4	35	-	-	1	2	.38	.32	.25	.21
512-KA7924TU	KA7924TU	TO-220	1	Negative	24	4	35	-	-	1	2	.53	.44	.31	.25
512-KA79L24AZTA	KA79L24AZTA	TO-92	1	Negative	24	5	40	-	-	0.1	1.7	.38	.32	.23	.18
512-KA79M24TU	KA79M24TU	TO-220	1	Negative	24	-	40	-	-	0.5	2	.55	.46	.33	.26
512-MC7924CT	MC7924CT	TO-220	1	Negative	24	4	35	-	-	1	2	.38	.32	.25	.21
512-KA337TU	KA337TU	TO-220	1	Negative	ADJ	-	40	1.2	37	1.5	3	.97	.81	.58	.46
512-LM337T	LM337T	TO-220	1	Negative	ADJ	-	40	1.2	37	1.5	3	.61	.51	.45	.37
512-KA7632	KA7632	SIP-10	3	Positive	3.3	2	20	-	-	0.5	2.5	1.89	1.58	1.13	.90
512-KA7805RTF	KA7805RTF	TO-252	1	Positive	5	4	35	-	-	1	2	.76	.63	.45	.36
512-KA7805ATU	KA7805ATU	TO-220	1	Positive	5	2	35	-	-	1	2	.53	.44	.31	.25
512-KA78M05TU	KA78M05TU	TO-220	1	Positive	5	-	35	-	-	0.5	2	.55	.46	.33	.26
512-KA78T05TU	KA78T05TU	TO-220	1	Positive	5	4	35	-	-	3	2.2	1.64	1.37	.98	.78
512-LM7805CT	LM7805CT	TO-220	1	Positive	5	4	35	-	-	1	2	.36	.30	.26	.22
512-LM78L05ACZX	LM78L05ACZX	TO-92	1	Positive	5	5	30	-	-	0.1	1.7	.27	.23	.20	.16
512-LM78M05CT	LM78M05CT	TO-220	1	Positive	5	-	35	-	-	0.5	2	.48	.40	.35	.29
512-MC7805CDTXM	MC7805CDTXM	TO-252	1	Positive	5	4	35	-	-	1	2	.59	.49	.35	.28
512-MC78M05CDTX	MC78M05CDTX	TO-252	1	Positive	5	-	35	-	-	0.5	2	.54	.45	.36	.31
512-MC78M05CT	MC78M05CT	TO-220	1	Positive	5	-	35	-	-	0.5	2	.36	.30	.24	.20
512-MC78T05CT	MC78T05CT	TO-220	1	Positive	5	4	35	-	-	3	2.2	1.37	1.16	.94	.81
512-KA7630	KA7630	SIP-10	3	Positive	5.1	2	20	-	-	0.5	2.5	1.89	1.58	1.13	.90
512-KA7631	KA7631	SIP-10	3	Positive	5.1	2	20	-	-	0.5	2.5	1.89	1.58	1.13	.90
512-KA7806TU	KA7806TU	TO-220	1	Positive	6	4	35	-	-	1	2	.50	.46	.39	.33
512-KA7806ATU	KA7806ATU	TO-220	1	Positive	6	2	35	-	-	1	2	.55	.46	.33	.26
512-KA78M06TU	KA78M06TU	TO-220	1	Positive	6	-	35	-	-	0.5	2	.55	.46	.33	.26
512-KA78M06RTF	KA78M06RTF	TO-252	1	Positive	6	-	35	-	-	0.5	2	.76	.63	.45	.36
512-MC7806CDTXM	MC7806CDTXM	TO-252	1	Positive	6	4	35	-	-	1	2	.61	.51	.36	.29
512-MC7806CT	MC7806CT	TO-220	1	Positive	6	4	35	-	-	1	2	.36	.30	.24	.20
512-MC78M06CT	MC78M06CT	TO-220	1	Positive	6	-	35	-	-	0.5	2	.38	.32	.25	.21
512-KA7808ATU	KA7808ATU	TO-220	1	Positive	8	2	35	-	-	1	2	.55	.46	.33	.26
512-KA78M08TU	KA78M08TU	TO-220	1	Positive	8	-	35	-	-	0.5	2	.55	.46	.33	.26
512-KA78M08RTF	512-KA78M08RTF	TO-252	1	Positive	8	-	35	-	-	0.5	2	.76	.63	.45	.36
512-MC7808CT	512-MC7808CT	TO-220	1	Positive	8	4	35	-	-	1	2	.38	.32	.25	.21
512-MC78M08CDTXM	MC78M08CDTXM	TO-252	1	Positive	8	-	35	-	-	0.5	2	.68	.57	.46	.39
512-MC78M08CT	MC78M08CT	TO-220	1	Positive	8	-	35	-	-	0.5	2	.38	.32	.25	.21
512-KA7809TU	KA7809TU	TO-220	1	Positive	9	4	35	-	-	1	2	.55	.46	.33	.26
512-KA7809RTF	KA7809RTF	TO-252	1	Positive	9	4	35	-	-	1	2	.80	.67	.48	.38
512-MC7809CDTXM	MC7809CDTXM	TO-252	1	Positive	9	4	35	-	-	1	2	.68	.57	.46	.39
512-MC7809CT	MC7809CT	TO-220	1	Positive	9	4	35	-	-	1	2	.38	.32	.25	.21
512-KA7810TU	KA7810TU	TO-220	1	Positive	10	4	35	-	-	1	2	.55	.46	.33	.26
512-KA7812ATU	KA7812ATU	TO-220	1	Positive	12	2	35	-	-	1	2	.55	.46	.33	.26
512-KA78M12TU	KA78M12TU	TO-220	1	Positive	12	-	35	-	-	0.5	2	.55	.46	.33	.26
512-KA78M12RTF	KA78M12RTF	TO-252	1	Positive	12	-	35	-	-	0.5	2	.76	.63	.45	.36
512-KA78T12TU	KA78T12TU	TO-220	1	Positive	12	4	35	-	-	3	2.2	1.41	1.18	.86	.69
512-LM78L12ACZX	LM78L12ACZX	TO-92	1	Positive	12	5	35	-	-	0.1	1.7	.27	.23	.20	.16
512-MC7812CT	MC7812CT	TO-220	1	Positive	12	4	35	-	-	1	2	.38	.32	.25	.21
512-MC78M12CDTXM	MC78M12CDTXM	TO-252	1	Positive	12	-	35	-	-	0.5	2	.68	.57	.46	.39
512-MC78M12CT	MC78M12CT	TO-220	1	Positive	12	-	35	-	-	0.5	2	.38	.32	.25	.21
512-MC78T12CT	MC78T12CT	TO-220	1	Positive	12	4	35	-	-	3	2.2	1.17	.98	.78	.66
512-KA7815ATU	KA7815ATU	TO-220	1	Positive	15	2	35	-	-	1	2	.55	.46	.33	.26
512-KA78M15TU	KA78M15TU	TO-220	1	Positive	15	-	35	-	-	0.5	2	.55	.46	.33	.26
512-KA78T15TU	KA78T15TU	TO-220	1	Positive	15	4	40	-	-	3	2.2	1.64	1.37	.98	.78

♦ Surface Mount Device

FAIRCHILD SEMICONDUCTOR GENERAL PURPOSE VOLTAGE REGULATOR (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	No. of Outputs	Output Level	Output Voltage Typ.V	Tolerance (+/-)	Input Voltage Max V	ADJ Output Voltage		Output Current Typ. A	Voltage Drop Max V	Price Each			
								Min V	Max V			1	25	100	250
512-MC7815CT	512-MC7815CT	TO-220	1	Positive	15	4	35	-	-	1	2	.38	.32	.25	.21
512-MC78M15CT	512-MC78M15CT	TO-220	1	Positive	15	-	35	-	-	0.5	2	.36	.30	.24	.20
512-MC78T15CT	512-MC78T15CT	TO-220	1	Positive	15	4	40	-	-	3	2.2	1.17	.98	.78	.66
512-KA7818ATU	512-KA7818ATU	TO-220	1	Positive	18	2	35	-	-	1	2	.55	.46	.33	.26
512-KA78M18TU	512-KA78M18TU	TO-220	1	Positive	18	-	35	-	-	0.5	2	.55	.46	.33	.26
512-MC7818CT	512-MC7818CT	TO-220	1	Positive	18	4	35	-	-	1	2	.36	.30	.24	.20
512-MC78M18CT	512-MC78M18CT	TO-220	1	Positive	18	-	35	-	-	0.5	2	.38	.32	.25	.21
512-KA7824TU	512-KA7824TU	TO-220	1	Positive	24	4	40	-	-	1	2	.55	.46	.33	.26
512-KA7824ATU	512-KA7824ATU	TO-220	1	Positive	24	2	40	-	-	1	2	.55	.46	.33	.26
512-KA78M24TU	512-KA78M24TU	TO-220	1	Positive	24	-	40	-	-	0.5	2	.55	.46	.33	.26
512-MC7824CT	512-MC7824CT	TO-220	1	Positive	24	4	40	-	-	1	2	.36	.30	.24	.20
512-MC78M24CT	512-MC78M24CT	TO-220	1	Positive	24	-	40	-	-	0.5	2	.38	.32	.25	.21
512-KA317TU	512-KA317TU	TO-220	1	Positive	ADJ	-	40	1.2	37	1.5	3	.71	.60	.43	.34
512-KA317LZTF	512-KA317LZTF	TO-92	1	Positive	ADJ	-	40	1.2	37	0.1	3	.42	.35	.25	.20
512-KA317MTU	512-KA317MTU	TO-220	1	Positive	ADJ	-	40	1.2	37	0.5	3	.80	.66	.47	.38
512-KA350TU	512-KA350TU	TO-220	1	Positive	ADJ	-	35	1.2	33	3	3	1.76	1.47	1.05	.84
512-KA723	512-KA723	DIP-14	1	Positive	ADJ	-	40	2	37	0.15	38	.93	.78	.56	.44
512-KA723DTF	512-KA723DTF	SOP-14	1	Positive	ADJ	-	40	2	37	0.15	38	.80	.67	.48	.38
512-LM317T	512-LM317T	TO-220	1	Positive	ADJ	-	40	1.2	37	1.5	3	.51	.43	.37	.31
512-LM317LM	512-LM317LM	SOIC-8	1	Positive	ADJ	-	40	1.2	37	0.1	3	.53	.44	.39	.32
512-LM317LZX	512-LM317LZX	TO-92	1	Positive	ADJ	-	40	1.2	37	0.1	3	.30	.25	.22	.18
512-LM317MDTX	512-LM317MDTX	TO-252	1	Positive	ADJ	-	40	1.2	37	0.5	3	.55	.46	.41	.33
512-LM350T	512-LM350T	TO-220	1	Positive	ADJ	-	35	1.2	33	3	3	1.53	1.29	1.14	.94

FAIRCHILD SEMICONDUCTOR LOW DROPOUT VOLTAGE REGULATORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Output Type	Preset Output Volt. Typ. V	Output Current A	Dropout Voltage (@Iout) V	Input Voltage (min) V	Input Voltage (max) V	Operating Temperature	Output Disable Function	Price Each			
											1	25	100	250
512-FAN1589MX	FAN1589MX	TO-263	Single	1.2	2.7	1.3	3.3	7	0 to 125	No	1.42	1.19	.85	.68
512-FAN1589MCX	FAN1589MCX	TO-263	Single	1.2	2.7	1.3	3.3	7	0 to 125	No	1.42	1.19	.85	.68
512-FAN1589T	FAN1589T	TO-220	Single	1.2	2.7	1.3	3.3	7	0 to 125	No	1.42	1.19	.85	.68
512-FAN1084T15	FAN1084T15	TO-220	Single	1.5	4.5	1.5	-	7	0 to 125	No	1.01	.86	.74	.66
512-FAN1587AM15X	FAN1587AM15X	TO-263	Single	1.5	3	1.3	2.8	12	0 to 125	No	1.42	1.19	.85	.68
512-FAN1587AMC15X	FAN1587AMC15X	TO-263	Single	1.5	3	1.3	2.8	12	0 to 125	No	1.42	1.19	.85	.68
512-FAN1587AT15	FAN1587AT15	TO-220	Single	1.5	3	1.3	2.8	12	0 to 125	No	1.42	1.19	.85	.68
512-FAN1616AD18X	FAN1616AD18X	TO-252	Single	1.8	0.5	1.1	3	18	0 to 125	No	.83	.69	.50	.40
512-FAN1616AS18X	FAN1616AS18X	SOT-223	Single	1.8	0.5	1.1	3	18	0 to 125	No	.83	.69	.50	.40
512-FAN2500S25X	FAN2500S25X	SOT-23	Single	2.5	0.1	0.1	2.7	7	-40 to +125	Yes	.70	.59	.51	.46
512-FAN2501S25X	FAN2501S25X	SOT-23	Single	2.5	0.1	0.1	2.6	7	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2502S25X	FAN2502S25X	SOT-23	Single	2.5	0.15	0.15	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2503S25X	FAN2503S25X	SOT-23	Single	2.5	0.15	0.15	2.65	7	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2505S25X	FAN2505S25X	SOT-23	Single	2.5	0.2	0.2	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2508S25X	FAN2508S25X	SOT-23	Single	2.5	0.05	0.05	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2509S25X	FAN2509S25X	SOT-23	Single	2.5	0.05	0.05	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2510S25X	FAN2510S25X	SOT-23	Single	2.5	0.1	0.1	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2511S25X	FAN2511S25X	SOT-23	Single	2.5	0.1	0.1	2.6	7	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2512S25X	FAN2512S25X	SOT-23	Single	2.5	0.15	0.15	2.7	6.5	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2513S25X	FAN2513S25X	SOT-23	Single	2.5	0.15	0.15	2.7	6.5	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2514S25X	FAN2514S25X	SOT-23	Single	2.5	0.2	0.2	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2515S25X	FAN2515S25X	SOT-23	Single	2.5	0.2	0.2	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2518S25X	FAN2518S25X	SOT-23	Single	2.5	0.05	0.05	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2519S25X	FAN2519S25X	SOT-23	Single	2.5	0.05	0.05	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
512-ILC7010AIC525X	ILC7010AIC525X	SC70-5	Single	2.5	0.08	0.08	2.5	8	-40 to +85	Yes	.68	.60	.52	.44
512-ILC7011AIC525X	ILC7011AIC525X	SC70-5	Single	2.5	0.08	0.08	2.5	8	-40 to +85	Yes	.68	.60	.52	.44
512-ILC7071AIM525X	ILC7071AIM525X	SOT-23	Single	2.5	0.1	0.1	2.5	8	-40 to +85	Yes	.58	.51	.44	.37
512-ILC7081AIM525X	ILC7081AIM525X	SOT-23	Single	2.5	0.1	0.1	2.5	10	-40 to +85	Yes	.68	.60	.52	.44
512-ILC7082AIM525X	ILC7082AIM525X	SOT-23	Single	2.5	0.15	0.15	2.5	10	-40 to +85	Yes	.92	.81	.70	.59
512-FAN2503S26X	FAN2503S26X	SOT-23	Single	2.6	0.15	0.15	2.75	7	-40 to +125	Yes	.83	.69	.50	.40
512-ILC7011AIC526X	ILC7011AIC526X	SC70-5	Single	2.6	0.08	0.08	2.5	8	-40 to +85	Yes	.68	.60	.52	.44
512-ILC7080AIM526X	ILC7080AIM526X	SOT-23	Single	2.6	0.08	0.08	2.5	8	-40 to +85	Yes	.68	.60	.52	.44
512-FAN2503S27X	FAN2503S27X	SOT-23	Single	2.7	0.15	0.15	2.85	7	-40 to +125	Yes	.83	.69	.50	.40
512-ILC7010AIC530X	ILC7010AIC530X	SC70-5	Single	3	0.08	0.08	2.5	8	-40 to +85	Yes	.68	.60	.52	.44
512-ILC7011AIC530X	ILC7011AIC530X	SC70-5	Single	3	0.08	0.08	2.5	8	-40 to +85	Yes	.68	.60	.52	.44
512-ILC7010AIC531X	ILC7010AIC531X	SC70-5	Single	3.1	0.08	0.08	2.5	8	-40 to +85	Yes	.68	.60	.52	.44
512-ILC7011AIC531X	ILC7011AIC531X	SC70-5	Single	3.1	0.08	0.08	2.5	8	-40 to +85	Yes	.68	.60	.52	.44
512-ILC7081AIM531X	ILC7081AIM531X	SOT-23	Single	3.1	0.1	0.1	2.5	10	-40 to +85	Yes	.68	.60	.52	.44
512-ILC7082AIM531X	ILC7082AIM531X	SOT-23	Single	3.1	0.15	0.15	2.5	10	-40 to +85	Yes	.92	.81	.70	.59
512-FAN1587AM33X	FAN1587AM33X	TO-263	Single	3.3	3	1.3	4.6	12	0 to 125	No	1.42	1.19	.85	.68
512-FAN1587AMC33X	FAN1587AMC33X	TO-263	Single	3.3	3	1.3	4.6	12	0 to 125	No	1.42	1.19	.85	.68
512-FAN1587AT33	FAN1587AT33	TO-220	Single	3.3	3	1.3	4.6	12	0 to 125	No	1.42	1.19	.85	.68
512-FAN1616AD33X	FAN1616AD33X	TO-252	Single	3.3	0.5	1.1	4.5	18	0 to 125	No	.83	.69	.50	.40
512-FAN1616AS33X	FAN1616AS33X	SOT-223	Single	3.3	0.5	1.1	4.5	18	0 to 125	No	.83	.69	.50	.40
512-FAN2500S33X	FAN2500S33X	SOT-23	Single	3.3	0.1	0.1	3.4	7	-40 to +125	Yes	.70	.59	.51	.46
512-FAN2501S33X	FAN2501S33X	SOT-23	Single	3.3	0.1	0.1	3.4	7	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2502S33X	FAN2502S33X	SOT-23	Single	3.3	0.15	0.15	3.45	7	-40 to +125	Yes	.83	.69	.50	.40
512-FAN2503S33X	FAN2503S33X	SOT-23	Single	3.3	0.15	0.15	3.45	7	-40 to +125	Yes	.83	.69	.50	.40

FAIRCHILD Voltage Regulators

FAIRCHILD SEMICONDUCTOR

LOW DROPOUT VOLTAGE REGULATORS (CONT.)

♦ Surface Mount Devic

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Fairchild Part No.	Package	Output Type	Preset Output Volt. Typ. V	Output Current A	Dropout Voltage (@Iout) V	Input Voltage (min) V	Input Voltage (max) V	Operating Temperature	Output Disable Function	Price Each 1	25	100	250
♦512-FAN2504S33X	FAN2504S33X	SOT-23	Single	3.3	0.2	0.2	3.5	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2505S33X	FAN2505S33X	SOT-23	Single	3.3	0.2	0.2	3.5	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2508S33X	FAN2508S33X	SOT-23	Single	3.3	0.05	0.05	3.35	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2509S33X	FAN2509S33X	SOT-23	Single	3.3	0.05	0.05	3.35	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2510S33X	FAN2510S33X	SOT-23	Single	3.3	0.1	0.1	3.4	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2511S33X	FAN2511S33X	SOT-23	Single	3.3	0.1	0.1	3.4	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2512S33X	FAN2512S33X	SOT-23	Single	3.3	0.15	0.15	3.45	6.5	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2513S33X	FAN2513S33X	SOT-23	Single	3.3	0.15	0.15	3.45	6.5	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2514S33X	FAN2514S33X	SOT-23	Single	3.3	0.2	0.2	3.5	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2515S33X	FAN2515S33X	SOT-23	Single	3.3	0.2	0.2	3.5	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2518S33X	FAN2518S33X	SOT-23	Single	3.3	0.05	0.05	3.35	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2519S33X	FAN2519S33X	SOT-23	Single	3.3	0.05	0.05	3.35	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-ILC7010AIC533X	ILC7010AIC533X	SC70-5	Single	3.3	0.08	0.08	2.5	8	-40 to +85	Yes	.68	.60	.52	.44
♦512-ILC7011AIC533X	ILC7011AIC533X	SC70-5	Single	3.3	0.08	0.08	2.5	8	-40 to +85	Yes	.83	.69	.50	.40
♦512-ILC7071AIM533X	ILC7071AIM533X	SOT-23	Single	3.3	0.1	0.1	2.5	8	-40 to +85	Yes	.58	.51	.44	.37
♦512-ILC7080AIM533X	ILC7080AIM533X	SOT-23	Single	3.3	0.08	0.08	2.5	8	-40 to +85	Yes	.68	.60	.52	.44
♦512-ILC7081AIM533X	ILC7081AIM533X	SOT-23	Single	3.3	0.1	0.1	2.5	10	-40 to +85	Yes	.68	.60	.52	.44
512-KA378R33TU	KA378R33TU	TO-220	Single	3.3	3	0.5	3.8	35	-20 to +80	Yes	2.10	1.75	1.25	1.00
512-KA78R33TU	KA78R33TU	TO-220	Single	3.3	1	0.5	3.8	35	-20 to +80	Yes	1.47	1.23	.88	.70
512-KA78RM33	KA78RM33	TO-220	Single	3.3	0.5	0.6	3.9	20	-25 to +125	No	1.22	1.02	.73	.58
512-FAN1616AD5X	FAN1616AD5X	TO-252	Single	5	0.5	1.1	6.2	18	0 to 125	No	.83	.69	.50	.40
♦512-FAN1616AS5X	FAN1616AS5X	SOT-223	Single	5	0.5	1.1	6.2	18	0 to 125	No	.83	.69	.50	.40
♦512-ILC7080AIM550X	ILC7080AIM550X	SOT-23	Single	5	0.08	0.08	2.5	8	-40 to +85	Yes	.83	.69	.50	.40
♦512-ILC7081AIM550X	ILC7081AIM550X	SOT-23	Single	5	0.1	0.1	2.5	10	-40 to +85	Yes	.68	.60	.52	.44
♦512-ILC7082AIM550X	ILC7082AIM550X	SOT-23	Single	5	0.15	0.15	2.5	10	-40 to +85	Yes	.92	.81	.70	.59
512-KA378R05TU	KA378R05TU	TO-220	Single	5	3	0.5	5.5	35	-20 to +80	Yes	2.10	1.75	1.25	1.00
512-KA78R15TU	KA78R15TU	TO-220	Single	15	1	0.5	15.5	35	-20 to +80	Yes	1.47	1.23	.88	.70
512-FAN1084MCX	FAN1084MCX	TO-263	Single	ADJ	4.5	1.5	-	7	0 to 125	No	1.22	1.02	.73	.58
512-FAN1084T	FAN1084T	TO-220	Single	ADJ	4.5	1.5	-	7	0 to 125	No	1.01	.86	.74	.66
512-FAN1086M	FAN1086M	TO-263	Single	ADJ	1.5	1.5	-	7.5	0 to 125	No	.88	.75	.65	.58
512-FAN1117ADX	FAN1117ADX	TO-252	Single	ADJ	1	1.1	2.5	17	0 to 125	No	.83	.69	.50	.40
♦512-FAN1117ASX	FAN1117ASX	SOT-223	Single	ADJ	1	1.1	2.5	17	0 to 125	No	.83	.69	.50	.40
512-FAN1581T	FAN1581T	TO-220	Single	ADJ	5	0.6	-	7	0 to 125	No	2.00	1.67	1.19	.95
512-FAN1582MX	FAN1582MX	TO-263	Single	ADJ	3	0.6	-	7	0 to 125	No	2.04	1.72	1.48	1.33
♦512-FAN1616ASX	FAN1616ASX	SOT-223	Single	ADJ	0.5	1.1	2.5	18	0 to 125	No	.83	.69	.50	.40
♦512-FAN2500SX	FAN2500SX	SOT-23	Single	ADJ	0.1	0.1	2.7	7	-40 to +125	Yes	.70	.59	.51	.46
♦512-FAN2502SX	FAN2502SX	SOT-23	Single	ADJ	0.15	0.15	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2508SX	FAN2508SX	SOT-23	Single	ADJ	0.05	0.05	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2510SX	FAN2510SX	SOT-23	Single	ADJ	0.1	0.1	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2512SX	FAN2512SX	SOT-23	Single	ADJ	0.15	0.15	2.7	6.5	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2514SX	FAN2514SX	SOT-23	Single	ADJ	0.2	0.2	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2518SX	FAN2518SX	SOT-23	Single	ADJ	0.05	0.05	2.7	7	-40 to +125	Yes	.83	.69	.50	.40
♦512-ILC7081AIM5ADJX	ILC7081AIM5ADJX	SOT-23	Single	ADJ	0.1	0.1	2.5	10	-40 to +85	Yes	.68	.60	.52	.44
♦512-KA78RL00D	KA78RL00D	SO-8	Single	ADJ	0.1	0.6	2.5	30	-40 to +125	No	1.28	1.07	.76	.61
♦512-LP2951CM	LP2951CM	SOP-8	Single	ADJ	0.1	0.6	2.5	30	-40 to +125	No	.61	.51	.45	.37
♦512-FAN2504SX	FAN2504SX	SOT-23	Single	Adj.	0.2	0.2	2.7	7	-40 to +125	Yes	.83	.69	.50	.40

VOLTAGE REFERENCES

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Fairchild Part No.	Package	Preset Output Voltage (V)	Adj. Output Voltage Min (V)	Adj. Output Voltage Max (V)	Tolerance (%)	Max. Current (mA)	Price Each 1	25	100	250
512-LM336Z25X	LM336Z25X	TO-92	2.5	2.5	37	2	15	.34	.29	.25	.21
♦512-FAN4041CIS3X	FAN4041CIS3X	SOT-23-3	Adjustable	1.22	12	0.5	30	1.21	1.03	.89	.79
♦512-FAN4041DIS3X	FAN4041DIS3X	SOT-23-3	Adjustable	1.22	12	1	30	.40	.33	.26	.24
♦512-RC0431AMT	RC0431AMT	SOT-23-5	Adjustable	1.24	12	1.5	20	.66	.55	.39	.31
♦512-LM431CCMX	LM431CCMX	SOIC-8	Adjustable/ 2.5	2.5	37	0.5	100	.32	.27	.23	.19
512-LM431CCZX	LM431CCZX	TO-92	Adjustable/ 2.5	2.5	37	0.5	100	.33	.28	.24	.20
♦512-LM431SCCMFX	LM431SCCMFX	SOT-23F	Adjustable/ 2.5	2.5	37	0.5	100	.23	.19	.17	.14
512-LM431BIZX	LM431BIZX	TO-92	Adjustable/ 2.5	2.5	37	1	100	.22	.18	.16	.13
♦512-LM431BIMX	LM431BIMX	SOIC-8	Adjustable/ 2.5	2.5	37	1	100	.32	.27	.23	.19
♦512-LM431SBCMFX	LM431SBCMFX	SOT-23F	Adjustable/ 2.5	2.5	37	1	100	.26	.22	.19	.15
♦512-TL431ACD	TL431ACD	SOIC-8	Adjustable/ 2.5	2.5	37	1	100	.48	.41	.30	.24
512-FAN431ZXA	FAN431ZXA	TO-92	Adjustable/ 2.5	2.5	37	2	100	.14	.12	.10	.09
♦512-KA431SMFTF	KA431SMFTF	SOT-23F	Adjustable/ 2.5	2.5	37	2	100	.37	.31	.22	.18
♦512-LM431AIMX	LM431AIMX	SOIC-8	Adjustable/ 2.5	2.5	37	2	100	.32	.27	.23	.19
512-LM431AIZ	LM431AIZ	TO-92	Adjustable/ 2.5	2.5	37	2	100	.22	.18	.16	.13
♦512-LM431SACMFX	LM431SACMFX	SOT-23F	Adjustable/ 2.5	2.5	37	2	100	.24	.20	.17	.14
512-TL431CP	TL431CP	DIP-8	Adjustable/ 2.5	2.5	37	2	100	.36	.30	.22	.17
512-LM336BZ50	LM336BZ50	TO-92	Adjustable/ 5	4	6	2	15	.34	.29	.25	.21
512-LM336Z5X	LM336Z5X	TO-92	Adjustable/ 5	4	6	4	15	.34	.29	.25	.21

FAIRCHILD Power Switch and PFC IC's

FAIRCHILD SEMICONDUCTOR

OFFLINE IC'S - FAIRCHILD POWER SWITCH

e Fairchild Power Switch(FPS) product family is specially designed for an off line SMPS with minimal external mponents. The Fairchild Power Switch(FPS) consist of a high voltage power SenseFET and a current mode PWM IC. cluded PWM controller features integrated fixed oscillator, the under voltage lock out, the leading edge blanking, the timized gate turn-on/turn-off driver, the thermal shutdown protection, the over voltage protection, and the temperature mpensated precision current sources for the loop compensation and a fault protection circuitry. compared with a screte MOSFET and a controller or a RCC switching converter solution, a Fairchild Power Switch(FPS) can reduce al component count, design size, and weight and at the same time increase efficiency, productivity, and system liability. It has a basic platform well suited for the cost effective LCD monitor power supply.

Fairchild Power Switch Designer Software (10.5M)
This software currently only works with Windows 95 and Windows 98.
Contains:
- FPS Designer Software Installation Notes - Instructions and Requirements (.txt file)
- FPS Designer Software Installer (.exe file)
- FPS Designer User Guide (.doc file)
- FPS Designer User Guide (.pdf file)

Available online @ www.fairchildsemi.com/products/analog/fps_designer_software.zip

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Output Power Vac (W) Max at 85-165	Output Power Vac (W) Max at 230	Peak Current Limit (A)	Drain Voltage (Max) (V)	RDS On (Ohms)	Switching Frequency (kHz)	Power Saver	Soft Start	Over Current Protection	Price Each 1	Price Each 25	Price Each 100
512-FS6S1265REYDTU	FS6S1265REYDTU	TO-3P	128	152	8	650	0.9	Sync	No	Soft Start	Auto Restart	3.15	2.63	2.10
512-FSDL321	FSDL321	DIP-8	-	-	0.7	650	19	50	No	-	Auto Restart	1.65	1.38	1.21
512-FSDL0165RN	FSDL0165RN	DIP-8	12	13.6	1.2	650	10	50	Yes	Int. Soft Start	Auto Restart	1.08	.90	.79
512-FSDL0365RNB	FSDL0365RNB	DIP-8	24	28	2.2	650	4.5	50	Yes	Int. Soft Start	No	1.89	1.58	1.39
512-KA5L0365RN	KA5L0365RN	DIP-8	32	40	2.2	650	4.5	50	No	No	Auto Restart	1.61	1.35	1.19
512-KA5L0365RN	KA5L0365RN	DIP-8	32	40	2.2	800	5	50	No	No	Auto Restart	1.61	1.35	1.19
512-FSDM311	FSDM311	DIP-8	5.6	8	0.55	650	19	67	Yes	Int. Soft Start	No	.84	.70	.62
512-KA5M02659RN	KA5M02659RN	DIP-8	12	13.6	0.9	650	6	67	No	No	Auto Restart	1.85	1.54	1.10
512-FSD1000	FSD1000	DIPH-12	12	13.6	1	700	9	67	Yes	Int. Soft Start	No	2.97	2.48	2.18
512-KA5M0280RTU	KA5M0280RTU	TO-220F-4L	20	24	1.2	800	7	67	No	No	Auto Restart	2.23	1.86	1.33
512-FSDM0265RNB	FSDM0265RNB	DIP-8	16	18.4	1.5	650	6	67	Yes	Int. Soft Start	No	1.71	1.43	1.25
512-FSDM0365RNB	FSDM0365RNB	DIP-8	24	28	2.2	650	4.5	67	Yes	Int. Soft Start	No	2.04	1.70	1.50
512-KA5M0365RN	KA5M0365RN	DIP-8	32	40	2.2	650	4.5	67	No	No	Auto Restart	2.06	1.72	1.23
512-KA5M0380RTU	KA5M0380RTU	TO-220F-4L	32	40	2.2	800	5	67	No	No	Auto Restart	2.31	1.93	1.38
512-FSDM0565RBWDTU	FSDM0565RBWDTU	TO-220F	48	56	2.3	650	2.2	67	Yes	Int. Soft Start	Auto Restart	1.80	1.50	1.32
512-FSDM07652RBWDTU	FSDM07652RBWDTU	TO-220F	60	68	2.5	650	1.6	67	Yes	Int. Soft Start	Auto Restart	3.96	3.30	2.90
512-FSCM0765RCYDTU	FSCM0765RCYDTU	TO-220	85	95	3	650	1.6	67	Yes	Int. Soft Start	Auto Restart	2.79	2.33	2.05
512-FSCM0765RD	FSCM0765RD	D2-PAK-5L	85	95	3	650	1.6	67	Yes	Int. Soft Start	Auto Restart	2.79	2.33	2.05
512-FS7M0680YDTU	FS7M0680YDTU	TO-3P	64	80	4	800	2	67	No	Soft Start	Latch	5.87	4.90	4.31
512-FS7M0880YDTU	FS7M0880YDTU	TO-3P-5L	88	104	5	800	1.5	67	No	Soft Start	Latch	3.15	2.63	2.10
512-KA5M0965QTU	KA5M0965QTU	TO-3P	96	116	6	650	1.2	67	No	Soft Start	Latch	4.20	3.50	2.50
512-FSDH321	FSDH321	DIP-8	-	-	0.7	650	19	100	No	-	Auto Restart	1.65	1.38	1.21
512-KA5H0280RTU	KA5H0280RTU	TO-220F-4L	20	24	1.2	800	7	100	No	No	Auto Restart	2.23	1.86	1.33
512-FSDH0265RN	FSDH0265RN	DIP-8	16	18.4	1.5	650	6	100	Yes	Int. Soft Start	Auto Restart	1.20	1.00	.88
512-KA5H0365RTU	KA5H0365RTU	TO-220F-4L	32	40	2.2	650	4.5	100	No	No	Auto Restart	2.23	1.86	1.33
512-KA5H0380RTU	KA5H0380RTU	TO-220F-4L	32	40	2.2	800	5	100	No	No	Auto Restart	2.31	1.93	1.38
512-FSD200	FSD200	DIP-7	4.8	7	0.3	700	32	134	Yes	Int. Soft Start	No	.78	.65	.52
512-FSD200B	FSD200B	DIP-7	4.8	7	0.3	700	32	134	Yes	Int. Soft Start	No	.78	.65	.57
512-FSD210	FSD210	DIP-7	4.8	7	0.3	700	32	134	Yes	Int. Soft Start	No	.81	.68	.54
512-FSD210B	FSD210B	DIP-7	4.8	7	0.3	700	32	134	Yes	Int. Soft Start	No	1.35	1.13	.99
512-FS6X1220RTYDTU	FS6X1220RTYDTU	TO-220F-5L	-	-	3.2	200	0.3	300	No	No	No	2.16	1.80	1.44
512-FS6X1220RTYDTU	FS6X1220RTYDTU	TO-220F-5L	-	-	3.2	200	0.3	300	No	No	No	2.16	1.80	1.44
512-KA5Q0565RTYDTU	KA5Q0565RTYDTU	TO-220F-5L	56	64	3.5	650	2.2	QRC	No	No	Latch	2.56	2.14	1.53
512-FSCQ0765RTYDTU	FSCQ0765RTYDTU	TO-220F	85	100	5	650	1.6	QRC	Yes	Int. Soft Start	Latch	2.97	2.48	2.18
512-KA5Q0740RTYDTU	KA5Q0740RTYDTU	TO-220F-5L	80	-	5	400	1.1	QRC	No	No	Latch	2.69	2.24	1.60
512-FSCQ1265RTYDTU	FSCQ1265RTYDTU	TO-220F	140	170	7	650	0.9	QRC	Yes	Int. Soft Start	Latch	3.60	3.00	2.64
512-FSCQ1565RTYDTU	FSCQ1565RTYDTU	TO-220F	170	210	8	650	0.65	QRC	Yes	Int. Soft Start	Latch	3.84	3.20	2.82
512-KA5Q1565RFYDTU	KA5Q1565RFYDTU	TO-3PF	216	240	11.5	650	0.65	QRC	No	No	Latch	6.30	5.25	3.75
512-FS8S0765RCBYDTU	FS8S0765RCBYDTU	TO-220F-5L	96	80	4	650	1.6	Sync	No	Soft Start	Auto Restart	2.19	1.83	1.46
512-FS8S0965RCBYDTU	FS8S0965RCBYDTU	TO-220	96	116	6	650	1.2	Sync	No	Soft Start	Auto Restart	3.00	2.50	2.20
512-FS6S1565RBYDTU	FS6S1565RBYDTU	TO-3P-5L	160	192	9.7	650	0.65	Sync	No	Soft Start	Auto Restart	4.05	3.38	2.70

FAIRCHILD POWER FACTOR CORRECTION

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Startup Current (uA)	Operating Current (mA)	PFC Control	Drive Output (A)	Fpwm FPfc	PWM Duty Cycle Max (%)	UVLO	Options Soft Start	Options Current Limit	Options Feed Fwd	Options Brownout	Price Each 1	Price Each 25	Price Each 100	Price Each 250
PFC																	
512-FAN7527BM	FAN7527BM	SOIC-8	60	3	Disc (Transition)	0.5	-	-	12/9	-	Yes	-	-	.69	.58	.46	.41
512-FAN7527BN	FAN7527BN	DIP-8	60	3	Disc (Transition)	0.5	-	-	12/9	-	Yes	-	-	.69	.58	.46	.41
512-FAN4810M	FAN4810M	SOIC-16	200	5.5	Average Current	1	1	49	13/10	Yes	Yes	Yes	Yes	2.40	2.00	1.60	1.44
512-FAN4810N	FAN4810N	DIP-16	200	5.5	Average Current	1	1	49	13/10	Yes	Yes	Yes	Yes	2.40	2.00	1.60	1.44
512-ML4821CP	ML4821CP	DIP-18	600	26	Average Current	1	-	-	15/10	Yes	Yes	Yes	Yes	8.40	7.00	5.00	4.00
512-ML4821CS	ML4821CS	SOIC-20	600	26	Average Current	1	-	-	15/10	Yes	Yes	Yes	Yes	9.03	7.53	5.38	4.30
512-FAN4822IM	FAN4822IM	SOIC-16	700	22	Average Current	0.5	-	-	13/10	Yes	Yes	Yes	Yes	7.52	6.27	4.48	3.58
512-FAN4822IN	FAN4822IN	DIP-14	700	22	Average Current	0.5	-	-	13/10	Yes	Yes	Yes	Yes	7.52	6.27	4.48	3.58
512-ML4812CP	ML4812CP	DIP-16	800	20	Peak Current	1	-	-	16/10	-	Yes	Yes	-	9.66	8.05	5.75	4.60
512-ML4812CQ	ML4812CQ	PLCC-20	800	20	Peak Current	1	-	-	16/10	-	Yes	Yes	-	11.09	9.24	6.60	5.28
512-ML4812IQ	ML4812IQ	PLCC-20	800	20	Peak Current	1	-	-	16/10	-	Yes	Yes	-	15.02	12.51	8.94	7.15
PWM + PFC																	
512-FAN4803CP1	FAN4803CP1	DIP-8	200	2	Inp Current Shaping	1	1	50	13/10	Yes	Yes	-	Yes	2.73	2.31	2.00	1.79
512-FAN4803CS1X	FAN4803CS1X	SOIC-8	200	2	Inp Current Shaping	1	1	50	13/10	Yes	Yes	-	Yes	3.12	2.69	2.36	2.14
512-FAN4803CP2	FAN4803CP2	DIP-8	200	2	Inp Current Shaping	1	2	50	13/10	Yes	Yes	-	Yes	2.73	2.31	2.00	1.79
512-FAN4803CS2X	FAN4803CS2X	SOIC-8	200	2	Inp Current Shaping	1	2	50	13/10	Yes	Yes	-	Yes	3.12	2.69	2.36	2.14
512-ML4800CP	ML4800CP	DIP-16	200	5.5	Average Current	1	1	49	13/10	Yes	Yes	Yes	Yes	4.62	3.85	2.75	2.20
512-ML4800CS	ML4800CS	SOIC-16	200	5.5	Average Current	1	1	49	13/10	Yes	Yes	Yes	Yes	4.62	3.85	2.75	2.20
512-ML4800IP	ML4800IP	DIP-16	200	5.5	Average Current	1	1	49	13/10	Yes	Yes	Yes	Yes	6.09	5.14	3.78	3.10
512-ML4800IS	ML4800IS	SOIC-16	200	5.5	Average Current	1	1	49	13/10	Yes	Yes	Yes	Yes	5.71	4.76	3.40	2.72
512-ML4824CP1	ML4824CP1	DIP-16	700	16	Average Current	0.5	1	49	13/10	Yes	Yes	Yes	Yes	6.30	5.25	3.75	3.00
512-ML4824CS1	ML4824CS1	SOIC-16	700	16	Average Current	0.5	1	49	13/10	Yes	Yes	Yes	Yes	9.37	7.81	5.58	4.46
512-ML4824IP1	ML4824IP1	DIP-16	700	16	Average Current	0.5	1	49	13/10	Yes	Yes	Yes	Yes	6.72	5.60	4.00	3.20
512-ML4824IS1	ML4824IS1	SOIC-16	700	16	Average Current	0.5	1	49	13/10	Yes	Yes	Yes	Yes	9.83	8.19	5.85	4.68
512-ML4824CP2	ML4824CP2	DIP-16	700	16	Average Current	0.5	2	49	13/10	Yes	Yes	Yes	Yes	7.82	6.51	4.65	3.72
512-ML4824CS2	ML4824CS2	SOIC-16	700	16	Average Current	0.5	2	49	13/10	Yes	Yes	Yes	Yes	7.81	6.51	4.65	3.72
512-ML4841CP	ML4841CP	DIP-16	700	17	Average Current	0.5	2	50	13/10	Yes	Yes	Yes	Yes	9.03	7.53	5.38	4.30
512-ML4826CP2	ML4826CP2	DIP-20	700	22	Average Current	0.5	2	50	13/10	Yes	Yes	Yes	Yes	10.42	8.68	6.20	4.96

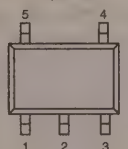
SEIKO INSTRUMENTS Voltage Detectors

SII Seiko Instruments

HIGH PRECISION VOLTAGE DETECTORS

SOT-23-5

Top View



S-1000 Series

The S-1000 series is a series of high-precision voltage detectors developed using CMOS process. The detection voltage is fixed internally with an accuracy of ±1.0%. It operates with low current consumption of 350 nA typ.

- Ultra-low current consumption 350 nA typ. (VDD = detection voltage + 1.5 V)
- High-precision detection voltage ±1.0%
- Operating voltage range 0.95 to 5.5 V
- Hysteresis characteristics 5% typ.

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Form	Detection Voltage (V)	Hysteresis Width (V) (Typ.)	Current Consumption (μA) (Typ.)	Price Each 1	100	500	1000
Surface Mount										
628-1000N27-M5	S-1000N27-M5T1	SOT-23-5	N-Ch open	2.5	0.050	350 (VDD = -VDET(S)+1.5V)	.40	.36	.32	.29
628-1000N45-M5	S-1000N45-M5T1	SOT-23-5	N-Ch open	4.5	0.050	350 (VDD = 5.5V)	.40	.36	.32	.29

S-801 Series

The S-801 series is a series of high-precision voltage detectors with a built-in delay time generator of fixed time developed using CMOS process. The detection voltage is fixed internally, with an accuracy of ±2.0%. Internal oscillator and counter timer can delay the release signal without external parts.

- Ultra-low current consumption: 1.3 μA Typ. (at VDD = 3.5V)
- High-precision detection voltage: ±2.0%
- Delay times: 100 ms Typ.
- ON/OFF switch of delay time (DS pin)
- Operating voltage range: 0.95V to 10.0V
- Detection voltage: 2.2V to 6.0V (0.1V step)

SOT-89-3

Top View

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Form	Detection Voltage (V)	Hysteresis Width (V) (Typ.)	Current Consumption (μA) (Typ.)	Price Each 1	100	500	1000
Surface Mount										
628-80125BLM	S-80125BLMC-JEK-T2	SOT-23-5	CMOS	2.5	0.06	1.3 (VDD = 3.5V)	.48	.43	.38	.35
628-80127BLM	S-80127BLMC-JEM-T2	SOT-23-5	CMOS	2.7	0.06	1.5 (VDD = 4.5V)	.48	.43	.38	.35
628-80127BNM	S-80127BNMC-JGM-T2	SOT-23-5	N-Ch open	2.7	0.06	1.5 (VDD = 4.5V)	.48	.43	.38	.35
628-80130BLM	S-80130BLMC-JEP-T2	SOT-23-5	CMOS	3	0.06	1.5 (VDD = 4.5V)	.48	.43	.38	.35
628-80130BNM	S-80130BNMC-JGP-T2	SOT-23-5	N-Ch open	3	0.06	1.5 (VDD = 4.5V)	.48	.43	.38	.35
628-80140BNM	S-80140BNMC-JGZ-T2	SOT-23-5	N-Ch open	4	0.06	1.8 (VDD = 6.5V)	.48	.43	.38	.35
628-80145BNM	S-80145BNMC-JG6-T2	SOT-23-5	N-Ch open	4.5	0.06	1.8 (VDD = 6.5V)	.48	.43	.38	.35

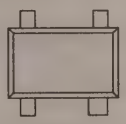
S-808 Series

The S-808xxC series is a series of high-precision voltage detectors developed using CMOS process. The detection voltage is fixed internally with an accuracy of ±2.0%. Ultra-low current consumption and miniature package lineup can meet demand from the portable device applications.

- Ultra-low current consumption: 1.3 μA Typ. (at VDD = 1.5 V) (Products with detection voltage of 1.4 V Typ. or less)
  0.8 μA Typ. (at VDD = 3.5 V) (Products with detection voltage of 1.5 V Typ. or less)
- High-accuracy detection voltage: ±2.0%
- Operating voltage range: 0.65 V to 5.0 V (Products with detection voltage of 1.4 V Typ. or less)
  0.95 V to 10.0 V (Products with detection voltage of 1.5 V Typ. or less)
- Hysteresis characteristics: 5 % Typ.

SC-82AB

Top View



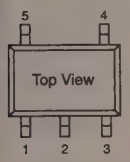
For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Form	Detection Voltage (V)	Hysteresis Width (V) (Typ.)	Current Consumption (μA) (Typ.)	Price Each 1	100	500	1000
Surface Mount										
628-80820CNU-G	S-80820CNUA-B8FT2G	SOT-89-3	N-Ch open	2	0.1	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80823CNM	S-80823CNMC-B8I-T2	SOT-23-5	N-Ch open	2.3	0.115	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80824CNU	S-80824CNUA-B8J-T2	SOT-89-3	N-Ch open	2.4	0.12	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80825CLU	S-80825CLUA-B6K-T2	SOT-89-3	CMOS	2.5	0.125	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80825CNM	S-80825CNMC-B8K-T2	SOT-23-5	N-Ch open	2.5	0.125	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80825CNU-G	S-80825CNUA-B8KT2G	SOT-89-3	N-Ch open	2.5	0.125	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80826CNU-G	S-80826CNUA-B8LT2G	SOT-89-3	N-Ch open	2.6	0.13	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80827CNM	S-80827CNMC-B8M-T2	SOT-23-5	N-Ch open	2.7	0.135	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80830CNM	S-80830CNMC-B8P-T2	SOT-23-5	N-Ch open	3	0.15	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80830CLM	S-80830CLMC-B6P-T2	SOT-23-5	CMOS	3	0.15	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80830CNU-G	S-80830CNUA-B8PT2G	SOT-89-3	N-Ch open	3	0.15	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80833CNU	S-80833CNUA-B8S-T2	SOT-89-3	N-Ch open	3.3	0.165	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80834CLU	S-80834CLUA-B6T-T2	SOT-89-3	CMOS	3.4	0.17	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80835CNU	S-80835CNUA-B8U-T2	SOT-89-3	N-Ch open	3.5	0.175	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80840CNM	S-80840CNMC-B8Z-T2	SOT-23-5	N-Ch open	4	0.2	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80840CNN-G	S-80840CNNB-B8ZT2G	SC-82AB	N-Ch open	4	0.2	0.9 (VDD = 6.0V)	.48	.43	.38	.35
628-80840CNU	S-80840CNUA-B8Z-T2	SOT-89-3	N-Ch open	4	0.2	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80843CNU	S-80843CNUA-B84-T2	SOT-89-3	N-Ch open	4.3	0.215	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80845CNM	S-80845CNMC-B86-T2	SOT-23-5	N-Ch open	4.5	0.225	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80845CNU	S-80845CNUA-B86-T2	SOT-89-3	N-Ch open	4.5	0.225	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80850CNM	S-80850CNMC-B9B-T2	SOT-23-5	N-Ch open	5	0.25	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80850CNU	S-80850CNUA-B9B-T2	SOT-89-3	N-Ch open	5	0.25	1.0 (VDD = 6.0V)	.48	.43	.38	.35
Thru-Hole										
628-80820CNY	S-80820CNY-B	TO-92	N-Ch open	2	0.1	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80825CLY	S-80825CLY-B	TO-92	CMOS	2.5	0.125	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80825CNY	S-80825CNY-B	TO-92	N-Ch open	2.5	0.125	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80830CLY-G	S-80830CLY-BG	TO-92	CMOS	3	0.15	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80830CNY	S-80830CNY-B	TO-92	N-Ch open	3	0.15	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80833CLY	S-80833CLY-B	TO-92	CMOS	3.3	0.165	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80833CNY	S-80833CNY-B	TO-92	N-Ch open	3.3	0.165	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80835CLY	S-80835CLY-B	TO-92	CMOS	3.5	0.175	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80835CNY	S-80835CNY-B	TO-92	N-Ch open	3.5	0.175	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80840CLY	S-80840CLY-B	TO-92	CMOS	4	0.2	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80840CNY	S-80840CNY-B	TO-92	N-Ch open	4	0.2	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80841CLY	S-80841CLY-B	TO-92	CMOS	4.1	0.205	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80845CLY	S-80845CLY-B	TO-92	CMOS	4.5	0.225	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80845CNY	S-80845CNY-B	TO-92	N-Ch open	4.5	0.225	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80850CNY	S-80850CNY-B	TO-92	N-Ch open	5	0.25	1.0 (VDD = 6.0V)	.48	.43	.38	.36

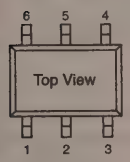
TO-92

Bottom View

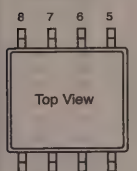
SOT-23-5



SOT-23-6

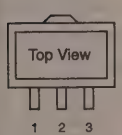


MSOP-8

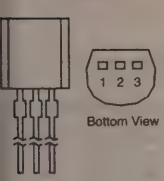


TSSOP-16

SOT-89-3



TO-92



SII Seiko Instruments HIGH PRECISION VOLTAGE DETECTORS CONT.

S-809 Series

The S-809xxC series is a high-precision voltage detector developed using a CMOS process. The detection voltage is fixed internally, with an accuracy of ±2.0%. A time delayed reset can be accomplished with the addition of an external capacitor.

- Ultra-low current consumption: 1.0 μA Typ. (at VDD = 2.0 V); Detection voltage: less-than or equal to 1.4 V
  1.1 μA Typ. (at VDD = 3.5 V); Detection voltage: greater-than or equal to 1.5 V
- High-precision detection voltage: ±2.0%
- Operating voltage range: 0.7 V to 10.0 V
- Detection voltage: 1.3 V to 6.0 V (0.1 V step)
- Hysteresis characteristics: 5% Typ.

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Form	Detection Voltage (V)	Hysteresis Width (V) (Typ.)	Current Consumption (μA) (Typ.)	Price Each 1	100	500	1000
Surface Mount										
628-80920CLM	S-80920CLMC-G6Q-T2	SOT-23-5	CMOS	2.0	0.100	1.2 (VDD = 3.5V)	.48	.43	.38	.35
628-80920CNM-G	S-80920CNMC-G8QT2G	SOT-23-5	N-Ch open	2.0	0.100	1.2 (VDD = 3.5V)	.48	.43	.38	.35
628-80925CLM	S-80925CLMC-G6V-T2	SOT-23-5	CMOS	2.5	0.125	1.2 (VDD = 3.5V)	.48	.43	.38	.35
628-80925CNM	S-80925CNMC-G8V-T2	SOT-23-5	N-Ch open	2.5	0.125	1.2 (VDD =3.5V)	.48	.43	.38	.35
628-80927CLM	S-80927CLMC-G6X-T2	SOT-23-5	CMOS	2.7	0.135	1.3 (VDD = 4.5V)	.48	.43	.38	.35
628-80927CNM	S-80927CNMC-G8X-T2	SOT-23-5	N-Ch open	2.7	0.135	1.3 (VDD = 4.5V)	.48	.43	.38	.35
628-80930CLM	S-80930CLMC-G60-T2	SOT-23-5	CMOS	3.0	0.150	1.3 (VDD = 4.5V)	.48	.43	.38	.35
628-80930CNM	S-80930CNMC-G80-T2	SOT-23-5	N-Ch open	3.0	0.150	1.3 (VDD = 4.5V)	.48	.43	.38	.35
628-80943CLM	S-80943CLMC-G7D-T2	SOT-23-5	CMOS	4.3	0.215	1.5 (VDD = 6.0V)	.48	.43	.38	.35
628-80943CNM	S-80943CNMC-G9D-T2	SOT-23-5	N-Ch open	4.3	0.215	1.5 (VDD = 6.0V)	.48	.43	.38	.35
628-80945CLM	S-80945CLMC-G7F-T2	SOT-23-5	CMOS	4.5	0.225	1.5 (VDD = 6.0V)	.48	.43	.38	.35
628-80945CNM	S-80945CNMC-G9F-T2	SOT-23-5	N-Ch open	4.5	0.250	1.5 (VDD = 6.0V)	.48	.43	.38	.35
628-80950CLM	S-80950CLMC-G7L-T2	SOT-23-5	CMOS	5.0	0.250	1.5 (VDD = 6.0V)	.48	.43	.38	.35
628-80950CNM	S-80950CNMC-G9L-T2	SOT-23-5	N-Ch open	5.0	0.250	1.5 (VDD = 6.0V)	.48	.43	.38	.35

SII Seiko Instruments BATTERY PROTECTION ICS

NEW FROM SUPPLIER

S-8241 Series for 1-Cell Batteries

The S-8241 Series is a protection IC for lithium-ion/lithium polymer rechargeable batteries and includes a high precision detection circuit and a delay circuit. It is the optimal IC for protection against overcharge, overdischarge and overcurrent in 1-cell lithium-ion/lithium polymer rechargeable battery packs.

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Overcharge Detection Voltage	Overcharge Detection Voltage	Overdischarge Detection Voltage	Overdischarge Release Voltage	Overcurrent Detection Voltage1	0V Batt. Charge Function	Price Each 1	100	500	1000
Surface Mount												
628-8241ABPM-G	S-8241ABPMC-GBPT2G	SOT-23-5	4.350V	4.15V	2.3V	3.0V	0.2V	Available	.74	.67	.59	.54

S-8242 Series for 2-Serial Cell Batteries

The S-8242 Series is a protection IC for 2-serial cell lithium-ion/lithium polymer rechargeable batteries and includes a high precision detection circuit and a delay circuit. These ICs are suitable for protecting 2-cell rechargeable lithium-ion/lithium polymer battery packs from overcharge, overdischarge and overcurrent.

For quantities 2000 and up, call for quote.

Surface Mount											
628-8242AAGZ	S-8242AAG-M6T2GZ	SOT-23-6	4.325V	4.15V	2.4V	3.0V	0.3V	Available	.90	.81	.72	.65

S-8244 for 1-Serial to 4-Serial Cell Batteries

The S-8244 Series is used for secondary protection of lithium-ion rechargeable batteries with one to four cells and includes a high precision voltage detector circuit and a delay circuit. Short circuits between cells accommodates series connection of one to four cells.

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Overcharge Detection Voltage	Overcharge Hysteresis Voltage	Output Form	Current Consumption @ 3.5V each cell	Current Consumption @ 2.5V each cell	Price Each 1	100	500	1000
Surface Mount											
628-8244AAA	S-8244AAAFN-CEA-T2	MSOP-8	4.45V	0.38+/- 0.1V	CMOS output active "H"	3.0uA	2.4uA	1.02	.92	.82	.74

S-8254 Series for 3-Serial or 4-Serial Cell Pack Batteries

The S-8254 Series is a protection IC for 3-serial or 4-serial cell lithium-ion rechargeable batteries and includes a high precision detection circuit and a delay circuit. It protects both 3-serial or 4-serial cells using the SEL pin for switching.

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Overcharge Detection Voltage	Overcharge Detection Voltage	Overdischarge Detection Voltage	Overdischarge Release Voltage	Overcurrent Detection Voltage1	0V Batt. Charge Function	Price Each 1	100	500	1000
Surface Mount												
628-8254AAJ	S-8254AAJFT-TB	TSSOP-16	4.350V	4.150V	2.40V	3.00V	0.15V	Available	1.44	1.30	1.15	1.04

SII Seiko Instruments HIGH PRECISION VOLTAGE REGULATORS

S-812 Series

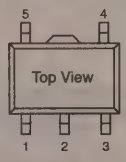
The S-812 Series is a three-terminal positive voltage regulator made using the CMOS process. Since this has higher precision output voltage and consumes less current than existing three-terminal voltage regulators, battery-powered portable equipment can have a higher performance and a longer service life.

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	I/O Voltage Difference (V) (Typ.)	Current Consumption (μA) (Typ.)	Input Voltage (V) (Max.)	Price Each 1	100	500	1000
Surface Mount										
628-812C25AU	S-812C25AUA-C2F-T2	SOT-89-3	2.5	0.590	0.9	10	.51	.46	.41	.35
628-812C25AM	S-812C25AMC-C2F-T2	SOT-23-5	2.5	0.590	0.9	10	.51	.46	.41	.35
628-812C30AU	S-812C30AUA-C2K-T2	SOT-89-3	3.0	0.440	1.0	16	.51	.46	.41	.35
628-812C30AM	S-812C30AMC-C2K-T2	SOT-23-5	3.0	0.440	1.0	16	.51	.46	.41	.35
628-812C33AU	S-812C33AUA-C2N-T2	SOT-89-3	3.3	0.370	1.0	16	.51	.46	.41	.35
628-812C33AM	S-812C33AMC-C2N-T2	SOT-23-5	3.3	0.370	1.0	16	.51	.46	.41	.35
628-812C35AU-G	S-812C35AUA-C2PT2G	SOT-89-3	3.5	0.340	1.0	16	.51	.46	.41	.35
628-812C35AM	S-812C35AMC-C2P-T2	SOT-23-5	3.5	0.340	1.0	16	.51	.46	.41	.35
628-812C40AU	S-812C40AUA-C2U-T2	SOT-89-3	4.0	0.270	1.2	16	.51	.46	.41	.35
628-812C40AM	S-812C40AMC-C2U-T2	SOT-23-5	4.0	0.270	1.2	16	.51	.46	.41	.35
628-812C50AU	S-812C50AUA-C3E-T2	SOT-89-3	5.0	0.160	1.2	16	.51	.46	.41	.35
628-812C50AM	S-812C50AMC-C3E-T2	SOT-23-5	5.0	0.160	1.2	16	.51	.46	.41	.35
Thru-Hole										
628-812C25AY	S-812C25AY-B	TO-92	2.5	0.290	0.9	10	.51	.46	.41	.35
628-812C30AY	S-812C30AY-B	TO-92	3.0	0.440	1.0	16	.51	.46	.41	.35
628-812C33AY	S-812C33AY-B	TO-92	3.3	0.370	1.0	16	.51	.46	.41	.35
628-812C35AY	S-812C35AY-B	TO-92	3.5	0.340	1.0	16	.51	.46	.41	.35
628-812C40AY	S-812C40AY-B	TO-92	4.0	0.270	1.2	16	.51	.46	.41	.35
628-812C50AY	S-812C50AY-B	TO-92	5.0	0.160	1.2	16	.51	.46	.41	.35

SOT-23-5

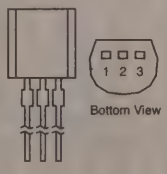
SOT-89-5



SC-82AB

SOT-89-3

TO-92



SII HIGH PRECISION VOLTAGE REGULATORS (CONT.)

S-814 Series

The S-814 Series is a low dropout voltage, high output voltage accuracy and low current consumption positive voltage regulator developed utilizing CMOS technology. Built-in low ON-resistance transistors provide low dropout voltage and large output current. A power-off circuit ensures long battery life. Various types of output capacitors can be used in the S-814 Series compared with the past CMOS voltage regulators. (i.e., small ceramic capacitors can also be used in the S-814 Series). These are recommended to be used for configuring portable devices and large output current applications, respectively.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each 1	100	500	1000
Surface Mount												
628-814A20AMC	S-814A20AMC-BCK-T2	SOT-23-5	2.0	0.510	110	+/- 2	30	10	.51	.46	.41	.35
628-814A20AUC	S-814A20AUC-BCK-T2	SOT-89-5	2.0	0.510	110	+/- 2	30	10	.51	.46	.41	.35
628-814A27AMC	S-814A27AMC-BCR-T2	SOT-23-5	2.7	0.380	110	+/- 2	30	10	.51	.46	.41	.35
628-814A30AMC	S-814A30AMC-BCU-T2	SOT-23-5	3.0	0.300	110	+/- 2	30	10	.51	.46	.41	.35
628-814A30AUC	S-814A30AUC-BCU-T2	SOT-89-5	3.0	0.300	110	+/- 2	30	10	.51	.46	.41	.35
628-814A33AMC	S-814A33AMC-BCX-T2	SOT-23-5	3.3	0.300	110	+/- 2	30	10	.51	.46	.41	.35
628-814A33AUC	S-814A33AUC-BCX-T2	SOT-89-5	3.3	0.300	110	+/- 2	30	10	.51	.46	.41	.35
628-814A35AMC	S-814A35AMC-BCZ-T2	SOT-23-5	3.5	0.240	110	+/- 2	30	10	.51	.46	.41	.35
628-814A40AMC	S-814A40AMC-BDE-T2	SOT-23-5	4.0	0.200	110	+/- 2	30	10	.51	.46	.41	.35
628-814A40AUC	S-814A40AUC-BDE-T2	SOT-89-5	4.0	0.200	110	+/- 2	30	10	.51	.46	.41	.35
628-814A50AMC	S-814A50AMC-BDO-T2	SOT-23-5	5.0	0.170	110	+/- 2	30	10	.51	.46	.41	.35
628-814A50AUC	S-814A50AUC-BDO-T2	SOT-89-5	5.0	0.170	110	+/- 2	30	10	.51	.46	.41	.35

S-817 Series

The S-817 Series is a three-terminal positive voltage regulator made using the CMOS process. Since this has higher precision output voltage and consumes less current than existing three-terminal voltage regulators, battery-powered portable equipment can have a higher performance and a longer service life.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each 1	100	500	1000
Surface Mount												
628-817A15ANB	S-817A15ANB-CUE-T2	SC-82AB	1.5	0.580	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B15AMC	S-817B15AMC-CWE-T2	SOT-23-5	1.5	0.580	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817B15AUA	S-817B15AUA-CWE-T2	SOT-89-3	1.5	0.580	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817A18ANB	S-817A18ANB-CUH-T2	SC-82AB	1.8	0.580	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817B18AMC	S-817B18AMC-CWH-T2	SOT-23-5	1.8	0.580	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817B18AUA	S-817B18AUA-CWH-T2	SOT-89-3	1.8	0.580	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817A20ANB	S-817A20ANB-CUJ-T2	SC-82AB	2.0	0.400	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B20AMC	S-817B20AMC-CWJ-T2	SOT-23-5	2.0	0.400	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B20AUA	S-817B20AUA-CWJ-T2	SOT-89-3	2.0	0.400	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817A25ANB	S-817A25ANB-CUO-T2	SC-82AB	2.5	0.310	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B25AMC	S-817B25AMC-CWO-T2	SOT-23-5	2.5	0.310	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B25AUA	S-817B25AUA-CWO-T2	SOT-89-3	2.5	0.310	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817A27ANB	S-817A27ANB-CUQ-T2	SC-82AB	2.7	0.310	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817A30ANB	S-817A30ANB-CUT-T2	SC-82AB	3.0	0.250	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B30AMC	S-817B30AMC-CWT-T2	SOT-23-5	3.0	0.250	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B30AUA	S-817B30AUA-CWT-T2	SOT-89-3	3.0	0.250	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817A33ANB	S-817A33ANB-CUW-T2	SC-82AB	3.3	0.250	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B33AMC	S-817B33AMC-CWW-T2	SOT-23-5	3.3	0.250	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B33AUA	S-817B33AUA-CWW-T2	SOT-89-3	3.3	0.250	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817A35ANB	S-817A35ANB-CUY-T2	SC-82AB	3.5	0.220	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B35AMC	S-817B35AMC-CWY-T2	SOT-23-5	3.5	0.220	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B35AUA	S-817B35AUA-CWY-T2	SOT-89-3	3.5	0.220	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817A40ANB	S-817A40ANB-CVD-T2	SC-82AB	4.0	0.190	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B40AMC	S-817B40AMC-CXD-T2	SOT-23-5	4.0	0.190	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B40AUA	S-817B40AUA-CXD-T2	SOT-89-3	4.0	0.190	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817A50ANB	S-817A50ANB-CVN-T2	SC-82AB	5.0	0.160	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B50AMC	S-817B50AMC-CXN-T2	SOT-23-5	5.0	0.160	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B50AUA	S-817B50AUA-CXN-T2	SOT-89-3	5.0	0.160	50	+/- 2	1.2	10	.51	.46	.42	.35
Thru-Hole												
628-817B15AY	S-817B15AY-B	TO-92	1.5	0.580	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817B25AY	S-817B25AY-B	TO-92	2.5	0.310	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817B30AY	S-817B30AY-B	TO-92	3.0	0.250	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817B33AY	S-817B33AY-B	TO-92	3.3	0.250	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817B40AY	S-817B40AY-B	TO-92	4.0	0.190	50	+/- 2	1.2	10	.51	.46	.42	.35
628-817B50AY	S-817B50AY-B	TO-92	5.0	0.160	50	+/- 2	1.2	10	.51	.46	.42	.35

S-818 Series

The S-818 Series is a positive voltage regulator developed utilizing CMOS technology featured by low dropout voltage accuracy and low current consumption. Built in low ON-resistance transistor provides low dropout voltage and large output current. A ceramic capacitor of 2uF or more can be used as an output capacitor. A power-OFF circuit ensures long battery life. The packages available are recommended for configuring portable devices and large output current applications.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each 1	100	500	1000
Surface Mount												
628-818A20AMC	S-818A20AMC-BGA-T2	SOT-23-5	2.0	0.510	200	+/- 2	30	10	.51	.46	.41	.35
628-818A25AMC	S-818A25AMC-BGF-T2	SOT-23-5	2.5	0.380	200	+/- 2	30	10	.51	.46	.41	.35
628-818A30AMC	S-818A30AMC-BGK-T2	SOT-23-5	3.0	0.300	200	+/- 2	30	10	.51	.46	.41	.35
628-818A33AMC	S-818A33AMC-BGN-T2	SOT-23-5	3.3	0.300	200	+/- 2	30	10	.51	.46	.41	.35
628-818A33AUC	S-818A33AUC-BGN-T2	SOT-89-5	3.3	0.300	200	+/- 2	30	10	.51	.46	.41	.35
628-818A40AMC	S-818A40AMC-BGU-T2	SOT-23-5	4.0	0.200	200	+/- 2	30	10	.51	.46	.41	.35
628-818A40AUC	S-818A40AUC-BGU-T2	SOT-89-5	4.0	0.200	200	+/- 2	30	10	.51	.46	.41	.35
628-818A50AMC	S-818A50AMC-BHE-T2	SOT-23-5	5.0	0.170	200	+/- 2	30	10	.51	.46	.41	.35

SII LOW DROP OUT VOLTAGE REGULATORS

S-1111 Series

The S-1111 Series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life, and small SOT-23-5 package realizes high-density mounting.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each 1	100	500	1000
Surface Mount												
628-1111B15MC	S-1111B15MC-NYA-TF	SOT-23-5	1.5	0.200	150	+/- 1	35	6.5	.46	.42	.38	.32
628-1111B18MC	S-1111B18MC-NYD-TF	SOT-23-5	1.8	0.200	150	+/- 1	35	6.5	.46	.42	.38	.32
628-1111B25MC	S-1111B25MC-NYK-TF	SOT-23-5	2.5	0.200	150	+/- 1	35	6.5	.46	.42	.38	.32
628-1111B30MC	S-1111B30MC-NYP-TF	SOT-23-5	3.0	0.200	150	+/- 1	35	6.5	.46	.42	.38	.32
628-1111B33MC	S-1111B33MC-NYS-TF	SOT-23-5	3.3	0.200	150	+/- 1	35	6.5	.46	.42	.38	.32
628-1111B50MC	S-1111B50MC-NZJ-TF	SOT-23-5	5.0	0.200	150	+/- 1	35	6.5	.46	.42	.38	.32

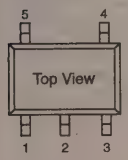
SEIKO INSTRUMENTS LOW DROP OUT VOLTAGE REGULATORS (CONT.)

S-1112 Series

The S-1112 series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life. Compared with the voltage regulators using the conventional CMOS process, a larger variety of capacitors are available, including small ceramic capacitors. A small SOT-23-5 package realizes high-density mounting.

For quantities of 2000 and up, call for quote.

SOT-23-5



MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each 1	100	500	1000
Surface Mount												
628-1112B15MC	S-1112B15MC-L6A-TF	SOT-23-5	1.5	0.190	150	+/- 1	50	5.5	.48	.44	.40	.33
628-1112B18MC	S-1112B18MC-L6D-TF	SOT-23-5	1.8	0.190	150	+/- 1	50	5.5	.48	.44	.40	.33
628-1112B25MC	S-1112B25MC-L6K-TF	SOT-23-5	2.5	0.190	150	+/- 1	50	5.5	.48	.44	.40	.33
628-1112B30MC	S-1112B30MC-L6P-TF	SOT-23-5	3.0	0.190	150	+/- 1	50	5.5	.48	.44	.40	.33
628-1112B33MC	S-1112B33MC-L6S-TF	SOT-23-5	3.3	0.190	150	+/- 1	50	5.5	.48	.44	.40	.33
628-1112B50MC	S-1112B50MC-L6J-TF	SOT-23-5	5.0	0.190	150	+/- 1	50	5.5	.48	.44	.40	.33

S-1131 Series

The S-1131 Series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life and a small SOT-89-5 package realizes high-density mounting.

For quantities of 2000 and up, call for quote.

Surface Mount												
628-1131B15UC	S-1131B15UC-N4A-TF	SOT-89-5	1.5	0.250	300	+/- 1	35	6.5	.51	.46	.41	.35
628-1131B18UC	S-1131B18UC-N4D-TF	SOT-89-5	1.8	0.250	300	+/- 1	35	6.5	.51	.46	.41	.35
628-1131B25UC	S-1131B25UC-N4K-TF	SOT-89-5	2.5	0.250	300	+/- 1	35	6.5	.51	.46	.41	.35
628-1131B30UC	S-1131B30UC-N4P-TF	SOT-89-5	3.0	0.250	300	+/- 1	35	6.5	.51	.46	.41	.35
628-1131B33UC	S-1131B33UC-N4S-TF	SOT-89-5	3.3	0.250	300	+/- 1	35	6.5	.51	.46	.41	.35
628-1131B50UC	S-1131B50UC-N5J-TF	SOT-89-5	5.0	0.250	300	+/- 1	35	6.5	.51	.46	.41	.35

S-1165 Series

The S-1165 Series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life and a small SOT-23-5 package realizes high-density mounting.

For quantities of 2000 and up, call for quote.

Surface Mount												
628-1165B15MC	S-1165B15MC-N6A-TF	SOT-23-5	1.5	0.140	200	+/- 1	35	6.5	.53	.48	.43	.36
628-1165B18MC	S-1165B18MC-N6D-TF	SOT-23-5	1.8	0.140	200	+/- 1	35	6.5	.53	.48	.43	.36
628-1165B25MC	S-1165B25MC-N6K-TF	SOT-23-5	2.5	0.140	200	+/- 1	35	6.5	.53	.48	.43	.36
628-1165B30MC	S-1165B30MC-N6P-TF	SOT-23-5	3.0	0.140	200	+/- 1	35	6.5	.53	.48	.43	.36
628-1165B33MC	S-1165B33MC-N6S-TF	SOT-23-5	3.3	0.140	200	+/- 1	35	6.5	.53	.48	.43	.36
628-1165B50MC	S-1165B50MC-N7J-TF	SOT-23-5	5.0	0.140	200	+/- 1	35	6.5	.53	.48	.43	.36

S-1323 Series

The S-1323 series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life. Compared with the voltage regulators using the conventional CMOS process, a larger variety of capacitors are available, including small ceramic capacitors. A small SC-82AB package realizes high-density mounting.

For quantities of 2000 and up, call for quote.

SOT-89-5

Surface Mount												
628-1323B15NB	S-1323B15NB-N8A-TF	SC-82AB	1.5	0.500	150	+/- 1	70	6.5	.46	.42	.38	.32
628-1323B18NB	S-1323B18NB-N8D-TF	SC-82AB	1.8	0.500	150	+/- 1	70	6.5	.46	.42	.38	.32
628-1323B25NB	S-1323B25NB-N8K-TF	SC-82AB	2.5	0.500	150	+/- 1	70	6.5	.46	.42	.38	.32
628-1323B30NB	S-1323B30NB-N8P-TF	SC-82AB	3.0	0.500	150	+/- 1	70	6.5	.46	.42	.38	.32
628-1323B33NB	S-1323B33NB-N8S-TF	SC-82AB	3.3	0.500	150	+/- 1	70	6.5	.46	.42	.38	.32
628-1323B50NB	S-1323B50NB-N9J-TF	SC-82AB	5.0	0.500	150	+/- 1	70	6.5	.46	.42	.38	.32

S-L2980 Series

The S-L2980 series is a low dropout voltage regulator designed for use in battery powered devices and developed using CMOS technology. On-chip low on-resistance on-resistance transistor can provide low dropout voltage and large output current. A power-off switch ensures long battery life. Various types of output capacitors can be used in the S-L2980 series compared with the former CMOS voltage regulators. A small ceramic capacitor can also be used.

For quantities of 2000 and up, call for quote.

Surface Mount												
628-L2980A18MC	S-L2980A18MC-C6DTF	SOT-23-5	1.8	0.160	150	+/- 2	90	10	.51	.46	.41	.35
628-L2980A25MC	S-L2980A25MC-C6KTF	SOT-23-5	2.5	0.130	150	+/- 2	90	10	.51	.46	.41	.35
628-L2980A30MC	S-L2980A30MC-C6PTF	SOT-23-5	3.0	0.120	150	+/- 2	90	10	.51	.46	.41	.35
628-L2980A33MC	S-L2980A33MC-C6STF	SOT-23-5	3.3	0.110	150	+/- 2	90	10	.51	.46	.41	.35
628-L2980A40MC	S-L2980A40MC-C6ZTF	SOT-23-5	4.0	0.110	150	+/- 2	90	10	.51	.46	.41	.35
628-L2980A50MC	S-L2980A50MC-C7JTF	SOT-23-5	5.0	0.110	150	+/- 2	90	10	.51	.46	.41	.35

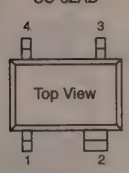
PWM CONTROLLED STEP-UP SWITCHING REGULATORS

S-8330 Series

The S-8330 Series is a CMOS PWM control step-up switching regulator which mainly consists of a reference voltage source, an oscillation circuit, a power MOSFET and an error amplifier. The new output voltage can adjust by a built-in electronic volume circuit and is equipped with a shutdown function. It is a low current consumption device because of the CMOS structure. A step-up switching regulator can be constructed by externally connecting only a coil, a capacitor and a diode.

For quantities of 1000 and up, call for quote.

SC-82AB



MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Maximum Duty Ratio (%)	Oscillation Frequency (kHz) (Typ.)	Current Consumption Operating (μA) (Typ.)	Current Consumption Shutdown (μA) (Max.)	Price Each 1	100	500
Surface Mount										
628-8330A20FS	S-8330A20FS-T2	SSOP-8	2.0	72.0	180.0	100.0	1.0	1.76	1.58	1.41
628-8330A24FS	S-8330A24FS-T2	SSOP-8	2.4	72.0	180.0	100.0	1.0	1.76	1.58	1.41
628-8330A30FS	S-8330A30FS-T2	SSOP-8	3.0	72.0	180.0	100.0	1.0	1.76	1.58	1.41

PWM/PFM CONTROLLED STEP-UP SWITCHING REGULATOR/CONTROLLERS

S-8341 Series

The S-8341 Series consists of CMOS step-up switching regulator/controllers with PWM/PFM switched control. These devices contain a reference voltage source, oscillation circuit, error amplifier, phase compensation circuit, PWM control circuit, and other components. Since the oscillation frequency is a high 600 kHz, with the addition of a small external component, the ICs can function as step-up switching regulators with high efficiency and large output current. The speed of the output stage is enhanced so that the Nch power MOS with a low ON resistance can be switched quickly. This device contains a PWM/PFM switching control circuit so that it operates using PWM control with a duty ratio of 27% or higher and using PFM control with a duty ratio of lower than 27% to ensure high efficiency in all load ranges. These ICs serve as ideal main power supply units for portable devices when coupled with the 8-pin TSSOP package and high oscillation frequencies.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Output Voltage Accuracy	Oscillation Frequency (kHz) (Typ.)	Current Consumption Operating (μA) (Typ.)	Current Consumption Shutdown (μA) (Max.)	Price Each 1	100	500
Surface Mount										
628-8341A30AF	S-8341A30AFT-T2	TSSOP-8	3.0	+/- 2.0 %	600.0	350.0	3.0	1.24	1.12	.99
628-8341A33AF	S-8341A33AFT-T2	TSSOP-8	3.3	+/- 2.0 %	600.0	350.0	3.0	1.24	1.12	.99
628-8341A50AF	S-8341A50AFT-T2	TSSOP-8	5.0	+/- 2.0 %	600.0	630.0	3.0	1.24	1.12	.99

SEIKO INSTRUMENTS Power Management ICs and MOSFETs

SII Seiko Instruments

PFM CONTROLLED STEP-UP SWITCHING REGULATORS

SOT-89-5

S-8351 Series

The S-8351 Series is a CMOS PFM-controlled step-up switching regulator that mainly consists of a reference voltage source, an oscillator, and a comparator. The PFM controller allows the duty ratio to be automatically switched according to the load (light load: 50%, high output current: 75%), enabling products with a low ripple over a wide range, high efficiency, and high output current. With the S-8351 Series, a step-up switching regulator can be configured by using an external coil, capacitor, and diode. The built-in MOSFET is turned off by a protection circuit when the voltage at the CONT pin exceeds the limit to prevent it from being damaged. This feature, along with the mini package and low current consumption, makes the S-8351 Series ideal for applications such as the power supply unit of portable equipment.

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Output Voltage Accuracy	Oscillation Frequency (kHz) (Typ.)	Current Consumption Operating (μA) (Typ.)	Current Consumption Shutdown (μA) (Max.)	Price Each 1	Price Each 100	Price Each 500
Surface Mount										
628-8351A30MC	S-8351A30MC-J2P-T2	SOT-23-5	3.0	+/- 2.4 %	100.0	23.2	0.5	.60	.54	.48
628-8351A33MC	S-8351A33MC-J2S-T2	SOT-23-5	3.3	+/- 2.4 %	100.0	23.2	0.5	.60	.54	.48
628-8351A50MC	S-8351A50MC-J3J-T2	SOT-23-5	5.0	+/- 2.4 %	100.0	42.1	0.5	.60	.54	.48

PWM CONTROLLED STEP-UP SWITCHING REGULATORS

S-8353 Series

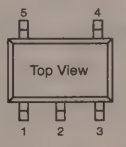
The S-8353 Series is a CMOS step-up switching regulator which mainly consists of a reference voltage source, an oscillation circuit, a power MOSFET, an error amplifier, a phase compensation circuit and a PWM controller. The step-up switching regulator can be configured simply by attaching a coil, capacitor, and diode externally. In addition to the above features, the small package and low power consumption of this series make it ideal for portable device applications requiring high efficiency. The S-8353 Series realizes low ripple, high efficiency, and excellent transient characteristics due to its PWM controller, which can vary the duty ratio linearly from 0% to 83% , optimally-designed error amplifier, and phase compensation circuits.

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Output Voltage Accuracy	Oscillation Frequency (kHz) (Typ.)	Current Consumption Operating (μA) (Typ.)	Current Consumption Shutdown (μA) (Max.)	Price Each 1	Price Each 100	Price Each 500
Surface Mount										
628-8353A27MC	S-8353A27MC-IQM-T2	SOT-23-5	2.7	+/- 2.4 %	50.0	13.3	0.5	.60	.54	.48
628-8353A50MC	S-8353A50MC-IRJ-T2	SOT-23-5	5.0	+/- 2.4 %	50.0	31.0	0.5	.60	.54	.48

PWM/PFM CONTROLLED STEP-UP SWITCHING REGULATORS

SOT-23-5



S-8354 Series

The S-8354 Series is a CMOS step-up switching regulator which mainly consists of a reference voltage source, an oscillation circuit, a power MOSFET, an error amplifier, a phase compensation circuit, and a PWM/PFM switching controller. The step-up switching regulator can be configured simply by attaching a coil, capacitor, and diode externally. In addition to the above features, the small package and low power consumption of this series make it ideal for portable device applications requiring high efficiency. The PWM/PFM switching controller that can switch the operation to a PFM controller with a duty ratio is 15% under a light load to prevent a decline in the efficiency due to the IC operating current.

For quantities of 1000 and up, call for quote

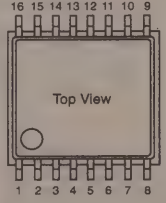
MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Output Voltage Accuracy	Oscillation Frequency (kHz) (Typ.)	Current Consumption Operating (μA) (Typ.)	Current Consumption Shutdown (μA) (Max.)	Price Each 1	Price Each 100	Price Each 500
Surface Mount										
628-8354H30MC	S-8354H30MC-JWP-T2	SOT-23-5	3.0	+/- 2.4 %	250.0	18.7	0.5	.60	.54	.48
628-8354A33MC	S-8354A33MC-JQS-T2	SOT-23-5	3.3	+/- 2.4 %	50.0	18.7	0.5	.60	.54	.48
628-8354A50MC	S-8354A50MC-JRJ-T2	SOT-23-5	5.0	+/- 2.4 %	50.0	31.0	0.5	.60	.54	.48

PWM CONTROLLED STEP-UP/STEP-DOWN SWITCHING REGULATOR/CONTROLLER

S-8460 Series

The S-8460 is a PWM controlled step-up and step-down switching regulator-controller consisting of an automatic-selection control circuit for step-up and step-down, a reference voltage source, an oscillation circuit, an error amplifier, a phase compensation CMOS circuit, etc. The automatic selection control circuit for step-up and step-down in PWM control realizes a high performance step-up and step-down switching regulator operating on one coil. Adopting N-channel power MOS transistors for external switches, in addition, enables high efficiency and high output current. It provides low-ripple output, high-efficiency and excellent transient characteristics which come from the PWM control circuit capable of varying the duty ratio linearly from 0%, the optimized error amplifier and the phase compensation circuit.

TSSOP-16



For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Maximum Duty Ratio (%)	Oscillation Frequency (kHz) (Typ.)	Current Consumption Operating (μA) (Typ.)	Current Consumption Shutdown (μA) (Max.)	Price Each 1	Price Each 100	Price Each 500
Surface Mount										
628-8460B00AF	S-8460B00AFT-TB	TSSOP-16	3.3	78.0	300.0	900.0	2.0	2.78	2.50	2.22

PWM/PFM CONTROLLED STEP-DOWN SWITCHING REGULATOR/CONTROLLERS

S-8521 Series

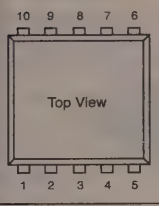
The S-8521 Series consists of a CMOS step-down switching regulator/controllers with PWM/PFM-switched control. These devices contain a reference voltage source, oscillation circuit, error amplifier and other components. It works in either PWM control or PFM control and can switch from one to the other. It normally operates using PWM control with a duty ratio of 25% to 100%, but under a light load, it automatically switches to PFM control with a duty ratio of 25%. This ensures high efficiency over a wide range of conditions, from standby mode to operation of peripheral equipment. With the addition of an external P-Channel MOSFET or PNP transistor, a coil, capacitors and a diode connected externally, these can function as step-down switching regulators.

For quantities of 1000 and up, call for quote

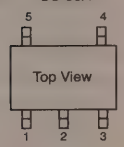
MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Input Power Voltage (V) (Max.)	Oscillation Frequency (kHz) (Typ.)	Current Consumption Operating (μA) (Typ.)	Current Consumption Shutdown (μA) (Max.)	Price Each 1	Price Each 100	Price Each 500
Surface Mount										
628-8521A25MC	S-8521A25MC-AXK-T2	SOT-23-5	2.5	10.0	180.0	35.0	0.5	1.06	.95	.85
628-8521A30MC	S-8521A30MC-AXP-T2	SOT-23-5	3.0	10.0	180.0	35.0	0.5	1.06	.95	.85
628-8521A33MC	S-8521A33MC-AXS-T2	SOT-23-5	3.3	10.0	180.0	35.0	0.5	1.06	.95	.85
628-8521A50MC	S-8521A50MC-AYJ-T2	SOT-23-5	5.0	10.0	180.0	35.0	0.5	1.06	.95	.85

Power Management ICs and Voltage Regulators

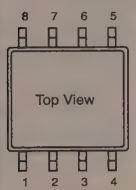
SON-10B



SC-88A

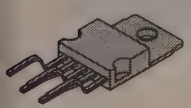


MSOP-8



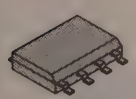
NEW SUPPLIER

TO-220



NEW SUPPLIER

SO-8

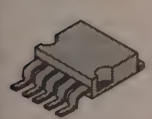


NEW SUPPLIER

TO-263

NEW SUPPLIER

SC-63



SII Seiko Instruments S-8813 SERIES CHARGE PUMP DC-DC CONVERTER, SURFACE MOUNT

The S-8813 Series is a PFM controlled charge pump DC-DC converter with a built-in constant-current circuit, and was developed using CMOS technology. Its constant current output makes this series ideal as a power supply for current drive LEDs. The S-8813 Series features three output channels and can drive three LEDs. Since small ceramic capacitors can be used as external capacitors (pump capacitors, input capacitors, output capacitors), the S-8813 Series contributes to set miniaturization.

- PFM control CMOS charge pump
- Built-in constant current circuit

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Input Volt Range (V)	Soft start time (ms)(typ)	Output Current Characteristics (mA)(typ)	Oscillation Freq. (kHz)(Typ)	Terminal Output Curr. Matching (%)	Price Each 1	100	500
628-881300CPE	S-881300CPE-IPA-TF	SON-10B	2.7 to 4.5	1.5	0.5	600	+/- 1.0	1.76	1.58	1.41

SII Seiko Instruments S-89431 SERIES RAIL-TO-RAIL CMOS OPERATIONAL AMPLIFIERS, SURFACE MOUNT

The S-8943xA/B series are CMOS type operational amplifiers that feature Rail-to-Rail I/O and an internal phase compensation circuit. These features enable driving at a lower voltage (from 0.9V) and with lower current consumption (0.5 μA typ.) than existing general-purpose operational amplifiers, making the S-8943xA/B series ideal for use in battery-powered compact portable devices. The S-8943xA series is a single operational amplifier, with one circuit incorporated in the ultra-small SC-88A. The S-8943xB Series is a dual operational amplifier, with two circuits incorporated in the slim and small 8-pin MSOP package.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Single Dual Quad Triple	Input Offset Voltage (mV)(Max)	Input Bias Current (pA)(Typ)	Gain Bandwidth Product (kHz)(Typ)	Slew Rate (V/mS) (Typ)	Supply Voltage (V) (Max)	Supply Current (uA) (Max)	Temp. Range (°C)	Price Each 1	100	500
628-89431ACNC	S-89431ACNC-HBV-TF	SC-88A	Single	5.0	1.0	4.8	5.0	7.0	0.9	-40 to +85	.46	.41	.37
628-89431BCFN	S-89431BCFN-HEV-TF	MSOP-8	Dual	5.0	1.0	4.8	5.0	7.0	0.9	-40 to +85	.74	.67	.59

SII Seiko Instruments S-89110 SERIES LOW CURRENT CONSUMPTION CMOS OPERATIONAL AMPLIFIERS, SURFACE MOUNT

The mini-analog series mounts a general purpose analog circuit within a small package. The S-89110A is a CMOS type single operational amplifier having a phase compensation circuit, that can be driven by lower voltage with lower consumption current than former bipolar operational amplifiers. This makes it the optimum solution for small battery powered portable equipment.

For quantities of 1000 and up, call for quote.

628-89110ANC	S-89110ANC-1A1-TF	SC-88A	Single	4.0	1.0	180.0	0.07	10.0	50.0	-40 to +85	.32	.29	.26

SII Seiko Instruments VOLTAGE COMPARATORS, SURFACE MOUNT

S-89531 Series

The mini analog series is a group of ICs that incorporates a general purpose analog circuit in an ultra-small packages. The S-89530A/89531A Series are CMOS type comparators that feature rail-to-rail input/out and can be driven at a lower voltage and with lower current consumpsion than existing compartors, making them ideal for use in battery-powered compact portable devices.

Features:
- Lower operating voltage than the conventiona general purpose comparators: VDD = 1.8 to 5.5V
- Low current comsumption: IDD = 50 uA
- Low input offset voltage: 4.0 mV (max)

Applications:
- Celluar phones
- Digital cameras
- PDAs
- Digital Video Cameras
- Notebook PCs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Single Dual Quad	Input Offset Voltage Max (mV)	Input Bias Current Typ. (pA)	Rise Time Typ. (us)	Supply Currents Positive Typ/Max (us)	Supply Currents Negative Typ/Max (uA)	Oper. Temp. Range (°C)	Price Each 1	100	500
628-89531ACNC	S-89531ACNC-HCC-TF	SC-88A	Single	5.0	1.0	5.0	0.7/1.3	0.25/0.5	-40 to +85	.46	.41	.37
628-89531BCPN	S-89531BCPN-HFC-TF	SON-8A	Dual	5.0	1.0	5.0	0.7/1.3	0.25/0.5	-40 to +85	.78	.70	.62

S-89210 Series

The mini-analog series is a group of ICs that incorporates a general purpose analog circuit in a small package. The S-89210A is a CMOS type comparator that has a phase compensation circuit, and that can be driven at a lower voltage with lower current consumption than existing bipolar comparators. These features make this product the ideal solution for small battery-powered portable equipment.

Features:
- Lower operating voltage than the conventional general purpose comparators: VDD = 1.8 to 5.5V
- Low current comsumption: IDD = 50 uA
- Low input offset voltage: 4.0 mV (max)

Applications:
- Celluar phones
- Digital cameras
- PDAs
- Digital Video Cameras
- Notebook PCs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Single Dual Quad	Input Offset Voltage Max (mV)	Input Bias Current Typ. (pA)	Rise Time Typ. (us)	Source Current Min. (uA)	Sink Current Min (mA)	Oper. Temp. Range (°C)	Price Each 1	100	500
628-89210ACNC	S-89210ACNC-1C0-TF	SC-88A	Single	4.0	1.0	45.0	120.0	9	-40 to +85	.32	.29	.26

SHARP MICROELECTRONICS OF THE AMERICAS CHOPPER REGULATORS

NEW SUPPLIER

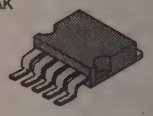
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Sharp Part No.	Package	Type	Frequency Oscillation	Input Voltage max.	Switching Current	Price Each 1	10	25	50
852-PQ1CG2032FZH	PQ1CG2032FZH	TO-220	Switching	70kHz	40V	3.5A	2.98	2.55	2.13	1.70
852-PQ1CG2032RZH	PQ1CG2032RZH	TO-220	Switching	70kHz	40V	3.5A	2.98	2.55	2.13	1.70
852-PQ1CG21H2FZH	PQ1CG21H2FZH	TO-220	Switching	100kHz	40V	1.5A	2.66	2.28	1.90	1.52
852-PQ1CG21H2RZH	PQ1CG21H2RZH	TO-220	Switching	100kHz	40V	1.5A	2.52	2.16	1.80	1.44
852-PQ1CG3032FZH	PQ1CG3032FZH	TO-220	Switching	150kHz	40V	3.5A	2.98	2.55	2.13	1.70
852-PQ1CG3032RZH	PQ1CG3032RZH	TO-220	Switching	150kHz	40V	3.5A	2.98	2.55	2.13	1.70
852-PQ1CG38M2FZH	PQ1CG38M2FZH	TO-220	Switching	300kHz	40V	0.8A	2.17	1.86	1.55	1.24
852-PQ1CG38M2RZH	PQ1CG38M2RZH	TO-220	Switching	300kHz	40V	0.8A	2.17	1.86	1.55	1.24
852-PQ1CG41H2FZH	PQ1CG41H2FZH	TO-220	Switching	300kHz	40V	1.5A	2.17	1.86	1.55	1.24
852-PQ1CG41H2RZH	PQ1CG41H2RZH	TO-220	Switching	300kHz	40V	1.5A	2.07	1.77	1.48	1.18
852-PQ1CX12H2ZPQ	PQ1CX12H2ZPQ	SO-8	Bootstrap	150kHz	33V	2.5A	3.71	3.18	2.65	2.12
852-PQ1CY1032ZPH	PQ1CY1032ZPH	TO-263	Switching	150kHz	40V	3.5A	3.29	2.82	2.35	1.88
852-PQ1CY1032ZZH	PQ1CY1032ZZH	TO-263	Switching	150kHz	40V	3.5A	3.29	2.82	2.35	1.88
852-PQ1CZ21H2ZPH	PQ1CZ21H2ZPH	SC-63	Switching	100kHz	40V	1.5A	3.01	2.58	2.15	1.72
852-PQ1CZ21H2ZZH	PQ1CZ21H2ZZH	SC-63	Switching	100kHz	40V	1.5A	3.19	2.73	2.28	1.82
852-PQ1CZ38M2ZPH	PQ1CZ38M2ZPH	SC-63	Switching	300kHz	40V	0.8A	1.93	1.65	1.38	1.10
852-PQ1CZ38M2ZZH	PQ1CZ38M2ZZH	SC-63	Switching	300kHz	40V	0.8A	1.93	1.65	1.38	1.10
852-PQ1CZ41H2ZPH	PQ1CZ41H2ZPH	SC-63	Switching	300kHz	40V	1.5A	2.07	1.77	1.48	1.18
852-PQ1CZ41H2ZZH	PQ1CZ41H2ZZH	SC-63	Switching	300kHz	40V	1.5A	2.17	1.86	1.55	1.24

SHARP MICROELECTRONICS OF THE AMERICAS LDO VOLTAGE REGULATORS

MOUSER STOCK NO.	Sharp Part No.	Pkg.	Input	Input Voltage		Current	Price Each			
				Min (%)	Max (%)		1	10	25	50
852-PQ015YZ5MZPH	PQ015YZ5MZPH	SC-63	Adjustable	1.5V	7.0V	0.5A	1.30	1.11	.93	.74
852-PQ035ZN01ZPH	PQ035ZN01ZPH	SC-63	Adjustable	0.8V	3.5V	1A	1.12	.96	.80	.64
852-PQ035ZN1HZPH	PQ035ZN1HZPH	SC-63	Adjustable	0.8V	3.5V	1.5A	1.65	1.41	1.18	.94
852-PQ05VY053ZPH	PQ05VY053ZPH	TO-263	Adjustable	1.5V	5.0V	5A	3.99	3.42	2.85	2.28
852-PQ05VY3H3ZPH	PQ05VY3H3ZPH	TO-263	Adjustable	1.5V	5.0V	3.5A	3.78	3.24	2.70	2.16
852-PQ070VK01FZH	PQ070VK01FZH	TO-220	Adjustable	1.5V	7.0V	1A	1.47	1.26	1.05	.84
852-PQ070VK02FZH	PQ070VK02FZH	TO-220	Adjustable	1.5V	7.0V	2A	2.07	1.77	1.48	1.18
852-PQ070XF01SZH	PQ070XF01SZH	TO-220	Adjustable	1.5V	7.0V	1A	1.26	1.08	.90	.72
852-PQ070XF02SZH	PQ070XF02SZH	TO-220	Adjustable	1.5V	7.0V	2A	1.72	1.47	1.23	.98
852-PQ070XH01ZPH	PQ070XH01ZPH	TO-263	Adjustable	1.5V	7.0V	1A	1.65	1.41	1.18	.94
852-PQ070XH02ZPH	PQ070XH02ZPH	TO-263	Adjustable	1.5V	7.0V	2A	2.07	1.77	1.48	1.18
852-PQ070XNA1ZPH	PQ070XNA1ZPH	SC-63	Adjustable	1.5V	7.0V	1A	1.58	1.35	1.13	.90
852-PQ070XZ02ZPH	PQ070XZ02ZPH	SC-63	Adjustable	1.5V	7.0V	2A	1.86	1.59	1.33	1.06
852-PQ070XZ1HZPH	PQ070XZ1HZPH	SC-63	Adjustable	1.5V	7.0V	1.5A	1.89	1.62	1.35	1.08
852-PQ070XZ5MZPH	PQ070XZ5MZPH	SC-63	Adjustable	1.5V	7.0V	0.5A	1.58	1.35	1.13	.90
852-PQ07VR5MAZPH	PQ07VR5MAZPH	SC-63	Adjustable	1.5V	7.0V	0.5A	1.40	1.20	1.00	.80
852-PQ07VZ012ZPH	PQ07VZ012ZPH	SC-63	Adjustable	1.5V	7.0V	1A	1.89	1.62	1.35	1.08
852-PQ07VZ5M2ZPH	PQ07VZ5M2ZPH	SC-63	Adjustable	1.5V	7.0V	0.5A	1.96	1.68	1.40	1.12
852-PQ150VB01FZH	PQ150VB01FZH	TO-220	Adjustable	1.5V	15.0V	1A	1.82	1.56	1.30	1.04
852-PQ150VB02FZH	PQ150VB02FZH	TO-220	Adjustable	1.5V	15.0V	2A	1.96	1.68	1.40	1.12
852-PQ15RW08J00H	PQ15RW08J00H	TO-220	Adjustable	3.5V	15.0V	0.8A	1.58	1.35	1.13	.90
852-PQ15RW11J00H	PQ15RW11J00H	TO-220	Adjustable	3.5V	15.0V	1A	1.58	1.35	1.13	.90
852-PQ15RW1BJ00H	PQ15RW1BJ00H	TO-220	Adjustable	3.5V	15.0V	1A	1.75	1.50	1.25	1.00
852-PQ15RW21J00H	PQ15RW21J00H	TO-220	Adjustable	3.5V	15.0V	2A	2.28	1.95	1.63	1.30
852-PQ1MX55M2SPQ	PQ1MX55M2SPQ	SOT-89	Adjustable	1.3V	5.0V	0.5A	.70	.60	.50	.40
852-PQ200WNA1ZPH	PQ200WNA1ZPH	SC-63	Adjustable	3.0V	20.0V	1A	1.05	.90	.75	.60
852-PQ20RX05J00H	PQ20RX05J00H	TO-220	Adjustable	3.0V	20.0V	0.5A	1.82	1.56	1.30	1.04
852-PQ20RX11J00H	PQ20RX11J00H	TO-220	Adjustable	3.0V	20.0V	1A	1.89	1.62	1.35	1.08
852-PQ7DV10BJ00H	PQ7DV10BJ00H	TO-3P	Adjustable	1.5V	7.0V	10A	11.97	10.26	8.55	6.84
852-PQ7DV10J000H	PQ7DV10J000H	TO-3P	Adjustable	1.5V	7.0V	10A	12.15	10.41	8.68	6.94
852-PQ7DV5J0000H	PQ7DV5J0000H	TO-220	Adjustable	1.5V	7.0V	5A	7.98	6.84	5.70	4.56
852-PQ7RV4J0000H	PQ7RV4J0000H	TO-220	Adjustable	1.5V	7.0V	4A	5.32	4.56	3.80	3.04
852-PQ008GN01ZPH	PQ008GN01ZPH	SC-63	Fixed	-	0.8V	1A	1.09	.93	.78	.62
852-PQ010FZ5MZPH	PQ010FZ5MZPH	SC-63	Fixed	-	1.0V	0.5A	1.30	1.11	.93	.74
852-PQ010GN01ZPH	PQ010GN01ZPH	SC-63	Fixed	-	1.0V	1A	1.09	.93	.78	.62
852-PQ012FZ5MZPH	PQ012FZ5MZPH	SC-63	Fixed	-	1.2V	0.5A	1.30	1.11	.93	.74
852-PQ012GN01ZPH	PQ012GN01ZPH	SC-63	Fixed	-	1.2V	1A	1.09	.93	.78	.62
852-PQ015EF01SZH	PQ015EF01SZH	TO-220	Fixed	-	1.5V	1A	1.26	1.08	.90	.72
852-PQ015EF02SZH	PQ015EF02SZH	TO-220	Fixed	-	1.5V	2A	1.72	1.47	1.23	.98
852-PQ015EH01ZPH	PQ015EH01ZPH	TO-263	Fixed	-	1.5V	1A	1.65	1.41	1.18	.94
852-PQ015EH02ZPH	PQ015EH02ZPH	TO-263	Fixed	-	1.5V	2A	2.07	1.77	1.48	1.18
852-PQ015EN5MZPH	PQ015EN5MZPH	SC-63	Fixed	-	1.5V	0.5A	1.51	1.29	1.08	.86
852-PQ015ENA1ZPH	PQ015ENA1ZPH	SC-63	Fixed	-	1.5V	1A	1.58	1.35	1.13	.90
852-PQ015EZ02ZPH	PQ015EZ02ZPH	SC-63	Fixed	-	1.5V	2A	1.93	1.65	1.38	1.10
852-PQ015EZ1HZPH	PQ015EZ1HZPH	SC-63	Fixed	-	1.5V	1.5A	1.89	1.62	1.35	1.08
852-PQ015Y053ZPH	PQ015Y053ZPH	TO-263	Fixed	-	1.5V	5A	3.99	3.42	2.85	2.28
852-PQ015Y3H3ZPH	PQ015Y3H3ZPH	TO-263	Fixed	-	1.5V	3.5A	3.71	3.18	2.65	2.12
852-PQ018EF01SZH	PQ018EF01SZH	TO-220	Fixed	-	1.8V	1A	1.26	1.08	.90	.72
852-PQ018EF02SZH	PQ018EF02SZH	TO-220	Fixed	-	1.8V	2A	1.72	1.47	1.23	.98
852-PQ018EH01ZPH	PQ018EH01ZPH	TO-263	Fixed	-	1.8V	1A	1.65	1.41	1.18	.94
852-PQ018EH02ZPH	PQ018EH02ZPH	TO-263	Fixed	-	1.8V	2A	2.07	1.77	1.48	1.18
852-PQ018EN5MZPH	PQ018EN5MZPH	TO-263	Fixed	-	1.8V	0.5A	1.51	1.29	1.08	.86
852-PQ018ENA1ZPH	PQ018ENA1ZPH	SC-63	Fixed	-	1.8V	1A	1.58	1.35	1.13	.90
852-PQ018EZ02ZPH	PQ018EZ02ZPH	SC-63	Fixed	-	1.8V	2A	1.86	1.59	1.33	1.06
852-PQ018EZ1HZPH	PQ018EZ1HZPH	SC-63	Fixed	-	1.8V	1.5A	1.89	1.62	1.35	1.08
852-PQ025EF01SZH	PQ025EF01SZH	TO-220	Fixed	-	2.5V	1A	1.26	1.08	.90	.72
852-PQ025EF02SZH	PQ025EF02SZH	TO-220	Fixed	-	2.5V	2A	1.72	1.47	1.23	.98
852-PQ025EH01ZPH	PQ025EH01ZPH	TO-263	Fixed	-	2.5V	1A	1.65	1.41	1.18	.94
852-PQ025EH02ZPH	PQ025EH02ZPH	TO-263	Fixed	-	2.5V	2A	2.07	1.77	1.48	1.18
852-PQ025EN5MZPH	PQ025EN5MZPH	SC-63	Fixed	-	2.5V	0.5A	1.51	1.29	1.08	.86
852-PQ025ENA1ZPH	PQ025ENA1ZPH	SC-63	Fixed	-	2.5V	1A	1.58	1.35	1.13	.90
852-PQ025EZ02ZPH	PQ025EZ02ZPH	SC-63	Fixed	-	2.5V	2A	1.86	1.59	1.33	1.06
852-PQ025EZ1HZPH	PQ025EZ1HZPH	SC-63	Fixed	-	2.5V	1.5A	1.89	1.62	1.35	1.08
852-PQ025Y053ZPH	PQ025Y053ZPH	TO-263	Fixed	-	2.5V	5A	3.99	3.42	2.85	2.28
852-PQ025Y3H3ZPH	PQ025Y3H3ZPH	TO-263	Fixed	-	2.5V	3.5A	3.71	3.18	2.65	2.12
852-PQ030EN5MZPH	PQ030EN5MZPH	SC-63	Fixed	-	3.0V	0.5A	1.51	1.29	1.08	.86
852-PQ030EZ01ZPH	PQ030EZ01ZPH	SC-63	Fixed	-	3.0V	1A	1.65	1.41	1.18	.94
852-PQ030EZ1HZPH	PQ030EZ1HZPH	SC-63	Fixed	-	3.0V	1.5A	1.89	1.62	1.35	1.08
852-PQ033DNA1ZPH	PQ033DNA1ZPH	SC-63	Fixed	-	3.3V	1A	.84	.72	.60	.48
852-PQ033EF01SZH	PQ033EF01SZH	TO-220	Fixed	-	3.3V	1A	1.26	1.08	.90	.72
852-PQ033EF02SZH	PQ033EF02SZH	TO-220	Fixed	-	3.3V	2A	1.72	1.47	1.23	.98
852-PQ033EN5MZPH	PQ033EN5MZPH	SC-63	Fixed	-	3.3V	0.5A	1.51	1.29	1.08	.86
852-PQ033ENA1ZPH	PQ033ENA1ZPH	SC-63	Fixed	-	3.3V	1A	1.58	1.35	1.13	.90
852-PQ033ES1MXPQ	PQ033ES1MXPQ	TO-92	Fixed	-	3.3V	0.15A	.63	.54	.45	.36
852-PQ033ES3MXPQ	PQ033ES3MXPQ	TO-92	Fixed	-	3.3V	0.3A	.67	.57	.48	.38
852-PQ033EZ1HZPH	PQ033EZ1HZPH	SC-63	Fixed	-	3.3V	1.5A	1.89	1.62	1.35	1.08
852-PQ033RD01SZH	PQ033RD01SZH	TO-220	Fixed	-	3.3V	1A	1.02	.87	.73	.58
852-PQ033Y053ZPH	PQ033Y053ZPH	TO-263	Fixed	-	3.3V	5A	3.99	3.42	2.85	2.28
852-PQ033Y3H3ZPH	PQ033Y3H3ZPH	TO-263	Fixed	-	3.3V	3.5A	3.71	3.18	2.65	2.12
852-PQ050DNA1ZPH	PQ050DNA1ZPH	SC-63	Fixed	-	5.0V	1A	.84	.72	.60	.48

PPAK



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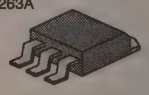

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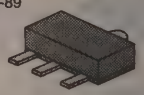

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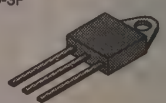
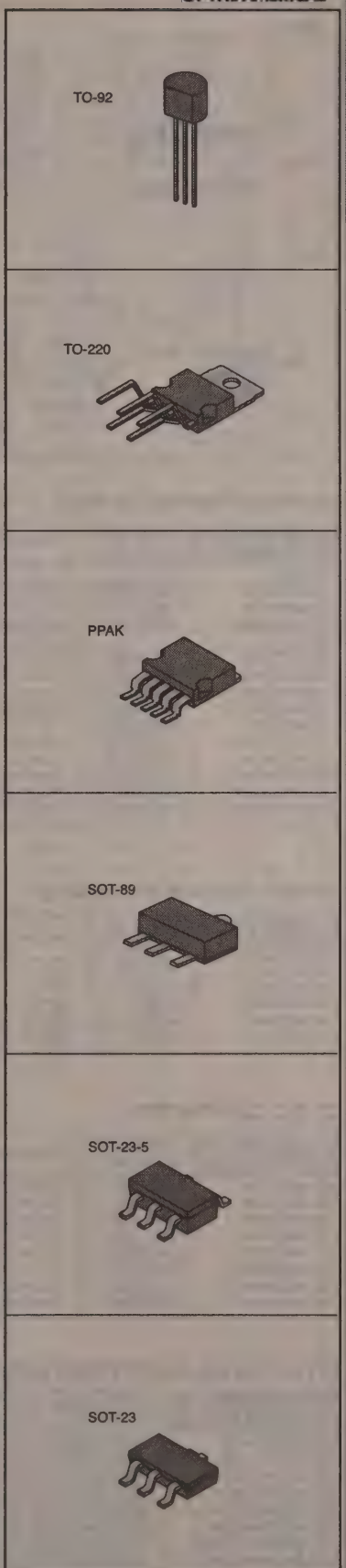


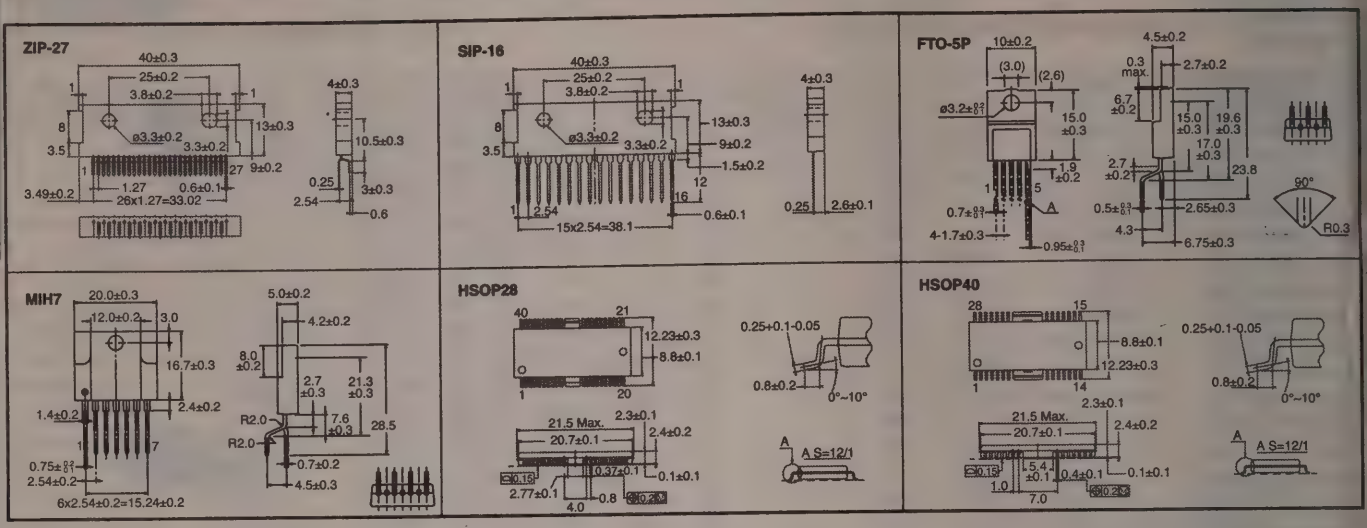
LDO VOLTAGE REGULATORS (Cont.)

MOUSER STOCK NO.	Sharp Part No.	Pkg.	Input	Input Voltage		Current	Price Each			
				Min (%)	Max (%)		1	10	25	50
852-PQ050ES1MXPQ	PQ050ES1MXPQ	TO-92	Fixed	-	5.0V	0.15A	.63	.54	.45	.36
852-PQ050ES3MXPQ	PQ050ES3MXPQ	TO-92	Fixed	-	5.0V	0.3A	.67	.57	.48	.38
852-PQ050RDA1MZH	PQ050RDA1MZH	TO-220	Fixed	-	5.0V	1A	1.12	.96	.80	.64
852-PQ050RDA1SZH	PQ050RDA1SZH	TO-220	Fixed	-	5.0V	1A	1.05	.90	.75	.60
852-PQ05RD21J00H	PQ05RD21J00H	TO-220	Fixed	-	5.0V	2A	2.24	1.92	1.60	1.28
852-PQ080DNA1ZPH	PQ080DNA1ZPH	SC-63	Fixed	-	8.0V	1A	.84	.72	.60	.48
852-PQ080RDA1SZH	PQ080RDA1SZH	TO220	Fixed	-	8.0V	1A	1.05	.90	.75	.60
852-PQ090DNA1ZPH	PQ090DNA1ZPH	SC-63	Fixed	-	9.0V	1A	.84	.72	.60	.48
852-PQ090RDA1SZH	PQ090RDA1SZH	TO-220	Fixed	-	9.0V	1A	1.05	.90	.75	.60
852-PQ120DNA1ZPH	PQ120DNA1ZPH	SC-63	Fixed	-	12.0V	1A	.84	.72	.60	.48
852-PQ120RDA1SZH	PQ120RDA1SZH	TO-220	Fixed	-	12.0V	1A	1.05	.90	.75	.60
852-PQ12RD8SJ00H	PQ12RD8SJ00H	TO-220	Fixed	-	12.0V	0.8A	1.26	1.08	.90	.72
852-PQ1KA153MZPH	PQ1KA153MZPH	SOT-23	Fixed	-	1.5V	0.3A	.60	.51	.43	.34
852-PQ1KA183MZPH	PQ1KA183MZPH	SOT-23	Fixed	-	1.8V	0.3A	.60	.51	.43	.34
852-PQ1KA213MZPH	PQ1KA213MZPH	SOT-23	Fixed	-	2.1V	0.3A	.60	.51	.43	.34
852-PQ1KA253MZPH	PQ1KA253MZPH	SOT-23	Fixed	-	2.5V	0.3A	.60	.51	.43	.34
852-PQ1KA303MZPH	PQ1KA303MZPH	SOT-23	Fixed	-	3.0V	0.3A	.60	.51	.43	.34
852-PQ1KA333MZPH	PQ1KA333MZPH	SOT-23	Fixed	-	3.3V	0.3A	.60	.51	.43	.34
852-PQ1KA343MZPH	PQ1KA343MZPH	SOT-23	Fixed	-	3.4V	0.3A	.60	.51	.43	.34
852-PQ1KA353MZPH	PQ1KA353MZPH	SOT-23	Fixed	-	3.5V	0.3A	.60	.51	.43	.34
852-PQ1KA423MZPH	PQ1KA423MZPH	SOT-23	Fixed	-	4.2V	0.3A	.60	.51	.43	.34
852-PQ1KA503MZPH	PQ1KA503MZPH	SOT-23	Fixed	-	5.0V	0.3A	.60	.51	.43	.34
852-PQ1KA903MZPH	PQ1KA903MZPH	SOT-23	Fixed	-	9.0V	0.3A	.60	.51	.43	.34
852-PQ1LA153MSPQ	PQ1LA153MSPQ	SOT-89	Fixed	-	1.5V	0.3A	.56	.48	.40	.32
852-PQ1LA183MSPQ	PQ1LA183MSPQ	SOT-89	Fixed	-	1.8V	0.3A	.56	.48	.40	.32
852-PQ1LA253MSPQ	PQ1LA253MSPQ	SOT-89	Fixed	-	2.5V	0.3A	.56	.48	.40	.32
852-PQ1LA303MSPQ	PQ1LA303MSPQ	SOT-89	Fixed	-	3.0V	0.3A	.56	.48	.40	.32
852-PQ1LA333MSPQ	PQ1LA333MSPQ	SOT-89	Fixed	-	3.3V	0.3A	.56	.48	.40	.32
852-PQ1LA503MSPQ	PQ1LA503MSPQ	SOT-89	Fixed	-	5.0V	0.3A	.56	.48	.40	.32
852-PQ1LA903MSPQ	PQ1LA903MSPQ	SOT-89	Fixed	-	5.0V	0.3A	.56	.48	.40	.32
852-PQ1M185M2SPQ	PQ1M185M2SPQ	SOT-89	Fixed	-	1.8V	0.5A	.70	.60	.50	.40
852-PQ1M255M2SPQ	PQ1M255M2SPQ	SOT-89	Fixed	-	2.5V	0.5A	.70	.60	.50	.40
852-PQ1M335M2SPQ	PQ1M335M2SPQ	SOT-89	Fixed	-	3.3V	0.5A	.70	.60	.50	.40
852-PQ1M505M2SPQ	PQ1M505M2SPQ	SOT-89	Fixed	-	5.0V	0.5A	.70	.60	.50	.40
852-PQ1N253MASPQ	PQ1N253MASPQ	SOT-89	Fixed	-	2.5V	0.35A	.74	.63	.53	.42
852-PQ1N333MASPQ	PQ1N333MASPQ	SOT-89	Fixed	-	3.3V	0.35A	.74	.63	.53	.42
852-PQ1U181M2ZPH	PQ1U181M2ZPH	SOT-23-5	Fixed	-	1.8V	0.18A	.70	.60	.50	.40
852-PQ1U201M2ZPH	PQ1U201M2ZPH	SOT-23-5	Fixed	-	2.0V	0.18A	.70	.60	.50	.40
852-PQ1U221M2ZPH	PQ1U221M2ZPH	SOT-23-5	Fixed	-	2.2V	0.18A	.70	.60	.50	.40
852-PQ1U231M2ZPH	PQ1U231M2ZPH	SOT-23-5	Fixed	-	2.3V	0.18A	.70	.60	.50	.40
852-PQ1U251M2ZPH	PQ1U251M2ZPH	SOT-23-5	Fixed	-	2.5V	0.18A	.70	.60	.50	.40
852-PQ1U271M2ZPH	PQ1U271M2ZPH	SOT-23-5	Fixed	-	2.7V	0.18A	.70	.60	.50	.40
852-PQ1U281M2ZPH	PQ1U281M2ZPH	SOT-23-5	Fixed	-	2.8V	0.18A	.70	.60	.50	.40
852-PQ1U291M2ZPH	PQ1U291M2ZPH	SOT-23-5	Fixed	-	2.9V	0.18A	.70	.60	.50	.40
852-PQ1U301M2ZPH	PQ1U301M2ZPH	SOT-23-5	Fixed	-	3.0V	0.18A	.70	.60	.50	.40
852-PQ1U311M2ZPH	PQ1U311M2ZPH	SOT-23-5	Fixed	-	3.1V	0.18A	.70	.60	.50	.40
852-PQ1U321M2ZPH	PQ1U321M2ZPH	SOT-23-5	Fixed	-	3.2V	0.18A	.70	.60	.50	.40
852-PQ1U331M2ZPH	PQ1U331M2ZPH	SOT-23-5	Fixed	-	3.3V	0.18A	.70	.60	.50	.40
852-PQ1U341M2ZPH	PQ1U341M2ZPH	SOT-23-5	Fixed	-	3.4V	0.18A	.70	.60	.50	.40
852-PQ1U351M2ZPH	PQ1U351M2ZPH	SOT-23-5	Fixed	-	3.5V	0.18A	.70	.60	.50	.40
852-PQ1U361M2ZPH	PQ1U361M2ZPH	SOT-23-5	Fixed	-	3.6V	0.18A	.70	.60	.50	.40
852-PQ1U381M2ZPH	PQ1U381M2ZPH	SOT-23-5	Fixed	-	3.8V	0.18A	.70	.60	.50	.40
852-PQ1U401M2ZPH	PQ1U401M2ZPH	SOT-23-5	Fixed	-	4.0V	0.18A	.70	.60	.50	.40
852-PQ1U441M2ZPH	PQ1U441M2ZPH	SOT-23-5	Fixed	-	4.4V	0.18A	.70	.60	.50	.40
852-PQ1U471M2ZPH	PQ1U471M2ZPH	SOT-23-5	Fixed	-	4.7V	0.18A	.70	.60	.50	.40
852-PQ1U491M2ZPH	PQ1U491M2ZPH	SOT-23-5	Fixed	-	4.9V	0.18A	.70	.60	.50	.40
852-PQ1U501M2ZPH	PQ1U501M2ZPH	SOT-23-5	Fixed	-	5.0V	0.18A	.70	.60	.50	.40
852-PQ1U521M2ZPH	PQ1U521M2ZPH	SOT-23-5	Fixed	-	5.2V	0.18A	.70	.60	.50	.40
852-PQ1X251M2ZPH	PQ1X251M2ZPH	SOT-23-5	Fixed	-	2.5V	0.18A	.60	.51	.43	.34
852-PQ1X281M2ZPH	PQ1X281M2ZPH	SOT-23-5	Fixed	-	2.8V	0.18A	.60	.51	.43	.34
852-PQ1X291M2ZPH	PQ1X291M2ZPH	SOT-23-5	Fixed	-	2.9V	0.18A	.60	.51	.43	.34
852-PQ1X301M2ZPH	PQ1X301M2ZPH	SOT-23-5	Fixed	-	3.0V	0.18A	.60	.51	.43	.34
852-PQ1X331M2ZPH	PQ1X331M2ZPH	SOT-23-5	Fixed	-	3.3V	0.18A	.60	.51	.43	.34
852-PQ1X361M2ZPH	PQ1X361M2ZPH	SOT-23-5	Fixed	-	3.6V	0.18A	.60	.51	.43	.34
852-PQ1X381M2ZPH	PQ1X381M2ZPH	SOT-23-5	Fixed	-	3.8V	0.18A	.60	.51	.43	.34
852-PQ1X401M2ZPH	PQ1X401M2ZPH	SOT-23-5	Fixed	-	4.0V	0.18A	.60	.51	.43	.34
852-PQ1X421M2ZPH	PQ1X421M2ZPH	SOT-23-5	Fixed	-	4.2V	0.18A	.60	.51	.43	.34
852-PQ1X451M2ZPH	PQ1X451M2ZPH	SOT-23-5	Fixed	-	4.5V	0.18A	.60	.51	.43	.34
852-PQ1X501M2ZPH	PQ1X501M2ZPH	SOT-23-5	Fixed	-	5.0V	0.18A	.60	.51	.43	.34
852-PQ3RD083J00H	PQ3RD083J00H	TO-220	Fixed	-	3.3V	0.8A	1.58	1.35	1.13	.90
852-PQ3RD13BJ00H	PQ3RD13BJ00H	TO-220	Fixed	-	3.3V	1A	1.68	1.44	1.20	.96
852-PQ3RD13J000H	PQ3RD13J000H	TO-220	Fixed	-	3.3V	1A	1.58	1.35	1.13	.90
852-PQ3RD23J000H	PQ3RD23J000H	TO-220	Fixed	-	3.3V	2A	2.24	1.92	1.60	1.28
852-PQ3RF33J000H	PQ3RF33J000H	TO-220	Fixed	-	3.3V	3A	4.45	3.81	3.18	2.54
852-PQ5EV3J0000H	PQ5EV3J0000H	TO-220	Fixed	-	5.0V	3A	3.71	3.18	2.65	2.12
852-PQ5EV5J0000H	PQ5EV5J0000H	TO-220	Fixed	-	5.0V	5A	3.99	3.42	2.85	2.28
852-PQ5EV7J0000H	PQ5EV7J0000H	TO-220	Fixed	-	5.0V	7A	4.48	3.84	3.20	2.56
852-PQ5EV7LJ000H	PQ5EV7LJ000H	TO-220	Fixed	-	5.0V	7A	4.55	3.90	3.25	2.60
852-PQ6RD083J00H	PQ6RD083J00H	TO-220	Fixed	-	6.3V	0.8A	1.58	1.35	1.13	.90
852-PQ6RD83BJ00H	PQ6RD83BJ00H	TO-220	Fixed	-	6.3V	0.8A	1.61	1.38	1.15	.92



SHINDENGEN Power Management Products

Shindengen America, Inc.



STEPPING MOTOR DEVICES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shindengen Part No.	Package	Absolute Maximum Ratings (Ta=25°C) VCEO (V)	IO (A)	PT (W)	Operational Temp. (°C)	Price Each 1	100	200	1000
Unipolar										
627-MTD1110	MTD1110	ZIP-27	80	2	5	Full Step / Half Step	10.49	8.74	6.99	4.90
627-MTD1120	MTD1120	ZIP-27	80	1.2	5	Full Step / Half Step	9.26	7.71	6.17	4.32
627-MTD1120F	MTD1120F	HSOP-28	80	1.2	3	Full Step / Half Step	7.46	6.21	4.97	3.48
Bipolar										
627-MTD2001	MTD2001	ZIP-27	60	1.5	5	Full Step / Half Step	11.57	9.64	7.71	5.40
627-MTD2002F	MTD2002F	HSOP-28	35	0.8	3	Full Step / Half Step	7.61	6.34	5.07	3.55
627-MTD2003	MTD2003	ZIP-27	30	1.2	5	Full Step / Half Step	10.18	8.49	6.79	4.75
627-MTD2003F	MTD2003F	HSOP-28	30	1.2	3	Full Step / Half Step	8.18	6.81	5.45	3.82
627-MTD2005	MTD2005	ZIP-27	60	1.3	5	Full Step / Half Step	11.31	9.43	7.54	5.28
627-MTD2005F	MTD2005F	HSOP-28	60	1	3	Full Step / Half Step	9.10	7.59	6.07	4.25
627-MTD2006	MTD2006	ZIP-27	68	1.3	5	Full Step / Half Step	10.65	8.87	7.10	4.97
627-MTD2006F	MTD2006F	HSOP-28	68	1.3	3	Full Step / Half Step	8.54	7.11	5.69	3.98
627-MTD2007F	MTD2007F	HSOP-28	50	1	3	Full Step / Half Step / 1/4 Step	8.64	7.20	5.76	4.03
627-MTD2009J	MTD2009J	HSOP-40	35	1.2	2.8	Full Step / Half Step / Dual Motor Driver	12.86	10.71	8.57	6.00

POWER IC'S FOR INTERFACE

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shindengen Part No.	Package	IC (A)	VCEO (V)	PT (W) Ta=25	PT (W) Tc=25	Input	Operation Output	Circuits	Price Each 1	100	200	1000
627-MTA001M	MTA001M	ZIP-27	2	80	5	35	L Active	NPN Darlington	9	11.06	9.21	7.37	5.16
627-MTA011	MTA011	ZIP-27	2	80	5	35	H Active	NPN Darlington	9	11.06	9.21	7.37	5.16
627-MTA002	MTA002	ZIP-27	2	60	5	35	L Active	PNP Darlington	9	12.86	10.71	8.57	6.00
627-MTB001	MTB001	SIP-16	4	80	5	35	L Active	NPN Darlington	4	9.77	8.14	6.51	4.56
627-MTB011	MTB011	SIP-16	4	80	5	35	H Active	NPN Darlington	4	9.77	8.14	6.51	4.56

DC-DC CONVERTERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shindengen Part No.	Package	Input Voltage VDC	Output Voltage VDC	Output Current (A)	Operational Temp. (°C)	Price Each 1	100	200	1000
627-MD1320F	MD1320F	HSOP-28	12 to 30	3.3/5	0 to 3	-10 to 80	6.94	5.78	4.62	3.24
627-MD1620F	MD1620F	HSOP-28	12 to 57	5	0 to 2	-10 to 80	9.34	7.78	6.22	4.36
627-MD1320N	MD1320N	SSOP-32	8 to 30	3.3/5	0 to 1.5	-30 to 85	6.83	5.69	4.55	3.19
627-MD1421N	MD1421N	SSOP-32	8 to 40	3.3/5	0 to 3	-30 to 85	7.47	6.22	4.98	3.49
627-MD1322F	MD1322F	HSOP-28	8 to 30	2.5 to 12	0 to 3	-10 to 80	7.20	6.00	4.80	3.36
627-MD1222N	MD1222N	SSOP-32	8 to 20	2.5 to 12	0 to 5	-30 to 85	8.53	7.11	5.69	3.98
627-MD1422N	MD1422N	SSOP-32	8 to 40	2.5 to 12	0 to 3	-30 to 85	7.58	6.31	5.05	3.54
627-MD3221N	MD3221N	SSOP-32	4.2 to 20	2.5/3.3 or 0.8 to 14	0 to 3	-30 to 85	10.40	8.67	6.94	4.86

IC POWER MODULES FOR SWITCHING POWER SUPPLIES

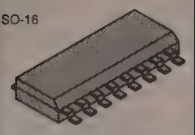
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shindengen Part No.	Package	Max Output (W) 90 to 132V AC	180 to 276V AC	90 to 276V AC	Main Switch Device	VDS (V)	Price Each 1	100	200	1000
627-MR1511-4101	MR1511-4101	FTO-5P	25	-	-	MOSFET	500	5.66	4.71	3.77	2.64
627-MR1521-4101	MR1521-4101	FTO-5P	50	-	-	MOSFET	500	6.17	5.14	4.11	2.88
627-MR1712-4101	MR1712-4101	FTO-5P	-	25	12	MOSFET	700	5.71	4.76	3.81	2.66
627-MR1722-4101	MR1722-4101	FTO-5P	-	50	25	MOSFET	700	6.22	5.19	4.15	2.90
627-MR2520-4109F12	MR2520-4109F12	MIH7	100	-	-	MOSFET	500	7.46	6.21	4.97	3.48
627-MR2540-4109F12	MR2540-4109F12	MIH7	150	-	-	MOSFET	500	8.49	7.07	5.66	3.96
627-MR2920-4109F12	MR2920-4109F12	MIH7	-	150	100	IGBT	900	7.97	6.64	5.31	3.72
627-MR2940-4109F12	MR2940-4109F12	MIH7	-	225	150	IGBT	900	9.26	7.71	6.17	4.32

STMICROELECTRONICS Power Management IC's

STMicroelectronics

SO-16



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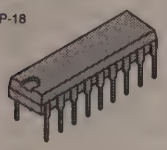
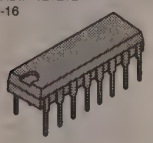
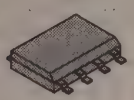


PWRDIP-12+2+2
DIP-16



SO-8



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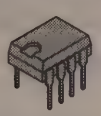
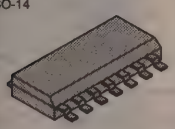


SO-14



DIP-14

SOT-23-5L

TSSOP-14

STMICROELECTRONICS DARLINGTON ARRAYS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Output Voltage (V)	Output Leakage Current Max (uA)	Output Leakage Current VCE (V)	Temperature Range (°C)	VCE (SAT) Max (V)	VCE (SAT) @IC (A)	Price Each 1	Price Each 100	Price Each 500
Surface Mount												
511-ULN2001D1	ULN2001D1	SO-16	Seven NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.42	.36	.32
511-ULN2003D1	ULN2003D1	SO-16	Seven NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.95	.56	.38
511-ULN2004D1	ULN2004D1	SO-16	Seven NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.95	.56	.38
511-ULQ2003D1	ULQ2003D1	SO-16	Seven NPN darlington pairs	50	50	50	-40 to +105	1.1	0.1	1.01	.67	.44
Thru Hole												
511-L603C	L603C	DIP-18	Eight NPN darlington pairs	90	10	90	-20 to +150	2	0.3	1.56	1.33	1.17
511-ULN2001A	ULN2001A	DIP-16	Seven NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.95	.56	.38
511-ULN2002A	ULN2002A	DIP-16	Seven NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.95	.56	.38
511-ULN2003A	ULN2003A	DIP-16	Seven NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.95	.56	.38
511-E-ULN2004A	E-ULN2004A	DIP-16	Seven NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.95	.56	.38
511-ULN2064B	ULN2064B	PWRDIP-12+2+2	Four NPN darlington switches	50	100	50	-20 to +85	1.4	1.25	2.85	1.99	1.42
511-ULN2065B	ULN2065B	PWRDIP-12+2+2	Four NPN darlington switches	80	100	80	-20 to +85	1.5	1.5	2.85	1.99	1.42
511-ULN2066B	ULN2066B	PWRDIP-12+2+2	Four NPN darlington switches	50	100	50	-20 to +85	1.4	1.25	2.85	1.99	1.42
511-ULN2067B	ULN2067B	PWRDIP-12+2+2	Four NPN darlington switches	80	100	80	-20 to +85	1.5	1.5	2.85	1.99	1.42
511-ULN2068B	ULN2068B	PWRDIP-12+2+2	Four NPN darlington switches	50	100	50	-20 to +85	1.4	1.25	2.85	1.99	1.42
511-ULN2069B	ULN2069B	PWRDIP-12+2+2	Four NPN darlington switches	80	100	80	-20 to +85	1.5	1.5	2.85	1.99	1.42
511-ULN2074B	ULN2074B	PWRDIP-12+2+2	Four NPN darlington switches	50	100	50	-20 to +85	1.4	1.25	2.85	1.99	1.42
511-ULN2075B	ULN2075B	PWRDIP-12+2+2	Four NPN darlington switches	80	100	80	-20 to +85	1.5	1.5	2.85	1.99	1.42
511-ULN2801A	ULN2801A	DIP-18	Eight NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.56	.48	.42
511-ULN2802A	ULN2802A	DIP-18	Eight NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.56	.48	.42
511-ULN2803A	ULN2803A	DIP-18	Eight NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.56	.48	.42
511-ULN2804A	ULN2804A	DIP-18	Eight NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.56	.48	.42
511-ULQ2003A	ULQ2003A	DIP-16	Seven NPN darlington pairs	50	50	50	-40 to +105	1.1	0.1	1.01	.67	.44
511-ULQ2004A	ULQ2004A	DIP-16	Seven NPN darlington pairs	50	500	50	-40 to +105	1.1	0.1	1.01	.67	.44
511-E-ULQ2803A	E-ULQ2803A	DIP-18	Eight NPN darlington pairs	50	50	50	-40 to +105	1.1	0.1	1.50	1.00	.66

STMICROELECTRONICS GENERAL PURPOSE VOLTAGE COMPARATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single Dual Quad	Input Offset Voltage Max (mV)	Input Bias Current Max (nA)	Response Time Typ (ns)	Supply Currents Positive Typ/Max (mA)	Supply Currents Negative Typ/Max (mA)	Operating Temperature Range (°C)	Price Each 1	Price Each 100	Price Each 500
Surface Mount												
511-LM211D	LM211D	SO-8	S	3	100	200	5.1/6.0	4.1/5.0	- 40 to + 105	.34	.29	.25
511-LM311D	LM311D	SO-8	S	7.5	250	200	5.1/7.5	4.1/5.0	- 65 to +150	.26	.22	.17
Thru Hole												
511-LM211N	LM211N	DIP-8	S	3	100	200	5.1/6.0	4.1/5.0	- 40 to + 105	.69	.41	.25
511-LM311N	LM311N	DIP-8	S	7.5	250	200	5.1/7.5	4.1/5.0	- 65 to +150	.55	.26	.16

STMICROELECTRONICS HIGH SPEED VOLTAGE COMPARATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single Dual Quad	Input Offset Voltage Max (mV)	Input Bias Current Max (nA)	Response Time Typ (ns)	Supply Currents Positive Typ/Max (mA)	Supply Currents Negative Typ/Max (mA)	Operating Temperature Range (°C)	Price Each 1	Price Each 100	Price Each 500
Surface Mount												
511-LM219D	LM219D	SO-14	D	4	500	80	8.0/11.5	3.0/4.5	- 40 to + 105	1.58	1.05	.70
511-LM319D	LM319D	SO-14	D	8	1000	80	8.0/12.5	3.0/5.0	0 to + 70	.78	.61	.51
Thru Hole												
511-LM219N	LM219N	DIP-14	D	4	500	80	8.0/11.5	3.0/4.5	- 40 to + 105	1.00	.85	.75
511-LM319N	LM319N	DIP-14	D	8	1000	80	8.0/12.5	3.0/5.0	0 to + 70	1.04	.62	.43

STMICROELECTRONICS LOW POWER VOLTAGE COMPARATORS

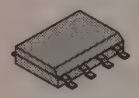
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single Dual Quad	Input Offset Voltage Max (mV)	Input Bias Current Max (nA)	Response Time Typ (ns)	Supply Currents Positive Typ/Max (mA)	Supply Currents Negative Typ/Max (mA)	Operating Temperature Range (°C)	Price Each 1	Price Each 100	Price Each 500
Surface Mount												
511-LM239AD	LM239AD	SO-14	Q	2	100	1300	1.3/2.5	----/----	- 40 to + 105	.34	.29	.26
511-LM339AD	LM339AD	SO-14	Q	2	100	1300	1.3/2.5	----/----	0 to + 70	.40	.34	.26
511-LM239D	LM239D	SO-14	Q	5	250	1300	1.3/2.5	----/----	- 40 to + 105	.34	.29	.26
511-LM239PT	LM239PT	TSSOP-14	Q	5	250	1300	1.3/2.5	----/----	- 40 to + 105	.65	.39	.25
511-LM339D	LM339D	SO-14	Q	5	250	1300	1.3/2.5	----/----	0 to + 70	.26	.22	.17
511-LM339PT	LM339PT	TSSOP-14	Q	5	250	1300	1.3/2.5	----/----	0 to + 70	.50	.30	.19
511-TS391ILT	TS391ILT	SOT-23-5L	S	5	250	1300	0.2/0.5	----/----	- 40 to + 125	.38	.32	.29
511-LM293ADT	LM293ADT	SO-8	D	5	250	1300	0.4/1.0	----/----	- 40 to + 105	.99	.59	.40
511-LM293D	LM293D	SO-8	D	5	250	1300	0.4/1.0	----/----	- 40 to + 105	.32	.27	.21
511-LM293S	LM293ST	MiniSO-8	D	5	250	1300	0.4/1.0	----/----	- 40 to + 105	.32	.27	.24
511-LM393ADT	LM393ADT	SO-8	D	5	250	1300	0.4/1.0	----/----	0 to + 70	.90	.54	.37
511-LM393D	LM393D	SO-8	D	5	250	1300	0.4/1.0	----/----	0 to + 70	.26	.22	.17
511-LM2901D	LM2901D	SO-14	Q	7	250	1300	1.1/2.0	----/----	- 40 to + 125	.32	.26	.21
511-LM2901P	LM2901PT	TSSOP-14	Q	7	250	1300	1.1/2.0	----/----	- 40 to + 125	.40	.34	.30
511-LM2903D	LM2903D	SO-8	D	7	250	1300	0.4/1.0	----/----	- 40 to + 125	.32	.26	.21
511-TS372CD	TS372CD	SO-8	D	10	0.15	600	0.3/0.75	----/----	0 to + 70	.56	.48	.42
511-TS372ID	TS372ID	SO-8	D	10	0.15	600	0.3/0.75	----/----	- 40 to + 125	.70	.60	.53
511-TS374CD	TS374CD	SO-14	Q	10	0.15	600	0.6/1.0	----/----	0 to + 70	.78	.66	.59
511-TS374ID	TS374ID	SO-14	Q	10	0.3	600	0.6/1.0	----/----	- 40 to + 125	.98	.66	.66
Thru Hole												
511-LM239AN	LM239AN	DIP-14	Q	2	100	1300	1.1/2.0	----/----	- 40 to + 105	.48	.41	.36
511-LM339AN	LM339AN	DIP-14	Q	2	100	1300	1.3/2.5	----/----	0 to + 70	.55	.33	.21
511-LM239N	LM239N	DIP-14	Q	5	250	1300	1.3/2.5	----/----	- 40 to + 105	.55	.33	.21
511-LM339N	LM339N	DIP-14	Q	5	250	1300	1.3/2.5	----/----	0 to + 70	.55	.26	.16
511-LM293N	LM293N	DIP-8	D	5	250	1300	0.4/1.0	----/----	- 40 to + 105	.55	.33	.21
511-LM393N	LM393N	DIP-8	D	5	250	1300	0.4/1.0	----/----	0 to + 70	.55	.26	.16
511-LM2901N	LM2901N	DIP-14	Q	7	250	1300	1.1/2.0	----/----	- 40 to + 125	.55	.26	.16
511-LM2903N	LM2903N	DIP-8	D	7	250	1300	0.4/1.0	----/----	- 40 to + 125	.55	.26	.16
511-TS372CN	TS372CN	DIP-8	D	10	0.15	600	0.3/0.75	----/----	0 to + 70	.56	.48	.42
511-TS374CN	TS374CN	DIP-14	Q	10	0.15	600	0.6/1.0	----/----	0 to + 70	.78	.66	.59
511-TS372IN	TS372IN	DIP-8	D	10	0.3	600	0.3/0.75	----/----	- 40 to + 125	1.21	.81	.53
511-TS374IN	TS374IN	DIP-14	Q	10	0.3	600	0.6/1.0	----/----	- 40 to + 125	1.02	.87	.66

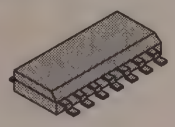
STMICROELECTRONICS Power Management IC's

STMicroelectronics

SO-8



SO-14



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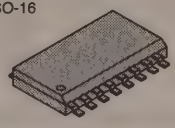

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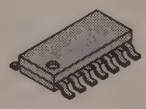


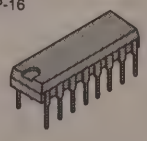
SOT-23-5L

TO-92

DIP-8

DIP-14

DIP-16



STMICROELECTRONICS MICROPOWER VOLTAGE COMPARATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single Dual Quad	Input Offset Volt. Max (mV)	Input Bias Current Max (nA)	Response Time Typ (ns)	Supply Currents Typ/Max (mA) Positive	Supply Currents Typ/Max (mA) Negative	Operating Temperature Range (°C)	Price Each 1	Price Each 100	Price Each 500
Surface Mount												
511-TS3704CD	TS3704CD	SO-14	Q	5	0.6	0.12	0.036/.08	----/----	0 to + 70	.86	.73	.65
511-TS3704ID	TS3704ID	SO-14	Q	5	0.6	0.12	0.036/.08	----/----	- 40 to + 125	.97	.66	.66
511-TS3704IP	TS3704IPT	TSSOP-14	Q	5	0.6	0.12	0.036/.08	----/----	- 40 to + 125	1.09	.73	.48
511-TS393CD	TS393CD	SO-8	D	5	0.6	0.15	0.02/0.04	----/----	0 to + 70	.58	.49	.44
511-TS393ID	TS393ID	SO-8	D	5	0.6	0.15	0.02/0.04	----/----	- 40 to + 125	.74	.58	.48
511-TS3702CD	TS3702CD	SO-8	D	5	0.6	0.15	0.018/.04	----/----	0 to + 70	.58	.49	.44
511-TS3702ID	TS3702ID	SO-8	D	5	0.6	0.15	0.018/.04	----/----	- 40 to + 125	.74	.63	.56
511-TS3V3702ID	TS3V3702ID	SO-8	D	5	0.6	1500	0.02/0.025	----/----	- 40 to + 125	.52	.44	.39
511-TS339CP	TS339CPT	TSSOP-14	Q	5	0.6	1500	0.009/0.02	----/----	- 40 to + 125	.72	.43	.30
511-TS339ID	TS339ID	SO-14	Q	5	0.6	1500	0.036/0.08	----/----	- 40 to + 125	.97	.66	.66
511-TS3V339ID	TS3V339ID	SO-14	Q	5	0.6	1500	0.009/0.02	----/----	- 40 to + 125	.64	.54	.42
511-TS3V3704ID	TS3V3704ID	SO-14	Q	5	0.6	1500	0.02/0.025	----/----	- 40 to + 125	.64	.54	.48
511-TS861AIL	TS861AILT	SOT-23-5L	S	7	0.3	500	.006/.012	----/----	- 40 to + 85	.70	.60	.53
511-TS861IL	TS861ILT	SOT-23-5L	S	7	0.3	500	.006/.012	----/----	- 40 to + 85	.62	.53	.47
511-TS864AID-TR	TS864AIDT	SO-14	Q	10	0.6	500	.006/.012	----/----	- 40 to + 85	2.16	1.51	1.08
Thru Hole												
511-TS3704CN	TS3704CN	DIP-14	Q	5	0.6	0.12	0.036/.08	----/----	0 to + 70	.85	.57	.46
511-TS3704IN	TS3704IN	DIP-14	Q	5	0.6	0.12	0.036/.08	----/----	- 40 to + 125	1.13	.75	.50
511-TS393CN	TS393CN	DIP-8	D	5	0.6	0.15	0.02/0.04	----/----	0 to + 70	.58	.49	.44
511-TS393IN	TS393IN	DIP-8	D	5	0.6	0.15	0.02/0.04	----/----	- 40 to + 125	.74	.63	.53
511-TS3702CN	TS3702CN	DIP-8	D	5	0.6	0.15	0.018/.04	----/----	0 to + 70	.58	.49	.44
511-TS3702IN	TS3702IN	DIP-8	D	5	0.6	0.15	0.018/.04	----/----	- 40 to + 125	1.05	.70	.46
511-TS3V393IN	TS3V393IN	DIP-8	D	5	0.6	1500	0.02/0.025	----/----	- 40 to + 125	.50	.43	.38
511-TS3V339IN	TS3V339IN	DIP-14	Q	5	0.6	1500	0.01/.02	----/----	- 40 to + 125	.64	.54	.48
511-TS339CN	TS339CN	DIP-14	Q	5	0.6	1500	0.036/0.08	----/----	0 to + 70	.86	.73	.65
511-TS339IN	TS339IN	DIP-14	Q	5	0.6	1500	0.036/0.08	----/----	- 40 to + 125	1.09	.73	.48
511-TS3V3704IN	TS3V3704IN	DIP-14	Q	5	0.6	1500	0.02/0.025	----/----	- 40 to + 125	.64	.54	.48
511-TS861AIN	TS861AIN	DIP-8	S	7	0.3	500	.006/.012	----/----	- 40 to + 85	.70	.60	.53
511-TS861IN	TS861IN	DIP-8	S	7	0.3	500	.006/.012	----/----	- 40 to + 85	.62	.53	.47

STMICROELECTRONICS POWER FACTOR CORRECTORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage Min/Max (V)	Supply Curr. Nom. (mA)	Set Curr. Error Max.(%)	Output Current Nom.(mA) Sink	Output Current Nom.(mA) Source	Regulation Typ.(mV) Line	Regulation Typ.(mV) Load	Price Each 1	Price Each 100	Price Each 500
Surface Mount													
511-L4981AD	L4981AD	SO-8	Average current mode	-----/19.5	1.6	12	2000	1500	1	15	5.40	3.50	2.80
511-L6561D	L6561D	SO-8	Transistion mode	11/18	4.0	12	700	700	5	-----	1.56	1.09	.78
511-L6562D	L6562D	SO-8	Transistion mode	10.3/22	3.5	-----	-----	-----	2	-----	1.69	1.12	.74
Thru Hole													
511-L4981A	L4981A	TO-92	Average current mode	-----/19.5	1.6	8	2000	1500	1	15	5.18	3.36	2.68
511-L6561	L6561	DIP-8	Transistion mode	11/18	4.0	12	700	700	5	-----	1.56	1.09	.78
511-E-L6562N	E-L6562N	DIP-8	Transistion mode	10.3/22	3.5	-----	-----	-----	2	-----	1.69	1.12	.74

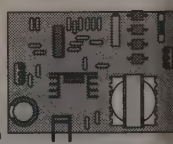
STMICROELECTRONICS POWER FACTOR CORRECTOR EVALUATION BOARDS

These demonstration boards have been realized to provide the user with a simple evaluation tool for the operation of the PFC controller L4981A or L6562. The application is a typical boost PFC pre-regulator with a power rating suitable for most office equipment. To help the user in the design stage, the demonstration board is delivered with WINDOWS compatible software covering all ST's PFC controllers.

MOUSER STOCK NO.	STM Part No.	Description	Price Each 1-99
511-EVAL4981A	EVAL4981A	For L4981A power factor corrector	140.00
511-EVAL6561-80	EVAL6561-80	For L6561 power factor corrector (80 watt)	56.00
511-EVAL6562-80W	EVAL6562-80W	For L6562 power factor corrector (80 watt)	14.00
511-EVAL6562-250W	EVAL6562-250W	For L6562 power factor corrector (250 watt)	42.00
511-EVAL6562-375W	EVAL6562-375W	For L6562 power factor corrector (375 watt)	56.00

Features:

- PFC pre-regulator in boost topology
- Wide-range mains supply (88 to 264 Vac)
- 400 V, 200 W output
- 100 kHz switching freq.
- Over voltage and over current protection
- 0.999 Power Factor
- Less than 3.5% Total Harmonic Distortion
- Over 95% efficiency



EVAL4981A shown

STMICROELECTRONICS PULSE WIDTH MODULATORS (PWM)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Pkg. Type	Ref. Output Voltage Min/Typ/Max (V)	Output Current Max. (A)	Supply Voltage (V)	Freq. Typ./Max. (kHz)	Operating Supp.Curr. Typ. (mA)	Output Voltage Tol. (%)	Duty Cycle Max.(%)	Rise Time Typ.(nS)	Fall Time Typ.(nS)	Price Each 1	Price Each 100	Price Each 500
Surface Mount														
511-UC3842BD	UC3842BD1	SO-8	4.90/5.00/5.10	1	30	52/57	12	2	100	50	50	1.16	.77	.51
511-UC3843BD	UC3843BD1	SO-8	4.90/5.00/5.10	1	30	52/57	12	2	100	50	50	1.16	.77	.51
511-UC3844BD	UC3844BD1	SO-8	4.90/5.00/5.10	1	30	52/57	12	2	50	50	50	1.16	.77	.51
511-UC3845BD	UC3845BD1	SO-8	4.90/5.00/5.10	1	30	52/57	12	2	50	50	50	1.16	.77	.51
511-UC2842BD	UC2842BD1	SO-8	4.95/5.00/5.05	1	30	52/57	12	1	100	50	50	1.20	.80	.53
511-UC2843BD	UC2843BD1	SO-8	4.95/5.00/5.05	1	30	52/57	12	1	100	50	50	1.20	.80	.53
511-UC2844BD	UC2844BD1	SO-8	4.95/5.00/5.05	1	30	52/57	12	1	50	50	50	1.20	.80	.53
511-UC2845BD	UC2845BD1	SO-8	4.95/5.00/5.05	1	30	52/57	12	1	50	50	50	1.20	.80	.53
511-SG3525AP	SG3525AP	SO-16	5.00/5.10/5.20	0.5	40	-----/400	12	2	49	100	50	1.31	.87	.77
511-SG3524P	SG3524P	SO-16	5.00/5.10/5.20	1	40	52/57	12	2	49	100	50	1.31	.87	.77
511-SG2525AP	SG2525AP	SO-16	5.05/5.10/5.15	0.5	40	-----/400	12	1	49	100	50	.74	.63	.56
Thru Hole														
511-UC3842BN	UC3842BN	DIP-8	4.90/5.00/5.10	1	30	52/57	12	2	100	50	50	1.16	.77	.51
511-E-UC3843BN	E-UC3843BN	DIP-8	4.90/5.00/5.10	1	30	52/57	12	2	100	50	50	1.16	.77	.51
511-UC3844BN	UC3844BN	DIP-8	4.90/5.00/5.10	1	30	52/57	12	2	50	50	50	1.16	.77	.51
511-UC3845BN	UC3845BN	DIP-8	4.90/5.00/5.10	1	30	52/57	12	2	50	50	50	1.16	.77	.51
511-UC2842BN	UC2842BN	DIP-8	4.95/5.00/5.05	1	30	52/57	12	1	100	50	50	1.20	.80	.53
511-UC2843BN	UC2843BN	DIP-8	4.95/5.00/5.05	1	30	52/57	12	1	100	50	50	1.20	.80	.53
511-UC2844BN	UC2844BN	DIP-8	4.95/5.00/5.05	1	30	52/57	12	1	50	50	50	1.20	.80	.53
511-E-UC2845BN	E-UC2845BN	DIP-8	4.95/5.00/5.05	1	30	52/57	12	1	50	50	50	1.20	.80	.53
511-SG3525AN	SG3525AN	DIP-16	5.00/5.10/5.20	0.5	40	-----/400	12	2	49	100	50	1.77	1.23	.88
511-SG3524N	SG3524N	DIP-16	5.00/5.10/5.20	1	40	52/57	12	2	49	100	50	1.31	.87	.77
511-SG2525AN	SG2525AN	DIP-16	5.05/5.10/5.15	0.5	40	-----/400	12	1	49	100	50	1.39	.92	.61

STMICROELECTRONICS PRIMARY PULSE WIDTH MODULATOR (PWM) CONTROLLER

For quantities of 1000 and up, call for quote

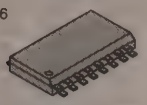
MOUSER STOCK NO.	STM Part No.	Package Type	DC Supply Voltage Range (V)	DC Output Current Max. (A)	Oscillating Frequency Max. (Hz)	Rise Time Max (ns)	Fall Time Max (ns)	Temperature Range (°C)	Price Each 1	Price Each 100	Price Each 500
Thru Hole											
511-TSM007IN	TSM007IN	DIP-8	-0.3 to 25	0.1	116	150	60	0 to +95	2.36	2.01	1.77

MOUSER ELECTRONICS a tti company

(800) 346-6873

STMICROELECTRONICS Regulators and Temperature Sensors

SO-8

SO-16


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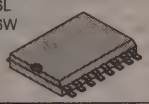

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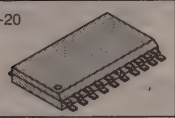

PowerSO-20

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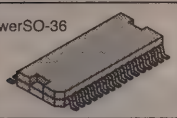

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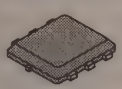

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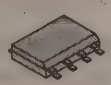
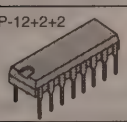


TSSOP-8

SOT-23-5L

TO-92

DIP-8

PWRDIP-12+2+2


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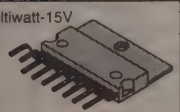


STMICROELECTRONICS MULTIFUNCTION SWITCHING REGULATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Input Voltage Range (V)	Output Voltage Max. (V)	Voltage Output Tol.	Output Curr. Cont. Max. (mA)	Quiescent Current Max. (mA)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-ST662ABD	ST662ABD	SO-8	-0.3 to 6.0	12	5%	50	0.5	-40 to +85	1.50	1.28	1.11
511-ST662ACD	ST662ACD	SO-8	-0.3 to 6.0	12	5%	50	0.5	0 to 70	1.44	1.22	1.08
511-LNBP21PD-TR	LNBP21PD-TR	PowerSO-20	-----/16	2.5	500	90%	20	-40 to +125	2.22	2.02	2.02
511-LNBP21D2-TR	LNBP21D2-TR	SO-20	-----/16	2.5	500	90%	20	-40 to +125	3.24	2.10	1.68
511-ST5R25M	ST5R25MTR	SOT-23-5L	-----/5.5	0.016	100	85%	0.016	-25 to +85	1.01	.68	.45
511-LNBH21PD-TR	LNBH21PD-TR	PowerSO-20	8/15	40.0	750	94%	-----	-40 to +125	4.32	2.80	2.24
511-LNBH221PD-TR	LNBH221PD-TR	PowerSO-36	8/15	40.0	750	94%	-----	-40 to +125	5.94	3.85	3.08
511-ST5R33M	ST5R33MTR	SOT-23-5L	0.6 to 5.5	3.3	5%	-----	0.016	-25 to +85	1.10	.94	.83
511-ST5R50M	ST5R50MTR	SOT-23-5L	0.6 to 5.5	5.5	5%	-----	0.016	-25 to +85	1.10	.94	.83
511-STSR2PCD	STSR2PCD	SO-8	-----/4.5	-----	-----	-----	3	-40 to +125	1.88	1.60	1.40
511-STSR3CD	STSR3CD	SO-8	-----/4.5	-----	-----	-----	3	-40 to +125	2.82	1.97	1.41
511-STSR30D	STSR30D	SO-8	-----/4.5	-----	-----	-----	3	-40 to +125	2.76	2.35	1.92
Thru Hole											
511-ST619LBN	ST619LBN	DIP-8	-0.3 to 5.5	5.2	5%	120	0.2	-40 to +85	2.07	1.45	1.04
511-ST662ABN	ST662ABN	DIP-8	-0.3 to 6.0	12	5%	50	0.5	-40 to +85	1.50	1.28	1.13
511-ST662ACN	ST662ACN	DIP-8	-0.3 to 6.0	12	5%	50	0.5	0 to 70	1.44	1.22	1.08

STMICROELECTRONICS STEP-UP SWITCHING REGULATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Input Voltage Min/Max (V)	Quiescent Current Max. (uA)	Output Voltage Min/Max (V)	Shut-Down Current Max. (uA)	Turn-on/off Time Max. (us)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-L6920D	L6920D	TSSOP-8	0.6/5.5	15	3.2/3.4	1.0	6.25/1.25	-40 to +125	2.97	1.92	1.54

STMICROELECTRONICS STEP-DOWN SWITCHING REGULATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	DC Input Voltage Min/Max (V)	Output Current Max. (A)	Regulated Output Volt Min/Max (V)	Efficiency Nominal	Switching Freq. Typ/Max (kHz)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-ST735CD	ST735CD	SO-8	4.0 to 6.2	-4.75	5%	0.275	0.8	-40 to +125	1.04	.88	.77
511-ST755CD	ST755CD	SO-8	-0.3 to +12	-4.75	5%	0.275	1.2	-40 to +85	1.60	1.36	1.19
511-ST730ACD	ST730ACD	SO-8	4.0 to 11	5.25	5%	0.45	0.8	0 to 70	.80	.68	.60
511-ST750ACD	ST750ACD	SO-8	4.0 to 11	5.25	5%	0.45	0.8	0 to 70	.80	.68	.60
511-MC34063ACD	MC34063ACD	SO-8	-0.3 to +40	50	2%	1.5	2.5	0 to 70	1.20	1.02	.89
511-ST1S03PMR	ST1S03PMR	DFN-6	3/16	1.5	-----/-----	70%	1500/1800	-40 to +85	1.92	1.34	.96
511-L5970D	L5970D	SO-8	4.4/36	1.0	1.23/35	85%	250/-----	-40 to +150	2.82	1.97	1.41
511-L5973AD	L5973AD	HSOP-8	4.4/36	2.0	1.235/35	90%	500/-----	-40 to +150	3.38	2.18	1.75
511-L5973D	L5973D	HSOP-8	4.4/36	2.5	1.235/35	90%	250/-----	-40 to +150	3.05	1.97	1.58
511-L6902D	L6902D	SO-8	8/36	1.0	1.23/35	85%	-----/250	-40 to +150	3.78	2.45	1.96
511-L4971D	L4971D	SO-16W	8/55	1.5	3.3/50	85%	-----/300	-40 to +150	4.70	3.04	2.43
511-L4978D	L4978D	SO-16L	8/55	2.0	3.3/50	87%	100/110	-40 to +150	4.89	3.16	2.53
511-L4973D5.1	L4973D5.1	SO-20	8/55	3.5	4.95/5.25	90%	100/110	-40 to +150	5.76	4.77	3.74
Thru Hole											
511-ST755CN	ST755CN	DIP-8	-0.3 to +12	-4.75	5%	0.275	1.2	-40 to +85	1.60	1.36	1.20
511-ST763ABN	ST763ABN	DIP-8	-0.3 to +12	3.465	5%	0.5	0.6	-40 to +85	1.58	1.34	1.19
511-MC34063ACN	MC34063ACN	DIP-8	-0.3 to +40	50	2%	1.5	2.5	0 to 70	1.20	1.02	.90
511-MC34063ECN	MC34063ECN	DIP-8	-----/50	1.5	1.25/38	80%	-----/-----	0 to 70	.77	.46	.31
511-L4962E/A	L4962E/A	Heptawatt-7V	9/46	1.5	5.1/40	75%	-----/200	-40 to +150	2.00	1.70	1.50
511-L4962/A	L4962/A	PowerDIP-12+2+2	9/46	1.5	5.1/40	75%	-----/200	-40 to +150	2.00	1.70	1.50
511-L4960	L4960	Heptawatt-7V	9/46	2.5	5.1/40	75%	-----/200	-40 to +150	2.70	1.75	1.40
511-L296P	L296P	Multiwatt-15V	9/46	4.0	5.1/40	75%	-----/200	-40 to +150	7.50	6.38	5.63
511-L4975A	L4975A	Multiwatt-15V	12/50	5.0	5.1/40	84%	-----/500	-40 to +150	10.50	8.93	7.88
511-L4970A	L4970A	Multiwatt-15V	12/50	10	5.1/40	83%	-----/500	-40 to +150	12.19	8.53	7.93

STMICROELECTRONICS STEP-DOWN CONTROLLER

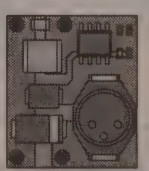
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Input Voltage Range (V)	Reg. Output Current Max. (A)	Voltage Output Tol.	Output Curr. Cont. Max. (mA)	Reg. Output Voltage Max. (V)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-L6910	L6910	SO-16	5 to 12.0	1.3	1%	5	3	-40 to +150	2.94	2.05	1.47

STMICROELECTRONICS EVALUATION BOARDS

MOUSER STOCK NO.	STM Part No.	Description	Price Each 1-99
511-EVAL5970D	EVAL5970D	For L5970D switching regulator	14.00
511-EVAL5972D	EVAL5972D	For L5972D switching regulator	14.00
511-EVAL5973AD	EVAL5973AD	For L5973AD switching regulator	14.00
511-EVAL5973D	EVAL5973D	For L5793D switching regulator	14.00
511-EVAL6902D	EVAL6902D	For L6902D switching regulator	14.00

These demonstration boards are complete tools to evaluate the L5970D, L5972D, L5973AD, L5973D and L6902D switching regulators. The system is a buck topology converter with a sense resistor to set the constant output current from 50mA up to 1.5A (in according to package power dissipation). The demo board supports maximum input/output voltages of 16V/10V, above this voltage rating of the input /output capacitors must be changed.



EVAL5970D
Shown

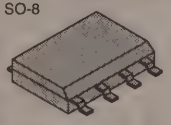
STMICROELECTRONICS TEMPERATURE SENSORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage (V)	Set Curr. Max. (mA)	Set Curr. Error Max. (%)	Operating Temperature Range(C)	Effective Shunt Cap. Typ. (pF)	Price Each 1	100	500
Surface Mount											
511-LM234D	LM234D	SO-8	3-terminal adjustable current	1.0 to 40	10.0	12	- 25 to + 100	15	.86	.73	.65
511-LM334D	LM334D	SO-8	3-terminal adjustable current	1.0 to 40	10.0	12	0 to + 70	15	.76	.65	.57
511-LM335AD	LM335AD	SO-8	Precision linear output	2.92 to 3.04	15.0	----	- 40 to + 100	-----	1.28	1.09	.96
511-LM335D	LM335D	SO-8	Precision linear output	2.92 to 3.04	15.0	----	- 40 to + 100	-----	.78	.66	.58
Thru Hole											
511-LM234Z	LM234Z	TO-92	3-terminal adjustable current	1.0 to 40	10.0	8	- 25 to + 100	15	.90	.77	.68
511-LM334Z	LM334Z	TO-92	3-terminal adjustable current	1.0 to 40	10.0	12	0 to + 70	15	1.24	.83	.55
511-LM335AZ	LM335AZ	TO-92	Precision linear output	2.92 to 3.04	15.0	----	- 40 to + 100	-----	1.54	1.03	.68
511-LM235Z	LM235Z	TO-92	Precision linear output	2.92 to 3.04	15.0	----	- 40 to + 125	-----	.90	.77	.68
511-LM335Z	LM335Z	TO-92	Precision linear output	2.92 to 3.04	15.0	----	- 40 to + 100	-----	1.20	.80	.53

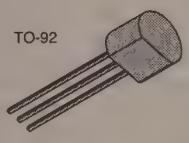
STMICROELECTRONICS Voltage References and Supervisors

SO-8



SOT-23-5L

TO-92



DIP-8

STMICROELECTRONICS VOLTAGE REFERENCE (GENERAL PURPOSE)

For quantities of 1000 and up, call for quota

MOUSER STOCK NO.	STM Part No.	Case Type	Type	Output Voltage Typ (V)	Voltage Precision (%)	Temperature Coefficient (ppm/°C)	Cathode Current Range (mA)	Static Impedance Typ/Max (W)	Operating Temperature Range (°C)	Price Each 1	100	500
Surface Mount												
511-LM236D	LM236D	SO-8	Fixed	2.5	4	-----	0.4 to 10	0.2/0.6	-25 to +85	.86	.73	.65
511-LM336D	LM336D	SO-8	Fixed	2.5	4	-----	0.4 to 10	2.6/10	0 to +70	.78	.66	.59
511-TL431ACD	TL431ACD	SO-8	Adjust	2.5 to 36	1	100	1 to 100	2.6/10	0 to +70	.67	.39	.26
511-TL431AID	TL431AID	SO-8	Adjust	2.5 to 36	1	100	1 to 100	0.22/0.5	-40 to +105	.34	.29	.23
511-TL431CD	TL431CD	SO-8	Adjust	2.5 to 36	2	100	1 to 100	0.22/0.5	0 to +70	.28	.24	.21
511-TL431ID	TL431ID	SO-8	Adjust	2.5 to 36	2	100	1 to 100	0.22/0.5	-40 to +105	.30	.26	.23
511-MC1403D	MC1403D	SO-8	Fixed	2.5	1	40	-----	-----	0 to +70	1.42	1.21	1.07
Thru Hole												
511-LM236Z	LM236Z	TO-92	Fixed	2.5	2	-----	0.4 to 10	0.2/0.6	-25 to +85	.90	.77	.68
511-LM336Z	LM336Z	TO-92	Fixed	2.5	4	-----	0.4 to 10	0.2/1.0	0 to +70	.78	.66	.59
511-TL431ACZ	TL431ACZ	TO-92	Adjust	2.5 to 36	1	100	1 to 100	0.22/0.5	0 to +70	.28	.24	.21
511-TL431AIZ	TL431AIZ	TO-92	Adjust	2.5 to 36	1	100	1 to 100	0.22/0.5	-40 to +105	.30	.26	.21
511-TL431CZ	TL431CZ	TO-92	Adjust	2.5 to 36	2	100	1 to 100	0.22/0.5	0 to +70	.26	.22	.20
511-TL431IZ	TL431IZ	TO-92	Adjust	2.5 to 36	2	100	1 to 100	0.22/0.5	-40 to +105	.28	.24	.21

STMICROELECTRONICS VOLTAGE REFERENCE (LOW POWER)

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	STM Part No.	Case Type	Type	Output Voltage Typ (V)	Voltage Precision (%)	Temperature Coefficient (ppm/°C)	Cathode Current Range (mA)	Static Impedance Typ/Max (W)	Operating Temperature Range (°C)	Price Each 1	100	500
Surface Mount												
511-TS431AIL	TS431AILT	SOT-23-5L	Adjust	1.24 to 6.0	1	100	0.06 to 30	0.2/0.4	-40 to +125	.60	.51	.45
Thru Hole												
511-TS431AIZ	TS431AIZ	TO-92	Adjust	1.24 to 6.0	1	100	0.06 to 30	0.2/0.4	-40 to +125	1.24	1.05	.93

STMICROELECTRONICS VOLTAGE REFERENCE (MICROPOWER)

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	STM Part No.	Case Type	Type	Output Voltage Typ (V)	Voltage Precision (%)	Temperature Coefficient (ppm/°C)	Cathode Current Range (mA)	Static Impedance Typ/Max (W)	Operating Temperature Range (°C)	Price Each 1	100	500
Thru Hole												
511-TS821AIZ	TS821AIZ	TO-92	Fixed	1.225	1	120	0.045 to 12	0.25/0.5	-40 to +85	.64	.54	.48

STMICROELECTRONICS VOLTAGE REFERENCES (PROGRAMMABLE SHUNT)

For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	STM Part No.	Case Type	Type	Output Voltage Typ (V)	Voltage Precision (%)	Temperature Coefficient (ppm/°C)	Cathode Current Range (mA)	Static Impedance Typ/Max (W)	Operating Temperature Range (°C)	Price Each 1	100	500
Surface Mount												
511-TS3431BIL	TS3431BILT	SOT-23-3L	Adjust	1.24 to 24	0.5	100	0.5 to 100	0.2/0.4	-40 to +125	.60	.36	.23
511-TS3431CIL	TS3431CILT	SOT-23-3L	Adjust	1.24 to 24	0.25	100	0.5 to 100	0.2/0.4	-40 to +125	.28	.24	.21
511-TS2431BIL	TS2431BILT	SO-8	Adjust	2.5 to 24	0.5	50	1 to 100	0.5/0.75	-40 to +85	1.20	.80	.53
Thru Hole												
511-TS3431BIZT	TS3431BIZT	TO-92	Adjust	1.24 to 24	0.5	100	0.5 to 100	0.2/0.4	-40 to +125	.23	.19	.18

STMICROELECTRONICS VOLTAGE REFERENCE (PRECISION)

For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	STM Part No.	Case Type	Type	Output Voltage Typ (V)	Voltage Precision (%)	Temperature Coefficient (ppm/°C)	Cathode Current Range (mA)	Static Impedance Typ/Max (W)	Operating Temperature Range (°C)	Price Each 1	100	500
Surface Mount												
511-TL1431ACD	TL1431ACD	SO-8	Adjust	2.5 to 36	0.25	100	1 to 100	0.2/0.5	-20 to +70	.85	.61	.61
511-TL1431AID	TL1431AID	SO-8	Adjust	2.5 to 36	0.25	100	1 to 100	0.2/0.5	-40 to +105	.89	.81	.81
511-TL1431CD	TL1431CD	SO-8	Adjust	2.5 to 36	0.4	100	1 to 100	0.2/0.5	-20 to +70	.36	.31	.27
511-TL1431ID	TL1431ID	SO-8	Adjust	2.5 to 36	0.4	100	1 to 100	0.2/0.5	-40 to +105	.72	.61	.54
Thru Hole												
511-TL1431ACZ	TL1431ACZ	TO-92	Adjust	2.5 to 36	0.25	100	1 to 100	0.2/0.5	-20 to +70	.85	.61	.61
511-TL1431AIZ	TL1431AIZ	TO-92	Adjust	2.5 to 36	0.25	100	1 to 100	0.2/0.5	-40 to +105	1.24	1.05	.93
511-TL1431CZ	TL1431CZ	TO-92	Adjust	2.5 to 36	0.4	100	1 to 100	0.2/0.5	-20 to +70	.56	.48	.42
511-TL1431IZ	TL1431IZ	TO-92	Adjust	2.5 to 36	0.4	100	1 to 100	0.2/0.5	-40 to +105	.72	.61	.54

STMICROELECTRONICS VOLTAGE SUPERVISORS

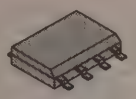
For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Supply Current Max. (uA)	Supply Voltage Max. (V)	Threshold Voltage Typ. (V)	Response Time High-Low (uS)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-TL7705ACD1/A	TL7705ACD1/A	SO-8	Supply voltage supervisor	0.0033	18	4.55	1	0 to 70	.60	.51	.45
511-TS831-4ID	TS831-4ID	SO-8	Micropower voltage supervisor reset active low	12	7	4.5	20	-40 to +125	.74	.63	.56
511-TS831-5ID	TS831-5ID	SO-8	Micropower voltage supervisor reset active low	12	7	4.33	20	-40 to +125	.97	.64	.42
511-TS834-5ID	TS834-5ID	SO-8	Micropower voltage supervisor reset active low or high	15	7	4.33	20	-40 to +85	.44	.37	.33
Thru Hole											
511-TL7705ACP/A	TL7705ACP/A	DIP-8	Supply voltage supervisor	0.0033	18	4.55	1	0 to 70	.60	.51	.45
511-TS831-3IZ	TS831-3IZ	TO-92	Micropower voltage supervisor reset active low	12	7	2.71	20	-40 to +125	.38	.32	.29
511-TS831-4IZ	TS831-4IZ	TO-92	Micropower voltage supervisor reset active low	12	7	4.5	20	-40 to +125	.91	.56	.40
511-TS831-5IZ	TS831-5IZ	TO-92	Micropower voltage supervisor reset active low	12	7	4.33	20	-40 to +125	.74	.63	.48
511-TS836-4IZ	TS836-4IZ	TO-92	Micropower voltage supervisor reset active high	12	7	4.5	20	-40 to +85	.74	.63	.56

STMICROELECTRONICS Voltage Regulators

STMicroelectronics

SO-8



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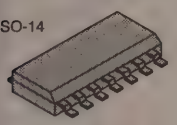

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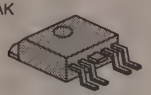

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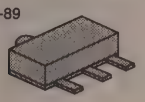


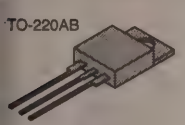
SOT-223

TO-252/TO-263

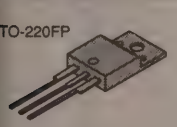
TO-92

TO-263A

TO-220AB



TO-220FP



TO-3

DIP-14

STMICROELECTRONICS PROGRAMMABLE POSITIVE ADJUSTABLE VOLTAGE REGULATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-LM723CD	LM723CD	SO-14	2-37	0.15	-----	0.5	0.6	0 to +70	.38	.32	.29
Thru Hole											
511-LM723CN	LM723CN	DIP-14	2-37	0.15	-----	0.5	0.6	0 to +70	.32	.27	.24
511-LM723N	LM723N	DIP-14	2-37	0.15	-----	0.5	0.6	-55 to +125	.90	.54	.37

STMICROELECTRONICS NEGATIVE ADJUSTABLE VOLTAGE REGULATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	Price Each 1	100	500
Thru Hole											
511-LM337K	LM337K	TO-3	1.2-37	1.5	40	0.04	1.0	0 to +125	3.38	2.87	2.54
511-LM337SP	LM337SP	TO-220AB	1.2-37	1.5	40	0.04	1.0	0 to +125	1.35	.90	.60

STMICROELECTRONICS POSITIVE ADJUSTABLE VOLTAGE REGULATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-LM317MDT	LM317MDT	TO-252	1.2-37	0.5	40	0.04	0.5	0 to +125	.64	.44	.42
511-LD1117D	LD1117D	SO-8	1.25-15	0.8	--------	0.2	0.4	0 to +125	1.20	1.02	.90
511-LM217D2T	LM217D2T	TO-263	1.2-37	1.5	40	0.04	0.5	-25 to +150	.70	.60	.53
511-LM217LD	LM217LD	SO-8	1.2-37	1.5	40	0.02	0.3	-25 to +150	.36	.31	.27
511-LM317D2T	LM317D2T	TO-263	1.2-37	1.5	40	0.04	0.5	0 to +125	.72	.61	.54
511-LM317LD	LM317LD	SO-8	1.2-37	1.5	40	0.04	0.5	0 to +125	.34	.29	.25
Thru Hole											
511-LM217MT	LM217MT	TO-220AB	1.2-37	0.5	40	0.02	0.3	-25 to +150	.54	.46	.41
511-LM317MT	LM317MT	TO-220AB	1.2-37	0.5	40	0.04	0.5	0 to +125	.54	.46	.41
511-LM117K	LM117K	TO-3	1.2-37	1.5	40	0.02	0.3	-55 to +150	4.30	3.66	3.23
511-LM217K	LM217K	TO-3	1.2-37	1.5	40	0.02	0.3	-25 to +150	2.90	2.47	2.18
511-LM217LZ	LM217LZ	TO-92	1.2-37	1.5	40	0.02	0.3	-25 to +150	.38	.32	.29
511-LM217T	LM217T	TO-220AB	1.2-37	1.5	40	0.02	0.3	-25 to +150	.68	.48	.48
511-LM317K	LM317K	TO-3	1.2-37	1.5	40	0.04	0.5	0 to +125	2.10	1.79	1.58
511-LM317LZ	LM317LZ	TO-92	1.2-37	1.5	40	0.04	0.5	0 to +125	.28	.24	.21
511-LM317P	LM317P	TO-220FP	1.2-37	1.5	40	0.04	0.5	0 to +125	.62	.53	.47
511-LM317T	LM317T	TO-220AB	1.2-37	1.5	40	0.04	0.5	0 to +125	.65	.35	.24
511-LM350K	LM350K	TO-3	1.2-37	3.0	35	0.03	0.5	0 to +125	5.70	4.72	3.71
511-LM138K	LM138K	TO-3	1.2-37	5.0	35	0.03	0.5	-55 to +150	10.00	8.50	7.50
511-LM238K	LM238K	TO-3	1.2-37	5.0	35	0.03	0.5	-25 to +150	8.30	7.06	6.23
511-LM338K	LM338K	TO-3	1.2-37	5.0	35	0.03	0.5	0 to +125	7.28	6.03	4.73

STMICROELECTRONICS POSITIVE ADJUSTABLE LOW DROP VOLTAGE REGULATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-LD1117DT	LD1117DT	TO-252	1.25-15	0.8	--------	0.2	0.4	0 to +125	1.16	.78	.51
511-LD1117S	LD1117STR	SOT-223	1.25-15	0.8	--------	0.2	0.4	0 to +125	.77	.43	.28
511-LD1117AD2M	LD1117AD2MTR	TO-252	1.25-15	0.8	-----	0.006	0.01	0 to +125	.81	.49	.33
511-LD1117SC-R	LD1117SC-R	SOT-223	1.25-15	0.8	-----	1	1	-40 to +125	.99	.59	.41
511-LD29080P	LD29080PTR	PPAK	2.5-13	0.8	-----	1	0.5	-40 to +125	1.69	1.13	.75
511-LD1086DT	LD1086DT	TO-252	2.85-30	1.5	--------	0.2	0.3	-40 to +125	.96	.82	.72
511-LD1086D2M	LD1086D2M	TO-263A	2.85-30	1.5	--------	0.2	0.3	-40 to +125	.96	.82	.72
511-LD1086D2T	LD1086D2T	TO-263	2.85-30	1.5	--------	0.2	0.3	-40 to +125	.96	.82	.72
511-LD1085D2M	LD1085D2M-R	TO-263A	2.85-30	3.0	--------	0.2	0.3	-40 to +125	1.30	1.11	.98
Thru Hole											
511-LD1117V	LD1117V	TO-220AB	1.25-15	0.8	--------	0.2	0.4	0 to +125	1.00	.85	.75
511-LD1085V	LD1085V	TO-220AB	1.25-28	3.0	--------	6	15	-40 to +125	1.50	1.05	.75
511-LD1585CV	LD1585CV	TO-220AB	1.25-28	5.0	--------	0.2	0.3	0 to +125	1.20	1.02	.90
511-LD1084V	LD1084V	TO-220AB	1.25-28	5.0	--------	6	15	-40 to +125	1.76	1.50	1.32

STMICROELECTRONICS POSITIVE ADJUSTABLE VERY LOW DROP VOLTAGE REGULATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-LM2931D	LM2931D	SO-8	2.5-26	0.01	--------	4.5	30	-40 to +125	.56	.48	.42
511-LD29150PTR	LD29150PTR	PPAK	2.5-30	1.5	--------	1	0.5	-40 to +125	1.73	1.15	.76

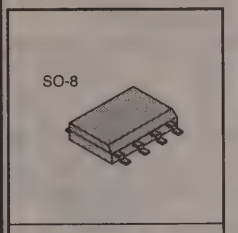
STMICROELECTRONICS NEGATIVE FIXED VOLTAGE REGULATORS

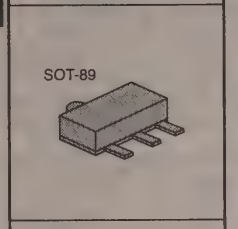
For quantities of 1000 and up, call for quote.

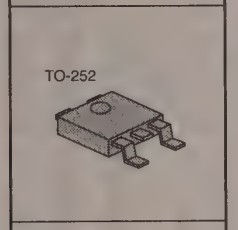
MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-L79L05ABD	L79L05ABD	SO-8	5.0	0.1	1.7	150	60	-40 to +125	.42	.36	.32
511-L79L05ACU	L79L05ACUTR	SOT-89	5.0	0.1	1.7	150	60	0 to +125	.38	.32	.29
511-L79L05ACD	L79L05ACD	SO-8	5.0	0.1	1.7	150	60	0 to +125	.38	.32	.25
511-L7905CD2T	L7905CD2T	TO-252	5.0	1.5	1.4	100	100	0 to +150	.62	.53	.47
511-L79L06ACD	L79L06ACD	SO-8	6.0	0.1	1.7	150	60	0 to +125	.42	.36	.32
511-L7906CD2T	L7906CD2T	TO-252	6.0	1.5	1.4	120	120	0 to +150	.62	.53	.47
511-L79L08ACD	L79L08ACD	SO-8	8.0	0.1	1.7	175	80	0 to +125	.42	.36	.32
511-L79L09ACD	L79L09ACD	SO-8	9.0	0.1	1.7	225	80	0 to +125	.42	.36	.32
511-L79L12ACD	L79L12ACD	SO-8	12.0	0.1	1.7	250	100	0 to +125	.38	.32	.29
511-L7912ACD2T	L7912ACD2T	TO-252	12.0	1.5	1.1	240	240	0 to +125	.68	.58	.51
511-L7912CD2T	L7912CD2T	TO-252	12.0	1.5	1.1	240	240	0 to +150	.97	.64	.42
511-L79L15ACD	L79L15ACD	SO-8	15.0	0.1	1.7	300	150	0 to +125	.42	.36	.32
511-L7915ACD2T-TR	L7915ACD2T-TR	TO-263	15.0	1.5	1.5	300	300	0 to +125	.95	.57	.39
511-L7915CD2T	L7915CD2T	TO-263	15.0	1.5	1.4	100	100	0 to +125	.62	.53	.47
511-L7924CD2T	L7924CD2T	TO-252	24.0	1.5	1.1	480	480	0 to +150	.62	.53	.47

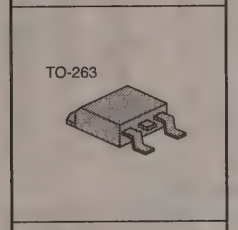
STMICROELECTRONICS Voltage Regulators

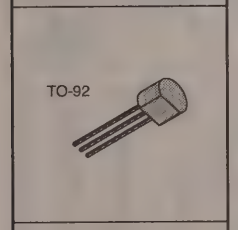
STMicroelectronics

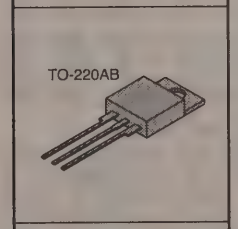


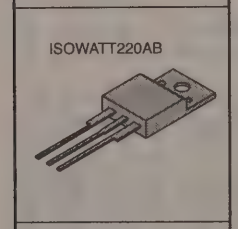


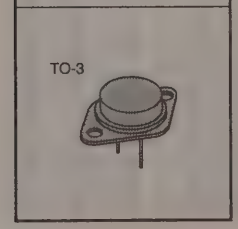












STMICROELECTRONICS NEGATIVE FIXED VOLTAGE REGULATORS (cont.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	100	500
Thru Hole											
511-L79L05ACZ	L79L05ACZ	TO-92	5.0	0.1	1.7	150	60	0 to +125	.28	.24	.21
511-L7905ACV	L7905ACV	TO-220AB	5.0	1.5	1.4	100	100	0 to +125	.77	.46	.31
511-L7905CP	L7905CP	Isowatt220AB	5.0	1.5	1.4	100	100	0 to +150	.52	.44	.39
511-L7905CV	L7905CV	TO-220AB	5.0	1.5	1.4	100	100	0 to +150	.65	.39	.25
511-L7952CT	L7952CT	TO-3	5.2	1.5	1.4	105	105	0 to +150	1.70	1.45	1.28
511-L7952CV	L7952CV	TO-220AB	5.2	1.5	1.4	105	105	0 to +150	.40	.34	.30
511-L7906ACV	L7906ACV	TO-220AB	6.0	1.5	1.4	120	120	0 to +125	.50	.43	.38
511-L7906CT	L7906CT	TO-3	6.0	1.5	1.4	120	120	0 to +150	1.44	1.22	1.08
511-L7906CV	L7906CV	TO-220AB	6.0	1.5	1.4	120	120	0 to +150	.72	.43	.30
511-L79L08ACZ	L79L08ACZ	TO-92	8.0	0.1	1.7	175	80	0 to +125	.32	.27	.24
511-L7908ACV	L7908ACV	TO-220AB	8.0	1.5	1.1	160	160	0 to +125	.72	.43	.30
511-L7908CV	L7908CV	TO-220AB	8.0	1.5	1.1	160	160	0 to +150	.72	.43	.30
511-L79L09ACZ	L79L09ACZ	TO-92	9.0	0.1	1.7	225	80	0 to +125	.32	.27	.24
511-L79L12ACZ	L79L12ACZ	TO-92	12.0	0.1	1.7	250	100	0 to +125	.28	.24	.21
511-L7912ACV	L7912ACV	TO-220AB	12.0	1.5	1.1	240	240	0 to +125	.72	.43	.30
511-L7912CP	L7912CP	Isowatt220AB	12.0	1.5	1.1	240	240	0 to +150	.48	.41	.36
511-L7912CV	L7912CV	TO-220AB	12.0	1.5	1.1	240	240	0 to +150	.65	.39	.25
511-L79L15ACZ	L79L15ACZ	TO-92	15.0	0.1	1.7	300	150	0 to +125	.32	.27	.24
511-L7915ACV	L7915ACV	TO-220AB	15.0	1.5	1.1	300	300	0 to +125	.72	.43	.30
511-L7915CT	L7915CT	TO-3	15.0	1.5	1.1	300	300	0 to +150	1.70	1.45	1.28
511-L7915CV	L7915CV	TO-220AB	15.0	1.5	1.1	300	300	0 to +150	.65	.39	.25
511-L7918ACV	L7918ACV	TO-220AB	18.0	1.5	1.1	360	360	0 to +125	.50	.43	.38
511-L7918CV	L7918CV	TO-220AB	18.0	1.5	1.1	360	360	0 to +150	.65	.39	.25
511-L7920ACV	L7920ACV	TO-220AB	20.0	1.5	1.1	400	400	0 to +125	.50	.43	.38
511-L7924ACV	L7924ACV	TO-220AB	24.0	1.5	1.1	480	480	0 to +125	.50	.43	.38
511-L7924CT	L7924CT	TO-3	24.0	1.5	1.1	480	480	0 to +150	1.70	1.45	1.28
511-L7924CV	L7924CV	TO-220AB	24.0	1.5	1.1	480	480	0 to +150	.68	.45	.28

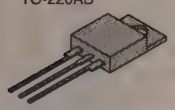
STMICROELECTRONICS POSITIVE FIXED VOLTAGE REGULATORS

For quantities of 1000 and up, call for quote.

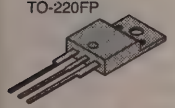
MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-L78L33ACD	L78L33ACD	SO-8	3.3	0.1	1.7	150	60	0 to +125	.36	.31	.27
511-L78L33ACU	L78L33ACUTR	SOT-89	3.3	0.1	1.7	150	60	0 to +125	.34	.29	.26
511-L78L05ABU	L78L05ABUTR	SOT-89	5.0	0.1	1.7	150	60	-40 to +125	.40	.34	.30
511-L78L05ACD	L78L05ACD	SO-8	5.0	0.1	1.7	150	60	0 to +125	.48	.29	.18
511-L78L05ACU	L78L05ACUTR	SOT-89	5.0	0.1	1.7	150	60	0 to +125	.34	.29	.26
511-L78L05CD	L78L05CD	SO-8	5.0	0.1	1.7	200	60	0 to +125	.30	.26	.23
511-L78L05ABD	L78L05ABD	SO-8	5.0	0.1	1.7	150	60	-40 to +125	.47	.27	.17
511-L78M05ACDT	L78M05ACDT	TO-252	5.0	0.5	2.0	100	100	0 to +125	.56	.48	.36
511-L78M05CDT	L78M05CDT	TO-252	5.0	0.5	2.0	100	100	0 to +150	.66	.40	.25
511-L78M05ABDT	L78M05ABDT	TO-252	5.0	0.5	2.0	100	100	-40 to +125	.88	.57	.57
511-L7805ABD2T	L7805ABD2T	TO-263	5.0	1.0	2.0	50	100	-40 to +125	.93	.61	.40
511-L7805ACD2T	L7805ACD2T	TO-263	5.0	1.0	2.0	50	100	0 to +150	1.08	.65	.44
511-L7805CD2T	L7805CD2T	TO-263	5.0	1.0	2.0	50	100	-55 to +150	.72	.48	.32
511-L78L06ACD	L78L06ACD	SO-8	6.0	0.1	1.7	150	60	0 to +125	.36	.31	.27
511-L78L06CD	L78L06CD	SO-8	6.0	0.1	1.7	200	60	0 to +125	.32	.27	.24
511-L78M06CDT	L78M06CDT	TO-252	6.0	0.5	2.0	100	120	0 to +150	.48	.41	.36
511-L7806ABD2T	L7806ABD2T	TO-263	6.0	1.0	2.0	60	100	-40 to +125	.66	.56	.43
511-L7806CD2T	L7806CD2T	TO-263	6.0	1.0	2.0	60	100	-55 to +150	.56	.48	.42
511-L78L08ABU	L78L08ABUTR	SOT-89	8.0	0.1	1.7	175	80	-40 to +125	.40	.34	.30
511-L78L08ACD	L78L08ACD	SO-8	8.0	0.1	1.7	175	80	0 to +125	.69	.41	.25
511-L78L08CD	L78L08CD	SO-8	8.0	0.1	1.7	200	80	0 to +125	.89	.53	.36
511-L78L08ABD	L78L08ABD	SO-8	8.0	0.1	1.7	175	80	-40 to +125	.40	.34	.30
511-L78M08ACDT	L78M08ACDT	TO-252	8.0	0.5	2.0	100	160	0 to +125	.56	.48	.42
511-L78M08CDT	L78M08CDT	TO-252	8.0	0.5	2.0	100	160	0 to +150	.48	.41	.34
511-L78M08ABDT	L78M08ABDT	TO-252	8.0	0.5	2.0	100	160	-40 to +125	.88	.64	.57
511-L7808ABD2T	L7808ABD2T	TO-263	8.0	1.0	2.0	80	100	-40 to +125	.98	.58	.39
511-L7808CD2T	L7808CD2T	TO-263	8.0	1.0	2.0	80	100	-55 to +150	.56	.48	.37
511-L78L09ACU	L78L09ACUTR	SOT-89	9.0	0.1	1.7	225	80	0 to +125	.60	.36	.23
511-L78L09ACD	L78L09ACD	SO-8	9.0	0.1	1.7	225	80	0 to +125	.69	.41	.25
511-L78L09CD	L78L09CD	SO-8	9.0	0.1	1.7	250	80	0 to +125	.32	.27	.24
511-L78M09ACDT	L78M09ACDT	TO-252	9.0	0.5	2.0	100	180	0 to +125	1.07	.63	.43
511-L78M09CDT	L78M09CDT	TO-252	9.0	0.5	2.0	100	180	0 to +150	.48	.41	.36
511-L78M09ABDT	L78M09ABDT	TO-252	9.0	0.5	2.0	100	180	-40 to +125	.84	.71	.63
511-L7809ABD2T	L7809ABD2T	TO-263	9.0	1.5	2.0	100	100	-40 to +125	.90	.54	.37
511-L7809ACD2T-TR	L7809ACD2T-TR	TO-263	9.0	1.5	2.0	90	100	0 to +150	.40	.36	.33
511-L7809CD2T	L7809CD2T	TO-263	9.0	1.0	2.0	100	100	-55 to +150	.56	.48	.36
511-L78M10CDT	L78M10CDT	TO-252	10.0	0.5	2.0	100	200	0 to +150	.48	.41	.36
511-L78L12ACU	L78L12ACUTR	SOT-89	12.0	0.1	1.7	250	100	0 to +125	.34	.29	.26
511-L78L12ACD	L78L12ACD	SO-8	12.0	0.1	1.7	250	100	0 to +125	.69	.41	.25
511-L78L12CD	L78L12CD	SO-8	12.0	0.1	1.7	250	100	0 to +125	.30	.26	.23
511-L78L12ABD	L78L12ABD	SO-8	12.0	0.1	1.7	250	100	-40 to +125	.40	.34	.30
511-L78M12ACDT	L78M12ACDT	TO-252	12.0	0.5	2.0	100	240	0 to +125	1.07	.63	.43
511-L78M12CDT	L78M12CDT	TO-252	12.0	0.5	2.0	100	240	0 to +150	.48	.41	.34
511-L78M12ABDT	L78M12ABDT	TO-252	12.0	0.5	2.0	100	240	-40 to +125	.88	.65	.57
511-L7812ABD2T	L7812ABD2T	TO-263	12.0	1.0	2.0	120	100	-40 to +125	1.17	.69	.47
511-L7812ACD2T	L7812ACD2T	TO-263	12.0	1.0	2.0	120	100	0 to +150	1.17	.69	.47
511-L7812CD2T	L7812CD2T	TO-263	12.0	1.0	2.0	120	100	-55 to +150	.86	.52	.36
511-L78L15ACD	L78L15ACD	SO-8	15.0	0.1	1.7	300	150	0 to +125	.36	.31	.27
511-L78L15CD	L78L15CD	SO-8	15.0	0.1	1.7	300	150	0 to +125	.32	.27	.24
511-L78M15ACDT	L78M15ACDT	TO-252	15.0	0.5	2.0	100	300	0 to +125	.62	.53	.47
511-L78M15CDT	L78M15CDT	TO-252	15.0	0.5	2.0	100	300	0 to +150	.48	.41	.36
511-L7815CD2T	L7815CD2T	TO-263	15.0	1.0	2.0	150	150	-55 to +150	.56	.48	.39
511-L78L18CD	L78L18CD	SO-8	18.0	0.1	1.7	320	170	0 to +125	.34	.29	.26
511-L78L24ABD	L78L24ABD	SO-8	24.0	0.1	1.7	350	200	-40 to +125	.44	.37	.33
511-L78M24CDT	L78M24CDT	TO-252	24.0	0.5	2.0	100	480	0 to +150	.52	.44	.39
511-L7824CD2T	L7824CD2T	TO-263	24.0	1.0	2.0	480	480	0 to +125	.56	.48	.42

TO-92

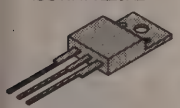
TO-220AB



TO-220FP

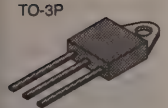


ISOWATT220AB



TO-3

TO-3P



STMICROELECTRONICS POSITIVE FIXED VOLTAGE REGULATORS (CONT.)

For quantities of 1000 and up, call for quote.

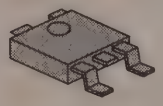
MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each		
									1	100	500
Thru Hole (Cont.)											
511-L78L33ACZ	L78L33ACZ	TO-92	3.3	0.1	1.7	150	60	0 to +125	.28	.24	.21
511-L78L05ACZ	L78L05ACZ	TO-92	5.0	0.1	1.7	150	60	0 to +125	.54	.32	.21
511-L78L05ABZ	L78L05ABZ	TO-92	5.0	0.1	1.7	150	60	-40 to +125	.70	.42	.27
511-LM2930A	LM2930A	TO-220AB	5.0	0.4	0.25	75	110	-40 to +125	1.24	1.05	.93
511-L78M05CP	L78M05CP	Isowatt220AB	5.0	0.5	2.0	100	100	0 to +150	.48	.41	.36
511-L78M05CV	L78M05CV	TO-220AB	5.0	0.5	2.0	100	100	0 to +150	.40	.34	.30
511-L78M05ABV	L78M05ABV	TO-220AB	5.0	0.5	2.0	100	100	-40 to +125	.86	.51	.35
511-L7805ABP	L7805ABP	TO-220FP	5.0	0.5	2.0	100	100	-40 to +125	.99	.59	.41
511-L7805ACP	L7805ACP	Isowatt220AB	5.0	1.0	2.0	50	100	0 to +125	.52	.44	.39
511-L7805ACV	L7805ACV	TO-220AB	5.0	1.0	2.0	50	100	0 to +125	.72	.43	.30
511-L7805CP	L7805CP	Isowatt220AB	5.0	1.0	2.0	100	100	0 to +150	.81	.49	.33
511-L7805CT	L7805CT	TO-3	5.0	1.0	2.0	100	100	0 to +150	2.15	1.50	1.07
511-L7805CV	L7805CV	TO-220AB	5.0	1.0	2.0	100	100	0 to +150	.55	.33	.21
511-L7805ABV	L7805ABV	TO-220AB	5.0	1.0	2.0	50	100	-40 to +125	.60	.51	.45
511-L78S05CV	L78S05CV	TO-220AB	5.0	2.0	- - - - - - -	100	100	0 to +150	.46	.39	.35
511-LM323K	LM323K	TO-3	5.0	3.0	- - - - - - -	25	100	0 to +125	3.48	2.96	2.42
511-LM123K	LM123K	TO-3	5.0	3.0	- - - - - - -	25	100	-55 to +150	7.20	6.12	5.40
511-L78L06ACZ	L78L06ACZ	TO-92	6.0	0.1	1.7	150	60	0 to +125	.28	.24	.21
511-L78M06CV	L78M06CV	TO-220AB	6.0	0.5	2.0	100	120	0 to +150	.72	.43	.30
511-L78M06ABV	L78M06ABV	TO-220AB	6.0	0.5	2.0	100	120	-40 to +125	.89	.53	.36
511-L7806ABV	L7806ABV	TO-220AB	6.0	1.0	2.0	60	100	-40 to +125	.77	.46	.31
511-L7806ACV	L7806ACV	TO-220AB	6.0	1.0	2.0	60	100	0 to +125	.46	.39	.35
511-L7806CP	L7806CP	Isowatt220AB	6.0	1.0	2.0	120	120	0 to +150	.52	.44	.39
511-L7806CV	L7806CV	TO-220AB	6.0	1.0	2.0	120	120	0 to +150	.65	.39	.25
511-L78S75CV	L78S75CV	TO-220AB	7.5	2.0	- - - - - - -	120	120	0 to +150	.73	.51	.36
511-L78L08ACZ	L78L08ACZ	TO-92	8.0	0.1	1.7	175	80	0 to +125	.28	.24	.21
511-L78L08ABZ	L78L08ABZ	TO-92	8.0	0.1	1.7	175	80	-40 to +125	.30	.26	.23
511-L78M08CP	L78M08CP	Isowatt220AB	8.0	0.5	2.0	100	160	0 to +150	1.04	.78	.65
511-L78M08CV	L78M08CV	TO-220AB	8.0	0.5	2.0	100	160	0 to +150	.81	.49	.33
511-L78M08ABV	L78M08ABV	TO-220AB	8.0	0.5	2.0	100	160	-40 to +125	.56	.48	.42
511-L7808ABV	L7808ABV	TO-220AB	8.0	1.0	2.0	80	100	-40 to +125	.77	.46	.31
511-L7808ACV	L7808ACV	TO-220AB	8.0	1.0	2.0	80	100	0 to +125	.40	.34	.30
511-L7808CP	L7808CP	Isowatt220AB	8.0	1.0	2.0	160	160	0 to +150	.52	.44	.39
511-L7808CV	L7808CV	TO-220AB	8.0	1.0	2.0	160	160	0 to +150	.70	.42	.29
511-L7885CV	L7885CV	TO-220AB	8.5	1.0	2.0	160	160	0 to +150	.40	.34	.30
511-L78L09ACZ	L78L09ACZ	TO-92	9.0	0.1	1.7	225	80	0 to +125	.60	.36	.23
511-L78M09CV	L78M09CV	TO-220AB	9.0	0.5	2.0	100	180	0 to +150	.40	.34	.30
511-L78M09ABV	L78M09ABV	TO-220AB	9.0	0.5	2.0	100	180	-40 to +125	.56	.48	.42
511-L7809ABV	L7808ABV	TO-220AB	9.0	1.0	2.0	90	100	-40 to +125	.66	.56	.50
511-L7809ACV	L7809ACV	TO-220AB	9.0	1.0	2.0	90	100	0 to +125	.46	.39	.35
511-L7809CP	L7809CP	Isowatt220AB	9.0	1.0	2.0	180	180	0 to +150	.52	.44	.39
511-L7809CV	L7809CV	TO-220AB	9.0	1.0	2.0	180	180	0 to +150	.65	.39	.25
511-L78S09CT	L78S09CT	TO-3P	9.0	2.0	- - - - -	130	130	0 to +150	1.90	1.62	1.43
511-L78S09CV	L78S09CV	TO-220AB	9.0	2.0	- - - - - - -	130	130	0 to +150	.46	.39	.35
511-L78M10CV	L78M10CV	TO-220AB	10.0	0.5	2.0	100	200	0 to +150	.40	.34	.30
511-L78S10CT	L78S10CT	TO-3	10.0	2.0	- - - - - - -	200	150	0 to +150	1.90	1.62	1.43
511-L78S10CV	L78S10CV	TO-220AB	10.0	2.0	- - - - - - -	200	150	0 to +150	.46	.39	.35
511-L78L12ACZ	L78L12ACZ	TO-92	12.0	0.1	1.7	250	100	0 to +125	.28	.24	.21
511-L78L12ABZ	L78L12ABZ	TO-92	12.0	0.1	1.7	250	100	-40 to +125	.69	.41	.25
511-L78M12CP	L78M12CP	Isowatt220AB	12.0	0.5	2.0	100	240	0 to +150	.48	.41	.36
511-L78M12ABV	L78M12ABV	TO-220AB	12.0	0.5	2.0	100	240	-40 to +125	.56	.48	.42
511-L78M12CV	L78M12CV	TO-220AB	12.0	0.5	2.0	100	240	0 to +150	.72	.43	.30
511-L7812ACV	L7812ACV	TO-220AB	12.0	1.0	2.0	120	100	0 to +125	.72	.43	.30
511-L7812CP	L7812CP	Isowatt220AB	12.0	1.0	2.0	240	240	0 to +150	.52	.44	.39
511-L7812CT	L7812CT	TO-3	12.0	1.0	2.0	240	240	0 to +150	1.86	1.30	.93
511-L7812T	L7812T	TO-3	12.0	1.0	2.0	120	100	-55 to +150	2.60	2.21	1.95
511-L7812CV	L7812CV	TO-220AB	12.0	1.0	2.0	240	240	0 to +150	.55	.33	.21
511-L7812ABV	L7812ABV	TO-220AB	12.0	1.0	2.0	120	100	-40 to +125	.81	.49	.33
511-L78S12CT	L78S12CT	TO-3	12.0	2.0	- - - - - - -	240	160	0 to +150	2.81	1.96	1.40
511-L78S12CV	L78S12CV	TO-220AB	12.0	2.0	- - - - - - -	240	160	0 to +150	.46	.39	.35
511-L78L15ACZ	L78L15ACZ	TO-92	15.0	0.1	1.7	300	150	0 to +125	.28	.24	.21
511-L78M15CV	L78M15CV	TO-220AB	15.0	0.5	2.0	100	300	0 to +150	.40	.34	.30
511-L78M15ABV	L78M15ABV	TO-220AB	15.0	0.5	2.0	100	300	-40 to +125	.86	.51	.35
511-L7815ABV	L7815ABV	TO-220AB	15.0	1.0	2.0	150	100	-40 to +125	.65	.46	.33
511-L7815ACV	L7815ACV	TO-220AB	15.0	1.0	2.0	150	100	0 to +125	.77	.46	.31
511-L7815CP	L7815CP	Isowatt220AB	15.0	1.0	2.0	300	300	0 to +150	.52	.44	.39
511-L7815CT	L7815CT	TO-3	15.0	1.0	2.0	300	300	0 to +150	1.44	1.22	1.07
511-L7815T	L7815T	TO-3	15.0	1.0	2.0	300	300	-55 to +150	2.60	2.21	1.95
511-L7815CV	L7815CV	TO-220AB	15.0	1.0	2.0	300	300	0 to +150	.55	.33	.21
511-L78S15CT	L78S15CT	TO-3	15.0	2.0	- - - - - - -	300	180	0 to +150	1.90	1.62	1.43
511-L78S15CV	L78S15CV	TO-220AB	15.0	2.0	- - - - - - -	300	180	0 to +150	.73	.51	.36
511-L78M18CV	L78M18CV	TO-220AB	18.0	0.5	2.0	100	360	0 to +150	.40	.34	.30
511-L7818ACV	L7818ACV	TO-220AB	18.0	1.0	2.0	180	100	0 to +125	1.20	1.02	.90
511-L7818CT	L7818CT	TO-3	18.0	1.0	2.0	360	360	0 to +150	1.44	1.22	1.08
511-L7818CV	L7818CV	TO-220AB	18.0	1.0	2.0	360	360	0 to +150	.65	.39	.25
511-L7818ABV	L7818ABV	TO-220AB	18.0	1.0	2.0	180	100	-40 to +125	.66	.56	.50
511-L78S18CV	L78S18CV	TO-220AB	18.0	2.0	- - - - - - -	360	200	0 to +150	.46	.39	.35
511-L78M20CV	L78M20CV	TO-220AB	20.0	0.5	2.0	100	400	0 to +150	.40	.34	.30
511-L7820ACV	L7820ACV	TO-220AB	20.0	1.0	2.0	210	100	0 to +125	.40	.34	.30
511-L7820CV	L7820CV	TO-220AB	20.0	1.0	2.0	400	400	0 to +150	.65	.39	.25
511-L78L24ACZ	L78L24ACZ	TO-92	24.0	0.1	1.7	350	200	0 to +125	.32	.27	.24
511-L78M24CV	L78M24CV	TO-220AB	24.0	0.5	2.0	100	480	0 to +150	.72	.43	.30
511-L7824ACV	L7824ACV	TO-220AB	24.0	1.0	2.0	240	100	0 to +125	.77	.46	.31
511-L7824CT	L7824CT	TO-3	24.0	1.0	2.0	480	480	0 to +150	1.44	1.22	1.07
511-L7824CV	L7824CV	TO-220AB	24.0	1.0	2.0	480	480	0 to +150	.65	.39	.25
511-L78S24CV	L78S24CV	TO-220AB	24.0	2.0	- - - - - - -	480	250	0 to +150	.46	.39	.35

STMICROELECTRONICS Voltage Regulators

STMicroelectronics

STMICROELECTRONICS POSITIVE FIXED LOW DROP VOLTAGE REGULATORS

TO-252



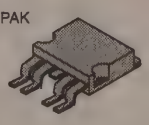
TO-263

TO-263A

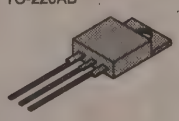
SOT-223

SOT-23-5L

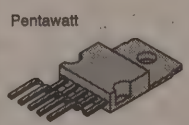
PPAK



TO-220AB



Pentawatt



For quantities of 1000 and up, call for quot

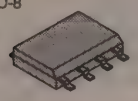
MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-LD1117DT12	LD1117DT12TR	TO-252	1.2	0.8	1.1	6	10	0 to +125	1.16	.78	.51
511-LD1117S12	LD1117S12TR	SOT-223	1.2	0.8	1.1	0.2	0.4	0 to +125	.66	.56	.50
511-LD1086D2T12	LD1086D2T12	TO-263	1.2	1.5	1.3	4	8	-40 to +125	1.30	1.11	.98
511-LD29080PT15R	LD29080PT15R	PPAK	1.5	0.8	- - - - -	1	0.5	-40 to +125	1.84	1.23	.81
511-LK112M18	LK112M18TR	SOT-23-5L	1.8	0.1	0.24	20	30	-30 to +80	.64	.54	.48
511-LK112SM18	LK112SM18TR	SOT-23-5L	1.8	0.2	0.24	20	30	-30 to +80	.76	.65	.57
511-LD1117DT18CTR	LD1117DT18CTR	TO-252	1.8	0.8	1.10	6	10	0 to +125	.77	.43	.28
511-LD1086D2M18	LD1086D2M18	TO-263A	1.8	1.5	1.3	4	8	-40 to +125	.96	.82	.72
511-LK112M25	LK112M25TR	SOT-23-5L	2.5	0.1	0.24	20	30	-30 to +80	.64	.54	.48
511-LK112SM25	LK112SM25TR	SOT-23-5L	2.5	0.2	0.24	20	30	-30 to +80	.76	.65	.57
511-LD29080DT25R	LD29080DT25R	TO-252	2.5	0.8	0.1	1	0.5	-40 to +125	1.43	.95	.63
511-LD1117DT25C	LD1117DT25C	TO-252	2.5	0.8	1.1	30	30	0 to +125	.92	.76	.60
511-LD1117S25C	LD1117S25CTR	SOT-223	2.5	0.8	1.1	30	30	0 to +125	.77	.43	.28
511-LD1086DT25	LD1086DT25	TO-252	2.5	1.5	1.3	4	8	-40 to +125	.96	.82	.72
511-LD1086D2M25	LD1086D2M25	TO-263A	2.5	1.5	1.3	4	8	-40 to +125	.96	.82	.72
511-LK112M33	LK112M33TR	SOT-23-5L	3.3	0.1	0.24	20	30	-30 to +80	.64	.54	.48
511-LK112SM33	LK112SM33TR	SOT-23-5L	3.3	0.2	0.24	20	30	-30 to +80	.76	.65	.57
511-LD29080DT33R	LD29080DT33R	TO-252	3.3	0.8	0.1	1	0.5	-40 to +125	1.43	.95	.63
511-LD29080PT33R	LD29080PT33R	PPAK	3.3	0.8	0.1	1	0.5	-40 to +125	1.43	.95	.63
511-LD1117D33	LD1117D33	SO-8	3.3	0.8	1.1	0.2	0.4	0 to +125	.77	.43	.28
511-LD1117DT33	LD1117DT33	TO-252	3.3	0.8	1.1	6	10	0 to +125	1.04	.88	.77
511-LD1117DT33C	LD1117DT33C	TO-252	3.3	0.8	1.1	30	30	0 to +125	1.16	.78	.51
511-LD1117AS33	LD1117AS33TR	SOT-223	3.3	0.8	1.1	6	10	0 to +125	1.10	.94	.83
511-LD1117S33	LD1117S33	SOT-223	3.3	0.8	1.1	6	10	0 to +125	.77	.43	.28
511-LD1117S33C	LD1117S33C	SOT-223	3.3	0.8	1.1	30	30	-40 to +125	.77	.43	.28
511-LD1086D2M33	LD1086D2M33	TO-263A	3.3	1.5	1.3	6	10	-40 to +125	.96	.82	.72
511-LD1086D2T33	LD1086D2T33	TO-263	3.3	1.5	1.3	6	10	-40 to +125	.96	.82	.63
511-LD1085D2M33	LD1085D2M33	TO-263A	3.3	3.0	1.3	6	15	-40 to +125	1.30	1.11	.98
511-LD1085D2T33	LD1085D2T33	TO-263	3.3	3.0	1.3	6	15	-40 to +125	1.30	1.11	.98
511-LD1086DT36	LD1086DT36	TO-252	3.6	1.5	1.3	10	15	-40 to +125	.96	.82	.72
511-LK112SM50	LK112SM50TR	SOT-23-5L	5.0	0.2	0.24	20	30	-30 to +80	.86	.51	.35
511-LD1117DT50	LD1117DT50	TO-252	5.0	0.8	1.1	10	15	0 to +125	1.04	.76	.69
511-LD1117DT50C	LD1117DT50C	TO-252	5.0	0.8	1.1	50	50	0 to +125	.92	.76	.60
511-LD1117S50	LD1117S50TR	SOT-223	5.0	0.8	1.1	10	15	0 to +125	1.40	1.19	1.05
511-L4941BDT	L4941BDT	TO-252	5.0	1.0	0.45	20	20	0 to +125	1.46	1.24	1.10
511-L4940D2T5	L4940D2T5	TO-263	5.0	1.5	0.5	10	25	-40 to +125	1.80	1.53	1.17
511-LD1086DT50	LD1086DT50	TO-252	5.0	1.5	1.3	10	20	-40 to +125	.96	.82	.72
511-LD1084D2M50-TR	LD1084D2M50R	TO-263A	5.0	5.0	1.3	10	20	-40 to +125	.74	.67	.60
511-LD29080DT90R	LD29080DT90R	TO-252	9.0	0.8	0.1	1	0.5	-40 to +125	1.84	1.23	.81
Thru Hole											
511-LD1585CV12	LD1585CV12	TO-220AB	1.2	5.0	1.2	0.2	0.3	0 to +125	1.20	1.02	.90
511-LD1084V12	LD1084V12	TO-220AB	1.2	5.0	1.3	6	15	-40 to +125	1.76	1.50	1.32
511-LD1117V18	LD1117V18	TO-220AB	1.8	0.8	1.1	6	10	0 to +125	.88	.75	.66
511-LD1086V18	LD1086V18	TO-220AB	1.8	1.5	1.3	10	25	-40 to +150	.96	.82	.72
511-LD1085V18	LD1085V18	TO-220AB	1.8	3.0	1.3	6	15	-40 to +125	1.30	1.11	.98
511-LD1585CV18	LD1585CV18	TO-220AB	1.8	5.0	1.2	0.2	0.3	0 to +125	1.20	1.02	.90
511-LD1084V18	LD1084V18	TO-220AB	1.8	5.0	1.3	6	15	-40 to +125	1.76	1.50	1.32
511-LD1117V25	LD1117V25	TO-220AB	2.5	0.8	1.1	6	10	0 to +125	.88	.75	.66
511-LD1086V25	LD1086V25	TO-220AB	2.5	1.5	1.3	10	25	-40 to +150	.96	.82	.72
511-LD1085V25	LD1085V25	TO-220AB	2.5	3.0	1.3	6	15	-40 to +125	1.30	1.11	.98
511-LD1084V25	LD1084V25	TO-220AB	2.5	5.0	1.3	6	15	-40 to +125	1.76	1.50	1.32
511-LD1117V30C	LD1117V30C	TO-220AB	3.0	0.8	1.1	30	30	0 to +125	.80	.68	.60
511-LD1117V33	LD1117V33	TO-220AB	3.3	0.8	1.1	6	10	0 to +125	.77	.43	.28
511-LD1117V33C	LD1117V33C	TO-220AB	3.3	0.8	1.1	30	30	0 to +125	.77	.43	.28
511-LD1086V33	LD1086V33	TO-220AB	3.3	1.5	1.3	10	25	-40 to +150	.96	.82	.72
511-LD1085V33	LD1085V33	TO-220AB	3.3	3.0	1.3	6	15	-40 to +125	1.30	1.11	.98
511-LD1585CV33	LD1585CV33	TO-220AB	3.3	5.0	1.2	0.2	0.3	0 to +125	1.20	1.02	.90
511-LD1084V33	LD1084V33	TO-220AB	3.3	5.0	1.3	6	15	-40 to +125	1.76	1.50	1.32
511-LD1085V36	LD1085V36	TO-220AB	3.6	3.0	1.3	10	15	-40 to +125	1.30	1.11	.98
511-L387A	L387A	Pentawatt	5.0	0.5	0.4	50	60	-40 to +125	1.92	1.63	1.44
511-LD1117V50C	LD1117V50C	TO-220AB	5.0	0.8	1.1	50	50	0 to +125	.80	.68	.60
511-L4941BV	L4941BV	TO-220AB	5.0	1.0	0.45	20	20	0 to +125	1.10	.77	.59
511-L4940V5	L4940V5	TO-220AB	5.0	1.5	0.5	10	25	0 to +125	2.16	1.51	1.08
511-LD1086V50	LD1086V50	TO-220AB	5.0	1.5	1.3	10	20	-40 to +125	.96	.82	.72
511-LD1085V50	LD1085V50	TO-220AB	5.0	3.0	1.3	10	10	-40 to +125	1.30	1.11	.98
511-L4940V85	L4940V85	TO-220AB	8.5	1.5	0.5	9	30	0 to +125	1.52	1.29	1.14
511-LD1086V90	LD1086V90	TO-220AB	9.0	1.5	1.3	20	30	-40 to +125	.96	.82	.72
511-L4940V10	L4940V10	TO-220AB	10.0	1.5	0.5	8	35	0 to +125	2.03	1.41	1.08
511-L4940V12	L4940V12	TO-220AB	12.0	1.5	0.5	7	35	0 to +125	2.16	1.51	1.08
511-LD1085V12	LD1085V12	TO-220AB	12.0	3.0	1.3	6	15	-40 to +125	1.30	1.11	.98

STMICROELECTRONICS Voltage Regulators

STMicroelectronics

STMICROELECTRONICS POSITIVE FIXED VERY LOW DROP VOLTAGE REGULATORS

SO-8



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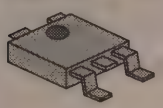
TO-252



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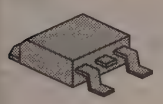

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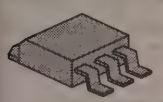
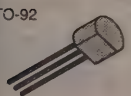
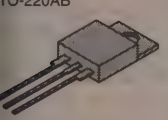


PPAK

TO-92



TO-220AB



Pentawatt

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-L4931ABD15	L4931ABD15-TR	TO-252	1.5	0.25	0.4	15	15	-40 to +125	1.28	.85	.56
511-LF15CDT	LF15CDT	TO-252	1.5	1.0	1.0	10	10	-40 to +125	.88	.75	.66
511-LD2982AM18R	LD2982AM18R	SOT-23-5L	1.8	0.05	0.003	0.014	- - - - -	-40 to +125	.98	.65	.43
511-LD29150PT18R	LD29150PT15R	PPAK	1.8	1.5	0.1	1	0.5	-40 to +125	.90	.77	.68
511-LK115D25	LK115D25	SO-8	2.5	0.1	0.17	10	20	-40 to +125	.66	.56	.50
511-L4931CDT25	L4931CDT25	TO-252	2.5	0.3	0.4	18	18	-40 to +125	.82	.70	.62
511-LF25CDT	LF25CDT	TO-252	2.5	0.5	0.2	12	10	-40 to +125	.88	.75	.66
511-LF25ABDT	LF25ABDT	TO-252	2.5	1.0	0.4	12	12	-40 to +125	.92	.78	.69
511-LK115D30	LK115D30	SO-8	3.0	0.2	0.17	10	20	-40 to +125	.66	.56	.50
511-LF30CDT	LF30CDT	TO-252	3.0	0.5	0.2	15	15	-40 to +125	.88	.75	.66
511-LK115D33	LK115D33	SO-8	3.3	0.1	0.17	10	20	-40 to +125	.66	.56	.43
511-LE33CD	LE33CD	SO-8	3.3	0.1	0.2	20	25	-40 to +125	.60	.51	.45
511-LD2981ABM33	LD2981ABM33TR	SOT-23-5L	3.3	0.1	0.2	0.014	- - - - -	-40 to +125	.84	.71	.63
511-L4931CD33	L4931CD33	SO-8	3.3	0.3	0.4	18	18	-40 to +125	.74	.63	.56
511-L4931CDT33	L4931CDT33	TO-252	3.3	0.3	0.4	18	18	-40 to +125	.82	.70	.62
511-L4931CPT33	L4931CPT33	PPAK	3.3	0.3	0.4	18	18	-40 to +125	.80	.68	.60
511-LF33CDT	LF33CDT	TO-252	3.3	0.5	0.2	16	16	-40 to +125	.88	.75	.66
511-LF33CPT	LF33CPT	PPAK	3.3	1.0	0.4	16	16	-40 to +125	1.10	.94	.83
511-KF33BDT-TR	KF33BDT-TR	TO-252	3.3	1.0	0.2	18	50	-40 to +125	1.73	1.15	.76
511-LD2980CM38	LD2980CM38TR	SOT-23-5L	3.8	0.05	0.12	0.014	- - - - -	-40 to +125	.68	.58	.51
511-LE45ABD	LE45ABD	SO-8	4.5	0.1	0.2	20	15	-40 to +125	.70	.60	.53
511-LD2980ABM50	LD2980ABM50TR	SOT-23-5L	5.0	0.05	0.12	0.014	- - - - -	-40 to +125	1.04	.88	.77
511-LD2980CM50	LD2980CM50TR	SOT-23-5L	5.0	0.05	0.12	0.014	- - - - -	-40 to +125	.68	.58	.51
511-LK115D50	LK115D50	SO-8	5.0	0.1	0.17	15	20	-40 to +125	.66	.56	.50
511-LE50ABD	LE50ABD	SO-8	5.0	0.1	0.20	20	15	-40 to +125	.70	.60	.53
511-LD2981ABM50	LD2981ABM50TR	SOT-23-5L	5.0	0.1	0.2	0.014	- - - - -	-40 to +125	1.12	.95	.83
511-LD2981ABU50	LD2981ABU50TR	SOT-89	5.0	0.1	0.2	0.014	- - - - -	-40 to +125	1.00	.85	.74
511-LM2931AD50	LM2931AD50R	SO-8	5.0	0.1	0.25	10	50	-40 to +125	.50	.43	.38
511-LM2931ADT50	LM2931ADT50	TO-252	5.0	0.1	0.25	10	50	-40 to +125	.50	.43	.38
511-L4931ABDT50	L4931ABDT50	TO-252	5.0	0.25	0.40	17.5	15	-40 to +125	.86	.73	.65
511-L4931ABD50	L4931ABD50	SO-8	5.0	0.3	0.4	17.5	15	-40 to +125	.80	.68	.60
511-L4931ABPT50	L4931ABPT50	PPAK	5.0	0.3	0.4	17.5	15	-40 to +125	.98	.83	.74
511-L4931CD50	L4931CD50	SO-8	5.0	0.3	0.4	21	18	-40 to +125	.74	.63	.56
511-L4931CDT50	L4931CDT50	TO-252	5.0	0.3	0.4	21	18	-40 to +125	.82	.70	.62
511-L4931CPT50	L4931CPT50	PPAK	5.0	0.3	0.4	21	18	-40 to +125	.80	.68	.60
511-LF50CDT	LF50CDT	TO-252	5.0	0.5	0.2	25	25	-40 to +125	.88	.75	.66
511-LF50ABDT	LF50ABDT	TO-252	5.0	1.0	0.4	25	25	-40 to +125	1.00	.85	.74
511-LF50ABP	LF50ABP	PPAK	5.0	1.0	0.4	25	25	-40 to +125	1.00	.85	.75
511-LF50CPT	LF50CPT-TR	PPAK	5.0	1.0	0.4	25	25	-40 to +125	1.10	.94	.83
511-KF50BDT	KF50BDT	TO-252	5.0	1.0	0.2	18	50	-40 to +125	.80	.68	.60
511-KF50BDT-TR	KF50BDT-TR	TO-252	5.0	1.0	0.2	18	50	-40 to +125	1.50	1.00	.66
511-LD29150DT50R	LD29150DT50R	TO-252	5.0	1.5	0.1	1	0.5	-40 to +125	1.65	1.15	.82
511-LD29150PT50R	LD29150PT50R	PPAK	5.0	1.5	0.1	1	0.5	-40 to +125	1.69	1.12	.74
511-L4940D2M5	L4940D2M5-TR	TO-263A	5.0	1.5	0.5	10	25	-40 to +150	1.80	1.26	.90
511-L4940D2T5	L4940D2T5	TO-263	5.0	1.5	0.5	10	25	-40 to +150	1.80	1.53	1.17
511-LF60CDT	LF60CDT	TO-252	6.0	0.5	0.2	30	30	-40 to +125	.88	.75	.66
511-LF80ABDT-TR	LF80ABDT-TR	TO-252	8.0	0.5	0.35	40	40	-40 to +125	.70	.60	.53
511-LF80CDT	LF80CDT	TO-252	8.0	0.5	0.2	40	40	-40 to +125	.88	.75	.66
511-KF80BDT	KF80BDT	TO-252	8.0	1.0	1.25	12	50	-40 to +125	.80	.68	.60
511-L4940D2T85	L4940D2T85	TO-263	8.5	1.5	0.50	9	30	-40 to +150	1.52	1.29	1.10
511-LF90CDT	LF90CDT	TO-252	9.0	1.0	0.40	45	45	-40 to +125	.96	.82	.72
511-L4940D2T10	L4940D2T10	TO-263	10.0	1.5	0.5	8	35	-40 to +150	1.80	1.53	1.35
511-L4931CPT120	L4931CPT120	PPAK	12.0	0.3	0.40	24	18	-40 to +125	.80	.68	.60
511-LF120CDT	LF120CDT	TO-252	12.0	1.0	0.40	60	60	-40 to +125	.88	.75	.66
Thru Hole											
511-LE12ABZ	LE12ABZ	TO-92	1.25	0.1	1.25	15	15	-40 to +125	.66	.56	.50
511-LF18ABV	LF18ABV	TO-220AB	1.8	0.5	0.7	12	10	-40 to +125	.88	.75	.66
511-L4931ABZ25	L4931ABZ25	TO-92	2.5	0.3	0.4	15	15	-40 to +125	1.46	.97	.64
511-LF25CV	LF25CV	TO-220AB	2.5	0.5	0.2	12	12	-40 to +125	.84	.71	.63
511-LD29150V25	LD29150V25	TO-220AB	2.5	1.5	0.1	1	0.5	-40 to +125	1.10	.94	.83
511-LE30ABZ	LE30ABZ	TO-92	3.0	0.1	0.2	15	15	-40 to +125	.66	.56	.50
511-LF30CV	LF30CV	TO-220AB	3.0	0.5	0.2	15	15	-40 to +125	.84	.71	.63
511-LD2979Z33	LD2979Z33	TO-92	3.3	0.05	0.2	28	- - - - -	-25 to +125	.48	.41	.36
511-LE33ABZ	LE33ABZ	TO-92	3.3	0.1	0.2	15	15	-40 to +125	.66	.56	.50
511-LE33CZ-TR	LE33CZ-TR	TO-92	3.3	0.1	0.2	20	25	-40 to +125	.86	.51	.35
511-L4931ABV33	L4931ABV33	TO-220AB	3.3	0.3	0.4	15	15	-40 to +125	.70	.60	.53
511-L4931CZ33	L4931CZ33	TO-92	3.3	0.3	0.4	18	18	-40 to +125	.56	.48	.42
511-LF33ABV	LF33ABV	TO-220AB	3.3	0.5	0.2	16	16	-40 to +125	.88	.75	.66
511-LF33CV	LF33CV	TO-220AB	3.3	0.5	0.2	16	16	-40 to +125	.84	.71	.63
511-LF33CP	LF33CP	TO-220AB	3.3	1.0	0.4	16	16	-40 to +125	1.10	.94	.83
511-LE40CZ	LE40CZ	TO-92	4.0	0.1	0.2	30	25	-40 to +125	.56	.48	.42
511-LF47CV	LF47CV	TO-220AB	4.7	0.5	0.2	23	23	-40 to +125	.84	.71	.63
511-LM2931AV50	LM2931AV50	TO-220AB	5.0	0.1	0.25	10	50	-40 to +125	.50	.43	.38
511-LM2931AZ50R	LM2931AZ50R	TO-92	5.0	0.1	0.25	10	33	-40 to +125	.77	.45	.31
511-LE50ABZ	LE50ABZ	TO-92	5.0	0.1	0.2	20	15	-40 to +125	.66	.56	.50
511-L4931CZ50	L4931CZ50	TO-92	5.0	0.3	0.4	21	18	-40 to +125	.56	.48	.42
511-LF50CV	LF50CV	TO-220AB	5.0	0.5	0.2	25	25	-40 to +125	.84	.71	.63
511-L4945	L4945	TO-220AB	5.0	0.5	0.4	10	60	-40 to +125	5.20	4.42	3.90
511-L4947H	L4947H	Pentawatt	5.0	0.5	0.4	10	60	-40 to +125	2.56	2.18	1.92
511-L4947R	L4947R	Pentawatt	5.0	0.5	0.4	10	60	-40 to +125	3.00	2.55	2.25
511-LF50CP	LF50CP	TO-220AB	5.0	1.0	0.4	25	25	-40 to +125	1.10	.94	.83
511-LF52CV	LF52CV	TO-220AB	5.2	0.5	0.2	26	26	-40 to +125	.84	.71	.63
511-LF60CV	LF60CV	TO-220AB	6.0	0.5	0.2	30	30	-40 to +125	.84	.71	.63
511-LF80CV	LF80CV	TO-220AB	8.0	0.5	0.2	40	40	-40 to +125	.84	.71	.63
511-LF85CV	LF85CV	TO-220AB	8.5	0.5	0.2	42	42	-40 to +125	.84	.71	.63

STMICROELECTRONICS Voltage Regulators

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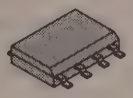
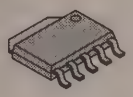
SO-8



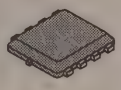
PowerSO-20

SPAK-5L



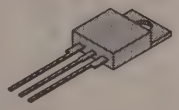
SPAK-7L

DFN-8

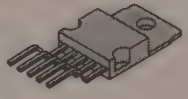


SOT-23-5L

TO-220AB



Pentawatt



STMICROELECTRONICS DUAL POSITIVE FIXED VERY LOW DROP VOLTAGE REGULATORS

For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-LDR1833K7-R	LDR1833K7-R	SPAK-7L	1.8/3.3	0.5/1.0	0.7/0.8	30/40	10/60	-40 to +125	1.61	1.08	.71
511-LDR2533K7-R	LDR2533K7-R	SPAK-7L	2.5/3.3	0.5/1.0	0.7/0.8	30/40	10/60	-40 to +125	1.61	1.08	.71

STMICROELECTRONICS POSITIVE FIXED ULTRA LOW DROP VOLTAGE REGULATORS

For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-LD3985M25R	LD3985M25R	SOT-23-5L	2.5	0.15	0.002	0.1	0.002	-40 to +125	.95	.57	.39
511-LDS3985M33R	LDS3985M33R	SOT-23-5L	3.3	0.3	0.4	0.1	0.01	-40 to +125	.90	.54	.37

STMICROELECTRONICS DUAL LOW QUIESCENT CURRENT VOLTAGE REGULATOR

For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-ST2L05-3300K5	ST2L05-3300K5	SPAK-5L	3.3/Adj	1.0/1.0	1.3/1.3	15/15	12/12	0 to +150	1.30	1.11	.98
511-ST2L05R3325PS	ST2L05R3325PS	DFN-8	3.3/2.5	1.0/1.0	1.3/1.3	15/15	12/12	0 to +150	1.28	1.09	.96

STMICROELECTRONICS TRIPLE VOLTAGE REGULATOR

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	100	500
Surface Mount											
511-ST3L01K7R	ST3L01K7R	SPAK-7L	2.6/3.3/8.0	2.5/2.5/0.5	1.9/1.4/2.2	<0.2	<0.4	0 to +70	2.79	1.95	1.3

STMICROELECTRONICS POSITIVE FIXED VOLTAGE REGULATOR FOR BATTERY CHARGER

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	100	50
Thru Hole											
511-PB137ACV	PB137ACV	TO-220AB	13.7	1.5	2.1	150	100	-0 to +150	.72	.61	.5

STMICROELECTRONICS POSITIVE FIXED SMART VOLTAGE REGULATOR

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	100	50
Surface Mount											
511-ST1534LD	ST1534LD	SO-8	3.3	0.25	1.15	0.5	1	-0 to +85	.90	.77	.6

STMICROELECTRONICS LNBP SUPPLY & CONTROL VOLTAGE REGULATOR

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	100	50
Surface Mount											
511-LNBP20PD	LNBP20PD	Power SO-20	25/25	18.7/13.5	22	40	180	-40 to +125	3.20	2.72	2.4

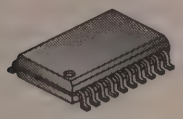
STMICROELECTRONICS ADJUSTABLE VOLTAGE & CURRENT REGULATOR

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	100	50
Thru Hole											
511-L200CH	L200CH	Pentawatt	2.85 to 36	Int. Limited	2	60	1	-25 to +150	1.48	1.26	1.1
511-L200CV	L200CV	Pentawatt	2.85 to 36	Int. Limited	2	60	1	-25 to +150	1.40	1.19	1.0

SUPERTEX Switchmode PWM Controllers

Supertex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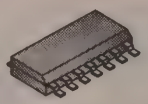
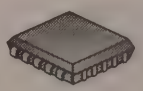
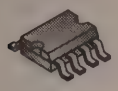
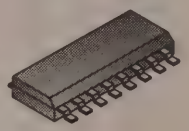

SO-14

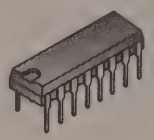
DIP-14


PLCC-20


SO-8

DIP-8


SO-16


DIP-16

HV9100 through HV9103 and HV9110 through 9113 are a series of BiCMOS/ DMOS single-tput, pulse width modulator ICs intended for use in h-speed high-efficiency switchmode power pplies. They provide all the functions necessary to plement a single-switch current-mode PWM, in any pology, with a minimum of external parts.

HV9105 and HV9106 are high-efficiency high tage SMPS ICs intended for use in nverters requiring extreme efficiency at output wer levels of 5.0W or less. The low supply current 5mA max) allows them to be used to build supplies ich meet CCITTI.430 performance ommendations (60% efficiency at .025W out).

HV9120 and HV9123 are Switch Mode Power pply (SMPS) controller subsystems that can start d run directly from almost any DC input, from a 12V battery to a rectified and filtered 240V AC line. They contain all the elements required to build a single-switch converter except for the switch, magnetic assembly, output rectifier(s) and filter(s).

- **HV9605C** is a BiCMOS/DMOS single-output, current mode, pulse width modulator IC designed to meet the requirements of ETR-080 for ISDN applications. In a 14 pin package, it provides all the necessary functions to implement a single-switch PWM with a minimum of external parts.

- **HV9606** PWM controller allows the design of high efficiency (>90%) power supplies for distributed board mounted power (BMP) applications. Due to its high frequency capability it can provide high currents (20A @ 3.3V) with small transformers and due to its low internal operating voltage and current is also able to achieve high efficiencies in low power applications.

- **HV9904** is a second order PWM controller designed to provide a constant average current output or a constant average voltage output from an input of 10V to 400V DC or directly from rectified AC mains up to 280V. The second order topology is capable of extremely high dynamic control range, allowing operation directly from rectified AC mains without the need for bulky and expensive high voltage input electrolytic capacitor.

- **HV9906** allows the development of the smallest possible, most reliable, offline and wide DC/DC conversion range converters for driving LEDs and other applications. The HV9906 combines internally all the components required to operate directly from the rectified AC line with a feedback mechanism that eliminates filters & compensation components, and which can close the loop with feedback from a discontinuous waveform (eg. LED current).

- For Evaluation/Design Shortcut see DEMO BOARDS (IC Included)

Demo Boards	Price Each
689-HV9112DB3	180.00
689-HV9605DB1	180.00
689-HV9606DB1	180.00
689-HV9606DB2	180.00
689-HV9906DB2	140.00
689-HV9906DB6	140.00
689-HV9906DB7	180.00

pertex proprietary BiCMOS/DMOS technology results in a device with one tenth of the operating power of conventional bipolar PWM ICs, which can rate at more than twice their switching frequency. Dynamic range for regulation is also increased, to approximately 8 times that of similar bipolar parts

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	V_{IN} Min. (V)	V_{IN} Max. (V)	Feedback Vorlage	Max. Duty Cycle	Switch	MOSFET Switch BV_{DSS}	MOSFET Switch $RDS_{(on)}$	Price Each 1	100	500	1000
9-HV9606SP	HV9606SP	SSOP-20	2	250	±1%	49%	External	---	---	4.09	3.40	3.14	3.01
9-HV9112NG	HV9112NG	SO-14	9	80	±2%	49%	External	---	---	2.55	2.12	1.96	1.88
9-HV9112P	HV9112P	DIP-14	9	80	±2%	49%	External	---	---	2.32	1.93	1.78	1.71
9-HV9906LG-G	HV9906LG-G	SO-8	9	400	±10%	---	External	---	---	2.98	2.48	2.29	2.20
9-HV9906P	HV9906P	DIP-8	9	400	±10%	---	External	---	---	2.93	2.43	2.25	2.16
9-HV9102PJ	HV9102PJ	PLCC-20	10	120	±1%	49%	Internal	200	7	4.88	4.06	3.75	3.60
9-HV9105PJ	HV9105PJ	PLCC-20	10	120	±1%	49%	Internal	200	5	4.47	3.71	3.43	3.29
9-HV9110NG	HV9110NG	SO-14	10	120	±1%	49%	External	---	---	3.42	2.84	2.63	2.52
9-HV9110P	HV9110P	DIP-14	10	120	±1%	49%	External	---	---	3.25	2.70	2.50	2.39
9-HV9103P	HV9103P	DIP-14	10	120	±1%	99%	Internal	200	7	4.47	3.71	3.43	3.29
9-HV9108PJ	HV9108PJ	PLCC-20	10	120	±1%	99%	Internal	200	5	4.92	4.09	3.78	3.63
9-HV9113NG	HV9113NG	SO-14	10	120	±1%	99%	External	---	---	3.06	2.54	2.35	2.25
9-HV9120NG-G	HV9120NG-G	SO-16	10	450	±2%	49%	External	---	---	2.45	2.04	1.88	1.81
9-HV9120P	HV9120P	DIP-16	10	450	±2%	49%	External	---	---	2.15	1.79	1.65	1.58
9-HV9120PJ	HV9120PJ	PLCC-20	10	450	±2%	49%	External	---	---	2.62	2.18	2.01	1.93
9-HV9123NG	HV9123NG	SO-16	10	450	±2%	99%	External	---	---	2.58	2.15	1.99	1.90
9-HV9123P	HV9123P	DIP-16	10	450	±2%	99%	External	---	---	2.38	1.98	1.83	1.75
9-HV9123PJ-G	HV9123PJ-G	PLCC-20	10	450	±2%	99%	External	---	---	2.81	2.34	2.16	2.07
9-HV9605CNG	HV9605CNG	SO-14	15	250	±1%	49%	External	---	---	2.07	1.72	1.59	1.53
9-HV9605CP	HV9605CP	DIP-14	15	250	±1%	49%	External	---	---	2.13	1.77	1.64	1.57

TEXAS INSTRUMENTS Comparators

GENERAL PURPOSE

◆ Surface Mount Devic

For quantities of 250 and up, call for quo

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Pkg.	IQ per Channel (Max.) (mA)	Output Current (Min.) (mA)	tRESP Low-to-High (us)	Vs (Max.) (V)	Vs (Min.) (V)	VICR (Max.) (V)	VIO (25°C) (Max.) (mV)	Output Type	No. of Channels	Price Each 1	25	100
◆ 595—	LM339AD	SOIC-14	0.5	6	0.3	30	2	-	2	Open Drain / Collector	4	.49	.38	.27
595—	LM339AN	PDIP-14	0.5	6	0.3	30	2	-	2	Open Drain / Collector	4	.49	.38	.27
◆ 595—	LM393AD	SOIC-8	0.5	6	0.3	30	4	3.5	2	Open Drain / Collector	2	.49	.38	.27
595—	LM393AP	PDIP-8	0.5	6	0.3	30	4	3.5	2	Open Drain / Collector	2	.49	.38	.27
◆ 595—	LM293AD	SOIC-8	0.5	6	0.3	30	2	-	3	Open Drain / Collector	2	.64	.50	.36
◆ 595—	LM139D	SOIC-14	0.5	6	0.3	36	2	3.5	5	Open Drain / Collector	4	1.20	1.00	.80
◆ 595—	LM293D	SOIC-8	0.5	6	0.3	36	2	3.5	5	Open Drain / Collector	4	.48	.38	.27
595—	LM293P	PDIP-8	0.5	6	0.3	36	2	3.5	5	Open Drain / Collector	4	.48	.38	.27
◆ 595—	LM339D	SOIC-14	0.5	6	0.3	30	2	3.5	5	Open Drain / Collector	4	.42	.33	.24
595—	LM339N	PDIP-14	0.5	6	0.3	30	2	3.5	5	Open Drain / Collector	4	.42	.33	.24
◆ 595—	LM393D	SOIC-8	0.5	6	0.3	30	2	3.5	5	Open Drain / Collector	2	.42	.33	.24
595—	LM393P	PDIP-8	0.5	6	0.3	30	2	3.5	5	Open Drain / Collector	2	.42	.33	.24
◆ 595—	TLC372CD	SOP-8	0.15	6	0.2	18	2	4	5	Open Drain / Collector	2	.87	.73	.58
595—	TLC372CP	DIP-8	0.15	6	0.2	18	2	4	5	Open Drain / Collector	2	.87	.73	.58
◆ 595—	TLC372ID	SOIC-8	0.15	6	0.2	18	2	4	5	Open Drain / Collector	2	.96	.80	.64
595—	TLC372IP	DIP-8	0.15	6	0.2	18	2	4	5	Open Drain / Collector	2	.96	.80	.64
◆ 595—	TLC372MD	SOIC-8	0.15	6	0.2	18	2	4	5	Open Drain / Collector	2	1.26	1.09	.92
◆ 595—	TLC372QD	SOIC-8	0.15	6	0.2	18	2	4	5	Open Drain / Collector	2	1.23	1.03	.82
◆ 595—	TLC374CD	SOP-14	0.15	6	0.2	18	2	4	5	Open Drain / Collector	4	1.05	.88	.70
595—	TLC374CN	PDIP-14	0.15	6	0.2	18	2	4	5	Open Drain / Collector	4	1.05	.88	.70
◆ 595—	TLC374ID	SOIC-14	0.15	6	0.2	18	2	4	5	Open Drain / Collector	4	1.17	.98	.78
595—	TLC374IN	PDIP-14	0.15	6	0.2	18	2	4	5	Open Drain / Collector	4	1.17	.98	.78
◆ 595—	TLC374MD	SOIC-14	0.15	6	0.2	18	2	4	5	Open Drain / Collector	4	1.33	1.25	1.16
◆ 595—	LM2901D	SOIC-14	0.5	6	0.3	30	2	3.5	7	Open Drain / Collector	4	.36	.28	.20
595—	LM2901N	PDIP-14	0.5	6	0.3	30	2	3.5	7	Open Drain / Collector	4	.36	.28	.20
◆ 595—	LM2903D	SOIC-8	0.5	6	0.3	30	2	-	7	Open Drain / Collector	2	.36	.28	.20
595—	LM2903P	PDIP-8	0.5	6	0.3	30	2	-	7	Open Drain / Collector	2	.36	.28	.20
◆ 595—	LM2903QD	SOIC-8	0.5	6	0.3	30	2	-	7	Open Drain / Collector	2	.76	.60	.43
◆ 595—	LM3302D	SOIC-14	0.2	6	0.3	28	2	3.5	20	Open Drain / Collector	4	.88	.69	.50

HIGH SPEED

For quantities of 250 and up, call for qu

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Pkg.	IQ per Channel (Max.) (mA)	Output Current (Min.) (mA)	tRESP Low-to-High (us)	Vs (Max.) (V)	Vs (Min.) (V)	VICR (Max.) (V)	VIO (25°C) (Max.) (mV)	Output Type	No. of Channels	Price Each 1	25	100
◆ 595—	LM211D	SOP-8	6	50	0.165	30	3.5	-14.7	3	Open Collector and Emitter	1	.55	.44	.3
595—	LM211P	DIP-8	6	50	0.165	30	3.5	-14.7	3	Open Collector and Emitter	1	.55	.44	.3
◆ 595—	TL3016CD	SOP-8	12.5	-	0.0078	10	5	-3.75	3	Open Drain / Collector	1	2.03	1.66	1.2
◆ 595—	TL3016ID	SOP-8	12.5	-	0.0078	10	5	-3.75	3	Open Drain / Collector	1	2.23	1.83	1.4
◆ 595—	TL3116CD	SOP-8	14.7	-	0.0099	10	5	2.5	3	Open Drain / Collector	1	2.03	1.66	1.2
◆ 595—	TL3116ID	SOP-8	14.7	-	0.0099	10	5	2.5	3	Open Drain / Collector	1	2.23	1.83	1.4
◆ 595—	LM239D	SOP-14	0.5	6	0.3	30	2	3.5	5	Open Drain / Collector	4	.48	.38	.2
595—	LM239N	DIP-14	0.5	6	0.3	30	2	3.5	5	Open Drain / Collector	4	.48	.38	.2
595—	LM306P	DIP-8	10	100	0.028	24	15	5	5	Push - Pull	1	1.05	.88	.7
◆ 595—	TL712CD	SOP-8	20	16	0.025	5.25	4.75	5	5	Push - Pull	1	1.38	1.15	.9
595—	TL712CP	DIP-8	20	16	0.025	5.25	4.75	5	5	Push - Pull	1	1.38	1.15	.9
◆ 595—	LM311D	SOP-8	7.5	50	0.115	30	-14.7	13.8	7.5	Open Collector and Emitter	1	.49	.38	.2
595—	LM311P	DIP-8	7.5	50	0.115	30	-14.7	13.8	7.5	Open Collector and Emitter	1	.52	.41	.3
◆ 595—	TL714CD	SOP-8	12	16	0.006	5.25	4.75	3.6	10	Push - Pull	1	2.70	2.40	2.0
595—	TL714CP	DIP-8	12	16	0.006	5.25	4.75	3.6	10	Push - Pull	1	2.70	2.44	2.1

LOW POWER

For quantities of 250 and up, call for qu

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Pkg.	IQ per Channel (Max.) (mA)	Output Current (Min.) (mA)	tRESP Low-to-High (us)	Vs (Max.) (V)	Vs (Min.) (V)	VICR (Max.) (V)	VIO (25°C) (Max.) (mV)	Output Type	No. of Channels	Price Each 1	25	10
595—	LP2901N	DIP-14	0.025	20	1.3	30	5	3.5	5	Open Drain / Collector	4	.99	.93	.8
◆ 595—	LP339D	SOP-14	0.025	20	1.3	30	5	3.5	5	Open Drain / Collector	4	.72	.61	.4
595—	LP339N	DIP-14	0.025	20	1.3	30	5	3.5	5	Open Drain / Collector	4	.72	.61	.4
◆ 595—	TLC339CD	SOP-14	0.02	6	1	16	3	4	5	Open Drain / Collector	4	1.17	.98	.7
595—	TLC339IN	DIP-14	0.02	6	1	16	3	4	5	Open Drain / Collector	4	1.29	1.08	.8
595—	TLC339MN	DIP-14	0.02	6	1	16	3	4	5	Open Drain / Collector	4	1.25	1.17	1.0
◆ 595—	TLC3702CD	SOP-8	0.02	4	1.1	16	3	4	5	Push - Pull	2	.90	.75	.6
595—	TLC3702CP	DIP-8	0.02	4	1.1	16	3	4	5	Push - Pull	2	.90	.75	.6
◆ 595—	TLC3702ID	SOP-8	0.02	4	1.1	16	3	4	5	Push - Pull	2	.99	.83	.6
595—	TLC3702IP	DIP-8	0.02	4	1.1	16	3	4	5	Push - Pull	2	.99	.83	.6
◆ 595—	TLC3704CD	SOP-14	0.02	4	1.1	16	3	4	5	Push - Pull	4	1.26	1.05	.8
595—	TLC3704CN	DIP-14	0.02	4	1.1	16	3	4	5	Push - Pull	4	1.26	1.05	.8
◆ 595—	TLC3704CNS	SOP-14	0.02	4	1.1	16	3	4	5	Push - Pull	4	1.26	1.05	.8
◆ 595—	TLC3704ID	SOP-14	0.02	4	1.1	16	3	4	5	Push - Pull	4	1.38	1.15	.9
595—	TLC3704IN	DIP-14	0.02	4	1.1	16	3	4	5	Push - Pull	4	1.38	1.15	.9
595—	TLC3704IPW	TSSOP-14	0.02	4	1.1	16	3	4	5	Push - Pull	4	1.38	1.15	.9
◆ 595—	TLC3704MD	SOP-14	0.02	4	1.1	16	3	4	5	Push - Pull	4	1.38	1.29	1.2
◆ 595—	TLC393CD	SOP-8	0.02	6	1.1	16	3	4	5	Open Drain / Collector	2	.99	.83	.6
595—	TLC393CP	DIP-8	0.02	6	1.1	16	3	4	5	Open Drain / Collector	2	.99	.83	.6
595—	TLC393ID	SOIC-8	0.02	6	1.1	16	3	4	5	Open Drain / Collector	2	1.08	.90	.7
◆ 595—	LP311D	SOP-8	0.3	25	1.2	30	3.5	13.5	7.5	Open Collector and Emitter	1	.93	.78	.6
595—	LP311P	DIP-8	0.3	25	1.2	30	3.5	13.5	7.5	Open Collector and Emitter	1	.93	.78	.6

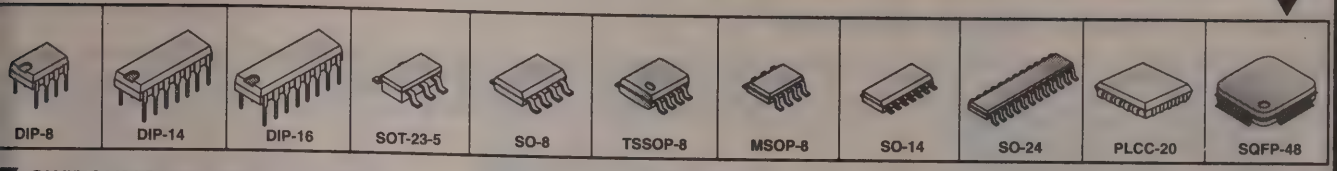
LOW VOLTAGE

For quantities of 250 and up, call for q

◆ 595—	TLC352CD	SOP-8	0.15	6	0.2	18	1.4	4	5	Open Drain / Collector	2	1.05	.88	
595—	TLC352CP	DIP-8	0.15	6	0.2	18	1.4	4	5	Open Drain / Collector	2	1.05	.88	
◆ 595—	TLC352ID	SOP-8	0.15	6	0.2	18	1.4	4	5	Open Drain / Collector	2	1.17	.98	
595—	TLC352IP	DIP-8	0.15	6	0.2	18	1.4	4	5	Open Drain / Collector	2	1.17	.98	
◆ 595—	TLC354CD	SOP-14	0.15	6	0.2	18	1.4	4	5	Open Drain / Collector	4	1.23	1.03	
595—	TLC354CN	DIP-14	0.15	6	0.2	18	1.4	4	5	Open Drain / Collector	4	1.23	1.03	
◆ 595—	TLC354ID	SOP-14	0.15	6	0.2	18	1.4	4	5	Open Drain / Collector	4	1.35	1.13	
◆ 595—	TLV2352ID	SOP-8	0.125	6	0.2	8	2	2	5	Open Drain / Collector	2	1.85	1.56	1.
595—	TLV2352IP	DIP-8	0.125	6	0.2	8	2	2	5	Open Drain / Collector	2	1.85	1.56	1.
595—	TLV2354ID	SOIC-14	0.125	6	0.2	8	2	2	5	Open Drain / Collector	2	2.30	2.03	1.

SILICONIX Power Management ICs

VISHAY



SWITCHMODE CONTROLLERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Input Voltage (Min)(V)	Input Voltage (Max)(V)	Supply Voltage (Min)(V)	Supply Voltage (Max)(V)	Output Voltage (Min)(V)	Output Voltage (Typ)(V)	Output Voltage (Max)(V)	Switching Frequency (Min)(MHz)	Price Each 1	100	500	1000
urface Mount														
1-SI9111DY	SI9111DY	SO-14	10	120	9.5	13.5	3.60	4.00	4.40	1	1.88	1.71	1.45	1.28
1-SI9114ADY	SI9114ADY	SO-14	15	200	9.5	16.5	3.94	4.00	4.06	0.45	3.34	3.04	2.58	2.28
1-SI9113DY	SI9113DY	SO-14	23.5	200	10	14	1.275	1.30	1.325	0.5	2.41	2.19	1.86	1.64
hru-Hole														
1-SI9120DJ	SI9120DJ	DIP-16	15	450	9.5	13.5	3.88	4.00	4.12	1	1.95	1.77	1.50	1.33

SWITCHMODE REGULATORS

For quantities of 2000 and up, call for quote.

urface Mount														
1-SI9100DN02	SI9100DN02	PLCC-20	10	70	9.5	13.5	3.92	4.00	4.08	1	3.22	2.93	2.49	2.20
hru-Hole														
1-SI9100DJ02	SI9100DJ02	DIP-14	10	70	9.5	13.5	3.92	4.00	4.08	1	2.84	2.58	2.19	1.94

BUS INTERFACE-DRIVER AND RECEIVER

Si9200EY is designed to interface between the Intel 82526 CAN controller and the physical bus to provide drive capability to the bus and differential receive capability to the controller. It is designed to absorb typical electrical sients on the bus which may occur in an automotive or industrial application, and protect itself against any abnormal bus conditions. The transmitter will be disabled during these conditions and will be re-enabled when the abnormal dition is cleared. The Si9200EY is built using the Siliconix BiC/DMOS process. This process supports CMOS, DMOS, and isolated bipolar transistors and uses an epitaxial layer to prevent latchup. The bus line pins are diode ected and can be driven beyond the VDD to ground range. The Si9200EY is offered in the space efficient 8-pin high-density surface-mount plastic package and is specified over the automotive temperature range (–40 to 125°C).

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Supply Voltage Range (Max)(V)	Bus Load Resistance (Max)(Ω)	Continuous Output Current (Max)(mA)	Features	Price Each 1	100	500	1000
urface Mount										
1-SI9200EY	SI9200EY	SO-8	- 0.3 to 12	60	+/-100	Survives ground shorts & transients, single power supply, Intel 82526 CAN compatible	2.41	2.19	1.86	1.64

POWER MOSFET DRIVERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Supply Voltage Range (Max)(V)	Output Drive Capacity	Input Drive Logic	Features	Protection	Price Each 1	100	500	1000
urface Mount											
1-SI9910DY	SI9910DY	SO-8	- 0.3 to + 18	1 N-Ch	12V Logic	dv/dt, di/dt control	short circuit, over current, under voltage	1.61	1.46	1.24	1.10
1-SI9912DY	SI9912DY	SO-8	4.5 to 30	2 N-Ch	5V TTL/CMOS	250kHz to 1MHz switching, freq shutdown	undervoltage shoot through	1.88	1.71	1.45	1.28
1-SI9913DY	SI9913DY	SO-8	4.5 to 30	2 N-Ch	5V TTL/CMOS	250kHz to 1MHz switch, sync sw enable	undervoltage shoot through	1.88	1.71	1.45	1.28
hru-Hole											
1-SI9910DJ	SI9910DJ	DIP-8	- 0.3 to + 18	1 N-Ch	12V Logic	dv/dt, di/dt control	short circuit, over current & under voltage	1.78	1.62	1.38	1.22

MOTOR CONTROLLERS

For quantities of 2000 and up, call for quote.

rface Mount											
1-SI9986CY	SI9986CY	SO-8	3.8 to 13.2	0.5A	TTL/CMOS	PWM, saturated	Shoot through	2.99	2.72	2.31	2.04
1-SI9986DY	SI9986DY	SO-8	3.8 to 13.2	0.5A	TTL/CMOS	PWM, saturated	Shoot through	3.11	2.83	2.41	2.12
1-SI9988DQ	SI9988DQ-T1	TSSOP-8	3.8 to 13.2	0.6A	TTL/CMOS	PWM, saturated	Shoot through	3.58	3.25	2.76	2.44
1-SI9987CY	SI9987CY	SO-8	3.8 to 13.2	1A	TTL/CMOS	PWM, saturated	Shoot through	3.34	3.04	2.58	2.28
1-SI9987DY	SI9987DY	SO-8	3.8 to 13.2	1A	TTL/CMOS	PWM, saturated	Shoot through	4.18	3.80	3.23	2.85
1-SI9961ACY	SI9961ACY	SO-24	12	1A	Analog	Linear current mode	under voltage	7.02	6.38	5.42	4.79
1-SI9976DY	SI9976DY	SO-14	20 to 40	2 N-Ch	TTL/CMOS	High side bootstrap, DC operation	Short circuit, under voltage	2.13	1.94	1.65	1.46
1-SI9978DW	SI9978DW	SO-24	20 to 40	4 N-Ch	TTL/CMOS	PWM, brake, DC operation	Over current, under voltage	4.83	4.39	3.73	3.29
1-SI9979CS	SI9979CS	SQFP-48	20 to 40	6 N-Ch	TTL/CMOS	PWM hall sensor, computation, DC operation	Over current, under voltage, comm. error	9.26	8.42	7.16	6.32
1-SI9979DS	SI9979DS	SQFP-48	20 to 40	6 N-Ch	TTL/CMOS	PWM hall sensor, computation, DC operation	Over current, under voltage, comm. error	8.68	7.89	6.71	5.92

LOW DROP-OUT VOLTAGE REGULATOR

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Output Voltage (V)	Output Current (A)	Input Voltage (Min)(V)	Input Voltage (Max)(V)	Drop-out Voltage (Max)(mV)	Line Regulation (Max)(%/V)	Shut-Down Supply Current (Max)(uA)	Price Each 1	100	500	1000
justable Surface Mount													
1-SI9181DQ-AD	SI9181DQ-AD-T1	TSSOP-8	1.5 to 5	0.35	2.0	6.0	575	0.18	1	.79	.72	.61	.54
1-SI9182DH-AD	SI9182DH-AD-T1	MSOP-8	1.5 to 5	0.25	2.0	6.0	450	0.18	1	.74	.67	.57	.50
1-SI9183DT-AD	SI9183DT-AD-T1	SOT-23-3	1.5 to 5	0.15	2.0	6.0	380.0	0.18	1	.53	.48	.41	.36
ed Surface Mount													
1-SI9181DQ-30	SI9181DQ-30-T1	TSSOP-8	3.0	0.35	2.0	6.0	575	0.18	1	.79	.72	.61	.54
1-SI9181DQ-33	SI9181DQ-33-T1	TSSOP-8	3.3	0.35	2.0	6.0	575	0.18	1	.79	.72	.61	.54
1-SI9181DQ-50	SI9181DQ-50-T1	TSSOP-8	5.0	0.35	2.0	6.0	575	0.18	1	.79	.72	.61	.54
1-SI9182DH-30	SI9182DH-30-T1	MSOP-8	3.0	0.25	2.0	6.0	450	0.18	1	.74	.67	.57	.50
1-SI9182DH-33	SI9182DH-33-T1	MSOP-8	3.3	0.25	2.0	6.0	450	0.18	1	.74	.67	.57	.50
1-SI9182DH-50	SI9182DH-50-T1	MSOP-8	5.0	0.25	2.0	6.0	450	0.18	1	.74	.67	.57	.50
1-SI9183DT-30	SI9183DT-30-T1	SOT-23-5	3.0	0.15	2.0	6.0	380	0.18	1	.53	.48	.41	.36
1-SI9183DT-33	SI9183DT-33-T1	SOT-23-5	3.3	0.15	2.0	6.0	380	0.18	1	.53	.48	.41	.36
1-SI9183DT-50	SI9183DT-50-T1	SOT-23-5	5.0	0.15	2.0	6.0	380	0.18	1	.53	.48	.41	.36

ZETEX Voltage Reg's/Ref's and Current Ref's

ZETEX SEMICONDUCTORS

ZETEX PROGRAMMABLE VOLTAGE REFERENCES

Operating Temp. Range -40 to 85°C

MOUSER STOCK NO.	Zetex Part No.	Package	Reference Voltage (V)	Min. Output Voltage (V)	Max. Output Voltage (V)	Min. Cathode Current (μA)	Max. Cathode Current (mA)	Price Each 1	25	100	250	Reel Qty.	Price E
522-ZR431C01L	ZR431C01L	TO-92	2.5	2.5	20	50	100	.85	.72	.60	.50	2,000	.32
◆ 522-ZR431F005TA	ZR431F005	SOT23	2.5	2.5	20	50	100	.99	.84	.72	.60	3,000	.33
◆ 522-ZR431F01TA	ZR431F01	SOT23	2.5	2.5	20	50	100	.94	.80	.68	.54	3,000	.35
522-ZR431LC02L	ZR431LC02	TO-92	1.24	1.24	10	100	25	.94	.80	.68	.54	2,000	.30
◆ 522-ZR431LF01TA	ZR431LF01	SOT23	1.24	1.24	10	100	25	.94	.80	.67	.50	3,000	.30

ZETEX ZMR SERIES - MINIATURE VOLTAGE REGULATORS

MOUSER STOCK NO.	Zetex Part No.	Package	Max. Input Voltage (V)	Output Voltage (V)	Max. Output Current (mA)	Max Quiescent Current (μA)	Typical Drop-Out Voltage (V)	Max Line Regulation (mV)	Max. Load Regulation (mV)	Price Each 1	25	100	250	Reel Qty.	Price E
522-ZMR250CL	ZMR250CL	TO-92	20	2.5	50	40	1.7	15	30	.91	.82	.70	.59	2,000	.39
◆ 522-ZMR250FTA	ZMR250F	SOT-23	20	2.5	50	40	1.7	15	30	1.25	.89	.67	.56	3,000	.33
522-ZMR500CL	ZMR500CL	TO-92	20	5	50	70	1.7	15	40	1.25	.89	.67	.56	2,000	.37
◆ 522-ZMR500FTA	ZMR500F	SOT-23	20	5	50	70	1.7	15	40	1.25	.89	.67	.56	3,000	.32

ZETEX ZSR SERIES - FIXED VOLTAGE REGULATORS

MOUSER STOCK NO.	Zetex Part No.	Package	Output Voltage (V)	Max. Output Current (mA)	Max Quiescent Current (μA)	Typical Drop-Out Voltage (V)	Max Line Regulation (mV)	Max. Load Regulation (mV)	Price Each 1	25	100	250	Reel Qty.	Price E
522-ZSR285CL	ZSR285CL	TO-92	2.85	200	600	1.7	40	25	.86	.77	.66	.55	2,000	.35
522-ZSR300CL	ZSR300CL	TO-92	3	200	600	1.7	40	25	.86	.77	.66	.55	2,000	.35
◆ 522-ZSR300GTA	ZSR300G	SOT223	3	200	600	1.7	40	25	1.06	.95	.82	.68	1,000	.46
522-ZSR330CL	ZSR330CL	TO-92	3.3	200	600	1.7	30	25	.86	.77	.66	.55	2,000	.35
◆ 522-ZSR330GTA	ZSR330G	SOT223	3.3	200	600	1.7	30	25	1.06	.95	.82	.68	1,000	.46
522-ZSR400CL	ZSR400CL	TO-92	4	200	600	1.7	40	25	.86	.77	.66	.55	2,000	.35
◆ 522-ZSR400GTA	ZSR400G	SOT223	4	200	600	1.7	40	25	1.06	.95	.82	.68	1,000	.46
522-ZSR485CL	ZSR485CL	TO-92	4.85	200	600	1.7	40	25	.86	.77	.66	.55	2,000	.35
◆ 522-ZSR485GTA	ZSR485G	SOT223	4.85	200	600	1.7	40	25	1.06	.95	.82	.68	1,000	.46
522-ZSR500CL	ZSR500CL	TO-92	5	200	600	1.7	40	25	.86	.77	.66	.55	2,000	.35
◆ 522-ZSR500GTA	ZSR500G	SOT223	5	200	600	1.7	40	25	1.06	.95	.82	.68	1,000	.46
522-ZSR520CL	ZSR520CL	TO-92	5.2	200	600	1.7	40	25	.86	.77	.66	.55	2,000	.35
◆ 522-ZSR520GTA	ZSR520G	SOT223	5.2	200	600	1.7	40	25	1.06	.95	.82	.68	1,000	.46
522-ZSR600CL	ZSR600CL	TO-92	6	200	600	1.7	40	30	.86	.77	.66	.55	2,000	.35
◆ 522-ZSR600GTA	ZSR600G	SOT223	6	200	600	1.7	40	30	1.06	.95	.82	.68	1,000	.46
522-ZSR800CL	ZSR800CL	TO-92	6	200	600	1.7	40	30	.86	.77	.66	.55	2,000	.35
◆ 522-ZSR800GTA	ZSR800G	SOT223	8	200	600	1.7	40	30	1.06	.95	.82	.68	1,000	.46
522-ZSR900CL	ZSR900CL	TO-92	9	200	600	1.7	40	30	.86	.77	.66	.55	2,000	.35
◆ 522-ZSR900GTA	ZSR900G	SOT223	9	200	600	1.7	40	30	1.06	.95	.82	.68	1,000	.46
522-ZSR1000CL	ZSR1000CL	TO-92	10	200	600	1.7	40	30	.86	.77	.66	.55	2,000	.35
◆ 522-ZSR1000GTA	ZSR1000G	SOT223	10	200	600	1.7	40	30	1.06	.95	.82	.68	1,000	.46
522-ZSR1200CL	ZSR1200CL	TO-92	12	200	650	1.7	40	30	.86	.77	.66	.55	2,000	.35
◆ 522-ZSR1200GTA	ZSR1200G	SOT223	12	200	650	1.7	40	30	1.06	.95	.82	.68	1,000	.46

ZETEX FIXED VOLTAGE REFERENCES

MOUSER STOCK NO.	Zetex Part No.	Package	Reverse Breakdown Voltage (V)	Min. Current (μA)	Max. Current (mA)	Max. Temperature Coefficient (ppm/°C)	Max. Slope Resistance (Ω)	Price Each 1	25	100	250	Reel Qty.	Price
◆ 522-ZR285F01TA	ZR285F01	SOT23	2.5	20	20	90	1	1.04	.90	.82	.75	3,000	.60
◆ 522-ZR40401F25TA	ZR40401F25	SOT23	2.5	50	20	90	2	.85	.72	.65	.57	3,000	.39
◆ 522-ZR40401F41TA	ZR40401F41	SOT24	4.096	50	20	90	2	.85	.72	.65	.57	3,000	.39
◆ 522-ZR40401F50TA	ZR40401F50	SOT25	5	50	20	90	1.5	.85	.72	.65	.57	3,000	.39
522-ZR40401R25	ZR40401R25	E-Line	2.5	50	20	90	2	.85	.72	.65	.57	2,000	.43
522-ZR40401R41	ZR40401R41	E-Line	4.096	50	20	90	2	.85	.72	.65	.57	2,000	.43
522-ZR40401R50	ZR40401R50	E-Line	5	50	20	90	1.5	.85	.72	.65	.57	2,000	.43
522-ZR404005F25TA	ZR404005F25	E-Line	2.5	50	20	90	2	1.04	.90	.82	.75	3,000	.59
◆ 522-ZRB500F01TA	ZRB500F01	SOT23	5	50	15	50	1.5	1.20	1.01	.85	.70	3,000	.47
522-ZRC250A01	ZRC250A01	E-Line	2.5	20	5	90	1	1.20	1.01	.85	.70	2,000	.53
◆ 522-ZRC250F01TA	ZRC250F01	SOT23	2.5	20	5	90	1	1.20	1.01	.85	.70	3,000	.47
522-ZRC330A01	ZRC330A01	E-Line	3.3	20	5	50	2	1.20	1.01	.85	.70	2,000	.53
◆ 522-ZRC330F01TA	ZRC330F01	SOT23	3.3	20	5	50	2	1.20	1.01	.85	.70	3,000	.47
522-ZRC400A01	ZRC400A01	E-Line	4.096	23	5	90	2	1.20	1.01	.85	.70	2,000	.53
◆ 522-ZRC400F01TA	ZRC400F01	SOT23	4.096	23	5	90	2	1.20	1.01	.85	.70	3,000	.47
522-ZRC500A01	ZRC500A01	E-Line	5	25	5	90	2	1.20	1.01	.85	.70	2,000	.53
◆ 522-ZRC500F01TA	ZRC500F01	SOT23	5	25	5	90	2	1.20	1.01	.85	.70	3,000	.47

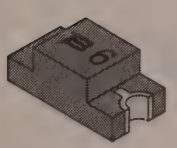
ZETEX VERY LOW QUIESCENT CURRENT REFERENCES

MOUSER STOCK NO.	Zetex Part No.	Package	Reverse Breakdown Voltage (V)	Min. Current (μA)	Max. Current (mA)	Max. Temperature Coefficient (ppm/°C)	Max. Slope Resistance (Ω)	Price Each 1	25	100	250	Reel Qty.	Price
◆ 522-ZXRE1004CFTA	ZXRE1004CF	SOT23	1.22	4	20	75	0.5	2.39	2.09	1.65	1.49	3,000	1.0
◆ 522-ZXRE1004DFTA	ZXRE1004DF	SOT23	1.22	4	20	75	0.5	2.20	1.79	1.50	1.25	3,000	.8
522-ZXRE1004DR	ZXRE1004DR	E-Line	1.22	4	20	75	0.5	2.20	1.79	1.50	1.25	2,000	.8
◆ 522-ZXRE125CFTA	ZXRE125CF	SOT23	1.22	30 (Max)	5	90	2	1.45	1.16	.95	.80	3,000	.5
◆ 522-ZXRE125DFTA	ZXRE125DF	SOT23	1.22	30 (Max)	5	90	2	1.09	.95	.82	.70	3,000	.4
522-ZXRE125DR	ZXRE125DR	E-Line	1.22	30 (Max)	5	90	2	1.09	.95	.82	.70	2,000	.4
◆ 522-ZXRE4041DFTA	ZXRE4041DF	SOT23	1.22	30 (Max)	12	75	0.6	1.09	.95	.82	.70	3,000	.4
◆ 522-ZXRE4041CFTA	ZXRE4041CF	SOT23	1.22	30 (Max)	12	75	0.6	1.09	.95	.82	.70	3,000	.4
522-ZXRE4041DR	ZXRE4041DR	E-Line	1.22	30 (Max)	12	75	0.6	1.09	.95	.82	.70	2,000	.4

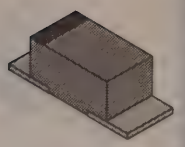
BOURNS SMD Diodes

MD SWITCHING DIODES

ms offers small-signal high-speed Switching Diodes for switching digital signal applications, in compact chip package size format, which offer PCB real te savings and are considerably smaller than competitive parts. The diodes are lead-free with Cu/Ni/Au plated terminations and are compatible with -free manufacturing processes, conforming to many industry and government regulations on lead-free components. Bourns® Chip Diodes conform to EC standards, easy to handle on standard pick and place equipment and their flat configuration makes roll away much more difficult.



CD0805 Series Illustrated


CD1607 Series Illustrated

tures:
adless
ad-free
gh speed

Applications:
- Cellular phones
- PDAs
- Desktop PCs and notebooks
- Digital cameras
- MP3 players

LEAD-FREE

DIMENSIONS (mm)

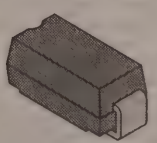
Package Size	Length ±0.2	Width ±0.2	Height (typ.)
0603	1.6	0.8	0.25
0805	2.0	1.2	0.40
1005	2.4	1.1	0.35
1206	3.0	1.4	0.50
1607	3.9	1.6	0.30

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Package Size	Repetitive Peak Reverse Vt.	Reverse Voltage (V_R)	Average Forward Current (mA)	$R_{\theta JL}$	Junction Temp. T_J (°C)	Price Each 1	100	500	1000	Piece Price By Reel Qty	Piece
D-Small Signal Switching Diode													
-CD0603-S0180	CD0603-S0180	0603	90	80	100	150	-40 to +125	.08	.07	.06	.04	4000	.039
-CD0603-S01575	CD0603-S01575	0603	100	75	150	150	-40 to +125	.08	.07	.06	.04	4000	.039
-CD0603-S0180R	CD0603-S0180R	0603	90	80	100	150	-40 to +125	.10	.08	.06	.05	4000	.045
-CD0805-S0180	CD0805-S0180	0805	90	80	100	300	-55 to +125	.06	.05	.04	.03	3000	.028
-CD0805-S01575	CD0805-S01575	0805	100	75	150	350	-55 to +125	.06	.05	.04	.03	3000	.028
-CD0805-S0180R	CD0805-S0180R	0805	90	80	100	300	-55 to +125	.07	.06	.05	.04	3000	.034
-CD1005-S0180	CD1005-S0180	1005	90	80	100	300	-40 to +125	.06	.05	.04	.03	4000	.028
-CD1005-S01575	CD1005-S01575	1005	100	75	150	300	-40 to +125	.06	.05	.04	.03	4000	.028
-CD1005-S0180R	CD1005-S0180R	1005	90	80	100	300	-40 to +125	.07	.06	.05	.04	4000	.034
-CD1206-S0180	CD1206-S0180	1206	90	80	100	300	-55 to +125	.06	.05	.04	.03	3000	.028
-CD1206-S01575	CD1206-S01575	1206	100	75	150	350	-55 to +125	.06	.05	.04	.03	3000	.028
-CD1206-S0180R	CD1206-S0180R	1206	90	80	100	300	-55 to +125	.07	.06	.04	.03	3000	.029
D-Small Signal Schottky Barrier Diode													
-CD0603-B00340	CD0603-B00340	0603	45	40	30	150	-40 to +125	.12	.10	.08	.06	4000	.056
-CD0603-B0130L	CD0603-B0130L	0603	35	30	100	150	-40 to +125	.15	.13	.10	.08	4000	.071
-CD0603-B0145	CD0603-B0145	0603	50	45	100	150	-40 to +125	.15	.13	.10	.08	4000	.071
-CD0603-B0230	CD0603-B0230	0603	35	30	200	150	-40 to +125	.17	.14	.11	.08	4000	.077
-CD0603-B0245	CD0603-B0245	0603	50	45	200	150	-40 to +125	.17	.14	.11	.08	4000	.077
-CD0805-B00340	CD0805-B00340	0805	45	40	30	200	-40 to +125	.11	.09	.07	.05	3000	.049
-CD0805-B0130	CD0805-B0130	0805	30	30	100	300	-40 to +125	.10	.08	.06	.05	3000	.045
-CD0805-B0130L	CD0805-B0130L	0805	35	30	100	300	-40 to +125	.14	.12	.09	.07	3000	.064
-CD0805-B0145	CD0805-B0145	0805	50	45	100	300	-40 to +125	.14	.12	.09	.07	3000	.064
-CD0805-B0230	CD0805-B0230	0805	35	30	200	300	-40 to +125	.15	.13	.10	.08	3000	.071
-CD0805-B0245	CD0805-B0245	0805	50	45	200	250	-40 to +125	.15	.13	.10	.08	3000	.071
-CD1005-B00340	CD1005-B00340	1005	45	40	30	200	-40 to +125	.11	.09	.07	.05	4000	.049
-CD1005-B0130L	CD1005-B0130L	1005	35	30	100	250	-40 to +125	.14	.12	.09	.07	4000	.064
-CD1005-B0145	CD1005-B0145	1005	50	45	100	250	-40 to +125	.14	.12	.09	.07	4000	.064
-CD1005-B0230	CD1005-B0230	1005	35	30	200	250	-40 to +125	.15	.13	.10	.08	4000	.071
-CD1005-B0245	CD1005-B0245	1005	50	45	200	250	-40 to +125	.15	.13	.10	.08	4000	.071
-CD1607-B120	CD1607-B120	1607	20	20	1000	---	-55 to +125	.24	.20	.16	.12	2500	.112
-CD1607-B120L	CD1607-B120L	1607	20	20	1000	---	-55 to +125	.27	.23	.18	.14	2500	.126
-CD1607-B140	CD1607-B140	1607	40	40	1000	---	-55 to +125	.24	.20	.16	.12	2500	.112
-CD1607-B140L	CD1607-B140L	1607	40	40	1000	---	-55 to +125	.27	.23	.18	.14	2500	.126

ID SCHOTTKY RECTIFIER DIODES

s offers Schottky Rectifier Diodes for rectification applications, in compact chip package DO-214AC (SMA) size format, which offer PCB real estate gs and are considerably smaller than competitive parts. The Schottky Rectifier Diodes offer a forward current of 1 A to 3 A with a choice of repetitive reverse voltage of 20 V up to 100 V.



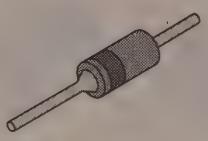
ures:
A package
face mount
y low forward voltage drop

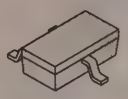
LEAD-FREE

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Package Size	Maximum RMS Voltage	Reverse Voltage (V_R)	Forward Current (A)	$R_{\theta JL}$	Junction Temp. T_J (°C)	Price Each 1	100	500	1000	Piece Price By Reel Qty	Piece
CD214A-B120	CD214A-B120	DO-214AC	14	20	1.0	20	-55 to +125	.14	.11	.09	.07	5000	.063
CD214A-B130	CD214A-B130	DO-214AC	21	30	1.0	20	-55 to +125	.14	.11	.09	.07	5000	.063
CD214A-B130L	CD214A-B130L	DO-214AC	21	30	1.0	35	-55 to +125	.29	.24	.19	.14	5000	.133
CD214A-B140	CD214A-B140	DO-214AC	28	40	1.0	20	-55 to +125	.14	.11	.09	.07	5000	.063
CD214A-B150	CD214A-B150	DO-214AC	38	50	1.0	20	-55 to +125	.14	.11	.09	.07	5000	.063
CD214A-B160	CD214A-B160	DO-214AC	42	60	1.0	20	-55 to +125	.14	.11	.09	.07	5000	.063
CD214A-B170	CD214A-B170	DO-214AC	49	70	1.0	25	-55 to +125	.24	.20	.16	.12	5000	.112
CD214A-B180	CD214A-B180	DO-214AC	56	80	1.0	25	-55 to +125	.24	.20	.16	.12	5000	.112
CD214A-B1100	CD214A-B1100	DO-214AC	70	100	1.0	25	-55 to +125	.24	.20	.16	.12	5000	.112
CD214A-B220	CD214A-B220	DO-214AC	14	20	2.0	15	-55 to +125	.23	.19	.15	.11	5000	.105
CD214A-B230	CD214A-B230	DO-214AC	21	30	2.0	15	-55 to +125	.23	.19	.15	.11	5000	.105
CD214A-B240	CD214A-B240	DO-214AC	28	40	2.0	15	-55 to +125	.23	.19	.15	.11	5000	.105
CD214A-B240L	CD214A-B240L	DO-214AC	28	40	2.0	18	-55 to +125	.29	.24	.19	.14	5000	.133
CD214A-B250	CD214A-B250	DO-214AC	35	50	2.0	15	-55 to +125	.24	.20	.16	.12	5000	.112
CD214A-B260	CD214A-B260	DO-214AC	42	60	2.0	15	-55 to +125	.24	.20	.16	.12	5000	.112
CD214A-B320	CD214A-B320	DO-214AC	14	20	3.0	10	-55 to +125	.32	.27	.22	.16	5000	.151
CD214A-B330	CD214A-B330	DO-214AC	21	30	3.0	10	-55 to +125	.32	.27	.22	.16	5000	.151
CD214A-B340	CD214A-B340	DO-214AC	28	40	3.0	10	-55 to +125	.32	.27	.22	.16	5000	.151
CD214A-B340L	CD214A-B340L	DO-214AC	28	40	3.0	20	-55 to +125	.35	.29	.23	.18	5000	.164
CD214A-B350	CD214A-B350	DO-214AC	35	50	3.0	10	-55 to +125	.35	.29	.23	.18	5000	.164
CD214A-B360	CD214A-B360	DO-214AC	42	60	3.0	10	-55 to +125	.35	.29	.23	.18	5000	.164

CENTRAL Diodes


DO-35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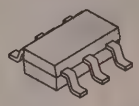

PICOMini SOT-563

SMB

♦Surface Mount Devi

DIODES

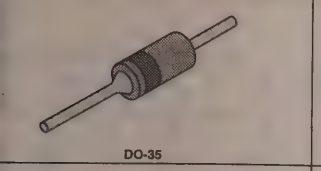
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	Description	Price Each 1	100	500	1000
Switching Diodes							
610-1N3600	1N3600	DO-35	Signal Diode	.12	.05	.05	.05
610-1N4152	1N4152	DO-35	Sili Sig Diode	.14	.12	.11	.10
610-1N914	1N914	DO-35	Sili Sig Diode	.06	.05	.04	.03
♦610-CMOD2004	CMOD2004	SOD-523	High Voltage	.25	.20	.17	.13
♦610-CMPD2004	CMPD2004	SOT-23	High Voltage Diode	.55	.45	.43	.39
♦610-CMPD4448	CMPD4448	SOT-23	SW Diode	.25	.19	.14	.09
♦610-CMPD914	CMPD914	SOT-23	Single Switch	.18	.14	.12	.09
♦610-CMKD7000	CMKD7000	SOT-363	100V, 200mA	.33	.27	.22	.17
♦610-CMSD7000	CMSD7000	SOT-323	100V, 200mA	.27	.20	.17	.14
♦610-CMPD6001A	CMPD6001A	SOT-23	100V, 250mA	.38	.28	.24	.19
♦610-CMPD6001C	CMPD6001C	SOT-23	100V, 250mA	.38	.28	.24	.19
♦610-CMLD6001	CMLD6001	SOT-563	100V, 250mA	.42	.35	.29	.26
♦610-CMLD6001DO	CMLD6001DO	SOT-563	100V, 250mA	.48	.40	.33	.30
♦610-CMPD6001S	CMPD6001S	SOT-23	100V, 250mA	.38	.28	.24	.19
♦610-CMOD4448	CMOD4448	SOD-523	100V, 250mA	.17	.14	.11	.09
♦610-CMOD6001	CMOD6001	SOD-523	100V, 250mA	.22	.18	.14	.12
♦610-CMPD6001	CMPD6001	SOT-23	100V, 250mA	.38	.28	.24	.19
♦610-CMXD4448	CMXD4448	SOT-26	100V, 250mA	.33	.24	.20	.17
♦610-CMKD6001	CMKD6001	SOT-363	100V, 250mA	.33	.27	.22	.17
♦610-CMXD6001	CMXD6001	SOT-26	100V, 250mA	.40	.29	.25	.20
♦610-CLL914	CLL914-TR	SOD-80	100V 1A	.20	.15	.12	.08
♦610-CMPD2836E	CMPD2836E	SOT-23	120V, 200mA	.13	.11	.09	.07
♦610-CMPD2838E	CMPD2838E	SOT-23	120V, 200mA	.13	.11	.09	.07
♦610-CMPD7000E	CMPD7000E	SOT-23	120V, 200mA	.13	.11	.09	.07
♦610-CMLD4448DO	CMLD4448DO	SOT-563	120V, 250mA	.39	.32	.25	.21
♦610-CMLD4448	CMLD4448	SOT-563	120V, 250mA	.39	.32	.25	.21
♦610-CMPD914E	CMPD914E	SOT-23	120V, 250mA	.10	.08	.07	.06
♦610-CMHD3595	CMHD3595	SOD-123	150V, 225mA	.44	.32	.27	.22
♦610-CMPD3003A	CMPD3003A	SOT-23	180V, 200mA	.30	.25	.21	.19
♦610-CMPD3003C	CMPD3003C	SOT-23	180V, 200mA	.30	.25	.21	.19
♦610-CMPD3003S	CMPD3003S	SOT-23	180V, 200mA	.30	.25	.21	.19
♦610-CMPD3003	CMPD3003	SOT-23	180V, 200mA	.35	.25	.21	.18
♦610-CMSD2004S	CMSD2004S	SOT-323	300V, 200mA	.53	.38	.32	.27
♦610-CMXD2004	CMXD2004	SOT-26	300V, 200mA	.44	.32	.27	.22
♦610-CMXD2004TO	CMXD2004TO	SOT-26	300V, 200mA	.48	.40	.33	.30
♦610-CMLD2004A	CMLD2004A	SOT-563	300V, 225mA	.52	.43	.35	.28
♦610-CMLD2004C	CMLD2004C	SOT-563	300V, 225mA	.52	.43	.35	.28
♦610-CMLD2004DO	CMLD2004DO	SOT-563	300V, 225mA	.52	.43	.35	.28
♦610-CMLD2004S	CMLD2004S	SOT-563	300V, 225mA	.52	.43	.35	.28
♦610-CMPD2004S	CMPD2004S	SOT-23	300V, 225mA	.63	.63	.25	.23
♦610-CMOD2004	CMOD2004	SOT-563	300V, 225mA	.25	.20	.17	.13
♦610-CMLD2004	CMLD2004	SOT-563	300V, 225mA	.46	.38	.31	.24
♦610-CMPD2005S	CMPD2005S	SOT-23	350V, 225mA	.41	.34	.27	.22
♦610-CMKD2836	CMKD2836	SOT-363	75V, 200mA	.33	.27	.22	.17
♦610-CMSD2836	CMSD2836	SOT-323	75V, 200mA	.27	.20	.17	.14
♦610-CMKD2838	CMKD2838	SOT-363	75V, 200mA	.33	.27	.22	.17
♦610-CMSD2838	CMSD2838	SOT-323	75V, 200mA	.27	.20	.17	.14
♦610-CMEDA-6I	CMEDA-6I	SOT-28	Array 60V, 250mA	1.14	.93	.76	.60
Current Limiting Diode							
610-1N5283	1N5283	DO-35	.22mA Curr Reg	4.61	4.32	4.09	4.03
610-1N5284	1N5284	DO-35	.24mA Curr Reg	4.29	3.86	3.48	3.13
610-1N5285	1N5285	DO-35	.27mA Curr Reg	2.35	2.16	1.97	1.60
610-1N5286	1N5286	DO-35	.30mA Curr Reg	2.35	2.16	1.97	1.60
610-1N5287	1N5287	DO-35	.33mA Curr Reg	2.35	2.16	1.97	1.60
610-1N5288	1N5288	DO-35	.39mA Curr Reg	2.35	2.16	1.97	1.60
610-1N5289	1N5289	DO-35	.43mA Curr Reg	2.35	2.16	1.97	1.60
610-1N5290	1N5290	DO-35	.47mA Curr Reg	4.29	3.86	3.48	3.13
610-1N5291	1N5291	DO-35	.56mA Curr Reg	1.78	1.63	1.49	1.21
610-1N5292	1N5292	DO-35	.62mA Curr Reg	1.78	1.63	1.49	1.21
610-1N5293	1N5293	DO-35	.68mA Curr Reg	1.78	1.63	1.49	1.21
610-1N5294	1N5294	DO-35	.75mA Curr Reg	1.78	1.63	1.49	1.21
610-1N5295	1N5295	DO-35	.82mA Curr Reg	1.78	1.63	1.49	1.21
610-1N5296	1N5296	DO-35	.91mA Curr Reg	1.78	1.63	1.49	1.21
610-1N5297	1N5297	DO-35	1.0mA Curr Reg	4.29	3.86	3.48	3.13
610-1N5298	1N5298	DO-35	1.1mA Curr Reg	1.78	1.63	1.49	1.21
610-1N5299	1N5299	DO-35	1.2mA Curr Reg	1.78	1.63	1.49	1.21
610-1N5301	1N5301	DO-35	1.4mA Curr Reg	1.78	1.63	1.49	1.21
610-1N5302	1N5302	DO-35	1.5mA Curr Reg	1.78	1.63	1.49	1.21
610-1N5303	1N5303	DO-35	1.6mA Curr Reg	1.78	1.63	1.49	1.21
610-1N5304	1N5304	DO-35	1.8mA Curr Reg	1.78	1.63	1.49	1.21
610-1N5305	1N5305	DO-35	2.0mA Curr Reg	4.29	3.86	3.48	3.13
610-1N5306	1N5306	DO-35	2.2mA Curr Reg	1.78	1.63	1.49	1.21

DIODES (CONT.)

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Central Part No.	Package	Description	Price Each 1	100	500	10
Current Limiting Diode (Cont.)							
610-1N5307	1N5307	DO-35	2.4mA Curr Reg	1.78	1.63	1.49	1.2
610-1N5308	1N5308	DO-35	2.7mA Curr Reg	1.78	1.63	1.49	1.2
610-1N5309	1N5309	DO-35	3.0mA Curr Reg	4.29	3.86	3.48	3.1
610-1N5310	1N5310	DO-35	3.3mA Curr Reg	2.35	2.16	1.97	1.6
610-1N5311	1N5311	DO-35	3.6mA Curr Reg	2.35	2.16	1.97	1.6
610-1N5312	1N5312	DO-35	3.9mA Curr Reg	2.35	2.16	1.97	1.6
610-1N5313	1N5313	DO-35	4.3mA Curr Reg	2.35	2.16	1.97	1.6
610-1N5314	1N5314	DO-35	4.7mA Curr Reg	4.29	3.86	3.48	3.1
Schottky Diode							
♦610-CMSH120	CMSH1-20	SMB	1A 20V	.67	.47	.33	.2
610-CDSH270	CDSH270A	DO-35	100V 100mA Rec	.35	.28	.25	.2
♦610-CMOSH-3	CMOSH3	SOD-523	30V 100mA	.30	.24	.20	.1
♦610-CMPSH-3C	CMPSH-3C	SOT-23	Dual Cl Cathode	.42	.36	.32	.2
♦610-CMLD6263A	CMLD6263A	SOT-563	Pair Common Anode	.99	.89	.79	.7
♦610-CMLD6263C	CMLD6263C	SOT-563	Pair Common Cathode	.99	.89	.79	.7
♦610-CMLD6263S	CMLD6263S	SOT-563	Dual Pair In Series	.99	.89	.79	.7
♦610-CMLD6263DO	CMLD6263DO	SOT-563	Dual Opposing	.99	.89	.79	.7
♦610-CMLD6263	CMLD6263	SOT-563	Single	.89	.80	.71	.6
♦610-CMHSH5-2L	CMHSH5-2L	SOD-123	20V, 500mA	.24	.20	.16	.1
♦610-CMPSH-3AE	CMPSH-3AE	SOT-23	30V, 100mA	.52	.44	.36	.2
♦610-CMSSH-3A	CMSSH-3A	SOT-323	30V, 100mA	.40	.29	.25	.2
♦610-CMPSH-3CE	CMPSH-3CE	SOT-23	30V, 100mA	.26	.22	.18	.1
♦610-CMSSH-3C	CMSSH-3C	SOT-323	30V, 100mA	.40	.29	.25	.2
♦610-CMKSH-3DO	CMKSH-3DO	SOT-363	30V, 100mA	.33	.27	.22	.1
♦610-CMPSH-3SE	CMPSH-3SE	SOT-23	30V, 100mA	.26	.22	.18	.1
♦610-CMSSH-3S	CMSSH-3S	SOT-323	30V, 100mA	.40	.29	.25	.2
♦610-CMOSH-3	CMOSH-3	SOD-523	30V, 100mA	.30	.24	.20	.1
♦610-CMPSH-3E	CMPSH-3E	SOT-23	30V, 100mA	.20	.16	.13	.1
♦610-CMSSH-3	CMSSH-3	SOT-323	30V, 100mA	.36	.26	.22	.1
♦610-CMKSH-3T	CMKSH-3T	SOT-363	30V, 100mA	.33	.27	.22	.1
♦610-CMXSH-3	CMXSH-3	SOT-26	30V, 100mA	.40	.29	.25	.2
♦610-CMOSH-4E	CMOSH-4E	SOD-523	40V, 200mA	.20	.16	.13	.1
♦610-CMHSH5-4	CMHSH5-4	SOD-123	40V, 500mA	.24	.20	.16	.1
♦610-CZSH5-40	CZSH5-40	SOT-223	40V, 500mA	.65	.53	.43	.3
♦610-CMPD6263A	CMPD6263A	SOT-23	70V, 15mA	.33	.27	.22	.1
♦610-CMSD6263A	CMSD6263A	SOT-323	70V, 15mA	.39	.32	.26	.2
♦610-CMPD6263C	CMPD6263C	SOT-23	70V, 15mA	.33	.27	.22	.1
♦610-CMSD6263C	CMSD6263C	SOT-323	70V, 15mA	.39	.32	.26	.2
♦610-CMKD6263DO	CMKD6263DO	SOT-363	70V, 15mA	.33	.27	.22	.1
♦610-CMPD6263S	CMPD6263S	SOT-23	70V, 15mA	.33	.27	.22	.1
♦610-CMSD6263S	CMSD6263S	SOT-323	70V, 15mA	.39	.32	.26	.2
♦610-CMDD6263	CMDD6263	SOD-323	70V, 15mA	.26	.22	.18	.1
♦610-CMOD6263	CMOD6263	SOD-523	70V, 15mA	.30	.24	.20	.1
♦610-CMPD6263	CMPD6263	SOT-23	70V, 15mA	.66	.59	.55	.5
♦610-CMSD6263	CMSD6263	SOT-323	70V, 15mA	.33	.27	.22	.1
♦610-CMKD6263	CMKD6263	SOT-363	70V, 15mA	.36	.30	.24	.2
Zener Diode							
610-1N746A	1N746A	DO-35	3.3V .5W	.18	.14	.10	.0
610-1N747A	1N747A	DO-35	3.6V .5W	.18	.14	.10	.0
610-1N748A	1N748A	DO-35	3.9V .5W	.18	.14	.10	.0
610-1N749A	1N749A	DO-35	4.3V .5W	.18	.14	.10	.0
610-1N750A	1N750A	DO-35	4.7V .5W	.18	.14	.10	.0
610-1N751A	1N751A	DO-35	5.1V .5W	.18	.14	.10	.0
610-1N752A	1N752A	DO-35	5.6V .5W	.18	.14	.10	.0
610-1N4626	1N4626	DO-35	5.6V 50mA	.39	.38	.35	.3
♦610-CMOZ5L6	CMOZ5L6	SOD-523	5.6V 1A Low Noise	.33	.27	.22	.1
610-1N753A	1N753A	DO-35	6.2V .5W	.18	.14	.10	.0
♦610-CLL5234B	CLL5234B	SOD-80	6.2V 20mA	1.25	1.20	1.15	1.1
♦610-1N754A	1N754A	DO-35	6.8V .5W	.18	.14	.10	.0
♦610-CZ5342B	CZ5342B	DO-201	6.8V 5.0W	.52	.47	.42	.3
♦610-CLL5235B	CLL5235B	SOD-80	6.8V .5W	1.07	.89	.78	.6
♦610-CZ5343B	CZ5343B	DO-201	7.5V 5.0W	.52	.47	.42	.3
♦610-1N756A	1N756A	DO-35	8.2V .5W	.18	.14	.10	.0
♦610-CZ5344B	CZ5344B	DO-201	8.2V 5.0W	.52	.47	.42	.3
♦610-CZ5345B	CZ5345B	DO-201	8.7V 5.0W	.52	.47	.42	.3
♦610-1N5346B	1N5346B	DO-35	9.1V 5W	.52	.47	.42	.3
♦610-1N758A	1N758A	DO-35	10V .5W	.18	.14	.10	.0
♦610-CZ5347B	CZ5347B	DO-201	10V 5.0W	.52	.47	.42	.3
♦610-CZ5348B	CZ5348B	DO-201	11V 5.0W	.52	.47	.42	.3
♦610-1N759A	1N759A	DO-35	12V .5W	.18	.14	.10	.0
♦610-CZ5349B	CZ5349B	DO-201	12V 5.0W	.52	.47	.42	.3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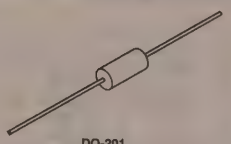
SOT-23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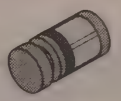
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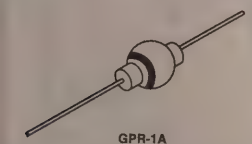
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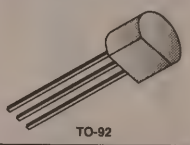
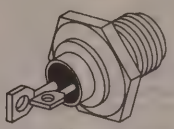
GPR-3A


TO-92


TO-48

ODES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	Description	Price Each 1	100	500	1000
ner Diode (cont.)							
)-CZ5350B	CZ5350B	DO-201	13V 5.0W	.52	.47	.42	.38
)-CZ5351B	CZ5351B	DO-201	14V 5.0W	.52	.47	.42	.38
)-CZ5352B	CZ5352B	DO-201	15V 5.0W	.52	.47	.42	.38
)-CZ5353B	CZ5353B	DO-201	16V 5.0W	.52	.47	.42	.35
)-CZ5354B	CZ5354B	DO-201	17V 5.0W	.52	.47	.42	.38
)-CZ5355B	CZ5355B	DO-201	18V 5.0W	.52	.47	.42	.38
)-CZ5356B	CZ5356B	DO-201	19V 5.0W	.52	.47	.42	.38
)-CZ5357B	CZ5357B	DO-201	20V 5.0W	.52	.47	.42	.38
)-CZ5358B	CZ5358B	DO-201	22V 5.0W	.52	.47	.42	.38
)-CZ5359B	CZ5359B	DO-201	24V 5.0W	.52	.47	.42	.38
)-CZ5360B	CZ5360B	DO-201	25V 5.0W	.52	.47	.42	.38
)-CZ5361B	CZ5361B	DO-201	27V 5.0W	.52	.47	.42	.38
)-CMOZ10L	CMOZ10L	SOD-523	10V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ10V	CMOZ10V	SOD-523	10V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA10V	CMSZDA10V	SOT-323	10V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ11L	CMOZ11L	SOD-523	11V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ11V	CMOZ11V	SOD-523	11V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA11V	CMSZDA11V	SOT-323	11V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ12L	CMOZ12L	SOD-523	12V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ12V	CMOZ12V	SOD-523	12V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA12V	CMSZDA12V	SOT-323	12V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ13L	CMOZ13L	SOD-523	13V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ13V	CMOZ13V	SOD-523	13V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA13V	CMSZDA13V	SOT-323	13V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ15L	CMOZ15L	SOD-523	15V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ15V	CMOZ15V	SOD-523	15V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA15V	CMSZDA15V	SOT-323	15V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ16L	CMOZ16L	SOD-523	16V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ16V	CMOZ16V	SOD-523	16V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA16V	CMSZDA16V	SOT-323	16V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ18L	CMOZ18L	SOD-523	18V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ18V	CMOZ18V	SOD-523	18V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA18V	CMSZDA18V	SOT-323	18V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ2L4	CMOZ2L4	SOD-523	2.4V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ2V4	CMOZ2V4	SOD-523	2.4V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA2V4	CMSZDA2V4	SOT-323	2.4V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ2L5	CMOZ2L5	SOD-523	2.5V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ2V6	CMOZ2V6	SOD-523	2.6V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMOZ2L7	CMOZ2L7	SOD-523	2.7V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ2V7	CMOZ2V7	SOD-523	2.7V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA2V7	CMSZDA2V7	SOT-323	2.7V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ20L	CMOZ20L	SOD-523	20V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ20V	CMOZ20V	SOD-523	20V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA20V	CMSZDA20V	SOT-323	20V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ22L	CMOZ22L	SOD-523	22V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ22V	CMOZ22V	SOD-523	22V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA22V	CMSZDA22V	SOT-323	22V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ24L	CMOZ24L	SOD-523	24V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ24V	CMOZ24V	SOD-523	24V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA24V	CMSZDA24V	SOT-323	24V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMSZDA27V	CMSZDA27V	SOT-323	27V, 2.0mA, 275mW	.27	.20	.17	.14
)-CMOZ27L	CMOZ27L	SOD-523	27V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ27V	CMOZ27V	SOD-523	27V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMOZ3L0	CMOZ3L0	SOD-523	3.0V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ3V0	CMOZ3V0	SOD-523	3.0V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA3V0	CMSZDA3V0	SOT-323	3.0V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ3L3	CMOZ3L3	SOD-523	3.3V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ3V3	CMOZ3V3	SOD-523	3.3V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA3V3	CMSZDA3V3	SOT-323	3.3V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ3L6	CMOZ3L6	SOD-523	3.6V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ3V6	CMOZ3V6	SOD-523	3.6V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA3V6	CMSZDA3V6	SOT-323	3.6V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMOZ3L9	CMOZ3L9	SOD-523	3.9V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ3V9	CMOZ3V9	SOD-523	3.9V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA3V9	CMSZDA3V9	SOT-323	3.9V, 5.0mA, 275mW	.27	.20	.17	.14
)-CMSZDA30V	CMSZDA30V	SOT-323	30V, 2.0mA, 275mW	.27	.20	.17	.14
)-CMOZ30L	CMOZ30L	SOD-523	30V, 250µA, 250mW	.33	.27	.22	.17
)-CMOZ30V	CMOZ30V	SOD-523	30V, 5.0mA, 250mW	.18	.15	.12	.10
)-CMSZDA33V	CMSZDA33V	SOT-323	33V, 2.0mA, 275mW	.27	.20	.17	.14

DIODES (CONT.)

♦Surface Mount Device

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	Description	Price Each 1	100	500	1000
Zener Diode (cont.)							
♦610-CMOZ33L	CMOZ33L	SOD-523	33V, 250µA, 250mW	.33	.27	.22	.17
♦610-CMOZ33V	CMOZ33V	SOD-523	33V, 5.0mA, 250mW	.18	.15	.12	.10
♦610-CMSZDA36V	CMSZDA36V	SOT-323	36V, 2.0mA, 275mW	.27	.20	.17	.14
♦610-CMOZ36L	CMOZ36L	SOD-523	36V, 250µA, 250mW	.33	.27	.22	.17
♦610-CMOZ36V	CMOZ36V	SOD-523	36V, 5.0mA, 250mW	.18	.15	.12	.10
♦610-CMSZDA39V	CMSZDA39V	SOT-323	39V, 2.0mA, 275mW	.27	.20	.17	.14
♦610-CMOZ39L	CMOZ39L	SOD-523	39V, 250µA, 250mW	.33	.27	.22	.17
♦610-CMOZ39V	CMOZ39V	SOD-523	39V, 5.0mA, 250mW	.18	.15	.12	.10
♦610-CMOZ4L3	CMOZ4L3	SOD-523	4.3V, 250µA, 250mW	.33	.27	.22	.17
♦610-CMOZ4V3	CMOZ4V3	SOD-523	4.3V, 5.0mA, 250mW	.18	.15	.12	.10
♦610-CMSZDA4V3	CMSZDA4V3	SOT-323	4.3V, 5.0mA, 275mW	.27	.20	.17	.14
♦610-CMOZ4L7	CMOZ4L7	SOD-523	4.7V, 250µA, 250mW	.33	.27	.22	.17
♦610-CMOZ4V7	CMOZ4V7	SOD-523	4.7V, 5.0mA, 250mW	.18	.15	.12	.10
♦610-CMSZDA4V7	CMSZDA4V7	SOT-323	4.7V, 5.0mA, 275mW	.27	.20	.17	.14
♦610-CMSZDA43V	CMSZDA43V	SOT-323	43V, 2.0mA, 275mW	.27	.20	.17	.14
♦610-CMOZ43L	CMOZ43L	SOD-523	43V, 250µA, 250mW	.33	.27	.22	.17
♦610-CMOZ43V	CMOZ43V	SOD-523	43V, 5.0mA, 250mW	.33	.27	.22	.17
♦610-CMSZDA47V	CMSZDA47V	SOT-323	47V, 2.0mA, 275mW	.27	.20	.17	.14
♦610-CMOZ5L1	CMOZ5L1	SOD-523	5.1V, 250µA, 250mW	.33	.27	.22	.17
♦610-CMOZ5V1	CMOZ5V1	SOD-523	5.1V, 5.0mA, 250mW	.18	.15	.12	.10
♦610-CMSZDA5V1	CMSZDA5V1	SOT-323	5.1V, 5.0mA, 275mW	.27	.20	.17	.14
♦610-CMOZ5L6	CMOZ5L6	SOD-523	5.6V, 250µA, 250mW	.33	.27	.22	.17
♦610-CMOZ5V6	CMOZ5V6	SOD-523	5.6V, 5.0mA, 250mW	.18	.15	.12	.10
♦610-CMSZDA5V6	CMSZDA5V6	SOT-323	5.6V, 5.0mA, 275mW	.27	.20	.17	.14
♦610-CMOZ6L2	CMOZ6L2	SOD-523	6.2V, 250µA, 250mW	.33	.27	.22	.17
♦610-CMOZ6V2	CMOZ6V2	SOD-523	6.2V, 5.0mA, 250mW	.18	.15	.12	.10
♦610-CMSZDA6V2	CMSZDA6V2	SOT-323	6.2V, 5.0mA, 275mW	.27	.20	.17	.14
♦610-CMOZ6L8	CMOZ6L8	SOD-523	6.8V, 250µA, 250mW	.33	.27	.22	.17
♦610-CMOZ6V8	CMOZ6V8	SOD-523	6.8V, 5.0mA, 250mW	.18	.15	.12	.10
♦610-CMSZDA6V8	CMSZDA6V8	SOT-323	6.8V, 5.0mA, 275mW	.27	.20	.17	.14
♦610-CMOZ7L5	CMOZ7L5	SOD-523	7.5V, 250µA, 250mW	.33	.27	.22	.17
♦610-CMOZ7V5	CMOZ7V5	SOD-523	7.5V, 5.0mA, 250mW	.18	.15	.12	.10
♦610-CMSZDA7V5	CMSZDA7V5	SOT-323	7.5V, 5.0mA, 275mW	.27	.20	.17	.14
♦610-CMOZ8L2	CMOZ8L2	SOD-523	8.2V, 250µA, 250mW	.33	.27	.22	.17
♦610-CMOZ8V2	CMOZ8V2	SOD-523	8.2V, 5.0mA, 250mW	.18	.15	.12	.10
♦610-CMSZDA8V2	CMSZDA8V2	SOT-323	8.2V, 5.0mA, 275mW	.27	.20	.17	.14
♦610-CMOZ9L1	CMOZ9L1	SOD-523	9.1V, 250µA, 250mW	.33	.27	.22	.17
♦610-CMOZ9V1	CMOZ9V1	SOD-523	9.1V, 5.0mA, 250mW	.18	.15	.12	.10
♦610-CMSZDA9V1	CMSZDA9V1	SOT-323	9.1V, 5.0mA, 275mW	.27	.20	.17	.14

RECTIFIERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	Description	Price Each 1	100	500	1000
General Purpose Rectifiers							
610-1N5059	1N5059	GPR-1A	200V 1.0A	.33	.30	.28	.26
610-1N5624	1N5624	GPR-3A	200V 3.0A	.62	.57	.52	.49
610-1N5060	1N5060	GPR-1A	400V 1.0A	.33	.30	.28	.26
610-1N5625	1N5625 BK	GPR-3A	400V 3.0A	.64	.59	.54	.50
610-1N5061	1N5061	GPR-1A	600V 1.0A	.33	.30	.28	.26
610-1N5626	1N5626 BK	GPR-3A	600V 3.0A	.84	.77	.71	.66
610-1N5062	1N5062	GPR-1A	800V 1.0A	.34	.31	.29	.27
610-1N5627	1N5627 BK	GPR-3A	800V 3.0A	.95	.87	.80	.74
SCRs							
610-2N681	2N681	TO-48	25V 25A	9.08	8.35	7.99	7.74
610-2N5060	2N5060	TO-92	30V 0.8A	.39	.32	.27	.23
610-2N682	2N682	TO-48	50V 25A	9.08	8.35	7.99	7.74
610-2N5061	2N5061	TO-92	60V 0.8A	.40	.33	.28	.24
610-2N5062	2N5062	TO-92	100V 0.8A	.40	.33	.28	.24
610-2N683	2N683	TO-48	100V 25A	9.08	8.35	7.99	7.74
610-2N5063	2N5063	TO-92	150V 0.8A	.43	.35	.29	.25
610-2N5064	2N5064	TO-92	200V 0.8A	.44	.36	.30	.26
♦610-CMPS5062	CMPS5062	SOT-23	200V 0.8A	.54	.46	.38	.32
610-2N685	2N685	TO-48	200V 25A	9.08	8.35	7.99	7.74
610-2N686	2N686	TO-48	250V 25A	9.08	8.35	7.99	7.74
610-2N687	2N687	TO-48	300V 25A	9.85	9.12	8.69	8.45
610-CS92D	CS92D	TO-92	400V 0.8A	.54	.43	.36	.29
610-2N688	2N688	TO-48	400V 25A	9.85	9.12	8.69	8.45
610-2N689	2N689	TO-48	500V 25A	9.85	9.12	8.69	8.45

DIODES INC. Diodes

DIODES INC. DIODES HIGH SPEED SWITCHING

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	V_{RRM} (V)	I_R (μA)	V_R (V)	V_F (V)	Pd (mW)	Capacitance (Max) (pF)	Trr (nS)	Price Each 1	10	100	250
621-BAS116	BAS116	SOT-23	85	0.005	75	1.0	250	2	3	.34	.25	.18	.1
621-BAV170	BAV170	SOT-23	85	0.005	75	1.0	250	2	3000	.43	.31	.22	.1
621-BAV170T	BAV170T	SOT-523	85	0.005	75	1.0	150	—	3000	.43	.31	.22	.1
621-BAV199	BAV199	SOT-23	85	0.005	75	1.0	250	2	3000	.25	.20	.15	.1
621-BAV199T	BAV199T	SOT-523	85	0.005	75	1.0	150	—	3000	.43	.31	.22	.1
621-BAW156	BAW156	SOT-23	85	0.005	75	1.0	250	3	3000	.43	.31	.22	.1
621-BAW156T	BAW156T	SOT-523	85	0.005	75	1.0	150	—	3000	.43	.31	.22	.1
621-MMBD4448HT	MMBD4448HT	SOT-523	80	0.1	70	1.0	150	—	4	.39	.26	.18	.1
621-MMBD4448HTA	MMBD4448HTA	SOT-523	80	0.1	70	1.0	150	3.5	4	.39	.26	.18	.1
621-MMBD4448HTS	MMBD4448HTS	SOT-523	80	0.1	70	1.0	150	—	4	.18	.14	.11	.0
621-1N4448HWT	1N4448HWT	SOD-523	80	0.1	80	0.7	150	—	4	.38	.28	.20	.1
621-BAV19WS	BAV19WS	SOD-323	100	0.1	100	1.0	200	5	50	.39	.30	.22	.1
621-BAV19W	BAV19W	SOD-123	100	0.1	150	1.0	250	5	50	.43	.31	.22	.1
621-BAS20	BAS20	SOT-23	150	0.1	150	1.0	250	5	50	.38	.28	.20	.1
621-BAV20W	BAV20W	SOD-123	150	0.1	150	1.0	250	5	50	.43	.31	.22	.1
621-BAV20WS	BAV20WS	SOD-323	150	0.1	150	1.0	200	5	50	.39	.30	.22	.1
621-BAV21W	BAV21W	SOD-123	200	0.1	200	1.0	250	5	50	.43	.31	.22	.1
621-BAV21WS	BAV21WS	SOD-323	200	0.1	200	1.0	200	5	50	.39	.30	.22	.1
621-MMBD2004S	MMBD2004S	SOT-23	240	0.1	240	1.0	350	5	50	.23	.18	.14	.1
621-MMBD3004S	MMBD3004S	SOT-23	300	0.1	240	1.0	350	5	50	.43	.31	.22	.1
621-BAS21	BAS21	SOT-23	200	0.1	250	1.0	250	5	50	.38	.28	.20	.1
621-BAV23A	BAV23A	SOT-23	200	0.1	250	1.0	350	5	50	.43	.31	.22	.1
621-BAV23C	BAV23C	SOT-23	200	0.1	250	1.0	350	5	50	.43	.31	.22	.1
621-BAS16	BAS16	SOT-23	75	1	70	0.855	350	2	6	.33	.23	.16	.1
621-1N4148WS	1N4148WS	SOD-323	75	1	75	0.855	200	2	4	.44	.30	.21	.1
621-BAS16W	BAS16W	SOT-323	75	1	75	0.855	200	2	4	.40	.27	.19	.1
621-BAV16W	BAV16W	SOD-123	75	1	75	1.0	400	2	4	.44	.30	.21	.1
621-BAV16WS	BAV16WS	SOD-323	75	1	75	1.0	200	2	4	.44	.30	.21	.1
621-MMBD914	MMBD914	SOT-23	75	1	75	1.0	350	2	4	.33	.23	.16	.1
621-MMBD4448H	MMBD4448H	SOT-23	80	1	75	0.1	350	3.5	4	.33	.23	.16	.1
621-1N4148WT	1N4148WT	SOD-523	100	1	75	0.7	150	—	4	.38	.28	.20	.1
621-BAV70T	BAV70T	SOT-523	85	2	75	1.0	150	1.5	4	.39	.26	.18	.1
621-BAV99T	BAV99T	SOT-523	85	2	75	1.0	150	1.5	4	.44	.30	.21	.1
621-BAW56T	BAW56T	SOT-523	85	2	75	1.0	150	1.5	4	.38	.28	.20	.1
621-BAV99	BAV99	SOT-23	75	2.5	70	0.855	350	1.5	6	.44	.30	.21	.1
621-BAW56	BAW56	SOT-23	75	2.5	70	0.855	350	2	6	.38	.28	.20	.1
621-BAV70	BAV70	SOT-23	70	2.5	75	0.855	350	1.5	6	.39	.26	.18	.1
621-1N4148W	1N4148W	SOD-123	75	2.5	75	0.855	400	2	4	.44	.30	.21	.1
621-1N4448W	1N4448W	SOD-123	75	2.5	75	0.855	350	4	4	.44	.30	.21	.1
621-1N4448WS	1N4448WS	SOD-323	75	2.5	75	1.0	200	4	4	.44	.30	.21	.1
621-BAL99	BAL99	SOT-23	75	2.5	75	1.0	350	2	4	.44	.30	.21	.1
621-BAV70W	BAV70W	SOT-323	75	2.5	75	0.855	200	2	4	.46	.32	.22	.1
621-BAV99W	BAV99W	SOT-323	75	2.5	75	0.855	200	2	4	.41	.30	.21	.1
621-BAW56W	BAW56W	SOT-323	75	2.5	75	0.855	200	2	4	.46	.34	.24	.1
621-MMBD4148	MMBD4148	SOT-23	75	2.5	75	1.0	350	2	4	.33	.23	.16	.1
621-MMBD4148W	MMBD4148W	SOT-323	75	2.5	75	1.0	200	2	4	.48	.33	.23	.1
621-MMBD4448	MMBD4448	SOT-23	75	2.5	75	1.0	350	4	4	.33	.23	.16	.1
621-MMBD4448DW	MMBD4448DW	SOT-363	75	2.5	75	1.0	200	4	4	.43	.31	.22	.1
621-MMBD4448W	MMBD4448W	SOT-323	75	2.5	75	1.0	200	4	4	.48	.33	.23	.1
621-MMBD7000	MMBD7000	SOT-23	75	3	100	1.25	350	2	4	.44	.30	.21	.1
621-1N4448HWS	1N4448HWS	SOD-323	80	0.1	75	0.855	200	3.5	4	.44	.30	.21	.1
621-BAS20W	BAS20W	SOT-323	150	15	200	1.0	200	5	50	.46	.34	.24	.1
621-BAS21T	BAS21T	SOT-523	200	15	200	1.0	150	5	50	.43	.31	.22	.1
621-BAS21W	BAS21W	SOT-323	200	15	250	1.0	200	5	50	.46	.34	.24	.1
621-MMBD4448HW	MMBD4448HW	SOT-323	80	0.1	75	1.0	200	3.5	4	.48	.33	.23	.1
621-BAS16V	BAS16V	SOT-563	100	50	75	1.0	150	2	4	.33	.30	.24	.1
621-MMBD4448V	MMBD4448V	SOT-563	100	50	80	1.0	150	3.5	4	.33	.30	.24	.1
621-BAS116T	BAS116T	SOT-523	85	85	85	1.0	150	—	3000	.38	.28	.20	.1
621-BAV116W	BAV116W	SOD-123	130	100	130	1.0	250	5	3000	.38	.28	.20	.1
621-BAV3004W	BAV3004W	SOD-323	300	100	240	1.0	400	5	50	.45	.36	.27	.1

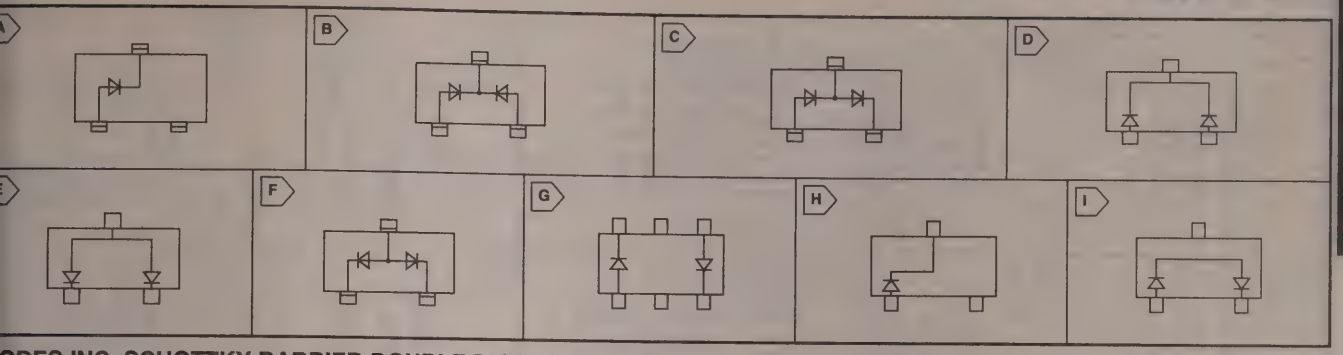
DIODES INC. SCHOTTKY BARRIER DIODES

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Forward Voltage Drop @ IF		V_{RRM} (Max)	Leakage Current	Pd (mW)	Trr (nS)	Price Each 1	10	100	2
			VF	IF (mA)								
621-B0520WS	B0520WS	SOD-323	0.31	100	20	100μA	200	—	.60	.48	.36	
621-SD103CWS	SD103CWS	SOD-323	0.37	20	20	5μA	200	10	.60	.48	.36	
621-SD103CW	SD103CW	SOD-123	0.37	20	20	5μA	250	10	.53	.42	.32	
621-SD107WS	SD107WS	SOD-323	0.30	100	30	1μA	200	—	1.05	.84	.63	
621-BAT43WS	BAT43WS	SOD-323	0.33	2	30	100μA	200	5	.64	.51	.38	
621-BAT42W	BAT42W	SOD-123	1	200	30	100μA	200	5	.60	.48	.36	
621-BAT54WS	BAT54WS	SOD-323	0.32	1	30	2.0μA	200	5	.80	.64	.48	
621-SD103BWS	SD103BWS	SOD-323	0.37	20	30	5μA	200	10	.60	.48	.36	
621-SD103BW	SD103BW	SOD-123	0.37	20	30	5μA	250	10	.53	.42	.32	
621-BAT42WS	BAT42WS	SOD-323	1	200	30	500nA	200	5	.64	.51	.38	
621-BAT43W	BAT43W	SOD-123	1	200	30	500nA	200	5	.60	.48	.36	
621-SD101CWS	SD101CWS	SOD-323	0.39	1	40	200nA	200	1	.63	.50	.38	
621-SD103AWS	SD103AWS	SOD-323	0.37	20	40	5μA	200	10	.60	.48	.36	
621-SD103AW	SD103AW	SOD-123	0.37	20	40	5μA	250	10	.53	.42	.32	
621-SDMK0340L	SDMK0340L	SOD-323	0.37	1	40	500nA	250	—	.60	.48	.36	
621-SD101BWS	SD101BWS	SOD-323	0.4	1	50	200nA	200	1	.63	.50	.38	
621-1N6263W	1N6263W	SOD-123	1	15	60	200μA	400	1	.70	.56	.42	
621-SD101AWS	SD101AWS	SOD-323	0.41	1	60	200nA	200	1	.63	.50	.38	
621-SD101AW	SD101AW	SOD-123	0.41	1	60	200nA	250	1	.48	.38	.29	
621-1N5711WS	1N5711WS	SOD-323	0.41	1	70	200nA	200	1	.72	.58	.43	

DIODES INC. Diodes and Diode Arrays

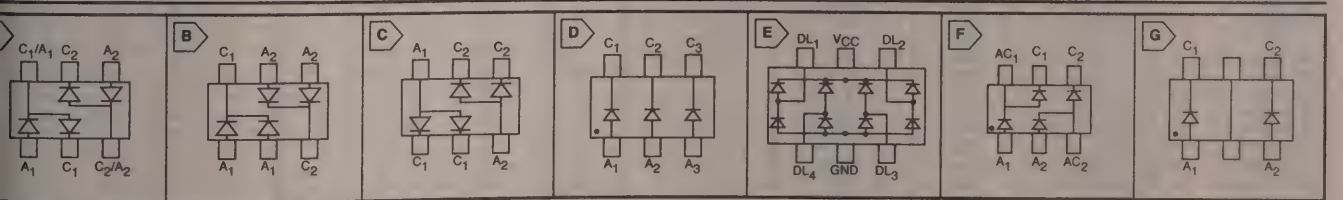
DIODES INCORPORATED



ODES INC. SCHOTTKY BARRIER DOUBLE DIODES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Figure	Package	I_F	V_{RRM} (Max)	FV@ 100mA	Leakage Current	Trr (nS)	Price Each			
									1	10	100	250
21-BAS70	BAS70	A	SOT-23	70mA	70V	1.0V	200uA	5nS	.80	.64	.48	.38
21-BAS70-05	BAS70-05	B	SOT-23	70mA	70V	1.0V	200nA	5nS	.80	.64	.48	.38
21-BAS70-04	BAS70-04	C	SOT-23	70mA	70V	1.0V	200nA	5nS	.80	.64	.48	.38
21-BAS70W	BAS70W	A	SOT-323	100mA	70V	1.0V	100nA	5nS	.88	.70	.53	.42
21-BAS70W-05	BAS70W-05	B	SOT-323	100mA	70V	1.0V	100nA	5nS	.88	.70	.53	.42
21-BAS70W-04	BAS70W-04	C	SOT-323	100mA	70V	1.0V	100nA	5nS	.88	.70	.53	.42
21-BAS40-05T	BAS40-05T	D	SOT-523	150mA	40V	1.0V	200nA	5nS	.64	.51	.38	.30
21-BAS40-06T	BAS40-06T	E	SOT-523	150mA	40V	1.0V	200nA	5nS	.64	.51	.38	.30
21-BAT54	BAT54	A	SOT-23	200mA	30V	1.0V	2μA	5nS	.50	.40	.30	.23
21-BAT54W	BAT54W	A	SOT-323	200mA	30V	1.0V	2μA	5nS	.60	.48	.36	.27
21-BAT54C	BAT54C	B	SOT-23	200mA	30V	1.0V	2μA	5nS	.60	.48	.36	.29
21-BAT54CW	BAT54CW	B	SOT-323	200mA	30V	1.0V	2μA	5nS	.72	.58	.43	.34
21-BAT54S	BAT54S	C	SOT-23	200mA	30V	1.0V	2μA	5nS	.60	.48	.36	.29
21-BAT54SW	BAT54SW	C	SOT-323	200mA	30V	1.0V	2μA	5nS	.72	.58	.43	.34
21-BAS40	BAS40	A	SOT-23	200mA	40V	1.0V	200nA	5nS	.64	.51	.38	.30
21-BAS40W	BAS40W	A	SOT-323	200mA	40V	1.0V	200nA	5nS	.80	.64	.48	.38
21-BAS40-05	BAS40-05	B	SOT-23	200mA	40V	1.0V	200nA	5nS	.64	.51	.38	.30
21-BAS40W-05	BAS40W-05	B	SOT-323	200mA	40V	1.0V	200nA	5nS	.80	.64	.48	.38
21-BAS40-04	BAS40-04	C	SOT-23	200mA	40V	1.0V	200nA	5nS	.64	.51	.38	.30
21-BAS40W-04	BAS40W-04	C	SOT-323	200mA	40V	1.0V	200nA	5nS	.80	.64	.48	.38
21-BAT400D	BAT400D	A	SOT-23	500mA	40V	0.5V	50μA	—	.64	.51	.38	.30
21-BAT750	BAT750	A	SOT-23	750mA	40V	0.75V	100μA	—	.72	.58	.43	.34
21-SDMP0340LT	SDMP0340LT	H	SOT-523	30mA	40V	0.29V	1.0μA	—	.81	.65	.49	.41
21-BAS70-06	BAS70-06	F	SOT-23	70mA	70V	1.0V	200nA	5nS	.80	.64	.48	.38
21-BAS70W-06	BAS70W-06	F	SOT-323	100mA	70V	1.0V	100nA	5nS	.88	.70	.53	.42
21-BAT54A	BAT54A	F	SOT-23	200mA	30V	1.0V	2μA	5nS	.60	.48	.36	.29
21-BAT54AW	BAT54AW	F	SOT-323	200mA	30V	1.0V	2μA	5nS	.72	.58	.43	.34
21-BAT54DW	BAT54DW	G	SOT-363	200mA	30V	1.0V	2μA	5nS	.83	.65	.50	.42
21-BAT54T	BAT54T	H	SOT-523	200mA	30V	1.0V	2.0μA	5nS	.50	.40	.30	.23
21-BAT54AT	BAT54AT	E	SOT-523	200mA	30V	1.0V	2.0μA	5nS	.60	.48	.36	.29
21-BAT54CT	BAT54CT	D	SOT-523	200mA	30V	1.0V	2.0μA	5nS	.60	.48	.36	.29
21-BAT54ST	BAT54ST	I	SOT-523	200mA	30V	1.0V	2.0μA	5nS	.81	.65	.49	.41
21-BAS40-06	BAS40-06	F	SOT-23	200mA	40V	1.0V	200nA	5nS	.64	.51	.38	.30
21-BAS40W-06	BAS40W-06	F	SOT-323	200mA	40V	1.0V	200nA	5nS	.80	.64	.48	.38
21-BAS40T	BAS40T	H	SOT-523	200mA	40V	1.0V	200nA	5nS	.64	.51	.38	.30
21-SDMG0340LA	SDMG0340LA	E	SOT-323	200mA	40V	0.37V	1μA	—	.68	.54	.41	.30
21-SDMP0340LAT	SDMP0340LAT	E	SOT-523	200mA	40V	0.37V	1μA	—	.68	.54	.41	.34
21-SDMG0340LC	SDMG0340LC	D	SOT-323	200mA	40V	0.37V	1μA	—	.68	.54	.41	.30
21-SDMG0340LS	SDMG0340LS	I	SOT-323	200mA	40V	0.37V	1μA	—	.68	.54	.41	.30
21-BAS40-04T	BAS40-04T	I	SOT-523	200mA	40V	1.0V	200nA	5nS	.64	.51	.38	.30
21-SDM40E20LS	SDM40E20LS	I	SOT-23	400mA	20V	0.31V	100μA	—	.64	.51	.38	.30
21-SDM10P45	SDM10P45	H	SOT-523	1000mA	45V	0.45V	1μA	—	.81	.65	.49	.41

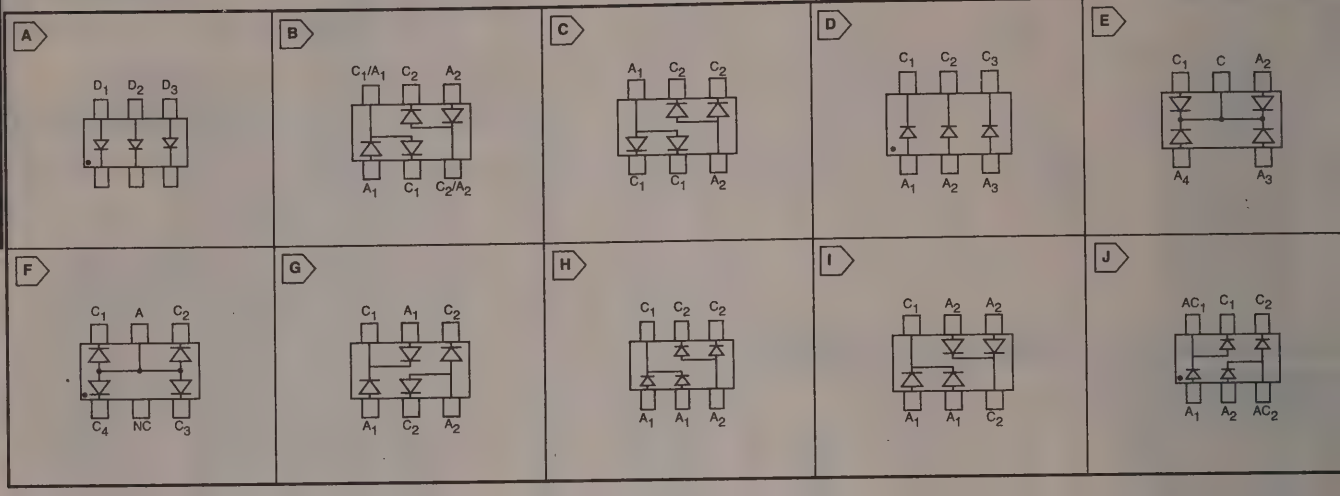


ODES INC. SCHOTTKY BARRIER DIODE ARRAYS SOT-363 (200MW)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Figure	Forward Voltage @ IF		V_{RRM} (Max)	P_D (mW)	Trr (nS)	Price Each			
			VF	IF (mA)				1	10	100	250
21-BAT54SDW	BAT54SDW	A	0.4	10	30	200	5	.96	.77	.58	.46
21-BAT54CDW	BAT54CDW	B	0.4	10	30	200	5	.96	.77	.58	.46
21-BAT54ADW	BAT54ADW	C	0.4	10	30	200	5	.96	.77	.58	.46
21-BAT54TW	BAT54TW	D	0.32	1	30	200	5	.80	.64	.48	.38
21-QSBT40	QSBT40	E	0.45	10	30	200	5	1.09	.86	.66	.55
21-BAT54BRW	BAT54BRW	F	0.4	10	30	200	5	.96	.77	.58	.46
21-BAT54JW	BAT54JW	G	0.4	10	30	200	5	.64	.51	.38	.30
21-BAS40DW-04	BAS40DW-04	A	0.38	1	40	200	5	.80	.64	.48	.38
21-SD103ASDM	SD103ASDM	A	0.37	20	40	225	10	.72	.58	.43	.34
21-BAS40DW-05	BAS40DW-05	B	0.38	1	40	200	5	.80	.64	.48	.38
21-BAS40DW-06	BAS40DW-06	C	0.38	1	40	200	5	.80	.64	.48	.38
21-BAS40TW	BAS40TW	D	0.38	1	40	200	5	.81	.65	.49	.41
21-BAS40BRW	BAS40BRW	F	0.38	1	40	200	5	.96	.77	.58	.46

DIODES INC. Diodes and Diode Arrays



DIODES INC. SCHOTTKY BARRIER DIODE ARRAYS SOT-363 (200MW) (CONT.)

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Diodes Inc. Part No.	Figure	Forward Voltage @ IF		V_{RRM} (Max)	P_D (mW)	Trr (nS)	Price Each			
			VF	IF (mA)				1	10	100	25
621-SD103ATW	SD103ATW	A	0.37	20	40	200	10	.72	.58	.43	
621-SDM10M45SD	SDM10M45SD	B	0.45	10	45	225	—	1.08	.86	.65	
621-BAS70DW-04	BAS70DW-04	B	0.41	1	70	200	5	.83	.65	.50	
621-BAS70DW-05	BAS70DW-05	B	0.41	1	70	200	5	.83	.65	.50	
621-BAS70DW-06	BAS70DW-06	C	0.41	1	70	200	5	.83	.65	.50	
621-BAS70TW	BAS70TW	D	0.41	1	70	200	5	.88	.70	.53	
621-MMBD4448HSDW	MMBD4448HSDW	B	1	100	80	200	4	.60	.48	.36	
621-MMBD3004BRM	MMBD3004BRM	J	1	100	350	350	50	.68	.54	.41	
621-BAS16TW	BAS16TW	D	1	50	75	200	4	.45	.36	.27	
621-MMBD4448HAQW	MMBD4448HAQW	E	1	100	80	200	4	.60	.48	.36	
621-MMBD4448HCQW	MMBD4448HCQW	F	1	100	80	200	4	.60	.48	.36	
621-MMBD4448HTW	MMBD4448HTW	D	1	100	80	200	4	.50	.40	.30	
621-MMBD4448HCDW	MMBD4448HCDW	I	1	100	80	200	4	.60	.48	.36	
621-MMBD4448HADW	MMBD4448HADW	C	1	100	80	200	4	.60	.48	.36	
621-BAV70DW	BAV70DW	I	1	50	75	200	4	.50	.40	.30	
621-BAV99DW	BAV99DW	B	1	50	75	200	4	.50	.40	.30	
621-BAW56DW	BAW56DW	C	1	50	75	200	4	.50	.40	.30	
621-BAV756DW	BAV756DW	G	1	50	75	200	4	.50	.40	.30	
621-BAW567DW	BAW567DW	H	1	50	75	200	4	.50	.40	.30	
621-BAV199DW	BAV199DW	B	1	10	85	200	3000	.55	.44	.33	

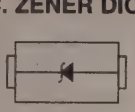
DIODES INC. RECTIFIERS - SUPER ULTRA FAST SWITCHING

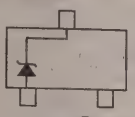
For quantities of 500 and up, call for

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	V_{RRM} (Max)	Ave. Rect. Curr. (Max)(A)	FV (Max)(V)	Max Rev. Curr. @ 25°C	Trr (nS)	Price Each			
								1	10	100	2
621-ES1A	ES1A	SMA	50	1	0.9	2	25	.68	.54	.41	
621-ES1B	ES1B	SMA	100	1	0.9	2	25	.70	.56	.42	
621-ES1C	ES1C	SMA	150	1	0.98	5	20	.73	.58	.44	
621-ES1D	ES1D	SMA	200	1	0.9	2	25	.60	.48	.36	
621-US1A	US1A	SMA	50	1	1	5	50	.55	.44	.33	
621-US1B	US1B	SMA	100	1	1	5	50	.60	.48	.36	
621-US1D	US1D	SMA	200	1	1	5	50	.65	.52	.39	
621-US1G	US1G	SMA	400	1	1.3	5	50	.70	.56	.42	
621-US1J	US1J	SMA	600	1	1.7	5	75	.60	.48	.36	
621-US1K	US1K	SMA	800	1	1.7	5	75	.64	.51	.38	
621-US1M	US1M	SMA	1000	1	1.7	5	75	.68	.54	.41	
621-ES2AA	ES2AA	SMA	50	2	0.92	5	25	.64	.51	.38	
621-ES2BA	ES2BA	SMA	100	2	0.92	5	25	.68	.54	.41	
621-ES2CA	ES2CA	SMA	150	2	0.92	5	25	.72	.58	.43	
621-ES2DA	ES2DA	SMA	200	2	0.9	5	25	.76	.61	.46	
621-MURS120	MURS120	SMB	200	1	0.875	2	25	.60	.48	.36	
621-MURS140	MURS140	SMB	400	1	1.25	5	50	.60	.48	.36	
621-MURS160	MURS160	SMB	600	1	1.25	5	50	.64	.51	.38	
621-ES2A	ES2A	SMB	50	2	0.9	5	25	.64	.51	.38	
621-ES2B	ES2B	SMB	100	2	0.9	5	25	.68	.54	.41	
621-ES2C	ES2C	SMB	150	2	0.9	5	25	.72	.58	.43	
621-ES2D	ES2D	SMB	200	2	0.9	5	25	.76	.61	.46	
621-ES3AB	ES3AB	SMB	50	3	0.9	10	25	.89	.70	.54	
621-ES3BB	ES3BB	SMB	100	3	0.9	10	25	.84	.66	.51	
621-ES3CB	ES3CB	SMB	150	3	0.9	10	25	.89	.70	.54	
621-ES3DB	ES3DB	SMB	200	3	0.9	10	25	1.06	.83	.64	
621-ES3A	ES3A	SMC	50	3	0.9	10	25	.89	.70	.54	
621-ES3B	ES3B	SMC	100	3	0.9	10	25	.84	.66	.51	
621-ES3C	ES3C	SMC	150	3	0.9	10	25	.89	.70	.54	
621-ES3D	ES3D	SMC	200	3	0.9	10	25	1.06	.83	.64	

IODES INC. ZENER DIODES - SMD

Schematic for OD-123 / SOD-323





Schematic for SOT -23

For quantities of 500 and up, call for quote.

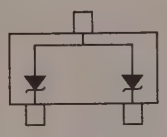
MOUSER STOCK NO.	Diodes Inc. Part No.	Case Type	Nom. Volt. (V)	Power Rating (W)	Test Curr. (mA)	Price Each 1	10	100	250
ZZ Series									
1-BZT52C2V4	BZT52C2V4	SOD-123	2.4	0.5	5	.43	.31	.22	.16
1-BZT52C2V7	BZT52C2V7	SOD-123	2.7	0.5	5	.43	.31	.22	.16
1-BZT52C3V0	BZT52C3V0	SOD-123	3	0.5	5	.43	.31	.22	.16
1-BZT52C3V3	BZT52C3V3	SOD-123	3.3	0.5	5	.43	.31	.22	.16
1-BZT52C3V6	BZT52C3V6	SOD-123	3.6	0.5	5	.47	.34	.24	.18
1-BZT52C3V9	BZT52C3V9	SOD-123	3.9	0.5	5	.43	.31	.22	.16
1-BZT52C4V3	BZT52C4V3	SOD-123	4.3	0.5	5	.43	.31	.22	.16
1-BZT52C4V7	BZT52C4V7	SOD-123	4.7	0.5	5	.43	.31	.22	.16
1-BZT52C5V1	BZT52C5V1	SOD-123	5.1	0.5	5	.43	.31	.22	.16
1-BZT52C5V6	BZT52C5V6	SOD-123	5.6	0.5	5	.43	.31	.22	.16
1-BZT52C6V2	BZT52C6V2	SOD-123	6.2	0.5	5	.43	.31	.22	.16
1-BZT52C6V8	BZT52C6V8	SOD-123	6.8	0.5	5	.43	.31	.22	.16
1-BZT52C7V5	BZT52C7V5	SOD-123	7.5	0.5	5	.43	.31	.22	.16
1-BZT52C8V2	BZT52C8V2	SOD-123	8.2	0.5	5	.43	.31	.22	.16
1-BZT52C9V1	BZT52C9V1	SOD-123	9.1	0.5	5	.43	.31	.22	.16
1-BZT52C10	BZT52C10	SOD-123	10	0.5	5	.43	.31	.22	.16
1-BZT52C11	BZT52C11	SOD-123	11	0.5	5	.43	.31	.22	.16
1-BZT52C12	BZT52C12	SOD-123	12	0.5	5	.43	.31	.22	.16
1-BZT52C15	BZT52C15	SOD-123	15	0.5	5	.43	.31	.22	.16
1-BZT52C16	BZT52C16	SOD-123	16	0.5	5	.47	.34	.24	.18
1-BZT52C18	BZT52C18	SOD-123	18	0.5	5	.43	.31	.22	.16
1-BZT52C20	BZT52C20	SOD-123	20	0.5	5	.43	.31	.22	.16
1-BZT52C24	BZT52C24	SOD-123	24	0.5	5	.43	.31	.22	.16
1-BZT52C27	BZT52C27	SOD-123	27	0.5	5	.43	.31	.22	.16
1-BZT52C33	BZT52C33	SOD-123	33	0.5	2	.43	.31	.22	.16
MSZ Series									
1-MMSZ5221B	MMSZ5221B	SOD-123	2.4	0.5	20	.43	.31	.22	.16
1-MMSZ5223B	MMSZ5223B	SOD-123	2.7	0.5	20	.43	.31	.22	.16
1-MMSZ5225B	MMSZ5225B	SOD-123	3	0.5	20	.43	.31	.22	.16
1-MMSZ5226B	MMSZ5226B	SOD-123	3.3	0.5	20	.43	.31	.22	.16
1-MMSZ5227B	MMSZ5227B	SOD-123	3.6	0.5	20	.43	.31	.22	.16
1-MMSZ5228B	MMSZ5228B	SOD-123	3.9	0.5	20	.43	.31	.22	.16
1-MMSZ5229B	MMSZ5229B	SOD-123	4.3	0.5	20	.43	.31	.22	.16
1-MMSZ5230B	MMSZ5230B	SOD-123	4.7	0.5	20	.43	.31	.22	.16
1-MMSZ5231B	MMSZ5231B	SOD-123	5.1	0.5	20	.43	.31	.22	.16
1-MMSZ5232B	MMSZ5232B	SOD-123	5.6	0.5	20	.43	.31	.22	.16
1-MMSZ5234B	MMSZ5234B	SOD-123	6.2	0.5	20	.43	.31	.22	.16
1-MMSZ5235B	MMSZ5235B	SOD-123	6.8	0.5	20	.43	.31	.22	.16
1-MMSZ5236B	MMSZ5236B	SOD-123	7.5	0.5	20	.43	.31	.22	.16
1-MMSZ5237B	MMSZ5237B	SOD-123	8.2	0.5	20	.43	.31	.22	.16
1-MMSZ5239B	MMSZ5239B	SOD-123	9.1	0.5	20	.43	.31	.22	.16
1-MMSZ5240B	MMSZ5240B	SOD-123	10	0.5	20	.43	.31	.22	.16
1-MMSZ5241B	MMSZ5241B	SOD-123	11	0.5	20	.43	.31	.22	.16
1-MMSZ5242B	MMSZ5242B	SOD-123	12	0.5	20	.43	.31	.22	.16
1-MMSZ5243B	MMSZ5243B	SOD-123	13	0.5	9.5	.43	.31	.22	.16
1-MMSZ5245B	MMSZ5245B	SOD-123	15	0.5	8.5	.43	.31	.22	.16
1-MMSZ5246B	MMSZ5246B	SOD-123	16	0.5	7.8	.43	.31	.22	.16
1-MMSZ5248B	MMSZ5248B	SOD-123	18	0.5	7	.43	.31	.22	.16
1-MMSZ5250B	MMSZ5250B	SOD-123	20	0.5	6.2	.43	.31	.22	.16
1-MMSZ5251B	MMSZ5251B	SOD-123	22	0.5	5.6	.43	.31	.22	.16
1-MMSZ5252B	MMSZ5252B	SOD-123	24	0.5	5.2	.43	.31	.22	.16
1-MMSZ5254B	MMSZ5254B	SOD-123	27	0.5	5	.43	.31	.22	.16
1-MMSZ5255B	MMSZ5255B	SOD-123	28	0.5	4.5	.43	.31	.22	.16
1-MMSZ5256B	MMSZ5256B	SOD-123	30	0.5	4.2	.43	.31	.22	.16
1-MMSZ5257B	MMSZ5257B	SOD-123	33	0.5	3.8	.43	.31	.22	.16
1-MMSZ5258B	MMSZ5258B	SOD-123	36	0.5	3.4	.43	.31	.22	.16
1-MMSZ5259B	MMSZ5259B	SOD-123	39	0.5	3.2	.43	.31	.22	.16
T Series									
1-BZT52C2V4S	BZT52C2V4S	SOD-323	2.4	0.2	5	.47	.34	.24	.18
1-BZT52C2V7S	BZT52C2V7S	SOD-323	2.7	0.2	5	.47	.34	.24	.18
1-BZT52C3V0S	BZT52C3V0S	SOD-323	3	0.2	5	.47	.34	.24	.18
1-BZT52C3V3S	BZT52C3V3S	SOD-323	3.3	0.2	5	.47	.34	.24	.18
1-BZT52C3V6S	BZT52C3V6S	SOD-323	3.6	0.2	5	.47	.34	.24	.18
1-BZT52C3V9S	BZT52C3V9S	SOD-323	3.9	0.2	5	.47	.34	.24	.18
1-BZT52C4V3S	BZT52C4V3S	SOD-323	4.3	0.2	5	.47	.34	.24	.18
1-BZT52C4V7S	BZT52C4V7S	SOD-323	4.7	0.2	5	.47	.34	.24	.18
1-BZT52C5V1S	BZT52C5V1S	SOD-323	5.1	0.2	5	.47	.34	.24	.18
1-BZT52C5V6S	BZT52C5V6S	SOD-323	5.6	0.2	5	.47	.34	.24	.18
1-BZT52C6V2S	BZT52C6V2S	SOD-323	6.2	0.2	5	.47	.34	.24	.18
1-BZT52C6V8S	BZT52C6V8S	SOD-323	6.8	0.2	5	.47	.34	.24	.18
1-BZT52C7V5S	BZT52C7V5S	SOD-323	7.5	0.2	5	.47	.34	.24	.18
1-BZT52C8V2S	BZT52C8V2S	SOD-323	8.2	0.2	5	.47	.34	.24	.18
1-BZT52C9V1S	BZT52C9V1S	SOD-323	9.1	0.2	5	.47	.34	.24	.18
1-BZT52C10S	BZT52C10S	SOD-323	10	0.2	5	.47	.34	.24	.18
1-BZT52C11S	BZT52C11S	SOD-323	11	0.2	5	.47	.34	.24	.18
1-BZT52C12S	BZT52C12S	SOD-323	12	0.2	5	.47	.34	.24	.18
1-BZT52C15S	BZT52C15S	SOD-323	15	0.2	5	.47	.34	.24	.18
1-BZT52C16S	BZT52C16S	SOD-323	16	0.2	5	.47	.34	.24	.18
1-BZT52C18S	BZT52C18S	SOD-323	18	0.2	5	.47	.34	.24	.18
1-BZT52C20S	BZT52C20S	SOD-323	20	0.2	5	.47	.34	.24	.18
1-BZT52C24S	BZT52C24S	SOD-323	24	0.2	5	.47	.34	.24	.18
1-BZT52C27S	BZT52C27S	SOD-323	27	0.2	2	.47	.34	.24	.18
1-BZT52C30S	BZT52C30S	SOD-323	30	0.2	2	.47	.34	.24	.18
1-BZT52C33S	BZT52C33S	SOD-323	33	0.2	2	.47	.34	.24	.18

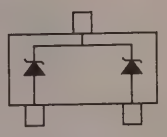
For quantities of 500 and up, call for quote.

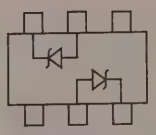
MOUSER STOCK NO.	Diodes Inc. Part No.	Case Type	Nom. Volt. (V)	Power Rating (W)	Test Curr. (mA)	Price Each 1	10	100	250
MMSZ Series									
621-MMSZ5221BS	MMSZ5221BS	SOD-323	2.4	0.2	20	.47	.34	.24	.18
621-MMSZ5225BS	MMSZ5225BS	SOD-323	3	0.2	20	.47	.34	.24	.18
621-MMSZ5226BS	MMSZ5226BS	SOD-323	3.3	0.2	20	.47	.34	.24	.18
621-MMSZ5227BS	MMSZ5227BS	SOD-323	3.6	0.2	20	.47	.34	.24	.18
621-MMSZ5228BS	MMSZ5228BS	SOD-323	3.9	0.2	20	.47	.34	.24	.18
621-MMSZ5229BS	MMSZ5229BS	SOD-323	4.3	0.2	20	.47	.34	.24	.18
621-MMSZ5230BS	MMSZ5230BS	SOD-323	4.7	0.2	20	.47	.34	.24	.18
621-MMSZ5231BS	MMSZ5231BS	SOD-323	5.1	0.2	20	.47	.34	.24	.18
621-MMSZ5232BS	MMSZ5232BS	SOD-323	5.6	0.2	20	.47	.34	.24	.18
621-MMSZ5234BS	MMSZ5234BS	SOD-323	6.2	0.2	20	.47	.34	.24	.18
621-MMSZ5235BS	MMSZ5235BS	SOD-323	6.8	0.2	20	.47	.34	.24	.18
621-MMSZ5236BS	MMSZ5236BS	SOD-323	7.5	0.2	20	.47	.34	.24	.18
621-MMSZ5237BS	MMSZ5237BS	SOD-323	8.2	0.2	20	.47	.34	.24	.18
621-MMSZ5239BS	MMSZ5239BS	SOD-323	9.1	0.2	20	.47	.34	.24	.18
621-MMSZ5240BS	MMSZ5240BS	SOD-323	10	0.2	20	.47	.34	.24	.18
621-MMSZ5241BS	MMSZ5241BS	SOD-323	11	0.2	20	.47	.34	.24	.18
621-MMSZ5242BS	MMSZ5242BS	SOD-323	12	0.2	20	.47	.34	.24	.18
621-MMSZ5243BS	MMSZ5243BS	SOD-323	13	0.2	9.5	.47	.34	.24	.18
621-MMSZ5245BS	MMSZ5245BS	SOD-323	15	0.2	8.5	.47	.34	.24	.18
621-MMSZ5248BS	MMSZ5248BS	SOD-323	18	0.2	7	.47	.34	.24	.18
621-MMSZ5250BS	MMSZ5250BS	SOD-323	20	0.2	6.2	.47	.34	.24	.18
621-MMSZ5251BS	MMSZ5251BS	SOD-323	22	0.2	5.6	.47	.34	.24	.18
621-MMSZ5252BS	MMSZ5252BS	SOD-323	24	0.2	5.2	.47	.34	.24	.18
621-MMSZ5254BS	MMSZ5254BS	SOD-323	27	0.2	5	.47	.34	.24	.18
621-MMSZ5255BS	MMSZ5255BS	SOD-323	28	0.2	4.5	.47	.34	.24	.18
621-MMSZ5256BS	MMSZ5256BS	SOD-323	30	0.2	4.2	.47	.34	.24	.18
BZX Series									
621-BZX84C2V4	BZX84C2V4	SOT-23	2.4	0.3	5	.44	.30	.21	.15
621-BZX84C2V7	BZX84C2V7	SOT-23	2.7	0.3	5	.44	.30	.21	.15
621-BZX84C3V0	BZX84C3V0	SOT-23	3	0.3	5	.44	.30	.21	.15
621-BZX84C3V3	BZX84C3V3	SOT-23	3.3	0.3	5	.44	.30	.21	.15
621-BZX84C3V6	BZX84C3V6	SOT-23	3.6	0.3	5	.44	.30	.21	.15
621-BZX84C3V9	BZX84C3V9	SOT-23	3.9	0.3	5	.44	.30	.21	.15
621-BZX84C4V3	BZX84C4V3	SOT-23	4.3	0.3	5	.44	.30	.21	.15
621-BZX84C5V1	BZX84C5V1	SOT-23	5.1	0.3	5	.44	.30	.21	.15
621-BZX84C5V6	BZX84C5V6	SOT-23	5.6	0.3	5	.44	.30	.21	.15
621-BZX84C6V2	BZX84C6V2	SOT-23	6.2	0.3	5	.44	.30	.21	.15
621-BZX84C6V8	BZX84C6V8	SOT-23	6.8	0.3	5	.44	.30	.21	.15
621-BZX84C7V5	BZX84C7V5	SOT-23	7.5	0.3	5	.44	.30	.21	.15
621-BZX84C8V2	BZX84C8V2	SOT-23	8.2	0.3	5	.44	.30	.21	.15
621-BZX84C9V1	BZX84C9V1	SOT-23	9.1	0.3	5	.44	.30	.21	.15
621-BZX84C10	BZX84C10	SOT-23	10	0.3	5	.44	.30	.21	.15
621-BZX84C12	BZX84C12	SOT-23	12	0.3	5	.44	.30	.21	.15
621-BZX84C13	BZX84C13	SOT-23	13	0.3	5	.44	.30	.21	.15
621-BZX84C15	BZX84C15	SOT-23	15	0.3	5	.44	.30	.21	.15
621-BZX84C16	BZX84C16	SOT-23	16	0.3	5	.44	.30	.21	.15
621-BZX84C18	BZX84C18	SOT-23	18	0.3	5	.44	.30	.21	.15
621-BZX84C20	BZX84C20	SOT-23	20	0.3	5	.44	.30	.21	.15
621-BZX84C22	BZX84C22	SOT-23	22	0.3	5	.44	.30	.21	.15
621-BZX84C24	BZX84C24	SOT-23	24	0.3	5	.44	.30	.21	.15
621-BZX84C27	BZX84C27	SOT-23	27	0.3	2	.44	.30	.21	.15
621-BZX84C30	BZX84C30	SOT-23	30	0.3	2	.44	.30	.21	.15
621-BZX84C33	BZX84C33	SOT-23	33	0.3	2	.44	.30	.21	.15
621-BZX84C36	BZX84C36	SOT-23	36	0.3	2	.44	.30	.21	.15
621-BZX84C39	BZX84C39	SOT-23	39	0.3	2	.44	.30	.21	.15
MMBZ Series									
621-MMBZ10VAL	MMBZ10VAL	SOT-23	10	0.225	1	.50	.40	.30	.23
621-MMBZ15VAL	MMBZ15VAL	SOT-23	15	0.225	1	.50	.40	.30	.23
621-MMBZ18VAL	MMBZ18VAL	SOT-23	18	0.225	1	.50	.40	.30	.23
621-MMBZ20VAL	MMBZ20VAL	SOT-23	20	0.225	1	.50	.40	.30	.23
621-MMBZ27VAL	MMBZ27VAL	SOT-23	27	0.225	1	.50	.40	.30	.23
621-MMBZ33VAL	MMBZ33VAL	SOT-23	33	0.225	1	.50	.40	.30	.23
621-MMBZ5241B	MMBZ5241B	SOT-23	24	0.225	1	.44	.30	.21	.15
621-MMBZ5V6AL	MMBZ5V6AL	SOT-23	5.6	0.225	1	.50	.40	.30	.23
621-MMBZ6V8AL	MMBZ6V8AL	SOT-23	6.8	0.225	1	.50	.40	.30	.23
621-MMBZ9V1AL	MMBZ9V1AL	SOT-23	9.1	0.225	1	.50	.40	.30	.23
621-MMBZ5221B	MMBZ5221B	SOT-23	2.4	0.35	20	.44	.30	.21	.15
621-MMBZ5226B	MMBZ5226B	SOT-23	3.3	0.35	20	.44	.30	.21	.15
621-MMBZ5227B	MMBZ5227B	SOT-23	3.6	0.35	20	.44	.30	.21	.15
621-MMBZ5228B	MMBZ5228B	SOT-23	3.9	0.35	20	.44	.30	.21	.15
621-MMBZ5229B	MMBZ5229B	SOT-23	4.3	0.35	20	.44	.30	.21	.15
621-MMBZ5230B	MMBZ5230B	SOT-23	4.7	0.35	20	.44	.30	.21	.15
621-MMBZ5231B	MMBZ5231B	SOT-23	5.1	0.35	20	.44	.30	.21	.15
621-MMBZ5232B	MMBZ5232B	SOT-23	5.6	0.35	20	.44	.30	.21	.15
621-MMBZ5234B	MMBZ5234B	SOT-23	6.2	0.35	20	.44	.30	.21	.15
621-MMBZ5235B	MMBZ5235B	SOT-23	6.8	0.35	20	.44	.30	.21	.15
621-MMBZ5236B	MMBZ5236B	SOT-23	7.5	0.35	20	.44	.30	.21	.15
621-MMBZ5237B	MMBZ5237B	SOT-23	8.2	0.35	20	.44	.30	.21	.15
621-MMBZ5239B	MMBZ5239B	SOT-23	9.1	0.35	20	.44	.30	.21	.15
621-MMBZ5240B	MMBZ5240B	SOT-23	10	0.35	20	.44	.30	.21	.15
621-MMBZ5242B	MMBZ5242B	SOT-23	12	0.35	20	.44	.30	.21	.15
621-MMBZ5243B	MMBZ5243B	SOT-23	13	0.35	9.5	.44	.30	.21	.15
621-MMBZ5245B	MMBZ5245B	SOT-23	15	0.35	8.5	.44	.30	.21	.15
621-MMBZ5246B	MMBZ5246B	SOT-23	16	0.35	7.8	.44	.30	.21	.15
621-MMBZ5248B	MMBZ5248B	SOT-23	18	0.35	7	.44	.30	.21	.15
621-MMBZ5252B	MMBZ5252B	SOT-23	24	0.35	5.2	.44	.30	.21	.15
621-MMBZ5254B	MMBZ5254B	SOT-23	27	0.35	5	.44	.30	.21	.15
621-MMBZ5255B	MMBZ5255B	SOT-23	28	0.35	4.5	.44	.30	.21	.15
621-MMBZ5256B	MMBZ5256B	SOT-23	30	0.35	4.2	.44	.30	.21	.15
621-MMBZ5257B	MMBZ5257B	SOT-23	33	0.35	3.8	.44	.30	.21	.15
621-MMBZ5258B	MMBZ5258B	SOT-23	36	0.35	3.4	.44	.30	.21	.15

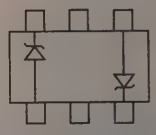
DIODES INC. Zener Diodes

SOT-323


SOT-23
Common Anode


SOT-23
Common Cathode


SOT-363
BZX Configuration
Dual Isolated


SOT-363
MMBZ Configuration
Dual Isolated

DIODES INC. ZENER DIODES - SMD (CONT.)

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Diodes Inc. Part No.	Case Type	Nom. Voltage (V)	Power Rating (W)	Test Current (mA)	Price Each 1	10	100	250
BZX Series									
621-BZX84C2V4W	BZX84C2V4W	SOT-323	2.4	0.2	5	.38	.28	.20	.14
621-BZX84C2V7W	BZX84C2V7W	SOT-323	2.7	0.2	5	.38	.28	.20	.14
621-BZX84C3V0W	BZX84C3V0W	SOT-323	3	0.2	5	.38	.28	.20	.14
621-BZX84C3V3W	BZX84C3V3W	SOT-323	3.3	0.2	5	.38	.28	.20	.14
621-BZX84C3V6W	BZX84C3V6W	SOT-323	3.6	0.2	5	.38	.28	.20	.14
621-BZX84C3V9W	BZX84C3V9W	SOT-323	3.9	0.2	5	.38	.28	.20	.14
621-BZX84C4V7W	BZX84C4V7W	SOT-323	4.7	0.2	5	.38	.28	.20	.14
621-BZX84C5V1W	BZX84C5V1W	SOT-323	5.1	0.2	5	.38	.28	.20	.14
621-BZX84C5V6W	BZX84C5V6W	SOT-323	5.6	0.2	5	.38	.28	.20	.14
621-BZX84C6V2W	BZX84C6V2W	SOT-323	6.2	0.2	5	.38	.28	.20	.14
621-BZX84C6V8W	BZX84C6V8W	SOT-323	6.8	0.2	5	.38	.28	.20	.14
621-BZX84C7V5W	BZX84C7V5W	SOT-323	7.5	0.2	5	.38	.28	.20	.14
621-BZX84C8V2W	BZX84C8V2W	SOT-323	8.2	0.2	5	.38	.28	.20	.14
621-BZX84C9V1W	BZX84C9V1W	SOT-323	9.1	0.2	5	.38	.28	.20	.14
621-BZX84C10W	BZX84C10W	SOT-323	10	0.2	5	.38	.28	.20	.14
621-BZX84C12W	BZX84C12W	SOT-323	12	0.2	5	.38	.28	.20	.14
621-BZX84C15W	BZX84C15W	SOT-323	15	0.2	5	.38	.28	.20	.14
621-BZX84C16W	BZX84C16W	SOT-323	16	0.2	5	.38	.28	.20	.14
621-BZX84C18W	BZX84C18W	SOT-323	18	0.2	5	.38	.28	.20	.14
621-BZX84C20W	BZX84C20W	SOT-323	20	0.2	5	.38	.28	.20	.14
621-BZX84C22W	BZX84C22W	SOT-323	22	0.2	5	.38	.28	.20	.14
621-BZX84C30W	BZX84C30W	SOT-323	30	0.2	2	.38	.28	.20	.14
MMBZ Series									
621-MMBZ5221BW	MMBZ5221BW	SOT-323	2.4	0.2	20	.38	.28	.20	.14
621-MMBZ5225BW	MMBZ5225BW	SOT-323	3	0.2	20	.38	.28	.20	.14
621-MMBZ5226BW	MMBZ5226BW	SOT-323	3.3	0.2	20	.38	.28	.20	.14
621-MMBZ5227BW	MMBZ5227BW	SOT-323	3.6	0.2	20	.38	.28	.20	.14
621-MMBZ5228BW	MMBZ5228BW	SOT-323	3.9	0.2	20	.38	.28	.20	.14
621-MMBZ5230BW	MMBZ5230BW	SOT-323	4.7	0.2	20	.38	.28	.20	.14
621-MMBZ5231BW	MMBZ5231BW	SOT-323	5.1	0.2	20	.38	.28	.20	.14
621-MMBZ5232BW	MMBZ5232BW	SOT-323	5.6	0.2	20	.38	.28	.20	.14
621-MMBZ5235BW	MMBZ5235BW	SOT-323	6.8	0.2	20	.38	.28	.20	.14
621-MMBZ5242BW	MMBZ5242BW	SOT-323	12	0.2	20	.38	.28	.20	.14
621-MMBZ5245BW	MMBZ5245BW	SOT-323	15	0.2	8.5	.38	.28	.20	.14
621-MMBZ5246BW	MMBZ5246BW	SOT-323	16	0.2	7.8	.38	.28	.20	.14
621-MMBZ5250BW	MMBZ5250BW	SOT-323	20	0.2	6.2	.38	.28	.20	.14
621-MMBZ5252BW	MMBZ5252BW	SOT-323	24	0.2	5.2	.38	.28	.20	.14
621-MMBZ5258BW	MMBZ5258BW	SOT-323	36	0.2	3.4	.38	.28	.20	.14

DIODES INC. DUAL SURFACE MOUNT ZENER DIODES

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Diodes Inc. Part No.	Case Type	Nom. Voltage (V)	Power Rating (W)	Test Current (mA)	Price Each 1	10	100	250
Dual Surface Mount - Common Anode									
621-AZ23C3V0	AZ23C3V0	SOT-23	3	0.3	5	.50	.40	.30	.2
621-AZ23C3V9	AZ23C3V9	SOT-23	3.9	0.3	5	.50	.40	.30	.2
621-AZ23C4V7	AZ23C4V8	SOT-23	4.7	0.3	5	.50	.40	.30	.2
621-AZ23C5V1	AZ23C5V1	SOT-23	5.1	0.3	5	.50	.40	.30	.2
621-AZ23C5V6	AZ23C5V6	SOT-23	5.6	0.3	5	.50	.40	.30	.2
621-AZ23C6V2	AZ23C6V2	SOT-23	6.2	0.3	5	.50	.40	.30	.2
621-AZ23C6V8	AZ23C6V8	SOT-23	6.8	0.3	5	.50	.40	.30	.2
621-AZ23C10	AZ23C10	SOT-23	10	0.3	5	.50	.40	.30	.2
621-AZ23C12	AZ23C12	SOT-23	12	0.3	5	.50	.40	.30	.2
621-AZ23C15	AZ23C15	SOT-23	15	0.3	5	.50	.40	.30	.2
621-AZ23C16	AZ23C16	SOT-23	16	0.3	5	.50	.40	.30	.2
621-AZ23C20	AZ23C20	SOT-23	20	0.3	5	.50	.40	.30	.2
621-AZ23C22	AZ23C22	SOT-23	22	0.3	5	.50	.40	.30	.2
621-AZ23C27	AZ23C27	SOT-23	27	0.3	5	.50	.40	.30	.2
621-AZ23C36	AZ23C36	SOT-23	36	0.3	5	.50	.40	.30	.2
Dual Surface Mount - Common Cathode									
621-DZ23C3V0	DZ23C3V0	SOT-23	3	0.3	5	.45	.36	.27	.2
621-DZ23C3V3	DZ23C3V3	SOT-23	3.3	0.3	5	.45	.36	.27	.2
621-DZ23C3V6	DZ23C3V6	SOT-23	3.6	0.3	5	.45	.36	.27	.2
621-DZ23C3V9	DZ23C3V9	SOT-23	3.9	0.3	5	.45	.36	.27	.2
621-DZ23C4V3	DZ23C4V4	SOT-23	4.3	0.3	5	.45	.36	.27	.2
621-DZ23C5V1	DZ23C5V1	SOT-23	5.1	0.3	5	.45	.36	.27	.2
621-DZ23C5V6	DZ23C5V6	SOT-23	5.6	0.3	5	.45	.36	.27	.2
621-DZ23C6V2	DZ23C6V2	SOT-23	6.2	0.3	5	.45	.36	.27	.2
621-DZ23C6V8	DZ23C6V8	SOT-23	6.8	0.3	5	.45	.36	.27	.2
621-DZ23C7V5	DZ23C7V6	SOT-23	7.5	0.3	5	.45	.36	.27	.2
621-DZ23C8V2	DZ23C8V3	SOT-23	8.2	0.3	5	.45	.36	.27	.2
621-DZ23C9V1	DZ23C9V2	SOT-23	9.1	0.3	5	.45	.36	.27	.2
621-DZ23C10	DZ23C10	SOT-23	10	0.3	5	.45	.36	.27	.2
621-DZ23C12	DZ23C12	SOT-23	12	0.3	5	.45	.36	.27	.2
621-DZ23C15	DZ23C15	SOT-23	15	0.3	5	.45	.36	.27	.2
621-DZ23C27	DZ23C27	SOT-23	27	0.3	5	.45	.36	.27	.2

DIODES INC. Zener Diodes and Rectifiers

IODES INC. DUAL ISOLATED ZENER DIODES (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Case Type	Nom. Volt. (V)	Power Rating (W)	Test Current (mA)	Price Each 1	10	100	250
ZX Series - Dual Isolated									
21-BZX84C2V4S	BZX84C2V4S	SOT-363	2.4	0.2	5	.43	.31	.22	.16
21-BZX84C2V7S	BZX84C2V7S	SOT-363	2.7	0.2	5	.43	.31	.22	.16
21-BZX84C3V0S	BZX84C3V0S	SOT-363	3	0.2	5	.43	.31	.22	.16
21-BZX84C3V3S	BZX84C3V3S	SOT-363	3.3	0.2	5	.43	.31	.22	.16
21-BZX84C3V6S	BZX84C3V6S	SOT-363	3.6	0.2	5	.43	.31	.22	.16
21-BZX84C5V1S	BZX84C5V1S	SOT-363	5.1	0.2	5	.43	.31	.22	.16
21-BZX84C5V6S	BZX84C5V6S	SOT-363	5.6	0.2	5	.43	.31	.22	.16
21-BZX84C6V2S	BZX84C6V2S	SOT-363	6.2	0.2	5	.43	.31	.22	.16
21-BZX84C8V2S	BZX84C8V2S	SOT-363	8.2	0.2	5	.43	.31	.22	.16
21-BZX84C9V1S	BZX84C9V1S	SOT-363	9.1	0.2	5	.43	.31	.22	.16
21-BZX84C12S	BZX84C12S	SOT-363	12	0.2	5	.43	.31	.22	.16
21-BZX84C15S	BZX84C15S	SOT-363	15	0.2	5	.43	.31	.22	.16
21-BZX84C22S	BZX84C22S	SOT-363	22	0.2	5	.43	.31	.22	.16
21-BZX84C24S	BZX84C24S	SOT-363	24	0.2	5	.43	.31	.22	.16
21-BZX84C27S	BZX84C27S	SOT-363	27	0.2	2	.43	.31	.22	.16
21-BZX84C30S	BZX84C30S	SOT-363	30	0.2	2	.43	.31	.22	.16
21-BZX84C33S	BZX84C33S	SOT-363	33	0.2	2	.43	.31	.22	.16
21-BZX84C39S	BZX84C39S	SOT-363	39	0.2	2	.43	.31	.22	.16
MBZ Series - Dual Isolated									
21-MMBZ5221BS	MMBZ5221BS	SOT-363	2.4	0.2	20	.43	.31	.22	.16
21-MMBZ5227BS	MMBZ5227BS	SOT-363	3.6	0.2	20	.43	.31	.22	.16
21-MMBZ5230BS	MMBZ5230BS	SOT-363	4.7	0.2	20	.43	.31	.22	.16
21-MMBZ5232BS	MMBZ5232BS	SOT-363	5.6	0.2	20	.43	.31	.22	.16
21-MMBZ5234BS	MMBZ5234BS	SOT-363	6.2	0.2	20	.43	.31	.22	.16
21-MMBZ5235BS	MMBZ5235BS	SOT-363	6.8	0.2	20	.43	.31	.22	.16
21-MMBZ5236BS	MMBZ5236BS	SOT-363	7.5	0.2	20	.43	.31	.22	.16
21-MMBZ5240BS	MMBZ5240BS	SOT-363	10	0.2	20	.43	.31	.22	.16
21-MMBZ5241BS	MMBZ5241BS	SOT-363	11	0.2	20	.43	.31	.22	.16
21-MMBZ5242BS	MMBZ5242BS	SOT-363	12	0.2	20	.43	.31	.22	.16
21-MMBZ5245BS	MMBZ5245BS	SOT-363	15	0.2	8.5	.43	.31	.22	.16
21-MMBZ5246BS	MMBZ5246BS	SOT-363	16	0.2	7.8	.43	.31	.22	.16
21-MMBZ5248BS	MMBZ5248BS	SOT-363	18	0.2	7	.43	.31	.22	.16
21-MMBZ5250BS	MMBZ5250BS	SOT-363	20	0.2	6.2	.43	.31	.22	.16
21-MMBZ5255BS	MMBZ5255BS	SOT-363	28	0.2	4.5	.43	.31	.22	.16
21-MMBZ5256BS	MMBZ5256BS	SOT-363	30	0.2	4.2	.43	.31	.22	.16
21-MMBZ5258BS	MMBZ5258BS	SOT-363	36	0.2	3.4	.43	.31	.22	.16
MA Series									
21-SMAZ5V1	SMAZ5V1	SMA	5.1	1.0	100	.52	.40	.29	.22
21-SMAZ5V6	SMAZ5V6	SMA	5.6	1.0	100	.52	.40	.29	.22
21-SMAZ6V8	SMAZ6V8	SMA	6.8	1.0	100	.52	.40	.29	.22
21-SMAZ7V5	SMAZ7V5	SMA	7.5	1.0	100	.52	.40	.29	.22
21-SMAZ12	SMAZ12	SMA	12	1.0	50	.52	.40	.29	.22
21-SMAZ15	SMAZ15	SMA	15	1.0	50	.52	.40	.29	.22
21-SMAZ20	SMAZ20	SMA	20	1.0	25	.52	.40	.29	.22
21-SMAZ24	SMAZ24	SMA	24	1.0	25	.52	.40	.29	.22
21-SMAZ30	SMAZ30	SMA	30	1.0	25	.52	.40	.29	.22
21-SMAZ36	SMAZ36	SMA	36	1.0	10	.52	.40	.29	.22

IODES INC. SILICON GLASS PASSIVATED RECTIFIERS

For quantities of 500 and up, call for quote.

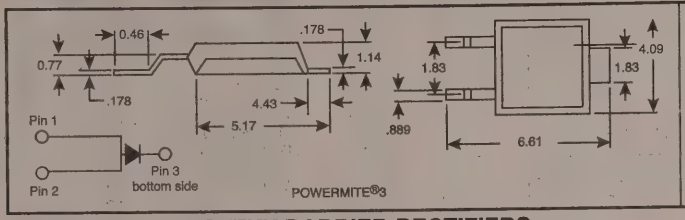
MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifing Current (A)	V_{RRM} (Max)	Max Surge Current (A)	Max Forward Voltage Peak	Operating Temperature	Price Each 1	10	100	250
21-S1AB	S1AB	SMB	1	50	30	1.10	-65°C to +150°C	.43	.31	.22	.16
21-S1BB	S1BB	SMB	1	100	30	1.10	-65°C to +150°C	.44	.33	.23	.17
21-S1DB	S1DB	SMB	1	200	30	1.10	-65°C to +150°C	.46	.34	.24	.17
21-S1GB	S1GB	SMB	1	400	30	1.10	-65°C to +150°C	.48	.35	.25	.18
21-S1JB	S1JB	SMB	1	600	30	1.10	-65°C to +150°C	.49	.36	.26	.19
21-S1KB	S1KB	SMB	1	800	30	1.10	-65°C to +150°C	.39	.30	.22	.16
21-S1MB	S1MB	SMB	1	1000	30	1.10	-65°C to +150°C	.44	.34	.24	.18
21-S1A	S1A	SMA	1	50	30	1.00	-65°C to +150°C	.47	.32	.22	.16
21-S1B	S1B	SMA	1	100	30	1.00	-65°C to +150°C	.48	.33	.23	.17
21-S1D	S1D	SMA	1	200	30	1.00	-65°C to +150°C	.38	.28	.20	.14
21-S1G	S1G	SMA	1	400	30	1.00	-65°C to +150°C	.39	.29	.20	.15
21-S1J	S1J	SMA	1	600	30	1.00	-65°C to +150°C	.41	.30	.21	.15
21-S1K	S1K	SMA	1	800	30	1.00	-65°C to +150°C	.47	.34	.24	.18
21-S1M	S1M	SMA	1	1000	30	1.00	-65°C to +150°C	.41	.32	.23	.17
21-S2AA	S2AA	SMA	1.5	50	50	1.15	-65°C to +150°C	.39	.30	.22	.16
21-S2BA	S2BA	SMA	1.5	100	50	1.15	-65°C to +150°C	.39	.30	.22	.16
21-S2DA	S2DA	SMA	1.5	200	50	1.15	-65°C to +150°C	.39	.30	.22	.16
21-S2GA	S2GA	SMA	1.5	400	50	1.15	-65°C to +150°C	.39	.30	.22	.16
21-S2JA	S2JA	SMA	1.5	600	50	1.15	-65°C to +150°C	.46	.35	.25	.19
21-S2MA	S2MA	SMA	1.5	1000	50	1.15	-65°C to +150°C	.46	.35	.25	.19
21-S2A	S2A	SMB	1.5	50	30	1.50	-65°C to +150°C	.43	.31	.22	.16
21-S2B	S2B	SMB	1.5	100	30	1.50	-65°C to +150°C	.43	.31	.22	.16
21-S2D	S2D	SMB	1.5	200	30	1.50	-65°C to +150°C	.43	.31	.22	.16
21-S2G	S2G	SMB	1.5	400	30	1.50	-65°C to +150°C	.43	.31	.22	.16
21-S2J	S2J	SMB	1.5	600	30	1.50	-65°C to +150°C	.39	.30	.22	.16
21-S2K	S2K	SMB	1.5	800	30	1.50	-65°C to +150°C	.39	.30	.22	.16
21-S2M	S2M	SMB	1.5	1000	30	1.50	-65°C to +150°C	.39	.30	.22	.16
21-S3AB	S3AB	SMB	3	50	100	1.15	-65°C to +150°C	.65	.52	.39	.29
21-S3BB	S3BB	SMB	3	100	100	1.15	-65°C to +150°C	.65	.52	.39	.29
21-S3DB	S3DB	SMB	3	200	100	1.15	-65°C to +150°C	.65	.52	.39	.29
21-S3GB	S3GB	SMB	3	400	100	1.15	-65°C to +150°C	.65	.52	.39	.29
21-S3JB	S3JB	SMB	3	600	100	1.15	-65°C to +150°C	.68	.54	.41	.32
21-S3KB	S3KB	SMB	3	800	100	1.15	-65°C to +150°C	.68	.54	.41	.32
21-S3MB	S3MB	SMB	3	1000	100	1.15	-65°C to +150°C	.68	.54	.41	.32
21-S3A	S3A	SMC	3	50	100	1.15	-65°C to +150°C	.70	.56	.42	.32
21-S3B	S3B	SMC	3	100	100	1.15	-65°C to +150°C	.70	.56	.42	.32
21-S3D	S3D	SMC	3	200	100	1.15	-65°C to +150°C	.70	.56	.42	.32
21-S3G	S3G	SMC	3	400	100	1.15	-65°C to +150°C	.70	.56	.42	.32

DIODES INC. Rectifiers

DIODES INC. SILICON GLASS PASSIVATED RECTIFIERS (CONT.)

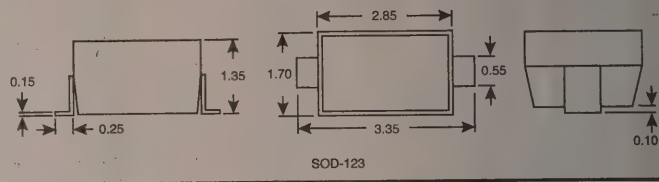
For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifing Current (A)	V_{RRM} (Max)	Max Surge Current (A)	Max Forward Voltage Peak	Operating Temperature	Price Each 1	10	100	250
621-S3J	S3J	SMC	3	600	100	1.15	-65°C to +150°C	.72	.58	.43	.34
621-S3K	S3K	SMC	3	800	100	1.15	-65°C to +150°C	.72	.58	.43	.34
621-S3M	S3M	SMC	3	1000	100	1.15	-65°C to +150°C	.72	.58	.43	.34
621-S5AC	S5AC	SMC	5	50	100	1.15	-65°C to +150°C	.64	.51	.38	.30
621-S5BC	S5BC	SMC	5	100	100	1.15	-65°C to +150°C	.68	.54	.41	.32
621-S5DC	S5DC	SMC	5	200	100	1.15	-65°C to +150°C	.72	.58	.43	.34
621-S5GC	S5GC	SMC	5	400	100	1.15	-65°C to +150°C	.80	.64	.48	.38
621-S5JC	S5JC	SMC	5	600	100	1.15	-65°C to +150°C	.84	.67	.50	.40
621-S5KC	S5KC	SMC	5	800	100	1.15	-65°C to +150°C	.92	.74	.55	.44
621-S5MC	S5MC	SMC	5	1000	100	1.15	-65°C to +150°C	.83	.65	.50	.42



POWERMITE®3

DIMENSIONS (mm



SOD-123

DIODES INC. SCHOTTKY BARRIER RECTIFIERS

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifing Current (A)	V_{RRM} (Max)	Max Surge Current (A)	Max Forward Voltage Peak	Temperature (°C)	Price Each 1	10	100	250
621-SB1100T	SB1100-T	DO-41	1	100	25	0.80	-55 to +150	.55	.44	.33	.25
621-SB5100T	SB5100-T	DO-201AD	5	100	150	0.80	-55 to +150	1.12	.88	.68	.56
621-B120	B120	SMA	1	20	30	0.50	-55 to +150	.55	.44	.33	.25
621-B130	B130	SMA	1	30	30	0.50	-55 to +150	.58	.46	.35	.26
621-B130L	B130L	SMA	1	30	25	0.41	-55 to +150	.68	.54	.41	.31
621-B140	B140	SMA	1	40	30	0.50	-55 to +150	.60	.48	.36	.27
621-B150	B150	SMA	1	50	30	0.70	-55 to +150	.62	.50	.37	.28
621-B160	B160	SMA	1	60	30	0.70	-55 to +150	.76	.61	.46	.35
621-B180	B180	SMA	1	80	30	0.79	-55 to +150	.80	.64	.48	.36
621-B1100	B1100	SMA	1	100	30	0.79	-55 to +150	.84	.67	.50	.40
621-B220A	B220A	SMA	2	20	50	0.50	-55 to +150	.76	.61	.46	.35
621-B230A	B230A	SMA	2	30	50	0.50	-55 to +150	.82	.66	.49	.37
621-B240A	B240A	SMA	2	40	50	0.50	-55 to +150	.86	.69	.52	.40
621-B250A	B250A	SMA	2	50	50	0.70	-55 to +150	.90	.72	.54	.41
621-B260A	B260A	SMA	2	60	50	0.70	-55 to +150	.96	.77	.58	.44
621-B320A	B320A	SMA	3	20	100	0.50	-55 to +150	.96	.77	.58	.44
621-B330A	B330A	SMA	3	30	100	0.50	-55 to +150	.83	.65	.50	.40
621-B340A	B340A	SMA	3	40	100	0.50	-55 to +150	.86	.68	.52	.40
621-B340LA	B340LA	SMA	3	40	70	0.35	-55 to +150	.86	.68	.52	.40
621-B350A	B350A	SMA	3	50	100	0.70	-55 to +150	1.06	.83	.64	.50
621-B360A	B360A	SMA	3	60	100	0.70	-55 to +150	1.16	.91	.70	.55
621-B120B	B120B	SMB	1	20	30	0.50	-55 to +150	.63	.50	.38	.29
621-B130B	B130B	SMB	1	30	30	0.50	-55 to +150	.65	.52	.39	.29
621-B130LB	B130LB	SMB	1	30	40	0.445	-55 to +150	.70	.56	.42	.32
621-B140HB	B140HB	SMB	1	40	45	0.53	-55 to +150	.73	.58	.44	.33
621-B140B	B140B	SMB	1	40	30	0.50	-55 to +150	.68	.54	.41	.31
621-B150B	B150B	SMB	1	50	30	0.50	-55 to +150	.70	.56	.42	.32
621-B160B	B160B	SMB	1	60	30	0.70	-55 to +150	.84	.67	.50	.40
621-B180B	B180B	SMB	1	80	30	0.79	-55 to +150	.88	.70	.53	.40
621-B1100B	B1100B	SMB	1	100	30	0.79	-55 to +150	.92	.74	.55	.41
621-B1100LB	B1100LB	SMB	1	100	50	0.75	-55 to +150	.83	.65	.50	.40
621-B220	B220	SMB	2	20	50	0.50	-55 to +150	.84	.67	.50	.40
621-B230	B230	SMB	2	30	50	0.50	-55 to +150	.90	.72	.54	.41
621-B240	B240	SMB	2	40	50	0.50	-55 to +150	.96	.77	.58	.44
621-B250	B250	SMB	2	50	50	0.70	-55 to +150	.83	.65	.50	.40
621-B260	B260	SMB	2	60	50	0.70	-55 to +150	.89	.70	.54	.40
621-B290	B290	SMB	2	90	50	0.79	-55 to +150	.99	.78	.60	.45
621-B2100	B2100	SMB	2	100	50	0.79	-55 to +150	1.02	.81	.62	.47
621-B320B	B320B	SMC	3	20	100	0.50	-55 to +150	.89	.70	.54	.40
621-B330B	B330B	SMC	3	30	100	0.50	-55 to +150	.92	.73	.56	.42
621-B340B	B340B	SMC	3	40	100	0.50	-55 to +150	.96	.75	.58	.43
621-B340LB	B340LB	SMC	3	40	70	0.45	-55 to +150	.96	.75	.58	.43
621-B350B	B350B	SMC	3	50	100	0.70	-55 to +150	1.19	.94	.72	.53
621-B360B	B360B	SMC	3	60	100	0.50	-55 to +150	1.29	1.01	.78	.58
621-B320	B320	SMC	3	20	100	0.50	-55 to +150	.99	.78	.60	.45
621-B330	B330	SMC	3	30	100	0.50	-55 to +150	1.02	.81	.62	.47
621-B340	B340	SMC	3	40	100	0.50	-55 to +150	1.09	.86	.66	.49
621-B360	B360	SMC	3	60	100	0.70	-55 to +150	1.45	1.14	.88	.65
621-B370	B370	SMC	3	70	100	0.79	-55 to +150	1.49	1.17	.90	.67
621-B380	B380	SMC	3	80	100	0.79	-55 to +150	1.52	1.20	.92	.68
621-B3100	B3100	SMC	3	100	100	0.79	-55 to +150	1.58	1.25	.96	.71
621-B520C	B520C	SMC	5	20	175	0.55	-55 to +150	1.16	.91	.70	.52
621-B530C	B530C	SMC	5	30	175	0.55	-55 to +150	1.22	.96	.74	.55
621-B540C	B540C	SMC	5	40	175	0.55	-55 to +150	1.29	1.01	.78	.58
621-B550C	B550C	SMC	5	50	175	0.70	-55 to +150	1.42	1.12	.86	.64
621-B560C	B560C	SMC	5	60	175	0.70	-55 to +150	1.55	1.22	.94	.70
621-MBRM360	MBRM360	Powermite®3	3	60	50	0.63	-55 to +150	1.06	.83	.64	.47
621-MBRM560	MBRM560	Powermite®3	5	60	100	0.69	-55 to +150	1.50	1.30	1.00	.74
621-MBRM3100	MBRM3100	Powermite®3	3	100	50	0.80	-55 to +150	1.73	1.50	1.15	.85
621-MBRM5100	MBRM5100	Powermite®3	5	100	100	0.81	-55 to +150	1.32	1.04	.80	.59
621-B0520LW	B0520LW	SOD-123	0.5	20	5.5	0.30	-55 to +150	.50	.40	.30	.22
621-B0530W	B0530W	SOD-123	0.5	30	5.5	0.38	-55 to +150	.50	.40	.30	.22
621-B0540W	B0540W	SOD-123	0.5	40	5.5	0.51	-55 to +150	.50	.40	.30	.22
621-B130LAW	B130LAW	SOD-123	1	30	12	0.42	-55 to +150	.68	.54	.41	.30
621-1N5819HW	1N5819HW	SOD-123	1	40	25	0.32	-55 to +150	.72	.58	.43	.32

DIODES INC. Leaded Rectifiers

eneral Purpose

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current (A)	V_{RRM} (Max)	Max Surge Current (A)	Operating Temperature	Price Each 1	10	100	250
1-1N4001	1N4001	DO-41	1A	50	30	-65°C to +175°C	.26	.14	.08	.06
1-1N4004	1N4004	DO-41	1A	400	30	-65°C to +175°C	.26	.14	.08	.06
1-1N4007	1N4007	DO-41	1A	1000	30	-65°C to +175°C	.26	.14	.08	.06
1-1N5404	1N5404	DO-201AD	3A	400	200	-65°C to +175°C	.41	.28	.20	.16
1-1N5408	1N5408	DO-201AD	3A	1000	200	-65°C to +175°C	.41	.28	.20	.16
1-6A1	6A1	D-6	6A	100	400	-65°C to +175°C	.48	.38	.29	.22
1-6A4	6A4	D-6	6A	400	400	-65°C to +175°C	.48	.38	.29	.22
1-6A10	6A10	D-6	6A	1000	400	-65°C to +175°C	.48	.38	.29	.22

ass Passivated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current (A)	V_{RRM} (Max)	Max Surge Current (A)	Operating Temperature	Price Each 1	10	100	250
1-DL4001	DL4001	MELF	1A	50	30	-65°C to +175°C	.43	.30	.21	.15
1-DL4004	DL4004	MELF	1A	400	30	-65°C to +175°C	.43	.30	.21	.15
1-D4G	D4G	T-1	1A	400	30	-65°C to +175°C	.41	.28	.20	.16
1-DL4007	DL4007	MELF	1A	1000	30	-65°C to +175°C	.46	.32	.22	.16

per Fast

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current (A)	V_{RRM} (Max)	Max Surge Current (A)	Operating Temperature	Price Each 1	10	100	250
1-MUR120	MUR120	DO-41	1A	200	35	-65°C to +175°C	.66	.51	.38	.28
1-MUR140	MUR140	DO-41	1A	400	35	-65°C to +175°C	.66	.51	.38	.28
1-MUR160	MUR160	DO-41	1A	600	35	-65°C to +175°C	.67	.53	.40	.30

ra Fast

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current (A)	V_{RRM} (Max)	Max Surge Current (A)	Operating Temperature	Price Each 1	10	100	250
1-UF1001	UF1001	DO-41	1A	50	30	-65°C to +150°C	.45	.31	.22	.16
1-UF1004	UF1004	DO-41	1A	400	30	-65°C to +150°C	.50	.37	.26	.19
1-UF1007	UF1007	DO-41	1A	1000	30	-65°C to +150°C	.48	.37	.29	.21

gh Efficiency

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current (A)	V_{RRM} (Max)	Max Surge Current (A)	Operating Temperature	Price Each 1	10	100	250
1-HER104	HER104	DO-41	1A	400	30	-65°C to +150°C	.48	.37	.27	.19
1-HER304	HER304	DO-201AD	3A	400	200	-65°C to +150°C	.64	.52	.39	.32

hottky Barrier

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current (A)	V_{RRM} (Max)	Max Surge Current (A)	Operating Temperature	Price Each 1	10	100	250
1-1N5817	1N5817	DO-41	1A	20	25	-65°C to +125°C	.39	.30	.22	.15
1-1N5818	1N5818	DO-41	1A	30	25	-65°C to +125°C	.39	.30	.22	.15
1-1N5819	1N5819	DO-41	1A	40	25	-65°C to +125°C	.39	.30	.22	.15
1-1N5820	1N5820	DO-201AD	3A	20	80	-65°C to +125°C	.68	.54	.41	.32
1-1N5821	1N5821	DO-201AD	3A	30	80	-65°C to +125°C	.68	.54	.41	.32
1-1N5822	1N5822	DO-201AD	3A	40	80	-65°C to +125°C	.68	.54	.41	.32

dge Rectifiers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current (A)	V_{RRM} (Max)	Max Surge Current (A)	Operating Temperature	Price Each 1	10	100	250
-DF01M	DF01M	DFM	1A	100	50	-65°C to +150°C	.60	.48	.36	.30
-DF04M	DF04M	DFM	1A	400	50	-65°C to +150°C	.60	.48	.36	.30
-DF10M	DF10M	DFM	1A	1000	50	-65°C to +150°C	.80	.64	.48	.40
-KBP04G	KBP04G	KBP	1.5A	400	40	-65°C to +150°C	1.22	.97	.74	.65
-W04G	W04G	WOG	1.5A	400	50	-65°C to +150°C	.64	.52	.39	.33
-KBP10G	KBP10G	KBP	1.5A	1000	40	-65°C to +150°C	1.62	1.28	.98	.85
-W10G	W10G	WOG	1.5A	1000	50	-65°C to +150°C	.72	.58	.44	.37
-KBP204G	KBP204G	KBP	2A	400	65	-65°C to +150°C	1.22	.97	.74	.65
-KBP210G	KBP210G	KBP	2A	1000	65	-65°C to +150°C	1.62	1.28	.98	.85
-GBU404	GBU404	GBU	4A	400	150	-65°C to +150°C	1.42	1.12	.86	.74
-GBU410	GBU410	GBU	4A	1000	150	-65°C to +150°C	1.38	1.08	.85	.73
-GBJ604	GBJ604	GBJ	6A	400	170	-65°C to +150°C	1.84	1.43	1.13	1.03
-GBU604	GBU604	GBU	6A	400	175	-65°C to +150°C	1.62	1.28	.98	.85
-GBJ610	GBJ610	GBJ	6A	1000	170	-65°C to +150°C	2.05	1.60	1.27	1.15
-GBU610	GBU610	GBU	6A	1000	175	-65°C to +150°C	1.51	1.18	.93	.85
-GBJ804	GBJ804	GBJ	8A	400	170	-65°C to +150°C	1.94	1.52	1.20	1.09
-GBU804	GBU804	GBU	8A	400	200	-65°C to +150°C	1.46	1.14	.90	.82
-GBJ810	GBJ810	GBJ	8A	1000	170	-65°C to +150°C	2.21	1.73	1.37	1.23
-GBU810	GBU810	GBU	8A	1000	200	-65°C to +150°C	1.70	1.33	1.05	.96
-GBJ1004	GBJ1004	GBJ	10A	400	220	-65°C to +150°C	2.03	1.58	1.25	1.16
-GBU1004	GBU1004	GBU	10A	400	220	-65°C to +150°C	2.03	1.58	1.25	1.16
-GBJ1010	GBJ1010	GBJ	10A	1000	220	-65°C to +150°C	2.38	1.85	1.46	1.33
-GBU1010	GBU1010	GBU	10A	1000	220	-65°C to +150°C	2.38	1.85	1.46	1.33
-GBJ1504	GBJ1504	GBJ	15A	400	240	-65°C to +150°C	2.21	1.73	1.37	1.23
-GBPC1504	GBPC1504	GBPC	15A	400	300	-65°C to +150°C	2.88	2.32	1.88	1.76
-GBJ1510	GBJ1510	GBJ	15A	1000	240	-65°C to +150°C	2.48	1.94	1.53	1.39
-GBPC1510	GBPC1510	GBPC	15A	1000	300	-65°C to +150°C	3.22	2.59	2.10	1.96
-GBJ2004	GBJ2004	GBJ	20A	400	240	-65°C to +150°C	2.27	1.77	1.40	1.27
-GBJ2010	GBJ2010	GBJ	20A	1000	240	-65°C to +150°C	2.51	1.96	1.54	1.41
-GBJ2504	GBJ2504	GBJ	25A	400	350	-65°C to +150°C	2.51	1.96	1.54	1.41
-GBPC2504	GBPC2504	GBPC	25A	400	300	-65°C to +150°C	2.88	2.32	1.88	1.76
-GBJ2510	GBJ2510	GBJ	25A	1000	350	-65°C to +150°C	2.35	1.89	1.53	1.43
-GBPC2510	GBPC2510	GBPC	25A	1000	300	-65°C to +150°C	3.22	2.59	2.10	1.96
-GBPC3504	GBPC3504	GBPC	35A	400	400	-65°C to +150°C	3.22	2.59	2.10	1.96
-GBPC3510	GBPC3510	GBPC	35A	1000	400	-65°C to +150°C	3.57	2.87	2.33	2.18

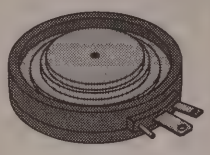
EUPEC Power Modules

HIGH POWER THYRISTORS AND DIODES

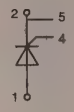
Thyristor

Features:
- Reverse Voltage up to 2800 Volts
- Metal Ceramic Package

Applications:
- DC Motor Control (for machine tools)
- Controlled Rectifier (for battery charging)
- AC Controllers (for temperature control)



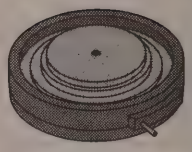
Thyristor



Diode

Features:
- Reverse Voltage up to 4900 Volts
- Metal Ceramic Package

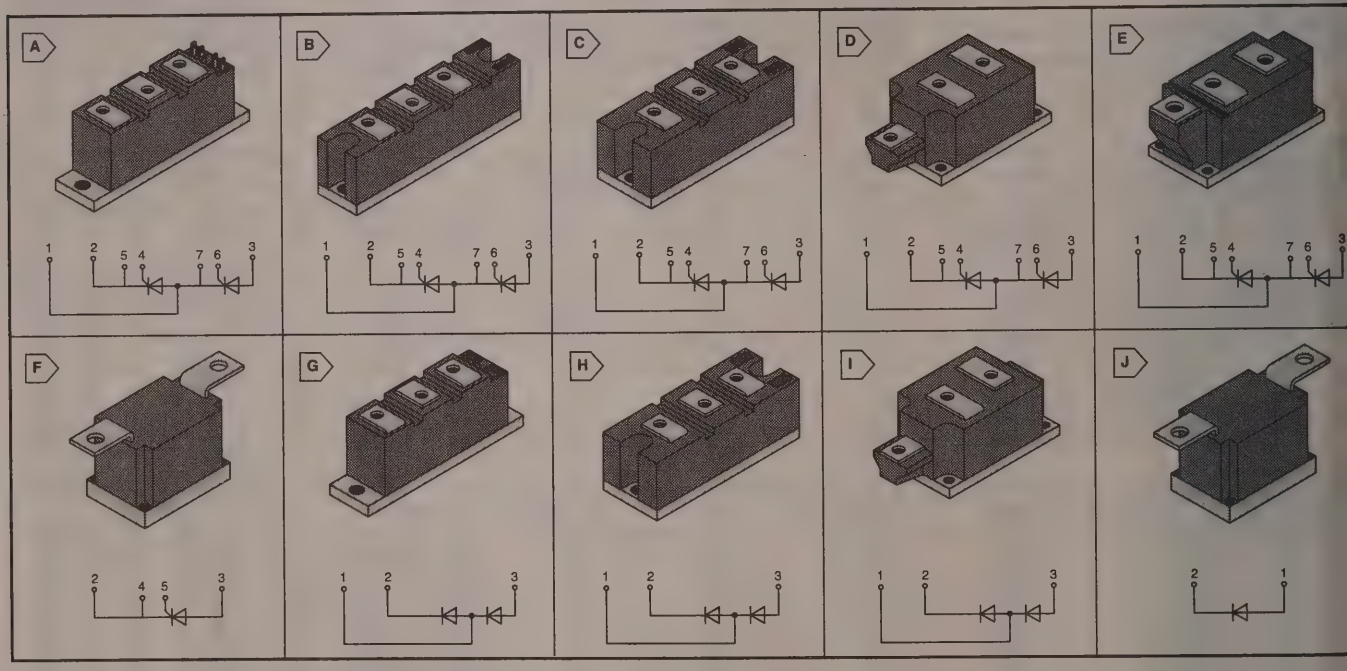
Applications:
- All Purpose Rectifier Diode
- Free-wheeling Diodes
- Industrial High Power Drives, and Medium Traction Applications



Diode

For quantities of 20 and up, call for quot

MOUSER STOCK NO.	Eupec Part No.	Dia. (mm)	Height (mm)	Description	Voltage (V) (max)	Current (A) (max)	Wattage (W) (max)	Temp. (°C) (max)	Price Each 1	5	10
641-T218N16TOF	T218N16TOF	23	14	Thyristors	1600	400	218	125	74.80	68.20	65.60
641-T358N16TOF	T358N16TOF	23	14	Thyristors	1600	700	358	125	91.30	82.50	80.40
641-T588N16TOF	T588N16TOF	30	14	Thyristors	1600	1250	588	125	115.50	104.50	100.80
641-T879N16TOF	T879N16TOF	36	26	Thyristors	1600	1750	879	125	231.00	209.00	203.80
641-T1189N16TOF	T1189N16TOF	48	26	Thyristors	1600	2800	1189	125	325.60	293.70	287.98
641-T1189N18TOF	T1189N18TOF	48	26	Thyristors	1800	2800	1189	125	344.30	310.20	303.40
641-D428N18TOF	D428N18TOF	23	14	Diodes	1800	840	430	180	83.60	74.80	72.60
641-D798N16TOF	D798N16TOF	30	14	Diodes	1800	1650	800	180	114.40	103.40	100.60
641-D2209N22T	D2209N22T	36	26	Diodes	1200	4900	2200	180	357.50	322.30	310.80



HIGH POWER THYRISTOR AND DIODE PACKS

Thyristors

Features:
- Reverse Voltage up to 1500 Volts
- Isolated Aluminum Baseplate

Applications:
- Soft Start for Induction Motors
- Input Rectifier for Inverter Drives
- Field Supply for DC Motors

Diodes

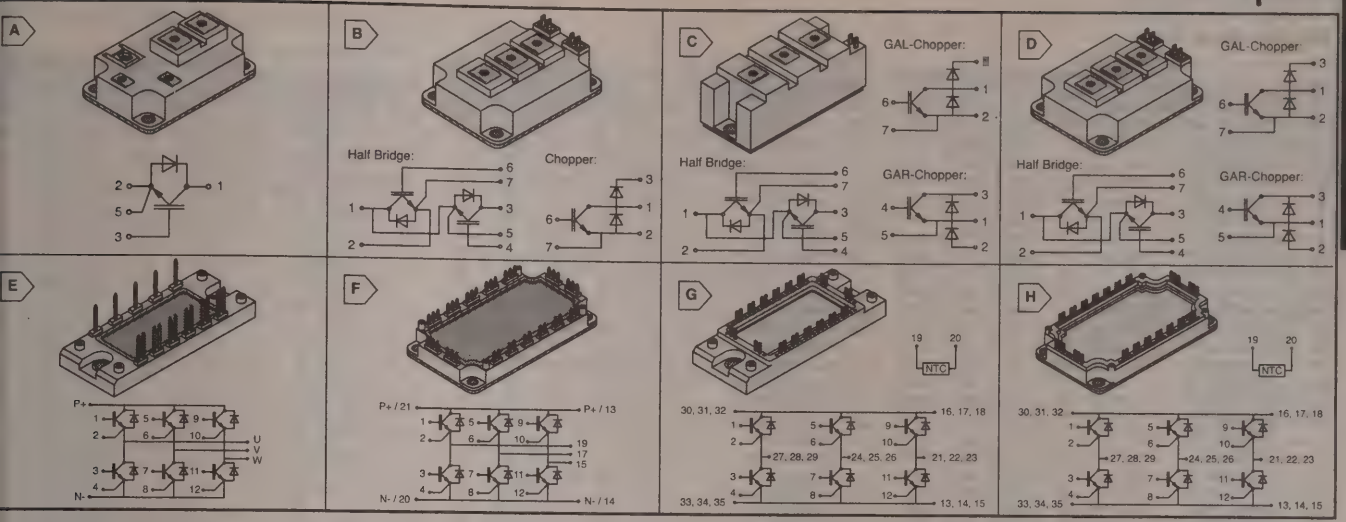
Features:
- Reverse Voltage up to 1500 Volts
- Isolated Aluminum Baseplate

Applications:
- Soft Start for Induction Motors
- Input Rectifier for Inverter Drives
- Field Supply for DC Motors

For quantities of 20 and up, call for qu

MOUSER STOCK NO.	Eupec Part No.	Fig.	Package	Description	Voltage (V) (max)	Current (A) (RMS)	Current (A) (avg)	Temp. (°C) (max)	Price Each 1	5	10
641-TT92N14KOF	TT92N14KOF	A	TP20 (20mm)	Thyristor (SCR) Modules	1400	160	92 @ 85°C	125	78.42	71.12	65.7
641-TT92N16KOF	TT92N16KOF	A	TP20 (20mm)	Thyristor (SCR) Modules	1600	160	92 @ 85°C	130	91.30	82.50	68.2
641-TT106N16KOF	TT106N16KOF	B	TP25 (25mm)	Thyristor (SCR) Modules	1600	180	106 @ 85°C	140	114.40	103.40	97.6
641-TT142N16KOF	TT142N16KOF	C	TP34 (34mm)	Thyristor (SCR) Modules	1600	230	142 @ 85°C	125	117.70	105.60	101.0
641-TT162N16KOF	TT162N16KOF	C	TP34 (34mm)	Thyristor (SCR) Modules	1600	260	162 @ 85°C	125	132.00	118.80	116.6
641-TT250N12KOF	TT250N12KOF	D	TP50 (50mm)	Thyristor (SCR) Modules	1200	410	250 @ 85°C	125	172.80	162.40	147.5
641-TT250N16KOF	TT250N16KOF	D	TP50 (50mm)	Thyristor (SCR) Modules	1600	410	250 @ 85°C	125	200.20	180.40	175.6
641-TT251N18KOF	TT251N18KOF	D	TP50 (50mm)	Thyristor (SCR) Modules	1800	410	250 @ 85°C	125	224.24	198.00	178.2
641-TT500N16KOF	TT500N16KOF	E	TP60 (60mm)	Thyristor (SCR) Modules	1600	900	500 @ 85°C	125	411.40	369.60	353.4
641-TZ500N16KOF	TZ500N16KOF	D	TP50 (50mm)	Thyristor (SCR) Modules	1600	1050	500 @ 85°C	125	213.40	191.40	185.0
641-TZ800N16KOF	TZ800N16KOF	F	TP70 (70mm)	Thyristor (SCR) Modules	1600	1500	800 @ 85°C	125	503.80	453.20	435.8
641-DD104N16KOF	DD104N16KOF	G	DP20 (20mm)	Diode Modules	1600	160	104 @ 100°C	150	83.60	74.80	72.0
641-DD171N16KOF	DD171N16KOF	H	DP34 (34mm)	Diode Modules	1600	270	171 @ 100°C	150	152.90	138.60	133.6
641-DD350N16KOF	DD350N16KOF	I	DP50 (50mm)	Diode Modules	1600	550	350 @ 100°C	150	211.20	190.30	185.6
641-DZ1070N18KOF	DZ1070N18KOF	J	DP70 (70mm)	Diode Modules	1800	1700	1070 @ 100°C	150	421.30	380.60	363.0

EUPEC Power Modules



UPEC IGBT MODULES

atures:
oltage Controlled MOS Input
-Channel
olated Copper Baseplate

Applications:
- Inductive Heating
- DC Choppers
- Electronic Welding
- Uninterruptible Power Supplies
- DC Servo and Robot Drives
- General Power Switching Applications

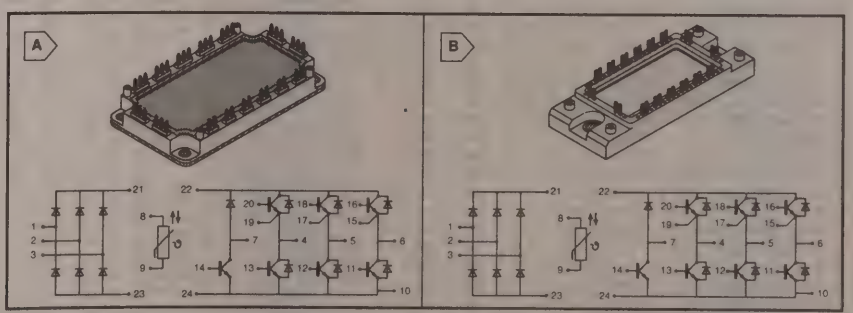
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Eupec Part No.	Fig.	Package	Description	Voltage (V) (max)	Current (A) (max)	Wattage (W) (max)	Temp. (°C) (max)	Price Each		
									1	5	10
1-FZ600R12KE3	FZ600R12KE3	A	IS6a (62mm)	Single switch	1200	600	2500	80	223.25	202.95	189.42
1-BSM200GAL120DN2	BSM200GAL120DN2	B	IS5 (62mm)	GAL Chopper	1200	200	1400	80	145.20	132.33	123.23
1-BSM75GAR120DN2	BSM75GAR120DN2	C	IS4 (34mm)	GAR Chopper	1200	75	625	80	56.17	50.72	47.52
1-BSM200GAR120DN2	BSM200GAR120DN2	B	IS5 (62mm)	GAR Chopper	1200	200	1400	80	145.20	132.33	123.23
1-BSM50GB120DN2	BSM50GB120DN2	C	IS4 (34mm)	Dual IGBT	1200	50	400	80	50.06	45.10	37.40
1-BSM100GB120DN2K	BSM100GB120DN2K	C	IS4 (34mm)	Dual IGBT	1200	100	700	80	79.37	71.57	67.17
1-BSM200GB120DN2	BSM200GB120DN2	D	IS5a (62mm)	Dual IGBT	1200	200	800	80	166.98	151.83	141.68
1-BSM50GB120DLC	BSM50GB120DLC	C	IS4 (34mm)	Dual IGBT	1200	50	460	80	50.06	45.10	37.40
1-BSM100GB120DLCK	BSM100GB120DLCK	C	IS4 (34mm)	Dual IGBT	1200	100	830	80	79.37	71.57	67.17
1-BSM200GB120DLC	BSM200GB120DLC	D	IS5a (62mm)	Dual IGBT	1200	200	1300	80	166.98	151.83	141.68
1-FF300R12KE3	FF300R12KE3	D	IS5a (62mm)	Dual IGBT	1200	300	1470	80	223.25	202.95	189.42
1-BSM10GD120DN2	BSM10GD120DN2	E	IS2 (Econo2)	3 Phase Full Bridge	1200	10	80	80	34.19	30.80	25.30
1-BSM25GD120DN2	BSM25GD120DN2	E	IS2 (Econo2)	3 Phase Full Bridge	1200	25	145	80	64.71	58.53	54.12
1-BSM50GD120DN2	BSM50GD120DN2	E	IS2 (Econo2)	3 Phase Full Bridge	1200	50	350	80	116.16	105.61	98.56
1-BSM100GD120DN2	BSM100GD120DN2	F	IS8 (Econo3)	3 Phase Full Bridge	1200	100	680	80	226.88	206.25	192.51
1-FS50R12KE3	FS50R12KE3	G	IS3a (EconoPACK2)	3 Phase Full Bridge	1200	50	270	80	113.03	102.75	95.91
1-FS150R12KE3	FS150R12KE3	H	IS8a (EconoPACK3)	3 Phase Full Bridge	1200	150	650	80	326.12	297.16	276.76

UPEC IGBT POWER INTERGRATED MODULES

atures:
gh Level Power Integration
tegrated Temperature Sensor
gh Power Density, Low Losses

plications:
ree Phase Motor Drive Inverter
nverter
eneral Power Switching Supplies



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Eupec Part No.	Fig.	Package	Description	Voltage (V) (max)	Current (A) (max)	Wattage (W) (max)	Temp. (°C) (max)	Price Each		
									1	5	10
1-BSM10GP120	BSM10GP120	A	IS12 (EconoPIM2)	PIM (Power Integrated Module)	1200	10	100	80	53.72	48.48	45.17
1-BSM25GP120	BSM25GP120	A	IS12 (EconoPIM2)	PIM (Power Integrated Module)	1200	25	230	80	89.13	80.33	75.17
1-BSM50GP120	BSM50GP120	A	IS13 (EconoPIM3)	PIM (Power Integrated Module)	1200	50	360	80	163.35	148.53	138.63
1-FP15R12KE3G	FP15R12KE3G	A	IS12 (EconoPIM2)	PIM (Power Integrated Module)	1200	15	100	80	67.16	61.05	56.98
1-FP40R12KE3	FP40R12KE3	A	IS12 (EconoPIM2)	PIM (Power Integrated Module)	1200	40	200	80	130.19	118.35	110.46
1-FP50R12KE3	FP50R12KE3	B	IS13 (EconoPIM3)	PIM (Power Integrated Module)	1200	50	270	80	162.53	147.75	137.91
1-FP75R12KE3	FP75R12KE3	B	IS13 (EconoPIM3)	PIM (Power Integrated Module)	1200	75	350	80	234.30	213.17	198.81

FAIRCHILD Zener Diodes

FAIRCHILD SEMICONDUCTOR

◆ Surface Mount Device

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	PD (W)	VZ (V)	Price Each 1	25
◆512—	MMBZ5221B	SOT-23	.35	2.4	.06	.05
◆512—	MMBZ5223B	SOT-23	.35	2.7	.07	.06
◆512—	BZX84C3V3	SOT-23	.35	3.3	.07	.06
◆512—	MMBZ5226B	SOT-23	.35	3.3	.07	.06
◆512—	BZX84C3V6	SOT-23	.35	3.6	.07	.06
◆512—	MMBZ5227B	SOT-23	.35	3.6	.06	.05
◆512—	BZX84C3V9	SOT-23	.35	3.9	.07	.05
◆512—	MMBZ5228B	SOT-23	.35	3.9	.07	.05
◆512—	BZX84C4V3	SOT-23	.35	4.3	.07	.05
◆512—	MMBZ5229B	SOT-23	.35	4.3	.07	.05
◆512—	BZX84C4V7	SOT-23	.35	4.7	.07	.05
◆512—	MMBZ5230B	SOT-23	.35	4.7	.07	.05
◆512—	BZX84C5V1	SOT-23	.35	5.1	.07	.05
◆512—	MMBZ5231B	SOT-23	.35	5.1	.07	.05
◆512—	BZX84C5V6	SOT-23	.35	5.6	.07	.05
◆512—	MMBZ5232B	SOT-23	.35	5.6	.07	.05
◆512—	MMBZ5233B	SOT-23	.35	6	.07	.05
◆512—	BZX84C6V2	SOT-23	.35	6.2	.07	.05
◆512—	MMBZ5234B	SOT-23	.35	6.2	.07	.05
◆512—	BZX84C6V8	SOT-23	.35	6.8	.07	.05
◆512—	MMBZ5235B	SOT-23	.35	6.8	.09	.06
◆512—	BZX84C7V5	SOT-23	.35	7.5	.08	.07
◆512—	MMBZ5236B	SOT-23	.35	7.5	.08	.07
◆512—	BZX84C8V2	SOT-23	.35	8.2	.08	.07
◆512—	MMBZ5237B	SOT-23	.35	8.2	.08	.07
◆512—	MMBZ5238B	SOT-23	.35	8.7	.08	.07
◆512—	BZX84C9V1	SOT-23	.35	9.1	.08	.07
◆512—	MMBZ5239B	SOT-23	.35	9.1	.08	.07
◆512—	BZX84C10	SOT-23	.35	10	.08	.06
◆512—	MMBZ5240B	SOT-23	.35	10	.08	.07
◆512—	BZX84C11	SOT-23	.35	11	.09	.08
◆512—	MMBZ5241B	SOT-23	.35	11	.08	.07
◆512—	BZX84C12	SOT-23	.35	12	.08	.07
◆512—	MMBZ5242B	SOT-23	.35	12	.08	.07
◆512—	BZX84C13	SOT-23	.35	13	.08	.07
◆512—	MMBZ5243B	SOT-23	.35	13	.08	.07
◆512—	MMBZ5244B	SOT-23	.35	14	.08	.07
◆512—	BZX84C15	SOT-23	.35	15	.09	.08
◆512—	MMBZ5245B	SOT-23	.35	15	.08	.07
◆512—	BZX84C16	SOT-23	.35	16	.08	.07
◆512—	MMBZ5246B	SOT-23	.35	16	.08	.07
◆512—	MMBZ5247B	SOT-23	.35	17	.08	.07
◆512—	BZX84C18	SOT-23	.35	18	.08	.07
◆512—	MMBZ5248B	SOT-23	.35	18	.08	.07
◆512—	MMBZ5249B	SOT-23	.35	19	.08	.07
◆512—	BZX84C20	SOT-23	.35	20	.08	.07
◆512—	MMBZ5250B	SOT-23	.35	20	.09	.08
◆512—	BZX84C22	SOT-23	.35	22	.08	.07
◆512—	MMBZ5251B	SOT-23	.35	22	.08	.07
◆512—	BZX84C24	SOT-23	.35	24	.08	.07
◆512—	MMBZ5252B	SOT-23	.35	24	.08	.07
◆512—	MMBZ5253B	SOT-23	.35	25	.08	.07
◆512—	BZX84C27	SOT-23	.35	27	.09	.08
◆512—	MMBZ5254B	SOT-23	.35	27	.08	.07
◆512—	MMBZ5255B	SOT-23	.35	28	.08	.07
◆512—	BZX84C30	SOT-23	.35	30	.08	.07
◆512—	MMBZ5256B	SOT-23	.35	30	.08	.07
◆512—	BZX84C33	SOT-23	.35	33	.08	.07
◆512—	MMBZ5257B	SOT-23	.35	33	.09	.07
512—	1N4370A	DO-35	.50	2.4	.06	.05
512—	1N5221B	DO-35	.50	2.4	.05	.04
512—	1N5985B	DO-35	.50	2.4	.06	.05
512—	BZX79C2V4	DO-35	.50	2.4	.07	.06
512—	BZX55C2V4	DO-35	.50	2.4	.06	.05
512—	1N5222B	DO-35	.50	2.5	.05	.04
512—	1N4371A	DO-35	.50	2.7	.06	.05
512—	1N5223B	DO-35	.50	2.7	.05	.04
512—	1N5986B	DO-35	.50	2.7	.06	.05
512—	BZX55C2V7	DO-35	.50	2.7	.06	.05
512—	BZX79C2V7	DO-35	.50	2.7	.07	.06
512—	1N5224B	DO-35	.50	2.8	.05	.04
512—	1N4372A	DO-35	.50	3	.06	.05
512—	1N5225B	DO-35	.50	3	.05	.04
512—	1N5987B	DO-35	.50	3	.06	.05
512—	BZX55C3V0	DO-35	.50	3	.06	.05
512—	BZX79C3V0	DO-35	.50	3	.06	.05
512—	1N5226B	DO-35	.50	3.3	.06	.05
512—	1N5988B	DO-35	.50	3.3	.06	.05
512—	1N746A	DO-35	.50	3.3	.06	.05
512—	BZX55C3V3	DO-35	.50	3.3	.08	.05
512—	BZX79C3V3	DO-35	.50	3.3	.08	.05
◆512—	MMSZ4684	SOD-123	.50	3.3	.15	.13
◆512—	MMSZ5226B	SOD-123	.50	3.3	.17	.14
512—	1N5227B	DO-35	.50	3.6	.06	.05
512—	1N5989B	DO-35	.50	3.6	.06	.05
512—	1N747A	DO-35	.50	3.6	.06	.05

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	PD (W)	VZ (V)	Price Each 1	25
512—	BZX55C3V6	DO-35	.50	3.6	.06	.05
512—	BZX79C3V6	DO-35	.50	3.6	.06	.05
◆512—	MMSZ5227B	SOD-123	.50	3.6	.17	.14
512—	1N5228B	DO-35	.50	3.9	.06	.05
512—	1N5990B	DO-35	.50	3.9	.06	.05
512—	1N748A	DO-35	.50	3.9	.06	.05
512—	BZX55C3V9	DO-35	.50	3.9	.06	.05
512—	BZX79C3V9	DO-35	.50	3.9	.06	.05
◆512—	MMSZ4686	SOD-123	.50	3.9	.17	.15
◆512—	MMSZ5228B	SOD-123	.50	3.9	.17	.14
512—	1N5229B	DO-35	.50	4.3	.06	.05
512—	1N5991B	DO-35	.50	4.3	.06	.05
512—	1N749A	DO-35	.50	4.3	.06	.05
512—	BZX55C4V3	DO-35	.50	4.3	.06	.05
512—	BZX79C4V3	DO-35	.50	4.3	.06	.05
◆512—	MMSZ5229B	SOD-123	.50	4.3	.17	.14
512—	1N5230B	DO-35	.50	4.7	.06	.05
512—	1N5992B	DO-35	.50	4.7	.06	.05
512—	1N750A	DO-35	.50	4.7	.06	.05
512—	BZX55C4V7	DO-35	.50	4.7	.06	.05
512—	BZX79C4V7	DO-35	.50	4.7	.06	.05
◆512—	MMSZ4688	SOD-123	.50	4.7	.15	.12
◆512—	MMSZ5230B	SOD-123	.50	4.7	.17	.14
512—	1N5231B	DO-35	.50	5.1	.06	.05
512—	1N5993B	DO-35	.50	5.1	.06	.05
512—	1N751A	DO-35	.50	5.1	.09	.06
512—	BZX55C5V1	DO-35	.50	5.1	.06	.05
512—	BZX79C5V1	DO-35	.50	5.1	.06	.05
◆512—	MMSZ4689	SOD-123	.50	5.1	.15	.13
◆512—	MMSZ5231B	SOD-123	.50	5.1	.17	.14
512—	1N5231C	DO-35	.50	5.2	.09	.07
512—	1N5232B	DO-35	.50	5.6	.06	.05
512—	1N5994B	DO-35	.50	5.6	.06	.05
512—	1N752A	DO-35	.50	5.6	.09	.06
512—	BZX55C5V6	DO-35	.50	5.6	.06	.05
512—	BZX79C5V6	DO-35	.50	5.6	.05	.04
◆512—	MMSZ5232B	SOD-123	.50	5.6	.16	.13
512—	1N5233B	DO-35	.50	6	.06	.05
◆512—	MMSZ5233B	SOD-123	.50	6	.17	.14
512—	1N5234B	DO-35	.50	6.2	.06	.05
512—	1N5995B	DO-35	.50	6.2	.06	.05
512—	1N753A	DO-35	.50	6.2	.06	.05
512—	BZX55C6V2	DO-35	.50	6.2	.06	.05
512—	BZX79C6V2	DO-35	.50	6.2	.06	.05
◆512—	MMSZ5234B	SOD-123	.50	6.2	.17	.14
512—	1N5235B	DO-35	.50	6.8	.10	.06
512—	1N5996B	DO-35	.50	6.8	.06	.05
512—	1N754A	DO-35	.50	6.8	.08	.06
512—	1N957B	DO-35	.50	6.8	.08	.06
512—	BZX55C6V8	DO-35	.50	6.8	.07	.06
512—	BZX79C6V8	DO-35	.50	6.8	.07	.06
◆512—	MMSZ4692	SOD-123	.50	6.8	.17	.14
◆512—	MMSZ5235B	SOD-123	.50	6.8	.17	.14
512—	1N5236B	DO-35	.50	7.5	.10	.06
512—	1N5997B	DO-35	.50	7.5	.06	.05
512—	1N755A	DO-35	.50	7.5	.08	.06
512—	1N958B	DO-35	.50	7.5	.08	.06
512—	BZX55C7V5	DO-35	.50	7.5	.09	.06
512—	BZX79C7V5	DO-35	.50	7.5	.09	.06
◆512—	MMSZ5236B	SOD-123	.50	7.5	.17	.14
512—	1N5237B	DO-35	.50	8.2	.10	.06
512—	1N5998B	DO-35	.50	8.2	.06	.05
512—	1N756A	DO-35	.50	8.2	.08	.06
512—	1N959B	DO-35	.50	8.2	.08	.06
512—	BZX55C8V2	DO-35	.50	8.2	.09	.06
512—	BZX79C8V2	DO-35	.50	8.2	.09	.06
◆512—	MMSZ5237B	SOD-123	.50	8.2	.17	.14
512—	1N5238B	DO-35	.50	8.7	.10	.06
◆512—	MMSZ5238B	SOD-123	.50	8.7	.17	.14
512—	1N5239B	DO-35	.50	9.1	.10	.06
512—	1N5999B	DO-35	.50	9.1	.06	.05
512—	1N757A	DO-35	.50	9.1	.08	.06
512—	1N960B	DO-35	.50	9.1	.08	.06
512—	BZX55C9V1	DO-35	.50	9.1	.09	.06
512—	BZX79C9V1	DO-35	.50	9.1	.09	.06
◆512—	MMSZ5239B	SOD-123	.50	9.1	.17	.14
512—	1N5240B	DO-35	.50	10	.10	.06
512—	1N6000B	DO-35	.50	10	.05	.04
512—	1N758A	DO-35	.50	10	.08	.06
512—	1N961B	DO-35	.50	10	.08	.06
512—	BZX55C10	DO-35	.50	10	.11	.09
512—	BZX79C10	DO-35	.50	10	.09	.06
◆512—	MMSZ4697	SOD-123	.50	10	.17	.14
◆512—	MMSZ5240B	SOD-123	.50	10	.17	.14
512—	1N5241B	DO-35	.50	11	.10	.06
512—	1N6001B	DO-35	.50	11	.05	.04

For quantities of 100 and up, call for quot

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	PD (W)	VZ (V)	Price Each 1	25
512—	1N962B	DO-35	.50	11	.08	.06
512—	BZX55C11	DO-35	.50	11	.09	.06
512—	BZX79C11	DO-35	.50	11	.09	.06
◆512—	MMSZ5241B	SOD-123	.50	11	.17	.14
512—	1N5242B	DO-35	.50	12	.10	.06
512—	1N6002B	DO-35	.50	12	.05	.04
512—	1N759A	DO-35	.50	12	.08	.06
512—	1N963B	DO-35	.50	12	.08	.06
512—	BZX55C12	DO-35	.50	12	.09	.06
512—	BZX79C12	DO-35	.50	12	.09	.06
◆512—	MMSZ5242B	SOD-123	.50	12	.17	.14
512—	1N5243B	DO-35	.50	13	.10	.08
512—	1N6003B	DO-35	.50	13	.00	.00
512—	1N964B	DO-35	.50	13	.08	.06
512—	BZX55C13	DO-35	.50	13	.09	.06
512—	BZX79C13	DO-35	.50	13	.09	.06
◆512—	MMSZ5243B	SOD-123	.50	13	.17	.14
512—	1N5244B	DO-35	.50	14	.10	.08
◆512—	MMSZ5244B	SOD-123	.50	14	.17	.14
512—	1N5245B	DO-35	.50	15	.10	.08
512—	1N6004B	DO-35	.50	15	.00	.00
512—	1N965B	DO-35	.50	15	.08	.06
512—	BZX55C15	DO-35	.50	15	.09	.06
512—	BZX79C15	DO-35	.50	15	.09	.06
◆512—	MMSZ4702	SOD-123	.50	15	.17	.14
◆512—	MMSZ5245B	SOD-123	.50	15	.17	.14
512—	1N5246B	DO-35	.50	16	.10	.08
512—	1N6005B	DO-35	.50	16	.05	.04
512—	1N966B	DO-35	.50	16	.08	.06
512—	BZX55C16	DO-35	.50	16	.09	.06
512—	BZX79C16	DO-35	.50	16	.09	.06
◆512—	MMSZ4703	SOD-123	.50	16	.17	.14
◆512—	MMSZ5246B	SOD-123	.50	16	.17	.14
512—	1N5247B	DO-35	.50	17	.10	.08
◆512—	MMSZ5247B	SOD-123	.50	17	.17	.14
512—	1N5248B	DO-35	.50	18	.10	.08
512—	1N6006B	DO-35	.50	18	.05	.04
512—	1N967B	DO-35	.50	18	.08	.06
512—	BZX55C18	DO-35	.50	18	.09	.06
512—	BZX79C18	DO-35	.50	18	.09	.06
◆512—	MMSZ5248B	SOD-123	.50	18	.17	.14
512—	1N5249B	DO-35	.50	19	.10	.08
◆512—	MMSZ4706	SOD-123	.50	19	.17	.14
◆512—	MMSZ5249B	SOD-123	.50	19	.17	.14
512—	1N5250B	DO-35	.50	20	.10	.08
512—	1N6007B	DO-35	.50	20	.05	.04
512—	1N968B	DO-35	.50	20	.08	.06
512—	BZX55C20	DO-35	.50	20	.09	.06
512—	BZX79C20	DO-35	.50	20	.09	.06
◆512—	MMSZ5250B	SOD-123	.50	20	.17	.14
512—	1N5251B	DO-35	.50	22	.10	.08
512—	1N6008B	DO-35	.50	22	.05	.04
512—	1N969B	DO-35	.50	22	.08	.06
512—	BZX55C22	DO-35	.50	22	.09	.06
512—	BZX79C22	DO-35	.50	22	.09	.06
◆512—	MMSZ5251B	SOD-123	.50	22	.17	.14
512—	1N5252B	DO-35	.50	24	.10	.08
512—	1N6009B	DO-35	.50	24	.05	.04
512—	1N970B	DO-35	.50	24	.08	.06
512—	BZX55C24	DO-35	.50	24	.09	.06
512—	BZX79C24	DO-35	.50	24	.09	.06
◆512—	MMSZ5252B	SOD-123	.50	24	.17	.14
512—	1N5253B	DO-35	.50	25	.10	.08
◆512—	MMSZ5253B	SOD-123	.50	25	.17	.14
512—	1N5254B	DO-35	.50	27	.10	.08
512—	1N6010B	DO-35	.50	27	.05	.04
512—	1N971B	DO-35	.50	27	.08	.06
512—	BZX55C27	DO-35	.50	27	.09	.06
512—	BZX79C27	DO-35	.50	27	.09	.06
◆512—	MMSZ5254B	SOD-123	.50	27	.17	.14
512—	1N5255B	DO-35	.50	28	.10	.08
◆512—	MMSZ5255B	SOD-123	.50	28	.17	.14
512—	1N5256B	DO-35	.50	30	.10	.08
512—	1N6011B	DO-35	.50	30	.05	.04
512—	1N972B	DO-35	.50	30	.08	.06
512—	BZX55C30	DO-35	.50	30	.09	.06
512—	BZX79C30	DO-35	.50	30	.09	.06
◆512—	MMSZ5256B	SOD-123	.50	30	.18	.14
512—	1N5257B	DO-35	.50	33	.10	.08
512—	1N6012B	DO-35	.50	33	.05	.04
512—	1N973B	DO-35	.50	33	.08	.06
512—	BZX55C33	DO-35	.50	33	.09	.06
512—	BZX79C33	DO-35	.50	33	.09	.06
◆512—	MMSZ5257B	SOD-123	.50	33	.18	.14
512—	1N5258B	DO-35	.50	36	.06	.04
512—	1N6013B	DO-35	.50	36	.05	.04

MOUSER ELECTRONICS a tti company

FAIRCHILD Zener and Small Signal Diodes

FAIRCHILD SEMICONDUCTOR

AIRCHILD SEMICONDUCTOR ZENER DIODES

For quantities of 100 and up, call for quote.

OUSER STOCK NO. / Mfr. Part Number	Package	PD (W)	VZ (V)	Price Each 1	Price Each 25
512—1N974B	DO-35	.50	36	.06	.05
512—BZX55C36	DO-35	.50	36	.07	.06
512—BZX79C36	DO-35	.50	36	.07	.06
512—1N5259B	DO-35	.50	39	.06	.05
512—1N6014B	DO-35	.50	39	.05	.04
512—1N975B	DO-35	.50	39	.06	.05
512—BZX55C39	DO-35	.50	39	.07	.06
512—BZX79C39	DO-35	.50	39	.07	.06
512—1N5260B	DO-35	.50	43	.06	.05
512—1N6015B	DO-35	.50	43	.05	.04
512—1N976B	DO-35	.50	43	.06	.05
512—BZX55C43	DO-35	.50	43	.07	.06
512—BZX79C43	DO-35	.50	43	.07	.06
512—1N5261B	DO-35	.50	47	.06	.05
512—1N6016B	DO-35	.50	47	.05	.04
512—1N977B	DO-35	.50	47	.06	.05
512—BZX55C47	DO-35	.50	47	.07	.06
512—BZX79C47	DO-35	.50	47	.07	.06
512—1N5262B	DO-35	.50	51	.06	.05
512—1N6017B	DO-35	.50	51	.05	.04
512—1N978B	DO-35	.50	51	.06	.05
512—BZX55C51	DO-35	.50	51	.07	.06
512—BZX79C51	DO-35	.50	51	.07	.06
512—1N5263B	DO-35	.50	56	.06	.05
512—1N6018B	DO-35	.50	56	.05	.04
512—BZX55C56	DO-35	.50	56	.07	.06
512—BZX79C56	DO-35	.50	56	.07	.06
512—1N979B	DO-35	.50	62	.06	.05
512—1N4728A	DO-41	1	3.3	.09	.07
512—BZX85C3V3	DO-41	1	3.3	.10	.08

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	PD (W)	VZ (V)	Price Each 1	Price Each 25
512—1N4729A	DO-41	1	3.6	.09	.07
512—BZX85C3V6	DO-41	1	3.6	.09	.08
512—1N4730A	DO-41	1	3.9	.09	.07
512—BZX85C3V9	DO-41	1	3.9	.09	.08
512—1N4731A	DO-41	1	4.3	.09	.07
512—BZX85C4V3	DO-41	1	4.3	.09	.08
512—1N4732A	DO-41	1	4.7	.09	.07
512—BZX85C4V7	DO-41	1	4.7	.09	.08
512—1N4733A	DO-41	1	5.1	.09	.07
512—BZX85C5V1	DO-41	1	5.1	.09	.08
512—1N4734A	DO-41	1	5.6	.09	.07
512—BZX85C5V6	DO-41	1	5.6	.09	.08
512—1N4735A	DO-41	1	6.2	.09	.07
512—BZX85C6V2	DO-41	1	6.2	.09	.08
512—1N4736A	DO-41	1	6.8	.09	.08
512—BZX85C6V8	DO-41	1	6.8	.09	.08
512—1N4737A	DO-41	1	7.5	.09	.08
512—BZX85C7V5	DO-41	1	7.5	.11	.09
512—1N4738A	DO-41	1	8.2	.09	.08
512—BZX85C8V2	DO-41	1	8.2	.11	.09
512—1N4739A	DO-41	1	9.1	.09	.08
512—BZX85C9V1	DO-41	1	9.1	.11	.09
512—1N4740A	DO-41	1	10	.09	.08
512—BZX85C10	DO-41	1	10	.10	.08
512—1N4741A	DO-41	1	11	.09	.08
512—BZX85C11	DO-41	1	11	.10	.08
512—1N4742A	DO-41	1	12	.09	.08
512—BZX85C12	DO-41	1	12	.10	.08
512—1N4743A	DO-41	1	13	.09	.08
512—BZX85C13	DO-41	1	13	.10	.08

◆Surface Mount Device

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	PD (W)	VZ (V)	Price Each 1	Price Each 25
512—1N4744A	DO-41	1	15	.09	.08
512—BZX85C15	DO-41	1	15	.10	.08
512—1N4745A	DO-41	1	16	.09	.08
512—BZX85C16	DO-41	1	16	.10	.08
512—1N4746A	DO-41	1	18	.09	.08
512—BZX85C18	DO-41	1	18	.10	.08
512—1N4747A	DO-41	1	20	.09	.08
512—BZX85C20	DO-41	1	20	.10	.08
512—1N4748A	DO-41	1	22	.09	.08
512—BZX85C22	DO-41	1	22	.10	.08
512—1N4749A	DO-41	1	24	.09	.08
512—BZX85C24	DO-41	1	24	.10	.08
512—1N4750A	DO-41	1	27	.09	.08
512—BZX85C27	DO-41	1	27	.10	.08
512—1N4751A	DO-41	1	30	.09	.08
512—BZX85C30	DO-41	1	30	.10	.08
512—1N4752A	DO-41	1	33	.09	.08
512—BZX85C33	DO-41	1	33	.10	.08
512—1N4753A	DO-41	1	36	.10	.08
512—BZX85C36	DO-41	1	36	.10	.08
512—1N4754A	DO-41	1	39	.10	.08
512—BZX85C39	DO-41	1	39	.10	.08
512—1N4755A	DO-41	1	43	.10	.08
512—BZX85C43	DO-41	1	43	.10	.08
512—1N4756A	DO-41	1	47	.10	.08
512—BZX85C47	DO-41	1	47	.10	.08
512—1N4757A	DO-41	1	51	.10	.08
512—BZX85C51	DO-41	1	51	.10	.08
512—1N4758A	DO-41	1	56	.10	.08
512—BZX85C56	DO-41	1	56	.10	.08

AIRCHILD SEMICONDUCTOR SMALL SIGNAL DIODES

For quantities of 500 and up, call for quote.

OUSER STOCK NO. / Mfr. Part Number	Package	VRRM (V)	IFAV (A)	IFM (μA)	Price Each 1	Price Each 25	Price Each 100	Price Each 250
Single								
512—1N4148	DO-35	100	0.2	0.025	.05	.04	.02	.01
512—1N4446	DO-35	100	0.2	0.025	.05	.04	.03	.02
512—1N4448	DO-35	100	0.2	0.025	.05	.04	.03	.02
512—1N914	DO-35	100	0.2	0.025	.05	.04	.03	.02
512—1N914A	DO-35	100	0.2	0.025	.05	.04	.03	.02
512—1N914B	DO-35	100	0.2	0.025	.05	.04	.03	.02
512—1N916	DO-35	100	0.2	0.025	.05	.04	.03	.02
512—1N916A	DO-35	100	0.2	0.025	.05	.04	.03	.02
512—1N916B	DO-35	100	0.2	0.025	.05	.04	.03	.02
512—FDLL4148	LL-34	100	0.2	0.025	.05	.04	.03	.02
512—FDLL4448	LL-34	100	0.2	0.025	.05	.04	.03	.02
512—FDLL914	LL-34	100	0.2	0.025	.05	.04	.03	.02
512—FDLL914A	LL-34	100	0.2	0.025	.05	.04	.03	.02
512—FDLL914B	LL-34	100	0.2	0.025	.05	.04	.03	.02
512—MMBD1201	SOT-23	100	0.2	0.05	.06	.05	.04	.03
512—MMBD914	SOT-23	100	0.2	0.025	.07	.05	.04	.03
512—MMSD914	SOD-123	100	0.2	0.025	.15	.13	.08	.07
512—1N4149	DO-35	100	0.3	0.025	.05	.04	.03	.02
512—MMBD4448	SOT-23	100	0.6	0.025	.06	.05	.04	.03
512—MMSD4148	SOD-123	100	0.6	5	.14	.12	.09	.06
512—1N916	DO-35	100	0.2	0.025	.05	.04	.03	.02
512—1N916A	DO-35	100	0.2	0.025	.05	.04	.03	.02
512—1N916B	DO-35	100	0.2	0.025	.05	.04	.03	.02
512—FDLL4148	LL-34	100	0.2	0.025	.05	.04	.03	.02
512—FDLL4448	LL-34	100	0.2	0.025	.05	.04	.03	.02
512—FDLL914	LL-34	100	0.2	0.025	.05	.04	.03	.02
512—FDLL914A	LL-34	100	0.2	0.025	.05	.04	.03	.02
512—FDLL914B	LL-34	100	0.2	0.025	.05	.04	.03	.02
512—MMBD1201	SOT-23	100	0.2	0.05	.06	.05	.04	.03
512—MMBD914	SOT-23	100	0.2	0.025	.07	.05	.04	.03
512—MMSD914	SOD-123	100	0.2	0.025	.15	.13	.08	.07
512—1N4149	DO-35	100	0.3	0.025	.05	.04	.03	.02
512—MMBD4448	SOT-23	100	0.6	0.025	.06	.05	.04	.03
512—MMSD4148	SOD-123	100	0.6	5	.14	.12	.09	.06
512—MMBD4148	SOT-23	100	200	0.025	.06	.05	.04	.03
512—BAS19	SOT-23	120	0.2	0.1	.08	.05	.04	.03
512—BAS29	SOT-23	120	0.2	0.1	.08	.05	.04	.03
512—BAV19	DO-35	120	0.2	0.1	.07	.04	.03	.02
512—BAY72	DO-35	125	0.2	0.1	.06	.04	.03	.02
512—BAY73	DO-35	125	0.5	0.005	.06	.04	.03	.02
512—1N3595	DO-35	150	0.2	0.1	.06	.05	.04	.02
512—1N458A	DO-35	150	0.5	0.025	.05	.04	.03	.02
512—FDH300	DO-35	150	0.5	0.001	.07	.05	.04	.03
512—FDH300A	DO-35	150	0.5	0.001	.07	.05	.04	.03
512—FDH333	DO-35	150	0.5	0.003	.07	.05	.04	.03
512—FDH3595	DO-35	150	0.5	0.001	.07	.06	.05	.04
512—FDLL300	LL-34	150	0.5	0.001	.06	.05	.04	.03
512—FDLL300A	LL-34	150	0.5	0.001	.06	.05	.04	.03
512—FDLL333	LL-34	150	0.5	0.003	.06	.05	.04	.03
512—FDLL3595	LL-34	150	0.5	100	.06	.05	.04	.03

◆Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	VRRM (V)	IFAV (A)	IFM (μA)	Price Each 1	Price Each 25	Price Each 100	Price Each 250
512—FJH1101	DO-35	20	0.15	0.005	10.76	8.97	7.17	6.46
512—1N485B	DO-35	200	0.2	0.025	.05	.04	.03	.02
◆512—BAS20	SOT-23	200	0.2	0.1	.08	.05	.04	.03
512—BAV20	DO-35	200	0.2	0.1	.07	.04	.03	.02
◆512—MMBD1401	SOT-23	200	0.2	0.1	.06	.05	.04	.03
◆512—MMBD1501A	SOT-23	200	0.2	0.01	.07	.05	.04	.03
◆512—MMSD3070	SOD-123	200	0.2	0.1	.15	.12	.08	.06
512—1N3070	DO-35	200	0.5	0.1	.05	.04	.03	.02
512—1N459	DO-35	200	0.5	0.025	.05	.04	.03	.02
512—1N459A	DO-35	200	0.5	0.025	.05	.04	.03	.02
512—1N4938	DO-35	200	0.5	0.1	.05	.04	.03	.02
512—BAV102	LL-34	200	0.5	0.1	.11	.07	.05	.03
512—FDH400	DO-35	200	0.5	0.1	.06	.05	.04	.03
512—FDLL400	LL-34	200	0.5	0.1	.06	.05	.04	.03
512—FDLL485B	LL-34	200	0.5	0.025	.07	.06	.05	.03
512—1N486B	DO-35	250	0.2	0.05	.05	.04	.03	.02
512—BAV21	DO-35	250	0.2	0.1	.07	.04	.03	.02
512—BAV103	LL-34	250	0.5	0.1	.10	.07	.05	.03
◆512—BAS21	SOT-23	250	0.6	0.1	.07	.06	.04	.03
◆512—MMBD1401A	SOT-23	250	0.6	0.1	.06	.05	.04	.03
◆512—MMBD1701	SOT-23	30	0.05	0.05	.06	.05	.04	.03
512—FDH700	DO-35	30	0.15	0.05	.06	.05	.04	.03
512—FJH1100	DO-35	30	0.15	0.003	10.76	8.97	7.17	6.46
512—FJH1102	DO-35	30	0.15	0.1	10.27	8.57	6.85	6.16
512—1N456A	DO-35	30	0.5	0.025	.05	.04	.03	.02
512—1N4154	DO-35	35	0.3	0.1	.05	.04	.03	.02
512—1N4152	DO-35	40	0.2	0.05	.07	.04	.03	.02
512—BAY71	DO-35	50	0.3	0.1	.05	.04	.03	.02
512—1N457	DO-35	70	0.2	0.025	.05	.04	.03	.02
512—1N457A	DO-35	70	0.2	0.025	.05	.04	.03	.02
512—FDLL457A	LL-34	70	0.2	0.025	.06	.05	.04	.03
512—1N4151	DO-35	75	0.15	0.05	.07	.04	.03	.02
512—1N3064	DO-35	75	0.3	0.1	.05	.04	.03	.02
512—1N4305	DO-35	75	0.3	0.1	.05	.04	.03	.02
512—BAW62	DO-35	75	0.3	0.025	.05	.04	.03	.02
512—1N4150	DO-35	75	0.4	0.1	.06	.04	.03	.02
512—1N4454	DO-35	75	0.4	0.1	.05	.04	.03	.02
512—FDH600	DO-35	75	0.4	0.1	.07	.05	.04	.03
512—FDLL4150	LL-34	75	0.4	0.1	.06	.05	.04	.03
◆512—BAS16	SOT-23	85	0.2	1	.08	.05	.04	.03
512—BAW76	DO-35	85	0.3	0.1	.05	.04	.03	.02
Dual & Common Anode								
◆512—MMBD1205	SOT-23	100	0.2	0.05	.08	.06	.04	.03
◆512—MMBD4148CA	SOT-23	100	0.2	0.025	.08	.06	.04	.03
◆512—BAS35	SOT-23	120	0.2	0.1	.08	.07	.04	.03
◆512—MMBD1405	SOT-23	200	0.2	0.1	.08	.06	.05	.04
◆512—MMBD1505A	SOT-23	200	0.2	0.01	.09	.07	.05	.04
◆512—MMBD1405A	SOT-23	250	0.6	0.1	.09	.07	.05	.04
◆512—MMBD1705	SOT-23	30	0.05	0.05	.07	.06	.04	.03
◆512—BAW74	SOT-23	50	0.2	100	.10	.07	.04	.03
◆512—BAW56	SOT-23	85	0.2	2.5	.10	.07	.04	.03

FAIRCHILD SEMICONDUCTOR SMALL SIGNAL DIODES (cont.)

◆Surface Mount Devic

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part Number	Package	VRRM (V)	IFAV (A)	VFM (μA)	Price Each 1	25	100	250
Dual & Common Cathode									
◆512—MMBD1204		SOT-23	100	0.2	0.05	.08	.06	.04	.03
◆512—MMBD4148CC		SOT-23	100	0.2	0.025	.08	.06	.04	.03
◆512—MMBD1404		SOT-23	200	0.2	0.1	.07	.06	.04	.03
◆512—MMBD1504A		SOT-23	200	0.2	0.01	.09	.07	.05	.04
◆512—MMBD1404A		SOT-23	250	0.6	0.1	.09	.07	.05	.04
◆512—MMBD1704A		SOT-23	30	0.05	0.05	.07	.06	.04	.03
◆512—BAV74		SOT-23	50	0.2	0.1	.10	.07	.04	.03
◆512—BAV70		SOT-23	70	0.2	5	.10	.07	.04	.03
◆512—MMBD2838		SOT-23	75	0.2	0.1	.08	.06	.04	.03

For quantities of 500 and up, call for quot

MOUSER STOCK NO.	Mfr. Part Number	Package	VRRM Max (V)	IFAV (A)	VFM Max (μA)	Price Each 1	25	100	250
Dual Series									
◆512—MMBD1203		SOT-23	100	0.2	0.05	.08	.06	.04	.0
◆512—MMBD4148SE		SOT-23	100	0.2	0.025	.08	.06	.04	.0
◆512—MMBD7000		SOT-23	100	0.2	0.3	.08	.06	.04	.0
◆512—BAS31		SOT-23	120	0.2	0.1	.08	.07	.04	.0
◆512—MMBD1403		SOT-23	200	0.2	0.1	.07	.06	.04	.0
◆512—MMBD1503A		SOT-23	200	0.2	0.01	.09	.08	.06	.0
◆512—FLLD261		SOT-23	200	0.6	0.005	.07	.06	.05	.0
◆512—BAV23S		SOT-23	250	0.2	0.1	.10	.08	.05	.0
◆512—MMBD1403A		SOT-23	250	0.6	0.1	.07	.06	.04	.0
◆512—MMBD1703		SOT-23	30	0.05	0.05	.07	.06	.04	.0
◆512—BAV99		SOT-23	70	0.2	2.5	.10	.07	.04	.0

FAIRCHILD SEMICONDUCTOR ULTRAFAST DIODES

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Reverse Current (μA)	Max Reverse Recovery Time (ns)	Price Each 1	25	100	250
Single										
512-RURP860	RURP860	TO-220	600	8	1.5 V	70 ns	1.07	.91	.73	.6
512-RUR1S1560S9A	RUR1S1560S9A	TO-263	600	15	1.5 V	60 ns	3.64	3.04	2.17	1.7
512-RURP1560	RURP1560	TO-220	600	15	1.5 V	60 ns	1.97	1.65	1.33	1.1
512-RURG3060	RURG3060	TO-247	600	30	1.5 V	60 ns	3.47	2.89	2.32	1.9
512-RURP3060	RURP3060	TO-220	600	30	1.5 V	60 ns	3.60	3.00	2.14	1.7
512-RURG5060	RURG5060	TO-247	600	75	1.6 V	75 ns	7.41	6.17	4.41	3.5
512-RURG8060	RURG8060	TO-247	600	80	1.6 V	85 ns	7.38	6.15	4.93	4.1
512-RURP8100	RURP8100	TO-220	1000	8	1.8 V	100 ns	1.50	1.25	1.01	.8
512-RURG80100	RURG80100	TO-247	1000	80	1.9 V	200 ns	7.84	6.53	5.23	4.4
Common Cathode										
512-RURG1520CC	RURG1520CC	TO-247	200	15	1.05 V	35 ns	3.67	3.07	2.45	2.2
512-RURG3020CC	RURG3020CC	TO-247	200	30	1 V	50 ns	5.23	4.36	3.49	2.9
512-RURG3060CC	RURG3060CC	TO-247	600	30	1.5 V	60 ns	6.05	5.04	4.04	3.4

FAIRCHILD SEMICONDUCTOR DAMPER DIODES

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Reverse Current (μA)	Max Reverse Recovery Time (ns)	Price Each 1	25	100	250
Single										
512-FFPF04F150STU	FFPF04F150STU	TO-220F	1500	4	1.5 V	170 ns	.56	.47	.37	.3
512-FFPF04U150STU	FFPF04U150STU	TO-220F	1500	4	1.8 V	150 ns	.61	.51	.41	.3
512-FFPF06F150STU	FFPF06F150STU	TO-220F	1500	6	1.6 V	170 ns	.71	.60	.48	.4
512-FFPF06U150STU	FFPF06U150STU	TO-220F	1500	6	1.8 V	150 ns	.85	.70	.57	.5
512-FFPF10F150STU	FFPF10F150STU	TO-220F	1500	10	1.6 V	170 ns	.81	.67	.53	.4
512-FFPF10U150STU	FFPF10U150STU	TO-220F	1500	10	1.8 V	150 ns	.97	.81	.65	.5
512-FFPF14X150STU	FFPF14X150STU	TO-220F	1500	14	2.4 V	120 ns	1.25	1.04	.83	.7
512-FFAF10U170STU	FFAF10U170STU	TO-3PF	1700	10	2 V	140 ns	1.82	1.52	1.23	1.1
Series										
512-FFAF60A150DSTU	FFAF60A150DSTU	TO-3PF	600 - 1500	6 - 20	1.6 V	170 ns	1.68	1.41	1.13	1.0
512-FFPF60B150DSTU	FFPF60B150DSTU	TO-220F	600 - 1500	6 - 20	1.6 V	170 ns	1.04	.87	.70	.6

FAIRCHILD SEMICONDUCTOR STEALTH™ DIODES

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Reverse Current (μA)	Max Reverse Recovery Time (ns)	Price Each 1	25	100	250
Single										
512-ISL9R460P2	ISL9R460P2	TO-220	600	4	2.4 V	22 ns	1.39	1.16	.83	.6
512-ISL9R460PF2	ISL9R460PF2	TO-220F	600	4	2.4 V	22 ns	1.40	1.17	.83	.6
512-ISL9R860P2	ISL9R860P2	TO-220	600	8	2.4 V	30 ns	1.35	1.13	.81	.6
512-ISL9R860PF2	ISL9R860PF2	TO-220F	600	8	2.4 V	25 ns	1.68	1.40	1.00	.8
512-ISL9R1560G2	ISL9R1560G2	TO-247	600	15	2.2 V	40 ns	4.53	3.78	2.70	2.1
512-ISL9R1560P2	ISL9R1560P2	TO-220	600	15	2.2 V	40 ns	3.10	2.59	1.85	1.4
512-ISL9R1560PF2	ISL9R1560PF2	TO-220F	600	15	2.2 V	40 ns	2.80	2.33	1.67	1.3
◆512-FF1N30HS60DD	FF1N30HS60DD	SOT-227B	600	30	2.4 V	35 ns	32.10	26.75	21.40	19.2
512-ISL9R3060G2	ISL9R3060G2	TO-247	600	30	2.4 V	45 ns	6.13	5.11	3.65	2.9
512-ISL9R3060P2	ISL9R3060P2	TO-220	600	30	2.4 V	45 ns	5.20	4.34	3.10	2.4
512-ISL9R8120P2	ISL9R8120P2	TO-220	1200	8	3.3 V	44 ns	2.19	1.82	1.30	1.0
512-ISL9R18120G2	ISL9R18120G2	TO-247	1200	18	3.3 V	70 ns	4.20	3.50	2.50	2.0
512-ISL9R18120P2	ISL9R18120P2	TO-220	1200	18	3.3 V	70 ns	3.24	2.71	1.94	1.5
512-ISL9R30120G2	ISL9R30120G2	TO-247	1200	30	3.3 V	100 ns	6.55	5.46	3.90	3.1
512-ISL9K460P3	ISL9K460P3	TO-220	600	4	2.4 V	22 ns	2.39	1.99	1.42	1.1
512-ISL9K860P3	ISL9K860P3	TO-220	600	8	2.4 V	30 ns	3.34	2.78	1.99	1.5
512-ISL9K1560G3	ISL9K1560G3	TO-247	600	15	2.2 V	30 ns	7.21	6.01	4.29	3.4
512-ISL9K3060G3	ISL9K3060G3	TO-247	600	30	2.2 V	45 ns	9.51	7.92	5.66	4.5
512-ISL9K8120P3	ISL9K8120P3	TO-220	1200	8	3.3 V	44 ns	3.58	2.99	2.13	1.7
512-ISL9K18120G3	ISL9K18120G3	TO-247	1200	18	3.3 V	70 ns	5.41	4.67	3.61	3.0
512-ISL9K30120G3	ISL9K30120G3	TO-247	1200	30	3.3 V	100 ns	10.92	9.10	6.50	5.2

FAIRCHILD Rectifiers

FAIRCHILD SEMICONDUCTOR

AIRCHILD SEMICONDUCTOR SCHOTTKY BARRIER RECTIFIERS

Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Reverse Current (μA)	Max Reverse Recovery Time (ns)	Price Each			
							1	25	100	250
Single										
512-MBR0520L	MBR0520L	SOD-123	20	0.5	-	-	.28	.26	.19	.14
512-1N5817	1N5817	DO-41	20	1	-	-	.21	.18	.12	.10
512-SB120	SB120	DO-41	20	1	-	-	.21	.17	.13	.09
512-SS12	SS12	SMA	20	1	-	-	.32	.26	.19	.15
512-SS22	SS22	SMB	20	2	-	-	.41	.35	.25	.20
512-1N5820	1N5820	DO-201AD	20	3	-	-	.53	.44	.32	.25
512-MBRS320	MBRS320	SMC	20	3	-	-	.85	.77	.59	.42
512-SB320	SB320	DO-201AD	20	3	-	-	.48	.41	.29	.23
512-SS32	SS32	SMC	20	3	-	-	.62	.51	.38	.29
512-SB520	SB520	DO-201AD	20	5	-	-	.52	.43	.31	.25
512-BAR43	BAR43	SOT-23	30	0.2	-	-	.08	.07	.04	.03
512-FYV0203SMTF	FYV0203SMTF	SOT-23	30	0.2	-	-	.09	.07	.06	.05
512-BAT54	BAT54	SOT-23	30	0.3	-	-	.10	.08	.05	.03
512-1N5818	1N5818	DO-41	30	1	-	-	.21	.18	.12	.10
512-FMKA130L	FMKA130L	SMA	30	1	-	-	.29	.24	.18	.15
512-MBRS130	MBRS130	SMB	30	1	-	-	.44	.40	.30	.23
512-MBRS130L	MBRS130L	SMB	30	1	-	-	.48	.43	.33	.24
512-SB130	SB130	DO-41	30	1	-	-	.21	.17	.13	.09
512-SS13	SS13	SMA	30	1	-	-	.32	.26	.19	.15
512-SS23	SS23	SMB	30	2	-	-	.41	.35	.25	.20
512-1N5821	1N5821	DO-201AD	30	3	-	-	.53	.44	.32	.25
512-SB330	SB330	DO-201AD	30	3	-	-	.50	.43	.30	.24
512-SS33	SS33	SMC	30	3	-	-	.62	.51	.38	.29
512-SB530	SB530	DO-201AD	30	5	-	-	.52	.43	.31	.25
512-MBR735	MBR735	TO-220AC	35	7.5	-	-	1.44	1.31	1.02	.74
512-MBR1035	MBR1035	TO-220AC	35	10	-	-	1.44	1.31	1.02	.74
512-MBR1635	MBR1635	TO-220AC	35	16	-	-	1.68	1.51	1.19	.86
512-MBR0540	MBR0540	SOD-123	40	0.5	-	-	.28	.26	.19	.14
512-FYV0704SMTF	FYV0704SMTF	SOT-23	40	0.75	-	-	.09	.08	.07	.06
512-1N5819	1N5819	DO-41	40	1	-	-	.21	.18	.12	.10
512-FMKA140	FMKA140	SMA	40	1	-	-	.31	.26	.19	.15
512-MBRS140	MBRS140	SMB	40	1	-	-	.43	.39	.30	.22
512-SB140	SB140	DO-41	40	1	-	-	.21	.17	.13	.09
512-SS14	SS14	SMA	40	1	-	-	.28	.22	.14	.12
512-SS24	SS24	SMB	40	2	-	-	.41	.34	.24	.19
512-1N5822	1N5822	DO-201AD	40	3	-	-	.52	.44	.31	.25
512-MBRS340	MBRS340	SMC	40	3	-	-	.88	.79	.61	.43
512-SB340	SB340	DO-201AD	40	3	-	-	.48	.41	.29	.23
512-SS34	SS34	SMC	40	3	-	-	.62	.51	.38	.29
512-FYD0504SATM	FYD0504SATM	TO-252	40	5	-	-	.53	.45	.39	.32
512-SB540	SB540	DO-201AD	40	5	-	-	.52	.43	.31	.25
512-FYPF0545STU	FYPF0545STU	TO-220F	45	5	-	-	.55	.46	.41	.35
512-MBR745	MBR745	TO-220AC	45	7.5	-	-	1.55	1.40	1.09	.78
512-MBR1045	MBR1045	TO-220AC	45	10	-	-	1.55	1.40	1.09	.78
512-MBR1645	MBR1645	TO-220AC	45	16	-	-	1.68	1.51	1.19	.86
512-SB150	SB150	DO-41	50	1	-	-	.19	.17	.12	.10
512-SS15	SS15	SMA	50	1	-	-	.36	.30	.22	.17
512-RS1A	RS1A	SMA	50	1	-	-	.17	.14	.09	.07
512-SS25	SS25	SMB	50	2	-	-	.46	.39	.28	.23
512-SB350	SB350	DO-201AD	50	3	-	-	.49	.42	.30	.24
512-SS35	SS35	SMC	50	3	-	-	.69	.56	.41	.32
512-SB550	SB550	DO-201AD	50	5	-	-	.57	.48	.35	.27
512-MBR750	MBR750	TO-220AC	50	7.5	-	-	1.44	1.31	1.02	.74
512-MBR1050	MBR1050	TO-220AC	50	10	-	-	1.44	1.31	1.02	.74
512-MBR1650	MBR1650	TO-220AC	50	16	-	-	1.68	1.51	1.19	.86
512-SB160	SB160	DO-41	60	1	-	-	.21	.18	.13	.11
512-SS16	SS16	SMA	60	1	-	-	.34	.28	.21	.16
512-SS26	SS26	SMB	60	2	-	-	.46	.39	.28	.23
512-SB360	SB360	DO-201AD	60	3	-	-	.49	.42	.30	.24
512-SS36	SS36	SMC	60	3	-	-	.69	.56	.41	.32
512-SB560	SB560	DO-201AD	60	5	-	-	.57	.48	.35	.27
512-MBR760	MBR760	TO-220AC	60	7.5	-	-	1.44	1.31	1.02	.74
512-MBR1060	MBR1060	TO-220AC	60	10	-	-	1.55	1.40	1.09	.78
512-MBR1660	MBR1660	TO-220AC	60	16	-	-	1.68	1.51	1.19	.86
512-SB180	SB180	DO-41	80	1	-	-	.23	.19	.14	.12
512-SS18	SS18	SMA	80	1	-	-	.37	.30	.23	.18
512-SS28	SS28	SMB	80	2	-	-	.55	.45	.33	.26
512-SB380	SB380	DO-201AD	80	3	-	-	.52	.43	.31	.25
512-SS38	SS38	SMC	80	3	-	-	.83	.68	.50	.41
512-SB580	SB580	DO-201AD	80	5	-	-	.80	.66	.48	.39
512-SS19	SS19	SMA	90	1	-	-	.42	.36	.26	.21
512-SS29	SS29	SMB	90	2	-	-	.67	.56	.40	.31
512-SS39	SS39	SMC	90	3	-	-	1.09	.94	.53	.43
512-SB1100	SB1100	DO-41	100	1	-	-	.27	.22	.16	.13
512-RS1B	RS1B	SMA	100	1	-	-	.17	.14	.09	.07
512-S210	S210	SMB	100	2	-	-	.79	.67	.48	.39
512-S310	S310	SMC	100	3	-	-	.98	.82	.58	.47
512-SB3100	SB3100	DO-201AD	100	3	-	-	.73	.62	.44	.36
512-SB5100	SB5100	DO-201AD	100	5	-	-	.93	.77	.55	.44
512-FMKA130	FMKA130	SMA	130	1	-	-	.28	.23	.17	.14
512-RS1D	RS1D	SMA	200	1	-	-	.16	.13	.08	.06
512-RS1G	RS1G	SMA	400	1	-	-	.16	.13	.08	.06
512-RS1J	RS1J	SMA	600	1	-	-	.18	.15	.11	.08
512-RS1K	RS1K	SMA	800	1	-	-	.18	.15	.11	.08
512-RS1M	RS1M	SMA	1000	1	-	-	.18	.15	.11	.08

FAIRCHILD Rectifiers

FAIRCHILD SEMICONDUCTOR

FAIRCHILD SEMICONDUCTOR SCHOTTKY BARRIER RECTIFIERS (cont.)

◆Surface Mount Device

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Reverse Current (μA)	Max Reverse Recovery Time (ns)	Price Each 1	25	100	250
Dual & Common Anode										
◆512-BAT54A	BAT54A	SOT-23	30	0.3	-	-	.13	.10	.06	.05
Dual & Common Cathode										
◆512-BAR43C	BAR43C	SOT-23	30	0.2	-	-	.14	.10	.06	.05
◆512-FYV0203DNMTF	FYV0203DNMTF	SOT-23	30	0.2	-	-	.08	.06	.05	.04
◆512-BAT54C	BAT54C	SOT-23	30	0.3	-	-	.13	.10	.06	.05
512-MBR1535CT	MBR1535CT	TO-220AB	35	15	-	-	1.81	1.62	1.26	.90
512-MBR2035CT	MBR2035CT	TO-220AB	35	20	-	-	2.22	1.99	1.57	1.13
512-MBR2535CT	MBR2535CT	TO-220AB	35	30	-	-	2.41	2.17	1.69	1.23
512-MBR3035PT	MBR3035PT	TO-247	35	30	-	-	3.08	2.77	2.16	1.55
512-MBR4035PT	MBR4035PT	TO-247	35	40	-	-	3.61	3.25	2.54	1.82
512-FYP1004DNTU	FYP1004DNTU	TO-220	40	10	-	-	.62	.51	.45	.38
512-FYPF1004DNTU	FYPF1004DNTU	TO-220F	40	10	-	-	.69	.58	.50	.42
512-FYP1504DNTU	FYP1504DNTU	TO-220	40	15	-	-	.75	.63	.55	.45
512-FYPF1504DNTU	FYPF1504DNTU	TO-220F	40	15	-	-	.76	.64	.55	.45
512-FYP2004DNTU	FYP2004DNTU	TO-220	40	20	-	-	.78	.64	.57	.47
512-FYPF2004DNTU	FYPF2004DNTU	TO-220F	40	20	-	-	.80	.66	.59	.47
512-FYAF3004DNTU	FYAF3004DNTU	TO-3PF	40	30	-	-	1.45	1.22	1.07	.89
512-FYP1045DNTU	FYP1045DNTU	TO-220	45	10	-	-	.62	.51	.46	.38
512-FYPF1045DNTU	FYPF1045DNTU	TO-220F	45	10	-	-	.63	.53	.46	.39
512-FYPF2045DNTU	FYPF2045DNTU	TO-220F	45	10	-	-	.79	.65	.59	.47
512-FYP1545DNTU	FYP1545DNTU	TO-220	45	15	-	-	.75	.63	.55	.45
512-FYPF1545DNTU	FYPF1545DNTU	TO-220F	45	15	-	-	.75	.63	.56	.45
512-MBR1545CT	MBR1545CT	TO-220AB	45	15	-	-	1.68	1.51	1.19	.86
512-MBRP1545NTU	MBRP1545NTU	TO-220	45	15	-	-	1.14	1.01	.79	.56
512-FYP2045DNTU	FYP2045DNTU	TO-220	45	20	-	-	.78	.65	.57	.47
512-MBR2045CT	MBR2045CT	TO-220AB	45	20	-	-	2.22	1.99	1.57	1.13
512-MBRP2045NTU	MBRP2045NTU	TO-220	45	20	-	-	1.14	1.01	.79	.56
512-FYAF3045DNTU	FYAF3045DNTU	TO-3PF	45	30	-	-	1.33	1.12	.97	.81
512-MBR2545CT	MBR2545CT	TO-220AB	45	30	-	-	2.42	2.18	1.69	1.27
512-MBR3045PT	MBR3045PT	TO-247	45	30	-	-	3.30	2.97	2.31	1.68
512-MBRA3045NTU	MBRA3045NTU	TO-3P	45	30	-	-	1.89	1.70	1.33	.96
512-MBRP3045NTU	MBRP3045NTU	TO-220	45	30	-	-	1.27	1.15	.89	.64
512-MBR4045PT	MBR4045PT	TO-247	45	40	-	-	3.84	3.46	2.69	1.93
512-MBR1550CT	MBR1550CT	TO-220AB	50	15	-	-	1.68	1.51	1.19	.86
512-MBR2050CT	MBR2050CT	TO-220AB	50	20	-	-	2.22	1.99	1.57	1.13
512-MBR2550CT	MBR2550CT	TO-220AB	50	30	-	-	2.41	2.17	1.69	1.23
512-MBR3050PT	MBR3050PT	TO-247	50	30	-	-	3.08	2.77	2.16	1.55
512-MBR4050PT	MBR4050PT	TO-247	50	40	-	-	3.61	3.25	2.54	1.82
512-MBR1560CT	MBR1560CT	TO-220AB	60	15	-	-	1.68	1.51	1.19	.86
512-FYP2006DNTU	FYP2006DNTU	TO-220	60	20	-	-	1.10	.93	.82	.66
512-FYPF2006DNTU	FYPF2006DNTU	TO-220F	60	20	-	-	1.14	.97	.87	.70
512-MBR2060CT	MBR2060CT	TO-220AB	60	20	-	-	2.22	1.99	1.57	1.13
512-MBR2560CT	MBR2560CT	TO-220AB	60	30	-	-	2.41	2.17	1.69	1.23
512-MBR3060PT	MBR3060PT	TO-247	60	30	-	-	3.08	2.77	2.16	1.55
512-MBR4060PT	MBR4060PT	TO-247	60	40	-	-	3.84	3.46	2.69	1.93
512-FYP1010DNTU	FYP1010DNTU	TO-220	100	10	-	-	.75	.63	.55	.45
512-FYPF1010DNTU	FYPF1010DNTU	TO-220F	100	10	-	-	.75	.63	.50	.45
512-FYP2010DNTU	FYP2010DNTU	TO-220	100	20	-	-	.87	.72	.63	.52
512-FYPF2010DNTU	FYPF2010DNTU	TO-220F	100	20	-	-	.87	.72	.64	.52
512-MBRP3010NTU	MBRP3010NTU	TO-220	100	30	-	-	1.36	1.23	.96	.81
Dual Series										
◆512-BAR43S	BAR43S	SOT-23	30	0.2	-	-	.14	.10	.06	.05
◆512-FYV0203DSMTF	FYV0203DSMTF	SOT-23	30	0.2	-	-	.08	.06	.05	.04
◆512-BAT54S	BAT54S	SOT-23	30	0.3	-	-	.13	.10	.06	.05

FAIRCHILD SEMICONDUCTOR GENERAL PURPOSE RECTIFIERS

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Reverse Current (μA)	Max Reverse Recovery Time (ns)	Price Each 1	25	100	250
Single										
512-1N4001	1N4001	DO-41	50	1	1.1 V	-	.05	.04	.03	.02
512-1N4001GP	1N4001GP	DO-41	50	1	1.1 V	-	.14	.12	.07	.05
◆512-GF1A	GF1A	SMA	50	1	1 V	2000 ns	.28	.23	.17	.12
◆512-S1A	S1A	SMA	50	1	1.1 V	1800 ns	.16	.14	.10	.07
512-1N5391	1N5391	DO-15	50	1.5	1.4 V	-	.07	.05	.04	.03
◆512-S2A	S2A	SMB	50	1.5	1.15 V	2000 ns	.18	.15	.12	.09
512-1N5400	1N5400	DO-201AD	50	3	1.2 V	-	.19	.16	.12	.09
◆512-S3A	S3A	SMC	50	3	1.2 V	2500 ns	.45	.38	.27	.21
512-1N4002	1N4002	DO-41	100	1	1.1 V	-	.05	.04	.03	.02
512-1N4002GP	1N4002GP	DO-41	100	1	1.1 V	-	.14	.12	.07	.05
◆512-GF1B	GF1B	SMA	100	1	1 V	2000 ns	.28	.23	.17	.12
◆512-S1B	S1B	SMA	100	1	1.1 V	1800 ns	.16	.14	.10	.07
512-1N5392	1N5392	DO-15	100	1.5	1.4 V	-	.07	.05	.04	.03
◆512-S2B	S2B	SMB	100	1.5	1.15 V	2000 ns	.21	.17	.13	.10
512-1N5401	1N5401	DO-201AD	100	3	1.2 V	-	.19	.16	.12	.09
◆512-S3B	S3B	SMC	100	3	1.2 V	2500 ns	.45	.36	.27	.21
512-1N4003	1N4003	DO-41	200	1	1.1 V	-	.05	.04	.03	.02
512-1N4003GP	1N4003GP	DO-41	200	1	1.1 V	-	.14	.12	.07	.05
◆512-GF1D	GF1D	SMA	200	1	1 V	2000 ns	.28	.23	.17	.12
◆512-S1D	S1D	SMA	200	1	1.1 V	1800 ns	.16	.14	.10	.07
512-1N5393	1N5393	DO-15	200	1.5	1.4 V	-	.07	.05	.04	.03
◆512-S2D	S2D	SMB	200	1.5	1.15 V	2000 ns	.21	.17	.13	.10
512-1N5402	1N5402	DO-201AD	200	3	1.2 V	-	.19	.16	.12	.09
◆512-S3D	S3D	SMC	200	3	1.2 V	2500 ns	.47	.40	.28	.21

FAIRCHILD Rectifiers

FAIRCHILD SEMICONDUCTOR

AIRCHILD SEMICONDUCTOR GENERAL PURPOSE RECTIFIERS (cont.)

Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Reverse Current (μA)	Max Reverse Recovery Time (ns)	Price Each 1	25	100	250
Single										
512-1N5394	1N5394	DO-15	300	1.5	1.4 V	-	.07	.05	.04	.03
512-1N5403	1N5403	DO-201AD	300	3	1.2 V	-	.19	.16	.12	.09
512-1N4004	1N4004	DO-41	400	1	1.1 V	-	.05	.04	.03	.02
512-1N4004GP	1N4004GP	DO-41	400	1	1.1 V	-	.14	.12	.07	.06
512-GF1G	GF1G	SMA	400	1	1 V	2000 ns	.28	.23	.17	.13
512-S1G	S1G	SMA	400	1	1.1 V	1800 ns	.16	.14	.10	.07
512-1N5395	1N5395	DO-15	400	1.5	1.4 V	-	.07	.05	.04	.03
512-S2G	S2G	SMB	400	1.5	1.15 V	2000 ns	.21	.17	.13	.09
512-1N5404	1N5404	DO-201AD	400	3	1.2 V	-	.19	.16	.12	.09
512-S3G	S3G	SMC	400	3	1.2 V	2500 ns	.47	.40	.28	.23
512-1N5396	1N5396	DO-15	500	1.5	1.4 V	-	.07	.06	.04	.03
512-1N5405	1N5405	DO-201AD	500	3	1.2 V	-	.20	.17	.11	.09
512-1N4005	1N4005	DO-41	600	1	1.1 V	-	.05	.04	.03	.02
512-1N4005GP	1N4005GP	DO-41	600	1	1.1 V	-	.13	.12	.08	.06
512-GF1J	GF1J	SMA	600	1	1 V	2000 ns	.28	.23	.17	.13
512-S1J	S1J	SMA	600	1	1.1 V	1800 ns	.16	.14	.10	.07
512-1N5397	1N5397	DO-15	600	1.5	1.4 V	-	.07	.06	.04	.03
512-S2J	S2J	SMB	600	1.5	1.15 V	2000 ns	.21	.17	.13	.09
512-1N5406	1N5406	DO-201AD	600	3	1.2 V	-	.20	.17	.11	.09
512-S3J	S3J	SMC	600	3	1.2 V	2500 ns	.50	.42	.29	.24
512-1N4006	1N4006	DO-41	800	1	1.1 V	-	.05	.04	.03	.02
512-1N4006GP	1N4006GP	DO-41	800	1	1.1 V	-	.13	.12	.08	.06
512-GF1K	GF1K	SMA	800	1	1.2 V	2000 ns	.28	.23	.17	.13
512-S1K	S1K	SMA	800	1	1.1 V	1800 ns	.16	.14	.10	.07
512-1N5398	1N5398	DO-15	800	1.5	1.4 V	-	.07	.06	.04	.03
512-S2K	S2K	SMB	800	1.5	1.15 V	2000 ns	.22	.19	.14	.10
512-1N5407	1N5407	DO-201AD	800	3	1.2 V	-	.20	.17	.11	.09
512-S3K	S3K	SMC	800	3	1.2 V	2500 ns	.46	.39	.28	.23
512-1N4007	1N4007	DO-41	1000	1	1.1 V	-	.05	.04	.03	.02
512-1N4007GP	1N4007GP	DO-41	1000	1	1.1 V	-	.13	.12	.08	.06
512-GF1M	GF1M	SMA	1000	1	1.2 V	2000 ns	.28	.23	.17	.13
512-S1M	S1M	SMA	1000	1	1.1 V	1800 ns	.17	.15	.09	.08
512-1N5399	1N5399	DO-15	1000	1.5	1.4 V	-	.07	.06	.04	.03
512-S2M	S2M	SMB	1000	1.5	1.15 V	2000 ns	.23	.19	.14	.12
512-1N5408	1N5408	DO-201AD	1000	3	1.2 V	-	.20	.17	.11	.09
512-S3M	S3M	SMC	1000	3	1.2 V	2500 ns	.54	.44	.32	.26

AIRCHILD SEMICONDUCTOR FAST RECOVERY RECTIFIERS

Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Reverse Current (μA)	Max Reverse Recovery Time (ns)	Price Each 1	25	100	250
Single										
512-1N4933	1N4933	DO-41	50	1	1.2 V	150 ns	.07	.06	.04	.03
512-1N4933GP	1N4933GP	DO-41	50	1	1.2 V	150 ns	.15	.13	.08	.06
512-RGF1A	RGF1A	SMA	50	1	1.3 V	150 ns	.28	.23	.18	.13
512-RGP10A	RGP10A	DO-41	50	1	1.3 V	150 ns	.16	.13	.08	.06
512-1N4934	1N4934	DO-41	100	1	1.2 V	150 ns	.07	.06	.04	.03
512-1N4934GP	1N4934GP	DO-41	100	1	1.2 V	150 ns	.16	.14	.09	.07
512-RGF1B	RGF1B	SMA	100	1	1.3 V	150 ns	.28	.23	.18	.13
512-RGP10B	RGP10B	DO-41	100	1	1.3 V	150 ns	.16	.13	.08	.06
512-1N4935	1N4935	DO-41	200	1	1.2 V	150 ns	.07	.06	.04	.03
512-1N4935GP	1N4935GP	DO-41	200	1	1.2 V	150 ns	.16	.14	.09	.07
512-RGF1D	RGF1D	SMA	200	1	1.3 V	150 ns	.30	.25	.19	.14
512-RGP10D	RGP10D	DO-41	200	1	1.3 V	150 ns	.16	.13	.08	.06
512-1N4936	1N4936	DO-41	400	1	1.2 V	150 ns	.07	.06	.04	.03
512-1N4936GP	1N4936GP	DO-41	400	1	1.2 V	150 ns	.16	.14	.09	.07
512-RGF1G	RGF1G	SMA	400	1	1.3 V	150 ns	.30	.25	.19	.14
512-RGP10G	RGP10G	DO-41	400	1	1.3 V	150 ns	.16	.13	.08	.06
512-1N4937	1N4937	DO-41	600	1	1.2 V	150 ns	.07	.06	.04	.03
512-1N4937GP	1N4937GP	DO-41	600	1	1.2 V	150 ns	.16	.14	.09	.07
512-RGF1J	RGF1J	SMA	600	1	1.3 V	250 ns	.30	.25	.19	.14
512-RGP10J	RGP10J	DO-41	600	1	1.3 V	250 ns	.17	.14	.09	.07
512-RGF1K	RGF1K	SMA	800	1	1.3 V	500 ns	.30	.25	.19	.14
512-RGP10K	RGP10K	DO-41	800	1	1.3 V	500 ns	.17	.14	.09	.07
512-RGF1M	RGF1M	SMA	1000	1	1.3 V	500 ns	.30	.25	.19	.14
512-RGP10M	RGP10M	DO-41	1000	1	1.3 V	500 ns	.13	.11	.09	.08

AIRCHILD SEMICONDUCTOR ULTRAFAST RECOVERY RECTIFIERS

urface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Reverse Current (μA)	Max Reverse Recovery Time (ns)	Price Each 1	25	100	250
Single										
512-EGF1A	EGF1A	SMA	50	1	1 V	50 ns	.42	.37	.25	.20
512-EGP10A	EGP10A	DO-41	50	1	1 V	50 ns	.34	.29	.20	.15
512-ES1A	ES1A	SMA	50	1	0.92 V	15 ns	.20	.18	.12	.10
512-UF4001	UF4001	DO-41	50	1	1 V	50 ns	.14	.12	.09	.07
512-EGP20A	EGP20A	DO-15	50	2	0.95 V	50 ns	.42	.37	.27	.21
512-ES2A	ES2A	SMB	50	2	0.95 V	20 ns	.25	.21	.16	.12
512-EGP30A	EGP30A	DO-201AD	50	3	0.95 V	50 ns	.61	.53	.39	.31
512-ES3A	ES3A	SMC	50	3	0.95 V	20 ns	.40	.34	.26	.20
512-FES16AT	FES16AT	TO-220AC	50	16	0.975 V	35 ns	.94	.79	.63	.56
512-FES16ATR	FES16ATR	TO-220AC	50	16	0.975 V	35 ns	.95	.79	.64	.58
512-EGF1B	EGF1B	SMA	100	1	1 V	50 ns	.48	.42	.29	.22
512-EGP10B	EGP10B	DO-41	100	1	1 V	50 ns	.34	.29	.20	.15
512-ES1B	ES1B	SMA	100	1	0.92 V	15 ns	.20	.18	.12	.10
512-UF4002	UF4002	DO-41	100	1	1 V	50 ns	.14	.12	.09	.07

FAIRCHILD Rectifiers

FAIRCHILD SEMICONDUCTOR

FAIRCHILD SEMICONDUCTOR ULTRAFAST RECOVERY RECTIFIERS (cont.)

♦ Surface Mount Device

For quantities of 500 and up, call for quot

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Reverse Current (μA)	Max Reverse Recovery Time (ns)	Price Each 1	25	100	250
Single										
512-EGP20B	EGP20B	DO-15	100	2	0.95 V	50 ns	.42	.37	.27	.21
♦512-ES2B	ES2B	SMB	100	2	0.95 V	20 ns	.25	.21	.16	.12
512-EGP30B	EGP30B	DO-201AD	100	3	0.95 V	50 ns	.61	.53	.39	.31
♦512-ES3B	ES3B	SMC	100	3	0.95 V	20 ns	.40	.34	.26	.20
512-FES16BT	FES16BT	TO-220AC	100	16	0.975 V	35 ns	.94	.79	.63	.56
♦512-EGF1C	EGF1C	SMA	150	1	1 V	50 ns	.47	.41	.28	.22
512-EGP10C	EGP10C	DO-41	150	1	1 V	50 ns	.34	.29	.20	.15
♦512-ES1C	ES1C	SMA	150	1	0.92 V	15 ns	.20	.18	.12	.10
512-EGP20C	EGP20C	DO-15	150	2	0.95 V	50 ns	.42	.37	.27	.21
♦512-ES2C	ES2C	SMB	150	2	0.95 V	20 ns	.25	.21	.16	.12
512-EGP30C	EGP30C	DO-201AD	150	3	0.95 V	50 ns	.68	.60	.44	.36
♦512-ES3C	ES3C	SMC	150	3	0.95 V	20 ns	.40	.34	.26	.20
512-FES16CT	FES16CT	TO-220AC	150	16	0.975 V	35 ns	1.04	.87	.70	.63
♦512-EGF1D	EGF1D	SMA	200	1	1 V	50 ns	.38	.32	.24	.19
512-EGP10D	EGP10D	DO-41	200	1	1 V	50 ns	.27	.24	.18	.14
♦512-ES1D	ES1D	SMA	200	1	0.92 V	15 ns	.20	.17	.12	.09
512-UF4003	UF4003	DO-41	200	1	1 V	50 ns	.14	.12	.09	.07
512-EGP20D	EGP20D	DO-15	200	2	0.95 V	50 ns	.60	.52	.38	.30
♦512-ES2D	ES2D	SMB	200	2	0.95 V	20 ns	.27	.24	.18	.14
512-EGP30D	EGP30D	DO-201AD	200	3	0.95 V	50 ns	.68	.60	.44	.34
♦512-ES3D	ES3D	SMC	200	3	0.95 V	20 ns	.49	.43	.29	.23
512-FES16DT	FES16DT	TO-220AC	200	16	0.975 V	35 ns	1.00	.85	.68	.61
512-EGP10F	EGP10F	DO-41	300	1	1.25 V	50 ns	.27	.24	.18	.14
512-EGP20F	EGP20F	DO-15	300	2	1.25 V	50 ns	.60	.52	.38	.30
512-EGP30F	EGP30F	DO-201AD	300	3	1.25 V	50 ns	.68	.60	.44	.34
512-FES16FT	FES16FT	TO-220AC	300	16	1.3 V	50 ns	1.06	.88	.71	.64
512-EGP10G	EGP10G	DO-41	400	1	1.25 V	50 ns	.27	.24	.18	.14
512-UF4004	UF4004	DO-41	400	1	1 V	50 ns	.14	.12	.09	.07
512-EGP20G	EGP20G	DO-15	400	2	1.25 V	50 ns	.60	.52	.38	.30
512-EGP30G	EGP30G	DO-201AD	400	3	1.25 V	50 ns	.68	.60	.44	.34
512-FES16GT	FES16GT	TO-220AC	400	16	1.3 V	50 ns	1.05	.88	.71	.63
512-FES16HT	FES16HT	TO-220AC	500	16	1.5 V	50 ns	1.04	.87	.70	.63
512-EGP10J	EGP10J	DO-41	600	1	1.7 V	75 ns	.27	.24	.18	.14
512-UF4005	UF4005	DO-41	600	1	1.7 V	75 ns	.14	.12	.09	.07
512-EGP20J	EGP20J	DO-15	600	2	1.7 V	75 ns	.60	.52	.38	.30
512-EGP30J	EGP30J	DO-201AD	600	3	1.7 V	75 ns	.68	.60	.44	.34
512-EGP10K	EGP10K	DO-41	800	1	1.7 V	75 ns	.27	.24	.18	.14
512-UF4006	UF4006	DO-41	800	1	1.7 V	75 ns	.14	.12	.09	.07
512-EGP20K	EGP20K	DO-15	800	2	1.7 V	75 ns	.60	.52	.38	.30
512-EGP30K	EGP30K	DO-201AD	800	3	1.7 V	75 ns	.68	.60	.44	.34
512-UF4007	UF4007	DO-41	1000	1	1.7 V	75 ns	.15	.13	.09	.07
Common Anode										
512-FEP16ATA	FEP16ATA	TO-220AB	50	16	0.975 V	35 ns	1.01	.86	.69	.62
512-FEP16BTA	FEP16BTA	TO-220AB	100	16	0.975 V	35 ns	1.01	.86	.69	.62
512-FEP16CTA	FEP16CTA	TO-220AB	150	16	0.975 V	35 ns	1.01	.86	.69	.62
512-FEP16DTA	FEP16DTA	TO-220AB	200	16	0.975 V	35 ns	1.03	.86	.69	.62
512-FEP16FTA	FEP16FTA	TO-220AB	300	16	1.3 V	50 ns	1.08	.91	.73	.66
512-FEP16GTA	FEP16GTA	TO-220AB	400	16	1.3 V	50 ns	1.07	.90	.72	.65
512-FEP16HTA	FEP16HTA	TO-220AB	500	16	1.5 V	50 ns	1.07	.90	.72	.65
512-FEP16JTA	FEP16JTA	TO-220AB	600	16	1.5 V	50 ns	1.05	.89	.71	.64
Common Cathode										
512-FEP16AT	FEP16AT	TO-220AB	50	16	0.975 V	35 ns	1.01	.86	.69	.62
512-FEP16BT	FEP16BT	TO-220AB	100	16	0.975 V	35 ns	1.01	.86	.69	.62
512-FEP16CT	FEP16CT	TO-220AB	150	16	0.975 V	35 ns	1.01	.86	.69	.62
512-FEP16DT	FEP16DT	TO-220AB	200	16	0.975 V	35 ns	1.01	.86	.69	.62
512-FEP16FT	FEP16FT	TO-220AB	300	16	1.3 V	50 ns	1.01	.86	.69	.62
512-FEP16GT	FEP16GT	TO-220AB	400	16	1.3 V	50 ns	1.01	.86	.69	.62
512-FEP16HT	FEP16HT	TO-220AB	500	16	1.5 V	50 ns	1.01	.86	.69	.62
512-FFPF05U60DNTU	FFPF05U60DNTU	TO-220F	600	5	2.3 V	80 ns	.75	.63	.51	.40
512-FEP16JT	FEP16JT	TO-220AB	600	16	1.5 V	50 ns	1.03	.86	.69	.62
512-FFP20U60DNTU	FFP20U60DNTU	TO-220	600	20	2.2 V	90 ns	1.49	1.24	.99	.89
512-FFP30U60DNTU	FFP30U60DNTU	TO-220	600	30	2.3 V	90 ns	1.72	1.43	1.15	1.03
512-FFA15U120DNTU	FFA15U120DNTU	TO-3P	1200	15	3.5 V	100 ns	5.30	4.44	3.58	3.22
Dual Series										
512-FEP16ATD	FEP16ATD	TO-220AB	50	16	0.975 V	35 ns	1.08	.91	.73	.66
512-FEP16BTD	FEP16BTD	TO-220AB	100	16	0.975 V	35 ns	1.01	.86	.69	.62
512-FEP16CTD	FEP16CTD	TO-220AB	150	16	0.975 V	35 ns	1.07	.90	.72	.65
512-FEP16DTD	FEP16DTD	TO-220AB	200	16	0.975 V	35 ns	1.03	.86	.69	.62
512-FEP16FTD	FEP16FTD	TO-220AB	300	16	1.3 V	50 ns	1.07	.90	.72	.65
512-FEP16GTD	FEP16GTD	TO-220AB	400	16	1.3 V	50 ns	1.07	.90	.72	.65
512-FEP16HTD	FEP16HTD	TO-220AB	500	16	1.5 V	50 ns	1.07	.90	.72	.65
512-FEP16JTD	FEP16JTD	TO-220AB	600	16	1.5 V	50 ns	1.00	.85	.68	.61

FAIRCHILD SEMICONDUCTOR HYPERFAST RECOVERY RECTIFIERS

♦ Surface Mount Device

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Reverse Current (μA)	Max Reverse Recovery Time (ns)	Price Each 1	25	100	25
Single										
512-RHRP860	RHRP860	TO-220	600	8	2.1 V	35 ns	1.72	1.42	1.02	
512-RHRP1560	RHRP1560	TO-220	600	15	2.1 V	40 ns	2.35	1.96	1.41	1.2
512-RHRG3060	RHRG3060	TO-247	600	30	2.1 V	45 ns	4.86	4.05	2.89	2.4
512-RHRP3060	RHRP3060	TO-220	600	30	2.1 V	45 ns	3.60	3.00	2.14	1.8
512-RHRG5060	RHRG5060	TO-247	600	50	2.1 V	50 ns	8.04	6.69	4.78	3.9
512-RHRP8120	RHRP8120	TO-220	1200	8	3.2 V	70 ns	1.45	1.23	.91	
512-RHRP15120	RHRP15120	TO-220	1200	15	3.2 V	75 ns	2.47	2.07	1.52	1.2
512-RHRG30120	RHRG30120	TO-247	1200	30	3.2 V	75 ns	5.19	4.32	3.09	2.5
512-RHRP30120	RHRP30120	TO-220	1200	30	3 V	75 ns	4.06	3.38	2.41	1.9
512-RHRG75120	RHRG75120	TO-247	1200	75	3.2 V	100 ns	9.59	7.99	5.72	4.6
Common Cathode										
512-RHRG1560CC	RHRG1560CC	TO-247	600	15	1.5 V	60 ns	6.00	5.00	3.57	2.8
512-RHRG3060CC	RHRG3060CC	TO-247	600	30	2.1 V	45 ns	7.65	6.38	4.56	3.6

FAIRCHILD Rectifiers

FAIRCHILD SEMICONDUCTOR

AIRCHILD SEMICONDUCTOR BRIDGE RECTIFIERS

Surface Mount

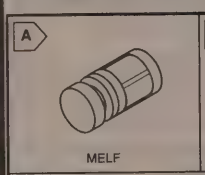
For quantities of 500 and up, call for quote.

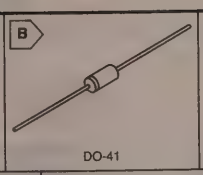
MOUSER STOCK NO.	Fairchild Part Number	Package	V_{RRM} (V)	I_{FAV} (A)	V_{FM} (V)	Price Each 1	25	100	250
512-3N246	3N246	KBPM	50	1.5	1.3	.57	.48	.34	.28
512-DF005M	DF005M	DIP-4	50	1.5	1.1	.39	.33	.27	.22
512-DF005S	DF005S	DIP-4	50	1.5	1.1	.39	.33	.27	.22
512-KBP005M	KBP005M	KBPM	50	1.5	1.3	.59	.50	.35	.29
512-W005G	W005G	WOB	50	1.5	1	.57	.47	.41	.33
512-2KBP005M	2KBP005M	KBPM	50	2	1.1	.63	.54	.42	.33
512-2W005G	2W005G	WOB	50	2	1.1	.83	.69	.49	.40
512-3N253	3N253	KBPM	50	2	1.1	.67	.55	.40	.32
512-GBU4A	GBU4A	GBU	50	4	1	1.06	.89	.78	.71
512-KBL005	KBL005	KBL	50	4	1.1	1.07	.89	.63	.51
512-KBU4A	KBU4A	KBU	50	4	1	1.28	1.07	.77	.62
512-GBU6A	GBU6A	GBU	50	6	1	1.02	.87	.77	.69
512-KBU6A	KBU6A	KBU	50	6	1	1.74	1.45	1.03	.82
512-GBU8A	GBU8A	GBU	50	8	1	1.30	1.08	.96	.87
512-KBU8A	KBU8A	KBU	50	8	1	2.01	1.67	1.19	.96
512-GBPC12005	GBPC12005	GBPC	50	12	1.1	3.81	3.18	2.29	1.84
512-GBPC12005W	GBPC12005W	GBPC-W	50	12	1.1	3.81	3.18	2.29	1.84
512-GBPC15005	GBPC15005	GBPC	50	15	1.1	4.37	3.64	2.60	2.08
512-GBPC15005W	GBPC15005W	GBPC-W	50	15	1.1	4.37	3.64	2.60	2.08
512-GBPC25005	GBPC25005	GBPC	50	25	1.1	4.46	3.72	2.66	2.13
512-GBPC25005W	GBPC25005W	GBPC-W	50	25	1.1	4.46	3.72	2.66	2.13
512-GBPC35005	GBPC35005	GBPC	50	35	1.1	4.37	3.64	2.60	2.08
512-GBPC35005W	GBPC35005W	GBPC-W	50	35	1.1	4.71	3.93	2.81	2.24
512-MB1S	MB1S	SOIC-4	100	0.5	1	.42	.37	.28	.20
512-3N247	3N247	KBPM	100	1.5	1.3	.57	.48	.34	.28
512-DF01M	DF01M	DIP-4	100	1.5	1.1	.37	.31	.25	.20
512-DF01S	DF01S	DIP-4	100	1.5	1.1	.38	.33	.27	.22
512-KBP01M	KBP01M	KBPM	100	1.5	1.3	.59	.50	.35	.29
512-W01G	W01G	WOB	100	1.5	1	.57	.47	.41	.33
512-2KBP01M	2KBP01M	KBPM	100	2	1.1	.63	.54	.42	.33
512-2W01G	2W01G	WOB	100	2	1.1	1.06	.88	.62	.50
512-3N254	3N254	KBPM	100	2	1.1	.66	.55	.39	.31
512-GBU4B	GBU4B	GBU	100	4	1	1.42	1.18	.85	.68
512-KBL01	KBL01	KBL	100	4	1.1	1.04	.86	.61	.48
512-KBU4B	KBU4B	KBU	100	4	1	1.28	1.07	.77	.62
512-GBU6B	GBU6B	GBU	100	6	1	1.02	.87	.77	.69
512-KBU6B	KBU6B	KBU	100	6	1	1.74	1.45	1.03	.82
512-GBU8B	GBU8B	GBU	100	8	1	1.30	1.08	.96	.87
512-KBU8B	KBU8B	KBU	100	8	1	2.01	1.67	1.19	.96
512-GBPC1201	GBPC1201	GBPC	100	12	1.1	3.81	3.18	2.29	1.84
512-GBPC1201W	GBPC1201W	GBPC-W	100	12	1.1	3.81	3.18	2.29	1.84
512-GBPC1501	GBPC1501	GBPC	100	15	1.1	4.37	3.64	2.60	2.08
512-GBPC1501W	GBPC1501W	GBPC-W	100	15	1.1	4.37	3.64	2.60	2.08
512-GBPC2501	GBPC2501	GBPC	100	25	1.1	4.46	3.72	2.66	2.13
512-GBPC2501W	GBPC2501W	GBPC-W	100	25	1.1	4.46	3.72	2.66	2.13
512-GBPC3501	GBPC3501	GBPC	100	35	1.1	4.63	3.85	2.75	2.21
512-GBPC3501W	GBPC3501W	GBPC-W	100	35	1.1	4.71	3.93	2.81	2.24
512-MB2S	MB2S	SOIC-4	200	0.5	1	.42	.37	.28	.20
512-3N248	3N248	KBPM	200	1.5	1.3	.57	.48	.34	.28
512-DF02M	DF02M	DIP-4	200	1.5	1.1	.38	.33	.27	.22
512-DF02S	DF02S	DIP-4	200	1.5	1.1	.38	.33	.27	.22
512-KBP02M	KBP02M	KBPM	200	1.5	1.3	.59	.50	.35	.29
512-W02G	W02G	WOB	200	1.5	1	.57	.47	.41	.33
512-2KBP02M	2KBP02M	KBPM	200	2	1.1	.63	.54	.42	.33
512-2W02G	2W02G	WOB	200	2	1.1	.83	.69	.49	.40
512-3N255	3N255	KBPM	200	2	1.1	.67	.55	.40	.32
512-GBU4D	GBU4D	GBU	200	4	1	1.06	.89	.78	.71
512-KBL02	KBL02	KBL	200	4	1.1	1.04	.86	.61	.48
512-KBU4D	KBU4D	KBU	200	4	1	1.28	1.07	.77	.62
512-GBU6D	GBU6D	GBU	200	6	1	1.02	.87	.77	.69
512-KBU6D	KBU6D	KBU	200	6	1	1.74	1.45	1.03	.82
512-GBU8D	GBU8D	GBU	200	8	1	1.30	1.08	.96	.87
512-KBU8D	KBU8D	KBU	200	8	1	2.01	1.67	1.19	.96
512-GBPC1202	GBPC1202	GBPC	200	12	1.1	3.81	3.18	2.29	1.84
512-GBPC1202W	GBPC1202W	GBPC-W	200	12	1.1	3.81	3.18	2.29	1.84
512-GBPC1502	GBPC1502	GBPC	200	15	1.1	4.37	3.64	2.60	2.08
512-GBPC1502W	GBPC1502W	GBPC-W	200	15	1.1	4.37	3.64	2.60	2.08
512-GBPC2502	GBPC2502	GBPC	200	25	1.1	4.46	3.72	2.66	2.13
512-GBPC2502W	GBPC2502W	GBPC-W	200	25	1.1	4.33	3.61	2.58	2.06
512-GBPC3502	GBPC3502	GBPC	200	35	1.1	4.37	3.64	2.60	2.08
512-GBPC3502W	GBPC3502W	GBPC-W	200	35	1.1	4.71	3.93	2.81	2.24
512-MB4S	MB4S	SOIC-4	400	0.5	1	.49	.43	.34	.24
512-3N249	3N249	KBPM	400	1.5	1.3	.63	.52	.38	.29
512-DF04M	DF04M	DIP-4	400	1.5	1.1	.42	.35	.25	.20
512-DF04S	DF04S	DIP-4	400	1.5	1.1	.45	.37	.27	.21
512-KBP04M	KBP04M	KBPM	400	1.5	1.3	.66	.54	.40	.32
512-W04G	W04G	WOB	400	1.5	1	.58	.48	.42	.34
512-2KBP04M	2KBP04M	KBPM	400	2	1.1	.68	.60	.45	.36
512-2W04G	2W04G	WOB	400	2	1.1	.83	.69	.49	.40
512-3N256	3N256	KBPM	400	2	1.1	.76	.64	.46	.37
512-GBU4G	GBU4G	GBU	400	4	1	1.10	.92	.81	.73
512-KBL04	KBL04	KBL	400	4	1.1	1.04	.86	.61	.48
512-KBU4G	KBU4G	KBU	400	4	1	1.28	1.07	.77	.62

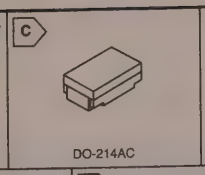
For quantities of 500 and up, call for quote.

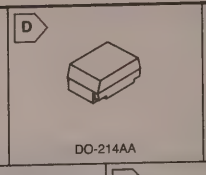
MOUSER STOCK NO.	Fairchild Part Number	Package	V_{RRM} (V)	I_{FAV} (A)	V_{FM} (V)	Price Each 1	25	100	250
512-GBU6G	GBU6G	GBU	400	6	1	1.13	.95	.83	.77
512-KBU6G	KBU6G	KBU	400	6	1	1.80	1.51	1.07	.86
512-GBU8G	GBU8G	GBU	400	8	1	1.45	1.22	1.07	.98
512-KBU8G	KBU8G	KBU	400	8	1	2.01	1.67	1.19	.96
512-GBPC1204	GBPC1204	GBPC	400	12	1.1	3.81	3.18	2.29	1.84
512-GBPC1204W	GBPC1204W	GBPC-W	400	12	1.1	3.81	3.18	2.29	1.84
512-GBPC1504	GBPC1504	GBPC	400	15	1.1	4.37	3.64	2.60	2.08
512-GBPC1504W	GBPC1504W	GBPC-W	400	15	1.1	4.37	3.64	2.60	2.08
512-GBPC2504	GBPC2504	GBPC	400	25	1.1	4.46	3.72	2.66	2.13
512-GBPC2504W	GBPC2504W	GBPC-W	400	25	1.1	4.46	3.72	2.66	2.13
512-GBPC3504	GBPC3504	GBPC	400	35	1.1	4.37	3.64	2.60	2.08
512-GBPC3504W	GBPC3504W	GBPC-W	400	35	1.1	4.62	3.85	2.75	2.20
512-MB6S	MB6S	SOIC-4	600	0.5	1	.49	.43	.34	.24
512-3N250	3N250	KBPM	600	1.5	1.3	.63	.52	.38	.29
512-DF06M	DF06M	DIP-4	600	1.5	1.1	.42	.36	.30	.24
512-DF06S	DF06S	DIP-4	600	1.5	1.1	.43	.37	.32	.25
512-KBP06M	KBP06M	KBPM	600	1.5	1.3	.66	.54	.40	.32
512-W06G	W06G	WOB	600	1.5	1	.58	.48	.42	.34
512-2KBP06M	2KBP06M	KBPM	600	2	1.1	.68	.60	.45	.36
512-2W06G	2W06G	WOB	600	2	1.1	.83	.69	.49	.40
512-3N257	3N257	KBPM	600	2	1.1	.76	.64	.46	.37
512-GBU4J	GBU4J	GBU	600	4	1	1.10	.92	.81	.73
512-KBL06	KBL06	KBL	600	4	1.1	1.04	.86	.61	.48
512-KBU4J	KBU4J	KBU	600	4	1	1.32	1.10	.79	.63
512-GBU6J	GBU6J	GBU	600	6	1	1.13	.95	.83	.77
512-KBU6J	KBU6J	KBU	600	6	1	1.89	1.59	1.13	.90
512-GBU8J	GBU8J	GBU	600	8	1	1.45	1.22	1.07	.98
512-KBU8J	KBU8J	KBU	600	8	1	2.12	1.77	1.26	1.01
512-GBPC1206	GBPC1206	GBPC	600	12	1.1	3.81	3.18	2.29	1.84
512-GBPC1206W	GBPC1206W	GBPC-W	600	12	1.1	3.81	3.18	2.29	1.84
512-GBPC1506	GBPC1506	GBPC	600	15	1.1	4.37	3.64	2.60	2.08
512-GBPC1506W	GBPC1506W	GBPC-W	600	15	1.1	4.06	3.38	2.42	1.93
512-GBPC2506	GBPC2506	GBPC	600	25	1.1	4.46	3.72	2.66	2.13
512-GBPC2506W	GBPC2506W	GBPC-W	600	25	1.1	4.46	3.72	2.66	2.13
512-GBPC3506	GBPC3506	GBPC	600	35	1.1	4.63	3.85	2.75	2.21
512-GBPC3506W	GBPC3506W	GBPC-W	600	35	1.1	4.71	3.93	2.81	2.24
512-MB8S	MB8S	SOIC-4	800	0.5	1	.52	.46	.36	.26
512-3N251	3N251	KBPM	800	1.5	1.3	.67	.55	.40	.32
512-DF08M	DF08M	DIP-4	800	1.5	1.1	.44	.38	.31	.25
512-DF08S	DF08S	DIP-4	800	1.5	1.1	.44	.38	.31	.25
512-KBP08M	KBP08M	KBPM	800	1.5	1.3	.70	.59	.42	.34
512-W08G	W08G	WOB	800	1.5	1	.58	.48	.42	.34
512-2KBP08M	2KBP08M	KBPM	800	2	1.1	.68	.60	.45	.36
512-2W08G	2W08G	WOB	800	2	1.1	.83	.69	.49	.40
512-3N258	3N258	KBPM	800	2	1.1	.89	.74	.53	.43
512-GBU4K	GBU4K	GBU	800	4	1	1.14	.96	.84	.77
512-KBL08	KBL08	KBL	800	4	1.1	1.04	.86	.61	.48
512-KBU4K	KBU4K	KBU	800	4	1	1.32	1.10	.79	.63
512-GBU6K	GBU6K	GBU	800	6	1	1.15	.96	.84	.78
512-KBU6K	KBU6K	KBU	800	6	1	1.89	1.59	1.13	.90
512-GBU8K	GBU8K	GBU	800	8	1	1.47	1.23	1.08	.98
512-KBU8K	KBU8K	KBU	800	8	1	2.12	1.77	1.26	1.01
512-GBPC1208	GBPC1208	GBPC	800	12	1.1	3.81	3.18	2.29	1.84
512-GBPC1208W	GBPC1208W	GBPC-W	800	12	1.1	3.81	3.18	2.29	1.84
512-GBPC1508	GBPC1508	GBPC	800	15	1.1	4.37	3.64	2.60	2.08
512-GBPC1508W	GBPC1508W	GBPC-W	800	15	1.1	4.37	3.64	2.60	2.08
512-GBPC2508	GBPC2508	GBPC	800	25	1.1	4.46	3.72	2.66	2.13
512-GBPC2508W	GBPC2508W	GBPC-W	800	25	1.1	4.46	3.72	2.66	2.13
512-GBPC3508	GBPC3508	GBPC	800	35	1.1	4.63	3.85	2.75	2.21
512-GBPC3508W	GBPC3508W	GBPC-W	800	35	1.1	4.71	3.93	2.81	2.24
512-3N252	3N252	KBPM	1000	1.5	1.3	.90	.74	.54	.44
512-DF10M	DF10M	DIP-4	1000	1.5	1.1	.38	.32	.27	.22
512-DF10S	DF10S	DIP-4	1000	1.5	1.1	.40	.35	.28	.23
512-KBP10M	KBP10M	KBPM	1000	1.5	1.3	.81	.67	.49	.40
512-W10G	W10G	WOB	1000	1.5	1	.58	.48	.42	.34
512-2KBP10M	2KBP10M	KBPM	1000	2	1.1	.85	.71	.51	.40
512-2W10G	2W10G	WOB	1000	2	1.1	.83	.69	.49	.40
512-3N259	3N259	KBPM	1000	2	1.1	1.06	.89	.63	.51
512-GBU4M	GBU4M	GBU	1000	4	1	1.14	.96	.84	.77
512-KBL10	KBL10	KBL	1000	4	1.1	1.04	.86	.61	.48
512-KBU4M	KBU4M	KBU	1000	4	1	1.32	1.10	.79	.63
512-GBU6M	GBU6M	GBU	1000	6	1	1.18	.99	.88	.80
512-KBU6M	KBU6M	KBU	1000	6	1	1.90	1.59	1.14	.90
512-KBU8M	KBU8M	KBU	1000	8	1	2.12	1.76	1.25	1.00
512-GBPC1210	GBPC1210	GBPC	1000	12	1.1	3.81	3.18	2.29	1.84
512-GBPC1210W	GBPC1210W	GBPC-W	1000	12	1.1	3.81	3.18	2.29	1.84
512-GBPC1510	GBPC1510	GBPC	1000	15	1.1	4.37	3.64	2.60	2.08
512-GBPC1510W	GBPC1510W	GBPC-W	1000	15	1.1	4.37	3.64	2.60	2.08
512-GBPC2510	GBPC2510	GBPC	1000	25	1.1	4.46	3.72	2.66	2.13
512-GBPC2510W	GBPC2510W	GBPC-W	1000	25	1.1	4.46	3.72	2.66	2.13
512-GBPC3510	GBPC3510	GBPC	1000	35	1.1	4.37	3.64	2.60	2.08
512-GBPC3510W	GBPC3510W	GBPC-W	1000	35	1.1	4.71	3.93	2.81	2.24

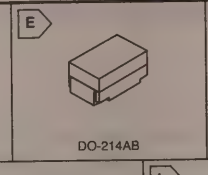
MCC Rectifiers

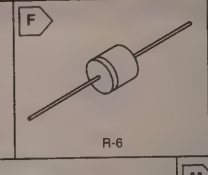


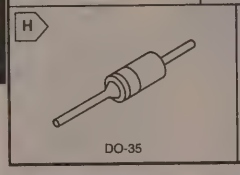


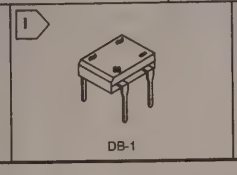


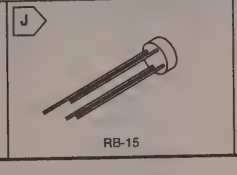


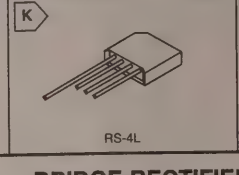


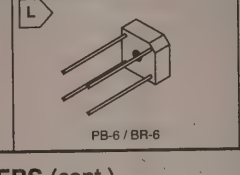


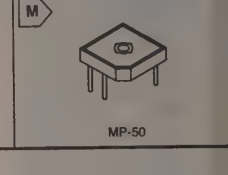












GLASS PASSIVATED

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	MCC Part No.	Fig.	Package	PVR (V)	IFSM (A)	Price Each 1	100	500
1.0 Amp								
833-DL4001	DL4001	A	MELF	50	30	.15	.09	.07
833-DL4002	DL4002	A	MELF	100	30	.15	.09	.07
833-DL4003	DL4003	A	MELF	200	30	.15	.09	.07
833-DL4004	DL4004	A	MELF	400	30	.15	.09	.07
833-DL4005	DL4005	A	MELF	600	30	.15	.09	.07
833-DL4006	DL4006	A	MELF	800	30	.15	.09	.07
833-DL4007	DL4007	A	MELF	1000	30	.17	.10	.08

GENERAL PURPOSE

For quantities of 1000 and up, call for quote.

1.0 Amp								
833-1N4001	1N4001	B	DO-41	50	30	.05	.03	.02
833-1N4002	1N4002	B	DO-41	100	30	.05	.03	.02
833-1N4003	1N4003	B	DO-41	200	30	.05	.03	.02
833-1N4004	1N4004	B	DO-41	400	30	.05	.03	.02
833-1N4005	1N4005	B	DO-41	600	30	.05	.03	.02
833-1N4006	1N4006	B	DO-41	800	30	.05	.03	.02
833-1N4007	1N4007	B	DO-41	1000	30	.05	.03	.02

STANDARD RECTIFIERS

For quantities of 1000 and up, call for quote.

1.0 Amp								
833-GS1M	GS1M	C	DO-214AC	1000	30	.15	.09	.07
2.0 Amp								
833-S2A	S2A	D	DO-214AA	50	50	.21	.14	.09
833-S2B	S2B	D	DO-214AA	100	50	.21	.14	.09
833-S2D	S2D	D	DO-214AA	200	50	.21	.14	.09
833-S2G	S2G	D	DO-214AA	400	50	.21	.14	.09
833-S2J	S2J	D	DO-214AA	600	50	.21	.15	.09
833-S2K	S2K	D	DO-214AA	800	50	.21	.15	.09
833-S2M	S2M	D	DO-214AA	1000	50	.21	.15	.09
3.0 Amp								
833-S3B	S3B	E	DO-214AB	100	100	.45	.28	.24
833-S3G	S3G	E	DO-214AB	400	100	.45	.28	.24
833-S3J	S3J	E	DO-214AB	600	100	.49	.31	.27
833-S3M	S3M	E	DO-214AB	1000	100	.49	.31	.27
6.0 Amp								
833-6A05	6A05	F	R-6	50	250	.20	.16	.14
833-6A1	6A1	F	R-6	100	250	.20	.16	.14
833-6A2	6A2	F	R-6	200	250	.20	.16	.14
833-6A4	6A4	F	R-6	400	250	.20	.16	.14
833-6A6	6A6	F	R-6	600	250	.20	.16	.14
833-6A10	6A10	F	R-6	1000	250	.20	.16	.14

SWITCHING RECTIFIERS

For quantities of 1000 and up, call for quote.

833-DL4148	DL4148	G	MiniMELF	100V	0.5	.10	.07	.05
833-1N4148	1N4148	H	DO-35	100V	0.5	.05	.03	.02

BRIDGE RECTIFIERS

For quantities of 1000 and up, call for quote.

1.0 Amp								
833-DB101	DB101	I	DB-1	50	50	.37	.32	.26
833-DB102	DB102	I	DB-1	100	50	.37	.32	.26
833-DB103	DB103	I	DB-1	200	50	.37	.32	.26
833-DB104	DB104	I	DB-1	400	50	.37	.32	.26
833-DB105	DB105	I	DB-1	600	50	.37	.32	.26
833-DB106	DB106	I	DB-1	800	50	.37	.32	.26
833-DB107	DB107	I	DB-1	1000	50	.50	.43	.34
833-RB151	RB151	J	RB-15	50	50	.34	.29	.25
833-RB152	RB152	J	RB-15	100	50	.34	.29	.25
833-RB153	RB153	J	RB-15	200	50	.34	.29	.25
833-RB154	RB154	J	RB-15	400	50	.34	.29	.25
833-RB155	RB155	J	RB-15	600	50	.34	.29	.25
4.0 Amp								
833-RS401L	RS401L	K	RS-4L	50	200	.93	.72	.67
833-RS402L	RS402L	K	RS-4L	100	200	.93	.72	.67
833-RS403L	RS403L	K	RS-4L	200	200	.93	.72	.67

BRIDGE RECTIFIERS (cont.)

For quantities of 1000 and up, call for quo

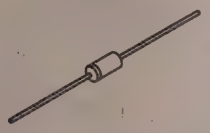
MOUSER STOCK NO.	MCC Part No.	Fig.	Package	PVR (V)	IFSM (A)	Price Each 1	100	500
4.0 Amp (cont.)								
833-RS404L	RS404L	K	RS-4L	400	200	.93	.72	.67
833-RS406L	RS406L	K	RS-4L	800	200	1.05	.81	.75
833-RS407L	RS407L	K	RS-4L	1000	200	1.05	.81	.75
6.0 Amp								
833-PB605	PB605	L	PB-6	50	150	.98	.76	.71
833-PB61	PB61	L	PB-6	50	150	.98	.76	.71
833-PB64	PB64	L	PB-6	400	150	.98	.76	.71
833-PB66	PB66	L	PB-6	600	150	.98	.76	.71
833-PB68	PB68	L	PB-6	800	150	.98	.76	.71
833-PB610	PB610	L	PB-6	1000	150	.98	.76	.71
8.0 Amp								
833-MB805	MB805	L	BR-6	50	125	1.12	.87	.81
833-MB81	MB81	L	BR-6	100	125	1.12	.87	.81
833-MB82	MB82	L	BR-6	200	125	1.12	.87	.81
833-MB84	MB84	L	BR-6	400	125	1.12	.87	.81
833-MB86	MB86	L	BR-6	600	125	1.12	.87	.81
833-MB88	MB88	L	BR-6	800	125	1.12	.87	.81
833-MB810	MB810	L	BR-6	1000	125	1.12	.87	.81
10.0 Amp								
833-MB1005	MB1005	L	BR-6	50	150	2.04	1.73	1.44
833-MB101	MB101	L	BR-6	100	150	2.04	1.73	1.44
833-MB102	MB102	L	BR-6	200	150	2.04	1.73	1.44
833-MB104	MB104	L	BR-6	400	150	2.04	1.73	1.44
833-MB106	MB106	L	BR-6	600	150	2.04	1.73	1.44
833-MB108	MB108	L	BR-6	800	150	2.04	1.73	1.44
833-MB1010	MB1010	L	BR-6	1000	150	2.04	1.73	1.44
15.0 Amp								
833-MB151W	MB151W	L	BR-6	100	400	4.40	3.30	2.75
25.0 Amp								
833-MB251W	MB251W	L	BR-6	100	400	4.40	3.30	2.75
833-MB252W	MB252W	L	BR-6	200	400	4.40	3.30	2.75
833-MB256W	MB256W	L	BR-6	600	400	4.40	3.30	2.75
35.0 Amp								
833-MB351W	MB351W	L	BR-6	100	400	5.60	4.20	3.50
833-MB352W	MB352W	L	BR-6	200	400	5.60	4.20	3.50
833-MB354W	MB354W	L	BR-6	400	400	5.60	4.20	3.50
833-MB356W	MB356W	L	BR-6	600	400	5.60	4.20	3.50
833-MB358W	MB358W	L	BR-6	800	400	5.60	4.20	3.50
833-MB3510W	MB3510W	L	BR-6	1000	400	5.60	4.20	3.50
50.0 Amp								
833-MP502W	MP502W	M	MP-50	100	400	6.40	4.80	4.0
833-MP504W	MP504W	M	MP-50	400	400	6.40	4.80	4.0
833-MP506	MP506	M	MP-50	600	400	6.40	4.80	4.0
833-MP506W	MP506W	M	MP-50	600	400	6.40	4.80	4.0

SCHOTTKY BARRIER RECTIFIERS

For quantities of 1000 and up, call for q

1.0 Amp								
833-SK12	SK12	D	DO-214AA	20	30	.34	.29	.2
833-SK13	SK13	D	DO-214AA	30	30	.34	.29	.2
833-SK14	SK14	D	DO-214AA	40	30	.34	.29	.2
833-SK15	SK15	D	DO-214AA	50	30	.37	.32	.2
833-SK16	SK16	D	DO-214AA	60	30	.37	.32	.2
833-SK110	SK110	D	DO-214AA	100	30	.37	.32	.2
3.0 Amp								
833-SK32	SK32	E	DO-214AB	20	100	.76	.65	.3
833-SK33	SK33	E	DO-214AB	30	100	.76	.65	.3
833-SK34	SK34	E	DO-214AB	40	100	.76	.65	.3
833-SK35	SK35	E	DO-214AB	50	100	.76	.65	.3
833-SK36	SK36	E	DO-214AB	60	100	.76	.65	.3
833-SK38	SK38	E	DO-214AB	80	100	.76	.65	.3

A



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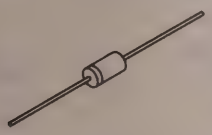

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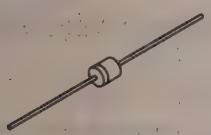

R-3

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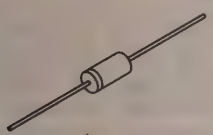

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R-6

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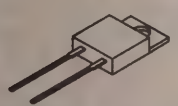

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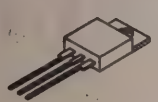


TO-220

H

FM-1

I

SM-1

SILICON

♦ Surface Mount Device

• Operating and storage temperature: -65°C to +175°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	IFM (Surge) (A)	Price Each 1	100	500
1.0 Amp						
583-1N4001	A	50	30	.03	.028	.02
583-1N4002	A	100	30	.03	.028	.02
583-1N4003	A	200	30	.03	.028	.02
583-1N4004	A	400	30	.04	.029	.021
583-1N4005	A	600	30	.04	.029	.021
583-1N4006	A	800	30	.04	.031	.022
583-1N4007	A	1000	30	.04	.032	.023
1.5 Amp						
583-1N5391	B	50	50	.08	.067	.048
583-1N5392	B	100	50	.08	.067	.048
583-1N5394	B	300	50	.09	.074	.053
583-1N5395	B	400	50	.09	.074	.053
583-1N5397	B	600	50	.10	.077	.055
583-1N5398	B	800	50	.11	.088	.063
583-1N5399	B	1000	50	.13	.10	.073
583-RL151	B	50	60	.08	.063	.045
583-RL153	B	200	60	.08	.063	.045
583-RL154	B	400	60	.09	.07	.05
583-RL155	B	600	60	.11	.084	.06
583-RL157	B	1000	60	.12	.098	.07
2.0 Amp						
583-RL201	B	50	70	.11	.084	.06
583-RL202	B	100	70	.11	.088	.063
583-RL203	B	200	70	.12	.098	.07
583-RL204	B	400	70	.13	.11	.075
583-RL205	B	600	70	.16	.13	.09
583-RL206	B	800	70	.18	.14	.10
583-RL207	B	1000	70	.20	.16	.11
2.5 Amp						
583-RL251	C	50	150	.16	.13	.09
583-RL252	C	100	150	.19	.15	.11
583-RL253	C	200	150	.18	.15	.11
583-RL254	C	400	150	.22	.18	.13
583-RL257	C	1000	150	.23	.19	.13
3.0 Amp						
583-1N5400	D	50	200	.16	.13	.093
583-1N5402	D	200	200	.16	.13	.093
583-1N5404	D	400	200	.17	.13	.095
583-1N5406	D	600	200	.20	.16	.11
583-1N5407	D	800	200	.20	.16	.11
583-1N5408	D	1000	200	.21	.16	.12
6.0 Amp						
583-6A05	E	50	400	.32	.27	.23
583-6A1	E	100	400	.32	.27	.23
583-6A2	E	200	400	.36	.31	.26
583-6A4	E	400	400	.36	.31	.26
583-6A6	E	600	400	.41	.35	.29
583-6A8	E	800	400	.46	.40	.33
583-6A10	E	1000	400	.55	.47	.40
8.0 Amp						
583-RL801	F	50	200	1.98	1.57	1.12
583-RL802	F	100	200	2.02	1.61	1.15
583-RL803	F	200	200	2.08	1.66	1.18
583-RL804	F	400	200	2.27	1.80	1.29
583-RL805	F	600	200	2.52	2.00	1.43
583-RL806	F	800	200	2.92	2.32	1.66

HIGH VOLTAGE

• Operating and storage temperature: -65°C to +175°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	IFM (Surge) (A)	Price Each 1	100	500
.20 Amp						
583-R2000	A	2000	30	.22	.17	.13
.50 Amp						
583-R1500	A	1500	30	.17	.13	.11
.20 Amp Fast Recovery						
583-R2000F	A	2000	30	.35	.27	.22
.50 Amp Fast Recovery						
583-R1500F	A	1500	30	.28	.22	.18

GLASS PASSIVATED

• Operating and storage temperature: -65°C to +175°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	IFM (Surge) (A)	Price Each 1	100	500
1.0 Amp						
583-1N4001G	A	50	30	.10	.077	.055
♦583-FM4001	H	50	30	.17	.098	.078
♦583-SM4001	I	50	30	.15	.085	.07
583-1N4002G	A	100	30	.10	.077	.055
♦583-FM4002	H	100	30	.18	.10	.082
♦583-SM4002	I	100	30	.15	.088	.07
583-1N4003G	A	200	30	.11	.084	.06
♦583-FM4003	H	200	30	.19	.11	.088
♦583-SM4003	I	200	30	.16	.093	.074
583-1N4004G	A	400	30	.11	.084	.06
♦583-FM4004	H	400	30	.20	.12	.092
♦583-SM4004	I	400	30	.18	.10	.08
583-1N4005G	A	600	30	.11	.088	.063
♦583-FM4005	H	600	30	.25	.14	.11
♦583-SM4005	I	600	30	.19	.11	.086
583-1N4006G	A	800	30	.14	.11	.08
♦583-FM4006	H	800	30	.30	.17	.14
♦583-SM4006	I	800	30	.22	.13	.10
583-1N4007G	A	1000	30	.15	.12	.085
♦583-FM4007	H	1000	30	.34	.20	.16
♦583-SM4007	I	1000	30	.24	.14	.11
2.0 Amp						
583-RL201G	B	50	70	.19	.15	.11
583-RL203G	B	200	70	.22	.18	.13
583-RL207G	B	1000	70	.37	.30	.22
3.0 Amp						
583-1N5400G	D	50	200	.34	.25	.19
583-1N5401G	D	100	200	.36	.27	.20
583-1N5402G	D	200	200	.38	.28	.22
583-1N5404G	D	400	200	.40	.30	.23
583-1N5406G	D	600	200	.44	.33	.25
583-1N5407G	D	800	200	.46	.34	.26
583-1N5408G	D	1000	200	.48	.36	.27

HIGH EFFICIENCY

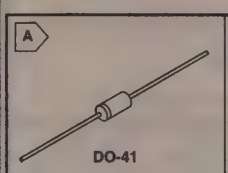
• Operating and storage temperature: -65°C to +150°C

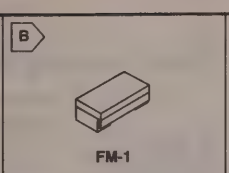
For quantities greater than listed, call for quote.

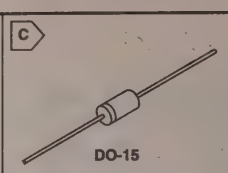
MOUSER STOCK NO.	Fig.	PRV (V)	IFM (Surge) (A)	Price Each 1	100	500
1.0 Amp						
583-HER101	A	50	30	.11	.08	.064
583-HER102	A	100	30	.13	.09	.072
583-HER103	A	200	30	.14	.10	.080
583-HER104	A	300	30	.15	.11	.088
583-HER105	A	400	30	.19	.13	.11
583-HER106	A	600	30	.22	.16	.13
583-HER107	A	800	30	.28	.20	.16
583-HER108	A	1000	30	.32	.23	.18
2.0 Amp						
583-HER201	B	50	60	.22	.16	.12
583-HER203	B	200	60	.23	.17	.13
583-HER204	B	300	60	.24	.17	.14
583-HER205	B	400	60	.26	.18	.15
583-HER206	B	600	60	.32	.23	.18
583-HER207	B	800	60	.38	.27	.22
583-HER208	B	1000	60	.44	.31	.25
3.0 Amp						
583-HER301	D	50	200	.31	.22	.18
583-HER302	D	100	200	.34	.24	.19
583-HER303	D	200	200	.39	.28	.22
583-HER304	D	300	200	.40	.29	.23
583-HER305	D	400	200	.45	.32	.26
583-HER306	D	600	150	.50	.36	.29
583-HER307	D	800	150	.55	.39	.31
5.0 Amp						
583-HER501	D	50	200	.42	.30	.24
583-HER502	D	100	200	.46	.33	.26
583-HER503	D	200	200	.50	.36	.29
583-HER504	D	300	200	.55	.39	.31
583-HER505	D	400	200	.61	.44	.35
583-HER506	D	600	150	.68	.49	.39
583-HER507	D	800	150	.75	.54	.43
583-HER508	D	1000	150	.82	.58	.47
8.0 Amp						
583-HER801	F	50	200	1.97	1.41	1.13
583-HER802	F	100	200	2.14	1.53	1.22
583-HER803	F	200	200	2.30	1.64	1.31
583-HER804	F	300	200	2.46	1.76	1.41
16.0 Amp						
583-HER1601C	G	50	200	2.61	1.87	1.49
583-HER1603C	G	200	200	2.89	2.07	1.65
583-HER1605C	G	400	200	3.53	2.52	2.02

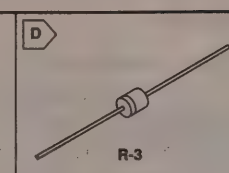
RECTRON Rectifiers

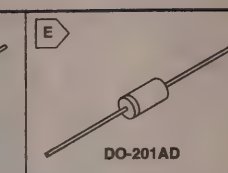
RECTRON

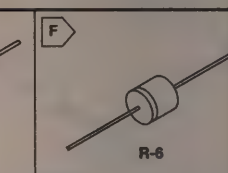


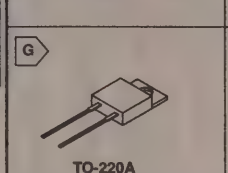


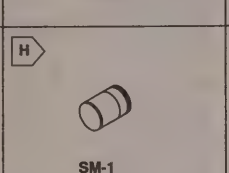


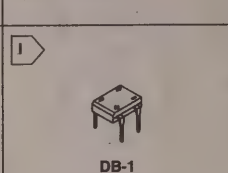


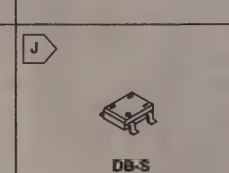


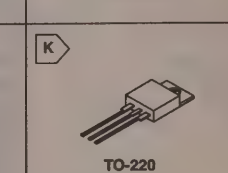


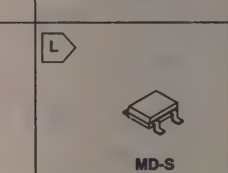












♦Surface Mount Device

FAST RECOVERY

Specifications:
- Operating temp.: -65°C to +150°C
- Storage temp.: -65°C to +150°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	Trr (ns)	Price Each 1	100	500
1.0 Amp						
583-FR101	A	50	150	.08	.056	.043
♦583-FFM101	B	50	150	.27	.19	.15
583-FR102	A	100	150	.08	.059	.045
♦583-FFM102	B	100	150	.29	.21	.16
583-FR103	A	200	150	.09	.063	.048
♦583-FFM103	B	200	150	.32	.23	.17
583-FR104	A	400	150	.10	.069	.053
♦583-FFM104	B	400	150	.37	.26	.20
583-FR105	A	600	250	.10	.073	.055
♦583-FFM105	B	600	250	.40	.28	.22
583-FR106	A	800	500	.11	.076	.058
583-FR107	A	1000	500	.12	.086	.065
583-1N4933	A	50	200	.07	.05	.038
583-1N4934	A	100	200	.08	.056	.043
583-1N4935	A	200	200	.08	.059	.045
583-1N4936	A	400	200	.09	.066	.050
583-1N4937	A	600	200	.11	.076	.058
583-1N4942	A	200	150	.11	.079	.060
583-1N4944	A	400	150	.11	.079	.060
583-1N4946	A	600	250	.12	.083	.063
583-1N4947	A	800	250	.12	.086	.065
583-1N4948	A	1000	500	.13	.092	.070
1.5 Amp						
583-FR151	C	50	150	.12	.089	.068
583-FR152	C	100	150	.15	.11	.08
583-FR153	C	200	150	.15	.11	.08
583-FR154	C	400	150	.16	.11	.085
583-FR155	C	600	250	.17	.13	.095
583-FR156	C	800	500	.19	.14	.10
2.0 Amp						
583-FR201	C	50	150	.17	.12	.09
583-FR202	C	100	150	.19	.14	.10
583-FR204	C	400	150	.22	.16	.12
583-FR205	C	600	250	.24	.17	.13
583-FR206	C	800	500	.28	.20	.15
583-FR207	C	1000	500	.31	.22	.17
2.5 Amp						
583-FR251	D	50	150	.25	.18	.14
583-FR252	D	100	150	.27	.19	.15
583-FR254	D	400	150	.31	.22	.17
583-FR255	D	600	250	.35	.25	.19
583-FR257	D	1000	500	.45	.32	.24
3.0 Amp						
583-FR301	E	50	150	.27	.19	.15
583-FR302	E	100	150	.29	.21	.16
583-FR303	E	200	150	.31	.22	.17
583-FR304	E	400	150	.33	.23	.18
583-FR305	E	600	250	.34	.24	.18
583-FR306	E	800	500	.38	.27	.21
583-FR307	E	1000	500	.41	.29	.22
6.0 Amp						
583-FR601	F	50	150	.83	.60	.45
583-FR602	F	100	150	.89	.64	.48
583-FR603	F	200	150	.94	.68	.51
583-FR604	F	400	150	.99	.71	.54
583-FR605	F	600	250	1.11	.80	.60
583-FR606	F	800	500	1.21	.86	.66
583-FR607	F	1000	500	1.32	.95	.72
8.0 Amp						
583-FR801	G	50	150	2.24	1.61	1.22
583-FR802	G	100	150	2.39	1.72	1.30
583-FR803	G	200	150	2.54	1.82	1.38
583-FR804	G	400	150	2.69	1.93	1.46
583-FR805	G	600	250	3.03	2.17	1.65

FAST RECOVERY, GLASS PASSIVATED

Specifications:
- Operating temp.: -65°C to +150°C
- Storage temp.: -65°C to +150°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	Trr (ns)	Price Each 1	100	500
1.0 Amp						
583-FR101G	A	50	150	.18	.13	.098
583-FR102G	A	100	150	.19	.14	.10
583-FR103G	A	200	150	.20	.15	.11
583-FR104G	A	400	150	.21	.15	.12
583-FR107G	A	1000	500	.26	.18	.14
583-1N4933G	A	50	200	.18	.13	.098
♦583-FM4933	B	50	200	.29	.21	.16
583-1N4934G	A	100	200	.19	.14	.10
♦583-FM4934	B	100	200	.29	.21	.16
583-1N4935G	A	200	200	.20	.14	.11
♦583-FM4935	B	200	200	.35	.25	.19
583-1N4936G	A	400	200	.22	.16	.12
583-1N4937G	A	600	200	.24	.17	.13
♦583-FM4937	B	600	200	.40	.29	.22
3.0 Amp						
583-FR302G	E	100	150	.48	.34	.26
583-FR304G	E	400	150	.54	.39	.30
583-FR305G	E	600	250	.61	.44	.33
583-FR307G	E	1000	500	.75	.54	.41

SUPER FAST RECOVERY

Specifications:
- Operating temperature: -65°C to +150°C
- Storage temperature: -65°C to +150°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	Trr (ns)	Price Each 1	100	500
1.0 Amp						
583-SF11	A	50	35	.24	.21	.17
♦583-EFM101	B	50	35	.31	.26	.22
583-SF12	A	100	35	.25	.21	.18
♦583-EFM102	B	100	35	.33	.29	.24
583-SF14	A	200	35	.28	.24	.20
♦583-EFM104	B	200	35	.37	.32	.27
583-SF15	A	300	35	.34	.29	.25
583-SF16	A	400	35	.39	.33	.28
♦583-EFM106	B	400	35	.47	.41	.34
♦583-EDB101S	J	50	50	1.04	.89	.74
583-EDB102	I	100	50	1.07	.92	.76
♦583-EDB102S	J	100	50	1.11	.95	.80
♦583-EDB104S	J	200	50	1.18	1.01	.85
2.0 Amp						
583-SF21	C	50	35	.32	.28	.23
583-SF22	C	100	35	.33	.28	.23
583-SF24	C	200	35	.37	.32	.27
583-SF25	C	300	35	.43	.37	.31
583-SF26	C	400	35	.54	.46	.38
3.0 Amp						
583-SF31	E	50	35	.88	.75	.63
583-SF32	E	100	35	.90	.77	.64
583-SF34	E	200	35	.97	.83	.69
583-SF35	E	300	35	1.15	.98	.82
5.0 Amp						
583-SF51	E	50	35	1.08	.92	.77
583-SF52	E	100	35	1.11	.95	.80
583-SF54	E	200	35	1.18	1.01	.85
583-SF55	E	300	35	1.42	1.22	1.02
583-SF56	E	400	35	1.66	1.43	1.19

SUPER FAST RECOVERY (CONT.)

Specifications:
- Operating temperature: -65°C to +150°C
- Storage temperature: -65°C to +150°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	Trr (ns)	Price Each 1	100	500
8.0 Amp						
583-SF81	G	50	35	1.84	1.58	1.32
583-SF82	G	100	35	1.87	1.60	1.34
583-SF84	G	200	35	1.93	1.66	1.38
583-SF85	G	300	50	2.82	2.42	2.02
583-SF86	G	400	50	3.72	3.19	2.66
16.0 Amp						
583-SF162C	K	100	35	3.37	2.89	2.41
583-SF164C	K	200	35	3.48	2.98	2.49

SCHOTTKY BARRIER

Specifications:
- Operating temperature: -65°C to +125°C
- Storage temperature: -65°C to +150°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	Trr (ns)	Price Each 1	100	500
1.0 Amp						
♦583-FM5817	B	20	25	.48	.34	.27
583-1N5818	A	30	25	.28	.21	.18
♦583-FM5818	B	30	25	.43	.31	.25
583-1N5819	A	40	25	.28	.21	.18
♦583-FM5819	B	40	25	.43	.31	.25
583-SR160	A	60	40	.40	.30	.25
3.0 Amp						
583-1N5820	E	20	80	.64	.48	.40
583-1N5822	E	40	80	.64	.48	.40
583-SR340	E	40	150	.66	.50	.42
583-SR360	E	60	150	.86	.64	.54

MINI BRIDGE RECTIFIERS

Specifications:
- Operating temperature: -55°C to +150°C
- Storage temperature: -55°C to +150°C

Features:
- Single Phase
- Glass Passivated
- Mini Package

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	IFM (Surge) (A)	Price Each 1	100	500
♦583-MD1S	L	50	30	.50	.35	.27
♦583-MD2S	L	100	30	.50	.35	.27
♦583-MD3S	L	200	30	.50	.35	.27
♦583-MD4S	L	400	30	.50	.35	.27
♦583-MD5S	L	600	30	.50	.35	.27
♦583-MD6S	L	800	30	.50	.35	.27
♦583-MD7S	L	1000	30	.50	.35	.27

RECTRON Bridge Rectifiers

RECTRON

♦Surface Mount Device
*UL File No. 94233

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	IFM (Surge) (A)	Price Each 1	100	500
1.0 Amp						
*583-DB101	A	50	50	.31	.26	.21
♦*583-DB101S	B	50	50	.37	.32	.25
*583-DB102	A	100	50	.33	.28	.22
♦*583-DB102S	B	100	50	.39	.33	.27
*583-DB103	A	200	50	.36	.31	.25
♦*583-DB103S	B	200	50	.41	.35	.28
*583-DB104	A	400	50	.37	.32	.25
*583-DB105	A	600	50	.41	.35	.28
♦*583-DB105S	B	600	50	.47	.40	.32
*583-DB106	A	800	50	.50	.43	.34
♦*583-DB106S	B	800	50	.57	.49	.39
*583-DB107	A	1000	50	.50	.43	.34
♦*583-DB107S	B	1000	50	.63	.54	.43
*583-RS101	C	50	30	.37	.32	.25
*583-RS102	C	100	30	.39	.34	.27
*583-RS103	C	200	30	.40	.34	.28
*583-RS104	C	400	30	.42	.36	.29
*583-RS105	C	600	30	.48	.40	.33
*583-RS106	C	800	30	.53	.46	.37
583-RS107	C	1000	30	.59	.50	.40
*583-MDA100G	C	50	30	.39	.33	.27
*583-MDA104G	C	400	30	.47	.40	.32
*583-MDA106G	C	600	30	.49	.41	.33
*583-MDA108G	C	800	30	.57	.48	.39
1.5 Amp						
*583-RB151	D	50	50	.26	.22	.18
*583-RB152	D	100	50	.27	.23	.19
*583-RB153	D	200	50	.28	.24	.19
*583-RB154	D	400	50	.29	.25	.20
*583-RB155	D	600	50	.37	.31	.25
583-RB156	D	800	50	.39	.34	.27
583-RB157	D	1000	50	.42	.36	.29
2.0 Amp						
583-RC201	E	50	60	.32	.27	.22
583-RC202	E	100	60	.33	.28	.22
583-RC203	E	200	60	.34	.29	.23
583-RC204	E	400	60	.36	.31	.25
583-RC205	E	600	60	.39	.34	.27
583-RC206	E	800	60	.45	.38	.31
*583-RS201L	F	50	60	.41	.35	.28
*583-RS202L	F	100	60	.42	.36	.29
*583-RS203L	F	200	60	.44	.37	.30
*583-RS204L	F	400	60	.45	.38	.31
*583-RS205L	F	600	60	.48	.41	.33
*583-RS206L	F	800	60	.51	.43	.35
*583-RS207L	F	1000	60	.55	.47	.38
583-MDA200G	C	50	50	.39	.34	.27
583-MDA201G	C	100	50	.39	.34	.27
583-MDA202G	C	200	50	.39	.34	.27
583-MDA204G	C	400	50	.42	.36	.29
583-MDA206G	C	600	50	.46	.39	.31
583-MDA208G	C	800	50	.51	.44	.35
583-MDA210G	C	1000	50	.56	.48	.38
3.0 Amp						
*583-BR305	G	50	50	.41	.35	.28
*583-BR31	G	100	50	.42	.36	.29
*583-BR32	G	200	50	.44	.37	.30
*583-BR34	G	400	50	.46	.39	.31
*583-BR36	G	600	50	.49	.41	.33
*583-BR38	G	800	50	.58	.49	.40
583-BR310	G	1000	50	.61	.52	.42
4.0 Amp						
*583-RS401L	H	50	200	.73	.63	.50
*583-RS402L	H	100	200	.73	.63	.50
*583-RS403L	H	200	200	.80	.69	.55
*583-RS404L	H	400	200	.82	.70	.56
*583-RS405L	H	600	200	.85	.72	.58
*583-RS406L	H	800	200	.96	.82	.66
*583-RS407L	H	1000	200	1.15	.98	.79
583-RS401M	I	50	150	.81	.69	.55
583-RS402M	I	100	150	.81	.69	.55
583-RS403M	I	200	150	.83	.70	.57
583-RS404M	I	400	150	.84	.72	.58
583-RS405M	I	600	150	.87	.74	.59
583-RS406M	I	800	150	.99	.84	.68
583-RS407M	I	1000	150	1.18	1.01	.81
*583-MDA970G1	H	50	200	.80	.69	.55
*583-MDA970G2	H	100	200	.80	.69	.55
*583-MDA970G3	H	200	200	.86	.73	.59
*583-MDA970G5	H	400	200	.92	.78	.63
*583-MDA970G6	H	600	200	.95	.81	.65
*583-MDA970G8	H	800	200	1.14	.98	.78
*583-MDA970G10	H	1000	200	1.28	1.09	.88

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	IFM (Surge) (A)	Price Each 1	100	500
6.0 Amp						
* 583-RS601	J	50	250	1.01	.86	.69
* 583-RS602	J	100	250	1.04	.89	.71
* 583-RS604	J	400	250	1.19	1.01	.82
* 583-RS605	J	600	250	1.26	1.07	.86
* 583-RS606	J	800	250	1.50	1.28	1.03
583-RS607	J	1000	250	1.61	1.37	1.10
583-RS601M	K	50	200	1.01	.86	.69
583-RS602M	K	100	200	1.04	.89	.71
583-RS603M	K	200	200	1.17	1.00	.80
* 583-RS605M	K	600	200	1.36	1.16	.93
* 583-RS606M	K	800	200	1.54	1.32	1.06
* 583-RS607M	K	1000	200	1.79	1.52	1.23
* 583-BR605	L	50	125	.78	.67	.54
* 583-BR61	L	100	125	.80	.68	.55
* 583-BR62	L	200	125	.90	.77	.62
* 583-BR64	L	400	125	.97	.83	.67
* 583-BR66	L	600	125	1.01	.86	.69
* 583-BR68	L	800	125	1.14	.97	.78
583-BR610	L	1000	125	1.34	1.14	.92
8.0 Amp						
583-RS801	J	50	250	1.01	.86	.69
583-RS802	J	100	250	1.11	.95	.76
583-RS803	J	200	250	1.20	1.02	.82
583-RS804	J	400	250	1.25	1.07	.86
583-RS805	J	600	250	1.35	1.15	.93
583-RS806	J	800	250	1.50	1.28	1.03
583-RS807	J	1000	250	1.72	1.47	1.18
* 583-BR805	M	50	125	.91	.77	.62
* 583-BR81	M	100	125	.92	.79	.63
* 583-BR82	M	200	125	.94	.80	.64
* 583-BR84	M	400	125	1.07	.91	.73
* 583-BR86	M	600	125	1.14	.97	.78
* 583-BR88	M	800	125	1.27	1.09	.87
583-BR810	M	1000	125	1.41	1.20	.97
10 Amp						
* 583-BR1005	M	50	200	1.04	.89	.71
* 583-BR101	M	100	200	1.06	.90	.72
* 583-BR102	M	200	200	1.07	.91	.73
* 583-BR104	M	400	200	1.14	.97	.78
* 583-BR106	M	600	200	1.21	1.03	.83
* 583-BR108	M	800	200	1.34	1.14	.92
583-BR1010	M	1000	200	1.58	1.34	1.08
15 Amp						
* 583-MP1505	N	50	300	2.61	2.22	1.79
* 583-MP151	N	100	300	2.68	2.29	1.84
* 583-MP152	N	200	300	2.74	2.33	1.87
* 583-MP154	N	400	300	2.79	2.37	1.91
* 583-MP156	N	600	300	2.96	2.52	2.03
* 583-MP158	N	800	300	3.15	2.69	2.16
583-RS1501M	K	50	250	1.72	1.47	1.18
583-RS1502M	K	100	250	1.71	1.46	1.17
583-RS1503M	K	200	250	1.96	1.67	1.34
583-RS1504M	K	400	250	2.01	1.72	1.38
583-RS1505M	K	600	250	2.25	1.92	1.54
583-RS1506M	K	800	250	2.60	2.21	1.78
583-RS1507M	K	1000	250	2.87	2.44	1.97
20 Amp						
583-RS2001M	K	50	300	1.85	1.57	1.27
583-RS2002M	K	100	300	2.00	1.70	1.37
583-RS2003M	K	200	300	2.28	1.75	1.57
583-RS2004M	K	400	300	2.35	2.00	1.61
583-RS2005M	K	600	300	2.64	2.24	1.81
583-RS2006M	K	800	300	3.03	2.58	2.08
583-RS2007M	K	1000	300	3.35	2.85	2.29
25 Amp						
* 583-MP2505	N	50	300	2.66	2.27	1.83
* 583-MP251	N	100	300	2.73	2.33	1.87
* 583-MP252	N	200	300	2.77	2.36	1.90
* 583-MP254	N	400	300	2.84	2.42	1.94
* 583-MP256	N	600	300	2.93	2.49	2.01
* 583-MP258	N	800	300	3.20	2.72	2.19
* 583-MP2510	N	1000	300	3.86	3.29	2.64
35 Amp						
* 583-MP3505	N	50	400	2.83	2.41	1.94
* 583-MP351	N	100	400	2.88	2.45	1.97
* 583-MP352	N	200	400	2.90	2.47	1.99
* 583-MP354	N	400	400	3.26	2.78	2.23
* 583-MP356	N	600	400	3.52	3.00	2.41
* 583-MP358	N	800	400	3.76	3.21	2.58
* 583-MP3510	N	1000	400	3.99	3.40	2.73

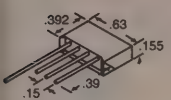
DIMENSIONS (IN.)

A

DB-1

B

DB-S

C


RS-1

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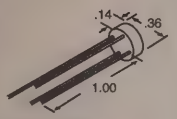

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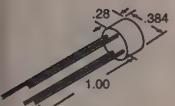

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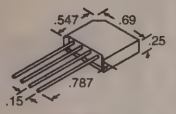

RS-2L

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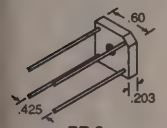

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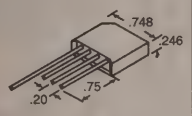

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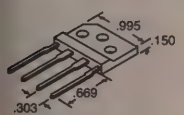

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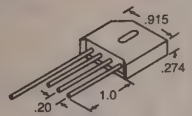
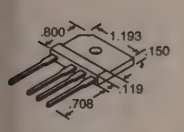


RS-6 / RS-8

K


RS-6M / RM-6M
RM-15M / RM-20M

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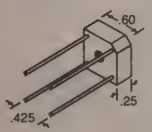


BR-6

M

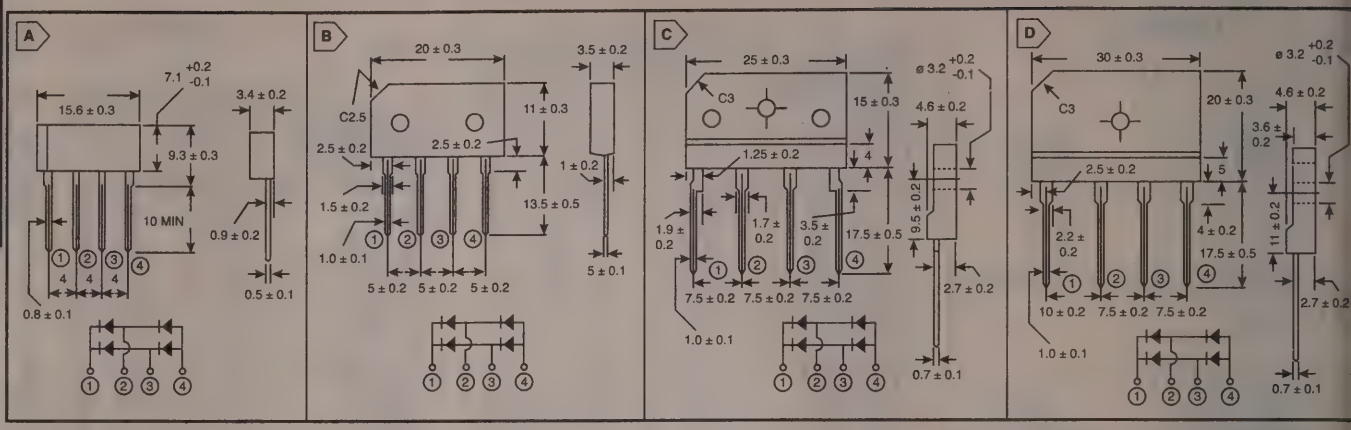
BR-8

N

MP-15 / MP-25 / MP-35

SHINDENGEN Bridge Rectifiers

Shindengen America, Inc

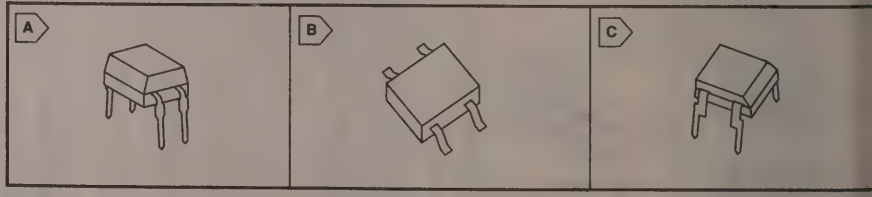


SHINDENGEN SIP BRIDGE RECTIFIERS

* UL Recognized (UL File No. E142422)

For quantities of 2000 and up, call for quot

MOUSER STOCK NO.	Shindengen Part No.	Absolute Max Ratings								Electrical Characteristics						Remarks	Price Each			
		Fig.	Package	IO (A)	Conditions Tc (°C)	IFSM (A)	VRM (V)	Tstg (°C)	Tj (°C)	VF Max (V)	Conditions IF (A)	IR Max VR=VRM (μA)	jl Max (°C/W)	ja Max (°C/W)	jc Max (°C/W)		1	100	500	1000
627-S1VB20	S1VB20-4000	A	1V	1	25	30	200	-40 to 150	150	1.05	0.5	10	16	62	-	-	.39	.33	.30	.21
627-S1VB60	S1VB60-4000	A	1V	1	25	30	600	-40 to 150	150	1.05	0.5	10	16	62	-	-	.39	.33	.30	.21
627-S1VB80-7000	S1VB80-7000	A	1V	1	25	30	800	-40 to 150	150	1.05	0.5	10	16	62	-	-	.39	.33	.30	.21
627-S1VBA20	S1VBA20-4000	A	1V	1	25	50	200	-40 to 150	150	1.05	0.5	10	16	62	-	Large IFSM	.54	.45	.40	.29
627-S1VBA60	S1VBA60-4000	A	1V	1	25	50	600	-40 to 150	150	1.05	0.5	10	16	62	-	Large IFSM	.54	.45	.40	.29
627-D2SBA20	D2SBA20-4000	B	2S	1.5	25	60	200	-40 to 150	150	1.05	0.75	10	10	47	-	-	.57	.47	.43	.30
627-D2SBA60	D2SBA60-4000	B	2S	1.5	25	60	600	-40 to 150	150	1.05	0.75	10	10	47	-	-	.57	.47	.43	.30
627-D2SB20	D2SB20-4000	B	2S	1.5	25	80	200	-40 to 150	150	1.05	0.75	10	10	47	-	-	.62	.52	.46	.33
627-D2SB60	D2SB60-4000	B	2S	1.5	25	80	600	-40 to 150	150	1.05	0.75	10	10	47	-	-	.62	.52	.46	.33
627-D2SB80	D2SB80-4000	B	2S	1.5	25	80	800	-40 to 150	150	1.05	0.75	10	10	47	-	-	.62	.52	.46	.33
627-D2SB60L	D2SB60L-4000	B	2S	1.5	25	120	600	-40 to 150	150	1.05	0.75	10	10	47	-	-	.73	.61	.55	.39
627-D2SB60A	D2SB60A-4000	B	2S	2	115	120	600	-40 to 150	150	0.95	1	10	10	47	-	-	.32	.30	.29	.28
627-D2SB80A	D2SB80A-4000	B	2S	2	115	120	800	-40 to 150	150	0.95	1	10	10	47	-	-	.65	.54	.49	.35
*627-D3SBA20	D3SBA20-4100	C	3S	4	108	80	200	-40 to 150	150	1.05	2	10	6	30	5.5	-	.88	.73	.66	.47
*627-D3SBA60-7100	D3SBA60-7100	C	3S	4	108	80	600	-40 to 150	150	1.05	2	10	6	30	5.5	-	.88	.73	.66	.47
*627-D3SB20	D3SB20-4100	C	3S	4	108	120	200	-40 to 150	150	1.05	2	10	6	30	5.5	-	.88	.74	.66	.47
*627-D3SB60	D3SB60-4100	C	3S	4	108	120	600	-40 to 150	150	1.05	2	10	6	30	5.5	-	.88	.74	.66	.47
*627-D3SB80	D3SB80-4100	C	3S	4	108	120	800	-40 to 150	150	1.05	2	10	6	30	5.5	-	1.07	.89	.80	.57
*627-D4SB60L	D4SB60L-4100	C	3S	4	111	150	600	-40 to 150	150	0.95	2	10	6	30	5.5	-	1.03	.86	.77	.55
*627-D4SB80	D4SB80-4100	C	3S	4	108	150	800	-40 to 150	150	0.95	2	10	6	30	5.5	-	.92	.77	.69	.49
*627-D5SBA20	D5SBA20-4000	D	5S	6	110	120	200	-40 to 150	150	1.05	3	10	5	26	3.4	-	1.00	.83	.75	.53
*627-D5SBA60	D5SBA60-4000	D	5S	6	110	120	600	-40 to 150	150	1.05	3	10	5	26	3.4	-	1.00	.83	.75	.53
*627-D5SB20	D5SB20-4000	D	5S	6	110	170	200	-40 to 150	150	1.05	3	10	5	26	3.4	-	1.13	.94	.85	.60
627-D5SB60	D5SB60-4000	D	5S	6	110	170	600	-40 to 150	150	1.05	3	10	5	26	3.4	Large IFSM	1.13	.94	.85	.60
627-D5SB80-7000	D5SB80-7000	D	5S	6	110	170	800	-40 to 150	150	1.05	3	10	5	26	3.4	Large IFSM	1.13	.94	.85	.60
*627-D6SB60L	D6SB60L-4000	D	5S	6	112	170	600	-40 to 150	150	1.05	3	10	5	26	3.4	-	1.19	.99	.89	.63
*627-D6SB80-7000	D6SB80-7000	D	5S	6	110	170	800	-40 to 150	150	1.05	3	10	5	26	3.4	-	1.22	1.02	.91	.65
*627-D10XB20	D10XB20-4100	C	3S	10	100	120	200	-40 to 150	150	1.1	5	10	6	26	2.3	-	1.42	1.19	1.07	.76
*627-D10XB60-7100	D10XB60-7100	C	3S	10	100	120	600	-40 to 150	150	1.1	5	10	6	26	2.3	-	1.42	1.19	1.07	.76
*627-D10XB80	D10XB80-4100	C	3S	10	100	120	800	-40 to 150	150	1.1	5	10	6	26	2.3	-	1.42	1.19	1.07	.76
*627-D10XB20H	D10XB20H-4100	C	3S	10	112	170	200	-40 to 150	150	1.05	5	10	6	26	1.9	Large IFSM	1.56	1.30	1.17	.83
*627-D10XB60H-7100	D10XB60H-7100	C	3S	10	112	170	600	-40 to 150	150	1.05	5	10	6	26	1.9	Large IFSM	1.56	1.30	1.17	.83
*627-D15XB20	D15XB20-4000	D	5S	15	100	200	200	-40 to 150	150	1.1	7.5	10	5	22	1.5	-	1.46	1.21	1.09	.78
*627-D15XB60	D15XB60-4000	D	5S	15	100	200	600	-40 to 150	150	1.1	7.5	10	5	22	1.5	-	3.12	2.60	2.34	1.56
*627-D15XB80	D15XB80-4000	D	5S	15	100	200	800	-40 to 150	150	1.1	7.5	10	5	22	1.5	-	3.12	2.60	2.34	1.66
*627-D15XB20H	D15XB20H-4000	D	5S	15	107	240	200	-40 to 150	150	1.05	7.5	10	5	22	1.5	-	1.71	1.43	1.29	.91
*627-D15XB60H	D15XB60H-4000	D	5S	15	107	240	600	-40 to 150	150	1.05	7.5	10	5	22	1.5	Large IFSM	3.12	2.60	2.34	1.56
*627-D20XB60	D20XB60-4000	D	5S	20	87	240	600	-40 to 150	150	1.1	10	10	5	22	1.5	-	1.46	1.21	1.09	.78
*627-D20XB80-7000	D20XB80-7000	D	5S	20	87	240	800	-40 to 150	150	1.1	10	10	5	22	1.5	-	1.46	1.21	1.09	.78
*627-D25XB20	D25XB20-4000	D	5S	25	98	350	200	-40 to 150	150	1.05	12.5	10	5	22	1.0	-	1.59	1.32	1.19	.85
*627-D25XB60-7000	D25XB60-7000	D	5S	25	98	350	600	-40 to 150	150	1.05	12.5	10	5	22	1.0	-	2.70	2.25	2.03	1.44
*627-D25XB80-7000	D25XB80-7000	D	5S	25	98	350	800	-40 to 150	150	1.05	12.5	10	5	22	1.0	-	2.70	2.25	2.03	1.44



SHINDENGEN DIP BRIDGE RECTIFIERS

For quantities of 2000 and up, call for quot

MOUSER STOCK NO.	Shindengen Part No.	Absolute Max Ratings								Electrical Characteristics						Price Each			
		Fig.	Package	IO (A)	Condition Ta C	IFSM (A)	VRM (V)	Tstg (°C)	Tj (°C)	VF Max (V)	Conditions IF (A)	IR Max VR=VRM (μA)	j Max (°C/W)	ja Max (°C/W)	jc Max (°C/W)	1	100	500	1000
627-S1YB20	S1YB20-4101	A	1Y	.4	40	30	200	-40 to 150	150	1.05	.2	10	-	150	-	.34	.28	.25	.18
627-S1YB60-7101	S1YB60-7101	A	1Y	.4	40	30	600	-40 to 150	150	1.05	.2	10	-	150	-	.34	.28	.25	.18
627-S1ZB20-7102	S1ZB20-7102	B	1Z	.8	25	30	200	-40 to 150	150	1.05	.4	10	20	76	-	.24	.20	.18	.13
627-S1ZB60-7102	S1ZB60-7102	B	1Z	.8	25	30	600	-40 to 150	150	1.05	.4	10	20	76	-	.24	.20	.18	.13
627-S1ZB80-7102	S1ZB80-7102	B	1Z	.8	25	30	800	-40 to 150	150	1.05	.4	10	20	76	-	.30	.25	.23	.16
627-S1NB20-7101	S1NB20-7101	C	1N	1	25	30	200	-40 to 150	150	1.05	.5	10	15	68	-	.30	.25	.23	.16
627-S1NB60-7101	S1NB60-7101	C	1N	1	25	30	600	-40 to 150	150	1.05	.5	10	15	68	-	.30	.25	.23	.16
627-S1NB80	S1NB80-4101	C	1N	1	25	30	800	-40 to 150	150	1.05	.5	10	15	68	-	.30	.25	.23	.16

MOUSER ELECTRONICS a ttl company

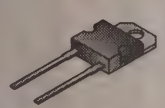
STMICROELECTRONICS Rectifiers

STMicroelectronics

DO-214AA

TO-252/TO-263

F-126/DO-201AD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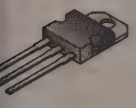
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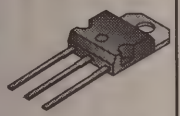
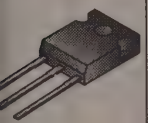
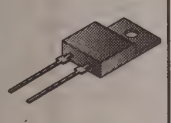

SOT-93


TO-247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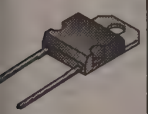
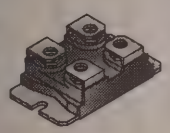
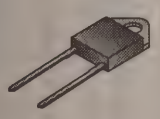

SOD-93


ISOTOP

TO-220FPAB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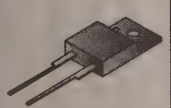
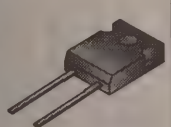
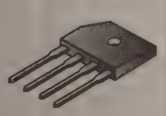
DO-214AC


ISOWATT220AC

DO-41


DO-247

TOP-3


GBU

FAST RECOVERY RECTIFIERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part Number	Case Type	VRMM Max. (V)	IF (AV) Typ. (A)	VF @ IF Max. (V)	trr Typ./Max. (ns)	tfr Typ./Max. (ns)	IFSM Max. (A)	Price Each 1	100	500	1000
Surface Mount											
511—SMBYW01-200	DO-214AA	200	1.0	0.9	25/35	----/25	60	.49	.27	.16	.14
511—SMBYW02-200	DO-214AA	200	2.0	0.85	26/35	30/----	50	.90	.54	.37	.31
511—STPR1020CB	TO-252	200	2 X 5	1.2	----/30	20/----	50	.94	.80	.71	.65
511—STPR1620CG	TO-263	200	2 X 8	1.25	----/30	20/----	80	1.38	1.17	1.04	.96
511—BYW51G-200	TO-252	200	2 X 10	1.15	----/25	15/----	100	1.50	1.28	1.13	1.04
511—STTH803G-TR	TO-263	300	8.0	1.25	----/25	----/200	100	1.28	.85	.56	.49
Thru Hole											
511—BYW100-200	F-126	200	1.5	1.2	----/35	30/----	50	.49	.27	.16	.14
511—BYW98-200	DO-201AD	200	3.0	1.2	----/35	20/----	70	.66	.44	.33	.27
511—STPR820D	TO-220AC	200	8.0	0.99	----/30	20/----	80	.95	.57	.39	.33
511—BYW29-200	TO-220AC	200	8.0	1.15	----/25	15/----	80	.78	.66	.59	.54
511—BYW80-200	TO-220AC	200	10.0	1.15	----/25	15/----	100	1.16	.77	.51	.45
511—STPR1020CT	TO-220AB	200	2 X 5	1.25	----/30	20/----	50	.90	.77	.68	.63
511—BYW81P-200	TO-220AC	200	15.0	1.15	----/25	15/----	200	2.20	1.87	1.65	1.52
511—BYW81PI-200	TO-220AC	200	15.0	1.15	----/25	15/----	200	2.60	2.21	1.95	1.79
511—BYW99P-200	SOT-93	200	15.0	1.15	----/25	15/----	200	3.47	2.25	1.80	1.71
511—BYW99W-200	TO-247	200	15.0	1.15	----/25	15/----	200	3.12	2.02	1.62	1.54
511—STPR1620CT	TO-220AB	200	2 X 8	1.25	----/30	20/----	80	1.28	.85	.56	.49
511—BYW80FP-200	TO-220FPAC	200	20.0	1.15	----/25	15/----	100	1.60	1.36	1.20	1.10
511—BYW51-200	TO-220AB	200	2 X 10	1.15	----/25	15/----	100	1.32	.88	.58	.51
511—BYW77P-200	SOD-93	200	25.0	1.15	----/35	10/----	500	4.20	3.57	3.15	2.90
511—BYV52-200	SOT-93	200	2 X 30	1.15	----/35	10/----	500	9.66	8.21	7.25	6.67
511—BYV54V-200	ISOTOP	200	2 X 50	1	----/40	10/----	2000	19.04	16.18	14.28	13.14
511—BYV541V-200	ISOTOP	200	2 X 50	1.15	----/40	10/----	2000	19.03	13.31	12.38	12.38
511—BYV255V-200	ISOTOP	200	2 X 100	1.15	----/80	10/----	3200	32.73	24.87	24.31	24.31
511—STTH2003CFP	TO-220FPAB	300	2 X 10	1.25	----/25	----/230	110	3.40	2.89	2.55	2.35
511—STTH2003CT	TO-220AB	300	2 X 10	1.25	----/25	----/230	110	1.48	1.26	1.10	.98
511—STTH3003CW	TO-247	300	2 X 15	1	----/30	----/300	140	4.16	2.70	2.16	2.05
511—STTH6003CW	TO-247	300	2 X 30	1	----/55	----/350	300	5.00	3.23	2.59	2.46
511—BYT01-400	F-126	400	1.0	1.5	----/55	----/----	30	.36	.20	.12	.11
511—BYT03-400	DO-201AD	400	3.0	1.5	----/55	----/----	60	.34	.29	.26	.24
511—BYT08P-400	TO-220AC	400	8.0	1.5	----/75	----/----	100	1.26	1.07	.95	.87
511—BYT08PI-400	TO-220AC	400	8.0	1.5	----/75	----/----	100	1.06	.90	.80	.70
511—BYT16P-400	TO-220AC	400	16.0	1.5	----/75	----/----	100	2.36	2.01	1.77	1.63
511—BYT30P-400	SOD-93	400	30.0	1.5	----/100	----/----	350	5.16	4.39	3.87	3.56
511—BYT60P-400	SOD-93	400	60.0	1.4	----/50	----/----	550	7.66	5.53	4.33	4.33
511—BYT230PIV-400	ISOTOP	400	2 X 30	1.9	----/165	----/----	200	18.28	15.54	13.71	12.61
511—BYT261PIV-400	ISOTOP	400	2 X 60	1.5	----/100	----/----	600	18.01	13.69	13.38	13.38
511—BYT12P-1000	TO-220AC	1000	12.0	1.9	----/155	----/----	75	3.44	2.92	2.58	2.37
511—BYT12PI-1000	TO-220AC	1000	12.0	1.9	----/155	----/----	75	4.68	3.03	2.43	2.30
511—BYT30P-1000	SOD-93	1000	30.0	1.5	----/100	----/----	350	7.00	5.95	5.25	4.83
511—BYT30PI-1000	DOP-3I	1000	30.0	1.9	----/165	----/----	200	8.00	6.80	6.00	5.50
511—BYT230PIV-1000	ISOTOP	1000	2 X 30	1.9	----/165	----/----	200	18.00	12.60	11.70	11.70
511—BYT261PIV-1000	ISOTOP	1000	2 X 60	1.5	----/100	----/----	600	34.00	28.90	25.50	23.46

ULTRA FAST RECOVERY RECTIFIERS

For quantities of 2000 and up, call for quote.

Surface Mount											
511—STTH102A	DO-214AC	200	1.0	0.78	----/20	----/----	40	.36	.20	.12	.10
511—STTH1R06U	DO-214AA	600	1.0	1.7	----/25	----/100	20	.30	.26	.23	.21
511—STTA106U	DO-214AA	600	1.0	1.75	20/50	----/500	25	1.50	1.00	.66	.58
511—STTA506B	TO-252	600	5.0	1.75	20/50	----/500	55	1.70	1.45	1.28	1.18
511—STTA1206G	TO-252	600	12.0	1.75	28/55	----/500	110	1.80	1.53	1.35	1.24
Thru Hole											
511—STPR520D	TO-220AC	200	5.0	0.99	----/30	20/----	50	.80	.68	.60	.55
511—STPR1020CF	ISOWATT220AC	200	2 X 5	1.25	----/30	20/----	50	1.10	.94	.83	.76
511—STTH60P03SW	TO-247	300	60.0	1.5	----/----	----/----	250	1.60	1.36	1.20	1.10
511—STTH1L06	DO-41	600	1.0	1.3	55/80	----/50	30	.40	.34	.30	.28
511—STTH2R06-TR	DO-41	600	2.0	1.7	35/50	----/100	40	.22	.19	.17	.16
511—STTH3L06	DO-201AD	600	3.0	1.3	60/85	----/100	80	.68	.41	.28	.23
511—STTH306	DO-201AD	600	3.0	1.7	----/30	----/100	55	.50	.43	.38	.35
511—STTH3R06	DO-201AD	600	3.0	1.7	----/30	----/100	55	.60	.51	.45	.41
511—STTH3R06RL	DO-201AD	600	3.0	1.7	----/30	----/100	55	.60	.51	.45	.41
511—STTH5L06	DO-201AD	600	5.0	1.3	65/95	----/150	110	.80	.68	.60	.55
511—STTH8L06DI	TO-220AC	600	8.0	1.3	75/105	----/150	120	.72	.61	.54	.50
511—STTH8R06DI	TO-220AC	600	8.0	2.9	----/25	----/150	80	.68	.58	.51	.47
511—STTA806D	TO-220AC	600	8.0	1.75	25/52	----/500	90	1.31	.88	.58	.51
511—STTA806DI	TO-220AC	600	8.0	1.75	25/52	----/500	90	2.58	1.81	1.29	1.16
511—STTH8R06D	TO-220AC	600	8.0	2.9	----/25	----/150	80	1.30	1.11	.96	.86
511—STTH8R06FP	TO-220FPAB	600	8.0	2.9	----/25	----/150	80	1.40	1.19	1.05	.97
511—STTH16L06CFP	TO-220FPAB	600	2 X 8	1.8	----/35	----/200	90	1.12	.95	.84	.77
511—STTA1206D	TO-220AC	600	12.0	1.75	28/55	----/500	110	1.69	1.13	.75	.65
511—STTA1206DI	TO-220AC	600	12.0	1.75	28/55	----/500	110	2.14	1.82	1.61	1.48
511—STTH12R06D	TO-220AC	600	12.0	2.9	----/25	----/200	100	1.80	1.26	.90	.81
511—STTH12R06DI	TO-220AC	600	12.0	2.9	----/25	----/200	100	1.20	1.02	.90	.83
511—STTH12R06FP	TO-220FPAB	600	12.0	2.9	----/25	----/200	100	1.40	1.19	1.05	.97
511—STTH15L06FP	TO-220FPAC	600	15.0	1.55	----/55	----/300	130	1.12	.95	.84	.77
511—STTH15R06D	TO-220AC	600	15.0	2.9	----/30	----/200	120	1.40	1.19	1.05	.97
511—STTH15R06FP	TO-220FPAB	600	15.0	2.9	----/30	----/200	120	1.40	1.19	1.05	.97
511—STTA3006P	SOD-93	600	30.0	1.5	35/65	----/600	230	3.38	2.19	1.75	1.66
511—STTH30L06D	TO-220AC	600	30.0	1.55	65/90	----/500	160	2.52	1.76	1.26	1.13
511—STTH30L06W	DO-247	600	30.0	1.55	65/90	----/500	160	1.68	1.43	1.26	1.16
511—STTH30R06D	TO-220AC	600	30.0	1.85	50/70	----/500	160	1.06	.90	.80	.74
511—STTH30R06W	DO-247	600	30.0	1.85	50/70	----/500	160	1.10	.94	.83	.76
511—STTH3006TPI	TOP-3	600	30.0	3.6	25/----	----/400	180	5.00	4.25	3.75	3.45
511—STTA3006CW	TO-247	600	2 X 15	1.8	35/65	----/500	230	5.05	3.27	2.62	2.49
511—STTH30R06CW	TO-247	600	2 X 15	2.9	----/30	----/200	120	3.20	2.72	2.40	2.21
511—STTA12006TV1	ISOTOP	600	60/2X60	1.5	45/80	----/700	500	23.40	19.89	17.55	16.15
511—STTH200L06TV1	ISOTOP	600	2 X 120	1.55	----/80	----/700	800	30.00	25.50	22.50	20.70
511—STTA512FP	TO-220FPAC	1200	5.0	2.2	45/95	----/900	45	1.60	1.36	1.20	1.10
511—STTA812DI	DO-220AC	1200	8.0	2	50/100	----/900	70	2.20	1.87	1.65	1.52
511—STTA1212D	TO-220AC	1200	12.0	2	50/100	----/900	100	1.70	1.45	1.28	1.18
511—STTA2512P	SOD-93	1200	25.0	2.1	60/110	----/900	210	5.00	4.25	3.75	3.45

BRIDGE RECTIFIERS

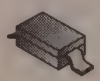
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. / Mfr. Part Number	Case Type	PRV Max. (V)	IF (AV) Typ. (A)	VRMS Max. (V)	IFSM Max. (A)	VF Max. (V)	IR (μA)	Price Each 1	100	500	1000
Thru Hole											
511—STBR406	GBU	600	4.0	420	120	1.05	5	1.00	.85	.75	.69
511—STBR606	GBU	600	6.0	420	175	1.05	5	1.20	1.02	.90	.83
511—STBR408	GBU	800	4.0	560	120	1.05	5	1.10	.94	.81	.76
511—STBR608	GBU	800	6.0	560	175	1.05	5	1.30	1.11	.98	.90

STMICROELECTRONICS Rectifiers

STMicroelectronic

DO-216AA


SOD-123-2L

DO-214AA

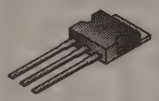
TO-252/TO-263

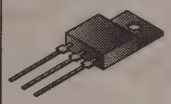
SOT-23

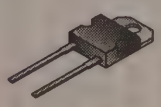
SOT-323

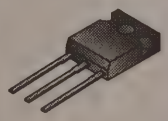
DO-214AC

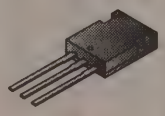
DO-214AB


I2PAK

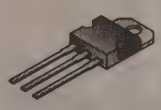

TO-220FPAB

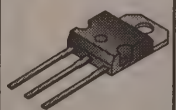

TO-220AC

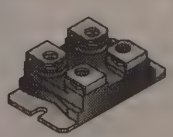

TO-247


MAX247

DO-35/DO-41/DO-201AD


TO-220AB


SOT-93


ISOTOP

SCHOTTKY RECTIFIERS

For quantities of 2000 and up, call for quot

MOUSER STOCK NO. / Mfr. / Mfr. Part No.	Case Type	VRMM Max. (V)	IF Max. (A)	VF @ IF Max. (V)	Tj Max. (C)	IFSM Max. (A)	Price Each 1	100	500	1000
Surface Mount										
511—STPS0520M	DO-216AA	20	0.5	0.33	5.5	150	.36	.31	.27	.25
511—STPS0520Z	SOD-123-2L	20	0.5	0.3	5.5	125	.26	.22	.20	.18
511—STPS125U	DO-214AA	25	1	-----	-----	-----	.61	.52	.46	.42
511—STPS5L25B	TO-252	25	5	0.47	75	150	.90	.77	.68	.63
511—BAR42FILM	SOT-23	30	0.1	1	0.75	150	.40	.19	.10	.083
511—BAR43FILM	SOT-23	30	0.1	1	0.75	150	.40	.19	.10	.083
511—BAR43AFILM	SOT-23	30	0.1	1	0.75	150	.40	.19	.10	.083
511—BAR43CFILM	SOT-23	30	0.1	1	0.75	150	.40	.19	.10	.083
511—BAR43SFILM	SOT-23	30	0.1	1	0.75	150	.40	.19	.10	.083
511—BAT54FILM	SOT-23	30	0.3	0.9	1	150	.20	.17	.15	.14
511—BAT54AFILM	SOT-23	30	0.3	0.9	1	150	.22	.19	.17	.16
511—BAT54AWFILM	SOT-323	30	0.3	0.9	1	150	.40	.19	.10	.083
511—BAT54CFILM	SOT-23	30	0.3	0.9	1	150	.40	.19	.10	.083
511—BAT54SFILM	SOT-23	30	0.3	0.9	1	150	.40	.19	.10	.083
511—STPS1L30U	DO-214AA	30	1	0.3	75	150	.49	.27	.16	.14
511—STPS41L30CG	TO-263	30	2 X 20	0.57	220	150	1.80	1.53	1.35	1.24
511—STPS15L30CB	TO-252	30	2 X 7.5	0.57	75	150	1.00	.85	.75	.69
511—STPS140U	DO-214AA	40	1	0.5	60	150	.50	.28	.16	.14
511—STPS140A	DO-214AC	40	1	0.55	60	150	.42	.23	.14	.12
511—STPS2L40U	DO-214AA	40	2	0.34	75	150	.46	.39	.35	.32
511—STPS340B	TO-252	40	3	0.63	75	150	.74	.63	.48	.48
511—STPS340S	DO-214AB	40	3	0.63	75	150	1.01	.68	.45	.39
511—STPS340U	DO-214AA	40	3	0.63	75	150	.68	.41	.28	.23
511—STPS640CB	TO-252	40	2 X 3	0.63	75	150	1.14	.97	.86	.79
511—STPS15L45CB	TO-252	45	2 X 7.5	0.64	75	150	1.01	.68	.45	.39
511—STPS1545CG	TO-263	45	2 X 7.5	0.84	150	175	1.30	1.11	.98	.90
511—STPS2045CR	I2PAK	45	2 X 10	0.84	180	175	.74	.63	.56	.52
511—STPS30L45CR	I2PAK	45	2 X 15	0.55	220	150	1.00	.85	.75	.69
511—STPS41L45CG	TO-263	45	2 X 20	0.68	220	150	1.80	1.53	1.35	1.24
511—STPS160A	DO-214AC	60	1	0.67	75	150	.72	.43	.30	.25
511—STPS160U	DO-214AA	60	1	0.67	75	150	.50	.43	.38	.35
511—STPS15L60CB	TO-252	60	2 X 7.5	0.82	75	150	1.00	.85	.75	.69
511—STPS41L60CG	TO-263	60	2 X 20	0.77	220	150	2.20	1.87	1.65	1.52
511—BAR18FILM	SOT-23	70	0.15	0.41	-----	150	.41	.21	.12	.096
511—BAS70-04FILM	SOT-23	70	0.15	0.41	-----	150	.40	.19	.10	.083
511—BAS70-05FILM	SOT-23	70	0.15	0.41	-----	150	.34	.29	.26	.24
511—BAS70-06FILM	SOT-23	70	0.15	0.41	-----	150	.34	.29	.26	.24
511—STPS1H100U	DO-214AA	100	1	0.77	50	175	.68	.58	.51	.47
511—STPS1100U	DO-214AA	100	1.5	0.71	75	115	.68	.58	.51	.47
511—STPS3100B	TO-252	100	3	0.65	50	125	.82	.70	.62	.57
511—STPS5H100B	TO-252	100	5	0.61	75	175	1.12	.95	.84	.77
511—STPS8H100G	TO-263	100	8	0.58	250	175	1.38	1.17	1.04	.96
511—STPS20H100CG-TR	TO-263	100	2 X 5	0.64	250	175	.80	.73	.70	.70
511—STPS15H100CB	TO-252	100	2 X 7.5	0.89	75	175	1.00	.85	.74	.66
511—STPS41H100CG	TO-263	100	2 X 20	0.9	220	175	2.40	2.04	1.80	1.66
511—STPS1150M	DO-216AA	150	1	0.82	150	50	.14	.12	.11	.10
511—STPS2150A	DO-214AC	150	2	0.67	75	175	.38	.23	.14	.12
Thru Hole										
511—STPS20L15D	TO-220AC	15	20	0.41	310	125	2.06	1.75	1.55	1.43
511—STPS40L15CW	TO-247	15	2 X 20	0.52	310	150	3.47	2.25	1.80	1.71
511—STPS80L15CY	MAX247	15	2 X 40	0.33	400	125	13.00	11.05	9.75	8.97
511—BAT47	DO-35	20	0.35	0.5	7.5	125	.41	.17	.10	.096
511—BAT48	DO-35	20	0.35	0.75	7.5	125	.41	.21	.12	.096
511—1N5817	DO-41	20	1	0.45	25	150	.20	.17	.15	.14
511—1N5820	DO-201AD	20	3	0.475	80	150	.24	.20	.18	.17
511—STPS10L25D	TO-220AC	25	10	0.46	200	150	1.50	1.00	.66	.58
511—STPS20L25CT	TO-220AB	25	2 X 10	0.35	220	150	2.20	1.87	1.65	1.52
511—STPS15L25D	TO-220AC	25	15	0.46	250	150	1.74	1.48	1.31	1.21
511—BAT42	DO-35	30	0.2	1	4	125	.41	.21	.12	.096
511—BAT43	DO-35	30	0.2	1	4	125	.41	.17	.10	.096
511—1N5818	DO-41	30	1	0.55	25	150	.20	.17	.15	.14
511—1N5821	DO-201AD	30	3	0.5	80	150	.24	.20	.18	.17
511—STPS30L30CT	TO-220AB	30	2 X 15	0.37	220	150	1.65	1.16	.83	.74
511—STPS60L30CW	TO-247	30	2 X 30	0.38	600	150	4.10	2.66	2.13	2.02
511—1N5819	DO-41	40	1	0.6	25	150	.20	.17	.15	.14
511—1N5822	DO-201AD	40	3	0.525	80	150	.24	.20	.18	.17
511—STPS10L40CT	TO-220AB	40	2 X 5	0.67	150	150	.74	.63	.56	.52
511—STPS30L40CT	TO-220AB	40	2 X 15	0.37	220	150	1.52	1.29	1.14	1.05
511—STPS30L40CW	TO-247	40	2 X 15	0.74	220	150	2.30	1.96	1.73	1.59
511—STPS745D	TO-220AC	45	7.5	0.84	150	175	1.09	.65	.45	.38
511—STPS1045D	TO-220AB	45	10	0.84	180	175	1.08	.65	.44	.37
511—STPS1545D	TO-220AC	45	15	0.57	220	175	.95	.63	.42	.37
511—STPS1545CT	TO-220AB	45	2 X 7.5	0.57	150	175	1.03	.69	.46	.40
511—STPS2045CT	TO-220AB	45	2 X 10	0.84	180	175	1.16	.99	.87	.80
511—STPS30L45CFP	TO-220FPAB	45	2 X 15	0.55	220	150	1.38	1.17	1.04	.96
511—STPS3045CP	SOT-93	45	2 X 15	0.84	220	175	2.10	1.79	1.46	1.38
511—STPS3045CT	TO-220AB	45	2 X 15	0.84	220	175	1.43	.95	.62	.54
511—STPS3045CW	TO-247	45	2 X 15	0.84	220	175	2.10	1.79	1.58	1.45
511—STPS4045CW	TO-247	45	2 X 20	0.94	220	175	2.28	1.94	1.71	1.57
511—STPS6045CP	SOT-93	45	2 X 30	0.63	400	175	3.20	2.72	2.40	2.21
511—STPS6045CW	TO-247	45	2 X 30	0.84	400	175	3.27	2.12	1.69	1.61
511—STPS12045TV	ISOTOP	45	2 X 60	0.91	900	150	18.37	13.95	13.65	13.65
511—STPS16045TV	ISOTOP	45	2 X 80	0.95	900	150	21.06	16.00	15.65	15.65
511—STPS24045TV	ISOTOP	45	2 X 120	0.67	1500	150	34.72	29.51	26.04	23.96
511—1N6263	DO-35	60	0.15	1	50	200	.41	.21	.12	.096
511—1N5711	DO-35	70	0.15	1	-----	200	.41	.21	.12	.10
511—BAT41	DO-35	100	0.1	0.45	0.75	125	.41	.21	.10	.096
511—BAT46	DO-35	100	0.15	0.25	0.75	115	.14	.12	.11	.10
511—STPS8H100D	TO-220AB	100	8	0.71	250	175	1.24	.83	.55	.48
511—STPS20H100CT	TO-220AB	100	2 X 10	0.77	250	175	1.62	1.13	.81	.73
511—STPS30H100CW	TO-247	100	2 X 15	0.67	250	175	2.44	2.07	1.83	1.68
511—STPS41H100CT	TO-220AB	100	2 X 20	0.9	220	175	2.30	1.96	1.73	1.59
511—STPS160H100TV	ISOTOP	100	2 X 80	0.68	1000	150	26.95	20.48	20.02	20.02
511—STPS1150	DO-41	150	1	0.82	75	175	.42	.23	.14	.12
511—STPS10150CT	TO-220AB	150	2 X 5	1	120	175	1.20	1.02	.90	.83
511—STPS16150CT	TO-220AB	150	2 X 8	1	150	175	1.40	1.19	1.04	.93
511—STPS20150CFP	TO-220FPAB	150	2 X 10	0.92	189	175	1.00	.85	.75	.69
511—STPS20150CT	TO-220AB	150	2 X 10	1	180	175	1.60	1.36	1.19	1.07
511—STPS30150CT	TO-220AB	150	2 X 15	1	220	175	1.80	1.53	1.35	1.24
511—STPS30150CW	TO-247	150	2 X 15	1	220	175	3.00	2.55	2.25	2.07

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						Rated Io(A)	25°C VF(V)	@ 25°C IR(μA)	@ 100°C IR(μA)			Operating (°C)	Storage (°C)	1	100	500
821-MBS2	MBS2	MBS	35	200	0.8	0.4	1	5	100@125°C	n/a	85	-55~+150	-55~+150	.26	.21	.17
821-MBS4	MBS4	MBS	35	400	0.8	0.4	1	5	100@125°C	n/a	85	-55~+150	-55~+150	.26	.21	.17
821-MBS6	MBS6	MBS	35	600	0.8	0.4	1	5	100@125°C	n/a	85	-55~+150	-55~+150	.26	.21	.17
821-MBS8	MBS8	MBS	35	800	0.8	0.4	1	5	100@125°C	n/a	85	-55~+150	-55~+150	.27	.23	.18
821-MBS10	MBS10	MBS	35	1000	0.8	0.4	1	5	100@125°C	n/a	85	-55~+150	-55~+150	.29	.24	.19
821-W01	W01	RB-15	40	100	1.5	1	1	10	500	n/a	n/a	-55~+125	-55~+150	.29	.26	.23
821-W02	W02	RB-15	40	200	1.5	1	1	10	500	n/a	n/a	-55~+125	-55~+150	.28	.24	.19
821-W04	W04	RB-15	40	400	1.5	1	1	10	500	n/a	n/a	-55~+125	-55~+150	.29	.25	.20
821-W06	W06	RB-15	40	600	1.5	1	1	10	500	n/a	n/a	-55~+125	-55~+150	.37	.31	.25
821-W08	W08	RB-15	40	800	1.5	1	1	10	500	n/a	n/a	-55~+125	-55~+150	.39	.34	.27
821-W10	W10	RB-15	40	1000	1.5	1	1	10	500	n/a	n/a	-55~+125	-55~+150	.42	.36	.29
821-DB101G	DB101G	DB	50	50	1	1	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.31	.26	.21
821-DB102G	DB102G	DB	50	100	1	1	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.33	.28	.22
821-DBS102G	DBS102G	DBS	50	100	1	1	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.39	.33	.27
821-DB152G	DB152G	DB	50	100	1.5	1.5	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.40	.36	.32
821-DBS152G	DBS152G	DBS	50	100	1.5	1.5	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.44	.40	.35
821-DB103G	DB103G	DB	50	200	1	1	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.36	.31	.25
821-DBS103G	DBS103G	DBS	50	200	1	1	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.41	.35	.28
821-DB153G	DB153G	DB	50	200	1.5	1.5	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.42	.38	.33
821-DBS153G	DBS153G	DBS	50	200	1.5	1.5	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.44	.40	.35
821-DB104G	DB104G	DB	50	400	1	1	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.37	.32	.25
821-DBS104G	DBS104G	DBS	50	400	1	1	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.42	.36	.29
821-DB154G	DB154G	DB	50	400	1.5	1.5	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.44	.40	.35
821-DBS154G	DBS154G	DBS	50	400	1.5	1.5	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.47	.42	.37
821-DB105G	DB105G	DB	50	600	1	1	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.41	.35	.28
821-DBS105G	DBS105G	DBS	50	600	1	1	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.47	.40	.32
821-DB155G	DB155G	DB	50	600	1.5	1.5	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.44	.40	.35
821-DBS155G	DBS155G	DBS	50	600	1.5	1.5	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.49	.44	.39
821-DB106G	DB106G	DB	50	800	1	1	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.50	.43	.34
821-DBS106G	DBS106G	DBS	50	800	1	1	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.57	.49	.39
821-DB156G	DB156G	DB	50	800	1.5	1.5	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.47	.42	.37
821-DBS156G	DBS156G	DBS	50	800	1.5	1.5	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.51	.46	.40
821-DB107G	DB107G	DB	50	1000	1	1	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.50	.43	.34
821-DBS107G	DBS107G	DBS	50	1000	1	1	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.63	.54	.43
821-DB157G	DB157G	DB	50	1000	1.5	1.5	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.49	.44	.39
821-DBS157G	DBS157G	DBS	50	1000	1.5	1.5	1.1	10	500@125°C	n/a	40	-55~+150	-55~+150	.51	.46	.40
821-GBU402	GBU402	GBU	150	100	4	4	1	5	500@125°C	n/a	(RøJC) 4.0	-55~+150	-55~+150	.69	.58	.46
821-GBU403	GBU403	GBU	150	200	4	4	1	5	500@125°C	n/a	(RøJC) 4.0	-55~+150	-55~+150	.72	.60	.48
821-GBU404	GBU404	GBU	150	400	4	4	1	5	500@125°C	n/a	(RøJC) 4.0	-55~+150	-55~+150	.72	.60	.48
821-GBU405	GBU405	GBU	150	600	4	4	1	5	500@125°C	n/a	(RøJC) 4.0	-55~+150	-55~+150	.72	.60	.48
821-GBU406	GBU406	GBU	150	800	4	4	1	5	500@125°C	n/a	(RøJC) 4.0	-55~+150	-55~+150	.72	.60	.48
821-GBU407	GBU407	GBU	150	1000	4	4	1	5	500@125°C	n/a	(RøJC) 4.0	-55~+150	-55~+150	.75	.64	.50
821-GBU602	GBU602	GBU	175	100	6	6	1	5	500@125°C	n/a	(RøJC) 2	-55~+150	-55~+150	.93	.78	.62
821-GBU603	GBU603	GBU	175	200	6	6	1	5	500@125°C	n/a	(RøJC) 2	-55~+150	-55~+150	.93	.78	.62
821-GBU604	GBU604	GBU	175	400	6	6	1	5	500@125°C	n/a	(RøJC) 2	-55~+150	-55~+150	.93	.78	.62
821-GBU605	GBU605	GBU	175	600	6	6	1	5	500@125°C	n/a	(RøJC) 2	-55~+150	-55~+150	.93	.78	.62
821-GBU606	GBU606	GBU	175	800	6	6	1	5	500@125°C	n/a	(RøJC) 2	-55~+150	-55~+150	.96	.80	.64
821-GBU607	GBU607	GBU	175	1000	6	6	1	5	500@125°C	n/a	(RøJC) 2	-55~+150	-55~+150	.96	.80	.64
821-SB602	SB602	SB-6	200	100	6	3	1	10	500	n/a	n/a	-55~+125	-55~+150	1.06	.96	.84
821-SBT602	SBT602	SBT-6	200	100	6	3	1	10	500	n/a	n/a	-55~+125	-55~+150	1.24	1.12	.98
821-SB603	SB603	SB-6	200	200	6	3	1	10	500	n/a	n/a	-55~+125	-55~+150	1.06	.96	.84
821-SBT603	SBT603	SBT-6	200	200	6	3	1	10	500	n/a	n/a	-55~+125	-55~+150	1.37	1.24	1.09
821-SB604	SB604	SB-6	200	400	6	3	1	10	500	n/a	n/a	-55~+125	-55~+150	1.10	1.00	.88
821-SBT604	SBT604	SBT-6	200	400	6	3	1	10	500	n/a	n/a	-55~+125	-55~+150	1.46	1.32	1.15
821-SB605	SB605	SB-6	200	600	6	3	1	10	500	n/a	n/a	-55~+125	-55~+150	1.10	1.00	.88
821-SBT605	SBT605	SBT-6	200	600	6	3	1	10	500	n/a	n/a	-55~+125	-55~+150	1.59	1.44	1.26
821-SB606	SB606	SB-6	200	800	6	3	1	10	500	n/a	n/a	-55~+125	-55~+150	1.19	1.08	.95
821-SBT606	SBT606	SBT-6	200	800	6	3	1	10	500	n/a	n/a	-55~+125	-55~+150	1.63	1.48	1.30
821-SB607	SB607	SB-6	200	1000	6	3	1	10	500	n/a	n/a	-55~+125	-55~+150	1.32	1.20	1.05
821-SBT607	SBT607	SBT-6	200	1000	6	3	1	10	500	n/a	n/a	-55~+125	-55~+150	1.72	1.56	1.37
821-TS20P02G	TS20P02G	TS6P	250	100	20	20	1.1	10	500@125°C	n/a	n/a	-55~+150	-55~+150	2.00	1.70	1.37
821-TS20P03G	TS20P03G	TS6P	250	200	20	20	1.1	10	500@125°C	n/a	n/a	-55~+150	-55~+150	2.28	1.95	1.57
821-TS20P04G	TS20P04G	TS6P	250	400	20	20	1.1	10	500@125°C	n/a	n/a	-55~+150	-55~+150	2.35	2.00	1.61
821-TS20P05G	TS20P05G	TS6P	250	600	20	20	1.1	10	500@125°C	n/a	n/a	-55~+150	-55~+150	2.64	2.24	1.81
821-TS20P06G	TS20P06G	TS6P	250	800	20	20	1.1	10	500@125°C	n/a	n/a	-55~+150	-55~+150	3.03	2.58	2.08
821-TS20P07G	TS20P07G	TS6P	250	1000	20	20	1.1	10	500@125°C	n/a	n/a	-55~+150	-55~+150	3.35	2.85	2.29
821-KBU1002	KBU1002	KBU	300	100	10	10	1.1	10	500	n/a	n/a	-55~+125	-55~+150	1.23	1.03	.82
821-SB102	SB102	SB-10	300	100	10	5	1.1	10	500	n/a	n/a	-55~+125	-55~+150	1.54	1.40	1.23
821-SB251	SB251	SB35	300	100	25	12.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.04	2.76	2.42
821-SB251W	SB251W	SB35-W	300	100	25	12.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.08	2.80	2.45
821-KBU1003	KBU1003	KBU	300	200	10	10	1.1	10	500	n/a	n/a	-55~+125	-55~+150	1.23	1.03	.82
821-SB103	SB103	SB-10	300	200	10	5	1.1	10	500	n/a	n/a	-55~+125	-55~+150	1.54	1.40	1.23
821-SB252	SB252	SB35	300	200	25	12.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.08	2.80	2.45
821-SB252W	SB252W	SB35-W	300	200	25	12.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.13	2.84	2.49
821-KBU1004	KBU1004	KBU	300	400	10	10	1.1	10	500	n/a	n/a	-55~+125	-55~+150	1.23	1.03	.82
821-SB104	SB104	SB-10	300	400	10	5	1.1	10	500	n/a	n/a	-55~+125	-55~+150	1.59	1.44	1.26
821-SB254	SB254	SB35	300	400	25	12.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.08	2.80	2.45
821-SB254W	SB254W	SB35-W	300	400	25	12.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.22	2.92	2.56
821-KBU1005	KBU1005	KBU	300	600	10	10	1.1	10	500	n/a	n/a	-55~+125	-55~+150	1.29	1.08	.86

TAIWAN SEMICONDUCTOR Rectifiers

TAIWAN SEMICONDUCTOR

STANDARD BRIDGE RECTIFIERS (CONT.)

For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Max. Forward Voltage		Max. Reverse Current		Max. Rev. Recovery Time Trr (ns)	Typical Thermal Resist. RøJA (°C/W)	Temperature Range		Price Each		
						Rated Io(A)	25°C VF(V)	@ 25°C IR(μA)	@ 100°C IR(μA)			Operating (°C)	Storage (°C)	1	100	500
821-SB105	SB105	SB-10	300	600	10	5	1.1	10	500	n/a	n/a	-55~+125	-55~+150	1.63	1.48	1.30
821-SB256	SB256	SB35	300	600	25	12.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.13	2.84	2.49
821-SB256W	SB256W	SB35-W	300	600	25	12.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.22	2.92	2.56
821-KBU1006	KBU1006	KBU	300	800	10	10	1.1	10	500	n/a	n/a	-55~+125	-55~+150	1.29	1.08	.86
821-SB106	SB106	SB-10	300	800	10	5	1.1	10	500	n/a	n/a	-55~+125	-55~+150	1.72	1.56	1.37
821-SB258	SB258	SB35	300	800	25	12.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.22	2.92	2.56
821-SB258W	SB258W	SB35-W	300	800	25	12.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.26	2.96	2.59
821-KBU1007	KBU1007	KBU	300	1000	10	10	1.1	10	500	n/a	n/a	-55~+125	-55~+150	1.29	1.08	.86
821-SB107	SB107	SB-10	300	1000	10	5	1.1	10	500	n/a	n/a	-55~+125	-55~+150	1.72	1.56	1.37
821-SB2510	SB2510	SB35	300	1000	25	12.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.35	3.04	2.66
821-SB2510W	SB2510W	SB35-W	300	1000	25	12.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.35	3.04	2.66
821-SB351	SB351	SB35	400	100	35	17.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.08	2.80	2.45
821-SB351W	SB351W	SB35-W	400	100	35	17.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.13	2.84	2.49
821-GBPC4001	GBPC4001	GBPC40	400	100	40	20	1.1	10	n/a	n/a	(RøJC) 1.5	-50~+150	-50~+150	3.96	3.30	2.64
821-SB352	SB352	SB35	400	200	35	17.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.13	2.84	2.49
821-SB352W	SB352W	SB35-W	400	200	35	17.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.22	2.92	2.56
821-GBPC4002	GBPC4002	GBPC40	400	200	40	20	1.1	10	n/a	n/a	(RøJC) 1.5	-50~+150	-50~+150	4.02	3.35	2.68
821-SB354	SB354	SB35	400	400	35	17.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.13	2.84	2.49
821-SB354W	SB354W	SB35-W	400	400	35	17.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.22	2.92	2.56
821-GBPC4004	GBPC4004	GBPC40	400	400	40	20	1.1	10	n/a	n/a	(RøJC) 1.5	-50~+150	-50~+150	4.11	3.43	2.74
821-SB356	SB356	SB35	400	600	35	17.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.22	2.92	2.56
821-SB356W	SB356W	SB35-W	400	600	35	17.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.26	2.96	2.59
821-GBPC4006	GBPC4006	GBPC40	400	600	40	20	1.1	10	n/a	n/a	(RøJC) 1.5	-50~+150	-50~+150	4.20	3.50	2.80
821-SB358	SB358	SB35	400	800	35	17.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.26	2.96	2.59
821-SB358W	SB358W	SB35-W	400	800	35	17.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.35	3.04	2.66
821-GBPC4008	GBPC4008	GBPC40	400	800	40	20	1.1	10	n/a	n/a	(RøJC) 1.5	-50~+150	-50~+150	4.29	3.58	2.86
821-SB3510	SB3510	SB35	400	1000	35	17.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.39	3.08	2.70
821-SB3510W	SB3510W	SB35-W	400	1000	35	17.5	1.1	10	n/a	n/a	(RøJC) 2.0	-50~+125	-50~+150	3.44	3.12	2.73
821-GBPC4010	GBPC4010	GBPC40	400	1000	40	20	1.1	10	n/a	n/a	(RøJC) 1.5	-50~+150	-50~+150	4.62	3.85	3.08

STANDARD RECTIFIERS

For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Max. Forward Voltage		Max. Reverse Current		Max. Rev. Recovery Time Trr (ns)	Typical Thermal Resist. RøJA (°C/W)	Temperature Range		Price Each		
						Rated Io(A)	25°C VF(V)	@ 25°C IR(μA)	@ 100°C IR(μA)			Operating (°C)	Storage (°C)	1	100	500
821-1N4001	1N4001	DO-41	30	50	1	1	1	5	50	n/a	50	-65~+125	-65~+150	.04	.03	.02
821-GP10A	GP10A	DO-41	30	50	1	1	1.1	5	30@125°C	n/a	55	-65~+175	-65~+175	.09	.08	.06
821-S1A	S1A	SMA/DO-214AC	30	50	1	1	1.1	5	50@125°C	n/a	n/a	-55~+150	-55~+150	.07	.06	.05
821-1N4002	1N4002	DO-41	30	100	1	1	1	5	50	n/a	50	-65~+125	-65~+150	.04	.03	.02
821-GP10B	GP10B	DO-41	30	100	1	1	1.1	5	30@125°C	n/a	55	-65~+175	-65~+175	.10	.08	.06
821-S1B	S1B	SMA/DO-214AC	30	100	1	1	1.1	5	50@125°C	n/a	n/a	-55~+150	-55~+150	.07	.06	.05
821-1N4003	1N4003	DO-41	30	200	1	1	1	5	50	n/a	50	-65~+125	-65~+150	.04	.03	.02
821-GP10D	GP10D	DO-41	30	200	1	1	1.1	5	30@125°C	n/a	55	-65~+175	-65~+175	.10	.08	.06
821-S1D	S1D	SMA/DO-214AC	30	200	1	1	1.1	5	50@125°C	n/a	n/a	-55~+150	-55~+150	.07	.06	.05
821-1N4004	1N4004	DO-41	30	400	1	1	1	5	50	n/a	50	-65~+125	-65~+150	.04	.03	.02
821-GP10G	GP10G	DO-41	30	400	1	1	1.1	5	30@125°C	n/a	55	-65~+175	-65~+175	.10	.08	.07
821-S1G	S1G	SMA/DO-214AC	30	400	1	1	1.1	5	50@125°C	n/a	n/a	-55~+150	-55~+150	.07	.06	.05
821-1N4005	1N4005	DO-41	30	600	1	1	1	5	50	n/a	50	-65~+125	-65~+150	.04	.03	.02
821-GP10J	GP10J	DO-41	30	600	1	1	1.1	5	30@125°C	n/a	55	-65~+175	-65~+175	.10	.08	.07
821-S1J	S1J	SMA/DO-214AC	30	600	1	1	1.1	5	50@125°C	n/a	n/a	-55~+150	-55~+150	.07	.06	.05
821-1N4006	1N4006	DO-41	30	800	1	1	1	5	50	n/a	50	-65~+125	-65~+150	.04	.03	.02
821-GP10K	GP10K	DO-41	30	800	1	1	1.2	5	30@125°C	n/a	55	-65~+175	-65~+175	.10	.08	.07
821-S1K	S1K	SMA/DO-214AC	30	800	1	1	1.1	5	50@125°C	n/a	n/a	-55~+150	-55~+150	.08	.06	.05
821-1N4007	1N4007	DO-41	30	1000	1	1	1	5	50	n/a	50	-65~+125	-65~+150	.04	.03	.02
821-GP10M	GP10M	DO-41	30	1000	1	1	1.2	5	30@125°C	n/a	55	-65~+175	-65~+175	.10	.08	.07
821-S1M	S1M	SMA/DO-214AC	30	1000	1	1	1.1	5	50@125°C	n/a	n/a	-55~+150	-55~+150	.09	.07	.06
821-1N5391	1N5391	DO-15	50	50	1.5	1.5	1.1	5	50	n/a	50	-65~+125	-65~+150	.08	.04	.04
821-1N5391G	1N5391G	DO-15	50	50	1.5	1.5	1.1	5	100@125°C	n/a	n/a	-65~+150	-65~+150	.14	.08	.07
821-1N5392	1N5392	DO-15	50	100	1.5	1.5	1	5	50	n/a	50	-65~+125	-65~+150	.08	.05	.04
821-1N5392G	1N5392G	DO-15	50	100	1.5	1.5	1.1	5	100@125°C	n/a	n/a	-65~+150	-65~+150	.15	.09	.07
821-1N5393	1N5393	DO-15	50	200	1.5	1.5	1	5	50	n/a	50	-65~+125	-65~+150	.09	.05	.04
821-1N5393G	1N5393G	DO-15	50	200	1.5	1.5	1	5	100@125°C	n/a	n/a	-65~+150	-65~+150	.17	.10	.08
821-S2D	S2D	SMB/DO-214AA	50	200	2	2	1.15	5	125@125°C	n/a	n/a	-55~+150	-55~+150	.11	.09	.07
821-1N5395	1N5395	DO-15	50	400	1.5	1.5	1	5	50	n/a	50	-65~+125	-65~+150	.09	.05	.04
821-1N5395G	1N5395G	DO-15	50	400	1.5	1.5	1	5	100@125°C	n/a	n/a	-65~+150	-65~+150	.17	.10	.08
821-S2G	S2G	SMB/DO-214AA	50	400	2	2	1.15	5	125@125°C	n/a	n/a	-55~+150	-55~+150	.12	.09	.07
821-1N5397	1N5397	DO-15	50	600	1.5	1.5	1	5	50	n/a	50	-65~+125	-65~+150	.09	.05	.04
821-1N5397G	1N5397G	DO-15	50	600	1.5	1.5	1	5	100@125°C	n/a	n/a	-65~+150	-65~+150	.17	.10	.08
821-S2J	S2J	SMB/DO-214AA	50	600	2	2	1.15	5	125@125°C	n/a	n/a	-55~+150	-55~+150	.12	.10	.08
821-1N5398	1N5398	DO-15	50	800	1.5	1.5	1	5	50	n/a	50	-65~+125	-65~+150	.09	.05	.04
821-1N5398G	1N5398G	DO-15	50	800	1.5	1.5	1	5	100@125°C	n/a	n/a	-65~+150	-65~+150	.18	.10	.09
821-S2K	S2K	SMB/DO-214AA	50	800	2	2	1.15	5	125@125°C	n/a	n/a	-55~+150	-55~+150	.12	.10	.08
821-1N5399	1N5399	DO-15	50	1000	1.5	1.5	1	5	50	n/a	50	-65~+125	-65~+150	.09	.05	.04
821-1N5399G	1N5399G	DO-15	50	1000	1.5	1.5	1	5	100@125°C	n/a	n/a	-65~+150	-65~+150	.18	.11	.09
821-S2M	S2M	SMB/DO-214AA	50	1000	2	2	1.15	5	125@125°C	n/a	n/a	-55~+150	-55~+150	.13	.11	.09
821-2A01	2A01	DO-15	60	50	2	2	1	5	50	n/a	50	-65~+125	-65~+150	.05	.04	.03

STANDARD RECTIFIERS (CONT.)

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						Rated Io(A)	25°C VF(V)	@ 25°C IR(μA)	@ 100°C IR(μA)			Operating (°C)	Storage (°C)	1	100	500
821-2A02	2A02	DO-15	60	100	2	2	1	5	50	n/a	50	-65~+125	-65~+150	.04	.03	.03
821-2A03	2A03	DO-15	60	200	2	2	1	5	50	n/a	50	-65~+125	-65~+150	.05	.03	.03
821-2A04	2A04	DO-15	60	400	2	2	1	5	50	n/a	50	-65~+125	-65~+150	.05	.03	.03
821-2A05	2A05	DO-15	60	600	2	2	1	5	50	n/a	50	-65~+125	-65~+150	.05	.03	.03
821-2A06	2A06	DO-15	60	800	2	2	1	5	50	n/a	50	-65~+125	-65~+150	.05	.03	.03
821-2A07	2A07	DO-15	60	1000	2	2	1	5	50	n/a	50	-65~+125	-65~+150	.05	.03	.03
821-GP20A	GP20A	DO-201AA	65	50	2	2	1.2	5	n/a	n/a	25	-65~+175	-65~+175	.23	.19	.15
821-GP20B	GP20B	DO-201AA	65	100	2	2	1.2	5	n/a	n/a	25	-65~+175	-65~+175	.25	.20	.16
821-GP20D	GP20D	DO-201AA	65	200	2	2	1.1	5	n/a	n/a	25	-65~+175	-65~+175	.25	.20	.16
821-GP20G	GP20G	DO-201AA	65	400	2	2	1.1	5	n/a	n/a	25	-65~+175	-65~+175	.25	.20	.16
821-GP20J	GP20J	DO-201AA	65	600	2	2	1.1	5	n/a	n/a	25	-65~+175	-65~+175	.26	.21	.17
821-GP20K	GP20K	DO-201AA	65	800	2	2	1.1	5	n/a	n/a	25	-65~+175	-65~+175	.27	.23	.18
821-GP20M	GP20M	DO-201AA	65	1000	2	2	1.1	5	n/a	n/a	25	-65~+175	-65~+175	.29	.24	.19
821-S3A	S3A	SMC/DO-214AB	100	50	3	3	1.15	10	250@125°C	n/a	n/a	-55~+150	-55~+150	.17	.14	.11
821-S3B	S3B	SMC/DO-214AB	100	100	3	3	1.15	10	250@125°C	n/a	n/a	-55~+150	-55~+150	.18	.15	.12
821-S3D	S3D	SMC/DO-214AB	100	200	3	3	1.15	10	250@125°C	n/a	n/a	-55~+150	-55~+150	.18	.15	.12
821-S3G	S3G	SMC/DO-214AB	100	400	3	3	1.15	10	250@125°C	n/a	n/a	-55~+150	-55~+150	.18	.15	.12
821-S3J	S3J	SMC/DO-214AB	100	600	3	3	1.15	10	250@125°C	n/a	n/a	-55~+150	-55~+150	.18	.15	.12
821-S3K	S3K	SMC/DO-214AB	100	800	3	3	1.15	10	250@125°C	n/a	n/a	-55~+150	-55~+150	.20	.16	.13
821-S3M	S3M	SMC/DO-214AB	100	1000	3	3	1.15	10	250@125°C	n/a	n/a	-55~+150	-55~+150	.21	.16	.14
821-GP30A	GP30A	DO-201AD	125	50	3	3	1.2	5	100@150°C	n/a	20	-65~+175	-65~+175	.30	.25	.20
821-GP30B	GP30B	DO-201AD	125	100	3	3	1.2	5	100@150°C	n/a	20	-65~+175	-65~+175	.32	.26	.21
821-GP1002	GP1002	TO-220	125	100	10	5	1.1	5	100@125°C	n/a	3	-65~+150	-65~+150	.51	.43	.34
821-GP30D	GP30D	DO-201AD	125	200	3	3	1.1	5	100@150°C	n/a	20	-65~+175	-65~+175	.32	.26	.21
821-GP1003	GP1003	TO-220	125	200	10	5	1.1	5	100@125°C	n/a	3	-65~+150	-65~+150	.57	.48	.38
821-GP30G	GP30G	DO-201AD	125	400	3	3	1.1	5	100@150°C	n/a	20	-65~+175	-65~+175	.33	.28	.22
821-GP1004	GP1004	TO-220	125	400	10	5	1.1	5	100@125°C	n/a	3	-65~+150	-65~+150	.57	.48	.38
821-GP30J	GP30J	DO-201AD	125	600	3	3	1.1	5	100@150°C	n/a	20	-65~+175	-65~+175	.35	.29	.23
821-GP1005	GP1005	TO-220	125	600	10	5	1.1	5	100@125°C	n/a	3	-65~+150	-65~+150	.63	.53	.42
821-GP30K	GP30K	DO-201AD	125	800	3	3	1.1	5	100@150°C	n/a	20	-65~+175	-65~+175	.36	.30	.24
821-GP1006	GP1006	TO-220	125	800	10	5	1.1	5	100@125°C	n/a	3	-65~+150	-65~+150	.63	.53	.42
821-GP30M	GP30M	DO-201AD	125	1000	3	3	1.1	5	100@150°C	n/a	20	-65~+175	-65~+175	.38	.31	.25
821-GP1007	GP1007	TO-220	125	1000	10	5	1.1	5	100@125°C	n/a	3	-65~+150	-65~+150	.63	.53	.42
821-GP1602	GP1602	TO-220	150	100	16	8	1.1	10	250@125°C	n/a	3	-65~+150	-65~+150	1.20	.70	.60
821-GP1603	GP1603	TO-220	150	200	16	8	1.1	10	250@125°C	n/a	3	-65~+150	-65~+150	1.20	.70	.60
821-GP1604	GP1604	TO-220	150	400	16	8	1.1	10	250@125°C	n/a	3	-65~+150	-65~+150	1.26	.74	.63
821-GP1605	GP1605	TO-220	150	600	16	8	1.1	10	250@125°C	n/a	3	-65~+150	-65~+150	1.26	.74	.63
821-GP1606	GP1606	TO-220	150	800	16	8	1.1	10	250@125°C	n/a	3	-65~+150	-65~+150	1.38	.81	.69
821-GP1607	GP1607	TO-220	150	1000	16	8	1.1	10	250@125°C	n/a	3	-65~+150	-65~+150	1.44	.84	.72
821-1N5400	1N5400	DO-201AD	200	50	3	3	1	5	100	n/a	18	-65~+125	-65~+150	.15	.09	.08
821-1N5401	1N5401	DO-201AD	200	100	3	3	1	5	100	n/a	18	-65~+125	-65~+150	.15	.09	.08
821-1N5402	1N5402	DO-201AD	200	200	3	3	1	5	100	n/a	18	-65~+125	-65~+150	.17	.10	.08
821-1N5404	1N5404	DO-201AD	200	400	3	3	1	5	100	n/a	18	-65~+125	-65~+150	.18	.10	.09
821-1N5406	1N5406	DO-201AD	200	600	3	3	1	5	100	n/a	18	-65~+125	-65~+150	.18	.10	.09
821-1N5407	1N5407	DO-201AD	200	800	3	3	1	5	100	n/a	18	-65~+125	-65~+150	.18	.11	.09
821-1N5408	1N5408	DO-201AD	200	1000	3	3	1	5	100	n/a	18	-65~+125	-65~+150	.19	.11	.09
821-6A05	6A05	R-6	250	50	6	6	0.95	10	400	n/a	10	-65~+125	-65~+150	.18	.15	.12
821-6A10	6A10	R-6	250	100	6	6	0.95	10	400	n/a	10	-65~+125	-65~+150	.18	.15	.12
821-6A20	6A20	R-6	250	200	6	6	0.95	10	400	n/a	10	-65~+125	-65~+150	.18	.15	.12
821-6A40	6A40	R-6	250	400	6	6	0.95	10	400	n/a	10	-65~+125	-65~+150	.18	.15	.12
821-6A60	6A60	R-6	250	600	6	6	0.95	10	400	n/a	10	-65~+125	-65~+150	.18	.15	.12
821-6A80	6A80	R-6	250	800	6	6	0.95	10	400	n/a	10	-65~+125	-65~+150	.20	.16	.13
821-6A100	6A100	R-6	250	1000	6	6	0.95	10	400	n/a	10	-65~+125	-65~+150	.20	.16	.13

FAST RECTIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Max. Forward Voltage		Max. Reverse Current		Max. Rev. Recovery Time Trr (ns)	Typical Thermal Resist. RøJA (°C/W)	Temperature Range		Price Each		
						Rated Io(A)	25°C VF(V)	@ 25°C IR(μA)	@ 100°C IR(μA)			Operating (°C)	Storage (°C)	1	100	500
821-1N4933	1N4933	DO-41	30	50	1	1	1.2	5	100	200	n/a	-65~+125	-65~+150	.07	.04	.03
821-RGP10A	RGP10A	DO-41	30	50	1	1	1.3	5	200@150°C	150	55	-65~+175	-65~+175	.10	.08	.06
821-RS1A	RS1A	SMA/DO-214AC	30	50	1	1	1.3	5	50@125°C	150	n/a	-55~+150	-55~+150	.10	.08	.06
821-1N4934	1N4934	DO-41	30	100	1	1	1.2	5	100	200	n/a	-65~+150	-65~+150	.07	.04	.03
821-RGP10B	RGP10B	DO-41	30	100	1	1	1.3	5	200@150°C	150	55	-65~+175	-65~+175	.10	.08	.06
821-RS1B	RS1B	SMA/DO-214AC	30	100	1	1	1.3	5	50@125°C	150	n/a	-55~+150	-55~+150	.10	.08	.06
821-1N4935	1N4935	DO-41	30	200	1	1	1.2	5	100	200	n/a	-65~+150	-65~+150	.07	.04	.03
821-RGP10D	RGP10D	DO-41	30	200	1	1	1.3	5	200@150°C	150	55	-65~+175	-65~+175	.10	.08	.06
821-RS1D	RS1D	SMA/DO-214AC	30	200	1	1	1.3	5	50@125°C	150	n/a	-55~+150	-55~+150	.10	.08	.06
821-1N4936	1N4936	DO-41	30	400	1	1	1.2	5	100	200	n/a	-65~+150	-65~+150	.07	.04	.03
821-RGP10G	RGP10G	DO-41	30	400	1	1	1.3	5	200@150°C	150	55	-65~+175	-65~+175	.10	.08	.06
821-RS1G	RS1G	SMA/DO-214AC	30	400	1	1	1.3	5	50@125°C	150	n/a	-55~+150	-55~+150	.10	.08	.06
821-1N4937	1N4937	DO-41	30	600	1	1	1.2	5	100	200	n/a	-65~+150	-65~+150	.08	.04	.04
821-RGP10J	RGP10J	DO-41	30	600	1	1	1.3	5	200@150°C	250	55	-65~+175	-65~+175	.10	.08	.06
821-RS1J	RS1J	SMA/DO-214AC	30	600	1	1	1.3	5	50@125°C	250	n/a	-55~+150	-55~+150	.10	.08	.06
821-RGP10K	RGP10K	DO-41	30	800	1	1	1.3	5	200@150°C	500	55	-65~+175	-65~+175	.11	.09	.07
821-RS1K	RS1K	SMA/DO-214AC	30	800	1	1	1.3	5	50@125°C	500	n/a	-55~+150	-55~+150	.11	.08	.07
821-RGP10M	RGP10M	DO-41	30	1000	1	1	1.3	5	200@150°C	500	55	-65~+175	-65~+175	.11	.09	.07
821-RS1M	RS1M	SMA/DO-214AC	30	1000	1	1	1.3	5	50@125°C	500	n/a	-55~+150	-55~+150	.11	.09	.07

TAIWAN SEMICONDUCTOR Rectifiers

SUPERFAST RECTIFIERS

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Max. Forward Voltage		Max. Reverse Current		Max. Rev. Recovery Time Trr (ns)	Typical Thermal Resist. RøJA (°C/W)	Temperature Range		Price Each		
						Rated Io(A)	25°C VF(V)	@ 25°C IR(μA)	@ 100°C IR(μA)			Operating (°C)	Storage (°C)	1	100	500
821-ES1B	ES1B	SMA/DO-214AC	30	100	1	1	0.95	5	100	35	(RøJA/RøJL) 85/35	-55~+150	-55~+150	.11	.09	.0
821-SF12	SF12	DO-41	30	100	1	1	0.95	5	100	35	n/a	-65~+125	-65~+150	.22	.13	.1
821-ES1D	ES1D	SMA/DO-214AC	30	200	1	1	0.95	5	100	35	(RøJA/RøJL) 85/35	-55~+150	-55~+150	.12	.10	.0
821-SF14	SF14	DO-41	30	200	1	1	0.95	5	100	35	n/a	-65~+125	-65~+150	.24	.14	.1
821-ES1G	ES1G	SMA/DO-214AC	30	400	1	1	1.3	5	100	35	(RøJA/RøJL) 85/35	-55~+150	-55~+150	.13	.10	.0
821-SF16	SF16	DO-41	30	400	1	1	1.3	5	100	35	n/a	-65~+125	-65~+150	.25	.14	.1
821-ES1J	ES1J	SMA/DO-214AC	30	600	1	1	1.7	5	100	35	(RøJA/RøJL) 85/35	-55~+150	-55~+150	.14	.11	.0
821-SF18	SF18	DO-41	30	600	1	1	1.7	5	100	35	n/a	-65~+125	-65~+150	.27	.15	.1
821-ES2B	ES2B	SMB/DO-214AA	50	100	2	2	0.95	10	350	35	(RøJA/RøJL) 75/20	-55~+150	-55~+150	.16	.13	.1
821-ES2D	ES2D	SMB/DO-214AA	50	200	2	2	0.95	10	350	35	(RøJA/RøJL) 75/20	-55~+150	-55~+150	.17	.14	.1
821-ES2G	ES2G	SMB/DO-214AA	50	400	2	2	1.3	10	350	35	(RøJA/RøJL) 75/20	-55~+150	-55~+150	.18	.14	.1
821-ES2J	ES2J	SMB/DO-214AA	50	600	2	2	1.7	10	350	35	(RøJA/RøJL) 75/20	-55~+150	-55~+150	.21	.18	.1
821-ES3B	ES3B	SMC/DO-214AB	100	100	3	3	0.95	10	500	35	(RøJA/RøJL) 47/12	-55~+150	-55~+150	.27	.23	.1
821-ES3D	ES3D	SMC/DO-214AB	100	200	3	3	0.95	10	500	35	(RøJA/RøJL) 47/12	-55~+150	-55~+150	.27	.23	.1
821-ES3G	ES3G	SMC/DO-214AB	100	400	3	3	1.3	10	500	35	(RøJA/RøJL) 47/12	-55~+150	-55~+150	.29	.24	.1
821-ES3J	ES3J	SMC/DO-214AB	100	600	3	3	1.7	10	500	35	(RøJA/RøJL) 47/12	-55~+150	-55~+150	.32	.26	.2
821-SF32	SF32	DO-201AD	125	100	3	3	0.95	5	100	35	n/a	-65~+125	-65~+150	.51	.30	.2
821-SF1002G	SF1002G	TO-220	125	100	10	5	0.975	10	400	35	3	-65~+150	-65~+150	1.20	.70	.6
821-SF1602G	SF1602G	TO-220	125	100	16	8	0.975	10	400	35	2.5	-65~+150	-65~+150	1.56	.91	.7
821-SF34	SF34	DO-201AD	125	200	3	3	0.95	5	100	35	n/a	-65~+125	-65~+150	.54	.32	.2
821-SF1004G	SF1004G	TO-220	125	200	10	5	0.975	10	400	35	3	-65~+150	-65~+150	1.26	.74	.6
821-SF1604G	SF1604G	TO-220	125	200	16	8	0.975	10	400	35	2.5	-65~+150	-65~+150	1.56	.91	.7
821-SF36	SF36	DO-201AD	125	400	3	3	1.3	5	100	35	n/a	-65~+125	-65~+150	.60	.35	.3
821-SF1006G	SF1006G	TO-220	125	400	10	5	1.3	10	400	35	3	-65~+150	-65~+150	1.32	.77	.6
821-SF1606G	SF1606G	TO-220	125	400	16	8	1.3	10	400	35	2.5	-65~+150	-65~+150	1.62	.95	.8
821-SF38	SF38	DO-201AD	125	600	3	3	1.7	5	100	35	n/a	-65~+125	-65~+150	.63	.37	.3
821-SF1008G	SF1008G	TO-220	125	600	10	5	1.7	10	400	35	3	-65~+150	-65~+150	1.44	.84	.7
821-SF1608G	SF1608G	TO-220	125	600	16	8	1.7	10	400	35	2.5	-65~+150	-65~+150	1.74	1.02	.8
821-SFA1602G	SFA1602G	TO-220A	200	100	16	16	0.975	10	400	35	2	-65~+150	-65~+150	1.50	.88	.7
821-SFA1604G	SFA1604G	TO-220A	200	200	16	16	0.975	10	400	35	2	-65~+150	-65~+150	1.50	.88	.7
821-SFA1606G	SFA1606G	TO-220A	200	400	16	16	1.3	10	400	35	2	-65~+150	-65~+150	1.56	.91	.7
821-SFA1608G	SFA1608G	TO-220A	200	600	16	16	1.7	10	400	35	2	-65~+150	-65~+150	1.68	.98	.8

HIGH EFFICIENCY RECTIFIERS

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Max. Forward Voltage		Max. Reverse Current		Max. Rev. Recovery Time Trr (ns)	Typical Thermal Resist. RøJA (°C/W)	Temperature Range		Price Each		
						Rated Io (A)	25°C VF(V)	@ 25°C IR(μA)	@ 100°C IR(μA)			Operating (°C)	Storage (°C)	1	100	500
821-EGP10A	EGP10A	DO-41	30	50	1	1	0.95	5	100 @125C	50	50	-65~+150	-65~+150	.17	.14	.1
821-HER101	HER101	DO-41	30	50	1	1	1	5	100	50	n/a	-65~+125	-65~+150	.09	.07	.0
821-EGP10B	EGP10B	DO-41	30	100	1	1	0.95	5	100 @125C	50	50	-65~+150	-65~+150	.17	.14	.1
821-HER102	HER102	DO-41	30	100	1	1	1	5	100	50	n/a	-65~+125	-65~+150	.09	.07	.0
821-EGP10D	EGP10D	DO-41	30	200	1	1	0.95	5	100 @125C	50	50	-65~+150	-65~+150	.17	.14	.1
821-HER103	HER103	DO-41	30	200	1	1	1	5	100	50	n/a	-65~+125	-65~+150	.09	.07	.0
821-HER104	HER104	DO-41	30	300	1	1	1	5	100	50	n/a	-65~+125	-65~+150	.09	.07	.0
821-EGP10G	EGP10G	DO-41	30	400	1	1	1.25	5	100 @125C	50	50	-65~+150	-65~+150	.17	.14	.1
821-HER105	HER105	DO-41	30	400	1	1	1.3	5	100	50	n/a	-65~+125	-65~+150	.09	.07	.0
821-EGP10J	EGP10J	DO-41	30	600	1	1	1.7	5	100 @125C	50	50	-65~+150	-65~+150	.17	.14	.1
821-EGP10K	EGP10K	DO-41	30	800	1	1	1.7	5	100 @125C	75	50	-65~+150	-65~+150	.18	.15	.1
821-HER107	HER107	DO-41	30	800	1	1	1.7	5	100	75	n/a	-65~+125	-65~+150	.09	.07	.0
821-HER108	HER108	DO-41	30	1000	1	1	1.7	5	100	75	n/a	-65~+125	-65~+150	.09	.07	.0
821-MUR160	MUR160	DO-41	35	600	1	1	1.25	5	150@125°C	50	50	-65~+175	-65~+175	.18	.15	.1

SCHOTTKY RECTIFIERS

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Max. Forward Voltage		Max. Reverse Current		Max. Rev. Recovery Time Trr (ns)	Typical Thermal Resist. RøJA (°C/W)	Temperature Range		Price Each		
						Rated Io(A)	25°C VF(V)	@ 25°C IR	@ 100°C IR			Operating (°C)	Storage (°C)	1	100	500
821-1N5817	1N5817	DO-41	25	20	1	1	0.45	1mA	10mA	n/a	50	-65~+125	-65~+125	.16	.09	.0
821-1N5818	1N5818	DO-41	25	30	1	1	0.55	1mA	10mA	n/a	50	-65~+125	-65~+125	.16	.09	.0
821-1N5819	1N5819	DO-41	25	40	1	1	0.6	1mA	10mA	n/a	50	-65~+125	-65~+125	.16	.09	.0
821-SS12	SS12	SMA/DO-214AC	30	20	1	1	0.5	400mA	10mA	n/a	(R_JL /R_JA)28/88	-65~+125	-65~+150	.22	.12	.1
821-SS13	SS13	SMA/DO-214AC	30	30	1	1	0.5	400mA	10mA	n/a	(R_JL /R_JA)28/88	-65~+125	-65~+150	.22	.12	.1
821-SS14	SS14	SMA/DO-214AC	30	40	1	1	0.5	400mA	10mA	n/a	(R_JL /R_JA)28/88	-65~+125	-65~+150	.22	.12	.1
821-SS15	SS15	SMA/DO-214AC	30	50	1	1	0.75	400mA	5mA	n/a	(R_JL /R_JA)28/88	-65~+150	-65~+150	.22	.12	.1
821-SS16	SS16	SMA/DO-214AC	30	60	1	1	0.75	400mA	5mA	n/a	(R_JL /R_JA)28/88	-65~+150	-65~+150	.22	.12	.1
821-SS19	SS19	SMA/DO-214AC	30	90	1	1	0.8	50mA	0.5mA	n/a	(R_JL /R_JA)28/88	-65~+125	-65~+125	.23	.13	.1
821-SS22	SS22	SMB/DO-214AA	50	20	2	2	0.5	500mA	20mA	n/a	(R_JL /R_JA)17/75	-65~+125	-65~+150	.41	.24	.2
821-SS23	SS23	SMB/DO-214AA	50	30	2	2	0.5	500mA	20mA	n/a	(R_JL /R_JA)17/75	-65~+125	-65~+150	.44	.25	.2
821-SS24	SS24	SMB/DO-214AA	50	40	2	2	0.5	500mA	20mA	n/a	(R_JL /R_JA)17/75	-65~+125	-65~+150	.46	.27	.2
821-SS25	SS25	SMB/DO-214AA	50	50	2	2	0.7	500mA	10mA	n/a	(R_JL /R_JA)17/75	-65~+150	-65~+150	.46	.27	.2
821-SS26	SS26	SMB/DO-214AA	50	60	2	2	0.7	500mA	10mA	n/a	(R_JL /R_JA)17/75	-65~+150	-65~+150	.51	.30	.2
821-SS29	SS29	SMB/DO-214AA	50	90	2	2	0.85	100mA	- - -	n/a	(R_JL /R_JA)17/75	-65~+150	-65~+150	.51	.30	.2

CHOTTKY RECTIFIERS (CONT.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Max. Forward Voltage Rated Io(A)	Max. Forward Voltage 25°C VF(V)	Max. Reverse Current @ 25°C IR(μA)	Max. Reverse Current @ 100°C IR(μA)	Typical Thermal Resist. RθJA (°C/W)	Temperature Range Operating (°C)	Temperature Range Storage (°C)	Price Each 1	Price Each 100	Price Each 500
1-1N5820	1N5820	DO-201AD	80	20	3	3	0.475	2mA	20mA	40	-65~+125	-65~+125	.54	.31	.27
1-1N5821	1N5821	DO-201AD	80	30	3	3	0.5	2mA	20mA	40	-65~+125	-65~+125	.54	.31	.27
1-1N5822	1N5822	DO-201AD	80	40	3	3	0.525	2mA	20mA	40	-65~+125	-65~+125	.54	.31	.27
1-SR305	SR305	DO-201AD	80	50	3	3	0.7	0.5mA	30mA	40	-65~+150	-65~+150	.54	.32	.27
1-SR306	SR306	DO-201AD	80	60	3	3	0.7	0.5mA	30mA	40	-65~+150	-65~+150	.54	.32	.27
1-SS32	SS32	SMC/DO-214AB	100	20	3	3	0.5	500	20mA	(R_JL /R_JA)17/55	-55~+125	-55~+150	.64	.37	.32
1-SS33	SS33	SMC/DO-214AB	100	30	3	3	0.5	500	20mA	(R_JL /R_JA)17/55	-55~+125	-55~+150	.64	.37	.32
1-SS34	SS34	SMC/DO-214AB	100	40	3	3	0.5	500	20mA	(R_JL /R_JA)17/55	-55~+125	-55~+150	.64	.37	.32
1-SS35	SS35	SMC/DO-214AB	100	50	3	3	0.75	500	10mA	(R_JL /R_JA)17/55	-55~+150	-55~+150	.64	.37	.32
1-SS36	SS36	SMC/DO-214AB	100	60	3	3	0.75	500	10mA	(R_JL /R_JA)17/55	-55~+150	-55~+150	.64	.37	.32
1-SS39	SS39	SMC/DO-214AB	100	90	3	3	0.79	600	20mA	(R_JL /R_JA)17/55	-55~+150	-55~+150	.67	.39	.33
1-SR502	SR502	DO-201AD	150	20	5	5	0.55	500	50mA	15	-65~+125	-65~+150	.78	.46	.39
1-SR503	SR503	DO-201AD	150	30	5	5	0.55	500	50mA	15	-65~+125	-65~+150	.78	.46	.39
1-MBR1035	MBR1035	TO-220A	150	35	10	10	0.7	100	15mA@125°C	2	-65~+150	-65~+175	.64	.53	.43
1-MBR2035CT	MBR2035CT	TO-220	150	35	20	20	0.84	100	15mA@125°C	2	-65~+150	-65~+175	.90	.74	.60
1-MBRS2035CT	MBRS2035CT	D2PAK	150	35	20	20	0.84	100	15mA@125°C	1.5	-65~+150	-65~+175	.92	.77	.61
1-MBR2535CT	MBR2535CT	TO-220	150	35	30	30	0.82	0.2mA	40mA@125°C	1.5	-65~+150	-65~+175	1.10	.91	.73
1-MBRS2535CT	MBRS2535CT	D2PAK	150	35	30	30	0.82	0.2mA	40mA@125°C	1	-65~+150	-65~+175	1.13	.94	.75
1-SR504	SR504	DO-201AD	150	40	5	5	0.55	500	50mA	15	-65~+125	-65~+150	.78	.46	.39
1-MBR1045	MBR1045	TO-220A	150	45	10	10	0.7	100	15mA@125°C	2	-65~+150	-65~+175	.64	.53	.43
1-MBR2045CT	MBR2045CT	TO-220	150	45	20	20	0.84	100	15mA@125°C	2	-65~+150	-65~+175	.90	.74	.40
1-MBRS2045CT	MBRS2045CT	D2PAK	150	45	20	20	0.84	100	15mA@125°C	1.5	-65~+150	-65~+175	.97	.81	.65
1-MBR2545CT	MBR2545CT	TO-220	150	45	30	30	0.82	0.2mA	40mA@125°C	1.5	-65~+150	-65~+175	1.10	.91	.73
1-MBRS2545CT	MBRS2545CT	D2PAK	150	45	30	30	0.82	0.2mA	40mA@125°C	1	-65~+150	-65~+175	1.13	.94	.75
1-SR505	SR505	DO-201AD	150	50	5	5	0.7	500	50mA	10	-65~+150	-65~+150	.78	.46	.39
1-MBR1050	MBR1050	TO-220A	150	50	10	10	0.8	100	15mA@125°C	2	-65~+150	-65~+175	.64	.53	.43
1-MBR2050CT	MBR2050CT	TO-220	150	50	20	20	0.95	150	150mA@125°C	2	-65~+150	-65~+175	.92	.77	.61
1-MBRS2050CT	MBRS2050CT	D2PAK	150	50	20	20	0.95	150	150mA@125°C	1.5	-65~+150	-65~+175	.97	.81	.65
1-MBR2550CT	MBR2550CT	TO-220	150	50	30	30	0.82	1mA	50mA@125°C	1.5	-65~+150	-65~+175	1.13	.94	.75
1-MBRS2550CT	MBRS2550CT	D2PAK	150	50	30	30	0.82	1mA	50mA@125°C	1	-65~+150	-65~+175	1.15	.96	.77
1-SR506	SR506	DO-201AD	150	60	5	5	0.7	500	50mA	10	-65~+150	-65~+150	.84	.49	.42
1-MBR1060	MBR1060	TO-220A	150	60	10	10	0.8	100	15mA@125°C	2	-65~+150	-65~+175	.67	.55	.44
1-MBR2060CT	MBR2060CT	TO-220	150	60	20	20	0.95	150	150mA@125°C	2	-65~+150	-65~+175	.92	.77	.61
1-MBRS2060CT	MBRS2060CT	D2PAK	150	60	20	20	0.95	150	150mA@125°C	1.5	-65~+150	-65~+175	1.00	.83	.66
1-MBR2560CT	MBR2560CT	TO-220	150	60	30	30	0.82	1mA	50mA@125°C	1.5	-65~+150	-65~+175	1.13	.94	.75
1-MBRS2560CT	MBRS2560CT	D2PAK	150	60	30	30	0.82	1mA	50mA@125°C	1	-65~+150	-65~+175	1.15	.96	.77
1-SR309	SR309	DO-201AD	150	90	3	3	0.79	0.6mA	20mA	40	-65~+150	-65~+150	.57	.33	.29
1-SR1620	SR1620	TO-220	200	20	16	8	0.55	500	50mA@125°C	3	-65~+125	-65~+150	1.69	.98	.84
1-SR1630	SR1630	TO-220	200	30	16	8	0.55	500	50mA@125°C	3	-65~+125	-65~+150	1.69	.98	.84
1-SR1640	SR1640	TO-220	200	40	16	8	0.55	500	50mA@125°C	3	-65~+125	-65~+150	1.74	1.01	.87
1-SR1650	SR1650	TO-220	200	50	16	8	0.7	500	50mA@125°C	3	-65~+150	-65~+150	1.84	1.07	.92
1-SR1660	SR1660	TO-220	200	60	16	8	0.7	500	50mA@125°C	3	-65~+150	-65~+150	1.89	1.10	.94
1-SR509	SR509	DO-201AD	200	90	5	5	0.8	200	10mA	10	-65~+150	-65~+150	.87	.51	.44
1-MBR1090	MBR1090	TO-220A	200	90	10	10	0.85	3.5	4.5mA@125°C	2	-65~+150	-65~+175	.67	.55	.44
1-SRS1620	SRS1620	D2PAK	250	20	16	8	0.55	500	50mA@125°C	2	-65~+125	-65~+150	1.79	1.04	.89
1-SRS1630	SRS1630	D2PAK	250	30	16	8	0.55	500	50mA@125°C	2	-65~+125	-65~+150	1.79	1.04	.89
1-SRS1640	SRS1640	D2PAK	250	40	16	8	0.55	500	50mA@125°C	2	-65~+125	-65~+150	1.84	1.07	.92
1-SRS1650	SRS1650	D2PAK	250	50	16	8	0.7	500	50mA@125°C	2	-65~+150	-65~+150	1.89	1.10	.94
1-SRS1660	SRS1660	D2PAK	250	60	16	8	0.7	500	50mA@125°C	2	-65~+150	-65~+150	1.99	1.16	1.00

ENER DIODES

ecifications:

ax. Rev. Leakage at VWM, ID of 5μA

5~+150°C Operating and Storage Temperature Range

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Nominal Voltage VZ @ IZT	Test Current @ IT (mA)	Stand-Off Voltage VWM	Price Each 1	Price Each 100	Price Each 500
W							
21-1SMA4741	1SMA4741	11	23	8.4	.20	.17	.13
21-1SMA4742	1SMA4742	12	21	9.1	.20	.17	.13
21-1SMA4743	1SMA4743	13	19	9.9	.20	.17	.13
21-1SMA4744	1SMA4744	15	17	11.4	.20	.17	.13
21-1SMA4745	1SMA4745	16	15.5	12.2	.20	.17	.13
21-1SMA4746	1SMA4746	18	14.0	13.7	.20	.17	.13
21-1SMA4747	1SMA4747	20	12.5	15.2	.20	.17	.13
21-1SMA4748	1SMA4748	22	11.5	16.7	.20	.17	.13
21-1SMA4749	1SMA4749	24	10.5	18.2	.20	.17	.13
21-1SMA4750	1SMA4750	27	9.5	20.6	.20	.17	.13
21-1SMA4751	1SMA4751	30	8.5	22.8	.20	.17	.13
21-1SMA4752	1SMA4752	33	7.5	25.1	.20	.17	.13
21-1SMA4753	1SMA4753	36	7.0	27.4	.20	.17	.13
21-1SMA4754	1SMA4754	39	6.5	29.7	.20	.17	.13
21-1SMA4755	1SMA4755	43	6.0	32.7	.20	.17	.13
21-1SMA4756	1SMA4756	47	5.5	35.8	.20	.17	.13
21-1SMA4757	1SMA4757	51	5.0	38.8	.20	.17	.13
21-1SMA4758	1SMA4758	56	4.5	42.6	.20	.17	.13
21-1SMA4759	1SMA4759	62	4.0	47.1	.20	.17	.13
21-1SMA4760	1SMA4760	68	3.7	51.7	.20	.17	.13
21-1SMA4761	1SMA4761	75	3.3	56.0	.20	.17	.13
21-1SMA4762	1SMA4762	82	3.0	62.2	.20	.17	.13
21-1SMA4763	1SMA4763	91	2.8	69.2	.20	.17	.13
21-1SMA4764	1SMA4764	100	2.5	76.0	.20	.17	.13
21-1SMA110Z	1SMA110Z	110	2.3	83.6	.18	.15	.12
21-1SMA120Z	1SMA120Z	120	2.0	91.2	.18	.15	.12

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Nominal Voltage VZ @ IZT	Test Current @ IT (mA)	Stand-Off Voltage VWM	Price Each 1	Price Each 100	Price Each 500
1W (con't)							
821-1SMA130Z	1SMA130Z	130	1.9	98.8	.18	.15	.12
821-1SMA150Z	1SMA150Z	150	1.7	114.0	.18	.15	.12
821-1SMA160Z	1SMA160Z	160	1.6	121.6	.18	.15	.12
821-1SMA180Z	1SMA180Z	180	1.4	136.8	.18	.15	.12
821-1SMA200Z	1SMA200Z	200	1.2	152.0	.18	.15	.10
1.5W							
821-1SMA5926	1SMA5926	11	34.1	8.4	.24	.20	.16
821-1SMA5927	1SMA5927	12	31.2	9.1	.24	.20	.16
821-1SMA5928	1SMA5928	13	28.8	9.9	.24	.20	.16
821-1SMA5929	1SMA5929	15	25.0	11.4	.24	.20	.16
821-1SMA5930	1SMA5930	16	23.4	12.2	.24	.20	.16
821-1SMA5931	1SMA5931	18	20.8	13.7	.24	.20	.16
821-1SMA5932	1SMA5932	20	18.7	15.2	.24	.20	.16
821-1SMA5933	1SMA5933	22	17.0	16.7	.24	.20	.16
821-1SMA5934	1SMA5934	24	15.6	18.2	.24	.20	.16
821-1SMA5935	1SMA5935	27	13.9	20.6	.24	.20	.16
821-1SMA5936	1SMA5936	30	12.5	22.8	.24	.20	.16
821-1SMA5937	1SMA5937	33	11.4	25.1	.24	.20	.16
821-1SMA5938	1SMA5938	36	10.4	27.4	.24	.20	.16
821-1SMA5939	1SMA5939	39	9.6	29.7	.24	.20	.16
821-1SMA5940	1SMA5940	43	8.7	32.7	.24	.20	.16
821-1SMA5941	1SMA5941	47	8.0	35.8	.24	.20	.16
821-1SMA5942	1SMA5942	51	7.3	38.8	.24	.20	.16
821-1SMA5943	1SMA5943	56	6.7	42.6	.24	.20	.16
821-1SMA5944	1SMA5944	62	6.0	47.1	.24	.20	.16
821-1SMA5945	1SMA5945	68	5.5	51.7	.24	.20	.16

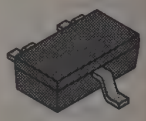
VISHAY Diodes

SCHOTTKY DIODES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Type	VRMM Max. (V)	IF Max. (A)	VF @ IF Max. (V)	IF (mA)	IFSM Max. (A)	trr Typ/Max (ns)	Tj Max. (°C)	Price Each 1	100	500	1000
Surface Mount													
625-LL103C	LL103C-GS08	SOD-80C	20	0.35	0.37	20	15	----/10	125	.20	.13	.059	.046
625-SD103CW	SD103CW-GS08	SOD-123	20	0.35	0.37	20	2	10/----	125	.25	.16	.070	.058
625-BAT54	BAT54-GS08	SOT-23-3	30	0.2	0.4	10	0.6	----/5	125	.11	.067	.047	.043
625-BAT54A	BAT54A-GS08	SOT-23-3	30	0.2	0.4	10	0.6	----/5	125	.13	.079	.055	.051
78-BAT54A	BAT54A-GS08	SOT-23-3	30	0.2	1	100	0.6	----/5	125	.13	.092	.073	.055
625-BAT54C	BAT54C-GS08	SOT-23-3	30	0.2	0.4	10	0.6	----/5	125	.13	.079	.055	.051
625-BAT54S	BAT54S-GS08	SOT-23-3	30	0.2	0.4	10	0.6	----/5	125	.13	.079	.055	.051
78-BAT54S	BAT54S-GS08	SOT-23-3	30	0.2	1	100	0.6	----/5	125	.13	.092	.073	.055
625-LL103B	LL103B-GS08	SOD-80C	30	0.35	0.37	20	15	----/10	125	.20	.13	.060	.047
625-SD103BW	SD103BW-GS08	SOD-123	30	0.35	0.37	20	2	10/----	125	.25	.16	.070	.058
625-LL101C	LL101C-GS08	SOD-80C	40	0.2	0.39	1	2	----/1	125	.17	.11	.051	.040
625-SD101CW	SD101CW-GS08	SOD-123	40	0.2	0.39	1	2	----/1	125	.24	.16	.070	.055
625-SD103AW	SD103AW-GS08	SOD-123	40	0.35	0.37	20	2	10/----	125	.25	.16	.070	.058
625-LL103A	LL103A-GS08	SOD-80C	40	0.35	0.37	20	15	----/10	125	.21	.14	.061	.048
625-LL101B	LL101B-GS08	SOD-80C	50	0.2	0.4	1	2	----/1	125	.18	.11	.052	.041
625-SD101BW	SD101BW-GS08	SOD-123	50	0.2	0.4	1	2	----/1	125	.24	.16	.070	.055
625-LL101A	LL101A-GS08	SOD-80C	60	0.2	0.41	1	2	----/1	125	.18	.12	.054	.042
625-SD101AW	SD101AW-GS08	SOD-123	60	0.2	0.41	1	2	----/1	125	.34	.22	.100	.079
625-BAS70	BAS70-00-GS08	SOT-23-3	70	0.2	0.41	1	0.6	----/5	150	.19	.12	.083	.077
625-BAS70-04	BAS70-04-GS08	SOT-23-3	70	0.2	0.41	1	0.6	----/5	150	.19	.12	.083	.077
625-BAS70-05	BAS70-05-GS08	SOT-23-3	70	0.2	0.41	1	0.6	----/5	150	.19	.12	.083	.077
625-BAS70-06	BAS70-06-GS08	SOT-23-3	70	0.2	0.41	1	0.6	----/5	150	.19	.12	.083	.077
Thru-Hole													
625-SD103C	SD103C-TR	DO-35	20	0.35	0.37	20	15	10/----	125	.20	.13	.059	.046
625-BAT42	BAT42-TR	DO-35	30	0.2	0.4	10	4	----/5	125	.12	.075	.053	.049
625-SD103B	SD103B-TR	DO-35	30	0.35	0.37	20	15	10/----	125	.19	.13	.057	.045
625-SD101C	SD101C-TR	DO-35	40	0.2	0.39	1	2	----/1	125	.17	.11	.049	.038
625-SD103A	SD103A-TR	DO-35	40	0.35	0.37	20	15	10/----	125	.20	.13	.058	.046
625-SD101B	SD101B-TR	DO-35	50	0.2	0.4	1	2	----/1	125	.17	.11	.050	.039
625-SD101A	SD101A-TR	DO-35	60	0.2	0.41	1	2	----/1	125	.17	.11	.051	.040
625-1N5711	1N5711-TR	DO-35	70	0.2	0.41	1	2	----/1	125	.13	.082	.057	.053

SOD-123

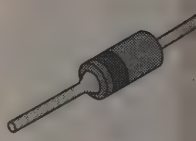


SOT-23-3

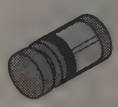
SMALL SIGNAL DIODES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Type	VRMM Max. (V)	IF(AV) Max. (mA)	IR @ VR Max. (nA)	VR (V)	VF @ IF Max. (V)	IF (mA)	trr Typ/Max (ns)	Price Each 1	100	500	1000
Surface Mount													
625-LL4150	LL4150/D2	SOD-80C	50	200	100	50	1.15	200	----/4	.06	.039	.025	.022
78-LL4150	LL4150-GS08	SOD-80C	50	600	0.1	50	1	200	----/4	.07	.043	.019	.015
625-BAV99	BAV99-GS08	SOT-23-3	70	250	25000	70	1	50	----/6	.15	.098	.044	.035
78-BAV99	BAV99-GS08	SOT-23-3	70	450	2.5	70	1	50	----/6	.15	.098	.046	.038
625-BAV70	BAV70-GS08	SOT-23-3	70	250	25000	70	1	50	----/6	.15	.098	.044	.035
78-BAV70	BAV70-GS08	SOT-23-3	70	450	2.5	70	1	50	----/6	.13	.098	.046	.038
625-BAW56	BAW56-GS08	SOT-23-3	70	250	25000	70	1	50	----/6	.15	.098	.044	.035
625-LL4151	LL4151/D2	SOD-80C	75	200	50	50	1	50	----/4	.06	.039	.025	.022
78-LL4151	LL4151-GS08	SOD-80C	75	200	50	50	1	50	----/4	.06	.041	.019	.016
625-1N4148W	1N4148W-GS08	SOD-123	100	150	5000	75	1	10	----/4	.17	.110	.050	.039
625-IMBD4148	IMBD4148-GS08	SOT-23-3	100	150	25000	70	1	10	----/4	.15	.098	.044	.035
625-MMBD7000	MMBD7000-GS08	SOT-23-3	100	200	3000	100	0.82	10	----/4	.13	.081	.053	.046
625-BAS16	BAS16-GS08	SOT-23-3	100	150	1000	75	1	50	----/6	.13	.082	.037	.029
78-BAS16	BAS16-GS08	SOT-23-3	100	150	1000	75	1	50	----/6	.12	.077	.036	.030
78-LL4148	LL4148-GS08	SOD-80C	100	450	5	75	1	10	----/8	.06	.039	.018	.014
78-LS4148	LS4148-GS08	Quadro MELF	100	500	5	75	1	50	----/8	.06	.052	.033	.024
625-BAS21	BAS21-GS08	SOT-23-3	250	200	100	200	1	100	----/50	.16	.110	.048	.038
Thru-Hole													
78-1N4154	1N4154-TR	DO-35	35	450	0.1	25	1	30		.03	.022	.015	.010
625-1N4150	1N4150/F3	DO-35	50	200	100	50	1	200	----/4	.04	.023	.015	.013
78-1N4150	1N4150-TR	DO-35	50	600	0.1	50	1	200	----/4	.05	.035	.016	.014
625-1N4151	1N4151/F3	DO-35	75	150	50	50	1	50	----/4	.04	.023	.015	.013
78-1N4151	1N4151-TR	DO-35	75	450	0.05	50	1	50	----/4	.03	.022	.010	.008
78-1N914	1N914-TR	DO-35	100	300	5	75	1	10	----/4	.03	.021	.010	.008
78-1N4148	1N4148-TR	DO-35	100	500	5	75	1	10	----/4	.03	.021	.010	.008
78-1N4448	1N4448-TR	DO-35	100	500	5	75	1	100	----/4	.03	.022	.010	.008
625-BAV20	BAV20/F3	DO-35	200	200	100	100	1	100	----/50	.09	.041	.029	.024
78-BAV20	BAV20-TR	DO-35	200	200	100	100	1	100	----/50	.06	.036	.017	.014



DO-35



MELF/SOD-80C

ZENER DIODES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Type	Nominal Voltage (V)	Power Rating (W)	Test Current (mA)	Price Each 1	100	500	1000
Surface Mount									
625-BZX84C2V7	BZX84C2V7-GS08	SOT-23-3	2.7	0.35	100	.13	.084	.059	.05
78-BZX84C2V7	BZX84C2V7-GS08	SOT-23-3	2.7	0.35	100	.13	.084	.059	.05
625-BZX84C3V0	BZX84C3V0-GS08	SOT-23-3	3.0	0.35	100	.13	.084	.059	.05
78-BZX84C3V0	BZX84C3V0-GS08	SOT-23-3	3.0	0.35	100	.13	.084	.059	.05
625-BZX84C3V3	BZX84C3V3-GS08	SOT-23-3	3.3	0.35	95	.13	.084	.059	.05
78-BZX84C3V3	BZX84C3V3-GS08	SOT-23-3	3.3	0.35	95	.13	.084	.059	.05
625-BZX84C3V6	BZX84C3V6-GS08	SOT-23-3	3.6	0.35	95	.13	.084	.059	.05
78-BZX84C3V6	BZX84C3V6-GS08	SOT-23-3	3.6	0.35	95	.13	.084	.059	.05
625-BZX84C3V9	BZX84C3V9-GS08	SOT-23-3	3.9	0.35	90	.13	.084	.059	.05
78-BZX84C3V9	BZX84C3V9-GS08	SOT-23-3	3.9	0.35	90	.13	.084	.059	.05
625-BZX84C4V3	BZX84C4V3-GS08	SOT-23-3	4.3	0.35	90	.13	.084	.059	.05
78-BZX84C4V3	BZX84C4V3-GS08	SOT-23-3	4.3	0.35	90	.13	.084	.059	.05
625-BZX84C4V7	BZX84C4V7-GS08	SOT-23-3	4.7	0.35	80	.13	.084	.059	.05
78-BZX84C4V7	BZX84C4V7-GS08	SOT-23-3	4.7	0.35	80	.13	.084	.059	.05
625-BZX84C5V1	BZX84C5V1-GS08	SOT-23-3	5.1	0.35	60	.13	.084	.059	.05
625-BZX84C5V6	BZX84C5V6-GS08	SOT-23-3	5.6	0.35	40	.13	.084	.059	.05
78-BZX84C5V6	BZX84C5V6-GS08	SOT-23-3	5.6	0.35	40	.13	.084	.059	.05

QUADRO MELF

MOUSER ELECTRONICS a ttl company

ENER DIODES (CONT.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Type	Nominal Voltage (V)	Power Rating (W)	Test Current (mA)	Price Each 1	100	500	1000
rface Mount									
5-BZX84C6V2	BZX84C6V2-GS08	SOT-23-3	6.2	0.35	10	.13	.084	.059	.05
5-BZX84C6V8	BZX84C6V8-GS08	SOT-23-3	6.8	0.35	15	.13	.084	.059	.05
BZX84C6V8	BZX84C6V8-GS08	SOT-23-3	6.8	0.35	15	.13	.084	.059	.05
5-BZX84C7V5	BZX84C7V5-GS08	SOT-23-3	7.5	0.35	15	.13	.084	.059	.05
5-BZX84C8V2	BZX84C8V2-GS08	SOT-23-3	8.2	0.35	15	.13	.084	.059	.05
BZX84C8V2	BZX84C8V2-GS08	SOT-23-3	8.2	0.35	15	.13	.084	.059	.05
5-BZX84C9V1	BZX84C9V1-GS08	SOT-23-3	9.1	0.35	15	.13	.084	.059	.05
BZX84C9V1	BZX84C9V1-GS08	SOT-23-3	9.1	0.35	15	.13	.084	.059	.05
5-BZX84C10	BZX84C10-GS08	SOT-23-3	10	0.35	20	.13	.084	.059	.05
BZX84C10	BZX84C10-GS08	SOT-23-3	10	0.35	20	.13	.084	.059	.05
5-BZX84C11	BZX84C11-GS08	SOT-23-3	11	0.35	20	.13	.084	.059	.05
BZX84C11	BZX84C11-GS08	SOT-23-3	11	0.35	20	.13	.084	.059	.05
5-BZX84C12	BZX84C12-GS08	SOT-23-3	12	0.35	25	.13	.084	.059	.05
BZX84C12	BZX84C12-GS08	SOT-23-3	12	0.35	25	.13	.084	.059	.05
5-BZX84C13	BZX84C13-GS08	SOT-23-3	13	0.35	30	.13	.084	.059	.05
5-BZX84C15	BZX84C15-GS08	SOT-23-3	15	0.35	30	.13	.084	.059	.05
BZX84C15	BZX84C15-GS08	SOT-23-3	15	0.35	30	.13	.084	.059	.05
5-BZX84C16	BZX84C16-GS08	SOT-23-3	16	0.35	40	.13	.084	.059	.05
BZX84C16	BZX84C16-GS08	SOT-23-3	16	0.35	40	.13	.084	.059	.05
5-BZX84C18	BZX84C18-GS08	SOT-23-3	18	0.35	45	.13	.084	.059	.05
BZX84C18	BZX84C18-GS08	SOT-23-3	18	0.35	45	.13	.084	.059	.05
5-BZX84C20	BZX84C20-GS08	SOT-23-3	20	0.35	55	.13	.084	.059	.05
BZX84C20	BZX84C20-GS08	SOT-23-3	20	0.35	55	.13	.084	.059	.05
5-BZX84C22	BZX84C22-GS08	SOT-23-3	22	0.35	55	.13	.084	.059	.05
BZX84C22	BZX84C22-GS08	SOT-23-3	22	0.35	55	.13	.084	.059	.05
5-BZX84C24	BZX84C24-GS08	SOT-23-3	24	0.35	70	.13	.084	.059	.05
BZX84C24	BZX84C24-GS08	SOT-23-3	24	0.35	70	.13	.084	.059	.05
5-BZX84C27	BZX84C27-GS08	SOT-23-3	27	0.35	80	.13	.084	.059	.05
5-BZX84C30	BZX84C30-GS08	SOT-23-3	30	0.35	80	.13	.084	.059	.05
5-BZX84C33	BZX84C33-GS08	SOT-23-3	33	0.35	80	.13	.084	.059	.05
5-BZX84C36	BZX84C36-GS08	SOT-23-3	36	0.35	90	.13	.084	.059	.05
5-BZX84C39	BZX84C39-GS08	SOT-23-3	39	0.35	130	.13	.084	.059	.05
BZX84C39	BZX84C39-GS08	SOT-23-3	39	0.35	130	.13	.084	.059	.05
5-BZX84C43	BZX84C43-GS08	SOT-23-3	43	0.35	150	.13	.084	.059	.05
5-BZX84C47	BZX84C47-GS08	SOT-23-3	47	0.35	170	.13	.084	.059	.05
5-BZX84C51	BZX84C51-GS08	SOT-23-3	51	0.35	180	.13	.084	.059	.05
BZX84C51	BZX84C51-GS08	SOT-23-3	51	0.35	180	.13	.084	.059	.05
TZM5221B	TZM5221B-GS08	SOD-80C	2.4	0.5	20	.06	.035	.025	.021
TZM5222B	TZM5222B-GS08	SOD-80C	2.5	0.5	20	.06	.035	.025	.021
TZM5223B	TZM5223B-GS08	SOD-80C	2.7	0.5	20	.06	.035	.025	.021
TZM5224B	TZM5224B-GS08	SOD-80C	2.8	0.5	20	.06	.035	.025	.021
TZM5225B	TZM5225B-GS08	SOD-80C	3.0	0.5	20	.06	.035	.025	.021
TZM5226B	TZM5226B-GS08	SOD-80C	3.3	0.5	20	.06	.035	.025	.021
TZM5227B	TZM5227B-GS08	SOD-80C	3.6	0.5	20	.06	.035	.025	.021
TZM5228B	TZM5228B-GS08	SOD-80C	3.9	0.5	20	.06	.035	.025	.021
TZM5229B	TZM5229B-GS08	SOD-80C	4.3	0.5	20	.06	.035	.025	.021
TZM5230B	TZM5230B-GS08	SOD-80C	4.7	0.5	20	.06	.035	.025	.021
TZM5231B	TZM5231B-GS08	SOD-80C	5.1	0.5	20	.06	.035	.025	.021
TZM5232B	TZM5232B-GS08	SOD-80C	5.6	0.5	20	.06	.035	.025	.021
TZM5233B	TZM5233B-GS08	SOD-80C	6.0	0.5	20	.06	.035	.025	.021
TZM5234B	TZM5234B-GS08	SOD-80C	6.2	0.5	20	.06	.035	.025	.021
TZM5235B	TZM5235B-GS08	SOD-80C	6.8	0.5	20	.06	.035	.025	.021
TZM5236B	TZM5236B-GS08	SOD-80C	7.5	0.5	20	.06	.035	.025	.021
TZM5237B	TZM5237B-GS08	SOD-80C	8.2	0.5	20	.06	.035	.025	.021
TZM5238B	TZM5238B-GS08	SOD-80C	8.7	0.5	20	.06	.035	.025	.021
TZM5239B	TZM5239B-GS08	SOD-80C	9.1	0.5	20	.06	.035	.025	.021
TZM5240B	TZM5240B-GS08	SOD-80C	10	0.5	20	.06	.035	.025	.021
TZM5241B	TZM5241B-GS08	SOD-80C	11	0.5	20	.06	.035	.025	.021
TZM5242B	TZM5242B-GS08	SOD-80C	12	0.5	20	.06	.035	.025	.021
TZM5243B	TZM5243B-GS08	SOD-80C	13	0.5	9.5	.06	.035	.025	.021
TZM5244B	TZM5244B-GS08	SOD-80C	14	0.5	9.0	.06	.035	.025	.021
TZM5245B	TZM5245B-GS08	SOD-80C	15	0.5	8.5	.06	.035	.025	.021
TZM5246B	TZM5246B-GS08	SOD-80C	16	0.5	7.8	.06	.035	.025	.021
TZM5247B	TZM5247B-GS08	SOD-80C	17	0.5	7.4	.06	.035	.025	.021
TZM5248B	TZM5248B-GS08	SOD-80C	18	0.5	7.0	.06	.035	.025	.021
TZM5249B	TZM5249B-GS08	SOD-80C	19	0.5	6.6	.06	.035	.025	.021
TZM5250B	TZM5250B-GS08	SOD-80C	20	0.5	6.2	.06	.035	.025	.021
TZM5251B	TZM5251B-GS08	SOD-80C	22	0.5	5.6	.06	.035	.025	.021
TZM5252B	TZM5252B-GS08	SOD-80C	24	0.5	5.2	.06	.035	.025	.021
TZM5253B	TZM5253B-GS08	SOD-80C	25	0.5	5.0	.06	.035	.025	.021
TZM5254B	TZM5254B-GS08	SOD-80C	27	0.5	4.6	.06	.035	.025	.021
TZM5255B	TZM5255B-GS08	SOD-80C	28	0.5	4.5	.06	.035	.025	.021
TZM5256B	TZM5256B-GS08	SOD-80C	30	0.5	4.2	.06	.035	.025	.021
TZM5257B	TZM5257B-GS08	SOD-80C	33	0.5	3.8	.06	.035	.025	.021
TZM5258B	TZM5258B-GS08	SOD-80C	36	0.5	3.4	.06	.035	.025	.021
TZM5259B	TZM5259B-GS08	SOD-80C	39	0.5	3.2	.06	.035	.025	.021
TZM5260B	TZM5260B-GS08	SOD-80C	43	0.5	3.0	.06	.035	.025	.021
TZM5261B	TZM5261B-GS08	SOD-80C	47	0.5	2.7	.06	.035	.025	.021
TZM5262B	TZM5262B-GS08	SOD-80C	51	0.5	2.5	.06	.035	.025	.021
TZM5263B	TZM5263B-GS08	SOD-80C	56	0.5	2.2	.06	.035	.025	.021
TZM5264B	TZM5264B-GS08	SOD-80C	60	0.5	2.1	.06	.035	.025	.021
TZM5265B	TZM5265B-GS08	SOD-80C	62	0.5	2.0	.06	.035	.025	.021
TZM5266B	TZM5266B-GS08	SOD-80C	68	0.5	1.8	.06	.035	.025	.021
TZM5267B	TZM5267B-GS08	SOD-80C	75	0.5	1.7	.06	.035	.025	.021
25-ZM4730A	ZM4730A-GS08	MELF	3.9	1	64	.22	.14	.095	.08
25-ZM4731A	ZM4731A-GS08	MELF	4.3	1	58	.22	.14	.095	.08
25-ZM4732A	ZM4732A-GS08	MELF	4.7	1	53	.22	.14	.095	.08

SOT-23-3

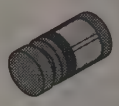
MELF/SOD-80C

VISHAY Zener Diodes

ZENER DIODES (CONT.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Type	Nominal Voltage (V)	Power Rating (W)	Test Current (mA)	Price Each 1	100	500	1000
Surface Mount									
625-ZM4733A	ZM4733A-GS08	MELF	5.1	1	49	.22	.14	.095	.08
625-ZM4734A	ZM4734A-GS08	MELF	5.6	1	45	.22	.14	.095	.08
625-ZM4735A	ZM4735A-GS08	MELF	6.2	1	41	.22	.14	.095	.08
625-ZM4736A	ZM4736A-GS08	MELF	6.8	1	37	.22	.14	.095	.08
625-ZM4737A	ZM4737A-GS08	MELF	7.5	1	34	.22	.14	.095	.08
625-ZM4738A	ZM4738A-GS08	MELF	8.2	1	31	.22	.14	.095	.08
625-ZM4739A	ZM4739A-GS08	MELF	9.1	1	28	.22	.14	.095	.08
625-ZM4740A	ZM4740A-GS08	MELF	10	1	25	.22	.14	.095	.08
625-ZM4741A	ZM4741A-GS08	MELF	11	1	23	.22	.14	.095	.08
625-ZM4742A	ZM4742A-GS08	MELF	12	1	21	.22	.14	.095	.08
625-ZM4743A	ZM4743A-GS08	MELF	13	1	19	.22	.14	.095	.08
625-ZM4744A	ZM4744A-GS08	MELF	15	1	17	.22	.14	.095	.08
625-ZM4745A	ZM4745A-GS08	MELF	16	1	15.5	.22	.14	.095	.08
625-ZM4746A	ZM4746A-GS08	MELF	18	1	14	.22	.14	.095	.08
625-ZM4747A	ZM4747A-GS08	MELF	20	1	12.5	.22	.14	.095	.08
625-ZM4748A	ZM4748A-GS08	MELF	22	1	11.5	.22	.14	.095	.08
625-ZM4749A	ZM4749A-GS08	MELF	24	1	10.5	.22	.14	.095	.08
625-ZM4750A	ZM4750A-GS08	MELF	27	1	9.5	.22	.14	.095	.08
625-ZM4751A	ZM4751A-GS08	MELF	30	1	8.5	.22	.14	.095	.08
625-ZM4752A	ZM4752A-GS08	MELF	33	1	7.5	.22	.14	.095	.08
Thru-Hole									
625-1N5226B	1N5226B/D7	DO-35	3.3	0.5	20	.06	.038	.027	.022
78-1N5226B	1N5226B-TR	DO-35	3.3	0.5	20	.04	.024	.017	.014
78-1N5227B	1N5227B-TR	DO-35	3.6	0.5	20	.04	.024	.017	.014
625-1N5228B	1N5228B/D7	DO-35	3.9	0.5	20	.06	.038	.027	.022
78-1N5228B	1N5228B-TR	DO-35	3.9	0.5	20	.04	.024	.017	.014
625-1N5229B	1N5229B/D7	DO-35	4.3	0.5	20	.06	.038	.027	.022
78-1N5229B	1N5229B-TR	DO-35	4.3	0.5	20	.04	.024	.017	.014
625-1N5230B	1N5230B/D7	DO-35	4.7	0.5	20	.06	.038	.027	.022
78-1N5230B	1N5230B-TR	DO-35	4.7	0.5	20	.04	.024	.017	.014
625-1N5231B	1N5231B/D7	DO-35	5.1	0.5	20	.06	.038	.027	.022
78-1N5231B	1N5231B-TR	DO-35	5.1	0.5	20	.04	.024	.017	.014
625-1N5232B	1N5232B/D7	DO-35	5.6	0.5	20	.06	.038	.027	.022
78-1N5232B	1N5232B-TR	DO-35	5.6	0.5	20	.04	.024	.017	.014
625-1N5233B	1N5233B/D7	DO-35	6.0	0.5	20	.06	.038	.027	.022
78-1N5233B	1N5233B-TR	DO-35	6.0	0.5	20	.04	.024	.017	.014
78-1N5234B	1N5234B-TR	DO-35	6.2	0.5	20	.04	.024	.017	.014
625-1N5235B	1N5235B/D7	DO-35	6.8	0.5	20	.06	.038	.027	.022
78-1N5235B	1N5235B-TR	DO-35	6.8	0.5	20	.04	.024	.017	.014
78-1N5236B	1N5236B-TR	DO-35	7.5	0.5	20	.04	.024	.017	.014
625-1N5237B	1N5237B/D7	DO-35	8.2	0.5	20	.06	.038	.027	.022
78-1N5237B	1N5237B-TR	DO-35	8.2	0.5	20	.04	.024	.017	.014
625-1N5238B	1N5238B/D7	DO-35	8.7	0.5	20	.06	.038	.027	.022
78-1N5238B	1N5238B-TR	DO-35	8.7	0.5	20	.04	.024	.017	.014
625-1N5239B	1N5239B/D7	DO-35	9.1	0.5	20	.06	.038	.027	.022
78-1N5239B	1N5239B-TR	DO-35	9.1	0.5	20	.04	.024	.017	.014
625-1N5240B	1N5240B/D7	DO-35	10	0.5	20	.06	.038	.027	.022
78-1N5240B	1N5240B-TR	DO-35	10	0.5	20	.04	.024	.017	.014
78-1N5241B	1N5241B-TR	DO-35	11	0.5	20	.04	.024	.017	.014
625-1N5242B	1N5242B/D7	DO-35	12	0.5	20	.06	.038	.027	.022
78-1N5242B	1N5242B-TR	DO-35	12	0.5	20	.04	.024	.017	.014
625-1N5243B	1N5243B/D7	DO-35	13	0.5	9.5	.06	.038	.027	.022
78-1N5243B	1N5243B-TR	DO-35	13	0.5	9.5	.04	.024	.017	.014
78-1N5244B	1N5244B-TR	DO-35	14	0.5	9.0	.04	.024	.017	.014
625-1N5245B	1N5245B/D7	DO-35	15	0.5	8.5	.06	.038	.027	.022
78-1N5245B	1N5245B-TR	DO-35	15	0.5	8.5	.04	.024	.017	.014
625-1N5246B	1N5246B/D7	DO-35	16	0.5	7.8	.06	.038	.027	.022
78-1N5246B	1N5246B-TR	DO-35	16	0.5	7.8	.04	.024	.017	.014
625-1N5247B	1N5247B/D7	DO-35	17	0.5	7.4	.06	.038	.027	.022
78-1N5247B	1N5247B-TR	DO-35	17	0.5	7.4	.04	.024	.017	.014
625-1N5248B	1N5248B/D7	DO-35	18	0.5	7.0	.06	.038	.027	.022
78-1N5248B	1N5248B-TR	DO-35	18	0.5	7.0	.04	.024	.017	.014
625-1N5249B	1N5249B/D7	DO-35	19	0.5	6.6	.06	.038	.027	.022
78-1N5249B	1N5249B-TR	DO-35	19	0.5	6.6	.04	.024	.017	.014
625-1N5250B	1N5250B/D7	DO-35	20	0.5	6.2	.06	.038	.027	.022
78-1N5250B	1N5250B-TR	DO-35	20	0.5	6.2	.04	.024	.017	.014
625-1N5251B	1N5251B/D7	DO-35	22	0.5	5.6	.06	.038	.027	.022
78-1N5251B	1N5251B-TR	DO-35	22	0.5	5.6	.04	.024	.017	.014
625-1N5252B	1N5252B/D7	DO-35	24	0.5	5.2	.06	.038	.027	.022
78-1N5252B	1N5252B-TR	DO-35	24	0.5	5.2	.04	.024	.017	.014
625-1N5253B	1N5253B/D7	DO-35	25	0.5	5.0	.06	.038	.027	.022
78-1N5253B	1N5253B-TR	DO-35	25	0.5	5.0	.04	.024	.017	.014
625-1N5254B	1N5254B/D7	DO-35	27	0.5	4.6	.06	.038	.027	.022
78-1N5254B	1N5254B-TR	DO-35	27	0.5	4.6	.04	.024	.017	.014
625-1N5255B	1N5255B/D7	DO-35	28	0.5	4.5	.06	.038	.027	.022
78-1N5255B	1N5255B-TR	DO-35	28	0.5	4.5	.04	.024	.017	.014
625-1N5256B	1N5256B/D7	DO-35	30	0.5	4.2	.06	.038	.027	.022
78-1N5256B	1N5256B-TR	DO-35	30	0.5	4.2	.04	.024	.017	.014
625-1N5257B	1N5257B/D7	DO-35	33	0.5	3.8	.06	.038	.027	.022
78-1N5257B	1N5257B-TR	DO-35	33	0.5	3.8	.04	.024	.017	.014
625-1N5258B	1N5258B/D7	DO-35	36	0.5	3.4	.06	.038	.027	.022
78-1N5258B	1N5258B-TR	DO-35	36	0.5	3.4	.04	.024	.017	.014
625-1N5259B	1N5259B/D7	DO-35	39	0.5	3.2	.06	.038	.027	.022
78-1N5259B	1N5259B-TR	DO-35	39	0.5	3.2	.04	.024	.017	.014



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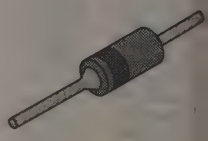


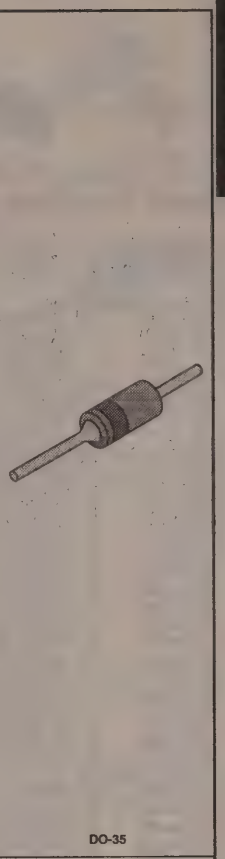
DO-35

MOUSER ELECTRONICS a tti company

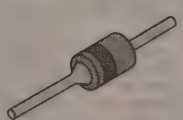
ENER DIODES (CONT.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Type	Nominal Voltage (V)	Power Rating (W)	Test Current (mA)	Price Each			
						1	100	500	1000
hru-Hole									
25-1N5260B	1N5260B/D7	DO-35	43	0.5	3.0	.06	.038	.027	.022
8-1N5260B	1N5260B-TR	DO-35	43	0.5	3.0	.04	.024	.017	.014
25-1N5261B	1N5261B/D7	DO-35	47	0.5	2.7	.06	.038	.027	.022
8-1N5261B	1N5261B-TR	DO-35	47	0.5	2.7	.04	.024	.017	.014
8-1N5262B	1N5262B-TR	DO-35	51	0.5	2.5	.04	.024	.017	.014
25-1N5263B	1N5263B/D7	DO-35	56	0.5	2.2	.06	.038	.027	.022
8-1N5263B	1N5263B-TR	DO-35	56	0.5	2.2	.04	.024	.017	.014
25-1N5264B	1N5264B/D7	DO-35	60	0.5	2.1	.06	.038	.027	.022
8-1N5264B	1N5264B-TR	DO-35	60	0.5	2.1	.04	.024	.017	.014
25-1N5265B	1N5265B/D7	DO-35	62	0.5	2.0	.06	.038	.027	.022
8-1N5265B	1N5265B-TR	DO-35	62	0.5	2.0	.04	.024	.017	.014
25-1N5266B	1N5266B/D7	DO-35	68	0.5	1.8	.06	.038	.027	.022
8-1N5266B	1N5266B-TR	DO-35	68	0.5	1.8	.04	.024	.017	.014
25-1N5267B	1N5267B/D7	DO-35	75	0.5	1.7	.06	.038	.027	.022
8-1N5267B	1N5267B-TR	DO-35	75	0.5	1.7	.04	.024	.017	.014
25-1N4728A	1N4728A/D9	DO-41	3.3	1	76	.10	.065	.046	.038
8-1N4728A	1N4728A-TR	DO-41	3.3	1	76	.07	.042	.03	.025
25-1N4729A	1N4729A/D9	DO-41	3.6	1	69	.10	.065	.046	.038
8-1N4729A	1N4729A-TR	DO-41	3.6	1	69	.07	.042	.03	.025
25-1N4730A	1N4730A/D9	DO-41	3.9	1	64	.10	.065	.046	.038
8-1N4730A	1N4730A-TR	DO-41	3.9	1	64	.07	.042	.03	.025
25-1N4731A	1N4731A/D9	DO-41	4.3	1	58	.10	.065	.046	.038
8-1N4731A	1N4731A-TR	DO-41	4.3	1	58	.07	.042	.03	.025
25-1N4732A	1N4732A/D9	DO-41	4.7	1	53	.10	.065	.046	.038
8-1N4732A	1N4732A-TR	DO-41	4.7	1	53	.07	.042	.03	.025
8-1N4733A	1N4733A-TR	DO-41	5.1	1	49	.07	.042	.03	.025
8-1N4734A	1N4734A-TR	DO-41	5.6	1	45	.07	.042	.03	.025
25-1N4735A	1N4735A/D9	DO-41	6.2	1	41	.10	.065	.046	.038
8-1N4735A	1N4735A-TR	DO-41	6.2	1	41	.07	.042	.03	.025
25-1N4736A	1N4736A/D9	DO-41	6.8	1	37	.10	.065	.046	.038
8-1N4736A	1N4736A-TR	DO-41	6.8	1	37	.07	.042	.03	.025
25-1N4737A	1N4737A/D9	DO-41	7.5	1	34	.10	.065	.046	.038
8-1N4737A	1N4737A-TR	DO-41	7.5	1	34	.07	.042	.03	.025
25-1N4738A	1N4738A/D9	DO-41	8.2	1	31	.10	.065	.046	.038
8-1N4738A	1N4738A-TR	DO-41	8.2	1	31	.07	.042	.03	.025
25-1N4739A	1N4739A/D9	DO-41	9.1	1	28	.10	.065	.046	.038
8-1N4739A	1N4739A-TR	DO-41	9.1	1	28	.07	.042	.03	.025
25-1N4740A	1N4740A/D9	DO-41	10	1	25	.10	.065	.046	.038
8-1N4740A	1N4740A-TR	DO-41	10	1	25	.07	.042	.03	.025
25-1N4741A	1N4741A/D9	DO-41	11	1	23	.10	.065	.046	.038
8-1N4741A	1N4741A-TR	DO-41	11	1	23	.07	.042	.03	.025
8-1N4742A	1N4742A-TR	DO-41	12	1	21	.07	.042	.03	.025
25-1N4743A	1N4743A/D9	DO-41	13	1	19	.10	.065	.046	.038
8-1N4743A	1N4743A-TR	DO-41	13	1	19	.07	.042	.03	.025
8-1N4744A	1N4744A-TR	DO-41	15	1	17	.07	.042	.03	.025
25-1N4745A	1N4745A/D9	DO-41	16	1	15.5	.10	.065	.046	.038
8-1N4745A	1N4745A-TR	DO-41	16	1	15.5	.07	.042	.03	.025
8-1N4746A	1N4746A-TR	DO-41	18	1	14	.07	.042	.03	.025
25-1N4747A	1N4747A/D9	DO-41	20	1	12.5	.10	.065	.046	.038
8-1N4747A	1N4747A-TR	DO-41	20	1	12.5	.07	.042	.03	.025
25-1N4748A	1N4748A/D9	DO-41	22	1	11.5	.10	.065	.046	.038
8-1N4748A	1N4748A-TR	DO-41	22	1	11.5	.07	.042	.03	.025
25-1N4749A	1N4749A/D9	DO-41	24	1	10.5	.10	.065	.046	.038
8-1N4749A	1N4749A-TR	DO-41	24	1	10.5	.07	.042	.03	.025
25-1N4750A	1N4750A/D9	DO-41	27	1	9.5	.10	.065	.046	.038
8-1N4750A	1N4750A-TR	DO-41	27	1	9.5	.07	.042	.03	.025
25-1N4751A	1N4751A/D9	DO-41	30	1	8.5	.10	.065	.046	.038
8-1N4751A	1N4751A-TR	DO-41	30	1	8.5	.07	.042	.03	.025
25-1N4752A	1N4752A/D9	DO-41	33	1	7.5	.10	.065	.046	.038
8-1N4752A	1N4752A-TR	DO-41	33	1	7.5	.07	.042	.03	.025
25-1N4753A	1N4753A/D9	DO-41	36	1	7.0	.10	.065	.046	.038
8-1N4753A	1N4753A-TR	DO-41	36	1	7.0	.07	.042	.03	.025
25-1N4754A	1N4754A/D9	DO-41	39	1	6.5	.10	.065	.046	.038
8-1N4754A	1N4754A-TR	DO-41	39	1	6.5	.07	.042	.03	.025
25-1N4755A	1N4755A/D9	DO-41	43	1	6.0	.10	.065	.046	.038
8-1N4755A	1N4755A-TR	DO-41	43	1	6.0	.07	.042	.03	.025
25-1N4756A	1N4756A/D9	DO-41	47	1	5.5	.10	.065	.046	.038
8-1N4756A	1N4756A-TR	DO-41	47	1	5.5	.07	.042	.03	.025
25-1N4757A	1N4757A/D9	DO-41	51	1	5.0	.10	.065	.046	.038
8-1N4757A	1N4757A-TR	DO-41	51	1	5.0	.07	.042	.03	.025
25-1N4758A	1N4758A/D9	DO-41	56	1	4.5	.10	.065	.046	.038
8-1N4758A	1N4758A-TR	DO-41	56	1	4.5	.07	.042	.03	.025
25-1N4759A	1N4759A/D9	DO-41	62	1	4.0	.10	.065	.046	.038
8-1N4759A	1N4759A-TR	DO-41	62	1	4.0	.07	.042	.03	.025
25-1N4760A	1N4760A/D9	DO-41	68	1	3.7	.10	.065	.046	.038
8-1N4760A	1N4760A-TR	DO-41	68	1	3.7	.07	.042	.03	.025
25-1N4761A	1N4761A/D9	DO-41	75	1	3.3	.10	.065	.046	.038
8-1N4761A	1N4761A-TR	DO-41	75	1	3.3	.07	.042	.03	.025
25-1N4762A	1N4762A/D9	DO-41	82	1	3.0	.10	.065	.046	.038
25-1N4763A	1N4763A/D9	DO-41	91	1	2.8	.10	.065	.046	.038
8-1N4763A	1N4763A-TR	DO-41	91	1	2.8	.07	.056	.048	.036
25-1N4764A	1N4764A/D9	DO-41	100	1	2.5	.10	.065	.046	.038
8-1N4764A	1N4764A-TR	DO-41	100	1	2.5	.07	.056	.048	.036



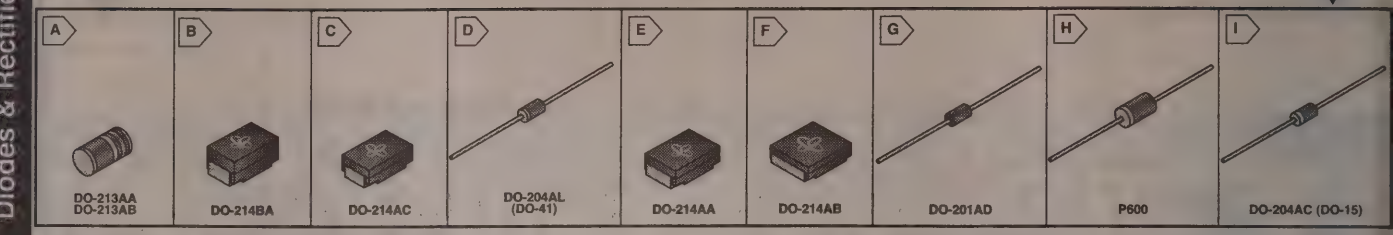
DO-35



DO-41

VISHAY Rectifiers

VISHAY



VISHAY STANDARD SILICON

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	PRV (V)	IFM Surge (A)	Price Each 1	100	500	1000
0.5 Amp - Surface Mount								
625-GL34A	GL34A/32	A	50	10	.24	.15	.10	.086
625-GL34B	GL34B/32	A	100	10	.24	.15	.10	.086
625-GL34D	GL34D/32	A	200	10	.24	.15	.10	.086
625-GL34G	GL34G/32	A	400	10	.24	.15	.10	.086
625-GL34J	GL34J/32	A	600	10	.24	.15	.10	.086
1.0 Amp - Surface Mount								
625-GF1A	GF1A/17	B	50	30	.31	.19	.12	.11
625-1N6478	1N6478/25	A	50	30	.20	.13	.082	.072
625-S1A	S1A/2P	C	50	30	.14	.085	.055	.048
625-GF1B	GF1B/17	B	100	30	.31	.19	.12	.11
625-1N6479	1N6479/25	A	100	30	.20	.13	.082	.072
625-S1B	S1B/11T	C	100	30	.14	.085	.055	.048
625-GF1D	GF1D/17	B	200	30	.31	.19	.12	.11
625-1N6480	1N6480/25	A	200	30	.20	.13	.082	.072
625-S1D	S1D/2P	C	200	30	.14	.085	.055	.048
625-GF1G	GF1G/17	B	400	30	.31	.19	.12	.11
625-1N6481	1N6481/25	A	400	30	.20	.13	.082	.072
625-S1G	S1G/2P	C	400	30	.14	.085	.055	.048
625-GF1J	GF1J/17	B	600	30	.31	.19	.12	.11
625-1N6482	1N6482/25	A	600	30	.20	.13	.082	.072
625-S1J	S1J/2P	C	600	30	.14	.085	.055	.048
625-GF1K	GF1K/17	B	800	30	.31	.19	.12	.11
625-1N6483	1N6483/25	A	800	30	.20	.13	.082	.072
625-S1K	S1K/2P	C	800	30	.14	.085	.055	.048
625-GF1M	GF1M/17	B	1000	30	.31	.19	.12	.11
625-1N6484	1N6484/25	A	1000	30	.20	.13	.082	.072
625-S1M	S1M/11T	C	1000	30	.14	.085	.055	.048
1.0 Amp - Thru-Hole								
625-1N4001	1N4001/1	D	50	30	.04	.026	.017	.014
625-1N4002	1N4002/1	D	100	30	.04	.026	.017	.014
625-1N4003	1N4003/1	D	200	30	.04	.026	.017	.014
625-1N4004	1N4004/1	D	400	30	.04	.026	.017	.014
625-1N4005	1N4005/1	D	600	30	.04	.026	.017	.014
625-1N4006	1N4006/1	D	800	30	.04	.026	.017	.014
625-1N4007	1N4007/1	D	1000	30	.04	.026	.017	.014
2.0 Amp - Surface Mount								
625-S2A	S2A/2	E	50	50	.22	.14	.088	.077
625-S2B	S2B/2	E	100	50	.22	.14	.088	.077
625-S2D	S2D/2	E	200	50	.22	.14	.088	.077
625-S2G	S2G/2	E	400	50	.22	.14	.088	.077
625-S2J	S2J/2	E	600	50	.22	.14	.088	.077
625-S2K	S2K/2	E	800	50	.22	.14	.088	.077
625-S2M	S2M/2	E	1000	50	.22	.14	.088	.077
3.0 Amp - Surface Mount								
625-S3A	S3A/7	F	50	100	.36	.22	.14	.12
625-S3B	S3B/7	F	100	100	.36	.22	.14	.12
625-S3D	S3D/7	F	200	100	.36	.22	.14	.12
625-S3G	S3G/7	F	400	100	.36	.22	.14	.12
625-S3J	S3J/7	F	600	100	.36	.22	.14	.12
625-S3K	S3K/7	F	800	100	.36	.22	.14	.12
625-S3M	S3M/7	F	1000	100	.36	.22	.14	.12
3.0 - Thru-Hole								
625-1N5400	1N5400/1	G	50	200	.20	.12	.081	.071
625-1N5401	1N5401/1	G	100	200	.20	.12	.081	.071
625-1N5402	1N5402/1	G	200	200	.20	.12	.081	.071
625-1N5404	1N5404/1	G	400	200	.20	.12	.081	.071
625-1N5406	1N5406/1	G	600	200	.20	.12	.081	.071
625-1N5407	1N5407/1	G	800	200	.20	.12	.081	.071
625-1N5408	1N5408/1	G	1000	200	.20	.12	.081	.071
6.0 Amp - Thru-Hole								
625-GI750	GI750/1	H	50	400	.66	.41	.26	.23
625-GI751	GI751/1	H	100	400	.66	.41	.26	.23
625-GI752	GI752/1	H	200	400	.66	.41	.26	.23
625-GI754	GI754/1	H	400	400	.66	.41	.26	.23
625-GI756	GI756/1	H	600	400	.66	.41	.26	.23
625-GI758	GI758/1	H	800	400	.66	.41	.26	.23

VISHAY STANDARD GLASS PASSIVATED

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	PRV (V)	IFM Surge (A)	Price Each 1	100	500	1000
1.0 Amp - Thru-Hole								
625-1N4001GP	1N4001GP/1	D	50	30	.12	.077	.050	.043
625-1N4002GP	1N4002GP/1	D	100	30	.12	.077	.050	.043
625-1N4003GP	1N4003GP/1	D	200	30	.12	.077	.050	.043
625-1N4004GP	1N4004GP/1	D	400	30	.12	.077	.050	.043
625-1N4005GP	1N4005GP/1	D	600	30	.12	.077	.050	.043
625-1N4006GP	1N4006GP/1	D	800	30	.12	.077	.050	.043
625-1N4007GP	1N4007GP/1	D	1000	30	.12	.077	.050	.043

VISHAY FAST RECOVERY

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	PRV (V)	IFM Surge (A)	Price Each 1	100	500	1000
1.0 Amp - Thru-Hole								
625-1N4933	1N4933/1	D	50	200	.05	.034	.023	.02
625-1N4934	1N4934/1	D	100	200	.05	.034	.023	.02
625-1N4935	1N4935/1	D	200	200	.05	.034	.023	.02
625-1N4936	1N4936/1	D	400	200	.05	.034	.023	.02
625-1N4937	1N4937/1	D	600	200	.05	.034	.023	.02
3.0 Amp - Thru-Hole								
625-GI850	GI850/1	G	50	200	.27	.17	.11	.097
625-GI851	GI851/1	G	100	200	.27	.17	.11	.097
625-GI852	GI852/1	G	200	200	.27	.17	.11	.097
625-GI854	GI854/1	G	400	200	.27	.17	.11	.097
625-GI856	GI856/1	G	600	200	.27	.17	.11	.097
5.0 Amp - Thru-Hole								
625-GI820	GI820/1	H	50	300	.67	.41	.28	.24
625-GI821	GI821/1	H	100	300	.67	.41	.28	.24
625-GI822	GI822/1	H	200	300	.67	.41	.28	.24
625-GI824	GI824/1	H	400	300	.67	.41	.28	.24
625-GI826	GI826/1	H	600	300	.67	.41	.28	.24
625-GI828	GI828/1	H	800	300	.67	.41	.28	.24

VISHAY FAST RECOVERY GLASS PASSIVATED

For quantities of 2000 and up, call for quote.

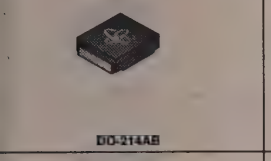
1.0 Amp - Thru-Hole								
625-1N4933GP	1N4933GP/1	D	50	200	.10	.062	.043	.036
625-1N4934GP	1N4934GP/1	D	100	200	.10	.062	.043	.036
625-1N4935GP	1N4935GP/1	D	200	200	.10	.062	.043	.036
625-1N4936GP	1N4936GP/1	D	400	200	.10	.062	.043	.036
625-1N4937GP	1N4937GP/1	D	600	200	.10	.062	.043	.036

VISHAY ULTRA FAST

For quantities of 2000 and up, call for quote.

0.5 Amp - Surface Mount								
625-EGL34A	EGL34A/32	A	50	10	.18	.11	.077	.065
625-EGL34B	EGL34B/32	A	100	10	.18	.11	.077	.065
625-EGL34C	EGL34C/32	A	150	10	.18	.11	.077	.065
625-EGL34D	EGL34D/32	A	200	10	.18	.11	.077	.065
625-EGL34F	EGL34F/32	A	300	10	.18	.11	.077	.065
625-EGL34G	EGL34G/32	A	400	10	.18	.11	.077	.065
1.0 Amp - Surface Mount								
625-BYM12-50	BYM12-50/26	A	50	30	.19	.11	.079	.067
625-EGF1A	EGF1A/17-	B	50	30	.28	.17	.12	.10
625-EGL41A	EGL41A/46	A	50	30	.15	.10	.072	.067
625-ES1A	ES1A/11	C	50	30	.14	.10	.070	.065
625-US1A	US1A/11	C	50	30	.19	.12	.081	.069
625-BYM12-100	BYM12-100/26	A	100	30	.19	.11	.079	.067
625-EGF1B	EGF1B/17-	B	100	30	.28	.17	.12	.10
625-EGL41B	EGL41B/46	A	100	30	.15	.10	.072	.067
625-ES1B	ES1B/11	C	100	30	.18	.11	.077	.065
625-US1B	US1B/11	C	100	30	.19	.12	.081	.069
625-BYM12-150	BYM12-150/26	A	150	30	.19	.11	.079	.067
625-EGF1C	EGF1C/17-	B	150	30	.28	.17	.12	.10
625-ES1C	ES1C/11	C	150	30	.18	.11	.077	.065
625-BYM12-200	BYM12-200/26	A	200	30	.19	.11	.079	.067
625-EGF1D	EGF1D/17-	B	200	30	.28	.17	.12	.10
625-EGL41D	EGL41D/46	A	200	30	.15	.10	.072	.067
625-ES1D	ES1D/11	C	200	30	.18	.11	.077	.065
625-MURS120	MURS120/2	E	200	40	.32	.20	.13	.11
625-US1D	US1D/11	C	200	30	.19	.12	.081	.069
625-BYM12-300	BYM12-300/26	A	300	30	.19	.11	.079	.067
625-EGL41F	EGL41F/46	A	300	30	.15	.10	.072	.067
625-BYM12-400	BYM12-400/26	A	400	30	.19	.11	.079	.067
625-EGL41G	EGL41G/46	A	400	30	.15	.10	.072	.067
625-MURS140	MURS140/2	E	400	40	.30	.19	.13	.11
625-MURS160	MURS160/2	E	600	40	.30	.19	.13	.11
1.0 Amp - Thru-Hole								
625-UF4001	UF4001/1	D	50	30	.13	.087	.061	.057
625-UF4002	UF4002/1	D	100	30	.13	.087	.061	.057
625-UF4003	UF4003/1	D	200	30	.13	.087	.061	.057
625-UF4005	UF4005/1	D	600	30	.12	.083	.058	.054
625-UF4006	UF4006/1	D	800	30	.12	.083	.058	.054
625-UF4007	UF4007/1	D	1000	30	.12	.083	.058	.054
2.0 Amp - Surface Mount								
625-ES2A	ES2A/2	E	50	50	.24	.17	.12	.11
625-ES2B	ES2B/2	E	100	50	.24	.17	.12	.11
625-ES2D	ES2D/2	E	200	50	.24	.17	.12	.11
625-ES2F	ES2F/2	E	300	50	.25	.15	.11	.09
625-ES2G	ES2G/2	E	400	50	.25	.15	.11	.09
2.0 Amp - Thru-Hole								
625-EGP20A	EGP20A/1	I	50	75	.20	.14	.10	.092
625-EGP20B	EGP20B/1	I	100	75	.20	.14	.10	.092
625-EGP20D	EGP20D/1	I	200	75	.20	.14	.10	.092

A



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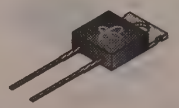

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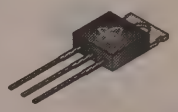

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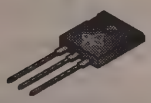

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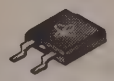


TO-263AB

VISHAY ULTRA FAST (CONT.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	PRV (V)	IFM Surge (A)	Price Each 1	100	500	1000
3.0 Amp - Surface Mount								
625-ES3A	ES3A/7	A	50	100	.55	.34	.23	.20
625-ES3B	ES3B/7	A	100	100	.55	.34	.23	.20
625-ES3C	ES3C/7	A	150	100	.55	.34	.23	.20
625-ES3D	ES3D/7	A	200	100	.55	.34	.23	.20
625-ES3F	ES3F/7	A	300	100	.54	.33	.23	.19
625-ES3G	ES3G/7	A	400	100	.54	.33	.23	.19
3.0 Amp - Thru-Hole								
625-UF5400	UF5400/1	B	50	150	.27	.19	.13	.12
625-UF5401	UF5401/1	B	100	150	.27	.19	.13	.12
625-UF5402	UF5402/1	B	200	150	.27	.19	.13	.12
625-UF5403	UF5403/1	B	300	150	.27	.19	.13	.12
625-UF5404	UF5404/1	B	400	150	.27	.19	.13	.12
625-UF5405	UF5405/1	B	500	150	.32	.22	.16	.15
625-UF5406	UF5406/1	B	600	150	.32	.22	.16	.15
625-UF5407	UF5407/1	B	800	150	.32	.22	.16	.15
625-UF5408	UF5408/1	B	1000	150	.32	.22	.16	.15
6.0 Amp - Surface Mount								
625-FEPB6AT	FEPB6AT/31	C	50	100	.95	.59	.40	.34
625-FEPB6BT	FEPB6BT/31	C	100	100	.95	.59	.40	.34
625-FEPB6CT	FEPB6CT/31	C	150	100	.95	.59	.40	.34
625-FEPB6DT	FEPB6DT/31	C	200	100	.95	.59	.40	.34
8.0 Amp - Surface Mount								
625-UGB8AT	UGB8AT/31	C	50	150	1.03	.64	.44	.37
625-UGB8BT	UGB8BT/31	C	100	150	1.03	.64	.44	.37
625-UGB8CT	UGB8CT/31	C	150	150	1.03	.64	.44	.37
625-UGB8DT	UGB8DT/31	C	200	150	1.03	.64	.44	.37
625-UGB8GT	UGB8GT/31	C	400	110	1.10	.68	.47	.40
625-UGB8JT	UGB8JT/31	C	600	100	1.24	.77	.53	.45
8.0 Amp - Thru-Hole								
625-FES8AT	FES8AT/45	D	50	125	.74	.52	.36	.34
625-FES8BT	FES8BT/45	D	100	125	.74	.52	.36	.34
625-FES8DT	FES8DT/45	D	200	125	.74	.52	.36	.34
10.0 Amp - Surface Mount								
625-UGB10BCT	UGB10BCT/31	C	100	55	1.03	.64	.44	.37
625-UGB10CCT	UGB10CCT/31	C	150	55	1.03	.64	.44	.37
625-UGB10DCT	UGB10DCT/31	C	200	55	1.12	.69	.48	.40
625-UGB10FCT	UGB10FCT/31	C	300	60	1.12	.69	.48	.40
625-UGB10GCT	UGB10GCT/31	C	400	60	1.15	.71	.49	.41
16.0 Amp - Surface Mount								
625-FEPB16AT	FEPB16AT/31	C	50	200	1.49	.92	.63	.54
625-FESB16AT	FESB16AT/45	C	50	250	1.57	.97	.67	.56
625-FEPB16BT	FEPB16BT/31	C	100	200	1.49	.92	.63	.54
625-FESB16BT	FESB16BT/45	C	100	250	1.57	.97	.67	.56
625-FEPB16CT	FEPB16CT/31	C	150	200	1.49	.92	.63	.54
625-FESB16CT	FESB16CT/45	C	150	250	1.57	.97	.67	.56
625-FEPB16DT	FEPB16DT/31	C	200	200	1.49	.92	.63	.54
625-FESB16DT	FESB16DT/45	C	200	250	1.57	.97	.67	.56
625-FEPB16FT	FEPB16FT/31	C	300	125	1.73	1.06	.73	.62
625-FESB16FT	FESB16FT/45	C	300	250	1.65	1.02	.70	.59
625-FEPB16GT	FEPB16GT/45	C	400	125	1.73	1.06	.73	.62
625-FESB16GT	FESB16GT/45	C	400	250	1.65	1.02	.70	.59
625-FEPB16JT	FEPB16JT/45	C	600	125	1.73	1.06	.73	.62
625-FESB16JT	FESB16JT/45	C	600	250	1.65	1.02	.70	.59
16.0 Amp - Thru-Hole								
625-FEP16AT	FEP16AT/45	E	50	200	1.09	.76	.53	.49
625-FES16AT	FES16AT/45	D	50	200	1.15	.80	.56	.52
625-FEP16BT	FEP16BT/45	E	100	200	1.09	.76	.53	.49
625-FES16BT	FES16BT/45	D	100	200	1.15	.80	.56	.52
625-FES16CT	FES16CT/45	D	150	200	1.15	.80	.56	.52
625-FEP16DT	FEP16DT/45	E	200	200	1.09	.76	.53	.49
625-FES16DT	FES16DT/45	D	200	200	1.15	.80	.56	.52
625-FEP16FT	FEP16FT/45	E	300	200	1.29	.90	.63	.58
625-FES16FT	FES16FT/45	D	300	200	1.20	.84	.58	.54
625-FEP16GT	FEP16GT/45	E	400	200	1.29	.90	.63	.58
625-FES16GT	FES16GT/45	D	400	200	1.20	.84	.58	.54
625-FEP16JT	FEP16JT/45	E	600	200	1.29	.90	.63	.58
625-FES16JT	FES16JT/45	D	600	200	1.20	.84	.58	.54

VISHAY ULTRA FAST (CONT.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	PRV (V)	IFM Surge (A)	Price Each 1	100	500	1000
30.0 Amp - Thru-Hole								
625-FEP30AP	FEP30AP/45	F	50	300	2.42	1.68	1.17	1.09
625-FEP30BP	FEP30BP/45	F	100	300	2.42	1.68	1.17	1.09
625-FEP30DP	FEP30DP/45	F	200	300	2.42	1.68	1.17	1.09
625-FEP30FP	FEP30FP/45	F	300	300	2.65	1.84	1.28	1.20
625-FEP30GP	FEP30GP/45	F	400	300	2.65	1.84	1.28	1.20

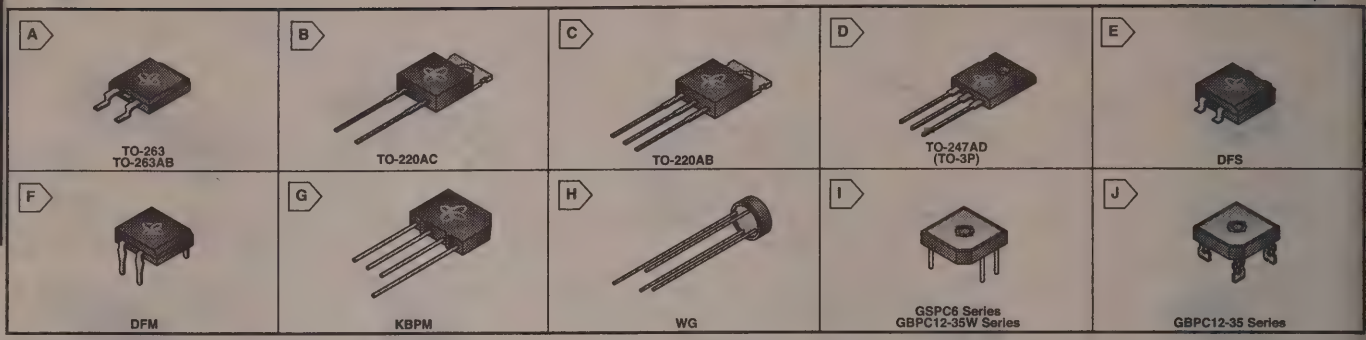
VISHAY SCHOTTKY BARRIER

For quantities of 2000 and up, call for quote.

1.0 Amp - Surface Mount								
625-SS12	SS12/11	G	20	30	.15	.11	.088	.066
625-SGL41-20	SGL41/20/46	C	20	30	.26	.18	.15	.11
625-BYM13-20	BYM13-20/26	C	20	30	.26	.16	.11	.10
625-SS13	SS13/11	G	30	30	.15	.11	.088	.066
625-SGL41-30	SGL41/30/46	C	30	30	.26	.18	.15	.11
625-BYM13-30	BYM13-30/26	C	30	30	.26	.16	.11	.10
625-SS14	SS14/11	G	40	30	.15	.11	.088	.066
625-SGL41-40	SGL41/40/46	C	40	30	.26	.18	.15	.11
625-BYM13-40	BYM13-40/26	C	40	30	.26	.16	.11	.10
625-SS15	SS15/11	G	50	30	.15	.11	.087	.066
625-SGL41-50	SGL41/50/46	C	50	30	.27	.19	.15	.11
625-BYM13-50	BYM13-50/26	C	50	30	.27	.16	.12	.11
625-SS16	SS16/11	G	60	30	.15	.11	.087	.066
625-SGL41-60	SGL41/60/46	C	60	30	.27	.19	.15	.11
625-BYM13-60	BYM13-60/26	C	60	30	.27	.16	.12	.11
1.0 Amp - Thru-Hole								
625-1N5817	1N5817/1	H	20	25	.14	.10	.082	.061
625-1N5818	1N5818/1	H	30	25	.14	.10	.082	.061
625-1N5819	1N5819/1	H	40	25	.14	.10	.082	.061
1.5 Amp - Surface Mount								
625-SL12	SL12/11	G	20	50	.16	.096	.067	.063
625-SL13	SL13/11	G	30	50	.15	.11	.088	.066
2.0 Amp - Surface Mount								
625-SS22	SS22/2	I	20	50	.27	.19	.15	.12
625-SS23	SS23/2	I	30	50	.27	.19	.15	.12
625-SS24	SS24/2	I	40	50	.27	.19	.15	.12
625-SS25	SS25/2	I	50	50	.27	.19	.15	.12
625-SS26	SS26/2	I	60	50	.27	.19	.15	.12
3.0 Amp - Surface Mount								
625-SS32	SS32/7	A	20	100	.40	.29	.23	.17
625-SS33	SS33/7	A	30	100	.40	.29	.23	.17
625-SS34	SS34/7	A	40	100	.40	.29	.23	.17
625-SS35	SS35/7	A	50	100	.42	.30	.24	.18
625-SS36	SS36/7	A	60	100	.42	.30	.24	.18
3.0 Amp - Thru-Hole								
625-1N5820	1N5820/1	B	20	80	.29	.21	.17	.12
625-SB320	SB320/1	B	20	100	.29	.21	.17	.12
625-1N5821	1N5821/1	B	30	80	.29	.21	.17	.12
625-SB330	SB330/1	B	30	100	.29	.21	.17	.12
625-1N5822	1N5822/1	B	40	80	.29	.21	.17	.12
625-SB340	SB340/1	B	40	100	.29	.21	.17	.12
625-SB350	SB350/1	B	50	100	.29	.20	.16	.12
625-SB360	SB360/1	B	60	100	.29	.20	.16	.12
4.0 Amp - Surface Mount								
625-SL42	SL42/7T	A	20	150	.56	.41	.28	.27
625-SL43	SL43/7T	A	30	150	.56	.41	.28	.27
625-SL44	SL44/7T	A	40	150	.56	.41	.29	.27
7.5 Amp - Surface Mount								
625-MBRB735	MBRB735/31	J	35	150	.81	.50	.35	.32
625-MBRB745	MBRB745/31	J	45	150	.81	.50	.35	.32
625-MBRB750	MBRB750/31	J	50	150	.81	.50	.35	.32
625-MBRB760	MBRB760/31	J	60	150	.81	.50	.35	.32
7.5 Amp - Thru-Hole								
625-MBR735	MBR735/45	D	35	150	.69	.49	.40	.30
625-MBR745	MBR745/45	D	45	150	.69	.49	.40	.30
10.0 Amp - Surface Mount								
625-SBLB10L25	SBLB10L25/31	J	25	240	1.50	.92	.64	.60
625-SBLB10L30	SBLB10L30/31	J	30	200	.94	.58	.40	.38

VISHAY Rectifiers

VISHAY



VISHAY SCHOTTKY BARRIER (CONT.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	PRV (V)	IFM Surge (A)	Price Each 1	100	500	1000
10.0 Amp - Surface Mount (cont.)								
625-MBRB1035	MBRB1035/31	A	35	150	.88	.54	.38	.35
625-SBLB1030CT	SBLB1030CT/45	A	30	250	1.02	.73	.58	.44
625-SBLB1040CT	SBLB1040CT/45	A	40	250	1.02	.73	.58	.44
625-MBRB1045	MBRB1045/31	A	45	150	.88	.54	.38	.35
625-MBRB1050	MBRB1050/31	A	50	150	.89	.54	.38	.35
625-MBRB1060	MBRB1060/31	A	60	150	.89	.54	.38	.35
625-MBRB1090	MBRB1090/31	A	60	150	.89	.54	.38	.35
625-MBRB10100	MBRB10100/31	A	100	150	1.21	.74	.52	.48
10.0 Amp - Thru-Hole								
625-MBR1035	MBR1035/45	B	35	150	.76	.55	.44	.33
625-MBR1045	MBR1045/45	B	45	150	.76	.55	.44	.33
15.0 Amp - Surface Mount								
625-MBRB1535CT	MBRB1535CT/31	A	35	150	1.05	.65	.45	.42
625-MBRB1545CT	MBRB1545CT/31	A	45	150	1.05	.65	.45	.42
625-MBRB1550CT	MBRB1550CT/31	A	50	150	1.07	.66	.46	.43
625-MBRB1560CT	MBRB1560CT/31	A	60	150	1.07	.66	.46	.43
15.0 Amp - Thru-Hole								
625-MBR1535CT	MBR1535CT/45	C	35	150	.93	.66	.53	.40
625-MBR1545CT	MBR1545CT/45	C	45	150	.93	.66	.53	.40
16.0 Amp - Surface Mount								
625-SBLB1630CT	SBLB1630CT/31	A	30	250	1.28	.79	.55	.51
625-MBRB1635	MBRB1635/45	A	35	150	1.07	.77	.61	.46
625-SBLB1640CT	SBLB1640CT/31	A	40	250	1.34	.82	.57	.54
625-MBRB1645	MBRB1645/45	A	45	150	1.07	.77	.61	.46
625-MBRB1650	MBRB1650/31	A	50	150	1.06	.65	.46	.43
625-MBRB1660	MBRB1660/31	A	60	150	1.06	.65	.46	.43
16.0 Amp - Thru-Hole								
625-MBR1635	MBR1635/45	B	35	150	.95	.68	.55	.41
625-MBR1645	MBR1645/45	B	45	150	.95	.68	.55	.41
20.0 Amp - Surface Mount								
625-SBLB2030CT	SBLB2030CT/45	A	30	175	1.16	.71	.50	.46
625-MBRB2035CT	MBRB2035CT/45	A	35	150	1.21	.86	.69	.52
625-SBLB2040CT	SBLB2040CT/45	A	40	175	1.16	.71	.50	.46
625-MBRB2045CT	MBRB2045CT/45	A	45	150	1.21	.86	.69	.52
625-MBRB2050CT	MBRB2050CT/45	A	50	150	1.21	.74	.52	.48
625-MBRB2060CT	MBRB2060CT/45	A	60	150	1.21	.74	.52	.48
625-MBRB2090CT	MBRB2090CT/45	A	60	150	1.79	1.10	.77	.72
625-MBRB20100CT	MBRB20100CT/45	A	100	150	1.79	1.10	.77	.72
20.0 Amp - Thru-Hole								
625-SBL2030CT	SBL2030CT/45	C	30	175	1.05	.64	.45	.42
625-MBR2035CT	MBR2035CT/45	C	35	150	1.08	.77	.62	.46
625-SBL2040CT	SBL2040CT/45	C	40	175	1.05	.64	.45	.42
625-MBR2045CT	MBR2045CT/45	C	45	150	1.08	.77	.62	.46
25.0 Amp - Surface Mount								
625-SBLB25L20CT	SBLB25L20CT/45	A	20	180	1.59	.98	.68	.64
625-SBLB25L30CT	SBLB25L30CT/45	A	30	180	1.59	.98	.68	.64
625-MBRB2535CT	MBRB2535CT/45	A	35	150	1.58	1.13	.90	.68
625-MBRB2545CT	MBRB2545CT/45	A	45	150	1.58	1.13	.90	.68
625-MBRB2550CT	MBRB2550CT/45	A	50	150	1.56	.96	.67	.62
625-MBRB2560CT	MBRB2560CT/45	A	60	150	1.56	.96	.67	.62
25.0 Amp - Thru-Hole								
625-MBR2535CT	MBR2535CT/45	C	35	150	1.39	.99	.79	.59
625-MBR2545CT	MBR2545CT/45	C	45	150	1.39	.99	.79	.59
30.0 Amp - Surface Mount								
625-MBRB3035CT	MBRB3035CT/45	A	35	200	1.58	.97	.68	.63
625-MBRB3045CT	MBRB3045CT/45	A	45	200	1.58	.97	.68	.63
30.0 Amp - Thru-Hole								
625-MBR3035PT	MBR3035PT/45	D	35	200	2.03	1.45	1.16	.87
625-MBR3045PT	MBR3045PT/45	D	45	200	2.03	1.45	1.16	.87
40.0 Amp - Thru-Hole								
625-MBR4035PT	MBR4035PT/45	D	35	400	2.36	1.69	1.35	1.01
625-MBR4045PT	MBR4045PT/45	D	45	400	2.36	1.69	1.35	1.01

VISHAY BRIDGE RECTIFIERS

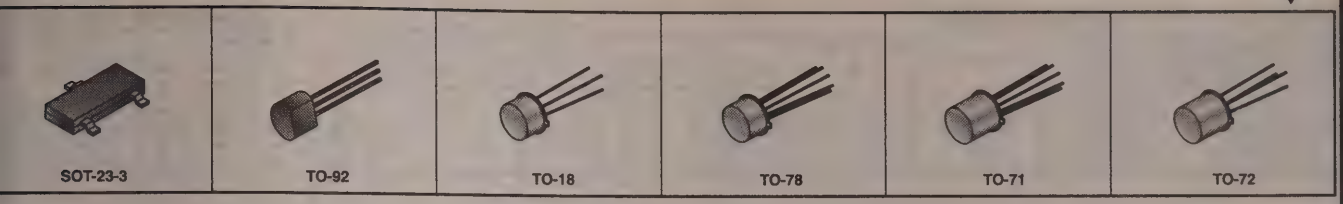
For quantities of 2000 and up, call for quote.

1.0 Amp - Surface Mount								
625-DF005S	DF005S/45	E	50	50	.44	.33	.23	.20
625-DF01S	DF01S/45	E	100	50	.44	.33	.23	.20
625-DF02S	DF02S/45	E	200	50	.44	.33	.23	.20
625-DF04S	DF04S/45	E	400	50	.44	.33	.23	.20
625-DF06S	DF06S/45	E	600	50	.44	.33	.23	.20
625-DF08S	DF08S/45	E	800	50	.44	.33	.23	.20
1.0 Amp - Thru-Hole								
625-DF005M	DF005M/45	F	50	50	.42	.31	.22	.19
625-DF01M	DF01M/45	F	100	50	.42	.31	.22	.19

VISHAY BRIDGE RECTIFIERS (CONT.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	PRV (V)	IFM Surge (A)	Price Each 1	100	500	1000
1.0 Amp - Thru-Hole (cont.)								
625-DF02M	DF02M/45	F	200	50	.42	.31	.22	.19
625-DF04M	DF04M/45	F	400	50	.42	.31	.22	.19
625-DF06M	DF06M/45	F	600	50	.42	.31	.22	.19
625-DF08M	DF08M/45	F	800	50	.42	.31	.22	.19
625-DF10M	DF10M/45	F	1000	50	.42	.31	.22	.19
1.5 Amp - Thru-Hole								
625-KBP005M	KBP005M/1	G	50	30	.50	.37	.26	.22
625-W005G	W005G/1	H	50	50	.42	.31	.22	.19
625-KBP01M	KBP01M/1	G	100	30	.50	.37	.26	.22
625-W01G	W01G/1	H	100	50	.42	.31	.22	.19
625-KBP02M	KBP02M/1	G	200	30	.50	.37	.26	.22
625-W02G	W02G/1	H	200	50	.42	.31	.22	.19
625-KBP04M	KBP04M/1	G	400	30	.50	.37	.26	.22
625-W04G	W04G/1	H	400	50	.42	.31	.22	.19
625-KBP06M	KBP06M/1	G	600	30	.50	.37	.26	.22
625-W06G	W06G/1	H	600	50	.42	.31	.22	.19
625-KBP08M	KBP08M/1	G	800	30	.50	.37	.26	.22
625-W08G	W08G/1	H	800	50	.42	.31	.22	.19
625-KBP10M	KBP10M/1	G	1000	30	.50	.37	.26	.22
625-W10G	W10G/1	H	1000	50	.42	.31	.22	.19
2.0 Amp - Thru-Hole								
625-2KBP005M	2KBP005M/1	G	50	60	.50	.37	.26	.22
625-2KBP01M	2KBP01M/1	G	100	60	.50	.37	.26	.22
625-2KBP02M	2KBP02M/1	G	200	60	.50	.37	.26	.22
625-2KBP04M	2KBP04M/1	G	400	60	.50	.37	.26	.22
625-2KBP06M	2KBP06M/1	G	600	60	.50	.37	.26	.22
625-2KBP08M	2KBP08M/1	G	800	60	.50	.37	.26	.22
625-2KBP10M	2KBP10M/1	G	1000	60	.50	.37	.26	.22
6.0 Amp - Thru-Hole								
625-GBPC6005	GBPC6005/1	I	50	175	1.79	1.33	.92	.79
625-GBPC601	GBPC601/1	I	100	175	1.79	1.33	.92	.79
625-GBPC602	GBPC602/1	I	200	175	1.79	1.33	.92	.79
625-GBPC604	GBPC604/1	I	400	175	1.79	1.33	.92	.79
625-GBPC606	GBPC606/1	I	600	175	1.79	1.33	.92	.79
625-GBPC608	GBPC608/1	I	800	175	1.79	1.33	.92	.79
625-GBPC610	GBPC610/1	I	1000	175	1.79	1.33	.92	.79
12.0 Amp - Thru-Hole								
625-GBPC12005	GBPC12005/1	I	50	200	4.00	2.97	2.06	1.77
625-GBPC1201	GBPC1201/1	I	100	200	4.00	2.97	2.06	1.77
625-GBPC1202	GBPC1202/1	I	200	200	4.00	2.97	2.06	1.77
625-GBPC1204	GBPC1204/1	I	400	200	4.00	2.97	2.06	1.77
625-GBPC1206	GBPC1206/1	I	600	200	4.00	2.97	2.06	1.77
625-GBPC1208	GBPC1208/1	I	800	200	4.00	2.97	2.06	1.77
625-GBPC1210	GBPC1210/1	I	1000	200	4.00	2.97	2.06	1.77
25.0 Amp - Thru-Hole								
625-GBPC25005	GBPC25005/1	J	50	300	3.78	2.81	1.94	1.67
625-GBPC25005W	GBPC25005W/1	I	50	300	3.85	2.86	1.98	1.71
625-GBPC2501	GBPC2501/1	J	100	300	3.78	2.81	1.94	1.67
625-GBPC2501W	GBPC2501W/1	I	100	300	3.85	2.86	1.98	1.71
625-GBPC2502	GBPC2502/1	J	200	300	3.78	2.81	1.94	1.67
625-GBPC2502W	GBPC2502W/1	I	200	300	3.85	2.86	1.98	1.71
625-GBPC2504	GBPC2504/1	J	400	300	3.78	2.81	1.94	1.67
625-GBPC2504W	GBPC2504W/1	I	400	300	3.85	2.86	1.98	1.71
625-GBPC2506	GBPC2506/1	J	600	300	3.78	2.81	1.94	1.67
625-GBPC2506W	GBPC2506W/1	I	600	300	3.85	2.86	1.98	1.71
625-GBPC2508	GBPC2508/1	J	800	300	3.78	2.81	1.94	1.67
625-GBPC2508W	GBPC2508W/1	I	800	300	3.85	2.86	1.98	1.71
625-GBPC2510	GBPC2510/1	J	1000	300	3.78	2.81	1.94	1.67
625-GBPC2510W	GBPC2510W/1	I	1000	300	3.85	2.86	1.98	1.71
35.0 Amp - Thru-Hole								
625-GBPC35005	GBPC35005/1	J	50	400	4.38	3.25	2.25	1.94
625-GBPC35005W	GBPC35005W/1	I	50	400	4.45	3.30	2.29	1.97
625-GBPC3501	GBPC3501/1	J	100	400	4.38	3.25	2.25	1.94
625-GBPC3501W	GBPC3501W/1	I	100	400	4.45	3.30	2.29	1.97
625-GBPC3502	GBPC3502/1	J	200	400	4.38	3.25	2.25	1.94
625-GBPC3502W	GBPC3502W/1	I	200	400	4.45	3.30	2.29	1.97
625-GBPC3504	GBPC3504/1	J	400	400	4.38	3.25	2.25	1.94
625-GBPC3504W	GBPC3504W/1	I	400	400	4.45	3.30	2.29	1.97
625-GBPC3506	GBPC3506/1	J	600	400	4.38	3.25	2.25	1.94
625-GBPC3506W	GBPC3506W/1	I	600	400	4.45	3.30	2.29	1.97
625-GBPC3508	GBPC3508/1	J	800	400	4.38	3.25	2.25	1.94
625-GBPC3508W	GBPC3508W/1	I	800	400	4.45	3.30	2.29	1.97
625-GBPC3510	GBPC3510/1	J	1000	400	4.38	3.25	2.25	1.94
625-GBPC3510W	GBPC3510W/1	I	1000	400	4.45	3.30	2.29	1.97



LOW LEAKAGE DIODES

e PAD/JPAD/SSTPAD series of extremely low-leakage diodes provides a superior alternative to conventional diode technology when reverse current akage) must be minimized. They feature leakage currents ranging from –1 pA (PAD1) to –100 pA (SSTPAD100) to support a wide range of applications. ese devices are well suited for use in applications such as input protection for operational amplifiers. The hermetically sealed TO-206AF (TO-72) package ows full military processing per MIL-S-19500. The TO-226A (TO-92) plastic package provides a low-cost option. The TO-236 (SOT-23) package provides rface-mount capability.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Reverse Current (pA)	Breakdown Voltage (Min)(V)	Breakdown Voltage (Max)(V)	Forward Voltage (Max)(V)	Reverse Capacitance (Max)(pF)	Forward Current (Max)(mA)	Price Each 1	100	500	1000
Surface Mount												
781-SSTPAD5	SSTPAD5	SOT-23-3	- 5.0	- 35	-----	1.5	2	10	.48	.44	.37	.33
781-SSTPAD100	SSTPAD100	SOT-23-3	- 100	- 35	-----	1.5	2	10	.58	.53	.45	.40
Thru-Hole												
781-DPAD1	DPAD1	TO-78	- 1.0	- 45	- 120	1.5	0.8	50	7.50	6.82	5.80	5.12
781-PAD1	PAD1	TO-72	- 1.0	- 45	- 120	1.5	0.8	50	2.30	2.09	1.78	1.57
781-DPAD5	DPAD5	TO-71	- 5.0	- 45	- 120	1.5	0.8	50	3.37	3.06	2.60	2.30
781-PAD5	PAD5	TO-72	- 5.0	- 45	- 120	1.5	0.8	50	1.63	1.48	1.26	1.11
781-JPAD5	JPAD5	TO-92	- 5.0	- 35	-----	1.5	2	10	.95	.86	.73	.65
781-DPAD50	DPAD50	TO-71	- 50	- 35	-----	1.5	2	50	1.97	1.79	1.52	1.34
781-JPAD50	JPAD50	TO-92	- 50	- 35	-----	1.5	2	10	.81	.74	.63	.56
781-PAD50	PAD50	TO-18	- 50	- 35	-----	1.5	2	50	1.17	1.06	.90	.80

CURRENT REGULATOR DIODES

ese current regulators are designed for demanding applications in test equipment and instrumentation. These devices utilize the JFET techniques to produce device which is extremely simple to operate. With nominal current ranges from 0.24 mA to 4.7 mA, these devices will meet a wide array of design requirements. ese come in the low-cost TO-92 and SOT-23 package for cost-effective design solutions and the TO-18 hermetically sealed package for high reliability designs.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Nominal Forward Current (mA)	Forward Current Tolerance (%)	Limiting Voltage (Max)(V)	Peak Operating Voltage (Min)(V)	Dynamic Impedance (Min)(kΩ)	Knee Impedance (Typ)(kΩ)	Price Each 1	100	500	1000
Surface Mount												
781-SST502	SST502	SOT-23-3	0.43	20	1.5	45	1000	700	1.82	1.65	1.40	1.24
781-SST503	SST503	SOT-23-3	0.56	20	1.7	45	700	200	1.82	1.65	1.40	1.24
781-SST504	SST504	SOT-23-3	0.75	20	1.9	45	500	400	1.65	1.50	1.28	1.13
781-SST505	SST505	SOT-23-3	1.00	20	2.1	45	400	300	1.82	1.65	1.40	1.24
781-SST506	SST506	SOT-23-3	1.40	20	2.5	45	300	200	1.65	1.50	1.28	1.13
781-SST507	SST507	SOT-23-3	1.80	20	2.8	45	200	120	1.82	1.65	1.40	1.24
781-SST508	SST508	SOT-23-3	2.40	20	3.1	45	100	80	1.82	1.65	1.40	1.24
781-SST509	SST509	SOT-23-3	3.00	20	3.5	45	90	60	1.82	1.65	1.40	1.24
781-SST510	SST510	SOT-23-3	3.60	20	3.9	45	80	40	1.82	1.65	1.40	1.24
781-SST511	SST511	SOT-23-3	4.70	20	4.2	45	70	30	1.82	1.65	1.40	1.24
Thru-Hole												
781-J502	J502	TO-92	0.43	20	2.1	50	1500	1100	1.61	1.46	1.24	1.10
781-J503	J503	TO-92	0.56	20	2.1	50	1200	800	1.90	1.73	1.47	1.30
781-J504	J504	TO-92	0.75	20	2.1	50	800	550	1.61	1.46	1.24	1.10
781-J505	J505	TO-92	1.00	20	2.1	50	500	400	1.90	1.73	1.47	1.30
781-J506	J506	TO-92	1.40	20	2.1	50	330	250	1.90	1.73	1.47	1.30
781-CR160	CR160	TO-18	1.60	10	1.65	100	475	400	3.78	3.44	2.92	2.58
781-CR180	CR180	TO-18	1.80	10	1.75	100	420	340	3.47	3.15	2.68	2.36
781-J507	J507	TO-92	1.80	20	2.1	50	200	190	1.90	1.73	1.47	1.30
781-CR200	CR200	TO-18	2.00	10	1.85	100	395	280	3.05	2.77	2.35	2.08
781-CR220	CR220	TO-18	2.20	10	1.95	100	370	250	2.81	2.55	2.17	1.91
781-CR240	CR240	TO-18	2.40	10	2	100	345	220	2.81	2.55	2.17	1.91
781-J508	J508	TO-92	2.40	20	2.1	50	200	130	1.90	1.73	1.47	1.30
781-CR270	CR270	TO-18	2.70	10	2.15	100	320	190	2.81	2.55	2.17	1.91
781-CR300	CR300	TO-18	3.00	10	2.25	100	300	160	2.81	2.55	2.17	1.91
781-J509	J509	TO-92	3.00	20	2.1	50	150	90	1.90	1.73	1.47	1.30
781-CR330	CR330	TO-18	3.30	10	2.35	100	280	140	3.05	2.77	2.35	2.08
781-CR360	CR360	TO-18	3.60	10	2.5	100	265	130	3.22	2.93	2.49	2.20
781-J510	J510	TO-92	3.60	20	2.1	50	150	70	1.90	1.73	1.47	1.30
781-CR390	CR390	TO-18	3.90	10	2.6	100	255	120	3.34	3.04	2.58	2.28
781-CR430	CR430	TO-18	4.30	10	2.75	100	245	100	3.41	3.10	2.64	2.33
781-CR470	CR470	TO-18	4.70	10	2.9	100	235	90	3.41	3.10	2.64	2.33
781-J511	J511	TO-92	4.70	20	4.2	50	120	50	1.90	1.73	1.47	1.30

ZETEX Diodes and Rectifiers

ZETEX SEMICONDUCTORS

ZETEX SCHOTTKY BARRIER DIODES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	V_R Max. (V)	I_F Max. (mA) @ V_F= 1V	V_F@		I_R@		Max. Cap (pF) at V_R=0V.f=MHz	Price Each				Reel	
					Max. (mV)	I_F (ma)	Max.(nA)	V_R(V)		1	10	100	1000	Qty.	Price Ea.
522-ZC2811ETA	ZC2811E	SOT23	15	20	410	1	100	10	1.2	.89	.76	.59	.29	3000	.24
522-ZMS2811TA	ZMS2811	SOD323	15	20	410	1	100	10	1.2	.75	.59	.40	.25	3000	.22
522-ZC5800ETA	ZC5800E	SOT23	50	15	410	1	200	35	2	.89	.76	.59	.29	3000	.24
522-ZC2800ETA	ZC2800E	SOT23	70	15	410	1	200	50	2	.89	.76	.59	.29	3000	.24
522-ZMS2800TA	ZMS2800	SOD323	70	15	410	1	200	50	2	.75	.59	.40	.25	3000	.22

ZETEX LOW LEAKAGE SCHOTTKY RECTIFIER DIODES (THERMALLY RATED TO 150°C)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	Vr (V)	If (A)	Ir @ 30V (uA)	Trr (ns)	Cd (pF)	Pd (W)	Price Each				Reel	
									1	10	100	1000	Qty.	Price Ea.
522-ZLLS1000TA	ZLLS1000TA	SOT-23	40	2.2	40	3.71	65	1.1	.83	.66	.58	.42	3000	.27
522-ZLLS2000TA	ZLLS2000TA	SOT23-6	40	1.16	20	2.58	31	0.625	1.04	.89	.76	.46	3000	.30
522-ZLLS400TA	ZLLS400TA	SOD-323	40	0.7	10	2.46	15.5	0.5	.94	.80	.62	.20	3000	.12
522-ZLLS500TA	ZLLS500TA	SOT-23	40	0.52	10	2.46	15.5	0.33	.94	.80	.62	.20	3000	.12

ZETEX RF BARRIER DIODE COMBINATIONS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	V_R Max. (V)	I_F Max. (mA) @ V_F= 1V	V_F@		I_R@		Max. Cap (pF) at V_R=0V.f=MHz	Price Each				Reel	
					Max. (mV)	I_F (ma)	Max.(nA)	V_R(V)		1	10	100	1000	Qty.	Price Ea.
522-ZC2813ETA	ZC2813E	SOT23	15	410	1	100	10	1.2	com. Anode	.89	.76	.59	.32	3000	.29
522-ZC2812ETA	ZC2812E	SOT23	15	410	1	100	10	1.2	series	.89	.76	.59	.32	3000	.29
522-BAS7006TA	BAS70-06	SOT23	70	410	1	200	50	2	com. Anode	.48	.34	.27	.18	3000	.15
522-BAS7005TA	BAS70-05	SOT23	70	410	1	200	50	2	com. Cathode	.48	.34	.27	.18	3000	.15
522-BAS7004TA	BAS70-04	SOT23	70	410	1	200	50	2	series	.48	.34	.27	.18	3000	.15

ZETEX 950 SERIES LOW VOLTAGE HYPERABRUPT VARACTOR DIODES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Capacitance V_R=0.5V, f=1MHz	Capacitance V_R=1.5V, f=1MHz		Capacitance $C_{0.5}/C_{2.5}$, f=1MHz	Q V_R=0.5V, f=50MHz	Price Each				Reel	
		Minimum (pF)	Minimum	Maximum	Minimum	Minimum	1	10	100	100	Qty.	Price Ea.
522-ZMDC953TA	ZMDC953TA	45	30	37	2	200	.83	.66	.58	.52	3000	.37
522-ZV953V2TA	ZV953V2TA	45	30	37	2	200	1.04	.89	.76	.63	3000	.36
522-ZV950V2TA	ZV950V2TA	9.5	6.3	7.8	2	250	.94	.80	.62	.44	3000	.31
522-ZV952V2TA	ZV952V2TA	19	12.7	15.7	2	250	.94	.80	.62	.44	3000	.31

ZETEX 12 AND 25 VOLT HYPERABRUPT VARACTOR DIODES

Features:
- Close tolerance C-V characteristics
- High tuning ratio
- Low IR (typically 200pA)
- Excellent phase noise performance
- High Q
- Range of miniature surface mount packages

Applications:
- VCXO and TCXO
- Wireless communications
- Pagers
- Mobile radio

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	Volt	Capacitance VR=2V, f=1MHz	Capacitance Ratio C2/C20		Q VR=3V f=50MHz	Price Each				Reel	
					Minimum	Maximum		1	10	100	100	Qty.	Price Ea.
522-ZC830ATA	ZC830ATA	SOT23	25	10	4.5	6	300	6.29	5.62	4.99	4.26	3000	3.34
522-ZC831ATA	ZC831ATA	SOT23	25	15	4.5	6	300	1.10	.95	.87	.79	3000	.63
522-ZC832ATA	ZC832ATA	SOT23	25	22	5	6.5	200	6.29	5.62	4.99	4.26	3000	3.34
522-ZC833ATA	ZC833ATA	SOT23	25	33	5	6.5	200	6.29	5.62	4.99	4.26	3000	3.34
522-ZC836ATA	ZC836ATA	SOT23	25	100	5	6.5	100	6.29	5.62	4.99	4.26	3000	3.34
522-ZC930TA	ZC930TA	SOT23	12	8.7	4.3	5.5	200	1.04	.90	.82	.75	3000	.60
522-ZC932TA	ZC932TA	SOT23	12	17	8.5	10.5	200	1.04	.90	.82	.75	3000	.60
522-ZC933ATA	ZC933ATA	SOT23	12	42	20.25	24.75	150	1.04	.90	.82	.75	3000	.60
522-ZC933TA	ZC933TA	SOT23	12	42	18	27	150	1.04	.90	.82	.75	3000	.60
522-ZC934TA	ZC934TA	SOT23	12	95	40	65	80	1.04	.90	.82	.75	3000	.60

ZETEX RECTIFIERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	V_R Max. (V)	I_F Max. (mA)	I_{FSM} Max. (A)	V_F@		I_R@		Typ Cap (pF) at V_R=25V, f=1MHz	Price Each				Reel	
						Max. (mV)	I_F (ma)	Max.(μA)	V_R(V)		1	10	100	1000	Qty.	Price Ea.
522-ZHCS2000TA	ZHCS2000	SOT23-6	40	2000	20	500	2000	250	30	60	.99	.75	.45	.26	3000	.23
522-ZHCS1000TA	ZHCS1000	SOT23	40	1000	12	500	1000	100	30	25	.99	.75	.45	.26	3000	.23
522-ZHCS750TA	ZHCS750	SOT23	40	750	12	540	750	100	30	25	.70	.55	.44	.19	3000	.15
522-ZHCS500TA	ZHCS500	SOT23	40	500	6.75	550	500	40	30	20	.70	.55	.44	.19	3000	.15
522-ZHCS400TA	ZHCS400	SOD323	40	400	6.75	500	400	40	30	20	.70	.55	.44	.19	3000	.14
522-ZHCS1006TA	ZHCS1006	SOT23	60	900	12	600	1000	100	45	17	.99	.75	.45	.26	3000	.23
522-ZHCS756TA	ZHCS756	SOT23	60	750	12	610	750	100	45	17	.70	.55	.44	.24	3000	.21
522-ZHCS506TA	ZHCS506	SOT23	60	500	5.5	630	500	40	45	20	.70	.55	.44	.19	3000	.15

Central Semiconductor Corp. SMALL SIGNAL TRANSISTORS - LEADED

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	h_{FE} Min.	h_{FE} Max.	f_T(MHz) MIN	Price Each 1	100	500	1000
NPN Small Signal Transistors									
610-2N3866	2N3866	TO-39	10	200	500	1.50	1.24	1.11	.94
610-2N4427	2N4427	TO-39	10	200	500	2.07	1.88	1.71	1.55
610-2N918	2N918	TO-72	20	- - -	600	.97	.80	.71	.64
610-2N1480	2N1480	TO-39	20	60	1.5	1.77	1.63	1.50	1.38
610-2N1700	2N1700	TO-39	20	80	- - -	1.96	1.81	1.67	1.53
610-2N5785	2N5785	TO-39	20	100	1	1.32	1.25	1.19	1.15
610-2N2925	2N2925	TO-92	25	235	160	.33	.20	.14	.13
610-2N5179	2N5179	TO-72	25	250	900	.74	.61	.54	.50
610-2N708	2N708	TO-18	30	120	400	.71	.59	.53	.48
610-2N2845	2N2845	TO-18	30	120	250	.99	.83	.80	.77
610-2N2857	2N2857	TO-72	30	150	1000	1.66	1.37	1.22	1.10
610-2N3014	2N3014	TO-18	30	120	350	.80	.74	.68	.62
610-2N3114	2N3114	TO-39	30	120	40	1.42	1.34	1.29	1.25
610-2N3706	2N3706	TO-92	30	600	100	.33	.20	.14	.13
610-2N3839	2N3839	TO-72	30	150	1000	1.66	1.37	1.22	1.10
610-2N4237	2N4237	TO-39	30	150	2	2.20	1.64	1.36	1.07
610-2N4238	2N4238	TO-39	30	150	2	2.73	2.03	1.68	1.33
610-2N5109	2N5109	TO-39	30	90	60	1.66	1.37	1.22	1.10
610-2N5225	2N5225	TO-92	30	600	50	.36	.24	.17	.15
610-2N5772	2N5772	TO-92	30	120	350	.33	.20	.14	.13
610-2N1481	2N1481	TO-39	35	100	1.5	1.78	1.64	1.51	1.39
610-2N697A	2N697A	TO-39	40	120	50	.99	.91	.84	.77
610-2N718A	2N718A	TO-18	40	120	60	.58	.54	.52	.50
610-2N1613	2N1613	TO-39	40	120	60	.47	.39	.38	.37
610-2N2218A	2N2218A	TO-39	40	120	250	.59	.56	.54	.52
610-2N3020	2N3020	TO-39	40	120	250	.61	.54	.49	.42
610-2N3420	2N3420	TO-39	40	120	40	2.65	2.19	1.96	1.76
610-2N3421	2N3421	TO-39	40	120	40	2.65	2.19	1.96	1.76
610-2N4895	2N4895	TO-39	40	120	50	3.12	2.93	2.83	2.75
610-MPSA20	MPSA20	TO-92	40	400	125	.34	.20	.18	.13
610-MPSA42	MPSA42	TO-92	40	- - -	50	.25	.15	.14	.13
610-PN2369A	PN2369A	TO-92	40	120	500	.27	.21	.17	.12
610-PN3567	PN3567	TO-92	40	120	60	.41	.33	.26	.21
610-2N3708	2N3708	TO-92	45	660	- - -	.30	.27	.23	.19
610-2N2270	2N2270	TO-39	50	200	100	.60	.55	.49	.47
610-2N3053	2N3053	TO-39	50	250	100	.67	.55	.49	.44
610-2N3705	2N3705	TO-92	50	150	100	.34	.27	.22	.17
610-2N3903	2N3903	TO-92	50	150	250	.18	.12	.10	.088
610-2N5770	2N5770	TO-92	50	200	800	.37	.34	.31	.29
610-2N2405	2N2405	TO-39	60	200	50	.53	.48	.43	.39
610-2N3725A	2N3725A	TO-39	60	150	300	.97	.80	.71	.64
610-2N4013	2N4013	TO-18	60	150	300	1.09	.96	.87	.79
610-2N4410	2N4410	TO-92	60	400	60	.33	.20	.14	.12
610-2N5550	2N5550	TO-92	60	250	100	.22	.20	.11	.078
610-MPSH10	MPSH10	TO-92	60	- - -	650	.26	.23	.21	.20
610-2N5154	2N5154	TO-39	70	200	70	3.45	2.85	2.55	2.30
610-2N3416	2N3416	TO-92	75	225	- - -	.23	.19	.17	.15
610-2N5551	2N5551	TO-92	80	250	100	.25	.20	.16	.13
610-2N2923	2N2923	TO-92	90	180	160	.28	.25	.22	.19
610-2N3393	2N3393	TO-92	90	180	120	.32	.29	.26	.24
610-MPS6531	MPS6531	TO-92	90	270	- - -	.29	.17	.12	.11
610-2N930B	2N930B	TO-18	100	300	45	.55	.46	.41	.38
610-2N2222A	2N2222A	TO-18	100	300	250	.39	.33	.30	.27
610-2N2484	2N2484	TO-18	100	500	60	.58	.48	.43	.39
610-2N3107	2N3107	TO-39	100	300	70	1.75	1.07	.89	.70
610-2N3501	2N3501	TO-39	100	300	150	2.16	1.80	1.60	1.44
610-2N3704	2N3704	TO-92	100	300	100	.34	.27	.22	.17
610-2N3707	2N3707	TO-92	100	400	- - -	.33	.20	.14	.13
610-2N3904	2N3904	TO-92	100	300	300	.10	.08	.06	.045
610-2N4401	2N4401	TO-92	100	300	250	.19	.12	.084	.074
610-2N5172	2N5172	TO-92	100	500	200	.28	.17	.12	.11
610-2N5209	2N5209	TO-92	100	300	30	.33	.26	.21	.17
610-MPS3704	MPS3704	TO-92	100	300	100	.37	.30	.24	.19
610-MPS3706	MPS3706	TO-92	100	300	100	.24	.20	.15	.12
610-PN2222A	PN2222A	TO-92	100	300	300	.18	.14	.12	.09
610-PN3569	PN3569	TO-92	100	300	60	.20	.17	.14	.12
610-PN3643	PN3643	TO-92	100	300	250	.25	.19	.15	.11
610-2N2924	2N2924	TO-92	150	300	160	.28	.25	.22	.19
610-2N3392	2N3392	TO-92	150	300	120	.19	.15	.13	.11
610-2N3860	2N3860	TO-92	150	300	90	.33	.20	.15	.13
610-2N5818	2N5818	TO-92	150	300	135	.29	.27	.24	.22
610-MPS3392	MPS3392	TO-92	150	300	- - -	.41	.32	.23	.13
610-PN3565	PN3565	TO-92	150	600	40	.32	.26	.20	.16
610-PN3566	PN3566	TO-92	150	600	40	.54	.45	.34	.23
610-2N5961	2N5961	TO-92	170	700	100	.45	.36	.29	.23
610-2N3415	2N3415	TO-92	180	540	- - -	.18	.14	.12	.10

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	h_{FE} Min.	h_{FE} Max.	f_T(MHz) MIN	Price Each 1	100	500	1000
NPN Small Signal Transistors (cont.)									
610-2N3417	2N3417	TO-92	180	540	- - -	.18	.14	.12	.10
610-2N3711	2N3711	TO-92	180	660	- - -	.33	.20	.14	.13
610-2N4424	2N4424	TO-92	180	540	- - -	.22	.18	.16	.14
610-2N5210	2N5210	TO-92	200	600	30	.28	.17	.12	.11
610-MPS6520	MPS6520	TO-92	200	400	- - -	.23	.18	.14	.10
610-2N3117	2N3117	TO-18	250	500	60	1.36	1.16	.99	.84
610-2N3391A	2N3391A	TO-92	250	500	120	.32	.29	.26	.24
610-2N5232A	2N5232A	TO-92	250	500	- - -	.33	.20	.14	.13
610-MPS6515	MPS6515	TO-92	250	500	- - -	.27	.22	.17	.14
610-MPS8097	MPS8097	TO-92	250	5	- - -	.29	.17	.13	.11
610-2N5088	2N5088	TO-92	300	900	50	.26	.21	.17	.13
610-MPS6521	MPS6521	TO-92	300	600	- - -	.36	.29	.23	.18
610-2N5089	2N5089	TO-92	400	1200	50	.26	.21	.17	.13
610-MPSA18	MPSA18	TO-92	500	1500	100	.30	.25	.23	.21
610-2N5962	2N5962	TO-92	600	1400	100	.25	.20	.18	.16
610-2N5306	2N5306	TO-92	7000	70000	60	.23	.18	.16	.15
610-2N5308	2N5308	TO-92	7000	70000	60	.33	.20	.14	.13
610-MPS5306	MPS5306	TO-92	7000	70000	60	.26	.22	.16	.14
610-MPSA13	MPSA13	TO-92	10000	- - -	125	.25	.15	.14	.13
610-MPSA26	MPSA26	TO-92	10000	- - -	- - -	.34	.20	.15	.13
610-MPSA28	MPSA28	TO-92	10000	- - -	125	.34	.19	.17	.15
610-MPSA29	MPSA29	TO-92	10000	- - -	125	.34	.19	.17	.15
610-2N6427	2N6427	TO-92	14000	140000	130	.33	.20	.14	.12
610-2N6426	2N6426	TO-92	20000	200000	- - -	.33	.20	.14	.13
610-MPSA14	MPSA14	TO-92	20000	- - -	125	.25	.15	.14	.13
610-2N706A	2N706A	TO-18	- - -	- - -	- - -	.52	.47	.43	.39
PNP Small Signal Transistors									
610-MPSA92	MPSA92	TO-92	25	- - -	50	.25	.15	.14	.13
610-2N4208	2N4208	TO-18	30	120	700	1.51	1.22	1.11	1.01
610-2N4234	2N4234	TO-39	30	150	3	1.88	1.40	1.16	.92
610-2N3703	2N3703	TO-92	30	150	100	.33	.20	.14	.13
610-2N5226	2N5226	TO-92	30	600	50	.32	.26	.20	.16
610-PN3640	PN3640	TO-92	30	120	500	.44	.37	.34	.31
610-2N2906A	2N2906A	TO-18	40	120	200	.59	.56	.54	.52
610-2N2904A	2N2904A	TO-39	40	120	200	.64	.56	.54	.52
610-2N4030	2N4030	TO-39	40	120	100	.93	.67	.56	.50
610-2N4032	2N4032	TO-39	40	120	100	.78	.65	.58	.52
610-2N5400	2N5400	TO-92	40	180	100	.19	.14	.13	.12
610-MPSA70	MPSA70	TO-92	40	400	125	.34	.20	.15	.13
610-PN5139	PN5139	TO-92	40	- - -	300	.20	.16	.13	.10
610-2N3250	2N3250	TO-18	50	150	250	.60	.49	.47	.45
610-2N4037	2N4037	TO-39	50	250	60	.93	.67	.56	.45
610-2N3905	2N3905	TO-92	50	150	200	.21	.14	.12	.10
610-MPSA55	MPSA55	TO-92	50	- - -	50	.24	.19	.15	.12
610-MPS6562	MPS6562	TO-92	50	200	60	.27	.21	.18	.15
610-PN4356	PN4356	TO-92	50	250	100	.28	.22	.18	.14
610-PN5138	PN5138	TO-92	50	800	30	.32	.26	.20	.16
610-2N3702	2N3702	TO-92	60	300	100	.34	.27	.22	.17
610-2N5401	2N5401	TO-92	60	240	100	.19	.14	.13	.12
610-MPS6517	MPS6517	TO-92	90	180	- - -	.28	.22	.18	.14
610-2N2907A	2N2907A	TO-18	100	300	200	.37	.30	.27	.24
610-2N3504	2N3504	TO-18	100	300	200	.60	.52	.48	.45
610-2N3505	2N3505	TO-18	100	300	200	.60	.56	.53	.51
610-2N3962	2N3962	TO-18	100	450	40	.83	.68	.61	.55
610-2N2905A	2N2905A	TO-39	100	300	200	.62	.51	.46	.41
610-2N3502	2N3502	TO-39	100	300	200	.74	.61	.54	.51
610-2N3503	2N3503	TO-39	100	300	200	.74	.61	.56	.54
610-2N3906	2N3906	TO-92	100	300	250	.10	.08	.06	.045
610-2N4403	2N4403	TO-92	100	300	200	.19	.12	.084	.074
610-2N5366	2N5366	TO-92	100	300	250	.21	.19	.17	.15
610-PN2907A	PN2907A	TO-92	100	300	200	.18	.14	.12	.09
610-PN3638A	PN3638A	TO-92	100	- - -	150	.35	.28	.20	.11
610-PN3644	PN3644	TO-92	100	300	200	.31	.18	.13	.12
610-PN3645	PN3645	TO-92	100	300	200	.38	.30	.24	.19
610-PN4249	PN4249	TO-92	100	300	40	.38	.34	.29	.23
610-PN4355	PN4355	TO-92	100	400	100	.28	.22	.18	.14
610-2N5086	2N5086	TO-92	150	500	40	.26	.21	.17	.13
610-2N5819	2N5819	TO-92	150	300	135	.32	.26	.24	.22
610-PN4917	PN4917	TO-92	150	300	450	.38	.30	.24	.19
610-2N5087	2N5087	TO-92	250	800	40	.26	.17	.12	.11
610-MPS6519	MPS6519	TO-92	250	500	- - -	.29	.17	.13	.11
610-PN4250A	PN4250A	TO-92	250	700	50	.24	.19	.14	.10
610-MPSA63	MPSA63	TO-92	10000	- - -	125	.34	.20	.15	.13
610-MPSA77	MPSA77	TO-92	10000	- - -	125	.28	.23	.20	.18
610-MPSA64	MPSA64	TO-92	20000	- - -	125	.34	.20	.15	.13
610-MPSA65	MPSA65	TO-92	20000	- - -	100	.34	.20	.15	.13

CENTRAL Transistors

Central Semiconductor Corp.

♦Surface Mount Devic

SMALL SIGNAL TRANSISTORS - SMD

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	hFE Min.	hFE Max.	fT (MHz) MIN	Price Each 1	100	500	1000
NPN Small Signal Transistors - SMD									
♦610-CMPT2369	CMPT2369	SOT-23	40	120	500	.29	.23	.21	.18
♦610-CMPTA42	CMPTA42	SOT-23	40	- - -	50	.28	.19	.17	.15
♦610-CMPTH10	CMPTH10	SOT-23	60	- - -	650	.27	.25	.23	.21
♦610-CMPT5551	CMPT5551	SOT-23	80	250	100	.40	.31	.21	.12
♦610-CMPT3904	CMPT3904	SOT-23	100	300	300	.25	.19	.16	.13
♦610-CMPT4401	CMPT4401	SOT-23	100	300	250	.28	.21	.18	.14
♦610-CMPT5088	CMPT5088	SOT-23	300	900	50	.28	.19	.14	.12
♦610-CMPT5089	CMPT5089	SOT-23	400	1200	50	.28	.19	.14	.12
♦610-CMPTA13	CMPTA13	SOT-23	10000	- - -	125	.31	.25	.19	.13
♦610-CMPTA14	CMPTA14	SOT-23	20000	- - -	125	.31	.25	.19	.13

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	hFE Min.	hFE Max.	fT (MHz) MIN	Price Each 1	100	500	1000
Small Signal Transistors - SMD									
♦610-CMPTA92	CMPTA92	SOT-23	25	- - -	50	.28	.19	.17	.15
♦610-CMPT5401	CMPT5401	SOT-23	60	240	100	.43	.33	.24	.15
♦610-CMPT2907A	CMPT2907A	SOT-23	100	300	200	.25	.19	.16	.13
♦610-CMPT3906	CMPT3906	SOT-23	100	300	250	.24	.16	.13	.11
♦610-CMPT4403	CMPT4403	SOT-23	100	300	200	.28	.21	.18	.14
♦610-CMPTA56	CMPTA56	SOT-23	100	- - -	- - -	.15	.12	.09	.074
♦610-CXT3906	CXT3906	SOT-89	100	300	250	.56	.39	.35	.32
♦610-CMPT5087	CMPT5087	SOT-23	250	800	40	.28	.19	.14	.12
♦610-CMPTA63	CMPTA63	SOT-23	10000	- - -	125	.40	.28	.20	.18
♦610-CMPTA64	CMPTA64	SOT-23	20000	- - -	125	.35	.24	.18	.15

POWER TRANSISTORS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	hFE Min.	hFE Max.	fT (MHz) MIN	Price Each 1	100	500	1000
NPN Power Transistors									
610-2N5878	2N5878	TO-3	4	- - -	4	1.42	1.29	1.17	1.07
610-2N6543	2N6543	TO-3	7	35	6	2.48	2.25	2.05	1.86
610-2N6545	2N6545	TO-3	7	35	6	3.85	3.50	3.19	2.90
610-MJE13004	MJE13004	TO-220	8	40	4	1.55	1.43	1.31	1.22
610-MJE13005	MJE13005	TO-220	8	40	4	1.24	1.03	.92	.83
610-TIP31	TIP31	TO-220	10	50	3	.45	.40	.38	.35
610-TIP31B	TIP31B	TO-220	10	50	3	.45	.40	.38	.35
610-TIP101	TIP101	TO-220	15	75	3	.73	.68	.62	.58
610-TIP29	TIP29	TO-220	15	75	3	.57	.49	.45	.42
610-TIP29A	TIP29A	TO-220	15	75	3	.57	.49	.45	.42
610-TIP29B	TIP29B	TO-220	15	75	3	.57	.49	.45	.42
610-TIP41A	TIP41A	TO-220	15	75	3	.71	.59	.53	.49
610-2N3713	2N3713	TO-3	15	- - -	4	1.92	1.77	1.63	1.50
610-2N3714	2N3714	TO-3	15	- - -	4	1.80	1.66	1.53	1.41
610-2N3773	2N3773	TO-3	15	60	- - -	2.96	2.69	2.44	2.22
610-2N5301	2N5301	TO-3	15	60	4	3.40	3.13	2.88	2.65
610-2N5303	2N5303	TO-3	15	60	2	3.40	3.13	2.88	2.65
610-2N5298	2N5298	TO-220	20	80	0.8	.86	.72	.60	.54
610-2N6099	2N6099	TO-220	20	80	5	1.06	.87	.78	.70
610-2N6123	2N6123	TO-220	20	80	2.5	.80	.74	.68	.63
610-2N6486	2N6486	TO-220	20	150	5	.73	.68	.62	.58
610-2N3442	2N3442	TO-3	20	70	- - -	2.19	1.99	1.81	1.65
610-2N5885	2N5885	TO-3	20	100	4	3.29	2.72	2.43	2.19
610-2N5629	2N5629	TO-3	25	100	1	2.38	2.25	2.17	2.09
610-2N4923	2N4923	TO-126	30	150	3	.60	.49	.44	.40
610-2N6288	2N6288	TO-220	30	150	4	.67	.60	.54	.48
610-2N6290	2N6290	TO-220	30	150	4	.85	.78	.72	.66
610-2N6292	2N6292	TO-220	30	150	4	.71	.65	.60	.55
610-2N3715	2N3715	TO-3	30	- - -	4	1.92	1.77	1.63	1.50
610-2N3716	2N3716	TO-3	30	- - -	4	1.92	1.77	1.63	1.50
610-2N3583	2N3583	TO-66	40	- - -	10	3.52	3.30	3.19	3.08
610-2N3584	2N3584	TO-66	40	- - -	10	3.52	3.30	3.19	3.08
610-2N3585	2N3585	TO-66	40	- - -	10	3.52	3.30	3.19	3.08
610-MJE180	MJE180	TO-126	50	250	50	.55	.51	.48	.45
610-2N6714	2N6714	TO-237	50	250	50	.41	.34	.31	.28
610-2N6715	2N6715	TO-237	50	250	50	.73	.58	.47	.37
610-2N6716	2N6716	TO-237	50	250	50	.41	.34	.31	.28
610-TIP111	TIP111	TO-220	500	- - -	25	.62	.57	.52	.49
610-2N6037	2N6037	TO-126	750	15000	25	.53	.49	.45	.41
610-2N6038	2N6038	TO-126	750	15000	25	.53	.49	.45	.41
610-2N6039	2N6039	TO-126	750	15000	25	.60	.49	.44	.40
610-2N6055	2N6055	TO-3	750	18000	4	2.60	2.39	2.21	2.04
610-2N6057	2N6057	TO-3	750	18000	4	2.26	2.08	1.91	1.76
610-2N6043	2N6043	TO-220	1000	20000	4	.92	.80	.72	.65
610-2N6044	2N6044	TO-220	1000	20000	4	1.15	1.08	1.04	.95
610-2N6045	2N6045	TO-220	1000	20000	4	1.33	1.04	.96	.88
610-2N6386	2N6386	TO-220	1000	20000	20	.73	.68	.62	.58
610-2N6387	2N6387	TO-220	1000	20000	20	.74	.61	.54	.50
610-2N6384	2N6384	TO-3	1000	20000	6	2.45	2.20	1.98	1.78
610-2N6724	2N6724	TO-237	4000	40000	1	.67	.54	.43	.34
610-2N6725	2N6725	TO-237	4000	40000	1	.67	.54	.43	.34

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	hFE Min.	hFE Max.	fT (MHz) MIN	Price Each 1	100	500	1000
PNP Power Transistors									
610-TIP32	TIP32	TO-220	10	50	3	.55	.46	.44	.42
610-2N6476	2N6476	TO-220	15	150	4	1.18	1.11	1.07	1.00
610-TIP30	TIP30	TO-220	15	75	3	.57	.49	.45	.42
610-2N3790	2N3790	TO-3	15	- - -	4	1.98	1.82	1.67	1.54
610-2N4398	2N4398	TO-3	15	60	4	2.80	2.58	2.38	2.17
610-2N4399	2N4399	TO-3	15	60	4	2.80	2.58	2.38	2.17
610-2N6126	2N6126	TO-220	20	80	2.5	.86	.72	.60	.54
610-2N6491	2N6491	TO-220	20	150	5	.73	.68	.62	.58
610-2N5884	2N5884	TO-3	20	100	4	3.43	2.83	2.53	2.28
610-2N6124	2N6124	TO-220	25	100	2.5	.77	.71	.66	.60
610-2N6125	2N6125	TO-220	25	100	2.5	.58	.53	.49	.45
610-2N6029	2N6029	TO-3	25	100	1	3.77	3.47	3.19	2.87
610-2N4918	2N4918	TO-126	30	150	3	.55	.46	.42	.41
610-2N4920	2N4920	TO-126	30	150	3	.60	.49	.44	.40
610-2N6107	2N6107	TO-220	30	150	4	.78	.72	.67	.61
610-2N6109	2N6109	TO-220	30	150	4	.66	.61	.56	.52
610-2N3791	2N3791	TO-3	30	- - -	4	1.98	1.82	1.67	1.54
610-2N3792	2N3792	TO-3	30	- - -	4	2.24	2.06	1.91	1.75
610-MJE371	MJE371	TO-126	50	250	50	.58	.52	.48	.45
610-2N6727	2N6727	TO-237	50	250	50	.44	.37	.34	.31
610-TIP116	TIP116	TO-220	500	- - -	25	.60	.55	.51	.47
610-2N6034	2N6034	TO-126	750	15000	25	.55	.46	.42	.39
610-2N6035	2N6035	TO-126	750	15000	25	.53	.49	.45	.41
610-2N6050	2N6050	TO-3	750	18000	4	1.99	1.83	1.68	1.55
610-2N6051	2N6051	TO-3	750	18000	4	1.94	1.76	1.67	1.54
610-2N6052	2N6052	TO-3	750	18000	4	1.99	1.83	1.68	1.55
610-2N6040	2N6040	TO-220	1000	20000	4	1.33	1.04	.96	.88
610-2N6041	2N6041	TO-220	1000	20000	4	1.03	.93	.85	.77
610-2N6042	2N6042	TO-220	1000	20000	4	1.05	.96	.87	.79
610-2N6650	2N6650	TO-3	1000	20000	6	1.98	1.65	1.60	1.54
610-MJ11013	MJ11013	TO-3	1000	- - -	4	6.16	5.77	5.59	5.39

JUNCTION FETS AND MOSFET

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	hFE Min.	hFE Max.	fT (MHz) MIN	Price Each 1	100	500	1000
N-Channel JFETs									
610-2N4392	2N4392	TO-18	40	2.0	5.0	1.28	1.16	1.05	.96
610-2N4393	2N4393	TO-18	40	0.5	3.0	1.11	1.05	.99	.95
P-Channel JFETs									
610-2N2609	2N2609	TO-18	30	1.0	4.0	1.65	1.55	1.45	1.35
610-2N5460	2N5460	TO-92	40	0.75	6.0	.36	.33	.30	.28
N-Channel JFETs - RF Amplifiers									
610-2N5484	2N5484	TO-92	25	0.3	3.0	.55	.46	.42	.38
610-2N5485	2N5485	TO-92	25	0.5	4.0	.39	.36	.33	.31
610-2N5486	2N5486	TO-92	25	2.0	6.0	.39	.36	.33	.31
610-2N3819	2N3819	TO-92	30	- - -	6.0	.55	.46	.42	.38
610-2N4416A	2N4416A	TO-72	35	2.0	6.0	1.11	1.05	.99	.95
N-Channel Small Signal MOSFET									
610-2N7002	2N7002	SOT-23	40	1.0	2.5	.52	.41	.36	.26

DIODES INC. Transistors

DIODES INC. MOSFETS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Channel	V_{DDS}	R_{DS} (On) Ohms	I_P (mA)	Price Each 1	10	100	250
N-Channel Enhancement Mode										
621-2N7002	2N7002	SOT-23	Single	60	3.2Ω	115	.50	.40	.30	.23
621-2N7002W	2N7002W	SOT-323	Single	60	3.2Ω	115	.60	.48	.36	.27
621-2N7002T	2N7002T	SOT-523	Single	60	2.0Ω	115	.60	.48	.36	.29
621-BSS123	BSS123W	SOT-23	Single	100	6.0Ω	170	.53	.42	.32	.25
621-BSS123W	BSS123W	SOT-323	Single	100	6.0Ω	170	.53	.42	.32	.25
621-BSS138	BSS138	SOT-23	Single	60	3.5Ω	200	.50	.40	.30	.23
621-BSS138W	BSS138W	SOT-323	Single	50	3.5Ω	200	.55	.44	.33	.25
621-BS870	BS870	SOT-23	Single	60	5.0Ω	250	.50	.40	.30	.23
621-MMBF170	MMBF170	SOT-23	Single	60	5.0Ω	500	.39	.30	.22	.16
Dual N-Channel Enhancement Mode										
621-2N7002DW	2N7002DW	SOT-363	Dual	60	3.2Ω	115	.60	.48	.36	.29
621-BSS138DW	BSS138DW	SOT-363	Dual	50	3.5Ω	200	.83	.53	.40	.31
621-2N7002V	2N7002V	SOT-563	Dual	60	3.5Ω	280	.83	.75	.60	.45
621-2N7002VA	2N7002VA	SOT-563	Dual	60	3.5Ω	280	.83	.75	.60	.45
P-Channel Enhancement Mode										
621-BSS84	BSS84	SOT-23	Single	-50	10Ω	-130	.50	.40	.30	.23
621-BSS84W	BSS84W	SOT-323	Single	-50	10Ω	-130	.55	.44	.33	.25
Dual P-Channel Enhancement Mode										
621-BSS84DW	BSS84DW	SOT-363	Dual	-50	10Ω	-130	.74	.59	.45	.35
N-Channel/P-Channel Array Enhancement Mode										
621-BSS8402DW	BSS8402DW	SOT-363	---	60 -50	10Ω 10Ω	115 -130	.74	.59	.45	.38

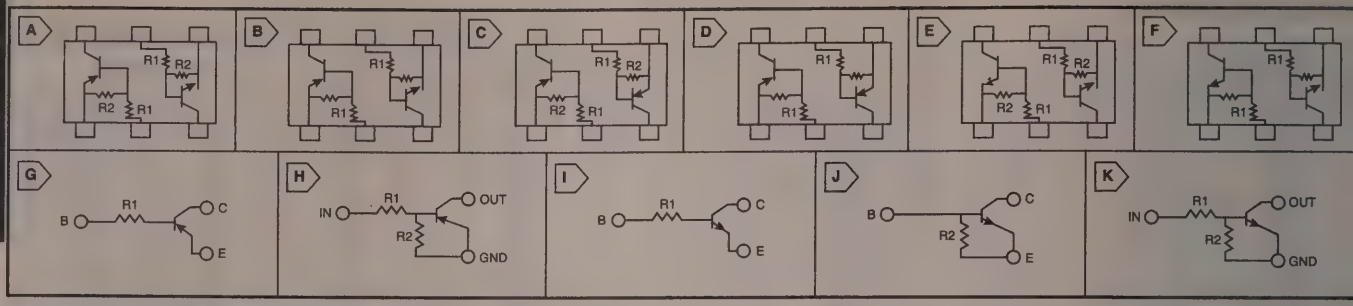
DIODES INC. BI-POLAR TRANSISTORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Case Type	V_{CEO} (V)	I_C (Max) (mA)	h_{FE} (Min)	Price Each 1	10	100	250
NPN Transistors									
621-MMBT4401T	MMBT4401T	SOT-523	40	600	20	.39	.26	.18	.13
621-MMBTA42	MMBTA43	SOT-23	300	200	25	.49	.36	.26	.19
621-MMSTA42	MMSTA42	SOT-323	300	300	25	.45	.36	.27	.20
621-MMBTH10	MMBTH10	SOT-23	25	50	30	.52	.40	.29	.22
621-MMBT3904T	MMBT3904T	SOT-523	40	200	30	.33	.23	.16	.11
621-MMBT2222AT	MMBT2222AT	SOT-523	40	600	35	.39	.26	.18	.13
621-MMST3904	MMST3904	SOT-323	40	200	40	.42	.33	.23	.18
621-MMBTA05	MMBTA05	SOT-23	60	100	50	.49	.36	.26	.19
621-MMBTA06	MMBTA06	SOT-23	80	100	50	.49	.36	.26	.19
621-MMBTH24	MMBTH24	SOT-23	40	50	60	.52	.40	.29	.22
621-MMBT4124	MMBT4124	SOT-23	25	200	60	.39	.26	.18	.13
621-MMST4124	MMST4124	SOT-323	25	200	60	.42	.33	.23	.18
621-MMBTA28	MMBTA28	SOT-23	80	500	80	.49	.36	.26	.19
621-MMBT2222A	MMBT2222A	SOT-23	40	350	100	.39	.26	.18	.13
621-MMBT3904	MMBT3904	SOT-23	40	350	100	.33	.23	.16	.11
621-MMSTA05	MMSTA05	SOT-323	60	500	100	.45	.36	.27	.20
621-MMSTA06	MMSTA06	SOT-323	80	500	100	.45	.36	.27	.20
621-MMST2222A	MMST2222A	SOT-323	40	600	100	.42	.33	.23	.18
621-MMBT123S	MMBT123S	SOT-23	18	1000	150	.39	.30	.22	.16
621-MMBTA13	MMBTA13	SOT-23	30	100	10K	.49	.36	.26	.19
621-MMSTA13	MMSTA13	SOT-323	30	300	10K	.45	.36	.27	.20
621-MMBT6427	MMBT6427	SOT-23	40	500	14K	.49	.36	.26	.19
621-MMBTA14	MMBTA14	SOT-23	30	100	20K	.49	.36	.26	.19
PNP Transistors									
621-MMBT4403T	MMBT4403T	SOT-523	-40	-600	20	.39	.26	.18	.13
621-MMBTA92	MMBTA92	SOT-23	-300	-100	25	.49	.36	.26	.19
621-MMBT3906T	MMBT3906T	SOT-523	-40	-200	30	.33	.23	.16	.11
621-MMBT2907AT	MMBT2907AT	SOT-523	-60	-600	50	.39	.26	.18	.13
621-MMBTA55	MMBTA55	SOT-23	100	100	50	.49	.36	.26	.19
621-MMBT4126	MMBT4127	SOT-23	-25	-200	60	.39	.26	.18	.13
621-MMST3906	MMST3906	SOT-323	-40	-200	60	.42	.33	.23	.18
621-MMST4126	MMST4126	SOT-323	-25	-200	60	.42	.33	.23	.18
621-MMST2907A	MMST2907A	SOT-323	-60	-600	75	.42	.33	.23	.18
621-MMSTA55	MMSTA55	SOT-323	-60	-500	100	.45	.36	.27	.20
621-MMSTA56	MMSTA56	SOT-323	-80	-500	100	.45	.36	.27	.20
621-MMBT4403	MMBT4404	SOT-23	40	750	100	.39	.26	.18	.13
621-MMBT2907A	MMBT2907A	SOT-23	150	150	300	.39	.26	.18	.13
621-MMBTA63	MMBTA63	SOT-23	-30	-500	10K	.49	.36	.26	.19
621-MMSTA63	MMSTA63	SOT-323	-500	-500	10K	.45	.36	.27	.20
621-MMBTA64	MMBTA64	SOT-23	-30	-500	20K	.49	.36	.26	.19
Dual NPN Transistors									
621-MMDT5551	MMDT5551	SOT-363	160	200	30	.50	.40	.30	.23
621-MMDT2222A	MMDT2222A	SOT-363	40	600	35	.52	.40	.29	.22
621-MMDT4124	MMDT4124	SOT-363	25	200	60	.50	.40	.30	.23
621-MMDT3904	MMDT3904	SOT-363	40	200	100	.52	.40	.29	.22
621-MMDT4401	MMDT4401	SOT-363	40	600	100	.50	.40	.30	.23
621-MMDT3904V	MMDT3904V	SOT-563	60	200	100	.44	.40	.32	.24
621-BC847BV	BC847BV	SOT-563	45	100	290	.44	.40	.32	.24
Dual PNP Transistors									
621-MMDT5401	MMDT5401	SOT-363	-150	-200	50	.50	.40	.30	.23
621-MMDT3906	MMDT3907	SOT-363	-40	-200	60	.52	.40	.29	.22
621-MMDT4126	MMDT4126	SOT-363	-25	-200	60	.50	.40	.30	.23
621-MMDT2907A	MMDT2907A	SOT-363	-60	-600	75	.52	.40	.29	.22
621-MMDT4403	MMDT4403	SOT-363	-40	-600	100	.50	.40	.30	.23
621-DMMT3906W	DMMT3906W	SOT-363	-40	-200	100	.50	.40	.30	.23
Complementary NPN/PNP Transistors									
621-MMDT4413	MMDT4413	SOT-363	40 / 40	600 / 600	20 / 30	.50	.40	.30	.23
621-MMDT5451	MMDT5451	SOT-363	160 / 160	200 / 200	30 / 50	.50	.40	.30	.23
621-MMDT2227	MMDT2228	SOT-363	40 / 60	600 / 600	35 / 50	.52	.40	.29	.22
621-MMDT3946	MMDT3946	SOT-363	40 / 40	200 / 200	40 / 60	.52	.40	.29	.22

DIODES INC. Transistors

DIODES INCORPORATED



DIODES INC. PRE-BIASED TRANSISTORS

For quantities of 500 and up, call for quot

MOUSER STOCK NO.	Diodes Inc. Part No.	Figure	Case Type	R_1 (Ω)	R_2 (Ω)	h_{FE} (Min)	Price Each 1	10	100	250
Complimentary NPN/PNP										
621-DCX114EU	DCX114EU	A	SOT-363	10K	10K	100	.55	.42	.30	.23
621-DCX114YU	DCX114YU	A	SOT-363	10K	47K	100	.55	.42	.30	.23
621-DCX123JU	DCX123JU	A	SOT-363	2.2K	47K	100	.55	.42	.30	.23
621-DCX124EU	DCX124EU	A	SOT-363	22K	22K	100	.55	.42	.30	.23
621-DCX143TU	DCX143TU	B	SOT-363	4.7K	–	100	.55	.42	.30	.23
Dual PNP										
621-DDA114EU	DDA114EU	C	SOT-363	10K	10K	100	.47	.36	.26	.19
621-DDA114YU	DDA114YU	C	SOT-363	10K	47K	100	.47	.36	.26	.19
621-DDA143TU	DDA143TU	D	SOT-363	4.7K	–	100	.47	.36	.26	.19
Dual NPN										
621-DDC114EU	DDC114EU	E	SOT-363	10K	10K	100	.47	.36	.26	.19
621-DDC123JU	DDC123JU	E	SOT-363	2.2K	47K	100	.47	.36	.26	.19
621-DDC124EU	DDC124EU	E	SOT-363	22K	22K	100	.47	.36	.26	.19
621-DDC144EU	DDC144EU	E	SOT-363	47K	47K	100	.47	.36	.26	.19
621-DDC114TU	DDC114TU	F	SOT-363	10K	–	100	.47	.36	.26	.19
621-DDC143TU	DDC143TU	F	SOT-363	4.7K	–	100	.47	.36	.26	.19
PNP Pre-Biased Transistors										
621-DDTA115ECA	DDTA115ECA	H	SOT-23	100K	100K	–82	.41	.30	.21	.15
621-DDTA123JUA	DDTA123JUA	H	SOT-323	2.2K	47K	–80	.41	.30	.21	.15
621-DDTA143ZCA	DDTA143ZCA	H	SOT-23	4.7K	47K	–80	.41	.30	.21	.15
621-DDTA114YCA	DDTA114YCA	H	SOT-23	10K	47K	–68	.41	.30	.21	.15
621-DDTA114YUA	DDTA114YUA	H	SOT-323	10K	47K	–68	.41	.30	.21	.15
621-DDTA144EE	DDTA144EE	H	SOT-523	47K	47K	–68	.39	.30	.22	.16
621-DDTA113ZCA	DDTA113ZCA	H	SOT-23	1K	10K	–33	.41	.30	.21	.15
621-DDTA123YCA	DDTA123YCA	H	SOT-23	2.2K	10K	–33	.41	.30	.21	.15
621-DDTA114ECA	DDTA114ECA	H	SOT-23	10K	10K	–30	.41	.30	.21	.15
621-DDTA143XCA	DDTA143XCA	H	SOT-23	4.7K	10K	–30	.41	.30	.21	.15
621-DDTA114WCA	DDTA114WCA	H	SOT-23	10K	4.7K	–24	.41	.30	.21	.15
621-DDTA123ECA	DDTA123ECA	H	SOT-23	2.2K	2.2K	–20	.41	.30	.21	.15
621-DDTA123EUA	DDTA123EUA	H	SOT-323	2.2K	2.2K	–20	.41	.30	.21	.15
621-DDTA143ECA	DDTA143ECA	H	SOT-23	4.7K	4.7K	–20	.41	.30	.21	.15
621-DDTA113TCA	DDTA113TCA	G	SOT-23	1K	–	100	.41	.30	.21	.15
621-DDTA143TCA	DDTA143TCA	G	SOT-23	4.7K	–	100	.41	.30	.21	.15
621-DDTA143TUA	DDTA143TUA	G	SOT-323	4.7K	–	100	.41	.30	.21	.15
621-DDTB122LC	DDTB122LC	H	SOT-23	.22K	10K	100	.41	.30	.21	.15
621-DDTB142TC	DDTB142TC	H	SOT-23	.47K	–	100	.41	.30	.21	.15
NPN Pre-Biased Transistors										
621-DDTC143ECA	DDTC143ECA	K	SOT-23	4.7K	4.7K	20	.41	.30	.21	.15
621-DDTC143EE	DDTC143EE	K	SOT-523	4.7K	4.7K	20	.39	.30	.22	.16
621-DDTC114WE	DDTC114WE	K	SOT-523	10K	4.7K	24	.39	.30	.22	.16
621-DDTC114YUA	DDTC114YUA	K	SOT-323	10K	47K	24	.41	.30	.21	.15
621-DDTC114ECA	DDTC114ECA	K	SOT-23	10K	10K	30	.41	.30	.21	.15
621-DDTC114EE	DDTC114EE	K	SOT-523	10K	10K	30	.39	.30	.22	.16
621-DDTC114EUA	DDTC114EUA	K	SOT-323	10K	10K	30	.41	.30	.21	.15
621-DDTC113ZCA	DDTC113ZCA	K	SOT-23	1K	10K	33	.41	.30	.21	.15
621-DDTC123ECA	DDTC123ECA	K	SOT-23	2.2K	2.2K	33	.41	.30	.21	.15
621-DDTC123YCA	DDTC123YCA	K	SOT-23	2.2K	10K	33	.41	.30	.21	.15
621-DDTC144VUA	DDTC144VUA	K	SOT-323	47K	10K	33	.41	.30	.21	.15
621-DDTC124ECA	DDTC124ECA	K	SOT-23	22K	22K	56	.41	.30	.21	.15
621-DDTC144WUA	DDTC144WUA	K	SOT-323	47K	22K	56	.41	.30	.21	.15
621-DDTC114YCA	DDTC114YCA	K	SOT-23	10K	47K	68	.41	.30	.21	.15
621-DDTC114YE	DDTC114YE	k	SOT-523	10K	47K	68	.39	.30	.22	.16
621-DDTC124XCA	DDTC124XCA	K	SOT-23	22K	47K	68	.41	.30	.21	.15
621-DDTC143FCA	DDTC143FCA	K	SOT-23	4.7K	22K	68	.41	.30	.21	.15
621-DDTC144EE	DDTC144EE	K	SOT-523	47K	47K	68	.39	.30	.22	.16
621-DDTC144EUA	DDTC144EUA	K	SOT-323	47K	47K	68	.41	.30	.21	.15
621-DDTC123JCA	DDTC123JCA	K	SOT-23	2.2K	47K	80	.41	.30	.21	.15
621-DDTC123JE	DDTC123JE	K	SOT-523	2.2K	47K	80	.39	.30	.22	.16
621-DDTC143ZE	DDTC143ZE	K	SOT-523	4.7K	47K	80	.39	.30	.22	.16
621-DDTC115ECA	DDTC115ECA	K	SOT-23	100K	100K	82	.41	.30	.21	.15
621-DDTC115GUA	DDTC115GUA	J	SOT-323	–	100K	82	.41	.30	.21	.15
621-DDTC113TCA	DDTC113TCA	I	SOT-23	1K	–	100	.41	.30	.21	.15
621-DDTC113TUA	DDTC113TUA	I	SOT-323	1K	–	100	.41	.30	.21	.15
621-DDTC114TCA	DDTC114TCA	I	SOT-23	10K	–	100	.41	.30	.21	.15
621-DDTC114TUA	DDTC114TUA	I	SOT-323	10K	–	100	.41	.30	.21	.15
621-DDTC115TUA	DDTC115TUA	I	SOT-323	100K	–	100	.41	.30	.21	.15
621-DDTC123TCA	DDTC123TCA	I	SOT-23	2.2K	–	100	.41	.30	.21	.15
621-DDTC124TCA	DDTC124TCA	I	SOT-23	22K	–	100	.41	.30	.21	.15
621-DDTC143TCA	DDTC143TCA	I	SOT-23	4.7K	–	100	.41	.30	.21	.15
621-DDTC144TCA	DDTC144TCA	I	SOT-23	47K	–	100	.41	.30	.21	.15
621-DDTD122LC	DDTD122LC	K	SOT-23	.22K	10K	100	.41	.30	.21	.15
621-DDTD122LU	DDTD122LU	K	SOT-323	0.22	10K	100	.41	.30	.21	.15
621-DDTD142TC	DDTD142TC	K	SOT-23	.47K	–	100	.41	.30	.21	.15
621-DDTC115TE	DDTC115TE	I	SOT-523	100K	–	250	.39	.30	.22	.16

FAIRCHILD Power Transistors

FAIRCHILD SEMICONDUCTOR

FAIRCHILD GENERAL POWER TRANSISTORS

♦ Surface Mount Device

NPN

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	V_{CEO} (V)	I_C (A)	h_{FE} Max(mA)	h_{FE} TC @IC (A)	Price Each 1	25	100
512—KSH200TF	TO-252	25	5	180	2	.50	.42	.30
512—MJE200STU	TO-126	25	5	180	2	.29	.24	.17
512—KSC1173YTU	TO-220	30	3	240	0.5	.54	.46	.32
512—KSC3073OTU	TO-251	30	3	140	0.5	.52	.44	.31
512—KSC3073YTU	TO-251	30	3	240	0.5	.52	.44	.31
512—KSD882YS	TO-126	30	3	320	1	.36	.30	.21
512—KSD882YSTU	TO-126	30	3	320	1	.36	.30	.21
512—KSE180S	TO-126	40	3	250	0.1	.36	.30	.21
512—BD13510S	TO-126	45	1.5	160	0.15	.36	.31	.22
512—BD13516STU	TO-126	45	1.5	250	0.15	.40	.33	.24
512—BD1356STU	TO-126	45	1.5	100	0.15	.36	.31	.22
512—BD17510STU	TO-126	45	3	160	0.15	.34	.29	.21
512—BD17516STU	TO-126	45	3	250	0.15	.34	.29	.21
512—BD239TU	TO-220	45	2	-	1	.56	.47	.34
512—BD243TU	TO-220	45	6	-	0.3	.62	.52	.37
512—KSD794YSTU	TO-126	45	3	320	0.5	.39	.33	.24
512—KSC3074YTU	TO-251	50	5	240	1	.69	.57	.42
512—KSC3076YTU	TO-251	50	2	240	0.5	.59	.48	.35
512—KSD288YTU	TO-220	55	3	240	0.5	.66	.56	.40
512—BD235STU	TO-126	60	2	-	0.15	.43	.35	.26
512—KSD1221GTU	TO-251	60	3	300	0.5	.62	.53	.38
512—KSD1221OTU	TO-251	60	3	120	0.5	.62	.53	.38
512—KSD1273OTU	TO-220F	60	3	2500	0.5	.71	.59	.43
512—KSD1273PTU	TO-220F	60	3	1500	0.5	.64	.54	.39
512—KSD1273QTU	TO-220F	60	3	1000	0.5	.64	.54	.39
512—KSD1273QYDTU	TO-220F	60	3	1000	0.5	.66	.55	.40
512—KSD1406OTU	TO-220F	60	3	120	0.5	.65	.53	.39
512—KSD1588RTU	TO-220F	60	7	80	3	.91	.77	.55
512—KSD2012GTU	TO-220F	60	3	320	0.5	.62	.52	.37
512—KSD2012YTU	TO-220F	60	3	200	0.5	.66	.54	.39
512—KSD2058YTU	TO-220F	60	3	300	0.5	.65	.54	.38
512—KSD73Y	TO-220	60	5	240	1	.66	.55	.40
512—KSD794AYS	TO-126	60	3	320	0.5	.43	.36	.26
512—KSD880O	TO-220	60	3	120	0.5	.66	.55	.40
512—KSD880Y	TO-220	60	3	200	0.5	.66	.55	.40
512—MJE181STU	TO-126	60	3	250	0.1	.30	.26	.19
512—MJE3055TTU	TO-220	60	10	100	4	.68	.58	.41
512—BD13910STU	TO-126	80	1.5	160	0.15	.38	.31	.22
512—BD13916STU	TO-126	80	1.5	250	0.15	.40	.33	.24
512—BD1396S	TO-126	80	1.5	100	0.15	.36	.30	.21
512—BD1396STU	TO-126	80	1.5	100	0.15	.36	.30	.21
512—BD17910STU	TO-126	80	3	250	0.15	.31	.26	.19
512—BD237STU	TO-126	80	2	-	0.15	.43	.35	.26
512—BD239BTU	TO-220	80	2	-	1	.62	.51	.37
512—KSD1408OTU	TO-220F	80	4	140	0.5	.65	.53	.39
512—KSD526O	TO-220	80	4	140	0.5	.66	.55	.40
512—KSH44H11TF	TO-252	80	8	-	2	.75	.63	.45
512—MJD44H11TF	TO-252	80	8	-	2	.71	.60	.43
512—MJE182STU	TO-126	80	3	250	0.1	.29	.25	.18
512—BD239C	TO-220	100	2	-	1	.56	.47	.34
512—BD241CTU	TO-220	100	3	-	3	.63	.52	.38
512—KSC2334RTU	TO-220	100	7	80	3	.92	.77	.55
512—KSC2334YTU	TO-220	100	7	240	3	.92	.77	.55
512—KSH29CTF	TO-251	100	1	75	1	.57	.48	.35
512—TIP29C	TO-220	100	1	75	1	.54	.46	.38
512—TIP41C	TO-220	100	6	75	3	.58	.50	.42
512—KSD363R	TO-220	120	6	80	1	.89	.74	.54
512—KSD363Y	TO-220	120	6	240	1	.89	.74	.54
512—BU407	TO-220	150	7	-	-	.94	.80	.57
512—KSC3296YTU	TO-220F	150	1.5	140	0.5	.63	.52	.38
512—KSD401Y	TO-220	150	2	240	0.4	.67	.55	.40
512—KSC2690AOSTSTU	TO-126	160	1.2	200	0.3	.43	.36	.26
512—KSC2690AYS	TO-126	160	1.2	320	0.3	.43	.36	.26
512—KSC2690AYSTSTU	TO-126	160	1.2	320	0.3	.43	.36	.26
512—KSC2682YSTU	TO-126	180	0.1	320	0.01	.31	.25	.19
512—KSC3502ESTU	TO-126	200	0.1	320	0.01	.31	.26	.18
512—KSC2688YS	TO-126	300	0.2	200	0.01	.31	.26	.18
512—KSC2688YSTU	TO-126	300	0.2	200	0.01	.31	.26	.18
512—KSC3503CS	TO-126	300	0.1	80	0.01	.32	.26	.19
512—KSC3503DSTU	TO-126	300	0.1	120	0.01	.30	.24	.18
512—KSE340STU	TO-126	300	0.5	240	0.05	.43	.36	.26
512—KSH340TF	TO-252	300	0.5	240	0.05	.57	.46	.34
512—MJE340STU	TO-126	300	0.5	240	0.05	.33	.28	.20
512—BD159STU	TO-126	350	0.5	240	0.15	.34	.29	.21
512—KSC3233DTF	TO-252	400	2	-	0.1	.63	.52	.39

PNP

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	V_{CEO} (V)	I_C (A)	h_{FE} Max(mA)	h_{FE} TC @IC (A)	Price Each 1	25	100
512—KSA1242OTU	TO-251	20	5	200	0.5	.57	.47	.34
512—KSA1242YTU	TO-251	20	5	320	0.5	.57	.47	.34
512—KSH210TF	TO-252	25	5	180	2	.54	.45	.33
512—MJD210TF	TO-252	25	5	180	2	.56	.47	.34
512—KSA473YTU	TO-220	30	3	240	0.5	.54	.46	.34
512—KSB772YS	TO-126	30	3	320	1	.36	.30	.21
512—KSB772YSTU	TO-126	30	3	320	1	.36	.30	.21
512—MJE170STU	TO-126	40	3	250	0.1	.32	.26	.20
512—TIP42	TO-220	40	6	75	3	.59	.49	.42
512—BD13610STU	TO-126	45	1.5	160	0.15	.36	.31	.22
512—BD13616S	TO-126	45	1.5	250	0.15	.40	.33	.24
512—BD13616STU	TO-126	45	1.5	250	0.15	.40	.33	.24
512—BD17610STU	TO-126	45	3	160	0.15	.37	.30	.22
512—BD240TU	TO-220	45	2	-	1	.57	.47	.35

PNP (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	V_{CEO} (V)	I_C (A)	h_{FE} Max(mA)	h_{FE} TC @IC (A)	Price Each 1	25	100
512—BD244TU	TO-220	45	6	-	0.3	.64	.54	.39
512—KSB744YSTU	TO-126	45	3	320	0.5	.38	.32	.24
512—KSA1244YTU	TO-251	50	5	240	1	.74	.62	.44
512—KSA614YTU	TO-220	55	3	240	0.5	.69	.57	.42
512—BD244A	TO-220	60	6	-	0.3	.71	.60	.43
512—KSB1015OTU	TO-220F	60	3	120	0.5	.69	.57	.42
512—KSB1015YTU	TO-220F	60	3	200	0.5	.69	.57	.42
512—KSB1097YTU	TO-220F	60	7	200	3	1.06	.88	.63
512—KSB1151YSTSTU	TO-126	60	5	320	2	.54	.45	.32
512—KSB1151YSTU	TO-126	60	5	320	2	.54	.45	.32
512—KSB1366GTU	TO-220F	60	3	320	0.5	.69	.57	.42
512—KSB1366YTU	TO-220F	60	3	200	0.5	.66	.55	.39
512—KSB707YTU	TO-220	60	7	200	3	1.06	.89	.63
512—KSB744AYSTU	TO-126	60	3	320	0.5	.35	.29	.20
512—KSE2955T	TO-220	60	10	100	4	.69	.57	.42
512—KSH2955TF	TO-251	60	10	100	4	.66	.55	.40
512—KSH2955TM	TO-251	60	10	100	4	.66	.55	.40
512—MJD2955TF	TO-252	60	10	100	4	.71	.60	.44
512—MJE2955TTU	TO-220	60	10	100	4	.47	.39	.28
512—BD14010STU	TO-126	80	1.5	160	0.15	.36	.30	.21
512—BD14016S	TO-126	80	1.5	250	0.15	.40	.33	.24
512—BD14016STU	TO-126	80	1.5	250	0.15	.40	.33	.24
512—BD238STU	TO-126	80	2	-	0.15	.47	.40	.29
512—BD242B	TO-220	80	3	-	3	.57	.47	.35
512—KSB1017YTU	TO-220F	80	4	240	0.5	.69	.57	.42
512—KSB596OTU	TO-220	80	4	140	0.5	.69	.57	.42
512—KSB596YTU	TO-220	80	4	240	0.5	.69	.57	.42
512—MJD45H11TF	TO-252	80	8	-	2	.73	.61	.44
512—MJE172STU	TO-126	80	3	250	0.1	.36	.29	.21
512—TIP32BTU	TO-220	80	3	50	3	.60	.50	.43
512—TIP42B	TO-220	80	6	75	3	.62	.52	.44
512—BD240CTU	TO-220	100	2	-	1	.63	.52	.38
512—BD244C	TO-220	100	6	-	0.3	.71	.60	.43
512—KSA1010YTU	TO-220	100	7	200	3	1.06	.89	.63
512—KSA1220YSTU	TO-126	120	1.2	320	0.3	.39	.33	.23
512—KSB546O	TO-220	150	2	140	0.4	.69	.57	.42
512—KSB546YTU	TO-220	150	2	240	0.4	.69	.57	.42
512—KSA1220AOS	TO-126	160	1.2	200	0.3	.40	.33	.24
512—KSA1220AYS	TO-126	160	1.2	320	0.3	.43	.36	.26
512—KSA1220AYSTSTU	TO-126	160	1.2	320	0.3	.43	.36	.26
512—KSA1142YSTU	TO-126	180	0.1	320	0.01	.33	.26	.20
512—KSA1406CSTU	TO-126	200	0.1	120	0.01	.36	.29	.20
512—KSA1381ESTU	TO-126	300	0.1	200	0.01	.33	.27	.19
512—KSH350TF	TO-252	300	0.5	240	0.05	.59	.49	.35
512—MJE350STU	TO-126	300	0.5	240	0.05	.35	.29	.21

FAIRCHILD DARLINGTON POWER TRANSISTORS

NPN

For quantities of 500 and up, call for quote.

Mfr. Part Number	Package	V_{CEO} (V)	I_C (A)	h_{FE} Max(mA)	h_{FE} TC @IC (A)	Price Each 1	25	100
512—KSD1222TU	TO-251	40	3	-	1	.63	.52	.39
512—BDW93	TO-220	45	12	20000	5	1.01	.84	.60
512—KSC5047TU	TO-3P	50	15	-	5	1.81	1.52	1.09
512—BDW93A	TO-220	60	12	20000	5	1.01	.84	.60
512—BDX53ATU	TO-220	60	8	-	3	.72	.60	.43
512—KSD1413TU	TO-220F	60	3	-	1	.65	.54	.39
512—KSD1417TU	TO-220F	60	7	15000	3	.71	.60	.43
512—MJE800STU	TO-126	60	4	-	1.5	.43	.37	.26
512—TIP140TU	TO-3P	60	10	-	5	1.54	1.32	1.10
512—BDW93CFTU	TO-220F	100	12	20000	5	1.02	.85	.61
512—BDX33C	TO-220	100	10	-	3	1.00	.84	.60
512—KSD1589RTU	TO-220F	100	5	5000	3	.65	.54	.39
512—KSD1589YTU	TO-220F	100	5	15000	3	.65	.54	.39
512—KSD560RTSTU	TO-220	100	5	5000	3	.68	.57	.42
512—TIP122	TO-220	100	5	-	0.5	.52	.45	.37
512—BU806	TO-220	200	8	-	-	1.02	.84	.62
512—KSD5018TU	TO-220	275	12	-	-	.93	.78	.56

PNP

For quantities of 500 and up, call for quote.

Mfr. Part Number	Package	V_{CEO} (V)	I_C (A)	h_{FE} Max(mA)	h_{FE} TC @IC (A)	Price Each 1	25	100
512—KSB907TU	TO-251	40	3	-	1	.66	.54	.39
512—KSB794OSTU	TO-126	60	1.5	30000	1	.46	.39	.28
512—MJE700STU	TO-126	60	4	-	1.5	.42	.36	.25
512—MJE701STU	TO-126	60	4	-	2	.42	.36	.26
512—BDW94C	TO-220	100	12	20000	5	1.08	.89	.64
512—BDX34C	TO-220	100	10	-	3	1.01	.83	.60
512—KSB1098RTU	TO-220F	100	5	5000	3	.79	.66	.48
512—KSB1098YTU	TO-220F	100	5	15000	3	.79	.66	.48
512—KSB601YTU	TO-220	100	5	15000	3	.82	.68	.48
512—TIP127	TO-220	100	5	-	0.5	.55	.47	.39

FAIRCHILD SWITCHING POWER TRANSISTORS

NPN

For quantities of 500 and up, call for quote.

Mfr. Part Number	Package	V_{CEO} (V)	I_C (A)	h_{FE} Max(mA)	h_{FE} TC @IC (A)	Price Each 1	25	100
512—KSC2752OSTU	TO-126	400	0.5	80	0.05	.43	.36	.26
512—KSC3569YTU	TO-220F	400	2	80	0.1	.61	.50	.37
512—KSE5020S	TO-126	500	3	50	0.3	.68	.57	.42
512—KSC3552OTU	TO-3P	800	12	40	0.8	3.96	3.30	2.38
512—KSC3552RTU	TO-3P	800	12	30	0.8	3.96	3.30	2.38

PNP

For quantities of 500 and up, call for quote.

Mfr. Part Number	Package	V_{CEO} (V)	I_C (A)	h_{FE} Max(mA)	h_{FE} TC @IC (A)	Price Each 1	25	100
512—KSA1156OSTU	TO-126	400	0.5	120	0.1	.37	.30	.21
512—KSA1156YS	TO-126	400	0.5	200	0.1	.36	.30	.21

FAIRCHILD Small Signal Transistors

FAIRCHILD SEMICONDUCTOR
♦ Surface Mount Devic

FAIRCHILD GENERAL PURPOSE SMALL SIGNAL TRANSISTORS

NPN

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	@IC	Price Each 1	25	100	250
512—	KSC2500DTA	TO -92L	10	2	600	500	.14	.12	.08	.06
512—	SS9013FBU	TO-92	20	0.5	135	500	.06	.05	.04	.03
512—	BC239CTA	TO-92	25	0.1	800	2	.06	.05	.04	.03
512—	SS8050CTA	TO-92	25	1.5	200	100	.09	.07	.06	.03
512—	KSP6521BU	TO-92	25	0.1	600	2	.05	.04	.03	.02
512—	SS8050DTA	TO-92	25	1.5	300	100	.09	.07	.06	.03
512—	SS8050BBU	TO-92	25	1.5	160	800	.09	.07	.06	.03
512—	SS8550DBU	TO-92	25	1.5	300	800	.08	.07	.04	.03
512—	2N5089TF	TO-92	25	0.1	1200	10	.05	.04	.03	.02
♦512—	BC849BMTF	SOT-23	30	0.1	450	2	.06	.05	.04	.03
♦512—	BC848BMTF	SOT-23	30	0.1	450	2	.06	.05	.04	.03
♦512—	BC848AMTF	SOT-23	30	0.1	220	2	.06	.05	.04	.03
♦512—	KST5088MTF	SOT-23	30	0.05	900	0.1	.06	.05	.04	.03
♦512—	BC848CMTF	SOT-23	30	0.1	800	2	.06	.05	.04	.03
♦512—	KST3904MTF	SOT-23	40	0.2	300	10	.07	.06	.05	.03
♦512—	KST2222AMTF	SOT-23	40	0.6	300	150	.07	.05	.04	.03
512—	2N3904TA	TO-92	40	0.2	300	50	.21	.19	.14	.12
512—	2N4401BU	TO-92	40	0.6	300	500	.06	.05	.04	.03
♦512—	BC847BMTF	SOT-23	45	0.1	450	2	.06	.05	.04	.03
♦512—	BC850BMTF	SOT-23	45	0.1	450	2	.06	.05	.04	.03
♦512—	BC847CMTF	SOT-23	45	0.1	800	2	.06	.05	.04	.03
512—	SS9014CTA	TO-92	45	0.1	600	1	.07	.06	.04	.03
♦512—	BC847AMTF	SOT-23	45	0.1	220	2	.06	.05	.04	.03
♦512—	BC81716MTF	SOT-23	45	0.8	630	100	.07	.05	.04	.03
♦512—	BC850CMTF	SOT-23	45	0.1	800	2	.06	.05	.04	.03
512—	SS9014ABU	TO-92	45	0.1	150	100	.07	.06	.04	.03
512—	SS9014BBU	TO-92	45	0.1	300	100	.07	.06	.04	.03
512—	KSC1008CYTA	TO-92	60	0.7	240	50	.10	.06	.05	.03
♦512—	KST05MTF	SOT-23	60	0.5	-	100	.08	.07	.04	.03
♦512—	BC846BMTF	SOT-23	65	0.1	450	2	.06	.05	.04	.03
♦512—	BC846CMTF	SOT-23	65	0.1	800	2	.06	.05	.04	.03
♦512—	KST06MTF	SOT-23	80	0.5	-	100	.08	.07	.04	.03
♦512—	KST5550MTF	SOT-23	140	0.6	250	10	.09	.06	.05	.03
♦512—	KST5551MTF	SOT-23	160	0.6	250	10	.09	.06	.05	.03
512—	2N5551TA	TO-92	160	0.6	250	50	.19	.16	.12	.10
512—	KSP43TA	TO-92	200	0.5	-	30	.09	.08	.07	.06
♦512—	KST43MTF	SOT-23	200	0.5	-	30	.08	.07	.04	.03
512—	KSP42TA	TO-92	300	0.5	-	30	.09	.08	.07	.06
♦512—	KST42MTF	SOT-23	300	0.5	-	30	.08	.07	.04	.03
512—	2N6517BU	TO-92	350	0.5	200	50	.11	.08	.06	.05
512—	KSP44TA	TO-92	400	0.3	200	10	.13	.10	.07	.06
512—	KSC2500BBU	TO-92L	10	2	330	2000	.14	.12	.08	.06
512—	KSC2500BTA	TO-92L	10	2	330	2000	.14	.12	.08	.06
512—	KSC2500CBU	TO-92L	10	2	450	2000	.14	.12	.08	.06
512—	KSC2500CTA	TO-92L	10	2	450	2000	.14	.12	.08	.06
512—	KSC2500DBU	TO-92L	10	2	600	2000	.14	.12	.08	.06
♦512—	KSC2982ATF	SOT-89	10	2	240	2000	.26	.22	.17	.14
♦512—	KSC2982BTF	SOT-89	10	2	330	2000	.33	.27	.19	.16
♦512—	KSC2982CTF	SOT-89	10	2	450	2000	.26	.22	.17	.14
♦512—	KSC2982DTF	SOT-89	10	2	600	2000	.26	.22	.17	.14
512—	KSC5019MBU	TO-92	10	2	330	2000	.09	.07	.05	.04
512—	KSC5019MTA	TO-92	10	2	330	2000	.09	.08	.05	.04
512—	KSC5019NTA	TO-92	10	2	450	2000	.08	.06	.05	.04
512—	2N5830	TO-92	100	0.2	500	50	.12	.11	.06	.05
512—	TN6718A	TO-226	100	1.2	250	250	.34	.29	.21	.17
512—	ZTX614	TO-226	100	-	-	800	.47	.43	.32	.24
♦512—	BSV52	SOT-23	12	0.2	120	50	.06	.05	.04	.03
♦512—	FJV1845EMTF	SOT-23	120	0.05	800	10	.06	.05	.04	.03
♦512—	FJV1845FMTF	SOT-23	120	0.05	600	10	.06	.05	.04	.03
♦512—	FJV1845PMTF	SOT-23	120	0.05	400	10	.06	.05	.04	.03
♦512—	FJV1845UMTF	SOT-23	120	0.05	1200	10	.06	.05	.04	.03
512—	KSC1845EBU	TO-92	120	0.05	800	10	.07	.06	.05	.03
512—	KSC1845ETA	TO-92	120	0.05	800	10	.06	.05	.04	.03
512—	KSC1845FBU	TO-92	120	0.05	600	10	.07	.06	.05	.03
512—	KSC1845FTA	TO-92	120	0.05	600	10	.07	.06	.05	.03
512—	KSC1845PBU	TO-92	120	0.05	400	10	.07	.06	.05	.03
512—	KSC1845PTA	TO-92	120	0.05	400	10	.07	.06	.04	.03
512—	KSC1845UBU	TO-92	120	0.05	1200	10	.06	.05	.04	.02
512—	KSC2316OTA	TO-92L	120	0.8	160	500	.13	.11	.07	.05
512—	KSC2316YBU	TO-92L	120	0.8	240	500	.82	.65	.40	.27
512—	KSC2316YTA	TO-92L	120	0.8	240	500	.82	.65	.40	.27
512—	KSC2784FBU	TO-92S	120	0.05	600	10	.08	.07	.04	.03
512—	KSC2784FTA	TO-92S	120	0.05	600	10	.08	.07	.04	.03
512—	KSC2784PBU	TO-92S	120	0.05	400	10	.08	.07	.04	.03
♦512—	KSC2881OTF	SOT-89	120	0.8	160	500	.25	.20	.14	.11
♦512—	KSC2881YTF	SOT-89	120	0.8	240	500	.25	.20	.14	.11
512—	MPSL01	TO-92	120	0.2	300	50	.11	.09	.07	.06
512—	KSC1009OBU	TO-92	140	0.7	140	200	.08	.06	.05	.04
512—	KSC1009OTA	TO-92	140	0.7	140	200	.06	.05	.04	.03
512—	KSC1009YTA	TO-92	140	0.7	240	200	.06	.05	.04	.03
512—	2N5769	TO-92	15	0.2	120	100	.10	.08	.06	.05
♦512—	MMBT2369	SOT-23	15	-	120	10	.07	.06	.05	.04
♦512—	MMBT2369A	SOT-23	15	0.2	120	100	.07	.06	.05	.04
♦512—	MMBT3646	SOT-23	15	0.3	120	300	.06	.05	.04	.03
512—	PN2369	TO-92	15	-	120	10	.09	.07	.05	.04

NPN (cont.)

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MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	@IC	Price Each 1	25	100	250
512—	PN2369A	TO-92	15	0.2	120	100	.09	.07	.05	.04
512—	PN3646	TO-92	15	-	120	100	.10	.08	.06	.05
512—	PN4275	TO-92	15	0.2	120	100	.11	.09	.06	.05
512—	KSC2310OBU	TO-92L	150	0.05	140	10	.11	.08	.06	.05
512—	KSC2310OTA	TO-92L	150	0.05	140	10	.11	.08	.06	.05
512—	KSC2310RBU	TO-92L	150	0.05	80	10	.11	.08	.06	.05
512—	KSC2310RNBU	TO-92L	150	0.05	80	10	.10	.09	.05	.04
512—	KSC2310RTA	TO-92L	150	0.05	80	10	.11	.08	.06	.05
512—	KSC2310YBU	TO-92L	150	0.05	240	10	.11	.08	.06	.05
512—	KSC2310YNBU	TO-92L	150	0.05	240	10	.10	.09	.05	.04
512—	KSC2310YTA	TO-92L	150	0.05	240	10	.11	.08	.06	.05
♦512—	MMBT5550	SOT-23	150	0.6	250	50	.07	.06	.04	.03
512—	KSC2383OBU	TO-92L	160	1	200	500	.17	.14	.09	.07
512—	KSC2383OTA	TO-92L	160	1	200	500	.17	.14	.09	.07
512—	KSC2383YBU	TO-92L	160	1	320	500	.17	.14	.09	.07
512—	KSC2383YTA	TO-92L	160	1	320	500	.17	.14	.09	.07
♦512—	MMBT5551	SOT-23	160	0.6	250	50	.08	.07	.05	.04
512—	BC368	TO-92	20	2	375	1000	.16	.13	.09	.07
♦512—	BCP68	SOT-223	20	2	375	1	.31	.25	.19	.15
♦512—	BCX20	SOT-23	20	-	600	500	.12	.10	.06	.05
♦512—	FJC2098QTF	SOT-89	20	5	270	4	.25	.21	.16	.13
♦512—	FJC2098RTF	SOT-89	20	5	390	4	.25	.21	.16	.13
512—	FJN5471TA	TO-92	20	5	1000	3000	.09	.08	.07	.06
512—	FJN965TA	TO-92	20	5	600	3000	.52	.40	.24	.12
512—	KSC2710GTA	TO-92S	20	0.5	400	500	.10	.07	.06	.05
512—	KSC2710YBU	TO-92S	20	0.5	240	500	.08	.06	.05	.04
512—	KSC2710YTA	TO-92S	20	0.5	240	500	.10	.07	.06	.05
512—	KSD261CGBU	TO-92	20	0.5	400	500	.09	.07	.05	.04
512—	KSD261CGTA	TO-92	20	0.5	400	500	.09	.07	.05	.04
512—	KSD261CYBU	TO-92	20	0.5	240	500	.09	.07	.05	.04
512—	KSD261CYTA	TO-92	20	0.5	240	500	.09	.07	.05	.04
512—	KSD261GBU	TO-92	20	0.5	400	500	.09	.07	.05	.04
512—	KSD261GTA	TO-92	20	0.5	400	500	.09	.07	.05	.04
512—	KSD261YBU	TO-92	20	0.5	240	500	.09	.07	.05	.04
512—	KSD261YTA	TO-92	20	0.5	240	500	.09	.07	.05	.04
512—	KSD5041PBU	TO-92	20	5	270	3000	.09	.08	.05	.04
512—	KSD5041PTA	TO-92	20	5	270	3000	.09	.07	.05	.04
512—	KSD5041QBU	TO-92	20	5	380	3000	.09	.08	.05	.04
512—	KSD5041QTA	TO-92	20	5	380	3000	.09	.07	.05	.04
512—	KSD5041RBU	TO-92	20	5	600	3000	.09	.08	.05	.04
512—	KSD5041RTA	TO-92	20	5	600	3000	.09	.07	.05	.04
512—	MPSA43	TO-92	200	0.2	200	20	.20	.16	.11	.08
512—	2N3390	TO-92	25	0.5	800	-	.12	.11	.06	.05
512—	2N3391A	TO-92	25	0.5	500	-	.12	.11	.06	.05
512—	2N3392	TO-92	25	0.5	300	-	.12	.11	.06	.05
512—	2N3393	TO-92	25	0.5	180	-	.11	.09	.06	.05
512—	2N3415	TO-92	25	0.5	540	50	.11	.10	.06	.05
512—	2N5172	TO-92	25	0.5	500	10	.06	.05	.04	.03
512—	BC238	TO-92	25	0.1	800	100	.10	.09	.05	.04
512—	BC338	TO-92	25	0.8	630	500	.21	.17	.11	.09
♦512—	FSB649	SuperSOT-3	25	3	300	3000	.23	.20	.17	.15
♦512—	FZT649	SOT-223	25	3	300	3000	.37	.29	.26	.22
512—	KSC2001GBU	TO-92	25	0.7	400	700	.08	.06	.04	.03
512—	KSC2001GTA	TO-92	25	0.7	400	700	.08	.06	.04	.03
512—	KSC2001OBU	TO-92	25	0.7	180	700	.08	.06	.05	.04
512—	KSC2001YBU	TO-92	25	0.7	270	700	.10	.06	.05	.03
512—	KSC2001YTA	TO-92	25	0.7	270	700	.10	.06	.05	.03
♦512—	KSC3265OMTF	SOT-23	25	0.8	200	500	.08	.07	.04	.03
♦512—	KSC3265YMTF	SOT-23	25	0.8	320	500	.08	.07	.04	.03
512—	KSC3488GBU	TO-92S	25	0.3	400	300	.06	.05	.04	.03
512—	KSC3488GTA	TO-92S	25	0.3	400	300	.06	.05	.04	.03
512—	KSC3488OBU	TO-92S	25	0.3	140	300	.06	.05	.04	.03
512—	KSC3488OTA	TO-92S	25	0.3	140	300	.06	.05	.04	.03
512—	KSC3488YBU	TO-92S	25	0.3	240	300	.06	.05	.04	.03
512—	KSC3488YTA	TO-92S	25	0.3	240	300	.06	.05	.04	.03
512—	KSC900CGTA	TO-92	25	0.05	400	20	.07	.06	.04	.03
512—	KSC900CYTA	TO-92	25	0.05	240	20	.07	.06	.04	.03
512—	KSC900GTA	TO-92	25	0.05	400	20	.07	.06	.04	.03
512—	KSC900LBU	TO-92	25	0.05	700	20	.07	.06	.04	.03
512—	KSC900LTA	TO-92	25	0.05	700	20	.07	.06	.04	.03
512—	KSD1020GBU	TO-92S	25	0.7	400	700	.07	.06	.05	.04
512—	KSD1020GTA	TO-92S	25	0.7	400	700	.07	.06	.05	.04
512—	KSD1020YBU	TO-92S	25	0.7	240	700	.07	.06	.05	.04
512—	KSD1020YTA	TO-92S	25	0.7	240	700	.07	.06	.05	.04
♦512—	KSD1621RTF	SOT-89	25	2	200	1500	.35	.27	.20	.17
♦512—	KSD1621STF	SOT-89	25	2	280	1500	.35	.27	.20	.17
♦512—	KSD1621TTF	SOT-89	25	2	400	1500	.35	.27	.20	.17
♦512—	KSD1621UTF	SOT-89	25	2	560	1500	.25	.21	.16	.13
512—	KSD227GBU	TO-92	25	0.3	400	300	.06	.05	.04	.03
512—	KSD227GTA	TO-92	25	0.3	400	300	.06	.05	.04	.03
512—	KSD227YBU	TO-92	25	0.3	240	300	.06	.05	.04	.03
512—	KSD227YTA	TO-92	25	0.3	240	300	.06	.05	.04	.03
♦512—	MMBT4124	SOT-23	25	0.2	360	50	.06	.05	.04	.03
♦512—	MMBT5089	SOT-23	25	0.1	1200	10	.07	.05	.04	.03

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For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	h_{FE} (mA) @IC	Price Each 1	25	100	250
12—MMBT6515	SOT-23	25	-	500	50	.07	.05	.04	.03
12—MPS6514	TO-92	25	-	300	50	.11	.08	.06	.04
12—MPS6515	TO-92	25	-	500	50	.11	.08	.06	.04
12—MPS6521	TO-92	25	-	600	50	.10	.09	.05	.04
12—PN3565	TO-92	25	0.5	600	1	.11	.09	.06	.04
12—TN3440A	TO-226	250	0.1	160	50	.64	.51	.39	.29
12—2N3704	TO-92	30	0.5	300	100	.11	.10	.06	.05
12—2N4953	TO-92	30	1	600	150	.09	.07	.06	.05
12—BC183	TO-92	30	0.1	-	100	.52	.40	.24	.12
12—BC183C	TO-92	30	0.1	800	100	.52	.40	.24	.12
12—BC183LC	TO-92	30	0.1	850	100	.52	.40	.24	.12
12—BC184	TO-92	30	0.5	-	100	.52	.40	.24	.12
12—BC184C	TO-92	30	0.5	800	10	.52	.40	.24	.12
12—BC184L	TO-92	30	0.5	-	100	.52	.40	.24	.12
12—BC184LC	TO-92	30	0.2	-	100	.52	.40	.24	.12
12—BC549	TO-92	30	0.1	800	100	.24	.20	.14	.10
12—BSR13	SOT-23	30	0.5	300	500	.07	.06	.04	.03
12—FJC1963QTF	SOT-89	30	3	270	1500	.24	.20	.15	.13
12—FJC1963RTF	SOT-89	30	3	390	1500	.24	.20	.15	.13
12—FJC1963STF	SOT-89	30	3	560	1500	.24	.20	.15	.13
12—FMMT449	SuperSOT-3	30	1	300	2000	.13	.12	.08	.06
12—FPN330	TO-226	30	3	-	1000	.33	.27	.20	.17
12—FPN330A	TO-226	30	3	-	1000	.41	.34	.23	.20
12—FPN530	TO-226	30	3	-	1000	.40	.34	.26	.21
12—FPN530A	TO-226	30	3	-	1000	.40	.34	.26	.21
12—KSC2328AOBU	TO-92	30	2	200	1500	.12	.10	.07	.05
12—KSC2328AOTA	TO-92	30	2	200	1500	.12	.10	.07	.05
12—KSC2328AYBU	TO-92	30	2	320	1500	.13	.11	.08	.06
12—KSC2328AYTA	TO-92	30	2	320	1500	.12	.10	.07	.05
12—KSC2859OMTF	SOT-23	30	0.5	140	100	.10	.06	.05	.03
12—KSC2859YMTF	SOT-23	30	0.5	240	100	.10	.06	.05	.03
12—KSC2883OTF	SOT-89	30	1.5	200	1500	.35	.27	.20	.17
12—KSC2883YTF	SOT-89	30	1.5	320	1500	.25	.21	.16	.13
12—KSC839CYTA	TO-92	30	0.1	240	10	.07	.06	.04	.03
12—KSC839YBU	TO-92	30	0.1	240	10	.07	.06	.04	.03
12—KSD1021GBU	TO-92S	30	1	400	1000	.08	.06	.04	.03
12—KSD1021GTA	TO-92S	30	1	400	1000	.08	.06	.04	.03
12—KSD1021YBU	TO-92S	30	1	240	1000	.08	.06	.04	.03
12—KSD1021YTA	TO-92S	30	1	240	1000	.08	.06	.04	.03
12—KSD471ACGBU	TO-92	30	1	400	1000	.08	.07	.04	.03
12—KSD471ACGTA	TO-92	30	1	400	1000	.08	.07	.04	.03
12—KSD471ACYBU	TO-92	30	1	240	1000	.08	.07	.04	.03
12—KSD471ACYTA	TO-92	30	1	240	1000	.08	.07	.04	.03
12—KSD471AGBU	TO-92	30	1	400	1000	.08	.07	.04	.03
12—KSD471AGTA	TO-92	30	1	400	1000	.08	.07	.04	.03
12—KSD471AYTA	TO-92	30	1	240	1000	.08	.07	.04	.03
12—MMBT2222	SOT-23	30	-	-	150	.06	.05	.04	.03
12—MMBT5088	SOT-23	30	0.1	900	10	.07	.05	.04	.03
12—MPS6513	TO-92	30	-	180	50	.11	.08	.06	.05
12—NZT6714	SOT-223	30	2	250	1000	.22	.19	.16	.12
12—PN3566	TO-92	30	0.6	600	100	.11	.09	.06	.05
12—PN3643	TO-92	30	0.5	300	150	.11	.10	.06	.05
12—PN4141	TO-92	30	0.5	300	500	.11	.10	.06	.05
12—TN6714A	TO-226	30	2	250	1000	.38	.32	.23	.19
12—KSC2330OBU	TO-92L	300	0.1	140	10	.10	.08	.06	.05
12—KSC2330ONBU	TO-92L	300	0.1	140	10	.10	.08	.06	.05
12—KSC2330OSHTA	TO-92L	300	0.1	140	10	.11	.09	.07	.05
12—KSC2330OTA	TO-92L	300	0.1	140	10	.10	.08	.06	.05
12—KSC2330RBU	TO-92L	300	0.1	80	10	.10	.08	.06	.05
12—KSC2330RTA	TO-92L	300	0.1	80	10	.10	.08	.06	.05
12—KSC2330YBU	TO-92L	300	0.1	240	10	.10	.08	.06	.05
12—KSC2330YNBU	TO-92L	300	0.1	240	10	.10	.08	.06	.05
12—KSC2330YTA	TO-92L	300	0.1	240	10	.10	.08	.06	.05
12—MMBTA42	SOT-23	300	0.5	-	20	.12	.10	.06	.05
12—MPSA42	TO-92	300	0.5	-	20	.14	.12	.08	.07
12—PZTA42	SOT-223	300	0.5	-	20	.30	.25	.19	.15
12—TN6719A	TO-226	300	0.2	200	30	.38	.32	.22	.19
12—BCW31	SOT-23	32	0.5	220	10	.07	.05	.04	.03
12—BCW32	SOT-23	32	0.5	450	10	.10	.08	.07	.06
12—BCW33	SOT-23	32	0.5	800	10	.07	.05	.04	.03
12—BCW60A	SOT-23	32	0.1	220	50	.06	.05	.04	.03
12—BCW60B	SOT-23	32	0.1	310	50	.06	.05	.04	.03
12—BCW60C	SOT-23	32	0.1	460	50	.06	.05	.04	.03
12—BCW60D	SOT-23	32	0.1	630	50	.06	.05	.04	.03
12—2N6517TA	TO-92	350	0.5	200	50	.12	.09	.06	.05
12—2N3903	TO-92	40	0.2	150	50	.11	.10	.06	.05
12—BSR14	SOT-23	40	0.8	300	500	.07	.05	.04	.03
12—BSR17A	SOT-23	40	0.2	300	50	.06	.05	.04	.03
12—BSS79C	SOT-23	40	0.8	300	150	.07	.05	.04	.03
12—FJX2222ATF	SOT-323	40	0.6	300	500	.07	.06	.05	.04
12—FJX3904TF	SOT-323	40	0.2	300	50	.09	.07	.06	.05
12—MMBT2222A	SOT-23	40	1	300	500	.06	.05	.04	.03
12—MMBT3904	SOT-23	40	0.2	300	50	.06	.05	.04	.03
12—MMBT4400	SOT-23	40	0.6	150	500	.06	.05	.04	.03
12—MMBT4401	SOT-23	40	0.6	300	500	.06	.05	.04	.03

NPN (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	h_{FE} (mA) @IC	Price Each 1	25	100	250
512—MPS6531	TO-92	40	1	270	100	.09	.08	.05	.04
512—MPSA20	TO-92	40		400	10	.12	.10	.06	.04
512—MPSW3725	TO-226	40	1.2	180	1000	.40	.32	.25	.19
♦512—NZT6715	SOT-223	40	1.5	250	1000	.21	.18	.16	.13
512—PN3567	TO-92	40	0.6	120	150	.11	.09	.06	.05
512—PN3569	TO-92	40	0.5	300	150	.11	.09	.06	.05
♦512—PZT2222A	SOT-223	40	1	300	500	.22	.19	.16	.13
♦512—PZT3904	SOT-223	40	0.2	300	50	.24	.20	.15	.12
512—TIS97	TO-92	40	0.5	700	-	.10	.08	.07	.04
512—TN2219A	TO-226	40	1	300	500	.21	.18	.13	.09
512—TN6715A	TO-226	40	1.5	250	1000	.40	.34	.23	.20
♦512—FJT44TF	SOT-223	400	0.3	200	50	.32	.27	.22	.20
512—2N5962	TO-92	45	0.1	1400	10	.14	.11	.08	.06
512—BC237	TO-92	45	0.1	800	100	.11	.10	.06	.05
512—BC337	TO-92	45	0.8	630	500	.36	.30	.20	.14
512—BC547	TO-92	45	0.1	800	100	.24	.20	.14	.10
512—BC550	TO-92	45	0.1	800	100	.24	.20	.14	.10
512—BC635	TO-92	45	1	250	500	.17	.15	.11	.07
♦512—BCP54	SOT-223	45	1.5	250	500	.29	.24	.18	.15
♦512—BCW66G	SOT-23	45	1	400	500	.07	.06	.04	.03
♦512—BCW71	SOT-23	45	0.5	220	10	.07	.05	.04	.03
♦512—BCX19	SOT-23	45	0.5	600	500	.12	.10	.06	.05
♦512—BCX70G	SOT-23	45	0.2	220	50	.07	.05	.04	.03
♦512—BCX70H	SOT-23	45	0.2	310	50	.07	.05	.04	.03
♦512—BCX70J	SOT-23	45	0.2	460	50	.06	.05	.04	.03
♦512—BCX70K	SOT-23	45	0.2	630	50	.06	.05	.04	.03
♦512—MMBT100	SOT-23	45	0.5	450	200	.07	.05	.04	.03
♦512—MMBT100A	SOT-23	45	0.5	600	200	.07	.05	.04	.03
♦512—MMBT5962	SOT-23	45	0.1	1400	10	.07	.05	.04	.03
512—MPSA18	TO-92	45	0.1	1500	50	.13	.10	.08	.06
512—PN100	TO-92	45	0.5	450	200	.11	.10	.06	.05
512—PN100A	TO-92	45	0.5	600	200	.12	.10	.07	.06
512—PN3642	TO-92	45	0.5	120	150	.11	.10	.06	.05
512—PN930	TO-92	45	0.1	300	10	.13	.11	.08	.06
512—TN6705A	TO-226	45	1.5	250	1000	.35	.29	.21	.17
512—2N3416	TO-92	50	0.5	225	50	.11	.09	.06	.05
512—2N3417	TO-92	50	0.5	540	50	.11	.09	.06	.05
512—BC182	TO-92	50	0.5	-	100	.52	.40	.24	.12
512—BC182B	TO-92	50	0.5	-	100	.52	.40	.24	.12
512—BC182L	TO-92	50	0.5	-	100	.52	.40	.24	.12
512—BC182LA	TO-92	50	0.5	-	100	.52	.40	.24	.12
512—BC182LB	TO-92	50	0.1	-	100	.52	.40	.24	.12
♦512—FJX945GTF	SOT-323	50	0.15	400	100	.07	.06	.05	.04
♦512—FJX945OTF	SOT-323	50	0.15	140	100	.07	.06	.05	.04
♦512—FJX945YTF	SOT-323	50	0.15	240	100	.07	.06	.05	.04
♦512—FJZ945GTF	SOT-623F	50	0.15	400	100	.13	.10	.08	.06
♦512—FJZ945LTF	SOT-623F	50	0.15	700	100	.13	.10	.08	.06
♦512—FJZ945OTF	SOT-623F	50	0.15	140	100	.09	.08	.06	.05
♦512—FJZ945YTF	SOT-623F	50	0.15	240	100	.09	.08	.06	.05
♦512—FSB619	SuperSOT-3	50	2	-	2000	.26	.21	.19	.16
♦512—KSC1623GMTF	SOT-23	50	0.1	400	100	.06	.05	.04	.03
♦512—KSC1623LMTF	SOT-23	50	0.1	600	100	.06	.05	.04	.03
♦512—KSC1623OMTF	SOT-23	50	0.1	180	100	.06	.05	.04	.03
♦512—KSC1623YMTF	SOT-23	50	0.1	270	100	.06	.05	.04	.03
512—KSC1815GRBU	TO-92	50	0.15	400	100	.06	.05	.04	.03
512—KSC1815GRTA	TO-92	50	0.15	400	100	.06	.05	.04	.03
512—KSC1815YBU	TO-92	50	0.15	240	100	.06	.05	.04	.03
512—KSC1815YTA	TO-92	50	0.15	240	100	.06	.05	.04	.03
512—KSC2785GBU	TO-92S	50	0.15	400	100	.08	.07	.04	.03
512—KSC2785GTA	TO-92S	50	0.15	400	100	.08	.07	.04	.03
512—KSC2785LTA	TO-92S	50	0.15	700	100	.08	.07	.04	.03
512—KSC2785OBU	TO-92S	50	0.15	140	100	.08	.07	.04	.03
512—KSC2785OTA	TO-92S	50	0.15	140	100	.08	.07	.04	.03
512—KSC2785YBU	TO-92S	50	0.15	240	100	.08	.07	.04	.03
512—KSC2785YTA	TO-92S	50	0.15	240	100	.08	.07	.04	.03
512—KSC945CGBU	TO-92	50	0.15	400	100	.06	.05	.04	.03
512—KSC945CGTA	TO-92	50	0.15	400	100	.06	.05	.04	.03
512—KSC945CLTA	TO-92	50	0.15	700	100	.06	.05	.04	.03
512—KSC945COTA	TO-92	50	0.15	140	100	.06	.05	.04	.03
512—KSC945CYBU	TO-92	50	0.15	240	100	.06	.05	.04	.03
512—KSC945CYTA	TO-92	50	0.15	240	100	.06	.05	.04	.03
512—KSC945GBU	TO-92	50	0.15	400	100	.06	.05	.04	.03
512—KSC945GTA	TO-92	50	0.15	400	100	.06	.05	.04	.03
512—KSC945LBU	TO-92	50	0.15	700	100	.06	.05	.04	.03
512—KSC945LTA	TO-92	50	0.15	700	100	.06	.05	.04	.03
512—KSC945OBU	TO-92	50	0.15	140	100	.05	.04	.03	.02
512—KSC945OTA	TO-92	50	0.15	140	100	.06	.05	.04	.03
512—KSC945YBU	TO-92	50	0.15	240	100	.06	.05	.04	.03
512—KSC945YTA	TO-92	50	0.15	240	100	.06	.05	.04	.03
512—KSD1616GBU	TO-92	50	1	400	1000	.09	.08	.05	.04
512—KSD1616GTA	TO-92	50	1	400	1000	.09	.08	.05	.04
512—KSD1616LBU	TO-92	50	1	600	1000	.09	.08	.05	.04
512—KSD1616YBU	TO-92	50	1	270	1000	.09	.08	.05	.04
512—KSD1616YTA	TO-92	50	1	270	1000	.09	.08	.05	.04
♦512—MMBT3416	SOT-23	50	0.5	225	50	.06	.05	.04	.03

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NPN

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MOUSER STOCK NO. / Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	h_{FE} (mA) @IC	Price Each 1	25	100	250
♦512—MMBT5210	SOT-23	50	0.5	600	10	.07	.05	.04	.03
♦512—MMBT6428	SOT-23	50	0.5	650	100	.07	.05	.04	.03
512—2N3859A	TO-92	60	0.5	200	-	.11	.09	.06	.05
512—2N5961	TO-92	60	0.1	700	10	.11	.09	.06	.05
512—BC337A	TO-92	60	-	400	500	.34	.28	.17	.13
512—BC637	TO-92	60	1	160	500	.16	.14	.10	.07
♦512—BCP55	SOT-223	60	1.5	250	500	.29	.24	.18	.15
♦512—BCV71	SOT-23	60	-	220	10	.07	.05	.04	.03
512—FPN560	TO-226	60	3	300	2000	.46	.39	.28	.22
512—FPN560A	TO-226	60	3	550	2000	.48	.41	.31	.23
♦512—FSB560	SuperSOT-3	60	2	300	2000	.20	.17	.15	.11
♦512—FSB560A	SuperSOT-3	60	2	550	2000	.26	.22	.19	.16
512—KSC1008GBU	TO-92	60	0.7	400	500	.10	.06	.05	.03
512—KSC1008GTA	TO-92	60	0.7	400	500	.10	.06	.05	.03
512—KSC1008OBU	TO-92	60	0.7	140	500	.10	.06	.05	.03
512—KSC1008OTA	TO-92	60	0.7	140	500	.10	.06	.05	.03
512—KSC1008RBU	TO-92	60	0.7	80	500	.10	.06	.05	.03
512—KSC1008RTA	TO-92	60	0.7	80	500	.10	.06	.05	.03
512—KSC1008YBU	TO-92	60	0.7	240	500	.10	.06	.05	.03
512—KSC1008YTA	TO-92	60	0.7	240	500	.10	.06	.05	.03
512—KSC1008YTF	TO-92	60	0.7	240	500	.10	.06	.05	.03
512—KSC2331OBU	TO-92	60	0.7	140	500	.11	.09	.06	.05
512—KSC2331OTA	TO-92	60	0.7	140	500	.11	.09	.06	.05
512—KSC2331YBU	TO-92	60	0.7	240	500	.11	.09	.06	.05
512—KSC2331YTA	TO-92	60	0.7	240	500	.13	.11	.08	.06
512—KSD1616AGBU	TO-92	60	1	400	1000	.09	.08	.05	.04
512—KSD1616AGTA	TO-92	60	1	400	1000	.09	.08	.05	.04
512—KSD1616ALBU	TO-92	60	1	600	1000	.09	.08	.05	.04
512—KSD1616ALTA	TO-92	60	1	600	1000	.09	.08	.05	.04
512—KSD1616AYBU	TO-92	60	1	270	1000	.09	.08	.05	.04
512—KSD1616AYTA	TO-92	60	1	270	1000	.09	.08	.05	.04
♦512—MMBT2484	SOT-23	60	0.1	500	1	.07	.05	.04	.03
♦512—MMBTA05	SOT-23	60	-	-	100	.08	.07	.05	.03
512—MPS651	TO-92	60	-	-	1000	.17	.14	.11	.08
512—MPS8098	TO-92	60	0.5	300	100	.11	.09	.06	.04
512—MPSA05	TO-92	60	-	-	100	.13	.10	.07	.05
♦512—NZT560	SOT-223	60	3	300	3000	.43	.36	.26	.20
♦512—NZT560A	SOT-223	60	3	550	3000	.31	.27	.23	.19
♦512—NZT651	SOT-223	60	4	-	2000	.48	.41	.35	.29
512—PN2484	TO-92	60	0.1	500	1	.12	.09	.07	.06
512—PN3568	TO-92	60	1	120	150	.20	.18	.13	.12
512—TN6716A	TO-226	60	2	250	250	.40	.34	.23	.20
512—BC546	TO-92	65	0.1	800	100	.24	.20	.14	.10
512—2N4410	TO-92	80	0.2	400	1	.20	.17	.12	.10
512—BC639	TO-92	80	1	160	500	.18	.16	.10	.08
512—BC63916	TO-92	80	-	250	500	.18	.16	.10	.08
♦512—BCP56	SOT-223	80	1.2	250	500	.31	.25	.18	.15
♦512—BSS64	SOT-23	80	200	-	50	.09	.08	.05	.04
♦512—FZT3019	SOT-223	80	-	-	150	.24	.20	.18	.15
♦512—MMBTA06	SOT-23	80	0.5	-	100	.10	.08	.06	.05
512—MPSA06	TO-92	80	0.5	-	100	.13	.11	.07	.06
512—MPSW06	TO-226	80	0.5	-	100	.41	.34	.26	.20
♦512—NZT6717	SOT-223	80	1.2	250	250	.22	.19	.17	.12
♦512—PZTA06	SOT-223	80	0.5	-	100	.30	.25	.19	.15
512—TN3019A	TO-226	80	1	300	500	.39	.32	.24	.19
512—TN6707A	TO-226	80	-	250	1000	.41	.34	.26	.20
512—TN6717A	TO-226	80	1.2	250	250	.44	.38	.26	.21

PNP

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MOUSER STOCK NO. / Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	h_{FE} (mA) @IC	Price Each 1	25	100	250
512—KSA643CYTA	TO-92	20	0.5	240	100	.08	.07	.04	.03
512—KSB564ACGTA	TO-92	25	1	400	100	.09	.07	.06	.04
512—SS8550DTA	TO-92	25	1.5	300	100	.08	.07	.04	.03
512—BC309CBU	TO-92	25	0.1	800	10	.06	.05	.04	.03
♦512—KST4125MTF	SOT-23	30	0.2	150	2	.09	.06	.05	.03
♦512—BC859AMTF	SOT-23	30	0.1	220	2	.06	.05	.04	.03
♦512—BC858CMTF	SOT-23	30	0.1	800	2	.06	.05	.04	.03
♦512—KST3906MTF	SOT-23	40	0.2	300	10	.09	.06	.05	.03
♦512—KST4403MTF	SOT-23	40	0.6	300	150	.10	.06	.05	.03
512—2N3906TA	TO-92	40	0.2	300	50	.22	.19	.15	.12
512—2N4403TA	TO-92	40	0.6	300	500	.19	.16	.12	.10
♦512—BC860BMTF	SOT-23	45	0.1	450	2	.06	.05	.04	.03
♦512—BC857BMTF	SOT-23	45	0.1	450	2	.06	.05	.04	.03
♦512—BC857AMTF	SOT-23	45	0.1	220	2	.06	.05	.04	.03
512—KSA733CGTA	TO -92	50	0.15	400	1	.06	.05	.04	.03
512—KSA733CYTA	TO -92	50	0.15	240	1	.06	.05	.04	.03
♦512—KST5086MTF	SOT-23	50	0.05	500	0.1	.06	.05	.04	.03
512—KSP8598TA	TO-92	60	0.5	300	1	.07	.06	.05	.03
♦512—KST2907AMTF	SOT-23	60	0.6	300	150	.08	.06	.05	.03
♦512—KST55MTF	SOT-23	60	0.5	-	100	.07	.06	.04	.03
512—KSP2907ACTA	TO-92	60	0.6	300	150	.09	.08	.06	.05
♦512—BC856CMTF	SOT-23	65	0.1	800	2	.06	.05	.04	.03
512—KSP56TA	TO-92	80	0.5	-	10	.08	.07	.04	.03

PNP (cont.)

For quantities of 500 and up, call for quo

MOUSER STOCK NO. / Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	h_{FE} (mA) @IC	Price Each 1	25	100	2
512—KSA1174FTA	TO -92S	120	0.05	600	1	.09	.08	.07	.0
512—KSA1174PTA	TO -92S	120	0.05	400	1	.09	.08	.07	.0
♦512—KST5401MTF	SOT-23	150	0.5	240	10	.08	.06	.05	.0
512—2N5401TA	TO-92	150	0.6	240	50	.19	.16	.12	.1
♦512—KST93MTF	SOT-23	200	0.5	-	30	.09	.08	.07	.0
512—KSP92TA	TO-92	272	0.5	-	10	.08	.07	.04	.0
♦512—KST92MTF	SOT-23	272	0.5	-	30	.09	.08	.07	.0
512—2N6520BU	TO-92	350	0.5	200	50	.07	.06	.04	.0
512—KSP94TA	TO-92	400	0.3	272	10	.13	.10	.07	.0
512—PN5134	TO-92	10	0.5	150	10	.10	.09	.06	.0
♦512—BSS63	SOT-23	100	0.2	-	25	.09	.08	.06	.0
512—MPSL51	TO-92	100	0.2	250	50	.11	.09	.06	.0
♦512—NZT753	SOT-223	100	-	300	1000	.41	.33	.30	.2
♦512—MMBT3640	SOT-23	12	0.2	120	50	.67	.66	.65	.6
512—PN3640	TO-92	12	0.2	120	50	.65	.63	.60	.5
512—PN4258	TO-92	12	0.2	120	50	1.13	1.11	1.09	1.0
512—2N5400	TO-92	120	0.6	180	50	.11	.09	.07	.0
♦512—FJV992EMTF	SOT-23	120	0.05	800	10	.06	.05	.04	.0
♦512—FJV992FMTF	SOT-23	120	0.05	600	10	.06	.05	.04	.0
♦512—FJV992PMTF	SOT-23	120	0.05	400	10	.06	.05	.04	.0
♦512—KSA1201OTF	SOT-89	120	0.8	160	500	.27	.23	.17	.1
♦512—KSA1201YTF	SOT-89	120	0.8	240	500	.27	.23	.17	.1
512—KSA916OBU	TO-92L	120	0.8	160	500	.13	.11	.07	.0
512—KSA916YBU	TO-92L	120	0.8	240	500	.14	.12	.09	.0
512—KSA916YTA	TO-92L	120	0.8	240	500	.13	.11	.07	.0
512—KSA992FBU	TO-92	120	0.05	600	10	.08	.07	.05	.0
512—KSA992FTA	TO-92	120	0.05	600	10	.08	.07	.05	.0
512—KSA992PBU	TO-92	120	0.05	400	10	.08	.07	.05	.0
512—KSA992PTA	TO-92	120	0.05	400	10	.08	.07	.05	.0
512—2N5771	TO-92	15	0.2	120	50	4.82	4.79	4.73	4.7
512—2N5772	TO-92	15	-	120	100	.11	.10	.06	.0
♦512—MMBT5771	SOT-23	15	0.2	120	50	2.13	2.12	2.11	2.1
512—KSA709GBU	TO-92	150	0.7	400	200	.07	.06	.04	.0
512—KSA709GTA	TO-92	150	0.7	400	200	.07	.06	.04	.0
512—KSA709OBU	TO-92	150	0.7	140	200	.08	.07	.04	.0
512—KSA709OTA	TO-92	150	0.7	140	200	.07	.06	.04	.0
512—KSA709YBU	TO-92	150	0.7	240	200	.08	.07	.04	.0
512—KSA709YTA	TO-92	150	0.7	240	200	.08	.07	.04	.0
512—KSA910OBU	TO-92	150	0.05	140	10	.11	.08	.06	.0
512—KSA910YBU	TO-92	150	0.05	240	10	.11	.08	.06	.0
512—KSA910YTA	TO-92	150	0.05	240	10	.11	.08	.06	.0
♦512—MMBT5401	SOT-23	150	0.6	240	50	.08	.06	.05	.0
512—KSA1013OTA	TO-92L	160	1	200	500	.17	.14	.09	.0
512—KSA1013RTA	TO-92L	160	1	120	500	.17	.14	.09	.0
512—KSA1013YTA	TO-92L	160	1	320	500	.17	.14	.09	.0
512—BC369	TO-92	20	1.5	375	1000	.16	.12	.08	.0
♦512—BCP69	SOT-223	20	1	375	1	.30	.25	.18	.1
♦512—FJC1386QTF	SOT-89	20	5	270	4	.23	.20	.15	.1
♦512—FJC1386RTF	SOT-89	20	5	390	4	.23	.20	.15	.1
512—KSA1150OTA	TO-92S	20	0.5	140	500	.10	.07	.06	.0
512—KSA1150YTA	TO-92S	20	0.5	240	500	.10	.07	.06	.0
512—KSA643GBU	TO-92	20	0.5	400	500	.08	.07	.04	.0
512—KSA643GTA	TO-92	20	0.5	400	500	.08	.07	.04	.0
512—KSA643OTA	TO-92	20	0.5	140	500	.08	.07	.04	.0
512—KSA643YBU	TO-92	20	0.5	240	500	.08	.07	.04	.0
512—KSA643YTA	TO-92	20	0.5	240	500	.08	.07	.04	.0
512—KSA1370EBU	TO-92L	200	0.1	-	20	.09	.08	.05	.0
512—KSA1370ETA	TO-92L	200	0.1	-	20	.10	.09	.06	.0
512—KSA1370FBU	TO-92L	200	0.1	-	20	.10	.09	.06	.0
512—KSA1370FTA	TO-92L	200	0.1	-	20	.09	.08	.06	.0
512—MPSA93	TO-92	200		-	20	.17	.13	.09	.0
512—TN5415A	TO-226	200	0.1	150	50	.33	.27	.21	.1
512—2N3702	TO-92	25	0.5	300	50	.11	.10	.06	.0
512—2N6076	TO-92	25	0.5	500	10	.15	.11	.08	.0
512—BC308	TO-92	25	0.1	800	10	.10	.09	.06	.0
512—BC328	TO-92	25	0.8	630	500	.38	.32	.20	.1
♦512—FSB749	SuperSOT-3	25	3	300	3000	.21	.18	.16	.1
♦512—FZT749	SOT-223	25	3	300	3000	.33	.27	.24	.2
♦512—KSA1298OMTF	SOT-23	25	0.8	200	500	.07	.06	.05	.0
♦512—KSA1298YMTF	SOT-23	25	0.8	320	500	.07	.06	.04	.0
512—KSA1378YBU	TO-92S	25	0.3	240	300	.07	.06	.05	.0
512—KSA642GBU	TO-92	25	0.3	400	300	.09	.06	.05	.0
512—KSA642OBU	TO-92	25	0.3	140	300	.09	.06	.05	.0
512—KSA642OTA	TO-92	25	0.3	140	300	.09	.06	.05	.0
512—KSA642YBU	TO-92	25	0.3	240	300	.09	.06	.05	.0
512—KSA642YTA	TO-92	25	0.3	240	300	.09	.06	.05	.0
♦512—KSB1121STM	SOT-89	25	2	280	1500	.27	.22	.16	.1
♦512—KSB1121TTF	SOT-89	25	2	400	1500	.34	.29	.20	.1
512—KSB564AGBU	TO-92	25	1	400	1000	.09	.07	.06	.0
512—KSB564AGTA	TO-92	25	1	400	1000	.09	.07	.06	.0
512—KSB564AOBU	TO-92	25	1	140	1000	.09	.07	.06	.0
512—KSB564AOTA	TO-92	25	1	140	1000	.09	.07	.06	.0
512—KSB564AYBU	TO-92	25	1	240	1000	.09	.07	.06	.0
512—KSB564AYTA	TO-92	25	1	240	1000	.09	.07	.06	.0

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MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	@IC	Price Each 1	25	100	250
512—	KSB798GTF	SOT-89	25	1	400	1000	.23	.20	.15	.12
512—	KSB798YTF	SOT-89	25	1	270	1000	.30	.25	.19	.15
512—	KSB811GBU	TO-92S	25	1	400	1000	.11	.08	.06	.04
512—	KSB811GTA	TO-92S	25	1	400	1000	.11	.08	.06	.04
512—	KSB811OBU	TO-92S	25	1	140	1000	.11	.08	.06	.04
512—	KSB811OTA	TO-92S	25	1	140	1000	.11	.08	.06	.04
512—	KSB811YBU	TO-92S	25	1	240	1000	.11	.08	.06	.04
512—	KSB811YTA	TO-92S	25	1	240	1000	.11	.08	.06	.04
512—	MMBT3702	SOT-23	25	0.8	300	50	.07	.06	.05	.03
512—	MMBT4126	SOT-23	25	0.2	360	50	.06	.05	.04	.03
512—	MPS3702	TO-92	25	0.8	300	50	.11	.09	.06	.04
512—	MPS6523	TO-92	25	0.5	600	50	.11	.10	.07	.04
512—	MPS6562	TO-92	25	1	200	500	.16	.13	.09	.07
512—	NZT749	SOT-223	25	4	300	1000	.41	.33	.30	.25
512—	PN3638	TO-92	25	0.8	-	300	.10	.08	.06	.05
512—	PN3638A	TO-92	25	0.8	-	300	.10	.08	.06	.05
512—	ZTX749	TO-226	25	2	300	2000	.66	.61	.47	.34
512—	2N6518TA	TO-92	250	0.5	300	50	.12	.10	.06	.05
512—	2N3703	TO-92	30	0.5	150	50	.11	.10	.06	.05
512—	BC213L	TO-92	30	0.5	400	100	.12	.10	.08	.06
512—	BC214	TO-92	30	0.5	400	100	.12	.10	.08	.06
512—	BC214L	TO-92	30	0.5	400	100	.12	.10	.08	.06
512—	BC214LB	TO-92	30	0.5	400	100	.12	.10	.08	.06
512—	BC214LC	TO-92	30	0.5	600	100	.12	.10	.08	.06
512—	BC558	TO-92	30	0.1	800	100	.26	.21	.15	.11
512—	BC559	TO-92	30	0.1	800	100	.25	.20	.13	.10
512—	D45H2A	TO-220	30	8	-	8000	1.16	.98	.70	.57
512—	FJC1308PTF	SOT-89	30	3	180	1500	.25	.21	.15	.12
512—	FJC1308QTF	SOT-89	30	3	270	1500	.25	.21	.15	.12
512—	FJC1308RTF	SOT-89	30	3	390	1500	.25	.21	.15	.12
512—	FJX1182OTF	SOT-323	30	0.5	140	100	.07	.06	.05	.04
512—	FJX1182YTF	SOT-323	30	0.5	240	100	.07	.06	.05	.04
512—	FMMT549	SuperSOT-3	30	1	300	2000	.16	.13	.10	.08
512—	FPN430	TO-226	30	2	-	1000	.29	.25	.18	.15
512—	FPN430A	TO-226	30	2	-	1000	.29	.25	.18	.15
512—	FPN630	TO-226	30	3	-	1000	.43	.37	.29	.25
512—	FPN630A	TO-226	30	3	-	1000	.43	.37	.29	.25
512—	FSB6726	SuperSOT-3	30	1.5	250	1000	.14	.12	.09	.08
512—	KSA1182OMTF	SOT-23	30	0.5	140	100	.08	.06	.05	.03
512—	KSA1182YMTF	SOT-23	30	0.5	240	100	.08	.06	.05	.03
512—	KSA1203OTF	SOT-89	30	1.5	200	1500	.27	.23	.17	.14
512—	KSA1203YTF	SOT-89	30	1.5	320	1500	.33	.28	.19	.16
512—	KSA928AOBU	TO-92L	30	2	200	1500	.16	.14	.10	.08
512—	KSA928AOTA	TO-92L	30	2	200	1500	.12	.10	.07	.05
512—	KSA928AYBU	TO-92L	30	2	320	1500	.12	.10	.07	.05
512—	KSA928AYTA	TO-92L	30	2	320	1500	.12	.10	.07	.05
512—	MPS3703	TO-92	30	0.8	150	50	.52	.40	.24	.12
512—	NZT6726	SOT-223	30	1.5	250	1000	.20	.17	.15	.11
512—	PN4917	TO-92	30	0.2	300	50	.10	.08	.06	.05
512—	PN5138	TO-92	30	0.5	800	10	.12	.10	.08	.05
512—	TN6726A	TO-226	30	1.5	250	1000	.41	.35	.24	.20
512—	2N6519TA	TO-92	300	0.5	270	50	.07	.06	.04	.03
512—	MMBTA92	SOT-23	300	0.5	-	20	.10	.09	.07	.05
512—	MPSA92	TO-92	300	0.5	-	20	.17	.13	.09	.07
512—	PZTA92	SOT-223	300	0.5	-	20	.30	.25	.19	.15
512—	BCW30	SOT-23	32	0.5	500	10	.07	.05	.04	.03
512—	FSBCW30	SuperSOT-3	32	0.5	500	10	.15	.13	.10	.08
512—	ZTX749A	TO-226	35	2	300	2000	.55	.49	.38	.28
512—	2N6520TA	TO-92	350	0.5	200	50	.07	.06	.04	.03
512—	2N5366	TO-92	40	0.5	300	50	.17	.15	.09	.07
512—	BSR15	SOT-23	40	0.8	300	500	.07	.06	.04	.03
512—	BSR18A	SOT-23	40	0.2	300	50	.07	.05	.04	.03
512—	BSR18B	SOT-23	40	0.5	220	50	.06	.05	.04	.03
512—	FJX3906TF	SOT-323	40	0.2	300	50	.09	.07	.05	.04
512—	FZT790A	SOT-223	40	3	80	1000	.26	.21	.19	.16
512—	MMBT2907	SOT-23	40	0.8	300	500	.08	.06	.05	.03
512—	MMBT3906	SOT-23	40	0.2	300	50	.06	.05	.04	.03
512—	MMBT4403	SOT-23	40	0.6	300	500	.08	.06	.05	.03
512—	MPS6518	TO-92	40	0.2	300	50	.09	.08	.05	.04
512—	MPS6534	TO-92	40	0.8	270	100	.10	.09	.05	.04
512—	NZT6727	SOT-223	40	-	250	1000	.21	.18	.16	.12
512—	PN4122	TO-92	40	0.2	300	50	.11	.10	.06	.05
512—	PN4143	TO-92	40	0.8	300	500	.12	.10	.07	.06
512—	PN4250	TO-92	40	-	700	10	.11	.09	.06	.05
512—	PZT3906	SOT-223	40	0.2	300	50	.24	.20	.15	.11
512—	TIS93	TO-92	40	0.8	300	50	.10	.09	.06	.04
512—	TN6727A	TO-226	40	1.5	250	1000	.41	.35	.24	.20
512—	KSA1625KBU	TO-92	400	0.5	200	100	.17	.15	.10	.08
512—	KSA1625KTA	TO-92	400	0.5	200	100	.22	.19	.14	.10
512—	BC307	TO-92	45	0.1	800	10	.10	.09	.06	.04
512—	BC327	TO-92	45	0.8	630	500	.37	.31	.20	.14
512—	BC560	TO-92	45	0.1	800	100	.25	.20	.13	.10
512—	BC636	TO-92	45	1	250	500	.23	.19	.13	.11
512—	BCP51	SOT-223	45	-	250	500	.30	.25	.18	.15
512—	BCW68G	SOT-23	45	0.8	400	300	.07	.06	.04	.03
512—	BCW69	SOT-23	45	-	260	10	.07	.06	.04	.03

PNP (cont.)

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MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	@IC	Price Each 1	25	100	250
512—	BCX17	SOT-23	45	0.5	600	500	.12	.10	.08	.05
512—	BCX71G	SOT-23	45	0.1	220	50	.07	.06	.04	.03
512—	BCX71J	SOT-23	45	0.1	460	50	.06	.05	.04	.03
512—	BCX71K	SOT-23	45	0.5	630	50	.07	.05	.04	.03
512—	BCX79	TO-92	45	0.5	1000	100	.12	.09	.07	.06
512—	KSA539OTA	TO-92	45	0.2	140	150	.08	.07	.04	.03
512—	KSA539YBU	TO-92	45	0.2	240	150	.09	.07	.04	.03
512—	KSA539YTA	TO-92	45	0.2	240	150	.09	.07	.04	.03
512—	MMBT200	SOT-23	45	0.5	450	200	.07	.05	.04	.03
512—	MMBT200A	SOT-23	45	0.5	600	200	.07	.05	.04	.03
512—	PN200	TO-92	45	0.5	450	200	.13	.11	.08	.06
512—	PN200A	TO-92	45	0.5	600	200	.11	.09	.06	.05
512—	PN3644	TO-92	45	0.8	300	150	.10	.08	.06	.05
512—	BC212	TO-92	50	0.3	-	100	.13	.10	.08	.06
512—	BC212B	TO-92	50	0.1	-	100	.13	.10	.08	.06
512—	BC212L	TO-92	50	0.3	300	100	.12	.10	.08	.06
512—	BC212LB	TO-92	50	0.1	-	100	.12	.10	.08	.06
512—	FJX733GTF	SOT-323	50	0.15	400	20	.07	.06	.05	.04
512—	FJX733OTF	SOT-323	50	0.15	140	20	.07	.06	.05	.04
512—	FJX733RTF	SOT-323	50	0.15	80	20	.07	.06	.05	.04
512—	FJX733YTF	SOT-323	50	0.15	240	20	.07	.06	.05	.04
512—	FJZ733GTF	SOT-623F	50	0.15	400	100	.12	.10	.07	.06
512—	FJZ733LTF	SOT-623F	50	0.15	700	100	.12	.10	.07	.06
512—	FJZ733OTF	SOT-623F	50	0.15	140	100	.09	.07	.06	.05
512—	FJZ733RTF	SOT-623F	50	0.15	80	100	.09	.07	.06	.05
512—	FJZ733YTF	SOT-623F	50	0.15	240	100	.09	.07	.06	.05
512—	KSA1015GRBU	TO-92	50	0.15	400	100	.07	.06	.04	.03
512—	KSA1015GRTA	TO-92	50	0.15	400	100	.07	.06	.04	.03
512—	KSA1015OBU	TO-92	50	0.15	140	100	.60	.57	.52	.49
512—	KSA1015OTA	TO-92	50	0.15	140	100	.60	.57	.52	.49
512—	KSA1015YBU	TO-92	50	0.15	240	100	.60	.57	.52	.49
512—	KSA1015YTA	TO-92	50	0.15	240	100	.60	.57	.52	.49
512—	KSA1175GBU	TO-92S	50	0.15	400	100	.08	.07	.04	.03
512—	KSA1175GTA	TO-92S	50	0.15	400	100	.08	.07	.04	.03
512—	KSA1175LTA	TO-92S	50	0.15	700	100	.07	.06	.04	.03
512—	KSA1175OBU	TO-92S	50	0.15	140	100	.07	.06	.04	.03
512—	KSA1175OTA	TO-92S	50	0.15	140	100	.08	.07	.04	.03
512—	KSA1175RTA	TO-92S	50	0.15	80	100	.07	.06	.04	.03
512—	KSA1175YBU	TO-92S	50	0.15	240	100	.08	.07	.04	.03
512—	KSA1175YTA	TO-92S	50	0.15	240	100	.08	.07	.04	.03
512—	KSA1281OBU	TO-92L	50	2	140	1000	.11	.09	.06	.05
512—	KSA1281OTA	TO-92L	50	2	140	1000	.11	.09	.07	.05
512—	KSA1281YBU	TO-92L	50	2	240	1000	.11	.09	.07	.05
512—	KSA1281YTA	TO-92L	50	2	240	1000	.11	.09	.07	.05
512—	KSA733GBU	TO-92	50	0.15	400	100	.06	.05	.04	.03
512—	KSA733GTA	TO-92	50	0.15	400	100	.06	.05	.04	.03
512—	KSA733LBU	TO-92	50	0.15	700	100	.06	.05	.04	.03
512—	KSA733OBU	TO-92	50	0.15	140	100	.06	.05	.04	.03
512—	KSA733YBU	TO-92	50	0.15	240	100	.06	.05	.04	.03
512—	KSA733YTA	TO-92	50	0.15	240	100	.06	.05	.04	.03
512—	KSA812GMTF	SOT-23	50	0.1	400	100	.06	.05	.04	.03
512—	KSA812LMTF	SOT-23	50	0.1	600	100	.06	.05	.04	.03
512—	KSA812OMTF	SOT-23	50	0.1	180	100	.06	.05	.04	.03
512—	KSA812YMTF	SOT-23	50	0.1	270	100	.06	.05	.04	.03
512—	KSB1116GBU	TO-92	50	1	400	1000	.10	.08	.06	.05
512—	KSB1116GTA	TO-92	50	1	400	1000	.11	.09	.06	.05
512—	KSB1116LBU	TO-92	50	1	600	1000	.10	.08	.06	.05
512—	KSB1116LTA	TO-92	50	1	600	1000	.10	.08	.06	.05
512—	KSB1116YBU	TO-92	50	1	270	1000	.10	.08	.06	.05
512—	KSB1116YTA	TO-92	50	1	270	1000	.10	.08	.06	.05
512—	KSB1116SYBU	TO-92	50	1	600	1000	.09	.08	.06	.04
512—	KSB1116SYTA	TO-92	50	1	600	1000	.10	.08	.06	.05
512—	MMBT5087	SOT-23	50	0.1	800	10	.08	.07	.05	.03
512—	BC327A	TO-92	60	-	400	500	.37	.31	.20	.14
512—	BC638	TO-92	60	1	160	500	.21	.18	.13	.08
512—	BCP52	SOT-223	60	1.2	250	500	.29	.24	.18	.15
512—	BCW89	SOT-23	60	0.5	260	10	.07	.06	.04	.03
512—	BSR16	SOT-23	60	0.8	300	500	.07	.05	.04	.03
512—	FJX2907ATF	SOT-323	60	0.6	300	500	.07	.06	.05	.04
512—	FPN660	TO-226	60	3	300	2000	.45	.39	.29	.24
512—	FPN660A	TO-226	60	3	550	2000	.43	.36	.26	.22
512—	FSB660	SuperSOT-3	60	2	300	2000	.22	.19	.17	.14
512—	FSB660A	SuperSOT-3	60	2	550	2000	.21	.18	.15	.12
512—	KSA708OBU	TO-92	60	0.7	140	500	.08	.07	.04	.03
512—	KSA708OTA	TO-92	60	0.7	140	500	.07	.06	.04	.03
512—	KSA708YBU	TO-92	60	0.7	240	500	.08	.07	.04	.03
512—	KSA708YTA	TO-92	60	0.7	240	500	.07	.06	.04	.03
512—	KSA931OBU	TO-92L	60	0.7	140	500	.10	.08	.06	.05
512—	KSA931OTA	TO-92L	60	0.7	140	500	.10	.08	.06	.05
512—	KSA931YBU	TO-92L	60	0.7	240	500	.10	.08	.06	.05
512—	KSA931YTA	TO-92L	60	0.7	240	500	.10	.08	.06	.05
512—	KSB1116AGBU	TO-92	60	1	400	1000	.10	.08	.06	.05
512—	KSB1116AGTA	TO-92	60	1	400	1000	.10	.08	.06	.05
512—	KSB1116ALBU	TO-92	60	1	600	1000	.10	.08	.06	.05
512—	KSB1116ALTA	TO-92	60	1	600	1000	.10	.08	.06	.05
512—	KSB1116AYBU	TO-92	60	1	270	1000	.10	.08	.06	.05

FAIRCHILD Small Signal Transistors

FAIRCHILD SEMICONDUCTOR

♦ Surface Mount Devi

FAIRCHILD GENERAL PURPOSE SMALL SIGNAL TRANSISTORS

PNP

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	@IC	Price Each 1	25	100	250
512—	KSB1116AYTA	TO-92	60	1	270	1000	.10	.08	.06	.05
♦512—	MMBT2907A	SOT-23	60	0.8	300	500	.08	.06	.05	.03
♦512—	MMBT4354	SOT-23	60	0.8	500	150	.10	.08	.06	.05
♦512—	MMBT4355	SOT-23	60	0.8	400	1000	.11	.09	.06	.05
♦512—	MMBTA55	SOT-23	60	0.5	-	100	.08	.06	.05	.04
512—	MPS751	TO-92	60	2	-	2000	.29	.25	.19	.17
512—	MPS8598	TO-92	60		300	100	.12	.09	.07	.06
512—	MPSA55	TO-92	60	0.5	-	100	.15	.12	.09	.06
♦512—	NZT660	SOT-223	60	3	300	3000	.30	.26	.23	.19
♦512—	NZT660A	SOT-223	60	3	550	3000	.30	.26	.23	.19
♦512—	NZT6728	SOT-223	60	1.2	250	250	.22	.19	.17	.14
♦512—	NZT751	SOT-223	60	4	-	2000	.45	.38	.33	.27
512—	PN3645	TO-92	60	0.8	300	150	.10	.08	.06	.05
512—	PN4249	TO-92	60	0.5	300	10	.13	.11	.08	.06
512—	PN4250A	TO-92	60	0.5	700	10	.13	.11	.08	.06
512—	PN4355	TO-92	60	0.8	400	1000	.14	.12	.09	.07
♦512—	PZT2907A	SOT-223	60	0.8	300	500	.26	.22	.16	.13
512—	TN2907A	TO-226	60	0.8	300	500	.31	.26	.18	.16
512—	TN6728A	TO-226	60	1.2	250	250	.40	.34	.23	.20
512—	BC556	TO-92	65	0.1	800	100	.21	.17	.11	.09
512—	BC640	TO-92	80	1	160	500	.22	.17	.12	.08
♦512—	BCP53	SOT-223	80	1.2	250	500	.39	.32	.23	.19
♦512—	MMBT4356	SOT-23	80	0.8	250	150	.10	.08	.06	.05
♦512—	MMBTA56	SOT-23	80	0.5	-	100	.08	.06	.05	.04
512—	MPSA56	TO-92	80	0.5	-	100	.12	.10	.06	.05
512—	MPSW56	TO-226	80	1	-	250	.36	.30	.22	.17
♦512—	NZT6729	SOT-223	80	1	250	250	.22	.19	.17	.14
512—	PN4356	TO-92	80	0.8	250	500	.14	.12	.09	.07
♦512—	PZTA56	SOT-223	80	0.5	-	100	.29	.24	.17	.14
512—	TN4033A	TO-226	80	1	300	500	.33	.27	.20	.16
512—	TN6729A	TO-226	80	1	250	250	.41	.35	.24	.20

FAIRCHILD DARLINGTON SMALL SIGNAL TRANSISTORS

NPN

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	@IC	Price Each 1	25	100	250
♦512—	KST13MTF	SOT-23	20	0.3	-	100	.08	.07	.04	.03
♦512—	KST14MTF	SOT-23	30	0.3	-	100	.08	.07	.04	.03
512—	KSP25BU	TO-92	40	0.5	-	100	.10	.06	.05	.03
512—	KSP26BU	TO-92	50	0.5	-	100	.10	.06	.05	.03
512—	2N7051	TO-92	100	1.5	20000	100	.16	.12	.09	.07
512—	2N7052	TO-92	100	1.5	20000	100	.16	.13	.09	.07
512—	2N7053	TO-226	100	1.5	20000	100	.23	.20	.15	.12
512—	MPSA29	TO-92	100	0.8	-	100	.16	.14	.09	.08
♦512—	NZT7053	SOT-223	100	1.5	20000	100	.27	.22	.20	.16
♦512—	NZT605	SOT-223	11	1.5	-	1000	.34	.28	.20	.17
512—	MPSA12	TO-92	20	1.2	-	10	.12	.10	.06	.05
512—	2N5306	TO-92	25	1.2	70000	200	.24	.21	.13	.11
♦512—	BCV27	SOT-23	30	1.2	-	100	.08	.07	.06	.04
♦512—	MMBTA13	SOT-23	30	1.2	-	100	.08	.07	.05	.04
♦512—	MMBTA14	SOT-23	30	1.2	-	100	.08	.07	.05	.04
512—	MPSA13	TO-92	30	1.2	-	100	.13	.11	.07	.06
512—	MPSA14	TO-92	30	1.2	-	100	.12	.10	.06	.05
♦512—	PZTA14	SOT-223	30	1.2	-	100	.30	.24	.18	.15
512—	2N5307	TO-92	40	1.2	20000	200	.07	.06	.05	.04
512—	2N5308	TO-92	40	1.2	70000	200	.17	.13	.09	.07
512—	2N6426	TO-92	40	1.2	300000	500	.13	.11	.08	.06
512—	2N6427	TO-92	40	1.2	200000	500	.13	.11	.08	.06
512—	BC517	TO-92	40	-	-	100	.12	.10	.08	.06
♦512—	MMBT6427	SOT-23	40	1.2	200000	500	.08	.07	.05	.04
♦512—	BSP50	SOT-223	45	0.8	-	500	.30	.25	.18	.15
512—	BSR50	TO-92	45	-	-	500	.11	.10	.09	.08
512—	TN6725A	TO-226	50	1.2	40000	1000	.31	.26	.19	.16
♦512—	BSP51	SOT-223	60	-	-	500	.33	.26	.19	.16
512—	MPSA27	TO-92	60	0.8	-	100	.17	.15	.09	.08
♦512—	BSP52	SOT-223	80	0.8	-	500	.35	.27	.19	.16
♦512—	MMBTA28	SuperSOT-3	80	0.8	-	100	.18	.15	.09	.08
512—	MPSA28	TO-92	80	0.8	-	100	.17	.15	.09	.08
♦512—	PZTA28	SOT-223	80	0.8	-	100	.30	.26	.19	.15
♦512—	PZTA27	SOT-223	-	0.8	-	100	.30	.26	.19	.15
♦512—	PZTA29	SOT-223	-	-	-	100	.30	.25	.19	.15

PNP

For quantities of 500 and up, call for quote.

♦512—	KST63MTF	SOT-23	30	0.5	-	100	.09	.07	.06	.04
♦512—	KST64MTF	SOT-23	30	0.5	-	100	.09	.07	.06	.04
512—	KSP76BU	TO-92	50	0.5	-	100	.09	.08	.07	.06
512—	BC516	TO-92	30	1	-	100	.12	.10	.07	.05
♦512—	BCV26	SOT-23	30	1.2	-	100	.09	.08	.06	.04
♦512—	MMBTA63	SOT-23	30	1.2	-	100	.09	.08	.06	.04
♦512—	MMBTA64	SOT-23	30	1.2	-	100	.09	.08	.06	.04
512—	MPSA63	TO-92	30	1.2	-	100	.11	.09	.07	.05
512—	MPSA64	TO-92	30	1.2	-	100	.11	.09	.07	.05
512—	MPSA65	TO-92	30	1.2	-	100	.11	.09	.07	.05
♦512—	PZTA64	SOT-223	30	1.2	-	100	.29	.24	.17	.14
512—	MPSA77	TO-92	-	1.2	-	100	.11	.09	.07	.05

FAIRCHILD HYBRID SMALL SIGNAL TRANSISTORS

NPN Dual

For quantities of 500 and up, call for quo

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	@IC	Price Each 1	25	100	25
♦512—	FMBA14	SuperSOT-6	30	1.2	-	100	.19	.16	.11	.0
♦512—	FFB2222A	SC70-6	40	0.5	300	500	.17	.15	.10	.0
♦512—	FFB3904	SC70-6	40	0.2	300	50	.15	.14	.10	.0
♦512—	FMB2222A	SuperSOT-6	40	0.5	300	500	.22	.18	.13	.1
♦512—	FMB3904	SuperSOT-6	40	0.2	300	50	.19	.16	.10	.0
♦512—	BC847S	SC70-6	45	0.2	630	100	.23	.20	.14	.1
♦512—	FMB100	SuperSOT-6	45	0.5	450	200	.27	.23	.17	.1
♦512—	FMBA06	SuperSOT-6	80	0.5	-	100	.39	.33	.24	.1
♦512—	FMB5551	SuperSOT-6	160	0.1	250	10	.23	.20	.13	.1

NPN Quad

For quantities of 500 and up, call for quo

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	@IC	Price Each 1	25	100	25
♦512—	MMPQ2222	SOIC-16	30	0.5	-	150	2.63	2.20	1.57	1.
♦512—	FTM3725	SOIC-16	40	1.2	180	100	3.37	2.80	2.00	1.
♦512—	MMPQ2222A	SOIC-16	40	0.5	300	500	2.74	2.29	1.63	1.
♦512—	MMPQ3904	SOIC-16	40	0.2	-	50	2.04	1.70	1.21	.

NPN/PNP Dual

For quantities of 500 and up, call for quo

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	@IC	Price Each 1	25	100	25
♦512—	FFB2227A	SC70-6	30	0.5	-	300	.15	.13	.09	.0
♦512—	FMB2227A	SuperSOT-6	30	0.5	-	300	.21	.18	.12	.0
♦512—	FFB3946	SC70-6	40	0.2	300	10	.15	.13	.09	.0
♦512—	FMB3946	SuperSOT-6	40	0.2	300	10	.21	.18	.12	.1

NPN/PNP Quad

For quantities of 500 and up, call for quo

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	@IC	Price Each 1	25	100	25
♦512—	MMPQ6700	SOIC-16	40	0.2	-	10	2.60	2.15	1.55	1.

PNP Dual

For quantities of 500 and up, call for quo

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	@IC	Price Each 1	25	100	25
♦512—	FMBS549	SuperSOT-6	30	1	300	2000	.26	.22	.16	.1
♦512—	FFB3906	SC70-6	40	0.2	300	50	.17	.15	.11	.1
♦512—	FJYF2906TF	SOT-563F	40	0.15	300	10	.29	.23	.17	.1
♦512—	FMB3906	SuperSOT-6	40	0.2	300	50	.26	.21	.15	.1
♦512—	BC857S	SC70-6	45	0.2	630	100	.25	.21	.15	.1
♦512—	FMB200	SuperSOT-6	45	0.5	450	200	.40	.34	.24	.1
♦512—	FMB857B	SuperSOT-6	45	0.1	475	10	.25	.21	.14	.1
♦512—	FFB2907A	SC70-6	60	0.6	300	500	.19	.16	.13	.1
♦512—	FMB2907A	SuperSOT-6	60	0.6	300	500	.26	.21	.15	.1
♦512—	FMBA56	SuperSOT-6	80	0.5	-	100	.24	.20	.14	.1

PNP Quad

For quantities of 500 and up, call for quo

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	@IC	Price Each 1	25	100	25
♦512—	MMPQ2907	SOIC-16	40	0.6	300	300	2.61	2.19	1.57	1.2
♦512—	MMPQ3906	SOIC-16	40	0.2	-	50	2.74	2.29	1.64	1.3
♦512—	MMPQ2907A	SOIC-16	60	0.6	300	500	2.56	2.14	1.53	1.2

FAIRCHILD DIGITAL SMALL SIGNAL TRANSISTORS

NPN

For quantities of 500 and up, call for quot

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	@IC	Price Each 1	25	100	25
512—	FJN3309RBU	TO-92	40	0.1	600	10	.07	.06	.04	.0
512—	FJN3310RBU	TO-92	40	0.1	600	10	.07	.06	.04	.0
512—	FJN3312RBU	TO-92	40	0.1	600	10	.07	.06	.04	.0
512—	FJNS3209RBU	TO-92S	40	0.1	600	10	.07	.06	.04	.0
512—	FJNS3210RBU	TO-92S	40	0.1	600	10	.07	.06	.04	.0
512—	FJNS3212RBU	TO-92S	40	0.1	600	10	.07	.06	.04	.0
♦512—	FJV3109RMTF	SOT-23	40	0.1	600	10	.07	.06	.04	.0
♦512—	FJV3110RMTF	SOT-23	40	0.1	600	10	.07	.06	.04	.0
♦512—	FJV3112RMTF	SOT-23	40	0.1	600	10	.07	.06	.04	.0
♦512—	FJX3009RTF	SOT-323	40	0.1	600	10	.07	.06	.05	.0
♦512—	FJX3010RTF	SOT-323	40	0.1	600	10	.07	.06	.05	.0
♦512—	FJX3011RTF	SOT-323	40	0.1	600	10	.07	.06	.05	.0
♦512—	FJX3012RTF	SOT-323	40	0.1	600	10	.07	.06	.05	.0
512—	FJN3301RBU	TO-92	50	0.1	-	10	.07	.06	.04	.0
512—	FJN3302RBU	TO-92	50	0.1	-	10	.07	.06	.04	.0
512—	FJN3303RBU	TO-92	50	0.1	-	10	.07	.06	.04	.0
512—	FJN3304RBU	TO-92	50	0.1	-	10	.07	.06	.04	.0
512—	FJN3305RBU	TO-92	50	0.1	-	10	.07	.06	.04	.0
512—	FJN3306RBU	TO-92	50	0.1	-	10	.07	.06	.04	.0

MOUSER ELECTRONICS a tti company

(800) 346-6873

FAIRCHILD DIGITAL SMALL SIGNAL TRANSISTORS (cont.)

♦ Surface Mount Device

NPN

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	h_{FE} (mA) @IC	Price Each 1	25	100	250
512—FJN3307RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJN3308RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJN3313RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJN3314RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJN3315RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJNS3201RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS3202RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS3203RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS3204RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS3205RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS3206RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS3207RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS3208RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS3213RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS3214RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS3215RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
♦512—FJV3101RMTF	SOT-23	50	0.1	-	10	.07	.06	.04	.03
♦512—FJV3102RMTF	SOT-23	50	0.1	-	10	.07	.06	.04	.03
♦512—FJV3103RMTF	SOT-23	50	0.1	-	10	.07	.06	.04	.03
♦512—FJV3104RMTF	SOT-23	50	0.1	-	10	.07	.06	.04	.03
♦512—FJV3105RMTF	SOT-23	50	0.1	-	10	.07	.06	.04	.03
♦512—FJV3106RMTF	SOT-23	50	0.1	-	10	.07	.06	.04	.03
♦512—FJV3107RMTF	SOT-23	50	0.1	-	10	.07	.06	.04	.03
♦512—FJV3108RMTF	SOT-23	50	0.1	-	10	.07	.06	.04	.03
♦512—FJV3113RMTF	SOT-23	50	0.1	-	10	.07	.06	.04	.03
♦512—FJV3114RMTF	SOT-23	50	0.1	-	10	.07	.06	.04	.03
♦512—FJV3115RMTF	SOT-23	50	0.1	-	10	.07	.06	.04	.03
♦512—FJX3001RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX3002RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX3003RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX3004RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX3005RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX3006RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX3007RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX3008RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX3013RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX3014RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX3015RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04

PNP

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	h_{FE} (mA) @IC	Price Each 1	25	100	250
512—FJN3311RBU	TO-92	40	0.1	600	10	.07	.06	.04	.03
512—FJN4309RBU	TO-92	40	0.1	600	10	.07	.06	.04	.03
512—FJN4310RBU	TO-92	40	0.1	600	10	.07	.06	.04	.03
512—FJN4311RBU	TO-92	40	0.1	600	10	.07	.06	.04	.03
512—FJN4312RBU	TO-92	40	0.1	600	10	.07	.06	.04	.03
512—FJNS3211RBU	TO-92S	40	0.1	600	10	.07	.06	.04	.03
512—FJNS4209RBU	TO-92S	40	0.1	600	10	.07	.06	.04	.03
512—FJNS4210RBU	TO-92S	40	0.1	600	10	.07	.06	.04	.03
512—FJNS4211RBU	TO-92S	40	0.1	600	10	.07	.06	.04	.03
512—FJNS4212RBU	TO-92S	40	0.1	600	10	.07	.06	.04	.03
♦512—FJV3111RMTF	SOT-23	40	0.1	600	10	.07	.06	.04	.03
♦512—FJV4109RMTF	SOT-23	40	0.1	600	10	.10	.08	.06	.05
♦512—FJV4110RMTF	SOT-23	40	0.1	600	10	.10	.08	.06	.05
♦512—FJV4111RMTF	SOT-23	40	0.1	600	10	.10	.08	.06	.05
♦512—FJV4112RMTF	SOT-23	40	0.1	600	10	.10	.08	.06	.05
♦512—FJX4009RTF	SOT-323	40	0.1	600	10	.07	.06	.05	.04
♦512—FJX4010RTF	SOT-323	40	0.1	600	10	.07	.06	.05	.04
♦512—FJX4011RTF	SOT-323	40	0.1	600	10	.07	.06	.05	.04
♦512—FJX4012RTF	SOT-323	40	0.1	600	10	.07	.06	.05	.04
512—FJN4301RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJN4302RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJN4303RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJN4304RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJN4305RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJN4306RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJN4307RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJN4308RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJN4313RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJN4314RBU	TO-92	50	0.1	-	10	.07	.06	.04	.03
512—FJNS4201RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS4202RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS4203RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS4204RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS4205RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS4206RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS4207RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS4208RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS4213RBU	TO-92S	50	0.1	-	10	.07	.06	.04	.03
512—FJNS4214RBU	TO-92S	50	0.1	-	10	.10	.08	.06	.05
♦512—FJV4101RMTF	SOT-23	50	0.1	-	10	.10	.08	.06	.05
♦512—FJV4102RMTF	SOT-23	50	0.1	-	10	.10	.08	.06	.05
♦512—FJV4103RMTF	SOT-23	50	0.1	-	10	.10	.08	.06	.05

PNP (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	h_{FE} (mA) @IC	Price Each 1	25	100	250
♦512—FJV4104RMTF	SOT-23	50	0.1	-	10	.10	.08	.06	.05
♦512—FJV4105RMTF	SOT-23	50	0.1	-	10	.10	.08	.06	.05
♦512—FJV4106RMTF	SOT-23	50	0.1	-	10	.08	.07	.05	.04
♦512—FJV4107RMTF	SOT-23	50	0.1	-	10	.10	.08	.06	.05
♦512—FJV4108RMTF	SOT-23	50	0.1	-	10	.10	.08	.06	.05
♦512—FJV4113RMTF	SOT-23	50	0.1	-	10	.10	.08	.06	.05
♦512—FJV4114RMTF	SOT-23	50	0.1	-	10	.10	.08	.06	.05
♦512—FJX4001RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX4002RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX4003RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX4004RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX4005RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX4006RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX4007RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX4008RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX4013RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04
♦512—FJX4014RTF	SOT-323	50	0.1	-	10	.07	.06	.05	.04

FAIRCHILD RF SMALL SIGNAL TRANSISTORS

NPN

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	h_{FE} (mA) @IC	Price Each 1	25	100	250
512—2N3663	TO-92	12	0.05	-	-	.11	.10	.06	.05
♦512—MMBT5179	SOT-23	12	0.05	250	10	.08	.07	.06	.04
512—MPS5179	TO-92	12	0.05	250	10	.52	.40	.24	.12
512—PN5179	TO-92	12	0.05	250	10	.16	.13	.09	.07
512—2N5770	TO-92	15	0.05	200	10	.09	.07	.05	.04
512—KSC1730OBU	TO-92	15	0.05	140	10	.07	.06	.05	.03
512—KSC1730OTA	TO-92	15	0.05	140	10	.07	.06	.05	.03
512—KSC1730YBU	TO-92	15	0.05	240	10	.07	.06	.05	.03
512—KSC1730YTA	TO-92	15	0.05	240	10	.07	.06	.05	.03
♦512—KSC2757OMTF	SOT-23	15	0.05	180	10	.07	.06	.05	.03
♦512—KSC2757RMTF	SOT-23	15	0.05	120	10	.07	.06	.05	.03
♦512—KSC2757YMTF	SOT-23	15	0.05	240	10	.07	.06	.05	.03
♦512—MMBT5770	SOT-23	15	0.09	200	10	.07	.06	.05	.04
♦512—MMBT918	SOT-23	15	0.05	-	10	.08	.07	.05	.04
512—PN3563	TO-92	15	0.05	200	-	.11	.09	.06	.05
512—PN918	TO-92	15	0.05	-	10	.11	.09	.06	.05
512—BF494	TO-92	20	-	220	-	.20	.17	.12	.09
512—KSC1187OBU	TO-92	20	0.03	140	-	.07	.06	.05	.03
512—KSC1187OTA	TO-92	20	0.03	140	-	.07	.06	.05	.03
512—KSC1187YBU	TO-92	20	0.03	240	-	.07	.06	.04	.03
512—KSC1187YTA	TO-92	20	0.03	240	-	.07	.06	.04	.03
512—KSC1674OBU	TO-92	20	0.02	140	10	.10	.07	.05	.04
512—KSC1674OTA	TO-92	20	0.02	140	10	.10	.07	.05	.04
512—KSC1674RBU	TO-92	20	0.02	80	10	.10	.07	.05	.04
512—KSC1674RTA	TO-92	20	0.02	80	10	.10	.07	.05	.04
512—KSC1674YBU	TO-92	20	0.02	240	10	.10	.07	.05	.04
512—KSC1674YTA	TO-92	20	0.02	240	10	.10	.07	.05	.04
♦512—KSC2223OMTF	SOT-23	20	0.02	120	10	.07	.06	.05	.03
♦512—KSC2223YMTF	SOT-23	20	0.02	180	10	.07	.06	.05	.03
♦512—KSC2756OMTF	SOT-23	20	0.03	180	10	.07	.06	.05	.03
♦512—KSC2756RMTF	SOT-23	20	0.03	120	10	.07	.06	.05	.03
♦512—KSC2756YMTF	SOT-23	20	0.03	240	10	.07	.06	.05	.03
512—KSC2786OBU	TO-92S	20	0.02	140	10	.07	.06	.04	.03
512—KSC2786OTA	TO-92S	20	0.02	140	10	.07	.06	.04	.03
512—KSC2786RBU	TO-92S	20	0.02	80	10	.07	.06	.04	.03
512—KSC2786RTA	TO-92S	20	0.02	80	10	.07	.06	.04	.03
512—KSC2786YBU	TO-92S	20	0.02	240	10	.07	.06	.04	.03
512—KSC2786YTA	TO-92S	20	0.02	240	10	.07	.06	.04	.03
♦512—KSC3123OMTF	SOT-23	20	0.05	180	-	.06	.05	.04	.03
♦512—KSC3123RMTF	SOT-23	20	0.05	120	-	.06	.05	.04	.03
♦512—KSC3123YMTF	SOT-23	20	0.05	240	-	.06	.05	.04	.03
512—KSP10TA	TO-92	25	-	-	4	.07	.06	.04	.03
512—KST10MTF	TO-92	25	-	-	4	.07	.06	.05	.03
512—BF199	TO-92	25	0.05	-	10	.16	.14	.09	.07
512—FPNH10	TO-92	25	0.05	-	4	.11	.10	.06	.05
♦512—MMBTH10	SOT-23	25	0.05	-	4	.09	.08	.05	.04
♦512—MMBTH11	SOT-23	25	0.05	-	4	.08	.05	.04	.03
512—MPSH10	TO-92	25	0.05	-	4	.16	.14	.09	.07
512—MPSH11	TO-92	25	0.05	-	4	.16	.14	.09	.07
512—KSC1393OBU	TO-92	30	0.02	140	-	.07	.06	.05	.03
512—KSC1393OTA	TO-92	30	0.02	140	-	.07	.06	.05	.03
512—KSC1393RBU	TO-92	30	0.02	80	-	.07	.06	.05	.04
512—KSC1393RTA	TO-92	30	0.02	80	-	.07	.06	.05	.04
512—KSC1393YBU	TO-92	30	0.02	180	-	.10	.07	.05	.04
512—KSC1393YTA	TO-92	30	0.02	180	-	.07	.06	.04	.03
512—KSC1675OBU	TO-92	30	0.05	140	10	.06	.05	.04	.03
512—KSC1675OTA	TO-92	30	0.05	140	10	.07	.06	.04	.03

FAIRCHILD Small Signal Transistors and JFETs

FAIRCHILD SEMICONDUCTOR

♦ Surface Mount Device

FAIRCHILD RF SMALL SIGNAL TRANSISTORS (cont.)

NPN

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	h_{FE} (mA) @IC	Price Each 1	25	100	250
512—KSC1675RBU		TO-92	30	0.05	80	10	.06	.05	.04	.03
512—KSC1675YS1TA		TO-92	30	0.05	240	10	.07	.06	.04	.03
512—KSC1675YTA		TO-92	30	0.05	240	10	.07	.06	.04	.03
512—KSC2669OBU		TO-92S	30	0.03	140	10	.07	.06	.04	.03
512—KSC2669YTA		TO-92S	30	0.03	240	10	.08	.07	.04	.03
♦512—KSC2715OMTF		SOT-23	30	0.05	140	10	.06	.05	.04	.03
♦512—KSC2715YMTF		SOT-23	30	0.05	240	10	.06	.05	.04	.03
♦512—KSC2755OMTF		SOT-23	30	0.02	180	10	.06	.05	.04	.03
♦512—KSC2755YMTF		SOT-23	30	0.02	240	10	.06	.05	.04	.03
512—KSC2787OBU		TO-92S	30	0.05	140	10	.07	.06	.04	.03
512—KSC2787OTA		TO-92S	30	0.05	140	10	.07	.06	.04	.03
512—KSC2787RBU		TO-92S	30	0.05	80	10	.07	.06	.04	.03
512—KSC2787RTA		TO-92S	30	0.05	80	10	.07	.06	.04	.03
512—KSC2787YBU		TO-92S	30	0.05	240	10	.07	.06	.04	.03
512—KSC2787YTA		TO-92S	30	0.05	240	10	.08	.07	.04	.03
512—KSC838COBU		TO-92	30	0.03	140	10	.07	.06	.04	.03
512—KSC838COTA		TO-92	30	0.03	140	10	.07	.06	.04	.03
512—KSC838CYBU		TO-92	30	0.03	240	10	.07	.06	.04	.03
512—KSC838CYTA		TO-92	30	0.03	240	10	.07	.06	.04	.03
512—KSC838OBU		TO-92	30	0.03	140	10	.07	.06	.04	.03
512—KSC838OTA		TO-92	30	0.03	140	10	.07	.06	.04	.03
512—KSC838YBU		TO-92	30	0.03	240	10	.07	.06	.04	.03
512—KSC838YTA		TO-92	30	0.03	240	10	.07	.06	.04	.03
♦512—MMBTH24		SOT-23	30	0.05	-	-	.08	.07	.05	.04
512—MPSH24		TO-92	30	0.05	-	-	.16	.14	.09	.07
512—BF240		TO-92	40	0.05	225	1	.19	.16	.10	.08
♦512—MMBTH10RG		SOT-23	40	0.045	120	10	.07	.06	.05	.03
♦512—MMBTH34		SOT-23	40	0.05	-	-	.08	.07	.06	.04
512—MPSH34		TO-92	40	0.05	-	-	.16	.14	.09	.07

PNP

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part Number	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA) Max	h_{FE} (mA) @IC	Price Each 1	25	100	250
♦512—MMBTH81		SOT-23	20	0.05	-	5	.09	.08	.05	.04
512—MPSH81		TO-92	20	0.05	-	5	.15	.13	.09	.07

JFETs

N-Channel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part Number	Package	BVgss (V)	I_{DSS} Min (mA)	I_{DSS} Max (mA)	I_{DSS} @V_{DS} (V)	Price Each 1	25	100	250
512—FJN598JABU		TO-92	20	0.1	0.35	5	.06	.05	.04	.03
512—FJN598JATA		TO-92	20	0.1	0.35	5	.06	.05	.04	.03
♦512—FJN598JBTA		SOT-323	20	0.15	0.24	5	.06	.05	.04	.03
♦512—FJN598JBBU		SOT-323	20	0.15	0.24	5	.07	.06	.05	.04
♦512—FJX597JHTF		SOT-323	20	0.15	0.35	5	.11	.10	.07	.06
♦512—FJZ594JTF		SOT-623F	20	0.15	0.35	5	.09	.07	.06	.05
♦512—KSK595HMTF		SOT-23	20	0.15	0.35	5	.07	.05	.04	.03
♦512—FJN598JCBU		SOT-323	20	0.21	0.35	5	.07	.06	.05	.04
♦512—FJN598JCTA		SOT-323	20	0.21	0.35	5	.06	.05	.04	.03
512—2N5457		TO-92	25	1	5	15	.19	.16	.12	.09
512—2N5484		TO-92	25	1	5	15	.17	.15	.11	.08
♦512—MMBF5457		SOT-23	25	1	5	15	.18	.16	.12	.08
♦512—MMBF5484		SOT-23	25	1	5	15	.14	.12	.08	.06
512—2N3819		TO-92	25	2	20	15	.12	.11	.09	.08
512—2N5458		TO-92	25	2	9	15	.24	.21	.15	.13
512—J210		TO-92	25	2	15	15	.19	.16	.10	.09
♦512—MMBF5458		SOT-23	25	2	9	15	.15	.13	.09	.06
♦512—MMBFJ210		SOT-23	25	2	15	15	.30	.25	.18	.14
512—MPF102		TO-92	25	2	20	15	.16	.13	.10	.08
512—2N5459		TO-92	25	4	16	15	.09	.08	.07	.06
512—2N5485		TO-92	25	4	10	15	.17	.15	.11	.08
♦512—MMBF5459		SOT-23	25	4	16	15	.18	.15	.11	.09
♦512—MMBF5485		SOT-23	25	4	10	15	.16	.14	.09	.07
512—J300		TO-92	25	6	30	10	.41	.33	.24	.19
512—J211		TO-92	25	7	20	15	.19	.16	.10	.09
♦512—MMBFJ211		SOT-23	25	7	20	15	.25	.22	.15	.12
512—2N5486		TO-92	25	8	20	15	.24	.20	.15	.13
♦512—MMBF5486		SOT-23	25	8	20	15	.13	.11	.08	.06
512—J110		TO-92	25	10	-	15	.63	.51	.38	.29
512—J309		TO-92	25	12	30	10	.41	.33	.24	.19
♦512—MMBFJ309		SOT-23	25	12	30	10	.19	.17	.11	.09
512—2N5555		TO-92	25	15	-	15	.27	.23	.17	.14
512—J212		TO-92	25	15	40	15	.24	.20	.13	.11
♦512—MMBFJ212		SOT-23	25	15	40	15	.25	.22	.15	.12
512—J310		TO-92	25	24	60	10	.41	.33	.24	.19
♦512—MMBFJ310		SOT-23	25	24	60	10	.19	.17	.12	.08
♦512—MMBF5434		SuperSOT-3	25	30	-	15	.63	.51	.37	.29
512—PN5434		TO-92	25	30	-	15	.48	.41	.31	.23
512—J109		TO-92	25	40	-	15	.63	.51	.38	.29
512—BF246B		TO-92	25	60	140	15	.21	.18	.11	.10
512—BF247A		TO-92	25	60	140	15	.22	.19	.11	.10
512—J108		TO-92	25	80	-	15	.63	.51	.38	.29
♦512—MMBFJ108		SuperSOT-3	25	80	-	15	.59	.49	.35	.27
512—J107		TO-92	25	100	-	15	1.17	.97	.70	.58

JFETs (cont.)

N-Channel (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part Number	Package	BVgss (V)	I_{DSS} Min (mA)	I_{DSS} Max (mA)	I_{DSS} @V_{DS} (V)	Price Each 1	25	100	250
512—PN5432		TO-92	25	150	-	15	.48	.41	.31	.23
512—J106		TO-92	25	200	-	15	1.17	.97	.70	.58
512—J105		TO-92	25	500	-	15	.58	.48	.35	.34
♦512—JFTJ105		SOT-223	25	500	-	15	1.41	1.17	.85	.68
♦512—MMBF4416		SOT-23	30	0.005	0.015	15	.17	.14	.10	.08
512—PN4302		TO-92	30	0.5	5	20	.33	.28	.20	.15
512—J305		TO-92	30	1	8	15	.36	.29	.21	.15
512—2N5246		TO-92	30	1.5	7	15	.18	.15	.11	.08
512—BF244A		TO-92	30	2	6.5	15	.22	.20	.12	.10
512—BF245A		TO-92	30	2	6.5	15	.22	.20	.12	.10
512—2N5953		TO-92	30	2.5	5	15	.12	.10	.07	.06
512—2N5952		TO-92	30	4	8	15	.11	.10	.06	.05
512—PN4303		TO-92	30	4	10	20	.32	.26	.19	.14
512—2N5245		TO-92	30	5	15	15	.16	.14	.11	.10
512—J304		TO-92	30	5	15	15	.45	.36	.25	.19
♦512—MMBF4393		SOT-23	30	5	30	20	.30	.24	.16	.13
512—PN4393		TO-92	30	5	30	20	.22	.18	.13	.10
512—PN4416		TO-92	30	5	15	15	.15	.13	.08	.07
512—BF244B		TO-92	30	6	15	15	.23	.20	.12	.10
512—BF245B		TO-92	30	6	15	15	.23	.21	.12	.11
512—BF256B		TO-92	30	6	13	15	.17	.14	.11	.08
512—2N5951		TO-92	30	7	13	15	.11	.10	.06	.05
512—2N5247		TO-92	30	8	24	15	.24	.21	.14	.12
512—PN4861		TO-92	30	8	80	15	.22	.18	.13	.10
512—TIS75		TO-92	30	8	80	15	.21	.19	.16	.13
512—2N5950		TO-92	30	10	15	15	.11	.10	.06	.05
512—BF256C		TO-92	30	11	18	15	.16	.13	.10	.08
512—BF244C		TO-92	30	12	25	15	.21	.17	.11	.09
512—BF245C		TO-92	30	12	25	15	.22	.20	.12	.10
512—TIS74		TO-92	30	20	100	15	.21	.19	.16	.13
512—2N5639		TO-92	30	25	-	20	.26	.22	.16	.13
♦512—MMBF4392		SOT-23	30	25	75	20	.30	.24	.16	.13
512—PN4392		TO-92	30	25	75	20	.22	.18	.13	.10
512—BF246A		TO-92	30	30	80	15	.21	.18	.11	.10
512—2N5638		TO-92	30	50	-	20	.26	.22	.16	.13
♦512—MMBF4391		SOT-23	30	50	150	20	.30	.24	.16	.13
512—PN4391		TO-92	30	50	150	20	.22	.18	.13	.10
512—J113		TO-92	35	2	-	15	.24	.20	.14	.11
♦512—MMBFJ113		SOT-23	35	2	-	15	.31	.27	.18	.14
512—J112		TO-92	35	5	-	15	.24	.20	.14	.11
♦512—MMBF4416A		SOT-23	35	5	15	15	.14	.11	.07	.06
♦512—MMBFJ112		SOT-23	35	5	-	15	.31	.27	.18	.14
512—J111		TO-92	35	20	-	15	.24	.20	.14	.11
♦512—MMBFJ111		SOT-23	35	20	-	15	.31	.27	.18	.14
♦512—MMBF4117		SOT-23	40	0.03	0.09	10	.36	.27	.21	.17
512—PN4117		TO-92	40	0.03	0.09	10	.25	.21	.15	.13
512—PN4117A		TO-92	40	0.03	0.09	10	.25	.21	.15	.13
♦512—MMBF4118		SOT-23	40	0.08	0.24	10	.33	.27	.20	.16
512—PN4118		TO-92	40	0.08	0.24	10	.25	.21	.15	.13
512—J201		TO-92	40	0.2	1	20	.42	.33	.25	.19
♦512—MMBF4119		SOT-23	40	0.2	0.6	10	.33	.27	.20	.16
♦512—MMBFJ201		SOT-23	40	0.2	1	20	.32	.29	.21	.18
512—PN4119		TO-92	40	0.2	0.6	10	.21	.18	.13	.11
512—J202		TO-92	40	0.9	4.5	20	.42	.33	.25	.19
♦512—MMBFJ202		SOT-23	40	0.9	4.5	20	.32	.29	.21	.18
512—PF5102		TO-92	40	4	20	15	.14	.10	.08	.07
♦512—BSR58		SOT-23	40	8	80	15	.21	.17	.13	.09
♦512—MMBF4093		SOT-23	40	8	-	20	.30	.24	.16	.13
512—PN4093		TO-92	40	8	-	20	.22	.18	.13	.10
♦512—MMBF5103		SOT-23	40	10	40	15	.21	.17	.13	.09
512—PF5103		TO-92	40	10	40	15	.14	.10	.08	.07
♦512—MMBF4092		SOT-23	40	15	-	20	.30	.24	.16	.13
512—PN4092		TO-92	40	15	-	20	.22	.18	.13	.10
512—U1898		TO-92	40	15	-	20	.16	.14	.10	.09
♦512—BSR57		SOT-23	40	20	100	15	.25	.20	.15	.12
♦512—MMBF4091		SOT-23	40	30	-	20	.30	.24	.16	.13
512—PN4091		TO-92	40	30	-	20	.22	.18	.13	.10
512—U1897		TO-92	40	30	-	20	.16	.13	.10	.08
♦512—BSR56		SOT-23	40	50	-	15	.15	.12	.08	.06

P-Channel

For quantities of 500 and up, call for quote.

512—2N3820	TO-92	20	0.3	15	10	.17	.16	.15	.14
512—J177	TO-92	30	1.5	20	15	.48	.41	.30	.24
♦512—MMBFJ177	SOT-23	30	1.5	20	15	.31	.25	.19	.15
512—J176	TO-92	30	2	25	15	.48	.41	.30	.24
512—J270	TO-92	30	2	15	15	.86	.72	.54	.42
♦512—MMBFJ176	SOT-23	30	2	25	15	.36	.29	.22	.17
♦512—MMBFJ270	SOT-23	30	2	15	15	.27	.23	.17	.13
512—P1087	TO-92	30	5	-	20	.21	.18	.16	.13
512—J271	TO-92	30	6	50	15	.86	.72	.54	.42
♦512—MMBFJ271	SOT-23	30	6	50	15	.27	.23	.17	.13
512—J175	TO-92	30	7	60	15	.48	.41	.30	.24
♦512—MMBFJ175	SOT-23	30	7	60	15	.36	.29	.22	.17
512—P1086	TO-92	30	10	-	20	.25	.22	.20	.17
512—J174	TO-92	30	20	100	15	.38	.31	.22	.18
512—2N5460	TO-92	40	1	5	15	.12	.11	.09	.08
♦512—MMBF5460	SOT-23	40	1	5	15	.18	.16	.11	.08
512—2N5461	TO-92	40	2	9	15	.34	.23	.20	.16
♦512—MMBF5461	SOT-23	40	2	9	15	.17	.15	.11	.07
512—2N5462	TO-92	40	4	16	15	.16	.14	.09	.07
♦512—MMBF5462	SOT-23	40	4	16	15	.18	.16	.11	.08

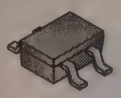
MOUSER a ttl company (800) 346-6873

A

SOT-23

Standard Pin Connections
1. Emitter
2. Base
3. Collector

B



SOT-143, 343, 143R

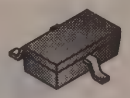
Standard Pin Connections	Reverse Pin Connections
1. Collector	1. Emitter
2. Emitter	2. Collector
3. Base	3. Emitter
4. Emitter	4. Base

C

Mini-3

Standard Pin Connections
1. Emitter
2. Base
3. Collector

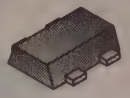
D



SOT-323

Standard Pin Connections
1. Emitter
2. Base
3. Collector

E



M04

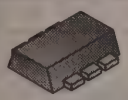
Standard Pin Connections
1. Emitter
2. Collector
3. Emitter
4. Base

F

M05

Standard Pin Connections
1. Base
2. Emitter
3. Collector
4. Emitter

G

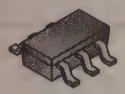


M16

Standard Pin Connections

1. Collector	4. Base
2. Emitter	5. Emitter
3. Emitter	6. Emitter

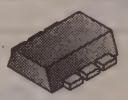
H



SOT-363

Standard Pin Connections for UPA801T UPA806T		Standard Pin Connections for UPA801T UPA812T UPA814T	
1. C1	4. E2	1. C1	4. E2
2. E1	5. B2	2. B2	5. E1
3. C2	6. B1	3. C2	6. B1

I



TD

Standard Pin Connections

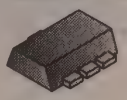
1. C1	4. B2
2. E1	5. E2
3. C2	6. B1

J

M03

Standard Pin Connections
1. Emitter
2. Base
3. Collector

K



M13

Standard Pin Connections
1. Emitter
2. Base
3. Collector

L

M33

Standard Pin Connections
1. Emitter
2. Base
3. Collector

NEW FROM SUPPLIER

NEC CEL California Eastern Laboratories SMALL SIGNAL SILICON BIPOLAR TRANSISTORS

♦ Surface Mount Device

Reverse from standard pinout

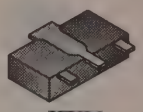
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Test f. (GHz)	NF/GA VCE (V)	NF/GA IC (mA)	NF TYP (dB)	GA TYP (dB)	Insertion Power Gain VCE (V)	Insertion Power Gain IC (mA)	Insertion Power Gain TYP (dB)	fT TYP (GHz)	hFE TYP	IC MAX (mA)	Price Each 1	Price Each 100	Price Each 500	Price Each 1000
Low Current, Low Voltage Applications																	
551-NE97833-A	NE97833-A	A	1.0	-10.0	-3	2.0	7.0	-10.0	-15	10.0	5.5	40	-50	1.96	1.78	1.55	1.32
551-NE97733	NE97733	A	1.0	-8.0	-3	1.5	10.0	-8.0	-20	12.0	8.5	60	-50	3.54	3.22	2.82	2.42
551-NE68039R *	NE68039R	B	1.0	2.5	1	1.2	11.5	2.5	1	13.5	10.0	100	35	.78	.71	.65	.60
551-NE85639R *	NE85639R	B	1.0	2.5	3	13	10.5	2.5	3	13.0	7.0	120	100	.52	.47	.43	.38
551-NE681M03	NE681M03	J	1.0	2.5	3	1.0	13.0	2.5	3	16.0	7.0	110	65	.51	.46	.41	.38
551-NE681M13	NE681M13	K	1.0	3.0	7	1.4	-----	3.0	7	12.0	7.0	110	65	.63	.57	.47	.38
551-NE681M13-A	NE681M13-A	K	1.0	3.0	7	1.4	-----	3.0	7	12.0	7.0	110	65	.63	.57	.47	.38
551-NE68119-A	NE68119-A	C	1.0	8.0	7	1.4	14.0	8.0	20	14.0	7.0	120	65	.50	.45	.40	.39
551-NE68130-A	NE68130-A	D	1.0	8.0	7	1.5	13.5	8.0	20	13.0	7.0	120	65	.59	.54	.48	.44
551-NE68133	NE68133	A	1.0	8.0	7	1.2	13.0	8.0	20	11.0	9.0	100	65	.62	.56	.50	.47
551-NE68139-A	NE68139-A	B	1.0	8.0	7	1.2	13.5	8.0	20	15.0	9.0	100	65	.62	.56	.50	.47
551-NE85619	NE85619	C	1.0	10.0	7	1.4	12.5	3.0	7	9.0	4.5	120	100	.35	.32	.29	.26
551-NE85630-A	NE85630-A	D	1.0	10.0	7	1.3	12.0	10.0	20	12.0	4.5	110	100	.52	.47	.43	.38
551-NE85633-A	NE85633-A	A	1.0	10.0	7	1.4	9.0	10.0	20	11.5	7.0	120	100	.52	.47	.43	.38
551-NE85639-A	NE85639-A	B	1.0	10.0	7	1.5	13.5	10.0	20	13.0	7.0	120	100	.52	.47	.43	.38
551-NESG2107M33-A	NESG2107M33-A	L	2.0	1.0	1	0.9	10.0	1.0	5	9.0	10.0	180	100	.75	.68	.65	.65
551-NE68619-A	NE68619-T1-A	C	2.0	1.0	3	1.5	8.5	1.0	5	9.0	12.0	100	10	.69	.63	.59	.52
551-NE68719-A	NE68719-A	C	2.0	1.0	3	1.3	7.5	1.0	10	7.5	9.0	100	30	.36	.33	.30	.27
551-NESG210719-A	NESG210719-A	C	2.0	1.0	5	0.9	9.0	-----	-----	-----	10.0	180	100	.74	.67	.64	.64
551-NE661M04	NE661M04	E	2.0	2.0	2	1.2	16.0	2.0	5	17.0	25.0	70	12	.58	.53	.46	.40
551-NE856M03-A	NE856M03-A	J	2.0	2.0	2	1.2	10.0	2.0	5	17.0	25.0	70	12	.43	.39	.36	.32
551-NESG2021M05-A	NESG2021M05-A	F	2.0	2.0	3	0.9	18.0	3.0	10	22.5	-----	195	35	.67	.61	.54	.51
551-NESG2021M16-A	NESG2021M16-A	G	2.0	2.0	3	0.9	18.0	3.0	10	22.5	-----	195	35	.68	.62	.55	.51
551-NESG2030M04-A	NESG2030M04-A	E	2.0	2.0	5	0.9	16.0	2.0	20	20.0	60.0	300	35	.64	.58	.51	.45
551-NESG2031M05	NESG2031M05	F	2.0	2.0	5	0.8	17.0	3.0	20	21.5	-----	195	35	.68	.62	.55	.51
551-NESG2031M16-A	NESG2031M16-A	G	2.0	2.0	5	0.8	17.0	3.0	20	21.5	-----	195	35	.69	.63	.56	.53
551-NESG2101M05-A	NESG2101M05-A	F	2.0	2.0	5	0.6	13.0	3.0	50	13.5	-----	130	100	.76	.69	.62	.61
551-NESG2101M16-A	NESG2101M16-A	G	2.0	2.0	5	0.6	13.0	3.0	50	13.5	-----	130	100	.77	.70	.64	.64
551-NE662M04-A	NE662M04-A	E	2.0	2.0	5	1.1	16.0	2.0	20	20.0	23.0	70	35	.56	.51	.44	.38
551-NE663M04	NE663M04	E	2.0	2.0	10	1.2	10.0	2.0	50	15.0	18.0	100	100	.63	.57	.50	.44
551-NE68518-A	NE68518-A	B	2.0	3.0	3	1.5	8.5	3.0	10	11.0	12.0	110	30	.65	.59	.54	.50
551-NE68519-A	NE68519-A	C	2.0	3.0	3	1.5	7.5	3.0	10	9.0	12.0	110	30	.34	.31	.28	.25
551-NE68530	NE68530	D	2.0	3.0	3	1.5	7.0	3.0	10	8.5	12.0	110	30	.74	.67	.62	.56
551-NE68819-A	NE68819-A	C	2.0	3.0	7	1.5	8.0	3.0	20	8.0	9.5	120	100	.34	.31	.28	.25
551-NE68833-A	NE68833-A	A	2.0	3.0	7	1.5	7.5	3.0	20	6.5	8.5	120	100	.62	.56	.50	.47
551-NE68019	NE68019	C	2.0	6.0	5	1.9	9.5	6.0	10	9.0	10.0	120	35	.62	.56	.52	.47
551-NE68030-A	NE68030-A	D	2.0	6.0	5	1.7	9.5	6.0	10	8.5	10.0	100	35	.74	.67	.62	.56
551-NE68033-A	NE68033-A	A	2.0	6.0	5	1.8	9.0	6.0	10	8.0	10.0	100	35	.78	.71	.65	.60
551-NE68039	NE68039	B	2.0	6.0	5	1.7	11.0	6.0	10	9.0	10.0	100	35	.78	.71	.65	.60
551-NESG3031M05-A	NESG3031M05-A	F	5.8	2.0	6	1.1	9.5	3.0	20	8.5	-----	300	35	.72	.65	.58	.58
Low Noise Applications																	
551-UPA801T-A	UPA801T-A	H	1.0	3.0	7	1.2	10.0	3.0	7	9	4.5	120	100	.91	.83	.78	.73
551-UPA810T	UPA810T	H	1.0	3.0	7	1.2	10.0	3.0	7	9.0	4.5	120	100	.91	.83	.78	.73
551-UPA812T	UPA812T	H	1.0	3.0	7	1.4	14.0	3.0	7	12.0	7.0	100	65	1.02	.93	.87	.81
551-UPA895TD-A	UPA895TD-A	I	2.0	1.0	10	1.9	9.0	1.0	15	5.5	5.0	120	100	.74	.67	.61	.61
551-NE851M03-A	NE851M03-A	J	2.0	1.0	15	1.9	---	1.0	15	5.5	6.5	120	100	.63	.57	.47	.38
551-NE851M13-A	NE851M13-A	K	2.0	1.0	15	1.9	---	1.0	15	5.5	6.5	120	100	.63	.57	.47	.38
551-NE894M13-A	NE894M13-A	K	2.0	1.0	20	1.4	---	1.0	20	13	20.0	75	35	.63	.57	.47	.38
551-UPA861TD	UPA861TD	I	2.0	1.0	3/5	1.5/1.4	9.0/12.5	1.0	10/20	9.0/13	12/20	105/75	30/35	.76	.69	.64	.64
551-UPA806T-A	UPA806T-A	H	2.0	3.0	3	1.5	7.5	3.0	10	8.5	12.0	110	30	1.02	.93	.87	.81
551-UPA862TD-A	UPA862TD-A	I	2.0	3.0/1.0	3/10	1.5/1.9	9.5/9.0	3/1	10/15	8.5/5.5	12/5	110/120	30/100	.74	.67	.61	.61

NEC/CEL SMD RF Transistors

NEC CEL California Eastern Laboratories

A — SOT-89-3

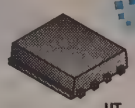


Standard Pin Connections
1. Emitter
2. Collector
3. Base

B — SOT-23-3

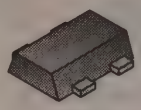
Standard Pin Connections
1. Emitter
2. Base
3. Collector

C — UT — NEW FROM SUPPLIER



Standard Pin Connections
1. Collector (2)
2. N. C.
3. Emitter
4. Base (1)
5. Collector (1)
6. Emitter
7. Base (2)
8. Bias

D — M04



Standard Pin Connections
1. Emitter
2. Collector
3. Emitter
4. Base

E — Mini-3

Standard Pin Connections
1. Emitter
2. Collector
3. Base

F — SOT-323

Standard Pin Connections
1. Emitter
2. Base
3. Collector

G — 79A

Standard Pin Connections
1. Gate
2. Source
3. Drain

H — S01

Standard Pin Connections
1. Source
2. Drain
3. Source
4. Gate

I — SOT-343

Standard Pin Connections
1. Source
2. Drain
3. Source
4. Gate

NEC CEL California Eastern Laboratories SMD SMALL SIGNAL SILICON BIPOLAR TRANSISTORS

Medium Power Applications

♦ Surface Mount Device — For quantities 2000 and up, call for quote

MOUSER STOCK NO.	NEC Part No.	Fig.	Test f. (GHz)	P1dB VCE (V)	P1dB IC (mA)	P1dB PIN (dBm)	P1dB TYP (dB)	MAG VCE (V)	MAG IC (mA)	MAG TYP (dB)	fT TYP (GHz)	hFE TYP	IC MAX (mA)	Price Each 1	100	500	1000
♦551-NESG250134-AZ	NESG250134-AZ	A	0.5	3.6	30	15	29.0	3.6	100	23.0	10.0	120	500	.75	.68	.65	.65
♦551-NESG260234-AZ	NESG260234-AZ	A	0.5	6.0	30	15	30.0	6.0	100	23.0	10.0	120	600	.76	.69	.66	.66
♦551-NE85634-A	NE85634-A	B	1.0	10.0	7	1.5	11.5	10.0	20	9.0	6.5	120	100	1.12	1.02	.87	.75
♦551-NE46134-A	NE46134-A	B	1.0	12.5	100	20.5	27.5	10	50	9	5.5	100	250	1.36	1.24	1.03	.94
♦551-NE461M02-AZ	NE461M02-AZ	B	1.0	12.5	100	19.0	27.5	10	50	11	5.5	120	250	1.71	1.55	1.30	1.17
♦551-NE677M04-A	NE677M04-A	A	1.8	2.8	23	1.0	15.0	3.0	20	16	15	120	50	.84	.76	.66	.57
♦ 551-NE678M04-A	NE678M04-A	A	1.8	2.8	40	7.0	18.0	3.0	30	13.5	12	120	100	.85	.77	.67	.58
♦551-NE664M04-A	NE664M04-A	A	1.8	3.6	200	15.0	26.0	3.0	100	12	20	60	500	1.00	.91	.79	.68
♦551-UPA901TU-A	UPA901TU-A	C	5.6	3.6	90	-3.0	19.0	3.6	52	25	-----	120	300	1.07	.99	.99	.99

Oscillators Applications

♦ Surface Mount Device — For quantities 2000 and up, call for quote

MOUSER STOCK NO.	NEC Part No.	Fig.	Test f. (GHz)	POSC VCE (V)	POSC IC (mA)	POSC TYP (dBm)	fT TYP (GHz)	hFE TYP	IC MAX (mA)	Price Each 1	100	500	1000
♦551-NE58219	NE58219	D	0.9	5.0	5	0.001	5.0	90	60	.42	.38	.34	.29
♦551-NE94433	NE94433	F	2.5	2.5	0.4	0.001	2.0	100	50	.42	.38	.34	.29

NEC CEL California Eastern Laboratories SMD DISCRETE POWER DEVICES

Silicon LD MOSFETs

♦ Surface Mount Device — For quantities 2000 and up, call for quote

MOUSER STOCK NO.	NEC Part No.	Fig.	Test f. (GHz)	GL TYP (dB)	POUT TYP (dBm)	ID TYP (A)	IGSS MAX (nA)	IDSS MAX (V)	RDS (ON) Ω	BVDSS TYP (V)	VDS TYP (GHz)	VGS TYP (V)	PIN TYP (dBm)	Price Each 1	100	500	1000
♦551-NE5520379A-A	NE5520379A-A	G	0.9	15	35	1.5	100	100	0.12	24.0	3.0	2.0	25	4.62	4.20	4.20	4.20
♦551-NE5511279A-A	NE5511279-A	G	0.9	15	40.5	2.75	100	100	---	24.0	20.0	6.0	27	7.71	7.01	7.01	7.01
♦551-NE5520279A	NE5520279A	G	1.8	10	32	0.8	100	100	---	18.0	15.0	5	25	4.91	4.46	4.46	4.46
♦551-NE552R479A	NE552R479A	G	2.45	11	26	230	100	100	2	18.0	3.0	2.0	19	4.08	3.71	3.71	3.71

GaAs Drivers

♦ Surface Mount Device — For quantities 2000 and up, call for quote

MOUSER STOCK NO.	NEC Part No.	Fig.	Freq. Range (GHz)	POUT (dBm)	Gain (dB)	Linear Effeciency @P1dB(%)	Power Added Freq. (GHz)	Test VDS (V)	IDS @ P1dB (mA)	IDS Max (A)	IGS Min/Max (mA)	Price Each 1	100	500	1000
♦551-NE6510179A-A	NE6510179A-A	G	0.4 to 4.0	32.5	10.0	58	1.9	5.0	200	2.8	-25/+25	6.14	5.58	5.58	5.58
♦551-NE651R479A	NE651R479A	G	0.5 to 4.0	29.5	12.0	58	1.9	5.0	50	1	---	5.10	4.64	4.64	4.64

NEC CEL California Eastern Laboratories SMD SMALL SIGNAL GAAS FIELD EFFECT TRANSISTORS

Low Noise Applications

♦ Surface Mount Device — For quantities 2000 and up, call for quote

MOUSER STOCK NO.	NEC Part No.	Fig.	Gate Length (um)	Gate Width (um)	Rec. Freq. Range (GHz)	Test Freq. (GHz)	NF / GA Bias VDS (mA)	NF / GA Bias IDS (mA)	NF OPT (dB)	GA (dB)	Power Bias VDS (mA)	Power Bias IDS (mA)	P1dB (dBm)	Price Each 1	100	500	1000
♦551-NE3210S01-A	NE3210S01-A	H	0.2	160	0.1 to 22.5	12.0	2.0	10	---	13.5	2.0	10	---	1.83	1.66	1.39	1.30
♦551-NE4210S01-A	NE4210S01-A	H	0.2	160	0.1 to 22.5	12.0	2.0	10	---	13.0	2.0	10	---	1.38	1.25	1.05	.93
♦551-NE334S01-A	NE334S01-A	H	0.3	280	2.0 to 14	4.0	2.0	15	0.25	16.0	3.0	30	14	2.92	2.65	2.53	2.28
♦551-NE34018	NE34018	I	0.6	400	0.1 to 6	2.0	2.0	5	16.00	16.0	3.0	30	16	1.43	1.30	1.10	.94
♦551-NE72218	NE72218	I	0.8	400	0.5 to 18	12.0	3.0	30	---	---	3.0	30	15	3.06	2.78	2.44	2.09

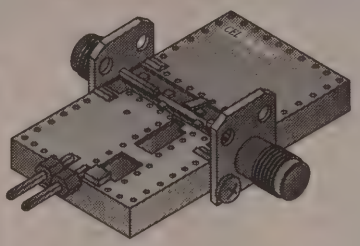
IEC/CEL RF Transistor Evaluation Boards NEC CEL California Eastern Laboratories

luation boards help speed the design process by providing our customers with good examples of working circuit igns. Prototypes are designed, etched and tested in the engineering facility at California Eastern Laboratories.

atures:

- Layout is done in AutoCad®
- Boards are produced on FR4 board material to simulate the production environment
- RF and IF inputs and outputs are ported through SMA connectors
- DC connections are through header pins
- On-board bypass capacitors are provided
- Includes assembly drawings, schematics, datasheet and typical test data

nsistor evaluation boards have been designed for use at industry standard frequencies (900 MHz, 1.9 GHz, 2.4 GHz, etc.) l have been optimized for a variety of specifications (Noise Figure, Gain, Power or Intercept Point)



(Small Signal GaAs Field Effect Transistor Shown)

MALL SIGNAL SILICON BIPOLAR TRANSISTORS

w Current, Low Voltage Applications

MOUSER STOCK NO.	Description	Price Each
E662M04-EVGA09	For evaluation of NE662M04, optimized for gain at 900MHz	109.00
E662M04-EVGA19	For evaluation of NE662M04, optimized for gain at 1.9GHz	109.00
E662M04-EVNF09	For evaluation of NE662M04, optimized for noise figure at 900MHz	109.00
E662M04-EVNF16	For evaluation of NE662M04, optimized for noise figure at 1.6GHz	109.00
E662M04-EVNF19	For evaluation of NE662M04, optimized for noise figure at 1.9GHz	109.00
E662M04-EVNF24	For evaluation of NE662M04, optimized for noise figure at 2.4GHz	109.00
E663M04-EVPW08	For evaluation of NE663M04, optimized for power at 800MHz	109.00
E663M04-EVPW19	For evaluation of NE663M04, optimized for power at 1.9GHz	109.00
ESG2021M05-EVNF58	For evaluation of NESG2021M05, optimized for noise figure at 5.8GHz	120.00
ESG2031M05-EVNF58	For evaluation of NESG2031M05, optimized for noise figure at 5.8GHz	120.00
ESG2101M05-EVPW24	For evaluation of NESG2101M05, optimized for power at 2.4GHz	120.00
ESG3031M05-EVNF16	For evaluation of NESG3031M05-A, optimized for noise figure at 1.6GHz	120.00
ESG3031M05-EVNF24	For evaluation of NESG3031M05-A, optimized for noise figure at 2.4GHz	120.00
ESG3031M05-EVNF58	For evaluation of NESG3031M05-A, optimized for noise figure at 5.8GHz	120.00

iedium Power Applications

MOUSER STOCK NO.	Description	Price Each
E664M04-EVPW09	For evaluation of NE664M04, optimized for power at 900MHz	109.00
E664M04-EVPW24	For evaluation of NE664M04, optimized for power at 2.4GHz	109.00
E678M04-EV09	For evaluation of NE678M04. optimized at 900MHz	109.00

ISCRETE POWER DEVICES

ilicon LD MOSFETs

MOUSER STOCK NO.	Description	Price Each
E5520279A-EVPW09	For evaluation of NE5520279A, optimized for power at 900MHz	162.00
E5520279A-EVPW24	For evaluation of NE5520279A, optimized for power at 2.4GHz	162.00
E5520379A-EVPW09	For evaluation of NE5520379A, optimized for power at 900MHz	162.00
E552R479A-EVPW24	For evaluation of NE552R479A, optimized for power at 2.4GHz	162.00

aAs Drivers

MOUSER STOCK NO.	Description	Price Each
E6500379A-EVPW26	For evaluation of NE6500379A, optimized for power at 2.6GHz	162.00
E6510179A-EVPW19	For evaluation of NE6510179A, optimized for power at 1.9GHz	162.00
E6510179A-EVPW24	For evaluation of NE6510179A, optimized for power at 2.4GHz	162.00
E6510179A-EVPW26	For evaluation of NE6510179A, optimized for power at 2.6GHz	162.00
E6510179A-EVPW35	For evaluation of NE6510179A, optimized for power at 3.5GHz	162.00
E651R479A-EVPW19	For evaluation of NE651R479A, optimized for power at 1.9GHz	162.00
E651R479A-EVPW24	For evaluation of NE651R479A, optimized for power at 2.4GHz	162.00
E651R479A-EVPW26	For evaluation of NE651R479A, optimized for power at 2.6GHz	162.00
E651R479A-EVPW35	For evaluation of NE651R479A, optimized for power at 3.5GHz	162.00

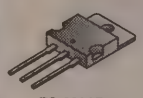
MALL SIGNAL GAAS FIELD EFFECT TRANSISTORS

ow Noise Applications

MOUSER STOCK NO.	Description	Price Each
NE34018-EVGA19	For evaluation of NE34018, optimized for gain at 1.9GHz	109.00
NE34018-EVNF19	For evaluation of NE34018, optimized for noise figure at 1.9GHz	109.00

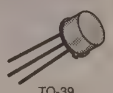
STMICROELECTRONICS Power Bipolar Transistors

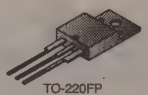
STMicroelectronics


TO-220AB

TO-252

TO-3


TO-39


TO-220FP

TO-218

SOT-93

SOT-32

STMICROELECTRONICS NPN POWER BIPOLAR TRANSISTORS

For quantities 2000 and up, call for quot

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V_{CEO} Max. (V)	IC Max. (A)	V_{CE} (SAT) Max. (V)	V_{CE} (SAT) @ IC (A)	h_{FE} Min/Typ/Max	h_{FE} @ IC (A)	f_T Min/Typ (MHz)	f_T @ IC (A)	Price Each 1	100	500	1000
Surface Mount														
511-MJD31C	MJD31C	TO-252	100	3	1.2	3	10/----/50	3	----/----	----	.65	.39	.25	.21
511-MJD340	MJD340	TO-252	300	0.5	----	----	30/----/240	0.05	----/----	----	.48	.41	.36	.33
Thru Hole														
511-BD435	BD435	SOT-32	32	4	0.5	2	40/130/----	0.01	3/----	0.25	1.04	.81	.75	.73
511-MJE521	MJE521	SOT-32	40	4	----	----	40/----/----	1	----/----	----	.75	.45	.28	.24
511-2N3771	2N3771	TO-3	40	30	4	30	15/----/60	30	0.2/----	1	2.64	1.85	1.32	1.19
511-TIP29A	TIP29A	TO-220AB	60	1	0.7	1	15/----/75	1	----/----	----	.86	.51	.32	.29
511-BD235	BD235	SOT-32	60	2	0.6	1	25/----/----	1	3/----	0.25	.52	.44	.39	.36
511-TIP110	TIP110	TO-220AB	60	2	2.5	2	500/----/----	2	----/----	----	.86	.48	.32	.29
511-TIP31A	TIP31A	TO-220AB	60	3	1.2	3	10/----/50	3	----/----	----	.69	.42	.28	.24
511-2N5191	2N5191	SOT-32	60	4	1.4	4	25/----/100	1.5	2/----	1	.50	.43	.38	.35
511-BD677A	BD677A	SOT-32	60	4	2.8	2	750/----/----	2	----/----	----	1.13	.75	.50	.44
511-BFX34	BFX34	TO-39	60	5	1	5	40/80/150	2	70/100	0.5	1.42	1.21	1.05	.94
511-TIP120	TIP120	TO-220AB	60	5	4	5	1000/----/----	3	----/----	----	.74	.45	.31	.26
511-D44H8	D44H8	TO-220AB	60	10	1	8	40/----/----	4	----/----	----	1.16	.77	.51	.45
511-MJE3055T	MJE3055T	TO-220AB	60	10	8	10	20/----/70	4	2	0.5	.84	.50	.35	.29
511-2N3055	2N3055	TO-3	60	15	3	10	20/----/70	4	3/----	0.5	1.68	1.18	.84	.76
511-MJ3001	MJ3001	TO-3	60	15	3	10	20/----/70	4	3/----	0.5	1.72	1.46	1.28	1.15
511-TIP3055	TIP3055	TO-218	60	15	3	10	20/----/70	4	3/----	0.5	1.76	1.18	.78	.68
511-2N6487	2N6487	TO-220AB	60	15	3.5	15	20/----/150	5	----/----	----	.62	.53	.47	.43
511-2N3772	2N3772	TO-3	60	20	4	20	15/----/60	20	0.2/----	1	3.00	2.10	1.50	1.35
511-BD139	BD139	SOT-32	80	1.5	0.5	0.5	40/----/250	0.15	----/----	----	.40	.34	.30	.28
511-BD237	BD237	SOT-32	80	2	0.6	1	25/----/----	1	3/----	0.25	.54	.46	.41	.38
511-BD241B	BD241B	TO-220AB	80	3	1.2	3	10/----/----	3	----/----	----	.58	.49	.44	.40
511-MJE182	MJE182	SOT-32	80	3	1.7	3	50/----/250	0.1	50/----	0.1	.66	.40	.25	.21
511-2N5192	2N5192	SOT-32	80	4	1.4	4	20/----/80	1.5	2/----	1	.52	.44	.39	.36
511-MJE802	MJE802	SOT-32	80	4	2.5	1.5	750/----/----	1.5	----/----	----	.69	.42	.28	.24
511-BD679A	BD679A	SOT-32	80	4	2.8	2	750/----/----	2	----/----	----	.84	.71	.63	.58
511-TIP121	TIP121	TO-220AB	80	5	4	5	1000/----/----	3	----/----	----	.94	.56	.39	.32
511-BD537	BD537	TO-220AB	80	8	0.8	2	15/----/----	2	3/12	0.5	.78	.66	.59	.54
511-D44H11	D44H11	TO-220AB	80	10	1	8	40/----/----	4	----/----	----	1.03	.69	.46	.40
511-2N6388	2N6388	TO-220AB	80	10	3	10	1000/----/20000	5	----/----	----	1.16	.78	.51	.45
511-TIP141	TIP141	TO-218	80	10	3	10	500/----/----	10	----/----	----	1.86	1.30	.93	.84
511-2N6488	2N6488	TO-220AB	80	15	3.5	15	20/----/150	5	----/----	----	.64	.54	.48	.44
511-2N5886	2N5886	TO-3	80	25	4	25	20/----/100	10	4/----	1	2.98	2.53	2.24	2.06
511-MJ802	MJ802	TO-3	90	30	0.8	7.5	25/----/100	7.5	2/----	1	2.88	2.45	2.16	1.99
511-TIP29C	TIP29C	TO-220AB	100	1	0.7	1	15/----/75	1	----/----	----	.58	.49	.44	.40
511-TIP112	TIP112	TO-220AB	100	2	2.5	2	500/----/----	2	----/----	----	.77	.46	.28	.26
511-TIP31C	TIP31C	TO-220AB	100	3	1.2	3	10/----/50	3	----/----	----	.69	.42	.28	.24
511-BD681	BD681	SOT-32	100	4	2.5	1.5	750/----/----	1.5	----/----	----	.86	.73	.65	.60
511-TIP122	TIP122	TO-220AB	100	5	4	5	1000/----/----	3	----/----	----	.77	.46	.28	.26
511-BD243C	BD243C	TO-220AB	100	6	1.5	6	15/----/----	3	----/----	----	.64	.54	.48	.44
511-TIP41C	TIP41C	TO-220AB	100	6	1.5	6	15/----/75	3	----/----	----	.95	.53	.39	.33
511-TIP41CN	TIP41CN	TO-220AB	100	6	1.5	6	15/----/75	3	----/----	----	.32	.27	.24	.22
511-TIP102	TIP102	TO-220AB	100	8	2.5	8	1000/----/20000	3	----/----	----	.95	.57	.35	.33
511-TIP132	TIP132	TO-220AB	100	8	4	6	1000/----/15000	4	----/----	----	1.03	.72	.51	.46
511-TIP142	TIP142	TO-218	100	10	3	10	500/----/----	10	----/----	----	1.68	1.18	.84	.76
511-TIP33C	TIP33C	TO-218	100	10	4	10	20/----/100	3	3/----	0.5	1.80	1.26	.90	.81
511-2N6059	2N6059	TO-3	100	12	3	12	100/----/----	12	4/----	5	2.67	1.87	1.34	1.20
511-BDW93C	BDW93C	TO-220AB	100	12	3	10	750/----/20000	5	----/----	----	.74	.63	.56	.52
511-BDW93CFP	BDW93CFP	TO-220FP	100	12	3	10	750/----/20000	5	----/----	----	.84	.71	.63	.58
511-BD911	BD911	TO-220AB	100	15	3	10	15/----/150	5	----/----	----	.76	.65	.57	.52
511-MJ4035	MJ4035	TO-3	100	16	4	16	1000/----/----	10	----/----	----	2.20	1.87	1.65	1.52
511-2N6284	2N6284	TO-3	100	20	3	20	750/----/18000	10	----/----	----	3.92	2.54	2.03	1.93
511-TIP35C	TIP35C	TO-218	100	25	4	25	25/----/50	1.5	3/----	1	1.74	1.22	.87	.78
511-BU407	BU407	TO-220AB	150	7	1	5	----/----/----	----	----/10	1	1.36	1.16	1.02	.94
511-BU406	BU406	TO-220AB	200	7	1	5	----/----/----	----	10/----	0.5	1.42	1.21	1.07	.98
511-BU806	BU806	TO-218	200	8	1.5	5	----/----/----	----	----/----	----	1.30	1.11	.98	.90
511-MJE3440	MJE3440	SOT-32	250	0.3	0.5	0.05	50/----/200	0.02	15/----	0.01	.58	.49	.44	.40
511-2N3440	2N3440	TO-39	250	1	0.5	0.5	30/----/----	0.02	15/----	5	1.13	.75	.50	.44
511-TIP47	TIP47	TO-220AB	250	1	1	1	30/----/150	0.3	10/----	10	.77	.46	.31	.26
511-MJE340	MJE340	SOT-32	300	0.5	----	----	30/----/240	0.05	----/----	----	.72	.43	.27	.23
511-2N5657	2N5657	SOT-32	350	0.5	10	0.5	30/----/250	0.1	10/----	0.05	1.03	.69	.46	.40
511-2N3439	2N3439	TO-39	350	1	0.5	0.5	40/----/160	0.02	15/----	5	1.24	.83	.55	.48
511-TIP50	TIP50	TO-220AB	400	1	1	1	30/----/150	0.3	10/----	10	.74	.45	.31	.26
511-BUL89	BUL89	TO-220AB	400	12	5	12	10/----/40	5	----/----	----	2.10	1.79	1.58	1.45
511-BU931P	BU931P	SOT-93	400	15	1.8	10	300/----/----	5	----/----	----	1.98	1.68	1.47	1.32
511-BU941	BU941	TO-3	400	15	2	12	300/----/----	5	----/----	----	2.60	2.21	1.81	1.71
511-2N6547	2N6547	TO-3	400	15	----	----	6/----/----	10	----/----	----	5.00	3.24	2.59	2.46
511-BUL39D	BUL39D	TO-220AB	450	4	1.1	2.5	450/----/----	----	----/----	----	.80	.68	.60	.55
511-BUL38D	BUL38D	TO-220AB	450	5	1.1	3	----/----/60	0.5	----/----	----	1.08	.65	.44	.37
511-BUL510	BUL510	TO-220AB	450	10	1.5	5	15/----/45	1	----/----	----	1.44	1.22	1.08	.99
511-BUV48A	BUV48A	TO-218	450	15	5	12	----/----/----	----	----/----	----	3.27	2.12	1.69	1.61
511-BUX98A	BUX98A	TO-3	450	30	5	24	----/----/----	----	----/----	----	12.10	10.29	9.08	8.35
511-BU208A	BU208A	TO-3	700	8	1	4.5	----/----/----	----	----/7	0.1	2.97	1.93	1.54	1.46
511-BU508A	BU508A	TO-218	700	8	1	4.5	----/----/----	----	----/7	0.1	2.97	2.08	1.49	1.34
511-BUL216	BUL216	TO-220AB	800	4	3	2	12/----/40	0.4	----/----	----	1.68	1.18	.84	.76

STMICROELECTRONICS PNP POWER BIPOLAR TRANSISTORS

For quantities 2000 and up, call for quot

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V_{CEO} Max. (V)	IC Max. (A)	V_{CE} (SAT) Max. (V)	V_{CE} (SAT) @ IC (A)	h_{FE} Min/Typ/Max	h_{FE} @ IC (A)	f_T Min/Typ (MHz)	f_T @ IC (A)	Price Each 1	100	500	1000
Thru Hole														
511-MJE210	MJE210	SOT-32	25	5	1.8	5	45/----/180	2	65/----	0.1	.66	.40	.25	.21
511-2N6111	2N6111	TO-220AB	30	7	3.5	7	30/----/150	2	4/----	0.5	1.05	.70	.46	.41
511-BD534	BD534	TO-220AB	45	8	0.8	2	20/----/----	0.01	3/12	0.5	.72	.61	.54	.50
511-D45H5	D45H5	TO-220AB	45	10	1	8	40/70/----	4	----/----	----	1.43	.95	.62	.54
511-TIP30A	TIP30A	TO-220AB	60	1	0.7	1	15/----/75	1	----/----	----	.86	.48	.32	.29
511-TIP115	TIP115	TO-220AB	60	2	2.5	2	500/----/----	2	----/----	----	.84	.50	.35	.29
511-TIP32A	TIP32A	TO-220AB	60	3	1.2	3	10/----/50	3	----/----	----	.72	.40	.27	.25
511-TIP125	TIP125	TO-220AB	60	5	4	5	1000/----/----	3	----/----	----	.81	.45	.30	.28
511-TIP42A	TIP42A	TO-220AB	60	6	1.5	6	15/----/75	3	----/----	----	1.04	.62	.43	.36
511-TIP105	TIP105	TO-220AB	60	8	2.5	8	1000/----/20000	3	----/----	----	.90	.54	.37	.31
511-TIP135	TIP135	TO-220AB	60	8	4	6	1000/----/15000	4	----/----	----	.66	.56	.50	.46
511-D45H8	D45H8	TO-220AB	60	10	1	8	40/70/----	4	----/----	----	1.05	.70	.46	.41
511-MJE2955T	MJE2955T	TO-220AB	60	10	8	10	20/----/70	4	2	0.5	1.04	.62	.43	.36
511-BD678A	BD678A	SOT-32	60	4	2.8	2	750/----/----	2	----/----	----	.80	.68	.60	.55

MOUSER ELECTRONICS a ttl company • (800) 346-6873

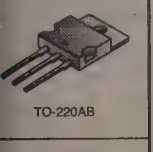
STMICROELECTRONICS Bipolar and Small Signal Transistors

SOT-23-3

SOT-223

SOT-323

SOT-89-3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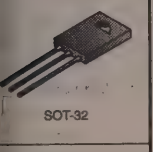
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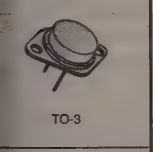
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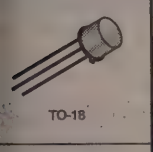
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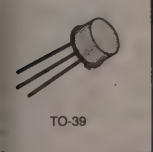
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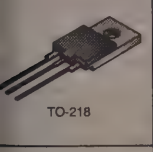

TO-218

TO-92

STMICROELECTRONICS PNP POWER BIPOLAR TRANSISTORS (CONT.)

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V_{CEO} Max. (V)	IC Max. (A)	$V_{CE(SAT)}$ Max. (V)	$V_{CE(SAT)}$ @ IC (A)	h_{FE} Min/Typ/Max	h_{FE} @ IC (A)	f_T Min/Typ (MHz)	f_T @ IC (A)	Price Each 1	100	500	1000
Thru Hole														
511-TIP145	TIP145	TO-218	60	10	3	10	500/----/----	10	----/----	----	1.98	1.39	.99	.89
511-2N6490	2N6490	TO-220AB	60	15	3.5	15	20/----/150	5	----/----	----	.70	.60	.53	.49
511-MJ2955	MJ2955	TO-3	60	15	3	10	20/----/70	4	3/----	0.5	1.26	1.07	.95	.87
511-TIP2955	TIP2955	TO-218	60	15	3	10	20/----/70	4	3/----	0.5	1.26	1.07	.93	.84
511-BD140	BD140	SOT-32	80	1.5	0.5	0.5	40/----/250	0.15	----/----	----	.40	.34	.30	.28
511-BD238	BD238	SOT-32	80	2	0.6	1	25/----/----	1	3/----	0.25	.54	.46	.41	.38
511-BD242B	BD242B	TO-220AB	80	3	1.2	3	10/----/----	3	----/----	----	.58	.49	.44	.40
511-MJE172	MJE172	SOT-32	80	3	1.7	3	50/----/250	0.1	50/----	0.1	.65	.35	.24	.21
511-2N5195	2N5195	SOT-32	80	4	1.2	4	20/----/80	1.5	2/----	1	.99	.59	.41	.34
511-BD680A	BD680A	SOT-32	80	4	2.8	2	750/----/----	2	----/----	----	.84	.71	.63	.58
511-2N6036	2N6036	SOT-32	80	4	3	4	75/----/15000	2	----/----	----	.95	.57	.39	.33
511-TIP126	TIP126	TO-220AB	80	5	4	5	1000/----/----	3	----/----	----	.86	.51	.35	.29
511-D45H11	D45H11	TO-220AB	80	10	1	8	40/70/----	4	----/----	----	1.08	.85	.44	.37
511-MJ2501	MJ2501	TO-3	80	10	4	10	1000/----/----	5	----/----	----	1.74	1.48	1.29	1.16
511-TIP30C	TIP30C	TO-220AB	100	1	0.7	1	15/----/75	1	----/----	----	.72	.40	.27	.25
511-TIP117	TIP117	TO-220AB	100	2	2.5	2	500/----/----	2	----/----	----	.77	.46	.31	.26
511-TIP32C	TIP32C	TO-220AB	100	3	1.2	3	10/----/50	3	----/----	----	.72	.40	.27	.25
511-BD682	BD682	SOT-32	100	4	1.5	2	750/----/----	1.5	----/----	----	.86	.73	.65	.60
511-TIP127	TIP127	TO-220AB	100	5	4	5	1000/----/----	3	----/----	----	.77	.43	.28	.26
511-BD244C	BD244C	TO-220AB	100	6	1.5	6	15/----/----	3	----/----	----	.66	.56	.50	.46
511-TIP42C	TIP42C	TO-220AB	100	6	1.5	6	15/----/75	3	----/----	----	.86	.51	.32	.29
511-TIP42CN	TIP42CN	TO-220AB	100	6	1.5	6	15/----/75	3	----/----	----	.72	.43	.33	.33
511-TIP107	TIP107	TO-220AB	100	8	2.5	8	1000/----/20000	3	----/----	----	.99	.59	.41	.34
511-TIP137	TIP137	TO-220AB	100	8	4	6	1000/----/15000	4	----/----	----	.68	.58	.51	.47
511-TIP147	TIP147	TO-218	100	10	3	10	500/----/----	10	----/----	----	1.91	1.34	.96	.86
511-TIP34C	TIP34C	TO-218	100	10	4	10	20/----/100	3	3/----	0.5	1.65	1.10	.73	.64
511-BDW94C	BDW94C	TO-220AB	100	12	3	10	750/----/20000	5	----/----	----	.74	.63	.56	.52
511-BD912	BD912	TO-220AB	100	15	3	10	15/----/150	5	----/----	----	.80	.68	.60	.55
511-2N6287	2N6287	TO-3	100	20	3	20	750/----/18000	10	----/----	----	3.56	2.31	1.85	1.76
511-TIP36C	TIP36C	TO-218	100	25	4	25	25/----/50	1.5	3/----	1	1.74	1.22	.87	.78
511-2N5415	2N5415	TO-39	200	1	2.5	0.05	30/----/150	0.05	15/----	10	1.20	.80	.53	.46
511-MJE350	MJE350	SOT-32	300	0.5	----	----	30/----/240	0.05	----/----	----	.68	.41	.28	.23
511-2N5416	2N5416	TO-39	300	1	2.5	0.05	30/----/120	0.05	15/----	10	1.20	.80	.53	.46

STMICROELECTRONICS NPN SMALL SIGNAL TRANSISTORS

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V_{CEO} Max. (V)	IC Max. (A)	$V_{CE(SAT)}$ Max. (V)	$V_{CE(SAT)}$ @ IC (A)	h_{FE} Min/Typ/Max	h_{FE} @ IC (A)	f_T Min/Typ (MHz)	f_T @ IC (A)	Price Each 1	100	500	1000
Surface Mount														
511-MMBT3904	MMBT3904	SOT-23-3	40	0.2	0.2	0.05	100/----/300	0.01	250/270	0.01	.32	.12	.062	.051
511-MMBT2222A	MMBT2222A	SOT-23-3	40	0.6	1.0	0.5	100/----/300	0.15	----/270	0.02	.36	.11	.048	.039
511-SO2222A	SO2222A	SOT-23-3	40	0.6	1.0	0.5	100/----/300	0.01	----/270	0.02	.06	.051	.045	.041
511-SO2222AW	SO2222AW	SOT-323	40	0.6	1.0	0.5	100/----/300	0.15	----/270	0.02	.06	.051	.045	.041
511-STF2222A	STF2222A	SOT-89-3	40	0.6	1.0	0.5	100/----/300	0.15	----/270	0.02	.16	.14	.12	.11
511-STZT2222A	STZT2222A	SOT-223	40	0.8	1.0	0.5	100/----/300	0.15	----/270	0.02	.18	.15	.14	.12
511-MMBTA42	MMBTA42	SOT-23-3	300	0.3	0.5	0.02	40/----/----	0.01	50/----	0.01	.23	.11	.059	.049
511-STZTA42	STZTA42	SOT-223	300	0.3	0.5	0.02	40/----/----	0.01	50/----	0.01	.20	.17	.15	.14
Thru Hole														
511-2N3904	2N3904	TO-92	40	0.2	0.2	0.05	100/----300	0.01	250/270	0.01	.32	.15	.081	.067
511-PN2222A	PN2222A	TO-92	40	0.6	1.0	0.5	100/----/300	0.15	----/270	0.02	.43	.16	.081	.068
511-2N2219A	2N2219A	TO-39	40	0.8	1.0	0.5	100/----/300	0.15	250/----	0.02	1.08	.65	.44	.37
511-2N2222A	2N2222A	TO-18	40	0.8	1.0	0.5	100/----/300	0.15	250/----	0.02	.86	.51	.35	.29
511-BC107	BC107	TO-18	45	0.01	0.25	0.01	110/----/450	0.02	----/----	----	.40	.34	.30	.28
511-BC107B	BC107B	TO-18	45	0.01	0.25	0.01	110/----/450	0.02	----/----	----	.40	.34	.30	.28
511-BCY59VIII	BCY59VIII	TO-18	45	0.2	0.7	0.1	180/250/310	0.02	----/200	0.01	.44	.37	.33	.30
511-BCY59IX	BCY59IX	TO-18	45	0.2	0.7	0.1	250/350/460	0.02	----/200	0.01	.44	.37	.33	.30
511-BC141-16	BC141-16	TO-39	60	1.0	1.0	1.0	100/160/250	0.1	50/----	0.05	.54	.46	.41	.38
511-2N3019	2N3019	TO-39	60	1.0	0.5	0.5	100/----/300	0.15	100/----	0.05	1.35	.81	.56	.47
511-2N2102	2N2102	TO-39	65	1.0	0.5	0.15	40/----/120	0.15	----/----	----	1.17	.70	.48	.40
511-2N1711	2N1711	TO-39	75	0.5	1.5	0.15	----/130/300	0.15	70/100	0.05	1.13	.75	.50	.44
511-2N1893	2N1893	TO-39	80	0.5	5.0	0.15	40/80/120	0.15	50/70	0.05	1.13	.75	.50	.44
511-2N720A	2N720A	TO-18	80	0.5	5.0	0.15	40/----/120	0.15	----/----	----	.78	.66	.59	.54
511-2N3700	2N3700	TO-18	80	1.0	0.5	0.5	100/----/300	0.15	100/----	0.05	1.09	.73	.48	.42
511-STPSA42	STPSA42	TO-92	300	0.3	0.5	0.02	40/----/----	0.02	50/----	0.01	.26	.12	.067	.055

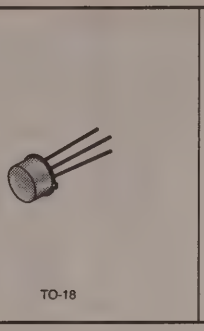
STMICROELECTRONICS PNP SMALL SIGNAL TRANSISTORS

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V_{CEO} Max. (V)	IC Max. (A)	$V_{CE(SAT)}$ Max. (V)	$V_{CE(SAT)}$ @ IC (A)	h_{FE} Min/Typ/Max	h_{FE} @ IC (A)	f_T Min/Typ (MHz)	f_T @ IC (A)	Price Each 1	100	500	1000
Surface Mount														
511-MMBT3906	MMBT3906	SOT-23-3	40	0.2	0.2	0.05	100/----/300	0.01	250/----	0.01	.32	.12	.062	.051
511-PZT3906	PZT3906	SOT-223	40	0.2	0.2	0.05	100/----/300	0.01	250/----	0.01	.18	.15	.14	.12
511-MMBT2907A	MMBTA2907A	SOT-23-3	60	0.6	1.6	0.5	100/----/300	0.15	200/----	0.05	.32	.12	.062	.051
511-SO2907A	SO2907A	SOT-23-3	60	0.6	1.6	0.5	100/----/300	0.01	200/----	0.05	.06	.051	.045	.041
511-SO2907AW	SO2907AW	SOT-323	60	0.6	1.6	0.5	100/----/300	0.15	200/----	0.05	.06	.051	.045	.041
511-MMBTA92	MMBTA92	SOT-23-3	300	0.3	0.5	0.02	40/----/----	0.01	50/----	0.01	.23	.11	.059	.049
511-STZTA92	STZTA92	SOT-223	300	0.3	0.5	0.02	40/----/----	0.01	50/----	0.01	.20	.17	.15	.13
Thru Hole														
511-2N3906	2N3906	TO-92	40	0.2	0.2	0.05	100/----/300	0.01	250/----	0.01	.49	.19	.081	.078
511-2N2905A	2N2905A	TO-39	60	0.6	1.6	0.5	100/----/300	0.15	200/----	0.05	.56	.48	.42	.39
511-2N2907A	2N2907A	TO-18	60	0.6	1.6	0.5	100/----/300	0.15	200/----	0.05	.99	.59	.41	.34
511-PN2907A	PN2907A	TO-92	60	0.6	1.6	0.5	100/----/300	0.15	200/----	0.05	.42	.13	.056	.046
511-2N4033	2N4033	TO-39	80	1.0	0.5	0.5	100/----/300	0.1	150/----	0.05	1.28	.85	.56	.49
511-STPSA92	STPSA92	TO-92	300	0.3	0.5	0.02	40/----/----	0.02	50/----	0.01	.26	.12	.067	.055

SILICONIX JFET Amplifiers & Switches

SOT-23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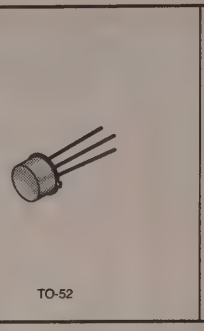
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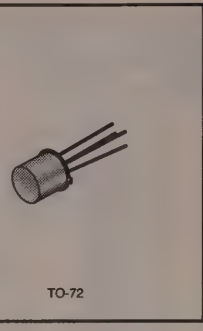

TO-72

TO-92

JFET AMPLIFIERS

N-Channel JFET Amplifiers (Single)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Gate Source Breakdown Voltage (Min)(V)	Drain Source On-Resistance (Max)(Ω)	Gate-Source Cutoff Voltage		Saturation Drain Current		Common-Source Forward Transconductance		Gate Reverse Current		Price Each			
					(Min)(V)	(Max)(V)	(Min)(mA)	(Max)(mA)	(Min)(mS)	(Max)(mS)	(Min)(mS)	(Max)(mS)	1	100	500	1000
Thru-Hole																
781-2N5486	2N5486	TO-92	- 25	150/-----	- 2.0	- 6.0	8	20	4.0	8.0	- 2.0	- 1000	.35	.32	.27	.24
781-2N5485	2N5485	TO-92	- 25	150/-----	- 0.5	- 4.0	4	10	3.5	7.0	- 2.0	- 1000	.40	.36	.31	.27
781-2N5484	2N5484	TO-92	- 25	150/-----	- 0.3	- 3.0	1	5	3.0	6.0	- 2.0	- 1000	.46	.42	.36	.32
781-2N3819	2N3819	TO-92	- 25	150/-----	-----	-8	2.0	20	2.0	6.5	- 2.0	- 2000	.51	.46	.39	.35
781-U310	U310	TO-52	- 25	35/-----	- 2.5	- 6.0	24	60	10.0	-----	- 2.0	- 150	1.36	1.24	1.05	.93
781-J310	J310	TO-92	- 25	35/-----	- 2.0	- 6.5	24	60	8.0	-----	- 2.0	- 1000	.42	.38	.32	.29
781-J308	J308	TO-92	- 25	35/-----	- 1.0	- 6.5	12	60	8.0	-----	- 2.0	- 1000	.42	.38	.32	.29
781-U309	U309	TO-52	- 25	35/-----	- 1.0	- 4.0	12	30	10.0	-----	- 2.0	- 150	1.36	1.24	1.05	.93
781-J309	J309	TO-92	- 25	45/-----	- 1.0	- 4.0	12	30	10.0	-----	- 2.0	- 1000	.42	.38	.32	.29
781-2N4416A	2N4416A	TO-72	- 35	150/-----	- 2.5	- 6.0	5	15	4.5	7.5	-----	- 100	1.34	1.22	1.04	.92
781-2N4117A	2N4117A	TO-72	- 40	11000/-----	- 0.6	- 1.8	0.03	0.09	0.07	0.21	- 0.2	- 1.0	1.46	1.33	1.13	1.00
781-PN4117A	PN4117A	TO-92	- 40	11000/-----	- 0.6	- 1.8	0.03	0.09	0.07	0.21	- 0.2	- 1.0	.75	.68	.58	.51
781-J202	J202	TO-92	- 40	400/-----	- 0.8	- 4.0	0.9	4.5	1.0	-----	-----	- 100	.42	.38	.32	.29
781-PN4119A	PN4119A	TO-92	- 40	4500/-----	- 2.0	- 6.0	0.2	0.6	0.1	0.33	- 0.2	- 1.0	.63	.57	.48	.43
781-PN4118A	PN4118A	TO-92	- 40	7000/-----	- 1.0	- 3.0	0.08	0.24	0.08	0.25	- 0.2	- 1.0	.69	.63	.54	.47
781-J201	J201	TO-92	- 40	750/-----	- 0.3	- 1.5	0.2	1	0.5	-----	-----	- 100	.53	.48	.41	.36
781-2N4339	2N4339	TO-18	- 50	-----/1700	- 0.6	- 1.8	0.5	1.5	0.8	2.4	- 2.0	- 100	1.38	1.25	1.06	.94
781-2N4338	2N4338	TO-18	- 50	-----/2500	- 0.3	- 1.0	0.2	0.6	0.6	1.8	- 2.0	- 100	1.53	1.39	1.18	1.04
781-2N4341	2N4341	TO-18	- 50	-----/800	- 2.0	- 6.0	3.0	9.0	2.0	4.0	- 2.0	- 100	1.38	1.25	1.06	.94

N-Channel JFET Amplifiers (Dual)

For quantities of 2000 and up, call for quote.

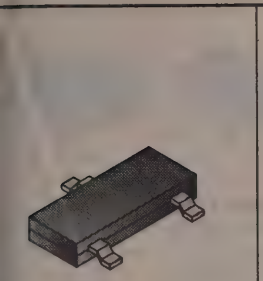
MOUSER STOCK NO.	Siliconix Part No.	Package	Gate Source Breakdown Voltage (Min)(V)	Drain Source On-Resistance (Max)(Ω)	Gate-Source Cutoff Voltage		Saturation Drain Current		Common-Source Forward Transconductance		Gate Reverse Current		Price Each			
					(Min)(V)	(Max)(V)	(Min)(mA)	(Max)(mA)	(Min)(mS)	(Max)(mS)	(Min)(mS)	(Max)(mS)	1	100	500	1000
Thru-Hole																
781-2N5564	2N5564	TO-52	- 40	50/100	- 0.5	- 3.0	5	30	7.5	12.5	-----	- 100	8.32	7.56	6.43	5.67
781-2N5565	2N5565	TO-52	- 40	50/100	- 0.5	- 3.0	5	30	7.5	12.5	-----	- 100	5.23	4.75	4.04	3.56
781-2N5566	2N5566	TO-52	- 40	50/100	- 0.5	- 3.0	5	30	7.5	12.5	-----	- 100	5.23	4.75	4.04	3.56

JFET SWITCHES

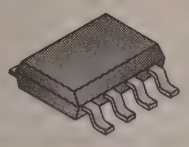
P-Channel JFET Switches

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Gate Source Breakdown Voltage (Min)(V)	Drain Source On-Resistance (Max)(Ω)	Gate-Source Cutoff Voltage		Saturation Drain Current		Gate Operating Current (Typ)(pA)	Common Source Input Cap. (Typ)(pF)	Price Each			
					(Min)(V)	(Max)(V)	(Min)(mA)	(Max)(mA)			1	100	500	1000
Surface Mount														
781-SST174	SST174	SOT-23	- 30	85	5	10	- 20	- 135	100	20	.63	.57	.48	.43
781-SST175	SST175	SOT-23	- 30	125	3	6	- 7	- 70	100	20	.58	.53	.45	.40
781-SST176	SST176	SOT-23	- 30	250	1	4	- 2	- 35	100	20	.58	.53	.45	.40
781-SST177	SST177	SOT-23	- 30	300	0.8	2.25	- 1.5	- 20	100	20	.63	.57	.48	.43
781-SST270	SST270	SOT-23	- 30	- - - - -	0.5	2	- 2	- 15	10	20	.69	.63	.54	.47
781-SST271	SST271	SOT-23	- 30	- - - - -	1.5	4.5	- 6	- 50	10	20	.65	.59	.50	.44
781-SST5462	SST5462	SOT-23	- 40	- - - - -	1.8	9	- 4	- 16	3	4.5	.44	.40	.34	.30
781-SST5460	SST5460	SOT-23	- 40	- - - - -	0.5	6	- 1	- 5	3	4.5	.54	.49	.42	.37
781-SST5461	SST5461	SOT-23	- 40	- - - - -	1	7.5	- 2	- 9	3	4.5	.48	.44	.37	.33
Thru-Hole														
781-2N5114	2N5114	TO-18	- 30	75	5	10	- 30	- 90	5	20	1.67	1.52	1.29	1.14
781-2N5115	2N5115	TO-18	- 30	100	3	6	- 15	- 60	5	20	1.67	1.52	1.29	1.14
781-2N5116	2N5116	TO-18	- 30	150	1	4	-5	- 25	5	20	1.67	1.52	1.29	1.14
781-J174	J174	TO-92	- 30	85	5	10	- 20	- 135	10	20	.56	.51	.43	.38
781-J175	J175	TO-92	- 30	125	3	6	- 7	- 70	10	20	.53	.48	.41	.36
781-J176	J176	TO-92	- 30	250	1	4	- 2	- 35	100	20	.53	.48	.41	.36
781-J177	J177	TO-92	- 30	300	0.8	2.25	- 1.5	- 20	100	20	.56	.51	.43	.38
781-J270	J270	TO-92	- 30	- - - - -	0.5	2	- 2	- 15	10	20	.63	.57	.48	.43
781-2N5460	2N5460	TO-92	- 40	- - - - -	0.5	6	- 1	- 5	3	4.5	.54	.49	.42	.37
781-2N5461	2N5461	TO-92	- 40	- - - - -	1	7.5	- 2	- 9	3	4.5	.54	.49	.42	.37
781-2N5462	2N5462	TO-92	- 40	- - - - -	1.8	9	- 4	- 16	3	4.5	.54	.49	.42	.37



SOT-23



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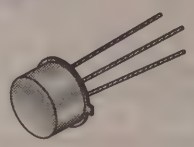

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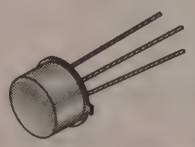

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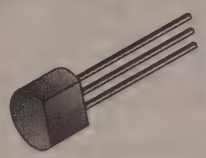


TO-92

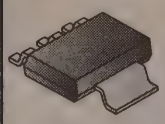
JFET SWITCHES

-Channel JFET Switches

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Gate Source Breakdown Voltage (Min)(V)	Drain Source On-Resistance (Max)(Ω)	Gate-Source Cutoff Voltage (Min)(V)	Gate-Source Cutoff Voltage (Max)(V)	Saturation Drain Current (Min)(mA)	Saturation Drain Current (Max)(mA)	Gate Operating Current (Typ)(pA)	Common Source Input Cap. (Typ)(pF)	Price Each 1	100	500	1000
Surface Mount														
781-SST108	SST108	SOT-23	- 25	8	- 3.0	- 10.0	80	----	- 10	60	.58	.53	.45	.40
781-SST109	SST109	SOT-23	- 25	12	- 2.0	- 6.0	40	----	- 10	60	.67	.61	.52	.46
781-SST110	SST110	SOT-23	- 25	18	- 0.5	- 4.0	10	----	- 10	60	.61	.55	.47	.41
781-SST310	SST310	SOT-23	- 25	35	- 2.0	- 6.5	24	60	- 15	4	.48	.44	.37	.33
781-SST308	SST308	SOT-23	- 25	35	- 1.0	- 6.5	12	60	- 15	4	.48	.44	.37	.33
781-SST309	SST309	SOT-23	- 25	35	- 1.0	- 4.0	12	30	- 15	4	.48	.44	.37	.33
781-SST5486	SST5486	SOT-23	- 25	-----	- 2.0	- 6.0	8	20	- 20	2.2	.42	.38	.32	.29
781-SST441	SST441	SO-8	- 25	-----	- 1.0	- 6.0	6	30	- 1.0	3.5	3.26	2.96	2.52	2.22
781-SST5485	SST5485	SOT-23	- 25	-----	- 0.5	- 4.0	4	10	- 20	2.2	.46	.42	.36	.32
781-SST200	SST200-T1	SOT-23	- 25	-----	- 0.3	- 0.9	0.15	0.150	- 2.0	4.5	.53	.48	.41	.36
781-SST201	SST201	SOT-23	- 25	-----	- 0.3	- 0.9	0.7	1.0	- 2.0	4.5	.58	.53	.45	.40
781-SST204	SST204	SOT-23	- 25	-----	- 0.3	- 2.0	0.7	3.0	- 2.0	4.5	.44	.40	.34	.30
781-SST5484	SST5484	SOT-23	- 25	-----	- 0.3	- 3.0	1	5	- 20	2.2	.44	.40	.34	.30
781-SST4416	SST4416	SOT-23	- 30	150	----	- 6.0	5	15	20	4	.56	.51	.43	.38
781-SST111	SST111	SOT-23	- 35	30	- 3.0	- 10.0	20	----	- 5	12	.48	.44	.37	.33
781-SST112	SST112	SOT-23	- 35	50	- 1.0	- 5.0	5	----	- 5	12	.48	.44	.37	.33
781-SST113	SST113	SOT-23	- 35	100	----	- 3.0	2	----	- 5	12	.48	.44	.37	.33
781-SST4391	SST4391	SOT-23	- 40	30	- 4.0	- 10.0	50	----	- 5	13	.44	.40	.34	.30
781-SST4392	SST4392	SOT-23	- 40	60	- 2.0	- 5.0	25	----	- 5	13	.44	.40	.34	.30
781-SST4393	SST4393	SOT-23	- 40	100	- 0.5	- 3.0	5	----	- 5	13	.44	.40	.34	.30
781-SST404	SST404	SO-8	- 40	250	- 0.5	- 2.5	0.5	10	- 15	8	3.51	3.19	2.71	2.39
781-SST406	SST406	SO-8	- 40	250	- 0.5	- 2.5	0.5	10	- 15	8	3.25	2.95	2.51	2.21
781-SST4119	SST4119	SOT-23	- 40	-----	- 2.0	- 6.0	0.2	0.6	- 0.2	1.2	.63	.57	.48	.43
781-SST4118	SST4118	SOT-23	- 40	-----	- 1.0	- 3.0	0.08	0.24	- 0.2	1.2	.69	.63	.54	.47
781-SST202	SST202	SOT-23	- 40	-----	- 0.8	- 4.0	0.9	4.5	- 2.0	4.5	.48	.44	.37	.33
781-SST4117	SST4117	SOT-23	- 40	-----	- 0.6	- 1.8	0.03	0.09	- 0.2	1.2	.75	.68	.58	.51
Thru-Hole														
781-J105	J105	TO-92	- 25	3	- 4.5	- 10.0	500	-----	- 10	120	2.09	1.90	1.62	1.43
781-2N5432	2N5432	TO-52	- 25	5	- 4.0	- 10.0	150	-----	- 10	20	1.97	1.79	1.52	1.34
781-J106	J106	TO-92	- 25	6	- 2.0	- 6.0	200	-----	- 10	120	1.88	1.71	1.45	1.28
781-2N5433	2N5433	TO-52	- 25	7	- 3.0	- 9.0	100	-----	- 10	20	1.97	1.79	1.52	1.34
781-J108	J108	TO-92	- 25	8	- 3.0	- 10.0	80	-----	- 10	60	.51	.46	.39	.35
781-J107	J107	TO-92	- 25	8	- 0.5	- 4.5	100	-----	- 10	120	1.88	1.71	1.45	1.28
781-2N5434	2N5434	TO-52	- 25	10	- 1.0	- 4.0	30	-----	- 10	20	1.97	1.79	1.52	1.34
781-J109	J109	TO-92	- 25	12	- 2.0	- 6.0	40	-----	- 10	60	.54	.49	.42	.37
781-J110	J110	TO-92	- 25	18	- 0.5	- 4.0	10	-----	- 10	60	.56	.51	.43	.38
781-J111	J111	TO-92	- 35	30	- 3.0	- 10.0	20	-----	- 5	7	.42	.38	.32	.29
781-J112	J112	TO-92	- 35	50	- 1.0	- 5.0	5	-----	- 5	7	.42	.38	.32	.29
781-J113	J113	TO-92	- 35	100	-----	- 3.0	2	-----	- 5	7	.42	.38	.32	.29
781-2N4391	2N4391	TO-18	- 40	30	- 4.0	- 10.0	50	150	- 5	12	1.28	1.16	.99	.87
781-PN4391	PN4391	TO-92	- 40	30	- 4.0	- 10.0	50	150	- 5	12	.48	.44	.37	.33
781-2N4392	2N4392	TO-18	- 40	60	- 2.0	- 6.0	25	75	- 5	12	1.01	.92	.88	.85
781-PN4392	PN4392	TO-92	- 40	60	- 2.0	- 6.0	25	75	- 5	12	.48	.44	.37	.33
781-2N4393	2N4393	TO-18	- 40	100	- 0.5	- 3.0	5	30	- 5	12	1.28	1.16	.99	.87
781-PN4393	PN4393	TO-92	- 40	100	- 0.5	- 3.0	5	30	- 5	12	.48	.44	.37	.33

ZETEX Bipolar Transistors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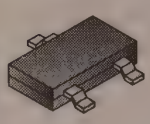
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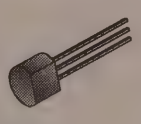
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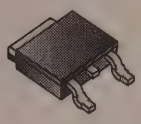
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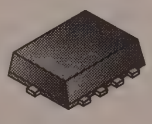
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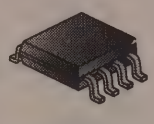
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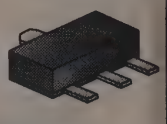
SOT23-6


SOT-89

From its advanced process technology platforms, Zetex produces an extensive range (100 to 500 volts) of bipolar transistors with a global reputation for quality, high performance and package innovation.

Renowned for their low Vce(sat), high hfe and continuous current capability, Zetex bipolar transistors are optimized to provide circuit designers and extremely low on-state losses and high efficiency operation.

Developments in bipolar transistors continue to position the technology to rival or exceed MOSFET performance in many applications. The summary below list the key parametric differences between the 2 technologies.

Characteristics	Bipolar Transistor	MOSFET
"ON" Resistance	Excellent-down to half that of the best MOSFET, depending on drive current available	• Good at full enhancement • Moderate at low gate drive
Blocking Voltage	• Bi-directional blocking capability. • BVces,BVcev or BVcbo may be appropriate for some applications	Mono-directional, may require a series Schottky diode or back-to-back MOSFET pair in some applications
Pulse Current	High	Moderate
Drive Voltage	Less than 1V	1.8 V to 10V, depending on the optimization.

Characteristics	Bipolar Transistor	MOSFET
Temperature stability	Excellent: • Vbe: approx. 2mV per °C • Rce(sat) approx. 0.38% Per °C	Moderate: • Vth: approx. 4-6mV per °C • Rds(on) approx. 0.64% per °C
Drive Power	Moderate	• DC: excellent • High frequency: moderate
Speed	Fast	Very Fast
ESD Sensitivity	Very rugged	Sensitive
Price per area of silicon	Comparable	Comparable

ZETEX RF TRANSISTORS

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO}	I_C	P_D	h_{FE}			f_T	N			Price Each			Reel	
			V	mA	W	Min.	Max.	mA at I_C	MHz	typ db	at f (MHz)	mA at I_C	1	25	100	Qty.	Price Ea.
522-FMMT5179TA	FMMT5179	SOT-23	12	50	0.33	25	250	3	900	4.5	200	1.5	.40	.34	.27	3000	.16
522-FMMT918TA	FMMT918	SOT-23	15	100	0.33	20	- - -	3	600	6	60	1	.40	.34	.27	3000	.16
522-ZTX321	ZTX321	E-Line	15	500	0.5	20	- - -	3	600	6	60	1	.40	.30	.25	2000	.18
522-ZTX325	ZTX325	E-Line	15	25	0.5	20	125	25	600	5	500	2	.40	.30	.25	2000	.18
522-BFS17HTA	BFS17H	SOT-23	15	25	0.33	70	200	2	1300	4.5	500	2	.30	.23	.21	3000	.16
522-FMMTH10TA	FMMTH10	SOT-23	25	25	0.33	60	- - -	4	650	3	500	2	.40	.34	.27	3000	.16

ZETEX MEDIUM POWER TRANSISTORS

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO}	I_C	P_D	h_{FE}			f_T	$V_{CE(sat)}$			Price Each				Reel	
			V	A	W	Min.	Max.	A at I_C	MHz	mV Max	A at I_C	mA at I_B	1	25	100	250	Qty.	Price Ea.
522-ZTX453	ZTX453	E-Line	100	1	1	40	200	0.15	150	700	0.15	15	.40	.30	.25	.22	2000	.18
522-ZTX553	ZTX553	E-Line	-100	-1	1	40	200	-0.15	150	-250	-0.15	-15	.40	.30	.25	.22	2000	.18
522-FMMT451TA	FMMT451	E-Line	60	1	0.5	50	150	0.15	150	350	0.15	15	.40	.34	.27	.21	3000	.16
522-FMMT551TA	FMMT551	SOT23	-60	-1	0.5	50	150	-0.15	150	-350	-0.15	-15	.40	.34	.27	.21	3000	.16
522-ZTX451	ZTX451	E-Line	60	1	1	50	150	0.15	150	350	0.15	15	.40	.30	.25	.22	2000	.18
522-ZTX551	ZTX551	E-Line	-60	-1	1	50	150	-0.15	150	-350	-0.15	-15	.40	.30	.25	.22	2000	.18
522-FMMT593TA	FMMT593	SOT23	-100	-1	0.5	100	300	-0.5	50	-300	-0.5	-50	.40	.34	.27	.21	3000	.16
522-FZT593TA	FZT593	SOT223	-100	-1	2	100	300	-0.5	50	-300	-0.5	-50	.89	.65	.50	.40	2000	.33
522-FZT751TA	FZT751	SOT223	-60	-2	2	100	300	-600	100	-0.5	-3	-200	.99	.75	.60	.50	1000	.39
522-ZTX751	ZTX751	E-Line	-60	-2	1	100	300	-500	100	-0.5	-2	-200	.89	.75	.62	.49	2000	.38
522-FZT753TA	FZT753	SOT223	-100	-2	2	100	300	-0.5	120	-500	-2	-200	.99	.75	.60	.50	1000	.39
522-ZTX753	ZTX753	E-Line	-100	-2	1	100	300	-0.5	120	-500	-2	-200	.89	.75	.62	.49	2000	.38
522-FZT651TA	FZT651	SOT223	60	3	2	100	300	0.5	140	600	3	300	.99	.75	.60	.50	1000	.39
522-ZTX651	ZTX651	E-Line	60	2	1	100	300	0.5	140	500	2	200	.65	.50	.41	.37	2000	.30
522-FMMT491TA	FMMT491	SOT23	60	1	0.5	100	300	0.5	150	500	1	100	.40	.34	.27	.21	3000	.16
522-FMMT493TA	FMMT493	SOT23	100	1	0.5	100	300	0.25	150	300	0.5	50	.40	.34	.27	.21	3000	.16
522-FMMT591TA	FMMT591	SOT23	-60	-1	0.5	100	300	-0.5	150	-600	-1	-100	.40	.34	.27	.21	3000	.16
522-FZT491TA	FZT491	SOT223	60	1	2	100	300	0.5	150	500	1	100	.89	.65	.50	.40	2000	.33
522-FZT493TA	FZT493	SOT223	100	1	2	100	300	0.25	150	300	0.5	50	.89	.65	.50	.40	2000	.33
522-FZT591ATA	FZT591A	SOT223	-60	-1	2	100	300	-0.5	150	-600	-1	-100	.89	.65	.50	.40	2000	.33
522-FZT653TA	FZT653	SOT223	100	2	1	100	300	0.5	175	300	1.2	100	.99	.75	.60	.50	1000	.39
522-ZTX653	ZTX653	E-Line	100	2	1	100	300	0.5	175	300	1.2	100	.65	.50	.41	.37	2000	.30
522-FZT792ATA	FZT792A	SOT223	-70	-2	2	250	-	-0.5	100	-450	-0.5	-5	.99	.75	.60	.50	1000	.39
522-ZTX792A	ZTX792A	E-Line	-70	-2	1	250	-	-0.5	100	-450	-0.5	-5	.80	.65	.50	.41	2000	.34
522-ZX5T951GTA	ZX5T951GTA	SOT-223	-60	-5.5	3	100	300	-2	120	-70	-1	-100	.48	.41	.38	.36	1000	.32
522-ZX5T953GTA	ZX5T953GTA	SOT-223	-100	-5	3	100	300	-1	125	-90	-1	-100	.48	.41	.38	.36	1000	.32
522-ZTX1053A	ZTX1053A	E-Line	75	3	1	300	1200	1	140	150	1	10	.99	.75	.51	.48	2000	.35
522-ZX5T851A	ZX5T851A	E-Line	60	4.5	1	100	300	2	130	65	1	50	.46	.40	.36	.35	2000	.30
522-ZX5T851GTA	ZX5T851GTA	SOT-223	60	6	3	100	300	2	130	70	1	50	.48	.41	.38	.36	1000	.32
522-ZX5T853GTA	ZX5T853GTA	SOT-223	100	6	3	100	300	2	130	65	1	100	.48	.41	.38	.36	1000	.32
522-FMMT722TA	FMMT722	SOT23	-70	-2	0.625	300	-	-0.1	150	-220	-1	-100	.40	.34	.28	.24	3000	.19
522-FMMT723TA	FMMT723	SOT23	-100	-1	0.625	300	-	-0.1	200	-200	-0.5	-50	.40	.34	.28	.24	3000	.19
522-ZTX692B	ZTX692B	E-Line	70	1	1	400	-	0.5	150	500	1	10	.80	.65	.50	.41	2000	.34
522-FMMT493ATA	FMMT493A	SOT23	60	1	0.5	500	1200	0.15	150	500	1	50	.40	.34	.27	.21	3000	.16

IP LOW SATURATION TRANSISTORS

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO}	I_C	P_D	h_{FE}			f_T	$V_{CE(sat)}$			Price Each				Reel	
			V	A	W	Min.	Max.	A at I_C	MHz	mV Max	A at I_C	mA at I_B	1	25	100	250	Qty.	Price Ea.
22-FMMT549TA	FMMT549	SOT23	-30	-1	0.5	100	300	-0.5	100	-500	-1	-100	.40	.34	.27	.21	3000	.16
22-FMMT589TA	FMMT589	SOT23	-30	-1	0.5	100	300	-0.5	100	-350	-1	-100	.40	.34	.27	.21	3000	.16
22-FZT549TA	FZT549	SOT223	-30	-1	2	100	300	-0.5	100	-500	-1	-100	.89	.65	.50	.40	2000	.33
22-FZT589TA	FZT589	SOT223	-30	-2	2	100	300	-0.5	100	-350	-1	-100	.89	.65	.50	.40	2000	.33
22-ZTX549	ZTX549	E-Line	-30	-1	1	100	300	-0.5	100	-500	-1	-100	.40	.30	.25	.22	2000	.18
22-ZTX550	ZTX550	E-Line	-45	-1	1	100	300	-0.15	150	-350	-0.15	-15	.40	.30	.25	.22	2000	.18
22-FZT749TA	FZT749	SOT223	-25	-3	2	100	300	-1	160	-300	-1	-100	.99	.75	.60	.50	1000	.39
22-ZTX749	ZTX749	E-Line	-25	-2	1	100	300	-1	160	-300	-1	-100	.89	.75	.62	.49	2000	.38
22-ZXT10P20DE6TA	ZXT10P20DE6	SOT23-6	-20	-2.5	1.1	150	-	-2	-10	-2	0.22	-1	.50	.39	.35	.31	3000	.23
22-FMMT549ATA	FMMT549A	SOT23	-30	-1	0.5	150	500	-0.5	100	-300	-0.1	-1	.40	.34	.27	.21	3000	.16
22-ZXT953KTC	ZXT953KTC	DPAK	-100	-5	4.2	100	300	-1	125	-100	-1	-100	.98	.84	.77	.73	1000	.63
22-ZXT951KTC	ZXT951KTC	DPAK	-60	-6	4.2	100	300	-2	120	-90	0.1	-100	.98	.84	.77	.73	1000	.63
22-ZXT790AKTC	ZXT790AKTC	DPAK	-40	0.3	3.9	250	800	-0.5	100	-170	-0.5	-5	1.32	.94	.71	.59	2500	.34
22-ZTX1149A	ZTX1149A	E-Line	-25	-3	1	195	800	-2	135	-170	-0.5	-3	.99	.75	.51	.45	2000	.35
22-FZT790ATA	FZT790A	SOT223	-40	-3	2	250	-	-0.5	100	-250	-0.5	-5	.99	.75	.60	.50	1000	.39
22-ZTX789A	ZTX789A	E-Line	-25	-3	1	250	-	-1	100	-250	-1	-10	.80	.65	.50	.41	2000	.32
22-FZT1147ATA	FZT1147A	SOT223	-12	-5	2.5	250	850	-0.5	115	-110	-0.5	2.5	.99	.75	.60	.49	1000	.41
22-ZTX1147A	ZTX1147A	E-Line	-12	-4	1	250	850	-0.5	115	-130	-1	-6	.99	.75	.51	.45	2000	.37
22-FZT1149ATA	FZT1149A	SOT223	-25	-4	2.5	250	800	-0.5	135	-240	-1	-7	.99	.75	.60	.49	1000	.38
22-ZTX1151A	ZTX1151A	E-Line	-40	-3	1	250	800	-0.5	155	-170	-0.5	-5	.99	.75	.51	.45	2000	.35
22-FZT1151ATA	FZT1151A	SOT223	-40	-5	2.5	270	1200	-1	155	-120	-1	-10	.99	.75	.60	.49	1000	.38
22-ZXT13P20DE6TA	ZXT13P20DE6	SOT23-6	-20	-3.5	1.1	300	900	-1	-10	-2	-0.13	-1	.64	.49	.44	.39	3000	.32
22-ZXT13P12DE6TA	ZXT13P12DE6	SOT23-6	-12	-4	1.1	300	900	-1	55	-90	-1	-10	.64	.49	.44	.39	3000	.34
22-ZTX790A	ZTX790A	E-Line	-40	-2	1	300	800	-0.01	100	-250	-0.5	-5	.80	.65	.50	.41	2000	.32
22-FMMT717TA	FMMT717	SOT23	-12	-2.5	0.625	300	-	-0.1	110	17	-0.1	-10	.40	.34	.28	.24	3000	.20
22-FZT717TA	FZT717TA	SOT223	-12	-3	2	300	-	-0.1	110	-17	-0.1	-10	.99	.75	.60	.50	1000	.42
22-ZX5T949GTA	ZX5T949GTA	SOT223	-30	-5.5	3	100	300	-1	100	-45	-0.5	0.2	.48	.41	.38	.36	1000	.32
22-ZX5T2E6TA	ZX5T2E6TA	SOT23-6	-20	-3.5	1.1	300	900	-1	110	-140	-1	-10	.46	.40	.36	.35	3000	.30
22-ZXT10P12DE6TA	ZXT10P12DE6	SOT23-6	-12	-3	1.1	300	-	-0.1	110	-17	-0.1	-10	.50	.39	.35	.31	3000	.25
22-ZXT13P40DE6TA	ZXT13P40DE6	SOT23-6	-40	-3	1.1	300	900	-1	115	-200	-1	-20	.64	.49	.44	.39	3000	.32
22-FMMT591ATA	FMMT591A	SOT23	-40	-1	0.5	300	800	-0.1	150	-200	-0.1	-1	.40	.34	.27	.21	3000	.16
22-FZT591ATA	FZT591A	SOT223	-40	-1	2	300	800	-0.1	150	-200	-0.1	-1	.89	.65	.50	.40	2000	.33
22-FMMT718TA	FMMT718	SOT23	-20	-1.5	0.625	300	-	-0.1	180	-40	-0.1	-10	.40	.34	.28	.24	3000	.19
22-ZTX718	ZTX718	E-Line	-20	-2.5	1	300	-	-0.1	180	-40	-0.1	-10	.89	.75	.62	.49	2000	.38
22-FMMT720TA	FMMT720	SOT23	-40	-1.5	0.625	300	-	-0.1	190	-40	-0.1	-10	.40	.34	.28	.24	3000	.19
22-ZXT10P40DE6TA	ZXT10P40DE6	SOT23-6	-40	-2	1.1	300	-	-0.1	190	-40	-0.1	-10	.50	.39	.35	.31	3000	.23
22-FZT788BTA	FZT788B	SOT223	-15	-3	2	400	-	-1	100	-150	-0.5	-2.5	.99	.75	.60	.50	1000	.42
22-ZTX788B	ZTX788B	E-Line	-15	-3	1	400	-	-1	100	-150	-0.5	-2.5	.85	.72	.62	.54	2000	.45
22-ZX5T3ZTA	ZX5T3ZTA	SOT89	-40	.5.5	2.1	200	550	-0.5	152	-165	-1	-10	.30	.26	.24	.23	1000	.20

PN LOW SATURATION TRANSISTORS

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO}	I_C	P_D	h_{FE}			f_T	$V_{CE(sat)}$			Price Each				Reel	
			V	A	W	Min.	Max.	A at I_C	MHz	mV Max	A at I_C	mA at I_B	1	25	100	250	Qty.	Price Ea.
22-ZXT849KTC	ZXT849KTC	DPAK	30	7	4.2	100	300	1	100	80	1	20	.98	.84	.77	.73	2500	.63
22-FMMT449TA	FMMT449	SOT23	30	1	0.5	100	300	0.5	150	500	1	100	.40	.34	.27	.21	3000	.16
22-FMMT489TA	FMMT489	SOT23	30	1	0.5	100	300	1	150	300	1	100	.40	.34	.27	.21	3000	.16
22-FZT489TA	FZT489	SOT223	30	1	2	100	300	1	150	300	1	100	.53	.41	.37	.33	2000	.25
22-ZTX449	ZTX449	E-Line	30	1	1	100	300	0.5	150	500	1	100	.40	.30	.25	.22	2000	.18
22-ZTX450	ZTX450	E-Line	45	1	1	100	300	0.15	150	250	0.15	15	.40	.30	.25	.22	2000	.18
22-FZT649TA	FZT649	SOT223	25	3	2	100	300	1	240	300	1	100	.99	.75	.60	.50	1000	.39
22-ZTX649	ZTX649	E-Line	25	2	1	100	300	1	240	300	1	100	.65	.50	.41	.37	2000	.30
22-ZXT10N15DE6TA	ZXT10N15DE6	SOT23-6	15	4	1.1	200	-	3	10	2	0.09	1	.50	.39	.35	.31	3000	.23
22-ZXT10N20DE6TA	ZXT10N20DE6	SOT23-6	20	3.5	1.1	200	-	2	10	2	0.135	1	.50	.39	.35	.31	3000	.23
22-ZXT10N50DE6TA	ZXT10N50DE6	SOT23-6	50	3	1.1	200	-	1	10	2	0.2	1	.50	.39	.35	.31	3000	.23
22-FZT1051ATA	FZT1051A	SOT223	40	5	2.5	270	1200	1	155	120	1	10	.99	.75	.58	.50	1000	.42
22-ZXT1053AKTC	ZXT1053AKTC	DPAK	75	5	4	300	1200	1	140	160	1	10	.78	.67	.61	.58	1000	.51
22-ZXT11N15DFTA	ZXT11N15DF	SOT23	15	3	0.625	300	900	0.2	10	2	0.08	1	.39	.30	.27	.24	3000	.19
22-ZXT11N20DFTA	ZXT11N20DF	SOT23	20	2.5	0.625	300	900	0.1	10	2	0.1	1	.39	.30	.27	.24	3000	.19
22-ZXT13N15DE6TA	ZXT13N15DE6	SOT23-6	15	5	1.1	300	900	1	10	2	0.07	1	.64	.49	.44	.39	3000	.32
22-ZXT13N20DE6TA	ZXT13N20DE6	SOT23-6	20	4.5	1.1	300	900	1	10	2	0.075	1	.64	.49	.44	.39	3000	.32
22-ZXT13N50DE6TA	ZXT13N50DE6	SOT23-6	50	4	1.1	300	900	1	10	2	0.1	1	.64	.49	.44	.39	3000	.32
22-ZTX1049A	ZTX1049A	E-Line	30	4	1	300	1200	1	100	60	0.5	10	.99	.75	.51	.45	2000	.35
22-FMMT617TA	FMMT617	SOT23	15	3	0.625	300	-	0.2	120	14	0.1	10	.40	.34	.27	.21	3000	.17
22-FMMT618TA	FMMT618	SOT23	20	2.5	0.625	300	-	0.2	140	15	0.1	10	.40	.34	.27	.21	3000	.17
22-FZT1053ATA	FZT1053A	SOT223	75	4.5	2.5	300	1200	0.5	140	200	1	10	.99	.75	.58	.50	1000	.42
22-ZX5T849GTA	ZX5T849GTA	SOT223	30	7	3	100	300	1	140	110	1	20	.48	.41	.38	.36	1000	.32
22-ZTX618	ZTX618	E-Line	20	3.5	1	300	-	0.2	140	15	0.1	10	.65	.50	.41	.37	2000	.30
22-FMMT491ATA	FMMT491A	SOT23	40	1	0.5	300	900	0.5	150	300	0.5	50	.40	.34	.27	.21	3000	.16
22-FMMT620TA	FMMT620	SOT23	80	1.5	0.625	300	-	0.2	150	23	0.1	10	.40	.34	.27	.21	3000	.17
22-FZT1047ATA	FZT1047A	SOT223	10	5	2.5	300	1200	1	150	40	0.5	10	.99	.75	.58	.50	1000	.42
22-FZT1048ATA	FZT1048A	SOT223	17.5	5	2.5	300	1200	1	150	45	0.5	10	.99	.75	.58	.50	1000	.42
22-FZT491ATA	FZT491A	SOT223	40	1	2	300	900	0.5	150	300	0.5	50	.89	.65	.50	.40	2000	.33
22-ZTX1048A	ZTX1048A	E-Line	17.5	4	1	300	1200	1	150	45	0.5	10	.99	.75	.51	.45	2000	.35
22-ZX5T869GTA	ZX5T869GTA	SOT223	25	7	3	300	-	0.1	210	25	0.1	10	.48	.41	.38	.36	1000	.32
22-ZTX1051A	ZTX1051A	E-Line	40	4	1	300	1200	1	155	110	1	10	.99	.75	.51	.45	2000	.35
22-FMMT619TA	FMMT619	SOT23	50	2	0.625	300	-	0.2	170	20	0.1	10	.40	.34	.27	.21	3000	.17
22-FZT1049ATA	FZT1049A	SOT223	30	5	2.5	300	1200	1	180	60	0.5	10	.99	.75	.58	.50	1000	.42
22-ZXT690BKTC	ZXT690BKTC	DPAK	45	3	3.9	400	-	1	150	80	1	20	1.04	.89	.76	.63	2500	.36
22-FZT690BTA	FZT690B	SOT223	45	3	2	400	-	1	150	100	0.1	0.5	.99	.75	.60	.50	1000	.39
22-FZT692BTA	FZT692B	SOT223	70	2	2	400	-	0.5	150	500	1	10	.99	.75	.60	.50	1000	.42
22-ZTX690B	ZTX690B	E-Line	45	2	1	400	-	1	150	100	0.1	0.5	.80	.65	.50	.41	2000	.33
22-FZT688BTA	FZT688B	SOT223	12	4	2	500	-	0.1	150	40	0.1	1	.99	.75	.60	.50	1000	.39
22-FZT689BTA	FZT689B	SOT223	20	3	2	500	-	0.1	150	100	0.1	0.5	.99	.75	.60	.50	1000	.39
22-ZTX688B	ZTX688B	E-Line	12	3	1	500	-	0.1	150	40	0.1	1	.80	.65	.50	.41	2000	.33
22-ZTX689B	ZTX689B	E-Line	20	3	1	500	-	0.1	150	100	0.1	0.5	.80	.65	.50	.41	2000	.33

ZETEX Bipolar Transistors

ZETEX SEMICONDUCTORS

PNP HIGH VOLTAGE TRANSISTORS

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO}	I_C	P_D	h_{FE}			f_T	$V_{CE(sat)}$			Price Each				Reel	
			V	A	W	Min.	Max.	A at I_C	MHz	mV Max	A at I_C	mA at I_B	1	25	100	250	Qty.	Price Ea
522-FZT757TA	FZT757	SOT223	-300	-0.5	2	40	-	-0.01	30	-500	0.1	-10	.99	.75	.60	.50	1000	.42
522-ZTX757	ZTX757	E-Line	-300	-0.5	1	40	-	-0.01	30	-500	0.1	-10	.89	.75	.62	.49	2000	.38
522-ZTX758	ZTX758	E-Line	400	-0.5	1	50	-	-0.1	50	-500	0.1	-10	.89	.75	.62	.49	2000	.38
522-ZTX557	ZTX557	E-Line	-300	-0.5	1	50	300	-0.05	75	-500	-0.05	-5	.40	.30	.25	.22	2000	.20
522-FMMT555TA	FMMT555	SOT23	-150	-1	0.5	50	300	-0.3	100	-300	-0.1	-10	.40	.34	.27	.21	3000	.17
522-FZT755TA	FZT755	SOT223	-150	-1	2	50	-	-0.5	100	-500	-1	-200	.99	.75	.60	.50	1000	.42
522-ZTX555	ZTX555	E-Line	-150	-1	1	50	300	-0.3	100	-300	-0.1	-10	.40	.30	.25	.22	2000	.20
522-ZTX576	ZTX576	E-Line	-200	-1	1	50	300	-0.3	100	-300	-0.1	-10	.40	.30	.25	.22	2000	.20
522-ZTX755	ZTX755	E-Line	150	-1	1	50	-	-0.5	100	-500	-1	-200	.89	.75	.62	.49	2000	.38
522-FMMT560TA	FMMT560	SOT23	-500	-0.15	0.5	80	-	-0.05	60	-200	0.02	-2	.40	.34	.27	.21	3000	.17
522-FZT560TA	FZT560	SOT223	-500	-0.15	2	80	-	-0.05	60	-200	0.02	-2	.89	.65	.50	.40	2000	.35
522-ZTX560	ZTX560	E-Line	-500	-0.15	1	80	-	-0.05	60	-200	0.02	-2	.40	.30	.25	.22	2000	.20
522-FMMT596TA	FMMT596	SOT23	-200	-0.3	0.5	85	300	-0.25	150	-350	-0.25	-25	.40	.34	.27	.21	3000	.16
522-FMMT558TA	FMMT558	SOT23	-400	-0.15	0.5	100	300	-0.05	50	-500	0.05	-6	.40	.34	.27	.21	3000	.17
522-FZT558TA	FZT558	SOT223	-400	-0.2	2	100	300	-0.05	50	-500	0.05	-6	.89	.65	.50	.40	2000	.35
522-ZTX558	ZTX558	E-Line	-400	-0.2	1	100	300	-0.05	50	-500	0.05	-6	.40	.30	.25	.22	2000	.20
522-FZT795ATA	FZT795A	SOT223	-140	-0.5	2	250	-	-0.2	100	-300	-0.2	-5	.99	.75	.60	.50	1000	.42
522-FZT796ATA	FZT796A	SOT223	-200	-0.5	2	250	-	-0.3	100	-300	-0.2	-20	.99	.75	.60	.50	1000	.42
522-ZTX795A	ZTX795A	E-Line	-140	-0.5	1	250	-	-0.2	100	-300	-0.2	-5	.80	.65	.50	.41	2000	.33
522-ZTX796A	ZTX796A	E-Line	200	-0.5	1	250	-	-0.3	100	-300	-0.2	-20	.80	.65	.50	.41	2000	.33

NPN HIGH VOLTAGE TRANSISTORS

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO}	I_C	P_D	h_{FE}			f_T	$V_{CE(sat)}$			Price Each				Reel	
			V	A	W	Min.	Max.	A at I_C	MHz	mV Max	A at I_C	mA at I_B	1	25	100	250	Qty.	Price E
522-FZT655TA	FZT655	SOT223	150	1	2	50	-	0.5	30	500	0.5	50	.99	.75	.60	.50	1000	.39
522-FZT657TA	FZT657	SOT223	300	0.5	2	50	-	0.1	30	500	0.1	10	.99	.75	.60	.50	1000	.39
522-ZTX655	ZTX655	E-Line	150	1	1	50	-	0.5	30	500	0.5	50	.65	.50	.41	.37	2000	.30
522-ZTX657	ZTX657	E-Line	300	0.5	1	50	-	0.1	30	500	0.1	10	.65	.50	.41	.37	2000	.30
522-FMMT459TA	FMMT459	SOT23	450	0.15	0.625	50	-	0.03	50	75	0.02	2	.40	.34	.27	.21	3000	.16
522-FZT658TA	FZT658TA	SOT223	400	0.5	2	50	-	0.1	50	500	0.1	10	.99	.75	.60	.50	1000	.39
522-ZTX658	ZTX658	E-Line	400	0.5	1	50	-	0.1	50	500	0.1	10	.65	.50	.41	.37	2000	.30
522-ZTX457	ZTX457	E-Line	300	0.5	1	50	300	0.05	75	300	0.1	10	.40	.30	.25	.22	2000	.19
522-FMMT497TA	FMMT497	SOT23	300	0.5	0.5	80	300	0.1	75	200	0.1	10	.40	.34	.27	.21	3000	.16
522-FMMT458TA	FMMT458	SOT23	400	0.225	0.5	100	300	0.1	50	500	0.1	6	.40	.34	.27	.21	3000	.16
522-FZT458TA	FZT458	SOT223	400	0.3	2	100	300	0.05	50	500	0.05	6	.53	.41	.37	.33	2000	.25
522-ZTX458	ZTX458	E-Line	400	0.3	1	100	300	0.1	50	500	0.1	6	.40	.30	.25	.22	2000	.19
522-FMMT455TA	FMMT455	SOT23	140	1	0.5	100	300	0.15	100	700	0.15	15	.40	.34	.27	.21	3000	.16
522-FMMT494TA	FMMT494	SOT23	120	1	0.5	100	300	0.25	100	200	0.25	25	.40	.34	.27	.21	3000	.16
522-FMMT495TA	FMMT495	SOT23	150	1	0.5	100	300	0.25	100	300	0.5	50	.40	.34	.27	.21	3000	.16
522-ZTX455	ZTX455	E-Line	140	1	1	100	300	0.15	100	700	0.15	15	.40	.30	.25	.22	2000	.19
522-FMMT624TA	FMMT624	SOT23	125	1	0.625	300	-	0.2	100	220	0.5	10	.40	.34	.27	.21	3000	.16
522-FMMT625TA	FMMT625	SOT23	150	1	0.625	300	-	0.2	100	200	0.1	1	.40	.34	.27	.21	3000	.16
522-ZTX1056A	ZTX1056A	E-Line	160	3	1	300	1200	0.5	120	300	3	200	.99	.75	.51	.45	2000	.35
522-ZTX1055A	ZTX1055A	E-Line	120	3	1	300	1200	1	130	310	3	150	.99	.75	.51	.45	2000	.35
522-FZT694BTA	FZT694B	SOT223	120	1	2	400	-	0.2	130	250	0.1	0.5	.99	.75	.60	.50	1000	.39
522-ZTX694B	ZTX694B	E-Line	120	1	1	400	-	0.2	130	250	0.1	0.5	.80	.65	.50	.41	2000	.33
522-FZT696BTA	FZT696B	SOT223	180	0.5	2	500	-	0.1	70	250	0.2	5	.99	.75	.60	.50	1000	.39
522-ZTX696B	ZTX696B	E-Line	180	0.5	1	500	-	0.1	70	250	0.2	5	.80	.65	.50	.41	2000	.33

DARLINGTON TRANSISTORS

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO}	I_C	P_D	h_{FE}			f_T	$V_{CE(sat)}$			Price Each				Reel	
			V	A	W	Min.	Max.	A at I_C	MHz	VMax	A at I_C	mA at I_B	1	25	100	250	Qty.	Price E
522-FZT600BTA	FZT600B	SOT223	140	2	2	2k	100k	0.5	150	1.2	1	10	.99	.75	.60	.50	1000	.39
522-FZT603TA	FZT603	SOT223	80	2	2	2k	100k	2	150	1	1	1	.99	.75	.60	.50	1000	.39
522-FZT605TA	FZT605	SOT223	120	2	2	2k	100k	1	150	1.5	1	1	.99	.75	.60	.50	1000	.39
522-ZTX601A	ZTX601A	E-Line	160	1	1	2k	100k	0.5	150	1.2	1	10	.65	.50	.41	.37	2000	.30
522-ZTX605	ZTX605	E-Line	120	1	1	2k	100k	1	150	1.5	1	1	.65	.50	.41	.37	2000	.30
522-FZT705TA	FZT705	SOT223	-120	-2	2	3k	-	-1	160	-1.3	-1	-1	.99	.75	.60	.50	1000	.39
522-ZTX705	ZTX705	E-Line	-120	-1	1	3k	-	-1	160	-1.3	-1	-1	.65	.50	.41	.37	2000	.30
522-ZTX712	ZTX712	E-Line	-60	-0.8	1	3k	30k	-1	160	-1.3	-1	-1	.55	.42	.30	.23	2000	.20
522-FMMT614TA	FMMT614	SOT23	100	0.9	0.5	5k	-	0.5	100	1	0.5	5	.40	.34	.27	.21	3000	.16
522-FMMT38CTA	FMMT38C	SOT23	60	0.3	0.33	10k	-	0.5	100	1.25	0.8	8	.40	.34	.27	.21	3000	.16
522-ZTX601B	ZTX601B	E-Line	160	1	1	10k	100k	0.5	250	1.2	1	10	.65	.50	.41	.37	2000	.30
522-ZTX614	ZTX614	E-Line	100	0.8	1	10k	-	0.5	-	1.25	0.8	8	.40	.30	.25	.22	2000	.18
522-FMMT634TA	FMMT634	SOT23	100	0.9	0.625	15k	-	1	140	0.96	1	5	.40	.34	.27	.21	3000	.16
522-FMMT734TA	FMMT734	SOT23	-100	-0.8	0.625	15k	-	-1	140	-0.97	-0.8	-5	.40	.34	.28	.24	3000	.19

ALD Precision Matched Small Signal MOSFET Arrays

ADVANCED LINEAR DEVICES, INC.

w Threshold Voltage
tented EPAD® Technology
• Near Infinite Current Gain
• Ideal Current Sources and Current Mirrors
• Temperature Range: 0 to 70°C
• Drain Source Breakdown: 10V Min.
• Drain Source on Resistance Match: 0.5% Typ
• Low Voltage and Nanopower Circuits

CHANNEL ENHANCEMENT MODE

♦ Surface Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Description	Package	Threshold Voltage Typ. (V)	Threshold Voltage Tolerance (+/-) (V)	Offset Voltage Max. (mV)	On Drain Current Min. (mA)	Gate Input Leakage Current Max. (pA)	Drain Source On Resistance Max. (Ω)	Drain Source Leakage Current Max. (nA)	Price Each 1	25	100
85—ALD1101APAL	Dual N-Channel Matched Pair MOSFET	DIP-8	0.7	0.3	2	25	50	75	4	4.38	3.48	2.78
85—ALD1101ASAL	Dual N-Channel Matched Pair MOSFET	SO-8	0.7	0.3	2	25	50	75	4	4.38	3.48	2.78
85—ALD1101PA	Dual N-Channel Matched Pair MOSFET	DIP-8	0.7	0.3	10	25	50	75	4	2.69	2.14	1.71
85—ALD1101SAL	Dual N-Channel Matched Pair MOSFET	SO-8	0.7	0.3	10	25	50	75	4	2.85	2.26	1.81
85—ALD1106PBL	Quad N-Channel Matched Pair MOSFET Array	DIP-14	0.7	0.3	10	3	10	500	0.4	1.69	1.34	1.07
85—ALD1106SB	Quad N-Channel Matched Pair MOSFET Array	SO-14	0.7	0.3	10	3	10	500	0.4	1.76	1.39	1.12
85—ALD110802PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	0.2	0.02	10	3	30	500	0.1	2.37	1.88	1.51
85—ALD110802SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	0.2	0.02	10	3	30	500	0.1	2.37	1.88	1.51
85—ALD110808PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	0.8	0.02	10	3	30	500	0.1	1.98	1.57	1.26
85—ALD110808SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	0.8	0.02	10	3	30	500	0.1	1.98	1.57	1.26
85—ALD110808APCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	0.8	0.02	2	3	30	500	0.1	2.80	2.23	1.78
85—ALD110808ASCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	0.8	0.02	2	3	30	500	0.1	2.80	2.23	1.78
85—ALD110814PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	1.4	0.04	10	3	30	500	0.1	2.21	1.76	1.41
85—ALD110814SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	1.4	0.04	10	3	30	500	0.1	2.14	1.70	1.36
85—ALD110902PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	0.2	0.02	10	3	30	500	0.1	1.80	1.43	1.15
85—ALD110902SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	0.2	0.02	10	3	30	500	0.1	1.80	1.43	1.15
85—ALD110908PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	0.8	0.02	10	3	30	500	0.1	1.05	.83	.67
85—ALD110908SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	0.8	0.02	10	3	30	500	0.1	1.23	.98	.78
85—ALD110908APAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	0.8	0.02	2	3	30	500	0.1	1.46	1.16	.93
85—ALD110908ASAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	0.8	0.02	2	3	30	500	0.1	1.50	1.19	.96
85—ALD110914PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	1.4	0.04	10	3	30	500	0.1	1.25	1.00	.80
85—ALD110914SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	1.4	0.04	10	3	30	500	0.1	1.30	1.03	.83
85—ALD1116PA	Dual N-Channel Matched Pair MOSFET	DIP-8	0.7	0.3	10	3	10	500	0.4	1.48	1.18	.94
85—ALD1116SA	Dual N-Channel Matched Pair MOSFET	SO-8	0.7	0.3	10	3	10	500	0.4	1.48	1.18	.94
85—ALD1121EPA	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	1	0.01	5	3	100	500	0.4	1.48	1.18	.94
85—ALD1121ESA	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	1	0.01	5	3	100	500	0.4	1.48	1.18	.94
85—ALD1123EPC	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	1	0.01	5	3	100	500	0.4	2.46	1.95	1.57
85—ALD1123ESC	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	1	0.01	5	3	100	500	0.4	2.46	1.95	1.57

CHANNEL ENHANCEMENT MODE

♦ Surface Mount

For quantities of 250 and up, call for quote.

85—ALD1102PA	Dual P-Channel Matched Pair MOSFET	DIP-8	-0.8	0.4	10	-8	50	270	4	2.69	2.14	1.71
85—ALD1102SAL	Dual P-Channel Matched Pair MOSFET	SO-8	-0.8	0.4	10	-8	50	270	4	2.85	2.26	1.81
85—ALD1102APAL	Dual P-Channel Matched Pair MOSFET	DIP-8	-0.8	0.4	2	-8	50	270	4	4.38	3.48	2.78
85—ALD1102ASAL	Dual P-Channel Matched Pair MOSFET	SO-8	-0.8	0.4	2	-8	50	270	4	4.38	3.48	2.78
85—ALD1107PB	Quad P-Channel Matched Pair MOSFET Array	DIP-14	-0.7	0.3	10	-1.3	10	1800	0.4	1.69	1.34	1.07
85—ALD1107SB	Quad P-Channel Matched Pair MOSFET Array	SO-14	-0.7	0.3	10	-1.3	10	1800	0.4	1.76	1.39	1.12
85—ALD1117PAL	Dual P-Channel Matched Pair MOSFET	DIP-8	-0.7	0.3	10	-1.3	10	1800	0.4	1.48	1.18	.94
85—ALD1117SA	Dual P-Channel Matched Pair MOSFET	SO-8	-0.7	0.3	10	-1.3	10	1800	0.4	1.48	1.18	.94

OMPLEMENTARY N-CHANNEL & P-CHANNEL ENHANCEMENT MODE

♦ Surface Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Description	Package	Threshold Voltage Typ. (V)	Threshold Voltage Tolerance (+/-) (V)	Offset Voltage Max. (mV)	On Drain Current Min. (mA)	Gate Input Leakage Current Max. (pA)	Drain Source On Resistance Max. (Ω)	Drain Source Leakage Current Max. (nA)	Price Each 1	25	100
85—ALD1103PBL	Dual N-Channel & Dual P-Channel Matched Pair MOSFET	DIP-14	0.7/-0.7	0.3 / 0.3	10	25/-8	50	75/270	4	3.17	2.52	2.02
85—ALD1103SBL	Dual N-Channel & Dual P-Channel Matched Pair MOSFET	SO-14	0.7/-0.7	0.3 / 0.3	10	25/-8	50	75/270	4	3.17	2.52	2.02
85—ALD1105PBL	Dual N-Channel & Dual P-Channel Matched Pair MOSFET	DIP-14	0.7/-0.7	0.3 / 0.3	10	3/-1.3	50	500/1800	0.4	1.98	1.57	1.26
85—ALD1105SBL	Dual N-Channel & Dual P-Channel Matched Pair MOSFET	SO-14	0.7/-0.7	0.3 / 0.3	10	3/-1.3	50	500/1800	0.4	1.98	1.57	1.26

-CHANNEL ZERO THRESHOLD MODE

♦ Surface Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Description	Package	Threshold Voltage Typ. (V)	Threshold Voltage Tolerance (+/-) (V)	Offset Voltage Max. (mV)	On Drain Current Min. (mA)	Gate Input Leakage Current Max. (pA)	Drain Source On Resistance Max. (Ω)	Drain Source Leakage Current Max. (nA)	Price Each 1	25	100
85—ALD110800PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	0.0	0.02	10	3	30	500	0.1	2.37	1.88	1.51
85—ALD110800SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	0.0	0.02	10	3	30	500	0.1	2.37	1.88	1.51
85—ALD110800APCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	0.0	0.01	2	3	30	500	0.1	3.08	2.44	1.96
85—ALD110800ASCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	0.0	0.01	2	3	30	500	0.1	3.01	2.39	1.91
85—ALD110900PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	0.0	0.02	10	3	30	500	0.1	1.80	1.43	1.15
85—ALD110900SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	0.0	0.02	10	3	30	500	0.1	1.80	1.43	1.15
85—ALD110900APAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	0.0	0.01	2	3	30	500	0.1	2.35	1.86	1.49
85—ALD110900ASAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	0.0	0.01	2	3	30	500	0.1	2.35	1.86	1.49

-CHANNEL DEPLETION MODE

♦ Surface Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Description	Package	Threshold Voltage Typ. (V)	Threshold Voltage Tolerance (+/-) (V)	Offset Voltage Max. (mV)	On Drain Current Min. (mA)	Gate Input Leakage Current Max. (pA)	Drain Source On Resistance Max. (Ω)	Drain Source Leakage Current Max. (nA)	Price Each 1	25	100
85—ALD114804PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	-0.4	0.04	20	3	30	75	0.1	2.37	1.88	1.51
85—ALD114804SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	-0.4	0.04	20	3	30	75	0.1	2.37	1.88	1.51
85—ALD114804APCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	-0.4	0.02	5	3	30	75	0.1	3.08	2.44	1.96
85—ALD114804ASCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	-0.4	0.02	5	3	30	75	0.1	3.08	2.44	1.96
85—ALD114813PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	-1.3	0.04	20	3	30	75	0.1	2.37	1.88	1.51
85—ALD114813SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	-1.3	0.04	20	3	30	75	0.1	2.37	1.88	1.51
85—ALD114835PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	-3.5	0.05	20	3	30	75	0.1	2.60	2.06	1.65
85—ALD114835SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	-3.5	0.05	20	3	30	75	0.1	2.60	2.06	1.65
85—ALD114904PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	-0.4	0.04	20	3	30	75	0.1	1.80	1.43	1.15
85—ALD114904SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	-0.4	0.04	20	3	30	75	0.1	1.80	1.43	1.15
85—ALD114904APAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	-0.4	0.02	5	3	30	75	0.1	2.21	1.76	1.41
85—ALD114904ASAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	-0.4	0.02	5	3	30	75	0.1	2.21	1.76	1.41
85—ALD114913PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	-1.3	0.04	20	3	30	75	0.1	1.80	1.43	1.15
85—ALD114913SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	-1.3	0.04	20	3	30	75	0.1	1.80	1.43	1.15
85—ALD114935PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	-3.5	0.05	20	3	30	75	0.1	1.98	1.57	1.26
85—ALD114935SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	-3.5	0.05	20	3	30	75	0.1	1.98	1.57	1.26

FAIRCHILD Power MOSFETs

FAIRCHILD SEMICONDUCTOR

LOW POWER MOSFETS

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	VDS (V)	RDS (ON) Max @ VGS= 10V(Ω)	4.5V(Ω)	2.5V(Ω)	1.8V(Ω)	Qg nC	ID A	PD W	Price Each 1	25	100	250
Single P-Channel														
♦ 512-FDZ208P	FDZ208P	BGA-30	-30	0.0105	0.0165	-	-	25	12.5	2.2	4.84	3.63	3.03	2.42
♦ 512-FDS7079ZN3	FDS7079ZN3	SO-8	-30	0.0075	0.0115	-	-	39	16	3.13	2.88	2.16	1.80	1.44
♦ 512-FDS9435A	FDS9435A	SO-8	-30	0.05	0.08	-	-	10	5.3	2.5	.88	.65	.55	.44
♦ 512-NDS9435A	NDS9435A	SO-8	-30	0.05	0.08	-	-	10	5.3	2.5	.80	.66	.58	.48
♦ 512-NDT456P	NDT456P	SOT-223	-30	0.03	0.045	-	-	47	7.5	3	2.13	1.77	1.55	1.27
♦ 512-FDN358P	FDN358P	SOT-23	-30	0.125	0.2	-	-	4	1.5	0.5	.58	.44	.37	.29
♦ 512-NDS352AP	NDS352AP	SOT-23	-30	0.3	0.5	-	-	2	0.9	0.5	.30	.25	.22	.18
♦ 512-NDS356AP	NDS356AP	SOT-23	-30	0.2	0.3	-	-	3.4	1.1	0.5	.52	.43	.38	.30
♦ 512-NDC652P	NDC652P	SSOT-6	-30	0.11	0.18	-	-	10.5	2.4	1.6	.72	.60	.51	.42
♦ 512-FDW256P	FDW256P	TSSOP-8	-30	0.0135	0.02	-	-	28	8	1.3	3.17	2.38	1.98	1.59
♦ 512-FDV302P	FDV302P	SOT-23	-25	-	10	13	-	0.22	0.12	0.35	.23	.17	.13	.11
♦ 512-FDV304P	FDV304P	SOT-23	-25	-	1.1	1.5	-	1.1	0.46	0.35	.50	.37	.30	.23
♦ 512-FDZ202P	FDZ202P	BGA-12	-20	-	0.045	0.075	-	9	5.5	2	1.84	1.38	1.15	.92
♦ 512-FDZ206P	FDZ206P	BGA-30	-20	-	0.0095	0.0145	-	38	13	2.2	1.52	1.14	.95	.76
♦ 512-FDZ204P	FDZ204P	BGA-6	-20	-	0.045	0.075	-	9	4.5	1.8	.96	.72	.60	.48
♦ 512-FDZ299P	FDZ299P	BGA-7	-20	-	0.055	0.08	-	6.6	4.6	1.7	1.14	.86	.71	.57
♦ 512-FDJ129P	FDJ129P	SC75-6	-20	-	0.07	0.12	-	4	4.2	1.6	1.00	.75	.63	.51
♦ 512-FDN338P	FDN338P	SOT-23	-20	-	0.115	0.155	-	4.4	1.6	0.5	.58	.43	.34	.27
♦ 512-NDS332P	NDS332P	SOT-23	-20	-	0.3	0.41	-	3.7	1	0.5	.42	.35	.29	.23
♦ 512-FDC697P	FDC697P	SSOT-6	-20	-	0.02	0.025	0.035	39	8	1.9	1.43	1.13	.98	.83
♦ 512-FDC638P	FDC638P	SSOT-6	-20	-	0.048	0.065	-	10	4.5	1.6	.64	.47	.38	.30
512-FDP4020P	FDP4020P	TO-220	-20	-	0.08	0.11	-	9.5	16	37.5	1.67	1.25	1.05	.84
512-NDP6020P	NDP6020P	TO-220	-20	-	0.05	0.075	-	25	24	60	1.39	1.15	1.02	.83
♦ 512-FDB6021P	FDB6021P	TO-263	-20	-	0.03	0.04	0.065	20	28	37	1.23	.91	.77	.62
♦ 512-NDB6020P	NDB6020P	TO-263	-20	-	0.05	0.075	-	25	24	60	1.07	.90	.78	.65
♦ 512-FDW252P	FDW252P	TSSOP-8	-20	-	0.0125	0.018	-	41	8.8	1.3	2.61	1.96	1.63	1.31
♦ 512-FDW254P	FDW254P	TSSOP-8	-20	-	0.012	0.015	0.0215	60	9.2	1.3	2.10	1.58	1.31	1.05
♦ 512-FDW262P	FDW262P	TSSOP-8	-20	-	0.047	0.065	0.1	13	4.5	1.3	1.87	1.40	1.17	.93
♦ 512-FDW258P	FDW258P	TSSOP-8	-12	-	0.011	0.014	0.02	61	9	1.3	2.38	1.79	1.48	1.19
Single N-Channel														
♦ 512-FDZ201N	FDZ201N	BGA-12	20	-	0.018	0.03	-	11	9	2	1.68	1.26	1.05	.84
♦ 512-FDZ203N	FDZ203N	BGA-6	20	-	0.018	0.03	-	11	7.5	1.6	1.24	.93	.78	.62
♦ 512-FDZ298N	FDZ298N	BGA-7	20	-	0.027	0.039	-	7	6	1.7	1.44	1.08	.90	.72
♦ 512-FDG311N	FDG311N	SC70-6	20	-	0.115	0.15	-	3	1.9	0.75	.62	.45	.36	.28
♦ 512-FDS6064N3	FDS6064N3	SO-8	20	-	0.004	0.005	0.007	70	23	3	3.60	2.70	2.25	1.80
♦ 512-FDS6162N7	FDS6162N7	SO-8	20	-	0.0035	0.005	-	52	23	3	4.32	3.24	2.70	2.16
♦ 512-FDN335N	FDN335N	SOT-23	20	-	0.07	0.1	-	3.5	1.7	0.5	.51	.39	.32	.26
♦ 512-FDV305N	FDV305N	SOT-23	20	-	0.22	0.3	-	1.1	0.9	0.35	.73	.55	.45	.36
♦ 512-NDS331N	NDS331N	SOT-23	20	-	0.16	0.21	-	3.5	1.3	0.5	.39	.32	.28	.22
♦ 512-NDS335N	NDS335N	SOT-23	20	-	0.11	0.14	-	6.4	1.7	0.5	.42	.35	.30	.25
512-FDU6512A	FDU6512A	TO-251	20	-	0.021	0.031	-	12	36	43	2.29	1.71	1.43	1.15
♦ 512-FDD6530A	FDD6530A	TO-252	20	-	0.032	0.047	-	6.5	21	33	.88	.66	.55	.45
♦ 512-FDV301N	FDV301N	SOT-23	25	-	4	5	-	0.49	0.22	0.35	.19	.14	.12	.09
♦ 512-FDV303N	FDV303N	SOT-23	25	-	0.45	0.6	-	1.64	0.68	0.35	.39	.28	.22	.18
♦ 512-FDZ7064N	FDZ7064N	BGA-30	30	0.007	0.008	-	-	31	13.5	2.2	3.84	2.88	2.40	1.92
♦ 512-FDZ5047N	FDZ5047N	BGA-36	30	0.0029	0.0045	-	-	52	22	2.8	5.00	3.75	3.13	2.50
♦ 512-FDS6670A	FDS6670A	SO-8	30	0.008	0.01	-	-	21	13	2.5	2.80	2.10	1.74	1.39
♦ 512-FDS6680A	FDS6680A	SO-8	30	0.0095	0.013	-	-	16	12.5	2.5	1.76	1.33	1.11	.88
♦ 512-FDS6690A	FDS6690A	SO-8	30	0.0125	0.017	-	-	12	11	2.5	1.09	.81	.68	.55
♦ 512-FDS7060N7	FDS7060N7	SO-8	30	0.005	0.007	-	-	35	19	3	3.60	2.70	2.25	1.80
♦ 512-FDS7066N3	FDS7066N3	SO-8	30	0.0055	0.0065	-	-	43	23	3	3.52	2.64	2.20	1.76
♦ 512-FDS7082N3	FDS7082N3	SO-8	30	0.006	0.008	-	-	38	17.5	3	3.92	2.94	2.45	1.96
♦ 512-FDS7088N7	FDS7088N7	SO-8	30	0.003	0.004	-	-	37	23	3	4.40	3.30	2.75	2.20
♦ 512-FDS7096N3	FDS7096N3	SO-8	30	0.009	0.012	-	-	16	14	3	2.00	1.50	1.25	1.00
♦ 512-FDN337N	FDN337N	SOT-23	30	-	0.065	0.082	-	7	2.2	0.5	.58	.44	.36	.29
♦ 512-FDN357N	FDN357N	SOT-23	30	0.06	0.09	-	-	4.2	1.9	0.5	.57	.43	.36	.28
♦ 512-NDS351AN	NDS351AN	SOT-23	30	0.16	0.25	-	-	1.3	1.4	0.5	.36	.30	.26	.21
♦ 512-NDS355AN	NDS355AN	SOT-23	30	0.085	0.125	-	-	3.5	1.7	0.5	.44	.36	.32	.26
♦ 512-FDC796N	FDC796N	SSOT-6	30	0.009	0.012	-	-	14	12.5	1.8	1.76	1.32	1.10	.88
♦ 512-NDC651N	NDC651N	SSOT-6	30	0.06	0.09	-	-	10	3.2	1.6	.65	.54	.48	.40
♦ 512-FDR4420A	FDR4420A	SSOT-8	30	0.009	0.013	-	-	23	11	1.8	2.11	1.58	1.32	1.06
512-FDP6030BL	FDP6030BL	TO-220	30	0.018	0.024	-	-	12	40	60	1.14	.85	.73	.58
512-FDP6030L	FDP6030L	TO-220	30	0.013	0.017	-	-	13	48	52	1.49	1.11	.93	.74
512-FDP6035AL	FDP6035AL	TO-220	30	0.0125	0.017	-	-	17	48	58	1.38	1.04	.87	.70
512-FDP6670AL	FDP6670AL	TO-220	30	0.0065	0.0085	-	-	24	80	68	2.30	1.72	1.44	1.16
512-FDP7030BL	FDP7030BL	TO-220	30	0.009	0.012	-	-	17	60	60	1.70	1.28	1.07	.85
512-FDP7030L	FDP7030L	TO-220	30	0.007	0.01	-	-	24	80	68	2.35	1.76	1.47	1.18
512-FDP7042L	FDP7042L	TO-220	30	0.0075	0.009	-	-	32	50	83	1.56	1.17	.98	.78
512-FDP7045L	FDP7045L	TO-220	30	0.0045	0.006	-	-	41	100	107	3.68	2.76	2.30	1.84
512-FDP8030L	FDP8030L	TO-220	30	0.0035	0.0045	-	-	120	80	187	7.55	5.68	4.75	3.82
512-FDU6030BL	FDU6030BL	TO-251	30	0.016	0.022	-	-	22	42	50	1.77	1.32	1.10	.89
512-FDU6612A	FDU6612A	TO-251	30	0.02	0.028	-	-	9	30	36	1.93	1.46	1.21	.97
512-FDU6680A	FDU6680A	TO-251	30	0.0095	0.013	-	-	14	56	60	2.61	1.96	1.63	1.30
512-FDU6692	FDU6692	TO-251	30	0.012	0.0145	-	-	18	54	57	2.05	1.54	1.29	1.03
♦ 512-FDD6670A	FDD6670A	TO-252	30	0.008	0.01	-	-	18	66	63	2.05	1.55	1.29	1.03
♦ 512-FDB6030BL	FDB6030BL	TO-263	30	0.018	0.024	-	-	12	40	60	1.17	.88	.74	.59
♦ 512-FDB6035AL	FDB6035AL	TO-263	30	0.0125	0.017	-	-	17	48	58	1.19	.90	.75	.60
♦ 512-FDB7030L	FDB7030L	TO-263	30	0.007	0.01	-	-	24	80	68	2.47	1.85	1.54	1.24
Dual P-Channel														
♦ 512-FDS9953A	FDS9953A	SO-8	-30	0.13	0.2	-	-	2.5	2.9	2	1.11	.83	.69	.55
♦ 512-FDC6506P	FDC6506P	SSOT-6	-30	0.17	0.28	-	-	2.3	1.8	0.96	.86	.62	.51	.39
♦ 512-FDG6302P	FDG6302P	SC70-6	-25	-	10	13	-	0.22	0.14	0.3	.39	.30	.24	.19
♦ 512-FDG6304P	FDG6304P	SC70-6	-25	-	1.1	1.5	-	1.1	0.41	0.3	.68	.49	.38	.29
♦ 512-FDC6302P	FDC6302P	SSOT-6	-25	-	10	13	-	0.22	0.12	0.9	.85	.64	.53	.43
♦ 512-FDC6304P	FDC6304P	SSOT-6	-25	-	1.1	1.5	-	1.1	0.46	0.9	.84	.64	.53	.43
♦ 512-FDG6306P	FDG6306P	SC70-6	-20	-	0.42	0.63	-	1.4	0.6	0.3	.51	.37	.31	.26
♦ 512-FDG6308P	FDG6308P	SC70-6	-20	-	0.4	0.55	0.8	1.8	0.6	0.3	.67	.51	.42	.34
♦ 512-FDS9933A	FDS9933A	SO-8	-20	-	0.075	0.105	-	8	3.8	2	1.17	.89	.74	.58

FAIRCHILD Power MOSFETs

...W POWER MOSFETS (CONT.)

FAIRCHILD SEMICONDUCTOR

♦ Surface Mount Device

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MOUSER STOCK NO.	Fairchild Part No.	Package	VDS (V)	RDS (ON) Max @ VGS= 10V (Ω)	4.5V(Ω)	2.5V(Ω)	1.8V(Ω)	Qg nC	ID A	PD W	Price Each 1	25	100	250
...al P-Channel (cont.)														
...512-FDC6306P	FDC6306P	SSOT-6	-20	-	0.17	0.25	-	3	1.9	0.96	.52	.38	.31	.24
...512-FDC6310P	FDC6310P	SSOT-6	-20	-	0.125	0.19	-	3.7	2.2	0.96	.65	.49	.40	.33
...512-FDC6312P	FDC6312P	SSOT-6	-20	-	0.115	0.155	0.225	4.4	2.3	0.96	.51	.37	.31	.23
...512-NDH8304P	NDH8304P	SSOT-8	-20	-	0.07	0.095	-	16	2.7	0.8	1.78	1.49	1.31	1.07
...512-FDW2502P	FDW2502P	TSSOP-8	-20	-	0.035	0.057	-	14	4.4	1	2.52	1.89	1.58	1.26
...512-FDW2504P	FDW2504P	TSSOP-8	-20	-	0.043	0.07	-	9.7	3.8	1	1.96	1.47	1.23	.98
...512-FDW2506F	FDW2506P	TSSOP-8	-20	-	0.022	0.033	-	21	5.3	1	2.89	2.17	1.81	1.45
...512-FDG6316P	FDG6316P	SC70-6	-12	-	0.27	0.36	0.65	1.7	0.7	0.3	.61	.46	.38	.30
...512-FDW2508P	FDW2508P	TSSOP-8	-12	-	0.018	0.022	0.03	26	6	1.3	2.23	1.67	1.40	1.12
...al N-Channel														
...512-FDS9926A	FDS9926A	SO-8	20	-	0.03	0.043	-	6.2	6.5	2	.95	.71	.60	.47
...512-FDC6401N	FDC6401N	SSOT-6	20	-	0.07	0.095	-	3.3	3	0.96	.83	.62	.51	.42
...512-FDW2501N	FDW2501N	TSSOP-8	20	-	0.018	0.028	-	14	6	1	1.28	.96	.81	.64
...512-FDW2503N	FDW2503N	TSSOP-8	20	-	0.021	0.035	-	12	5.5	1	1.94	1.44	1.18	.92
...512-FDW9926A	FDW9926A	TSSOP-8	20	-	0.032	0.045	-	6.1	4.5	1	2.24	1.68	1.40	1.12
...512-FDG6301N	FDG6301N	SC70-6	25	-	4	5	-	0.29	0.22	0.3	.50	.36	.30	.22
...512-FDG6303N	FDG6303N	SC70-6	25	-	0.45	0.6	-	1.64	0.5	0.3	.43	.33	.27	.21
...512-FDC6301N	FDC6301N	SSOT-6	25	-	4	5	-	0.49	0.22	0.9	.67	.50	.42	.33
...512-FDC6303N	FDC6303N	SSOT-6	25	-	0.45	0.6	-	1.64	0.68	0.9	.59	.44	.37	.29
...512-FDS6912A	FDS6912A	SO-8	30	0.028	0.035	-	-	5.8	6	1.6	1.61	1.21	1.01	.81
...512-FDS6930A	FDS6930A	SO-8	30	0.04	0.055	-	-	5	5.5	2	1.04	.77	.64	.52
...512-FDS6961A	FDS6961A	SO-8	30	0.09	0.14	-	-	2.1	3.5	2	.96	.70	.57	.44
...512-FDS6990A	FDS6990A	SO-8	30	0.018	0.023	-	-	12	7.5	1.6	1.65	1.23	1.03	.82
...512-NDS9956A	NDS9956A	SO-8	30	0.08	0.11	-	-	9.5	3.7	2	1.00	.84	.74	.60
...512-FDC6561AN	FDC6561AN	SSOT-6	30	0.095	0.145	-	-	2.1	2.5	0.9	1.02	.76	.62	.51
...ncFET - N-Channel														
...512-FDZ7064S	FDZ7064S	BGA-30	30	0.0072	0.0088	-	-	25	13.5	2.2	3.92	2.94	2.45	1.96
...512-FDS6670S	FDS6670S	SO-8	30	0.009	0.0125	-	-	24	13.5	2.5	2.55	1.92	1.59	1.28
...512-FDS6676S	FDS6676S	SO-8	30	0.0052	0.006	-	-	43	14.5	2.5	1.92	1.44	1.20	.96
...512-FDS6680S	FDS6680S	SO-8	30	0.011	0.017	-	-	17	11.5	2.5	1.50	1.13	.94	.75
...512-FDS6690S	FDS6690S	SO-8	30	0.016	0.025	-	-	17	10	2.5	2.88	2.16	1.80	1.44
...512-FDS7064SN3	FDS7064SN3	SO-8	30	0.008	0.0095	-	-	25	16	3.13	3.48	2.61	2.18	1.74
...512-FDS7066SN3	FDS7066SN3	SO-8	30	0.0055	0.006	-	-	41	19	3	4.28	3.21	2.68	2.14
...512-FDS7764S	FDS7764S	SO-8	30	0.0075	0.009	-	-	25	13.5	2.5	2.52	1.89	1.58	1.26
...512-FDN372S	FDN372S	SOT-23	30	0.04	0.05	-	-	5.8	2.6	0.5	.89	.67	.55	.44
...512-FDD6670S	FDD6670S	TO-252	30	0.009	0.0125	-	-	17	64	70	2.72	2.04	1.70	1.36
...512-FDD6676S	FDD6676S	TO-252	30	0.006	0.0071	-	-	41	78	70	2.00	1.50	1.25	1.00
...512-FDD6680S	FDD6680S	TO-252	30	0.011	0.017	-	-	17	55	60	1.45	1.09	.90	.73
...512-FDB6670S	FDB6670S	TO-263	30	0.0085	0.0105	-	-	23	62	62.5	3.36	2.52	2.10	1.68
...512-FDB6690S	FDB6690S	TO-263	30	0.0155	0.023	-	-	11	42	48	2.04	1.53	1.27	1.02
...ual (MOSFET & SyncFET) N-Channel														
...512-FDS6900S	FDS6900S	SO-8	30	0.03	0.037	-	-	8	6.9	2	1.60	1.20	1.00	.80
...512-FDS6982S	FDS6982S	SO-8	30	0.016	0.022	-	-	17.5	8.6	2	1.58	1.18	.99	.79
...512-FDS6984S	FDS6984S	SO-8	30	0.019	0.028	-	-	11	8.5	2	1.64	1.23	1.03	.82
...512-FDS6986S	FDS6986S	SO-8	30	0.029	0.038	-	-	6.5	6.5	2	3.20	2.40	2.00	1.60
...512-FDS6994S	FDS6994S	SO-8	30	0.021	0.026	-	-	8	6.9	2	2.52	1.89	1.57	1.26
...ual Common Drain - N-Channel														
...512-FDW2507N	FDW2507N	TSSOP-8	20	-	0.019	0.023	-	20	7.5	1.6	1.77	1.33	1.11	.89
...512-FDW2515NZ	FDW2515NZ	TSSOP-8	20	-	0.029	0.04	-	9	5.8	1.6	1.10	.83	.69	.55
...onolithic Common Drain - N-Channel														
...512-FDZ2553N	FDZ2553N	BGA-18	20	-	0.014	0.02	-	12	9.6	2.1	1.64	1.23	1.03	.82
...512-FDZ2553NZ	FDZ2553NZ	BGA-18	20	-	0.014	0.02	-	13	9.6	2.1	2.76	2.07	1.73	1.38
...onolithic Common Drain - P-Channel														
...512-FDZ2554P	FDZ2554P	BGA-18	-20	-	0.028	0.045	-	14	6.5	2.1	1.80	1.35	1.13	.90
...512-FDZ2554PZ	FDZ2554PZ	BGA-18	-20	-	0.028	0.045	-	15	6.5	2.1	2.16	1.62	1.35	1.08
...omplementary N & P Channel														
...512-FDC6420C	FDC6420C	SSOT-6	20	-	0.07	0.095	-	3.3	3	0.96	.72	.60	.51	.43
			-20	-	0.125	0.19	-	3.7	2.2	0.96				
...512-FDW2520C	FDW2520C	TSSOP-8	20	-	0.018	0.028	-	14	6	1	2.29	1.72	1.42	1.14
			-20	-	0.035	0.057	-	14	4.4	1				
...512-FDW2521C	FDW2521C	TSSOP-8	20	-	0.021	0.035	-	12	5.5	1	1.83	1.53	1.31	1.09
			-20	-	0.043	0.07	-	9.7	3.8	1				
...512-FDG6321C	FDG6321C	SC70-6	25	-	0.45	0.6	-	1.64	0.5	0.3	.58	.44	.37	.29
			-25	-	1.1	1.5	-	1.1	0.41	0.3				
...512-FDG6322C	FDG6322C	SC70-6	25	-	4	5	-	1.1	0.22	0.3	.48	.35	.30	.23
			-25	-	1.1	1.5	-	1.4	0.41	0.3				
...512-FDC6320C	FDC6320C	SSOT-6	25	-	-	-	5	-	0.29	0.22	0.9	.54	.39	.33	.26
			-25	-	-	13	-	0.23	0.12	0.9				
...512-FDC6321C	FDC6321C	SSOT-6	25	-	0.45	-	-	-	1.64	0.68	0.9	.65	.49	.42	.32
			-25	-	1.1	-	-	1.1	0.46	0.9				
...512-FDG6321C	FDG6321C	SC70-6	25	-	0.45	0.6	-	-	1.64	0.5	0.3	.58	.44	.37	.29
			-25	-	1.1	1.5	-	1.1	0.41	0.3				
...512-FDG6322C	FDG6322C	SC70-6	25	-	-	4	5	-	1.1	0.22	0.3	.48	.35	.30	.23
			-25	-	1.1	1.5	-	1.4	0.41	0.3				
...512-FDC6320C	FDC6320C	SSOT-6	25	-	-	-	5	-	0.29	0.22	0.9	.54	.39	.33	.26
			-25	-	-	13	-	0.23	0.12	0.9				
...512-FDC6321C	FDC6321C	SSOT-6	25	-	0.45	-	-	-	1.64	0.68	0.9	.65	.49	.42	.32
			-25	-	1.1	-	-	1.1	0.46	0.9				
...512-FDC6322C	FDC6322C	SSOT-6	25	-	-	-	5	-	0.49	0.22	0.9	.65	.50	.42	.33
			-25	-	-	1.5	-	1	0.46	0.9				
...512-FDS8958A	FDS8958A	SO-8	30	0.028	0.04	-	-	-	10.7	7	2	1.57	1.18	.98	.78
			-30	0.052	0.08	-	-	9.6	5	2				
...512-NDS9952A	NDS9952A	SO-8	30	0.08	-	-	-	-	9.5	3.7	2	1.08	.91	.79	.66
			-30	0.13	-	-	-	10	2.9	2				
...512-FDC6333C	FDC6333C	SSOT-6	30	0.095	0.15	-	-	-	4.7	2.5	0.96	.82	.68	.58	.48
			-30	0.15	0.22	-	-	4.1	2	0.96				

FAIRCHILD Power MOSFETs

FAIRCHILD SEMICONDUCTOR

MEDIUM POWER MOSFETs

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	VDS (V)	RDS (ON) Max @ VGS= 10V(Ω)	4.5V(Ω)	2.5V(Ω)	1.8V(Ω)	Qg nC	ID A	PD W	Price Each 1	25	100	250
SingleP-Channel														
512-FQP3P20	FQP3P20	TO-220	-200	2.7	-	-	-	6	2.8	52	.83	.69	.50	.40
512-SFP9610	SFP9610	TO-220	-200	3	-	-	-	9	1.8	20	.85	.71	.52	.43
512-SFP9630	SFP9630	TO-220	-200	0.8	-	-	-	29	6.5	70	1.26	1.06	.76	.61
512-SFP9640	SFP9640	TO-220	-200	0.5	-	-	-	46	11	123	1.84	1.56	1.14	.93
512-FQPF3P20	FQPF3P20	TO-220F	-200	2.7	-	-	-	6	2.2	32	.88	.73	.52	.43
512-SFS9610	SFS9610	TO-220F	-200	3	-	-	-	9	1.4	13	.86	.72	.51	.41
512-SFS9620	SFS9620	TO-220F	-200	1.5	-	-	-	15	3	28	1.00	.84	.60	.48
512-SFS9640	SFS9640	TO-220F	-200	0.5	-	-	-	46	6.2	40	1.97	1.65	1.18	.96
512-FQI3P20TU	FQI3P20TU	TO-262	-200	2.7	-	-	-	6	2.8	52	1.01	.84	.59	.46
512-SFI9610TU	SFI9610TU	TO-262	-200	3	-	-	-	9	1.8	20	.99	.83	.59	.47
♦ 512-FQB3P20TM	FQB3P20TM	TO-263	-200	2.7	-	-	-	6	2.8	52	1.01	.84	.59	.46
♦ 512-FQB5P20TM	FQB5P20TM	TO-263	-200	1.4	-	-	-	10	4.8	75	1.13	.93	.66	.54
♦ 512-SFW9610TM	SFW9610TM	TO-263	-200	3	-	-	-	9	1.8	20	.99	.83	.59	.47
♦ 512-SFW9620TM	SFW9620TM	TO-263	-200	1.5	-	-	-	15	3.5	38	1.09	.92	.65	.52
512-FQA12P20	FQA12P20	TO-3P	-200	0.47	-	-	-	31	12.6	150	2.37	1.97	1.42	1.15
512-SFH9240	SFH9240	TO-3P	-200	0.5	-	-	-	46	11	126	2.58	2.15	1.54	1.24
512-FQAF12P20	FQAF12P20	TO-3PF	-200	0.47	-	-	-	31	11.5	70	2.23	1.86	1.34	1.08
512-SFF9240	SFF9240	TO-3PF	-200	0.5	-	-	-	46	7.6	60	2.43	2.03	1.46	1.18
512-FQP5P10	FQP5P10	TO-220	-100	1.05	-	-	-	6.3	4.5	40	.85	.70	.51	.41
512-FQP8P10	FQP8P10	TO-220	-100	0.53	-	-	-	12	8	65	.92	.76	.54	.44
512-SFP9510	SFP9510	TO-220	-100	1.2	-	-	-	9	3.6	32	.79	.66	.48	.38
512-SFP9520	SFP9520	TO-220	-100	0.6	-	-	-	16	6	49	.94	.79	.57	.46
512-SFP9540	SFP9540	TO-220	-100	0.2	-	-	-	43	17	132	1.43	1.20	.87	.72
512-FQPF5P10	FQPF5P10	TO-220F	-100	1.05	-	-	-	6.3	2.9	23	.89	.74	.54	.43
512-FQPF8P10	FQPF8P10	TO-220F	-100	0.53	-	-	-	12	5.3	28	1.02	.84	.59	.46
512-SFS9510	SFS9510	TO-220F	-100	1.2	-	-	-	9	2.5	16	.82	.68	.49	.39
512-SFS9520	SFS9520	TO-220F	-100	0.6	-	-	-	16	4.6	29	.95	.80	.57	.47
512-SFS9540	SFS9540	TO-220F	-100	0.2	-	-	-	43	10.7	53	1.44	1.19	.85	.70
512-FQU8P10TU	FQU8P10TU	TO-251	-100	0.53	-	-	-	12	6.6	44	1.14	.98	.84	.71
512-FQI5P10TU	FQI5P10TU	TO-262	-100	1.05	-	-	-	6.3	4.5	40	.92	.78	.56	.45
512-FQI8P10TU	FQI8P10TU	TO-262	-100	0.53	-	-	-	12	8	65	1.04	.87	.62	.50
512-SFI9510TU	SFI9510TU	TO-262	-100	1.2	-	-	-	9	3.6	32	.91	.75	.54	.44
♦ 512-FQB12P10TM	FQB12P10TM	TO-263	-100	0.29	-	-	-	21	11.5	75	1.19	.99	.72	.59
♦ 512-FQB5P10TM	FQB5P10TM	TO-263	-100	1.05	-	-	-	6.3	4.5	40	.92	.78	.56	.45
♦ 512-FQB8P10TM	FQB8P10TM	TO-263	-100	0.53	-	-	-	12	8	65	1.04	.87	.62	.50
♦ 512-SFW9510TM	SFW9510TM	TO-263	-100	1.2	-	-	-	9	3.6	32	.91	.75	.54	.44
♦ 512-SFW9520TM	SFW9520TM	TO-263	-100	0.6	-	-	-	16	6	49	1.08	.91	.66	.53
♦ 512-SFW9530TM	SFW9530TM	TO-263	-100	0.3	-	-	-	30	10.5	66	1.20	1.00	.72	.59
512-FQA17P10	FQA17P10	TO-3P	-100	0.19	-	-	-	30	18	120	1.87	1.56	1.15	.93
512-FQA22P10	FQA22P10	TO-3P	-100	0.125	-	-	-	40	24	150	2.12	1.78	1.28	1.04
512-SFH9140	SFH9140	TO-3P	-100	0.2	-	-	-	43	19	166	1.99	1.67	1.21	.98
512-FQAF17P10	FQAF17P10	TO-3PF	-100	0.19	-	-	-	30	12.4	56	1.88	1.56	1.13	.91
512-FQAF22P10	FQAF22P10	TO-3PF	-100	0.125	-	-	-	40	16.6	70	2.19	1.83	1.32	1.06
512-SFF9140	SFF9140	TO-3PF	-100	0.2	-	-	-	43	13	80	1.87	1.56	1.13	.92
512-NDT2955	NDT2955	SOT-223	-60	0.3	0.5	-	-	11	2.5	3	.60	.50	.44	.35
512-FQP11P06	FQP11P06	TO-220	-60	0.175	-	-	-	13	11.4	53	.93	.78	.55	.42
512-FQP17P06	FQP17P06	TO-220	-60	0.12	-	-	-	21	17	79	1.23	1.02	.74	.58
512-SFF9140	SFF9140	TO-3PF	-100	0.2	-	-	-	43	13	80	1.87	1.56	1.13	.92
♦ 512-NDT2955	NDT2955	SOT-223	-60	0.3	0.5	-	-	11	2.5	3	.60	.50	.44	.35
512-FQP11P06	FQP11P06	TO-220	-60	0.175	-	-	-	13	11.4	53	.93	.78	.55	.42
512-FQP17P06	FQP17P06	TO-220	-60	0.12	-	-	-	21	17	79	1.23	1.02	.74	.58
512-FQP7P06	FQP7P06	TO-220	-60	0.41	-	-	-	6.3	6.7	45	.79	.66	.48	.38
512-SFP2955	SFP2955	TO-220	-60	0.3	-	-	-	15	9.4	49	.92	.77	.55	.44
512-SFP9Z14	SFP9Z14	TO-220	-60	0.5	-	-	-	9	6.7	38	.75	.63	.46	.36
512-SFP9Z24	SFP9Z24	TO-220	-60	0.28	-	-	-	15	9.7	49	.91	.75	.55	.45
512-SFP9Z34	SFP9Z34	TO-220	-60	0.14	-	-	-	30	18	82	1.12	.93	.68	.53
512-FQPF11P06	FQPF11P06	TO-220F	-60	0.175	-	-	-	13	8.6	30	.86	.73	.53	.42
512-FQPF17P06	FQPF17P06	TO-220F	-60	0.12	-	-	-	21	12	39	1.22	1.03	.74	.60
512-FQPF7P06	FQPF7P06	TO-220F	-60	0.41	-	-	-	6.3	5.3	24	.74	.62	.43	.34
512-SFS2955	SFS2955	TO-220F	-60	0.3	-	-	-	15	7.3	29	.97	.81	.59	.47
512-SFS9Z14	SFS9Z14	TO-220F	-60	0.5	-	-	-	9	5.3	24	.84	.71	.51	.40
512-SFS9Z24	SFS9Z24	TO-220F	-60	0.28	-	-	-	15	7.5	29	.98	.81	.59	.47
512-SFS9Z34	SFS9Z34	TO-220F	-60	0.14	-	-	-	30	12	36	1.24	1.03	.74	.58
512-FQU17P06TU	FQU17P06TU	TO-251	-60	0.135	-	-	-	21	12	44	1.17	.97	.83	.69
512-FQI11P06TU	FQI11P06TU	TO-262	-60	0.175	-	-	-	13	11.4	53	1.16	.97	.70	.55
512-FQI17P06TU	FQI17P06TU	TO-262	-60	0.12	-	-	-	21	17	79	1.19	1.00	.86	.72
512-FQI27P06TU	FQI27P06TU	TO-262	-60	0.07	-	-	-	33	27	120	1.68	1.41	1.19	1.00
512-FQI7P06TU	FQI7P06TU	TO-262	-60	0.41	-	-	-	6.3	7	45	1.03	.85	.62	.49
512-SFI2955TU	SFI2955TU	TO-262	-60	0.3	-	-	-	15	9.4	49	1.01	.84	.60	.49
512-SFI9Z14TU	SFI9Z14TU	TO-262	-60	0.5	-	-	-	9	6.7	38	.94	.79	.56	.45
512-SFI9Z24TU	SFI9Z24TU	TO-262	-60	0.28	-	-	-	15	9.7	49	1.04	.88	.62	.50
512-SFI9Z34TU	SFI9Z34TU	TO-262	-60	0.14	-	-	-	30	18	82	1.19	.99	.71	.57
♦ 512-FQB11P06TM	FQB11P06TM	TO-263	-60	0.175	-	-	-	13	11.4	53	1.05	.88	.63	.50
♦ 512-FQB17P06TM	FQB17P06TM	TO-263	-60	0.12	-	-	-	21	17	79	1.18	.99	.85	.71
♦ 512-FQB27P06TM	FQB27P06TM	TO-263	-60	0.07	-	-	-	33	27	120	1.76	1.47	1.05	.84
♦ 512-FQB7P06TM	FQB7P06TM	TO-263	-60	0.41	-	-	-	6.3	7	45	.94	.78	.57	.45
♦ 512-SFW2955TM	SFW2955TM	TO-263	-60	0.3	-	-	-	15	9.4	49	1.06	.89	.63	.51
♦ 512-SFW9Z14TM	SFW9Z14TM	TO-263	-60	0.5	-	-	-	9	6.7	38	.94	.79	.56	.45
♦ 512-SFW9Z24TM	SFW9Z24TM	TO-263	-60	0.28	-	-	-	15	9.7	49	1.04	.88	.62	.50
♦ 512-SFW9Z34TM	SFW9Z34TM	TO-263	-60	0.14	-	-	-	30	18	82	1.23	1.02	.72	.60
♦ 512-BSS84	BSS84	SOT-23	-50	10	-	-	-	0.9	0.13	0.36	.14	.12	.07	.06
Single N-Channel														
♦ 512-FDS4070N7	FDS4070N7	SO-8	40	0.007	-	-	-	47	15.3	3	3.72	2.79	2.33	1.86
♦ 512-FDS4072N7	FDS4072N7	SO-8	40	0.009	0.011	-	-	33	12.4	3	3.52	2.64	2.20	1.76
♦ 512-FDS4080N7	FDS4080N7	SO-8	40	0.01	-	-	-	30	13	3.9	3.56	2.67	2.23	1.78
♦ 512-BSS138	BSS138	SOT-23	50	3.5	6	-	-	1.7	0.22	0.36	.17	.15	.10	.08
♦ 512-RFD16N05LSM	RFD16N05LSM	TO-252	50	-	0.047	-	-	61	16	60	1.23	1.02	.82	.70
512-HUF75309P3	HUF75309P3	TO-220	55	0.07	-	-	-	11	19	55	.81	.68	.60	.50
512-HUF75321P3	HUF75321P3	TO-220	55	0.034	-	-	-	21	35	93	.82	.70	.61	.51

DIUM POWER MOSFETS (CONT.)

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	VDS (V)	RDS (ON) Max @ VGS= 10V(Ω)	4.5V(Ω)	2.5V(Ω)	1.8V(Ω)	Qg nC	ID A	PD W	Price Each 1	25	100	250
le N-Channel (cont.)														
2-HUF75333P3	HUF75333P3	TO-220	55	0.016	-	-	-	40	66	150	1.34	1.13	1.00	.83
2-HUF75337P3	HUF75337P3	TO-220	55	0.014	-	-	-	51	75	175	1.90	1.60	1.42	1.18
2-HUF75339P3	HUF75339P3	TO-220	55	0.012	-	-	-	60	75	200	1.62	1.37	1.22	1.02
2-HUF75343P3	HUF75343P3	TO-220	55	0.009	-	-	-	92	75	270	2.66	2.22	1.95	1.60
2-HUF75345P3	HUF75345P3	TO-220	55	0.007	-	-	-	125	75	325	3.48	2.89	2.55	2.08
2-HUFA75307P3	HUFA75307P3	TO-220	55	0.09	-	-	-	9	15	45	.81	.69	.60	.50
2-HUFA75309P3	HUFA75309P3	TO-220	55	0.07	-	-	-	11	19	55	.90	.77	.67	.55
2-HUF75345G3	HUF75345G3	TO-247	55	0.007	-	-	-	125	75	325	4.70	3.92	3.45	2.82
2-HUFA75329G3	HUFA75329G3	TO-247	55	0.024	-	-	-	35	49	128	2.06	1.75	1.57	1.32
2-HUFA75332G3	HUFA75332G3	TO-247	55	0.019	-	-	-	40	60	145	2.58	2.15	1.90	1.58
2-HUFA75333G3	HUFA75333G3	TO-247	55	0.016	-	-	-	40	66	145	2.69	2.26	2.01	1.66
2-FDZ209N	FDZ209N	BGA-12	60	-	.08@5V	-	-	6.3	4	2	2.64	1.98	1.65	1.32
2-FDS5170N7	FDS5170N7	SO-8	60	0.012	-	-	-	51	10.6	3	3.62	2.72	2.27	1.81
2-2N7002	2N7002	SOT-23	60	7.5	7.5	-	-	1.7	0.12	0.2	.08	.07	.06	.05
2-2N7002MTF	2N7002MTF	SOT-23	60	5	-	-	-	-	0.115	0.2	.12	.10	.08	.06
2-MMBF170	MMBF170	SOT-23	60	5	-	-	-	1.7	0.5	0.3	.29	.25	.18	.14
2-NDS7002A	NDS7002A	SOT-23	60	2	3	-	-	1.7	0.28	0.3	.21	.18	.15	.12
2-FDP5645	FDP5645	TO-220	60	0.0095	-	-	-	76	80	125	6.09	4.58	3.81	3.06
2-FDP5680	FDP5680	TO-220	60	0.02	-	-	-	33	40	65	2.17	1.63	1.36	1.09
2-FDP5690	FDP5690	TO-220	60	0.027	-	-	-	23	32	58	2.13	1.60	1.33	1.06
2-FQP13N06	FQP13N06	TO-220	60	0.135	-	-	-	5.8	13	45	.90	.75	.54	.44
2-FQP13N06L	FQP13N06L	TO-220	60	0.11	.14@5V	-	-	4.8	13.6	45	.98	.80	.56	.43
2-FQP20N06	FQP20N06	TO-220	60	0.06	-	-	-	11.5	20	53	1.02	.86	.62	.49
2-FQP20N06L	FQP20N06L	TO-220	60	0.055	.07@5V	-	-	9.5	21	53	.99	.83	.60	.48
2-FQP30N06	FQP30N06	TO-220	60	0.04	-	-	-	19	30	79	1.24	1.05	.77	.63
2-FQP20N06L	FQP20N06L	TO-220	60	0.055	.07@5V	-	-	9.5	21	53	.99	.83	.60	.48
2-FQP30N06	FQP30N06	TO-220	60	0.04	-	-	-	19	30	79	1.24	1.05	.77	.63
2-FQP50N06	FQP50N06	TO-220	60	0.022	-	-	-	31	50	120	1.69	1.42	1.03	.83
2-FQP50N06L	FQP50N06L	TO-220	60	0.021	.025@5V	-	-	24.5	52	121	1.61	1.35	.98	.80
2-FQP65N06	FQP65N06	TO-220	60	0.016	-	-	-	48	65	150	2.33	1.96	1.43	1.17
2-FQP85N06	FQP85N06	TO-220	60	0.01	-	-	-	86	85	160	3.31	2.76	1.99	1.60
2-HUF76407P3	HUF76407P3	TO-220	60	0.092	0.107	-	-	9.4	13	38	.82	.69	.60	.50
2-FQPF13N06	FQPF13N06	TO-220F	60	0.135	-	-	-	5.8	9.4	24	.82	.68	.50	.42
2-FQPF13N06L	FQPF13N06L	TO-220F	60	0.11	.14@5V	-	-	4.8	10	24	.99	.82	.59	.48
2-FQPF20N06	FQPF20N06	TO-220F	60	0.06	-	-	-	11.5	15	30	1.17	.98	.71	.56
2-FQPF20N06L	FQPF20N06L	TO-220F	60	0.055	.07@5V	-	-	9.5	15.7	30	1.21	1.02	.74	.59
2-FQPF30N06	FQPF30N06	TO-220F	60	0.04	-	-	-	19	21	39	1.28	1.06	.77	.62
2-FQPF30N06L	FQPF30N06L	TO-220F	60	0.035	.045@5V	-	-	15	22.5	38	1.28	1.05	.76	.61
2-FQPF50N06	FQPF50N06	TO-220F	60	0.022	-	-	-	31	31	47	1.53	1.29	.93	.75
2-FQPF50N06L	FQPF50N06L	TO-220F	60	0.021	.025@5V	-	-	24.5	32.6	47	1.67	1.40	1.01	.81
2-HUF76419D3	HUF76419D3	TO-251	60	0.037	0.043	-	-	23	20	75	1.28	1.07	.94	.76
2-FQD30N06LTF	FQD30N06LTF	TO-252	60	0.039	.047@5V	-	-	15	24	44	1.31	1.09	.78	.62
2-FQI13N06TU	FQI13N06TU	TO-262	60	0.135	-	-	-	5.8	13	45	.95	.79	.57	.45
2-FQI13N06LTU	FQI13N06LTU	TO-262	60	0.11	.14@5V	-	-	4.8	13.6	45	.98	.81	.58	.45
2-FQB13N06TM	FQB13N06TM	TO-263	60	0.135	-	-	-	5.8	13	45	.95	.79	.57	.45
2-FQB13N06LTM	FQB13N06LTM	TO-263	60	0.11	.14@5V	-	-	4.8	13.6	45	.94	.78	.57	.45
2-FQB20N06TM	FQB20N06TM	TO-263	60	0.06	-	-	-	11.5	20	53	1.21	1.00	.71	.57
2-FQB20N06LTM	FQB20N06LTM	TO-263	60	0.055	.07@5V	-	-	9.5	21	53	1.09	.90	.64	.52
2-FQB30N06TM	FQB30N06TM	TO-263	60	0.04	-	-	-	19	30	79	1.28	1.06	.77	.61
2-FQB30N06LTM	FQB30N06LTM	TO-263	60	0.035	.045@5V	-	-	15	32	79	1.24	1.04	.74	.60
2-FQA65N06	FQA65N06	TO-3P	60	0.016	-	-	-	48	72	183	2.90	2.42	1.75	1.41
2-FQA85N06	FQA85N06	TO-3P	60	0.01	-	-	-	86	100	214	4.36	3.64	2.62	2.10
2-FQAF65N06	FQAF65N06	TO-3PF	60	0.016	-	-	-	48	49	86	2.77	2.32	1.67	1.35
2-2N7000	2N7000	TO-92	60	5	5.3	-	-	1.7	0.2	0.4	.09	.08	.07	.06
2-BS170	BS170	TO-92	60	5	-	-	-	-	0.5	0.83	.15	.13	.09	.08
2-BS270	BS270	TO-92	60	2	-	-	-	-	0.4	0.63	.18	.15	.10	.08
2-FQP17N08	FQP17N08	TO-220	80	0.115	-	-	-	12	16.5	65	1.01	.85	.62	.49
2-FQP17N08L	FQP17N08L	TO-220	80	0.1	.115@5V	-	-	8.8	16.5	65	1.00	.84	.61	.48
2-FQP9N08	FQP9N08	TO-220	80	0.21	-	-	-	5.9	9.3	40	.81	.69	.49	.40
2-FQP9N08L	FQP9N08L	TO-220	80	0.21	.23@5V	-	-	4.7	9.3	40	.79	.66	.47	.38
2-HUF75545P3	HUF75545P3	TO-220	80	0.01	-	-	-	105	75	270	3.11	2.63	2.33	1.93
2-FQPF17N08	FQPF17N08	TO-220F	80	0.115	-	-	-	12	11.2	30	1.13	.94	.68	.55
2-FQPF17N08L	FQPF17N08L	TO-220F	80	0.1	.115@5V	-	-	8.8	11.2	30	1.12	.93	.67	.54
2-FQPF9N08	FQPF9N08	TO-220F	80	0.21	-	-	-	5.9	7	23	.88	.73	.52	.42
2-FQPF9N08L	FQPF9N08L	TO-220F	80	0.21	.23@5V	-	-	4.7	7	23	.86	.72	.51	.41
2-FDU3580	FDU3580	TO-251	80	0.029	-	-	-	35	7.7	42	2.14	1.61	1.34	1.08
2-FQI17N08LTU	FQI17N08LTU	TO-262	80	0.1	.115@5V	-	-	8.8	16.5	65	1.11	.94	.68	.53
2-FQI9N08TU	FQI9N08TU	TO-262	80	0.21	-	-	-	5.9	9.3	40	1.03	.85	.60	.48
2-FQI9N08LTU	FQI9N08LTU	TO-262	80	0.21	.23@5V	-	-	4.7	9.3	40	.98	.82	.59	.48
2-FQB17N08TM	FQB17N08TM	TO-263	80	0.115	-	-	-	12	16.5	65	1.12	.95	.69	.54
2-FQB17N08LTM	FQB17N08LTM	TO-263	80	0.1	.115@5V	-	-	8.8	16.5	65	1.11	.94	.68	.53
2-FQB24N08TM	FQB24N08TM	TO-263	80	0.06	-	-	-	19	24	75	1.32	1.11	.80	.67
2-FQB9N08TM	FQB9N08TM	TO-263	80	0.21	-	-	-	5.9	9.3	40	1.03	.85	.60	.48
2-FQB9N08LTM	FQB9N08LTM	TO-263	80	0.21	.23@5V	-	-	4.7	9.3	40	.98	.82	.59	.48
2-FQA44N08	FQA44N08	TO-3P	80	0.034	-	-	-	38	49.8	163	2.61	2.19	1.58	1.27
2-FQAF44N08	FQAF44N08	TO-3PF	80	0.034	-	-	-	38	35.6	83	2.31	1.94	1.42	1.16
2-FQAF58N08	FQAF58N08	TO-3PF	80	0.024	-	-	-	50	44	85	2.81	2.37	1.73	1.43
2-FDS3170N7	FDS3170N7	SO-8	100	0.026	-	-	-	55	6.7	3	3.84	2.88	2.40	1.92
2-BSS123	BSS123	SOT-23	100	6	-	-	-	1.4	0.17	0.36	.17	.15	.10	.08
2-FDC3616N	FDC3616N	SSOT-6	100	0.07	-	-	-	23	3.7	1.8	1.71	1.28	1.07	.85
2-FQP13N10	FQP13N10	TO-220	100	0.18	-	-	-	12	12.8	65	.93	.77	.55	.42
2-FQP13N10L	FQP13N10L	TO-220	100	0.18	.2@5V	-	-	8.7	12.8	65	.91	.75	.55	.44
2-FQP19N10L	FQP19N10L	TO-220	100	0.1	.11@5V	-	-	14	19	75	1.09	.92	.66	.53
2-FQP7N10	FQP7N10	TO-220	100	0.35	-	-	-	5.8	7.3	40	.71	.60	.43	.35
2-FQP7N10L	FQP7N10L	TO-220	100	0.35	.38@5V	-	-	4.6	7.3	40	.73	.61	.44	.36
2-HUF75639P3	HUF75639P3	TO-220	100	0.025	-	-	-	57	56	200	2.08	1.74	1.53	1.25
2-HUF75645P3	HUF75645P3	TO-220	100	0.014	-	-	-	106	75	310	3.27	2.73	2.40	1.96
2-IRF510A	IRF510A	TO-220	100	0.4	-	-	-	8.5	5.6	33	.87	.73	.54	.43

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MOUSER STOCK NO.	Fairchild Part No.	Package	VDS (V)	RDS (ON) Max @ VGS= 10V(Ω)	4.5V(Ω)	2.5V(Ω)	1.8V(Ω)	Qg nC	ID A	PD W	Price Each 1	25	100	250
Single N-Channel (cont.)														
512-IRF520A	IRF520A	TO-220	100	0.2	-	-	-	16	9.2	45	1.00	.82	.58	.45
512-IRF530A	IRF530A	TO-220	100	0.11	-	-	-	27	14	55	1.36	1.14	.81	.65
512-IRF540A	IRF540A	TO-220	100	0.052	-	-	-	60	28	107	2.09	1.74	1.24	.99
512-IRF550A	IRF550A	TO-220	100	0.04	-	-	-	75	40	167	2.08	1.74	1.25	1.00
512-IRL510A	IRL510A	TO-220	100	-	.44@5V	-	-	5.5	5.6	37	.77	.64	.47	.37
512-IRL520A	IRL520A	TO-220	100	-	.22@5V	-	-	10.2	9.2	49	.87	.73	.52	.42
512-FQPF13N10	FQPF13N10	TO-220F	100	0.18	-	-	-	12	8.7	30	.89	.75	.54	.44
512-FQPF13N10L	FQPF13N10L	TO-220F	100	0.18	.2@5V	-	-	8.7	8.7	30	.84	.71	.50	.41
512-FQPF19N10	FQPF19N10	TO-220F	100	0.1	-	-	-	19	13.6	38	1.25	1.06	.76	.61
512-FQPF7N10	FQPF7N10	TO-220F	100	0.35	-	-	-	5.8	5.5	23	.87	.71	.50	.40
512-FQPF7N10L	FQPF7N10L	TO-220F	100	0.35	.38@5V	-	-	4.6	5.5	23	.74	.60	.42	.34
512-IRFS510A	IRFS510A	TO-220F	100	0.4	-	-	-	8.5	4.5	21	.82	.70	.51	.42
512-IRFS520A	IRFS520A	TO-220F	100	0.2	-	-	-	16	7.2	28	.93	.79	.57	.47
512-IRFS540A	IRFS540A	TO-220F	100	0.052	-	-	-	60	17	39	1.66	1.39	1.02	.83
512-IRLS510A	IRLS510A	TO-220F	100	-	.44@5V	-	-	5.5	4.5	23	.69	.58	.41	.33
512-IRLS520A	IRLS520A	TO-220F	100	-	.22@5V	-	-	10.2	7.2	30	.92	.78	.56	.46
512-IRLS540A	IRLS540A	TO-220F	100	-	.058@5V	-	-	38.4	17	44	1.58	1.32	.95	.77
♦ 512-HUF75639G3	HUF75639G3	TO-247	100	0.025	-	-	-	57	56	200	3.23	2.69	2.37	1.94
♦ 512-HUF75652G3	HUF75652G3	TO-247	100	0.008	-	-	-	211	75	515	9.01	7.51	6.60	5.40
512-FQU7N10LTU	FQU7N10LTU	TO-251	100	0.35	.38@5V	-	-	4.6	5.8	25	.76	.63	.55	.45
512-IRFU110ATU	IRFU110ATU	TO-251	100	0.4	-	-	-	8.5	4.7	20	.48	.40	.32	.24
512-IRFU120ATU	IRFU120ATU	TO-251	100	0.2	-	-	-	16	8.4	32	.57	.47	.38	.28
♦ 512-IRFR110ATF	IRFR110ATF	TO-252	100	0.4	-	-	-	8.5	4.7	20	.69	.57	.42	.33
512-FQI7N10TU	FQI7N10TU	TO-262	100	0.35	-	-	-	5.8	7.3	40	.93	.78	.56	.45
512-FQI7N10LTU	FQI7N10LTU	TO-262	100	0.35	.38@5V	-	-	4.6	7.3	40	1.01	.84	.61	.48
512-IRFI510ATU	IRFI510ATU	TO-262	100	0.4	-	-	-	8.5	5.6	33	.87	.73	.52	.42
512-IRLI510ATU	IRLI510ATU	TO-262	100	-	.44@5V	-	-	5.5	5.6	37	.87	.73	.52	.42
♦ 512-FQB13N10TM	FQB13N10TM	TO-263	100	0.18	-	-	-	12	12.8	65	1.13	.93	.68	.53
♦ 512-FQB13N10LTM	FQB13N10LTM	TO-263	100	0.18	.2@5V	-	-	8.7	12.8	65	1.21	1.00	.72	.57
♦ 512-FQB19N10TM	FQB19N10TM	TO-263	100	0.1	-	-	-	19	19	75	1.17	.98	.71	.57
♦ 512-FQB19N10LTM	FQB19N10LTM	TO-263	100	0.1	.11@5V	-	-	14	19	75	1.19	.99	.72	.58
♦ 512-FQB7N10TM	FQB7N10TM	TO-263	100	0.35	-	-	-	5.8	7.3	40	.93	.78	.56	.45
♦ 512-FQB7N10LTM	FQB7N10LTM	TO-263	100	0.35	.38@5V	-	-	4.6	7.3	40	.93	.79	.57	.45
♦ 512-HUF75639S3S	HUF75639S3S	TO-263	100	0.025	-	-	-	57	56	200	2.41	2.01	1.77	1.45
♦ 512-IRFW510ATM	IRFW510ATM	TO-263	100	0.4	-	-	-	8.5	5.6	33	.87	.73	.52	.42
♦ 512-IRFW520ATM	IRFW520ATM	TO-263	100	0.2	-	-	-	16	9.2	45	1.01	.85	.62	.50
♦ 512-IRFW530ATM	IRFW530ATM	TO-263	100	0.11	-	-	-	27	14	55	1.14	.96	.69	.55
♦ 512-IRLW510ATM	IRLW510ATM	TO-263	100	-	.44@5V	-	-	5.5	5.6	37	.87	.73	.52	.42
♦ 512-IRLW520ATM	IRLW520ATM	TO-263	100	-	.22@5V	-	-	10.2	9.2	49	1.02	.85	.62	.50
♦ 512-IRLW530ATM	IRLW530ATM	TO-263	100	-	.12@5V	-	-	16.9	14	62	1.14	.96	.69	.55
512-FQA33N10	FQA33N10	TO-3P	100	0.052	-	-	-	38	36	163	2.27	1.89	1.36	1.10
512-FQA33N10L	FQA33N10L	TO-3P	100	0.052	.055@5V	-	-	30	36	163	2.18	1.84	1.33	1.08
512-IRFP140A	IRFP140A	TO-3P	100	0.052	-	-	-	60	31	131	2.19	1.84	1.34	1.10
512-IRFP150A	IRFP150A	TO-3P	100	0.04	-	-	-	75	43	193	2.72	2.31	1.74	1.45
512-SSH70N10A	SSH70N10A	TO-3P	100	0.023	-	-	-	151	70	300	4.80	4.00	2.87	2.31
512-FQAF33N10	FQAF33N10	TO-3PF	100	0.052	-	-	-	38	25.8	83	2.05	1.72	1.25	1.01
512-FQAF33N10L	FQAF33N10L	TO-3PF	100	0.052	.055@5V	-	-	30	25.8	83	2.05	1.73	1.25	1.01
512-FQAF44N10	FQAF44N10	TO-3PF	100	0.039	-	-	-	48	33	85	2.45	2.06	1.50	1.22
512-IRFS140A	IRFS140A	TO-3PF	100	0.052	-	-	-	60	23	72	1.79	1.48	1.06	.86
512-IRFS150A	IRFS150A	TO-3PF	100	0.04	-	-	-	75	31	100	2.08	1.73	1.25	1.00
512-FDP2570	FDP2570	TO-220	150	0.08	-	-	-	40	22	93	3.62	2.71	2.26	1.82
512-FQP14N15	FQP14N15	TO-220	150	0.21	-	-	-	18	14.4	104	1.20	1.00	.71	.58
512-FQP6N15	FQP6N15	TO-220	150	0.6	-	-	-	6.5	6.4	63	.77	.65	.47	.38
512-FQP9N15	FQP9N15	TO-220	150	0.4	-	-	-	10	9	75	.89	.74	.54	.44
512-FQPF5N15	FQPF5N15	TO-220F	150	0.8	-	-	-	5.4	4.2	32	.74	.61	.43	.33
512-FQPF6N15	FQPF6N15	TO-220F	150	0.6	-	-	-	6.5	5	38	.82	.69	.49	.40
512-FQPF9N15	FQPF9N15	TO-220F	150	0.4	-	-	-	10	6.9	44	1.02	.84	.59	.47
512-FQI5N15TU	FQI5N15TU	TO-262	150	0.8	-	-	-	5.4	5.4	54	.94	.78	.57	.46
512-FQI6N15TU	FQI6N15TU	TO-262	150	0.6	-	-	-	6.5	6.4	63	1.02	.84	.59	.47
512-FQI9N15TU	FQI9N15TU	TO-262	150	0.4	-	-	-	10	9	75	1.21	1.01	.87	.72
♦ 512-FQB14N15TM	FQB14N15TM	TO-263	150	0.21	-	-	-	18	14.4	104	1.18	1.00	.72	.59
♦ 512-FQB16N15TM	FQB16N15TM	TO-263	150	0.16	-	-	-	23	16.4	108	1.32	1.09	.79	.64
♦ 512-FQB5N15TM	FQB5N15TM	TO-263	150	0.8	-	-	-	5.4	5.4	54	.94	.78	.57	.46
♦ 512-FQB6N15TM	FQB6N15TM	TO-263	150	0.6	-	-	-	6.5	6.4	63	.99	.82	.59	.48
♦ 512-FQB9N15TM	FQB9N15TM	TO-263	150	0.4	-	-	-	10	9	75	1.22	1.02	.72	.59
512-FQA28N15	FQA28N15	TO-3P	150	0.09	-	-	-	40	33	227	2.50	2.10	1.52	1.23
512-FQAF28N15	FQAF28N15	TO-3PF	150	0.09	-	-	-	40	22	102	2.29	1.92	1.40	1.14
♦ 512-FDS2170N7	FDS2170N7	SO-8	200	0.128	-	-	-	26	3	3	3.12	2.34	1.95	1.56
512-FDP2670	FDP2670	TO-220	200	0.13	-	-	-	27	19	93	4.46	3.35	2.80	2.23
512-FQP19N20	FQP19N20	TO-220	200	0.15	-	-	-	31	19.4	140	1.80	1.51	1.08	.87
512-FQP4N20	FQP4N20	TO-220	200	1.4	-	-	-	5	3.6	45	.82	.68	.48	.40
512-FQP4N20L	FQP4N20L	TO-220	200	1.35	1.4@5V	-	-	4	3.8	45	.77	.64	.46	.38
512-FQP5N20	FQP5N20	TO-220	200	1.2	-	-	-	6	4.5	52	.73	.62	.45	.36
512-FQP5N20L	FQP5N20L	TO-220	200	1.2	1.25@5V	-	-	4.8	4.5	52	.73	.62	.44	.36
512-FQP630	FQP630	TO-220	200	0.4	-	-	-	19	9	78	.93	.78	.56	.45
512-FQP7N20	FQP7N20	TO-220	200	0.69	-	-	-	8	6.6	63	.89	.75	.53	.43
512-FQP7N20L	FQP7N20L	TO-220	200	0.75	.78@5V	-	-	6.8	6.5	63	.82	.69	.49	.40
512-IRF610B	IRF610B_FP001	TO-220	200	1.5	-	-	-	7.2	3.3	38	.46	.38	.32	.24
512-IRF620B	IRF620B_FP001	TO-220	200	0.8	-	-	-	12	5	47	.61	.51	.41	.30
512-IRF630B	IRF630B_FP001	TO-220	200	0.4	-	-	-	22	9	72	.77	.64	.46	.37
512-IRF640B	IRF640B_FP001	TO-220	200	0.18	-	-	-	45	18	139	1.08	.90	.65	.53
512-IRL610A	IRL610A	TO-220	200	-	1.5@5V	-	-	6.1	3.3	33	.73	.61	.44	.36
512-IRL620A	IRL620A	TO-220	200	-	.8@5V	-	-	10.3	5	39	.82	.68	.49	.39
512-IRL630A	IRL630A	TO-220	200	-	.4@5V	-	-	18.6	9	69	1.04	.87	.62	.49
512-FQPF4N20	FQPF4N20	TO-220F	200	1.4	-	-	-	5	2.8	27	.73	.62	.44	.36
512-FQPF4N20L	FQPF4N20L	TO-220F	200	1.35	1.4@5V	-	-	4	3	27	.73	.62	.44	.36
512-FQPF5N20	FQPF5N20	TO-220F	200	1.2	-	-	-	6	3.5	32	.77	.64	.46	.38
512-FQPF5N20L	FQPF5N20L	TO-220F	200	1.2	1.25@5V	-	-	4.8	3.5	32	.77	.64	.45	.37
512-FQPF7N20	FQPF7N20	TO-220F	200	0.69	-	-	-	8	4.8	37	.83	.68	.48	.38

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♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	VDS (V)	RDS (ON) Max @ VGS= 10V(Ω)	4.5V(Ω)	2.5V(Ω)	1.8V(Ω)	Qg nC	ID A	PD W	Price Each 1	25	100	250
gle N-Channel (cont.)														
12-SSS45N20B	SSS45N20B_FP001	TO-220F	200	0.065	-	-	-	133	20	57	3.11	2.61	1.93	1.59
12-IRFU220BTU	IRFU220BTU_FP001	TO-251	200	0.8	-	-	-	12	4.6	40	.51	.42	.34	.26
12-FQI4N20TU	FQI4N20TU	TO-262	200	1.4	-	-	-	5	3.6	45	.91	.77	.55	.44
12-FQI4N20LTU	FQI4N20LTU	TO-262	200	1.35	1.4@5V	-	-	4	3.8	45	.91	.77	.55	.44
12-FQI5N20TU	FQI5N20TU	TO-262	200	1.2	-	-	-	6	4.5	52	.97	.82	.58	.45
12-FQI5N20LTU	FQI5N20LTU	TO-262	200	1.2	1.25@5V	-	-	4.8	4.5	52	.93	.79	.57	.45
12-IRFI610BTU	IRFI610BTU_FP001	TO-262	200	1.5	-	-	-	7.2	3.3	38	.78	.66	.48	.39
12-IRFI620BTU	IRFI620BTU_FP001	TO-262	200	0.8	-	-	-	12	5	47	.93	.77	.55	.44
12-IRLI610ATU	IRLI610ATU	TO-262	200	-	1.5@5V	-	-	6.1	3.3	33	.90	.75	.54	.44
12-IRLI620ATU	IRLI620ATU	TO-262	200	-	.8@5V	-	-	10.3	5	39	.99	.83	.59	.48
12-FQB10N20TM	FQB10N20TM	TO-263	200	0.36	-	-	-	13.5	10	87	1.28	1.06	.76	.61
12-FQB10N20LTM	FQB10N20LTM	TO-263	200	0.36	.38@5V	-	-	13	10	87	1.16	.96	.69	.56
12-FQB4N20LTM	FQB4N20LTM	TO-263	200	1.35	1.4@5V	-	-	4	3.8	45	.94	.79	.55	.43
12-FQB5N20TM	FQB5N20TM	TO-263	200	1.2	-	-	-	6	4.5	52	.94	.80	.58	.46
12-FQB5N20LTM	FQB5N20LTM	TO-263	200	1.2	1.25@5V	-	-	4.8	4.5	52	.93	.79	.57	.45
12-FQB630TM	FQB630TM	TO-263	200	0.4	-	-	-	19	9	78	1.12	.92	.66	.53
12-FQB7N20TM	FQB7N20TM	TO-263	200	0.69	-	-	-	8	6.6	63	1.07	.88	.63	.49
12-FQB7N20LTM	FQB7N20LTM	TO-263	200	0.75	.78@5V	-	-	6.8	6.5	63	1.03	.86	.62	.49
12-IRFW610BTM	IRFW610BTM_FP001	TO-263	200	1.5	-	-	-	7.2	3.3	38	.85	.71	.51	.41
12-IRFW620BTM	IRFW620BTM_FP001	TO-263	200	0.8	-	-	-	12	5	47	.89	.74	.54	.44
12-IRFW630BTM	IRFW630BTM_FP001	TO-263	200	0.4	-	-	-	22	9	72	1.21	1.01	.72	.57
12-IRLW610ATM	IRLW610ATM	TO-263	200	-	1.5@5V	-	-	6.1	3.3	33	.90	.75	.54	.44
12-IRLW620ATM	IRLW620ATM	TO-263	200	-	.8@5V	-	-	10.3	5	39	.99	.83	.59	.48
12-IRLW630ATM	IRLW630ATM	TO-263	200	-	.4@5V	-	-	18.6	9	69	1.15	.96	.69	.55
12-FQA19N20	FQA19N20	TO-3P	200	0.15	-	-	-	31	23	190	2.43	2.04	1.47	1.18
12-FQA19N20L	FQA19N20L	TO-3P	200	0.14	.15@5V	-	-	27	25	190	2.48	2.07	1.49	1.21
12-FQA34N20	FQA34N20	TO-3P	200	0.075	-	-	-	60	34	210	3.81	3.18	2.29	1.84
12-IRFP240B	IRFP240B_FP001	TO-3P	200	0.18	-	-	-	45	20	180	2.25	1.89	1.39	1.14
12-IRFP250B	IRFP250B_FP001	TO-3P	200	0.085	-	-	-	95	32	204	2.30	1.93	1.56	1.18
12-FQAF19N20	FQAF19N20	TO-3PF	200	0.15	-	-	-	31	15	85	2.25	1.89	1.36	1.10
12-FQAF19N20L	FQAF19N20L	TO-3PF	200	0.14	.15@5V	-	-	27	16	85	2.24	1.88	1.35	1.09
12-IRFS240B	IRFS240B_FP001	TO-3PF	200	0.18	-	-	-	45	12.8	73	1.52	1.27	.91	.74
12-IRFS250B	IRFS250B_FP001	TO-3PF	200	0.085	-	-	-	95	21.3	90	2.41	2.02	1.45	1.16
12-FQA32N20C	FQA32N20C	TO-3P	200	0.082	-	-	-	82.5	32	204	2.97	2.48	1.77	1.42
12-FQPF10N20C	FQPF10N20C	TO-220F	200	0.36	-	-	-	20	9.5	38	.80	.66	.47	.38
12-FQPF19N20C	FQPF19N20C	TO-220F	200	0.17	-	-	-	40.5	19	43	1.23	1.02	.73	.58
12-FQP19N20C	FQP19N20C	TO-220	200	0.17	-	-	-	40.5	19	139	1.31	1.09	.78	.62
12-FQPF32N20C	FQPF32N20C	TO-220F	200	0.082	-	-	-	82.5	28	50	1.86	1.55	1.11	.89
12-FQP32N20C	FQP32N20C	TO-220	200	0.082	-	-	-	82.5	28	156	1.86	1.55	1.11	.89
12-FQA19N20C	FQA19N20C	TO-3P	200	0.17	-	-	-	40.5	21.8	180	1.92	1.60	1.14	.91

GH POWER MOSFETs

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	VDS (V)	RDS (ON) Max @ VGS= 10V(Ω)	4.5V(Ω)	2.5V(Ω)	1.8V(Ω)	Qg nC	ID A	PD W	Price Each 1	25	100	250
gle P-Channel														
12-FQP1P50	FQP1P50	TO-220	-500	10.5	-	-	-	11	1.5	63	.91	.75	.54	.43
12-FQP3P50	FQP3P50	TO-220	-500	4.9	-	-	-	18	2.7	85	1.30	1.08	.79	.63
12-FQPF1P50	FQPF1P50	TO-220F	-500	10.5	-	-	-	11	1	28	.88	.74	.53	.43
12-FQI1P50TU	FQI1P50TU	TO-262	-500	10.5	-	-	-	11	1.5	63	1.09	.91	.65	.52
12-FQI3P50TU	FQI3P50TU	TO-262	-500	4.9	-	-	-	18	2.7	85	1.36	1.14	.82	.68
12-FQB1P50TM	FQB1P50TM	TO-263	-500	10.5	-	-	-	11	1.5	63	1.14	.96	.69	.54
12-FQB3P50TM	FQB3P50TM	TO-263	-500	4.9	-	-	-	18	2.7	85	1.36	1.14	.82	.68
12-FQP2P40	FQP2P40	TO-220	-400	6.5	-	-	-	10	2	63	1.05	.87	.63	.50
12-FQP4P40	FQP4P40	TO-220	-400	3.1	-	-	-	18	3.5	85	1.33	1.12	.82	.66
12-FQPF2P40	FQPF2P40	TO-220F	-400	6.5	-	-	-	10	1.3	28	1.13	.95	.68	.53
12-FQPF4P40	FQPF4P40	TO-220F	-400	3.1	-	-	-	18	2.4	39	1.40	1.17	.87	.71
12-FQI2P40TU	FQI2P40TU	TO-262	-400	6.5	-	-	-	10	2	63	1.14	.96	.69	.55
12-FQI4P40TU	FQI4P40TU	TO-262	-400	3.1	-	-	-	18	3.5	85	1.51	1.27	.93	.77
12-FQB2P40TM	FQB2P40TM	TO-263	-400	6.5	-	-	-	10	2	63	1.14	.96	.69	.55
12-FQB4P40TM	FQB4P40TM	TO-263	-400	3.1	-	-	-	18	3.5	85	1.42	1.19	.88	.72
12-FQP2P25	FQP2P25	TO-220	-250	4	-	-	-	6.5	2.3	52	.83	.69	.49	.39
12-SFP9614	SFP9614	TO-220	-250	4	-	-	-	9	1.6	20	.83	.70	.50	.40
12-FQPF2P25	FQPF2P25	TO-220F	-250	4	-	-	-	6.5	1.8	32	.87	.73	.53	.42
12-SFS9614	SFS9614	TO-220F	-250	4	-	-	-	9	1.3	13	.73	.61	.44	.35
12-SFS9624	SFS9624	TO-220F	-250	2.4	-	-	-	16	2.4	28	1.02	.84	.60	.48
12-SFS9634	SFS9634	TO-220F	-250	1.3	-	-	-	29	3.4	33	1.33	1.11	.81	.65
12-FQI2P25TU	FQI2P25TU	TO-262	-250	4	-	-	-	6.5	2.3	52	1.00	.84	.59	.46
12-SFI9614TU	SFI9614TU	TO-262	-250	4	-	-	-	9	1.6	20	.99	.83	.59	.47
12-FQB2P25TM	FQB2P25TM	TO-263	-250	4	-	-	-	6.5	2.3	52	.96	.82	.59	.47
12-FQB4P25TM	FQB4P25TM	TO-263	-250	2.1	-	-	-	10	4	75	1.12	.92	.66	.53
12-SFW9614TM	SFW9614TM	TO-263	-250	4	-	-	-	9	1.6	20	.99	.83	.59	.47
12-SFW9624TM	SFW9624TM	TO-263	-250	2.4	-	-	-	16	2.7	38	1.10	.92	.66	.53
12-FQA9P25	FQA9P25	TO-3P	-250	0.62	-	-	-	29	10.5	150	2.22	1.85	1.33	1.08
12-FQAF9P25	FQAF9P25	TO-3PF	-250	0.62	-	-	-	29	7.1	70	2.17	1.81	1.31	1.06
12-SFF9244	SFF9244	TO-3PF	-250	0.8	-	-	-	45	6	60	2.45	2.04	1.47	1.18
gle N-Channel														
12-FQP3N25	FQP3N25	TO-220	250	2.2	-	-	-	4	2.8	45	.77	.65	.47	.38
12-FQP4N25	FQP4N25	TO-220	250	1.75	-	-	-	4.3	3.6	52	.74	.62	.44	.36
12-FQP6N25	FQP6N25	TO-220	250	1	-	-	-	6.6	5.5	63	1.00	.84	.60	.48
12-IRF614B	IRF614B_FP001	TO-220	250	2	-	-	-	8.1	2.8	40	.62	.52	.39	.31
12-IRF624B	IRF624B_FP001	TO-220	250	1.1	-	-	-	13.5	4.1	49	.56	.47	.40	.31
12-IRF634B	IRF634B_FP001	TO-220	250	0.45	-	-	-	29	8.1	74	.83	.69	.50	.40
12-IRF644B	IRF644B_FP001	TO-220	250	0.28	-	-	-	47	14	139	1.32	1.11	.79	.63
12-FQPF3N25	FQPF3N25	TO-220F	250	2.2	-	-	-	4	2.3	27	.84	.70	.49	.39
12-FQPF4N25	FQPF4N25	TO-220F	250	1.75	-	-	-	4.3	2.8	32	.88	.72	.51	.40
12-FQPF6N25	FQPF6N25	TO-220F	250	1	-	-	-	6.6	4	37	.88	.73	.54	.42
12-IRFS614B	IRFS614B_FP001	TO-220F	250	2	-	-	-	8.1	2.8	22	.72	.59	.43	.36
12-IRFS624B	IRFS624B_FP001	TO-220F	250	1.1	-	-	-	13.5	4.1	34	.74	.62	.44	.36

FAIRCHILD Power MOSFETs

FAIRCHILD SEMICONDUCTOR

HIGH POWER MOSFETS (CONT.)

♦ Surface Mount Device

For quantities of 500 and up, call for quote

MOUSER STOCK NO.	Fairchild Part No.	Package	VDS (V)	RDS (ON) Max @ VGS= 10V	4.5V	2.5V	1.8V	Qg nC	ID A	PD W	Price Each 1	25	100	250
Single N-Channel (cont.)														
♦ 512-FQB3N25TM	FQB3N25TM	TO-263	250	2.2	-	-	-	4	2.8	45	.92	.76	.56	.44
♦ 512-FQB4N25TM	FQB4N25TM	TO-263	250	1.75	-	-	-	4.3	3.6	52	.94	.78	.57	.45
♦ 512-FQB6N25TM	FQB6N25TM	TO-263	250	1	-	-	-	6.6	5.5	63	1.04	.86	.62	.50
♦ 512-FQB8N25TM	FQB8N25TM	TO-263	250	0.55	-	-	-	12	8	87	1.33	1.11	.80	.65
♦ 512-IRFW614BTM	IRFW614BTM_FP001	TO-263	250	2	-	-	-	8.1	2.8	40	.83	.69	.50	.41
♦ 512-IRFW624BTM	IRFW624BTM_FP001	TO-263	250	1.1	-	-	-	13.5	4.1	49	.90	.76	.55	.44
♦ 512-IRFW634BTM	IRFW634BTM_FP001	TO-263	250	0.45	-	-	-	29	8.1	74	1.19	1.01	.77	.63
512-FQA40N25	FQA40N25	TO-3P	250	0.07	-	-	-	85	40	280	6.14	5.13	3.69	2.97
512-IRFP244B	IRFP244B_FP001	TO-3P	250	0.28	-	-	-	47	16	180	1.98	1.64	1.18	.96
512-FQAF16N25	FQAF16N25	TO-3PF	250	0.23	-	-	-	27	12.4	85	2.28	1.90	1.37	1.10
512-FQAF34N25	FQAF34N25	TO-3PF	250	0.085	-	-	-	60	21.7	100	4.67	3.90	3.35	2.81
512-IRFS244B	IRFS244B_FP001	TO-3PF	250	0.28	-	-	-	47	10.2	73	1.59	1.33	.96	.77
512-FQPF9N25C	FQPF9N25C	TO-220F	250	0.43	-	-	-	26.5	8.8	38	1.05	.88	.63	.50
512-FQP9N25C	FQP9N25C	TO-220	250	0.43	-	-	-	26.5	8.8	74	1.07	.89	.64	.51
512-FQP16N25C	FQP16N25C	TO-220	250	0.27	-	-	-	41	15.6	139	1.33	1.11	.79	.63
512-FQAF16N25C	FQAF16N25C	TO-3PF	250	0.27	-	-	-	41	11.4	73	2.57	2.14	1.53	1.22
512-FQA16N25C	FQA16N25C	TO-3P	250	0.27	-	-	-	41	17.8	180	6.30	5.25	3.75	3.00
512-FQP2N30	FQP2N30	TO-220	300	3.7	-	-	-	3.7	1.3	16	.75	.63	.46	.37
512-FQP3N30	FQP3N30	TO-220	300	2.2	-	-	-	5.5	3.2	55	.98	.82	.59	.47
512-FQP5N30	FQP5N30	TO-220	300	0.9	-	-	-	9.8	5.4	70	1.14	.96	.70	.55
512-FQPF2N30	FQPF2N30	TO-220F	300	3.7	-	-	-	3.7	2.1	40	.88	.74	.53	.42
512-FQPF3N30	FQPF3N30	TO-220F	300	2.2	-	-	-	5.5	2	20	1.00	.84	.61	.48
512-FQPF5N30	FQPF5N30	TO-220F	300	0.9	-	-	-	9.8	3.9	35	1.19	1.00	.71	.57
512-FQI2N30TU	FQI2N30TU	TO-262	300	3.7	-	-	-	3.7	2.1	40	.98	.81	.58	.47
512-FQI3N30TU	FQI3N30TU	TO-262	300	2.2	-	-	-	5.5	3.2	55	1.16	.96	.69	.55
512-FQI5N30TU	FQI5N30TU	TO-262	300	0.9	-	-	-	9.8	5.4	70	1.28	1.07	.93	.78
♦ 512-FQB2N30TM	FQB2N30TM	TO-263	300	3.7	-	-	-	3.7	2.1	40	.98	.81	.58	.47
♦ 512-FQB3N30TM	FQB3N30TM	TO-263	300	2.2	-	-	-	5.5	3.2	55	1.05	.87	.62	.50
♦ 512-FQB5N30TM	FQB5N30TM	TO-263	300	0.9	-	-	-	9.8	5.4	70	1.19	1.00	.72	.57
♦ 512-FQB7N30TM	FQB7N30TM	TO-263	300	0.7	-	-	-	13	7	85	1.49	1.24	.89	.71
512-FQAF14N30	FQAF14N30	TO-3PF	300	0.29	-	-	-	30	11.4	90	2.75	2.30	1.66	1.33
512-FQP11N40	FQP11N40	TO-220	400	0.48	-	-	-	27	11.4	147	2.42	2.04	1.48	1.19
512-FQP2N40	FQP2N40	TO-220	400	5.8	-	-	-	4	1.8	40	.76	.64	.46	.38
512-FQP3N40	FQP3N40	TO-220	400	3.4	-	-	-	6	2.5	55	.90	.76	.54	.44
512-IRF710B	IRF710B	TO-220	400	3.4	-	-	-	7.7	2	36	.67	.56	.40	.32
512-IRF720B	IRF720B	TO-220	400	1.75	-	-	-	14	3.3	46	1.11	.92	.67	.52
512-IRF730B	IRF730B	TO-220	400	1	-	-	-	25	5.5	73	1.09	.90	.65	.52
512-FQPF2N40	FQPF2N40	TO-220F	400	5.8	-	-	-	4	1.1	16	.88	.73	.52	.43
512-FQPF3N40	FQPF3N40	TO-220F	400	3.4	-	-	-	6	1.6	20	1.09	.92	.66	.53
512-IRFS710B	IRFS710B	TO-220F	400	3.4	-	-	-	7.7	2	23	.82	.68	.49	.39
512-IRFS720B	IRFS720B	TO-220F	400	1.75	-	-	-	14	3.3	33	.86	.72	.52	.41
512-IRFS730B	IRFS730B	TO-220F	400	1	-	-	-	25	5.5	38	1.20	1.02	.73	.60
512-IRFS740B	IRFS740B	TO-220F	400	0.54	-	-	-	41	10	44	1.86	1.56	1.12	.90
512-IRFU310BTU	IRFU310BTU	TO-251	400	3.4	-	-	-	7.7	1.7	26	.73	.60	.43	.35
512-IRFU330BTU	IRFU330BTU	TO-251	400	1	-	-	-	25	4.5	48	.72	.60	.49	.36
512-FQI11N40TU	FQI11N40TU	TO-262	400	0.48	-	-	-	27	11.4	147	2.39	2.00	1.43	1.16
512-FQI3N40TU	FQI3N40TU	TO-262	400	3.4	-	-	-	6	2.5	55	1.18	.98	.70	.56
512-FQI5N40TU	FQI5N40TU	TO-262	400	1.6	-	-	-	10	4.5	70	1.30	1.08	.78	.62
♦ 512-FQB3N40TM	FQB3N40TM	TO-263	400	3.4	-	-	-	6	2.5	55	1.07	.89	.63	.51
♦ 512-FQB5N40TM	FQB5N40TM	TO-263	400	1.6	-	-	-	10	4.5	70	1.19	1.00	.71	.57
♦ 512-IRFW710BTM	IRFW710BTM	TO-263	400	3.4	-	-	-	7.7	2	36	.98	.82	.58	.47
♦ 512-IRFW720BTM	IRFW720BTM	TO-263	400	1.75	-	-	-	14	3.3	46	1.16	.98	.72	.60
512-FQA20N40	FQA20N40	TO-3P	400	0.22	-	-	-	60	19.5	200	5.90	4.92	3.54	2.84
512-FQA30N40	FQA30N40	TO-3P	400	0.14	-	-	-	90	30	290	8.67	7.25	5.22	4.20
512-IRFP340B	IRFP340B	TO-3P	400	0.54	-	-	-	41	11	162	2.29	1.92	1.38	1.11
512-IRFP350A	IRFP350A	TO-3P	400	0.3	-	-	-	101	17	202	5.64	4.69	3.35	2.68
512-FQAF11N40	FQAF11N40	TO-3PF	400	0.48	-	-	-	27	8.8	90	2.76	2.31	1.66	1.33
512-IRFS340B	IRFS340B	TO-3PF	400	0.54	-	-	-	41	8	85	1.57	1.31	.94	.76
512-IRFS350A	IRFS350A	TO-3PF	400	0.3	-	-	-	101	11.5	92	3.22	2.68	1.94	1.56
512-FQP6N40C	FQP6N40C	TO-220	400	1	-	-	-	16	6	73	1.11	.93	.67	.54
512-FQPF6N40C	FQPF6N40C	TO-220F	400	1	-	-	-	16	6	38	1.14	.95	.69	.55
512-FQP11N40C	FQP11N40C	TO-220	400	0.53	-	-	-	28	11	135	1.71	1.42	1.02	.81
512-FQPF11N40C	FQPF11N40C	TO-220F	400	0.53	-	-	-	28	11	44	1.73	1.44	1.03	.82
512-FQP1N50	FQP1N50	TO-220	500	9	-	-	-	4	1.4	40	.84	.69	.49	.40
512-FQP2N50	FQP2N50	TO-220	500	5.3	-	-	-	6	2.1	55	.88	.73	.52	.42
512-IRF820B	IRF820B	TO-220	500	2.6	-	-	-	14	2.5	49	1.21	1.00	.72	.57
512-IRF840B	IRF840B	TO-220	500	0.85	-	-	-	41	8	134	1.94	1.61	1.15	.93
512-SSP1N50B	SSP1N50B	TO-220	500	5.5	-	-	-	8.3	1.5	36	.84	.70	.51	.42
512-FQPF1N50	FQPF1N50	TO-220F	500	9	-	-	-	4	0.9	16	.88	.74	.52	.42
512-IRFS820B	IRFS820B	TO-220F	500	2.6	-	-	-	14	2.5	33	.98	.83	.60	.48
512-IRFS840B	IRFS840B	TO-220F	500	0.85	-	-	-	41	8	44	1.99	1.66	1.20	.96
512-SSS1N50B	SSS1N50B	TO-220F	500	5.5	-	-	-	8.3	1.2	23	.83	.69	.49	.39
512-IRFU430BTU	IRFU430BTU	TO-251	500	1.5	-	-	-	25	3.5	48	.79	.65	.52	.39
512-SSI1N50BTU	SSI1N50BTU	TO-262	500	5.5	-	-	-	8.3	1.5	36	.77	.65	.51	.44
♦ 512-FQB2N50TM	FQB2N50TM	TO-263	500	5.3	-	-	-	6	2.1	55	1.06	.89	.63	.51
♦ 512-FQB4N50TM	FQB4N50TM	TO-263	500	2.7	-	-	-	10	3.4	70	1.21	1.00	.72	.58
♦ 512-IRFW820BTM	IRFW820BTM	TO-263	500	2.6	-	-	-	14	2.5	49	1.15	.98	.71	.58
♦ 512-SSW1N50BTM	SSW1N50BTM	TO-263	500	5.5	-	-	-	8.3	1.5	36	.95	.80	.58	.46
512-FQA16N50	FQA16N50	TO-3P	500	0.32	-	-	-	17	16	200	5.61	4.71	3.41	2.70
512-FQA24N50	FQA24N50	TO-3P	500	0.2	-	-	-	90	24	290	8.41	7.03	5.07	4.09
512-IRFP440B	IRFP440B	TO-3P	500	0.85	-	-	-	41	8.5	162	2.55	2.13	1.52	1.23
512-IRFP450B	IRFP450B	TO-3P	500	0.4	-	-	-	87	14	205	4.18	3.48	2.49	1.99
512-SSH22N50A	SSH22N50A	TO-3P	500	0.25	-	-	-	182	22	278	6.53	5.46	3.92	3.10
512-FQAF9N50	FQAF9N50	TO-3PF	500	0.73	-	-	-	28	7.2	90	2.79	2.33	1.67	1.34
512-IRFS440B	IRFS440B	TO-3PF	500	0.85	-	-	-	41	6.2	85	1.58	1.32	.95	.75
512-IRFS450B	IRFS450B	TO-3PF	500	0.4	-	-	-	87	9.6	96	4.35	3.64	2.61	2.11
512-FQPF5N50C	FQPF5N50C	TO-220F	500	1.4	-	-	-	18	5	38	1.10	.92	.66	.53
512-FQP5N50C	FQP5N50C	TO-220	500	1.4	-	-	-	18	5	73	1.11	.93	.67	.53
512-FQPF9N50C	FQPF9N50C	TO-220F	500	0.8	-	-	-	28	9	44	1.66	1.37	.97	.78

MOUSER ELECTRONICS a ttl company (800) 346-6873

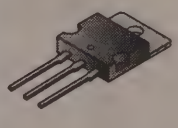
GH POWER MOSFETS (CONT.)

urface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	VDS (V)	RDS (ON) Max @ VGS=				Qg nC	ID A	PD W	Price Each			
				10V(Ω)	4.5V(Ω)	2.5V(Ω)	1.8V(Ω)				1	25	100	250
gle N-Channel (cont.)														
12-FQP1N60	FQP1N60	TO-220	600	11.5	-	-	-	5	1.2	40	.99	.81	.57	.44
12-SSP1N60B	SSP1N60B	TO-220	600	12	-	-	-	5.9	1	34	.75	.62	.45	.36
12-SSP2N60B	SSP2N60B	TO-220	600	5	-	-	-	12.5	2	54	.93	.78	.56	.46
12-SSP4N60B	SSP4N60B	TO-220	600	2.5	-	-	-	22	4	100	1.37	1.13	.83	.68
12-SSP7N60B	SSP7N60B	TO-220	600	1.2	-	-	-	38	7	147	1.84	1.53	1.07	.86
12-FQPF1N60	FQPF1N60	TO-220F	600	11.5	-	-	-	5	0.9	21	.97	.80	.58	.47
12-SSS10N60B	SSS10N60B	TO-220F	600	0.8	-	-	-	54	9	50	2.16	1.82	1.32	1.06
12-SSS1N60B	SSS1N60B	TO-220F	600	12	-	-	-	5.9	1	17	.80	.67	.47	.38
12-SSS2N60B	SSS2N60B	TO-220F	600	5	-	-	-	12.5	2	23	.94	.79	.57	.46
12-SSS4N60B	SSS4N60B	TO-220F	600	2.5	-	-	-	22	4	33	1.19	1.00	.72	.58
12-SSS7N60B	SSS7N60B	TO-220F	600	1.2	-	-	-	38	7	48	1.61	1.35	.98	.79
12-SSI10N60BTU	SSI10N60BTU	TO-262	600	0.8	-	-	-	54	9	156	1.88	1.56	1.26	1.07
12-SSI1N60BTU	SSI1N60BTU	TO-262	600	12	-	-	-	5.9	1	34	.71	.59	.47	.40
12-SSI7N60BTU	SSI7N60BTU	TO-262	600	1.2	-	-	-	38	7	147	1.59	1.32	1.06	.91
12-FQB1N60TM	FQB1N60TM	TO-263	600	11.5	-	-	-	5	1.2	40	1.06	.88	.63	.51
12-FQB2N60TM	FQB2N60TM	TO-263	600	4.7	-	-	-	9	2.4	64	1.19	1.00	.71	.57
12-SSW1N60BTM	SSW1N60BTM	TO-263	600	12	-	-	-	5.9	1	34	.97	.82	.58	.47
12-SSW2N60BTM	SSW2N60BTM	TO-263	600	5	-	-	-	12.5	2	54	1.10	.91	.65	.52
12-FQA19N60	FQA19N60	TO-3P	600	0.38	-	-	-	70	18.5	300	6.38	5.34	3.87	3.13
12-SSH10N60B	SSH10N60B	TO-3P	600	0.8	-	-	-	54	10	193	2.87	2.42	1.75	1.42
12-SSH7N60B	SSH7N60B	TO-3P	600	1.2	-	-	-	38	7.3	160	2.29	1.93	1.41	1.15
12-SSF7N60B	SSF7N60B	TO-3PF	600	1.2	-	-	-	38	5.4	86	2.35	1.96	1.41	1.13
12-FQPF10N60C	FQPF10N60C	TO-220F	600	0.73	-	-	-	44	9.5	50	2.29	1.92	1.39	1.12
12-FQP2N60C	FQP2N60C	TO-220	600	4.7	-	-	-	8.5	2	54	.93	.78	.56	.44
12-FQPF2N60C	FQPF2N60C	TO-220F	600	4.7	-	-	-	8.5	2	23	.93	.78	.56	.44
12-FQP5N60C	FQP5N60C	TO-220	600	2.5	-	-	-	15	4.5	100	1.12	.94	.68	.55
12-FQPF5N60C	FQPF5N60C	TO-220F	600	2.5	-	-	-	15	4.5	33	1.24	1.04	.74	.60
12-FQPF8N60C	FQPF8N60C	TO-220F	600	1.2	-	-	-	28	7.5	48	1.53	1.27	.91	.73
12-FQP8N60C	FQP8N60C	TO-220	600	1.2	-	-	-	28	7.5	147	1.51	1.26	.91	.73
12-FQP10N60C	FQP10N60C	TO-220	600	0.73	-	-	-	44	9.5	156	2.06	1.74	1.26	1.03
12-SSS6N70A	SSS6N70A	TO-220F	700	1.8	-	-	-	51	4	40	2.15	1.78	1.27	1.03
12-FQB6N70TM	FQB6N70TM	TO-263	700	1.5	-	-	-	30	6.2	142	2.88	2.40	1.74	1.41
12-FQA6N70	FQA6N70	TO-3P	700	1.5	-	-	-	30	6.4	152	3.48	2.91	2.08	1.69
12-FQP2N80	FQP2N80	TO-220	800	6.3	-	-	-	12	2.4	85	1.38	1.15	.82	.68
12-FQP3N80	FQP3N80	TO-220	800	5	-	-	-	15	3	107	1.67	1.40	1.00	.82
12-FQP4N80	FQP4N80	TO-220	800	3.6	-	-	-	19	3.9	130	1.85	1.56	1.13	.91
12-FQP5N80	FQP5N80	TO-220	800	2.6	-	-	-	25	4.8	140	2.13	1.79	1.30	1.06
12-FQPF2N80	FQPF2N80	TO-220F	800	6.3	-	-	-	12	1.5	35	1.27	1.07	.77	.62
12-FQPF3N80	FQPF3N80	TO-220F	800	5	-	-	-	15	1.8	39	1.52	1.27	.92	.74
12-FQPF4N80	FQPF4N80	TO-220F	800	3.6	-	-	-	19	2.2	43	1.91	1.61	1.17	.96
12-FQPF5N80	FQPF5N80	TO-220F	800	2.6	-	-	-	25	2.8	47	2.30	1.93	1.40	1.14
12-FQU1N80TU	FQU1N80TU	TO-251	800	20	-	-	-	5.5	1	45	.96	.81	.70	.59
12-FQI2N80TU	FQI2N80TU	TO-262	800	6.3	-	-	-	12	2.4	85	1.54	1.29	.93	.75
12-FQI3N80TU	FQI3N80TU	TO-262	800	5	-	-	-	15	3	107	1.72	1.44	1.04	.83
12-FQI4N80TU	FQI4N80TU	TO-262	800	3.6	-	-	-	19	3.9	130	1.98	1.67	1.21	.97
12-FQI5N80TU	FQI5N80TU	TO-262	800	2.6	-	-	-	25	4.8	140	2.29	1.93	1.41	1.14
12-FQB2N80TM	FQB2N80TM	TO-263	800	6.3	-	-	-	12	2.4	85	1.51	1.27	.92	.76
12-FQB3N80TM	FQB3N80TM	TO-263	800	5	-	-	-	15	3	107	1.66	1.38	.99	.80
12-FQB4N80TM	FQB4N80TM	TO-263	800	3.6	-	-	-	19	3.9	130	1.89	1.59	1.15	.92
12-FQB5N80TM	FQB5N80TM	TO-263	800	2.6	-	-	-	25	4.8	140	2.45	2.07	1.51	1.22
12-FQB6N80TM	FQB6N80TM	TO-263	800	1.95	-	-	-	31	5.8	158	2.70	2.26	1.64	1.33
12-FQA6N80	FQA6N80	TO-3P	800	1.95	-	-	-	31	6.3	185	3.32	2.79	2.02	1.63
12-FQAF6N80	FQAF6N80	TO-3PF	800	1.95	-	-	-	31	4.4	90	3.10	2.60	1.89	1.54
12-FQAF8N80	FQAF8N80	TO-3PF	800	1.2	-	-	-	44	5.9	107	4.08	3.40	2.44	1.95
12-FQP3N80C	FQP3N80C	TO-220	800	4.8	-	-	-	13	3	107	1.30	1.08	.78	.62
12-FQP2N90	FQP2N90	TO-220	900	7.2	-	-	-	12	2.2	85	1.29	1.08	.78	.63
12-FQP2NA90	FQP2NA90	TO-220	900	5.8	-	-	-	15	2.8	107	1.55	1.30	.94	.75
12-FQP3N90	FQP3N90	TO-220	900	4.25	-	-	-	20	3.6	130	1.76	1.48	1.07	.87
12-FQP4N90	FQP4N90	TO-220	900	3.1	-	-	-	24	4.2	140	2.22	1.86	1.34	1.09
12-FQPF2N90	FQPF2N90	TO-220F	900	7.2	-	-	-	12	1.4	35	1.44	1.21	.87	.71
12-FQPF2NA90	FQPF2NA90	TO-220F	900	5.8	-	-	-	15	1.7	39	1.45	1.22	.88	.71
12-FQPF3N90	FQPF3N90	TO-220F	900	4.25	-	-	-	20	2.1	43	1.79	1.50	1.08	.88
12-FQPF4N90	FQPF4N90	TO-220F	900	3.1	-	-	-	24	2.5	47	2.34	1.96	1.41	1.14
12-FQI2N90TU	FQI2N90TU	TO-262	900	7.2	-	-	-	12	2.2	85	1.56	1.31	.95	.77
12-FQI2NA90TU	FQI2NA90TU	TO-262	900	5.8	-	-	-	15	2.8	107	1.78	1.49	1.07	.86
12-FQI3N90TU	FQI3N90TU	TO-262	900	4.25	-	-	-	20	3.6	130	2.00	1.68	1.22	.98
12-FQB2N90TM	FQB2N90TM	TO-263	900	7.2	-	-	-	12	2.2	85	1.49	1.25	.90	.73
12-FQB2NA90TM	FQB2NA90TM	TO-263	900	5.8	-	-	-	15	2.8	107	1.69	1.42	1.02	.82
12-FQB3N90TM	FQB3N90TM	TO-263	900	4.25	-	-	-	20	3.6	130	2.00	1.68	1.22	.98
12-FQB4N90TM	FQB4N90TM	TO-263	900	3.1	-	-	-	24	4.2	140	2.31	1.94	1.41	1.14
12-FQB5N90TM	FQB5N90TM	TO-263	900	2.3	-	-	-	31	5.4	158	2.74	2.30	1.68	1.36
12-FQA5N90	FQA5N90	TO-3P	900	2.3	-	-	-	31	5.8	185	3.18	2.68	1.95	1.60
12-FQAF5N90	FQAF5N90	TO-3PF	900	2.3	-	-	-	31	4.1	90	3.13	2.64	1.93	1.58

INTERNATIONAL RECTIFIER MOSFET's, Diodes and Rectifiers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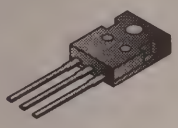
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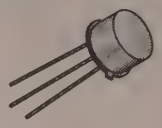
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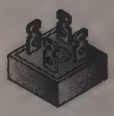
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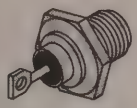
D-63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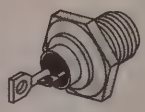
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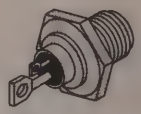
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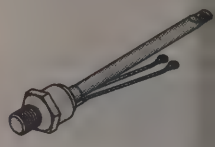

TO-94

INTERNATIONAL RECTIFIER MOSFET'S

Single N-Channel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	IR Part No.	Package	B_{vdss} (V)	RDS (On) (Ω)	ID @ 25°C (A)	PD (W)	Price Each 1	25	100
844-IRL3713	IRL3713	TO-220AB	30	0.004	200	200	2.20	1.75	1.75
844-IRL2203N	IRL2203N	TO-220AB	30	0.01	100	130	2.70	1.90	1.56
844-IRF1404	IRF1404	TO-220AB	40	0.004	162	200	2.93	1.95	1.85
844-IRF3205	IRF3205	TO-220AB	55	0.008	98	150	3.07	2.23	1.82
844-IRFP064N	IRFP064N	TO-247AC	55	0.008	98	150	14.12	10.00	8.24
844-IRF1010N	IRF1010N	TO-220AB	55	0.011	72	130	2.20	1.56	1.40
844-IRFZ48N	IRFZ48N	TO-220AB	55	0.014	64	94	1.75	1.23	.98
844-IRFZ46N	IRFZ46N	TO-220AB	55	0.0165	46	88	1.69	1.13	.88
844-IRFZ44N	IRFZ44N	TO-220AB	55	0.0175	41	83	1.78	1.16	.89
844-IRLZ44N	IRLZ44N	TO-220AB	55	0.035	41	83	1.86	1.22	.94
844-IRFZ34N	IRFZ34N	TO-220AB	55	0.04	26	56	1.33	.86	.65
844-IRLZ34N	IRLZ34N	TO-220AB	55	0.06	27	56	1.50	.97	.74
844-IRFZ24N	IRFZ24N	TO-220AB	55	0.07	17	45	1.19	.75	.56
844-IRF1010E	IRF1010E	TO-220AB	60	0.012	81	170	2.94	2.09	1.71
844-IRFP054	IRFP054	TO-247AC	60	0.014	70	230	4.00	3.20	2.65
844-IRFZ44	IRFZ44	TO-220AB	60	0.028	50	150	2.29	2.07	1.85
844-IRF2807	IRF2807	TO-220AB	75	0.013	82	200	3.62	2.47	1.96
844-IRF3710	IRF3710	TO-220AB	100	0.023	57	200	3.31	2.38	1.94
844-IRFP150N	IRFP150N	TO-247AC	100	0.036	39	140	1.95	1.85	1.80
844-IRF150	IRF150	TO-204AE	100	0.055	38	150	12.65	11.50	10.35
844-IRF140	IRF140	TO-204AE	100	0.077	28	125	11.83	10.75	9.68
844-IRF540	IRF540	TO-220AB	100	0.077	28	150	1.48	.99	.80
844-IRF530N	IRF530N	TO-220AB	100	0.09	17	79	.92	.75	.65
844-IRF530	IRF530	TO-220AB	100	0.16	14	88	1.58	1.01	.75
844-IRF130	IRF130	TO-204AA	100	0.18	14	75	11.27	10.25	9.22
844-IRFF130	IRFF130	TO-205AF	100	0.18	8	25	8.15	8.00	7.75
844-IRFP3710	IRFP3710	TO-247AC	100	0.25	51	180	6.69	5.35	3.82
844-IRF520	IRF520	TO-220AB	100	0.27	9.2	60	1.42	1.13	.99
844-IRFD110	IRFD110	HEXDIP	100	0.54	1	1.3	1.01	.56	.45
844-IRF3415	IRF3415	TO-220AB	150	0.042	43	200	3.41	2.41	1.99
844-IRFP260N	IRFP260N	TO-247AC	200	0.04	49	300	5.60	3.99	3.24
844-IRFP250N	IRFP250N	TO-247AC	200	0.075	30	214	3.72	2.97	2.60
844-IRF250	IRF250	TO-204AE	200	0.085	30	150	12.65	11.50	10.35
844-IRFP250	IRFP250	TO-247AC	200	0.085	30	190	3.14	2.50	2.20
844-IRF240	IRF240	TO-204AE	200	0.18	18	125	11.83	10.75	9.68
844-IRF640	IRF640	TO-220AB	200	0.18	18	125	1.33	.95	.90
844-IRF350	IRF350	TO-204AE	400	0.3	14	150	12.65	11.50	10.35
844-IRFP350	IRFP350	TO-247AC	400	0.4	16	190	4.10	2.96	2.43
844-IRF740	IRF740	TO-220AB	400	0.55	10	125	2.18	1.47	1.30
844-IRF730	IRF730	TO-220AB	400	1	5.5	74	1.70	1.10	.85
844-IRFP460	IRFP460	TO-247AC	500	0.27	20	280	3.07	2.85	2.75
844-IRFP460A	IRFP460A	TO-247AC	500	0.27	20	280	5.93	4.74	3.38
844-IRFP460LC	IRFP460LC	TO-247AC	500	0.27	20	280	5.44	4.34	3.80
844-IRF450	IRF450	TO-204AA	500	0.4	12	150	12.65	11.50	10.35
844-IRFP450	IRFP450	TO-247AC	500	0.4	14	190	3.95	2.82	2.30
844-IRF840	IRF840	TO-220AB	500	0.85	8	125	2.19	1.47	1.14
844-IRF830	IRF830	TO-220AB	500	1.5	4.5	74	1.61	1.05	.80
844-IRFBE30	IRFBE30	TO-220AB	800	3	4.1	125	2.40	1.63	1.28
844-IRFBE20	IRFBE20	TO-220AB	800	6.5	1.8	54	2.01	1.41	1.17
844-IRFBG30	IRFBG30	TO-220AB	1000	5	3.1	125	2.18	1.54	1.42

INTERNATIONAL RECTIFIER MOSFET'S (cont.)

Single P-Channel

For quantities of 500 and up, call for quote

MOUSER STOCK NO.	IR Part No.	Package	B_{vdss} (V)	RDS (On) (Ω)	ID @ 25°C (A)	PD (W)	Price Each 1	25	100
844-IRF4905	IRF4905	TO-220AB	-55	0.02	-74	200	3.43	2.51	2.08
844-IRF5305	IRF5305	TO-220AB	-55	0.06	-31	110	1.97	1.29	1.00
844-IRF9530N	IRF9530N	TO-220AB	-100	0.2	-14	79	1.27	.90	.85
844-IRF9540	IRF9540	TO-220AB	-100	0.2	-19	150	1.41	.93	.93
844-IRF9530	IRF9530	TO-220AB	-100	0.3	-12	88	1.85	1.19	.90

INTERNATIONAL RECTIFIER BRIDGE RECTIFIERS

For quantities of 500 and up, call for quote

MOUSER STOCK NO.	IR Part No.	Package	V_{RRM} (V)	I_{FAV} (A)	V_{FM} (V)	Price Each 1	25	100
844-26MB20A	26MB20A	D-34A	200	25	1.1	6.47	5.17	4.25
844-36MB20A	36MB20A	D-34A	200	35	1.2	6.81	5.44	4.50
844-26MB100A	26MB100A	D-34A	1000	25	1.1	9.93	7.94	5.95
844-36MB100A	36MB100A	D-34A	1000	35	1.2	8.71	6.97	6.25
844-26MB120A	26MB120A	D-34A	1200	25	1.1	11.68	9.34	8.17
844-36MB120A	36MB120A	D-34A	1200	35	1.2	9.13	7.30	6.50
844-36MT160	36MT160	D-63	1600	35	1.19	27.87	22.30	17.00

INTERNATIONAL RECTIFIER RECOVERY DIODE

For quantities of 500 and up, call for quote

MOUSER STOCK NO.	IR Part No.	Package	V_{RRM} (V)	I_{FAV} (A)	@ TC (°C)	Price Each 1	25	100
844-70HF40	70HF40	DO-5	400	70	140	10.80	8.63	5.70
844-70HFR40	70HFR40	DO-5	400	70	140	10.80	8.63	6.50
844-40HF60	40HF60	DO-5	600	40	140	8.62	6.89	4.59
844-40HFR60	40HFR60	DO-5	600	40	140	8.62	6.89	5.25
844-70HF60	70HF60	DO-5	600	70	140	11.86	9.48	6.32
844-70HFR60	70HFR60	DO-5	600	70	140	11.86	9.48	7.10
844-150K60A	150K60A	DO-8	600	150	150	26.73	22.00	22.00
844-300U60A	300U60A	DO-9	600	300	130	37.92	30.33	20.93
844-70HFR80	70HFR80	DO-5	800	70	140	12.95	10.36	7.77
844-70HF100	70HF100	DO-5	1000	70	140	13.19	10.55	9.22
844-70HF120	70HF120	DO-5	1200	70	140	17.37	13.89	9.55
844-85HFR160	85HFR160	DO-5	1200	85	140	17.44	13.95	10.46

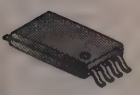
INTERNATIONAL RECTIFIER PHASE CONTROL SCR

For quantities of 500 and up, call for quote

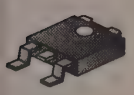
MOUSER STOCK NO.	IR Part No.	Package	V_{RRM} (V)	I_{FAV} (A)	@ TC (°C)	Price Each 1	25	100
844-25RIA40	25RIA40	TO-48	400	25	85	19.42	15.54	13.59
844-50RIA40	50RIA40	TO-65	400	50	94	16.18	11.97	11.33
844-50RIA60	50RIA60	TO-65	600	50	94	23.84	19.07	12.67
844-50RIA80	50RIA80	TO-65	800	50	94	18.79	13.91	13.16
844-25RIA120	25RIA120	TO-48	1200	25	85	8.50	7.75	6.50
844-50RIA120	50RIA120	TO-65	1200	50	94	33.69	26.95	17.92
844-80RIA120	80RIA120	TO-94	1200	80	85	54.02	39.29	36.40

N-CHANNEL ENHANCEMENT MODE MOSFETs

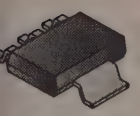
Surface Mount



TSSOP-8



TO-252/TO-263

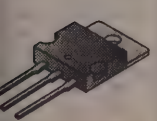


SOT-223

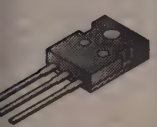
For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Breakdown Voltage (Min) (V)	Drain Current (Cont.) (Max) (A)	Total Dissipation @ 25°C (Max)(W)	Static Drain-Source On Resistance		Price Each			
						Ohms (Max)	@ Drain Current (A)	1	100	500	1000
511-STC5NF30V	STC5NF30V	TSSOP-8	30	5.0	1.5	0.031	2.5	.32	.27	.24	.22
511-STB140NF55	STB140NF55T4	TO-263	55	80.0	300.0	0.008	40.0	1.96	1.66	1.47	1.35
511-STD16NE06	STD16NE06T4	TO-252	60	16.0	40.0	0.085	8.0	.78	.66	.59	.54
511-STD45NF75	STD45NF75T4	TO-252	75	40.0	100.0	0.024	20.0	.69	.59	.52	.48
511-STN2NE10	STN2NE10	SOT-223	100	2.0	2.5	0.400	1.0	.48	.41	.36	.33
511-STD10NF10	STD10NF10T4	TO-252	100	10.0	50.0	0.130	5.0	.64	.54	.48	.44
511-STD15NF10	STD15NF10t4	TO-252	100	23.0	70.0	0.065	10.0	.70	.60	.53	.49
511-STB80NF10	STB80NF10T4	TO-263	100	80.0	300.0	0.015	40.0	3.27	2.12	1.69	1.34
511-STD5N20	STD5N20T4	TO-252	200	5.0	45.0	0.800	2.5	.56	.48	.42	.39
511-STD7NB20	STD7NB20	TO-252	200	7.0	55.0	0.400	3.5	.96	.82	.72	.66
511-IRF630S	IRF630ST4	TO-263	200	9.0	70.0	0.400	5.0	.92	.78	.69	.63
511-STD20N20	STD20N20T4	TO-252	200	18.0	90.0	0.125	10.0	.97	.82	.72	.66
511-STB19NB20	STB19NB20	TO-263	200	19.0	125.0	0.180	9.5	1.42	1.21	1.07	.98
511-STD3NK50Z	STD3NK50ZT4	TO-252	500	2.3	45.0	3.300	1.15	.87	.74	.66	.61
511-STB5NK50Z	STB5NK50ZT4	TO-263	500	4.4	70.0	1.500	2.2	.67	.57	.50	.46
511-STB20NK50Z	STB20NK50ZT4	TO-263	500	17.0	190.0	0.270	8.5	2.10	1.79	1.58	1.45
511-STD2NB60	STD2NB60T4	TO-252	600	2.6	50.0	3.600	1.6	.80	.68	.60	.55
511-STB9NK60ZD	STB9NK60ZDT4	TO-263	600	7.0	125.0	0.950	3.5	1.50	1.28	1.13	1.04
511-STB8NM60	STB8NM60T4	TO-263	650	5.0	96.0	1.000	2.5	1.90	1.62	1.43	1.32
511-STD2NK70Z	STD2NK70ZT4	TO-252	700	1.6	45.0	7.000	0.8	.81	.69	.60	.55
511-STB12NK80Z	STB12NK80ZT4	TO-263	800	10.5	190.0	0.750	5.25	2.36	2.01	1.77	1.63
511-STD2NK90Z	STD2NK90ZT4	TO-252	900	2.1	70.0	6.500	1.05	.81	.69	.60	.55
511-STB120NF10	STB120NF10T4	TO-263	1000	120.0	312.0	0.0105	60.00	2.08	1.77	1.56	1.44

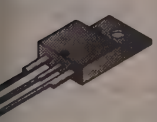
Thru-Hole



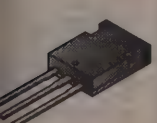
TO-220AB



TO-247



TO-220FP



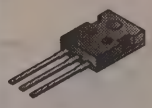
MAX247

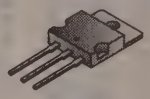
For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Breakdown Voltage (Min) (V)	Drain Current (Cont.) (Max) (A)	Total Dissipation @ 25°C (Max)(W)	Static Drain-Source On Resistance		Price Each			
						Ohms (Max)	@ Drain Current (A)	1	100	500	1000
511-STP85NF3LL	STP85NF3LL	TO-220AB	30	85.0	110.0	0.0080	40.0	1.80	1.53	1.35	1.24
511-STP100NF04	STP100NF04	TO-220AB	40	120.0	300.0	0.0046	50.0	2.20	1.87	1.65	1.52
511-STP80NF55-06	STP80NF55-06	TO-220AB	55	80.0	300.0	0.0065	40.0	2.31	1.62	1.16	1.04
511-STP140NF55	STP140NF55	TO-220AB	55	80.0	300.0	0.0080	40.0	1.56	1.33	1.17	1.08
511-STP85NF55	STP85NF55	TO-220AB	55	80.0	300.0	0.008	40.0	1.80	1.53	1.35	1.24
511-STP80NF55-08	STP80NF55-08	TO-220AB	55	80.0	300.0	0.008	40.0	2.30	1.96	1.60	1.51
511-STP16NF06	STP16NF06L	TO-220AB	60	16.0	45.0	0.100	8.0	.86	.48	.32	.29
511-STF20NF06	STF20NF06	TO-220FP	60	20.0	28.0	0.070	10.0	.41	.35	.31	.29
511-STP20NF06	STP20NF06	TO-220AB	60	20.0	28.0	0.070	10.0	.60	.51	.45	.41
511-STF40NF06	STF40NF06	TO-220FP	60	23.0	30.0	0.028	11.5	.84	.71	.63	.58
511-STP45NF06	STP45NF06	TO-220AB	60	38.0	80.0	0.028	19.0	.86	.73	.65	.60
511-STP55NF06	STP55NF06	TO-220AB	60	50.0	110.0	0.018	27.5	1.35	.90	.60	.52
511-STP60NE06-16	STP60NE06-16	TO-220AB	60	60.0	150.0	0.016	30.0	2.11	1.48	1.06	.95
511-STP60NF06	STP60NF06	TO-220AB	60	60.0	110.0	0.016	30.0	1.86	1.24	.82	.72
511-STP50NE08	STP50NE08	TO-220AB	80	50.0	150.0	0.024	25.0	2.19	1.53	1.10	.99
511-STP24NF10	STP24NF10	TO-220AB	100	24.0	85.0	0.060	12.0	.88	.75	.66	.61
511-STP35NF10	STP35NF10	TO-220AB	100	40.0	115.0	0.035	17.5	1.54	1.03	.68	.59
511-STP50NE10	STP50NE10	TO-220AB	100	50.0	150.0	0.027	25.0	2.07	1.45	1.04	.93
511-STP60NF10	STP60NF10	TO-220AB	100	80.0	300.0	0.023	40.0	2.79	1.81	1.45	1.38
511-STP80NF10	STP80NF10	TO-220AB	100	80.0	300.0	0.015	40.0	2.79	1.95	1.40	1.26
511-STP40NF12	STP40NF12	TO-220AB	120	40.0	150.0	0.032	20.0	1.50	1.28	1.13	1.04
511-STP40NS15	STP40NS15	TO-220AB	150	40.0	140.0	0.052	40.0	1.88	1.60	1.41	1.30
511-IRF620	IRF620	TO-220AB	200	6.0	70.0	0.800	3.0	1.08	.65	.44	.37
511-IRF630	IRF630	TO-220AB	200	9.0	75.0	0.400	5.0	1.22	.73	.50	.42
511-STP10NB20	STP10NB20	TO-220AB	200	10.0	85.0	0.400	5.0	.96	.82	.72	.66
511-IRF640	IRF640	TO-220AB	200	18.0	125.0	0.180	9.0	1.28	.85	.56	.49
511-STF20N20	STF20N20	TO-220FP	200	18.0	25.0	0.125	10.0	1.56	1.09	.78	.70
511-STP19NB20	STP19NB20	TO-220AB	200	18.0	90.0	0.125	10.0	1.80	1.26	.90	.81
511-STP20N20	STP20N20	TO-220AB	200	18.0	90.0	0.125	10.0	1.56	1.09	.78	.70
511-STW34NB20	STW34NB20	TO-247	200	34.0	180.0	0.075	17.0	3.24	2.10	1.68	1.60
511-STP40N20	STP40N20	TO-220AB	200	40.0	160.0	0.045	20.0	1.96	1.66	1.47	1.35
511-STW40N20	STW40N20	TO-247	200	40.0	160.0	0.045	20.0	1.50	1.27	1.12	1.03
511-IRF644	IRF644	TO-220AB	250	14.0	125.0	0.280	8.4	1.58	1.05	.70	.61
511-STP22NS25Z	STP22NS25Z	TO-220AB	250	22.0	135.0	0.150	11.0	1.60	1.36	1.20	1.10
511-STW52NK25Z	STW52NK25Z	TO-247	250	52.0	300.0	0.045	26.0	3.45	2.93	2.59	2.38
511-STP12NB30	STP12NB30	TO-220AB	300	12.0	125.0	0.400	6.0	1.52	1.29	1.14	1.05
511-STY60NK30Z	STY60NK30Z	MAX247	300	60.0	450.0	0.045	30.0	6.34	5.39	4.76	4.38
511-STP5NB40	STP5NB40	TO-220AB	400	4.7	80.0	1.800	2.3	1.86	1.58	1.40	1.29
511-IRF730	IRF730	TO-220AB	400	5.5	100.0	1.000	3.3	1.16	.78	.51	.45
511-STP7NB40	STP7NB40	TO-220AB	400	7.0	100.0	0.900	3.5	1.18	1.00	.89	.82
511-IRF740	IRF740	TO-220AB	400	10.0	125.0	0.550	5.3	1.54	1.31	1.14	1.03
511-STP11NB40	STP11NB40	TO-220AB	400	10.7	125.0	0.550	5.3	1.88	1.60	1.41	1.30
511-STW18NB40	STW18NB40	TO-247	400	18.4	190.0	0.260	6.2	4.30	3.66	3.23	2.97
511-IRF820	IRF820	TO-220AB	500	4.0	80.0	3.000	1.5	1.01	.68	.45	.39
511-IRF830	IRF830	TO-220AB	500	4.5	100.0	1.500	2.7	1.09	.73	.48	.42
511-STP6NK50Z	STP6NK50Z	TO-220AB	500	5.6	90.0	1.200	2.8	.64	.54	.48	.44
511-IRF840	IRF840	TO-220AB	500	8.0	125.0	0.850	4.8	1.54	1.03	.68	.59
511-STP9NB50	STP9NB50	TO-220AB	500	8.6	125.0	0.850	4.3	2.23	1.56	1.11	.99
511-STP12NM50	STP12NM50	TO-220AB	500	12.0	160.0	0.350	6.0	3.50	2.98	2.44	2.31
511-STP12NM50FP	STP12NM50FP	TO-220FP	500	12.0	35.0	0.350	6.0	3.20	2.72	2.23	2.11
511-STW14NK50Z	STW14NK50Z	TO-247	500	14.0	150.0	0.380	6.0	2.80	2.38	1.95	1.85
511-STW14NM50	STW14NM50	TO-247	500	14.0	175.0	0.350	6.0	4.10	3.49	2.86	2.71
511-STW15NB50	STW15NB50	TO-247	500	14.6	190.0	0.360	7.5	4.46	2.89	2.31	2.19
511-STW20NK50Z	STW20NK50Z	TO-247	500	17.0	190.0	0.270	8.5	2.30	1.96	1.60	1.51

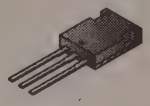
STMICROELECTRONICS Power MOSFET Transistors

STMicroelectronics


TO-247


TO-220AB

TO-220FP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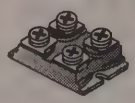
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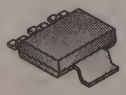
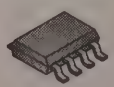
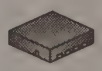

SOT-223

TO-252/TO-263


SO-8


PowerFlat (3.3 x 3.3)

PowerFlat (6 x 5)

N-CHANNEL ENHANCEMENT MODE MOSFETs (CONT.)

Thru-Hole (cont.)

For quantities 2000 and up, call for quot

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Breakdown Voltage (Min) (V)	Drain Current (Cont.) (Max) (A)	Total Dissipation @ 25°C (Max)(W)	Static Drain Source On Resistance		Price Each			
						Ohms (Max)	@ Drain Current (A)	1	100	500	100
511-STW20NB50	STW20NB50	TO-247	500	20.0	250.0	0.250	10.0	4.40	2.85	2.28	2.1
511-STW20NM50	STW20NM50	TO-247	500	20.0	214.0	0.250	10.0	4.00	3.40	2.79	2.6
511-STW20NM50FD	STW20NM50FD	TO-247	500	20.0	214.0	0.250	10.0	5.75	4.15	3.25	3.2
511-STP20NM50	STP20NM50	TO-220AB	500	20.0	192.0	0.250	10.0	4.00	3.40	2.79	2.6
511-STP20NM50FP	STP20NM50FP	TO-220FP	500	20.0	45.0	0.250	10.0	4.20	3.57	3.15	2.9
511-STW26NM50	STW26NM50	TO-247	500	30.0	313.0	0.120	13.0	7.48	5.39	4.23	4.2
511-STW29NK50Z	STW29NK50Z	TO-247	500	31.0	350.0	0.130	15.5	6.00	5.10	4.50	4.1
511-STY34NB50	STY34NB50	MAX247	500	34.0	450.0	0.130	17.0	11.41	7.98	7.42	7.4
511-STW45NM50	STW45NM50	TO-247	500	45.0	417.0	0.100	22.5	11.39	8.21	6.44	6.4
511-STW45NM50FD	STW45NM50FD	TO-247	500	45.0	417.0	0.100	22.5	10.99	7.69	7.15	7.1
511-STE53NC50	STE53NC50	ISOTOP	500	53.0	460.0	0.080	27.0	30.63	23.27	22.75	22.7
511-STY60NM50	STY60NM50	MAX247	500	60.0	560.0	0.050	30.0	17.00	11.90	11.05	11.0
511-STP2NK60Z	STP2NK60Z	TO-220AB	600	1.4	45.0	8.000	0.7	.40	.34	.30	.2
511-STP4NC60	STP4NC60	TO-220AB	600	4.0	100.0	2.200	1.5	1.20	1.02	.90	.8
511-STF9NK60ZD	STF9NK60ZD	TO-220FP	600	7.0	30.0	0.950	3.5	1.43	1.21	1.07	.9
511-STP9NK60ZD	STP9NK60ZD	TO-220AB	600	7.0	125.0	0.950	3.5	1.30	1.11	.98	.9
511-STP7NB60	STP7NB60	TO-220AB	600	7.2	125.0	1.200	3.6	2.31	1.62	1.16	1.0
511-STP11NM60	STP11NM60	TO-220AB	600	11.0	160.0	0.450	5.5	2.74	2.33	1.90	1.8
511-STP11NM60A	STP11NM60A	TO-220AB	600	11.0	110.0	0.450	5.5	2.60	2.21	1.95	1.7
511-STP11NM60FD	STP11NM60FD	TO-220AB	600	11.0	160.0	0.450	5.5	3.90	3.32	2.72	2.5
511-STP11NM60FDFP	STP11NM60FDFP	TO-220FP	600	11.0	35.0	0.450	5.5	4.20	3.57	3.15	2.9
511-STW13NB60	STW13NB60	TO-247	600	13.0	190.0	0.540	6.5	5.94	3.85	3.08	2.9
511-STP16NK60Z	STP16NK60Z	TO-220AB	600	14.0	190.0	0.420	7.0	1.80	1.53	1.35	1.2
511-STW16NB60	STW16NB60	TO-247	600	16.0	250.0	0.360	8.0	5.00	4.25	3.75	3.4
511-STW18NK60Z	STW18NK60Z	TO-247	600	16.0	230.0	0.360	8.0	3.40	2.89	2.55	2.3
511-STP20NM60FP	STP20NM60FP	TO-220FP	600	20.0	45.0	0.290	10.0	4.20	3.57	2.93	2.7
511-STW28NK60Z	STW28NK60Z	TO-247	600	27.0	350.0	0.185	13.5	6.90	4.98	3.90	3.9
511-STW26NM60	STW26NM60	TO-247	600	30.0	313.0	0.135	13.0	6.50	5.38	4.23	4.2
511-STW30NM60D	STW30NM60D	TO-247	600	30.0	312.0	0.145	15.0	8.50	7.23	6.38	5.8
511-STP20NM60A	STP20NM60A	TO-220AB	650	20.0	192.0	0.290	10.0	4.40	3.74	3.30	3.0
511-STW45NM60	STW45NM60	TO-247	650	45.0	417.0	0.110	22.5	10.00	7.00	6.50	6.5
511-STF3NK80Z	STF3NK80Z	TO-220FP	800	2.5	25.0	4.500	1.25	.69	.59	.52	.4
511-STP3NK80Z	STP3NK80Z	TO-220AB	800	2.5	70.0	4.500	1.25	.88	.75	.66	.6
511-STW8NB80	STW8NB80	TO-247	800	7.5	170.0	1.600	3.7	4.60	3.91	3.45	3.1
511-STW9NB80	STW9NB80	TO-247	800	9.0	190.0	1.000	4.6	5.40	4.59	4.05	3.7
511-STF11NM80	STF11NM80	TO-220FP	800	11.0	35.0	0.400	5.5	2.20	1.87	1.65	1.5
511-STP11NM80	STP11NM80	TO-220AB	800	11.0	160.0	0.450	5.5	5.60	4.76	4.20	3.8
511-STW11NB80	STW11NB80	TO-247	800	11.0	190.0	0.800	5.5	5.94	3.85	3.08	2.9
511-STW11NM80	STW11NM80	TO-247	800	11.0	150.0	0.400	5.5	4.80	4.08	3.60	3.3
511-STW18NK80Z	STW18NK80Z	TO-247	800	18.0	350.0	0.380	10.0	5.60	4.76	4.20	3.8
511-STE45NK80ZD	STE45NK80ZD	ISOTOP	800	45.0	600.0	0.130	22.5	33.00	28.05	24.75	22.7
511-STP2NK90Z	STP2NK90Z	TO-220AB	900	2.1	70.0	6.500	1.05	.58	.49	.43	.4
511-STF3HNK90Z	STF3HNK90Z	TO-220FP	900	3.0	25.0	4.200	1.5	.74	.63	.55	.5
511-STP5NK90Z	STP5NK90Z	TO-220AB	900	4.5	125.0	2.500	2.25	1.84	1.56	1.38	1.2
511-STP9NK90Z	STP9NK90Z	TO-220AB	900	8.0	160.0	1.300	3.60	1.72	1.46	1.29	1.1
511-STW9NK90Z	STW9NK90Z	TO-247	900	8.0	160.0	1.300	3.60	1.96	1.67	1.47	1.3
511-STW12NK90Z	STW12NK90Z	TO-247	900	11.0	230.0	0.880	5.50	3.20	2.72	2.40	2.2
511-STE30NK90Z	STE30NK90Z	ISOTOP	900	28.0	500.0	0.260	14.0	44.00	37.40	33.00	30.3
511-STE40NK90ZD	STE40NK90ZD	ISOTOP	900	40.0	600.0	0.180	20.0	33.00	28.05	24.75	22.7
511-STP3NB100	STP3NB100	TO-220AB	1000	3.0	100.0	6.000	1.5	2.16	1.51	1.08	.9
511-STF5NK100Z	STF5NK100Z	TO-220FP	1000	3.5	30.0	3.700	1.75	1.43	1.21	1.07	.9
511-STP5NK100Z	STP5NK100Z	TO-220AB	1000	3.5	125.0	3.700	1.75	1.79	1.52	1.35	1.2
511-STP5NB100	STP5NB100	TO-220AB	1000	5.0	135.0	2.700	2.5	2.10	1.79	1.58	1.4

P-CHANNEL ENHANCEMENT MODE MOSFETs

Surface Mount

For quantities 2000 and up, call for quot

511-STD10PF06-TR	STD10PF06T4	TO-252	60	10.0	40.0	0.200	5.0	.86	.51	.31	.2

Thru-Hole

For quantities 2000 and up, call for quot

511-STP80PF55	STP80PF55	TO-220AB	55	80.0	300.0	0.018	40.0	2.46	1.72	1.23	1.1
511-STF12PF06	STF12PF06	TO-220FP	60	12.0	225.0	0.200	10.0	.55	.47	.41	.3
511-STP12PF06	STP12PF06	TO-220AB	60	12.0	225.0	0.200	10.0	.84	.50	.35	.2

N-CHANNEL ENHANCEMENT MODE LOGIC LEVEL MOSFETs

Surface Mount

*Dual Gate MOSFETs

For quantities 2000 and up, call for quo

*511-STD95NH02L	STD95NH02LT4	TO-252	24	80.0	100.00	0.0050	40.00	2.34	1.64	1.17	1.0
*511-STS3DNF30L	STS3DNF30L	SO-8	30	3.5	2.0	0.0650	1.75	.84	.71	.63	.5
*511-STS5DNE30L	STS5DNE30L	SO-8	30	5.0	2.0	0.0450	2.5	1.00	.85	.75	.6
*511-STL8NH3LL	STL8NH3LL	PowerFlat 3.3x3.3	30	8.0	50.0	0.0150	4.0	1.58	1.05	.70	.6
*511-STS8DNF3LL	STS8DNF3LL	SO-8	30	8.0	2.0	0.0200	4.0	1.31	.88	.58	.5
*511-STS8DNH3LL	STS8DNH3LL	SO-8	30	8.0	2.0	0.0220	4.0	.74	.63	.56	.5
511-STS10NF30L	STS10NF30L	SO-8	30	10.0	2.5	0.0135	5.0	1.04	.88	.78	.7
511-STS12NF30L	STS12NF30L	SO-8	30	12.0	2.5	0.0100	6.0	1.83	1.28	.91	.8
511-STS12NH3LL	STS12NH3LL	SO-8	30	12.0	2.5	0.0105	6.0	1.50	1.00	.66	.5
511-STS25NH3LL-E	STS25NH3LL-E	SO-8	30	25.0	3.2	0.0035	12.5	1.10	.94	.83	.7
511-STL50NH3LL	STL50NH3LL	PowerFlat 6x5	30	27.0	60.0	0.0130	6.5	1.80	1.20	.80	.7
511-STN3NF06L	STN3NF06L	SOT-223	60	3.0	2.5	0.1000	1.5	.60	.51	.45	.4
511-STD12NF06L	STD12NF06LT4	TO-252	60	12.0	30.0	0.1000	6.0	.81	.45	.30	.2
511-STB16NF06L	STB16NF06LT4	TO-263	60	16.0	45.0	0.1000	8.0	.60	.51	.45	.4
511-STD16NF06L	STD16NF06LT4	TO-252	60	24.0	40.0	0.0700	8.0	.70	.60	.53	.4
511-STB55NF06L	STB55NF06LT4	TO-263	60	55.0	95.0	0.0140	27.5	1.20	1.02	.90	.8
511-STN2NE10L	STN2NE10L	SOT-223	100	1.8	2.5	0.4000	1.0	.50	.43	.38	.3
511-STD5N20L	STD5N20LT4	TO-252	200	5.0	33.0	0.7000	2.5	.56	.48	.42	.3

TO-220AB

N-CHANNEL ENHANCEMENT MODE LOGIC LEVEL MOSFETs (CONT.)

Thru-Hole (cont.)

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Breakdown Voltage (Min) (V)	Drain Current (Cont.) (Max) (A)	Total Dissipation @ 25°C (Max)(W)	Static Drain Source On Resistance		Price Each			
						Ohms (Max)	@ Drain Current (A)	1	100	500	1000
511-STP40NF03L	STP40NF03L	TO-220AB	30	40.0	70.0	0.0350	20.0	1.70	1.45	1.26	1.13
511-STP80NE03L06	STP80NE03L-06	TO-220AB	30	80.0	150.0	0.0060	40.0	2.20	1.87	1.65	1.52
511-STP80NF03L	STP80NF03L	TO-220AB	30	80.0	300.0	0.0045	40.0	1.12	.95	.84	.77
511-STP80NF03L-04	STP80NF03L-04	TO-220AB	30	80.0	300.0	0.0040	40.0	2.97	1.93	1.54	1.46
511-STP85NF55L	STP85NF55L	TO-220AB	55	80.0	300.0	0.0080	40.0	2.00	1.70	1.50	1.38
511-STP16NF06L	STP16NF06L	TO-220AB	60	16.0	45.0	0.1000	8.0	.99	.59	.41	.34
511-STP20NF06L	STP20NF06L	TO-220AB	60	20.0	60.0	0.0700	10.0	.60	.51	.45	.41
511-STP36NF06L	STP36NF06L	TO-220AB	60	30.0	70.0	0.0480	15.0	.80	.68	.60	.55
511-STP45NF06L	STP45NF06L	TO-220AB	60	38.0	80.0	0.0280	19.0	.86	.73	.65	.60
511-STP55NF06L	STP55NF06L	TO-220AB	60	55.0	95.0	0.0200	27.5	1.66	1.10	.72	.63

SO-8

P-CHANNEL ENHANCEMENT MODE LOGIC LEVEL MOSFETs

Surface Mount

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Breakdown Voltage (Min) (V)	Drain Current (Cont.) (Max) (A)	Total Dissipation @ 25°C (Max)(W)	Static Drain Source On Resistance		Price Each			
						Ohms (Max)	@ Drain Current (A)	1	100	500	1000
* 511-STS4DPFS30L	STS4DPFS30L	SO-8	30	5.0	2.50	0.0550	2.50	.76	.65	.57	.52
511-STS10PF30L	STS10PF30L	SO-8	30	10.0	2.50	0.0140	5.0	1.50	1.00	.66	.58
* 511-STS3DPF60L	STS3DPF60L	SO-8	60	3.0	2.00	0.1200	1.5	1.43	.95	.63	.55
511-STB16PF06L	STB16PF06LT4	TO-263	60	16.0	70.0	0.1250	8.0	1.28	.85	.56	.49

TO-252/TO-263

N & P-CHANNEL ENHANCEMENT MODE LOGIC LEVEL MOSFETs

Surface Mount

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Breakdown Voltage (Min) (V)	Drain Current (Cont.) (Max) (A)	Total Dissipation @ 25°C (Max)(W)	Static Drain Source On Resistance		Price Each			
						Ohms (Max)	@ Drain Current (A)	1	100	500	1000
511-STS8C5H30L	STS8C5H30L	SO-8	30/30	8.0/5.0	1.60	0.022/0.025	4.0/4.0	.84	.71	.63	.58
511-STS4C3F60L	STS4C3F60L	SO-8	60/60	4.0/3.0	2.00	0.055/0.065	2.0/2.0	1.50	1.00	.91	.91

TO-220FP

N-CHANNEL IGBT (INSULATED GATE BIPOLAR TRANSISTOR) MOSFETs

Surface Mount

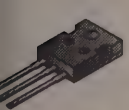
For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Collector-Emitter Voltage (Min) (V)	Collector Current (Cont.) (Max) (A)	Total Dissipation @ 25°C (Max)(W)	Delay Time		Price Each			
						On (nS) (Typ)	Off (nS) (Typ)	1	100	500	1000
511-STGD7NB60H	STGD7NB60H	TO-252	600	7.0	55.0	15.0	75.0	1.64	1.39	1.23	1.13
511-STGD7NC60H	STGD7NC60HT4	TO-252	600	14.0	70.0	18.5	116.0	1.62	1.13	.81	.73
511-STGB7NC60HD	STGB7NC60HDT4	TO-263	600	14.0	80.0	18.5	72.0	1.59	1.11	.80	.72
511-STGB12NB60KD	STGB12NB60KDT4	TO-263	600	18.0	125.0	25.0	150.0	1.80	1.53	1.35	1.24
511-STGD5NB120SZ	STGD5NB120SZT4	TO-252	1200	5.0	55.0	690.0	12100.0	1.12	.95	.84	.77

Thru-Hole

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Collector-Emitter Voltage (Min) (V)	Collector Current (Cont.) (Max) (A)	Total Dissipation @ 25°C (Max)(W)	Delay Time		Price Each			
						On (nS) (Typ)	Off (nS) (Typ)	1	100	500	1000
511-STGF7NC60HD	STGF7NC60HD	TO-220FP	600	7.0	25.0	18.5	116.0	1.00	.85	.75	.69
511-STGP7NB60HD	STGP7NB60HD	TO-220AB	600	7.0	80.0	15.0	-----	2.30	1.96	1.73	1.59
511-STGP10NB60S	STGP10NB60S	TO-220AB	600	10.0	80.0	700.0	-----	2.52	2.14	1.89	1.74
511-STGP20NC60V	STGP20NC60V	TO-220AB	600	30.0	200.0	31.0	100.0	2.30	1.96	1.73	1.59
511-STGW20NC60V	STGW20NC60V	TO-247	600	30.0	200.0	31.0	100.0	3.11	2.64	2.33	2.14
511-STGW20NC60VD	STGW20NC60VD	TO-247	600	30.0	200.0	31.0	100.0	3.22	2.74	2.42	2.23
511-STGW50NB60H	STGW50NB60H	TO-247	600	50.0	250.0	30.0	326.0	5.60	4.76	4.20	3.86
511-STGW40NC60V	STGW40NC60V	TO-247	600	50.0	260.0	43.0	140.0	5.98	5.08	4.49	4.13
511-STGF3NC120HD	STGF3NC120HD	TO-220FP	1200	3.0	25.0	15.0	210.0	1.38	1.17	1.04	.96



TO-247

N-CHANNEL INTERNALLY CLAMPED IGBT (INSULATED GATE BIPOLAR TRANSISTOR) MOSFETS

Surface Mount

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Collector-Emitter Voltage (Min) (V)	Collector Current (Cont.) (Max) (A)	Total Dissipation @ 25°C (Max)(W)	Delay Time		Price Each			
						On (nS) (Typ)	Off (nS) (Typ)	1	100	500	1000
511-STGB10NB40LZ	STGB10NB40LZT4	TO-263	Clamped	20.0	150.0	1300.0	8.0	2.90	2.47	2.18	2.01
511-STGB20NB41LZ	STGB20NB41LZT4	TO-263	Clamped	20.0	200.0	1000.0	12.1	3.80	3.23	2.85	2.62

ISOWATT220AB

AUTOPROTECTED POWER MOSFETs

Surface Mount

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Clamp Voltage Min. (V)	Drain Current Limit Min. (A)	Static Drain-Source On State Resistance Max. (Ω)	Power Dissipation (W)	Turn-On/ Turn-Off Delay Time Typ. (nS)	Price Each			
								1	100	500	1000
511-VNS3NV04D	VNS3NV04D	SO-8	40	3.5	0.0024	4.0	300/1350	1.14	.97	.84	.75
511-VND5N07	VND5N07	TO-252	70	5.0	0.28	60.0	100/300	1.20	1.02	.89	.80
511-VNB20N07	VNB20N07	TO-263	70	20.0	0.07	83.0	180/800	2.54	2.16	1.76	1.67

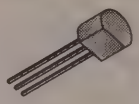
Thru-Hole

For quantities 2000 and up, call for quote.

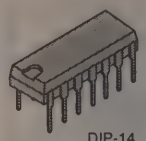
MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Clamp Voltage Min. (V)	Drain Current Limit Min. (A)	Static Drain-Source On State Resistance Max. (Ω)	Power Dissipation (W)	Turn-On/ Turn-Off Delay Time Typ. (nS)	Price Each			
								1	100	500	1000
511-VNP14NV04	VNP14NV04	TO-220AB	40	12.0	0.035	70.0	80/450	1.52	1.29	1.14	1.05
511-VNP35NV04	VNP35NV04	TO-220AB	40	30.0	0.01	125.0	150/900	4.54	3.86	3.16	3.00
511-VNP14N04	VNP14N04	TO-220AB	42	14.0	0.10	50.0	120/400	1.58	1.34	1.17	1.05
511-VNP28N04	VNP28N04	TO-220AB	42	14.0	0.10	83.0	120/400	2.56	2.18	1.78	1.69
511-VNP49N04	VNP49N04	TO-220AB	42	49.0	0.05	125.0	600/2400	3.40	2.89	2.37	2.25
511-VNW100N04	VNW100N04	TO-247	42	100.0	0.015	50.0	250/1800	7.64	6.49	5.73	5.27
511-VNP10N06	VNP10N06	TO-220AB	60	10.0	0.30	42.0	1600/400	1.08	.92	.80	.71
511-VNP10N07	VNP10N07	TO-220AB	70	10.0	0.14	50.0	100/400	1.58	1.34	1.17	1.05
511-VNP10N07FI	VNP10N07FI	ISOWATT220AB	70	10.0	0.14	31.0	100/400	1.64	1.39	1.22	1.09
511-VNP35N07	VNP35N07	TO-220AB	70	35.0	0.035	125.0	200/1000	3.70	3.15	2.58	2.45
511-VNP35N07FI	VNP35N07FI	ISOWATT220AB	70	35.0	0.035	40.0	200/1000	3.80	3.23	2.85	2.62

SOT-23-3

SOT-89-3


TO-92

SO-8


DIP-14

◆ Surface Mount Devic

P-CHANNEL ENHANCEMENT-MODE MOSFETs

† Low Threshold

For quantities 2000 and up, call for qu

	MOUSER STOCK NO.	Supertex Part No.	Package Type	Drain-to-Source Breakdown Voltage	Gate Threshold Voltage		Drain-to-Source ON-State Resistance	ON-State Drain Current	Input Capacitance	Turn-ON/ Turn-OFF Delay Time		Power Dissipation	Price Each			
				BV_{DSS}	$V_{GS(th)}$		$R_{DS(ON)}$	$I_{D(ON)}$	C_{ISS}	$t_{(ON)}$	$t_{(OFF)}$	@ TA=25°C				
				Min. (V)	Min. (V)	Max. (V)	Max. (Ω)	Min. (A)	(pF)	Max. (ns)	Max. (ns)	(W)	1	100	500	10
◆	† 689-LP0701LG	LP0701LG	SO-8	-16.5	0.5	-1	1.5	-1.25	120	20	30	1.5	1.24	1.03	.95	
	† 689-LP0701N3	LP0701N3	TO-92	-16.5	0.5	-1	1.5	-1.25	120	20	30	1	.95	.79	.73	
◆	† 689-TP2502N8-G	TP2502N8-G	SOT-89-3	-20	-1	-2.4	2	-2	100	10	15	1.6	.86	.71	.66	
	689-VP3203N3-G	VP3203N3-G	TO-92	-30	-1	-3.5	0.6	-4	220	10	25	0.74	.99	.82	.76	
◆	† 689-TP2104K1	TP2104K1	SOT-23-3	-40	-1	-2	6	-0.6	45	6	9	0.36	.42	.35	.32	
	† 689-TP2104N3-G	TP2104N3-G	TO-92	-40	-1	-2	6	-0.6	45	6	9	0.74	.42	.35	.32	
	689-VP0104N3	VP0104N3	TO-92	-40	-1.5	-3.5	8	-0.5	45	4	8	1	.48	.40	.37	
◆	689-TP0610T-G	TP0610T-G	SOT-23-3	-60	-1	-2.4	10	-0.05	60	10	15	0.36	.49	.41	.38	
	† 689-TP0606N3-G	TP0606N3-G	TO-92	-60	-1	-2.4	3.5	-1.5	80	10	20	1	.59	.49	.45	
	689-VP2106N3-G	VP2106N3-G	TO-92	-60	-1.5	-3.5	12	-0.5	45	5	9	0.74	.34	.28	.26	
	689-VP0106N3-G	VP0106N3-G	TO-92	-60	-1.5	-3.5	8	-0.5	45	4	8	1	.53	.44	.41	
	689-VP2206N3	VP2206N3	TO-92	-60	-1	-3.5	0.9	-4	325	15	50	1	1.33	1.11	1.02	
	689-VP0808L	VP0808L	TO-92	-80	-1	-4.5	5	-1.1	150	15	30	1	.99	.82	.76	
	689-VP0109N3-G	VP0109N3-G	TO-92	-90	-1.5	-3.5	8	-0.5	45	4	8	1	.59	.49	.45	
◆	† 689-TP2510N8	TP2510N8	SOT-89-3	-100	-1	-2.4	3.5	-1.5	80	10	20	1.6	.78	.65	.60	
◆	689-VP2110K1	VP2110K1	SOT-23-3	-100	-1.5	-3.5	12	-0.5	45	5	9	0.74	.40	.33	.31	
	† 689-TP0620N3	TP0620N3	TO-92	-200	-1	-2.4	12	-0.75	85	10	20	1	.91	.76	.70	
◆	† 689-TP2520N8	TP2520N8	SOT-89-3	-200	-1	-2.4	12	-0.25	75	10	20	1.6	.87	.73	.67	
◆	† 689-TP2522N8-G	TP2522N8-G	SOT-89-3	-220	-1	-2.4	12	-0.25	75	10	20	1.6	.93	.77	.72	
◆	† 689-TP2424N8	TP2424N8	SOT-89-3	-240	-1	-2.4	8	-0.8	200	20	35	1.6	.91	.76	.70	
	† 689-TP2635N3	TP2635N3	TO-92	-350	-0.8	-2	15	-0.7	220	10	60	1	1.03	.85	.79	
◆	† 689-TP5335K1	TP5335K1	SOT-23-3	-350	-1	-2.4	30	-0.4	65	20	25	0.36	.59	.49	.45	
	† 689-TP2535N3	TP2535N3	TO-92	-350	-1	-2.4	25	-0.4	60	10	20	0.74	.87	.73	.67	
◆	† 689-TP2435N8	TP2435N8	SOT-89-3	-350	-1	-2.4	15	-0.8	200	15	25	1.6	.95	.79	.73	
◆	† 689-TP2640LG-G	TP2640LG-G	SO-8	-400	-0.8	-2	15	-0.7	220	10	60	1.3	1.33	1.11	1.02	
	† 689-TP2640N3	TP2640N3	TO-92	-400	-0.8	-2	15	-0.7	220	10	60	1	1.06	.88	.82	
	† 689-TP2540N3	TP2540N3	TO-92	-400	-1	-2.4	25	-0.4	60	10	20	0.74	.91	.76	.70	
◆	† 689-TP2540N8-G	TP2540N8-G	SOT-89-3	-400	-1	-2.4	25	-0.4	60	10	20	1.6	1.05	.87	.80	
	689-VP2450N3	VP2450N3	TO-92	-500	-1.5	-3.5	30	-0.2	130	10	45	1	1.05	.87	.80	
◆	689-VP2450N8	VP2450N8	SOT-89-3	-500	-1.5	-3.5	30	-0.2	130	10	45	1.6	1.10	.92	.85	
	689-VP0550N3	VP0550N3	TO-92	-500	-2	-4.5	125	-0.1	40	10	15	1	1.14	.95	.88	

N-CHANNEL ENHANCEMENT-MODE MOSFETs

† Low Threshold

For quantities 2000 and up, call for q

	MOUSER STOCK NO.	Supertex Part No.	Package Type	Drain-to-Source Breakdown Voltage	Gate Threshold Voltage		Drain-to-Source ON-State Resistance	ON-State Drain Current	Input Capacitance	Turn-ON/ Turn-OFF Delay Time		Power Dissipation	Price Each			
				BV_{DSS}	$V_{GS(th)}$		$R_{DS(ON)}$	$I_{D(ON)}$	C_{ISS}	$t_{(ON)}$	$t_{(OFF)}$	@ TA=25°C				
				Min. (V)	Min. (V)	Max. (V)	Max. (Ω)	Min. (A)	(pF)	Max. (ns)	Max. (ns)	(W)	1	100	500	10
◆	† 689-TN2501N8	TN2501N8	SOT-89-3	18	0.3	1	2.5	0.25	70	5	15	1.6	.78	.65	.60	
	† 689-TN0702N3	TN0702N3	TO-92	20	0.5	1	1.3	0.5	130	20	30	1	.72	.60	.55	
	689-VN0300L-G	VN0300L-G	TO-92	30	0.8	2.5	1.2	1	190	30	30	1	.76	.63	.58	
	† 689-TN0604N3-G	TN0604N3-G	TO-92	40	0.6	1.6	0.75	4	140	10	25	1	.70	.58	.54	
◆	† 689-TN2504N8-G	TN2504N8-G	SOT-89-3	40	0.6	1.6	1	4	70	10	25	1.6	.74	.62	.57	
	† 689-TN0104N3-G	TN0104N3-G	TO-92	40	0.6	1.6	1.8	2	50	5	9	1	.63	.52	.48	
◆	† 689-TN0104N8-G	TN0104N8-G	SOT-89-3	40	0.6	1.6	2	2	50	5	9	1.6	.76	.63	.58	
	689-VN0104N3-G	VN0104N3-G	TO-92	40	0.8	2.4	3	2	35	5	9	1	.42	.35	.32	
	689-VN3205N3-G	VN3205N3-G	TO-92	50	0.8	2.4	0.3	3	220	10	25	1	.89	.74	.69	
	689-VN3205N6	VN3205N6	DIP-14	50	0.8	2.4	0.3	3	220	10	25	3	3.42	2.84	2.63	2
◆	689-VN3205N8-G	VN3205N8-G	SOT-89-3	50	0.8	2.4	0.3	3	220	10	25	1.6	.97	.81	.74	
	† 689-TN0606N3	TN0606N3	TO-92	60	0.6	2	1.5	3	100	6	16	1	.49	.41	.38	
◆	† 689-TN2106K1	TN2106K1	SOT-23-3	60	0.6	2	2.5	0.6	45	5	9	0.36	.32	.27	.25	
	† 689-TN2106N3	TN2106N3	TO-92	60	0.6	2	2.5	0.6	45	5	9	0.74	.32	.27	.25	
	† 689-TN0106N3	TN0106N3	TO-92	60	0.6	2	3	2	50	5	7	1	.49	.41	.38	
	689-VN0606L-G	VN0606L-G	TO-92	60	0.8	2	3	1.5	50	10	10	1	.80	.66	.61	
	689-VN0106N3-G	VN0106N3-G	TO-92	60	0.8	2.4	3	2	55	5	9	1	.44	.36	.34	
	689-VN2106N3	VN2106N3	TO-92	60	0.8	2.4	4	0.6	35	5	9	1	.23	.19	.18	
	689-VN10KN3-G	VN10KN3-G	TO-92	60	0.8	2.5	5	0.75	60	10	10	1	.32	.27	.25	
	689-VN2222LL-G	VN2222LL-G	TO-92	60	0.6	2.5	7.5	0.75	60	10	10	1	.29	.24	.22	
◆	689-2N7002	2N7002	SOT-23-3	60	1	2.5	7.5	0.5	50	20	20	0.36	.32	.27	.25	
	689-2N7008	2N7008	TO-92	60	1	2.5	7.5	0.5	50	20	20	1	.32	.27	.25	
	689-2N7000	2N7000	TO-92	60	0.8	3	5	0.75	60	10	10	1	.23	.19	.18	
	689-VN0808L-G	VN0808L-G	TO-92	80	0.8	2	4	1.5	50	10	10	1	.80	.66	.61	
	† 689-TN0610N3	TN0610N3	TO-92	100	0.6	2	1.5	3	100	6	16	1	.65	.54	.50	
◆	† 689-TN2510N8-G	TN2510N8-G	SOT-89-3	100	0.6	2	1.5	3	70	10	20	1.6	.72	.60	.55	
	† 689-TN0110N3	TN0110N3	TO-92	100	0.6	2	3	2	50	5	7	1	.59	.49	.45	
	689-VN2210N3-G	VN2210N3-G	TO-92	100	0.8	2.4	0.35	8	300	15	65	1	1.33	1.11	1.02	

SOT-23-3

SOT-89-3

TO-92

SO-8

♦ Surface Mount Device

HANNEL ENHANCEMENT-MODE MOSFETs (cont.)

† Low Threshold

For quantities 2000 and up, call for quote.

MOUSER TOCK NO.	Supertex Part No.	Package Type	Drain-to-Source Breakdown Voltage	Gate Threshold Voltage		Drain-to-Source ON-State Resistance	ON-State Drain Current	Input Capacitance	Turn-ON/ Turn-OFF Delay Time		Power Dissipation	Price Each			
			BV_{DSS}	$V_{GS(th)}$		$R_{DS(ON)}$	$I_{D(ON)}$	C_{ISS}	$t_{(ON)}$	$t_{(OFF)}$	@ TA=25°C				
			Min. (V)	Min. (V)	Max. (V)	Max. (Ω)	Min. (A)	(pF)	Max. (ns)	Max. (ns)	(W)	1	100	500	1000
VN2110K1	VN2110K1	SOT-23-3	100	0.8	2.4	4	0.6	35	5	9	0.36	.32	.27	.25	.24
VN1206L	VN1206L	TO-92	120	0.8	2	6	1	125	8	18	1	1.05	.87	.80	.77
TN0620N3	TN0620N3	TO-92	200	0.6	1.6	6	1	110	10	20	1	.84	.70	.64	.62
TD9944TG	TD9944TG	SO-8	240	0.6	2	6	1	65	10	20	- - -	1.60	1.33	1.23	1.18
TN2524N8-G	TN2524N8-G	SOT-89-3	240	0.6	2	6	1	65	10	20	1.6	.82	.68	.63	.60
VN2406L-G	VN2406L-G	TO-92	240	0.8	2	6	1	125	8	23	1	.99	.82	.76	.73
VN2410L	VN2410L	TO-92	240	0.8	2	10	1	125	8	23	1	.59	.49	.45	.43
TN2124K1	TN2124K1	SOT-23-3	240	0.8	2	15	0.14	38	7	10	0.36	.44	.36	.34	.32
VN2224N3-G	VN2224N3-G	TO-92	240	1	3	1.25	5	300	15	90	1	2.07	1.72	1.59	1.53
TN5325N3	TN5325N3	TO-92	250	0.6	2	7	1.2	70	20	25	0.74	.46	.38	.35	.34
TN2425N8	TN2425N8	SOT-89-3	250	0.8	2.4	3.5	0.8	105	15	35	1.6	.82	.68	.63	.60
TN2130K1	TN2130K1	SOT-23-3	300	0.8	2.4	25	0.25	35	10	12	0.36	.44	.36	.34	.32
VN3515L	VN3515L	TO-92	350	0.6	1.8	15	0.15	110	20	65	1	.93	.77	.72	.69
TN2535N8	TN2535N8	SOT-89-3	350	1	2	10	1	125	20	25	1.6	.82	.68	.63	.60
TN5335K1	TN5335K1	SOT-23-3	350	0.6	2	15	0.75	65	20	25	0.36	.51	.43	.39	.38
TN2435N8	TN2435N8	SOT-89-3	350	0.8	2.4	6	1	200	20	40	1.6	.86	.71	.66	.63
VN4012L-G	VN4012L-G	TO-92	400	0.6	1.8	12	0.15	110	20	65	1	1.06	.88	.82	.78
TN2640LG	TN2640LG	SO-8	400	0.8	2	5	2	180	15	25	1.3	1.24	1.03	.95	.91
TN2640N3	TN2640N3	TO-92	400	0.8	2	5	2	180	15	25	1	.99	.82	.76	.73
TN2540N3	TN2540N3	TO-92	400	0.6	2	12	1	95	20	25	1	.80	.66	.61	.59
TN2540N8	TN2540N8	SOT-89-3	400	0.6	2	12	1	95	20	25	1.6	.86	.71	.66	.63
VN2450N3-G	VN2450N3-G	TO-92	500	1.5	4	13	0.5	150	10	25	1	.97	.81	.74	.71
VN2450N8	VN2450N8	SOT-89-3	500	1.5	4	13	0.5	150	10	25	1.6	.99	.82	.76	.73
VN0550N3	VN0550N3	TO-92	500	2	4	60	0.15	45	10	10	1	.95	.79	.73	.70
VN2460N3	VN2460N3	TO-92	600	1.5	4	20	0.25	150	10	25	1	.78	.65	.60	.57
VN2460N8	VN2460N8	SOT-89-3	600	1.5	4	20	0.25	150	10	25	1.6	.78	.65	.60	.57

PLETION MODE N-CHANNEL MOSFETs

nced Vertical DMOS Technology
annel Depletion Mode Vertical DMOS FETs

depletion-mode (normally-on) transistors utilize an advanced vertical DMOS structure and Supertex's well-proven silicon-gate acturing process. This combination produces devices with the power handling capabilities of bipolar transistors and with the high npedance and positive temperature coefficient inherent in MOS devices. Characteristic of all MOS structure, these devices are m thermal runaway and thermally-induced secondary breakdown.

ex's vertical DMOS FETs are ideally suited to a wide range of switching and amplifying applications where high breakdown , high input impedance, low input capacitance, and fast switching speeds are desired.

Features:
- High input impedance
- Low input capacitance
- Fast switching speeds
- Low on resistance
- Free from secondary breakdown
- Low input and output leakage

Applications:
- Normally-on switches
- Solid state relays
- Converters
- Constant current sources
- Power supply circuits
- Telecom

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package Type	Drain-to-Source Breakdown Voltage	Drain-to-Source ON-State Resistance	Drain-to-Source Current	Gate-to-Source OFF Voltage		Reverse Recovery Time	Power Dissipation	Price Each			
			BV_{DSX}	$R_{DS(ON)}$	I_{DSS}	$V_{GS(OFF)}$		T_{rr}	@TA=25°C				
			Min. (V)	Max. (Ω)	Min. (mA)	Min. (V)	Max. (V)	TYP (ns)	(W)	1	100	500	1000
DN3525N8	DN3525N8	SOT-89-3	250	6	300	-1.5	-3.5	800	1.6	.76	.63	.58	.56
DN3535N8	DN3535N8	SOT-89-3	350	10	200	-1.5	-3.5	800	1.6	.76	.63	.58	.56
DN3145N8	DN3145N8	SOT-89-3	450	60	120	-1.5	-3.5	800	1.3	.78	.65	.60	.57
DN3545N3	DN3545N3	TO-92	450	20	200	-1.5	-3.5	800	.74	.78	.65	.60	.57
DN3545N8	DN3545N8	SOT-89-3	450	20	200	-1.5	-3.5	800	1.6	.86	.71	.66	.63

nced Lateral DMOS Technology
annel Depletion Mode MOSFETs

ND1 and LND2 are high voltage N-channel depletion-mode (normally-on) transistors utilizing Supertex's lateral DMOS logy. The gate is ESD protected.

ND1 and LND2 are ideal for high voltage applications in the areas of normally-on switches, precision constant current sources, ramp generation and amplification.

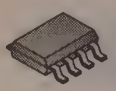
Features:
- High input impedance and low CISS
- Low power drive requirement
- ESD gate protection
- Ease of paralleling
- Free from secondary breakdown
- Excellent thermal stability
- Integral source-drain diode

Applications:
- Normally-on switches
- Solid state relays
- Converters
- Constant current sources
- Power supply circuits
- Input protection circuits

For quantities 2000 and up, call for quote.

LND150N3-G	LND150N3-G	TO-92	500	1000	1	-1	-3	200	.74	.55	.46	.42	.41
LND150N8-G	LND150N8-G	SOT-89-3	500	1000	1	-1	-3	200	1.6	.72	.60	.55	.53
LND250K1-G	LND250K1-G	SOT-23-3	500	1000	1	-1	-3	200	.36	.46	.38	.35	.34

SILICONIX MOSFET Transistors

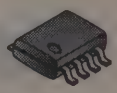

SO-8

SOT-23

TO-220AB

TO-263

TSOP-6


TSSOP-8

P-CHANNEL MOSFET (SINGLE CONFIGURATION)

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
Surface Mount													
781-SI6433DQ	SI6433DQ-T1	TSSOP-8	- 12	- 4.0	+/- 20	-----	0.060	0.090	-----	1.5	1.30	1.18	1.0
781-SI2301DS	SI2301DS-T1	SOT-23	- 20	- 2.3	- 10	-----	0.130	0.190	-----	1.25	.56	.51	.4
781-SI9400DY	SI9400DY	SO-8	- 20	- 2.5	+/- 10	0.250	0.400	-----	-----	2.5	.79	.72	.6
781-SI6447DQ	SI6447DQ-T1	TSSOP-8	- 20	+/- 3.2	+/- 20	0.090	0.160	-----	-----	1.5	1.28	1.16	.9
781-SI3441DV	SI3441DV-T1	TSOP-6	- 20	- 3.3	+/- 20	-----	0.100	0.135	-----	2.0	.65	.59	.5
781-SI9433DY	SI9433DY	SO-8	- 20	- 5.4	+/- 20	-----	0.045	-----	-----	2.5	1.25	1.14	.9
781-SI9430DY	SI9430DY	SO-8	- 20	- 5.8	+/- 20	0.050	0.090	-----	-----	2.5	1.21	1.10	.9
781-SI9424DY	SI9424DY	SO-8	- 20	- 7.7	+/- 30	-----	0.025	0.033	-----	2.5	1.84	1.67	1.4
781-SI4463DY	SI4463DY	SO-8	- 20	- 10.0	+/- 50	-----	0.014	0.020	-----	2.5	2.00	1.82	1.5
781-SI9803DY	SI9803DY	SO-8	- 25	- 5.9	+/- 40	-----	0.040	-----	-----	2.5	3.99	3.63	3.0
781-SI2303DS	SI2303DS-T1	SOT-23	- 30	- 1.7	- 10	0.240	0.460	-----	-----	1.25	.65	.59	.5
781-SI9435DY	SI9435DY	SO-8	- 30	- 5.1	+/- 20	0.055	0.105	-----	-----	2.5	1.16	1.05	.8
781-SI4435DY	SI4435DY-REVA	SO-8	- 30	- 8.0	+/- 50	0.020	0.035	-----	-----	2.5	1.51	1.37	1.1
781-SI4835DY	SI4835DY	SO-8	- 30	- 8.0	+/- 50	0.019	0.033	-----	-----	2.5	1.40	1.27	1.0
781-SUB65P04-15	SUB65P04-15	TO-263	- 40	- 65	- 240	0.015	0.023	-----	-----	120	3.01	2.74	2.3
781-SI2309DS	SI2309DS-T1	SOT-23	- 60	- 1.25	- 8	0.340	0.550	-----	-----	1.25	.67	.61	.5
Thru Hole													
781-SUP65P04-15	SUP65P04-15	TO-220AB	- 40	- 65	- 240	0.015	0.023	-----	-----	120	3.09	2.81	2.3
781-SUP65P06-20	SUP65P06-20	TO-220AB	- 60	- 65	- 200	0.020	-----	-----	-----	187	5.85	5.32	4.5

P-CHANNEL MOSFETS (DUAL CONFIGURATION)

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (Max)(V)	Cont. Load Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	50
Surface Mount													
781-SI6943DQ	SI6943DQ-T1	TSSOP-8	- 12	+/- 2.5	+/- 20/+/- 20	-----	0.100	0.180	-----	1.0	1.44	1.31	1.1
781-SI9934DY	SI9934DY	SO-8	- 12	+/- 5.0	+/- 20/+/- 20	-----	0.050	0.074	-----	2.0	1.69	1.54	1.3
781-SI6953DQ	SI6953DQ-T1	TSSOP-8	- 20	+/- 1.9	+/- 15/+/- 15	0.170	0.320	-----	-----	1.0	1.63	1.48	1.2
781-SI9953DY	SI9953DY	SO-8	- 20	+/- 2.3	+/- 10/+/- 10	0.250	0.400	-----	-----	2.0	1.19	1.08	.9
781-SI9933ADY	SI9933ADY	SO-8	- 20	+/- 3.4	+/- 16/+/- 16	-----	0.075	-----	-----	2.0	1.65	1.50	1.2
781-SI6955ADQ	SI6955ADQ-T1	TSSOP-8	- 30	+/- 2.9	+/- 20/+/- 20	0.080	0.135	-----	-----	1.14	1.30	1.18	1.0

P-CHANNEL LITTLEFOOT PLUS™ MOSFETS (SINGLE CONFIGURATION)

High performance MOSFET with a compatible Schottky rectifier for commonly for applications were space savings and efficiency are a requirement.

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	5
Surface Mount													
781-SI6821DQ	SI6821DQ-T1	TSSOP-8	- 20	- 1.7	+/- 8.0	-----	0.190	-----	-----	1.2	1.95	1.77	1.5
781-SI3853DV	SI3853DV-T1	TSOP-6	- 20	+/- 1.8	+/- 7	0.200	0.340	-----	-----	1.15	.81	.74	.6
781-SI6923DQ	SI6923DQ-T1	TSSOP-8	- 20	- 3.5	+/- 30	-----	0.050	0.085	-----	1.2	2.07	1.88	1.6
781-SI3851DV	SI3851DV-T1	TSOP-6	- 30	+/- 1.8	+/- 7	0.200	0.360	-----	-----	1.15	.81	.74	.6
781-SI4833DY	SI4833DY	SO-8	- 30	- 3.5	+/- 20	0.085	0.180	-----	-----	2.0	1.36	1.24	1.0
781-SI4831DY	SI4831DY	SO-8	- 30	+/- 5.0	+/- 20	0.045	0.090	-----	-----	2.0	1.00	.91	.8

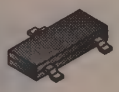
P-CHANNEL TRENCHFET MOSFETS (SINGLE CONFIGURATION)

These TrenchFET power MOSFETs provide efficient power control with extremely low on-resistance.

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	5
Surface Mount													
781-SI2305DS	SI2305DS-T1	SOT-23	- 8	- 3.5	+/- 12	-----	0.052	0.071	0.108	1.25	.63	.57	
781-SI3445DV	SI3445DV-T1	TSOP-6	- 8	- 5.6	+/- 20	-----	0.042	0.060	0.080	2.0	.95	.86	
781-SI6469DQ	SI6469DQ-T1	TSSOP-8	- 8	+/- 6.0	+/- 30	-----	0.028	0.040	0.065	1.5	1.40	1.27	1
781-SI6465DQ	SI6465DQ-T1	TSSOP-8	- 8	- 8.8	+/- 30	-----	0.012	0.017	0.025	1.5	2.05	1.86	1
781-SI4465DY	SI4465DY	SO-8	- 8	- 14.0	+/- 40	-----	0.009	0.011	0.016	2.5	2.72	2.47	2
781-SUB15P01-52	SUB15P01-52	TO-263	- 8	+/- 15	- 25	-----	0.052	0.070	0.105	25	1.28	1.16	
781-SI2315DS	SI2315DS-T1	SOT-23	- 12	- 3.5	+/- 12	-----	0.055	0.075	0.118	1.25	.61	.55	
781-SI3447DV	SI3447DV-T1	TSOP-6	- 12	- 5.2	+/- 20	-----	0.050	0.070	0.095	2.0	.90	.82	
781-SI3435DV	SI3435DV-T1	TSOP-6	- 12	- 6.3	- 20	-----	0.036	0.050	0.073	2.0	.79	.72	
781-SI6467DQ	SI6467DQ-T1	TSSOP-8	- 12	- 8.0	+/- 30	-----	0.014	0.019	0.027	1.5	1.28	1.16	
781-SI6475DQ	SI6475DQ-T1	TSSOP-8	- 12	- 10	- 30	-----	0.0110	0.0135	0.0170	1.75	2.07	1.88	1
781-SI4467DY	SI4467DY	SO-8	- 12	- 12.0	+/- 40	-----	0.011	0.014	0.020	2.5	2.00	1.82	1
781-SI3443DV	SI3443DV-T1	TSOP-6	- 20	- 4.4	+/- 20	-----	0.065	0.100	-----	2.0	.72	.65	
781-SI3433DV	SI3433DV-T1	TSOP-6	- 20	- 5.6	- 20	-----	0.042	0.057	0.080	2.0	.79	.72	
781-SI6463ADQ	SI6463ADQ-T1	TSSOP-8	- 20	- 7.4	+/- 30	-----	0.017	0.023	0.032	1.5	1.63	1.48	
781-SI6473DQ	SI6473DQ-T1	TSSOP-8	- 20	-9.5	- 30	-----	0.0125	0.016	0.0215	1.75	1.86	1.69	
781-SUD45P03-10	SUD45P03-10	TO-252	- 20	- 15	+/- 100	0.010	-----	-----	-----	70	2.51	2.28	

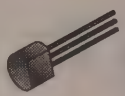
SO-8


SOT-23

SOT-300

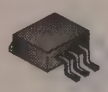
SOT-363

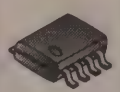
TO-39


TO-92S

TO-220AB

TO-252


TO-263


TSSOP-8

P-CHANNEL TRENCHFET MOSFETs (SINGLE CONFIGURATION) (CONT.)

e TrenchFET power MOSFETs provide efficient power control with extremely low on-resistance.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
rface Mount													
1-SI2307DS	SI2307DS-T1	SOT-23	- 30	- 3	- 12	0.080	0.140	-----	-----	1.25	.72	.65	.55
1-SI3455ADV	SI3455ADV-T1	TSOP-6	- 30	- 3.5	+/- 20	0.100	0.170	-----	-----	1.14	.77	.70	.60
1-SI3457DV	SI3457DV-T1	TSOP-6	- 30	- 4.3	+/- 20	0.065	0.100	-----	-----	2.0	.90	.82	.70
1-SI6435ADQ	SI6435ADQ-T1	TSSOP-8	- 30	- 5.5	+/- 30	0.030	0.055	-----	-----	1.5	1.55	1.41	1.20
1-SI6415DQ	SI6415DQ-T1	TSSOP-8	- 30	- 6.5	+/- 30	0.019	0.030	-----	-----	1.5	1.90	1.73	1.47
1-SI4431ADY	SI4431ADY	SO-8	- 30	- 7.0	+/- 30	0.030	0.055	-----	-----	1.35	1.28	1.16	.99
1-SI4927DY	SI4927DY	SO-8	- 30	+/- 7.4	+/- 40	0.028	0.045	-----	-----	2.5	2.07	1.88	1.60
1-SI4425DY	SI4425DY	SO-8	- 30	- 11.0	+/- 50	0.014	0.023	-----	-----	2.5	2.53	2.30	1.96
1-SI4825DY	SI4825DY	SO-8	- 30	- 11.5	- 50	0.014	0.022	-----	-----	3.0	1.95	1.77	1.50
1-SI4427DY	SI4427DY	SO-8	- 30	- 13.3	- 50	0.0105	0.0125	0.0195	-----	3.0	1.55	1.41	1.20
1-SUD45P03-15A	SUD45P03-15A	TO-252	- 30	- 15	- 100	0.015	0.024	-----	-----	70	1.88	1.71	1.45
1-SUB75P03-07	SUB75P03-07	TO-263	- 30	- 75	-240	0.007	0.010	-----	-----	187	5.60	5.09	4.33
1-SI4401DY	SI4401DY	SO-8	- 40	- 10.5	- 50	0.0155	0.0225	-----	-----	3.0	1.72	1.56	1.33
1-SUB50P05-13LT	SUB50P05-13LT	TO-263	- 55	- 50	- 200	0.0135	0.019	-----	-----	200	5.08	4.62	4.25
1-SUB75P05-08	SUB75P05-08	TO-263	- 55	- 75	- 240	0.008	0.013	-----	-----	250	7.22	6.56	5.58
1-SI3459DV	SI3459DV-T1	TSOP-6	- 60	+/- 2.2	+/- 10	0.220	0.310	-----	-----	2.0	.98	.89	.76
1-SI6459DQ	SI6459DQ-T1	TSSOP-8	- 60	- 2.6	+/- 30	0.120	0.150	-----	-----	1.5	1.51	1.37	1.16
1-SI9407AEY	SI9407AEY	SO-8	- 60	- 3.5	+/- 30	0.120	0.150	-----	-----	3.0	1.36	1.24	1.05
ru Hole													
1-SUP15P01-52	SUP15P01-52	TO-220AB	- 8	+/- 15	- 25	-----	0.052	0.070	0.105	25	1.40	1.27	1.08
1-SUP75P03-07	SUP75P03-07	TO-220AB	- 30	- 75	- 240	0.007	0.010	-----	-----	187	5.75	5.23	4.45
1-SUP75P05-08	SUP75P05-08	TO-220AB	- 55	- 75	- 240	0.008	0.013	-----	-----	250	7.40	6.73	5.72
1-SUP65P06-20	SUP65P06-20	TO-220AB	- 60	- 65	- 200	0.020	-----	-----	-----	187	5.85	5.32	4.52

P-CHANNEL TRENCHFET MOSFETs (DUAL CONFIGURATION)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (Max)(V)	Cont. Load Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
rface Mount													
1-SI6967DQ	SI6967DQ-T1	TSSOP-8	- 8	+/- 5.0	+/- 30	-----	0.030	0.045	0.070	1.1	1.82	1.65	1.40
1-SI4965DY	SI4965DY	SO-8	- 8	+/- 8.0	+/- 30	-----	0.021	0.027	0.040	2.0	2.26	2.05	1.74
1-SI6969DQ	SI6969DQ-T1	TSSOP-8	- 12	+/- 4.6	+/- 30	-----	0.034	0.050	0.075	1.1	1.82	1.65	1.40
1-SI6975DQ	SI6975DQ-T1	TSSOP-8	- 12	-5.1	- 30	-----	0.027	0.035	0.046	1.14	1.82	1.65	1.40
1-SI4967DY	SI4967DY	SO-8	- 12	+ 7.5	+/- 30	-----	0.023	0.030	0.045	2.0	2.51	2.28	1.94
1-SI6963DQ	SI6963DQ-T1	TSSOP-8	- 20	+/- 3.5	+/- 30	-----	0.050	0.085	-----	1.0	1.76	1.60	1.36
1-SI6973DQ	SI6973DQ-T1	TSSOP-8	- 20	- 4.8	- 30	-----	0.030	0.039	0.055	1.14	1.82	1.65	1.40
1-SI6965DQ	SI6965DQ-T1	TSSOP-8	- 20	+/- 5.0	+/- 30	-----	0.035	0.060	-----	1.5	1.97	1.79	1.52
1-SI4963DY	SI4963DY	SO-8	- 20	+/- 6.2	+/- 40	0.033	0.050	-----	-----	2.0	2.05	1.86	1.58
1-SI6875DQ	SI6875DQ-T1	TSSOP-8	- 20	- 6.4	- 30	-----	0.027	0.036	-----	1.78	1.93	1.75	1.49
1-SI4947ADY	SI4947ADY	SO-8	- 30	+/- 3.9	+/- 20	0.080	0.135	-----	-----	2.0	1.07	.97	.82
1-SI4953ADY	SI4953ADY	SO-8	- 30	+/- 4.9	+/- 30	0.053	0.090	-----	-----	2.0	1.38	1.25	1.06
1-SI4807DY	SI4807DY	SO-8	- 30	+/- 6.0/+/- 0.9	+/- 30/+/- 1.5	0.035/1.3	0.054/2.2	-----	-----	2.3	1.86	1.69	1.44
1-SI4925DY	SI4925DY	SO-8	- 30	+/- 6.1	+/- 40	0.032	0.045	-----	-----	2.0	1.93	1.75	1.49
1-SI6933DQ	SI6933DQ-T1	TSSOP-8	- 30	+/- 3.5	+/- 20	0.045	0.085	-----	-----	1.0	1.76	1.60	1.36
1-SI9948AEY	SI9948AEY	SO-8	- 60	+/- 2.6	+/- 15	0.170	0.260	-----	-----	2.4	1.23	1.12	.95
1-SI4948EY	SI4948EY	SO-8	- 60	+/- 3.1	+/- 30	0.120	0.150	-----	-----	2.4	1.97	1.79	1.52

P-CHANNEL ENHANCEMENT MODE MOSFETs (SINGLE CONFIGURATION)

For quantities of 1000 and up, call for quote.

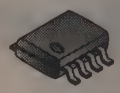
MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (Max)(V)	Cont. Load Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 20	(Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
rface Mount													
1-TP0205A	TP0205A-T1	SOT-300	-----/- 20	- 0.18	- 0.5	-----	-----	3.800	5.000	0.15	.67	.61	.52
1-TP0205AD	TP0205AD-T1	SOT-363	-----/- 20	- 0.18	- 0.5	-----	-----	3.800	5.000	0.20	.69	.63	.54
1-TP0202T	TP0202T	SOT-23	-----/- 20	- 0.41	- 0.75	-----	1.400	3.500	-----	0.35	.86	.78	.66
1-TP0101T	TP0101T	SOT-23	-----/ 20	- 0.6	- 3	-----	-----	0.650	0.850	0.35	.92	.84	.71
1-TP0101TS	TP0101TS	SOT-23	-----/- 20	- 1.0	- 3	-----	-----	0.650	0.850	1.0	.98	.89	.76
1-SI9434DY	SI9434DY	SO-8	-----/- 20	- 6.4	+/- 10	-----	-----	0.040	0.060	2.5	1.76	1.60	1.36
1-TP0610T	TP0610T	SOT-23	-----/- 60	- 0.12	- 0.14	-----	10	25	-----	0.12	.61	.55	.47
1-VP0610T	VP0610T	SOT-23	-----/- 60	- 0.12	- 0.40	-----	10	-----	-----	0.36	.48	.44	.37
ru Hole													
1-VP0300B	VP0300B	TO-39	-----/- 30	- 0.32	- 2.4	-----	2.5 (12V)	-----	-----	0.80	3.72	3.38	2.87
1-VP0300L	VP0300L	TO-92	-----/- 30	- 0.32	- 2.4	-----	2.5 (12V)	-----	-----	0.80	1.25	1.14	.97
1-VP0300LS	VP0300LS	TO-92S	-----/- 30	- 0.50	- 3.0	-----	2.5 (12V)	-----	-----	0.90	1.25	1.14	.97
1-TP0610L	TP0610L	TO-92	-----/- 60	- 0.18	- 0.8	-----	10	25	-----	0.80	.54	.49	.42
1-VP0610L	VP0610L	TO-92	-----/- 60	- 0.18	- 0.8	-----	10	-----	-----	0.80	.44	.40	.34
1-BS250	BS250	TO-92-18	-----/- 60	- 0.18	-----	-----	14	-----	-----	0.83	.63	.57	.48
1-3N163	3N163	TO-72	- 70/-----	-0.30	-----	250	-----	-----	-----	375	1.84	1.67	1.42
1-VP0808B	VP0808B	TO-39	-----/- 80	- 0.28	- 3.0	-----	5	-----	-----	0.80	5.71	5.19	4.41
1-VP0808L	VP0808L	TO-92	-----/- 80	- 0.28	- 3.0	-----	5	-----	-----	0.80	1.74	1.58	1.34
1-VP1008L	VP1008L	TO-92	-----/- 100	-0.28	- 3.0	-----	5	-----	-----	0.80	2.07	1.88	1.60
1-VP2020L	VP2020L	TO-92	-----/- 200	- 0.12	- 0.48	-----	-----	20	-----	0.32	.67	.61	.52

SILICONIX MOSFET Transistors

SO-8

TO-252

TSOP-6


TSSOP-8

P-CHANNEL LOGIC LEVEL MOSFETs (SINGLE CONFIGURATION)

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Volt. (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
Surface Mount													
781-SUD10P06-280L	SUD10P06-280L	TO-252	- 60	- 10.0	- 20	0.170	0.280	- - - - -	- - - - -	37	.86	.78	.6

BI-DIRECTIONAL P-CHANNEL MOSFETs

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Volt. (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
Surface Mount													
781-SI3831DV	SI3831DV-T1	TSOP-6	+/- 7	+/- 2.4	+/- 8	- - - - -	0.170	0.240	- - - - -	1.5	.86	.78	.6

N & P-CHANNEL MOSFETs (DUAL CONFIGURATION)

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (N-Ch/P-Ch) (Max)(V)	Cont. Drain Current (N-Ch/P-Ch) (Max)(A)	Pulsed Drain Current (N-Ch/P-Ch) (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10 (N-Ch/P-Ch)	(Max)(Ω) 4.5 (N-Ch/P-Ch)	(Max)(Ω) 2.5 (N-Ch/P-Ch)	(Max)(Ω) 1.8 (N-Ch/P-Ch)	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
Surface Mount													
781-SI6552DQ	SI6552DQ-T1	TSSOP-8	+ 20/- 12	+/- 2.8/+/- 2.5	+/- 20/+/- 20	----/----	0.08/0.1	0.11/0.18	----/----	1.0	1.63	1.48	1.2
781-SI3850DV	SI3850DV-T1	TSOP-6	+ 20/- 20	+/- 1.2/+/- 0.85	+/-3.5/+/-2.5	----/----	0.5/1.0	----/----	----/----	1.25	.58	.53	.4
781-SI6801DQ	SI6801DQ-T1	TSSOP-8	+ 20/- 20	+/- 1.9/+/- 1.7	+/- 8/+/- 8	----/----	0.16/0.19	0.26/0.28	----/----	1.0	1.51	1.37	1.1
781-SI6542DQ	SI6542DQ-T1	TSSOP-8	+ 20/- 20	+/- 2.5/+/- 1.9	+/- 20/+/- 15	0.09/0.17	0.175/0.32	----/----	----/----	1.0	1.65	1.50	1.2
781-SI6803DQ	SI6803DQ-T1	TSSOP-8	+ 20/- 20	+/- 2.5/+/- 2.3	+/- 10/+/- 10	----/----	0.095/0.11	0.145/0.165	----/----	1.0	1.82	1.65	1.4
781-SI9942DY	SI9942DY	SO-8	+ 20/- 20	+/- 3.0/+/- 2.5	+/- 10/+/- 10	0.125/0.20	0.25/0.35	----/----	----/----	2.0	1.23	1.12	.9
781-SI9958DY	SI9958DY	SO-8	+ 20/- 20	+/- 3.5/+/- 3.5	+/- 14/+/- 14	0.10/0.10	0.15/0.19	----/----	----/----	2.0	1.28	1.16	.9
781-SI9928DY	SI9928DY	SO-8	+ 20/- 20	+/- 5.0/+/- 3.4	+/- 10/+/- 10	----/----	0.05/0.11	----/----	----/----	2.0	1.65	1.50	1.2
781-SI4500DY	SI4500DY	SO-8	+ 20/- 20	+/- 7.0/+/- 4.5	+/- 30/+/- 20	----/----	0.03/0.065	0.04/0.10	----/----	2.5	1.58	1.44	1.2
781-SI4501DY	SI4501DY	SO-8	+ 30/- 8	+/- 9.0/+/- 6.2	+/- 30/+/- 20	0.018/----	0.027/0.042	----/0.06	----/----	2.5	1.67	1.52	1.2
781-SI9939DY	SI9939DY	SO-8	+ 30/- 30	+/- 3.5/+/- 3.5	+/- 20/+/- 20	0.05/0.10	0.08/0.16	----/----	----/----	2.0	1.65	1.50	1.2
781-SI6543DQ	SI6543DQ-T1	TSSOP-8	+ 30/- 30	+/- 3.9/+/- 2.5	+/- 20/+/- 20	0.065/0.085	0.095/0.19	----/----	----/----	1.0	1.57	1.43	1.2
781-SI6544DQ	SI6544DQ-T1	TSSOP-8	+ 30/- 30	+/- 4.0/+/- 3.5	+/- 20/+/- 20	0.035/0.045	0.05/0.09	----/----	----/----	1.0	1.72	1.56	1.3
781-SI4558DY	SI4558DY	SO-8	+ 30/- 30	+/- 6.0/+/- 6.0	+/- 30/+/- 30	0.04/0.04	0.06/0.07	----/----	----/----	2.4	2.20	2.00	1.7

N & P CHANNEL MOSFETs (QUAD CONFIGURATION)

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (N-Ch/P-Ch) (Max)(V)	Cont. Drain Current (N-Ch/P-Ch) (Max)(A)	Pulsed Drain Current (N-Ch/P-Ch) (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 12 (N-Ch/P-Ch)	(Max)(Ω) 4.5 (N-Ch/P-Ch)	(Max)(Ω) 2.5 (N-Ch/P-Ch)	(Max)(Ω) 1.8 (N-Ch/P-Ch)	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	50
Thru-Hole													
781-VQ3001J	VQ3001J	DIP-14	+ 30/- 30	+ 0.85/- 0.6	+ 3.0/- 2.0	1.0/2.0	----/----	----/----	----/----	1.3	10.18	9.25	7.5

N & P-CHANNEL TRENCHFET MOSFETs (DUAL CONFIGURATION)

These TrenchFET power MOSFETs provide efficient power control with extremely low on-resistance.

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (N-Ch/P-Ch) (Max)(V)	Cont. Drain Current (N-Ch/P-Ch) (Max)(A)	Pulsed Drain Current (N-Ch/P-Ch) (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10 (N-Ch/P-Ch)	(Max)(Ω) 4.5 (N-Ch/P-Ch)	(Max)(Ω) 2.5 (N-Ch/P-Ch)	(Max)(Ω) 1.8 (N-Ch/P-Ch)	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	50
Surface Mount													
781-SI6562DQ	SI6562DQ-T1	TSSOP-8	+ 20/- 20	+/- 4.5/+/- 3.5	+/- 30/+/- 30	----/----	0.03/0.05	0.04/0.085	----/----	1.0	1.72	1.56	1.2
781-SI4562DY	SI4562DY	SO-8	+ 20/- 20	+/- 7.1/+/- 6.2	+/- 40/+/- 40	----/----	0.025/0.033	0.035/0.05	----/----	2.0	2.28	2.07	1.8
781-SI3872DV	SI3872DV-T1	TSOP-6	+ 30/- 20	+/- 2.5/+/- 1.8	+/- 8/+/- 7	0.105/----	0.175/0.20	----/0.34	----/----	1.15	.54	.49	.4
781-SI4532ADY	SI4532ADY	SO-8	+ 30/- 30	+ 4.9/- 3.9	20/20	0.053/0.08	0.075/0.135	----/----	----/----	2.0	1.28	1.16	.9
781-SI4539ADY	SI4539ADY	SO-8	+ 30/- 30	+ 5.9/- 4.9	30/30	0.036/0.053	0.053/0.09	----/----	----/----	2.0	1.65	1.50	1.2
781-SI4544DY	SI4544DY	SO-8	+ 30/- 30	+/- 6.5/+/- 5.7	+/- 20/+/- 20	0.035/0.045	0.05/0.09	----/----	----/----	2.4	1.76	1.60	1.2
781-SI4542DY	SI4542DY	SO-8	+ 30/- 30	+/- 6.9/+/- 6.1	+/- 40/+/- 40	0.025/0.032	0.035/0.045	----/----	----/----	2.0	2.28	2.07	1.8
781-SI4559EY	SI4559EY	SO-8	+ 60/- 60	+/- 4.5/+/- 3.1	+/- 30/+/- 30	0.055/0.12	0.075/0.15	----/----	----/----	2.4	1.86	1.69	1.4

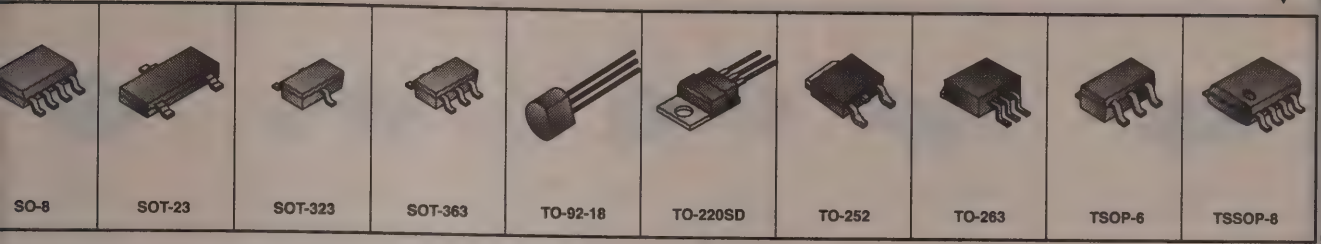
N & P-CHANNEL LOAD SWITCH WITH LEVEL SHIFT (DUAL CONFIGURATION)

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	50
Surface Mount													
781-SI3865DV	SI3865DV-T1	TSOP-6	1.8 to 8	+/- 2.7	+/- 6	- - - - -	0.080	0.110	0.175	0.83	.88	.80	.7
781-SI3863DV	SI3863DV-T1	TSOP-6	2.5 to 12	+/- 2.5	+/- 5	- - - - -	0.105	0.165	- - - - -	0.83	.84	.76	.6
781-SI3861DV	SI3861DV-T1	TSOP-6	4.5 to 20	+/- 2.3	+/- 4	0.105	0.175	- - - - -	- - - - -	0.83	.79	.72	.6

SILICONIX MOSFET Transistors

VISHAY



SO-8 | SOT-23 | SOT-323 | SOT-363 | TO-92-18 | TO-220SD | TO-252 | TO-263 | TSOP-6 | TSSOP-8

N-CHANNEL MOSFET (SINGLE CONFIGURATION)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
ace Mount													
TN0200T	TN0200T	SOT-23	20	0.73	4	-----	0.400	0.500	-----	0.35	.86	.78	.66
TN0200TS	TN0200TS	SOT-23	20	1.20	4	-----	0.400	0.500	-----	1.0	.96	.87	.74
SI2302DS	SI2302DS-T1	SOT-23	20	2.8	10	-----	0.085	0.115	-----	1.25	.61	.55	.47
SI6802DQ	SI6802DQ-T1	TSSOP-8	20	+/- 3.3	+/- 20	-----	0.075	-----	-----	1.5	1.65	1.50	1.28
SI3442DV	SI3442DV-T1	TSOP-6	20	4.0	+/- 20	-----	0.070	0.095	-----	2.0	.69	.63	.54
SI2312DS	SI2312DS-T1	SOT-23	20	4.9	15	-----	0.033	0.040	0.051	1.25	.63	.57	.48
SI6426DQ	SI6426DQ-T1	TSSOP-8	20	5.4	+/- 30	-----	0.035	0.040	-----	1.5	1.72	1.56	1.33
SI9428DY	SI9428DY	SO-8	20	6.0	+/- 20	-----	0.030	0.040	-----	2.5	1.16	1.05	.89
SI6968ADQ	SI6968ADQ-T1	TSSOP-8	20	+/- 6.2	+/- 30	-----	0.022	0.030	-----	1.5	1.95	1.77	1.50
SI9804DY	SI9804DY	SO-8	25	7.5	+/- 40	-----	0.023	-----	-----	2.5	3.85	3.50	2.98
SI2304DS	SI2304DS-T1	SOT-23	30	2.5	10	0.117	0.190	-----	-----	1.25	.61	.55	.47
SI6436DQ	SI6436DQ-T1	TSSOP-8	30	+/- 4.4	+/- 30	0.045	0.070	-----	-----	1.5	1.42	1.29	1.10
SI6434DQ	SI6434DQ-T1	TSSOP-8	30	5.6	+/- 30	0.028	0.042	-----	-----	1.5	1.57	1.43	1.22
SI9436DY	SI9436DY	SO-8	30	6.8	40	0.040	0.060	-----	-----	3.0	1.00	.91	.77
SI4412DY	SI4412DY	SO-8	30	+/- 7.0	+/- 30	0.028	0.042	-----	-----	2.5	1.57	1.43	1.22
SI9410DY	SI9410DY	SO-8	30	7.0	+/- 30	0.030	0.050	-----	-----	2.5	1.42	1.29	1.10
SI4410DY	SI4410DY-REVA	SO-8	30	10.0	+/- 50	0.0135	0.020	-----	-----	2.5	1.55	1.41	1.20
SI4822DY	SI4822DY	SO-8	30	12.0	+/- 80	0.0100	0.015	-----	-----	2.5	1.65	1.50	1.28
SUD30N04-10	SUD30N04-10	TO-252	40	30	120	0.010	0.014	-----	-----	97	2.49	2.26	1.92
SUB70N04-10	SUB70N04-10	TO-263	40	70	140	0.010	0.014	-----	-----	107	2.93	2.66	2.26
SUB75N05-06	SUB75N05-06	TO-263	50	75	240	0.006	-----	-----	-----	187	5.81	5.28	4.49
2N7002	2N7002	SOT-23	60	0.115	0.8	7.500	7.500	-----	-----	0.20	.25	.23	.20
2N7002E	2N7002E	SOT-23	60	0.24	1.3	3.000	4.000	-----	-----	0.35	.25	.23	.20
SI2308DS	SI2308DS-T1	SOT-23	60	2.0	10	0.160	0.220	-----	-----	1.25	.65	.59	.50
SI4450DY	SI4450DY	SO-8	60	7.5	+/- 50	0.0240	-----	-----	-----	2.5	1.97	1.79	1.52
SUB70N06-14	SUB70N06-14	TO-263	60	70	160	0.014	-----	-----	-----	142	3.55	3.23	2.75
SI2328DS	SI2328DS-T1	SOT-23	100	1.5	6	0.250	-----	-----	-----	0.73	.72	.65	.55
SI3430DV	SI3430DV-T1	TSOP-6	100	2.4	8	0.170	-----	-----	-----	2.0	1.07	.97	.82
SI4484EY	SI4484EY	SO-8	100	6.9	30	0.0340	-----	-----	-----	3.8	2.28	2.07	1.76
SI4486EY	SI4486EY	SO-8	100	7.9	40	0.0250	-----	-----	-----	3.8	2.76	2.51	2.13
SI3422DV	SI3422DV-T1	TSOP-6	200	0.42	+/- 0.75	5.000	-----	-----	-----	2.1	.79	.72	.61
SI2320DS	SI2320DS-T1	SOT-23	200	0.5	+/- 1	3.700	-----	-----	-----	2.1	.72	.65	.55
SI3420DV	SI3420DV-T1	TSOP-6	200	0.5	+/- 1	3.700	-----	-----	-----	2.1	.88	.80	.68
SI9422DY	SI9422DY	SO-8	200	1.7	+/- 12	0.420	-----	-----	-----	2.5	2.34	2.13	1.81
TN2460T	TN2460T	SOT-23	240	0.051	0.4	60	60	-----	-----	0.4	.61	.55	.47
Hole													
TN0201L	TN0201L	TO-92	20	0.64	1.5	1.200	2.000	4.000	-----	0.8	.90	.82	.70
TN0401L	TN0401L	TO-92	40	0.64	1.5	1.200	2.000	4.000	-----	0.8	.92	.84	.71
SUP70N04-10	SUP70N04-10	TO-220AB	40	70.0	140	0.010	0.014	-----	-----	107	3.14	2.85	2.42
SUP75N05-06	SUP75N05-06	TO-220AB	50	75	240	0.006	-----	-----	-----	187	5.75	5.23	4.45
2N7000	2N7000	TO-92	60	0.2	0.5	5.000	5.300	-----	-----	0.4	.33	.30	.26
TN0601L	TN0601L	TO-92	60	0.47	1.5	1.800	3.000	-----	-----	0.8	.95	.86	.73
SUP70N06-14	SUP70N06-14	TO-220AB	60	70	160	0.014	-----	-----	-----	142	3.45	3.14	2.67
SUP18N15-95	SUP18N15-95	TO-220AB	150	18.0	25	0.095	-----	-----	-----	88	2.07	1.88	1.60
TN2460L	TN2460L	TO-92	240	0.075	0.8	60	60	-----	-----	0.8	.54	.49	.42
TN2410L	TN2410L	TO-92	240	0.18	1	-----	10	15	-----	0.8	1.34	1.22	1.04

N-CHANNEL MOSFETs (DUAL CONFIGURATION)

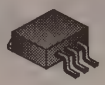
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (Max)(V)	Cont. Load Current (Max)(A)	Pulsed Drain Current (Max)(A)	P-Channel Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
ce Mount													
N0205A	TN0205A-T1	SOT-323	20	0.25	0.5/0.5	-----	2.000	2.500	-----	0.15	.63	.57	.48
N0205AD	TN0205AD-T1	SOT-363	20	0.25	0.5/0.5	-----	2.000	2.500	-----	0.2	.67	.61	.52
6956DQ	SI6956DQ-T1	TSSOP-8	20	+/- 2.5	+/- 20/+/- 20	0.090	0.175	-----	-----	1.0	1.88	1.71	1.45
6946DQ	SI6946DQ-T1	TSSOP-8	20	+/- 2.8	20/20	-----	0.080	0.110	-----	1.0	1.76	1.60	1.36
6925DQ	SI6925DQ-T1	TSSOP-8	20	+/- 3.4	+/- 30/+/- 30	-----	0.050	0.080	-----	1.0	1.95	1.77	1.50
9956DY	SI9956DY	SO-8	20	+/- 3.5	+/- 14/+/- 14	0.100	0.200	-----	-----	2.0	1.19	1.08	.92
9802DY	SI9802DY	SO-8	20	+/- 4.5	+/- 25/+/- 25	-----	0.055	0.075	-----	2.0	3.91	3.55	3.02
9925DY	SI9925DY	SO-8	20	+/- 5.0	+/- 48/+/- 48	-----	0.050	0.080	-----	2.0	1.63	1.48	1.26
9926DY	SI9926DY	SO-8	20	+/- 6.0	+/- 20/+/- 20	-----	0.030	0.040	-----	2.0	2.20	2.00	1.70
6954ADQ	SI6954ADQ-T1	TSSOP-8	30	+/- 3.9	+/- 20/+/- 20	0.065	0.095	-----	-----	1.0	1.13	1.03	.88
6928DQ	SI6928DQ-T1	TSSOP-8	30	+/- 4.0	+/- 20/+/- 20	0.035	0.050	-----	-----	1.0	1.76	1.60	1.36
4824DY	SI4824DY	SO-8	30	+/- 4.7/+/- 9.0	+/- 40/+/- 60	0.04/0.0175	0.065/0.027	----/----	----/----	1.4/2.25	1.97	1.79	1.52
9936DY	SI9936DY	SO-8	30	+/- 5.0	+/- 40/+/- 40	0.050	0.080	-----	-----	2.0	1.74	1.58	1.34
4926DY	SI4926DY	SO-8	30	6.3/10.5	30/40	0.022/0.0125	0.03/0.017	----/----	----/----	1.4/2.4	1.97	1.79	1.52
4924DY	SI4924DY	SO-8	30	+/- 6.3/+/- 11.5	30/40	0.022/0.0105	0.03/0.0145	----/----	----/----	1.4/2.4	2.05	1.86	1.58
4826DY	SI4826DY	SO-8	30	+/- 6.3/+/- 9.5	+/- 30/+/- 40	0.022/0.0155	0.03/0.0205	----/----	----/----	1.4/2.4	1.42	1.29	1.10
4828DY	SI4828DY	SO-8	30	+/- 7.5/+/- 9.8	+/- 30/+/- 40	0.022/0.0135	0.03/0.0175	----/----	----/----	2.0	1.57	1.43	1.22

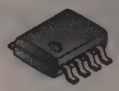
SILICONIX MOSFET Transistors

SO-8

SOT-23


TO-263

TSOP-6


TSSOP-8

N-CHANNEL LITTLEFOOT PLUS™ MOSFETs (SINGLE CONFIGURATION)

High performance MOSFET with a compatible Schottky rectifier for commonly for applications were space savings and efficiency are a requirement.

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
Surface Mount													
781-SI6820DQ	SI6820DQ-T1	TSSOP-8	20	1.9	+/- 8	-----	0.160	-----	-----	1.2	1.82	1.65	1.4
781-SI3812DV	SI3812DV-T1	TSSOP-8	20	+/- 2.4	+/- 8	-----	0.125	0.20	-----	1.15	.81	.74	.6
781-SI4812DY	SI4812DY	SO-8	30	9.0	+/- 50	0.0180	0.028	-----	-----	2.5	1.63	1.48	1.2
781-SI4832DY	SI4832DY	SO-8	30	9.0	+/- 50	0.0180	0.028	-----	-----	2.5	1.82	1.65	1.4
781-SI4810DY	SI4810DY	SO-8	30	10.0	+/- 50	0.0135	0.020	-----	-----	2.5	1.99	1.81	1.5
781-SI4852DY	SI4852DY	SO-8	30	11.0	50	0.0120	0.0175	-----	-----	2.5	1.95	1.77	1.5

N-CHANNEL LITTLEFOOT PLUS™ MOSFETs (DUAL CONFIGURATION)

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
Surface Mount													
781-SI4818DY	SI4818DY	SO-8	30	6.3/9.5	30/40	0.022/0.015	0.03/0.0205	-----	-----	1.4/2.4	1.72	1.56	1.3
781-SI4816DY	SI4816DY	SO-8	30	6.3/10.0	30/40	0.022/0.013	0.03/0.0185	-----	-----	1.4/2.4	1.72	1.56	1.3
781-SI4808DY	SI4808DY	SO-8	30	7.5	30	0.022	0.030	-----	-----	2.0	1.72	1.56	1.3
781-SI4830DY	SI4830DY	SO-8	30	7.5	30	0.022	0.030	-----	-----	2.0	1.23	1.12	.9
781-SI4834DY	SI4834DY	SO-8	30	7.5	30	0.033	0.030	-----	-----	2.0	1.65	1.50	1.2

N-CHANNEL TRENCHFET MOSFETs (SINGLE CONFIGURATION)

These TrenchFET power MOSFETs provide efficient power control with extremely low on-resistance.

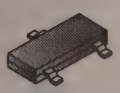
For quantities of 1000 and up, call for quo

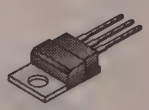
MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
Surface Mount													
781-SI4838DY	SI4838DY	SO-8	12	25.0	60	-----	0.003	0.004	-----	3.5	2.46	2.24	1.9
781-SI3446DV	SI3446DV-T1	TSOP-6	20	5.3	+/- 20	-----	0.045	0.065	-----	2.0	.86	.78	.6
781-SI3460DV	SI3460DV-T1	TSOP-6	20	6.8	20	-----	0.027	0.032	0.038	2.0	.98	.89	.7
781-SI6466DQ	SI6466DQ-T1	TSSOP-8	20	7.8	+/- 30	0.014	0.021	-----	-----	1.5	2.97	2.70	2.3
781-SI4426DY	SI4426DY	SO-8	20	+/- 8.5	+/- 40	-----	0.025	0.035	-----	2.5	1.40	1.27	1.0
781-SI4466DY	SI4466DY	SO-8	20	13.2	+/- 50	-----	0.009	0.013	-----	2.5	2.60	2.36	2.0
781-SI4876DY	SI4876DY	SO-8	20	21.0	50	-----	0.005	0.0075	-----	3.6	1.95	1.77	1.5
781-SUD50N02-06	SUD50N02-06	TO-252	20	30	100	-----	0.006	0.009	-----	100	2.65	2.41	2.0
781-SI6954ADQ	SI6954ADQ-T1	TSSOP-8	30	3.4	20	0.053	0.075	-----	-----	1.0	1.13	1.03	.8
781-SI2306DS	SI2306DS-T1	SOT-23	30	3.5	+/- 16	0.057	0.094	-----	-----	1.25	.72	.65	.5
781-SI3454DV	SI3454DV-T1	TSOP-6	30	4.5	+/- 20	0.060	0.085	-----	-----	2.0	.98	.89	.7
781-SI3456DV	SI3456DV-T1	TSOP-6	30	5.1	+/- 20	0.045	0.065	-----	-----	2.0	.90	.82	.7
781-SI3424DV	SI3424DV-T1	TSOP-6	30	6.7	30	0.028	0.038	-----	-----	2.0	.88	.80	.6
781-SI6410DQ	SI6410DQ-T1	TSSOP-8	30	7.8	+/- 30	0.014	0.021	-----	-----	1.5	1.99	1.81	1.5
781-SI4412ADY	SI4412ADY	SO-8	30	8.0	+/- 30	0.024	0.035	-----	-----	2.5	1.00	.91	.7
781-SI4416DY	SI4416DY	SO-8	30	9.0	+/- 50	0.018	0.028	-----	-----	2.5	1.55	1.41	1.2
781-SI4820DY	SI4820DY	SO-8	30	10.0	+/- 50	0.014	0.020	-----	-----	2.5	1.51	1.37	1.1
781-SI4420DY	SI4420DY	SO-8	30	12.5	+/- 50	0.009	0.013	-----	-----	2.5	2.44	2.22	1.8
781-SI4886DY	SI4886DY	SO-8	30	13.0	+/- 50	0.010	0.0135	-----	-----	2.95	2.70	2.45	2.0
781-SI4872DY	SI4872DY	SO-8	30	15.0	50	0.0075	0.010	-----	-----	3.1	2.60	2.36	2.0
781-SI4888DY	SI4888DY	SO-8	30	16.0	+/- 50	0.007	0.0100	-----	-----	3.5	2.05	1.86	1.5
781-SUD50N03-10AP	SUD50N03-10AP	TO-252	30	20	100	0.010	0.014	-----	-----	71	1.99	1.81	1.2
781-SUD50N03-10BP	SUD50N03-10BP	TO-252	30	20	100	0.010	0.014	-----	-----	71	1.95	1.77	1.2
781-SI4442DY	SI4442DY	SO-8	30	22.0	60	0.0045	0.005	0.0075	-----	3.5	2.37	2.15	1.8
781-SI4842DY	SI4842DY	SO-8	30	23.0	60	0.0045	0.006	-----	-----	3.5	1.95	1.77	1.2
781-SUD50N03-07AP	SUD50N03-07AP	TO-252	30	25	100	0.007	0.010	-----	-----	88	2.07	1.88	1.6
781-SUD30N03-30	SUD30N03-30	TO-252	30	30	+/- 40	0.030	0.045	-----	-----	50	1.57	1.43	1.2
781-SUB50N03-20C	SUB50N03-20C	TO-263	30	50	100	0.015	0.020	-----	-----	83	2.68	2.44	2.2
781-SUD50N03-11	SUD50N03-11	TO-252	30	50	100	0.011	0.017	-----	-----	62.5	1.93	1.75	1.4
781-SUB70N03-09P	SUB70N03-09P	TO-263	30	70	+/- 180	0.009	0.015	-----	-----	93	2.37	2.15	1.9
781-SUB70N03-09BP	SUB70N03-09BP	TO-263	30	70	200	0.009	0.013	-----	-----	93	2.62	2.38	2.1
781-SUB75N03-04	SUB75N03-04	TO-263	30	75	250	0.004	0.006	-----	-----	187	6.85	6.23	5.4
781-SUB85N03-04P	SUB85N03-04P	TO-263	30	85	240	0.0043	0.007	-----	-----	166	5.13	4.66	3.9
781-SUB85N02-06	SUB85N02-06	TO-263	30	85	240	0.007	0.010	-----	-----	107	2.88	2.62	2.3
781-SUB85N03-07P	SUB85N03-07P	TO-263	30	85	240	0.007	0.010	-----	-----	107	2.20	2.00	1.7
781-SI4896DY	SI4896DY	SO-8	30	+/- 6.9	+/- 40	0.025	0.0350	-----	-----	2.0	1.95	1.77	1.5
781-SI4802DY	SI4802DY	SO-8	30	+/- 8.4	+/- 20	0.0220	0.030	-----	-----	2.5	1.17	1.06	.9
781-SI4800DY	SI4800DY	SO-8	30	+/- 9.0	+/- 40	0.0185	0.033	-----	-----	2.5	1.44	1.31	1.1
781-SI4882DY	SI4882DY	SO-8	30	+/- 11.0	+/- 50	0.0105	0.0205	-----	-----	2.5	1.99	1.81	1.5
781-SI4890DY	SI4890DY	SO-8	30	+/- 11.0	+/- 50	0.012	0.0200	-----	-----	2.5	1.99	1.81	1.5
781-SI4822DY	SI4822DY	SO-8	30	+/- 12.0	+/- 80	0.010	0.015	-----	-----	2.5	1.65	1.50	1.2
781-SI4894DY	SI4894DY	SO-8	30	+/- 12.5	20	0.012	0.0180	-----	-----	3.0	1.67	1.52	1.2
781-SI4880DY	SI4880DY	SO-8	30	+/- 13.0	+/- 50	0.0085	0.014	-----	-----	2.5	2.86	2.60	2.3

SILICONIX MOSFET Transistors

VISHAY

SO-8


SOT-23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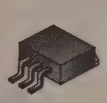
TO-252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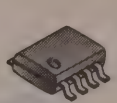

TSSOP-8

N-CHANNEL TRENCHFET MOSFETs (SINGLE CONFIGURATION) (CONT.)

TrenchFET power MOSFETs provide efficient power control with extremely low on-resistance.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
ce Mount													
i4874DY	SI4874DY	SO-8	30	+/- 15.0	+/- 50	0.0075	0.010	-----	-----	3.1	2.83	2.57	2.18
i4404DY	SI4404DY	SO-8	30	+/- 23	+/- 60	-----	0.008	-----	-----	3.5	2.72	2.47	2.10
i4430DY	SI4430DY	SO-8	30	+/- 23	+/- 60	-----	0.008	-----	-----	3.5	3.39	3.08	2.62
UD40N03-18P	SUD40N03-18P	TO-252	30	+/- 40	+/- 100	0.0180	0.027	-----	-----	62.5	1.86	1.69	1.44
i4884DY	SI4884DY	SO-8	30	+/1 12.0	+/- 50	0.0105	0.0165	-----	-----	2.95	1.42	1.29	1.10
i4840DY	SI4840DY	SO-8	40	14.0	50	0.009	0.012	-----	-----	3.1	1.58	1.44	1.22
UD25N04-25	SUD25N04-25	TO-252	40	25	50	0.0250	0.040	-----	-----	33	1.49	1.35	1.15
UB60N04-15LT	SUB60N04-15LT	TO-263	40	60	240	0.012	0.015	-----	-----	110	2.50	2.27	2.09
UB85N04-03	SUB85N04-03	TO-263	40	85	240	0.0035	0.0053	-----	-----	250	6.73	6.12	5.20
UB85N04-04	SUB85N04-04	TO-263	40	85	240	0.004	-----	-----	-----	250	6.85	6.23	5.30
UB75N05-07	SUB75N05-07	TO-263	55	+/- 75	+/- 240	0.007	0.009	-----	-----	158	4.37	3.97	3.37
i3458DV	SI3458DV-T1	TSOP-6	60	3.2	+/- 15	0.100	0.130	-----	-----	2.0	1.02	.93	.79
UB60N06-18	SUB60N06-18	TO-263	60	60	100	0.022	0.025	-----	-----	90	2.86	2.60	2.21
UB75N06-08	SUB75N06-08	TO-263	60	75	240	0.008	-----	-----	-----	187	5.81	5.28	4.49
UB85N06-05	SUB85N06-05	TO-263	60	+/- 85	+/- 240	0.0052	0.0072	-----	-----	250	5.31	4.83	4.11
UB75N08-10	SUB75N08-10	TO-263	75	75	240	0.010	-----	-----	-----	187	5.73	5.21	4.43
UB85N08-08	SUB85N08-08	TO-263	75	85	240	0.0080	-----	-----	-----	250	5.81	5.28	4.49
i4480DY	SI4480DY	SO-8	80	6.0	+/- 40	0.035	-----	-----	-----	2.5	2.28	2.07	1.76
UD40N08-16	SUD40N08-16	TO-252	80	40	60	0.016	-----	-----	-----	100	2.83	2.57	2.18
i4482DY	SI4482DY	SO-8	100	4.6	+/- 40	0.060	-----	-----	-----	2.5	2.49	2.26	1.92
UD40N10-25	SUD40N10-25	TO-252	100	40	70	0.025	0.063	-----	-----	33	3.07	2.79	2.37
UB85N10-10	SUB85N10-10	TO-263	100	85	240	0.0105	0.012	-----	-----	250	7.63	6.94	5.90
i4848DY	SI4848DY	SO-8	150	3.7	25	0.0850	-----	-----	-----	3.0	1.55	1.41	1.20
i4488DY	SI4488DY	SO-8	150	5.0	50	0.050	-----	-----	-----	3.1	2.65	2.41	2.05
i4490DY	SI4490DY	SO-8	200	4.0	40	0.080	-----	-----	-----	3.1	1.95	1.77	1.50
Hole													
UP85N02-06	SUP85N02-06	TO-220AB	20	85	240	-----	0.006	0.0090	-----	120	3.04	2.76	2.35
UP70N03-09BP	SUP70N03-09BP	TO-220AB	30	70	200	0.009	0.013	-----	-----	93	2.20	2.00	1.70
UP70N03-09P	SUP70N03-09P	TO-220AB	30	70	+/- 180	0.009	0.015	-----	-----	93	1.95	1.77	1.50
UP85N03-04P	SUP85N03-04P	TO-220AB	30	85	240	0.0043	0.007	-----	-----	166	5.13	4.66	3.96
UP85N03-07P	SUP85N03-07P	TO-220AB	30	85	240	0.007	0.010	-----	-----	107	2.62	2.38	2.02
UP85N04-03	SUP85N04-03	TO-220AB	40	85	240	0.0035	0.0053	-----	-----	250	6.73	6.12	5.20
UP85N04-04	SUP85N04-04	TO-220AB	40	85	240	0.004	-----	-----	-----	250	6.85	6.23	5.30
UP75N05-07	SUP75N05-07	TO-220AB	55	+/- 75	+/- 240	0.007	0.009	-----	-----	158	4.60	4.18	3.55
UP60N06-18	SUP60N06-18	TO-220AB	60	60	120	0.018	-----	-----	-----	120	2.90	2.64	2.24
UP75N06-08	SUP75N06-08	TO-220AB	60	75	240	0.008	-----	-----	-----	187	5.85	5.32	4.52
UP85N06-05	SUP85N06-05	TO-220AB	60	+/- 85	+/- 240	0.0052	0.0072	-----	-----	250	7.08	6.44	5.47
UP75N08-10	SUP75N08-10	TO-220AB	75	75	240	0.010	-----	-----	-----	187	5.75	5.23	4.45
UP85N08-08	SUP85N08-08	TO-220AB	75	85	240	0.0080	-----	-----	-----	250	6.06	5.51	4.68
UP85N10-10	SUP85N10-10	TO-220AB	100	85	240	0.0105	0.012	-----	-----	250	8.05	7.32	6.22

N-CHANNEL TRENCHFET MOSFETs (DUAL CONFIGURATION)

For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (Max)(V)	Cont. Load Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
ce Mount													
i6926DQ	SI6926DQ-T1	TSSOP-8	20	+/- 4.0	+/- 20	-----	0.035	0.045	-----	1.0	1.95	1.77	1.50
i6966DQ	SI6966DQ-T1	TSSOP-8	20	+/- 4.5	+/- 30	-----	0.030	0.040	-----	1.0	1.76	1.60	1.36
i6866DQ	SI6866DQ-T1	TSSOP-8	20	5.8	+/- 30	-----	0.030	0.040	-----	1.7	1.51	1.37	1.16
i6862DQ	SI6862DQ-T1	TSSOP-8	20	6.6	30	-----	0.026	0.036	-----	1.8	1.63	1.48	1.26
i4966DY	SI4966DY	SO-8	20	+/- 7.1	+/- 40	-----	0.025	0.035	-----	2.0	2.00	1.82	1.55
i4936ADY	SI4936ADY	SO-8	30	5.9	+/- 30	0.036	0.053	-----	-----	2.0	1.42	1.29	1.10
i4920DY	SI4920DY	SO-8	30	+/- 6.9	+/- 40	0.025	0.035	-----	-----	2.0	1.86	1.69	1.44
i4804DY	SI4804DY	SO-8	30	+/- 7.5	1.7	0.022	0.030	-----	-----	2.0	1.57	1.43	1.22
i4806DY	SI4806DY	SO-8	30	+/- 7.7/+/- 2.0	+/- 40/+/- 4.0	0.022/0.025	0.03/0.04	-----	-----	2.3	1.86	1.69	1.44
i4922DY	SI4922DY	SO-8	30	8.8	+/- 30	0.016	0.053	0.024	-----	2.0	1.99	1.81	1.54
i9945AEY	SI9945AEY	SO-8	60	+/- 3.7	25	0.080	0.100	-----	-----	2.4	1.46	1.33	1.13
i4946EY	SI4946EY	SO-8	60	+/- 4.5	+/- 30	0.055	0.075	-----	-----	2.4	2.05	1.86	1.58
i4980DY	SI4980DY	SO-8	80	+/- 3.7	+/- 30	0.075	-----	-----	-----	2.0	2.26	2.05	1.74
i4982DY	SI4982DY	SO-8	100	+/- 2.6	+/- 20	0.150	-----	-----	-----	2.0	1.99	1.81	1.54

N-CHANNEL ENHANCEMENT MODE MOSFETs (SINGLE CONFIGURATION)

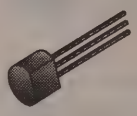
For quantities of 1000 and up, call for quote.

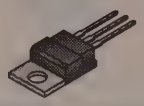
MOUSER TOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 5.0	(Max)(Ω) 4.5	(Max)(Ω) 2.5	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
ce Mount													
N0201T	TN0201T	SOT-23	20	0.39	0.75	1.000	-----	1.400	-----	0.35	.75	.68	.58
N0605T	VN0605T	SOT-23	60	0.18	0.72	5	-----	-----	-----	0.36	.40	.36	.31
UB70N06-14	SUB70N06-14	TO-263	60	70	160	0.014	-----	-----	-----	142	3.55	3.23	2.75
9420DY	SI9420DY	SO-8	200	1.0	+/- 10	1.000	-----	-----	-----	2.5	1.55	1.41	1.20
N2460T	TN2460T	SOT-23	240	0.051	400	60	-----	60	-----	0.36	.61	.55	.47
N50300T	VN50300T	SOT-23	500	0.022	0.08	300	-----	-----	-----	0.35	.72	.65	.55

SILICONIX MOSFET Transistors

SO-8

SOT-23


TO-92S


TO-220AB

TO-252

TO-263

N-CHANNEL ENHANCEMENT MODE MOSFETs (SINGLE CONFIGURATION)

For quantities of 1000 and up, call for

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 5.0	(Max)(Ω) 4.5	(Max)(Ω) 2.5	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100
Thru Hole												
781-VN0300L	VN0300L	TO-92	30	0.64	3	1.200	-----	-----	-----	0.80	1.16	1.05
781-VN0300LS	VN0300LS	TO-92S	30	0.67	3	1.200	-----	-----	-----	0.90	1.16	1.05
781-VN2222L	VN2222L	TO-92	60	0.23	1	5	7.5	-----	-----	0.80	.51	.46
781-VN2222LL	VN2222LL	TO-92	60	0.23	1	7.5	7.5	-----	-----	1.00	.54	.49
781-VN0610L	VN0610L	TO-92	60	0.27	1	5	-----	-----	-----	0.80	.74	.67
781-VN0610LL	VN0610LL	TO-92	60	0.28	1.3	5	-----	-----	-----	0.80	.63	.57
781-VN10KE	VN10KE	TO-52	60	0.31	1	10	7.5	-----	-----	0.90	1.57	1.43
781-VN10KLS	VN10KLS	TO-92S	60	0.31	1	10	7.5	-----	-----	0.90	.77	.70
781-VN10LLS	VN10LLS	TO-92S	60	0.32	1.4	5	7.5	-----	-----	0.90	.72	.65
781-VN0606L	VN0606L	TO-92	60	0.33	0.8	3	-----	-----	-----	0.80	1.25	1.14
781-BS170	BS170	TO-92-18	60	0.5	-----	5	-----	-----	-----	0.83	.61	.55
781-2N6660	2N6660	TO-39	60	1.1	3	1.3	-----	2	-----	6.25	2.49	2.26
781-VN66AFD	VN66AFD	TO-220SD	60	1.46	3	3	5	-----	-----	15.00	1.72	1.56
781-VN0808L	VN0808L	TO-92	80	0.3	1.9	4	-----	-----	-----	0.80	1.38	1.25
781-VN0808LS	VN0808LS	TO-92S	80	0.33	1.9	4	-----	-----	-----	0.90	1.38	1.25
781-VN88AFD	VN88AFD	TO-220SD	80	1.29	+/- 3	4	-----	-----	-----	15.00	1.79	1.63
781-2N6661	2N6661	TO-39	90	0.9	+/- 3	4	-----	-----	-----	6.25	2.88	2.62
781-VN1206L	VN1206L	TO-92	120	0.23	2	6	-----	-----	10	0.80	.81	.74
781-VN2010L	VN2010L	TO-92	200	0.19	0.8	-----	-----	10	-----	0.80	1.36	1.24
781-TN2460L	TN2460L	TO-92	240	0.051	800	60	-----	60	-----	0.80	.54	.49
781-VN2410L	VN2410L	TO-92	240	0.18	1	-----	-----	10	-----	0.80	1.30	1.18
781-VN2406D	VN2406D	TO-220AB	240	1.12	3	6	-----	-----	10	20.00	2.34	2.13
781-VN4012L	VN4012L	TO-92	400	0.16	0.65	-----	-----	12	-----	0.80	1.88	1.71
781-VN50300L	VN50300L	TO-92	500	0.033	0.013	300	-----	-----	-----	0.80	.65	.59

N-CHANNEL ENHANCEMENT MODE MOSFETs (DUAL CONFIGURATION)

For quantities of 1000 and up, call for

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100
Surface Mount												
781-SI9806DY	SI9806DY	SO-8	25	+/- 7.0/+/- 1.8	+/- 40/+/- 4.0	----/----	0.027/0.40	----/----	----/----	2.5	3.85	3.50

N-CHANNEL ENHANCEMENT MODE MOSFETs (QUAD CONFIGURATION)

For quantities of 1000 and up, call for

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100
Thru Hole												
781-VQ1000J	VQ1000J	DIP-14	60	0.225	1	5.5	-----	-----	-----	1.3	3.93	3.57

N-CHANNEL LOGIC LEVEL MOSFETs (SINGLE CONFIGURATION)

For quantities of 1000 and up, call fo

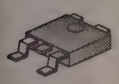
MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100
Surface Mount												
781-SUB45N03-13L	SUB45N03-13L	TO-263	30	45	100	0.013	0.020	-----	-----	88	1.32	1.20
781-SUB75N04-05L	SUB75N04-05L	TO-263	40	75	240	0.0055	0.0065	-----	-----	187	5.73	5.21
781-SUD45N05-20L	SUD45N05-20L	TO-252	50	30	100	0.018	0.020	-----	-----	75	2.41	2.19
781-SUB45N05-20L	SUB45N05-20L	TO-263	50	+/- 45	+/- 100	0.018	0.020	-----	-----	93	2.32	2.11
781-SUD15N06-90L	SUD15N06-90L	TO-252	60	15	30	0.065	0.090	-----	-----	37	1.13	1.03
781-SUD25N06-45L	SUD25N06-45L	TO-252	60	25	30	0.035	0.045	-----	-----	50	1.69	1.54
781-SUD40N06-25L	SUD40N06-25L	TO-252	60	30	100	0.022	0.025	-----	-----	75	2.41	2.19
781-SUB40N06-25L	SUB40N06-25L	TO-263	60	40	100	0.0220	0.025	-----	-----	90	2.32	2.11
781-SUB75N06-07L	SUB75N06-07L	TO-263	60	75	240	0.0075	0.0085	-----	-----	187	6.17	5.61
781-SUB75N06-12L	SUB75N06-12L	TO-263	60	75	180	0.012	0.014	-----	-----	142	3.25	2.95
781-SUD06N10-225L	SUD06N10-225L	TO-252	100	6.5	8	0.200	0.225	-----	-----	20	1.40	1.27
Thru Hole												
781-SUP45N03-13L	SUP45N03-13L	TO-220AB	30	45	100	-----	0.020	-----	-----	88	2.02	1.84
781-SUP45N05-20L	SUP45N05-20L	TO-220AB	50	+/- 45	+/- 100	0.018	0.020	-----	-----	93	2.76	2.51
781-SUP40N06-25L	SUP40N06-25L	TO-220AB	60	40	100	0.022	0.025	-----	-----	90	2.70	2.45
781-SUP75N06-07L	SUP75N06-07L	TO-220AB	60	75	240	0.0075	0.0085	-----	-----	187	6.17	5.61
781-SUP75N06-12L	SUP75N06-12L	TO-220AB	60	75	180	0.012	0.014	-----	-----	142	3.32	3.02
781-SUP75N08-09L	SUP75N08-09L	TO-220AB	75	+/- 75	+/- 240	0.009	0.011	-----	-----	+/- 240	5.83	5.30

VISHAY Power Mosfets and Transistors

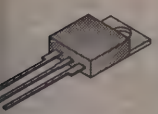
SO-8

SOT-23-3

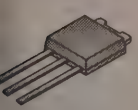
TO-263AB



TO-252

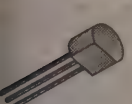


TO-220AB



TO-251

SOT-23-6L



TO-92

N CHANNEL POWER MOSFETs

For quantities of 2000 or more, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Style	Configuration	VDS Max. (V)	VGS Max. (V)	ID @25°C (A)	PD @ 25°C (W)	RDS (on) (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	Price Each 1	100	500	1000
Surface Mount														
625-GF9926	GF9926/5B	SO-8	Dual	20	10	6	2.0	-----	0.03	0.04	.71	.60	.53	.49
625-GF9410	GF9410/5B	SO-8	Single	30	20	2	2.5	-----	0.03	0.04	.64	.54	.48	.45
625-GF4936	GF4936/5B	SO-8	Dual	30	20	5.8	2	0.037	0.055	-----	.97	.82	.75	.73
625-GF4412	GF4412/5B	SO-8	Single	30	20	7	2.5	0.028	0.042	-----	.84	.71	.63	.59
625-GF2918	GF2918/5B	SO-8	Dual	30	20	7.8	2.0	0.018	0.028	-----	.92	.78	.69	.64
625-GF4420	GF4420/5B	SO-8	Single	30	20	12.5	2.5	0.009	0.013	-----	1.20	1.02	.90	.84
625-GFB50N03	GFB50N03/31B	TO-263AB	Single	30	20	50	62.5	0.013	0.02	-----	.96	.82	.72	.67
625-GFB60N03	GFB60N03/31B	TO-263AB	Single	30	20	60	62.5	0.011	0.016	-----	.74	.63	.56	.52
625-GFB70N03	GFB70N03/31B	TO-263AB	Single	30	20	70	62.5	0.008	0.011	-----	1.44	1.22	1.08	1.01
625-GFB75N03	GFB75N03/31B	TO-263AB	Single	30	20	80	69.4	0.0065	0.0095	-----	2.03	1.73	1.52	1.42
625-BSN20	BSN20/E9	SOT-23-3	Single	50	20	0.18	.35	6	-----	-----	.16	.12	.09	.07
625-BSS138	BSS138/E9	SOT-23-3	Single	50	20	0.22	.35	3.5	6	-----	.18	.13	.10	.08
625-IRFZ44NS	IRFZ44NS/31B	TO-263AB	Single	55	20	49	94	0.02	-----	-----	1.13	.98	.88	.81
625-GFD2206	GFD2206/27K	TO-252	Single	60	20	42	62.5	-----	-----	-----	.93	.79	.70	.65
Thru-Hole														
625-GFP50N03	GFP50N03/45B	TO-220AB	Single	30	20	50	62.5	0.013	0.02	-----	.88	.75	.66	.62
625-GFU50N03	GFU50N03/45A	TO-251	Single	30	20	65	62.5	-----	-----	-----	.88	.75	.66	.62
625-GFP75N03	GFP75N03/45B	TO-220AB	Single	30	20	80	69.4	0.0065	0.0095	-----	1.97	1.67	1.47	1.38

P CHANNEL POWER MOSFETs

For quantities of 2000 or more, call for quote.

Surface Mount														
625-GF3443	GF3443/5B	SOT-23-6L	Single	20	12	4.4	2	-----	0.065	0.1	.34	.29	.26	.24
625-GF4953	GF4953/5B	SO-8	Dual	30	20	4.9	2	0.053	0.095	-----	1.24	1.05	.93	.87
625-GF4435	GF4435/5B	SO-8	Single	30	20	8	2.5	0.02	0.035	-----	.84	.71	.63	.61
625-GF4425	GF4425/5B	SO-8	Single	30	20	11	2.5	0.014	0.023	-----	1.50	1.28	1.13	1.05

N CHANNEL DMOS TRANSISTORS

For quantities of 2000 or more, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Style	VDS Max. (V)	VGS Max. (V)	ID @25°C (A)	PD @ 25°C (W)	RDS (on) (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	Price Each 1	100	500	1000
Thru-Hole													
625-BS170	BS170/E7	TO-92	60	60	300	830	5	-----	-----	.25	.18	.14	.11
625-2N7000	2N7000/E7	TO-92	60	60	300	830	5	-----	-----	.23	.17	.13	.10
625-BS108	BS108/E7	TO-92	240	240	230	830	-----	-----	-----	.70	.50	.40	.31

P CHANNEL DMOS TRANSISTORS

For quantities of 2000 or more, call for quote.

Thru-Hole													
625-BS250	BS250/E6	TO-92	60	60	250	830	5	-----	-----	1.14	.90	.78	.66

NPN SMALL SIGNAL BIPOLAR TRANSISTORS

For quantities of 2000 or more, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Style	Type	VCEO Max. (V)	IC Max. (mA)	VCE (SAT) Max. (V)	VCE (SAT) @ IC (mA)	fFE Min/Typ/Max	fFE @ IC (mA)	fT Min/Typ (MHz)	fT @ IC (mA)	Price Each 1	100	500	1000
Surface Mount															
625-BC818-16	BC818-16-GS08	SOT-23-3	NPN	25	800	0.7	500	100/----/250	100	----/100	10	.06	.049	.044	.041
625-BC848A	BC848A-GS08	SOT-23-3	NPN	30	100	0.25	10	110/180/220	2	----/300	10	.05	.041	.036	.034
625-MMBT3904	MMBT3904-GS08	SOT-23-3	NPN	40	200	0.2	10	100/----/300	10	300/----	10	.05	.046	.041	.038
625-MMBT4401	MMBT4401-GS08	SOT-23-3	NPN	40	200	0.4	150	100/----/300	150	250/----	20	.06	.051	.045	.042
625-MMBT2222A	MMBT2222A-GS08	SOT-23-3	NPN	40	600	0.3	150	100/----/300	150	300/----	20	.06	.051	.045	.042
625-BC847A	BC847A-GS08	SOT-23-3	NPN	45	100	0.25	10	110/180/220	2	----/300	10	.05	.041	.036	.034
625-BC846A	BC846A-GS08	SOT-23-3	NPN	65	100	0.25	10	110/180/220	2	----/300	10	.05	.041	.036	.034
625-MMBTA06	MMBTA06-GS08	SOT-23-3	NPN	80	500	0.25	100	100/----/----	10	100/----	10	.07	.056	.050	.046
Thru Hole															
625-2N4124	2N4124-BULKS	TO-92	NPN	25	200	0.3	50	120/----/360	2	----/200	10	.06	.049	.044	.041
625-BC338-16	BC338-16-BULKS	TO-92	NPN	25	800	0.7	500	100/160/250	100	----/100	10	.06	.051	.045	.042
625-BC548A	BC548A-BULKS	TO-92	NPN	30	100	0.2	10	110/180/220	2	----/300	10	.06	.049	.044	.041
625-2N3904	2N3904-BULKS	TO-92	NPN	40	200	0.85	10	100/----/300	10	300/----	10	.05	.044	.039	.036
625-2N4401	2N4401-BULKS	TO-92	NPN	40	600	0.4	150	100/----/300	150	250/----	20	.06	.051	.045	.042
625-MPS2222A	MPS2222A-BULKS	TO-92	NPN	40	600	0.3	150	100/----/300	150	300/----	20	.06	.049	.044	.041
625-BC547A	BC547A-BULKS	TO-92	NPN	45	100	0.2	10	110/180/220	2	----/300	10	.06	.049	.044	.041
625-BC337-16	BC337-16-BULKS	TO-92	NPN	45	800	0.7	500	100/160/250	100	----/100	10	.06	.051	.045	.042
625-BC546A	BC546A-BULKS	TO-92	NPN	65	100	0.2	10	110/180/220	2	----/300	10	.06	.049	.044	.041
625-MPSA06	MPSA06/E6	TO-92	NPN	80	500	0.25	100	100/----/----	10	100/----	10	.07	.056	.050	.046

PNP SMALL SIGNAL BIPOLAR TRANSISTORS

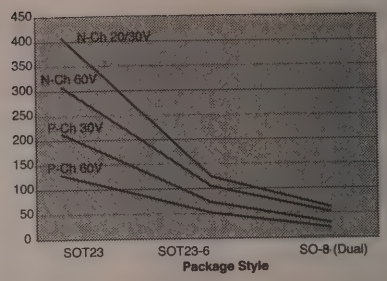
For quantities of 2000 or more, call for quote.

Surface Mount															
625-BC808-16	BC808-16-GS08	SOT-23-3	PNP	-25	-800	-0.7	-500	100/----/250	-100	----/100	-10	.06	.049	.044	.041
625-BC858A	BC858A-GS08	SOT-23-3	PNP	-30	-100	-0.3	-10	110/180/220	2	----/150	-10	.05	.041	.036	.034
625-MMBT4403	MMBT4403-GS08	SOT-23-3	PNP	-40	-600	-0.4	-150	100/----/300	-150	200/----	-20	.06	.051	.045	.042
625-MMBT2907A	MMBT2907A-GS08	SOT-23-3	PNP	-40	-600	-0.4	-150	100/----/300	150	200/----	-50	.06	.051	.045	.042
625-MMBT3906	MMBT3906-GS08	SOT-23-3	PNP	-40	-200	-0.25	-10	100/----/300	10	250/----	-10	.05	.046	.041	.038
625-BC857A	BC857A-GS08	SOT-23-3	PNP	-45	-100	-0.3	-10	110/180/220	2	----/150	-10	.05	.041	.036	.034
625-BC856A	BC856A-GS08	SOT-23-3	PNP	-65	-100	-0.3	-10	110/180/220	2	----/150	-10	.05	.041	.036	.034
625-MMBTA56	MMBTA56-GS08	SOT-23-3	PNP	-80	-500	-0.25	-100	100/----/----	-10	50/----	-100	.07	.056	.050	.046
Thru Hole															
625-2N4126	2N4126-BULKS	TO-92	PNP	-25	-200	-0.4	-50	120/----/360	-2	----/200	-10	.06	.049	.044	.041
625-BC328-16	BC328-16-BULKS	TO-92	PNP	-25	-800	-0.7	-500	100/160/250	-100	----/100	-10	.06	.051	.045	.042
625-BC558A	BC558A-BULKS	TO-92	PNP	-30	-100	-0.3	-10	110/180/220	-2	----/150	-10	.06	.049	.044	.041
625-2N3906	2N3906-BULKS	TO-92	PNP	-40	-200	-0.25	-10	100/----/400	-10	250/----	-10	.05	.044	.039	.036
625-2N4403	2N4403-BULKS	TO-92	PNP	-40	-600	-0.4	-150	100/----/300	-150	200/----	-20	.06	.051	.045	.042
625-BC557A	BC557A-BULKS	TO-92	PNP	-45	-100	-0.3	-10	110/180/220	-2	----/150	-10	.06	.049	.044	.041
625-BC327-16	BC327-16-BULKS	TO-92	PNP	-45	-800	-0.7	-500	100/160/250	-100	----/100	-10	.06	.051	.045	.042
625-BC556A	BC556A-BULKS	TO-92	PNP	-65	-100	-0.3	-10	110/180/220	-2	----/150	-10	.06	.049	.044	.041
625-MPSA56	MPSA56/E6	TO-92	PNP	-80	-500	-0.25	-100	100/----/----	-10	50/----	-100	.07	.056	.050	.046

ZETEX MOSFETs

ZETEX SEMICONDUCTORS

Zetex uses both planar and trench technology platforms, to produce a wide portfolio of N & P-Channel MOSFETs with operating ranges of 450 volts. The latest trench MOSFET technology is used for N & P-Channel devices ranging in voltage from 20 to 100 Volts. This technology offers very low on-resistance and high current handling from small packages. A high density planar process is used to achieve a range of N & P-Channel 20 and 30 Volt products, with low on-resistance and low gate charge. This process results in improved efficiency solutions in higher frequency switching applications. Complementing the range, Zetex offers a series of small signal devices, with voltages up to 450V. The devices are commonly used in general purpose, low current switching applications.



N-Channel MOSFETs

◆ Surface Mount Devic

• BV_{DSS} = 20V

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} V	I_D A	P_D W	$R_{DS(on)}$ Max (Ω) @ V_{GS}=2.5V	$R_{DS(on)}$ Max (Ω) @ V_{GS}=4.5V	C_{ISS} typ(pF) @ V_{DS}=10V	Q_a typ(nC) @ V_{GS}=4.5V	Price Each 1	10	100	500	Reel Qty.	Price
◆ 522-ZXM61N02FTA	ZXM61N02F	SOT23	20	1.7	0.8	0.240 @ 2.7V	0.18	170	2.6	.55	.42	.32	.25	3000	.15
◆ 522-ZXM62N02E6TA	ZXM62N02E6	SOT23-6	20	3.2	1.7	0.125 @ 2.7V	0.1	480	5	.90	.72	.53	.45	3000	.33
◆ 522-ZXMN2A01E6TA	ZXMN2A01E6	SOT23-6	20	3	1.7	0.3	0.12	299	3.1	.75	.55	.40	.32	3000	.22
◆ 522-ZXMN2A01FTA	ZXMN2A01F	SOT23	20	2	0.8	0.3	0.12	310	3	.50	.35	.28	.22	3000	.13
◆ 522-ZXMN2A03E6TA	ZXMN2A03E6	SOT23-6	20	4.5	1.7	0.1	0.055	823	8.6	.67	.55	.46	.40	3000	.28
◆ 522-ZXMN2A04DN8TA	ZXMN2A04DN8	SO8 (dual)	20	6.8	2.1	0.04	0.025	2300	24	2.26	1.84	1.56	1.35	500	1.35
◆ 522-ZXMN2A14FTA	ZXMN2A14F	SOT23	20	3.3	1	0.11	0.06	613	6.4	.67	.55	.46	.40	3000	.29

• BV_{DSS} from 30 to 50V

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} V	I_D A	P_D W	$R_{DS(on)}$ Max (Ω) @ V_{GS}=4.5V	$R_{DS(on)}$ Max (Ω) @ V_{GS}=10V	C_{ISS} typ(pF) @ V_{DS}=15V	Q_a typ(nC) @ V_{GS}=10V	Price Each 1	10	100	500	Reel Qty.	Price
◆ 522-ZXM61N03FTA	ZXM61N03F	SOT23	30	1.4	0.8	0.3	0.22	160	3.2	.55	.42	.32	.25	3000	.1
◆ 522-ZXM62N03E6TA	ZXM62N03E6	SOT23-6	30	3.2	1.7	0.15	0.11	390	7	.90	.72	.53	.45	3000	.3
◆ 522-ZXM62N03GTA	ZXM62N03G	SOT223	30	4.7	3.9	0.15	0.11	380	9.6	.90	.72	.53	.45	1000	.4
◆ 522-ZXMN3A01E6TA	ZXMN3A01E6	SOT23-6	30	3	1.7	0.18	0.12	190	3.9	.70	.55	.42	.35	3000	.2
◆ 522-ZXMN3A01FTA	ZXMN3A01F	SOT23	30	2	0.8	0.18	0.12	190	3.9	.50	.39	.28	.22	3000	.1
◆ 522-ZXMN3A04DN8TA	ZXMN3A04DN8	SO8 (dual)	30	8.5	2.1	0.03	0.02	1890	35.7	2.99	2.35	1.89	1.50	500	1.5
◆ 522-ZXMN3A06DN8TA	ZXMN3A06DN8	SO8 (dual)	30	6.2	2.1	0.05	0.035	750	17.5	1.65	1.35	.96	.75	1000	.6
◆ 522-ZXMN3A14FTA	ZXMN3A14F	SOT23	30	3.5	1	0.095	0.065	450	8.7	.67	.55	.46	.40	3000	.2
◆ 522-ZXMN3B04N8TA	ZXMN3B04N8	SO8	30	9.1	2.5	0.025	- - -	2480	23.1 @ 4.5V	1.65	1.35	.96	.75	1000	.6
◆ 522-ZXM64N035GTA	ZXM64N035G	SOT223	35	6.7	3.9	0.062	0.05	970	22	1.99	1.50	1.13	.92	1000	.8
522-ZXMN3A02N8TA	ZXMN3A02N8TA	SO8	30	9	2.5	0.035	0.025	1400	26.8	1.10	.95	.87	.79	500	.7
522-ZXMN3A04KTC	ZXMN3A04KTC	DPAK	30	18.4	10.1	0.03	0.02	1890	36.8	1.12	.96	.88	.83	2500	.7
◆ 522-ZXMN4A06GTA	ZXMN4A06G	SOT223	40	7	3.9	0.075	0.05	810	18.2	1.09	.89	.75	.64	1000	.5
◆ 522-BSS138TA	BSS138	SOT23	50	0.2	0.36	3.5 @ 5V	- - -	35	- - -	.40	.32	.25	.19	- - -	- -

• BV_{DSS} = 60V

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} V	I_D A	P_D W	$R_{DS(on)}$ Max (Ω) @ V_{GS}=4.5V	$R_{DS(on)}$ Max (Ω) @ V_{GS}=10V	C_{ISS} typ(pF) @ V_{DS}=30V	Q_a typ(nC) @ V_{GS}=10V	Price Each 1	10	100	500	Reel Qty.	Price
522-ZVN2106A	ZVN2106A	E-Line	60	0.45	0.7	- - -	2	50	1.6	.89	.72	.51	.44	- - -	- -
◆ 522-ZVN2106GTA	ZVN2106G	SOT223	60	0.71	2	- - -	2	50	1.6	.99	.82	.62	.45	2000	.3
522-ZVN3306A	ZVN3306A	E-Line	60	0.27	0.625	- - -	5	30	0.95	.65	.50	.40	.36	- - -	- -
◆ 522-ZVN3306FTA	ZVN3306F	SOT23	60	0.15	0.33	- - -	5	30	0.95	.65	.50	.40	.36	3000	.2
◆ 522-ZVN4106FTA	ZVN4106F	SOT23	60	0.2	0.33	5 @ 5V	2.5	27	1	.68	.56	.47	.40	3000	.2
522-ZVN4206A	ZVN4206A	E-Line	60	0.6	0.7	1.5 @ 5V	1	70	2.4	.89	.75	.60	.45	- - -	- -
◆ 522-ZVN4206GTA	ZVN4206G	SOT223	60	1	2	1.5 @ 5V	1	70	2.4	.89	.75	.60	.45	2000	.3
◆ 522-ZXMN6A07FTA	ZXMN6A07F	SOT23	60	1	0.8	0.45	0.3	166	3.2	.55	.42	.30	.25	3000	.1
◆ 522-ZXMN6A08E6TA	ZXMN6A08E6	SOT23-6	60	3.1	1.7	0.18	0.1	459	5.8	.89	.75	.60	.48	3000	.3
◆ 522-ZXMN6A09DN8TA	ZXMN6A09DN8	SO8 (dual)	60	5.2	2.1	0.07	0.045	1410	24	2.99	2.35	1.75	1.50	500	1.5
522-ZXMN6A09KTC	ZXMN6A09KTC	DPAK	60	11.2	10.1	0.07	0.045	1426	29	1.12	.96	.88	.83	2500	.7
◆ 522-ZXMN6A11GTA	ZXMN6A11G	SOT223	60	3.8	3.9	0.25	0.14	330	5.7	1.09	.80	.60	.45	1000	.3
◆ 522-ZXMN6A25DN8TA	ZXMN6A25DN8	SO8 (dual)	60	4.7	2.1	0.075	0.055	980	20.4	1.38	1.08	.80	.65	1000	.5

• BV_{DSS} from 80 to 100

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} V	I_D A	P_D W	$R_{DS(on)}$ M ax (Ω) @ V_{GS}=6V	$R_{DS(on)}$ M ax (Ω) @ V_{GS}=10V	C_{ISS} typ(pF) @ V_{DS}=50V	Q_a typ(nC) @ V_{GS}=10V	Price Each 1	10	100	500	Reel Qty.	Price
◆ 522-BSS123ATA	BSS123A	SOT23	100	0.17	0.36	10 @ 4.5V	6	40	1.2	.29	.23	.20	.17	3000	.1
◆ 522-BSS123TA	BSS123	SOT23	100	0.17	0.36	- - -	6	25	0.7	.39	.32	.27	.23	3000	.1
522-ZVN2110A	ZVN2110A	E-Line	100	0.32	0.7	- - -	4	60	1.8	.85	.70	.55	.39	- - -	- -
◆ 522-ZVN2110GTA	ZVN2110G	SOT223	100	0.5	2	- - -	4	60	1.8	.85	.70	.55	.39	2000	.3
522-ZVN3310A	ZVN3310A	E-Line	100	0.2	0.625	- - -	10	25	0.7	.65	.50	.40	.36	- - -	- -
◆ 522-ZVN3310FTA	ZVN3310F	SOT23	100	0.1	0.33	- - -	10	25	0.7	.65	.50	.40	.36	3000	.2
522-ZVN4210A	ZVN4210A	E-Line	100	0.45	0.7	1.8 @ 5V	1.5	65	2.7	.99	.80	.65	.49	- - -	- -
◆ 522-ZVN4210GTA	ZVN4210G	SOT223	100	0.8	2	1.8 @ 5V	1.5	65	2.7	.78	.63	.54	.46	2000	.3
◆ 522-ZXMN10A07FTA	ZXMN10A07F	SOT23	100	0.64	0.8	0.9	0.7	138	2.5	.50	.35	.28	.22	3000	.1
◆ 522-ZXMN10A08E6TA	ZXMN10A08E6	SOT23-6	100	1.5	1.7	0.3	0.25	405	7.7	.67	.55	.46	.40	3000	.2
522-ZXMN10A09KTC	ZXMN10A09KTC	DPAK	100	7.7	10.1	0.1	0.085	1313	26	1.12	.96	.88	.83	2500	.7
◆ 522-ZXMN10A11GTA	ZXMN10A11G	SOT223	100	1.9	3.9	0.45	0.35	274	5.4	.99	.75	.58	.50	1000	.4

• BV_{DSS} from 150 to 450

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} V	I_D A	P_D W	$R_{DS(on)}$ M ax (Ω) @ V_{GS}=2.5V	$R_{DS(on)}$ M ax (Ω) @ V_{GS}=10V	C_{ISS} typ(pF) @ V_{DS}=50V	Q_a typ(nC) @ V_{GS}=10V	Price Each 1	10	100	500	Reel Qty.	Price
522-BS107P	BS107P	E-Line	200	0.12	0.5	23 @ 2.6V	30 @ 5V	58	2.7	.72	.59	.50	.43	- - -	- -
522-ZVN2120A	ZVN2120A	E-Line	200	0.18	0.7	- - -	10	58	2.2	.85	.70	.55	.39	- - -	- -
◆ 522-ZVN2120GTA	ZVN2120G	SOT223	200	0.32	2	- - -	10	58	2.2	.85	.70	.55	.39	2000	.3
◆ 522-ZVN3320FTA	ZVN3320F	SOT23	200	0.06	0.33	- - -	25	- - -	- - -	.55	.40	.31	.25	3000	.1
522-ZVN0124A	ZVN0124A	E-Line	240	0.16	0.7	- - -	16	62	1.4	.74	.60	.51	.44	- - -	- -
522-ZVN4424A	ZVN4424A	E-Line	240	0.26	0.75	6	5.5	100	18	1.13	.90	.72	.55	- - -	- -
◆ 522-ZVN4424GTA	ZVN4424G	SOT223	240	0.5	2.5	6	5.5	100	18	1.49	1.20	.95	.72	1000	.6
522-ZVN4424ZTA	ZVN4424ZTA	SOT89	240	0.26	0.75	6	5.5	100	18	1.04	.79	.54	.48	1000	.4
◆ 522-ZVN4525E6TA	ZVN4525E6	SOT23-6	250	0.23	1.1	9.5 @ 2.4V	8.5	72	2.5	.99	.70	.55	.45	3000	.3
◆ 522-ZVN4525GTA	ZVN4525G	SOT223	250	0.31	2	9.5 @ 2.4V	8.5	72	2.5	.99	.70	.55	.45	2000	.3
522-ZVN0545A	ZVN0545A	E-Line	450	0.09	0.7	- - -	50	55	- - -	1.25	.99	.80	.68	- - -	- -
◆ 522-ZVN0545GTA	ZVN0545G	SOT223	450	0.14	2	- - -	50	55	- - -	1.25	.99	.80	.65	1000	.5

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annel MOSFETs

SS = 20V

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} V	I_D A	P_D W	$R_{DS(on)}$ Max (Ω) @ V_{GS}=-2.5V	$R_{DS(on)}$ Max (Ω) @ V_{GS}=-4.5V	C_{ISS} typ(pF) @ V_{DS}=-10V	Q_a typ(nC) @ V_{GS}=-4.5V	Price Each 1	10	100	500	Reel Qty.	Price Ea.
-ZXM61P02FTA	ZXM61P02F	SOT23	-20	-0.9	0.8	0.9 @ 2.7V	0.6	160	2.7	.55	.42	.32	.25	3000	.16
-ZXM62P02E6TA	ZXM62P02E6	SOT23-6	-20	-2.3	1.7	0.375 @ 2.7V	0.2	340	4.6	.90	.72	.53	.45	3000	.33
-ZXM66P02N8TA	ZXM66P02N8	S08	-20	-8	2.5	0.045	0.025	2100	43.3	2.26	1.84	1.56	1.35	500	1.35
-ZXMD65P02N8TA	ZXMD65P02N8	SO8 (dual)	-20	-5.1	2	0.08	0.05	970	20	2.85	2.25	1.75	1.40	500	1.40

SS from 30 to 50V

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} V	I_D A	P_D W	$R_{DS(on)}$ Max (Ω) @ V_{GS}=-4.5V	$R_{DS(on)}$ Max (Ω) @ V_{GS}=-10V	C_{ISS} typ(pF) @ V_{DS}=-15V	Q_a typ(nC) @ V_{GS}=-10V	Price Each 1	10	100	500	Reel Qty.	Price Ea.
-BSS84TA	BSS84	SOT23	-50	-0.13	0.36	10 @ 5V	---	---	---	.40	.32	.25	.19	3000	.14
-ZVP4105A	ZVP4105A	E-Line	-50	-0.18	0.625	10 @ 5V	---	---	---	.99	.75	.60	.49	---	---
-BS250FTA	BS250F	SOT23	-45	-0.09	0.33	---	14	30	0.75	.65	.52	.41	.35	3000	.29
-BS250P	BS250P	E-Line	-45	-0.23	0.7	---	14	60	1.6	.65	.52	.41	.35	---	---
-ZXMP4A16GTA	ZXMP4A16G	SOT223	-40	-6.4	3.9	0.1	0.06	1010	26.1	1.49	1.12	.85	.60	1000	.50
-ZXM64P035GTA	ZXM64P035G	SOT223	-35	-5.3	3.9	0.105	0.075	875	37	1.99	1.50	1.13	.92	1000	.80
-ZXM61P03FTA	ZXM61P03F	SOT23	-30	-1.1	0.8	0.55	0.35	145	3.7	.55	.42	.32	.25	3000	.16
-ZXM62P03E6TA	ZXM62P03E6	SOT23-6	-30	-2.6	1.7	0.23	0.15	350	8	.90	.72	.53	.45	3000	.33
-ZXMP3A13FTA	ZXMP3A13F	SOT23	-30	-1.6	0.8	0.33	0.21	204	5.2	.59	.45	.32	.25	3000	.16
-ZXMP3A16DN8TA	ZXMP3A16DN8	SO8 (dual)	-30	-5.5	2.1	0.07	0.045	970	24.9	1.99	1.35	.99	.75	1000	.65
-ZXMP3A16N8TA	ZXMP3A16N8	SO8	-30	-6.7	2.5	0.07	0.04	970	24.9	1.39	1.05	.72	.61	1000	.55
-ZXMP3A17DN8TA	ZXMP3A17DN8	SO8 (dual)	-30	-4.4	2.1	0.11	0.07	630	15.8	1.79	1.25	.95	.75	1000	.65
-ZXMP3A17E6TA	ZXMP3A17E6	SOT23-6	-30	-4	1.7	0.11	0.07	630	15.8	.99	.75	.45	.35	3000	.25

SS = 60V

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} V	I_D A	P_D W	$R_{DS(on)}$ Max (Ω) @ V_{GS}=-4.5V	$R_{DS(on)}$ Max (Ω) @ V_{GS}=-10V	C_{ISS} typ(pF) @ V_{DS}=-30V	Q_a typ(nC) @ V_{GS}=-10V	Price Each 1	10	100	500	Reel Qty.	Price Ea.
-ZVP2106A	ZVP2106A	E-Line	-60	-0.28	0.7	---	5	55	1.7	.99	.75	.60	.49	---	---
-ZVP2106GTA	ZVP2106G	SOT223	-60	-0.45	2	---	5	55	1.7	.99	.75	.60	.49	2000	.37
-ZVP3306A	ZVP3306A	E-Line	-60	-0.16	0.625	---	14	27	0.9	.69	.55	.39	.30	---	---
-ZVP3306FTA	ZVP3306F	SOT23	-60	-0.09	0.33	---	14	27	0.9	.69	.55	.39	.30	3000	.22

SS from 80 to 100V

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} V	I_D A	P_D W	$R_{DS(on)}$ Max (Ω) @ V_{GS}=-4.5V	$R_{DS(on)}$ Max (Ω) @ V_{GS}=-10V	C_{ISS} typ(pF) @ V_{DS}=-50V	Q_a typ(nC) @ V_{GS}=-10V	Price Each 1	10	100	500	Reel Qty.	Price Ea.
-ZVP2110A	ZVP2110A	E-Line	-100	-0.14	0.7	---	8	58	1.8	.99	.75	.60	.49	---	---
-ZVP2110GTA	ZVP2110G	SOT223	-100	-0.31	2	---	8	58	1.8	.99	.75	.60	.49	2000	.37
-ZVP3310A	ZVP3310A	E-Line	-100	-0.14	0.625	---	20	20	0.7	.69	.55	.39	.30	---	---
-ZVP3310FTA	ZVP3310F	SOT23	-100	-0.075	0.33	---	20	20	0.7	.69	.55	.39	.30	3000	.22

SS from 150-450V

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} V	I_D A	P_D W	$R_{DS(on)}$ Max (Ω) @ V_{GS}=-3.5V	$R_{DS(on)}$ Max (Ω) @ V_{GS}=-10V	C_{ISS} typ(pF) @ V_{DS}=-50V	Q_a typ(nC) @ V_{GS}=-10V	Price Each 1	10	100	500	Reel Qty.	Price Ea.
-ZVP0545A	ZVP0545A	E-Line	-450	-0.045	0.7	---	150	---	---	1.55	1.20	.95	.68	---	---
-ZVP0545GTA	ZVP0545G	SOT223	-450	-0.075	2	---	150	---	---	1.40	1.15	.90	.68	1,000	.60
-ZVP4525E6TA	ZVP4525E6	SOT23-6	-250	-0.197	1.1	18	14	75	2.5	.89	.63	.51	.44	3,000	.34
-ZVP4525GTA	ZVP4525G	SOT223	-250	-0.265	2	18	14	75	2.5	.89	.63	.51	.44	2,000	.35
-ZVP4424A	ZVP4424A	E-Line	-240	-0.2	0.75	11	9	100	3.7	1.10	.95	.78	.60	---	---
-ZVP4424GTA	ZVP4424G	SOT223	-240	-0.48	2.5	11	9	100	3.7	1.10	.95	.78	.64	1,000	.52
-ZVP1320FTA	ZVP1320F	SOT23	-200	-0.035	0.33	---	80	28	2	.46	.37	.32	.27	3,000	.19
-ZVP2120A	ZVP2120A	E-Line	-200	-0.12	0.7	---	25	65	1.6	.99	.75	.60	.49	---	---
-ZVP2120GTA	ZVP2120G	SOT223	-200	-0.3	2	---	25	65	1.6	.69	.56	.48	.41	2,000	.30
-ZXM62P03GTA	ZXM62P03G	SOT223	-30	-4	3.9	0.23	0.15	332	10.2	.90	.72	.53	.45	1,000	.39

Channel MOSFETs

SS = 30V

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} V	I_D A	P_D W	$R_{DS(on)}$ Max (Ω) @ V_{GS}=-4.5V	$R_{DS(on)}$ Max (Ω) @ V_{GS}=-10V	C_{ISS} typ(pF) @ V_{DS}=-50V	Q_a typ(nC) @ V_{GS}=-10V	Price Each 1	10	100	500	Reel Qty.	Price Ea.
-ZXMC3A16DN8TA	ZXMC3A16DN8	SO8 (dual)	30	7.6	2.1	0.05	0.035	796	17.5	1.19	.99	.85	.74	500	.74
			-30	-6.3	2.1	0.07	0.048	970	24.9						
-ZXMC3A17DN8	ZXMC3A17DN8	SO8 (dual)	30	5.4	2.1	0.065	0.05	600	12.2	1.09	.89	.75	.64	500	.64
			-30	-4.4	2.1	0.11	0.07	630	15.8						

BOURNS Thyristor Surge Protectors

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Reliable Electronic Solutions

BOURNS TISP THYRISTOR OVERVOLTAGE PROTECTORS

Continuing to provide the most complete solutions to your circuit protection needs, Bourns recently introduced the TISP® line of products. The TISP® products are specially designed to provide protection for telecommunications equipment in instances where high voltages occur as a result of lightning strikes, power line crosses or a/c power surges. Coupled with Bourns' Multifuse® PPTC overcurrent protectors and Bourns, Line Protection Networks, the TISP® products offer telecom customers a more comprehensive total protection product line.

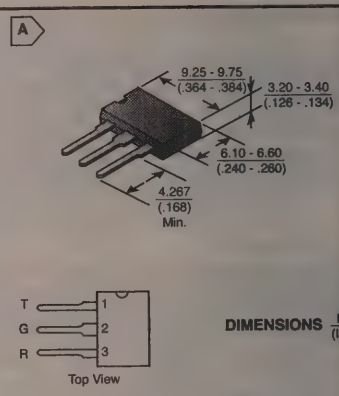
Dual Bidirectional Thyristor Surge Protector

LEAD-FREE

This TISP® device series protects central office, access and customer premise equipment against overvoltages on the telecom line. These devices are housed in a through-hole-3-pin single-in-line (SL) plastic package.

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Standoff Voltage V_{DRM} (V)	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards: GR-1089-CORE 2/10 µs (A)	ANSI C62.41 8/20 µs (A)	ITU-T K.20/45/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	Price Each: 1	100	500	1000
652—TISP3080H3SL-S		A	65	80	500	300	200	100	3.60	3.00	2.40	2.10
652—TISP3082F3SL-S		A	66	82	80	70	50	35	2.00	1.80	1.05	.96
652—TISP3350H3SL-S		A	275	350	500	300	200	100	3.60	3.00	2.40	2.10

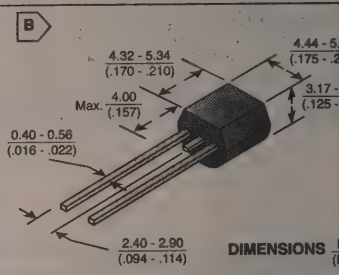


Bidirectional Thyristor Surge Protector

This TISP® device series protects central office, access and customer premise equipment against overvoltages on the telecom line. These devices are housed in a through-hole DO-92 package (TO-92 package with cropped center leg).

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Standoff Voltage V_{DRM} (V)	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards: GR-1089-CORE 2/10 µs (A)	ANSI C62.41 8/20 µs (A)	ITU-T K.20/45/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	Price Each: 1	100	500	1000
652—TISP4070M3LM-S		B	58	70	300	220	100	50	1.69	1.56	1.30	1.04
652—TISP4080M3LM-S		B	65	80	300	220	100	50	1.69	1.56	1.30	1.04
652—TISP4350M3LM-S		B	275	350	300	220	100	50	1.69	1.56	1.30	1.04
652—TISP4070H3LM-S		B	58	70	500	300	200	100	1.89	1.74	1.45	1.16
652—TISP4080H3LM-S		B	65	80	500	300	200	100	1.89	1.74	1.45	1.16
652—TISP4350H3LM-S		B	275	350	500	300	200	100	1.89	1.74	1.45	1.16



Quad-Forward-Conducting Buffered P-Gate Thyristor

This small-outline package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

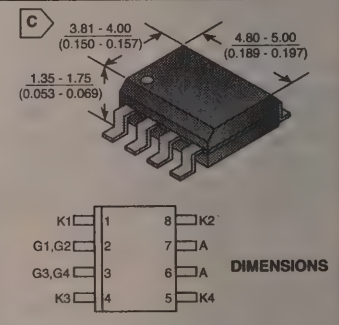
Independent Overvoltage Protection for Two SLICs in Short Loop Applications:

- Wide 0 to -90 V Programming Range
- Low 5 mA max. Gate Triggering Current
- High 150 mA min. (85°C) Holding Current
- Specified 1.2/50 & 0.5/700 Limiting Voltage
- Full -40°C to 85°C Temperature Range

LEAD-FREE

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards: GR-1089-CORE 2/10 µs (A)	ANSI C62.41 8/20 µs (A)	ITU-T K.20/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	Price Each: 1	100	500	1000
652—TISP6NTP2ADR-S		C	0 to -90	85	75	25	20	2.34	2.10	1.12	1.05



Very Low Voltage Bidirectional Thyristor Overvoltage Protectors

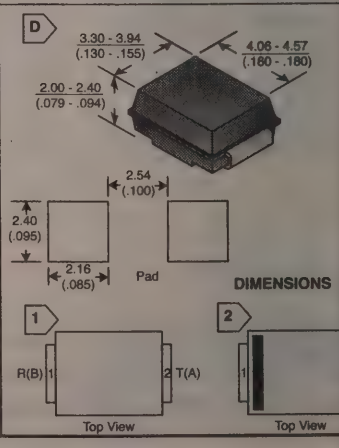
This surface mount package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

LEAD-FREE

For quantities of 3,000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Standoff Voltage $V_{(BO)}$ (V)	Protect. Voltage $V_{(BO)}$ (V)	Holding Current $I_{H(mA)}$	I_{PPSM} Ratings for Lighting Surge Standards: GR-1089-CORE 2/10 µs (A)	TIA/EIA-IS-968 10/560 µs (A)	ITU-T K.20/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	Price Each: 1	100	500	1000
652—TISP4015H1BJR-S		D1	8	15	50	500	125	150	100	.95	.81	.68	.54
652—TISP4040H1BJR-S		D1	25	40	50	500	125	150	100	.95	.81	.68	.54

NOTES: A. Leads are within 0.25 (0.010) radius of true positi
at maximum material condition.
B. Body dimensions do not include mold flash or protrusion.
C. Mold flash or protrusion shall not exceed 0.15 (0.0
D. Lead tips to be planar within ±0.051 (0.002).



Forward-Conducting Unidirectional Thyristor Overvoltage Protectors

This surface mount package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

LEAD-FREE

For quantities of 3,000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Standoff Voltage $V_{(BO)}$ (V)	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards: GR-1089-CORE 2/10 µs (A)	ANSI C62.41 8/20 µs (A)	TIA/EIA-IS-968 10/560 µs (A)	ITU-T K.20/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	Price Each: 1	100	500	1000
652—TISP5070H3BJR-S		D2	65	-70	500	300	160	200	100	1.69	1.56	1.30	1.04
652—TISP5080H3BJR-S		D2	65	-80	500	300	160	200	100	1.69	1.56	1.30	1.04

BOURNS Thyristor Surge Protectors

BOURNS®
Reliable Electronic Solutions

OURNS TISP THYRISTOR OVERVOLTAGE PROTECTORS

tinuing to provide the most complete solutions to your circuit protection needs, Bourns recently introduced the TISP® line of products. The TISP® products are cially designed to provide protection for telecommunications equipment in instances where high voltages occur as a result of lightning strikes, power line crosses /c power surges. Coupled with Bourns' Multifuse® PPTC overcurrent protectors and Bourns, Line Protection Networks, the TISP® products offer telecom tomers a more comprehensive total protection product line.

directional Thyristor Overvoltage Protectors

surface mount package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand dering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads ire no additional cleaning or processing when used in soldered assembly.

LEAD-FREE

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Standoff Voltage $V_{(BO)}$ (V)	Protect. Voltage $V_{(BO)}$ (V)	Holding Current $I_{H(mA)}$	I_{PPSM} Ratings for Lighting Surge Standards: GR-1089-CORE 2/10 µs (A)	TIA/EIA-IS-968 10/560 µs (A)	ITU-T K.20/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	Price Each: 1	100	500	1000
2—TISP4145H3BJR-S	A	120	145	150	500	160	200	100	2.00	1.85	1.54	1.23
2—TISP4395H3BJR-S	A	320	395	150	500	160	200	100	2.00	1.85	1.54	1.23
2—TISP4C180H3BJR-S	A	145	150	150	150	100	100	150	2.00	1.85	1.54	1.23
2—TISP4C290H3BJR-S	A	220	150	150	150	100	150	150	2.00	1.85	1.54	1.23
2—TISP4C350H3BJR-S	A	275	150	150	150	100	150	150	2.00	1.85	1.54	1.23
2—TISP4C395H3BJR-S	A	320	150	150	150	100	150	150	2.00	1.85	1.54	1.23

dium and High-Voltage Triple Element Bidirectional Thyristor Overvoltage Protectors

small-outline package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand ering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads ire no additional cleaning or processing when used in soldered assembly.

TISP7xxxF3 series are 3-point overvoltage protectors designed for protecting against metallic (differential mode) and simultaneous longitudinal mon mode) surges. Each terminal pair as the same voltage limiting values and surge current capability. This terminal pair surge capability ensures the protector can meet the simultaneous longitudinal surge requirement which is typically twice the metallic surge requirrment.

LEAD-FREE

For quantities of 2,000 and up, call for quote.

OUSER STOCK NO. / Mfr. Part No.	Fig.	Standoff Voltage V_{DRM} (V)	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards: GR-1089-CORE 2/10 µs (A)	ANSI C62.41 8/20 µs (A)	ITU-T K.20/45/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	Price Each: 1	100	500	1000
2—TISP7125F3SL-S	B	100	125	190	175	70	45	3.60	3.00	2.40	2.10
2—TISP7290F3SL-S	B	220	290	190	175	70	45	3.60	3.00	2.40	2.10
2—TISP7350F3SL-S	B	275	350	190	175	70	45	3.60	3.00	2.40	2.10

ble Element Bidirectional Thyristor Overvoltage Protectors

single-in-line package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand ering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads ire no additional cleaning or processing when used in soldered assembly.

LEAD-FREE

For quantities of 2,000 and up, call for quote.

OUSER STOCK NO. / Mfr. Part No.	Fig.	Standoff Voltage V_{DRM} (V)	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards: GR-1089-CORE 2/10 µs (A)	ANSI C62.41 8/20 µs (A)	ITU-T K.20/45/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	Price Each: 1	100	500	1000
2—TISP7290H3SL-S	B	230	290	500	350	200	100	4.39	4.05	3.38	2.70
2—TISP7350H3SL-S	B	275	350	500	350	200	100	4.39	4.05	3.38	2.70

al Forward-Conducting P-Gate Thyristor Programmable Overvoltage Protectors

small-outline package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand ring temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads re no additional cleaning or processing when used in soldered assembly.

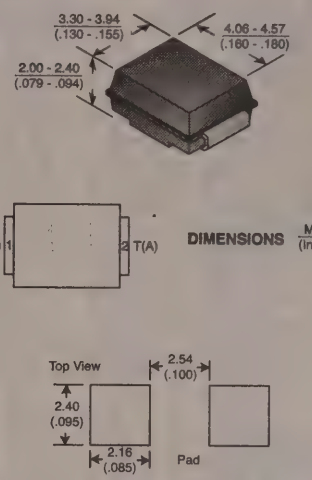
TISP61089B is a dual forward-conducting buffered p-gate thyristor (SCR) overvoltage protector. It is designed to protect monolithic SLICs scriber Line Interface Circuits) against overvoltages on the telephone line caused by lightning, a.c. power contact and induction. The TISP61089B voltages that exceed the SLIC supply rail voltage. The TISP61089B parameters are specified to allow equipment compliance with Bell core GR-CORE, Issue 2 and ITU-T recommendations K.20, K.21 and K.45.

LEAD-FREE

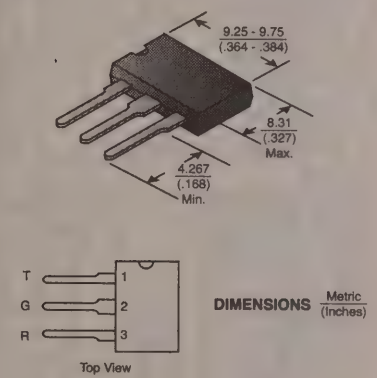
For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards: GR-1089-CORE 2/10 µs (A)	ANSI C62.41 8/20 µs (A)	ITU-T K.20/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	Price Each: 1	100	500	1000
2—TISP61089ADR-S	C	0 to -120	120	- - -	40	30	2.34	2.10	1.12	1.05
2—TISP61089BDR-S	C	0 to -170	120	- - -	40	30	2.10	1.80	.96	.90
2—TISP61089HDMR-S	C	0 to -170	- - -	150	100	- - -	5.75	5.09	3.07	2.88

A

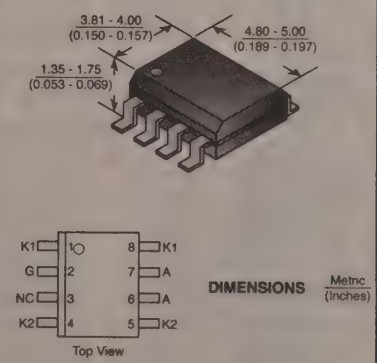


B



NOTES: A. Each pin centerline is located within 0.25 (0.010 of its true longitudinal position.
B. Body molding flash of up to 0.15 (0.006) may occur in the package lead plane.

C



NOTES: A. Leads are within 0.25 (0.010) radius of true position at maximum material condition.
B. Body dimensions do not include mold flash or protrusion.
C. Mold flash or protrusion shall not exceed 0.15 (0.006).
D. Lead tips to be planar within ±0.051 (0.002).

LITTELFUSE Teccor® Thyristors

Littelfuse

◆ Surface Mou

SIDACS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Pkg.	$I_{T(RMS)}$	V_{DRM}	VBO (V)		I_{DRM} Max.	I_{BO} Max.	I_H (mA)		V_{TM} (V)	I_{TSM} (A)		RS (kΩ)	Price Each		
Mfr. Mfr. Part No.		Amps	Volts	Min.	Max.	(μA)	(μA)	TYP.	Max.	Max.	60Hz	50Hz	Min.	1	10	100
576—K0900E70	TO-92	1	±70	79	97	5	10	60	150	1.5	20	16.7	0.1	.42	.37	.34
576—K0900G	DO-15X	1	±70	79	97	5	10	60	150	1.5	20	16.7	0.1	.44	.39	.35
◆576—K0900SRP	DO-214	1	±70	79	97	5	10	60	150	1.5	20	16.7	0.1	.46	.40	.37
576—K1050E70	TO-92	1	±90	95	113	5	10	60	150	1.5	20	16.7	0.1	.42	.37	.34
576—K1050G	DO-15X	1	±90	95	113	5	10	60	150	1.5	20	16.7	0.1	.44	.39	.35
◆576—K1050SRP	DO-214	1	±90	95	113	5	10	60	150	1.5	20	16.7	0.1	.46	.40	.37
576—K1100E70	TO-92	1	±90	104	118	5	10	60	150	1.5	20	16.7	0.1	.42	.37	.34
576—K1100G	DO-15X	1	±90	104	118	5	10	60	150	1.5	20	16.7	0.1	.44	.39	.35
◆576—K1100SRP	DO-214	1	±90	104	118	5	10	60	150	1.5	20	16.7	0.1	.46	.40	.37
576—K1200E70	TO-92	1	±90	110	125	5	10	60	150	1.5	20	16.7	0.1	.42	.37	.34
576—K1200G	DO-15X	1	±90	110	125	5	10	60	150	1.5	20	16.7	0.1	.44	.39	.35
◆576—K1200SRP	DO-214	1	±90	110	125	5	10	60	150	1.5	20	16.7	0.1	.46	.40	.37
576—K1300E70	TO-92	1	±90	120	138	5	10	60	150	1.5	20	16.7	0.1	.42	.37	.34
576—K1300G	DO-15X	1	±90	120	138	5	10	60	150	1.5	20	16.7	0.1	.44	.39	.35
◆576—K1300SRP	DO-214	1	±90	120	138	5	10	60	150	1.5	20	16.7	0.1	.46	.40	.37
576—K1400E70	TO-92	1	±90	130	146	5	10	60	150	1.5	20	16.7	0.1	.44	.39	.35
576—K1400G	DO-15X	1	±90	130	146	5	10	60	150	1.5	20	16.7	0.1	.48	.42	.38
◆576—K1400SRP	DO-214	1	±90	130	146	5	10	60	150	1.5	20	16.7	0.1	.50	.44	.40
576—K1500E70	TO-92	1	±90	140	170	5	10	60	150	1.5	20	16.7	0.1	.44	.39	.35
576—K1500G	DO-15X	1	±90	140	170	5	10	60	150	1.5	20	16.7	0.1	.48	.42	.38
◆576—K1500SRP	DO-214	1	±90	140	170	5	10	60	150	1.5	20	16.7	0.1	.50	.44	.40
576—K2000E70	TO-92	1	±180	190	215	5	10	60	150	1.5	20	16.7	0.1	.50	.44	.40
576—K2000F1	TO-202	1	±180	190	215	5	10	60	150	3	20	16.7	0.1	.71	.62	.57
576—K2000G	DO-15X	1	±180	190	215	5	10	60	150	1.5	20	16.7	0.1	.54	.47	.43
◆576—K2000SRP	DO-214	1	±180	190	215	5	10	60	150	1.5	20	16.7	0.1	.56	.49	.45
576—K2200E70	TO-92	1	±180	205	230	5	10	60	150	1.5	20	16.7	0.1	.50	.44	.40
576—K2200F1	TO-202	1	±180	205	230	5	10	60	150	3	20	16.7	0.1	.71	.62	.57
576—K2200G	DO-15X	1	±180	205	230	5	10	60	150	1.5	20	16.7	0.1	.54	.47	.43
◆576—K2200SRP	DO-214	1	±180	205	230	5	10	60	150	1.5	20	16.7	0.1	.56	.49	.45
576—K2400E70	TO-92	1	±190	220	250	5	10	60	150	1.5	20	16.7	0.1	.54	.47	.43
576—K2400F1	TO-202	1	±190	220	250	5	10	60	150	3	20	16.7	0.1	.75	.65	.60
576—K2400G	DO-15X	1	±190	220	250	5	10	60	150	1.5	20	16.7	0.1	.58	.50	.46
◆576—K2400SRP	DO-214	1	±190	220	250	5	10	60	150	1.5	20	16.7	0.1	.60	.52	.48
576—K2500E70	TO-92	1	±200	240	280	5	10	60	150	1.5	20	16.7	0.1	.54	.47	.43
576—K2500F1	TO-202	1	±200	240	280	5	10	60	150	3	20	16.7	0.1	.75	.65	.60
576—K2500G	DO-15X	1	±200	240	280	5	10	60	150	1.5	20	16.7	0.1	.58	.50	.46
◆576—K2500SRP	DO-214	1	±200	240	280	5	10	60	150	1.5	20	16.7	0.1	.60	.52	.48
576—K3000F1	TO-202	1	±200	270	330	5	10	60	150	3	20	16.7	0.1	.83	.72	.66

DIACS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pkg.	VBO (V)		ΔV_{BO} (V)	V_{BB} (V)	I_{BO} (μA)	I_{TRM} (A)	Dissipation (TA = -40 to +40°C)	Derate Above 40°C	Price Each		
Mfr. Mfr. Part No.		Min.	Max.	Max.	Min.	Max.	Max.	mW		1	10	100
576—HT32	DO-35	27	37	3	10	25	2	250	3.6	.17	.15	.13
576—ST32RP	DO-214	27	37	3	10	25	2	300	3	.31	.27	.25
576—HT32A	DO-35	28	36	2	7 at 10mA	25	2	250	3.6	.20	.17	.15
576—HT5761	DO-35	28	36	2	7 at 10mA	25	2	250	3.6	.20	.17	.15
576—HT32B	DO-35	30	34	2	7 at 10mA	25	2	250	3.6	.24	.21	.19
576—HT35	DO-35	30	40	3	10	25	2	250	3.6	.15	.13	.11
576—HT5761A	DO-35	30	34	2	7 at 10mA	25	2	250	3.6	.24	.21	.19
576—ST32BRP	DO-214	30	34	2	7 at 10mA	25	2	300	3	.42	.37	.34
576—ST35RP	DO-214	30	40	3	10	25	2	300	3	.27	.24	.22
576—HT34B	DO-35	32	36	2	10	25	2	250	3.6	.24	.21	.19
576—HT36A	DO-35	32	40	2	7 at 10mA	25	2	250	3.6	.20	.17	.15
576—HT5762	DO-35	32	40	2	7 at 10mA	25	2	250	3.6	.20	.17	.15
576—ST34BRP	DO-214	32	36	2	10	25	2	300	3	.42	.37	.34
576—ST36ARP	DO-214	32	40	2	7 at 10mA	25	2	300	3	.37	.32	.29
576—HT36B	DO-35	34	38	2	10	25	2	250	3.6	.24	.21	.19
576—ST36BRP	DO-214	34	38	2	10	25	2	300	3	.42	.37	.34
576—HT40	DO-35	35	45	3	10	25	2	250	3.6	.15	.13	.11
576—ST40RP	DO-214	35	45	3	10	25	2	300	3	.27	.24	.22
576—HT60	DO-35	56	70	4	20	25	1.5	250	3.6	.20	.17	.15

TRIACS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Pkg.	I_T (RMS)	V_{DRM}	I_{GT} (mA) Max.			TYP	I_{DRM} Max. (mA)			V_{TM} (V)	V_{GT} (V)	Watts		dv/dt (V/μs)		Price Each		
Mfr. Mfr. Part No.		Amps	Volts	Q1	Q2	Q3	Q4	TC=25°C	TC=100°C	TC=125°C	TC=25°C	TC=25°C	P_{GM}	$P_{G(AV)}$	TYP.	TC=25°C	1	10	100
◆576—Q6X3RP	Compak	0.8	600	10	10	10	25	0.02	0.5	1	1.6	2	10	0.2	1	25	.60	.52	.48
576—Q201E3	TO-92	1	200	10	10	10	25	0.02	0.5	1	1.6	2	10	0.2	1	40	.48	.42	.38
576—Q401E3	TO-92	1	400	10	10	10	25	0.02	0.5	1	1.6	2	10	0.2	1	40	.54	.47	.43
576—Q2004F31	TO-202	4	200	10	10	10	25	0.05	0.5	2	1.6	2	15	0.3	2	50	.65	.57	.52
576—Q2004F41	TO-202	4	200	25	25	25	50	0.05	0.5	2	1.6	2.5	15	0.3	2	100	.62	.54	.49
576—Q2004L3	TO-220	4	200	10	10	10	25	0.05	0.5	2	1.6	2	15	0.3	2	50	.83	.72	.66
◆576—Q4004D3RP	TO-252	4	400	10	10	10	25	0.05	0.5	2	1.6	2	15	0.3	2	50	.69	.60	.55
576—Q4004F31	TO-202	4	400	10	10	10	25	0.05	0.5	2	1.6	2	15	0.3	2	50	.71	.62	.57
576—Q4004F41	TO-202	4	400	25	25	25	50	0.05	0.5	2	1.6	2.5	15	0.3	2	100	.69	.60	.55
576—Q4004L3	TO-220	4	400	10	10	10	25	0.05	0.5	2	1.6	2	15	0.3	2	50	.90	.79	.72
576—Q4004L4	TO-220	4	400	25	25	25	50	0.05	0.5	2	1.6	2.5	15	0.3	2	100	.86	.75	.69
576—Q6004L3	TO-220	4	600	10	10	10	25	0.05	0.5	2	1.6	2	15	0.3	2	40	1.07	.94	.85
576—Q6004L4	TO-220	4	600	25	25	25	50	0.05	0.5	2	1.6	2.5	15	0.3	2	75	1.02	.89	.81
576—Q4006L4	TO-220	6	400	25	25	25	50	0.05	0.5	2	1.6	2.5	18	0.5	4	200	.98	.85	.78
576—Q6006L5	TO-220	6	600	50	50	50	75	0.05	0.5	2	1.6	2.5	18	0.5	4	150	1.11	.97	.88
576—Q6006R5	TO-220	6	600	50	50	50	75	0.05	0.5	2	1.6	2.5	18	0.5	4	150	1.02	.89	.81
576—Q2008R4	TO-220	8	200	25	25	25	50	0.05	0.5	2	1.6	2.5	20	0.5	4	250	.90	.79	.72
576—Q4008L4	TO-220	8	400	25	25	25	50	0.05	0.5	2	1.6	2.5	20	0.5	4	250	1.07	.94	.85
576—Q4008R4	TO-220	8	400	25	25	25	50	0.05	0.5	2	1.6	2.5	20	0.5	4	250	.98	.85	.78
576—Q6008L5	TO-220	8	600	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	220	1.19	1.04	.94
576—Q6008R5	TO-220	8	600	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	220	1.09	.95	.87

TO-92

DO-15X

TO-214

TO-202

DO-35

Compak

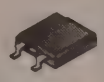
MOUSER a ttl company (800) 346-6873

IIACS (CONT.)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Pkg.	I_T (RMS)	V_{DRM}	I_{GT} (mA) Max.			TYP.	I_{DRM} Max. (mA)			V_{TM} (V)	V_{GT} (V)	Watts		dv/dt (V/µs)		Price Each	
		Amps	Volts	Q1	Q2	Q3	Q4	TC=25°C	TC=100°C	TC=125°C	TC=25°C	TC=25°C	P_{GM}	$P_{G(AV)}$	TYP.	TC=25°C	1	10
76—Q2010L5	TO-220	10	200	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	350	1.05	.92
76—Q2010R5	TO-220	10	200	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	350	1.05	.92
76—Q4010L5	TO-220	10	400	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	350	.98	.85
76—Q4010R5	TO-220	10	400	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	350	1.17	1.02
76—Q6010L5	TO-220	10	600	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	350	1.07	.94
76—Q6010R5	TO-220	10	600	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	300	1.38	1.20
76—Q8010L5	TO-220	10	800	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	300	1.26	1.10
76—Q2015L5	TO-220	15	200	50	50	50	-	0.1	0.5	2	1.6	2.5	20	0.5	4	250	1.59	1.39
76—Q2015R5	TO-220	15	200	50	50	50	-	0.05	0.5	2	1.6	2.5	20	0.5	4	400	1.26	1.10
76—Q4015L5	TO-220	15	400	50	50	50	-	0.05	0.5	2	1.6	2.5	20	0.5	4	400	1.17	1.02
76—Q4015R5	TO-220	15	400	50	50	50	-	0.05	0.5	2	1.6	2.5	20	0.5	4	400	1.40	1.22
76—Q6015L5	TO-220	15	600	50	50	50	-	0.05	0.5	2	1.6	2.5	20	0.5	4	400	1.28	1.12
76—Q6015R5	TO-220	15	600	50	50	50	-	0.05	0.5	2	1.6	2.5	20	0.5	4	350	1.64	1.43
76—Q8015L5	TO-220	15	800	50	50	50	-	0.1	1	3	1.6	2.5	20	0.5	4	350	1.53	1.33
76—Q4025N5RP	TO-263	25	400	50	50	50	-	0.1	1	3	1.6	2.5	20	0.5	4	300	1.91	1.67
76—Q4025R5	TO-220	25	400	50	50	50	-	0.1	1	3	1.8	2.5	20	0.5	5	400	1.84	1.60
76—Q4025R5	TO-263	25	600	50	50	50	-	0.1	1	3	1.8	2.5	20	0.5	5	400	1.64	1.43
76—Q6025P5	TO-3	25	600	50	50	50		0.1	0	5	1.4	0.2	20	0.5	5	550	6.60	5.75
76—Q6025R5	TO-220	25	600	50	50	50	-	0.1	1	3	1.8	2.5	20	0.5	5	350	1.95	1.70
76—Q8035P5	TO-3	35	800	50	50	50	120	0.1	5	3	1.5	2.75	20	0.5	5	550	8.03	7.00

TO-220



TO-263

TERNISTOR TRIACS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Pkg.	I_T (RMS)	V_{DRM}	I_{GT} (mA) Max.			I_{DRM} Max. (mA)			V_{TM} (V)	V_{GT} (V)	Watts		dv/dt (V/µs)		Price Each	
		Amps	Volts	Q1	Q2	Q3	TC=25°C	TC=100°C	TC=125°C	TC=25°C	TC=25°C	P_{GM}	$P_{G(AV)}$	TYP.	TC=100°C	1	10
—Q4025K6	TO-218	25	400	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	875	4.03	3.51
—Q6025K6	TO-218	25	600	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	800	4.46	3.89
—Q4040K7	TO-218	40	400	100	100	100	0.2	2	5	1.8	2.5	40	0.8	50	1100	5.38	4.69
—Q6040K7	TO-218	40	600	100	100	100	0.2	2	5	1.8	2.5	40	0.8	50	1000	5.95	5.19
—Q6006LH4	TO-220	6	600	35	35	35	0.01	0.5	2	1.6	1.3	18	0.5	25	425	1.17	1.02
—Q8010LH5	TO-220	10	800	50	50	50	0.01	0.5	2	1.6	1.3	20	0.5	30	650	1.49	1.30
—Q4012LH5	TO-220	12	400	50	50	50	0.01	0.5	2	1.6	1.3	20	0.5	30	1000	1.25	1.09
—Q8016LH4	TO-220	16	800	35	35	35	0.1	1	3	1.6	2	20	0.5	25	425	1.95	1.70
—Q2025L6	TO-220	25	200	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	875	1.87	1.63
—Q4025L6	TO-220	25	400	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	875	2.06	1.80
—Q6025L6	TO-220	25	600	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	800	2.29	2.00
—Q6025R6	TO-220	25	600	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	800	2.06	1.80
—Q8025L6	TO-220	25	800	80	80	80	0.1	1	3	1.8	2.5	20	0.5	30	700	2.73	2.38
—Q4025J6	TO-218X	25	400	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	875	4.45	3.87
—Q8025J6	TO-218X	25	800	80	80	80	0.1	1	3	1.8	2.5	20	0.5	30	700	5.86	5.10
—Q4030LH5	TO0220	30	400	50	50	50	0.05	0	2	1.4	2	20	0.5	20	600	2.29	2.00
—Q4040J7	TO-218X	40	400	100	100	100	0.2	2	5	1.8	2.5	40	0.8	50	1100	5.93	5.17
—Q8040J7	TO-218X	40	800	100	100	100	0.2	2	5	1.8	2.5	40	0.8	50	900	7.82	6.81

TO-3

TO-218

NSITIVE TRIACS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Pkg.	I_T (RMS)	V_{DRM}	I_{GT} (mA) Max.				I_{DRM} Max. (mA)		V_{TM} (V)	V_{GT} (V)	Watts		I_{TSM} Amps	dv/dt (V/µs)		Price Each	
		Amps	Volts	Q1	Q2	Q3	Q4	TC=25°C	TC=110°C	TC=25°C	TC=25°C	P_{GM}	$P_{G(AV)}$	60/50Hz	TYP.	TC=100°C	1	10
6—L2X3RP	Compak	0.8	200	3	3	3	3	0.01	0.1	1.6	2	10	0.2	10/8.3	0.5	20	.58	.50
6—L201E3	TO-92	1	200	3	3	3	3	0.01	0.1	1.6	2	10	0.2	20/16.7	0.5	20	.56	.49
6—L601E3	TO-92	1	600	3	3	3	3	0.01	0.1	1.6	2	10	0.2	20/16.7	0.5	10	.67	.59
6—L2004F31	TO-202	4	200	3	3	3	3	0.01	0.2	1.6	2	15	0.3	40/33	0.5	25	.79	.69
6—L2004F51	TO-202	4	200	5	5	5	5	0.01	0.2	1.6	2	15	0.3	40/33	1	25	.75	.65
6—L2004L3	TO-220	4	200	3	3	3	3	0.01	0.2	1.6	2	15	0.3	40/33	0.5	25	1.00	.87
6—L4004F31	TO-202	4	400	3	3	3	3	0.01	0.2	1.6	2	15	0.3	40/33	0	25	.83	.72
6—L4004F51	TO-202	4	400	5	5	5	5	0.01	0.2	1.6	2	15	0.3	40/33	1	25	.79	.69
6—L4004L3	TO-220	4	400	3	3	3	3	0.01	0.2	1.6	2	15	0.3	40/33	0.5	25	1.03	.90
6—L6004F31	TO-202	4	600	3	3	3	3	0.01	0.2	1.6	2	15	0.3	40/33	0.5	15	.94	.82
6—L6004F51	TO-202	4	600	5	5	5	5	0.01	0.2	1.6	2	15	0.3	40/33	1	15	.90	.79
6—L6004L3	TO-220	4	600	3	3	3	3	0.01	0.2	1.6	2	15	0.3	40/33	0.5	15	1.19	1.04
6—L6008L6	TO-220	8	600	5	5	5	10	0.02	0.5	1.6	2	18	0.4	80/65	2	20	1.28	1.12

TO-218X

Compak

ADRACS

For quantities of 250 and up, call for quote.

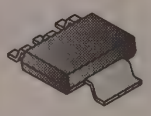
MOUSER STOCK NO. / Mfr. Part No.	Pkg.	I_T (RMS)	V_{DRM}	I_{DRM} Max. (mA)			V_{TM} (V)	ΔV_{BO} (V)	V_{BO} (V)		$\Delta V \pm$ (V)	I_{BO} (µA)	C_T (µF)	I_{TSM} Amps	dv/dt (V/µs)		Price Each	
		Amps	Volts	TC=25°C	TC=100°C	TC=125°C	TC=25°C	TC=25°C	Min.	Max.	Min.	Max	Max	60/50Hz	TYP	TC=100°C	1	10
—Q2004LT	TO-220	4	200	0.05	0.5	2	1.6	3	33	43	5	25	0.1	55/46	3	75	.92	.80
—Q4004LT	TO-220	4	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	55/46	3	75	1.00	.87
—Q6004LT	TO-220	4	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	55/46	3	50	1.19	1.04
—Q2006LT	TO-220	6	200	0.05	0.5	2	1.6	3	33	43	5	25	0.1	80/65	4	150	1.02	.89
—Q4006LT	TO-220	6	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	80/65	4	150	1.11	.97
—Q6006LT	TO-220	6	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	80/65	4	125	1.32	1.15
—Q4006LTH	TO-220	6	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	80/65	25	575	1.15	1.00
—Q6006LTH	TO-220	6	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	80/65	25	425	1.36	1.19
—Q2006LT	TO-220	8	200	0.05	0.5	2	1.6	3	33	43	5	25	0.1	100/83	4	175	1.11	.97
—Q4006LT	TO-220	8	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	100/83	4	175	1.21	1.05
—Q6006LT	TO-220	8	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	100/83	4	150	1.44	1.25
—Q4006LTH	TO-220	8	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	100/83	25	575	1.25	1.09
—Q6006LTH	TO-220	8	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	100/83	25	425	1.47	1.29
—Q2010LT	TO-220	10	200	0.05	0.5	2	1.6	3	33	43	5	25	0.1	120/100	4	200	1.19	1.04
—Q4010LT	TO-220	10	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	120/100	4	200	1.32	1.15
—Q6010LT	TO-220	10	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	120/100	4	175	1.55	1.35
—Q4010LTH	TO-220	10	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	120/100	30	925	1.36	1.19
—Q6010LTH	TO-220	10	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	120/100	30	775	1.59	1.39
—Q2015LT	TO-220	15	200	0.05	0.5	2	1.6	3	33	43	5	25	0.1	200/167	4	300	1.36	1.19
—Q4015LT	TO-220	15	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	200/167	4	300	1.49	1.30
—Q6015LT	TO-220	15	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	200/167	4	200	1.78	1.55
—Q4015LTH	TO-220	15	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	200/167	30	925	1.55	1.35
—Q6015LTH	TO-220	15	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	200/167	30	775	1.82	1.58

TO-92

TO-202

STMICROELECTRONICS Triacs

STMicroelectro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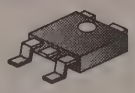
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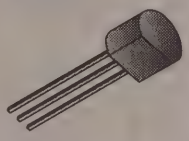
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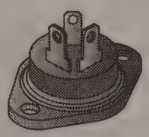
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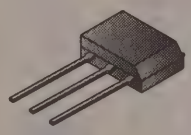
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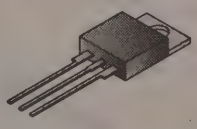
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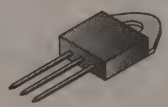

TO-3P

NON-SENSITIVE GATE TRIACS

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case
N = Non-Isolated Case

For quantities of 1000 and up, call for

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	ITRMS Max. (A)	VDRM Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	PG (AV) (W)	tgt Typ. (µSec)	Price Each 1	Price Each 100	Price Each 5
Thru-Hole													
511-BTA04-700S	BTA04-700SRG	TO-220AB	I	4.0	700	10	0.01	1.65	1.0	2.0	.84	.71	
511-BTA06-400C	BTA06-400CRG	TO-220AB	I	6.0	400	25	0.01	1.65	1.0	2.0	.80	.68	
511-BTA06-400B	BTA06-400BRG	TO-220AB	I	6.0	400	50	0.01	1.65	1.0	2.0	.80	.68	
511-BTA06-600C	BTA06-600CRG	TO-220AB	I	6.0	600	25	0.01	1.65	1.0	2.0	.94	.80	
511-BTA06-600B	BTA06-600BRG	TO-220AB	I	6.0	600	50	0.01	1.65	1.0	2.0	.94	.80	
511-BTB06-600C	BTB06-600CRG	TO-220AB	N	6.0	600	25	0.01	1.65	1.0	2.0	.78	.66	
511-BTA06-800C	BTA06-800CRG	TO-220AB	I	6.0	800	25	0.01	1.65	1.0	2.0	.90	.77	
511-BTA08-400B	BTA08-400BRG	TO-220AB	I	8.0	400	50	0.01	1.75	1.0	2.0	.80	.68	
511-BTB08-400C	BTB08-400CRG	TO-220AB	N	8.0	400	25	0.01	1.75	1.0	2.0	.76	.65	
511-BTB08-400B	BTB08-400BRG	TO-220AB	N	8.0	400	50	0.005	1.55	1.0	2.0	.76	.65	
511-BTA08-600C	BTA08-600CRG	TO-220AB	I	8.0	600	25	0.01	1.75	1.0	2.0	.94	.80	
511-BTB08-600B	BTB08-600BRG	TO-220AB	N	8.0	600	50	0.01	1.75	1.0	2.0	.80	.68	
511-BTA08-700C	BTA08-700CRG	TO-220AB	I	8.0	700	25	0.01	1.75	1.0	2.0	1.36	1.16	1
511-BTA08-700B	BTA08-700BRG	TO-220AB	I	8.0	700	50	0.01	1.75	1.0	2.0	.84	.71	
511-BTA10-400C	BTA10-400CRG	TO-220AB	I	10.0	400	25	0.01	1.50	1.0	2.0	.88	.75	
511-BTA10-400B	BTA10-400BRG	TO-220AB	I	10.0	400	50	0.01	1.50	1.0	2.0	.86	.73	
511-BTA10-600C	BTA10-600CRG	TO-220AB	I	10.0	600	25	0.01	1.50	1.0	2.0	1.08	.92	
511-BTA10-600B	BTA10-600BRG	TO-220AB	I	10.0	600	50	0.01	1.50	1.0	2.0	1.08	.92	
511-BTA10-700B	BTA10-700BRG	TO-220AB	I	10.0	700	50	0.01	1.50	1.0	2.0	.80	.68	
511-BTA12-400B	BTA12-400B	TO-220AB	I	12.0	400	50	0.01	1.50	1.0	2.0	.98	.83	
511-BTA12-600B	BTA12-600BRG	TO-220AB	I	12.0	600	50	0.01	1.50	1.0	2.0	1.06	.90	
511-BTB12-600B	BTB12-600BRG	TO-220AB	N	12.0	600	50	0.01	1.50	1.0	2.0	.94	.80	
511-BTA12-700B	BTA12-700BRG	TO-220AB	I	12.0	700	50	0.01	1.50	1.0	2.0	1.10	.94	
511-BTB12-800B	BTB12-800BRG	TO-220AB	N	12.0	800	100	0.005	1.55	1.0	2.0	1.08	.92	
511-BTA16-400B	BTA16-400BRG	TO-220AB	I	16.0	400	50	0.01	1.60	1.0	2.0	1.26	1.07	
511-BTA16-600B	BTA16-600BRG	TO-220AB	I	16.0	600	50	0.01	1.60	1.0	2.0	1.59	1.11	
511-BTB16-600B	BTB16-600BRG	TO-220AB	N	16.0	600	50	0.01	1.60	1.0	2.0	1.18	1.00	
511-BTA16-700B	BTA16-700BRG	TO-220AB	I	16.0	700	50	0.01	1.60	1.0	2.0	1.18	1.00	
511-BTA16-800B	BTA16-800BRG	TO-220AB	I	16.0	800	50	0.01	1.60	1.0	2.0	1.46	1.14	
511-BTB16-800BRG	BTB16-800BRG	TO-220AB	N	16.0	800	50	0.005	1.55	1.0	2.0	1.12	.95	
511-BTA26-600B	BTA26-600BRG	TO-3P	I	25.0	600	50	0.01	1.70	1.0	2.5	4.80	4.08	3
511-BTA25-600B	BTA25-600B	TO-220AB	I	25.0	600	50	0.005	1.55	1.0	-----	5.00	4.14	3
511-BTB24-600B	BTB24-600BRG	TO-220AB	N	25.0	600	50	0.01	1.80	1.0	2.5	1.78	1.41	1
511-BTB24-600BRG	BTB24-600BRG	TO-220AB	N	25.0	600	50	0.01	1.80	1.0	2.0	1.78	1.41	1
511-BTA26-700B	BTA26-700BRG	TO-3P	I	25.0	700	100	0.01	1.70	1.0	2.5	4.60	3.91	3
511-BTA26-800B	BTA26-800BRG	TO-3P	I	25.0	800	50	0.005	1.55	1.0	2.0	3.42	2.91	2
511-BTB24-800B	BTB24-800BRG	TO-220AB	N	25.0	800	50	0.005	1.55	1.0	2.5	1.62	1.38	1
511-BTA41-400B	BTA41-400B	TO-3P	I	40.0	400	50	0.01	1.80	1.0	2.5	6.60	5.61	4
511-BTA40-600B	BTA40-600B	RD91	I	40.0	600	50	0.005	1.55	1.0	2.5	7.13	5.15	4
511-BTA41-600B	BTA41-600BRG	TO-3P	I	40.0	600	50	0.01	1.80	1.0	2.5	5.39	3.58	3
511-BTB41-600B	BTB41-600BRG	TO-3P	N	40.0	600	50	0.01	1.80	1.0	2.5	6.00	5.10	4
511-BTA41-700B	BTA41-700BRG	TO-3P	I	40.0	700	50	0.01	1.80	1.0	2.5	5.72	4.86	4
511-BTA40-800B	BTA40-800B	RD91	I	40.0	800	50	0.005	1.55	1.0	2.5	6.68	5.53	4
511-BTB41-800B	BTB41-800BRG	TO-3P	N	40.0	800	50	0.01	1.80	1.0	2.5	6.40	5.44	4

SENSITIVE GATE TRIACS

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case
N = Non-Isolated Case

For quantities of 1000 and up, call for

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	ITRMS Max. (A)	VDRM Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	PG (AV) (W)	tgt Typ. (µSec)	Price Each 1	Price Each 100
Surface Mount												
511-Z0109DN	Z0109DN 5AA4	SOT-223	N	1.0	400	10	0.01	1.80	0.1	2.0	.62	.53
511-Z0103MN	Z0103MN 5AA4	SOT-223	N	1.0	600	5	0.01	1.80	0.1	2.0	1.49	.99
511-Z0107MN	Z0107MN 5AA4	SOT-223	N	1.0	600	7	0.01	1.80	0.1	2.0	.63	.54
511-Z0109MN	Z0109MN 5AA4	SOT-223	N	1.0	600	10	0.01	1.80	0.1	2.0	.63	.54
511-T405-600B	T405-600B	TO-252	N	4.0	600	5	0.01	1.75	1.0	2.0	1.27	.84
Thru Hole												
511-Z00607MA	Z00607MA 1BA2	TO-92	N	0.8	600	5	0.01	1.50	0.1	2.0	.45	.27
511-T410-400T	T410-400T	TO-220AB	N	4.0	400	10	0.01	1.75	1.0	2.0	.58	.49
511-Z0402MF	Z0402MF 1AA2	TO-202-3	N	4.0	600	3	0.005	2.00	0.2	2.0	.97	.58
511-T405-600T	T405-600T	TO-220AB	N	4.0	600	5	0.01	1.75	1.0	2.0	.62	.53
511-BTB04-600T	BTB04-600TRG	TO-220AB	N	4.0	600	5	0.010	1.65	1.0	2.0	.56	.48
511-T410-600T	T410-600T	TO-220AB	N	4.0	600	10	0.01	1.75	1.0	2.0	.60	.51
511-Z0409MF	Z0409MF 1AA2	TO-202-3	N	4.0	600	10	0.005	2.00	0.2	2.0	1.49	.99
511-BTA04-700T	BTA04-700TRG	TO-220AB	I	4.0	700	5	0.010	1.65	1.0	2.0	.80	.68
511-BTA06-600T	BTA06-600TRG	TO-220AB	I	6.0	600	5	0.01	1.65	1.0	2.0	.90	.77
511-BTA06-600S	BTA06-600SRG	TO-220AB	I	6.0	600	10	0.01	1.65	1.0	2.0	.82	.70
511-BTB08-600S	BTB08-600SRG	TO-220AB	N	8.0	600	10	0.01	1.75	1.0	2.0	.86	.73

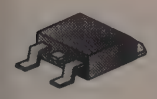
LOGIC LEVEL TRIACS

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case
N = Non-Isolated Case

For quantities of 1000 and up, call fo

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	ITRMS Max. (A)	VDRM Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	PG (AV) (W)	tgt Typ. (µSec)	Price Each 1	Price Each 100
Surface Mount												
511-Z0107NN5AA4	Z0107NN 5AA4	SOT-223	N	0.8	800	7	0.005	1.56	1.0	-----	.32	.27
511-Z0109NN5AA4	Z0109NN 5AA4	SOT-223	N	0.8	800	9	0.005	1.56	1.0	-----	.32	.27
511-T410-600B	T410-600B	TO-252	N	4.0	600	10	0.01	1.75	1.0	2.0	.66	.56
511-T405-800B	T405-800B-TR	TO-252	N	4.0	800	≤5	0.004	1.60	1.0	2.0	.56	.48



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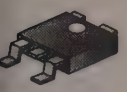

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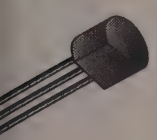

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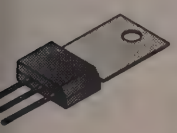
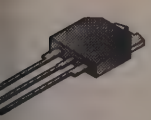


TO-202-1

TO-220AB



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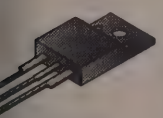

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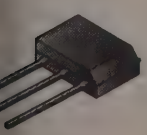


TO-202-2

LOGIC LEVEL TRIACS (cont.)

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case
N = Non-Isolated Case

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	ITRMS Max. (A)	VDRM Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	PG (AV) (W)	tgt Typ. (µSec)	Price Each 1	100	500
Thru Hole													
511-Z0107DA	Z0107DA 1AA2	TO-92	N	0.8	400	5	0.01	1.50	0.1	2.0	.40	.34	.30
511-Z0109DA	Z0109DA 1AA2	TO-92	N	0.8	400	10	0.01	1.50	0.1	2.0	.36	.31	.27
511-Z0103MA	Z0103MA 1AA2	TO-92	N	0.8	600	3	0.01	1.50	0.1	2.0	.65	.39	.25
511-Z0109MA	Z0109MA 1AA2	TO-92	N	0.8	600	10	0.01	1.50	0.1	2.0	.81	.49	.33
511-Z0103NA5AL2	Z0103NA 5AL2	TO-92	N	0.8	800	3	0.01	1.50	0.1	2.0	.40	.34	.30
511-Z0405DE	Z0405DE 1AA2	TO-202-1	N	4.0	400	5	0.005	2.00	0.2	2.0	.66	.56	.50
511-Z0410DF	Z0410DF 1AA2	TO-202-2	N	4.0	400	25	0.005	2.00	0.2	2.0	.56	.48	.42
511-Z0405MF	Z0405MF 1AA2	TO-202-2	N	4.0	600	5	0.005	2.00	0.2	2.0	.72	.61	.54
511-Z0410MF	Z0410MF 1AA2	TO-202-2	N	4.0	600	25	0.005	2.00	0.2	2.0	.62	.53	.47
511-T410-700H	T410-700H	IPAK	N	4.0	700	10	0.005	1.60	1.0	2.0	.52	.44	.39
511-BTB06-600SW	BTB06-600CWRG	TO-220AB	N	6.0	600	10	0.01	1.75	1.0	2.0	.78	.66	.59
511-BTA08-600SW	BTA08-600SWRG	TO-220AB	I	8.0	600	10	0.01	1.75	1.0	2.0	.92	.78	.69
511-BTA08-700TW	BTA08-700TWRG	TO-220AB	I	8.0	700	5	0.01	1.75	1.0	2.0	.90	.77	.68
511-BTB12-700SW	BTB12-700SWRG	TO-220AB	N	12.0	700	10	0.005	1.55	1.0	2.0	.80	.68	.60

SNUBBERLESS TRIACS

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

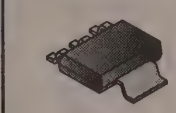
Package Type: I = Isolated Case
N = Non-Isolated Case

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	ITRMS Max. (A)	VDRM Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	PG (AV) (W)	tgt Typ. (µSec)	Price Each 1	100	500
Surface Mount													
511-T410-600B	T410-600B	TO-252	N	4.0	600	10	0.01	1.75	1.0	2.0	.66	.56	.50
511-T435-600B	T435-600B	TO-252	N	4.0	600	35	0.01	1.75	1.0	2.0	1.01	.68	.45
511-T835-600B-TR	T835-600B-TR	TO-252	N	8.0	600	35	0.005	1.50	1.0	2.0	.64	.59	.59
511-T835-600G	T835-600G	TO-263	N	8.0	600	35	0.005	1.50	1.0	2.0	1.61	1.12	.80
511-T810-800G-TR	T810-800G-TR	TO-263	N	8.0	800	10	0.005	1.55	1.0	2.0	.84	.71	.63
511-T1205-600G	T1205-600G	TO-263	N	12.0	600	5	0.005	1.50	1.0	2.0	.70	.60	.53
511-T1235-600G	T1235-600G	TO-263	N	12.0	600	35	0.005	1.50	1.0	2.0	1.28	1.09	.96
511-T1235-800G	T1235-800G-TR	TO-263	N	12.0	800	35	0.005	1.50	1.0	2.0	.82	.70	.62
511-T1635-600G	T1635-600G	TO-263	N	16.0	600	35	0.005	1.50	1.0	2.0	1.56	1.33	1.16
511-T1635-700G	T1635-700G-TR	TO-263	N	16.0	700	35	0.005	1.50	1.0	2.0	.88	.75	.66
511-T2535-600G	T2535-600G	TO-263	N	25.0	600	35	0.005	1.50	1.0	2.0	2.28	1.94	1.71
Thru Hole													
511-T435-700H	T435-700H	IPAK	N	4.0	700	35	0.005	1.60	1.0	2.0	.56	.48	.42
511-BTB06-400BW	BTB06-400BWRG	TO-220AB	N	6.0	400	50	0.005	1.55	1.0	2.0	.66	.56	.50
511-BTA06-600CW	BTA06-600CWRG	TO-220AB	N	6.0	600	35	0.005	1.55	1.0	2.0	.94	.80	.71
511-T630-800W	T630-800W	ISOWATT220	I	6.0	800	30	0.005	1.40	1.0	2.0	.92	.78	.69
511-BTA08-600CW	BTA08-600CWRG	TO-220AB	I	8.0	600	35	0.01	1.75	1.0	2.0	.90	.77	.68
511-BTA08-600BW	BTA08-600BWRG	TO-220AB	I	8.0	600	50	0.01	1.75	1.0	2.0	.92	.78	.65
511-BTB08-600CW	BTB08-600CWRG	TO-220AB	N	8.0	600	35	0.01	1.75	1.0	2.0	.88	.75	.66
511-BTB08-600BW	BTB08-600BWRG	TO-220AB	N	8.0	600	50	0.01	1.75	1.0	2.0	.80	.68	.52
511-BTB08-700BW	BTB08-700BWRG	TO-220AB	N	8.0	700	50	0.01	1.75	1.0	2.0	.88	.75	.66
511-T830-800W	T830-800W	ISOWATT220	I	8.0	800	30	0.01	1.50	1.0	2.0	1.12	.95	.84
511-BTA10-600BW	BTA10-600BW	TO-220AB	I	10.0	600	50	0.01	1.65	1.0	2.0	1.00	.85	.74
511-BTB10-600BW	BTB10-600BWRG	TO-220AB	N	10.0	600	50	0.01	1.65	1.0	2.0	.84	.71	.63
511-BTA10-700CW	BTA10-700CWRG	TO-220AB	I	10.0	700	50	0.01	1.65	1.0	2.0	.96	.82	.72
511-BTA10-800BW	BTA10-800BWRG	TO-220AB	I	10.0	800	50	0.01	1.65	1.0	2.0	1.10	.94	.80
511-BTA10-800CW	BTA10-800CWRG	TO-220AB	I	10.0	800	50	0.01	1.65	1.0	2.0	1.00	.85	.75
511-BTB10-800CW	BTB10-800CWRG	TO-220AB	N	10.0	800	35	0.01	1.65	1.0	2.0	.74	.63	.56
511-BTB10-800BW	BTB10-800BWRG	TO-220AB	N	10.0	800	50	0.01	1.65	1.0	2.0	.80	.68	.60
511-T1230-600W	T1230-600W	ISOWATT220	I	12.0	600	30	0.01	1.50	1.0	2.0	1.32	1.12	.99
511-BTA12-600BW	BTA12-600BWRG	TO-220AB	I	12.0	600	50	0.01	1.60	1.0	2.0	1.04	.88	.77
511-BTB12-600BW	BTB12-600BWRG	TO-220AB	N	12.0	600	50	0.01	1.75	1.0	2.0	.94	.80	.65
511-BTA12-800BW	BTA12-800BWRG	TO-220AB	I	12.0	800	50	0.01	1.60	1.0	2.0	1.00	.85	.75
511-BTB12-800CWRG	BTB12-800CWRG	TO-220AB	N	12.0	800	35	0.005	1.55	1.0	2.0	1.10	.94	.83
511-BTB16-400BW	BTB16-400BWRG	TO-220AB	N	16.0	400	50	0.01	1.60	1.0	2.0	1.08	.92	.81
511-BTA16-600CW	BTA16-600CWRG	TO-220AB	I	16.0	600	35	0.01	1.60	1.0	2.0	1.64	1.39	1.23
511-BTA16-600BW	BTA16-600BWRG	TO-220AB	I	16.0	600	50	0.01	1.60	1.0	2.0	1.20	1.02	.89
511-BTB16-600CW	BTB16-600CWRG	TO-220AB	N	16.0	600	35	0.01	1.50	1.0	2.0	1.12	.95	.84
511-BTB16-600BW	BTB16-600BWRG	TO-220AB	N	16.0	600	50	0.01	1.60	1.0	2.0	1.04	.88	.77
511-BTA16-700CW	BTA16-700CWRG	TO-220AB	I	16.0	700	35	0.01	1.50	1.0	2.0	.96	.82	.72
511-BTA16-700BW	BTA16-700BWRG	TO-220AB	I	16.0	700	50	0.01	1.50	1.0	2.0	.96	.82	.72
511-BTA16-800CW	BTA16-800CWRG	TO-220AB	I	16.0	800	35	0.01	1.50	1.0	2.0	1.08	.92	.81
511-BTB16-800CWRG	BTB16-800CWRG	TO-220AB	N	16.0	800	35	0.01	1.50	1.0	2.0	1.12	.95	.84
511-BTA20-700CW	BTA20-700CWRG	TO-220AB	I	20.0	700	35	0.01	1.70	1.0	2.0	1.08	.92	.81
511-BTA20-700BW	BTA20-700BWRG	TO-220AB	I	20.0	700	50	0.01	1.70	1.0	2.0	1.42	1.21	1.07
511-BTA26-600BW	BTA26-600BWRG	TO-3P	I	25.0	600	50	0.005	1.55	1.0	2.0	6.80	5.78	5.10
511-BTA24-600BW	BTA24-600BWRG	TO-220AB	I	25.0	600	50	0.005	1.55	1.0	2.0	1.50	1.28	1.11
511-BTB24-600BW	BTB24-600BWRG	TO-220AB	N	25.0	600	50	0.005	1.55	1.0	2.0	1.62	1.38	1.05
511-BTA26-800CW	BTA26-800CWRG	TO-3P	I	25.0	800	35	0.005	1.55	1.0	2.0	3.56	3.03	2.67
511-BTA24-800BW	BTA24-800BWRG	TO-220AB	I	25.0	800	50	0.005	1.55	1.0	2.0	1.80	1.53	1.19
511-BTA24-800CW	BTA24-800CWRG	TO-220AB	I	25.0	800	35	0.005	1.55	1.0	2.0	1.60	1.36	1.20
511-BTA26-800BW	BTA26-800BWRG	TO-3P	I	25.0	800	50	0.005	1.55	1.0	2.0	4.80	4.08	3.60
511-BTB24-800BW	BTB24-800BWRG	TO-220AB	N	25.0	800	50	0.005	1.55	1.0	2.0	1.90	1.62	1.43

STMICROELECTRONICS Alternistors, SCRs and Trigger Diodes

TO-263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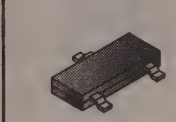
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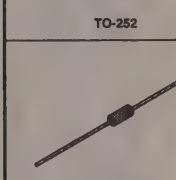
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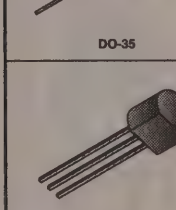
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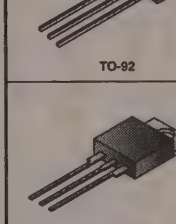
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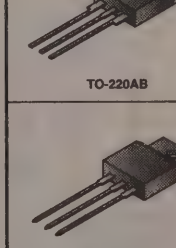
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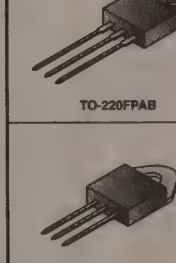
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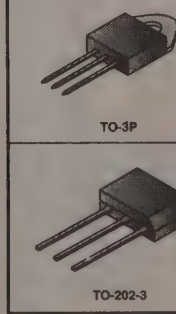

TO-202-3

ALTERNISTORS

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case N = Non-Isolated Case

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	ITRMS Max. (A)	VDRM Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	PG (AV) (W)	tgt Typ. (µSec)	Price Each 1	100	50
Thru Hole													
511-TPDV640	TPDV640RG	TO-3P	I	40.0	600	200	0.02	1.80	1.0	2.5	7.76	6.60	5.4

NON-SENSITIVE GATE SCRs

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case N = Non-Isolated Case

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	ITRMS Max. (A)	VDRM Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	PG (AV) (W)	tgt Typ. (µSec)	Price Each 1	100	50
Surface Mount													
511-TN1215-600G	TN1215-600G	TO-263	N	12.0	600	15	0.005	1.50	1.0	2.0	1.14	.97	
511-TN1625-600G	TN1625-600G	TO-263	N	16.0	600	25	0.005	1.60	1.0	2.0	1.40	1.19	1.0
Thru Hole													
511-TYN804	TYN804RG	TO-220AB	N	4.0	800	15	0.01	1.80	1.0	2.0	.78	.66	
511-TYN606	TYN606RG	TO-220AB	N	6.0	600	15	0.01	1.60	1.0	2.0	.80	.68	
511-TYN1006	TYN1006RG	TO-220AB	N	6.0	1000	15	0.01	1.60	1.0	2.0	.70	.60	
511-TYN058	TYN058RG	TO-220AB	N	8.0	50	15	0.01	1.80	1.0	2.0	1.24	.82	
511-TYN208	TYN208RG	TO-220AB	N	8.0	200	15	0.01	1.80	1.0	2.0	.78	.66	
511-TYN408	TYN408RG	TO-220AB	N	8.0	400	15	0.01	1.80	1.0	2.0	.80	.68	
511-TYN408G	TYN408GRG	TO-220AB	N	8.0	400	25	0.01	1.80	1.0	2.0	.78	.66	
511-TXN408G	TXN408GRG	TO-220AB	I	8.0	400	25	0.01	1.80	1.0	2.0	.84	.71	
511-TYN608	TYN608RG	TO-220AB	N	8.0	600	15	0.01	1.80	1.0	2.0	.88	.75	
511-TYN1008	TYN1008RG	TO-220AB	N	8.0	1000	25	0.01	1.80	1.0	2.0	.76	.65	
511-TYN410	TYN410RG	TO-220AB	N	10.0	400	15	0.01	1.60	1.0	2.0	.84	.71	
511-TYN610	TYN610RG	TO-220AB	N	10.0	600	15	0.01	1.60	1.0	2.0	.92	.78	
511-TYN810	TYN810RG	TO-220AB	N	10.0	800	15	0.01	1.60	1.0	2.0	1.10	.94	
511-TYN412	TYN412RG	TO-220AB	N	12.0	400	15	0.01	1.60	1.0	2.0	.84	.71	
511-TYN612	TYN612RG	TO-220AB	N	12.0	600	15	0.01	1.60	1.0	2.0	.94	.80	
511-TYN612M	TYN612MRG	TO-220AB	N	12.0	600	5	0.005	1.60	1.0	-----	.78	.66	
511-TYN612MFP	TYN612MFP	TO-220FPAB	I	12.0	600	5	0.005	1.60	1.0	-----	.60	.51	
511-TYN812	TYN812TRG	TO-220AB	N	12.0	800	15	0.010	1.60	1.0	2.0	1.20	1.02	
511-TXN1012	TXN1012RG	TO-220AB	I	12.0	1000	15	0.01	1.60	1.0	2.0	2.40	2.04	1.8
511-TYN416	TYN416RG	TO-220AB	N	16.0	400	25	0.01	1.60	1.0	2.0	1.08	.92	
511-TYN616	TYN616RG	TO-220AB	N	16.0	600	25	0.01	1.60	1.0	2.0	1.26	1.04	
511-TYN816	TYN816RG	TO-220AB	N	16.0	800	25	0.01	1.60	1.0	2.0	1.30	1.11	
511-TYN825	TYN825RG	TO-220AB	N	25.0	800	40	0.01	1.60	1.0	2.0	2.16	1.51	1.2
511-BTW68-200	BTW68-200RG	TO-3P	I	30.0	200	50	0.02	2.10	1.0	2.0	4.40	3.74	3.3
511-BTW68-800	BTW68-800RG	TO-3P	I	30.0	800	50	0.02	2.10	1.0	2.0	6.70	4.34	3.9
511-BTW68-1000	BTW68-1000RG	TO-3P	I	30.0	1000	50	0.02	2.10	1.0	2.0	5.80	4.93	4.4
511-BTW68-1200	BTW68-1200RG	TO-3P	I	30.0	1200	50	0.02	2.10	1.0	2.0	6.00	5.10	4.6
511-TYN640	TYN640RG	TO-220AB	N	40.0	600	35	0.005	1.60	1.0	2.0	1.70	1.45	1.3
511-BTW69-200	BTW69-200RG	TO-3P	I	50.0	200	80	0.020	1.90	1.0	2.0	5.51	3.57	2.9
511-BTW69-600	BTW69-600RG	TO-3P	I	50.0	600	80	0.02	1.90	1.0	2.0	4.60	3.49	2.9
511-BTW69-800	BTW69-800RG	TO-3P	I	50.0	800	80	0.02	1.90	1.0	2.0	6.00	5.10	4.3
511-BTW69-1000	BTW69-1000RG	TO-3P	I	50.0	1000	80	0.02	1.90	1.0	2.0	6.60	5.61	4.9
511-BTW69-1200	BTW69-1200RG	TO-3P	I	50.0	1200	80	0.02	1.90	1.0	2.0	7.02	5.81	4.9

SENSITIVE GATE SCRs

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case N = Non-Isolated Case

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	ITRMS Max. (A)	VDRM Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	PG (AV) (W)	tgt Typ. (µSec)	Price Each 1	100	50
Surface Mount													
511-P0102BL	P0102BL 5AA4	SOT-23-3L	N	0.25	200	0.2	0.001	1.70	0.02	-----	.40	.34	
511-P0102DN	P0102DN 5AA4	SOT-223	N	0.8	400	0.2	0.001	1.95	0.1	0.1	.72	.43	
511-X0202MN	X0202MN 5BA4	SOT-223	N	1.4	600	0.2	0.005	1.50	0.2	0.5	.90	.54	
511-TS420-600B	TS420-600B	TO-252	N	4.0	600	0.2	5.000	1.60	0.2	0.5	.74	.63	
511-TS820-600B	TS820-600B	TO-252	N	8.0	600	0.2	0.005	1.60	0.2	0.5	.88	.75	
511-TN815-600B	TN815-600B	TO-252	N	8.0	600	15	2.00	1.60	1.0	2.0	.92	.78	
Thru Hole													
511-P0130AA	P0130AA 2AL3	TO-92	N	0.8	100	0.8	0.001	1.95	0.1	---	.18	.15	
511-P0102BA	P0102BA 1AA3	TO-92	N	0.8	200	0.2	0.001	1.93	0.1	0.5	.22	.19	
511-P0118DA	P0118DA 1AA3	TO-92	N	0.8	400	0.01	0.001	1.93	0.1	0.5	.16	.14	
511-P0111DA	P0111DA 1AA3	TO-92	N	0.8	400	0.025	0.001	1.93	0.1	0.5	.26	.22	
511-XL0840	XL0840	TO-92	N	0.8	400	0.2	0.001	1.95	0.1	---	.10	.085	
511-P0118MA2AL3	P0118MA 2AL3	TO-92	N	0.8	600	0.01	0.001	1.93	0.1	0.5	.18	.15	
511-P0102DA	P0102DA 1AA3	TO-92	N	0.8	400	0.2	0.001	1.93	0.1	0.5	.30	.26	
511-P0118MA5AL3	P0118MA 5AL3	TO-92	N	0.8	600	0.005	0.001	1.93	0.1	0.5	.14	.12	
511-P0111MA2AL3	P0111MA 2AL3	TO-92	N	0.8	600	0.025	0.001	1.93	0.1	0.5	.14	.12	
511-P0102MA1AA3	P0102MA 1AA3	TO-92	N	0.8	600	0.2	0.001	1.93	0.1	0.5	.14	.12	
511-X00602MA2AL2	X00602MA 2AL2	TO-92	N	0.8	600	0.2	0.001	1.35	0.1	-----	.16	.14	
511-X0205MA	X0205MA 1BA2	TO-92	N	1.25	600	0.05	0.005	1.45	0.2	0.5	.58	.49	
511-X0202NA	X0202NA 1BA2	TO-92	N	1.25	800	0.2	0.005	1.45	0.2	---	.36	.31	
511-X0203NA	X0203NA 1BA2	TO-92	N	1.25	800	0.2	0.005	1.45	0.2	0.5	.48	.41	
511-X0202MA	X0202MA 1BA2	TO-92	N	1.3	600	0.2	0.005	1.45	0.2	0.5	.65	.39	
511-X0403DF	X0403DF 1AA2	TO-202-3	N	4.0	400	0.2	0.005	1.80	0.2	2.0	1.66	1.10	
511-X0402MF	X0402MF 1AA2	TO-202-3	N	4.0	600	0.2	0.005	1.80	0.2	2.0	.62	.53	
511-X0402MF0AA2	X0402MF 0AA2	TO-202-3	N	4.0	600	0.2	0.005	1.80	0.2	2.0	.30	.26	
511-TS820-600T	TS820-600T	TO-220AB	N	8.0	600	0.2	0.005	1.60	1.0	0.5	.90	.77	

TRIGGER DIODES

For quantities of 1000 and up, call for

MOUSER STOCK NO.	STM Part No.	Case Type	V (BO) (V) Min.	Typ.	Max.	V (BO) Semetry (V) Min.	Dynamic Breakover Voltage (V) Min.	I(BO) Max. (µA)	ITRM Max. (A)	Price Each 1	100	
Thru Hole												
511-DB3	DB3	DO-35	28	32.0	36	3	5	10.0	2.0	.41	.21	
511-DB4	DB4	DO-35	35	40.0	45	5	5	10.0	2.0	.16	.14	

AVX Ceramic Transient Voltage Suppressors

TRANSFEED™ MULTILAYER CERAMIC TRANSIENT VOLTAGE SUPPRESSORS

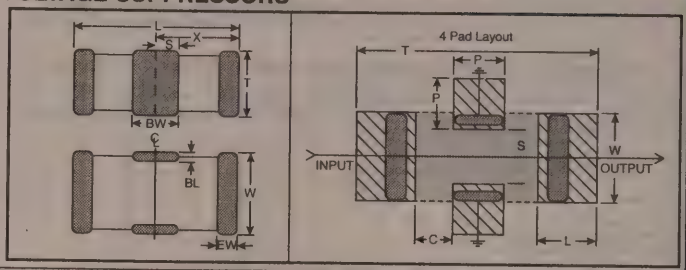
as combined the best electrical characteristics of its TransGuard™ Transient Voltage Suppressors (TVS) and dthru Capacitors into a single chip for state-of-the-art overvoltage circuit protection and EMI reduction over a ange of frequencies. This unique combination of multilayer ceramic construction in a feedthru configuration he circuit designer a single 0805 chip that responds to transient events faster than any TVS device on the today, and provides significant EMI attenuation when in the off-state.

designers are concerned with both transient voltage protection and EMI attenuation, either due to the al performance of their circuits or due to required compliance to specific EMC regulations, the TransFeed™ is an ideal choice.

cations:

rprint ID Circuit
netic Field Circuit
Dashboard Driver

LEAD-FREE



NSIONS mm (IN.)

L	W	T	BW	BL	EW	X	S
2.01 ± 0.20 (0.079 ± 0.008)	1.25 ± 0.20 (0.049 ± 0.008)	1.143 Max. (0.045 Max.)	0.46 ± 0.10 (0.018 ± 0.004)	0.18 + 0.25 -0.08 (0.007 + 0.010 -0.003)	0.25 ± 0.13 (0.010 ± 0.005)	1.02 ± 0.10 (0.040 ± 0.004)	0.23 ± 0.05 (0.009 ± 0.002)

Recommened Solder Pad Layout

T	P	S	W	L	C
3.45 (0.136)	0.51 (0.020)	0.76 (0.030)	1.27 (0.050)	1.02 (0.040)	0.46 (0.018)

For quantities of 1000 and up, call for quote.

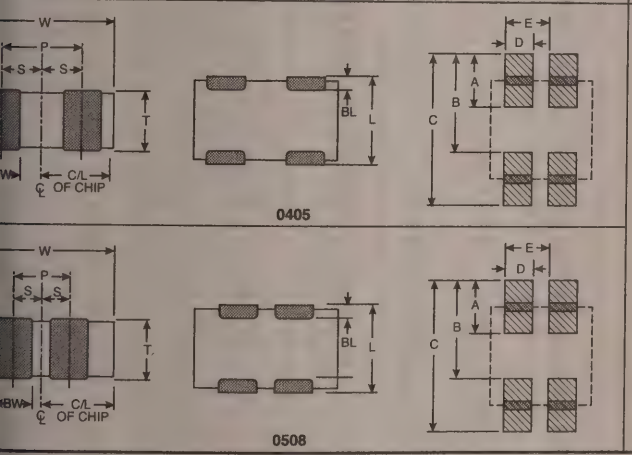
MOUSER STOCK NO.	AVX Part Number	Working Voltage (DC)	Working Voltage (AC)	Breakdown Voltage (V@ImA$_{DC}$)	Clamping Voltage (V@I$_{VC}$)	Max. Leakage Current (µA)	Transient Energy Rating Joules (J)	Peak Current Rating (A)	Typical Cap (pF)	DC Resistance	Max. Feedthru Current	Price Each 1	50	100	500	Price Per Reel of 1000 (ea.)
'2F105A150Y2EDP	V2F105A150Y2EDP	5.6	4	8.5+20%	18	35	0.1	30	800	0.20	0.75	.46	.38	.33	.30	.27
'2F105C150Y1FDP	V2F105C150Y1FDP	5.6	4	8.5+20%	18	35	0.3	120	25000	0.15	1	.68	.57	.50	.46	.40
'2F109A200Y2EDP	V2F109A200Y2EDP	9	6.4	12.7+15%	22	25	0.1	30	575	0.20	0.75	.46	.38	.33	.30	.27
'2F109C200Y1FDP	V2F109C200Y1FDP	9	6.4	12.7+15%	22	25	0.3	120	1800	0.15	1	.68	.57	.50	.46	.40
'2F114A300Y2EDP	V2F114A300Y2EDP	14	10	18.5+12%	32	15	0.1	30	300	0.20	0.75	.46	.38	.33	.30	.27
'2F114C300Y1FDP	V2F114C300Y1FDP	14	10	18.5+12%	32	15	0.3	120	900	0.15	1	.68	.57	.50	.46	.40
'2F118A400Y2EDP	V2F118A400Y2EDP	18	13	25.5+10%	42	10	0.1	3	200	0.20	0.75	.46	.38	.33	.30	.27
'2F118C400Y1FDP	V2F118C400Y1FDP	18	13	25.5+10%	42	10	0.3	120	500	0.15	1	.68	.57	.50	.46	.40
'2F118X500Y3DDP	V2F118X500Y3DDP	18	13	25.5+10%	50	10	0.05	20	75	0.25	0.5	.46	.38	.33	.30	.27

MULTIGUARD™ MULTILAYER CERAMIC TRANSIENT VOLTAGE SUPPRESSION ARRAYS

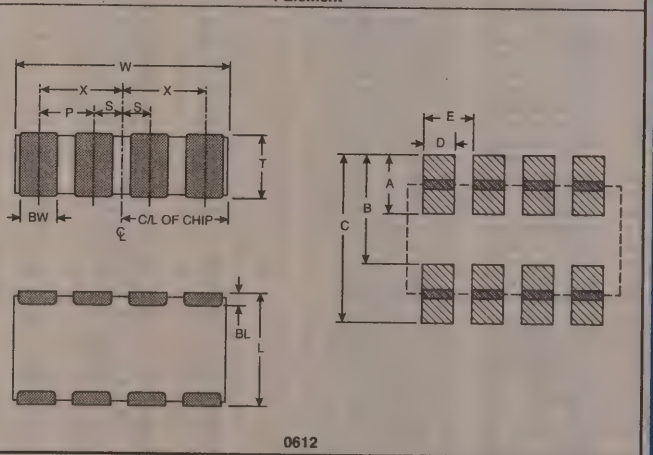
ansient Voltage Suppression (TVS) Arrays address six trends in today's electronic circuits: (1) mandatory ESD protection, (2) mandatory EMI control, (3) signal improvement, (4) PCB downsizing, (5) reduced component placement costs, and (6) protection from induced slow speed transient voltages and currents.

LEAD-FREE

2 Element



4 Element



ent DIMENSIONS mm (IN.)

L	W	T	BW	BL	P	S
1.00±0.15 (0.039±0.006)	1.37±0.15 (0.054±0.006)	0.66 MAX (0.026 MAX)	0.36±0.10 (0.014±0.004)	0.20±0.10 (0.008±0.004)	064 REF (0.025 REF)	0.32±0.10 (0.013±0.004)
1.25±0.20 (0.049±0.008)	2.01±0.20 (0.079±0.008)	1.02 MAX (0.040 MAX)	0.41±0.1 (0.016±0.004)	0.18 $^{+0.25}_{-0.08}$ ($0.007^{+.010}_{-.003}$)	0.76 REF (0.030 REF)	0.38±0.10 (0.015±0.004)

Pad Layout Dimensions

A	B	C	D	E
0.46 (0.018)	0.74 (0.029)	1.20 (0.047)	0.38 (0.015)	0.64 (0.025)
0.89 (0.035)	1.27 (0.050)	2.16 (0.085)	0.46 (0.018)	0.76 (0.030)

ent DIMENSIONS mm (IN.)

L	W	T	BW	BL	P	X	S
1.60±0.20 (0.063±0.008)	3.20±0.20 (0.126±0.008)	1.22 MAX (0.048 MAX)	0.41±0.10 (0.016±0.004)	0.18 $^{+0.25}_{-0.08}$ ($0.007^{+.010}_{-.003}$)	0.76 REF (0.030 REF)	1.14±0.10 (0.045±0.004)	0 38±0.10 (0.015±0.004)

Pad Layout Dimensions

A	B	C	D	E
0.89 (0.035)	1.65 (0.065)	2.54 (0.100)	0.46 (0.018)	0.76 (0.030)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Working Voltage (DC)	Working Voltage (AC)	Breakdown Voltage (V@ImA$_{DC}$)	Clamping Voltage (V@I$_{VC}$)	Max. Leakage Current (µA)	Transient Energy Rating (J, 10x1000µS)	Peak Current Rating (A)	Typical Cap (pF)	Number of Elements	Chip Size	Price Each 1	50	100	500	Price Per Reel of 1000 (ea.)
G052S05A150DP	MG052S05A150DP	5.6	4	8.5+20%	18	35	0.1	30	825	2	0508	1.64	1.52	1.27	1.14	1.01
G064S05A150DP	MG064S05A150DP	5.6	4	8.5+20%	18	35	0.1	30	825	4	0612	1.59	1.47	1.22	1.10	.98
G052S09A200DP	MG052S09A200DP	9	6.4	12.7+15%	22	25	0.1	30	550	2	0508	1.21	1.11	.93	.83	.74
G064L18X500DP	MG064L18X500DP	9	6.4	12.7+15%	22	25	0.1	30	550	4	0612	1.51	1.40	1.16	1.05	.93
G052S14A300DP	MG052S14A300DP	14	10	19.5+12%	32	15	0.1	30	425	2	0508	1.21	1.11	.93	.83	.74
G064S09A200DP	MG064S09A200DP	14	10	19.5+12%	32	15	0.1	30	425	4	0612	1.59	1.47	1.22	1.10	.98
G042L18V500DP	MG042L18V500DP	18	14	N/A	50	10	0.2	15	40	2	0405	.66	.61	.51	.45	.40
G052S18A400DP	MG052S18A400DP	18	14	25.5+10%	42	10	0.1	30	225	2	0508	1.10	1.01	.84	.76	.67
G052L18X500DP	MG052L18X500DP	18	14	N/A	50	10	0.1	20	50	2	0508	.98	.91	.76	.68	.61
G064S14A300DP	MG064S14A300DP	18	14	25.5+10%	42	10	0.05	15	120	4	0612	1.59	1.47	1.22	1.10	.98
G064S18A400DP	MG064S18A400DP	18	14	N/A	50	10	0.1	20	75	4	0612	1.59	1.47	1.22	1.10	.98

AVX TransGuard™ Ceramic Transient Voltage Suppressors

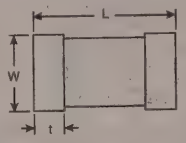
The AVX TransGuard Transient Voltage Suppressors (TVS) with unique high-energy multilayer construction represents state-of-the-art overvoltage circuit protection. Monolithic multilayer construction provides protection from voltage transients caused by ESD, lightning, Nuclear Explosion Magnetic Pulse (NEMP), inductive switching, etc. True surface mount product is provided in EIA industry standard packages.

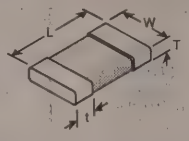
TransGuard products are zinc oxide(ZnO) based ceramic semiconductor devices with non-linear voltage-current characteristics (bi-directional) similar to back-to-back zener diodes.
They have the added advantage of greater current and energy handling capabilities as well as EMI/RFI attenuation. Devices are fabricated by ceramic sintering process that yields a structure of conductive ZnO grains surrounded by electrically insulating barriers, creating varistor-like behavior.

Marking
All standard surface mount TransGuard chips are unmarked.

Features:

- Ni/Sn Alloy(Plated)
- Operation temp: -55°C to +125°C
- Meets IEC 1000 -4 specifications





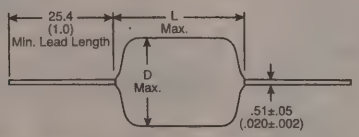
DIMENSIONS mm (IN.)

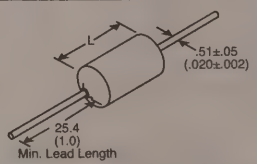
Size	L	W	T	t
0402	1.00±0.10 (0.040±0.004)	0.50±0.10 (0.020±0.004)	0.6 (0.024)	0.25±0.15 (0.010±0.00
0603	1.60±0.15 (0.063±0.006)	0.80±0.15 (0.031±0.006)	0.9 (0.035)	0.35±0.15 (0.014±0.00
0805	2.01±0.20 (0.079±0.008)	1.25±0.20 (0.049±0.008)	1.02 (0.04)	0.71 max. (0.028 max
1206	3.20±0.20 (0.126±0.008)	1.60±0.20 (0.063±0.008)	1.02 (0.04)	0.71 max. (0.028 max
1210	3.20±0.20 (0.126±0.008)	2.49±0.20 (0.098±0.008)	1.70 (0.067)	0.71 max. (0.028 max

Surface Mount

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	AVX Part Number	Working Voltage (DC)	Working Voltage (AC)	Breakdown Voltage (V@ImA$_{DC}$)	Clamping Voltage (V@I$_{VC}$)	Test Current For Vc (A, 8x20μS)	Max. Leakage Current mA	Transient Energy Rating Joules (J)	Peak Current Rating A	Typical Cap pF	Freq.	Case Size	Price Each 1	Price Each 100	Price Each 500	Qty per Reel	Pric Per R (ea.
581-VC060303A100DP	VC060303A100DP	3.3	2.3	5.0±20%	12	1	100	0.1	30	1450	K	0603	.28	.24	.23	1000	.2
581-VC080503A100DP	VC080503A100DP	3.3	2.3	5.0±20%	12	1	100	0.1	40	1400	K	0805	.29	.25	.24	1000	.2
581-VC080503C100DP	VC080503C100DP	3.3	2.3	5.0±20%	12	1	100	0.3	120	5000	K	0805	.43	.38	.36	1000	.3
581-VC120603A100DP	VC120603A100DP	3.3	2.3	5.0±20%	12	1	100	0.1	40	1250	K	1206	.36	.32	.30	1000	.2
581-VC120603D100DP	VC120603D100DP	3.3	2.3	5.0±20%	12	1	100	0.4	150	4700	K	1206	.47	.42	.40	1000	.3
581-VC040205X150WP	VC040205X150WP	5.6	4.0	8.5±20%	18	1	35	0.05	20	175	M	0402	.86	.72	.57	10000	.1
581-VC060305A150DP	VC060305A150DP	5.6	4.0	8.5±20%	18	1	35	0.1	30	750	K	0603	.28	.24	.23	1000	.2
581-VC080505A150DP	VC080505A150DP	5.6	4.0	8.5±20%	18	1	35	0.1	40	1100	K	0805	.29	.25	.24	1000	.2
581-VC080505C150DP	VC080505C150DP	5.6	4.0	8.5±20%	18	1	35	0.3	120	3000	K	0805	.43	.38	.36	1000	.3
581-VC120605A150DP	VC120605A150DP	5.6	4.0	8.5±20%	18	1	35	0.1	40	1200	K	1206	.36	.32	.30	1000	.2
581-VC120605D150DP	VC120605D150DP	5.6	4.0	8.5±20%	18	1	35	0.4	150	3000	K	1206	.48	.42	.40	1000	.3
581-VC040209X200WP	VC040209X200WP	9.0	6.4	12.7±15%	22	1	25	0.05	20	175	M	0402	.86	.72	.57	10000	.1
581-VC060309A200DP	VC060309A200DP	9.0	6.4	12.7±15%	22	1	25	0.1	30	550	K	0603	.28	.24	.23	1000	.2
581-VC080509A200DP	VC080509A200DP	9.0	6.4	12.7±15%	22	1	25	0.1	40	750	K	0805	.29	.25	.24	1000	.2
581-VC080512A250DP	VC080512A250DP	12.0	8.5	16±15%	27	1	25	0.1	40	525	K	0805	.29	.25	.24	1000	.2
581-VC040214X300WP	VC040214X300WP	14.0	10.0	18.5±12%	32	1	15	0.05	20	100	M	0402	.43	.36	.32	10000	.2
581-VC060314A300DP	VC060314A300DP	14.0	10.0	18.5±12%	32	1	15	0.1	30	350	K	0603	.28	.24	.23	1000	.2
581-VC080514A300DP	VC080514A300DP	14.0	10.0	18.5±12%	32	1	15	0.1	40	325	K	0805	.29	.25	.24	1000	.2
581-VC080514C300DP	VC080514C300DP	14.0	10.0	18.5±12%	32	1	15	0.3	120	900	K	0805	.43	.36	.32	10000	.2
581-VC120614A300DP	VC120614A300DP	14.0	10.0	18.5±12%	32	1	15	0.1	40	600	K	1206	.36	.32	.30	1000	.2
581-VC120614D300DP	VC120614D300DP	14.0	10.0	18.5±12%	32	1	15	0.4	150	1050	K	1206	.47	.42	.40	1000	.3
581-VC13MA0160KBA	VC13MA0160KBA	16.0	14.0	24.5±10%	40	2.5	25	1.6	400	1800	K	1210	.71	.59	.53	1000	.4
581-VC040218X400WP	VC040218X400WP	18.0	13.0	25.5±10%	42	1	10	0.05	20	65	M	0402	.43	.36	.32	10000	.2
581-VC060318A400DP	VC060318A400DP	18.0	13.0	25.5±10%	42	1	10	0.1	30	150	K	0603	.28	.24	.23	1000	.2
581-VC080518A400DP	VC080518A400DP	18.0	13.0	25.5±10%	42	1	10	0.1	30	225	K	0805	.29	.25	.24	1000	.2
581-VC080518C400DP	VC080518C400DP	18.0	13.0	25.5±10%	42	1	10	0.3	100	550	K	0805	.43	.36	.32	10000	.2
581-VC120618A400DP	VC120618A400DP	18.0	13.0	25.5±10%	42	1	10	0.1	30	350	K	1206	.36	.32	.30	1000	.2
581-VC120618D400DP	VC120618D400DP	18.0	13.0	25.5±10%	42	1	10	0.4	150	900	K	1206	.47	.42	.40	1000	.3
581-VC121018J390DP	VC121018J390DP	18.0	13.0	25.5±10%	42	5	10	1.5	500	3100	K	1210	.72	.63	.59	1000	.5
581-VJ13MC0180KBA	VJ13MC0180KBA	18.0	13.0	24.0±10%	45	10	25	1.5	500	3000	K	1210	.72	.63	.59	1000	.5
581-VC060326A580DP	VC060326A580DP	26.0	18.0	34.5±10%	60	1	10	0.1	30	155	K	0603	.28	.24	.23	1000	.2
581-VC080526A580DP	VC080526A580DP	26.0	18.0	34.5±10%	60	1	10	0.1	30	120	K	0805	.28	.24	.23	1000	.2
581-VC080526C580DP	VC080526C580DP	26.0	18.0	34.5±10%	60	1	10	0.3	100	250	K	0805	.43	.36	.32	10000	.1
581-VC120626D580DP	VC120626D580DP	26.0	18.0	34.5±10%	60	1	10	0.4	120	500	K	1206	.47	.42	.40	1000	.3
581-VC121026H560DP	VC121026H560DP	26.0	18.0	34.5±10%	60	5	10	1.2	300	2150	K	1210	.72	.63	.59	1000	.5
581-VJ13MC0260KBA	VJ13MC0260KBA	26.0	18.0	33.0±10%	62	10	25	1.2	300	1120	K	1210	.72	.63	.59	1000	.5
581-VC060330A650DP	VC060330A650DP	30.0	21.0	41.0±10%	67	1	10	0.1	30	125	K	0603	.28	.24	.23	1000	.2
581-VC080530A650DP	VC080530A650DP	30.0	21.0	41.0±10%	67	1	10	0.1	30	90	M	0805	.29	.25	.24	1000	.2
581-VC120630D650DP	VC120630D650DP	30.0	21.0	41.0±10%	67	1	10	0.4	120	400	K	1206	.47	.42	.40	1000	.3
581-VC121030G620DP	VC121030G620DP	30.0	21.0	41.0±10%	67	5	10	0.9	220	1750	K	1210	.69	.63	.55	1000	.4
581-VC121030H620DP	VC121030H620DP	30.0	21.0	41.0±10%	67	5	10	1.2	280	1850	K	1210	.99	.83	.75	1000	.6
581-VJ13MC0300KBA	VJ13MC0300KBA	30.0	21.0	39.0±10%	73	10	25	0.9	220	1020	K	1210	.79	.66	.59	1000	.5
581-VJ13PC0300KBA	VJ13PC0300KBA	30.0	21.0	39.0±10%	73	10	25	1.2	280	1150	K	1210	.79	.66	.59	1000	.5
581-VC120648D101DP	VC120648D101DP	48.0	34.0	62.0±10%	100	1	10	0.4	100	225	K	1206	.52	.46	.44	1000	.4
581-VC121048G101DP	VC121048G101DP	48.0	34.0	62.0±10%	100	5	10	0.9	220	450	K	1210	.69	.63	.55	1000	.4
581-VC121048H101DP	VC121048H101DP	48.0	34.0	62.0±10%	100	5	10	1.2	250	500	K	1210	.69	.63	.55	1000	.4
581-VJ13MC0480KBA	VJ13MC0480KBA	48.0	34.0	60.5±10%	110	10	25	0.9	220	800	K	1210	.79	.66	.59	1000	.5
581-VJ13PC0480KBA	VJ13PC0480KBA	48.0	34.0	60.5±10%	110	10	25	1.2	250	840	K	1210	.79	.66	.59	1000	.5
581-VC121060J121DP	VC121060J121DP	60.0	42.0	76.0±10%	120	5	10	1.5	250	400	K	1210	.79	.66	.59	1000	.5
581-VJ13MC0600KBA	VJ13MC0600KBA	60.0	42.0	75.0±10%	126	10	25	1.5	250	600	K	1210	.79	.66	.59	1000	.5





DIMENSIONS mm (IN.)

Size	L	D
1000	4.32 (0.170)	2.54 (0.100
2000	4.83 (0.190)	3.56 (0.140

Axial

For quantities of 1000 and up, call for

MOUSER STOCK NO.	AVX Part Number	Working Voltage (DC)	Working Voltage (AC)	Breakdown Voltage (V@ImA$_{DC}$)	Clamping Voltage (V@I$_{VC}$)	Test Current For Vc (A, 8x20μS)	Max. Leakage Current μA	Transient Energy Rating Joules (J)	Peak Current Rating (A, 8x20μS)	Typical Cap pF	Freq.	Case Size	Price Each 1	Price Each 100	Price Each 500	Qty per Reel	P Per (i
581-VA100003A100DL	VA100003A100DL	3.3	2.3	5.0±20%	12	1	100	0.1	40	1500	K	1000	.49	.41	.37	1000	
581-VA100003D100DL	VA100003D100DL	3.3	2.3	5.0±20%	12	1	100	0.4	150	4700	K	1000	.64	.53	.48	1000	
581-VA100005A150DL	VA100005A150DL	5.6	4.0	8.5±20%	18	1	35	0.1	40	1000	K	1000	.49	.41	.37	1000	
581-VA100005D150DL	VA100005D150DL	5.6	4.0	8.5±20%	18	1	35	0.4	150	2800	K	1000	.64	.53	.48	1000	
581-VA100014A300DL	VA100014A300DL	14.0	10.0	18.5±12%	32	1	15	0.1	40	325	K	1000	.49	.41	.37	1000	
581-VA100014D300DL	VA100014D300DL	14.0	10.0	18.5±12%	32	1	15	0.4	150	1100	K	1000	.64	.53	.48	1000	
581-VA100018A400DL	VA100018A400DL	18.0	13.0	25.5±10%	42	1	10	0.1	40	350	K	1000	.49	.41	.37	1000	
581-VA100018D400DL	VA100018D400DL	18.0	13.0	25.5±10%	42	1	10	0.4	150	900	K	1000	.64	.53	.48	1000	
581-VA100026D580DL	VA100026D580DL	26.0	18.0	34.5±10%	60	1	10	0.4	120	650	K	1000	.64	.53	.48	1000	
581-VA100030D650DL	VA100030D650DL	30.0	21.0	41.0±10%	67	1	10	0.4	120	550	K	1000	.49	.41	.37	1000	
581-VA100048D101DL	VA100048D101DL	48.0	34.0	62.0±10%	100	1	10	0.4	100	200	K	1000	.64	.53	.48	1000	
581-VA200060K121DL	VA200060K121DL	60.0	42.0	76.0±10%	120	1	10	2.0	300	400	K	2000	1.01	.84	.76	1000	

FAIRCHILD TVS

FAIRCHILD SEMICONDUCTOR

TRANSIENT VOLTAGE SUPPRESSORS

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Vrwm (V)	Vbr Breakdown Min (V)	Vbr Beakdown Max (V)	Test Condition It (mA)	Vc Max Clamping Voltage at Ippm (V)	Ipp Max Peak Pulse Surge Current (A)	Ir Max Reverse Leakage at Vrwm (μA)	Pppm (W)	Price Each 1	25	100	250
directional														
12-SA5V0CA	SA5V0CA	DO-15	5	6.4	7	10	9.2	54.3	1200	500	.39	.34	.22	.19
12-SMBJ5V0CA	SMBJ5V0CA	SMB	5	6.4	7	10	9.2	65.2	1600	600	.37	.32	.22	.19
12-SMCJ5V0CA	SMCJ5V0CA	SMC	5	6.4	7	10	9.2	163	2000	1500	.89	.77	.51	.43
12-SA6V0CA	SA6V0CA	DO-15	6	6.67	7.37	10	10.3	48.5	1200	500	.37	.32	.22	.19
12-SMCJ6V0CA	SMCJ6V0CA	SMC	6	6.67	7.37	10	10.3	145.6	2000	1500	.92	.79	.53	.45
12-P6KE11CA	P6KE11CA	DO-15	9.4	10.5	11.6	1	15.6	38	10	600	.35	.30	.20	.18
12-SMBJ11CA	SMBJ11CA	SMB	11	12.2	13.5	1	18.2	33	5	600	.44	.38	.25	.22
12-SMBJ12CA	SMBJ12CA	SMB	12	13.3	14.7	1	19.9	30.2	5	600	.55	.46	.33	.26
12-SMBJ20CA	SMBJ20CA	SMB	20	22.2	24.5	1	32.4	18.5	5	600	.44	.38	.25	.22
12-1V5KE27CA	1V5KE27CA	DO-201AE	23.1	25.7	28.4	1	37.5	40	5	1500	.66	.57	.38	.33
12-SMBJ24CA	SMBJ24CA	SMB	24	26.7	29.5	1	38.9	15.4	5	600	.46	.40	.26	.22
12-1V5KE30CA	1V5KE30CA	DO-201AE	25.6	28.5	31.5	1	41.4	36.2	5	1500	.66	.57	.38	.33
12-SMCJ28CA	SMCJ28CA	SMC	28	31.1	34.4	1	45.4	33	5	1500	.78	.67	.45	.39
12-SA30CA	SA30CA	DO-15	30	33.3	36.8	1	48.4	10.3	1	500	.37	.32	.22	.19
12-SA33CA	SA33CA	DO-15	33	36.7	40.6	1	53.3	9.4	1	500	.37	.32	.22	.19
12-1V5KE39CA	1V5KE39CA	DO-201AE	33.3	37.1	41	1	53.9	28	5	1500	.66	.57	.38	.33
12-SMCJ45CA	SMCJ45CA	SMC	45	50	55.3	1	72.7	20.6	5	1500	.78	.67	.45	.39
12-P6KE62CA	P6KE62CA	DO-15	53	58.9	65.1	1	85	7.1	5	600	.35	.30	.20	.18
12-SMBJ54CA	SMBJ54CA	SMB	54	60	66.3	1	87.1	6.9	5	600	.44	.38	.25	.22
12-SMBJ58CA	SMBJ58CA	SMB	58	64.4	71.2	1	93.6	6.4	5	600	.44	.38	.25	.22
12-1V5KE75CA	1V5KE75CA	DO-201AE	64.1	71.3	78.8	1	104	14.6	5	1500	.66	.57	.38	.33
12-SMCJ78CA	SMCJ78CA	SMC	78	86.7	95.8	1	126	11.9	5	1500	.78	.67	.45	.39
12-SMBJ110CA	SMBJ110CA	SMB	110	122	135	1	177	3.4	5	600	.44	.38	.25	.22
12-SMBJ130CA	SMBJ130CA	SMB	130	144	159	1	209	2.9	5	600	.44	.38	.25	.22
12-SA170CA	SA170CA	DO-15	170	189	209	1	275	1.8	1	500	.37	.32	.22	.19
12-1V5KE220CA	1V5KE220CA	DO-201AE	185	209	231	1	328	4.6	5	1500	.66	.57	.38	.33
12-1V5KE300CA	1V5KE300CA	DO-201AE	256	285	315	1	414	3.8	5	1500	.90	.78	.52	.44
12-P6KE300CA	P6KE300CA	DO-15	256	285	315	1	414	1.5	5	600	.48	.41	.28	.24
12-P6KE350CA	P6KE350CA	DO-15	300	332	368	1	482	1.3	5	600	.44	.38	.25	.22
12-1V5KE350CA	1V5KE350CA	DO-201AE	300	333	368	1	482	3.2	5	1500	.87	.75	.50	.43
12-1V5KE440CA	1V5KE440CA	DO-201AE	376	418	462	1	602	2.6	5	1500	.88	.76	.51	.44
idirectional														
12-SMBJ5V0A	SMBJ5V0A	SMB	5	6.4	7	10	9.2	65.2	800	600	.43	.36	.26	.21
12-SMBJ6V0A	SMBJ6V0A	SMB	6	6.67	7.37	10	10.3	58.3	800	600	.39	.34	.23	.20
12-SMCJ6V5A	SMCJ6V5A	SMC	6.5	7.22	7.98	10	11.2	133.9	500	1500	.87	.74	.50	.43
12-SMBJ10A	SMBJ10A	SMB	10	11.1	12.8	1	17	35.3	5	600	.40	.35	.24	.21
12-SMBJ11A	SMBJ11A	SMB	11	12.2	13.5	1	18.2	33	5	600	.36	.31	.21	.19
12-SMBJ12A933	SMBJ12A933	SMB	12	13.2	13.8	1	15.6	17.5	5	600	.37	.31	.21	.18
12-SMBJ12A	SMBJ12A	SMB	12	13.3	14.7	1	19.9	30.2	5	600	.38	.32	.22	.18
12-SMCJ12A	SMCJ12A	SMC	12	13.3	14.7	1	19.9	75.3	5	1500	.73	.63	.43	.37
12-SMBJ14A	SMBJ14A	SMB	14	15.6	17.2	1	23.2	25.9	5	600	.35	.30	.20	.18
12-SMBJ15A	SMBJ15A	SMB	15	16.7	18.5	1	24.4	24.6	5	600	.43	.36	.26	.21
12-SMBJ16A	SMBJ16A	SMB	16	17.8	19.7	1	26	23.1	5	600	.35	.30	.20	.18
12-SMBJ17A	SMBJ17A	SMB	17	18.9	20.9	1	27.6	21.7	5	600	.35	.30	.20	.18
12-SMBJ18A	SMBJ18A	SMB	18	20	22.1	1	29.2	20.5	5	600	.35	.30	.20	.18
12-SMCJ18A	SMCJ18A	SMC	18	20	22.1	1	29.2	51.4	5	1500	.73	.63	.43	.37
12-P6KE22A	P6KE22A	DO-15	18.8	20.9	23.1	1	30.6	20	5	600	.31	.26	.17	.15
12-SMBJ20A	SMBJ20A	SMB	20	22.2	24.5	1	32.4	18.5	5	600	.35	.30	.20	.18
12-P6KE24A	P6KE24A	DO-15	20.5	22.8	25.2	1	33.2	18.1	5	600	.31	.26	.17	.15
12-SMBJ22A	SMBJ22A	SMB	22	24.4	26.9	1	35.5	16.9	5	600	.35	.30	.20	.18
12-SMCJ22A	SMCJ22A	SMC	22	24.4	26.9	1	35.5	42.3	5	1500	.75	.65	.43	.37
12-SMCJ24A	SMCJ24A	SMC	24	26.7	29.5	1	38.9	38.6	5	1500	.75	.65	.43	.37
12-SMBJ26A	SMBJ26A	SMB	26	28.9	31.9	1	42.1	14.3	5	600	.35	.30	.20	.18
12-SMBJ28A	SMBJ28A	SMB	28	31.1	34.4	1	45.4	13.2	5	600	.37	.31	.21	.18
12-1V5KE33A	1V5KE33A	DO-201AE	28.2	31.4	34.7	1	45.7	33	5	1500	.62	.52	.36	.30
12-P6KE33A	P6KE33A	DO-15	28.2	31.4	34.7	1	45.7	13.2	5	600	.31	.26	.17	.15
12-SMBJ33A	SMBJ33A	SMB	33	36.7	40.6	1	53.3	11.3	5	600	.35	.30	.20	.18
12-SMBJ36A	SMBJ36A	SMB	36	40	44.2	1	58.1	10.3	5	600	.35	.30	.20	.18
12-SMCJ36A	SMCJ36A	SMC	36	40	44.2	1	58.1	25.8	5	1500	.75	.65	.43	.37
12-SA40A	SA40A	DO-15	40	44.4	49.1	1	64.5	7.8	1	500	.35	.30	.20	.18
12-SMBJ40A	SMBJ40A	SMB	40	44.4	49.1	1	64.5	9.3	5	600	.35	.30	.20	.18
12-SMCJ45A	SMCJ45A	SMC	45	50	55.3	1	72.7	20.6	5	1500	.75	.65	.43	.37
12-SMBJ51A	SMBJ51A	SMB	51	56.7	62.7	1	82.4	7.3	5	600	.35	.30	.20	.18
12-P6KE62A	P6KE62A	DO-15	53	58.9	65.1	1	85	7.1	5	600	.31	.26	.17	.15
12-SMBJ54A	SMBJ54A	SMB	54	60	66.3	1	87.1	6.9	5	600	.35	.30	.20	.18
12-SMCJ58A	SMCJ58A	SMC	58	64.4	71.2	1	93.6	16	5	1500	.75	.65	.43	.37
12-SMBJ60A	SMBJ60A	SMB	60	66.7	73.7	1	96.8	6.2	5	600	.37	.31	.21	.18
12-SMCJ60A	SMCJ60A	SMC	60	66.7	73.7	1	96.8	15.5	5	1500	.75	.65	.43	.37
12-SMBJ70A	SMBJ70A	SMB	70	77.8	86	1	113	5.3	5	600	.35	.30	.20	.18
12-SMCJ70A	SMCJ70A	SMC	70	77.8	86	1	113	13.3	5	1500	.75	.65	.43	.37
12-SMBJ75A	SMBJ75A	SMB	75	83.3	92.1	1	121	5	5	600	.35	.30	.20	.18
12-SMBJ78A	SMBJ78A	SMB	78	86.7	95.8	1	126	4.8	5	600	.35	.30	.20	.18
12-SMBJ85A	SMBJ85A	SMB	85	94.4	104	1	137	4.4	5	600	.35	.30	.20	.18
12-SMBJ100A	SMBJ100A	SMB	100	111	123	1	162	3.7	5	600	.38	.32	.22	.19
12-1V5KE150A	1V5KE150A	DO-201AE	128	143	158	1	207	7.2	5	1500	.62	.52	.36	.30
12-1V5KE170A	1V5KE170A	DO-201AE	145	162	179	1	234	6.4	5	1500	.62	.52	.36	.30
12-P6KE170A	P6KE170A	DO-15	145	162	179	1	234	2.6	5	600	.32	.28	.18	.16
12-SA150A	SA150A	DO-15	150	167	185	1	243	2.1	1	500	.37	.31	.21	.18
12-SMBJ150A	SMBJ150A	SMB	150	167	185	1	243	2.5	5	600	.35	.30	.20	.18
12-P6KE180A	P6KE180A	DO-15	154	171	189	1	246	2.4	5	600	.32	.28	.18	.16
12-SMCJ170A	SMCJ170A	SMC	170	189	209	1	275	5.5	5	1500	.73	.63	.43	.37
12-P6KE200A	P6KE200A	DO-15	171	190	210	1	274	2.2	5	600	.31	.26	.17	.15
12-P6KE250A	P6KE250A	DO-15	214	237	263	1	344	1.8	5	600	.31	.26	.17	.15
12-1V5KE400A	1V5KE400A	DO-201AE	342	380	420	1	548	2.8	5	1500	.90	.77	.52	.44
12-P6KE440A	P6KE440A	DO-15	376	418	462	1	602	1	5	600	.39	.34	.23	.20

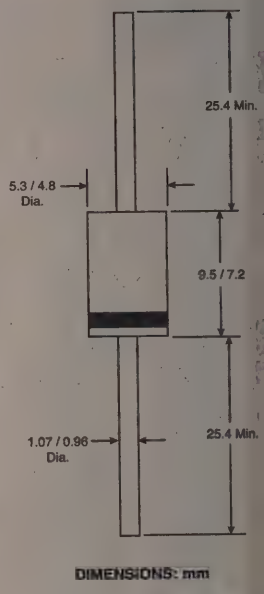
LITTELFUSE TVS (Silicon Avalanche) Diodes

Littelfuse

1.5KE SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temperature	Price Each			
			Min.	Max.	(mA)					1	10	100	250
576-1.5KE9.1	1.5KE9.1	7.37	8.19	10	1	50	13.8	109	0.068	.29	.24	.23	.22
576-1.5KE10	1.5KE10	8.1	9	11	1	10	15	100	0.073	.29	.24	.23	.22
576-1.5KE11	1.5KE11	8.92	9.9	12.1	1	5	16.2	93	0.075	.29	.24	.23	.22
576-1.5KE12	1.5KE12	9.72	10.8	13.2	1	5	17.3	87	0.078	.29	.24	.23	.22
576-1.5KE13	1.5KE13	10.5	11.7	14.3	1	5	19	79	0.081	.29	.24	.23	.22
576-1.5KE15	1.5KE15	12.1	13.5	16.5	1	5	22	68	0.084	.29	.24	.23	.22
576-1.5KE15C	1.5KE15C	12.1	13.5	16.5	1	5	22	68	0.084	.31	.27	.25	.23
576-1.5KE16	1.5KE16	12.9	14.4	17.6	1	5	23.5	64	0.086	.29	.24	.23	.22
576-1.5KE18	1.5KE18	14.5	16.2	19.8	1	5	26.5	56.5	0.088	.29	.24	.23	.22
576-1.5KE22	1.5KE22	17.8	19.8	24.2	1	5	31.9	47	0.092	.29	.24	.23	.22
576-1.5KE24	1.5KE24	19.4	21.6	26.4	1	5	34.7	43	0.094	.29	.24	.23	.22
576-1.5KE27	1.5KE27	21.8	24.3	29.7	1	5	39.1	38.5	0.096	.29	.24	.23	.22
576-1.5KE30	1.5KE30	24.3	27	33	1	5	43.5	34.5	0.097	.28	.25	.23	.21
576-1.5KE33	1.5KE33	26.8	29.7	36.3	1	5	47.7	31.5	0.098	.29	.24	.23	.22
576-1.5KE36	1.5KE36	29.1	32.4	39.6	1	5	52	29	0.099	.29	.24	.23	.22
576-1.5KE39	1.5KE39	31.6	35.1	42.9	1	5	56.4	26.5	0.1	.29	.24	.23	.22
576-1.5KE43	1.5KE43	34.8	38.7	47.3	1	5	61.9	24	0.101	.29	.24	.23	.22
576-1.5KE47	1.5KE47	38.1	42.3	51.7	1	5	67.8	22.2	0.101	.29	.24	.23	.22
576-1.5KE51	1.5KE51	41.3	45.9	56.1	1	5	73.5	20.4	0.102	.29	.24	.23	.22
576-1.5KE56	1.5KE56	45.4	50.4	61.6	1	5	80.5	18.6	0.103	.29	.24	.23	.22
576-1.5KE62	1.5KE62	50.2	55.8	68.2	1	5	89	16.9	0.104	.29	.24	.23	.22
576-1.5KE68	1.5KE68	55.1	61.2	74.8	1	5	98	15.3	0.104	.29	.24	.23	.22
576-1.5KE75	1.5KE75	60.7	67.5	82.5	1	5	108	13.9	0.105	.29	.24	.23	.22
576-1.5KE82	1.5KE82	66.4	73.8	90.2	1	5	118	12.7	0.105	.29	.24	.23	.22
576-1.5KE91	1.5KE91	73.7	81.9	100	1	5	131	11.4	0.106	.29	.24	.23	.22
576-1.5KE100	1.5KE100	81	90	110	1	5	144	10.4	0.106	.29	.24	.23	.22
576-1.5KE130C	1.5KE130C	105	117	143	1	5	187	8	0.107	.31	.27	.25	.23
576-1.5KE150	1.5KE150	121	135	165	1	5	215	7	0.108	.29	.24	.23	.22
576-1.5KE170	1.5KE170	138	153	187	1	5	244	6.2	0.108	.29	.24	.23	.22
576-1.5KE180	1.5KE180	146	162	198	1	5	258	5.8	0.108	.29	.24	.23	.22
576-1.5KE200	1.5KE200	162	180	220	1	5	287	5.2	0.108	.29	.24	.23	.22
576-1.5KE220	1.5KE220	175	198	242	1	5	344	4.3	0.108	.39	.34	.31	.30
576-1.5KE250	1.5KE250	202	225	275	1	5	360	5	0.11	.39	.34	.31	.30
576-1.5KE300	1.5KE300	243	270	330	1	5	430	3.5	0.11	.39	.34	.31	.30
576-1.5KE350	1.5KE350	284	315	385	1	5	504	3	0.11	.39	.34	.31	.30
576-1.5KE440A	1.5KE440A	376	418	462	1	5	602	2.5	0.11	.40	.35	.32	.31

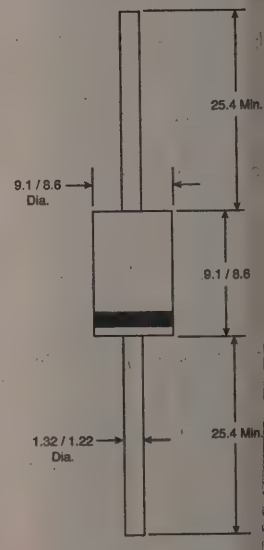


DIMENSIONS: mm

5KP SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temperature	Price Each			
			Min.	Max.	(mA)					1	10	100	250
576-5KP6.0	5KP6.0	6	6.67	8.15	50	5000	11.4	439	4	1.51	1.32	1.21	1.14
576-5KP6.5	5KP6.5	6.5	7.22	8.82	50	2000	12.3	407	4	1.51	1.32	1.21	1.14
576-5KP7.0	5KP7.0	7	7.78	9.51	50	1000	13.3	378	5	1.51	1.32	1.21	1.14
576-5KP7.5	5KP7.5	7.5	8.33	10.2	5	250	14.3	350	6	1.51	1.32	1.21	1.14
576-5KP8.0	5KP8.0	8	8.89	10.9	5	150	15	333	6	1.51	1.32	1.21	1.14
576-5KP8.5	5KP8.5	8.5	9.44	11.5	5	50	15.9	314	7	1.51	1.32	1.21	1.14
576-5KP9.0	5KP9.0	9	10	12.2	5	20	16.9	295	8	1.51	1.32	1.21	1.14
576-5KP10	5KP10	10	11.1	13.6	5	15	18.8	266	9	1.51	1.32	1.21	1.14
576-5KP11	5KP11	11	12.2	14.9	5	10	20.1	249	10	1.51	1.32	1.21	1.14
576-5KP12	5KP12	12	13.3	16.3	5	10	22	227	11	1.51	1.32	1.21	1.14
576-5KP13	5KP13	13	14.4	17.6	5	10	23.8	210	12	1.51	1.32	1.21	1.14
576-5KP14	5KP14	14	15.6	19.1	5	10	25.8	194	13	1.51	1.32	1.21	1.14
576-5KP15	5KP15	15	16.7	20.4	5	10	26.9	188	15	1.51	1.32	1.21	1.14
576-5KP16	5KP16	16	17.8	21.8	5	10	28.8	176	18	1.51	1.32	1.21	1.14
576-5KP17	5KP17	17	18.9	23.1	5	10	30.5	164	19	1.51	1.32	1.21	1.14
576-5KP18	5KP18	18	20	24.4	5	10	32.2	155	20	1.51	1.32	1.21	1.14
576-5KP20	5KP20	20	22.2	27.1	5	10	35.8	139	24	1.51	1.32	1.21	1.14
576-5KP22	5KP22	22	24.4	29.8	5	10	39.4	127	27	1.51	1.32	1.21	1.14
576-5KP26	5KP26	26	28.9	35.3	5	10	46.6	107	33	1.51	1.32	1.21	1.14
576-5KP28	5KP28	28	31.1	39	5	10	50.1	99	34	1.51	1.32	1.21	1.14
576-5KP33	5KP33	33	36.7	44.9	5	10	59	85	41	1.51	1.32	1.21	1.14
576-5KP36	5KP36	36	40	48.9	5	10	64.3	78	45	1.51	1.32	1.21	1.14
576-5KP40	5KP40	40	44.4	54.3	5	10	71.4	70	50	1.51	1.32	1.21	1.14
576-5KP43	5KP43	43	47.8	58.4	5	10	76.7	65	54	1.51	1.32	1.21	1.14
576-5KP45	5KP45	45	50	61.1	5	10	80.3	62	57	1.51	1.32	1.21	1.14
576-5KP48	5KP48	48	53.3	65.2	5	10	85.5	58	62	1.51	1.32	1.21	1.14
576-5KP51	5KP51	51	56.7	69.3	5	10	91.1	55	65	1.51	1.32	1.21	1.14
576-5KP54	5KP54	54	60	73.3	5	10	96.3	52	70	1.51	1.32	1.21	1.14
576-5KP58	5KP58	58	64.4	78.7	5	10	103	49	77	1.51	1.32	1.21	1.14
576-5KP60	5KP60	60	66.7	81.5	5	10	107	47	79	1.51	1.32	1.21	1.14
576-5KP64	5KP64	64	71	86.9	5	10	114	44	85	1.51	1.32	1.21	1.14
576-5KP70	5KP70	70	77	95.1	5	10	125	40	93	1.51	1.32	1.21	1.14
576-5KP78	5KP78	78	86.7	106	5	10	139	36	104	1.51	1.32	1.21	1.14
576-5KP85	5KP85	85	94.4	115	5	10	151	33	113	1.51	1.32	1.21	1.14
576-5KP90	5KP90	90	100	122	5	10	160	31	120	1.51	1.32	1.21	1.14
576-5KP100	5KP100	100	111	136	5	10	179	28	134	1.51	1.32	1.21	1.14
576-5KP110A	5KP110A	110	122	149	5	10	196	26	147	1.56	1.36	1.24	1.18
576-5KP120	5KP120	120	133	1603	5	10	215	23	158	1.51	1.32	1.21	1.14

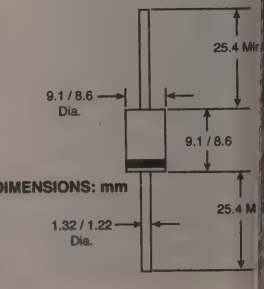


DIMENSIONS: mm

15KP SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT		Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temperature	Price Each			
			Min.	(mA)					1	10	100	250
576-15KP17	15KP17	17	18.9	50	5000	32.2	464	19	10.18	8.89	8.11	7.63
576-15KP18	15KP18	18	20	50	5000	34.2	439	20	10.20	8.88	8.13	7.62
576-15KP20	15KP20	20	22.2	20	1500	37.9	396	24	10.18	8.89	8.11	7.63
576-15KP22	15KP22	22	24.4	10	500	41.1	365	27	10.18	8.89	8.11	7.63
576-15KP24	15KP24	24	26.7	5	150	45	333	30	10.18	8.89	8.11	7.63
576-15KP28	15KP28	28	31.1	5	25	52.4	286	35	10.18	8.89	8.11	7.63
576-15KP30	15KP30	30	33.3	5	15	56.2	267	27	10.18	8.89	8.11	7.63
576-15KP33	15KP33	33	36.7	5	10	60.6	248	42	10.18	8.89	8.11	7.63
576-15KP36	15KP36	36	40	5	10	66	227	46	10.18	8.89	8.11	7.63
576-15KP43	15KP43	43	47.8	5	10	77.1	195	55	10.18	8.89	8.11	7.63
576-15KP45	15KP45	45	50	5	10	80.7	186	57	10.18	8.89	8.11	7.63
576-15KP48	15KP48	48	53.3	5	10	85.9	175	62	10.18	8.89	8.11	7.63

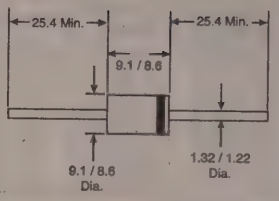


DIMENSIONS: mm

KP SERIES (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temperature	Price Each			
			Min.		(mA)					1	10	100	250
-15KP51	15KP51	51	56.7		5	10	91.5	164	66	10.18	8.89	8.11	7.63
-15KP54	15KP54	54	60		5	10	96.8	155	70	10.18	8.89	8.11	7.63
-15KP58	15KP58	58	64.4		5	10	104	144	76	10.18	8.89	8.11	7.63
-15KP60	15KP60	60	66.7		5	10	107	140	78	10.18	8.89	8.11	7.63
-15KP64	15KP64	64	71.1		5	10	115	130	84	10.18	8.89	8.11	7.63
-15KP70	15KP70	70	77.8		5	10	126	119	92	10.18	8.89	8.11	7.63
-15KP78	15KP78	78	86.7		5	10	140	107	104	10.18	8.89	8.11	7.63
-15KP85	15KP85	85	94.4		5	10	152	99	113	10.18	8.89	8.11	7.63
-15KP100	15KP100	100	111		5	10	179	84	134	10.18	8.89	8.11	7.63
-15KP180	15KP180	180	200		5	10	321	47	242	10.20	8.88	8.13	7.62

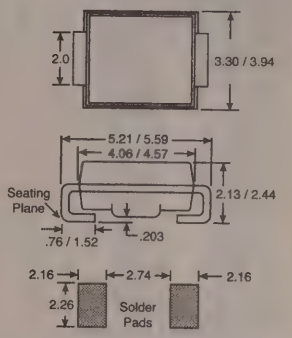


DIMENSIONS: mm

SMBJ SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Device Code	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Price Each			
				Min.	Max.	(mA)				1	10	100	250
-1KSMBJ15	1KSMBJ15	N10Q	12.1	13.5	16.5	1	5	22	45	.30	.27	.25	.23
-1KSMBJ16	1KSMBJ16	N10S	12.9	14.4	17.6	1	5	23.5	43.3	.30	.27	.25	.23
-1KSMBJ16A	1KSMBJ16A	N10T	13.6	15.2	16.8	1	5	22.5	45	.31	.28	.25	.24
-1KSMBJ18	1KSMBJ18	N10U	14.5	16.2	19.8	1	5	26.5	38	.30	.27	.25	.23
-1KSMBJ22	1KSMBJ22	N10Y	17.8	19.8	24.2	1	5	31.9	31.7	.30	.27	.25	.23
-1KSMBJ24	1KSMBJ24	O10A	19.4	21.6	26.4	1	5	34.7	28.3	.30	.27	.25	.23
-1KSMBJ27	1KSMBJ27	O10C	21.8	24.3	29.7	1	5	39.1	25.5	.30	.27	.25	.23
-1KSMBJ30	1KSMBJ30	O10E	24.3	27	33	1	5	43.5	22.9	.30	.27	.25	.23
-1KSMBJ33	1KSMBJ33	O10G	26.8	29.7	36.3	1	5	47.7	21	.30	.27	.25	.23
-1KSMBJ36	1KSMBJ36	O10I	29.1	32.4	39.6	1	5	52	19.2	.30	.27	.25	.23
-1KSMBJ47	1KSMBJ47	O10O	38.1	42.3	51.7	1	5	67.8	14.8	.30	.27	.25	.23
-1KSMBJ51	1KSMBJ51	O10Q	41.3	45.9	56.1	1	5	73.5	13.7	.30	.27	.25	.23
-1KSMBJ56	1KSMBJ56	O10S	45.4	50.4	61.6	1	5	80.5	12.3	.30	.27	.25	.23
-1KSMBJ62	1KSMBJ62	O10U	50.2	55.8	68.2	1	5	89	11.3	.30	.27	.25	.23
-1KSMBJ68	1KSMBJ68	O10W	55.1	61.2	74.8	1	5	98	10.2	.30	.27	.25	.23
-1KSMBJ160A	1KSMBJ160A	P10P	136	152	168	1	5	219	4.6	.31	.28	.25	.24



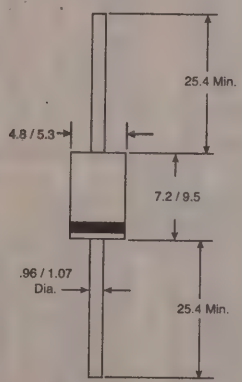
DIMENSIONS: mm

E SERIES

DIMENSIONS: mm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Capacitance @ 0 Volts (pF)	Price Each			
			Min.	Max.	(mA)					1	10	100	250
LCE6.5A	LCE6.5A	6.5	7.22	7.98	10	1000	11.2	100	100	1.13	.98	.89	.85
LCE7.0A	LCE7.0A	7	7.78	8.6	10	500	12	100	100	1.13	.98	.89	.85
LCE7.5A	LCE7.5A	7.5	8.33	9.21	10	250	12.9	100	100	1.13	.98	.89	.85
LCE8.0A	LCE8.0A	8	8.89	9.83	1	100	13.6	100	100	1.13	.98	.89	.85
LCE8.5A	LCE8.5A	8.5	9.44	10.4	1	50	14.4	100	100	1.13	.98	.89	.85
LCE9.0A	LCE9.0A	9	10	11.1	1	10	15.4	97	100	1.13	.98	.89	.85
LCE10A	LCE10A	10	11.1	12.3	1	5	17	88	100	1.13	.98	.89	.85
LCE11A	LCE11A	11	12.2	13.5	1	5	18.2	82	100	1.13	.98	.89	.85
LCE12A	LCE12A	12	13.3	14.7	1	5	19.9	75	100	1.13	.98	.89	.85
LCE13A	LCE13A	13	14.4	15.9	1	5	21.5	70	100	1.13	.98	.89	.85
LCE14A	LCE14A	14	15.6	17.2	1	5	23.2	65	100	1.13	.98	.89	.85
LCE15A	LCE15A	15	16.7	18.5	1	5	24.4	61	100	1.13	.98	.89	.85
LCE16A	LCE16A	16	17.8	19.7	1	5	26	57	100	1.13	.98	.89	.85
LCE17A	LCE17A	17	18.6	20.9	1	5	27.6	54	100	1.13	.98	.89	.85
LCE18A	LCE18A	18	20	22.1	1	5	29.2	51	100	1.13	.98	.89	.85
LCE20A	LCE20A	20	22.2	24.5	1	5	32.4	46	100	1.13	.98	.89	.85
LCE22A	LCE22A	22	24.4	26.9	1	5	35.5	42	100	1.13	.98	.89	.85
LCE24A	LCE24A	24	26.7	29.5	1	5	38.9	39	100	1.13	.98	.89	.85
LCE26A	LCE26A	26	28.9	31.9	1	5	42.1	36	100	1.13	.98	.89	.85
LCE28A	LCE28A	28	31.1	34.4	1	5	45.5	33	100	1.13	.98	.89	.85

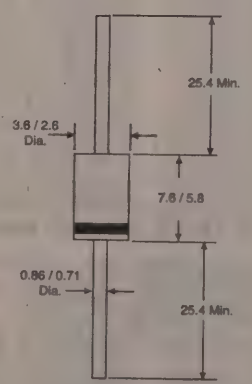


KE SERIES

DIMENSIONS: mm

For quantities of 500 and up, call for quote.

OUSER OCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temperature	Price Each			
			Min.	Max.	(mA)					1	10	100	250
P6KE7.5	P6KE7.5	6.05	6.75	8.25	10	500	11.7	51	0.061	.20	.18	.16	.15
P6KE8.2	P6KE8.2	6.63	7.38	9.02	10	200	12.5	48	0.065	.20	.18	.16	.15
P6KE9.1	P6KE9.1	7.37	8.19	10	1	50	13.8	44	0.068	.20	.18	.16	.15
P6KE10	P6KE10	8.1	9	11	1	10	15	40	0.073	.20	.18	.16	.15
P6KE11	P6KE11	8.92	9.9	12.1	1	5	16.2	37	0.075	.20	.18	.16	.15
P6KE12	P6KE12	9.72	10.8	13.2	1	5	17.3	35	0.078	.20	.18	.16	.15
P6KE13	P6KE13	10.5	11.7	14.3	1	5	19	32	0.081	.20	.18	.16	.15
P6KE16	P6KE16	12.9	14.4	17.6	1	5	23.5	26	0.086	.20	.18	.16	.15
P6KE18	P6KE18	14.5	16.2	19.8	1	5	26.5	23	0.088	.20	.18	.16	.15
P6KE22	P6KE22	17.8	19.8	24.2	1	5	31.9	19	0.092	.20	.17	.15	.14
P6KE24	P6KE24	19.4	21.6	26.4	1	5	34.7	17	0.094	.20	.18	.16	.15
P6KE30	P6KE30	24.3	27	33	1	5	43.5	14	0.097	.20	.18	.16	.15
P6KE30A	P6KE30A	25.6	28.5	31.5	1	5	41.4	14.4	0.097	.21	.18	.17	.15
P6KE33	P6KE33	26.8	29.7	36.3	1	5	47.7	12.6	0.098	.20	.18	.16	.15
P6KE36	P6KE36	29.1	32.4	39.6	1	5	52	11.6	0.099	.20	.18	.16	.15
P6KE39	P6KE39	31.6	35.1	42.9	1	5	56.4	10.5	0.1	.20	.18	.16	.15
P6KE43	P6KE43	34.8	38.7	47.3	1	5	61.9	9.6	0.101	.20	.18	.16	.15
P6KE47	P6KE47	38.1	42.3	51.7	1	5	67.8	8.9	0.101	.20	.18	.16	.15
P6KE51	P6KE51	41.3	45.9	56.1	1	5	73.5	8.2	0.102	.20	.18	.16	.15
P6KE56	P6KE56	45.4	50.4	61.6	1	5	80.5	7.4	0.103	.20	.18	.16	.15
P6KE62	P6KE62	50.2	55.8	68.2	1	5	89	6.8	0.104	.20	.18	.16	.15
P6KE68	P6KE68	55.1	61.2	74.8	1	5	98	6.1	0.104	.20	.18	.16	.15
P6KE75	P6KE75	60.7	67.5	82.5	1	5	108	5.5	0.105	.20	.18	.16	.15
P6KE82	P6KE82	66.4	73.8	90.2	1	5	118	5.1	0.105	.20	.18	.16	.15
P6KE91	P6KE91	73.7	81.9	100	1	5	131	4.5	0.106	.20	.18	.16	.15
P6KE110	P6KE110	89.2	99	121	1	5	158	3.8	0.107	.20	.18	.16	.15



LITTELFUSE TVS (Silicon Avalanche) Diodes

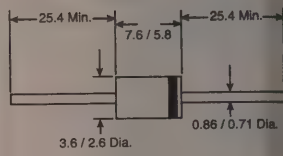
Littelfuse

P6KE SERIES (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temperature	Price Each			
			Min.	Max.	(mA)					1	10	100	250
576-P6KE120	P6KE120	97.2	108	132	1	5	173	3.5	0.107	.20	.18	.16	.15
576-P6KE130	P6KE130	105	117	143	1	5	187	3.2	0.107	.20	.18	.16	.15
576-P6KE160	P6KE160	130	144	176	1	5	230	2.6	0.108	.20	.18	.16	.15
576-P6KE170	P6KE170	138	153	187	1	5	244	2.5	0.108	.20	.18	.16	.15
576-P6KE180	P6KE180	146	162	198	1	5	258	2.3	0.108	.20	.18	.16	.15
576-P6KE250	P6KE250	202	225	275	1	5	360	1.67	0.11	.22	.19	.18	.17
576-P6KE300	P6KE300	243	270	330	1	5	430	1.4	0.11	.22	.19	.18	.17
576-P6KE350	P6KE350	284	315	385	1	5	504	1.2	0.11	.22	.19	.18	.17

DIMENSIONS: mm

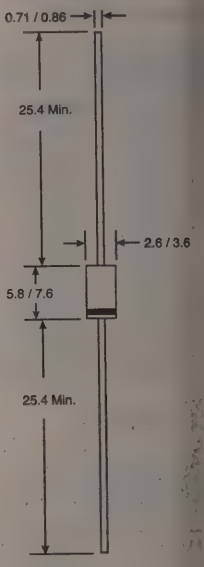


SA SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temperature	Price Each			
			Min.	Max.	(mA)					1	10	100	250
576-SA6.0C	SA6.0C	6	6.67	8.15	10	600	11.4	43.9	5	.26	.22	.20	.19
576-SA8.0C	SA8.0C	8	8.89	10.9	1	25	15	33.3	7	.26	.22	.20	.19
576-SA8.5C	SA8.5C	8.5	9.44	11.5	1	10	15.9	31.4	8	.26	.22	.20	.19
576-SA9.0C	SA9.0C	9	10	12.2	1	5	16.9	29.5	9	.26	.22	.20	.19
576-SA11C	SA11C	11	12.2	14.9	1	3	20.1	24.9	11	.26	.22	.20	.19
576-SA12C	SA12C	12	13.3	16.3	1	3	22	22.7	12	.26	.22	.20	.19
576-SA14C	SA14C	14	15.6	19.1	1	3	25.8	19.4	14	.25	.22	.20	.18
576-SA15C	SA15C	15	16.7	20.4	1	3	26.9	18.8	16	.26	.22	.20	.19
576-SA16C	SA16C	16	17.8	21.8	1	3	28.8	17.6	19	.26	.22	.20	.19
576-SA17C	SA17C	17	18.9	23.1	1	3	30.5	16.4	20	.26	.22	.20	.19
576-SA22C	SA22C	22	24.4	29.8	1	3	39.4	12.7	28	.26	.22	.20	.19
576-SA24C	SA24C	24	26.7	32.6	1	3	43	11.6	31	.26	.22	.20	.19
576-SA28	SA28	28	31.1	38	1	3	50	9.9	35	.23	.20	.18	.16
576-SA30C	SA30C	30	33.3	40.7	1	3	53.5	9.3	39	.26	.22	.20	.19
576-SA33C	SA33C	33	36.7	44.9	1	3	59	8.5	42	.26	.22	.20	.19
576-SA40C	SA40C	40	44.4	54.3	1	3	71.4	7	51	.26	.22	.20	.19
576-SA43C	SA43C	43	47.8	58.4	1	3	76.7	6.5	55	.26	.22	.20	.19
576-SA45C	SA45C	45	50	61.1	1	3	80.3	6.2	58	.26	.22	.20	.19
576-SA48C	SA48C	48	53.3	65.1	1	3	85.5	5.8	63	.26	.22	.20	.19
576-SA54	SA54	54	60	73.3	1	3	96.3	5.2	71	.23	.20	.18	.16
576-SA54C	SA54C	54	60	73.3	1	3	96.3	5.2	71	.26	.22	.20	.19
576-SA58C	SA58C	58	64.4	78.7	1	3	103	4.9	78	.26	.22	.20	.19
576-SA60C	SA60C	60	66.7	81.5	1	3	107	4.7	80	.26	.22	.20	.19
576-SA64C	SA64C	64	71	86.9	1	3	114	4.4	86	.26	.22	.20	.19
576-SA70C	SA70C	70	77.8	95.1	1	3	125	4	94	.26	.22	.20	.19
576-SA75C	SA75C	75	83	102	1	3	134	3.7	101	.26	.22	.20	.19
576-SA78C	SA78C	78	86	106	1	3	139	3.6	105	.26	.22	.20	.19
576-SA85C	SA85C	85	94	115	1	3	151	3.3	114	.26	.22	.20	.19
576-SA110C	SA110C	110	122	149	1	3	196	2.6	148	.26	.22	.20	.19
576-SA120C	SA120C	120	133	163	1	3	214	2.3	162	.26	.22	.20	.19
576-SA130C	SA130C	130	144	176	1	3	231	2.2	175	.26	.22	.20	.19
576-SA150C	SA150C	150	167	204	1	3	268	1.9	203	.26	.22	.20	.19
576-SA160C	SA160C	160	178	218	1	3	287	1.7	217	.26	.22	.20	.19
576-SA170C	SA170C	170	189	231	1	3	304	1.6	230	.26	.22	.20	.19

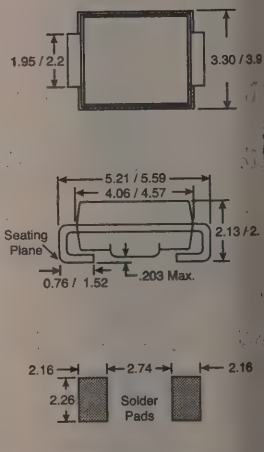
DIMENSIONS: mm



SMBJ SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Type	Device Code	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT		Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Price Each			
					Min.	(mA)				1	10	100	250
576-SMBJ10A	SMBJ10A	Uni-Polar	KX	10	11.1	1	5	17	35.3	.22	.19	.17	.16
576-SMBJ15	SMBJ15	Uni-Polar	LL	15	16.7	1	5	26.9	22.3	.22	.19	.17	.15
576-SMBJ10C	SMBJ10C	Bi-Polar	AW	10	11.1	1	5	18.8	31.9	.24	.20	.18	.17
576-SMBJ11C	SMBJ11C	Bi-Polar	AY	11	12.2	1	5	20.1	29.9	.24	.20	.18	.17
576-SMBJ13C	SMBJ13C	Bi-Polar	BF	13	14.4	1	5	23.8	25.2	.24	.20	.18	.17
576-SMBJ17C	SMBJ17C	Bi-Polar	BQ	17	18.9	1	5	30.5	19.7	.24	.20	.18	.17
576-SMBJ48	SMBJ48	Uni-Polar	MW	48	53.3	1	5	85.5	7	.22	.19	.17	.15
576-SMBJ20C	SMBJ20C	Bi-Polar	BU	20	22.2	1	5	35.8	16.7	.24	.20	.18	.17
576-SMBJ24C	SMBJ24C	Bi-Polar	BY	24	26.7	1	5	43	14	.24	.20	.18	.17
576-SMBJ26C	SMBJ26C	Bi-Polar	CD	26	28.9	1	5	46.6	12.4	.24	.20	.18	.17
576-SMBJ28C	SMBJ28C	Bi-Polar	CF	28	31.1	1	5	50	12	.24	.20	.18	.17
576-SMBJ43C	SMBJ43C	Bi-Polar	CS	43	47.8	1	5	76.7	7.8	.24	.20	.18	.17
576-SMBJ45C	SMBJ45C	Bi-Polar	CU	45	50	1	5	80.3	7.5	.24	.20	.18	.17
576-SMBJ48C	SMBJ48C	Bi-Polar	CW	48	53.3	1	5	85.5	7	.24	.20	.18	.17
576-SMBJ51C	SMBJ51C	Bi-Polar	CY	51	56.7	1	5	91.1	6.6	.24	.20	.18	.17
576-SMBJ54C	SMBJ54C	Bi-Polar	DD	54	60	1	5	96.3	6.2	.24	.20	.18	.17
576-SMBJ58C	SMBJ58C	Bi-Polar	DF	58	64.4	1	5	103	5.8	.24	.20	.18	.17
576-SMBJ100A	SMBJ100A	Uni-Polar	NZ	100	111	1	5	162	3.7	.22	.19	.17	.16
576-SMBJ64C	SMBJ64C	Bi-Polar	DL	64	71.1	1	5	114	5.3	.24	.20	.18	.17
576-SMBJ70C	SMBJ70C	Bi-Polar	DN	70	77.8	1	5	125	4.8	.24	.20	.18	.17
576-SMBJ75C	SMBJ75C	Bi-Polar	DQ	75	83.3	1	5	134	4.5	.24	.20	.18	.17
576-SMBJ78C	SMBJ78C	Bi-Polar	DS	78	86.7	1	5	139	4.3	.24	.20	.18	.17
576-SMBJ85C	SMBJ85C	Bi-Polar	DU	85	94.4	1	5	151	3.9	.24	.20	.18	.17
576-SMBJ90C	SMBJ90C	Bi-Polar	DW	90	100	1	5	160	3.8	.24	.20	.18	.17
576-SMBJ100C	SMBJ100C	Bi-Polar	DY	100	111	1	5	179	3.4	.24	.20	.18	.17
576-SMBJ100CA	SMBJ100CA	Bi-Polar	DZ	100	111	1	5	162	3.7	.24	.21	.19	.17
576-SMBJ110C	SMBJ110C	Bi-Polar	ED	110	122	1	5	196	3	.24	.20	.18	.17
576-SMBJ130C	SMBJ130C	Bi-Polar	EH	130	144	1	5	231	2.6	.24	.20	.18	.17
576-SMBJ170C	SMBJ170C	Bi-Polar	EQ	170	189	1	5	304	2	.24	.20	.18	.17

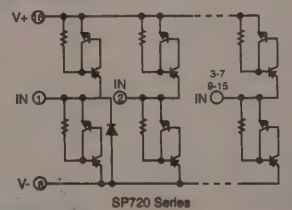


DIMENSIONS: mm

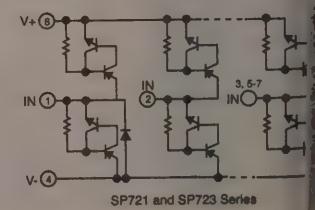
TVS DIODE ARRAYS Electronic Protection Array for ESD and Overvoltage Protection

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Pkg.	Inputs	Price Each			
				1	10	100	250
576-SP720AB	SP720AB	SOIC-16	14	1.80	1.57	1.43	1.35
576-SP720AP	SP720AP	PDIP-16	14	1.80	1.57	1.43	1.35
576-SP721AB	SP721AB	SOIC-8	6	1.25	1.09	.99	.94
576-SP721AP	SP721AP	PDIP-8	6	1.25	1.09	.99	.94
576-SP723AB	SP723AB	SOIC-8	6	1.64	1.43	1.31	1.24
576-SP723AP	SP723AP	PDIP-8	6	1.68	1.47	1.34	1.27



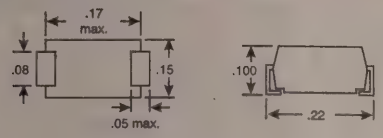
SP720 Series



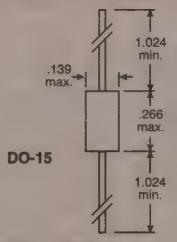
SP721 and SP723 Series

MOUSER ELECTRONICS a ttl company

DIMENSIONS: IN



DO-214AA



DO-15

CROWBAR TYPE PROTECTION DIODES

♦ Surface Mount Devices

For quantities 2,000 and up, call for quote.

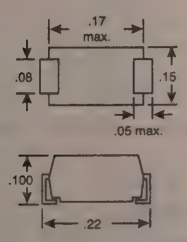
places Teccor	MOUSER STOCK NO.	STM Part No.	Package	VBR @ IR (V) Min.	VBR @ IR (mA) Min.	VBO @ IBO (V) Min.	VBO @ IBO (mA) Min.	IPP (A) Max.	ITSM (A) Max.	IH (mA) Min.	Price Each 1	100	500	1000
----	♦511-SMTPA62	SMTPA62	DO-214AA	62	0.05	82	800	50	30	150	.66	.56	.50	.46
340EA70	511-TPA62	TPA62	DO-15	62	0.05	82	300	50	30	150	.48	.41	.36	.33
----	♦511-SMTPA68	SMTPA68	DO-214AA	68	1	90	800	50	30	150	.66	.56	.50	.46
----	♦511-SMTPA100	SMTPA100	DO-214AA	100	0.05	133	800	50	30	150	.95	.57	.39	.30
----	♦511-SMTPA120	SMTPA120	DO-214AA	120	0.05	160	800	50	30	150	.66	.56	.50	.46
500EA70	511-TPA120	TPA120	DO-15	120	0.05	160	800	50	30	150	.36	.31	.27	.25
----	511-SMTPA130	SMTPA130	DO-214AA	130	0.05	173	800	50	30	150	.66	.56	.50	.46
500EA70	511-TPA130	TPA130	DO-15	130	0.05	173	800	50	30	150	.48	.41	.36	.33
300SA	♦511-SMTPA180	SMTPA180	DO-214AA	180	0.05	240	800	50	30	150	.86	.51	.35	.27
300EA70	511-TPA180	TPA180	DO-15	180	0.05	240	800	50	30	150	.36	.31	.27	.25
----	♦511-SMTPA200	SMTPA200	DO-214AA	200	0.05	267	800	50	30	150	.66	.56	.50	.46
300SA	♦511-SMTPA220	SMTPA220	DO-214AA	220	0.05	293	800	50	30	150	.66	.56	.50	.46
500AA61	511-TPA220	TPA220	DO-15	220	0.05	293	800	50	30	150	.36	.31	.27	.25
00SA	♦511-SMTPA240	SMTPA240	DO-214AA	240	0.05	320	800	50	30	150	.66	.56	.50	.46
000AA61	511-TPA240	TPA240	DO-15	240	0.05	320	800	50	30	150	.36	.31	.27	.25
500SA	♦511-SMTPA270	SMTPA270	DO-214AA	270	0.05	360	800	50	30	150	.99	.55	.37	.31
00EA70	511-TPA270	TPA270	DO-15	270	0.05	360	300	50	30	150	.36	.31	.27	.25

TRANSIENT VOLTAGE SUPPRESSORS

For quantities 2,000 and up, call for quote.

eries	Type	Price Each 1	100	500	1000
6T	Undirectional	.48	.41	.36	.33
6T	Bidirectional	.55	.30	.20	.18
BJ	Undirectional	.55	.31	.18	.15
BJ	Bidirectional	.44	.37	.33	.30

DIMENSIONS: IN



DO-214AA

SM6T Series 600 Watt

♦ Surface Mount Devices

MOUSER STOCK NO. Undirectional Mfr.	Undirectional Mfr. Part No.	Bidirectional Mfr.	Bidirectional Mfr. Part No.	Package	VBR @ It Min. (V)	VBR @ It Max. (V)	VBR @ It (mA)	VRWM (V)	IRSM Max. (A)	VRSM Max. (V)
♦511—	SM6T6V8A	511—	SM6T6V8CA	DO-214AA	6.45	7.14	10	5.80	57.00	10.5
♦511—	SM6T7V5A	511—	SM6T7V5CA	DO-214AA	7.13	7.88	10	6.40	53.00	11.3
♦511—	SM6T10A	511—	SM6T10CA	DO-214AA	9.50	10.50	1	8.55	41.00	14.5
♦511—	SM6T15A	511—	SM6T15CA	DO-214AA	14.30	15.80	1	12.80	28.00	21.2
♦511—	SM6T18A	511—	SM6T18CA	DO-214AA	17.10	18.90	1	15.30	24.00	25.2
♦511—	SM6T22A	511—	SM6T22CA	DO-214AA	20.90	23.10	1	18.80	20.00	30.6
♦511—	SM6T24A	511—	SM6T24CA	DO-214AA	22.80	25.20	1	20.50	18.00	33.2
♦511—	SM6T27A	511—	SM6T27CA	DO-214AA	25.70	28.40	1	23.10	16.00	37.5
♦511—	SM6T30A	511—	SM6T30CA	DO-214AA	28.50	31.50	1	25.60	14.50	41.5
♦511—	SM6T33A	511—	SM6T33CA	DO-214AA	31.40	34.70	1	28.20	13.10	45.7
♦511—	SM6T36A	511—	SM6T36CA	DO-214AA	34.20	37.80	1	30.80	12.00	49.9
♦511—	SM6T39A	511—	SM6T39CA	DO-214AA	37.10	41.00	1	33.30	11.10	53.9
♦511—	SM6T68A	511—	SM6T68CA	DO-214AA	64.60	71.40	1	58.10	6.50	92.0
♦511—	SM6T100A	511—	SM6T100CA	DO-214AA	95.00	105.00	1	85.50	4.40	137.0
♦511—	SM6T200A	511—	SM6T200CA	DO-214AA	190.00	210.00	1	171.00	2.20	274.0

SMBJ Series 600 Watt

MOUSER STOCK NO. Undirectional Mfr.	Undirectional Mfr. Part No.	Bidirectional Mfr.	Bidirectional Mfr. Part No.	Package	VBR @ It Min. (V)	VBR @ It Max. (V)	VBR @ It (mA)	VRWM (V)	IRSM Max. (A)	VRSM Max. (V)
♦511—	SMBJ5.0A	511—	SMBJ5.0CA	DO-214AA	6.40	7.07	10	5.00	68.00	9.2
♦511—	SMBJ12A	511—	SMBJ12CA	DO-214AA	13.30	14.70	1	12.00	31.00	19.9
♦511—	SMBJ13A	511—	SMBJ13CA	DO-214AA	14.40	15.90	1	13.00	29.00	21.5
♦511—	SMBJ15A	511—	SMBJ15CA	DO-214AA	16.70	18.50	1	15.00	25.10	24.4
♦511—	SMBJ18A	511—	SMBJ18CA	DO-214AA	20.00	22.10	1	18.00	21.50	29.0
♦511—	SMBJ22A	----	--------	DO-214AA	24.40	26.90	1	22.00	17.70	35.5
♦511—	SMBJ24A	511—	SMBJ24CA	DO-214AA	26.70	29.50	1	24.00	16.00	38.9
♦511—	SMBJ26A	----	--------	DO-214AA	28.90	31.90	1	26.00	14.90	42.1
♦511—	SMBJ30A	511—	SMBJ30CA	DO-214AA	33.30	36.80	1	30.00	13.00	48.4
♦511—	SMBJ33A	511—	SMBJ33CA	DO-214AA	36.70	40.60	1	33.00	11.80	53.3

STMICROELECTRONICS Surge Protection Devices

STMicroelectronics

TRANSIENT VOLTAGE SUPPRESSORS

P6KE Series 600 Watt

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM Max. (A)	VRSM Max. (V)
Undirectional		Bidirectional			Min. (V)	Max. (V)	(mA)			
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.							
511—P6KE6V8A		511—P6KE6V8CA		DO-15	6.45	7.14	10	5.80	57.00	10.5
511—P6KE7V5A		511—P6KE7V5CA		DO-15	7.13	7.88	10	6.40	53.00	11.3
511—P6KE10A		-------		DO-15	9.50	10.50	1	8.55	41.00	14.5
511—P6KE12A		511—P6KE12CA		DO-15	11.40	12.60	1	10.20	36.00	16.7
511—P6KE15A		-------		DO-15	14.30	15.80	1	12.80	28.00	21.2
511—P6KE18A		511—P6KE18CA		DO-15	17.10	18.90	1	15.30	24.00	25.2
511—P6KE24A		-------		DO-15	22.80	25.20	1	20.50	18.00	33.2
511—P6KE27A		511—P6KE27CA		DO-15	25.70	28.40	1	23.10	16.00	37.5
511—P6KE30A		511—P6KE30CA		DO-15	28.50	31.50	1	25.60	14.50	41.5
-------		511—P6KE33CA		DO-15	31.40	34.70	1	28.20	13.10	45.7
511—P6KE36A		511—P6KE36CA		DO-15	34.20	37.80	1	30.80	12.00	49.9
511—P6KE39A		511—P6KE39CA		DO-15	37.10	41.00	1	33.30	11.10	53.9
511—P6KE68A		-------		DO-15	64.60	71.40	1	58.10	6.50	92.0
511—P6KE150A		511—P6KE150CA		DO-15	143.00	158.00	1	128.00	2.90	207.0
511—P6KE200A		511—P6KE200CA		DO-15	190.00	210.00	1	171.00	2.20	274.0
-------		511—P6KE220CA		DO-15	209.00	231.00	1	188.00	2.00	328.0

For quantities 2,000 and up, call for quo

Series	Type	Voltage Range	Price Each			
			1	100	500	100
P6KE	Unidirectional	6.8 - 150	.32	.27	.24	.2
P6KE	Bidirectional	6.8 - 150	.32	.27	.24	.2
P6KE	Unidirectional	200	.46	.39	.35	.3
P6KE	Bidirectional	200	.46	.39	.35	.3
P6KE	Bidirectional	220	.38	.32	.29	.2
SM15T	Unidirectional	6.8 - 220	.74	.63	.56	.5
SM15T	Bidirectional	6.8 - 220	.74	.63	.56	.5
1.5KE	Unidirectional	6.8 - 7.5	.79	.47	.32	.2
1.5KE	Bidirectional	6.8 - 7.5	.66	.56	.50	.4
1.5KE	Unidirectional	10 - 62	.76	.65	.57	.5
1.5KE	Bidirectional	10 - 62	.66	.56	.50	.4
1.5KE	Unidirectional	68	1.00	.85	.75	.6
1.5KE	Bidirectional	68	.60	.51	.45	.4
1.5KE	Unidirectional	100	.98	.83	.74	.6
1.5KE	Bidirectional	100	.80	.68	.60	.5
1.5KE	Unidirectional	120	1.10	.94	.83	.7
1.5KE	Bidirectional	120	.66	.56	.50	.4
1.5KE	Unidirectional	150	.56	.48	.42	.3
1.5KE	Bidirectional	150	.66	.56	.50	.4
1.5KE	Unidirectional	180	.76	.65	.57	.5
1.5KE	Bidirectional	180	.66	.56	.50	.4
1.5KE	Unidirectional	200 - 300	.56	.48	.42	.3
1.5KE	Bidirectional	200 - 300	.88	.75	.66	.6

SM15T Series 1500 Watt

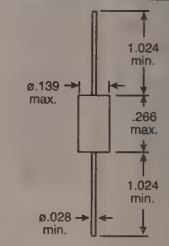
MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM Max. (A)	VRSM Max. (V)
Undirectional		Bidirectional			Min. (V)	Max. (V)	(mA)			
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.							
◆ 511—SM15T6V8A		511—SM15T6V8CA		SOD-15	6.45	7.14	10	5.80	143.00	10.5
◆ 511—SM15T7V5A		-------		SOD-15	7.13	7.88	10	6.40	132.00	11.3
◆ 511—SM15T10A		511—SM15T10CA		SOD-15	9.50	10.50	1	8.55	103.00	14.5
◆ 511—SM15T12A		511—SM15T12CA		SOD-15	11.40	12.60	1	10.20	90.00	16.7
◆ 511—SM15T15A		511—SM15T15CA		SOD-15	14.30	15.80	1	12.80	71.00	21.2
◆ 511—SM15T18A		511—SM15T18CA		SOD-15	17.10	18.90	1	15.30	59.50	25.2
◆ 511—SM15T22A		511—SM15T22CA		SOD-15	20.90	23.10	1	18.80	49.00	30.6
◆ 511—SM15T24A		511—SM15T24CA		SOD-15	22.80	25.20	1	20.50	45.00	33.2
◆ 511—SM15T27A		-------		SOD-15	25.70	28.40	1	23.10	40.00	37.5
◆ 511—SM15T30A		511—SM15T30CA		SOD-15	28.50	31.50	1	25.60	36.00	41.5
◆ 511—SM15T33A		511—SM15T33CA		SOD-15	31.40	34.70	1	28.20	33.00	45.7
◆ 511—SM15T36A		511—SM15T36CA		SOD-15	34.20	37.80	1	30.80	30.00	49.9
◆ 511—SM15T39A		511—SM15T39CA		SOD-15	37.10	41.00	1	33.30	28.00	53.9
◆ 511—SM15T68A		511—SM15T68CA		SOD-15	64.60	71.40	1	58.10	16.30	92.0
◆ 511—SM15T100A		511—SM15T100CA		SOD-15	95.00	105.00	1	85.50	11.00	137.0
◆ 511—SM15T200A		511—SM15T200CA		SOD-15	190.00	210.00	1	171.00	5.50	274.0
◆ 511—SM15T220A		511—SM15T220CA		SOD-15	209.00	231.00	1	188.00	4.60	328.0

1.5KE Series 1500 Watt

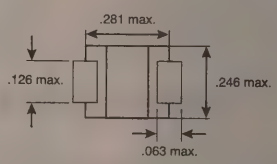
◆ Surface Mount Devices

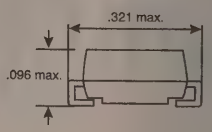
MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM Max. (A)	VRSM Max. (V)
Undirectional		Bidirectional			Min. (V)	Max. (V)	(mA)			
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.							
511—1.5KE6V8A		511—1.5KE6V8CA		DO-201	6.45	7.14	10	5.80	143.00	10.5
-------		511—1.5KE7V5CA		DO-201	7.13	7.88	10	6.40	132.00	11.3
511—1.5KE10A		-------		DO-201	9.50	10.50	1	8.55	100.00	14.5
511—1.5KE12A		511—1.5KE12CA		DO-201	11.40	12.60	1	10.20	90.00	16.7
511—1.5KE15A		511—1.5KE15CA		DO-201	14.30	15.80	1	12.80	71.00	21.2
511—1.5KE18A		511—1.5KE18CA		DO-201	17.10	18.90	1	15.30	59.50	25.2
511—1.5KE22A		511—1.5KE22CA		DO-201	20.90	23.10	1	18.80	49.00	30.6
511—1.5KE24A		511—1.5KE24CA		DO-201	22.80	25.20	1	20.50	45.00	33.2
511—1.5KE30A		511—1.5KE30CA		DO-201	28.50	31.50	1	25.60	36.00	41.5
511—1.5KE33A		511—1.5KE33CA		DO-201	31.40	34.70	1	28.20	33.00	45.7
511—1.5KE36A		511—1.5KE36CA		DO-201	34.20	37.80	1	30.80	30.00	49.9
511—1.5KE39A		511—1.5KE39CA		DO-201	37.10	41.00	1	33.30	28.00	53.9
511—1.5KE47A		511—1.5KE47CA		DO-201	44.70	49.40	1	40.20	23.20	64.8
511—1.5KE62A		511—1.5KE62CA		DO-201	58.90	65.10	1	53.00	17.70	85.0
511—1.5KE68A		511—1.5KE68CA		DO-201	64.60	71.40	1	58.10	16.30	92.0
511—1.5KE100A		511—1.5KE100CA		DO-201	95.00	105.00	1	85.50	11.00	137.0
511—1.5KE120A		511—1.5KE120CA		DO-201	114.00	126.00	1	102.00	9.10	165.0
511—1.5KE150A		511—1.5KE150CA		DO-201	143.00	158.00	1	128.00	7.20	207.0
511—1.5KE180A		511—1.5KE180CA		DO-201	171.00	189.00	1	154.00	6.10	246.0
511—1.5KE200A		511—1.5KE200CA		DO-201	190.00	210.00	1	171.00	5.50	274.0
511—1.5KE220A		511—1.5KE220CA		DO-201	209.00	231.00	1	188.00	4.60	328.0
511—1.5KE300A		511—1.5KE300CA		DO-201	285.00	315.00	1	256.00	5.00	414.0

DIMENSIONS: IN

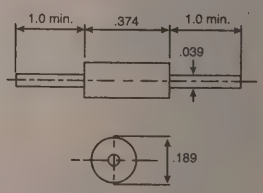


DO-15





SOD-15



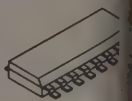
DO-201

ELECTRONIC CIRCUIT BREAKERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage Range (V)	Supply Current Typ. (mA)	Step-Up Output Voltage Typ. (V)	Rsp. Time Typ. (ns)	Soft Start (Gate Charge) Curr. Source Typ. (µA)	Thresh. Protect. Mode Typ. (V)	Operating Temp. Range (°C)	Price Each		
										1	100	500
Surface Mount												
511-TD230ID	TD230ID	SO-16	-4.5/-18 to +2.7/+18	2.3	+13.4	2.0	15	1.2	-40 to +125	4.40	3.74	3.30
Thru Hole												
511-TD230IN	TD230IN	DIP-16	-4.5/-18 to +2.7/+18	2.3	+13.4	2.0	15	1.2	-40 to +125	4.40	3.74	3.30

SO-16



DIP-16

MOUSER ELECTRONICS a ttl company

VISHAY Transient Voltage Suppressors

SHAY SMAJ SERIES 400 WATT

MOUSER STOCK NO.			Package	VBR @ It			VRWM (V)	IRSM (A) Max.	VRSM (V) Max.
Unidirectional	Bidirectional			(V) Min.	(V) Max.	(mA)			
Mfr. Part No.	Mfr.	Mfr. Part No.							
face Mount									
—SMAJ7.5A	625—SMAJ7.5CA		DO-214AC	8.33	9.21	1	7.50	31.0	12.9
—SMAJ10A	625—SMAJ10CA		DO-214AC	11.10	12.30	1	11.00	23.5	17.0
—SMAJ12A	625—SMAJ12CA		DO-214AC	13.30	14.70	1	12.00	20.1	19.9
—SMAJ13A	625—SMAJ13CA		DO-214AC	14.40	15.90	1	13.00	18.6	21.5
—SMAJ15A	625—SMAJ15CA		DO-214AC	16.70	18.50	1	15.00	16.4	24.4
—SMAJ16A	625—SMAJ16CA		DO-214AC	17.80	19.70	1	16.00	15.4	26.0
—SMAJ18A	625—SMAJ18CA		DO-214AC	20.00	22.10	1	18.00	13.7	29.2
—SMAJ20A	625—SMAJ20CA		DO-214AC	22.20	24.50	1	20.00	12.3	32.4
—SMAJ22A	625—SMAJ22CA		DO-214AC	24.40	26.90	1	22.00	11.3	35.5
—SMAJ24A	625—SMAJ24CA		DO-214AC	26.70	29.50	1	24.00	10.3	38.9
—SMAJ30A	625—SMAJ30CA		DO-214AC	33.30	36.80	1	30.00	8.3	48.4
—SMAJ33A	625—SMAJ33CA		DO-214AC	36.70	40.60	1	33.00	7.5	53.3
—SMAJ36A	625—SMAJ36CA		DO-214AC	40.00	44.20	1	36.00	6.9	58.1
—SMAJ51A	625—SMAJ51CA		DO-214AC	56.70	62.70	1	51.00	4.9	82.4

SHAY SMBJ SERIES 600 WATT

face Mount									
—SMBJ5.0A	625—SMBJ5.0CA		DO-214AA	6.40	7.07	10	5.00	65.2	9.2
—SMBJ6.5A	625—SMBJ6.5CA		DO-214AA	7.78	8.60	10	7.00	50.0	12.0
—SMBJ7.5A	625—SMBJ7.5CA		DO-214AC	8.33	9.21	1	7.50	46.5	12.9
—SMBJ8.5A	625—SMBJ8.5CA		DO-214AA	9.44	10.40	1	8.50	41.7	14.4
—SMBJ10A	625—SMBJ10CA		DO-214AA	11.10	12.30	1	10.00	35.3	17.0
—SMBJ12A	625—SMBJ12CA		DO-214AA	13.30	14.70	1	12.00	30.2	19.9
—SMBJ13A	625—SMBJ13CA		DO-214AA	14.40	15.90	1	13.00	27.9	21.5
—SMBJ15A	625—SMBJ15CA		DO-214AA	16.70	18.50	1	15.00	24.6	24.4
—SMBJ17A	625—SMBJ17CA		DO-214AA	18.90	20.90	1	17.00	21.7	27.6
—SMBJ18A	625—SMBJ18CA		DO-214AA	20.00	22.10	1	18.00	20.5	29.2
—SMBJ20A	625—SMBJ20CA		DO-214AA	22.20	24.50	1	20.00	18.5	32.4
—SMBJ22A	625—SMBJ22CA		DO-214AA	24.40	26.90	1	22.00	16.9	35.5
—SMBJ24A	625—SMBJ24CA		DO-214AA	26.70	29.50	1	24.00	15.4	38.9
—SMBJ26A	625—SMBJ26CA		DO-214AA	28.90	31.90	1	26.00	14.3	42.1
—SMBJ33A	625—SMBJ33CA		DO-214AA	36.70	40.60	1	33.00	11.3	53.3
—SMBJ36A	625—SMBJ36CA		DO-214AA	40.00	44.20	1	26.00	10.3	58.1

SHAY SM6T SERIES 600 WATT

MOUSER STOCK NO.			Package	VBR @ It			VRWM (V)	IRSM (A) Max.	VRSM (V) Max.
Unidirectional	Bidirectional			(V) Min.	(V) Max.	(mA)			
Mfr. Part No.	Mfr.	Mfr. Part No.							
face Mount									
—SM6T6V8A	625—SM6T6V8CA		DO-214AA	6.45	7.14	10	5.80	57.0	10.5
—SM6T7V5A	625—SM6T7V5CA		DO-214AA	7.13	7.88	10	6.40	53.0	11.3
—SM6T10A	625—SM6T10CA		DO-214AA	9.50	10.50	1	8.55	41.0	14.5
—SM6T12A	625—SM6T12CA		DO-214AA	11.40	12.60	1	10.20	36.0	16.7
—SM6T15A	625—SM6T15CA		DO-214AA	14.30	15.80	1	12.80	28.0	21.2
—SM6T18A	625—SM6T18CA		DO-214AA	17.10	18.90	1	15.30	24.0	25.2
—SM6T22A	625—SM6T22CA		DO-214AA	20.90	23.10	1	18.80	20.0	30.6
—SM6T24A	625—SM6T24CA		DO-214AA	22.80	25.20	1	20.50	18.0	33.2
—SM6T27A	625—SM6T27CA		DO-214AA	25.70	28.40	1	23.10	16.0	37.5
—SM6T30A	625—SM6T30CA		DO-214AA	28.50	31.50	1	25.60	14.5	41.5
—SM6T33A	625—SM6T33CA		DO-214AA	31.40	34.70	1	28.20	13.1	45.7
—SM6T36A	625—SM6T36CA		DO-214AA	34.20	37.80	1	30.80	12.0	49.9
—SM6T39A	625—SM6T39CA		DO-214AA	37.10	41.00	1	33.30	11.1	53.9
—SM6T68A	625—SM6T68CA		DO-214AA	64.60	71.40	1	58.10	6.5	92.0
—SM6T100A	625—SM6T100CA		DO-214AA	95.00	105.00	1	85.50	4.4	137.0
—SM6T150A	625—SM6T150CA		DO-214AA	143.00	158.00	1	128.00	2.9	207.0
—SM6T200A	625—SM6T200CA		DO-214AA	190.00	210.00	1	171.00	2.2	274.0
—SM6T220A	625—SM6T220CA		DO-214AA	209.00	231.00	1	188.00	2.0	328.0

SHAY SMCJ SERIES 1500 WATT

face Mount									
—SMCJ5.0A	625—SMCJ5.0CA		DO-214AA	6.40	7.07	10	5.00	163.0	9.2
—SMCJ6.0A	625—SMCJ6.0CA		DO-214AA	6.67	7.37	10	6.00	145.6	10.3
—SMCJ6.5A	625—SMCJ6.5CA		DO-214AA	7.22	7.98	10	6.50	133.9	11.2
—SMCJ7.5A	625—SMCJ7.5CA		DO-214AA	8.33	9.21	1	7.50	116.3	12.9
—SMCJ8.5A	625—SMCJ8.5CA		DO-214AA	9.44	10.40	1	8.50	104.2	14.4
—SMCJ10A	625—SMCJ10CA		DO-214AA	11.10	12.30	1	10.00	88.2	17.0
—SMCJ12A	625—SMCJ12CA		DO-214AA	13.30	14.70	1	12.00	75.4	19.9
—SMCJ15A	625—SMCJ15CA		DO-214AA	16.70	18.50	1	15.00	61.5	24.4
—SMCJ18A	625—SMCJ18CA		DO-214AA	20.00	22.10	1	18.00	51.4	29.2
—SMCJ20A	625—SMCJ20CA		DO-214AA	22.20	24.50	1	20.00	46.3	32.4
—SMCJ24A	625—SMCJ24CA		DO-214AA	26.70	29.50	1	24.00	38.6	38.9
—SMCJ28A	625—SMCJ28CA		DO-214AA	31.10	34.40	1	28.00	33.0	45.4
—SMCJ30A	625—SMCJ30CA		DO-214AA	33.30	36.80	1	30.00	31.0	48.4
—SMCJ33A	625—SMCJ33CA		DO-214AA	36.70	40.60	1	33.00	28.1	53.3
—SMCJ36A	625—SMCJ36CA		DO-214AA	40.00	44.20	1	36.00	25.8	58.1

SHAY SM15T SERIES 1500 WATT

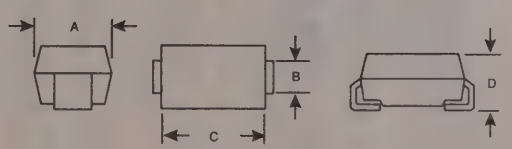
face Mount									
—SM15T10A	625—SM15T10CA		DO-214AB	9.50	10.50	1	8.55	103.0	14.5
—SM15T12A	625—SM15T12CA		DO-214AB	11.40	12.60	1	10.20	90.0	16.7
—SM15T15A	625—SM15T15CA		DO-214AB	14.30	15.80	1	12.80	71.0	21.2
—SM15T18A	625—SM15T18CA		DO-214AB	17.10	18.90	1	15.30	59.5	25.2
—SM15T22A	625—SM15T22CA		DO-214AB	20.90	23.10	1	18.80	49.0	30.6
—SM15T24A	625—SM15T24CA		DO-214AB	22.80	25.20	1	20.50	45.0	33.2
—SM15T27A	625—SM15T27CA		DO-214AB	25.70	28.40	1	23.10	40.0	37.5
—SM15T30A	625—SM15T30CA		DO-214AB	28.50	31.50	1	25.60	36.0	41.5
—SM15T33A	625—SM15T33CA		DO-214AB	31.40	34.70	1	28.20	33.0	45.7
—SM15T36A	625—SM15T36CA		DO-214AB	34.20	37.80	1	30.80	30.0	49.9
—SM15T39A	625—SM15T39CA		DO-214AB	37.10	41.00	1	33.30	28.0	53.9
—SM15T68A	625—SM15T68CA		DO-214AB	64.60	71.40	1	58.10	16.3	92.0

For quantities of 2000 and up, call for quote.

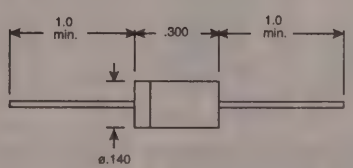
Series	Type	Voltage Range	Price Each			
			1	100	500	1000
SMAJ	Unidirectional	7.5 - 51	.16	.14	.12	.10
SMAJ	Bidirectional	7.5 - 51	.18	.16	.13	.11
SMBJ	Unidirectional	5.0 - 36	.22	.19	.16	.14
SMBJ	Bidirectional	5.0 - 36	.24	.21	.18	.16
SM6T	Unidirectional	6.8 - 68	.22	.19	.16	.14
SM6T	Bidirectional	6.8 - 68	.24	.21	.18	.16
SMCJ	Unidirectional	5.0 - 36	.40	.35	.30	.26
SMCJ	Bidirectional	5.0 - 36	.44	.39	.33	.28
SM15T	Unidirectional	10 - 68	.40	.35	.30	.26
SM15T	Bidirectional	10 - 68	.44	.39	.33	.28

DIMENSIONS: IN

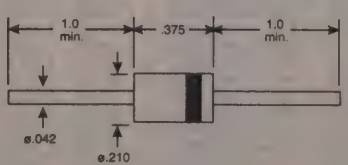
DIM	DO-214AA	DO-214AB	DO-214AC
A	.143	.223	.105
B	.08	.12	.052
C	.17	.27	.167
D	.09	.09	.084



DO-214AA DO-214AB DO-214AC



DO-204AC (DO-15)



1.5KE (GP-20)

VISHAY Transient Voltage Suppressors

VISHAY SA SERIES 500 WATT

MOUSER STOCK NO. Unidirectional Mfr.	Unidirectional Mfr. Part No.	Bidirectional Mfr.	Bidirectional Mfr. Part No.	Package	VBR @ It (V) Min.	VBR @ It (V) Max.	VBR @ It (mA)	VRWM (V)	IRSM (A) Max.	VRSM (V) Max.
Thru-Hole										
	625—SA5.0A		625—SA5.0CA	DO-204AC	6.40	7.00	10	5.00	54.3	9.2
	625—SA6.0A		625—SA6.0CA	DO-204AC	6.67	7.37	10	6.00	48.5	10.3
	625—SA6.5A		625—SA6.5CA	DO-204AC	7.22	7.98	10	6.50	44.7	11.2
	625—SA10A		625—SA10CA	DO-204AC	11.10	12.30	1	10.00	29.4	17.0
	625—SA11A		625—SA11CA	DO-204AC	12.20	13.50	1	11.00	27.5	18.2
	625—SA12A		625—SA12CA	DO-204AC	13.30	14.70	1	12.00	25.1	19.9
	625—SA13A		625—SA13CA	DO-204AC	14.40	15.90	1	13.00	23.3	21.5
	625—SA15A		625—SA15CA	DO-204AC	16.70	18.50	1	15.00	20.5	24.4
	625—SA20A		625—SA20CA	DO-204AC	22.20	24.50	1	20.00	15.4	32.4
	625—SA22A		625—SA22CA	DO-204AC	24.40	26.90	1	22.00	14.1	35.5
	625—SA24A		625—SA24CA	DO-204AC	26.70	29.50	1	24.00	12.9	38.9
	625—SA28A		625—SA28CA	DO-204AC	31.10	34.40	1	28.00	11.0	45.4
	625—SA30A		625—SA30CA	DO-204AC	33.30	36.80	1	30.00	10.0	48.4
	625—SA33A		625—SA33CA	DO-204AC	36.70	40.60	1	33.00	9.4	53.3
	625—SA36A		625—SA36CA	DO-204AC	40.00	44.20	1	36.00	8.6	58.1
	625—SA75A		625—SA75CA	DO-204AC	83.30	92.10	1	75.00	4.1	121.0

VISHAY SAC SERIES 500 WATT (LOW CAPACITANCE) (only available in unidirectional)

MOUSER STOCK NO. Unidirectional Mfr.	Unidirectional Mfr. Part No.	Bidirectional Mfr.	Bidirectional Mfr. Part No.	Package	V(BR) Min. (V)	ID Max. (uA)	Vc Max. (V)	Ipp Max. (A)	VWIB Max. (V)	VPIB Max. (V)
Thru-Hole										
	625—SAC5.0		----------	DO-204AC	7.60	300.0	10.0	44.0	75	100
	625—SAC6.0		----------	DO-204AC	7.90	300.0	11.2	41.0	75	100
	625—SAC7.0		----------	DO-204AC	8.33	300.0	12.6	38.0	75	100
	625—SAC8.0		----------	DO-204AC	8.89	100.0	13.4	36.0	75	100
	625—SAC8.5		----------	DO-204AC	9.44	50.0	14.0	34.0	75	100
	625—SAC10		----------	DO-204AC	11.10	5.0	16.3	29.0	75	100
	625—SAC12		----------	DO-204AC	13.30	5.0	19.0	25.0	75	100
	625—SAC15		----------	DO-204AC	16.70	5.0	23.6	20.0	75	100
	625—SAC18		----------	DO-204AC	20.00	5.0	28.8	15.0	75	100
	625—SAC22		----------	DO-204AC	24.40	5.0	35.4	14.0	75	100
	625—SAC26		----------	DO-204AC	28.90	5.0	42.3	11.1	75	100
	625—SAC30		----------	DO-204AC	33.30	5.0	48.6	10.0	75	100
	625—SAC36		----------	DO-204AC	40.00	5.0	60.0	8.6	75	100
	625—SAC45		----------	DO-204AC	50.00	5.0	77.0	6.8	150	200
	625—SAC50		----------	DO-204AC	55.50	5.0	88.0	5.8	150	200

VISHAY P6KE SERIES 600 WATT

MOUSER STOCK NO. Unidirectional Mfr.	Unidirectional Mfr. Part No.	Bidirectional Mfr.	Bidirectional Mfr. Part No.	Package	VBR @ It (V) Min.	VBR @ It (V) Max.	VBR @ It (mA)	VRWM (V)	IRSM (A) Max.	VRSM (V) Max.
Thru-Hole										
	625—P6KE6.8A		625—P6KE6.8CA	DO-204AC	6.45	7.14	10	5.80	57.1	10.5
	625—P6KE7.5A		625—P6KE7.5CA	DO-204AC	7.13	7.88	1	6.40	53.1	11.3
	625—P6KE8.2A		625—P6KE8.2CA	DO-204AC	7.79	8.61	1	7.02	49.6	12.1
	625—P6KE9.1A		625—P6KE9.1CA	DO-204AC	8.65	9.55	1	7.78	44.8	13.4
	625—P6KE10A		625—P6KE10CA	DO-204AC	9.50	10.50	1	8.55	41.4	14.5
	625—P6KE12A		625—P6KE12CA	DO-204AC	11.40	12.60	1	10.20	35.9	16.7
	625—P6KE13A		625—P6KE13CA	DO-204AC	12.40	13.70	1	11.10	33.0	18.2
	625—P6KE15A		625—P6KE15CA	DO-204AC	14.30	15.80	1	12.80	28.3	21.2
	625—P6KE16A		625—P6KE16CA	DO-204AC	15.20	16.80	1	13.60	26.7	22.5
	625—P6KE18A		625—P6KE18CA	DO-204AC	17.10	18.90	1	15.30	23.8	25.2
	625—P6KE20A		625—P6KE20CA	DO-204AC	19.00	21.00	1	17.10	21.7	27.7
	625—P6KE22A		625—P6KE22CA	DO-204AC	20.90	23.10	1	18.80	19.6	30.6
	625—P6KE24A		625—P6KE24CA	DO-204AC	22.80	25.20	1	20.50	18.1	33.2
	625—P6KE27A		625—P6KE27CA	DO-204AC	25.70	28.40	1	23.10	16.0	37.5
	625—P6KE30A		625—P6KE30CA	DO-204AC	28.50	31.50	1	25.60	14.5	41.4
	625—P6KE33A		625—P6KE33CA	DO-204AC	31.40	34.70	1	28.20	13.1	45.7
	625—P6KE36A		625—P6KE36CA	DO-204AC	34.20	37.80	1	30.80	12.0	49.9
	625—P6KE39A		625—P6KE39CA	DO-204AC	37.10	41.00	1	33.30	11.1	53.9
	625—P6KE47A		625—P6KE47CA	DO-204AC	44.70	49.40	1	40.20	9.3	64.8
	625—P6KE51A		625—P6KE51CA	DO-204AC	48.50	53.60	1	43.60	8.6	70.1
	625—P6KE68A		625—P6KE68CA	DO-204AC	64.60	71.40	1	58.10	6.5	92.0
	625—P6KE100A		625—P6KE100CA	DO-204AC	95.00	105.00	1	85.50	4.4	137.0
	625—P6KE150A		625—P6KE150CA	DO-204AC	143.00	158.00	1	128.00	2.9	207.0
	625—P6KE200A		625—P6KE200CA	DO-204AC	190.00	210.00	1	171.00	2.2	274.0
	625—P6KE220A		625—P6KE220CA	DO-204AC	209.00	231.00	1	185.00	1.8	328.0

VISHAY 1.5KE SERIES 1500 WATT

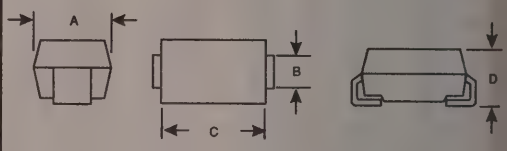
Thru-Hole								
625—1.5KE6.8A	625—1.5KE6.8CA	GP-20	6.45	7.14	10	5.80	143.0	10.5
625—1.5KE7.5A	625—1.5KE7.5CA	GP-20	7.13	7.88	10	6.40	133.0	11.3
625—1.5KE8.2A	625—1.5KE8.2CA	GP-20	7.79	8.61	10	7.02	124.0	12.1
625—1.5KE9.1A	625—1.5KE9.1CA	GP-20	8.65	9.55	1	7.78	112.0	13.4
625—1.5KE10A	625—1.5KE10CA	GP-20	9.50	10.50	1	8.55	103.0	14.5
625—1.5KE12A	625—1.5KE12CA	GP-20	11.40	12.60	1	10.20	89.8	16.7
625—1.5KE13A	625—1.5KE13CA	GP-20	12.40	13.70	1	11.10	82.4	18.2
625—1.5KE15A	625—1.5KE15CA	GP-20	14.30	15.80	1	12.80	70.8	21.2
625—1.5KE18A	625—1.5KE18CA	GP-20	17.10	18.90	1	15.30	59.5	26.2
625—1.5KE20A	625—1.5KE20CA	GP-20	19.00	21.00	1	17.10	54.2	27.7
625—1.5KE22A	625—1.5KE22CA	GP-20	20.90	23.10	1	18.80	49.0	30.6
625—1.5KE24A	625—1.5KE24CA	GP-20	22.80	25.20	1	20.50	45.2	33.2
625—1.5KE27A	625—1.5KE27CA	GP-20	25.70	28.40	1	23.10	40.0	37.5
625—1.5KE30A	625—1.5KE30CA	GP-20	28.50	31.50	1	25.60	36.2	41.4
625—1.5KE33A	625—1.5KE33CA	GP-20	31.40	34.70	1	28.20	32.8	45.7
625—1.5KE36A	625—1.5KE36CA	GP-20	34.20	37.80	1	30.80	30.1	49.9
625—1.5KE39A	625—1.5KE39CA	GP-20	37.10	41.00	1	33.30	27.8	53.9
625—1.5KE51A	625—1.5KE51CA	GP-20	48.50	53.60	1	43.60	21.4	70.1
625—1.5KE68A	625—1.5KE68CA	GP-20	64.60	71.40	1	58.10	16.3	92.0
625—1.5KE100A	625—1.5KE100CA	GP-20	95.00	105.00	1	85.50	10.9	137.0
625—1.5KE150A	625—1.5KE150CA	GP-20	143.00	158.00	1	128.00	7.2	207.0
625—1.5KE200A	625—1.5KE200CA	GP-20	190.00	210.00	1	171.00	5.5	274.0
625—1.5KE220A	625—1.5KE220CA	GP-20	209.00	231.00	1	185.00	4.6	328.0
625—1.5KE300A	625—1.5KE300CA	GP-20	285.00	315.00	1	256.00	3.6	414.0

For quantities of 2000 and up, call for c

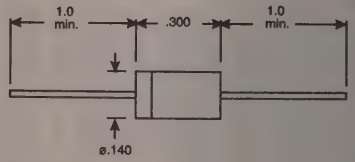
Series	Type	Voltage Range	Price Each 1	100	500	10
SA	Unidirectional	5.0 - 20	.14	.12	.10	.0
SA	Bidirectional	5.0 - 20	.17	.15	.13	.1
SA	Unidirectional	22 - 75	.14	.12	.10	.0
SA	Bidirectional	22 - 75	.19	.17	.14	.1
SAC	Unidirectional	5.0 - 50	.28	.24	.21	.1
P6KE	Unidirectional	6.8 - 10	.23	.20	.17	.1
P6KE	Bidirectional	6.8 - 10	.22	.19	.16	.1
P6KE	Unidirectional	12 - 220	.15	.13	.11	.0
P6KE	Bidirectional	12 - 220	.21	.19	.16	.1
1.5KE	Unidirectional	6.8 - 220	.41	.36	.30	.2
1.5KE	Bidirectional	6.8 - 220	.43	.38	.32	.2

DIMENSIONS (IN)

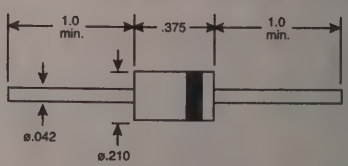
DIM	DO-214AA	DO-214AB	DO-214AC
A	.143	.223	.105
B	.08	.12	.052
C	.17	.27	.167
D	.09	.09	.084



DO-214AA DO-214AB DO-214AC



DO-204AC (DO-15)



1.5KE (GP-20)

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ner, 1/2w to 50W, 2.4V to 200V
T types

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dules
w logic level
rmally triggered
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- IC protectors
- MOV's, 10V to 480V
- Overvoltage transient suppressors
- Polymeric PTC resettable fuses
- Gas filled surge arrestors
- Thermal cutoffs, non-resettable thermal fuses

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Transistors
- Bi-polar
- Darlington
- Small Signal
- Power
- SMT types

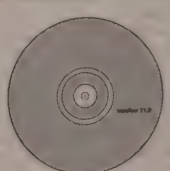
NTE THERMO-PADS

rmo-Pads do away with the old fashioned mica wafer and conductive grease method of mounting power conductors. These thermally conductive insulators offer low heat transfer resistance while still providing electrical isolation between the parts of the assembly. The elastomeric material combines the electrical tion of rigid insulators with the ability to conform to rough surfaces and reduce contact resistance in much ame manner as thermal grease. Proper selection and use of these THERMO-PADS results in a securely- nted power semiconductor and minimum resistance to the heat transfer between it and the heat sink.

tures:
lor: .009 Inch Thickness-Gray; Test Method-Visual.
eaking Strength Lbs./Inch: .009 Inch Thickness-100; Test Method-ASTM D 1458.
ngation, Percent: .009 Inch Thickness-4; Test Method-ASTM D 412.
lume Resistance Ohm Meter Minimum Normal: .009 Inch Thickness- 1.0 X 1013; Test Method--ASTM D 257.
lume Resistance Ohm Meter Minimum Moist: .009 Inch Thickness-1.5 x 1010; Test Method-ASTM D 257.
eakdown Voltage Minimum Normal: .009 Inch Thickness-5000; Test Method- ASTM D 149.
eakdown Voltage Minimum Moist: .009 Inch Thickness-2500; Test Method-ASTM D 149.
electric Constant 1000 Cups (Hz): .009 Inch Thickness-5.5; Test Method-ASTM D 150.
ntinuous Use Temperature: .009 Inch Thickness- -60° to +180°C.
ermal Conductance: .009 Inch Thickness- 0.7W/m-k.
ermal Vacuum Weight Loss Percent (TML) Maximum as Manufactured: .009 Inch Thickness-0.40; Test thod-NASA.
ermal Vacuum Weight Loss Percent (TML) Maximum Post Cure 24 Hrs. @ 400°F: .009 Inch Thickness-0.25; st Method-SP-R
latile Condensable Material, Percent, Maximum (CVCM) as Manufactured: .009 Inch Thickness-0.11; st Method-NASA.
latile Condensable Material, Percent. Maximum(CVCM) Post Cure 24 Hrs. @ 400°C: .009 Inch Thickness- 7; Test Method-SP-A: .009 Inch Thickness-85; Test Method-ASTM D 2240.
ecific Gravity: .009 Inch Thickness-2.0-2.1. Thickness (Expressed in Inches): .009 Inch Thickness.009 .002, -.001).
ermal Resistance (TO3 Transistor): .009 Inch Thickness-.5°C/W.

MOUSER STOCK NO.	NTE Part No.	Per Package	Price Each
6-NTETP0001	TP0001	5	1.21
6-NTETP0002	TP0002	5	1.22
6-NTETP0003	TP0003	5	.88
6-NTETP0004	TP0004	5	.74
6-NTETP0005	TP0005	5	1.45
6-NTETP0006	TP0006	5	1.07
6-NTETP0007	TP0007	5	1.10
6-NTETP0008	TP0008	5	1.22
6-NTETP0009	TP0009	5	1.47
6-TP0010	TP0010	5	1.65
6-NTE425	NTE425	1	3.19

NTE QUICKCROSS™



ion 11.0 of NTE's QUICKCross™ is now available. new version is fully updated and contains thousands w cross references. Version 11.0 also includes links to data sheets available on NTE's web site ocal active links to many of NTE's informational & catalogs, in PDF format.

MOUSER STOCK NO.	NTE Part No.	Description	Price Each 1-99
6-NTEQC-6/CD	QC-006CD	NTE's QUICKCross for Windows	3.00

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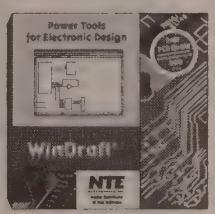
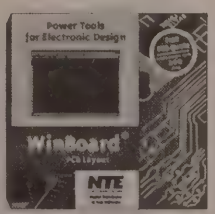
WinDraft® schematic design tool on your PC and in minutes you'll be designing schematics. Everything is included for wiring, drawing, printing and finishing your design. A full graphical library editor and title block editor are included. A library part may be created from scratch, shapes imported from other parts, and graphical definitions can easily be edited. WinDraft® provides all you expect and more. User definable on-line ERC identifies problem areas in the circuit so they do not make their way into the final design. Bill of Materials (BOM), cleanup to remove overlapping wires, and annotation are included. On-line help is only a click away and includes the complete reference manual. WinDraft® is the ideal front end tool for our PCB layout. You can even specify track widths and isolations right in the schematic.



MOUSER STOCK NO.	NTE Part No.	Pin Capacity	Price Each 1-99
526-WINDRAFT-3.0	WD01V3	200	39.95
526-WD350	WD350	350	125.00
526-WD650	WD650	650	250.00
526-WDUNL	WDUNL	Unlimited	495.00

WinBoard® PCB layout delivers the most sophisticated interactive routing capability available for the Windows environment. It has the power needed for even complex board design, and the tools for high speed circuits, analog design and dense SMT boards. WinBoard® comes complete with a library of over 700 module footprints including over 350 SMT footprints. Pad stacks may be edited on-line by just double clicking on the pad. A graphical editor is included to create custom module footprints or edit existing ones. Placing multiple copper pours is as quick and easy as routing. Outputing to In-Circuit Test, NC Drill, Gerber, Pick and Place plus others is included.



MOUSER STOCK NO.	NTE Part No.	Pin Capacity	Price Each 1-99
526-WINBOARD/CD	WB01	200	39.95
526-WB350	WB350	350	125.00
526-WB650	WB650	650	250.00
526-WBUNL	WBUNL	Unlimited	495.00

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ures:

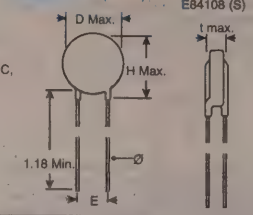
Series" are especially dedicated to heavy duty
lications encountered in the AC power network.
her surge current and energy ratings provide an
roved protection and a better reliability
ial lead varistors
rating voltage range from 130 V to 625 V (Vrms
/E types) or 205 V to 1000 V (V1mA for VF types)
ilable in tape and reel for use with automatic
rtion equipment

ifications:

age temperature: -40°C to +125°C
operating temperature: +85°C
ponse time: < 25 ns
• Voltage coefficient temp.: IKI < 0.09%/°C
• Voltage proof: 2500 V
• Epoxy coating: Flame retardant UL94-VO

* VE13: For models with $V_{RMS} \leq 320$ V other version/suffixes available with:
E = 5.08 (0.20) Suffix:
Ø = 0.6 (.024) Bulk: HB
D = 12.5 (.492) max Tape: DA, DB, DC, DD, DQ, ...
**VE24: For lead diameter = 1.0 (.039), please consult us.

PRODUCT NEW



File No. E84108 (S)

DIMENSIONS: mm (IN)

Type	D Ceramic Diameter	D Maximum Coated Dia.	H max.	Ø +10% –0.05 (.002)	E ± 0.8
VE07	5 (.196)	7 (.275)	10 (.394)	0.6 (.024)	5.08 (0.20)
VE09	7 (.275)	9 (.354)	12 (.472)	0.6 (.024)	5.08 (0.20)
VE13*	10 (.393)	13* (.512)	16 (.630)	0.8* (.031)	7.62*(0.30)
VE17	14 (.551)	17 (.669)	20 (.787)	0.8 (.031)	7.62 (0.30)
VE24**	20 (.787)	24 (.945)	27 (1.06)	0.8** (.031)	7.62 (0.30)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Maximum Operating Voltage (Vrms)	Maximum Operating Voltage (Vdc)	Maximum Clamping Voltage (8 x 20µs) Vp (V)	Maximum Clamping Voltage (8 x 20µs) Ip(A)	Energy (Joules) (10 x 1000µs) Number of Surges 1 Surge	Permissible Peak Current (8 x 20µs) 1 Surge	Permissible Peak Current (8 x 20µs) 2 Surge	Typical Capacitance f = 1k Hz pF	Max. Thickness t mm (in.)	Mean Power Dissipation W	Price Each 1	100	500	1000
-VE09P00131K	VE09P00131K--	130	170	340	10	17.5	1750	1250	250	4.1 (0.161)	0.2	.17	.14	.13	.11
-VE13P00131K	VE13P00131K--	130	170	340	25	35	3500	2500	450	4.7 (0.185)	0.4	.24	.20	.18	.16
-VE17P00131K	VE17P00131K--	130	170	340	50	70	6000	4500	1000	4.7 (0.185)	0.6	.36	.30	.27	.24
-VE24P00131K	VE24P00131K--	130	170	340	100	140	10000	7000	2500	5.1 (0.201)	0.8	.71	.59	.53	.47
-VE07P00141K	VE07P00141K--	140	180	360	5	9	800	600	85	4.2 (0.165)	0.1	.28	.24	.21	.19
-VE13P00141K	VE13P00141K--	140	180	360	25	39	3500	2500	425	4.8 (0.189)	1.4	.41	.35	.31	.28
-VE07P00151K	VE07P00151K--	150	150	400	5	10.5	800	600	80	4.3 (0.169)	0.1	.17	.14	.13	.11
-VE09P00151K	VE09P00151K--	150	150	400	10	21	1750	1250	220	4.3 (0.169)	0.2	.17	.14	.13	.11
-VE13P00151K	VE13P00151K--	150	150	400	25	42	3500	2500	400	4.9 (0.193)	0.4	.24	.20	.18	.16
-VE17P00151K	VE17P00151K--	150	150	400	50	85	6000	4500	850	4.9 (0.193)	0.6	.36	.30	.27	.24
-VE24P00151K	VE24P00151K--	150	150	400	100	170	10000	7000	2000	5.3 (0.209)	0.8	.71	.59	.53	.47
-VE07P01750K	VE07P01750K--	175	225	445	5	11	800	600	70	4.5 (0.177)	0.1	.28	.24	.21	.19
-VE09P01750K	VE09P01750K--	175	225	445	10	24	1750	1250	190	4.5 (0.177)	0.2	.28	.24	.21	.19
-VE13P01750K	VE13P01750K--	175	225	445	25	50	3500	2500	340	5.1 (0.201)	0.4	.41	.35	.31	.28
-VE17P01750K	VE17P01750K--	175	225	445	50	100	6000	4500	750	5.1 (0.201)	0.6	.60	.50	.45	.40
-VE24P01750K	VE24P01750K--	175	225	445	100	190	10000	7000	2000	5.5 (0.217)	0.8	1.20	1.00	.90	.80
-VE07P00211K	VE07P00211K--	210	275	545	5	13	800	600	60	4.9 (0.193)	0.1	.29	.24	.22	.19
-VE09P00211K	VE09P00211K--	210	275	545	10	28	1750	1250	155	4.9 (0.193)	0.2	.29	.24	.22	.19
-VE13P00211K	VE13P00211K--	210	275	545	25	60	3500	2500	275	5.5 (0.217)	0.4	.45	.37	.34	.30
-VE17P00211K	VE17P00211K--	210	275	545	50	115	6000	4500	600	5.5 (0.217)	0.6	.64	.53	.48	.42
-VE24P00211K	VE24P00211K--	210	275	545	100	230	10000	7000	1650	5.9 (0.232)	0.8	1.24	1.04	.93	.83
-VE24P00231K	VE24P00231K--	230	300	595	100	250	10000	70000	1500	6.1 (0.240)	0.8	1.24	1.04	.93	.83
-VE07P00251K	VE07P00251K--	250	320	645	5	17	800	600	50	5.4 (0.213)	0.1	.17	.14	.13	.11
-VE09P00251K	VE09P00251K--	250	320	645	10	35	1750	1250	130	5.4 (0.213)	0.2	.17	.14	.13	.11
-VE13P00251K	VE13P00251K--	250	320	645	25	70	3500	2500	230	5.9 (0.232)	0.4	.26	.22	.20	.18
-VE17P00251K	VE17P00251K--	250	320	645	50	140	6000	4500	500	5.9 (0.232)	0.6	.38	.31	.28	.25
-VE24P00251K	VE24P00251K--	250	320	645	100	280	10000	7000	1300	6.3 (0.248)	0.8	.73	.61	.55	.49
-VE07P02750K	VE07P02750K--	275	350	710	5	20	800	600	45	5.7 (0.224)	0.4	.17	.14	.13	.11
-VE09P02750K	VE09P02750K--	275	350	710	10	40	1750	1250	120	5.7 (0.224)	0.2	.17	.14	.13	.11
-VE13P02750K	VE13P02750K--	275	350	710	25	80	3500	2500	210	6.3 (0.248)	0.4	.26	.22	.20	.18
-VE17P02750K	VE17P02750K--	275	350	710	50	160	6000	4500	450	6.3 (0.248)	0.6	.38	.31	.28	.25
-VE24P02750K	VE24P02750K--	275	350	710	100	310	10000	7000	1200	6.7 (0.264)	0.8	.73	.61	.55	.49
-VE07P00301K	VE07P00301K--	300	385	775	5	21	800	600	40	6.0 (0.236)	0.4	.29	.24	.22	.19
-VE13P00301K	VE13P00301K--	300	385	775	25	85	3500	2500	180	6.6 (0.260)	0.4	.51	.43	.38	.34
-VE17P00301K	VE17P00301K--	300	385	775	50	170	6000	4500	400	6.6 (0.260)	0.6	.68	.57	.51	.45
-VE24P00301K	VE24P00301K--	300	385	775	100	340	10000	7000	1000	7.0 (0.276)	0.8	1.49	1.24	1.12	.99

VE TYPE METAL OXIDE VARISTORS ("M SERIES")

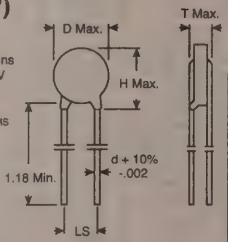
lications:

nsient suppression in automotive environments
ch as ignition pulses, alternator field, mutual harness
pling, inductive load switching fan, heater and booster starts)
nsumer appliances connected to 110 or 220 VAC lines
tection of expensive semiconductor components
tection of industrial equipment and motors endangered by AC
transients (computers, traffic controls, ground fault
mpters, etc.)
tection of equipment connected to telephone or signal lines,
ch as railroad and communications equipment, security and fire
m systems
tage regulation and ARC suppression across relay contacts
ditional uses are found in instrumentation to protect input
minals from encountering destructive high voltages

Features:

- Superior response time of less than 25 ns
- Maximum clamping voltage up to 1350V
- Superior clamping characteristics
- Three different case sizes
- Voltage range from 48 through 510 V_{RMS}
- Polycrystaline zinc oxide dielectric
- Standardized lead spacings

**VE24: For lead diameter = 1.0 (.039), please consult us.



File No. E84108 (S)

DIMENSIONS: mm (IN)

Type	D Ceramic Diameter	D Maximum Coated Dia.	H max.	Ø +10% –0.05 (.002)	E ± 0.8
VE09	7 (.275)	9 (.354)	12 (.472)	0.6 (.024)	5.08 (0.20)
VE17	14 (.551)	17 (.669)	20 (.787)	0.8 (.031)	7.62 (0.30)
VE24**	20 (.787)	24 (.945)	27 (1.06)	0.8** (.031)	7.62 (0.30)

For quantities of 2000 and up, call for quote.

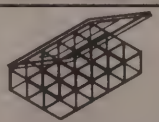
MOUSER STOCK NO.	AVX Part No.	Maximum Operating Voltage (Vrms)	Maximum Clamping Voltage (8 x 20µs) Vp (V)	Maximum Clamping Voltage (8 x 20µs) Ip(A)	Energy (Joules) (10 x 1000µs) Number of Surges 1	Energy (Joules) (10 x 1000µs) Number of Surges 10	Permissible Peak Current (8 x 20µs) 2 Surges	Typical Capacitance f = 1k Hz pF	Typical Power Watts	Price Each 1	100	500	1000
-VE09030K	VE09M00300K	30	93	2.5	2	1	125	1050	0.02	.15	.13	.12	.10
-VZA048XX	VE09M00480K	48	135	10	4	1.6	600	530	0.2	.26	.23	.21	.18
-VZA075XX	VE09M00750K	75	200	10	6	1.8	600	400	0.2	.26	.23	.21	.18
-VZA130XX	VE09M00131K	130	340	10	11	4	600	250	0.2	.14	.13	.12	.09
-VZC130XX	VE17M00131K	130	340	50	38	25	2500	1000	0.6	.29	.27	.24	.19
-VZD130XX	VE24M00131K	130	340	100	70	46	4000	2500	0.8	.59	.54	.49	.39
-VZA150XX	VE09M00151K	150	400	10	13	4.1	600	220	0.2	.14	.13	.12	.09
-VZC150XX	VE17M00151K	150	400	50	45	30	2500	850	0.6	.29	.27	.24	.19
-VZD150XX	VE24M00151K	150	400	100	80	56	4000	2000	0.8	.59	.54	.49	.39
-VZA250XX	VE09M00251K	250	645	10	21	7.3	600	130	0.2	.13	.12	.11	.09
-VZC250XX	VE17M00251K	250	645	50	72	39	2500	500	0.6	.29	.27	.24	.19
-VZA275XX	VE09M02750K	275	710	10	23	7.4	600	120	0.2	.13	.12	.11	.09
-VZC275XX	VE17M02750K	275	710	50	75	40	2500	450	0.6	.29	.27	.24	.19
-VZD275XX	VE24M02750K	275	710	100	140	105	4000	1200	0.8	.61	.56	.51	.41
-VZD510XX	VE24M00511K	510	1350	100	200	150	4000	550	0.8	1.69	1.48	1.38	1.16

METAL OXIDE VARISTOR KIT

0 piece kit contains 2 of the VZC Series, 2 of the VZD Series, 3 of ZA Series, and 3 of the VZC Series. For a Customized Kit with other s, please contact a Mouser Customer Service Representative.

Contains:

3 each, VZA Series: 48, 130, 150 (Vrms)
3 each, VZC Series: 130, 150 (Vrms)
2 each, VZC Series: 250 (Vrms)
2 each, VZD Series: 130, 150, 275, 510 (Vrms)

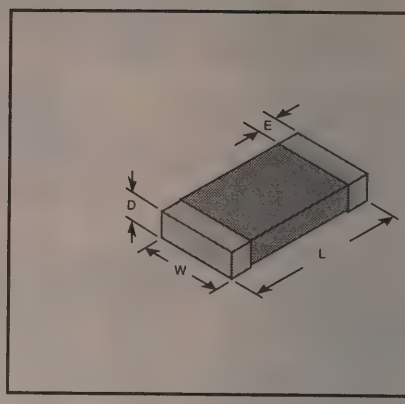


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Price Each
370-MOV-1	$32.95

Littelfuse SURFACE MOUNT ML SERIES VARISTORS

The ML Series family of Transient Voltage Surge Suppressions devices is based on the Littelfuse Multilayer fabrication technology. These components are designed to suppress a variety of transient events, including those specified in IEC 61000-4-2 or other standards used for Electromagnetic Compliance (EMC). The ML Series is typically applied to protect integrated circuits and other components at the circuit board level.



Features:

- Leadless Chip Size: 0603, 0805, 1206 and 1210
- Multilayer Ceramic Construction Technology
- Operating Temperature Range: -55°C to +125°C
- Operating Voltage Range: V_M(DC) = 5.5V to 120V

Applications:

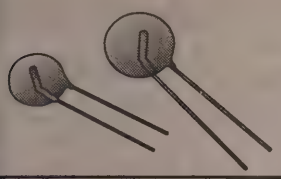
- Suppression of inductive switching or other transient events such as EFT
- Provides on-board transient voltage protection for ICs and transistors
- Used to help achieve electromagnetic compliance of end products
- Replace larger surface mount TVS Zeners in many applications

Chip Dimensions	1210		1206		0805		0603		0402	
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
D Max.	0.113	2.87	0.071	1.8	0.043	1.1	0.035	0.9	0.024	0.9
E	.02 ± .01	.5 ± .25	.02 ± .01	.5 ± .25	.02 ± .01	.5 ± .25	.015 ± .008	.4 ± .2	.01 ± .006	.25 ± .1
L	.125 ± .012	3.2 ± .3	.125 ± .012	3.2 ± .3	.079 ± .008	2.01 ± .2	.063 ± .006	1.6 ± .15	.039 ± .004	1 ± .1
W	.1 ± .012	2.54 ± .3	.06 ± .011	1.6 ± .28	.049 ± .008	1.25 ± .2	.032 ± .06	.8 ± .15	.02 ± .004	.5 ± .1

For quantities of 1000 and up, call fo

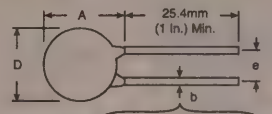
MOUSER STOCK NO.		Package Size	Max. Ratings (125° C)						Specifications (25° C)			Price Each				Reel
			Max. Cont. Working Volt.		Max. Non-repetitive Surge Curr. (8/20µs)	Max. Non-repetitive Surge Engy. (10/1000µs)	Max. Clamping Volt. (8/20µs)		Norm. Volt. at 1mADC Test Current		Typical Capacitance at f=1MHz					
Mfr.	Mfr. Part No.		$V_{M(DC)}$	$V_{M(AC)}$	I_{TM}	W_{TM}	V_C		$V_{N(DC)\ MIN.}$	$V_{N(DC)\ MAX.}$	C	1	10	100	250	Qty.
			Volts	Volts	Amps	Joules	Volts	Amps	Volts	Volts	pF					
576—	V3.5MLA0603H	0603	3.5	2.5	30	0.1	10	2	3.7	7	1100	.22	.19	.17	.16	2,500
576—	V3.5MLA0805LH	0805	3.5	2.5	40	0.1	10	2	3.7	7	1200	.25	.22	.20	.19	2,500
576—	V3.5MLA1206H	1206	3.5	2.5	100	0.3	14	10	3.7	7	6000	.48	.42	.38	.36	2,500
576—	V3.5MLA0805H	0805	3.5	2.5	120	0.3	10	5	3.7	7	2200	.25	.22	.20	.19	2,500
576—	V5.5MLA0402NH	0402	5.5	4	20	0.05	19	1	7.1	10.8	220	.22	.19	.17	.16	10,000
576—	V5.5MLA0603H	0603	5.5	4	30	0.1	19	2	7.1	9.3	660	.31	.26	.22	.20	2,500
576—	V5.5MLA0805LH	0805	5.5	4	40	0.1	15.5	2	7.1	9.3	860	.25	.22	.20	.19	2,500
576—	V5.5MLA0805LNH	0805	5.5	4	40	0.1	15.5	2	7.1	9.3	860	.29	.26	.23	.22	2,500
576—	V5.5MLA0805H	0805	5.5	4	120	0.3	15.5	5	7.1	9.3	1600	.25	.22	.20	.19	2,500
576—	V5.5MLA1206H	1206	5.5	4	150	0.4	15.5	10	7.1	9.3	4500	.48	.42	.38	.36	2,500
576—	V5.5MLA1206NH	1206	5.5	4	150	0.4	15.5	10	7.1	9.3	4500	.56	.49	.45	.42	2,500
576—	V9MLA0402LNH	0402	9	6.5	4	0.02	35	1	11	16	33	.22	.19	.17	.16	10,000
576—	V9MLA0603H	0603	9	6.5	30	0.1	30	2	11	16	420	.22	.19	.17	.16	2,500
576—	V9MLA0603NH	0603	9	6.5	30	0.1	30	2	11	16	420	.25	.22	.20	.19	2,500
576—	V9MLA0805LH	0805	9	6.5	40	0.1	20	2	11	14	450	.25	.22	.20	.19	2,500
576—	V12MLA0805LNH	0805	12	9	40	0.1	38	2	14	18.5	350	.29	.26	.23	.22	2,500
576—	V12MLA0805LH	0805	12	9	40	0.1	38	2	14	18.5	350	.25	.22	.20	.19	2,500
576—	V14MLA0402NH	0402	14	10	20	0.05	38	1	15.9	21.5	70	.22	.19	.17	.16	10,000
576—	V14MLA0603H	0603	14	10	30	0.1	38	2	15.9	21.5	150	.22	.19	.17	.16	2,500
576—	V14MLA0603NH	0603	14	10	30	0.1	38	2	15.9	21.5	150	.25	.22	.20	.19	2,500
576—	V14MLA0805LNH	0805	14	10	40	0.1	30	2	15.9	20.3	270	.29	.26	.23	.22	2,500
576—	V14MLA0805LH	0805	14	10	120	0.3	30	5	15.9	20.3	480	.25	.22	.20	.19	2,500
576—	V14MLA1206H	1206	14	10	150	0.4	30	10	15.9	20.3	1600	.48	.42	.38	.36	2,500
576—	V14MLA1206NH	1206	14	10	150	0.4	30	10	15.9	20.3	1600	.56	.49	.45	.42	2,500
576—	V18MLA0402NH	0402	18	14	20	0.05	50	1	22	28	40	.22	.19	.17	.16	10,000
576—	V18MLA0603H	0603	18	14	30	0.1	50	2	22	28	100	.22	.19	.17	.16	2,500
576—	V18MLA0805LH	0805	18	14	40	0.1	40	2	22	28	250	.25	.22	.20	.19	2,500
576—	V18MLA0805LNH	0805	18	14	40	0.1	40	2	22	28	250	.29	.26	.23	.22	2,500
576—	V18MLA0805H	0805	18	14	120	0.3	40	5	22	28	450	.25	.22	.20	.19	2,500
576—	V18MLA1206H	1206	18	14	150	0.4	40	10	22	28	1100	.48	.42	.38	.36	2,500
576—	V18MLA1210H	1210	18	14	500	2.5	40	10	22	28	1250	.60	.52	.48	.45	2,000
576—	V26MLA0603H	0603	26	20	30	0.1	58	2	31	38	90	.22	.19	.17	.16	2,500
576—	V26MLA0805LH	0805	26	20	40	0.1	58	2	29.5	38.5	115	.25	.22	.20	.19	2,500
576—	V26MLA0805H	0805	26	20	100	0.3	58	5	29.5	38.5	190	.25	.22	.20	.19	2,500
576—	V26MLA1206H	1206	26	20	150	0.6	56	10	29.5	38.5	900	.48	.42	.38	.36	2,500
576—	V26MLA1206NH	1206	26	20	150	0.6	56	10	29.5	38.5	900	.56	.49	.45	.42	2,500
576—	V26MLA1210A	1210	26	20	300	1.2	54	10	29.5	38.5	1000	.60	.52	.48	.45	2,000
576—	V26MLA1210H	1210	26	20	300	1.2	54	10	29.5	38.5	1000	.60	.52	.48	.45	2,000
576—	V30MLA0603H	0603	30	25	30	0.1	65	2	37	46	75	.22	.19	.17	.16	2,500
576—	V30MLA0805LH	0805	30	25	30	0.1	65	2	37	46	80	.25	.22	.20	.19	2,500
576—	V30MLA1210H	1210	30	25	280	1.2	62	10	35	43	1575	.60	.52	.48	.45	2,000
576—	V33MLA1206NH	1206	33	26	180	0.8	72	10	38	49	550	.56	.49	.45	.42	2,500
576—	V42MLA1206H	1206	42	30	180	0.8	86	10	46	60	550	.48	.42	.38	.36	2,500
576—	V42MLA1206NH	1206	42	30	180	0.8	86	10	46	60	550	.56	.49	.45	.42	2,500
576—	V48MLA1210H	1210	48	40	250	1.2	100	10	54.5	66.5	450	.60	.52	.48	.45	2,000
576—	V56MLA1206H	1206	56	40	180	1	110	10	61	77	150	.48	.42	.38	.36	2,500
576—	V60MLA1210H	1210	60	50	250	1.5	120	10	67	83	375	.60	.52	.48	.45	2,000
576—	V68MLA1206H	1206	68	50	180	1	130	10	76	90	150	.48	.42	.38	.36	2,500
576—	V68MLA1206NH	1206	68	50	180	1	130	10	76	90	150	.56	.49	.45	.42	2,500
576—	V85MLA1210H	1210	85	67	250	2.5	160	10	95	115	225	.60	.52	.48	.45	2,000
576—	V85MLA1210NH	1210	85	67	250	2.5	160	10	95	115	225	.58	.50	.46	.44	2,000
576—	V120MLA1210H	1210	120	107	125	2	230	10	135	165	65	.58	.50	.46	.44	2,000

MOUSER ELECTRONICS a ttl company (800) 346-6873



DIMENSIONS: mm (IN.)				
Symbol	7mm	10mm	14mm	20mm
A (max)	12.0 (0.472)	16.0 (0.630)	20.0 (0.787)	26.5 (1.043)
D (max)	9.0 (0.354)	12.5 (0.492)	17.0 (0.669)	23.0 (.906)
e + 1mm -(.039)	6.0 (0.236)	8.5 (0.335)	8.5 (0.335)	8.5 (.335)

DIMENSIONS: mm (IN)



14 and 20mm Models .81 ± .05 (.032 ± .002)

7mm Models .635 ± .05 (.025 ± .002)

ETAL OXIDE VARISTORS ZA SERIES

- de Operating Voltage Range Vm (AC) MS: 4V to 460V
- Voltage Ratings: 5.5V to 615V
- Derating up to 85°C Ambient
- 5 Model Sizes Available: 5,7,10,14 and 20mm
- Radial-Lead Package Design

The ZA Series of transient voltage surge suppressors are radial-lead varistors (MOVs) designed for use in the protection of low and medium voltage circuits and systems. Typical applications include motor control, telecom, automotive systems, solenoid, and power supply circuits to protect circuit board components and maintain data integrity.

nergy rating for impulse duration of 30ms minimum to one half of peak current (auto load dump). ** 10mA DC test current.

For quantities of 500 and up, call for quote.

OUSER STOCK NO. / r. Mfr. Part No.	Model Size Disc Dia. (mm)	Device Model Number Brand	Maximum Ratings (85°C) Continuous V_{RMS}	Continuous V_{DC}	Transient Energy (10/1000μs) W_{TM}	Transient Peak Cur. (8/20μs) I_{TM}	Specifications (25°C) Varistor Voltage @ 1mA DC Test Current V_{NOM} Min.	V_{NOM} Max.	Max. Clamping Voltage 8 x 20μs V_C	I_{PK}	Typical Capacitance f=1MHz C	Price Each 1	10	100	250
			V_{M} (AC)	V_{M} (DC)											
			Volts	Volts	Joules	Amps	Volts	Volts	Volts	Amps	pF				
'6—V8ZA05	5	Z08	4	5.5	0.1	50	6	11	30	1	1400	.23	.20	.19	.18
'6—V8ZA1	7	08Z1	4	5.5	0.4	100	6	11	22	2.5	3000	.23	.20	.19	.18
'6—V8ZA2	10	08Z2	4	5.5	0.8	250	6	11	20	5	7500	.22	.19	.17	.16
'6—V12ZA05	5	Z12	6	8	0.14	50	9	16	37	1	1200	.23	.20	.19	.18
'6—V12ZA2	10	12Z2	6	8	1.2	250	9	16	30	5	6000	.22	.19	.17	.16
'6—V18ZA05	5	Z18	10	14	0.17	100	14.4	21.6	36	1	1000	.22	.19	.17	.16
'6—V18ZA1	7	18Z1	10	14	0.8	250	14.4	21.6	36	2.5	2000	.22	.19	.17	.16
'6—V18ZA2	10	18Z2	10	14	1.5	500	14.4	21.6	36	5	5000	.22	.19	.17	.16
'6—V18ZA3	14	18Z3	10	14	3.5	1000	14.4	21.6	36	10	11000	.27	.24	.22	.21
'6—V18ZA40	20	18Z40	10	14	80	2000	14.4	21.6	37	20	22000	.42	.37	.34	.32
'6—V22ZA05	5	Z22	14	18	0.2	100	18.7	26	43	1	800	.20	.17	.15	.14
'6—V22ZA1	7	22Z1	14	18	0.9	250	18.7	26	43	2.5	1800	.23	.19	.17	.15
'6—V22ZA2	10	22Z2	14	18	2	500	18.7	26	43	5	4000	.22	.19	.17	.16
'6—V22ZA3	14	22Z3	14	18	4	1000	18.7	26	43	10	9000	.50	.42	.36	.31
'6—V24ZA50	20	24Z50	14	18	100	2000	19.2	26	43	20	18000	.63	.53	.48	.42
'6—V27ZA05	5	Z27	17	22	0.25	100	23	31.1	53	1	600	.20	.17	.15	.14
'6—V47ZA20	20	47Z20	30	38	23	2000	42	52	93	20	11000	.42	.37	.34	.32
'6—V47ZA7	14	47Z7	30	38	8.8	1000	42	52	93	10	4500	.27	.24	.22	.21
'6—V47ZA3	10	47Z3	30	38	4.5	500	42	52	93	5	2000	.22	.19	.17	.16
'6—V56ZA2	7	56Z2	35	45	2.3	250	50	62	110	2.5	700	.20	.17	.15	.14
'6—V56ZA8	14	56Z8	35	45	10	1000	50	62	110	10	3900	.27	.24	.22	.21
'6—V68ZA2	7	68Z2	40	56	3	250	61	75	135	2.5	600	.20	.17	.15	.14
'6—V68ZA3	10	68Z3	40	56	6.5	500	61	75	135	5	1500	.22	.19	.17	.16
'6—V68ZA10	14	68Z10	40	56	13	1000	61	75	135	10	3300	.38	.33	.28	.24
'6—V82ZA4	10	82Z4	50	68	8	2500	73	91	135	25	1100	.37	.32	.29	.28
'6—V82ZA12	14	82Z12	50	68	15	4500	73	91	145	50	2500	.35	.30	.28	.26
'6—V100ZA3	5	Z100	60	81	2.5	400	90	117	165	5	180	.20	.17	.15	.14
'6—V100ZA15	14	100Z15	60	81	20	4500	90	110	175	50	2000	.27	.24	.22	.21
'6—V150ZA20	20	150Z20	95	127	45	6500	135	165	250	100	1000	.42	.37	.34	.32
'6—V180ZA1	7	180Z	115	153	10	1200	162	198	300	10	200	.20	.17	.15	.14
'6—V180ZA5	10	180Z5	115	153	18	2500	162	198	300	25	500	.22	.19	.17	.16
'6—V180ZA10	14	180Z10	115	153	35	4500	162	198	300	50	1100	.27	.24	.22	.21
'6—V220ZA05	5	Z220	140	180	6	400	198	253	360	5	90	.29	.26	.23	.22
'6—V330ZA05	5	Z330	210	275	9	400	297	380	540	5	60	.29	.26	.23	.22
'6—V390ZA05	5	Z390	250	330	10	400	351	449	650	5	50	.29	.26	.23	.22

ETAL OXIDE VARISTORS LA SERIES

- de voltage / energy range
- cellent clamp ratio
- t response time
- Low standby power
- No follow-on current
- Radial package
- Line voltage operation
- UL recognized

Littelfuse varistors are voltage dependent, symmetrical, metal-oxide semiconductor devices. Their characteristics enable them to protect against high transient voltage spikes (when properly selected) to meet anticipated loads. When the protected equipment or circuit encounters high voltage spikes, the varistor impedance changes from a very high standby value to a very low conducting value, thus clamping the transient voltage to a protective level. The excess energy of the incoming high voltage pulse is absorbed by the Harris varistor, protecting voltage sensitive components against damage.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / r. Mfr. Part No.	Model Size Disc Dia. (mm)	Device Model Number Brand	Maximum Ratings (85°C) Continuous RMS Voltage	Continuous DC Voltage	Transient Energy (10/1000μs)	Transient Peak Cur. (8/20μs)	Specifications (25°) V_{NOM} Varistor Peak Voltage Max @ 1mA DC	Max @ 1mA AC	Max. Clamping Voltage VC @ Test Current (8x20μs) Vc	Ip	Typical Capacitance @ f=1MHz (pF)	Price Each 1	10	100	250
			Volts	Volts	Joules	Amps	Volts	Volts	Volts	Volts					
'6—V130LA1	7	1301	130	175	11	1200	184	255	390	10	180	.20	.17	.15	.14
'6—V130LA2	7	1302	130	175	11	1200	184	228	340	10	180	.23	.19	.17	.14
'6—V130LA5	10	1305	130	175	20	2500	184	228	340	25	450	.22	.19	.17	.16
'6—V130LA10A	14	130L10	130	175	38	4500	184	228	340	50	1000	.27	.24	.22	.21
'6—V130LA20A	20	130L20	130	175	70	6500	184	228	340	100	1900	.63	.53	.48	.42
'6—V130LA20B	20	130L20B	130	175	70	6500	184	220	325	100	1900	.42	.37	.34	.32
'6—V140LA5	10	1405	140	180	22	2500	198	242	360	25	400	.22	.19	.17	.16
'6—V140LA10A	14	140L10	140	180	42	4500	198	242	360	50	900	.27	.24	.22	.21
'6—V150LA1	7	1501	150	200	13	1200	212	284	430	10	150	.20	.17	.15	.14
'6—V150LA2	7	1502	150	200	13	1200	212	268	395	10	150	.20	.17	.15	.14
'6—V150LA5	10	1505	150	200	25	2500	212	268	395	25	360	.22	.19	.17	.16
'6—V150LA10A	14	150L10	150	200	45	4500	212	268	395	50	800	.38	.33	.28	.24
'6—V150LA20A	20	150L20	150	200	80	6500	212	268	395	100	1600	.61	.51	.43	.37
'6—V150LA20B	20	150L20B	150	200	80	6500	212	243	360	100	1600	.42	.37	.34	.32
'6—V250LA10	10	250L	250	330	40	2500	354	429	650	25	220	.22	.19	.17	.16
'6—V275LA2	7	2752	275	369	23	1200	389	515	775	10	80	.20	.17	.15	.14
'6—V275LA40A	20	275L40	275	369	140	6500	389	473	710	100	900	.61	.51	.43	.37
'6—V275LA40B	20	275L40B	275	369	140	6500	389	453	680	100	900	.61	.51	.43	.37
'6—V320LA20A	14	320L20	320	420	80	4500	462	565	850	50	380	.27	.24	.22	.21
'6—V320LA40B	20	320L40	320	420	150	6500	462	540	810	100	750	.42	.37	.34	.32
'6—V420LA20A	14	420L20	420	560	90	4500	610	748	1120	50	300	.27	.24	.22	.21
'6—V420LA40B	20	420L40	420	560	160	6500	610	720	1060	100	600	.50	.44	.40	.38
'6—V480LA40A	14	480L40	480	640	105	4500	670	825	1240	50	270	.37	.32	.29	.28
'6—V480LA80B	20	480L80	480	640	180	6500	670	790	1160	100	550	.58	.50	.46	.44
'6—V510LA40A	14	510L40	510	675	110	4500	735	910	1350	50	250	.58	.50	.46	.44
'6—V510LA80B	20	510L80	510	675	190	6500	735	860	1280	100	500	.73	.64	.58	.55
'6—V575LA40A	14	575L40	575	730	120	4500	805	1000	1500	50	220	.58	.50	.46	.44
'6—V575LA80B	20	575L80	575	730	220	6500	805	960	1410	100	450	.96	.84	.76	.72
'6—V1000LA160B	20	1000L160	1000	1200	360	6500	1425	1600	2420	100	250	1.82	1.58	1.45	1.37

UltraMOV™ SERIES

For quantities of 1500 and up, call for qu

MOUSER STOCK NO.	Model Size Disc Dia. (mm)	Device Model Number Branding	Maximum Rating (85˚C)					Specifications (25˚C)					Price Each			
			Continous		Transient			Varistor Voltage at 1mA DC Test Current		Maximum Clamping Voltage 8/20 µs		Typical Capacitance				
			RMS Volts	DC Volts	Energy 2ms	Peak Current 8/20 µs										
Mfr. Mfr. Part No.			$V_{M\ (AC)}$	$V_{M\ (DC)}$	W_{TM}	I_{TM} 1 x Pulse	I_{TM} 2 x Pulse	V_{NOM} Min	V_{NOM} Max	V_C	I_{PK}	f = 1MHz	1	50	100	500
			(V)	(V)	(J)	(A)	(A)	(V)		(V)	(A)	(pF)				
576—V07E130	07	7V130	130	170	12.5	1750	1200	184	226	340	10	180	.23	.19	.17	.13
576—V10E130	10	10V130	130	170	25	3500	2500	184	226	340	25	450	.22	.19	.17	.16
576—V14E130	14	14V130	130	170	50	6000	4500	184	226	340	50	1000	.38	.33	.28	.22
576—V20E130	20	20V130	130	170	100	10000	6500	184	226	340	100	1900	.42	.37	.34	.31
576—V07E150	07	7V150	150	200	15	1750	1200	216	264	395	10	150	.20	.17	.15	.13
576—V14E150	14	14V150	150	200	60	6000	4500	216	264	395	50	800	.38	.33	.28	.22
576—V20E150	20	20V150	150	200	120	10000	6500	216	264	395	100	1600	.61	.51	.43	.35
576—V07E175	07	7V175	175	225	17	1750	1200	243	297	455	10	130	.20	.17	.15	.13
576—V20E175	20	20V175	175	225	135	10000	6500	243	297	455	100	1400	.42	.37	.34	.31
576—V20E230	20	20V230	230	300	160	10000	6500	324	396	595	100	1100	.42	.37	.34	.31
576—V07E250	07	7V250	250	320	25	1750	1200	351	429	650	10	90	.20	.17	.15	.13
576—V14E250	14	14V250	250	320	100	6000	4500	351	429	650	50	500	.27	.24	.22	.20
576—V20E250	20	20V250	250	320	170	10000	6500	351	429	650	100	1000	.61	.51	.43	.35
576—V07E300	07	7V300	300	385	30	1750	1200	423	517	775	10	70	.20	.17	.15	.13
576—V10E300	10	10V300	300	385	60	3500	2500	423	517	775	25	180	.22	.19	.17	.16
576—V14E300	14	14V300	300	385	125	6000	4500	423	517	775	50	400	.27	.24	.22	.20
576—V20E300	20	20V300	300	385	250	10000	6500	423	517	775	100	800	.42	.37	.34	.31
576—V10E320	10	10V320	320	420	67	3500	2500	459	561	840	25	170	.22	.19	.17	.16
576—V14E320	14	14V320	320	420	136	6000	4500	459	561	840	50	380	.27	.24	.22	.20
576—V20E320	20	20V320	320	420	273	10000	6500	459	561	840	100	750	.42	.37	.34	.31
576—V20E385	20	20V385	385	505	300	10000	6500	558	682	1025	100	700	.42	.37	.34	.31
576—V14E420	14	14V420	420	560	160	6000	4500	612	748	1120	50	300	.27	.24	.22	.20
576—V20E420	20	20V420	420	560	320	10000	6500	612	748	1120	100	600	.42	.37	.34	.31
576—V20E440	20	20V440	440	585	340	10000	6500	643	787	1180	100	500	.48	.42	.38	.35
576—V10E510	10	10V510	510	670	80	3500	2500	738	902	1355	25	110	.27	.24	.22	.20
576—V14E510	14	14V510	510	670	165	6000	4500	738	902	1355	50	200	.35	.30	.28	.25
576—V20E510	20	20V510	510	670	325	10000	6500	738	902	1355	100	350	.58	.50	.46	.42
576—V20E550	20	20V550	550	745	360	10000	6500	819	1001	1500	100	300	.64	.55	.51	.46

TMOV, iTMOV SERIES

For quantities of 1500 and up, call for qu

MOUSER STOCK NO.	Model Size Disc Dia. (mm)	Device Model Number Branding	Maximum Rating (85˚C)					Specifications (25˚C)					Price Each			
			Continous		Transient			Varistor Voltage at 1mA Test Current		Maximum Clamping Voltage 8/20µs		Typical Capacitance f = 1MHz				
			AC Volts	Suppressed Vol. Rating	Energy 2ms	Peak Surge Current 8/20 µs										
Mfr. Mfr. Part No.			V_M (AC) RMS	UL 1449 Table 60.1	W_{TM}	I_{TM} 1 x Pulse	I_{TM} 2 x Pulse	$V_{N(DC)}$ Min	$V_{N(DC)}$ Max	V_C	I_{PK}	C	1	50	100	500
			(V)	(V)	(J)	(A)	(A)	(V)		(V)	(A)	(pF)				
TMOV																
576—TMOV14R130E	14	4T130E	115	300	35	6000	4500	162	198	300	50	1100	.98	.85	.78	.7
576—TMOV20R130E	20	20T130E	115	300	52	10000	6500	162	198	300	100	2400	1.13	.99	.90	.8
576—TMOV14R175E	14	4T175E	150	500	60	6000	4500	216	264	395	50	800	.98	.85	.78	.7
576—TMOV20R175E	20	20T175E	150	400	120	10000	6500	216	264	395	100	1600	1.13	.99	.90	.8
576—TMOV14R250E	14	4T250E	200	700	75	6000	4500	281	344	530	50	630	.98	.85	.78	.7
576—TMOV20R250E	20	20T250E	200	700	154	10000	6500	281	344	530	100	1250	1.13	.99	.90	.8
576—TMOV14R115E	14	4T115E	250	800	100	6000	4500	351	429	650	50	500	.98	.85	.78	.7
576—TMOV20R115E	20	20T115E	250	700	170	10000	6500	351	429	650	100	1000	1.13	.99	.90	.8
576—TMOV14R300E	14	4T300E	300	900	125	6000	4500	423	517	775	50	400	.98	.85	.78	.7
576—TMOV20R300E	20	20T300E	300	900	250	10000	6500	423	517	775	100	800	1.13	.99	.90	.8
576—TMOV14R385E	14	4T385E	385	1200	150	6000	4500	558	682	1025	50	360	1.02	.89	.81	.7
576—TMOV20R385E	20	20T385E	385	1200	300	10000	6500	558	682	1025	100	700	1.17	1.02	.93	.8
576—TMOV14R420E	14	4T420E	420	1200	160	6000	4500	612	748	1120	50	300	1.02	.89	.81	.7
576—TMOV14R115E	14	4T115E	250	800	100	6000	4500	351	429	650	50	500	.98	.85	.78	.7
576—TMOV20R115E	20	20T115E	250	700	170	10000	6500	351	429	650	100	1000	1.13	.99	.90	.8
576—TMOV14R300E	14	4T300E	300	900	125	6000	4500	423	517	775	50	400	.98	.85	.78	.7
576—TMOV20R300E	20	20T300E	300	900	250	10000	6500	423	517	775	100	800	1.13	.99	.90	.8
576—TMOV14R385E	14	4T385E	385	1200	150	6000	4500	558	682	1025	50	360	1.02	.89	.81	.7
576—TMOV20R385E	20	20T385E	385	1200	300	10000	6500	558	682	1025	100	700	1.17	1.02	.93	.8
576—TMOV14R420E	14	4T420E	420	1200	160	6000	4500	612	748	1120	50	300	1.02	.89	.81	.7
576—TMOV20R420E	20	20T420E	420	1200	320	10000	6500	612	748	1120	100	600	1.17	1.02	.93	.8
576—TMOV20R460E	20	20T460E	460	n/a	360	10000	6500	675	825	1240	100	200	1.17	1.02	.93	.8
576—TMOV20R510E	20	20T510E	540	n/a	325	10000	6500	738	902	1355	100	350	1.25	1.09	.99	.9
576—TMOV20R550E	20	20T550E	550	n/a	360	10000	6500	819	1001	1500	100	300	1.25	1.09	.99	.9
576—TMOV20R575E	20	20T575E	575	n/a	375	10000	6500	856	1047	1568	100	275	1.25	1.09	.99	.9
576—TMOV20R750E	20	20T750E	625	n/a	52	10000	6500	900	1100	1650	100	250	1.44	1.25	1.14	1.0
576—TMOV20R625E	20	20T625E	750	n/a	100	10000	6500	1080	1320	1980	100	175	1.34	1.17	1.07	.9
iTMOV																
576—TMOV14R130M	14	4T130M	115	300	35	6000	4500	162	198	300	50	1100	1.05	.92	.84	.7
576—TMOV20R130M	20	20T130M	115	300	52	10000	6500	162	198	300	100	2400	1.21	1.05	.96	.8
576—TMOV14R175M	14	4T175M	150	500	60	6000	4500	216	264	395	50	800	1.05	.92	.84	.7
576—TMOV20R175M	20	20T175M	150	400	120	10000	6500	216	264	395	100	1600	1.21	1.05	.96	.8
576—TMOV14R250M	14	4T250M	200	700	75	6000	4500	281	344	530	50	630	1.05	.92	.84	.7
576—TMOV20R250M	20	20T250M	200	700	154	10000	6500	281	344	530	100	1250	1.21	1.05	.96	.8
576—TMOV14R115M	14	4T115M	250	800	100	6000	4500	351	429	650	50	500	1.05	.92	.84	.7
576—TMOV20R115M	20	20T115M	250	700	170	10000	6500	351	429	650	100	1000	1.21	1.05	.96	.8
576—TMOV14R300M	14	4T300M	300	900	125	6000	4500	423	517	775	50	400	1.05	.92	.84	.7
576—TMOV20R300M	20	20T300M	300	900	250	10000	6500	423	517	775	100	800	1.21	1.05	.96	.8
576—TMOV14R385M	14	4T385M	385	1200	150	6000	4500	558	682	1025	50	360	1.09	.95	.87	.8
576—TMOV20R385M	20	20T385M	385	1200	300	10000	6500	558	682	1025	100	700	1.25	1.09	.99	.9
576—TMOV20R250M	20	20T250M	200	700	154	10000	6500	281	344	530	100	1250	1.21	1.05	.96	.8
576—TMOV14R115M	14	4T115M	250	800	100	6000	4500	351	429	650	50	500	1.05	.92	.84	.7
576—TMOV20R115M	20	20T115M	250	700	170	10000	6500	351	429	650	100	1000	1.21	1.05	.96	.8
576—TMOV14R300M	14	4T300M	300	900	125	6000	4500	423	517	775	50	400	1.05	.92	.84	.7
576—TMOV20R300M	20	20T300M	300	900	250	10000	6500	423	517	775	100	800	1.21	1.05	.96	.8
576—TMOV14R385M	14	4T385M	385	1200	150	6000	4500	558	682	1025	50	360	1.09	.95	.87	.8
576—TMOV20R385M	20	20T385M	385	1200	300	10000	6500	558	682	1025	100	700	1.25	1.09	.99	.9
576—TMOV14R420M	14	4T420M	420	1200	160	6000	4500	612	748	1120	50	300	1.09	.95	.87	.8
576—TMOV20R420M	20	20T420M	420	1200	320	10000	6500	612	748	1120	100	600	1.25	1.09	.99	.9
576—TMOV20R460M	20	20T460M	460	n/a	360	10000	6500	675	825	1240	100	200	1.25	1.09	.99	.9
576—TMOV20R510M	20	20T510M	510	n/a	325	10000	6500	738	902	1355	100	350	1.32	1.15	1.05	.9
576—TMOV20R550M	20	20T550M	550	n/a	360	10000	6500	819	1001	1500	100	300	1.32	1.15	1.05	.9
576—TMOV20R575M	20	20T575M	575	n/a	375	10000	6500	856	1047	1568	100	275	1.32	1.15	1.05	.9
576—TMOV20R750M	20	20T750M	625	400	52	10000	6500	900	1100	1650	100	250	1.53	1.33	1.22	1.1
576—TMOV20R625M	20	20T625M	750	480	100	10000	6500	1080	1320	1980	100	175	1.44	1.25	1.14	1.0

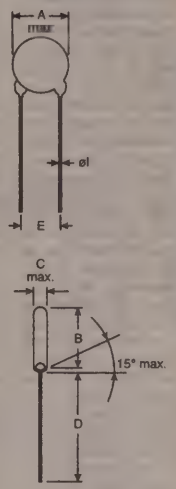
AYCHEM METAL OXIDE VARISTORS

chem's ROV (Radial-leaded Metal Oxide Varistor) products help to provide protection against overvoltage faults such as lightning, power contact, and power induction, for a wide variety of er systems. Suitable for a broad range of applications including, but not limited to, security systems, power supplies, surge strips, motors, and telecommunications equipment, ROV devices to protect valuable equipment from potential power surge damage by clamping high-energy, shortduration impulses. The ROV devices have high current handling and energy absorption ability and fast response times to help protect against transient faults.

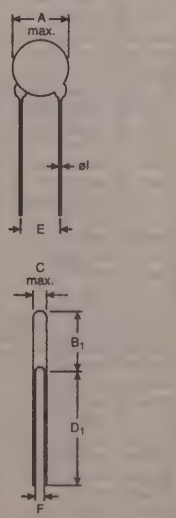
For quantities of 2,500 and up, call for quote.

MOUSER STOCK NO.	Raychem Part No.	Voltage @ .1mA		Voltage Max.		Voltage Max.	Current Max. Surge		Wattage	Energy (10x 1000μS)	Cap. Typ. (pF)	Price Each		
		VDC	Tol.	ACrms	VDC	V@5A	1	2				1	100	500
mm Standard														
0-ROV05-180M-S	ROV05-180M	18	±20%	11	14	40.1	100	50	0.01	0.6	1121	.09	.07	.06
0-ROV05-220L-S	ROV05-220L	22	±15%	14	18	48.1	100	50	0.01	0.7	1233	.09	.07	.06
0-ROV05-330K-S	ROV05-330K	33	±10%	20	26	73.1	100	50	0.01	1.1	834	.09	.07	.06
0-ROV05-390K	ROV05-390K	39	±10%	25	31	86.1	100	50	0.01	1.2	877	.09	.07	.06
0-ROV05-820K-S	ROV05-820K	82	±10%	50	65	145	400	200	0.1	2.8	269	.07	.05	.04
0-ROV05-201K-S-2	ROV05-201K	200	±10%	130	170	355	400	200	0.1	7.1	85	.08	.06	.05
0-ROV05-221K-S-2	ROV05-221K	220	±10%	140	180	380	400	200	0.1	7.8	80	.08	.06	.05
0-ROV05-241K-S-2	ROV05-241K	240	±10%	150	200	415	400	200	0.1	8.4	74	.07	.05	.04
0-ROV05-271K-S-2	ROV05-271K	270	±10%	175	225	475	400	200	0.1	9.9	69	.07	.05	.04
0-ROV05-301K-S-2	ROV05-301K	300	±10%	195	250	525	400	200	0.1	10.5	65	.07	.05	.05
0-ROV05-331K-S-2	ROV05-331K	330	±10%	210	275	575	400	200	0.1	11.5	60	.08	.06	.05
0-ROV05-361K-S-2	ROV05-361K	360	±10%	230	300	620	400	200	0.1	13	69	.08	.06	.05
0-ROV05-391K-S-2	ROV05-391K	390	±10%	250	320	675	400	200	0.1	15	56	.07	.05	.04
0-ROV05-431K-S-2	ROV05-431K	430	±10%	275	350	745	400	200	0.1	16.5	47	.07	.05	.04
0-ROV05-471K-2	ROV05-471K	470	±10%	300	385	810	400	200	0.1	17.5	50	.07	.05	.04
0-ROV05-511K-S-2	ROV05-511K	510	±10%	320	418	880	400	200	0.1	18.5	50	.09	.06	.05
0-ROV05-561K-S-2	ROV05-561K	560	±10%	350	460	940	400	200	0.1	19.5	50	.09	.06	.05
mm Standard														
0-ROV07-180M	ROV07-180M	18	±20%	11	14	36.1	250	125	0.02	1.2	2918	.09	.07	.06
0-ROV07-220L-S	ROV07-220L	22	±15%	14	18	43.1	250	125	0.02	1.4	1933	.09	.07	.06
0-ROV07-270K-S	ROV07-270K	27	±10%	17	22	53.1	250	125	0.02	1.7	2344	.09	.07	.06
0-ROV07-330K-S	ROV07-330K	33	±10%	20	26	65.1	250	125	0.02	2.2	1840	.09	.07	.06
0-ROV07-390K-S	ROV07-390K	39	±10%	25	31	77.1	250	125	0.02	2.4	1817	.09	.07	.06
0-ROV07-470K-S	ROV07-470K	47	±10%	30	38	93.1	250	125	0.02	3	1595	.09	.07	.06
0-ROV07-560K-S	ROV07-560K	56	±10%	35	45	110.1	250	125	0.02	3.5	1333	.09	.07	.06
0-ROV07-101K-S	ROV07-101K	100	±10%	60	85	165	1200	600	0.25	7	535	.07	.05	.05
0-ROV07-201K-S-2	ROV07-201K	200	±10%	130	170	340	1200	600	0.25	14.3	224	.08	.06	.05
0-ROV07-221K-S-2	ROV07-221K	220	±10%	140	180	360	1200	600	0.25	15.5	190	.08	.06	.05
0-ROV07-241K-S-2	ROV07-241K	240	±10%	150	200	395	1200	600	0.25	16.8	185	.07	.05	.05
0-ROV07-271K-S-2	ROV07-271K	270	±10%	175	225	455	1200	600	0.25	19.8	161	.07	.05	.05
0-ROV07-301K-S-2	ROV07-301K	300	±10%	195	250	505	1200	600	0.25	21	135	.08	.06	.05
0-ROV07-331K-S-2	ROV07-331K	330	±10%	210	275	550	1200	600	0.25	23	141	.08	.06	.05
0-ROV07-361K-S-2	ROV07-361K	360	±10%	230	300	595	1200	600	0.25	26	117	.08	.06	.05
0-ROV07-391K-S-2	ROV07-391K	390	±10%	250	320	650	1200	600	0.25	30	110	.07	.05	.05
0-ROV07-431K-S-2	ROV07-431K	430	±10%	275	350	710	1200	600	0.25	33	111	.07	.05	.05
0-ROV07-471K-S-2	ROV07-471K	470	±10%	300	385	775	1200	600	0.25	35	102	.07	.05	.05
0-ROV07-511K-S-2	ROV07-511K	510	±10%	320	418	842	1200	600	0.25	37	100	.09	.07	.06
0-ROV07-561K-S-2	ROV07-561K	560	±10%	350	460	920	1200	600	0.25	39	87	.09	.07	.06
mm Standard														
0-ROV10-180M-S	ROV10-180M	18	±20%	11	14	36.1	500	250	0.05	2.4	6500	.14	.11	.09
0-ROV10-220L-S	ROV10-220L	22	±15%	14	18	43.1	500	250	0.05	2.7	5521	.14	.11	.09
0-ROV10-270K-S	ROV10-270K	27	±10%	17	22	53.1	500	250	0.05	3.5	4742	.14	.11	.09
0-ROV10-390K-S	ROV10-390K	39	±10%	25	31	77.1	500	250	0.05	4.7	3658	.14	.11	.09
0-ROV10-470K-S	ROV10-470K	47	±10%	30	38	93.1	500	250	0.05	6	3137	.14	.11	.09
0-ROV10-560K-S	ROV10-560K	56	±10%	35	45	110.1	500	250	0.05	7	2900	.14	.11	.09
0-ROV10-820K-S-2	ROV10-820K	82	±10%	50	65	135	2500	1250	0.4	11	1261	.12	.09	.07
0-ROV10-101K-S	ROV10-101K	100	±10%	60	85	165	2500	1250	0.4	14	1021	.11	.08	.07
0-ROV10-151K-S	ROV10-151K	150	±10%	95	125	250	2500	1250	0.4	22	733	.11	.08	.07
0-ROV10-201K-S-2	ROV10-201K	200	±10%	130	170	340	2500	1250	0.4	28.5	400	.12	.09	.07
0-ROV10-221K-S-2	ROV10-221K	220	±10%	140	180	360	2500	1250	0.4	31	393	.12	.09	.07
0-ROV10-241K-S-2	ROV10-241K	240	±10%	150	200	395	2500	1250	0.4	33.5	325	.10	.08	.06
0-ROV10-271K-S-2	ROV10-271K	270	±10%	175	225	455	2500	1250	0.4	39.5	334	.10	.08	.06
0-ROV10-301K-S-2	ROV10-301K	300	±10%	195	250	505	2500	1250	0.4	42	278	.12	.09	.08
0-ROV10-331K-S-2	ROV10-331K	330	±10%	210	275	550	2500	1250	0.4	46	275	.13	.10	.08
0-ROV10-361K-S-2	ROV10-361K	360	±10%	230	300	595	2500	1250	0.4	52	231	.13	.10	.08
0-ROV10-391K-S-2	ROV10-391K	390	±10%	250	320	650	2500	1250	0.4	60	247	.12	.09	.08
0-ROV10-431K-S-2	ROV10-431K	430	±10%	275	350	710	2500	1250	0.4	66	216	.12	.09	.08
0-ROV10-471K-S-2	ROV10-471K	470	±10%	300	385	775	2500	1250	0.4	70	210	.12	.09	.08
0-ROV10-511K-S-2	ROV10-511K	510	±10%	320	418	842	2500	1250	0.4	74	187	.14	.11	.09
0-ROV10-561K-S-2	ROV10-561K	560	±10%	350	460	920	2500	1250	0.4	78	186	.13	.10	.09
0-ROV10-681K-S-2	ROV10-681K	680	±10%	420	560	1120	2500	1250	0.4	86	156	.19	.14	.12
mm Standard														
0-ROV14-180M	ROV14-180M	18	±20%	11	14	36.1	1000	500	0.1	4.7	14898	.20	.16	.13
0-ROV14-220L-S	ROV14-220L	22	±15%	14	18	43.1	1000	500	0.1	5.4	11957	.20	.16	.13
0-ROV14-201K-S-2	ROV14-201K	200	±10%	130	170	340	4500	2500	0.6	57	845	.17	.13	.11
0-ROV14-221K-S-2	ROV14-221K	220	±10%	140	180	360	4500	2500	0.6	62	713	.17	.13	.11
0-ROV14-241K-S	ROV14-241K	240	±10%	150	200	395	4500	2500	0.6	67	769	.14	.11	.09
0-ROV14-271K-S-2	ROV14-271K	270	±10%	175	225	455	4500	2500	0.6	79	655	.15	.12	.10
0-ROV14-301K-S-2	ROV14-301K	300	±10%	195	250	505	4500	2500	0.6	84	650	.17	.13	.11
0-ROV14-331K-S-2	ROV14-331K	330	±10%	210	275	550	4500	2500	0.6	92	613	.18	.14	.12
0-ROV14-361K-S-2	ROV14-361K	360	±10%	230	300	595	4500	2500	0.6	104	465	.18	.14	.12
0-ROV14-391K-S-2	ROV14-391K	390	±10%	250	320	650	4500	2500	0.6	120	458	.16	.12	.11
0-ROV14-431K-S-2	ROV14-431K	430	±10%	275	350	710	4500	2500	0.6	132	454	.16	.12	.11
0-ROV14-471K-S-2	ROV14-471K	470	±10%	300	385	775	4500	2500	0.6	140	413	.16	.12	.11
0-ROV14-511K-S	ROV14-511K	510	±10%	320	418	842	4500	2500	0.6	148	374	.20	.16	.13
0-ROV14-561K-S-2	ROV14-561K	560	±10%	350	460	920	4500	2500	0.6	156	398	.19	.15	.13
0-ROV14-681K-S	ROV14-681K	680	±10%	420	560	1120	4500	2500	0.6	172	312	.23	.18	.15

Kinked Lead (Standard)



Straight Lead (-S)



Diameter	5mm	7mm
A max.	7.5	9
l ± .05	0.6	0.6
E ± 1	5	5
B max.	11	13
C min.	4.5	4.5
C max.	7.9	8.3
D1 min.	25	25
D min.	24	24

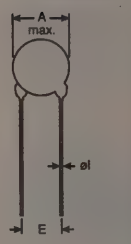
Diameter	10mm	14mm
A max.	12.5	16.5
l ± .05	0.8	0.8
E ± 1	7.5	7.5
B max.	18	22
C min.	4.9	5
C max.	12.6	12.8
D1 min.	25	25
D min.	24	24

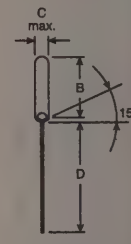
RAYCHEM METAL OXIDE VARISTORS (cont.)

For quantities of 2,500 and up, call for quote.

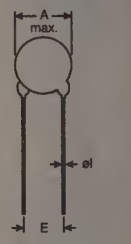
MOUSER STOCK NO.	Raychem Part No.	Voltage @ .1mA		Voltage Max.		Current Max.	Current Max. Surge		Wattage	Energy (10x 1000μS)	Cap. Typ. (pF)	Price Each		
		VDC	Tol.	ACrms	VDC	V@5A	1	2				1	100	500
20mm Standard														
650-ROV20-180M-S	ROV20-180M	18	±20%	11	14	36.1	2000	1000	0.2	7	27100	.35	.28	.26
650-ROV20-220M-S	ROV20-220M	22	±20%	14	18	43.1	2000	1000	0.2	8	21200	.35	.28	.26
650-ROV20-820K-S-2	ROV20-820K	82	±10%	50	65	135	6500	4000	1	44	5200	.31	.25	.23
650-ROV20-201K-S	ROV20-201K	200	±10%	130	170	340	6500	4000	1	114	1829	.29	.23	.21
650-ROV20-221K-S-2	ROV20-221K	220	±10%	140	180	360	6500	4000	1	124	1600	.31	.25	.23
650-ROV20-241K-S-2	ROV20-241K	240	±10%	150	200	395	6500	4000	1	134	1422	.27	.21	.19
650-ROV20-271K-S-2	ROV20-271K	270	±10%	175	225	455	6500	4000	1	158	1261	.27	.21	.19
650-ROV20-331K-S-2	ROV20-331K	330	±10%	210	275	550	6500	4000	1	184	1106	.32	.26	.23
650-ROV20-361K-S-2	ROV20-361K	360	±10%	230	300	595	6500	4000	1	208	987	.32	.26	.23
650-ROV20-391K-S-2	ROV20-391K	390	±10%	250	320	650	6500	4000	1	240	975	.30	.24	.22
650-ROV20-431K-S-2	ROV20-431K	430	±10%	275	350	710	6500	4000	1	264	858	.30	.24	.22
650-ROV20-471K-S-2	ROV20-471K	470	±10%	300	385	775	6500	4000	1	280	761	.30	.24	.22
650-ROV20-511K-S-2	ROV20-511K	510	±10%	320	418	842	6500	4000	1	296	792	.33	.27	.24
650-ROV20-561K-S-2	ROV20-561K	560	±10%	350	460	920	6500	4000	1	312	679	.33	.27	.24
5mm H Series, High Surge														
650-ROV05H201K-S-2	ROV05H201K	200	±10%	130	170	355	800	600	0.1	8.5	85	.08	.06	.05
650-ROV05H221K-S-2	ROV05H221K	220	±10%	140	180	380	800	600	0.1	9	80	.08	.06	.05
650-ROV05H241K-S-2	ROV05H241K	240	±10%	150	200	415	800	600	0.1	10.5	75	.07	.05	.04
650-ROV05H271K-S-2	ROV05H271K	270	±10%	175	225	475	800	600	0.1	11	70	.07	.05	.04
650-ROV05H301K-S-2	ROV05H301K	300	±10%	195	250	525	800	600	0.1	12	65	.08	.06	.05
650-ROV05H331K-S-2	ROV05H331K	330	±10%	210	275	575	800	600	0.1	13	60	.08	.06	.05
650-ROV05H361K-S-2	ROV05H361K	360	±10%	230	300	620	800	600	0.1	16	70	.08	.06	.05
650-ROV05H391K-S-2	ROV05H391K	390	±10%	250	320	675	800	600	0.1	17	55	.07	.05	.04
650-ROV05H431K-S-2	ROV05H431K	430	±10%	275	350	745	800	600	0.1	20	45	.07	.05	.04
650-ROV05H471K-S-2	ROV05H471K	470	±10%	300	385	810	800	600	0.1	21	50	.07	.05	.04
650-ROV05H511K-S-2	ROV05H511K	510	±10%	320	418	880	800	600	0.1	22	50	.09	.07	.06
650-ROV05H561K-S-2	ROV05H561K	560	±10%	350	460	940	800	600	0.1	25	50	.09	.07	.06
7mm H Series, High Surge														
650-ROV07H220L	ROV07H220L	22	±15%	14	18	43.1	500	250	0.02	1.7	2930	.10	.07	.06
650-ROV07H201K-S-2	ROV07H201K	200	±10%	130	170	340	1750	1250	0.25	17.5	220	.09	.06	.05
650-ROV07H221K-2	ROV07H221K	220	±10%	140	180	360	1750	1250	0.25	19	190	.09	.06	.05
650-ROV07H241K-S-2	ROV07H241K	240	±10%	150	200	395	1750	1250	0.25	21	190	.08	.06	.05
650-ROV07H271K-S-2	ROV07H271K	270	±10%	175	225	455	1750	1250	0.25	24	160	.08	.06	.05
650-ROV07H301K-S	ROV07H301K	300	±10%	195	250	505	1750	1250	0.25	26	140	.07	.05	.05
650-ROV07H331K-S	ROV07H331K	330	±10%	210	275	550	1750	1250	0.25	28	140	.08	.06	.05
650-ROV07H361K	ROV07H361K	360	±10%	230	300	595	1750	1250	0.25	32	120	.08	.06	.05
650-ROV07H391K-S-2	ROV07H391K	390	±10%	250	320	650	1750	1250	0.25	35	110	.08	.06	.05
650-ROV07H431K-2	ROV07H431K	430	±10%	275	350	710	1750	1250	0.25	40	110	.08	.06	.05
650-ROV07H471K-S-2	ROV07H471K	470	±10%	300	385	775	1750	1250	0.25	42	100	.08	.06	.05
650-ROV07H511K-2	ROV07H511K	510	±10%	320	418	842	1750	1250	0.25	45	100	.09	.07	.06
650-ROV07H561K-S-2	ROV07H561K	560	±10%	350	460	920	1750	1250	0.25	51	85	.09	.07	.06
10mm H Series, High Surge														
650-ROV10H201K-S-2	ROV10H201K	200	±10%	130	170	340	3500	2500	0.4	35	400	.12	.09	.08
650-ROV10H221K-S-2	ROV10H221K	220	±10%	140	180	360	3500	2500	0.4	39	390	.12	.09	.08
650-ROV10H241K-S-2	ROV10H241K	240	±10%	150	200	395	3500	2500	0.4	42	330	.11	.08	.07
650-ROV10H271K-S-2	ROV10H271K	270	±10%	175	225	455	3500	2500	0.4	49	330	.11	.08	.07
650-ROV10H301K-S-2	ROV10H301K	300	±10%	195	250	505	3500	2500	0.4	52	280	.12	.09	.08
650-ROV10H331K-S-2	ROV10H331K	330	±10%	210	275	550	3500	2500	0.4	58	280	.13	.10	.08
650-ROV10H361K-S-2	ROV10H361K	360	±10%	230	300	595	3500	2500	0.4	65	230	.13	.10	.08
650-ROV10H391K-S-2	ROV10H391K	390	±10%	250	320	650	3500	2500	0.4	70	250	.12	.09	.08
650-ROV10H431K-S-2	ROV10H431K	430	±10%	275	350	710	3500	2500	0.4	80	220	.12	.09	.08
650-ROV10H471K-S-2	ROV10H471K	470	±10%	300	385	775	3500	2500	0.4	85	210	.12	.09	.08
650-ROV10H511K-S-2	ROV10H511K	510	±10%	320	418	842	3500	2500	0.4	92	190	.15	.12	.10
650-ROV10H561K-S-2	ROV10H561K	560	±10%	350	460	920	3500	2500	0.4	102	190	.14	.11	.09
14mm H Series, High Surge														
650-ROV14H201K-S-2	ROV14H201K	200	±10%	130	170	340	6000	4500	0.6	70	840	.18	.14	.12
650-ROV14H221K-S-2	ROV14H221K	220	±10%	140	180	360	6000	4500	0.6	78	710	.18	.14	.12
650-ROV14H241K-S-2	ROV14H241K	240	±10%	150	200	395	6000	4500	0.6	84	770	.16	.12	.10
650-ROV14H271K-S-2	ROV14H271K	270	±10%	175	225	455	6000	4500	0.6	99	650	.16	.12	.10
650-ROV14H301K-S-2	ROV14H301K	300	±10%	195	250	505	6000	4500	0.6	105	650	.18	.14	.12
650-ROV14H331K-S-2	ROV14H331K	330	±10%	210	275	550	6000	4500	0.6	115	610	.19	.15	.12
650-ROV14H361K-S-2	ROV14H361K	360	±10%	230	300	595	6000	4500	0.6	130	470	.19	.15	.12
650-ROV14H391K-S-2	ROV14H391K	390	±10%	250	320	650	6000	4500	0.6	140	460	.17	.13	.11
650-ROV14H431K-S-2	ROV14H431K	430	±10%	275	350	710	6000	4500	0.6	155	450	.17	.13	.11
650-ROV14H471K-S-2	ROV14H471K	470	±10%	300	385	775	6000	4500	0.6	175	420	.17	.13	.11
650-ROV14H511K-S	ROV14H511K	510	±10%	320	418	842	6000	4500	0.6	190	370	.21	.17	.14
650-ROV14H561K-S-2	ROV14H561K	560	±10%	350	460	920	6000	4500	0.6	205	400	.20	.16	.13
20mm H Series, High Surge														
650-ROV20H201K-S-2	ROV20H201K	200	±10%	130	170	340	10000	6500	1	140	1830	.32	.26	.24
650-ROV20H221K-S-2	ROV20H221K	220	±10%	140	180	360	10000	6500	1	155	1600	.32	.26	.24
650-ROV20H241K-S-2	ROV20H241K	240	±10%	150	200	395	10000	6500	1	168	1420	.28	.22	.20
650-ROV20H271K-S-2	ROV20H271K	270	±10%	175	225	455	10000	6500	1	190	1260	.28	.22	.20
650-ROV20H301K-S-2	ROV20H301K	300	±10%	195	250	505	10000	6500	1	210	1100	.32	.25	.23
650-ROV20H331K-S-2	ROV20H331K	330	±10%	210	275	550	10000	6500	1	228	1110	.34	.27	.25
650-ROV20H361K-S-2	ROV20H361K	360	±10%	230	300	595	10000	6500	1	255	990	.34	.27	.25
650-ROV20H391K-S-2	ROV20H391K	390	±10%	250	320	650	10000	6500	1	275	980	.32	.25	.23
650-ROV20H431K-S-2	ROV20H431K	430	±10%	275	350	710	10000	6500	1	303	860	.32	.25	.23
650-ROV20H471K-S-2	ROV20H471K	470	±10%	300	385	775	10000	6500	1	350	760	.32	.25	.23
650-ROV20H511K-S-2	ROV20H511K	510	±10%	320	418	842	10000	6500	1	382	790	.35	.28	.25
650-ROV20H561K-S-2	ROV20H561K	560	±10%	350	460	920	10000	6500	1	410	680	.35	.28	.25
14mm E Series, Extra High Surge														
650-ROV14E201K-S	ROV14E201K	200	±10%	130	170	340	6500	6000	0.6	84	840	.19	.15	.12
650-ROV14E221K-S	ROV14E221K	220	±10%	140	180	360	6500	6000	0.6	93	710	.19	.15	.12
650-ROV14E241K-S-2	ROV14E241K	240	±10%	150	200	395	6500	6000	0.6	101	770	.17	.13	.11
20mm E Series, Extra High Surge														
650-ROV20E201K-S-2	ROV20E201K	200	±10%	130	170	340	12500	10000	1	168	2250	.35	.28	.26
650-ROV20E221K-S	ROV20E221K	220	±10%	140	180	360	12500	10000	1	186	2050	.33	.27	.24

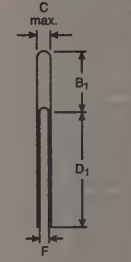
Kinked Lead (Standard)





Straight Lead (-S)





Diameter	5mm	7mm
A max.	7.5	9
l ± .05	0.6	0.6
E ± 1	5	5
B max.	11	13
C min.	4.5	4.5
C max.	7.9	8.3
D1 min.	25	25
D min.	24	24

Diameter	10mm	14mm
A max.	12.5	16.5
l ± .05	0.8	0.8
E ± 1	7.5	7.5
B max.	18	22
C min.	4.9	5
C max.	12.6	12.8
D1 min.	25	25
D min.	24	24

Diameter	20mm
A max.	23
l ± .05	1
E ± 1	10
B max.	28
C min.	5.2
C max.	13.5
D1 min.	25
D min.	24

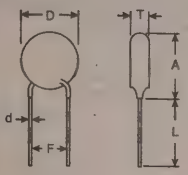
322 59X XXXX SERIES RADIAL LEADED METAL OXIDE VARISTORS

e varistors consist of a disc of ceramic material with two ed solid copper leads.

y are coated with a layer of epoxy, which provides ctrical, mechanical, and climatic protection.
e encapsulation is resistant to all cleaning solvents in ordance with "IEC 60068-2-45".

etures:
Zinc oxide disc, epoxy coated
Non-flammable

r Lead-Free version,
e 594-2381-59X-XXXXX



DIMENSIONS mm

Model	D (max.)	A (max.)	A_0 (max.)	L (min.)	T (max.)	T (min.)	øD	F
2322 592	7.0	9.0	11.0	27.0	6	4.1	0.6 ±.05	5 ±0.6/-0.1
2322 593	9.0	11.0	13.0	27.0	6	4.1	0.6 ±.05	5 ±0.6/-0.1
2322 594	13.5	15.5	18.0	17.0	7	4.4	0.8 ±.05	7.5 ±0.8
2322 595	17.0	19.0	23.0	16.0	7	4.4	0.8 ±.05	7.5 ±0.8

Lead Free

For quantities of 2,500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Max. Cont. Voltage RMS (V)	Max. Cont. Voltage DC (V)	Voltage @ 1mA (V)	Max. Volt. @ Current V (V)	Max. Volt. @ Current I (A)	Max. Energy (J)	Max. Non Rep. Transient	Typical Capacitance (pF)	Price Each 1	25	50	100	500
594-2381-592-53006	238159253006	30	38	47	96	1	1.1	100	700	.29	.26	.22	.20	.16
594-2322-592-53506	232259253506	35	45	56	123	1	1.4	100	560	.29	.26	.22	.20	.16
594-2322-592-54006	232259254006	40	56	68	145	1	1.6	100	460	.29	.26	.22	.20	.16
594-2322-592-55006	232259255006	50	65	82	145	5	2.6	400	370	.29	.26	.22	.20	.16
594-2322-592-56006	232259256006	60	85	100	165	5	2.9	400	290	.29	.26	.22	.20	.16
594-2322-592-57506	232259257506	75	100	120	190	5	3.4	400	240	.29	.26	.22	.20	.16
594-2322-592-51316	232259251316	130	170	205	310	5	5.5	400	130	.29	.26	.22	.20	.16
594-2322-592-51416	232259251416	140	180	220	350	5	6.3	400	120	.29	.26	.22	.20	.16
594-2322-592-51516	232259251516	150	200	240	395	5	7.1	400	110	.29	.26	.22	.20	.16
594-2322-592-51716	232259251716	175	225	275	410	5	7.3	400	90	.29	.26	.22	.20	.16
594-2322-592-52316	232259252316	230	300	360	560	5	10	400	70	.29	.26	.22	.20	.16
594-2381-592-52516	238159252516	250	320	390	600	5	11	400	60	.29	.26	.22	.20	.16
594-2322-592-52716	232259252716	275	350	430	695	5	12	400	55	.29	.26	.22	.20	.16
594-2322-592-53216	232259253216	320	420	510	800	5	15	400	45	.29	.26	.22	.20	.16
594-2381-592-53816	238159253816	385	505	620	1000	5	18	400	40	.29	.26	.22	.20	.16
594-2322-592-54616	232259254616	460	615	750	1200	5	21	400	30	.29	.26	.22	.20	.16
594-2322-593-53006	232259353006	30	38	47	93	2.5	3.6	250	1600	.31	.28	.24	.22	.18
594-2322-593-53506	232259353506	35	45	56	115	2.5	4.4	250	1300	.31	.28	.24	.22	.18
594-2322-593-54006	232259354006	40	56	68	135	2.5	5.2	250	1000	.31	.28	.24	.22	.18
594-2322-593-55006	232259355006	50	65	82	140	10	7	1200	900	.31	.28	.24	.22	.18
594-2322-593-56006	232259356006	60	85	100	165	10	8.3	1200	700	.31	.28	.24	.22	.18
594-2322-593-57506	232259357506	75	100	120	200	10	10	1200	130	.31	.28	.24	.22	.18
594-2322-593-51316	232259351316	130	170	205	340	10	17	1200	320	.31	.28	.24	.22	.18
594-2322-593-51416	232259351416	140	180	220	370	10	21	1200	290	.31	.28	.24	.22	.18
594-2381-593-51516	238159351516	150	200	240	400	10	20	1200	270	.31	.28	.24	.22	.18
594-2322-593-51716	232259351716	175	225	275	455	10	23	1200	230	.31	.28	.24	.22	.18
594-2322-593-52316	232259352316	230	300	360	600	10	30	1200	170	.31	.28	.24	.22	.18
594-2322-593-52516	232259352516	250	320	390	650	10	33	1200	160	.31	.28	.24	.22	.18
594-2381-593-52716	238159352716	275	350	430	710	10	36	1200	140	.31	.28	.24	.22	.18
594-2322-593-53016	232259353016	300	385	470	800	10	40	1200	130	.31	.28	.24	.22	.18
594-2322-593-53216	232259353216	320	420	510	850	10	44	1200	120	.31	.28	.24	.22	.18
594-2322-593-53816	232259353816	385	505	620	1025	10	51	1200	95	.31	.28	.24	.22	.18
594-2322-593-54616	232259354616	460	615	750	1240	10	63	1200	75	.31	.28	.24	.22	.18
594-2322-594-53006	232259453006	30	38	47	93	5	9.2	500	2700	.52	.45	.39	.37	.29
594-2322-594-53506	232259453506	35	45	56	110	5	11	500	2200	.52	.45	.39	.37	.29
594-2322-594-54006	232259454006	40	56	68	130	5	13	500	1800	.52	.45	.39	.37	.29
594-2322-594-55006	232259455006	50	65	82	140	25	12	2500	1500	.52	.45	.39	.37	.29
594-2322-594-56006	232259456006	60	85	100	165	25	15	2500	1200	.52	.45	.39	.37	.29
594-2322-594-57506	232259457506	75	100	120	200	25	18	2500	1000	.52	.45	.39	.37	.29
594-2322-594-51316	232259451316	130	170	205	340	25	30	2500	580	.52	.45	.39	.37	.29
594-2322-594-51416	232259451416	140	180	220	370	25	33	2500	540	.52	.45	.39	.37	.29
594-2322-594-51516	232259451516	150	200	240	400	25	36	2500	490	.52	.45	.39	.37	.29
594-2322-594-51716	232259451716	175	225	275	455	25	41	2500	430	.52	.45	.39	.37	.29
594-2322-594-52316	232259452316	230	300	360	600	25	54	2500	320	.52	.45	.39	.37	.29
594-2322-594-52516	232259452516	250	320	390	650	25	58	2500	300	.52	.45	.39	.37	.29
594-2381-594-52716	238159452716	275	350	430	710	25	63	2500	270	.52	.45	.39	.37	.29
594-2381-594-53016	238159453016	300	385	470	800	25	71	2500	240	.52	.45	.39	.37	.29
594-2322-594-53216	232259453216	320	420	510	850	25	77	2500	220	.52	.45	.39	.37	.29
594-2322-594-53816	232259453816	385	505	620	1025	25	67	2500	180	.52	.45	.39	.37	.29
594-2322-594-54216	232259454216	420	560	680	1120	25	73	2500	165	.52	.45	.39	.37	.29
594-2322-594-54616	232259454616	460	615	750	1240	25	82	2500	150	.52	.45	.39	.37	.29
594-2322-594-55116	232259455116	510	670	820	1355	25	89	2500	135	.52	.45	.39	.37	.29
594-2322-594-55516	232259455516	550	745	910	1500	25	98	2500	120	.52	.45	.39	.37	.29
594-2322-595-53006	232259553006	30	38	47	90	10	12	1000	6000	.67	.58	.50	.48	.38
594-2322-595-53506	232259553506	35	45	56	105	10	14	1000	4800	.67	.58	.50	.48	.38
594-2322-595-54006	232259554006	40	56	68	130	10	17	1000	3800	.67	.58	.50	.48	.38
594-2322-595-55006	232259555006	50	65	82	140	50	21	4500	3100	.67	.58	.50	.48	.38
594-2322-595-51316	232259551316	130	170	205	340	50	56	4500	1050	.67	.58	.50	.48	.38
594-2322-595-51416	232259551416	140	180	220	370	50	57	4500	950	.76	.66	.57	.54	.43
594-2322-595-51516	232259551516	150	200	240	400	50	59	4500	850	.72	.62	.54	.51	.41
594-2322-595-51716	232259551716	175	225	275	455	50	67	4500	750	.67	.58	.50	.48	.38
594-2322-595-52316	232259552316	230	300	360	600	50	88	4500	540	.67	.58	.50	.48	.38
594-2381-595-52516	238159552516	250	320	390	650	50	96	4500	480	.67	.58	.50	.48	.38
594-2381-595-52716	238159552716	275	350	430	710	50	104	4500	440	.67	.58	.50	.48	.38
594-2322-595-53016	232259553016	300	385	470	800	50	117	4500	400	.67	.58	.50	.48	.38
594-2381-595-53216	238159553216	320	420	510	850	50	120	4500	370	.67	.58	.50	.48	.38
594-2322-595-53816	232259553816	385	505	620	1025	50	110	4500	280	.67	.58	.50	.48	.38
594-2322-595-54616	232259554616	460	615	750	1240	50	135	4500	225	.67	.58	.50	.48	.38
594-2322-595-55116	232259555116	510	670	820	1355	50	145	4500	220	.67	.58	.50	.48	.38
594-2322-595-55516	232259555516	550	745	910	1500	50	160	4500	180	.67	.58	.50	.48	.38

BOURNS Gas Discharge Tubes

Reliable Electronic Solutions

1669 SERIES TRANSIENT PROTECTOR

DIMENSIONS: mm (I

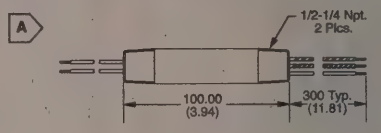
Used for full weather protection of field transmitters and instrumentation operating on 24-28V systems, the 1669 Series protects sensitive I/O circuitry from surges of any polarity or magnitude. Principal use is on 4-20 mA control loops and can be used on grounded (+ or -) or ungrounded circuits. Able to survive and protect even from direct lightning strikes to the transmitter ground or field wiring. Automatic recovery after passage of the surge. Construction is hybrid 3-stage design, using a high surge capacity Balanced Trigard• Gas Tube protector, coordination impedance and silicon suppressors to provide differential and common mode protection with very low clamping levels for delicate loads. The housing is thick walled schedule 40, type 303 stainless steel. Wiring is #20 (.5 mm2) 1000V, PVC insulated. Solid red and black colors are used for the input; striped colors signify the protected output. The protector ground wire (green) is electrically bonded to the metallic housing; it is for connection to the grounding screw within the field device. Intrinsically Safe (IS) and Flame Proof (FP) versions available conforming to EU Atex Directive 94/9/EC IS version II 1 G Certificate No. SIRA99ATEX2154X, EEx ia IIC T4 (P1=1.13W) T5 (P1=0.73W) FP version II 2 G Certificate No. SIRA99ATEX1143X, EEx d IIC T6 Ta=55C Use Model 1669-02/06 for standard ground resistance conditions. Use Model 1669-01 / 05 with higher voltage isolation to ground for sites with high resistance soil conditions or where significant ground potential differences are known to exist.

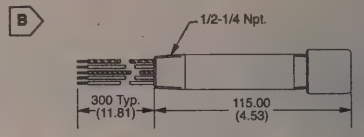
Characteristics:

- Ambient Temperature Range, Storage: -65°C to +130°C
- Operating Temperature: Non-hazardous areas: -40°C to +100°C; Hazardous areas: -20°C to + 55°C
- Maximum Load Current: 150 mA Except when limited for T5 conditions (.73W) 129 mA
- Component Response Time: <1 ns
- Surge Life (L+L)-G: 20 kA 8/20 µs: 20 times; 1 kA 10/1000µs: 1000 times

Features:

- Fits single or dual conduit ports
- Intrinisically Safe (IS) and Flameproof (FP) models available
- Weatherproof
- Long life, high operational reliability
- Stainless steel construction





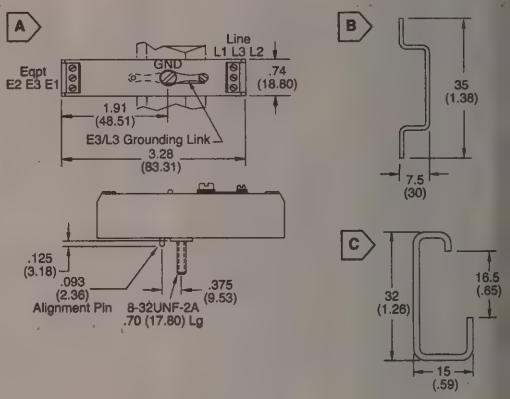
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	DC Clamping Voltage		Capacitance 1MHz Max.		Price Each				
			L-L	L-G	L-L	L-G	1	2	5	10	25
652-1669-01	1669-01	A	36V	250V	1200pF	40pF	117.00	93.60	81.90	74.88	70.20
652-1669-02	1669-02	A	36V	36V	2000pF	2000pF	129.75	103.80	90.83	83.04	77.85
652-1669-06	1669-06	B	36V	36V	2000pF	2000pF	148.75	119.00	104.13	95.20	89.25

1800 SERIES SIGNAL AND DATALINE PROTECTOR

DIMENSIONS: mm (I

Bourns 1800 Series Signal and Dataline Protectors are designed to protect sensitive electronic circuits and components from damaging surge voltages and currents. Their extremely fast response and low clamping voltages make them particularly suitable for the protection of signal and data lines associated with computer, data communication, instrumentation, broadcasting and industrial controls. They may be used directly with EIA standard interfaces RS-232, RS-422, RS-423, RS-485 and with 20mA and 50mA instrumentation loops. Model 1800 Series Signal and Dataline Protectors are fast, rugged and capable of protecting against fast rising voltage transients as well as the severe current surges associated with lightning discharges. Method of Operation: Bourns 1800 Series are heavy-duty, multi-staged protectors. A solid-state section intercepts the leading edge of the surge with subnanosecond response time. Within microseconds a 3-pole common chambered Gas Tube capable of handling 200,000 ampere lightning currents operates and crowbars the surge to ground. The protector remains in the crowbar state until the surge has passed and line voltages return to safe levels, then automatically restores the line to normal operation. There is no need for resetting a breaker or replacing a fuse. Application: Protectors are generally placed at each end of a signal or data line or current loop. In the case of daisy-chain configurations (such as RS-485), protectors are placed at each node. 1820 models provide both line-to-ground and line-to-line protection and are designed to use on differential signals (such as RS-422 or RS-485) and most current loops. 1810 models provide line-to-ground protection for two separate circuits and are designed for use on ground referenced signals (such as RS-232) and 4-20 mA loops where the return wire is grounded at the protector. The 1811 and 1821 models provide the same protection modes for high frequency applications. Related Bourns Protectors: For outdoor applications with 1/2 inch NPT ports (such as field-mounted 4-20mA transmitters), please refer to Bourns 1669 Series Protector. In this application, the mixed use of an 1800 Series Protector at the controller and a 1669 Series Protector at the field is recommended.



Characteristics:

- Surge Life:
  - >100 operations with 200 Amps: 10 x 1000 µsec
  - >10 operations with 10,000 Amps: 8 x 20 µsec
- DC Leakage Current at Rated L/G Voltage: >10 µAmps
- Signal/Data Attenuation at Maximum Data Rate: 3db with 600 Ω termination
- Operating Temperature: -40°C to + 60°C
- Response Time: 50 pico-seconds
- Wire Size: 22-14 AWG

Features:

- Low peak clamping voltage even during severe current surges
- Ability to repeatedly protect against surge currents in excess of 10,000 amperes
- Convenient mounting and grounding to any flat surface or to Din 1 (TS-32) or DIN-3 (TS-35) rail
- Cable shields are passed through and may be either grounded or not grounded at the protector
- Vibration-proof screw-type clamp terminals
- Flame-resistant epoxy-filled housing

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Price Each				
			1	2	5	10	25
652-1810-28-A1	1810-28-A1	A	99.00	79.00	69.00	64.00	60.00
652-1810-28-A3	1810-28-A3	A	99.00	79.00	69.00	64.00	60.00
652-1820-28-A1	1820-28-A1	A	110.50	88.40	77.35	70.72	66.30
652-1820-28-A3	1820-28-A3	A	110.50	88.40	77.35	70.72	66.30

Din Rail for 1800 Series

For quantities of 100 and up, call for quo

MOUSER STOCK NO.	Use with Bourns Part No.	Fig.	Description	Price Each		
				1	10	50
651-5602100	18XX-28-A1	B	35mm x 7.5mm x 1m DIN Rail Perf.	8.91	8.25	6.6
651-1201002-C-1M	18XX-28-A3	C	32mm x 15mm x1m DIN Rail Perf	15.00	13.75	12.5

2027 SERIES - 2-POLE GAS DISCHARGE TUBE

DIMENSIONS: mm (I

Characteristics:

- DC Holdover Voltage 1: 135 V (52 V for Model 2027-09, 80 V for Model 2027-15)/< 150 ms
- Impulse Discharge Current: 25000 A, 8/20 µs 2/1 operation minimum; 10000 A, 8/20 µs/> 10 operations; 500 A, 10/1000 µs/> 400 operations; 100 A, 10/1000 µs or 10/700 µs/> 1000 operations
- Alternating Discharge Current: 65 Arms, 11 cycles 2; 1 operation minimum
- Operating Temperature: -55°C to +250°C

Features:

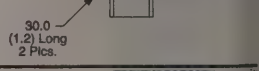
- 8mm diameter, 6mm long
- UL recognized
- Custom configurations available
- High surge current rating
- Stable breakdown throughout life

Applications:

- Telecommunications
- Industrial electronics
- Commercial electronics
- Consumer electronics
- Automotive, aircraft, military electronics

For quantities greater than 1000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	DC Sparkover		Impulse Sparkover		Price Each				
		@ 100V/s	Tolerance (±)	100V/µs	1000V/µs	1	25	50	100	500
652-2027-09-B	2027-09-B	90	20%	300V	500V	2.15	1.89	1.73	1.55	1.40
652-2027-15-B	2027-15-B	150	15%	350V	575V	2.15	1.89	1.73	1.55	1.40
652-2027-35-B	2027-35-B	350	15%	600V	875V	2.15	1.89	1.73	1.55	1.40



SURGE PROTECTOR TEST SET FOR GAS DISCHARGE TUBES

DIMENSIONS: mm (I

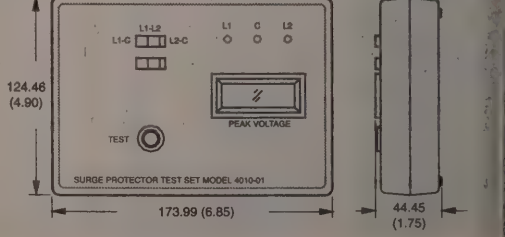
Features:

- Lightweight, hand-held design
- Easy to read LCD display
- Simple operation
- High accuracy peak reading circuit
- Wide 10-1000V Test Range
- Precise auto-sensing shutoff

Applications (Suitable for Testing):

- Gas Tubes
- Carbon Gaps
- MOVs
- Zener and avalanche diodes
- Thyristor devices
- Finished product

MOUSER STOCK NO.	Accessories Included	Price Each
652-4010-01-B	Nylon Case, 48 inch leads with Alligator Clips	722.33



BOURNS Gas Discharge Tubes

BOURNS® Reliable Electronic Solutions

DIMENSIONS mm and (IN)

2035 SERIES PRECISION GAS DISCHARGE TUBE SURGE PROTECTOR

urns now offers a surface mount (SM) 2-electrode GDT surge protection device. The industry-leading quality and features of the Bourns® miniature 35 Series GDT continue in this new SM version. Compatible with "pick and place" assembly systems, the SM is ideal for high-density applications ch as PCBs for telecommunications, commercial and industrial applications.

ecifications :

nsulation Resistance: 100V (50V for 2035-09); >$10^{10}\Omega$
Glow Voltage: 10 mA; -70V
Arc Voltage: >1A; -10V
Glow-Arc Transition Current: <0.5A
Capacitance: 1 MHz; <1 pF
DC Holdover Voltage: >135V, 52V for 2035-09, 80V for 2035-15); <150ms

- Impulse Discharge Current:
  20000A, 8/20μs[2]; 1 operation min.
  5000A, 8/20μs; >10 operations
  100A, 10/1000μs; >300 operations
  100A, 10/700μs; >500 operations
- Alternating Discharge Current:
  20Arms, 11 cycles[2]; 1 operation min.
  5Arms, 1s; >10 operations
- Operating Temperature: -55 to 80°C

Features:

- Leadless, surface mount for economical assembly
- Compact mini-size
- High surge current rating
- Low capacitance and insertion loss
- Stable breakdown throughout life
- UL recognition pending

arkover limits after life ±20% (-25%, +30% for 2035-09, 2035-60, IR>$10^{\circ}\Omega$
letwork applied
ube may exceed ±0% but will continue to protect without venting

For quantities greater than 1000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	DC Sparkover @100V/s	Impulse Sparkover 100V/us	Price Each 1	25	50	100	500
52-2035-09-SM	2035-09-SM	A	90	350	4.06	3.48	3.19	2.90	2.61
52-2035-15-SM	2035-15-SM	A	150	400	4.06	3.48	3.19	2.90	2.61
52-2035-20-SM	2035-20-SM	A	200	425	4.06	3.48	3.19	2.90	2.61
52-2035-23-SM	2035-23-SM	A	230	450	4.06	3.48	3.19	2.90	2.61
52-2035-25-SM	2035-25-SM	A	250	475	4.06	3.48	3.19	2.90	2.61
52-2035-30-SM	2035-30-SM	A	300	525	4.06	3.48	3.19	2.90	2.61
52-2035-35-SM	2035-35-SM	A	350	600	4.06	3.48	3.19	2.90	2.61
52-2035-40-SM	2035-40-SM	A	400	650	4.06	3.48	3.19	2.90	2.61
52-2035-42-SM	2035-42-SM	A	420	675	4.06	3.48	3.19	2.90	2.61
52-2035-47-SM	2035-47-SM	A	470	750	4.06	3.48	3.19	2.90	2.61
52-2035-60-SM	2035-60-SM	A	600	950	4.06	3.48	3.19	2.90	2.61

2035/2037 SERIES MINIATURE 2-POLE GAS DISCHARGE TUBE

ecifications:

ingle Impulse AC Discharge Current (A): 20 Arms
C follow current (Apeak): 5 Arms
mpulse Life (No. of Pulses): 100 A, 10/1000 μs >300 operations
mpulse Life (No. of Pulses): 100 A, 10/700 μs >500 operations

Features:

- 5mm diameter, 4mm long (2035 series)
- 5mm diameter, 5mm long (2037 series)
- UL recognized
- High surge current rating
- Stable breakdown throughout life

Applications:

- Telecommunications
- Industrial electronics
- Commercial electronics
- Consumer electronics
- Automotive, aircraft, military electronics

For quantities greater than 1000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	DC Sparkover ±X% @ 100 V/s	Diameter x Length (mm)	Single Impulse Discharge Current (kA) 8/20 μs	Impulse Breakdown Voltage Volts @ 100 V/μs	Impulse Breakdown Voltage Volts @ 1000 V/μs	DC Holdover Voltage (V)3	Price Each 1	25	50	100	500
52-2035-09-B	2035-09-B	B	90 V ±20%	5 x 4.0	20 kA	300	550	52	3.22	2.72	2.48	2.23	1.98
52-2035-15-B	2035-15-B	B	150 V ±15%	5 x 4.0	20 kA	350	550	80	3.22	2.72	2.48	2.23	1.98
52-2035-35-B	2035-35-B	B	350 V ±15%	5 x 4.0	20 kA	600	750	135	3.22	2.72	2.48	2.23	1.98
52-2037-15-B	2037-15-B	B	150 V ±15%	5 x 4.0	20 kA	350	550	80	3.22	2.72	2.48	2.23	1.98
52-2037-35-B	2037-35-B	B	350 V ±15%	5 x 4.0	20 kA	600	750	135	3.22	2.72	2.48	2.23	1.98

2026 SERIES 3-POLE GAS DISCHARGE TUBE

aracteristics:

ingle Impulse AC Discharge Current (A): 130 Arms
C follow current (Apeak): 20 Arms
mpulse Life (No. of Pulses): 20 kA, 8/20 μs >10 operations
mpulse Life (No. Oof Pulses): 1 kA, 10/1000 μs >400 operations

Features:

- Balanced TRIGARD®
- 8mm diameter, 11mm long
- UL recognized
- Custom configurations available
- High surge current rating
- Stable breakdown throughout life

Applications:

- Telecommunications
- Industrial electronics
- Commercial electronics
- Consumer electronics
- Automotive, aircraft, military electronics

For quantities greater than 1000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	DC Sparkover ±X% @ 100 V/s	Diameter x Length (mm)	Single Impulse Discharge Current (kA) 8/20 μs	Impulse Breakdown Voltage Volts @ 100 V/μs	Impulse Breakdown Voltage Volts @ 1000 V/μs	DC Holdover Voltage (V)3	Price Each 1	25	50	100	500
2-2026-15-C2	2026-15-C2	C	150 V ±20%	8 x11.0	40 kA	350	575	80	3.93	3.53	3.45	3.14	2.83
2-2026-35-C2	2026-35-C2	C	350 V ±20%	8 x11.0	40 kA	625	875	135	3.93	3.53	3.45	3.14	2.83
2-2026-15-C2F	2026-15-C2F	D	150 V ±20%	8 x11.0	40 kA	350	575	80	3.93	3.53	3.45	3.14	2.83
2-2026-35-C2F	2026-35-C2-F	D	350 V ±20%	8 x11.0	40 kA	625	875	135	3.93	3.53	3.45	3.14	2.83

2036 SERIES MINIATURE 3-POLE GAS DISCHARGE TUBE

atures:

mm diameter, 6mm long
L recognized
ustom configurations available
igh surge current rating
table breakdown throughout life

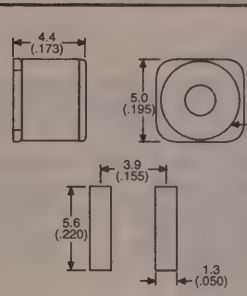
Applications:

- Telecommunications
- Industrial electronics
- Commercial electronics
- Consumer electronics
- Automotive, aircraft, military electronics

For quantities greater than 1000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	DC Sparkover ±X% @ 100 V/s	Diameter x Length (mm)	Single Impulse Discharge Current (kA) 8/20 μs	Impulse Breakdown Voltage Volts @ 100 V/μs	Impulse Breakdown Voltage Volts @ 1000 V/μs	DC Holdover Voltage (V)3	Price Each 1	25	50	100	500
2-2036-09-B	2036-09-B	E	90 V ±20%	5 x 7.5	20 kA	250	550	52	6.12	5.40	5.04	4.68	4.03
2-2036-15-B	2036-15-B	E	150 V ±20%	5 x 7.5	20 kA	350	500	80	6.12	5.40	5.04	4.68	4.03
2-2036-23-B	2036-23-B	E	230 V ±20%	5 x 7.5	20 kA	450	600	135	6.12	5.40	5.04	4.68	4.03
2-2036-35-C2	2036-35-C2	F	350 V ±20%	5 x 8.8	20 kA	600	750	135	6.12	5.40	5.04	4.68	4.03

A



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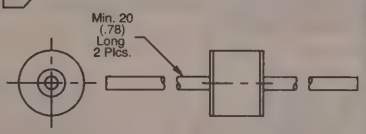

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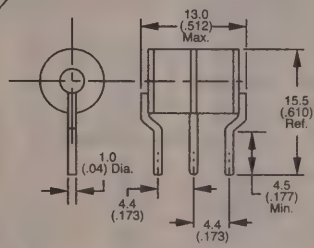

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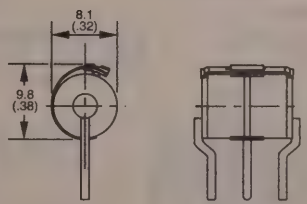

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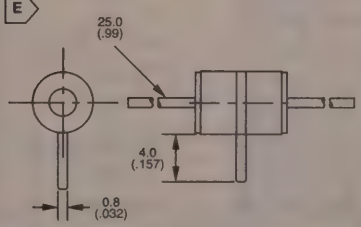

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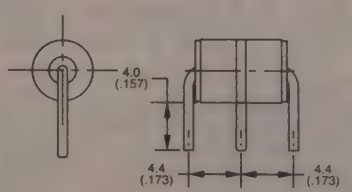


GDT's

Bourns

LITTELFUSE Greentube™ Gas Plasma Arresters

Littelfuse

(High Performance Beta Range)

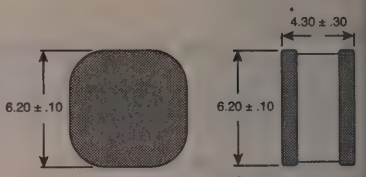
SL1002 SURFACE MOUNT SERIES

Features:
- RoHS compliant
- Ultra Low Insertion Loss
- Surface mountable
- 5KA surge capability tested with 8/20μS pulse as defined by IEC 61000-4-5
- Excellent response to fast rising transients.
- Can be used to meet Telcordia GR1089 without series resistance
- 10/700 6KV capability, as per ITUT k.21, enhanced test level
- 2000 Amp 2/10μS surge rating
- Meets FCC part 68 10/160μs waveform, 200A test and 10/560μs waveform 100A test.

Mechanical Specifications:
- Weight: 0.63g (0.022 oz.)
- Materials: Electrode Base: Nickel Iron Alloy
- Electrode Plating: Bright Sn
- Body: Ceramic
- Device Marking: 'LF' logo, Voltage and date code

Applications:
- Broadband equipment
- ADSL equipment
- XDSL equipment
- Satellite and CATV equipment
- General telecom equipment

2 Electrode GDT Graphical Symbol



For quantities greater than 500, call for quot

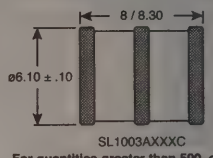
MOUSER STOCK NO.	DC Voltage @ 100V/sec (V)	Max Dynamic Breakover Voltage @ 100V/μs (Vbr)	Max Dynamic Breakover Voltage @ 1kV/μs (Vbr)	Max Repetitive Impulse Discharge Current (kA)	Max Single Impulse Discharge Current (A)	Max Leakage Current (nA)	Max Capacitance (pF)	Holdover Voltage (V)	Nominal On-State Voltage @ 1A	Price Each 1	10	100	250
576-SL1002A090SM	90	360	700	5	2	100	1.2	50	20	.66	.59	.54	.51
576-SL1002A230SM	230	400	500	5	2	100	1.2	135	20	.66	.59	.54	.51
576-SL1002A350SM	350	500	600	5	2	100	1.2	135	20	.66	.59	.54	.51
576-SL1002A600SM	600	800	900	5	2	100	1.2	135	20	.66	.59	.54	.51

SL1003 SERIES

Features:
- RoHS compliant
- Low insertion loss
- Surface mountable
- 5KA surge capability tested with 8/20μS pulse as defined by IEC 61000-4-5
- GHz working frequency
- Excellent response to fast rising transients
- Can be used to meet Telcordia GR1089 without series resistance
- 10/700 6KV capability, as per ITUT k.21, enhanced test level
- 2000 Amp 2/10μS surge rating

Applications:
- Broadband equipment
- ADSL equipment
- XDSL equipment
- Satellite and CATV equipment
- General telecom equipment

3 Electrode GDT Graphical Symbol



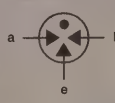
For quantities greater than 500, call for quot

MOUSER STOCK NO.	Type	DC Voltage @ 100V/sec (V)	Max Dynamic Breakover Voltage @ 100V/μs (Vbr)	Max Dynamic Breakover Voltage @ 1kV/μs (Vbr)	Max Repetitive Impulse Discharge Current (kA)	Insulation Resistance (Ω)	Alternating Discharge Current (A)	Max Capacitance (pF)	Holdover Voltage (V)	Nominal On-State Voltage @ 1A (V)	Price Each 1	10	100	250
576-SL1003A090C	Core	90	600	700	5	1x109 @50V	5	1.2	50	20	1.49	1.30	1.18	1.12
576-SL1003A090R	Radial	90	600	700	5	1x109 @50V	5	1.2	50	20	1.49	1.30	1.18	1.12
576-SL1003A090SM	SMD	90	600	700	5	1x109 @50V	5	1.2	50	20	1.49	1.30	1.18	1.12
576-SL1003A230C	Core	230	350	500	5	1x109 @100V	5	1.2	135	20	1.49	1.30	1.18	1.12
576-SL1003A230R	Radial	230	350	500	5	1x109 @100V	5	1.2	135	20	1.49	1.30	1.18	1.12
576-SL1003A230RF	Radial w/Failsafe	230	350	500	5	1x109 @100V	5	1.2	135	20	1.49	1.30	1.18	1.12
576-SL1003A230SM	SMD	230	350	500	5	1x109 @100V	5	1.2	135	20	1.49	1.30	1.18	1.12
576-SL1003A350C	Core	350	500	700	5	1x109 @100V	5	1.2	135	20	1.49	1.30	1.18	1.12
576-SL1003A350R	Radial	350	500	700	5	1x109 @100V	5	1.2	135	20	1.49	1.30	1.18	1.12
576-SL1003A350SM	SMD	350	500	700	5	1x109 @100V	5	1.2	135	20	1.49	1.30	1.18	1.12
576-SL1003A400C	Core	400	550	800	5	1x109 @100V	5	1.2	135	20	1.49	1.30	1.18	1.12
576-SL1003A400R	Radial	400	550	800	5	1x109 @100V	5	1.2	135	20	1.49	1.30	1.18	1.12
576-SL1003A400SM	SMD	400	550	800	5	1x109 @100V	5	1.2	135	20	1.49	1.30	1.18	1.12

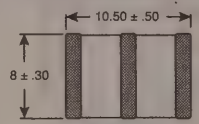
SL1024A SERIES

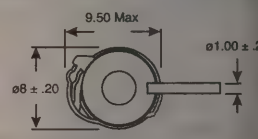
Features:
- RoHS compliant
- Low insertion loss
- Excellent response to fast rising transients.
- Ultra low capacitance.
- 10KA surge capability tested with 8/20μs pulse as defined by IEC 61000-4-5
- Available with thermal failsafe option (add 'F' or 'S' suffix topart number)

Applications:
- Broadband equipment.
- ADSL equipment.
- XDSL equipment.
- Satellite and CATV equipment.
- Splitters
- General telecom equipment.



3 Electrode GDT
a = Tip
b = Ring
e = Ground
(centre electrode)
Graphical Symbol





For quantities greater than 500, call for quo

MOUSER STOCK NO.	Type	DC Voltage (V)	DC Breakover Voltage Min - Max7 @100V/sec (V)	Max Dynamic Breakover Voltage @100/μs (V)	Alternating Discharge Current (A)	Max Repetitive Impulse Discharge Current (kA)	Max Single Impulse Discharge Current (kA)	Max Single Impulse Discharge Current 10/350μs (kA)	Price Each 1	10	100	250
576-SL1024A230C	Core	230	184-276	350	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A230R	Radial	230	184-276	350	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A230RF	Radial w/Failsafe	230	184-276	350	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A250C	Core	250	200-300	400	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A250R	Radial	250	200-300	400	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A250RF	Radial w/Failsafe	250	200-300	400	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A350C	Core	350	280-420	500	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A260R	Radial	350	280-420	500	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A260RF	Radial w/Failsafe	350	280-420	500	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A400C	Core	400	320-480	600	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A400R	Radial	400	320-480	600	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A400RF	Radial w/Failsafe	400	320-480	600	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A500C	Core	500	400-500	700	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A500R	Radial	500	400-500	700	10	10	20	2.5	1.14	1.00	.92	.86
576-SL1024A500RF	Radial w/Failsafe	500	400-500	700	10	10	20	2.5	1.14	1.00	.92	.86

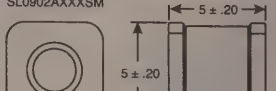
SL0902A SURFACE MOUNT SERIES - BROADBAND OPTIMISED™

Features:
- 2.5KA surge capability tested with 8/20mS pulse as defined by IEC 100-4-5
- Excellent stability on multiple pulse duty cycle.
- Excellent response to fast rising transients.
- Surface mountable
- GHz working frequency.

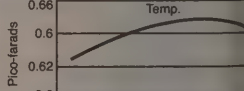
Applications:
- Broadband equipment.
- ADSL equipment, Incl. ADSL2+.
- XDSL equipment.
- Satellite and CATV equipment.
- General telecom equipment.

2 Electrode GDT Graphical Symbol

SL0902AXXXSM



Typical capacitance (pF) measured at bias voltages of 0 to 3



For quantities greater than 500, call for qu

MOUSER STOCK NO.	Holdover Voltage (V)	DC Breakover Voltage @2kV/sec (V)	Max Dynamic Breakover Voltage @100/μs (V)	Max Dynamic Breakover Voltage @1kV/μs (V)	Alternating Discharge Current (A)	Impulse Discharge Current (kA)	Insulation Resistance (Ω)	Max Capacitance (pF)	Price Each 1	10	100	250
576-SL0902A090SM	50	72-108	400	600	2.5	2.5	1000M	1.5	.69	.61	.56	.5
576-SL0902A230SM	135	184-276	400	500	2.5	2.5	1000M	1.5	.69	.61	.56	.5
576-SL0902A350SM	135	270-420	550	650	2.5	2.5	1000M	1.5	.69	.61	.56	.5
576-SL0902A420SM	135	350-504	675	800	2.5	2.5	1000M	1.5	.69	.61	.56	.5

RAYCHEM Gas Discharge Tubes

tyco Electronics

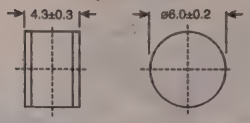
TCx26 Miniature Two Electrode Series

00 Time Impulse Life, at 10/1000μs, 50A
,000MΩ Insulation Resistance
1.0pF Capacitance @ 1MHz

te: GTCNxx = No Leads, GTCAxx = Axial Leads

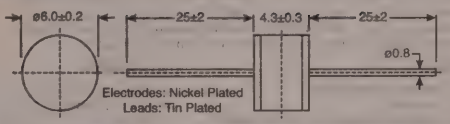
Symbol

Without Leads
Body: Nickel Plated



DIMENSIONS: mm

With Leads



For quantities of 1000 and up, call for quote.

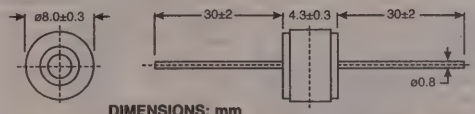
MOUSER STOCK NO.	DC Sparkover Volt. @ 100V/s	Impulse Sparkover Volt. @ 100V/μs	Impulse Sparkover Volt. @ 1kV/μs	DC Holdover Volt. Per ITU K.12	Impulse Discharge Curr. 8/20μs Single	Impulse Discharge Curr. 8/20μs Repeat 10 times (5 times each polarity)	AC Discharge Curr. 50Hz Single. 9 Cycles	AC Discharge Curr. 50Hz Repeat 10 times (1s duration)	Price Each 1	10	100	500
50-GTCN26-231M-P05B	230V ± 20%	500V	700V	135V	10kA	5kA	20A	5A	.53	.47	.43	.39
50-GTCA26-231M-P05	230V ± 20%	500V	700V	135V	10kA	5kA	20A	5A	.60	.52	.48	.44
50-GTCA26-351M-P05	350V ± 20%	600V	800V	135V	10kA	5kA	20A	5A	.60	.52	.48	.44

TCx28-xxxx-P05 Standard Two ectrode Series

00 Time Impulse Life, at 10/1000μs, 100A
10,000MΩ Insulation Resistance
1.0pF Capacitance @ 1MHz

Symbol

With Leads
Electrodes: Nickel Plated
Leads: Tin Plated



DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	DC Sparkover Volt. @ 100V/s	Impulse Sparkover Volt. @ 100V/μs	Impulse Sparkover Volt. @ 1kV/μs	DC Holdover Volt. Per ITU K.12	Impulse Discharge Curr. 8/20μs Single	Impulse Discharge Curr. 8/20μs Repeat 10 times (5 times each polarity)	AC Discharge Curr. 50Hz Single. 9 Cycles	AC Discharge Curr. 50Hz Repeat 10 times (1s duration)	Price Each 1	10	100	500
50-GTCA28-231L-P05	230V ± 15%	600V	750V	135V	10kA	5kA	65A	10A, 5 times	.50	.44	.40	.37
50-GTCA28-351L-P05	350V ± 15%	700V	850V	150V	10kA	5kA	65A	10A, 10 times	.50	.44	.40	.37
50-GTCA28-601L-P05	600V ± 15%	800V	1,000V	150V	10kA	5kA	65A	10A, 10 times	.50	.44	.40	.37

TCx36 Miniature Three Electrode Series

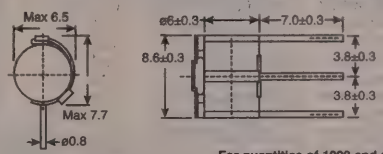
00 Times Impulse life,
t 10/1000μs, 100A
,000MΩ Insulation Resistance
3.0pF Capacitance @ 1MHz

Symbol

DIMENSIONS: mm

With Leads and Fail-Short Mechanism

Body: Nickel Plated
Leads: Tin Plated



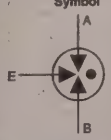
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	DC Sparkover Volt. @ 100V/s	Impulse Sparkover Volt. @ 1kV/μs	DC Holdover Volt. Per ITU K.12	Impulse Discharge Curr. 8/20μs Repeat 10 times (5 times each polarity)	AC Discharge Curr. 50Hz Repeat 5 times (1s interval)	Price Each 1	10	100	500
50-GTCR36351MP05FS	350V ± 20%	750V	150V	5kA	5A	1.33	1.16	1.06	.97

TCx37 Three Electrode 7.5mm Series

00 Time Impulse Life, at 10/1000μs, 400A
,000MΩ Insulation Resistance
1.0pF Capacitance @ 1MHz

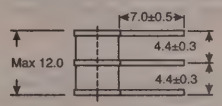
Symbol



With Radial Leads

Body: Nickel Plated
Leads: Tin Plated

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

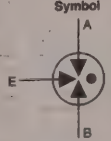
MOUSER STOCK NO.	DC Sparkover Volt. @ 100V/s	Impulse Sparkover Volt. @ 100V/μs	Impulse Sparkover Volt. @ 1kV/μs	DC Holdover Volt. Per ITU K.12	Impulse Discharge Curr. 8/20μs Single	Impulse Discharge Curr. 8/20μs Repeat 10 times (5 times each polarity)	AC Discharge Curr. 50Hz Single. 9 Cycles	AC Discharge Curr. 50Hz Repeat 10 times (1s duration)	Price Each 1	10	100	500
50-GTCR37-900M-P10	90V ± 20%	700V	850V	52V	20kA	10kA	130A	10A	.93	.81	.74	.68
50-GTCR37-551M-P10	550V ± 20%	850V	1,000V	150V	20kA	10kA	130A	10A	.93	.81	.74	.68

TCx38 Three Electrode Series

00 Time Impulse Life, at 10/1000μs, 200A
,000MΩ Insulation Resistance
3.0pF Capacitance @ 1MHz

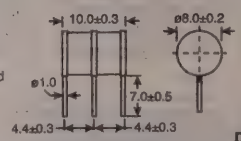
te: GTCRxx = Radial Leads; -FS= Fail Safe

Symbol



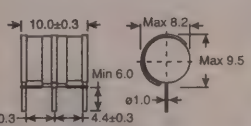
With Leads

Body: Nickel Plated
Leads: Tin Plated



With Leads and Fail-Safe Mechanism

Body: Nickel Plated
Leads: Tin Plated



DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

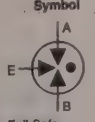
MOUSER STOCK NO.	DC Sparkover Volt. @ 100V/s	Impulse Sparkover Volt. @ 1kV/μs	DC Holdover Volt. Per ITU K.12	Impulse Discharge Curr. 8/20μs Repeat 10 times (5 times each polarity)	AC Discharge Curr. 50Hz Repeat 5 times (1s duration)	Price Each 1	10	100	500
50-GTCR38231MP10FS	184 - 280V	700V	135V	10kA	10A	.97	.84	.77	.70
50-GTCR38-351M-P20	280 - 420V	900V	80V	20kA	20A	.80	.70	.64	.58
50-GTCR38351MP20FS	280 - 420V	900V	80V	20kA	20A	.97	.84	.77	.70

TCx38 Standard Three Electrode Q Series

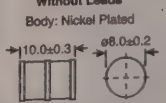
00 Time Impulse Life, at 10/1000μs, 200A
,000MΩ Insulation Resistance
3.0pF Capacitance @ 1MHz

DIMENSIONS: mm

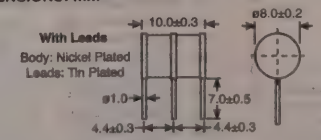
Symbol



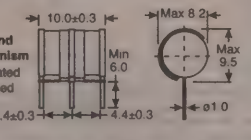
Without Leads
Body: Nickel Plated



With Leads
Body: Nickel Plated
Leads: Tin Plated



With Leads and Fail-Safe Mechanism
Body: Nickel Plated
Leads: Tin Plated



te: GTCNxx - No Leads, GTCRxx - Radial Leads, -FS - Fail Safe

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	DC Sparkover Volt. @ 100V/s	Impulse Sparkover Volt. @ 100V/μs	Impulse Sparkover Volt. @ 1kV/μs	DC Holdover Volt. Per ITU K.12	Impulse Discharge Curr. 8/20μs Repeat 10 times (5 times each polarity)	AC Discharge Curr. 50Hz Repeat 5 times (1s duration)	Price Each 1	10	100	500
50-GTCN38-231M-Q10	184 - 280V	600	700V	135V	10kA	10A	.73	.64	.58	.53
50-GTCR38231MQ10FS	184 - 280V	600	700V	135V	10kA	10A	.97	.84	.77	.70
50-GTCR38-251M-Q10	200 - 300V	600	700V	135V	10kA	10A	.80	.70	.64	.58
50-GTCR38-421M-Q10	300 - 500V	900	1000	135V	10kA	10A	.80	.70	.64	.58

AVX Fuses and Thermistors

ACCU-GUARD® II - SMD THIN-FILM FUSE

Accu-Guard® II is a version of Accu-Guard® fuses for a wider range of current and voltge ratings. Constructed on alumina substrates, Accu-Guard® II fuses display superior electrical, mechanical and environmental properties.

Features:

- Accurate Current Rating
- Fast Acting
- Completely Compatible with all Soldering Systems used for SMT

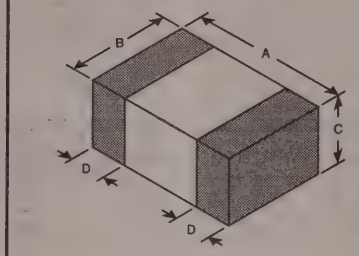
Applications:

- Cellular Telephones
- Two-Way Radios
- Computers
- Battery Chargers
- Rechargeable Battery Packs
- Hard Disk Drives
- PDA's
- LCD Screens
- SCSI Interface
- Digital Cameras
- Video Cameras

Electrical Specifications:

- Operating Temperature: -55°C to +125°C
- Current Carrying Capacity: At -55°C ~ 107% of Rating, At -25°C - 100% of Rating, At +125°C - 80% of Rating
- Interrupting Rating: 50A
- Insulation Resistance: >20MΩ quaranteed (after fusing at rated voltage)

LEAD-FREE



DIMENSIONS: mm (IN)		
Dim.	F0402E	F0603E
A	1.00±0.10 (.039±.004)	1.60±0.10 (.063±.004)
B	0.55±0.07 (.022±.003)	0.81±0.10 (.032±.004)
C	0.40±0.10 (.016±.004)	0.63±0.10 (.025±.004)
D	0.20±0.10 (.008±.004)	0.35±0.15 (.014±.006)

0402

MOUSER STOCK NO.	AVX Part No.	Current Rating A	Resistance 10% x I Rated, 25°C Ω (max)	Voltage Drop @1 x I Rated, 25°C mV (max)	Fusing Current (within 5 sec), 25°C A	Pre-Arc I²t @ 50A A²-sec	Rated Voltage	Price Each 1	50	100	500	1000	Per Reel of 5000 (each)
581-F0402E0R25FSTR	F0402E0R25FSTR	0.25	0.650	220	0.625	0.00005	32	.40	.32	.25	.20	.17	.16
581-F0402E0R50FSTR	F0402E0R50FSTR	0.50	0.250	180	1.25	0.0003	32	.40	.32	.25	.20	.17	.16
581-F0402E0R75FSTR	F0402E0R75FSTR	0.75	0.200	180	1.875	0.003	32	.40	.32	.25	.20	.17	.16
581-F0402E1R00FSTR	F0402E1R00FSTR	1.00	0.130	160	2.50	0.008	32	.40	.32	.25	.20	.17	.16
581-F0402E1R50FSTR	F0402E1R50FSTR	1.50	0.060	140	3.75	0.03	32	.40	.32	.25	.20	.17	.16
581-F0402E2R00FSTR	F0402E2R00FSTR	2.00	0.040	120	5.00	0.06	32	.40	.32	.25	.20	.17	.16

0603

581-F0603E0R25FSTR	F0603E0R25FSTR	0.25	0.650	220	0.625	0.00005	32	.44	.35	.28	.22	.19	.18
581-F0603E0R37FSTR	F0603E0R37FSTR	0.375	0.450	220	0.940	0.0001	32	.44	.35	.28	.22	.19	.18
581-F0603E0R50FSTR	F0603E0R50FSTR	0.50	0.250	180	1.25	0.0003	32	.44	.35	.28	.22	.19	.18
581-F0603E0R75FSTR	F0603E0R75FSTR	0.75	0.200	180	1.875	0.003	32	.44	.35	.28	.22	.19	.18
581-F0603E1R00FSTR	F0603E1R00FSTR	1.00	0.130	160	2.50	0.008	32	.44	.35	.28	.22	.19	.18
581-F0603E1R25FSTR	F0603E1R25FSTR	1.25	0.090	140	3.125	0.01	32	.44	.35	.28	.22	.19	.18
581-F0603E1R50FSTR	F0603E1R50FSTR	1.50	0.060	140	3.75	0.03	32	.44	.35	.28	.22	.19	.18
581-F0603E1R75FSTR	F0603E1R75FSTR	1.75	0.050	120	4.375	0.04	32	.44	.35	.28	.22	.19	.18
581-F0603E2R00FSTR	F0603E2R00FSTR	2.00	0.040	120	5.00	0.06	32	.44	.35	.28	.22	.19	.18
581-F0603E2R50FSTR	F0603E2R50FSTR	2.50	0.035	100	6.25	0.12	32	.44	.35	.28	.22	.19	.18
581-F0603E3R00FSTR	F0603E3R00FSTR	3.00	0.030	100	7.50	0.25	32	.44	.35	.28	.22	.19	.18

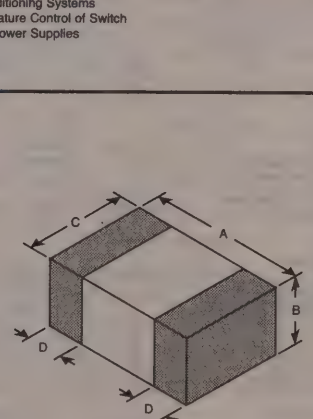
NTC SMD THERMISTORS

Chip thermistors are a high quality and low cost device especially developed for surface mounting applications. They are widely used for temperature compensation but can also achieve temperature control of printed circuits. Its silver - palladium - platinum metallization provides a high degree of resistance to dewetting of the terminations during soldering (typically 260°C / 30s).

Applications:

- LCD Compensation
- Battery Packs
- Mobile Phones
- CD Players
- Heating Systems
- Air-conditioning Systems
- Temperature Control of Switch Mode Power Supplies
- Compensation of Pressure Sensors
- Protection of Power Transistors in Various Electronic Circuits

LEAD-FREE



DIMENSIONS: mm (IN)				
Type	A	B	C	D
NC 12 IEC Size: 08-05	2±0.3 (.079±.012)	1.3±0.5 (.051±.020)	1.25±0.2 (.049±.008)	0.2 (.008) Min.
NC 20 IEC Size: 12-06	3.2±0.4 (.126±.016)	1.5±0.5 (.059±.020)	1.6±0.25 (.063±.010)	0.2 (.008) Min.

0805

- Operating Temp.: -55°C to +150°C
- Maximum Dissipation at 25°C: 0.12W
- Thermal Dissipation Factor: 2 mW/°C
- Thermal Time Constant: 5 se

MOUSER STOCK NO.	AVX Part No.	Rn at 25°C (Ω)	Tolerance	B (K) Δ B/B	Price Each 1	100	500	1000	Per Reel of 4000 (each)
581-NC12KC0220JBA	NC12KC0220JBA	22	5%	3470 (±5%)	.25	.22	.20	.16	.15
581-NC12KC0470JBA	NC12KC0470JBA	47	5%	3470 (±5%)	.22	.20	.17	.14	.13
581-NC12KC0560JBA	NC12KC0560JBA	56	5%	3470 (±5%)	.25	.22	.20	.16	.15
581-NC12KC0680JBA	NC12KC0680JBA	68	5%	3470 (±5%)	.25	.22	.20	.16	.15
581-NC12KC0820JBA	NC12KC0820JBA	82	5%	3470 (±5%)	.25	.22	.20	.16	.15
581-NC12KC0101JBA	NC12KC0101JBA	100	5%	3470 (±5%)	.25	.22	.20	.16	.15
581-NC12MC0121JBA	NC12MC0121JBA	120	5%	3910 (±5%)	.25	.22	.20	.16	.15
581-NC12MC0181KBA	NC12MC0181KBA	180	10%	3910 (±5%)	.22	.20	.17	.14	.13
581-NC12MC0221JBA	NC12MC0221JBA	220	5%	3910 (±5%)	.25	.22	.20	.16	.15
581-NC12MC0331KBA	NC12MC0331KBA	330	10%	3910 (±5%)	.22	.20	.17	.14	.13
581-NC12MC0471JBA	NC12MC0471JBA	470	5%	3910 (±5%)	.25	.22	.20	.16	.15
581-NC12MC0102JBA	NC12MC0102JBA	1K	5%	3910 (±5%)	.25	.22	.20	.16	.15
581-NC12MC0152KBA	NC12MC0152KBA	1.5K	10%	3910 (±5%)	.22	.20	.17	.14	.13
581-NC12MC0222KBA	NC12MC0222KBA	2.2K	10%	3910 (±5%)	.22	.20	.17	.14	.13
581-NC12MC0272JBA	NC12MC0272JBA	2.7K	5%	3910 (±5%)	.25	.22	.20	.16	.15
581-NC12MC0332KBA	NC12MC0332KBA	3.3K	10%	3910 (±5%)	.22	.20	.17	.14	.13
581-NC12M00223KBA	NC12M00223KBA	22K	10%	3950 (±3%)	.22	.20	.17	.14	.13
581-NC12N00473KBA	NC12N00473KBA	47K	10%	4080 (±3%)	.22	.20	.17	.14	.13
581-NC12N00563KBA	NC12N00563KBA	56K	10%	4080 (±3%)	.22	.20	.17	.14	.13

1206

- Operating Temp.: -55°C to +150°C
- Maximum Dissipation at 25°C: 0.24W
- Thermal Dissipation Factor: 4 mW/°C
- Thermal Time Constant: 7 se

MOUSER STOCK NO.	AVX Part No.	Rn at 25°C (Ω)	Tolerance	B (K) Δ B/B	Price Each 1	100	500	1000	Per Reel of 3000 (each)
581-NC20KC0100KBA	NC20KC0100KBA	10	10%	3470 (±5%)	.22	.20	.17	.14	.13
581-NC20KC0220JBA	NC20KC0220JBA	22	5%	3470 (±5%)	.25	.22	.20	.16	.15
581-NC20KC0470KBA	NC20KC0470KBA	47	10%	3470 (±5%)	.22	.20	.17	.14	.13
581-NC20KC0560KBA	NC20KC0560KBA	56	10%	3470 (±5%)	.22	.20	.17	.14	.13
581-NC20KC0101KBA	NC20KC0101KBA	100	10%	3470 (±5%)	.22	.20	.17	.14	.13
581-NC20MC0221KBA	NC20MC0221KBA	220	10%	3910 (±5%)	.22	.20	.17	.14	.13
581-NC20MC0331JBA	NC20MC0331JBA	330	5%	3910 (±5%)	.25	.22	.20	.16	.15
581-NC20MC0561JBA	NC20MC0561JBA	560	5%	3910 (±5%)	.25	.22	.20	.16	.15
581-NC20MC0681KBA	NC20MC0681KBA	680	10%	3910 (±5%)	.22	.20	.17	.14	.13
581-NC20MC0102JBA	NC20MC0102JBA	1K	5%	3910 (±5%)	.14	.12	.11	.09	.08
581-NC20MC0152JBA	NC20MC0152JBA	1.5K	5%	3910 (±5%)	.25	.22	.20	.16	.15
581-NC20I00332KBA	NC20I00332KBA	3.3K	10%	3250 (±5%)	.22	.20	.17	.14	.13
581-NC20J00472KBA	NC20J00472KBA	4.7K	10%	3480 (±5%)	.22	.20	.17	.14	.13
581-NC20J00682JBA	NC20J00682JBA	6.8K	5%	3480 (±5%)	.25	.22	.20	.16	.15
581-NC20K00103JBA	NC20K00103JBA	10K	5%	3630 (±5%)	.25	.22	.20	.16	.15
581-NC20L00223KBA	NC20L00223KBA	22K	10%	3790 (±5%)	.22	.20	.17	.14	.13
581-NC20M00333KBA	NC20M00333KBA	33K	10%	3950 (±3%)	.22	.20	.17	.14	.13
581-NC20N00563KBA	NC20N00563KBA	56K	10%	4080 (±3%)	.22	.20	.17	.14	.13
581-NC20N00823KBA	NC20N00823KBA	82K	10%	4080 (±3%)	.22	.20	.17	.14	.13
581-NC20N00104KBA	NC20N00104KBA	100K	10%	4080 (±3%)	.22	.20	.17	.14	.13
581-NC20Q00474JBA	NC20Q00474JBA	470K	5%	4300 (±3%)	.25	.22	.20	.16	.15
581-NC20R00105JBA	NC20R00105JBA	1M	5%	4400 (±3%)	.25	.22	.20	.16	.15

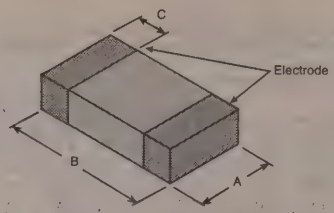
MURATA Lead Free Circuit Protection

muRata
Innovator in Electronics

URATA NTC CHIP THERMISTORS FOR EMPERATURE COMPENSATION

atures :
ead Free
xcellent solderability and high stability in environment
xcellent long time aging stability
igh accuracy in resistance and B-constant
perating Temperature: -40°C to +125°C

LEAD-FREE



For quantities of 1000 and up, call for quote.

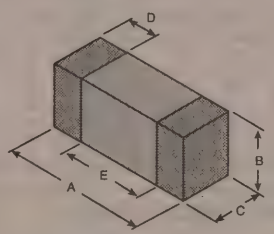
MOUSER STOCK NO.	Murata Part No.	EIA Size	Resistance (Ω)	Tolerance ± @25°C	Electrode	Dimensions (mm)			Price Each			
						A	B	C	1	50	100	500
-NCP03XH103J05RL	NCP03XH103J05RL	0201	10K	5%	Ag System + Ni Plating + Sn Plating	0.30±0.03	0.60±0.03	0.15±0.05	.35	.31	.24	.20
-NCP03WB473J05RL	NCP03WB473J05RL	0201	47K	5%	Ag System + Ni Plating + Sn Plating	0.30±0.03	0.60±0.03	0.15±0.05	.35	.31	.24	.20
-NCP15XM472J03RC	NCP15XM472J03RC	0402	4.7K	5%	Ag Alloy + Ni Plating + Sn Plating	0.5±0.05	1.0±0.05	0.25±0.10	.14	.12	.10	.08
-NCP15XH103J03RC	NCP15XH103J03RC	0402	10K	5%	Ag Alloy + Ni Plating + Sn Plating	0.5±0.05	1.0±0.05	0.25±0.10	.14	.12	.10	.08
-NCP15XV103J03RC	NCP15XV103J03RC	0402	10K	5%	Ag Alloy + Ni Plating + Sn Plating	0.5±0.05	1.0±0.05	0.25±0.10	.16	.14	.11	.09
-NCP15WB473J03RC	NCP15WB473J03RC	0402	47K	5%	Ag Alloy + Ni Plating + Sn Plating	0.5±0.05	1.0±0.05	0.25±0.10	.14	.12	.10	.08
-NCP15WF104J03RC	NCP15WF104J03RC	0402	100K	5%	Ag Alloy + Ni Plating + Sn Plating	0.5±0.05	1.0±0.05	0.25±0.10	.14	.12	.10	.08
-NCP21XV103K03RA	NCP21XV103K03RA	0508	10K	10%	Ag Alloy + Ni Plating + Sn Plating	1.25±0.2	2.0±0.2	0.2 to 0.7	.21	.18	.14	.12
-NCP18XM472J03RB	NCP18XM472J03RB	0603	4.7K	5%	Ag Alloy + Ni Plating + Sn Plating	0.8±0.15	1.6±0.15	0.2 to 0.6	.16	.14	.11	.09
-NCP18XH103J03RB	NCP18XH103J03RB	0603	10K	5%	Ag Alloy + Ni Plating + Sn Plating	0.8±0.15	1.6±0.15	0.2 to 0.6	.16	.14	.11	.09
-NCP18XV103J03RB	NCP18XV103J03RB	0603	10K	5%	Ag Alloy + Ni Plating + Sn Plating	0.8±0.15	1.6±0.15	0.2 to 0.6	.18	.16	.12	.10
-NCP18WB473J03RB	NCP18WB473J03RB	0603	47K	5%	Ag Alloy + Ni Plating + Sn Plating	0.8±0.15	1.6±0.15	0.2 to 0.6	.16	.14	.11	.09
-NCP18WF104J03RB	NCP18WF104J03RB	0603	100K	5%	Ag Alloy + Ni Plating + Sn Plating	0.8±0.15	1.6±0.15	0.2 to 0.6	.16	.14	.11	.09
-NCP18WM474K03RB	NCP18WM474K03RB	0603	470	10%	Ag Alloy + Ni Plating + Sn Plating	0.8±0.15	1.6±0.15	0.2 to 0.6	.17	.16	.12	.10
-NCP18XW153J03RB	NCP18XW153J03RB	0603	15K	5%	Ag Alloy + Ni Plating + Sn Plating	0.8±0.15	1.6±0.15	0.2 to 0.6	.18	.16	.12	.10
-NCP21XM472J03RA	NCP21XM472J03RA	0805	4.7K	5%	Ag Alloy + Ni Plating + Sn Plating	1.25±0.2	2.0±0.2	0.2 to 0.7	.22	.19	.15	.12
-NCP21XV103J03RA	NCP21XV103J03RA	0805	10K	5%	Ag Alloy + Ni Plating + Sn Plating	1.25±0.2	2.0±0.2	0.2 to 0.7	.22	.19	.15	.12
-NCP21WB473J03RA	NCP21WB473J03RA	0805	47K	5%	Ag Alloy + Ni Plating + Sn Plating	1.25±0.2	2.0±0.2	0.2 to 0.7	.22	.19	.15	.12
-NCP21WF104J03RA	NCP21WF104J03RA	0805	100K	5%	Ag Alloy + Ni Plating + Sn Plating	1.25±0.2	2.0±0.2	0.2 to 0.7	.22	.19	.15	.12

URATA POSISTOR® PTC CHIP THERMISTORS RCUIT PROTECTION FOR OVERCURRENT PROTECTION

rcurrent protection device with resettable function suitable for current limiting resistor.
product is chip type PTC thermistor for overcurrent protection. Suitable for
nformeasure for short circuit testing in protable equipment and current limiting resistor.

atures :
apid operation to protect the circuit in an overcurrent condition abnormality such
s a short circuit. By removing the overcurrent condition, these products automatically
turn to the initial condition and can be used repeatedly.
table resistance after operation due to ceramic PTC.
603 SMD type for reflow soldering
ead is not contained in the terminations
perating temperature: -10°C to +60°C

LEAD-FREE



For quantities of 1000 and up, call for quote.

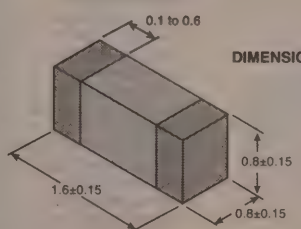
MOUSER STOCK NO.	Murata Part No.	EIA Size	Max. Voltage	Non-operating Current @ 60°C (mA)	Operating Current @ 10°C (mA)	Max. Current (mA)	Resistance (@ 25°C) (Ω)	Dimensions (mm)					Price Each			
								A	B	C	D	E	1	50	100	500
-PRG18BB330MB1RB	PRG18BB330MB1RB	0603	24V	25	85	900	33 ± 20%	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	----	.35	.32	.25	.20
-PRG18BB470MB1RB	PRG18BB470MB1RB	0603	24V	20	75	630	47 ± 20%	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	----	.35	.32	.25	.20
-PRG18BB101MB1RB	PRG18BB101MB1RB	0603	24V	15	55	300	100 ± 20%	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	----	.35	.32	.25	.20
-PRG18BB221MB1RB	PRG18BB221MB1RB	0603	24V	10	35	130	220 ± 20%	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	----	.35	.32	.25	.20
-PRG18BB471MB1RB	PRG18BB471MB1RB	0603	24V	7	25	60	470 ± 20%	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	----	.35	.32	.25	.20
-PRG21BC0R2MM1RA	PRG21BC0R2MM1RA	0805	6V	500	2000	1000	0.2 ± 20%	2.0±0.2	1.25±0.2	0.9±0.2	0.2 min.	0.5 min.	.96	.88	.69	.55
-PRG21BB150MB1RK	PRG21BB150MB1RK	0805	20V	40	140	1600	15 ± 20%	2.0±0.2	1.25±0.2	0.9±0.2	0.2 min.	0.5 min.	.58	.53	.41	.33
-PRG21BB220MB1RK	PRG21BB220MB1RK	0805	20V	30	110	1100	22 ± 20%	2.0±0.2	1.25±0.2	0.9±0.2	0.2 min.	0.5 min.	.58	.53	.41	.33

URATA POSISTOR® PTC CHIP THERMISTORS RCUIT PROTECTION FOR OVERHEAT SENSING

chip PTC Thermistor is reflow soldering SMD type for overheat sensing for power
sistors, power diodes and power ICs in hybrid circuits.

atures :
xcellent thermal response because of no coating.
olid-state construction provides excellent mechanical vibration and impact resistance.
ontactless operation provides prolonged service life and noiseless operation.
ead is not contained in the terminations
2V Maximum Voltage

LEAD-FREE



For quantities of 1000 and up, call for quote.

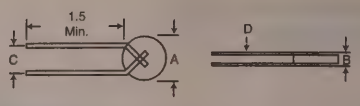
MOUSER STOCK NO.	Murata Part No.	EIA Size	Sensing Temp. (@ 4.7k Ω) (°C)	Resistance (@ 25°C) (Ω)	Operating Temperature Range	Price Each			
						1	50	100	500
-PRF18BG471QB1RB	PRF18BG471QB1RB	0603	65 ± 5	470 ± 50%	-20°C to +80°C	.41	.37	.29	.23
-PRF18BF471QB1RB	PRF18BF471QB1RB	0603	75 ± 5	470 ± 50%	-20°C to +90°C	.41	.37	.29	.23
-PRF18BE471QB1RB	PRF18BE471QB1RB	0603	85 ± 5	470 ± 50%	-20°C to +100°C	.41	.37	.29	.23
-PRF18BD471QB1RB	PRF18BD471QB1RB	0603	95 ± 5	470 ± 50%	-20°C to +110°C	.41	.37	.29	.23
-PRF18BC471QB1RB	PRF18BC471QB1RB	0603	105 ± 5	470 ± 50%	-20°C to +120°C	.41	.37	.29	.23
-PRF18BB471QB1RB	PRF18BB471QB1RB	0603	115 ± 5	470 ± 50%	-20°C to +130°C	.41	.37	.29	.23
-PRF18BA471QB1RB	PRF18BA471QB1RB	0603	125 ± 5	470 ± 50%	-20°C to +140°C	.41	.37	.29	.23
-PRF18AR471QB1RB	PRF18AR471QB1RB	0603	135 ± 5	470 ± 50%	-20°C to +150°C	.41	.37	.29	.23
-PRF18AS471QB1RB	PRF18AS471QB1RB	0603	145 ± 5	470 ± 50%	-20°C to +160°C	.41	.37	.29	.23

THERMOMETRICS Thermistors and Sensors

NTC THERMISTORS

NTC (Negative Temperature Coefficient) thermistors decrease in resistance as temperature increases. The maximum operating temperature is 150°C. Zero-power resistance values at 25°C range from 10Ω to 250KΩ; other values available upon request.

*Resistance tolerance is ±10%, except where denoted by an asterisk which is ±20%



DIMENSIONS (IN.)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	GE Part Number	Ohms (Ω)	A (In.)	B (In.)	C (In.)	D (AWG)	Price Each 1	Price Each 10
*527-1004-100	RL1004-65.6-59-D1	100	.110	.120	.100	26	1.01	.88
527-1003-500	RL1003-312-73-D1	500	.110	.110	.100	26	.99	.86
527-1007-1K	RL1007-624-73-D1	1K	.110	.150	.100	26	.99	.86
527-1003-2K	RL1003-1157-95-D1	2K	.110	.110	.100	26	.99	.86
527-1003-3K	RL1003-1746-97-D1	3K	.110	.110	.100	26	.99	.86
527-1004-5K	RL1004-2910-97-D1	5K	.110	.120	.100	26	.99	.86
527-1009-10K	RL1009-5820-97-D1	10K	.110	.170	.100	26	.99	.86
527-1005-10K	RL1005-5744-103-D1	10K	.110	.130	.100	26	1.47	1.31
527-1007-25K	RL1007-13.8K-120-D1	25K	.110	.150	.100	26	1.07	.93
527-1003-50K	RL1003-26.7K-140-D1	50K	.110	.110	.100	26	1.07	.93
527-1006-100K	RL1006-53.4K-140-D1	100K	.110	.140	.100	26	1.07	.93
527-1004-200K	RL1004-104.7K155-D1	200K	.110	.120	.100	26	1.07	.93
527-1006-250K	RL1006-135.2K-138-D1	250K	.110	.140	.100	26	1.07	.93
*527-2004-25	RL2004-16.4-59-D1	25	.220	.130	.156	24	.74	.65
*527-2007-50	RL2007-32.8-59-D1	50	.220	.160	.156	24	.74	.65
527-2003-100	RL2003-62.4-73-D1	100	.220	.120	.156	24	.72	.63

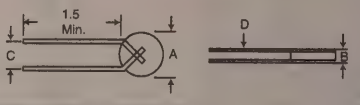
For quantities of 100 and up, call for q

MOUSER STOCK NO.	GE Part Number	Ohms (Ω)	A (In.)	B (In.)	C (In.)	D (AWG)	Price Eac 1	1
527-2006-200	RL2006-125-73-D1	200	.220	.150	.156	24	.72	.6
527-2003-500	RL2003-289-95-D1	500	.220	.120	.156	24	.72	.6
527-2004-1K	RL2004-582-97-D1	1K	.220	.130	.156	24	1.07	.9
527-2007-2K	RL2007-1164-97-D1	2K	.220	.160	.156	24	.72	.6
527-2006-2786	RL2006-1600-103-D1	2.786K	.220	.150	.156	24	.72	.6
527-2005-4K	RL2005-2203-120-D1	4K	.220	.140	.156	24	.82	.7
527-2006-5K	RL2006-2753-120-D1	5K	.220	.150	.156	24	.82	.7
527-2006-25K	RL2006-13.3K-140-D1	25K	.220	.150	.156	24	.82	.7
527-2008-100K	RL2008-52.3K-155-D1	100K	.220	.170	.156	24	.82	.7
*527-3004-10	RL3004-6.56-59-D1	10	.320	.130	.250	24	.76	.6
527-3504-50	RL3504-31.2-73-D1	50	.370	.130	.250	24	.75	.6
527-3006-100	RL3006-59.4-85-D1	100	.320	.150	.250	24	.75	.6
527-3004-250	RL3004-144-95-D1	250	.320	.130	.250	24	.75	.6
527-3004-500	RL3004-291-97-D1	500	.320	.130	.250	24	.75	.6
527-3005-1K	RL3005-574-103-D1	1K	.320	.140	.250	24	.75	.6
527-3005-13.1K	RL3005-13.1K-155-D1	13.1K	.320	.050	.250	24	.86	.7

INRUSH CURRENT LIMITERS

Limiters protect against extremely high peak inrush current, especially in AC/DC switching power supplies. These NTC thermistors effectively control surge currents because the thermal time constant of the current limiter is longer than the electrical time constant (RC) of the thermistor and the capacitor.

Also available, by special order, with kinked leads.



DIMENSIONS (IN.)

For quantities of 250 and up, call for quote.

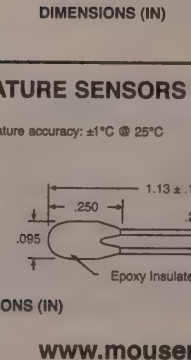
MOUSER STOCK NO.	GE Part Number	Ohms (Ω)	Amps	A Max. (In.)	B Max. (In.)	C Ref. (In.)	D (AWG)	Price Each 1	Price Each 10	Price Each 100
527-CL30	CL30	2.5	8	.77	.22	.328	18	1.39	1.24	.86
527-CL40	CL40	5	6	.77	.22	.328	18	1.39	1.24	.86
527-CL50	CL50	7	5	.77	.26	.328	18	1.39	1.24	.86
527-CL60	CL60	10	5	.77	.22	.328	18	1.39	1.24	.86
527-CL70	CL70	16	4	.77	.22	.328	18	1.39	1.24	.86
527-CL80	CL80	47	3	.77	.22	.328	18	1.39	1.24	.86
527-CL90	CL90	120	2	.93	.22	.328	18	1.72	1.54	1.06

For quantities of 250 and up, call for qu

MOUSER STOCK NO.	GE Part Number	Ohms (Ω)	Amps	A Max. (In.)	B Max. (In.)	C Ref. (In.)	D (AWG)	Price Each 1	Price Each 10	1
527-CL110	CL110	10	3.2	.40	.17	.250	24	1.22	1.09	
527-CL120	CL120	10	1.7	.40	.17	.250	24	1.22	1.09	
527-CL130	CL130	50	1.6	.45	.17	.250	24	1.22	1.09	
527-CL140	CL140	50	1.1	.45	.17	.250	24	1.22	1.09	
527-CL150	CL150	5	4.7	.55	.18	.328	22	1.25	1.12	
527-CL160	CL160	5	2.8	.55	.18	.328	22	.84	.73	
527-CL170	CL170	16	2.7	.55	.18	.328	22	.84	.73	
527-CL180	CL180	16	1.7	.55	.18	.328	22	.84	.73	
527-CL190	CL190	25	2.4	.55	.18	.328	22	1.25	1.12	
527-CL200	CL200	25	1.7	.55	.18	.328	22	1.61	1.44	
527-CL210	CL210	30	1.5	.40	.20	.250	24	.82	.72	

PTC THERMISTORS/ RESETTABLE FUSES

The values for dissipation constant and time constant listed in the table below are reference values. Actual values are a function of mounting, air flow and other factors which affect the PTC's (Positive Temperature Coefficient) ability to dissipate heat. Standard PTC's are supplied uninsulated, but can be supplied with an insulation upon request.



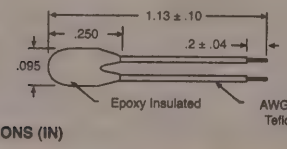
DIMENSIONS (IN)

For quantities of 250 and up, call for qu

MOUSER STOCK NO.	GE Part Number	Operating Voltage	Ohms (Ω) @ 25°C ±30%	Dissipation Constant mW/°C	Transition Temp. °C T_S	A (In.)	B (In.)	C (In.)	D (AWG)	Price Each 1	Price Each 10	1
527-5305-12V1	RL5305-1-120-12-PTO	12	1	14	120	.60	.15	.33	20	1.02	.89	
527-5305-12V2	RL5305-2-120-12-PTO	12	2	14	120	.60	.16	.33	20	1.02	.89	
527-3005-12V10	RL3005-10-110-12-PTO	12	10	7	110	.35	.15	.25	24	.81	.71	
527-3005-12V25	RL3005-25-110-12-PTO	12	25	7	110	.35	.15	.25	24	.81	.71	
527-3006-25V50/50C	RL3006-50-50-25-PTO	25	50	7	50	.35	.15	.25	24	.81	.71	
527-3006-25V50/60C	RL3006-50-60-25-PTO	25	50	7	60	.35	.15	.25	24	.81	.71	
527-3006-25V50/70C	RL3006-50-70-25-PTO	25	50	7	70	.35	.15	.25	24	.81	.71	
527-3006-25V50/80C	RL3006-50-80-25-PTO	25	50	7	80	.35	.15	.25	24	.81	.71	
527-3006-25V50/90C	RL3006-50-90-25-PTO	25	50	7	90	.35	.15	.25	24	.81	.71	
527-3006-25V50/110C	RL3006-50-110-25-PTO	25	50	7	110	.35	.15	.25	24	.81	.71	
527-3006-25V50/120C	RL3006-50-120-25-PTO	25	50	7	120	.35	.15	.25	24	.81	.71	
527-5506-50V5	RL5506-5-65-50-PTO	50	5	14	65	.60	.18	.33	20	1.02	.89	
527-4006-50V10	RL4006-10-110-50-PTO	50	10	10	110	.45	.17	.25	24	1.15	1.00	
527-3312-50V200	RL3312-200-110-50-PTO	50	200	9	110	.40	.23	.25	20	1.15	1.00	
527-7510-120V10	RL7510-10-120-120-PTO	120	10	20	120	.80	.23	.33	18	1.41	1.23	
527-6010-120V20	RL6010-20-120-120-PTO	120	20	18	120	.65	.23	.33	20	1.05	.92	
527-5510-120V25	RL5510-25-60-120-PTO	120	25	15	60	.60	.22	.33	20	1.05	.92	
527-4510-120V50	RL4510-50-120-120-PTO	120	50	12	120	.50	.20	.33	22	1.02	.89	
527-63-240V40/110C	RL6315-40-110-240-PTO	240	40	18	110	.65	.27	.33	18	1.15	1.00	
527-55-240V50/65C	RL5515-50-65-240-PTO	240	50	17	65	.60	.27	.33	20	1.15	1.00	
527-60-240V100/120C	RL6015-100-120-240-PTO	240	100	18	120	.65	.27	.33	20	1.15	1.00	
527-3020-240V1.5K	RL3020-1500-100-240-PTO	240	1.5K	12	100	.35	.31	.25	20	1.15	1.00	
527-7020-480V1K	RL7020-1K-100-480-PTO	480	1K	18	100	.75	.32	.33	18	1.41	1.23	
527-5020-480V2K	RL5020-2K-100-480-PTO	480	2K	15	100	.55	.32	.33	18	1.02	.89	
527-3020-480V5K	RL3020-5K-100-480-PTO	480	5K	12	100	.35	.31	.25	20	1.15	1.00	

MINIATURE SENSORS 1°C ACCURACY

- Temperature accuracy: ±1°C @ 25°C
- Dissipation constant: 1.4mW/°C
- Time constant: 15 sec.
- Operating range: -50°C to +150°C



DIMENSIONS (IN)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	GE Type (RL0503)	Material	Price Each 1	Price Each 10	Price Each 100
527-0503-2K	1248-73-MS	MS73	1.75	1.57	1.73
527-0503-5K	2890-95-MS	MS95	1.75	1.57	1.73
527-0503-10K	5820-97-MS	MS97	1.75	1.57	1.73

For quantities of 250 and up, call for qu

MOUSER STOCK NO.	GE Type (RL0503)	Material	Price Each 1	Price Each 10	1
527-0503-30K	17.56K-96-MS	MS96	1.75	1.57	1.7
527-0503-50K	27.53K-120-MS	MS120	1.18	1.03	1.7
527-0503-100K	55.36K-122-MS	MS122	1.75	1.57	1.7

MOUSER ELECTRONICS a ttl company

SHAY / BEYSCHLAG FUSES

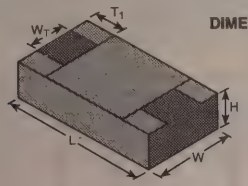
in Film Flat Chip Fuses

U 0603 and MFU 0805 Thin Film Flat Chip Fuses are the perfect choice for most fields nodern electronics. The highly controlled thin film manufacturing process guarantees outstanding stability of fusing characteristics.

Features :
- Advanced thin film technology
- Very quick acting fuse characteristics
- Outstanding stability of fusing characteristics
- Standard metric SMD sizes
- Green product, supports lead (Pb)-free soldering

Applications :
- Information technology
- Telecommunication
- Medical equipment
- Audio/video electronics

DIMENSIONS IN (mm)



Type	H	L	W	W_T	T_1
MFU 0603	.45+.1/.05	1.55±.05	.85±.1	>75% of W	.3+.15/-.2
MFU 0805	.45+.1/.05	2.0±.1	1.25±.15	>75% of W	.4+.1/-.2

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Size	Rated Current	Rated Voltage	Price Each 1	100	500	5000
594-MFU0603-FF-0.5	MFU-0603-FF-P5-0A5	0603	0.5A	32V	.59	.45	.40	.31
594-MFU0603-FF-1.0	MFU-0603-FF-P5-1A0	0603	1.0A	32V	.57	.43	.39	.28
594-MFU0603-FF-1.6	MFU-0603-FF-P5-1A6	0603	1.6A	32V	.57	.43	.39	.28
594-MFU0603-FF-2.0	MFU-0603-FF-P5-2A0	0603	2.0A	32V	.57	.43	.39	.28
594-MFU0603-FF-3.15	MFU-0603-FF-P5-3A15	0603	3.15A	32V	.57	.43	.39	.28
594-MFU0603-FF-4.0	MFU-0603-FF-P5-4A0	0603	4.0A	32V	.57	.43	.39	.28
594-MFU0805-FF-0.5	MFU-0805-FF-P5-0A5	0805	0.5A	50V	.88	.81	.76	.65
594-MFU0805-FF-1.0	MFU-0805-FF-P5-1A0	0805	1.0A	50V	.66	.62	.57	.48
594-MFU0805-FF-1.6	MFU-0805-FF-P5-1A6	0805	1.6A	50V	.66	.62	.57	.48
594-MFU0805-FF-2.0	MFU-0805-FF-P5-2A0	0805	2.0A	50V	.66	.62	.57	.48
594-MFU0805-FF-3.15	MFU-0805-FF-P5-3A15	0805	3.15A	50V	.66	.62	.57	.48
594-MFU0805-FF-4.0	MFU-0805-FF-P5-4A0	0805	4.0A	50V	.66	.62	.57	.48

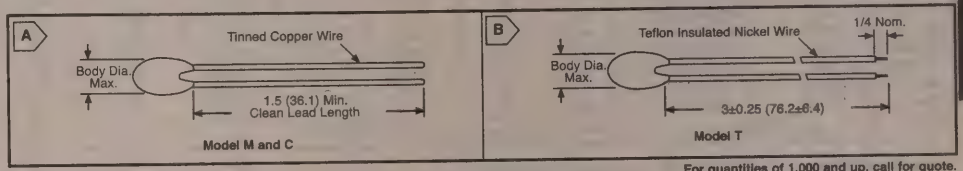
ISHAY / DALE NTC THERMISTORS

DIMENSIONS IN (mm)

, C, T Series NTC Coated Thermistors

odels M, C, and T are conformally coated, leaded thermistors for andard PC board mounting or assembly probes. The coating is ked-on phenolic for durability and long-term stability. Models M d C have tinned solid copper leads.

atures :
Small size • Wide resistance range
Model T has solid nickel wires with Teflon® insulation to provide isolation when assembled in metal probes or housings.



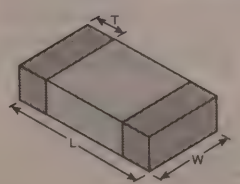
For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	Resistance (Ω)	Tolerance ± @ 25°C	Curve Number	Lead Type	Wire Size	Price Each 1	10	100	500
71-02C0500JP	02C0500JP	A	50	5%	2	C	AWG 28	1.68	1.47	1.05	.84
71-02C1000JP	02C1000JP	A	100	5%	2	C	AWG 28	1.68	1.47	1.05	.84
71-02C1500JP	02C1500JP	A	150	5%	2	C	AWG 28	1.68	1.47	1.05	.84
71-02C2000JP	02C2000JP	A	200	5%	2	C	AWG 28	1.68	1.47	1.05	.84
71-02C5000FP	02C5000FP	A	500	1%	2	C	AWG 28	1.84	1.61	1.15	.92
71-02C5000JP	02C5000JP	A	500	5%	2	C	AWG 28	1.68	1.47	1.05	.84
71-01C1001JP	01C1001JP	A	1K	5%	1	C	AWG 28	1.68	1.47	1.05	.84
71-02C1001JP	02C1001JP	A	1K	5%	2	C	AWG 28	1.68	1.47	1.05	.84
71-01C2001JP	01C2001JP	A	2K	5%	1	C	AWG 28	1.68	1.47	1.05	.84
71-02C2001JP	02C2001JP	A	2K	5%	2	C	AWG 28	1.64	1.44	1.03	.82
71-01C3001FP	01C3001FP	A	3K	1%	1	C	AWG 28	1.84	1.61	1.15	.92
71-01C3001JP	01C3001JP	A	3K	5%	1	C	AWG 28	1.64	1.44	1.03	.82
71-01C5001JP	01C5001JP	A	5K	5%	1	C	AWG 28	1.64	1.44	1.03	.82
71-01C1002FP	01C1002FP	A	10K	1%	1	C	AWG 28	1.84	1.61	1.15	.92
71-01C1002JP	01C1002JP	A	10K	5%	1	C	AWG 28	1.64	1.44	1.03	.82
71-08C1002JP	08C1002JP	A	10K	5%	8	C	AWG 28	1.64	1.44	1.03	.82
71-07C5002JP	07C5002JP	A	50K	5%	7	C	AWG 28	1.64	1.44	1.03	.82
71-07C1003FP	07C1003FP	A	100K	1%	7	C	AWG 28	1.84	1.61	1.15	.92
71-01M1001JP	01M1001JP	A	1K	5%	1	M	AWG 30	1.68	1.47	1.05	.84
71-01M5001JP	01M5001JP	A	5K	5%	1	M	AWG 30	1.68	1.47	1.05	.84
71-09M1002FP	09M1002FP	A	10K	1%	9	M	AWG 30	1.84	1.61	1.15	.92
71-01M1002FP	01M1002FP	A	10K	1%	1	M	AWG 30	1.84	1.61	1.15	.92
71-08M3002JP	08M3002JP	A	30K	5%	8	M	AWG 30	1.68	1.47	1.05	.84
71-08M5002JP	08M5002JP	A	50K	5%	8	M	AWG 30	1.68	1.47	1.05	.84
71-07M1003JP	07M1003JP	A	100K	5%	7	M	AWG 30	1.68	1.47	1.05	.84
71-08M1003JP	08M1003JP	A	100K	5%	8	M	AWG 30	1.68	1.47	1.05	.84
71-01T1001FP	01T1001FP	B	1K	1%	1	T	AWG 30	3.20	2.80	2.00	1.60
71-01T1002FP	01T1002FP	B	10K	1%	1	T	AWG 30	3.20	2.80	2.00	1.60
71-01T5001JP	01T5001JP	B	5K	5%	1	T	AWG 30	2.92	2.56	1.83	1.46
71-01T1002JP	01T1002JP	B	10K	5%	1	T	AWG 30	2.92	2.56	1.83	1.46
71-04T1003FP	04T1003FP	B	100K	1%	4	T	AWG 30	3.20	2.80	2.00	1.60

/ISHAY / DALE NTHS SERIES NTC SURFACE MOUNT CHIP THERMISTORS

DIMENSIONS IN (mm)

eatures :
Solderable terminations
Wraparound terminations
Allows design flexibility for use with hybrid circuitry
High density monolithic construction
Standard EIA E6 values
Fully glass coated



For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Resistance (Ω)	Tolerance ± @ 25°C	Curve Number	Price Each 1	10	100	500
71-NTHS0402N02N1002J	NTHS0402N021002JR	10K	5%	2	1.25	1.00	.75	.63
71-NTHS0603N02N1002J	NTHS0603N02N1002J	10K	5%	2	1.00	.88	.63	.50
71-NTHS0603N01N1003J	NTHS0603N01N1003J	100K	5%	1	1.16	1.02	.73	.58
71-NTHS0805N02N1002J	NTHS0805N02N1002J	10K	5%	2	1.16	1.02	.73	.58
71-NTHS0805N17N1003K	NTHS0805N17N1003K	100k	10%	17	1.12	.98	.70	.56
71-NTHS1205N01N1003J	NTHS1205N01N1003J	100K	5%	1	1.36	1.19	.85	.68
71-NTHS1206N01N1002J	NTHS1206N01N1002J	10K	5%	1	1.36	1.19	.85	.68
71-NTHS1206N02N1002K	NTHS1206N02N1002K	10K	10%	2	1.28	1.12	.80	.64
71-NTHS1206N01N4702J	NTHS1206N01N4702J	47K	5%	1	1.36	1.19	.85	.68
71-NTHS1206N01N5002J	NTHS1206N01N5002J	50K	5%	1	1.36	1.19	.85	.68
71-NTHS1206N02N1002J	NTHS1206N02N1002J	10K	5%	2	1.36	1.19	.85	.68
71-NTHS1206N02N5001J	NTHS1206N02N5001J	5K	5%	2	1.36	1.19	.85	.68
71-NTHS1206N03N1001J	NTHS1206N03N1001J	1K	5%	3	1.36	1.19	.85	.68
71-NTHS1012N01N1002J	NTHS1012N01N1002J	10K	5%	1	1.56	1.37	.98	.78
71-NTHS1012N04N1003J	NTHS1012N04N1003J	100k	5%	4	1.56	1.37	.98	.78

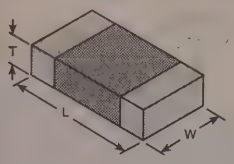
Part Number	L	W	T
NTHS-0402	0.040 ± 0.004 [1.016 ± 0.102]	0.22 ± 0.006 [0.508 ± 0.051]	0.010 ± 0.004 [0.25 ± 0.102]
NTHS-0603	0.063 ± 0.008 [1.6 ± 0.20]	0.031 ± 0.008 [0.80 ± 0.20]	0.010 ± 0.006 [0.25 ± 0.15]
NTHS-0805	0.079 ± 0.008 [2.00 ± 0.20]	0.049 ± 0.008 [1.25 ± 0.20]	0.012 ± 0.006 [0.30 ± 0.15]
NTHS-1206	0.126 ± 0.008 [3.20 ± 0.20]	0.063 ± 0.008 [1.60 ± 0.20]	0.018 ± 0.008 [0.46 ± 0.20]
NTHS-1012	0.098 ± 0.008 [2.50 ± 0.20]	0.126 ± 0.008 [3.20 ± 0.20]	0.018 ± 0.008 [0.46 ± 0.20]

2322 573/574 1XXXX SERIES SURFACE MOUNT MULTILAYER METAL OXIDE VARISTORS

Features:
- Surface mount multilayer surge suppressor
- Inherent bidirectional clamping
- Low capacitance types available
- Excellent energy/volume ratio
- Suitable for wave or reflow soldering
- Compliance to IEC 1000-4-2

Specifications:
- Operating temperature: -55°C to +125°C
- Response time: 0.5ns
- Maximum continuous dissipation: 5mW

Applications:
- Data lines and I/O port protection
- Protection against EMI and ESD transients
- On-board protection of ICs and transistors
- Modem protection
- LCD protection



DIMENSIONS m

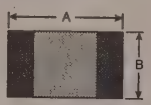
Case Size	L	W	T max.
0603	1.6 ±0.15	0.8 ±0.15	1.0
0805	2.0 ±0.2	1.25 ±0.15	0.8 ±0.15

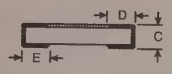
MOUSER STOCK NO.	Vishay Part No.	Case Size	Max. Operating Voltage		Voltage(1) @ 1mA		Max. Clamping Volt @ 1A	Capacitance @ 1kHz (pF)	Price Each					Reel Qty.	Price Per Piece
			RMS (V)	DC (V)	Min. (V)	Max. (V)			1	50	100	500	1000		
594-2322-573-12583	232257312583	0603	2.5	3.2	4.1	6	12	480	.38	.32	.28	.26	.22	4000	.15
594-2322-573-10403	232257310403	0603	4.0	5.5	6.4	9.6	21	290	.38	.32	.28	.26	.22	4000	.15
594-2322-573-11003	232257311003	0603	10.0	14.0	15.3	21	35	110	.38	.32	.28	.26	.22	4000	.15
594-2322-573-11403	232257311403	0603	14.0	18.0	19.8	25.7	40	80	.38	.32	.28	.26	.22	4000	.15
594-2322-573-11703	232257311703	0603	17.0	22.0	24.3	29.7	46	75	.38	.32	.28	.26	.22	4000	.15
594-2322-573-12003	232257312003	0603	20.0	26.0	29.7	38.6	56	70	.38	.32	.28	.26	.22	4000	.15
594-2322-573-12503	232257312503	0603	25.0	31.0	35.1	45.6	65	60	.38	.32	.28	.26	.22	4000	.15
594-2322-574-12583	232257412583	0805	2.5	3.3	4.1	6	12	1300	.38	.32	.28	.26	.22	4000	.15
594-2322-574-10403	232257410403	0805	4.0	5.5	6.4	9.6	21	470	.38	.32	.28	.26	.22	4000	.15
594-2322-574-10603	232257410603	0805	6.0	8.0	8.8	13.2	27	300	.38	.32	.28	.26	.22	4000	.15
594-2322-574-10803	232257410803	0805	8.0	11.0	12.7	17.2	33	200	.38	.32	.28	.26	.22	4000	.15
594-2322-574-11003	232257411003	0805	10.0	14.0	15.3	21	35	110	.38	.32	.28	.26	.22	4000	.15
594-2322-574-11403	232257411403	0805	14.0	18.0	19.8	25.7	40	100	.38	.32	.28	.26	.22	4000	.15
594-2322-574-11703	232257411703	0805	17.0	22.0	24.3	29.7	46	90	.38	.32	.28	.26	.22	4000	.15
594-2322-574-12003	232257412003	0805	20.0	26.0	29.7	38.6	56	70	.38	.32	.28	.26	.22	4000	.15
594-2322-574-12503	232257412503	0805	25.0	31.0	35.1	45.6	65	60	.38	.32	.28	.26	.22	4000	.15

NOTES: 1. The voltage measured at 1 mA meets the requirements of "paragraph 4.3 of CECC specification 42000".

TFPT SERIES LINEAR PTC THERMISTORS

Features:
- Solderable wraparound terminations
- Alumina substrate base with PTC thin film element
- Operating temperature: -55°C to + 125°C
- Tolerance: ±1%





DIMENSIONS IN. (mm

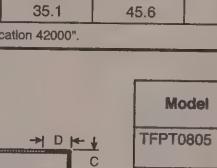
Model	A	B	C	D	E
TFPT0805	0.079 ±0.006 (2.60 ±0.15)	0.049 ±0.006 (1.25 ±0.15)	0.020 ±0.006 (0.50 ±0.15)	0.016 ±0.010 (0.40 ±0.25)	0.016 ±0.010 (0.40 ±0.25)
TFPT1206	0.126 ±0.006 (3.20 ±0.15)	0.063 ±0.006 (1.60 ±0.15)	0.022 ±0.006 (0.56 ±0.15)	0.020 ±0.010 (0.50 ±0.25)	0.020 ±0.010 (0.50 ±0.25)

MOUSER STOCK NO.	Vishay Part No.	Case Size	Max. VDC	Power Rating	TCR LOT PPM	TCR Tol. ppm °C	R Ω	Price Each					Reel Qty.	Price Per Piece
								1	50	100	500	1000		
71-TFPT0805L-1001F	TFPT0805L1001FY	0805	40	100mW	4000-5000	±100	1K	.88	.78	.64	.61	.52	2000	.42
71-TFPT0805L-1501F	TFPT0805L1501FY	0805	40	100mW	4000-5000	±100	1.5K	.88	.78	.64	.61	.52	2000	.42
71-TFPT0805L-3901F	TFPT0805L3901FY	0805	40	100mW	4000-5000	±100	3.9K	.88	.78	.64	.61	.52	2000	.42
71-TFPT1206L-5601F	TFPT1206L5601FY	1206	50	125mW	4000-5000	±100	5.6K	.88	.78	.64	.61	.52	2000	.42
71-TFPT1206L-1002F	TFPT1206L1002FY	1206	50	125mW	4000-5000	±100	10K	.88	.78	.64	.61	.52	2000	.42

2322 675 2XXXX SERIES TEMPERATURE SENSING PTC'S

Features:
- Suitable for reflow and wave soldering
- Contact surfaces are made of Ag, Ni and an external layer of Sn
- Operating temperature range at maximum voltage: -25°C to Tn + 15°C
- Resistance at 25°C: 470Ω ± 50%
- Maximum voltage: 25V(dc or rms)

Recommended footprint (mm)



DIMENSIONS mm

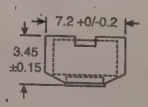
Model	W	T	L1	L2/L3
2322 675 2xxxx	1.25 ±0.2	0.90 ±0.15	2.00 ±0.2	0.4 ±0.25

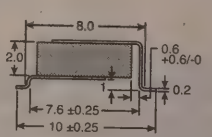
MOUSER STOCK NO.	Vishay Part No.	Tn (°C)	Rmax @ Tn -5°C	Rmin @ Tn +5°C	Rmin @ Tn +15°C	Price Each					Reel Qty.	Price Per Piece
						1	50	100	500	1000		
594-2322-675-20707	232267520707	70	4700	4700	15000	.88	.78	.64	.61	.52	4000	.30
594-2322-675-20807	232267520807	80	4700	4700	15000	.88	.78	.64	.61	.52	4000	.30
594-2322-675-20907	232267520907	90	4700	4700	15000	.88	.78	.64	.61	.52	4000	.30
594-2322-675-21007	232267521007	100	4700	4700	15000	.88	.78	.64	.61	.52	4000	.30
594-2322-675-21107	232267521107	110	4700	4700	15000	.88	.78	.64	.61	.52	4000	.30
594-2322-675-21207	232267521207	120	4700	4700	15000	.88	.78	.64	.61	.52	4000	.30
594-2322-675-21307	232267521307	130	4700	4700	15000	.88	.78	.64	.61	.52	4000	.30
594-2322-675-21407	232267521407	140	4700	4700	15000	.88	.78	.64	.61	.52	4000	.30

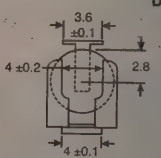
2322 661 97XXX SERIES PTC THERMISTORS FOR OVERLOAD PROTECTION

Features:
- Ideal for pick-and-place circuit assembly
- Low mounting height
- Suitable for reflow soldering
- Small ceramic diameter for faster response
- Low heat transfer to substrate
- Flat terminations for stable positioning and good solderability

Applications:
- Telecom
  - Set top box
  - Modems
  - Central office switching (C.O.)
  - Subscriber terminal equipment (T.E.)
  - Cable TV communications







DIMENSIONS mm

MOUSER STOCK NO.	Vishay Part No.	R25		Voltage max. (V)	I_{nt} @		I_t @ 25°C	Max. Trip-Time		Price Each				Reel Qty.	Price Per Piece
		(Ω)	(%)		25°C	70°C		t_t (s)	@I_t (mA)	1	25	50	100		
594-2322-661-97002	232266197002	40	25	265	80	50	130	2.5	500	1.54	1.36	1.12	1.05	1500	.58
594-2322-661-97003	232266197003	15 - 20(1)	- - -	300	150	100	250	1.5	1000	1.54	1.36	1.12	1.05	1500	.58
594-2322-661-97005	232266197005	25(1)	20	265	120	70	220	1.3	1000	1.54	1.36	1.12	1.05	1500	.58
594-2322-661-97012	232266197012	10(1)	20	245	165	100	270	3	1000	1.54	1.36	1.12	1.05	1500	.58
594-2322-661-97016	232266197016	10(1)	20	245	165	100	270	3	1000	1.58	1.40	1.15	1.08	1500	.59
594-2322-661-97018	232266197018	20(1)	20	300	120	70	250	1.4	1000	1.54	1.36	1.12	1.05	1500	.58

NOTES:
1. These types pass "ITU-T K20/21" telecommunication protection recommendation.

MOUSER ELECTRONICS a tti company

(800) 346-6873

XICON Thermal Cutoffs, Thermistors, and Surge Arrestors

XICON THERMAL CUTOFFS / THERMAL-LINKS

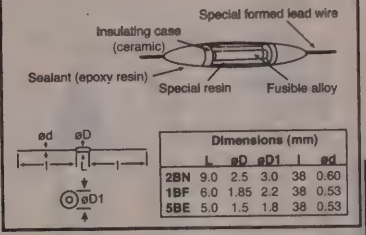
atures:
Compact axial construction
Highly insulated
Fast, reliable operation
Special alloy that contains no cadmium
Also known as TCO's or Thermal Links

Applications:
Transformers, solenoids, ventilation fans, electric fans, small electric motors, chargers, adaptors, second battery systems, gas home appliances, fluorescent lighting, heating devices, etc.

rinciple of operation:
n abnormal temperature rise will cause the special resin used in the TCO to soften nd liquefy. As the abnormal temperature rises above the melting point of the fusible loy, the alloy melts and separates the lead wires. **Xicon Thermal Cutoffs will not eset;** the TCO must be replaced after the fault in the protected equipment is orrected.

Cross Reference Chart				
Xicon Stock No.	Elmwood	Micro Temp	Selco	Panasonic
XYP2BN082	D081-002	4178AI	STC-183	EYP2BN082
XYP2BN098	D096-002	4204AI	STC-208	EYP2BN098
XYP2BN109	D103-002	4218AI	STC-219	EYP2BN109
XYP2BN124	D125-002	4257AI	STC-262	EYP2BN124
XYP2BN135	D139-002	4283AI	STC-286	EYP2BN135
XYP2BN143	D149-002	4300AI	STC-306	EYP2BN143
XYP2BN183	D181-002	4358AI	STC-363	EYP2BN183

Series 2BN, 1BF, and 5BE Axial Lead Type



Dimensions (mm)	L	øD	øD1	l	ød
2BN	9.0	2.5	3.0	38	0.60
1BF	6.0	1.85	2.2	38	0.53
5BE	5.0	1.5	1.8	38	0.53

For quantities of 1000 and up, call for quote.

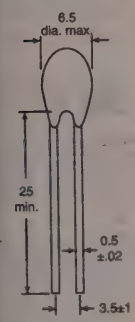
Mouser Part No.	Xicon Part No.	Electrical Rating		Rated Temp. (C°)	Functioning Temp. (C°)	Max Operating Temp. (C°)	Holding Temp. (C°)	Maximum Temperature		Price Each			
		Volt (V)	Amp (A)					UL, VDE (C°)	CSA (C°)	1	10	100	500
5BE Series													
147-XYP05BE102	XYP-05BE102	250V AC	0.5	102	98	75	80	200	150	.40	.38	.29	.28
147-XYP05BE115	XYP-05BE115	250V AC	0.5	115	110	80	95	200	150	.40	.38	.29	.28
147-XYP05BE130	XYP-05BE130	250V AC	0.5	130	126	94	112	200	180	.40	.38	.29	.28
147-XYP05BE133	XYP-05BE133	250V AC	0.5	133	128	96	115	200	180	.40	.38	.29	.28
147-XYP05BE139	XYP-05BE139	250V AC	0.5	139	135	103	120	200	180	.40	.38	.29	.28
1BF Series													
147-XYP1BF102	XYP-1BF102	250V AC	1.0	102	98	75	76	200	150	.40	.38	.29	.28
147-XYP1BF115	XYP-1BF115	250V AC	1.0	115	110	80	90	200	150	.40	.38	.29	.28
147-XYP1BF130	XYP-1BF130	250V AC	1.0	130	126	94	105	200	180	.40	.38	.29	.28
147-XYP1BF133	XYP-1BF133	250V AC	1.0	133	128	96	108	200	180	.40	.38	.29	.28
147-XYP1BF139	XYP-1BF139	250V AC	1.0	139	135	103	115	200	180	.40	.38	.29	.28
147-XYP1BF168	XYP-1BF168	250V AC	1.0	168	163	120	142	200	200	.40	.38	.29	.28
2BN Series													
147-XYP2BN082	XYP-2BN082	250V AC	2.0	86	82	60	60	200	150	.40	.38	.29	.28
147-XYP2BN088	XYP-2BN088	250V AC	2.0	92	88	62	65	200	---	.40	.38	.29	.28
147-XYP2BN098	XYP-2BN098	250V AC	2.0	102	98	75	76	200	150	.40	.38	.29	.28
147-XYP2BN109	XYP-2BN109	250V AC	2.0	114	110	80	90	200	150	.40	.38	.29	.28
147-XYP2BN110	XYP-2BN110	250V AC	2.0	115	110	80	90	200	150	.40	.38	.29	.28
147-XYP2BN124	XYP-2BN124	250V AC	2.0	130	126	94	105	200	180	.40	.38	.29	.28
147-XYP2BN126	XYP-2BN126	250V AC	2.0	133	128	96	108	200	180	.40	.38	.29	.28
147-XYP2BN135	XYP-2BN135	250V AC	2.0	140	136	103	115	200	180	.40	.38	.29	.28
147-XYP2BN143	XYP-2BN143	250V AC	2.0	145	141	110	120	200	180	.40	.38	.29	.28
147-XYP2BN163	XYP-2BN163	250V AC	2.0	168	163	120	135	200	200	.40	.38	.29	.28
147-XYP2BN183	XYP-2BN183	250V AC	2.0	188	183	120	140	200	200	.40	.38	.29	.28

Definitions:
- Rated Temperature: the temperature at which a TCO completely opens
- Functioning Temperature: the temperature at which a TCO begins to open
- Holding Temperature: the temperature at which a TCO will conduct the rated current for 168 hours without opening.
- Max Operating Temperature: Maximum temperature at which the device will carry full operating current without opening.

NTC THERMISTORS

3 constant signifies the dimensions
f the resistance changes against
temperature between two
ptional temperatures.

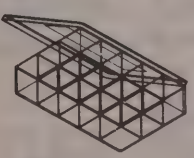
- Temperature range: -20°C to +125°C
- Maximum power rating: 500mW (@ 25°C)
- Dissipation factor: 6mW/°C (@ 25°C)
- Heat resistant, and moisture proof
- Almost indefinite life



DIMENSIONS (mm)

MOUSER STOCK NO.	(Ω) @ 25°C Value	B (K) (25°C/50°C) B-Constant	I (Max) @ 25°C (mA)	Price Each 1	100	500	1000	2000+
334-NTC101	100	3100	200	.66	.44	.37	.25	
334-NTC201	200	3000	200	.66	.44	.37	.25	C
334-NTC301	300	3000	150	.66	.44	.37	.25	A
334-NTC501	500	3800	100	.66	.44	.37	.25	L
334-NTC102	1K	3700	80	.66	.44	.37	.25	L
334-NTC152	1.5K	3700	60	.66	.44	.37	.25	
334-NTC202	2K	4000	60	.66	.44	.37	.25	F
334-NTC302	3K	4000	50	.66	.44	.37	.25	O
334-NTC502	5K	4100	45	.66	.44	.37	.25	R
334-NTC103	10K	4100	30	.66	.44	.37	.25	
334-NTC153	15K	4200	25	.66	.44	.37	.25	Q
334-NTC203	20K	4200	25	.66	.44	.37	.25	U
334-NTC503	50K	4400	20	.66	.44	.37	.25	O
334-NTC104	100K	4400	15	.66	.44	.37	.25	T
334-NTC224	220K	4500	6	.66	.44	.37	.25	E
334-NTC404	400K	4500	5	.66	.44	.37	.25	

NTC THERMISTOR KIT

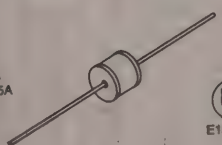


Contains 60 pieces
5 Each: 100, 200, 300, 500, 1K, 2K, 3K, 5K, 10K, 15K, 20K, 50K, Ω @ 25°C

MOUSER STOCK NO.	Price Each
370-NTC-T2	$29.95

GAS TUBE SURGE ARRESTORS

Features:
- Medium duty
- Two electrode
- Max. impulse discharge current (8/20μs): 10kA
- Max. AC discharge current (50Hz, 9 cycles): 65A
- Min. insulation resistance: 10^4MΩ
- Max. capacitance: 1.5pF
- AC(RMS) discharge current: 20A



E157510

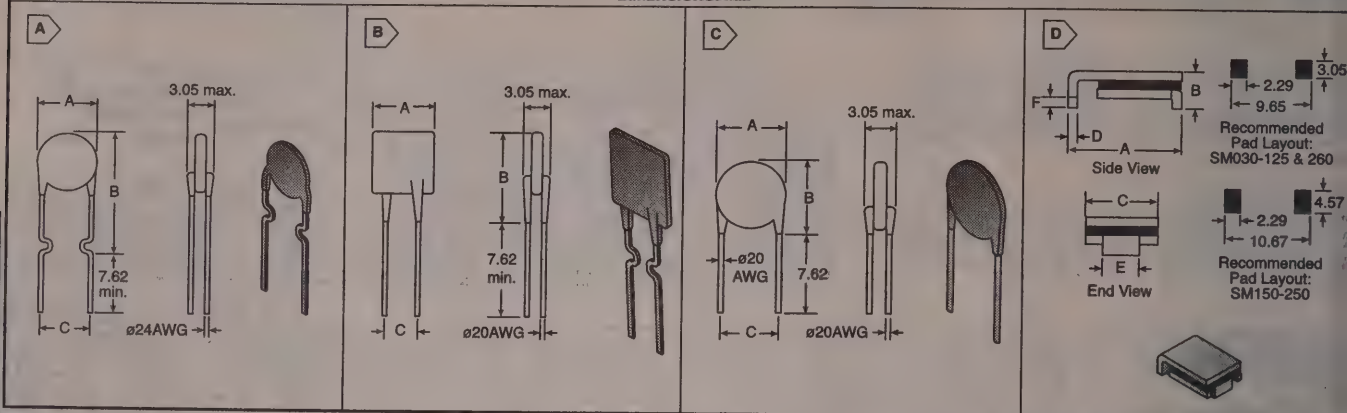
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	DC Breakdown Voltage 100V/s (V)	Max. Impulse Breakdown Voltage 100V/μs (V)	DC Holdover Voltage (V)	Impulse Life 10/1000μs 500A (times)	Nom. DC Sparkover Voltage (V)	Price Each 1	10	100	500
444-GT-90L	72-108	500	50	400	90 +25%/-20%	2.96	2.60	2.07	1.85
444-GT-230L	195-265	500	115	400	230 ±20%	2.96	2.60	2.07	1.85
444-GT-350L	297-403	650	150	400	350 ±20%	2.96	2.60	2.07	1.85
444-GT-600L	480-720	1,000	150	200	600 +35%/-20%	2.96	2.60	2.07	1.85

BOURNS *MultiFuse* PTC Resettable Fuses

BOURNS Reliable Electronic Solutions

DIMENSIONS: mm



MULTIFUSE® Resettable Fuses from Bourns are manufactured from a non-conductive crystalline polymer and a highly conductive carbon black. When the conductive plastic material is at normal room temperature, there are numerous carbon chains forming conductive paths through the material. Under fault conditions, excessive current flows through the material causing the temperature to rise and is accompanied by a small expansion. As the conductive particles move apart they no longer conduct current and the resistance of the device increases sharply. The material will stay "hot" as long as the power is applied. The device will remain latched, providing continuous protection, until the fault is cleared and the power is removed. The carbon chains will reform as the polymer re-crystallizes and the resistance quickly returns to its original value.

BOURNS Reliable Electronic Solutions MF-R SERIES

Features:
- Lead Free
- Radial leaded devices
- Cured, flame retardant epoxy polymer insulating material meets UL94V-0 requirements

Applications:
Almost anywhere there is a low voltage power supply and a load to be protected including:
- Computers and peripherals
- Automotive applications
- General electronics

LEAD-FREE

For quantities greater than 2000, call for quot

MOUSER STOCK NO.	Bourns Part No.	Fig.	Max Volt.	I max. Amps	Rated Current Amps @ 23°C		Initial Resistance Ω @ 23°C		Post-Trip Resist.	Dimensions mm			Price Each				
					Hold	Trip	Min.	Max.		A (max.)	B (max.)	C (nom.)	1	100	500	1000	2000
652-MFR010-LF	MF-R010-99	A	60	40	0.10	0.20	2.50	4.50	7.50	7.39	12.70	5.08	.50	.42	.34	.27	.25
652-MFR017-LF	MF-R017-99	A	60	40	0.17	0.34	2.0	3.2	8.00	7.39	12.70	5.08	.50	.42	.34	.27	.25
652-MFR020-LF	MF-R020-99	A	60	40	0.20	0.40	1.50	2.84	4.40	7.39	12.70	5.08	.54	.44	.36	.28	.27
652-MFR025-LF	MF-R025-99	A	60	40	0.25	0.50	1.00	1.95	3.00	7.39	12.70	5.08	.54	.44	.36	.28	.27
652-MFR030-LF	MF-R030-99	A	60	40	0.30	0.60	0.76	1.36	2.10	7.39	13.39	5.08	.54	.44	.36	.28	.27
652-MFR040-LF	MF-R040-99	A	60	40	0.40	0.80	0.52	0.86	1.29	7.39	13.69	5.08	.56	.46	.37	.30	.28
652-MFR050-LF	MF-R050-99	A	60	40	0.50	1.00	0.41	0.77	1.17	7.90	13.69	5.08	.56	.46	.37	.30	.28
652-MFR065-LF	MF-R065-99	A	60	40	0.65	1.30	0.27	0.48	0.72	9.70	15.19	5.08	.56	.46	.37	.30	.28
652-MFR075-LF	MF-R075-99	A	60	40	0.75	1.50	0.18	0.40	0.60	10.39	16.00	5.08	.59	.48	.39	.32	.29
652-MFR090-LF	MF-R090-99	A	60	40	0.90	1.80	0.14	0.31	0.47	11.71	16.69	5.08	.59	.48	.39	.32	.29
652-MFR110-LF	MF-R110-99	A	30	40	1.10	2.20	0.10	0.18	0.27	8.89	14.00	5.08	.61	.51	.41	.33	.30
652-MFR135-LF	MF-R135-99	A	30	40	1.35	2.70	0.065	0.115	0.17	8.89	18.90	5.08	.59	.48	.39	.32	.29
652-MFR160-LF	MF-R160-99	A	30	40	1.60	3.20	0.055	0.105	0.15	10.19	16.79	5.08	.69	.58	.46	.37	.35
652-MFR185-LF	MF-R185-99	A	30	40	1.85	3.70	0.04	0.07	0.11	11.99	18.39	5.08	.61	.51	.41	.33	.29
652-MFR250-0-010-LF	MF-R250-0-010-99	B	30	40	2.50	5.00	0.025	0.048	0.07	11.99	18.29	5.08	.80	.66	.53	.43	.40
652-MFR300-LF	MF-R300-99	B	30	40	3.00	6.00	0.02	0.05	0.08	11.99	18.29	5.08	.71	.60	.47	.39	.37
652-MFR400-LF	MF-R400-99	B	30	40	4.00	8.00	0.01	0.03	0.05	14.40	24.79	5.08	.79	.64	.51	.41	.40
652-MFR500-LF	MF-R500-99	B	30	40	5.00	10.00	0.01	0.03	0.05	17.40	24.89	10.16	.82	.68	.55	.44	.42
652-MFR600-LF	MF-R600-99	B	30	40	6.00	12.00	0.005	0.02	0.04	19.30	31.90	10.16	.85	.71	.57	.46	.44
652-MFR700-LF	MF-R700-99	B	30	40	7.00	14.00	0.005	0.02	0.03	22.10	29.79	10.16	.87	.74	.58	.47	.46
652-MFR800-LF	MF-R800-99	B	30	40	8.00	16.00	0.005	0.02	0.03	24.21	32.89	10.16	.90	.76	.60	.48	.47
652-MFR900-LF	MF-R900-99	B	30	40	9.00	18.00	0.005	0.01	0.02	24.21	32.89	10.16	.92	.77	.61	.49	.48

BOURNS Reliable Electronic Solutions MF-RX SERIES

Features:
- Lead Free
- Radial leaded devices
- Cured, flame retardant epoxy polymer insulating material meets UL94V-0 requirements

Applications:
Almost anywhere there is a low voltage power supply, up to 60V and a load to be protected including:
- Security and fire alarm systems
- Power transformers
- Loud speakers

LEAD-FREE

For quantities greater than 2000, call for quote

652-MFRX110-LF	MF-RX110-99	C	60	40	1.10	2.20	0.15	0.25	0.38	13.00	18.01	5.08	.56	.46	.37	.30	.28
652-MFRX135-LF	MF-RX135-99	C	60	40	1.35	2.70	0.12	0.19	0.30	14.50	19.61	5.08	.56	.46	.37	.30	.28
652-MFRX185-LF	MF-RX185-99	C	60	40	1.85	3.70	0.08	0.12	0.19	17.81	22.89	5.08	.64	.54	.42	.35	.33
652-MFRX300-LF	MF-RX300-99	C	60	40	3.00	6.00	0.04	0.06	0.10	24.89	29.97	10.16	.66	.56	.44	.36	.34
652-MFRX375-LF	MF-RX375-99	C	60	40	3.75	7.50	0.03	0.05	0.08	28.45	33.53	10.16	.79	.66	.53	.43	.41

BOURNS Reliable Electronic Solutions MF-SM SERIES

Features:
- Lead Free
- Surface mount devices
- Fully compatible with current industry standards
- Packaged per EIA 481-2 standard
- Patents pending

Applications:
Almost anywhere there is a low voltage power supply and a load to be protected including:
- Computers and peripherals
- General electronics
- Automotive applications

LEAD-FREE

For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Max Volt.	I max. Amps	Rated Current Amps @ 23°C		Initial Resist. Ω @ 23°C		Post-Trip Resist.	Dimensions mm						Price Each				
					Hold	Trip	Min.	Max.		A (max.)	B (max.)	C (max.)	D (max.)	E (max.)	F (max.)	1	100	500	1000	2000
652-MFSM050-2-LF	MF-SM050-2-99	D	60	10	0.50	1.00	0.35	0.70	1.40	7.98	3.18	5.44	.71	2.41	.43	.61	.51	.41	.33	.32
652-MFSM075-2-LF	MF-SM075-2-99	D	30	40	0.75	1.50	0.35	0.70	1.00	7.98	3.18	5.44	.71	2.41	.43	.61	.51	.41	.33	.32
652-MFSM100-2-LF	MF-SM100-2-99	D	30	40	1.00	2.20	0.12	0.24	0.48	7.98	3.00	5.44	.71	2.41	.43	.61	.51	.41	.33	.32
652-MFSM125-2-LF	MF-SM125-2-99	D	15	40	1.25	2.50	0.07	0.14	0.25	7.98	3.00	5.44	.71	2.41	.43	.61	.51	.41	.33	.32
652-MFSM150-2-LF	MF-SM150-2-99	D	15	40	1.50	3.00	0.06	0.12	0.25	9.50	3.00	6.71	.71	3.94	.43	.64	.54	.42	.35	.34
652-MFSM200-2-LF	MF-SM200-2-99	D	15	40	2.00	4.00	0.05	0.10	0.125	9.50	3.00	6.71	.71	3.94	.43	.64	.54	.42	.35	.34
652-MFSM250-2-LF	MF-SM250-2-99	D	15	40	2.50	5.00	0.035	0.08	0.085	9.50	3.00	6.71	.71	3.94	.43	.64	.54	.42	.35	.34
652-MFSM260-2-LF	MF-SM260-2-99	D	6	40	2.60	5.20	0.025	0.075	0.075	7.98	3.00	5.44	.71	2.41	.43	.64	.54	.42	.35	.34

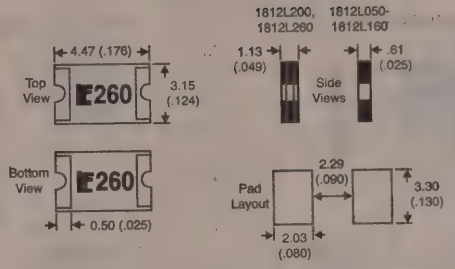
MOUSER ELECTRONICS a ttl company

(800) 346-6873

URFACE MOUNT PTC 1812L SERIES

mperature Rerating:

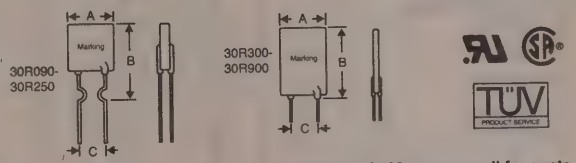
Part No.	Ambient Temperature								
	-40°C	-20°C	0°C	20°C	40°C	50°C	60°C	70°C	80°C	85°C
	Hold Current (A)									
312L050	0.75	0.67	0.58	0.50	0.41	0.37	0.33	0.29	0.25	0.23
312L075	1.13	1.00	0.87	0.75	0.62	0.56	0.50	0.43	0.37	0.34
312L110	1.65	1.47	1.28	1.10	0.91	0.82	0.73	0.64	0.54	0.50
312L125	1.88	1.67	1.46	1.25	1.04	0.93	0.83	0.72	0.62	0.56
312L150	2.25	2.00	1.75	1.50	1.24	1.12	0.99	0.87	0.74	0.68
312L160	2.40	2.13	1.86	1.60	1.33	1.19	1.06	0.92	0.79	0.72
312L200	3.00	2.67	2.33	2.00	1.66	1.49	1.32	1.15	0.99	0.90
312L260	3.90	3.47	3.03	2.60	2.16	1.94	1.72	1.50	1.28	1.17



MOUSER STOCK NO.		Current Rating @ 20°C					Max Time to Trip		Resistance		Size	Price Each				Reel	
Mfr.	Mfr. Part No.	Hold (A)	Trip (A)	Max DC	Max Amps	Max Watts	Current (A)	Time (Sec)	Ril (W)	Rat (W)		1	10	100	250	Qty.	Ea.
576—	1812L050PRT	0.50	1.00	15	40	0.8	8.0	0.15	0.1	1.00	1812	.47	.40	.34	.29	2000	.24
576—	1812L075PRT	0.75	1.50	13.2	40	0.8	8.0	0.30	0.06	0.42	1812	.47	.40	.34	.29	2000	.24
576—	1812L110PRT	1.10	2.20	6	40	0.8	8.0	0.30	0.04	0.23	1812	.33	.29	.27	.25	2000	.23
576—	1812L125PRT	1.25	2.50	6	40	0.8	8.0	0.30	0.04	0.18	1812	.33	.29	.27	.25	2000	.23
576—	1812L150PRT	1.50	3.00	6	40	0.8	8.0	0.30	0.032	0.14	1812	.33	.29	.27	.25	2000	.23
576—	1812L160PRT	1.60	3.20	6	40	0.8	8.0	0.30	0.032	0.10	1812	.33	.29	.27	.25	2000	.23
576—	1812L200MR	2.00	4.00	6	40	0.8	8.0	2.50	0.018	0.07	1812	.48	.42	.38	.36	2000	.32
576—	1812L260MR	2.60	5.20	6	40	0.8	8.0	2.50	0.01	0.05	1812	.48	.42	.38	.36	2000	.32

RADIAL LEADED PTC 30R SERIES

he 30R Series Resettable devices utilize a unique polymer-based, Positive Temperature Coefficient (PTC) material to protect ectrical circuits against overcurrent conditions. In normal operation, the 30R Series PTC has many conductive paths and a very low sistance. In an overcurrent condition, the temperature of the polymer material rises. This dramatically reduces the conductive paths sulting in an immediate rise in resistance. In this condition, the device provides circuit protection by significantly limiting the flow of rrent. However, once the cause of the initial overcurrent condition is eliminated, the 30R Series PTC cools down and resets to a low sistance value permitting the normal current flow to resume.

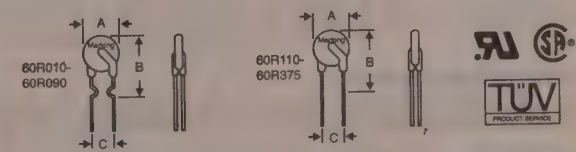


For quantities of 500 or more, call for quote.

MOUSER STOCK NO.		Current Rating@ 20°C					Max. Time to Trip		Resistance		Dimensions mm (In)			Price Each			
Mfr.	Mfr. Part No.	Hold (A)	Trip (A)	Max DC	Max Amps	Max Watts	Current (A)	Time (Sec)	Ril (W)	Rat (W)	A (Max)	B (Max)	C (Max)	1	10	100	250
576—	030R0090U	0.90	1.80	30	40	0.60	4.50	5.90	0.07	0.22	6.6 (0.26)	12.19 (0.48)	5.08 (0.20)	.41	.35	.32	.31
576—	030R0110U	1.10	2.20	30	40	0.70	5.50	6.60	0.05	0.17	6.6 (0.26)	14.22 (0.56)	5.08 (0.20)	.41	.35	.32	.31
576—	030R0135U	1.35	2.70	30	40	0.80	6.75	7.30	0.04	0.13	8.89 (0.35)	13.46 (0.53)	5.08 (0.20)	.41	.35	.32	.31
576—	030R0160U	1.60	3.20	30	40	0.90	8.00	8.00	0.03	0.11	8.89 (0.35)	15.42 (0.60)	5.08 (0.20)	.44	.39	.35	.34
576—	030R0185U	1.85	3.70	30	40	1.00	9.25	8.70	0.03	0.09	10.16 (0.40)	15.75 (0.62)	5.08 (0.20)	.46	.40	.37	.35
576—	030R0250U	2.50	5.00	30	40	1.20	12.50	10.30	0.02	0.07	11.43 (0.45)	18.29 (0.72)	5.08 (0.20)	.50	.44	.40	.38
576—	030R0300U	3.00	6.00	30	40	2.00	15.00	10.80	0.02	0.08	11.43 (0.45)	17.27 (0.68)	5.08 (0.20)	.54	.47	.43	.41
576—	030R0400U	4.00	8.00	30	40	2.50	20.00	12.70	0.01	0.05	13.97 (0.55)	20.07 (0.79)	5.08 (0.20)	.62	.54	.49	.46
576—	030R0500U	5.00	10.00	30	40	3.00	25.00	14.50	0.01	0.05	13.97 (0.55)	24.89 (0.98)	10.16 (0.40)	.65	.57	.52	.49
576—	030R0600U	6.00	12.00	30	40	3.50	30.00	16.00	0.005	0.04	16.51 (0.65)	24.89 (0.98)	10.16 (0.40)	.69	.60	.55	.52
576—	030R0700U	7.00	14.00	30	40	3.80	35.00	17.50	0.005	0.03	19.05 (0.75)	26.67 (1.05)	10.16 (0.40)	.73	.64	.58	.55
576—	030R0800U	8.00	16.00	30	40	4.00	40.00	18.80	0.005	0.02	21.59 (0.85)	29.21 (1.15)	10.16 (0.40)	.75	.65	.60	.56
576—	030R0900U	9.00	18.00	30	40	4.20	40.00	20.00	0.005	0.02	24.13 (0.95)	29.72 (1.17)	10.16 (0.40)	.81	.70	.64	.61

RADIAL LEADED PTC 60R SERIES

The 60R Series Resettable devices utilize a unique polymer-based, Positive Temperature Coefficient (PTC) material to protect electrical circuits against overcurrent conditions. In normal operation, the 30R Series PTC has many conductive paths and a very low esistance. In an overcurrent condition, the temperature of the polymer material rises. This dramatically reduces the conductive paths esulting in an immediate rise in resistance. In this condition, the device provides circuit protection by significantly limiting the flow of urrent. However, once the cause of the initial overcurrent condition is eliminated, the 60R Series PTC cools down and resets to a ow resistance value permitting the normal current flow to resume.

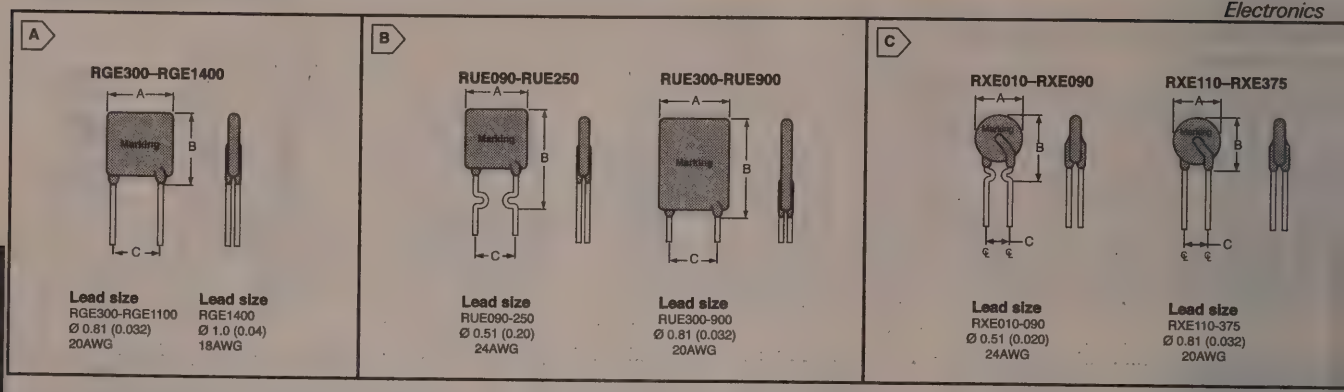


For quantities of 500 or more, call for quote.

MOUSER STOCK NO.		Current Rating@ 20°C					Max. Time to Trip		Resistance		Dimensions mm (In)			Price Each			
Mfr.	Mfr. Part No.	Hold (A)	Trip (A)	Max DC	Max Amps	Max Watts	Current (A)	Time (Sec)	Ril (W)	Rat (W)	A (Max)	B (Max)	C (Max)	1	10	100	250
576—	060R0010U	0.10	0.20	60	40	0.38	0.50	4.0	2.50	7.50	7.37 (0.29)	12.7 (0.50)	5.08 (0.20)	.39	.34	.31	.29
576—	060R0017U	0.17	0.34	60	40	0.48	0.85	3.0	3.30	8.00	7.37 (0.29)	12.7 (0.50)	5.08 (0.20)	.37	.32	.29	.28
576—	060R0020U	0.20	0.40	60	40	0.41	1.00	2.2	1.83	4.40	7.37 (0.29)	12.19 (0.48)	5.08 (0.20)	.37	.32	.29	.28
576—	060R0025U	0.25	0.50	60	40	0.45	1.25	2.5	1.25	3.00	7.37 (0.29)	12.7 (0.50)	5.08 (0.20)	.37	.32	.29	.28
576—	060R0030U	0.30	0.60	60	40	0.49	1.50	3.0	0.88	2.10	7.37 (0.29)	12.95 (0.51)	5.08 (0.20)	.37	.32	.29	.28
576—	060R0040U	0.40	0.80	60	40	0.56	2.00	3.8	0.55	1.29	7.62 (0.30)	13.46 (0.53)	5.08 (0.20)	.39	.34	.31	.29
576—	060R0050U	0.50	1.00	60	40	0.77	2.50	4.0	0.50	1.17	7.62 (0.30)	13.72 (0.54)	5.08 (0.20)	.39	.34	.31	.29
576—	060R0065U	0.65	1.30	60	40	0.88	3.25	5.3	0.31	0.72	9.65 (0.38)	14.48 (0.57)	5.08 (0.20)	.41	.35	.32	.31
576—	060R0075U	0.75	1.50	60	40	0.92	3.75	6.3	0.25	0.60	10.41 (0.41)	15.24 (0.60	5.08 (0.20)	.42	.37	.34	.32
576—	060R0090U	0.90	1.80	60	40	0.99	4.50	7.2	0.20	0.47	11.68 (0.46)	15.75 (0.62)	5.08 (0.20)	.42	.37	.34	.32
576—	060R0110U	1.10	2.20	60	40	1.50	5.50	8.2	0.15	0.38	12.95 (0.51)	18.0 (0.71)	5.08 (0.20)	.49	.43	.39	.37
576—	060R0135U	1.35	2.70	60	40	1.70	6.75	9.6	0.12	0.30	14.48 (0.57)	19.56 (0.77)	5.08 (0.20)	.48	.42	.38	.36
576—	060R0160U	1.60	3.20	60	40	1.90	8.00	11.4	0.09	0.22	16.26 (0.64)	21.34 (0.84)	5.08 (0.20)	.49	.43	.39	.37
576—	060R0185U	1.85	3.70	60	40	2.10	9.25	12.6	0.08	0.19	17.78 (0.70)	22.86 (0.90)	5.08 (0.20)	.52	.45	.41	.39
576—	060R0250U	2.50	5.00	60	40	2.50	12.5	15.6	0.05	0.13	21.34 (0.84)	26.42 (1.04)	10.16 (0.40)	.60	.52	.48	.45
576—	060R0300U	3.00	6.00	60	40	2.80	15.0	19.8	0.04	0.10	24.89 (0.98)	29.97 (1.18)	10.16 (0.40)	.64	.55	.51	.48
576—	060R0375U	3.75	7.50	60	40	3.20	18.75	24.0	0.03	0.08	28.45 (1.12)	33.53 (1.32)	10.16 (0.40)	.64	.55	.51	.48

RAYCHEM PolySwitch Resettable Fuses

tyco Electronics



DIMENSIONS mm (

Raychem resettable fuses utilize a polymer based, positive temperature coefficient (PTC) material to protect electrical circuits against overcurrent conditions. In normal operations, the PTC has many conductive paths and a very low resistance. In overcurrent conditions, the temperature of the polymer material rises. This dramatically reduces the conductive paths resulting in an immediate rise in resistance. In this condition the device provides circuit protection by significantly limiting the flow of current. Once the cause of the initial overcurrent condition is eliminated, the PTC cools down and RESETS to a low resistance value permitting the normal current to resume.

RAYCHEM RGE SERIES

This product line can be used in a wide variety of automotive, computer and general electronics applications.
The RGE devices feature high current carrying capability (up to 14 amps) in a small package with fast trip times.

For quantities of 2000 and up, call for quo

MOUSER STOCK NO.	Fig.	Max Volt.	Current Rating @ 20°C			RMin Initial (Ohms)	Dimensions mm (inches)			Price Each			
			Hold	Trip	Max		A	B	C	1	100	500	1000
650-RGE300	A	16V	3.00	5.10	100	0.034	7.1 (0.28)	11 (0.43)	5.1 (0.20)	.67	.56	.45	.40
650-RGE500	A	16V	5.00	8.50	100	0.014	10.4 (0.41)	14.3 (0.56)	5.1 (0.20)	.72	.60	.48	.42
650-RGE600	A	16V	6.00	10.20	100	0.009	10.7 (0.42)	17.1 (0.67)	5.1 (0.20)	.46	.37	.33	.32
650-RGE700	A	16V	7.00	11.90	100	0.006	11.2 (0.44)	19.7 (0.78)	5.1 (0.20)	.80	.67	.54	.47
650-RGE900	A	16V	9.00	15.30	100	0.004	14 (0.55)	21.7 (0.85)	5.1 (0.20)	.57	.45	.42	.40
650-RGE1100	A	16V	11.00	18.70	100	0.003	17.5 (0.69)	26 (1.02)	5.1 (0.20)	.63	.50	.46	.44
650-RGE1400	A	16V	14.00	23.80	100	0.001	27.9 (1.10)	27.9 (1.10)	10.2 (0.40)	1.34	1.12	.90	.79

RAYCHEM RUE SERIES

These devices are designed to be used in a wide variety of general electronics applications.
RUE devices complement the RXE line by providing a smaller form factor with lower resistance and higher hold current capability (up to 9 amps).

For quantities of 2000 and up, call for quo

MOUSER STOCK NO.	Fig.	Max Volt.	Current Rating @ 20°C			RMin Initial (Ohms)	Dimensions mm (inches)			Price Each			
			Hold	Trip	Max		A	B	C	1	100	500	1000
650-RUE090	B	30V	0.90	1.80	40	0.070	7.4 (0.29)	12.2 (0.48)	5.1 (0.20)	.54	.45	.36	.32
650-RUE110	B	30V	1.10	2.20	40	0.050	7.4 (0.29)	14.2 (0.56)	5.1 (0.20)	.55	.46	.37	.33
650-RUE135	B	30V	1.35	2.70	40	0.040	8.9 (0.35)	15.2 (0.60)	5.1 (0.20)	.34	.27	.25	.24
650-RUE160	B	30V	1.60	3.20	40	0.030	8.9 (0.35)	15.2 (0.60)	5.1 (0.20)	.59	.49	.40	.35
650-RUE185	B	30V	1.85	3.70	40	0.030	10.2 (0.40)	15.7 (0.62)	5.1 (0.20)	.66	.55	.45	.39
650-RUE250	B	30V	2.50	5.00	40	0.020	11.4 (0.45)	18.3 (0.72)	5.1 (0.20)	.66	.55	.44	.39
650-RUE300	B	30V	3.00	6.00	40	0.020	11.4 (0.45)	17.3 (0.68)	5.1 (0.20)	.70	.58	.47	.41
650-RUE400	B	30V	4.00	8.00	40	0.010	14.0 (0.55)	20.1 (0.79)	5.1 (0.20)	.75	.63	.51	.45
650-RUE500	B	30V	5.00	10.00	40	0.010	14.0 (0.55)	24.9 (0.98)	10.2 (0.40)	.82	.69	.55	.49
650-RUE600	B	30V	6.00	12.00	40	0.005	16.5 (0.65)	24.9 (0.98)	10.2 (0.40)	.53	.42	.39	.37
650-RUE700	B	30V	7.00	14.00	40	0.005	19.1 (0.75)	26.7 (1.05)	10.2 (0.40)	.56	.45	.41	.40
650-RUE800	B	30V	8.00	16.00	40	0.005	21.6 (0.85)	29.2 (1.15)	10.2 (0.40)	.60	.48	.44	.42
650-RUE900	B	30V	9.00	18.00	40	0.005	24.1 (0.95)	29.7 (1.17)	10.2 (0.40)	1.03	.86	.69	.61

RAYCHEM RXE SERIES

These products function as a general-purpose line of resettable fuses and are well suited for power supplies, alarm systems, speakers, motors, and many other applications.
Products range in hold currents from 0.10 amps to 3.75 amps and complement our RUE devices by providing a higher voltage rating.

For quantities of 2000 and up, call for quot

MOUSER STOCK NO.	Fig.	Max Volt.	Current Rating @ 20°C			RMin Initial (Ohms)	Dimensions mm (inches)			Price Each			
			Hold	Trip	Max		A	B	C	1	100	500	1000
650-RXE005	C	60V	0.05	0.10	50	20.00	8.0 (.315)	8.3 (3.25)	5.8 (.23)	.49	.41	.33	.29
650-RXE010	C	60V	0.10	0.20	40	2.50	7.4 (0.29)	12.7 (0.50)	5.1 (0.20)	.49	.41	.33	.29
650-RXE017	C	60V	0.17	0.34	40	3.30	7.4 (0.29)	12.7 (0.50)	5.1 (0.20)	.49	.41	.33	.29
650-RXE020	C	60V	0.20	0.40	40	1.83	7.4 (0.29)	12.2 (0.48)	5.1 (0.20)	.50	.42	.34	.29
650-RXE025	C	60V	0.25	0.50	40	1.25	7.4 (0.29)	12.7 (0.50)	5.1 (0.20)	.50	.42	.34	.30
650-RXE030	C	60V	0.30	0.60	40	0.88	7.4 (0.29)	13.0 (0.51)	5.1 (0.20)	.51	.42	.34	.30
650-RXE040	C	60V	0.40	0.80	40	0.55	7.6 (0.30)	13.5 (0.53)	5.1 (0.20)	.53	.44	.36	.32
650-RXE050	C	60V	0.50	1.00	40	0.50	7.9 (0.31)	13.7 (0.54)	5.1 (0.20)	.54	.45	.36	.32
650-RXE065	C	60V	0.65	1.30	40	0.31	9.7 (0.38)	14.5 (0.57)	5.1 (0.20)	.55	.46	.37	.33
650-RXE075	C	60V	0.75	1.50	40	0.25	10.4 (0.41)	15.2 (0.60)	5.1 (0.20)	.56	.47	.38	.33
650-RXE090	C	60V	0.90	1.80	40	0.20	11.7 (0.46)	15.8 (0.62)	5.1 (0.20)	.59	.49	.40	.35
650-RXE110	C	60V	1.10	2.20	40	0.15	13.0 (0.51)	18.0 (0.71)	5.1 (0.20)	.58	.49	.39	.35
650-RXE135	C	72V	1.35	2.70	96	0.19	14.5 (.57)	19.1 (.75)	5.8 (.23)	.61	.51	.41	.36
650-RXE160	C	60V	1.60	3.20	40	0.09	16.3 (0.64)	21.3 (0.84)	5.1 (0.20)	.63	.52	.42	.37
650-RXE185	C	60V	1.85	3.70	40	0.08	17.8 (0.70)	22.9 (0.90)	5.1 (0.20)	.66	.56	.45	.39
650-RXE250	C	60V	2.50	5.00	40	0.05	21.3 (0.84)	26.4 (1.04)	10.2 (0.40)	.74	.62	.50	.44
650-RXE300	C	60V	3.00	6.00	40	0.04	24.9 (0.98)	30.0 (1.18)	10.2 (0.40)	.49	.39	.36	.34
650-RXE375	C	60V	3.75	7.50	40	0.03	28.5 (1.12)	33.5 (1.32)	10.2 (0.40)	.51	.40	.37	.36

RAYCHEM PolySwitch Resettable Fuses

tyco Electronics

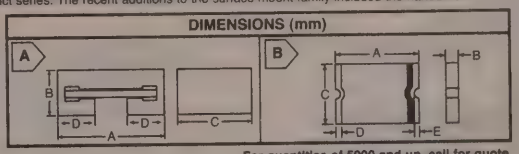
re than ten years ago, Raychem Circuit Protection introduced the SMD product family and polymeric PTC devices quickly became the computer industry standard for keyboard, mouse, and disk drive protection. In 1995, Raychem cuit Protection advanced the technology, reducing the size and cost of surface-mount resettable devices with the introduction of its miniSMD product series. The recent additions to the surface mount family included the nanoSMD ies, which reduces the size to a 3216mm (1206mils) footprint, one-third the size of the popular miniSMD series.

AYCHEM NANOSMD SERIES

atures:
- Voltage rating 6V
- Agency recognition: UL, CSA, TUV
- Industry's fastest time to trip
- Industry's lowest-resistance device.

Applications:
- Battery Packs
- LCD Power Screen
- SCSI
- PS/2 mouser / keyboard

DIMENSIONS (mm)



For quantities of 5000 and up, call for quote.

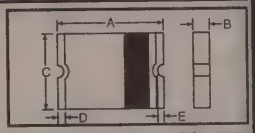
MOUSER STOCK NO.	Fig.	Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions (mm)					Resistance Ω		Price Each			
Mfr. Mfr. Stock No.							A	B	C	D	E	Min.	Max.	1	100	500	1000
650—NANOSMDM050	A	6	40	0.5	1	.10 @ 8.0	3.00	1.20	1.80	1.05	- -	0.15	0.70	.60	.50	.40	.36
650—NANOSMDM075	A	6	40	0.75	1.5	.20 @ 8.0	3.00	1.20	1.80	1.05	- -	0.10	0.29	.60	.50	.40	.36
650—NANOSMDM100	A	6	40	1	1.8	.30 @ 8.0	3.00	1.20	1.80	1.05	- -	0.06	0.21	.60	.50	.40	.36
650—NANOSMDC150	B	6	40	1.5	3	1.0 @ 8.0	3.00	1.20	1.90	0.25	0.127	0.04	0.11	.31	.25	.23	.22

AYCHEM MICROSMD SERIES

eatures:
- Voltage rating from 6V to 30V
- Agency recognition: UL,CSA,TUV
- Industry's fastest time to trip
- Industry's lowest-resistance device

Applications:
- LCD Power Screens
- Modems
- Fans
- Smart Card Readers

DIMENSIONS (mm)



For quantities of 5000 and up, call for quote.

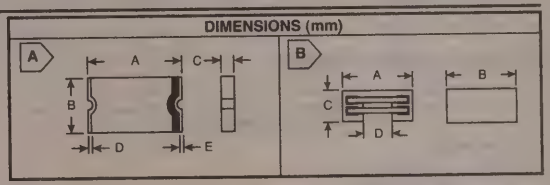
MOUSER STOCK NO.	Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions (mm)					Resistance Ω		Price Each			
Mfr. Mfr. Stock No.						A	B	C	D	E	Min.	Max.	1	100	500	1000
650—MICROSMD005	30	10	0.05	0.15	1.5 @ .25	3.43	0.85	2.58	0.25	0.20	3.60	50.0	.54	.45	.37	.32
650—MICROSMD010	30	10	0.1	0.25	1.0 @ .50	3.43	0.85	2.58	0.25	0.25	2.10	15.0	.54	.45	.37	.32
650—MICROSMD035	6	40	0.35	0.75	.20 @ 8.0	3.43	0.85	2.58	0.30	0.25	0.32	1.30	.33	.27	.24	.23
650—MICROSMD050	13.2	40	0.5	1	.10 @ 5.0	3.43	0.85	2.58	0.30	0.25	0.25	0.90	.54	.45	.37	.32
650—MICROSMD075	6	40	0.75	1.5	.10 @ 8.0	3.43	0.85	2.58	0.30	0.25	0.11	0.40	.33	.27	.24	.23
650—MICROSMD110	6	40	1.10	2.2	1.0 @ 5	3.43	.85	2.58	0.30	0.25	0.07	0.21	.33	.27	.24	.23
650—MICROSMD150	6	40	1.5	3	5.0 @ 5.0	3.43	0.85	2.58	0.30	0.25	0.04	0.11	.33	.27	.24	.23

RAYCHEM MINISMD SERIES

Features:
- Voltage rating from 6V to 60V
- Agency recognition: UL,CSA,TUV
- Industry's fastest time to trip
- Industry's lowest-resistance device

Cross-Reference Chart	
Rachem miniSMD	Polytronics SMD 1812
	Bourns MF-MSMD
	Littelfuse 1812L

DIMENSIONS (mm)



For quantities of 5000 and up, call for quote.

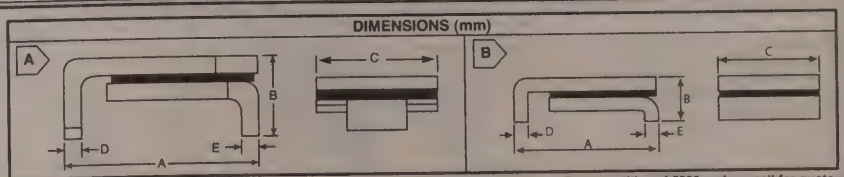
MOUSER STOCK NO.	Fig.	Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions (mm)					Resistance Ω		Price Each			
Mfr. Mfr. Stock No.							A	B	C	D	E	Min.	Max.	1	100	500	1000
650—MINISMDC014	A	60	10	.14	.34	.15 @ 1.5	4.73	3.41	0.89	0.30	0.50	1.50	6.00	.53	.45	.36	.32
650—MINISMDC020	A	30	10	.20	.40	.02 @ 8.0	4.73	3.41	0.81	0.65	- -	.80	5.00	.52	.43	.35	.31
650—MINISMDC050	A	15	40	.50	1.00	.10 @ 8.0	4.73	3.41	0.62	0.30	0.50	.15	1.00	.59	.49	.39	.34
650—MINISMDC075	A	13.2	40	.75	1.50	.15 @ 8.0	4.73	3.41	0.62	0.30	0.50	.11	.45	.39	.31	.28	.27
650—MINISMDC110	A	6	40	1.10	2.20	.30 @ 8.0	4.73	3.41	0.62	0.30	0.50	.04	.21	.27	.21	.19	.19
650—MINISMDC125	A	6	40	1.25	2.50	.40 @ 8.0	4.73	3.41	0.48	0.30	0.50	.05	.14	.34	.27	.25	.24
650—MINISMDC150	A	6	40	1.50	3.00	.50 @ 8.0	4.73	3.41	0.48	0.30	0.50	.04	.11	.33	.26	.24	.23
650—MINISMDE190	A	16	100	1.90	3.80	2.0 @ 10	11.15	5.33	0.53	0.51	- -	.02	.08	.42	.33	.30	.29
650—MINISMDC200	A	6	40	2.00	4.00	10.0 @ 8.0	4.73	3.41	1.62	0.30	0.50	.02	.07	.36	.29	.26	.25
650—MINISMDM260	B	6	40	2.60	4.55	5.0 @ 8.0	4.75	3.60	2.00	1.40	- -	.01	- - -	.88	.74	.59	.52
650—MINISMDM110/16	B	16	40	1.10	1.95	.50 @ 8.0	4.75	3.60	2.00	1.40	- -	.06	.18	.71	.59	.48	.42

RAYCHEM SMD SERIES

Features:
- Voltage rating from 6V to 60V
- Agency recognition: UL,CSA,TUV
- Industry's fastest time to trip
- Industry's lowest-resistance device

Applications:
- AC adapter input power
- LNB (Low Noise Block)
- Signal - data communication ≤30V
- IEEE 1394 Power Provider

DIMENSIONS (mm)



For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions (mm)					Resistance Ω		Price Each			
Mfr. Mfr. Stock No.							A	B	C	D	E	Min.	Max.	1	100	500	1000
650—SMD030	A	60	10	0.3	0.6	3.0 @ 1.5	7.98	3.18	5.44	0.71	0.71	1.2	4.80	.80	.67	.54	.47
650—SMD050	A	60	10	0.5	1	4.0 @ 2.5	7.98	3.18	5.44	0.71	0.3	0.35	1.40	.80	.67	.54	.47
650—SMD075	A	30	40	0.75	1.5	0.3 @ 8.0	7.98	3.18	5.44	0.71	0.71	0.35	1.00	.80	.67	.54	.47
650—SMD100	A	30	40	1.1	2.2	0.5 @ 8.0	7.98	3	5.44	0.71	0.71	0.12	0.48	.80	.67	.54	.47
650-SMD100-2018	B	15	15	1.1	2.2	0.5 @ 8.0	5.44	1.78	4.93	0.36	0.36	0.1	0.4	.43	.34	.31	.30
650—SMD125	A	15	40	1.25	2.5	2.0 @ 8.0	7.98	3	5.44	0.71	0.71	0.16	0.25	.49	.39	.35	.34
650—SMD150	A	15	40	1.5	3	5.0 @ 8.0	9.40	3	6.71	0.71	0.71	0.06	0.25	.49	.39	.35	.34
650—SMD030-2018	B	60	20	0.3	0.8	1.5 @ 1.5	5.44	1.78	4.93	0.36	0.36	0.5	2.3	.43	.34	.32	.30
650—SMD150/33	A	33	40	1.5	3	5 @ 8	9.4	3	6.71	0.71	0.71	0.080	0.230	.73	.61	.49	.43
650—SMDH160	A	16	70	1.6	3.2	15 @ 8	9.4	3	6.71	0.71	0.71	0.05	0.15	.51	.41	.38	.36
650—SMD200	A	15	40	2	4	12 @ 8.0	9.40	3	6.71	0.71	0.71	0.05	0.125	.49	.39	.35	.34
650—SMD250	A	15	40	2.5	5	25 @ 8.0	9.40	3	6.71	0.71	0.71	0.035	0.085	.80	.67	.54	.47
650—SMD260	A	6	40	2.6	5.2	20 @ 8.0	7.98	3	5.44	0.71	0.71	0.025	0.075	.49	.39	.35	.34
650—SMD300	A	6	40	3	6	35 @ 8.0	7.98	3	5.44	0.71	0.71	0.015	0.048	.73	.61	.49	.43
650—SMD185	A	33	40	1.8	3.6	5 @ 8	9.4	3	6.71	0.71	0.71	0.065	0.165	.87	.73	.59	.52

RAYCHEM PolySwitch Resettable Fuses

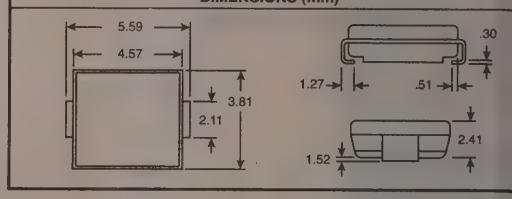
tyco Electronics

RAYCHEM TVB SERIES SIBAR THYRISTOR SURGE PROTECTORS

Features:

- Bidirectional transient voltage protection
- High off-state impedance
- Low on-state voltage
- Glass-passivated junctions
- Short-circuit failure mode
- Surface-mount technology

DIMENSIONS (mm)



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		VDM Max	VBO Max	IH Min	VT Max	C1 Min	ITSM Min	Price Each			
Mfr.	Mfr. Stock No.	(V)	(V)	(mA)	(V)	(A)	(A)	1	100	500	1000
650—TVB270SC		270	370	175	5.0	50	60	.55	.44	.40	.38
650—TVB270SA		270	370	175	5.0	20	22	.31	.24	.22	.22

RAYCHEM LTP SERIES

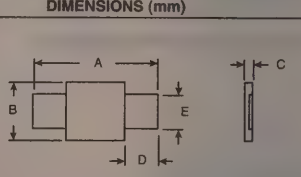
Rachem's PolySwitch Strap Battery Resettable device offers overcurrent protection for rechargable batteries at elavated temperatures. Made with weldable nickel terminals, and is fully compatible with current industry standards

Applications:

- Mobile phone battery packs
- Cordless phone battery packs
- Computer and PDA battery packs
- Camcorder battery packs

Cross-Reference Chart		
Rachem LTP(xxx)	Wickmann LTD(xx)	Bourns MF-LS(xxx)

DIMENSIONS (mm)



For quantities of 1000 and up, call for quot

MOUSER STOCK NO.		VMax. Interrupt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions (mm)					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.						A	B	C	D	E	Min.	Max.	1	10	100	500
650—LTP070		15	100	.70	1.50	5.0 @ 3.5	22.1	5.2	1.2	7.5	4.1	.100	.200	.43	.37	.34	.31
650—LTP100		24	100	1.00	2.50	7.0 @ 5.0	23.1	5.2	1.0	5.5	4.1	.070	.130	.43	.37	.34	.31
650—LTP180		24	100	1.80	3.80	2.9 @ 9.0	26.0	5.2	1.0	5.5	4.1	.040	.068	.43	.37	.34	.31
650—LTP190		24	100	1.90	4.20	3.0 @ 10.0	23.4	11.0	1.1	7.6	5.4	.030	.057	.43	.37	.34	.31

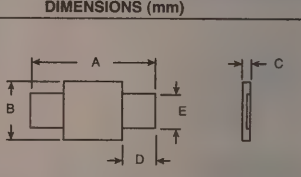
RAYCHEM SRP SERIES

Rachem's SRP Series offers the lowest resistance in ohm value when it comes to choosing a PolySwitch Resettable Device for your battery protection needs. The SRP can handle up to 30 volts DC with a trip rating of 7.6 amps.

Applications:

- Mobile phone battery packs
- Cordless phone battery packs
- Computer and PDA battery packs
- Camcorder battery packs

DIMENSIONS (mm)



For quantities of 1000 and up, call for quot

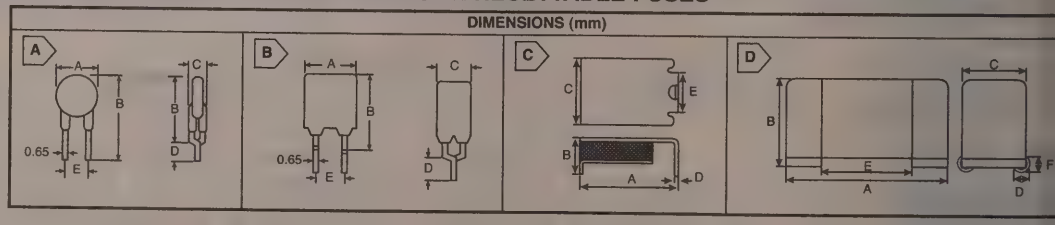
MOUSER STOCK NO.		VMax. Interrupt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions (mm)					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.						A	B	C	D	E	Min.	Max.	1	10	100	500
650—SRP120		15	100	1.2	2.7	5.0 @ 6.0	22.1	1.0	5.2	7.5	7.5	0.085	0.16	.39	.34	.31	.28
650—SRP175		15	100	1.75	3.8	5.0 @ 8.75	23.1	1.0	5.2	7.5	5.5	0.05	0.09	.39	.34	.31	.28
650—SRP200		30	100	2	4.4	4.0 @ 10.0	23.4	1.1	11.0	7.6	7.6	0.03	0.06	.42	.37	.34	.31
650—SRP350		30	100	3.5	6.3	3.0 @ 20.0	31.8	1.1	13.5	8.9	8.9	0.017	0.031	.45	.39	.36	.33
650—SRP420		30	100	4.2	7.6	6.0 @ 20.0	32.4	1.1	13.6	7.5	7.5	0.012	0.024	.45	.39	.36	.33

RAYCHEM TR & TS SERIES POLYSWITCH TELECOM AND NETWORK RESETTABLE FUSES

Features:

- Resettable overcurrent protection
- Fast time to trip
- Low parasitic capacitance / flat impedance with frequency

DIMENSIONS (mm)



For quantities of 1000 and up, call for quot

MOUSER STOCK NO.		Fig.	VMax. Interrupt	Max. Current	Hold Current	Trip Current	Time to Trip (A @ sec.)	Dimensions (mm)					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.							A	B	C	D	E	Min.	Max.	1	10	100	500
650—TR250-080U		A	250	3	0.08	0.16	.35 @ 3.00	4.8	9.1	3.8	4.7	5.0	14.0	20.0	.73	.67	.61	.49
650—TR250-120		B	250	3	0.12	0.24	1.00 @ 1.50	6.5	11.0	4.6	4.7	5.0	4.0	8.0	.47	.41	.38	.35
650—TR250-145		B	250	3	0.145	0.29	1.00 @ 2.50	6.5	11.0	4.6	4.7	5.0	3.0	6.0	.47	.41	.38	.35
650—TRF250-180		A	250	10	0.18	0.65	3.00 @ 0.50	9.0	12.0	3.8	4.7	5.0	8.0	22.0	.51	.45	.41	.38
650—TR600-150		B	600	3	0.15	0.3	1.00 @ 5.00	13.5	12.6	6.0	4.7	5.0	6.0	12.0	1.22	1.12	1.02	.82
650—TR600150RA-B-0.5		B	600	3	0.15	0.3	1.00 @ 5.00	13.5	12.6	6.0	4.7	5.0	7.0	10.0	.84	.73	.67	.61
650—TR600-160		B	600	3	0.16	0.32	1.00 @ 7.00	16.0	12.6	6.0	4.7	5.0	4.0	10.0	.81	.71	.65	.59
650—TR600160RAB.5.13		B	600	3	0.16	0.32	1.00 @ 7.00	16.0	12.6	6.0	4.7	5.0	4.0	10.0	.88	.77	.70	.64
650—TS250-130		C	250	3	0.13	0.23	1.00 @ .90	9.4	3.4	7.4	0.3	3.8	6.5	12.0	.64	.56	.51	.47
650—TS250-130-RA		C	250	3	0.13	0.23	1.00 @ 1.40	9.4	3.4	7.4	0.3	3.8	6.5	9.0	.66	.57	.52	.48
650—TS600-170		D	600	3	0.17	0.4	1.00 @ 10.00	19.4	12.3	8.3	2.4	10.4	4.0	9.0	1.03	.90	.82	.75

RAYCHEM PESD and SMD Chip Fuses

tyco Electronics

OLYMER ESD PROTECTORS

ychem PESD devices are designed for use in low capacitance applications, such as designs h high speed data transmission needs. The compact design offers board space savings and ger battery life due to low leakage current. Features include thick film technology, pacitance typically less than .2pF, low leakage current, trigger and clamping voltages, and a ponse time less than 1ns. These devices are capable of withstanding numerous ESD strikes d are compatible with standard reflow installation procedures.

NEW! TECHNOLOGY

atures:

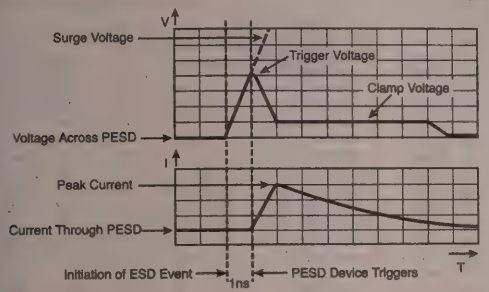
torage and Operating Temperature: -40°C - +85°C
SD Pulse Withstand: 100 pulses min., 500 pulses typ.
ested per IEC 61000-4-2, level 4, contact method)
SD Voltage Capability (tested per IEC 6100-4-2)
Contact Discharge Mode: 8kV typ., 15kV max.
Air Discharge Mode: 15kV typ., 25kV max.
HOHS Compliant
ELV Compliant

Applications for 650-PESD0402-060 and 650-PESD0603-140:

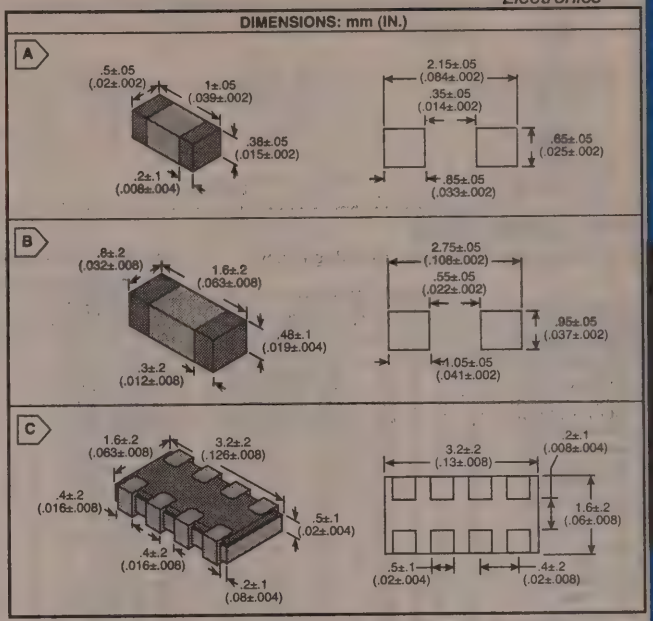
- Cellular Phones
- Portable Devices
- High Speed Ethernet
- USB 2.0 and IEEE 1394 Interfaces
- Antennas
- Printer Ports
- DVI and HDMI Interfaces

Applications for 650-PESD1206Q-140:

- Portable Devices
- High Speed Ethernet
- USB 2.0 and IEEE 1394 Interfaces
- Printer Ports
- DVI and HDMI Interfaces



DIMENSIONS: mm (IN.)



ote:

Measured during IEC 61000-4-2, level 4 pulse, 8kV contact test method
• Measured 30ns after pulse initiation

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Continuous Maximum Operating Voltage	Typical IEC Trigger Voltage	Typical IEC Clamping Voltage after 30ns	Typical TLP Trigger Voltage	Typical TLP Clamping Voltage after 30ns	Typical TLP Clamping Voltage after 60ns	Typical Capacitance @ 1 MHz, 1Vrms	Typical Leakage Current @ 6VDC	Maximum Leakage Current @ 6VDC	Price Each			
		VDC (V)	VT(IEC) (V)	VC(IEC) (V)	VC(TLP) (V)	VC(TLP 30) (V)	VC(TLP 60) (V)	Cp (pF)	IL(Typ) (μA)	IL(MAX) (μA)	1	10	100	500
50-PESD0402-060	A	6	150	25	225	40	35	0.25	<0.001	0.05	.20	.18	.16	.12
50-PESD0603-140	B	14	350	30	320	75	65	0.25	<0.001	0.01	.16	.15	.12	.10
50-PESD1206Q-140	C	14	150	30	-	-	-	0.2	<0.001	0.01	.45	.39	.33	.26

AST ACTING SMD CHIP FUSES

atures:

Small size with high current ratings
Excellent temperature stability
High reliability and resilience
Strong arc suppression characteristics

atures:

Monolithic, multilayer design
Lead-free construction
High temperature performance
-55° to +125°C operating range

Applications:

- Laptops
- Digital cameras
- Cell phones
- Printers
- DVD players
- Portable electronics
- Game systems
- LCD displays
- Scanners

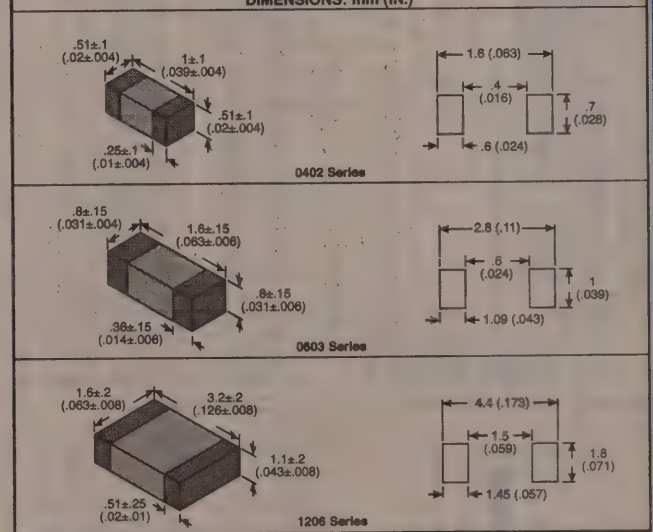
Clear Time Characteristics:

% of rated current	Clear time at 25°C
100	4 Hours Min
250	5 Seconds Max
400	.05 Seconds Max

Agency Approvals:

- UL File# E197536

DIMENSIONS: mm (IN.)



402 Series (1005mm)

For quantities of 500 and up, call or quote.

MOUSER STOCK NO.	Rated Current (A)	Nominal Cold DCR (Ω)	Voltage (V)	Current (A)	Price Each			
					1	10	100	250
50-0402SFF025F/24	0.25	TBD	24	35	.39	.34	.31	.29
50-0402SFF038F/24	0.38	TBD	24	35	.39	.34	.31	.29
50-0402SFF050F/24	0.50	0.38	24	35	.39	.34	.31	.29
50-0402SFF075F/24	0.75	0.21	24	35	.39	.34	.31	.29
50-0402SFF100F/24	1.00	0.12	24	35	.39	.34	.31	.29
50-0402SFF150F/24	1.50	0.056	24	35	.39	.34	.31	.29
50-0402SFF200F/24	2.00	0.035	24	35	.39	.34	.31	.29
50-0402SFF300F/24	3.00	0.021	24	35	.39	.34	.31	.29
50-0402SFF400F/24	4.00	0.014	24	35	.39	.34	.31	.29

603 Series (1608mm)

For quantities of 500 and up, call or quote.

MOUSER STOCK NO.	Rated Current (A)	Nominal Cold DCR (Ω)	Voltage (V)	Current (A)	Price Each			
					1	10	100	250
50-0603SFF025F/32	0.25	TBD	32	50	.37	.32	.29	.28
50-0603SFF038F/32	0.38	TBD	32	50	.37	.32	.29	.28
50-0603SFF050F/32	0.50	0.485	32	50	.37	.32	.29	.28
50-0603SFF075F/32	0.75	0.254	32	50	.37	.32	.29	.28
50-0603SFF100F/32	1.00	0.131	32	50	.37	.32	.29	.28
50-0603SFF150F/32	1.50	0.059	32	35	.37	.32	.29	.28
50-0603SFF200F/32	2.00	0.044	32	35	.37	.32	.29	.28
50-0603SFF250F/32	2.50	0.032	32	35	.37	.32	.29	.28
50-0603SFF300F/32	3.00	0.025	32	35	.37	.32	.29	.28
50-0603SFF350F/32	3.50	0.024	32	35	.37	.32	.29	.28
50-0603SFF400F/32	4.00	0.018	32	35	.37	.32	.29	.28
50-0603SFF500F/32	5.00	0.013	32	35	.37	.32	.29	.28
50-0603SFF600F/24	6.00	0.01	24	35	.37	.32	.29	.28

1206 Series (3216mm)

For quantities of 500 and up, call or quote.

MOUSER STOCK NO.	Rated Current (A)	Nominal Cold DCR (Ω)	Voltage (V)	Current (A)	Price Each			
					1	10	100	250
650-1206SFF025F/125	0.25	TBD	125	50	.35	.30	.28	.26
650-1206SFF038F/125	0.38	TBD	125	50	.35	.30	.28	.26
650-1206SFF050F/63	0.50	0.5	63	50	.35	.30	.28	.26
650-1206SFF075F/63	0.75	0.33	63	50	.35	.30	.28	.26
650-1206SFF100F/63	1.00	0.22	63	50	.35	.30	.28	.26
650-1206SFF150F/63	1.50	0.12	63	50	.35	.30	.28	.26
650-1206SFF175F/63	1.75	0.1	63	50	.35	.30	.28	.26
650-1206SFF200F/63	2.00	0.05	63	50	.35	.30	.28	.26
650-1206SFF250F/32	2.50	0.035	32	50	.35	.30	.28	.26
650-1206SFF300F/32	3.00	0.031	32	50	.35	.30	.28	.26
650-1206SFF400F/32	4.00	0.022	32	45	.35	.30	.28	.26
650-1206SFF500F/32	5.00	0.015	32	45	.35	.30	.28	.26
650-1206SFF600F/24	6.00	0.013	24	45	.35	.30	.28	.26
650-1206SFF700F/24	7.00	0.011	24	45	.35	.30	.28	.26
650-1206SFF800F/24	8.00	0.008	24	45	.35	.30	.28	.26

COOPER / BUSSMANN Fuses

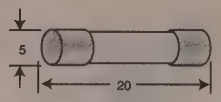
COOPER Bussmann

All are UL Approved except where noted by an asterisk.

*

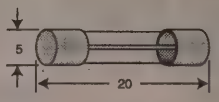
† Not UL Approved or Recognized

A



Ceramic Tube

B



Glass Tube

DIMENSIONS:

5MM X 20MM FUSES

GDA Series Fast Acting/High Breaking Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each 1	100	500
504-GDA-50MA	A	.05	250	1.13	.85	.80
504-GDA-100MA	A	.1	250	.91	.68	.64
504-GDA-160MA	A	.16	250	.91	.68	.64
504-GDA-200MA	A	.2	250	1.13	.76	.65
504-GDA-250MA	A	.25	250	1.13	.76	.65
504-GDA-315MA	A	.315	250	.91	.68	.64
504-GDA-500MA	A	0.5	250	.75	.57	.53
504-GDA-630MA	A	.63	250	.94	.63	.54
504-GDA-800MA	A	.8	250	.75	.57	.53
504-GDA-1A	A	1	250	.75	.57	.53
504-GDA-1.25A	A	1.25	250	.75	.57	.53
504-GDA-1.6A	A	1.6	250	.94	.63	.54
504-GDA-2A	A	2	250	.75	.57	.53
504-GDA-2.5A	A	2.5	250	.75	.57	.53
504-GDA-3.15A	A	3.15	250	.75	.57	.53
504-GDA-4A	A	4	250	.75	.57	.53
504-GDA-5A	A	5	250	.75	.57	.53
504-GDA-6.3A	A	6.3	250	.75	.57	.53

GDC Series Time Delay/Low Breaking Fuses

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each 1	100	500
504-GDC-V-50MA	B	0.5	250	1.45	1.09	1.02
504-GDC-63MA	B	.063	250	1.18	.89	.83
504-GDC-100MA	B	.1	250	.86	.57	.49
504-GDC-V-100MA	B	0.1	250	.97	.73	.68
504-GDC-125MA	B	.125	250	.69	.52	.48
504-GDC-V-160MA	B	0.16	250	.97	.73	.68
504-GDC-200MA	B	.2	250	.69	.52	.48
504-GDC-250MA	B	.25	250	.86	.57	.49
504-GDC-500MA	B	.5	250	.62	.42	.36
504-GDC-630MA	B	.63	250	.50	.38	.35
504-GDC-800MA	B	.8	250	.50	.38	.35
504-GDC-1A	B	1	250	.62	.42	.36
504-GDC-1.25A	B	1.25	250	.50	.38	.35
504-GDC-1.6A	B	1.6	250	.62	.42	.36
504-GDC-2A	B	2	250	.62	.42	.36
504-GDC-2.5A	B	2.5	250	.62	.42	.36
504-GDC-3.15A	B	3.15	250	.50	.38	.35
504-GDC-4A	B	4	250	.50	.38	.35
504-GDC-5A	B	5	250	.62	.42	.36
504-GDC-6.3A	B	6.3	250	.50	.38	.35

GMC Series Medium Time Delay Fuses

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each 1	100	50
504-GMC-125MA	B	1/8	250	1.03	.77	.7
504-GMC-1/4	B	1/4	250	.74	.49	.4
504-GMC-1/2	B	1/2	250	.57	.38	.3
504-GMC-3/4	B	3/4	250	.46	.34	.3
504-GMC-8/10	B	8/10	250	.46	.34	.3
504-GMC-1	B	1	250	.57	.38	.3
504-GMC-2	B	2	250	.57	.38	.3
504-GMC-2-1/2	B	2 1/2	250	.57	.38	.3
504-GMC-3	B	3	250	.57	.38	.3
504-GMC-3.15	B	3-15/100	250	.46	.34	.3
504-GMC-3-1/2	B	3 1/2	125	.46	.34	.3
504-GMC-4	B	4	125	.57	.38	.3
504-GMC-5	B	5	125	.57	.38	.3
504-GMC-6	B	6	125	.57	.38	.3
504-GMC-7	B	7	125	.57	.38	.3
*504-GMC-8	B	8	125	.57	.38	.3
*504-GMC-10	B	10	125	.57	.38	.3

GDB Series Fast Acting/Low Breaking Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each 1	100	500
504-GDB-80MA	B	.08	250	.91	.68	.64
504-GDB-100MA	B	.1	250	.91	.68	.64
504-GDB-125MA	B	.125	250	.91	.68	.64
504-GDB-160MA	B	.16	250	.52	.39	.36
504-GDB-315MA	B	.315	250	.64	.43	.37
504-GDB-400MA	B	.4	250	.52	.39	.36
504-GDB-500MA	B	.5	250	.20	.14	.13
504-GDB-630MA	B	.63	250	.20	.14	.12
504-GDB-800MA	B	.8	250	.20	.14	.12
504-GDB-1A	B	1	250	.20	.14	.12
504-GDB-1.25A	B	1.25	250	.20	.14	.13
504-GDB-2A	B	2	250	.20	.14	.12
504-GDB-2.5A	B	2.5	250	.20	.14	.13
504-GDB-3.15A	B	3.15	250	.20	.14	.12
504-GDB-4A	B	4	250	.20	.14	.13
504-GDB-5A	B	5	250	.20	.14	.13
504-GDB-6.3A	B	6.3	250	.20	.14	.12
504-GDB-10	B	10	250	.59	.44	.41

GMA Series Fast Acting Fuses

• Accepted worldwide • Recommended for new designs

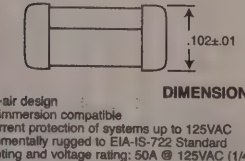
MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each 1	100	500
504-GMA-63MA	B	.063	250	1.14	.76	.65
504-GMA-1/10	B	1/10	250	.53	.36	.31
504-GMA-1/8	B	1/8	250	.53	.36	.31
504-GMA-2/10	B	2/10	250	.66	.43	.34
504-GMA-1/4	B	1/4	250	.53	.36	.31
504-GMA-1/2	B	1/2	250	.29	.20	.17
504-GMA-3/4	B	3/4	250	.29	.20	.17
504-GMA-8/10	B	8/10	250	.29	.20	.17
504-GMA-1	B	1	250	.24	.16	.14
504-GMA-1-1/4	B	1-1/4	250	.24	.17	.15
504-GMA-1-1/2	B	1 1/2	250	.24	.16	.14
504-GMA-1.6	B	1-6/10	250	.24	.17	.15
504-GMA-2	B	2	250	.24	.16	.14
504-GMA-2-1/2	B	2 1/2	250	.24	.16	.14
504-GMA-3	B	3	250	.24	.16	.14
504-GMA-3.15	B	3-15/100	250	.24	.17	.15
504-GMA-3.5	B	3-1/2	250	.24	.17	.15
504-GMA-4	B	4	125	.24	.16	.14
504-GMA-5	B	5	125	.24	.16	.14
504-GMA-6	B	6	125	.24	.16	.14
*504-GMA-7	B	7	125	.24	.16	.14
*504-GMA-8	B	8	125	.24	.16	.14
*504-GMA-10	B	10	125	.24	.16	.14
*504-GMA-15	B	15	125	.24	.16	.14

GMD Series Time Delay, Low Breaking Fuses

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each 1	100	50
504-GMD-125MA	A	0.125	250	1.29	.97	.9
504-GMD-150MA	A	0.15	250	1.29	.97	.9
504-GMD-200MA	A	0.2	250	.61	.46	.4
504-GMD-250MA	A	0.25	250	.61	.46	.4
504-GMD-300	A	0.3	250	.61	.46	.4
504-GMD-315MA	A	0.315	250	.61	.46	.4
504-GMD-400MA	A	0.4	250	.61	.46	.4
504-GMD-500MA	A	0.5	250	.47	.36	.3
504-GMD-600MA	A	0.6	250	.47	.36	.3
504-GMD-630MA	A	0.63	250	.47	.36	.3
504-GMD-750MA	A	0.75	250	.47	.36	.3
504-GMD-800MA	A	0.8	250	.47	.36	.3
504-GMD-1A	A	1	250	.47	.36	.3
504-GMD-1.2A	A	1.2	250	.47	.36	.3
504-GMD-1.25A	A	1.25	250	.47	.36	.3
504-GMD-1.5A	A	1.5	250	.47	.36	.3
504-GMD-1.6A	A	1.6	250	.47	.36	.3
504-GMD-2A	A	2	250	.47	.36	.3
504-GMD-2.5A	A	2.5	250	.47	.36	.3
504-GMD-3A	A	3	250	.47	.36	.3
504-GMD-4A	A	4	250	.47	.36	.3

6125FA SERIES SURFACE MOUNT FAST-ACTING

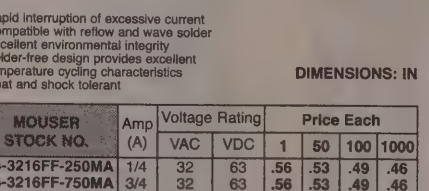


DIMENSIONS: IN

- Wire-in-air design
- Solder immersion compatible
- Overcurrent protection of systems up to 125VAC
- Environmentally rugged to EIA-IS-722 Standard
- Interrupting and voltage rating: 50A @ 125VAC (1/4-12A)

MOUSER STOCK NO.	Amp (A)	Volt (V)	Price Each 1	100
*504-6125FA1A	1	125	.47	.35
*504-6125FA2A	2	125	.81	.66
*504-6125FA4A	4	125	.47	.35

3216FF SERIES FAST-ACTING CHIP FUSES

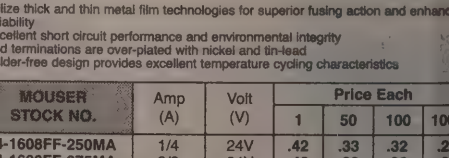


- Rapid interruption of excessive current
- Compatible with reflow and wave solder
- Excellent environmental integrity
- Solder-free design provides excellent temperature cycling characteristics
- Heat and shock tolerant

DIMENSIONS: IN

MOUSER STOCK NO.	Amp (A)	Voltage Rating VAC	VDC	Price Each 1	50	100	1000
504-3216FF-250MA	1/4	32	63	.56	.53	.49	.46
504-3216FF-750MA	3/4	32	63	.56	.53	.49	.46
504-TR/3216FF-1A	1	32	63	.48	.38	.36	.32
504-3216FF-1.5A	1 1/2	32	63	.56	.53	.49	.46
504-3216FF-2A	2	32	63	.48	.38	.36	.32
504-TR/3216FF-3A	3	32	63	.50	.40	.38	.34
504-3216FF-4A	4	32	32	.56	.53	.49	.46
504-TR/3216FF-5A	5	32	63	.48	.38	.36	.32

1608FF SERIES FAST-ACTING CHIP FUSES



DIMENSIONS:

- Utilize thick and thin metal film technologies for superior fusing action and enhanc reliability
- Excellent short circuit performance and environmental integrity
- End terminations are over-plated with nickel and tin-lead
- Solder-free design provides excellent temperature cycling characteristics

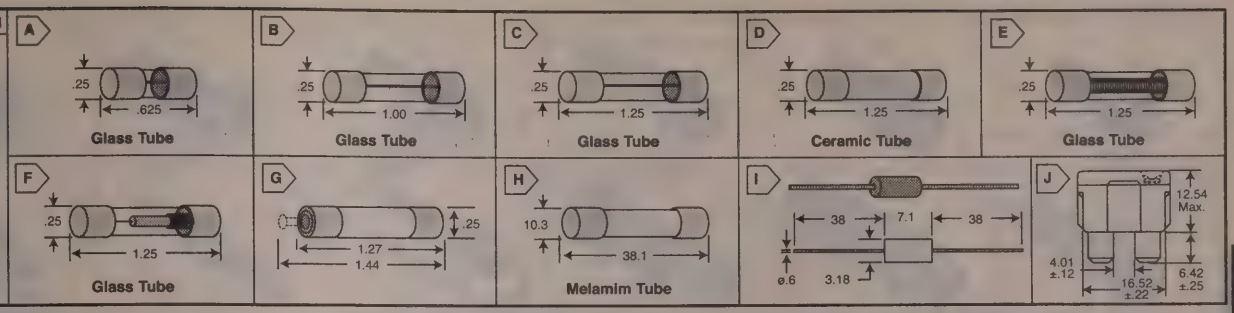
MOUSER STOCK NO.	Amp (A)	Volt (V)	Price Each 1	50	100	10
504-1608FF-250MA	1/4	24V	.42	.33	.32	.2
504-1608FF-375MA	3/8	24V	.42	.33	.32	.2
504-1608FF-500MA	1/2	24V	.42	.33	.32	.2
504-1608FF-750MA	3/4	24V	.42	.33	.32	.2
504-1608FF-1A	1	24V	.42	.33	.32	.2
504-1608FF-1.5A	1.5	24V	.42	.33	.32	.2
504-1608FF-2A	2	24V	.42	.33	.32	.2
504-1608FF-2.5A	2.5	24V	.42	.33	.32	.2
504-1608FF-3A	3	24V	.42	.33	.32	.2
504-1608FF-3.5A	3.5	24V	.42	.33	.32	.2
504-1608FF-4A	4	24V	.42	.33	.32	.2

MOUSER ELECTRONICS a ttl company

DIMENSIONS: IN

All are UL Approved except where noted by an asterisk.

* Not UL Approved or Recognized



1/4" X 5/8"FUSES

AGA Series Fast Acting Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each 1	100	500
504-AGA-1/4	A	1/4	125	1.45	1.09	1.01
504-AGA-3/8	A	3/8	125	1.45	1.09	1.01
504-AGA1/2	A	1/2	125	1.45	1.09	1.01
504-AGA-3/4	A	3/4	125	1.45	1.09	1.01
504-AGA-1	A	1	125	.97	.73	.68
504-AGA-1-1/2	A	1 1/2	125	.97	.73	.68
504-AGA-2	A	2	125	.97	.73	.68
504-AGA-2-1/2	A	2 1/2	125	.97	.73	.68
504-AGA-3	A	3	125	1.21	.80	.69
504-AGA-5	A	5	125	.74	.56	.52
504-AGA-6	A	6	32	.74	.56	.52
504-AGA-7	A	7	32	.74	.56	.52
504-AGA-7-1/2	A	7 1/2	32	.74	.56	.52
504-AGA-10	A	10	32	.74	.56	.52
504-AGA-15	A	15	32	.74	.56	.52
504-AGA-20	A	20	32	.74	.56	.52
504-AGA-25	A	25	32	.74	.56	.52
504-AGA-30	A	30	32	.74	.56	.52

1/4" X 1" FUSES

AGX Series Fast Acting Fuses

For instruments, electronic and small appliance circuits

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each 1	100	500
504-AGX-1/16	B	1/16	250	1.49	1.12	1.04
504-AGX-1/8	B	1/8	250	1.15	.86	.81
504-AGX-3/8	B	3/8	250	.68	.52	.48
504-AGX-1/4	B	1/4	250	.68	.52	.48
504-AGX-1/2	B	1/2	250	.71	.48	.41
504-AGX-1	B	1	250	.42	.28	.24
504-AGX-1-1/2	B	1 1/2	250	.50	.44	.40
504-AGX-2	B	2	250	.42	.28	.24
504-AGX-3	B	3	125	.33	.25	.24
504-AGX-4	B	4	125	.25	.19	.17
504-AGX-5	B	5	125	.31	.21	.18
504-AGX-10	B	10	32	.49	.39	.30
504-AGX-15	B	15	32	.23	.18	.17
504-AGX-20	B	20	32	.23	.18	.17

1/4" X 1-1/4" FUSES

AGC Series Fast Acting Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each 1	100	500
504-AGC-1/16	C	1/16	250	1.73	1.15	.99
504-AGC-1/8	C	1/8	250	.89	.60	.51
504-AGC-3/10	C	3/10	250	.83	.56	.48
504-AGC-1/4	C	1/4	250	.83	.56	.48
504-AGC-3/8	C	3/8	250	.66	.50	.46
504-AGC-1/2	C	1/2	250	.38	.26	.22
504-AGC-3/4	C	3/4	250	.38	.26	.22
504-AGC-8/10	C	8/10	250	.31	.23	.22
504-AGC-1	C	1	250	.24	.16	.14
504-AGC-1-1/4	C	1 1/4	250	.24	.16	.14
504-AGC-1-1/2	C	1 1/2	250	.24	.16	.14
504-AGC-2	C	2	250	.24	.16	.14
504-AGC-V-2	C	2	250	.43	.32	.30
504-AGC-2-1/2	C	2 1/2	250	.24	.16	.14
504-AGC-3/16	C	2-1/4	250	1.07	.80	.75
504-AGC-3	C	3	250	.24	.16	.14
504-AGC-3-1/2	C	3-1/2	250	.24	.17	.15
504-AGC-4	C	4	250	.36	.24	.21
504-AGC-5	C	5	250	.38	.25	.22
504-AGC-6	C	6	250	.38	.25	.22
504-AGC-7	C	7	250	.38	.25	.22
504-AGC-7-1/2	C	7 1/2	250	.52	.27	.25
504-AGC-8	C	8	250	.44	.30	.26
504-AGC-10	C	10	250	.44	.30	.26
†504-AGC-15	C	15	32	.27	.18	.15
†504-AGC-20	C	20	32	.27	.18	.15
†504-AGC-25	C	25	32	.27	.18	.15
†504-AGC-30	C	30	32	.27	.18	.15
†504-AGC-35	C	35	32	.23	.17	.16

1/4" X 1-1/4" FUSES CONT.

ABC Series Fast Acting Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each 1	100	500
504-ABC-2	D	2	250	.51	.39	.36
504-ABC-3	D	3	250	.51	.39	.36
504-ABC-5	D	5	250	.61	.41	.35
504-ABC-6	D	6	250	.49	.37	.34
504-ABC-8	D	8	250	.61	.41	.35
504-ABC-10	D	10	250	.61	.41	.35
504-ABC-12	D	12	250	.61	.42	.36
504-ABC-15	D	15	250	.61	.41	.35
*504-ABC-20	D	20	250	.88	.59	.50
*504-ABC-25	D	25	125	.88	.59	.50
†504-ABC-30	D	30	125	.70	.53	.49

MDL Series Time Delay Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each 1	100	500
†504-MDL-1/16	E	1/16	250	1.38	1.04	.97
†504-MDL-1/10	E	1/10	250	1.10	.83	.77
504-MDL-3/16	E	3/16	250	1.10	.83	.77
504-MDL-15/100	E	15/100	250	1.10	.83	.77
504-MDL-1/8	E	1/8	250	1.38	.92	.79
504-MDL-2/10	E	2/10	250	1.10	.83	.77
504-MDL-1/4	E	1/4	250	.83	.56	.48
504-MDL-3/10	E	3/10	250	.83	.56	.48
504-MDL-4/10	E	4/10	250	.67	.50	.47
504-MDL-3/8	E	3/8	250	.98	.53	.47
504-MDL-8/10	E	8/10	250	.64	.48	.45
504-MDL-1/2	E	1/2	250	.80	.53	.46
504-MDL-6/10	E	6/10	250	.80	.53	.46
504-MDL-3/4	E	3/4	250	.92	.48	.45
504-MDL-1	E	1	250	.80	.53	.46
504-MDL-1-2/10	E	1 2/10	250	.48	.37	.34
504-MDL-1-1/4	E	1 1/4	250	.60	.40	.35
504-MDL-1-1/2	E	1 1/2	250	.60	.40	.35
504-MDL-1-6/10	E	1 6/10	250	.48	.37	.34
504-MDL-1-8/10	E	1 8/10	250	.48	.37	.34
504-MDL-2	E	2	250	.59	.39	.34
504-MDL-2-1/4	E	2 1/4	250	.48	.37	.34
504-MDL-2-1/2	E	2 1/2	250	.60	.40	.35
504-MDL-3	E	3	250	.60	.40	.35
504-MDL-3-2/10	E	3 2/10	250	.48	.37	.34
504-MDL-3-1/2	E	3 1/2	250	.60	.40	.35
504-MDL-4	E	4	250	.60	.40	.35
504-MDL-5	E	5	250	.60	.40	.35
504-MDL-6	E	6	250	.48	.37	.34
504-MDL-6-1/4	E	6 1/4	250	.60	.40	.35
504-MDL-7	E	7	250	.60	.40	.35
504-MDL-8	E	8	250	.60	.40	.35
*504-MDL-10	E	10	32	.89	.60	.51
504-MDL-12A	E	12	32	.70	.53	.49
*504-MDL-15	E	15	32	.89	.60	.51
*504-MDL-20	E	20	32	.89	.60	.51
*504-MDL-25	E	25	32	.71	.54	.50
*504-MDL-30	E	30	32	.71	.54	.50

MDQ SERIES Dual Element Time Delay Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each 1	100	500
504-MDQ-2	F	2	250	2.29	1.71	1.60
504-MDQ-3	F	3	250	2.29	1.71	1.60
504-MDQ-4	F	4	250	2.29	1.71	1.60
504-MDQ-5	F	5	250	2.29	1.71	1.60
504-MDQ-6	F	6	250	2.29	1.71	1.60

1/4" X 1-1/4" FUSES CONT.

MDA Series Time Delay Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each 1	100	500
504-MDA-1	D	1	250	1.19	.90	.83
504-MDA-2	D	2	250	1.19	.90	.83
504-MDA-2-1/2	D	2 1/2	250	.83	.63	.58
504-MDA-3	D	3	250	1.04	.69	.60
504-MDA-4	D	4	250	.83	.63	.58
504-MDA-5	D	5	250	1.04	.69	.60
504-MDA-6-1/4	D	6 1/4	250	.83	.63	.58
504-MDA-7	D	7	250	.83	.63	.58
504-MDA-8	D	8	250	.83	.63	.58
504-MDA-10	D	10	250	1.04	.69	.60
504-MDA-12	D	12	250	.83	.63	.58
†504-MDA-15	D	15	250	1.04	.69	.60
†504-MDA-20	D	20	250	1.04	.69	.60
†504-MDA-30	D	30	250	1.04	.69	.60

GLD Series Fast Acting, Pin-Indicating/ Non Timing Delay Fuse

504-GLD-1/2A	G	1/2	125	5.44	4.07	3.80
504-GLD-1	G	1	125	3.48	2.60	2.43
504-GLD-1-1/2	G	1 1/2	125	3.48	2.60	2.43
504-GLD-2	G	2	125	3.48	2.60	2.43
504-GLD-3	G	3	125	3.48	2.60	2.43
504-GLD-4	G	4	125	3.48	2.60	2.43
504-GLD-5	G	5	125	3.48	2.60	2.43
504-GLD-10	G	10	125	4.55	3.41	3.18
504-GLD-12	G	12	125	6.30	5.99	5.67
504-GLD-15	G	15	125	6.32	4.73	4.42

13/32" X 1 1/2" FUSES

KTK Series Limitron® Fast-Acting Power Fuses

504-KTK-1/2	H	1/2	600	12.06	9.05	8.46
504-KTK-1	H	1	600	11.20	8.40	7.86
504-KTK-3	H	3	600	11.20	8.40	7.86
504-KTK-5	H	5	600	11.20	8.40	7.86
504-KTK-10	H	10	600	11.20	8.40	7.86
504-KTK-12	H	12	600	13.14	9.86	9.22
504-KTK-15	H	15	600	14.00	9.24	8.01
504-KTK-20	H	20	600	11.26	8.45	7.90
504-KTK-25	H	25	600	11.26	8.45	7.90
504-KTK-30	H	30	600	11.26	8.45	7.90

MCRW SERIES FUSES

Fast Acting Axial Lead Fuses

• Subminiature size • Automatic insertion • Hermetically sealed

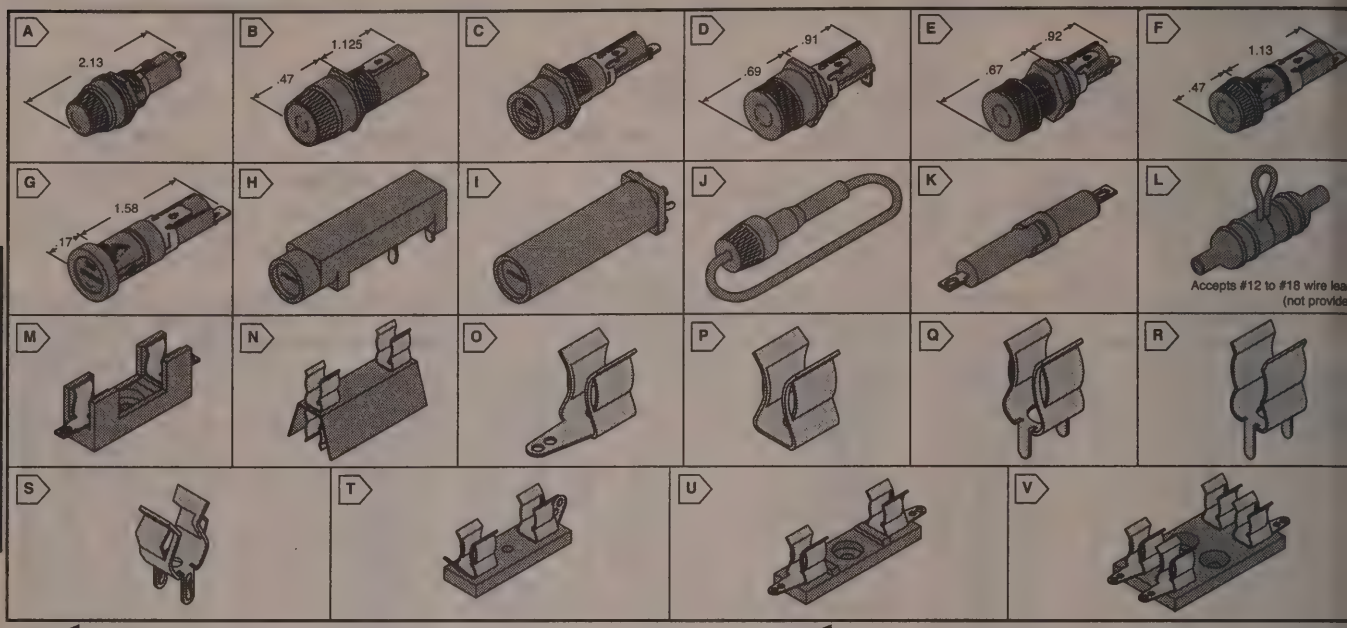
*504-MCRW-125MA	I	1/8	125	.44	.33	.31
*504-MCRW-250MA	I	1/4	125	.44	.33	.31
*504-MCRW-500MA	I	1/2	125	.44	.33	.31
*504-MCRW-1A	I	1	125	.44	.33	.31
*504-MCRW-1-1/2A	I	1 1/2	125	.44	.33	.31
*504-MCRW-2A	I	2	125	.44	.33	.31
*504-MCRW-3A	I	3	125	.44	.33	.31
*504-MCRW-4A	I	4	125	.44	.33	.31
*504-MCRW-5A	I	5	125	.44	.33	.31
*504-MCRW-10A	I	10	125	.44	.33	.31

ATC SERIES FUSES

Blade Type, Fast Acting Fuses

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Color	Price Each 1	100	500
504-ATC-1	J	1	32	Black	.71	.53	.50
504-ATC-2	J	2	32	Gray	.68	.51	.47
504-ATC-3	J	3	32	Violet	.33	.25	.24
504-ATC-4	J	4	32	Pink	.33	.25	.24
504-ATC-5	J	5	32	Tan	.33	.25	.24
504-ATC-7-1/2	J	7.5	32	Brown	.33	.25	.24
504-ATC-10	J	10	32	Red	.33	.25	.24
504-ATC-15	J	15	32	Blue	.33	.25	.24
504-ATC-20	J	20	32	Yellow	.33	.25	.24
504-ATC-25	J	25	32	Clear	.33	.25	.24
504-ATC-30	J	30	32	Green	.33	.25	.24
504-ATC-35	J	35	32	Blade	.55	.42	.39
504-ATC-40	J	40	32	Amber	.33	.25	.24

COOPER / BUSSMANN Fuse Holders, Fuse Clips, and Fuse Blocks



COOPER Bussmann STANDARD PANEL MOUNT FUSE HOLDERS

E14853 47235

Solder Terminals — For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Mounting Position/Type	Profile	Current Rating	Fuse Size (In)	Price Each 1	100	500	1000
504-HJM	A	Front/Hex Nut	Low	5A @ 125V	1/4 X 1	4.83	3.19	2.76	2.65
504-HKP	A	Front/Hex Nut	Low	30A @ 250V	1/4 X 1-1/4	2.41	1.61	1.39	1.32

COOPER Bussmann PANEL MOUNT FUSE HOLDERS

- Flammability rating: UL 94V-0
- Terminal: 3/16" solder/quick connect
- Terminal 1/4" quick connect
- Temperature range: -55°C to 85°C

E14853 47235

Standard (for 1/4" x 1 1/4" Fuses)

MOUSER STOCK NO.	Fig.	Mounting Position/Type	Profile	Current Rating	Rear Terminal	Price Each 1	100	500	1000
504-HTB-22I	B	Rear Hex Nut	Low	15A @ 250V	3/16" Straight	2.39	2.05	1.58	1.43
504-HTB-24I	B	Rear Hex Nut	Low	15A @ 250V	3/16" Rt.Angle	2.39	2.05	1.58	1.43
504-HTB-26I	B	Rear Hex Nut	Low	20A @ 250V	1/4" Straight	2.31	1.54	1.33	1.26
504-HTB-28I	B	Rear Hex Nut	Low	20A @ 250V	1/4" Rt.Angle	2.32	1.55	1.34	1.27
504-HTB-32I	C	Rear Hex Nut	Low	15A @ 250V	3/16" Straight	2.17	1.45	1.25	1.19
504-HTB-34I	C	Rear Hex Nut	Low	15A @ 250V	3/16" Rt.Angle	2.17	1.45	1.25	1.19
504-HTB-36I	C	Rear Hex Nut	Low	20A @ 250V	1/4" Straight	2.31	1.54	1.33	1.26
504-HTB-42I	D	Rear Hex Nut	High	15A @ 250V	3/16" Straight	2.41	1.61	1.39	1.32
504-HTB-44I	D	Rear Hex Nut	High	15A @ 250V	3/16" Rt.Angle	2.54	1.69	1.46	1.39
504-HTB-46I	D	Rear Hex Nut	High	20A @ 250V	1/4" Straight	2.71	1.81	1.56	1.49
504-HTB-48I	D	Rear Hex Nut	High	20A @ 250V	1/4" Rt.Angle	2.71	1.81	1.56	1.49
504-HTB-54I	C	Rear Hex Nut	High	15A @ 250V	3/16" Rt.Angle	1.73	1.31	1.22	1.17
504-HTB-56I	C	Rear Hex Nut	High	20A @ 250V	1/4" Straight	2.31	1.54	1.33	1.26
504-HTB-58I	C	Rear Hex Nut	High	20A @ 250V	1/4" Rt.Angle	1.85	1.39	1.30	1.25
504-HTB-62I	E	Front Hex Nut	High	15A @ 250V	3/16" Straight	2.31	1.54	1.33	1.26
504-HTB-64I	E	Front Hex Nut	High	15A @ 250V	3/16" Rt.Angle	1.85	1.39	1.30	1.25
504-HTB-66I	E	Front Hex Nut	High	20A @ 250V	1/4" Straight	1.96	1.48	1.38	1.33
504-HTB-82I	F	Front Snap-In	Low	15A @ 250V	3/16" Straight	1.85	1.40	1.30	1.25
504-HTB-86I	F	Front Snap-In	Low	20A @ 250V	1/4" Straight	2.01	1.50	1.41	1.36
504-HTB-88I	F	Front Snap-In	Low	20A @ 250V	1/4" Rt.Angle	2.01	1.50	1.41	1.36
504-HTB-92I	G	Front Snap-In	Low	15A @ 250V	3/16" Straight	1.85	1.40	1.30	1.25
504-HTB-98I	G	Front Snap-In	Low	20A @ 250V	1/4" Rt.Angle	2.49	1.86	1.74	1.68

Miniature (for 5mm x 20mm Fuses)

MOUSER STOCK NO.	Fig.	Mounting Position/Type	Profile	Current Rating	Rear Terminal	Price Each 1	100	500	1000
504-HTB-22M	D	Rear Hex Nut	High	16A @ 250V	3/16" Straight	1.85	1.40	1.30	1.25
504-HTB-26M	B	Rear Hex Nut	Low	16A @ 250V	1/4" Straight	2.61	1.74	1.50	1.43
504-HTB-28M	B	Rear Hex Nut	Low	16A @ 250V	1/4" Rt.Angle	2.09	1.56	1.46	1.41
504-HTB-32M	C	Rear Hex Nut	Low	15A @ 250V	3/16" Straight	2.32	1.55	1.33	1.27
504-HTB-36M	C	Rear Hex Nut	Low	16A @ 250V	1/4" Straight	2.61	1.74	1.50	1.43
504-HTB-38M	C	Rear Hex Nut	Low	16A @ 250V	1/4" Rt.Angle	2.09	1.56	1.46	1.41
504-HTB-42M	D	Rear Hex Nut	High	15A @ 250V	3/16" Straight	1.82	1.37	1.27	1.23
504-HTB-46M	D	Rear Hex Nut	High	16A @ 250V	1/4" Straight	2.33	1.74	1.63	1.57
504-HTB-56M	C	Rear Hex Nut	High	16A @ 250V	1/4" Straight	2.09	1.56	1.46	1.41
504-HTB-62M	E	Front Hex Nut	High	15A @ 250V	3/16" Straight	1.85	1.40	1.30	1.25
504-HTB-82M	F	Front Snap-In	Low	15A @ 250V	3/16" Straight	1.85	1.40	1.30	1.25
504-HTB-92M	G	Front Snap-In	Low	15A @ 250V	3/16" Straight	1.85	1.40	1.30	1.25

COOPER Bussmann FUSE HOLDERS AND CLIPS

PCB Fuse Holders

- "Kicked" terminals for optimum wave soldering
- Anti-wicking terminals

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Fig.	Fuse Size	Current Rating	Price Each 1	50	100	500
504-HBH-I	H	1/4" x 1-1/4"	12A @ 250V	2.45	1.86	1.63	1.41
504-HBV-I	I	1/4" x 1-1/4"	12A @ 250V	3.84	2.92	2.56	2.21
504-HBH-M	H	5mm x 20mm	12A @ 250V	3.19	2.42	2.13	1.83
504-HBV-M	I	5mm x 20mm	12A @ 250V	3.94	3.00	2.63	2.27

In-Line Fuse Holders ✱Leads not supplied — For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Fig.	Fuse Size	Lead Lth. (In.)	Price Each 1	50	100	500
504-HRK	J	Accepts all 1/4" fuses,	8	2.71	2.06	1.81	1.56
504-HMJ	J	5/8" through 1 1/4" long	8	2.71	2.06	1.81	1.56
504-HFA	K	Waterproof 1/4x1-1/4"	- - -	10.86	8.68	8.15	7.62
504-HFB	L	1/4 X 1 1/4" waterproof	- - -	4.65	3.53	3.10	2.67

Fuse Blocks

- 1/4" x 1 1/4" fuse size
- Anti-pivot barrier
- Spring-bronze clips
- Totally sealed base

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Fig.	Description	Price Each 1	50	100	500
504-S-8001-1	M	Solder terminal	.87	.66	.58	.50
504-S-8002-12	M	For 1/4 x 1-1/4"	9.36	7.11	6.24	5.38
504-S-8101-1	M	3/16" quick connect	.72	.57	.54	.51
504-S82022	M	For 1/4 x 1-1/4"	1.81	1.37	1.21	1.04

COOPER Bussmann FUSE CLIPS AND BLOCKS

E14853A

Twin Clips

Makes it unnecessary to replace blown pigtail fuse by cutting or soldering. Twin-clips snap on the blown fuse.

For quantities of 10 and up, call for quo

MOUSER STOCK NO.	Fig.	Fuse Size	Price Each 1	50	100	500
504-3434	N	5/8" to 1 1/4" long; insulated	2.17	1.73	1.62	1.52

Fuse Clips • Made of spring bronze

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Fig.	Description	Price Each 1	50	100	500
504-5678-14	O	1/4" solder terminal	.15	.13	.11	.09
504-5682-41	P	1/4" screw mount	.12	.10	.09	.08
504-1A1119-10	Q	1/4" PC mount with stop	.20	.15	.13	.12
504-1A1120-10	R	1/4" PC mount	.20	.15	.13	.12
504-1A1907-06	Q	For 1/4" Diameter	.13	.10	.09	.08
504-1A3399-10	S	5mm PC mount with stop	.15	.11	.10	.09
504-1A3400-09	Q	For 13/32" Diameter	.34	.27	.25	.24

- Molded bakelite base
- Beryllium copper solder terminal
- Silver plated clips

For quantities of 1000 and up, call for qua

MOUSER STOCK NO.	Fig.	Description	Current Rating	Price Each 1	50	100	500
504-3828-1	T	1" fuse size	30A @ 250	2.33	1.86	1.74	1.63
504-4405	U	1 1/4" fuse size	30A @ 250	3.88	2.95	2.56	2.22
504-4408	V	1 1/4" fuse size	30A @ 250	8.55	6.50	5.65	4.90

EAGLE PLASTIC DEVICES Fuse Blocks and Fuse Clips

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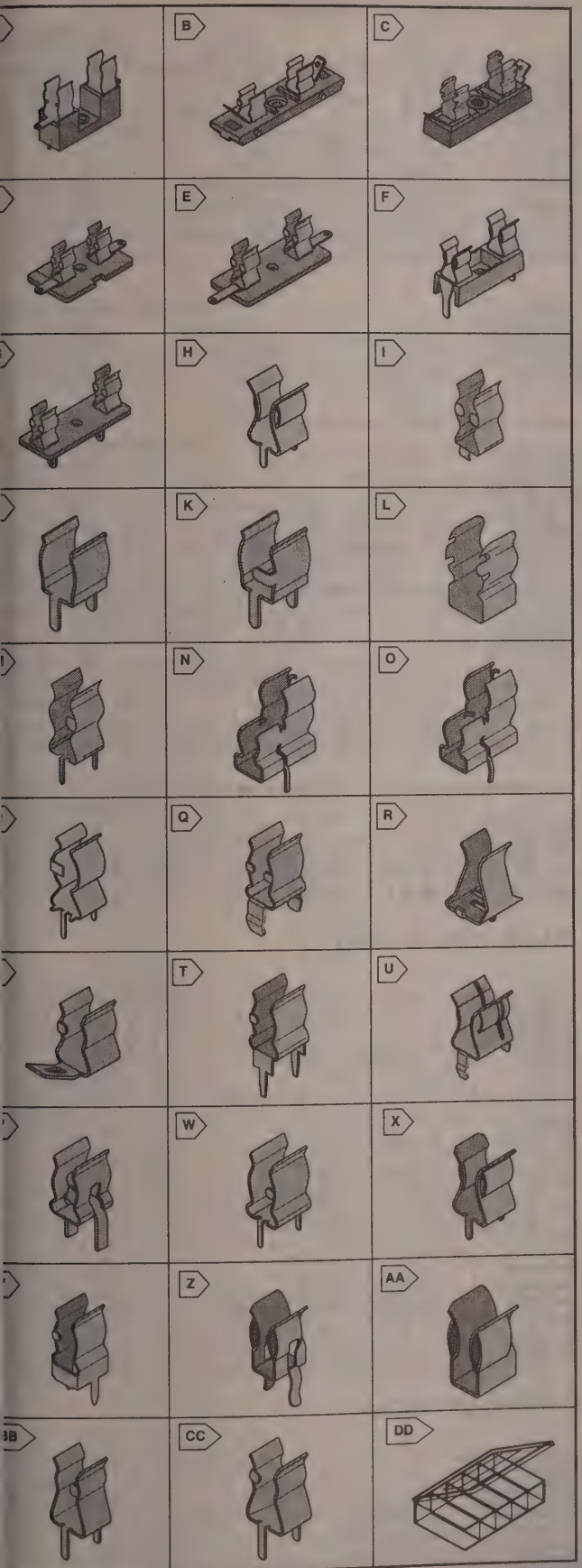
eagle plastic devices



FUSE BLOCKS

*UL, CSA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Fuse Size	Contact Plating	Price Each 1	100	500	1000
441-4454	A	5mm X 20mm Fuses	Nickel	.93	.71	.65	.59
*441-R345A	B	8A 125/250V 5mm X 20mm Fuses	Nickel	.93	.71	.65	.59
*441-R345B	C	10A @ 250VAC 1/4" x 1 1/4"	Nickel	.93	.71	.65	.59
441-EPD201NI	C	30A @ 250VAC 1/4" x 1 1/4"	- - -	.85	.61	.51	.39
441-EPD200H	D	6.3A @ 250VAC 5mm X 20mm Fuses	- - -	.34	.24	.20	.15
441-EPD201H	E	10A @ 250VAC 1/4" x 1 1/4"	- - -	.34	.24	.20	.15
441-EPD2005	F	6.3A @ 250VAC 5mm X 20mm Fuses	- - -	.24	.17	.14	.11
441-EPD201V	G	10A @ 250VAC 1/4" x 1 1/4"	- - -	.34	.24	.20	.15

PC MOUNT FUSE CLIPS

1/4" PC Mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Fuse Size	Contact Plating	Price Each 1	100	500	1000
44FH053	H	1/4", 15A, Ear Type	Nickel	.19	.16	.15	.14
441-EPD205B	I	1/4", 15A, Ear Type	Tin	.11	.08	.07	.05
441-EPD205D	J	1/4", 15A, Ear Type	Tin	.08	.06	.05	.04
441-EPD205DHN	K	1/4", 15A, Ear Type	Tin	.11	.08	.07	.05
441-EPD205E	L	1/4", 15A, Ear Type	Tin	.11	.08	.07	.05
441-EPD205SPPN	M	1/4", 15A, Ear Type	Tin	.11	.08	.07	.05
441-EPD218A	N	1/4 or 5mm, 10A	Tin	.11	.08	.07	.05
441-EPD218R	O	1/4 or 5mm, 10A	Tin	.11	.08	.07	.05

5mm PC Mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Fuse Size	Contact Plating	Price Each 1	100	500	1000
44FH052	P	5mm	Silver	.11	.08	.07	.06
441-EPD203B	Q	5mm, 10A, Ear Type	Tin	.08	.06	.05	.04
441-EPD203D	R	5mm, 6.3A	Tin	.08	.06	.05	.04
441-EPD203E	S	5mm, 15A, Ear type	Tin	.14	.10	.08	.06
441-EPD203H	T	5mm, 6.3A	Tin	.08	.06	.05	.04
441-EPD203K	U	5mm, 10A	Tin	.11	.08	.07	.05
441-EPD203LR	V	5mm, 10A, Ear Type	Tin	.07	.05	.04	.03
441-EPD203P	W	5mm, 10A, Ear Type	Tin	.07	.05	.04	.03
441-EPD203S	X	5mm, 10A, Ear Type	Tin	.08	.06	.05	.04
441-EPD203SF	X	5mm, 10A, Ear Type	Tin	.07	.05	.04	.03
441-EPD203SP	W	5mm, 10A, Ear Type	Tin	.07	.05	.04	.03
441-EPD203T	Y	5mm, 10A, Ear Type	Tin	.07	.05	.04	.03
441-EPD450	Z	4.5 or 5mm, 10A	Tin	.07	.05	.04	.03
441-EPD450D	AA	4.5 or 5mm, 10A	Tin	.07	.05	.04	.03

3.6mm PC Mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Fuse Size	Contact Plating	Price Each 1	100	500	1000
441-EPD301A	BB	3.6mm, 6.3A, Ear	Tin	.07	.05	.04	.03
441-EPD301B	CC	3.6mm, 6.3A, Ear	Tin	.07	.05	.04	.03

KITS

441-EPDKIT09
- 1/4" PCB Mnt fuse clip — 240 PCS
- 5mm PCB Mnt fuse clip — 360 PCS
- 4.5/5mm fuse clip — 100 PCS
- ATQ type blade fuse clip T/R — 100 PCS
- 5mm PCB Mnt fuse clip T/R — 30 PCS
- 3.6mm PCB Mnt fuse clip — 100 PCS
- AST Mini blade fuse clip — 100 PCS
- Multi clip 5mm/6.3mm — 20 PCS

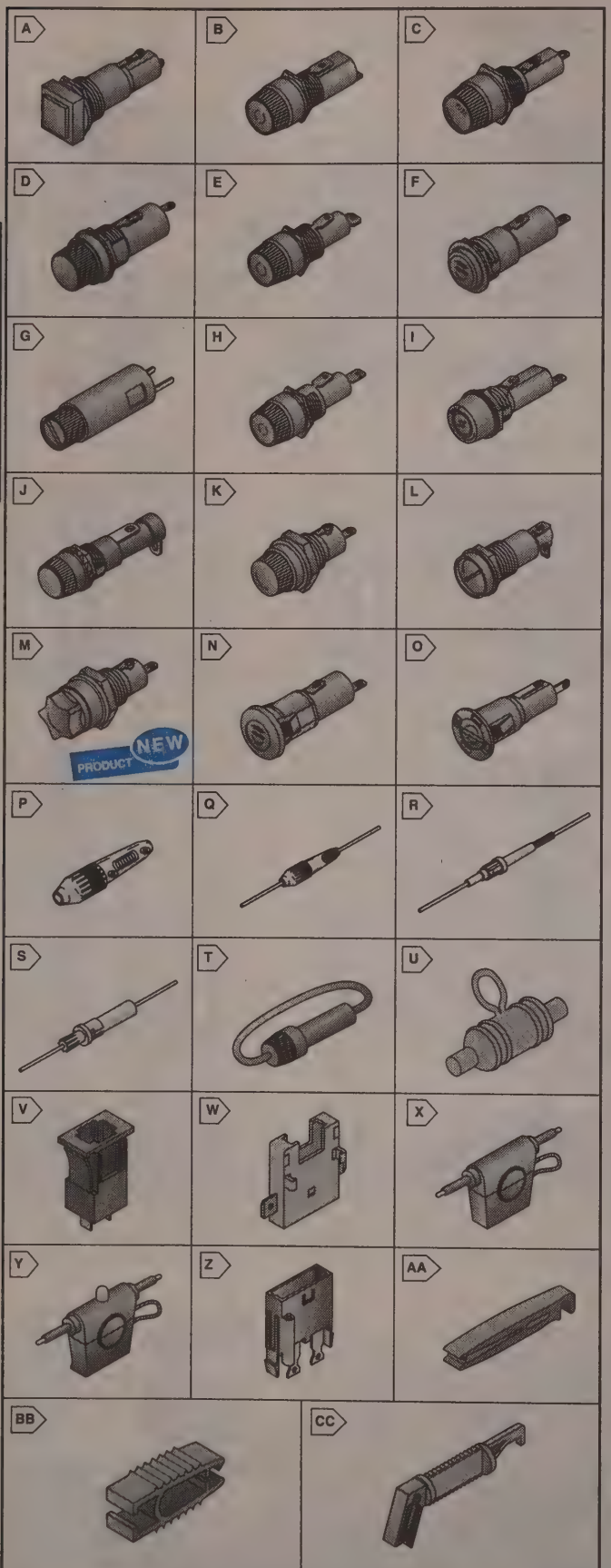
441-EPDKIT10
- 5 x 20mm fuse block — 60 PCS
- fuse block covers — 60 PCS

441-EPDKIT11
- 5 x 20mm fuse block — 60 PCS
- Blade fuse block — 60 PCS
- fuse block covers — 35 PCS

* 6 Types of Each In Kit

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Descriptions	Price Each 1	100	500	1000
*441-EPDKIT09	DD	5X20mm, 6X32mm, PC Mnt Special	71.62	65.11	54.26	45.22
441-EPDKIT10	DD	5X20mm, PC Mnt Types, Fuse Blk Covers	23.74	21.58	17.98	14.98
441-EPDKIT11	DD	5X20mm, Blade Type, Fuse Block Covers	38.81	35.28	29.40	24.50



PANEL MOUNT FUSE HOLDERS

Standard (for 1/4" x 1 1/4" Fuses)

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Fig.	Cap Color	Rating	UL File No.	CSA File No.	Price Each 1	100	500	10
44FH111	A	White	6A @ 250VAC	E43163	------	1.69	1.41	1.28	1.1
44FH112	A	Red	6A @ 250VAC	E43163	------	1.69	1.41	1.28	1.1
44FH113	A	Black	6A @ 250VAC	E43163	------	1.69	1.41	1.28	1.1
44FH030	B	Black	15A @ 250VAC	E46754	LR30024	2.06	1.72	1.56	1.4
441-FH001	C	Black	15A @ 250VAC	E46754	LR30024	1.39	1.16	1.06	.9
441-R3-13	D	Black	10A @ 250VAC	E72169	LR46728X	1.49	1.22	1.09	.9
441-R314A	E	Black	10A @ 250VAC	E72169	LR46728	1.40	1.23	1.13	1.0
441-R344A	F	Black	15A @ 250VAC	E72169	------	1.30	1.08	.98	.8

Midget

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Fig.	Cap Color	Rating	UL File No.	CSA File No.	Price Each 1	100	500	10
441-R324	G	Black	10A @ 125V	E72169	------	1.12	1.02	.91	.8

Quick-Connect (for 1/4" x 1 1/4" Fuses)

• .250" faston terminal

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Fig.	Cap Color	Rating	UL File No.	CSA File No.	Price Each 1	100	500	10
441-R314C	H	Black	10A @ 250VAC	E72169	LR46728	1.46	1.38	1.27	1.1
441-R353	I	Black	15A @ 250VAC	E72169	------	1.73	1.44	1.31	1.1
441-R328	J	Red	15A @ 250VAC	E72169	------	1.44	1.19	1.09	.9

Miniature (for 5mm x 20mm Fuses)

• .187" faston terminal

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Fig.	Cap Color	Rating	UL File No.	CSA File No.	Price Each 1	100	500	10
441-R3-12	K	Black	10A @ 250VAC	E72169	LR46728X	1.69	1.43	1.29	1.2
441-0201	L	Black	10A @ 250VAC	E89872	LR59229	2.00	1.67	1.51	1.3
441-R344B	F	Black	15A @ 250VAC	E72169	------	1.30	1.08	.98	.8
441-R311	L	Black	10A @ 250VAC	E72169	------	1.48	1.23	1.12	1.0
441-R26	M	Black	3A @ 250VAC	E67774	LR45R8	2.18	1.67	1.29	.6

Snap-In Mounting (for 1/4" x 1 1/4" and 5mm x 20mm Fuses)

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Fig.	Cap Color	Rating	UL File No.	Fuse Size	Price Each 1	100	500	10
441-R349A	N	Black	10A @ 250VAC	E72169	1/4" x 1 1/4"	1.30	1.08	.98	.8
441-R354	O	Black	6.3A @ 250VAC	E72169	5mm x 20mm	1.30	1.08	.98	.8

IN-LINE FUSE HOLDERS

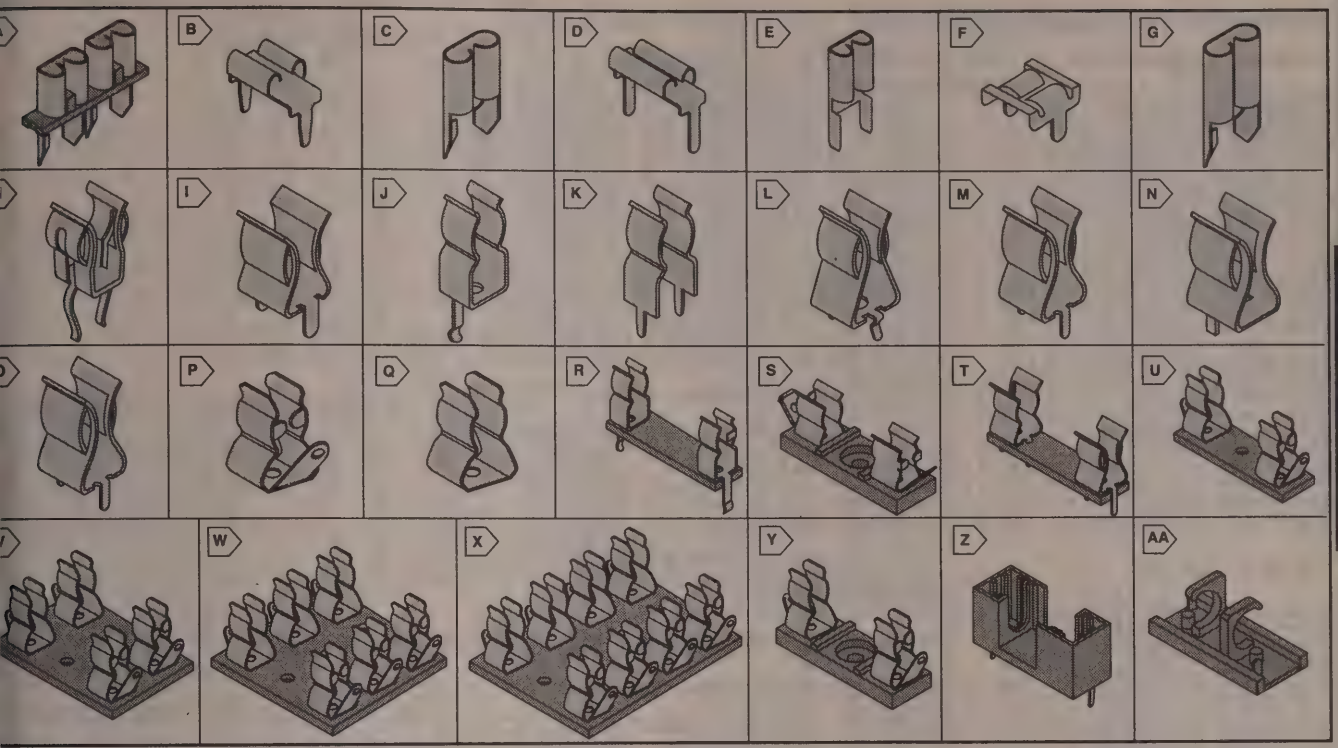
For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Fig.	Description	Lead Length (In.)	Price Each 1	100	500	10
44FH299	P	1/4"x1 1/14" Clear w/o leads	---------	1.06	.82	.74	.
44FH019	Q	1/4"x1 1/14" Clear	18	2.71	2.26	2.06	1.
44FH497	R	1/4"x1", 1/4" x1 1/4", or 5 x 20mm	18	1.41	1.17	1.06	.
44FH498	R	1/4"x1", 1/4" x1 1/4", or 5 x 20mm	18	1.41	1.17	1.06	.
44FH499	S	1/4" x 1 1/4" white w/red lead	18	1.33	1.11	1.00	.
441-R332A	T	5 x 20mm black w/red leads	7.9	1.12	1.02	.91	.
441-R332B	T	1/4" x 1 1/4" black w/red lead	7.9	1.12	1.02	.91	.
441-EPD209F2	U	10A in-line 12-18AWG	---------	.57	.41	.34	.
441-EPD211P	V	ATQ Type Blade, 30A, Snap-in Type	---------	2.74	1.96	1.63	1.
441-EPD211TN	W	ATQ Type Blade, 30A, Interlock Type	---------	.64	.46	.38	.
441-R347A	X	30A 32VDC In-line 12AWG	---------	1.48	1.23	1.12	1.
441-R347B	X	20A 32VDC In-line 14AWG	---------	1.48	1.23	1.12	1.
441-R347C	X	15A 32VDC In-line 16AWG	---------	1.48	1.23	1.12	1.
441-R347D	X	10A 32VDC In-line 18AWG	---------	1.48	1.23	1.12	1.
441-R359A	Y	30A 24VDC In-line 12AWG W/LED	---------	1.85	1.54	1.39	1.
441-R359B	Y	20A 24VDC In-line 14AWG W/LED	--------	1.85	1.54	1.39	1.
441-R359C	Y	15A 24VDC In-line 16AWG W/LED	---------	1.85	1.54	1.39	1.
441-R359D	Y	10A 24VDC In-line 18AWG W/LED	---------	1.85	1.54	1.39	1.
441-R352	Z	20A 24VDC PC mount	---------	.93	.71	.65	.

FUSE PULLER TOOLS

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Fig.	Description	Price Each 1	100	500	10
441-EPD213	AA	Dual Fuse Puller	.43	.31	.26	.2
441-EPD223	BB	Dual Fuse Puller	.56	.40	.33	.2
441-EPD224	CC	Dual Fuse Puller	.49	.35	.29	.2



KEYSTONE FUSE HOLDERS AND CLIPS

Fuse Holders and Clips

Mini blade holders and clips are compatible with Littelfuse • Thru hole PC mountable
.205" x .025" standard and .110" x .032" mini blade fuses, suitable for 15 amp applications
.12" x .032" maxi blade fuses, suitable for 30 amp applications

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Fig.	Mount Type	Fuse Size	Description	Price Each				
						1	100	500	1000	2000
534-3522-2	3522-2	A	Vertical	.205" x .025"	Standard blade fuse holder	.72	.36	.33	.27	.24
534-3550	3550	B	Horizontal	.205" x .025"	Standard blade horiz. clip	.52	.26	.24	.13	.12
534-3546	3546	B	Horizontal	.205" x .020"	Standard blade horiz. clip	.52	.26	.24	.13	.12
534-3522	3522	C	Vertical	.205" x .025"	Standard blade vertical clip	.18	.09	.08	.06	.052
534-3544-2	3544-2	A	Vertical	.110" x .032"	Mini blade fuse holder	.76	.38	.35	.29	.26
534-3549	3549	D	Horizontal	.110" x .032"	Mini blade horizontal clip	.50	.25	.23	.13	.12
534-3545	3545	D	Horizontal	.110" x .020"	Mini blade horizontal clip	.50	.25	.228	.129	.12
534-3544	3544	E	Vertical	.110" x .032"	Mini blade vertical clip	.18	.09	.08	.06	.05
534-3547	3547	B	Horizontal	.250" x .032"	Standard blade horiz. clip	.54	.274	.25	.142	.136
534-3564	3564	F	Vertical	.110" x .032"	Mini blade vertical clip	.18	.09	.08	.06	.05
534-3534	3534	E	Vertical	.110" x .020"	Mini blade vertical clip	.18	.09	.071	.06	.054
534-3555	3555	G	Vertical	.312" x .032"	Maxi blade vertical clip	.20	.10	.08	.07	.061

Fuse Clips

Snap-fit and press fit designs for wave soldering • Rivet mount design • Low contact resistance
Economical and easy to assemble • Low profile space saving design • Rivet mount design with solder lugs

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Fig.	Mount Type	Fuse Size	Description	Price Each				
						1	100	500	1000	2000
534-3521	3521	H	Press	5mm	.016" Tinned brass	.14	.07	.06	.05	.044
534-3517	3517	I	Press	5mm	.02" Tinned brass	.12	.07	.06	.05	.044
534-3520	3520	J	Rivet	5mm	.016" Tinned brass	.12	.07	.06	.05	.044
534-3519	3519	K	Press	5mm	.016" Tinned brass	.12	.07	.06	.05	.044
534-3513	3513	L	Snap-In	1/4"	.02" Tinned brass	.19	.10	.08	.07	.061
534-3529	3529	M	Press	1/4"	.02" Tinned brass	.12	.07	.06	.05	.044
534-3530	3530	N	Press	1/4"	.02" Tinned brass	.25	.12	.10	.08	.07
534-3515	3515	O	Snap-In	1/4"	.02" Tinned brass	.16	.08	.06	.05	.04
534-3535	3535	P	Rivet	1/4"	.02" Tinned brass	.27	.14	.12	.08	.07
534-3531	3531	Q	Rivet	1/4"	.02" Tinned brass	.17	.09	.07	.06	.05

KEYSTONE MOLDED BASE FUSE BLOCKS

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Fig.	No. of Fuses	Fuse Size	Description	Price Each				
						1	100	500	1000	2000
534-3527	3527	R	1	5mm x 20mm	Snap-fit PCB fuse holder	1.02	.51	.43	.35	.30
534-4243	4243	S	1	1/4" x 1 1/4"	Fuse holder w/.250" quick disc.	3.06	1.53	1.33	.82	.70
534-4245	4245	T	1	1/4" x 1 1/4"	PCB fuse holder	1.09	.55	.45	.37	.32
534-3536	3536	U	1	1/4" x 1 1/4"	Fuse holder for 1 fuse	1.28	.64	.53	.44	.38
534-3537	3537	V	2	1/4" x 1 1/4"	Fuse holder for 2 fuses	2.28	1.14	.94	.78	.62
534-3538	3538	W	3	1/4" x 1 1/4"	Fuse holder for 3 fuses	3.22	1.61	1.39	1.12	.94
534-3539	3539	X	4	1/4" x 1 1/4"	Fuse holder for 4 fuses	4.24	2.12	1.83	1.47	1.15
534-3523	3523	Y	1	1/4" x 1 1/4"	Fuse holder UL 94V-0	1.40	.70	.59	.49	.41
534-4527	4527	Z	1	5mm x 20mm	Low profile pcb fuse holder	.63	.31	.29	.16	.14
534-4527C	4527C	AA	N/A	—	Cover for 534-4527	.26	.131	.12	.07	.06
534-3526	3526	U	1	1/4" x 1 1/4"	3AG Fuse Holder, UL 94V-0	1.52	.80	.69	.60	.56

WICKMANN® TR5® SUBMINIATURE FUSES

370 Series - Quick Acting

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-3700050000	3700050000	0.05	250	1.34	1.18	1.10	1.02
576-3700063000	3700063000	0.06	250	1.02	.90	.84	.78
576-3700080000	3700080000	0.08	250	.95	.84	.78	.73
576-3700100000	3700100000	0.10	250	.24	.21	.20	.18
576-3700125000	3700125000	0.13	250	.24	.21	.20	.18
576-3700160000	3700160000	0.16	250	.24	.21	.20	.18
576-3700200000	3700200000	0.20	250	.24	.21	.20	.18
576-3700250000	3700250000	0.25	250	.24	.21	.20	.18
576-3700315000	3700315000	0.32	250	.24	.21	.20	.18
576-3700400000	3700400000	0.40	250	.24	.21	.20	.18
576-3700500000	3700500000	0.50	250	.24	.21	.20	.18
576-3700630000	3700630000	0.63	250	.24	.21	.20	.18
576-3700800000	3700800000	0.80	250	.24	.21	.20	.18
576-3701100000	3701100000	1.00	250	.24	.21	.20	.18
576-3701125000	3701125000	1.25	250	.24	.21	.20	.18
576-3701160000	3701160000	1.60	250	.24	.21	.20	.18
576-3701200000	3701200000	2.00	250	.24	.21	.20	.18
576-3701250000	3701250000	2.50	250	.24	.21	.20	.18
576-3701315000	3701315000	3.15	250	.24	.21	.20	.18
576-3701400000	3701400000	4.00	250	.24	.21	.20	.18
576-3701500000	3701500000	5.00	250	.24	.21	.20	.18
576-3701630000	3701630000	6.30	250	.24	.21	.20	.18

372 Series - Time Lag

576-3720040000	3720040000	0.04	250	.41	.37	.34	.32
576-3720050000	3720050000	0.05	250	.37	.33	.31	.29
576-3720063000	3720063000	0.06	250	.35	.31	.29	.27
576-3720080000	3720080000	0.08	250	.33	.29	.27	.25
576-3720100000	3720100000	0.10	250	.33	.30	.28	.26
576-3720125000	3720125000	0.13	250	.32	.28	.26	.24
576-3720160000	3720160000	0.16	250	.32	.28	.26	.24
576-3720200000	3720200000	0.20	250	.31	.28	.26	.24
576-3720250000	3720250000	0.25	250	.30	.27	.25	.23
576-3720315000	3720315000	0.32	250	.28	.25	.23	.21
576-3720400000	3720400000	0.40	250	.30	.26	.24	.23
576-3720500000	3720500000	0.50	250	.29	.25	.24	.22
576-3720630000	3720630000	0.63	250	.28	.25	.23	.21
576-3720800000	3720800000	0.80	250	.28	.25	.23	.21
576-3721100000	3721100000	1.00	250	.27	.24	.23	.21
576-3721125000	3721125000	1.25	250	.27	.24	.23	.21
576-3721160000	3721160000	1.60	250	.28	.25	.23	.22
576-3721200000	3721200000	2.00	250	.29	.25	.24	.22
576-3721250000	3721250000	2.50	250	.28	.25	.23	.21
576-3721315000	3721315000	3.15	250	.28	.25	.23	.22
576-3721400000	3721400000	4.00	250	.30	.26	.25	.23
576-3721500000	3721500000	5.00	250	.31	.27	.25	.24
576-3721630000	3721630000	6.30	250	.31	.27	.25	.24

373 Series - Quick Acting

576-3730050000	3730050000	0.05	250	1.73	1.54	1.42	1.32
576-3730063000	3730063000	0.06	250	1.11	.98	.91	.85
576-3730080000	3730080000	0.08	250	1.08	.96	.89	.83
576-3730100000	3730100000	0.10	250	.26	.23	.21	.20
576-3730125000	3730125000	0.13	250	.26	.23	.21	.20
576-3730160000	3730160000	0.16	250	.26	.23	.22	.20
576-3730200000	3730200000	0.20	250	.26	.23	.21	.20
576-3730250000	3730250000	0.25	250	.26	.23	.21	.20
576-3730315000	3730315000	0.32	250	.26	.23	.21	.20
576-3730400000	3730400000	0.40	250	.26	.23	.21	.20
576-3730500000	3730500000	0.50	250	.26	.23	.22	.20
576-3730630000	3730630000	0.63	250	.26	.23	.21	.20
576-3730800000	3730800000	0.80	250	.26	.23	.21	.20
576-3731100000	3731100000	1.00	250	.26	.23	.21	.20
576-3731125000	3731125000	1.25	250	.26	.23	.21	.20
576-3731160000	3731160000	1.60	250	.26	.23	.21	.20
576-3731200000	3731200000	2.00	250	.26	.23	.21	.20
576-3731250000	3731250000	2.50	250	.26	.23	.21	.20
576-3731315000	3731315000	3.15	250	.26	.23	.21	.20
576-3731400000	3731400000	4.00	250	.26	.23	.21	.20
576-3731500000	3731500000	5.00	250	.26	.23	.21	.20
576-3731630000	3731630000	6.30	250	.26	.23	.21	.20
576-3731800000	3731800000	8.00	250	.26	.23	.21	.20
576-3732100000	3732100000	10.00	250	.26	.23	.22	.20

374 Series - Time Lag

576-3740050000	3740050000	0.05	250	.52	.46	.43	.40
576-3740063000	3740063000	0.06	250	.58	.51	.47	.44
576-3740080000	3740080000	0.08	250	.44	.39	.37	.34
576-3740100000	3740100000	0.10	250	.47	.41	.38	.36
576-3740125000	3740125000	0.13	250	.45	.40	.37	.35
576-3740160000	3740160000	0.16	250	.39	.35	.32	.30
576-3740200000	3740200000	0.20	250	.39	.35	.32	.30
576-3740250000	3740250000	0.25	250	.35	.31	.29	.27
576-3740315000	3740315000	0.32	250	.34	.31	.28	.26

374 Series - Time Lag (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-3740400000	3740400000	0.40	250	.33	.29	.27	.25
576-3740500000	3740500000	0.50	250	.31	.28	.26	.24
576-3740630000	3740630000	0.63	250	.31	.27	.25	.24
576-3740800000	3740800000	0.80	250	.30	.26	.24	.23
576-3741100000	3741100000	1.00	250	.30	.26	.25	.23
576-3741125000	3741125000	1.25	250	.30	.26	.24	.23
576-3741160000	3741160000	1.60	250	.29	.26	.24	.22
576-3741200000	3741200000	2.00	250	.29	.26	.24	.22
576-3741250000	3741250000	2.50	250	.30	.26	.24	.23
576-3741315000	3741315000	3.15	250	.29	.26	.24	.22
576-3741400000	3741400000	4.00	250	.31	.27	.25	.24
576-3741500000	3741500000	5.00	250	.30	.27	.25	.23
576-3741630000	3741630000	6.30	250	.30	.27	.25	.23
576-3741800000	3741800000	8.00	250	.30	.27	.25	.23
576-3742100000	3742100000	10.00	250	.30	.27	.25	.23

382 Series - Time Lag

576-3821100000	3821100000	1.00	250	.25	.22	.21	.19
576-3821125000	3821125000	1.25	250	.25	.22	.21	.19
576-3821160000	3821160000	1.60	250	.25	.22	.20	.19
576-3821200000	3821200000	2.00	250	.24	.22	.20	.19
576-3821250000	3821250000	2.50	250	.25	.22	.21	.19
576-3821315000	3821315000	3.15	250	.25	.22	.20	.19
576-3821400000	3821400000	4.00	250	.25	.22	.21	.19
576-3821500000	3821500000	5.00	250	.25	.23	.21	.20
576-3821630000	3821630000	6.30	250	.27	.24	.22	.20

WICKMANN® TE5® SUBMINIATURE FUSES

392 Series - Time Lag

576-3920800000	3920800000	0.80	250	.31	.27	.25	.24
576-3921100000	3921100000	1.00	250	.29	.26	.24	.23
576-3921125000	3921125000	1.25	250	.28	.25	.23	.22
576-3921160000	3921160000	1.60	250	.28	.25	.23	.22
576-3921200000	3921200000	2.00	250	.29	.26	.24	.22
576-3921250000	3921250000	2.50	250	.29	.26	.24	.22
576-3921315000	3921315000	3.15	250	.29	.26	.24	.22
576-3921400000	3921400000	4.00	250	.30	.26	.25	.23

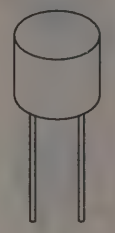
395 Series - Quick Acting

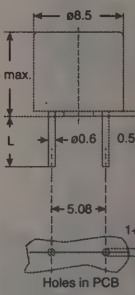
576-3950050000	3950050000	0.05	125	1.40	1.24	1.14	1.06
576-3950063000	3950063000	0.06	125	1.14	1.01	.94	.88
576-3950080000	3950080000	0.08	125	1.12	1.00	.92	.86
576-3950100000	3950100000	0.10	125	.25	.22	.20	.19
576-3950125000	3950125000	0.13	125	.25	.22	.20	.19
576-3950160000	3950160000	0.16	125	.25	.22	.20	.19
576-3950200000	3950200000	0.20	125	.25	.22	.20	.19
576-3950250000	3950250000	0.25	125	.25	.22	.20	.19
576-3950315000	3950315000	0.32	125	.25	.22	.20	.19
576-3950400000	3950400000	0.40	125	.25	.22	.20	.19
576-3950500000	3950500000	0.50	125	.25	.22	.20	.19
576-3950630000	3950630000	0.63	125	.25	.22	.20	.19
576-3950800000	3950800000	0.80	125	.25	.22	.20	.19
576-3951100000	3951100000	1.00	125	.25	.22	.20	.19
576-3951125000	3951125000	1.25	125	.25	.22	.20	.19
576-3951160000	3951160000	1.60	125	.25	.22	.20	.19
576-3951200000	3951200000	2.00	125	.25	.22	.20	.19
576-3951250000	3951250000	2.50	125	.25	.22	.20	.19
576-3951315000	3951315000	3.15	125	.25	.22	.20	.19
576-3951400000	3951400000	4.00	125	.25	.22	.20	.19
576-3951500000	3951500000	5.00	125	.25	.22	.20	.19
576-3951630000	3951630000	6.30	125	.25	.22	.20	.19

396 Series - Time Lag

576-3960050000	3960050000	0.05	125	.52	.46	.42	.40
576-3960063000	3960063000	0.06	125	.51	.45	.42	.39
576-3960080000	3960080000	0.08	125	.40	.35	.33	.30
576-3960100000	3960100000	0.10	125	.41	.36	.34	.31
576-3960125000	3960125000	0.13	125	.39	.35	.33	.30
576-3960160000	3960160000	0.16	125	.37	.33	.31	.29
576-3960200000	3960200000	0.20	125	.37	.33	.31	.29
576-3960250000	3960250000	0.25	125	.35	.31	.29	.27
576-3960315000	3960315000	0.32	125	.33	.29	.27	.25
576-3960400000	3960400000	0.40	125	.32	.28	.26	.25
576-3960500000	3960500000	0.50	125	.30	.27	.25	.23
576-3960630000	3960630000	0.63	125	.30	.27	.25	.23
576-3960800000	3960800000	0.80	125	.29	.26	.24	.22
576-3961100000	3961100000	1.00	125	.29	.25	.24	.22
576-3961125000	3961125000	1.25	125	.28	.25	.23	.22
576-3961160000	3961160000	1.60	125	.30	.26	.25	.23
576-3961200000	3961200000	2.00	125	.28	.25	.23	.22
576-3961250000	3961250000	2.50	125	.28	.25	.23	.22
576-3961315000	3961315000	3.15	125	.30	.26	.25	.23
576-3961400000	3961400000	4.00	125	.28	.25	.23	.22
576-3961500000	3961500000	5.00	125	.29	.25	.24	.22
576-3961630000	3961630000	6.30	125	.29	.26	.24	.22

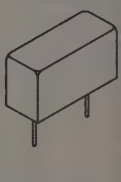
DIMENSIONS (m

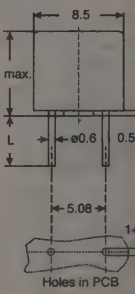




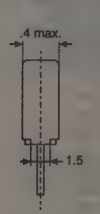
Long Leads (L = 18.8 mm)
Short Leads (L = 4.3mm)

For 370, 372, 373, 374, and 382 Series





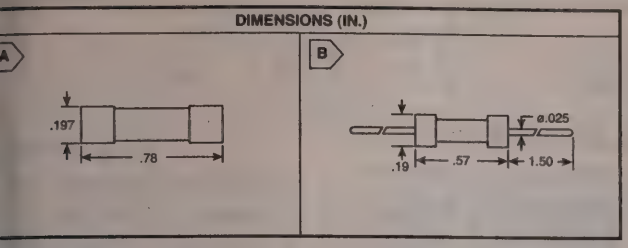
Long Leads (L = 18.8 mm)
Short Leads (L = 4.3mm)



For 392, 395 and 396 Series

MOUSER ELECTRONICS a tti company (800) 346-6873

DIMENSIONS (IN.)



MM X 20MM FUSES

The interrupting rating is the maximum current, at the rated voltage, that the fuse can safely open without the possibility of rupturing.

5 Series-SLO-BLO® Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
76-0215.200HXP	0215.200HXP	A	0.2	250	.84	.73	.67	.63
76-0215.315HXP	0215.315HXP	A	0.315	250	.84	.73	.67	.63
76-0215.500HXP	0215.500HXP	A	0.5	250	.84	.73	.67	.63
76-0215.800HXP	0215.800HXP	A	0.8	250	.84	.73	.67	.63
76-0215001.HXP	0215001.HXP	A	1	250	.84	.73	.67	.63
76-02151.25HXP	02151.25HXP	A	1.25	250	.84	.73	.67	.63
76-021501.6HXP	021501.6HXP	A	1.6	250	.84	.73	.67	.63
76-0215002.HXP	0215002.HXP	A	2	250	.84	.73	.67	.63
76-021502.5HXP	021502.5HXP	A	2.5	250	.84	.73	.67	.63
76-02153.15HXP	02153.15HXP	A	3.15	250	.84	.73	.67	.63
76-0215004.HXP	0215004.HXP	A	4	250	.84	.73	.67	.63
76-0215005.HXP	0215005.HXP	A	5	250	.84	.73	.67	.63
76-021506.3HXP	021506.3HXP	A	6.3	250	.84	.73	.67	.63
76-0215008.HXP	0215008.HXP	A	8	250	1.05	.92	.84	.79
76-0215010.HXP	0215010.HXP	A	10	250	1.05	.92	.84	.79

16 Series Fast Acting Fuses

1500 amp interrupting rating

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
76-0216.050HXP	0216.050HXP	A	0.05	250	1.05	.92	.84	.79
76-0216.050MXEP	0216.050MXEP	A	0.05	250	1.38	1.20	1.10	1.04
76-0216.100HXP	0216.100HXP	A	0.1	250	.84	.73	.67	.63
76-0216.125HXP	0216.125HXP	A	0.125	250	.84	.73	.67	.63
76-0216.200HXP	0216.200HXP	A	0.2	250	.84	.73	.67	.63
76-0216.250HXP	0216.250HXP	A	0.25	250	.84	.73	.67	.63
76-0216.315HXP	0216.315HXP	A	0.315	250	.84	.73	.67	.63
76-0216.400HXP	0216.400HXP	A	0.4	250	.84	.73	.67	.63
76-0216.500HXP	0216.500HXP	A	0.5	250	.84	.73	.67	.63
76-0216.630HXP	0216.630HXP	A	0.63	250	.84	.73	.67	.63
76-0216001.HXP	0216001.HXP	A	1	250	.84	.73	.67	.63
76-02161.25HXP	02161.25HXP	A	1.25	250	.84	.73	.67	.63
76-021601.6HXP	021601.6HXP	A	1.6	250	.84	.73	.67	.63
76-0216002.HXP	0216002.HXP	A	2	250	.84	.73	.67	.63
76-021602.5HXP	021602.5HXP	A	2.5	250	.84	.73	.67	.63
76-02163.15HXP	02163.15HXP	A	3.15	250	.84	.73	.67	.63
76-0216004.HXP	0216004.HXP	A	4	250	.84	.73	.67	.63
76-0216005.HXP	0216005.HXP	A	5	250	.84	.73	.67	.63
76-021606.3HXP	021606.3HXP	A	6.3	250	.84	.73	.67	.63
76-0216008.HXP	0216008.HXP	A	8	250	1.05	.92	.84	.79
76-0216010.HXP	0216010.HXP	A	10	250	1.05	.92	.84	.79

17 Series Fast Acting Fuses

35 amp interrupting rating

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
76-0217.032HXP	0217.032HXP	A	0.032	250	1.01	.88	.81	.76
76-0217.063HXP	0217.063HXP	A	0.063	250	1.01	.88	.81	.76
76-0217.100HXP	0217.100HXP	A	0.1	250	1.01	.88	.81	.76
76-0217.125HXP	0217.125HXP	A	0.125	250	1.01	.88	.81	.76
76-0217.200HXP	0217.200HXP	A	0.2	250	.60	.52	.48	.45
76-0217.250HXP	0217.250HXP	A	0.25	250	.60	.52	.48	.45
76-0217.400HXP	0217.400HXP	A	0.4	250	.60	.52	.48	.45
76-0217.500HXP	0217.500HXP	A	0.5	250	.23	.20	.18	.17
76-0217.630HXP	0217.630HXP	A	0.63	250	.23	.20	.18	.17
76-0217.800HXP	0217.800HXP	A	0.8	250	.23	.20	.18	.17
76-0217001.HXP	0217001.HXP	A	1	250	.23	.20	.18	.17
76-02171.25HXP	02171.25HXP	A	1.25	250	.23	.20	.18	.17
76-021701.6HXP	021701.6HXP	A	1.6	250	.23	.20	.18	.17
76-0217002.HXP	0217002.HXP	A	2	250	.23	.20	.18	.17
76-021702.5HXP	021702.5HXP	A	2.5	250	.23	.20	.18	.17
76-02173.15HXP	02173.15HXP	A	3.15	250	.23	.20	.18	.17
76-0217004.HXP	0217004.HXP	A	4	250	.23	.20	.18	.17
76-0217005.HXP	0217005.HXP	A	5	250	.23	.20	.18	.17
76-021706.3HXP	021706.3HXP	A	6.3	250	.23	.20	.18	.17
76-0217008.HXP	0217008.HXP	A	8	250	.68	.59	.54	.51
76-0217010.HXP	0217010.HXP	A	10	250	.68	.59	.54	.51

5MM X 20MM FUSES CONT.

218 Series SLO-BLO® Fuses

* 35 amp interrupting rating

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0218.032HXP	0218.032HXP	A	0.032	250	1.35	1.18	1.08	1.02
576-0218.040HXP	0218.040HXP	A	0.04	250	1.35	1.18	1.08	1.02
576-0218.050HXP	0218.050HXP	A	0.05	250	1.35	1.18	1.08	1.02
576-0218.063HXP	0218.063HXP	A	0.063	250	1.35	1.18	1.08	1.02
576-0218.080HXP	0218.080HXP	A	0.08	250	1.35	1.18	1.08	1.02
576-0218.100HXP	0218.100HXP	A	0.1	250	.79	.69	.63	.60
576-0218.125HXP	0218.125HXP	A	0.125	250	.79	.69	.63	.60
576-0218.160HXP	0218.160HXP	A	0.16	250	.79	.69	.63	.60
576-0218.200HXP	0218.200HXP	A	0.2	250	.79	.69	.63	.60
576-0218.250HXP	0218.250HXP	A	0.25	250	.79	.69	.63	.60
576-0218.315HXP	0218.315HXP	A	0.315	250	.79	.69	.63	.60
576-0218.400HXP	0218.400HXP	A	0.4	250	.79	.69	.63	.60
576-0218.500HXP	0218.500HXP	A	0.5	250	.54	.48	.43	.41
576-0218.630HXP	0218.630HXP	A	0.63	250	.54	.48	.43	.41
576-0218.800HXP	0218.800HXP	A	0.8	250	.54	.48	.43	.41
576-0218001.HXP	0218001.HXP	A	1	250	.54	.48	.43	.41
576-02181.25HXP	02181.25HXP	A	1.25	250	.54	.48	.43	.41
576-021801.6HXP	021801.6HXP	A	1.6	250	.54	.48	.43	.41
576-0218002.HXP	0218002.HXP	A	2	250	.54	.48	.43	.41
576-021802.5HXP	021802.5HXP	A	2.5	250	.54	.48	.43	.41
576-02183.15HXP	02183.15HXP	A	3.15	250	.54	.48	.43	.41
576-0218004.HXP	0218004.HXP	A	4	250	.54	.48	.43	.41
576-0218005.HXP	0218005.HXP	A	5	250	.54	.48	.43	.41
576-021806.3HXP	021806.3HXP	A	6.3	250	.54	.48	.43	.41
576-0218008.HXP	0218008.HXP	A	8	250	.85	.74	.67	.64
576-0218010.HXP	0218010.HXP	A	10	250	.85	.74	.67	.64
576-0218010.MXE	0218010.MXE-	A	10	250	1.04	.91	.83	.78
576-0218015.HXP	0218015.HXP	A	15	250	.85	.74	.67	.64

235 Series Fast-Acting Fuses

For quantities of 500 and up, call for quote.

576-0235.100HXP	0235.100HXP	A	0.1	250	.49	.43	.39	.37
576-0235.125HXP	0235.125HXP	A	0.125	250	.49	.43	.39	.37
576-0235.200HXP	0235.200HXP	A	0.2	250	.49	.43	.39	.37
576-0235.250HXP	0235.250HXP	A	0.25	250	.49	.43	.39	.37
576-0235.300HXP	0235.300HXP	A	0.3	250	.49	.43	.39	.37
576-0235.400HXP	0235.400HXP	A	0.4	250	.49	.43	.39	.37
576-0235.500HXEP	0235.500HXEP	A	0.5	250	.58	.51	.47	.44
576-0235.500HXP	0235.500HXP	A	0.5	250	.27	.24	.22	.20
576-0235.600HXP	0235.600HXP	A	0.6	250	.27	.24	.22	.20
576-0235.700HXP	0235.700HXP	A	0.7	250	.27	.24	.22	.20
576-0235.800HXP	0235.800HXP	A	0.8	250	.27	.24	.22	.20
576-0235001.HXP	0235001.HXP	A	1	250	.22	.19	.17	.16
576-02351.25HXP	02351.25HXP	A	1.25	250	.22	.19	.17	.16
576-023501.6HXP	023501.6HXP	A	1.6	250	.22	.19	.17	.16
576-0235002.HXP	0235002.HXP	A	2	250	.22	.19	.17	.16
576-023502.5HXP	023502.5HXP	A	2.5	250	.22	.19	.17	.16
576-0235003.HXP	0235003.HXP	A	3	125	.22	.19	.17	.16
576-0235004.HXP	0235004.HXP	A	4	125	.22	.19	.17	.16
576-0235005.HXP	0235005.HXP	A	5	125	.22	.19	.17	.16
576-0235006.HXP	0235006.HXP	A	6	125	.22	.19	.17	.16

239 Series Slo-Blo® Fuses

For quantities of 500 and up, call for quote.

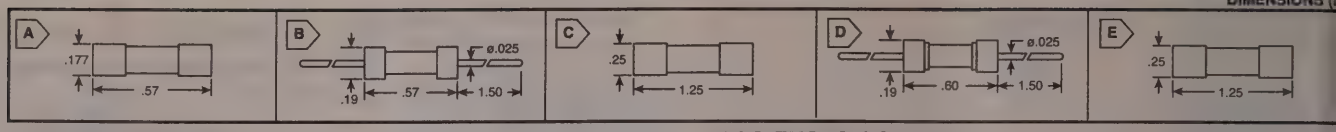
576-0239.200HXP	0239.200HXP	A	0.2	250	.68	.59	.54	.51
576-0239.250HXP	0239.250HXP	A	0.25	250	.68	.59	.54	.51
576-0239.300HXP	0239.300HXP	A	0.3	250	.68	.59	.54	.51
576-0239.400HXP	0239.400HXP	A	0.4	250	.68	.59	.54	.51
576-0239.500HXP	0239.500HXP	A	0.5	250	.52	.45	.41	.39
576-0239.600HXP	0239.600HXP	A	0.6	250	.52	.45	.41	.39
576-0239.750HXP	0239.750HXP	A	0.75	250	.52	.45	.41	.39
576-0239.800HXP	0239.800HXP	A	0.8	250	.52	.45	.41	.39
576-0239001.HXP	0239001.HXP	A	1	250	.52	.45	.41	.39
576-02391.25HXP	02391.25HXP	A	1.25	250	.52	.45	.41	.39
576-023901.6HXP	023901.6HXP	A	1.6	250	.52	.45	.41	.39
576-0239002.HXP	0239002.HXP	A	2	250	.52	.45	.41	.39
576-023902.5HXP	023902.5HXP	A	2.5	250	.52	.45	.41	.39
576-0239003.HXP	0239003.HXP	A	3	250	.52	.45	.41	.39
576-0239004.HXP	0239004.HXP	A	4	125	.52	.45	.41	.39
576-0239005.HXP	0239005.HXP	A	5	125	.52	.45	.41	.39

2AG FUSES

224 Series (Axial Lead) Fast-Acting Fuses

For quantities of 500 and up, call for quote.

576-0224.250HXP	0224.250HXP	B	0.25	250	.63	.55	.50	.47
576-0224.375HXP	0224.375HXP	B	0.375	250	.63	.55	.50	.47
576-0224.500HXP	0224.500HXP	B	0.5	250	.48	.42	.38	.36
576-0224.750HXP	0224.750HXP	B	0.75	250	.48	.42	.38	.36
576-0224001.HXP	0224001.HXP	B	1	250	.48	.42	.38	.36
576-022401.5HXP	022401.5HXP	B	1.5	250	.48	.42	.38	.36
576-0224002.HXP	0224002.HXP	B	2	250	.48	.42	.38	.36
576-0224003.HXP	0224003.HXP	B	3	250	.48	.42	.38	.36
576-0224004.HXP	0224004.HXP	B	4	125	.48	.42	.38	.36
576-0224005.HXP	0224005.HXP	B	5	125	.48	.42	.38	.36
576-0224006.HXP	0224006.HXP	B	6	125	.48	.42	.38	.36
576-0224007.HXP	0224007.HXP	B	7	125	.48	.42	.38	.36
576-0224008.HXP	0224008.HXP	B	8	125	.48	.42	.38	.36
576-0224010.HXP	0224010.HXP	B	10	125	.48	.42	.38	.36



2AG FUSES CONT.

225 Series Fast-Acting Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0225.125HXP	0225.125HXP	A	0.125	250	.47	.41	.38	.36
576-0225.250HXP	0225.250HXP	A	0.25	250	.47	.41	.38	.36
576-0225.500HXP	0225.500HXP	A	0.5	250	.33	.28	.26	.25
576-0225.750HXP	0225.750HXP	A	0.75	250	.33	.28	.26	.25
576-0225001.HXP	0225001.HXP	A	1	250	.33	.28	.26	.25
576-022501.5HXP	022501.5HXP	A	1.5	250	.33	.28	.26	.25
576-0225002.HXP	0225002.HXP	A	2	250	.33	.28	.26	.25
576-022502.5HXP	022502.5HXP	A	2.5	250	.33	.28	.26	.25
576-0225003.HXP	0225003.HXP	A	3	250	.33	.28	.26	.25
576-022503.5HXP	022503.5HXP	A	3.5	250	.33	.28	.26	.25
576-0225004.HXP	0225004.HXP	A	4	125	.33	.28	.26	.25
576-0225005.HXP	0225005.HXP	A	5	125	.33	.28	.26	.25
576-0225006.HXP	0225006.HXP	A	6	125	.33	.28	.26	.25
576-0225007.HXP	0225007.HXP	A	7	125	.33	.28	.26	.25
576-0225008.HXP	0225008.HXP	A	8	125	.33	.28	.26	.25
576-0225010.HXP	0225010.HXP	A	10	125	.33	.28	.26	.25

229 Series Slo-Blo® Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0229.250HXP	0229.250HXP	A	0.25	250	.38	.33	.30	.29
576-0229.375HXP	0229.375HXP	A	0.375	250	.38	.33	.30	.29
576-0229.500HXP	0229.500HXP	A	0.5	250	.38	.33	.30	.29
576-0229001.HXP	0229001.HXP	A	1	250	.38	.33	.30	.29
576-02291.25HXP	02291.25HXP	A	1.25	250	.38	.33	.30	.29
576-022901.5HXP	022901.5HXP	A	1.5	250	.38	.33	.30	.29
576-0229002.HXP	0229002.HXP	A	2	250	.38	.33	.30	.29
576-0229003.HXP	0229003.HXP	A	3	250	.38	.33	.30	.29
576-022903.5HXP	022903.5HXP	A	3.5	125	.38	.33	.30	.29
576-022903.5HXSP	022903.5HXSP	A	3.5	125	.46	.40	.37	.35
576-0229004.HXP	0229004.HXP	A	4	125	.38	.33	.30	.29
576-0229005.HXP	0229005.HXP	A	5	125	.38	.33	.30	.29
576-0229007.HXP	0229007.HXP	A	7	125	.38	.33	.30	.29

230 Series (Axial Lead) Slo-Blo® Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0230.250HXP	0230.250HXP	B	0.25	250	.54	.47	.43	.41
576-0230.250HXSP	0230.250HXSP	B	0.25	250	.62	.54	.49	.47
576-0230.375HXP	0230.375HXP	B	0.375	250	.54	.47	.43	.40
576-0230.500HXP	0230.500HXP	B	0.5	250	.54	.47	.43	.41
576-0230.600HXP	0230.600HXP	B	0.6	250	.54	.47	.43	.41
576-0230.750HXP	0230.750HXP	B	0.75	250	.54	.47	.43	.41
576-0230001.HXP	0230001.HXP	B	1	250	.54	.47	.43	.41
576-02301.25HXP	02301.25HXP	B	1.25	250	.54	.47	.43	.40
576-023001.5HXP	023001.5HXP	B	1.5	250	.54	.47	.43	.41
576-0230002.HXP	0230002.HXP	B	2	250	.54	.47	.43	.41
576-0230002.HXSP	0230002.HXSP	B	2	250	.62	.54	.49	.47
576-02302.25HXP	02302.25HXP	B	2.25	250	.54	.47	.43	.41
576-023002.5HXP	023002.5HXP	B	2.5	250	.54	.47	.43	.41
576-0230003.HXP	0230003.HXP	B	3	250	.54	.47	.43	.41
576-023003.5HXP	023003.5HXP	B	3.5	250	.54	.47	.43	.41
576-0230004.HXP	0230004.HXP	B	4	125	.54	.47	.43	.41
576-0230005.HXP	0230005.HXP	B	5	125	.54	.47	.43	.41
576-0230005.HXSP	0230005.HXSP	B	5	125	.62	.54	.49	.47
576-0230006.DRT2P	0230006.DRT2P	B	6	125	.63	.55	.50	.48
576-0230007.HXP	0230007.HXP	B	7	125	.54	.47	.43	.41
576-0230007.HXSP	0230007.HXSP	B	7	125	.62	.54	.49	.47

3AG FUSES

312 Series Fast-Acting Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0312.010VXP	0312.010VXP	C	0.01	250	4.92	4.28	3.92	3.68
576-0312.031VXP	0312.031VXP	C	0.031	250	4.92	4.28	3.92	3.68
576-0312.062HXP	0312.062HXP	C	0.062	250	.58	.51	.47	.44
576-0312.100HXP	0312.100HXP	C	0.1	250	.58	.51	.47	.44
576-0312.125HXP	0312.125HXP	C	0.125	250	.58	.51	.47	.44
576-0312.175HXP	0312.175HXP	C	0.175	250	.58	.51	.47	.44
576-0312.187HXP	0312.187HXP	C	0.187	250	.58	.51	.47	.44
576-0312.200HXP	0312.200HXP	C	0.2	250	.58	.51	.47	.44
576-0312.250HXP	0312.250HXP	C	0.25	250	.36	.31	.29	.27
576-0312.300HXP	0312.300HXP	C	0.3	250	.36	.31	.29	.27
576-0312.375HXP	0312.375HXP	C	0.375	250	.36	.31	.29	.27
576-0312.500HXP	0312.500HXP	C	0.5	250	.25	.22	.20	.19
576-0312.600HXP	0312.600HXP	C	0.6	250	.25	.22	.20	.19
576-0312.750HXP	0312.750HXP	C	0.75	250	.25	.22	.20	.19
576-0312001.HXP	0312001.HXP	C	1	250	.20	.17	.15	.14
576-03121.25HXP	03121.25HXP	C	1.25	250	.20	.17	.15	.14
576-031201.5HXP	031201.5HXP	C	1.5	250	.20	.17	.15	.14
576-0312002.HXP	0312002.HXP	C	2	250	.20	.17	.15	.14
576-031202.5HXP	031202.5HXP	C	2.5	250	.20	.17	.15	.14
576-0312003.HXP	0312003.HXP	C	3	250	.20	.17	.15	.14
576-0312004.HXP	0312004.HXP	C	4	250	.25	.22	.20	.19
576-0312005.HXP	0312005.HXP	C	5	250	.25	.22	.20	.19
576-0312006.HXP	0312006.HXP	C	6	250	.25	.22	.20	.19
576-0312007.HXP	0312007.HXP	C	7	250	.25	.22	.20	.19
576-0312008.HXP	0312008.HXP	C	8	250	.33	.29	.27	.25
576-0312010.HXP	0312010.HXP	C	10	250	.33	.29	.27	.25

3AG FUSES CONT.

318 Series Fast-Acting Fuses

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	25
576-0318.062HXP	0318.062HXP	D	0.062	250	1.02	.89	.81	.7
576-0318001.HXP	0318001.HXP	D	1	250	.45	.40	.36	.3
576-031801.5HXP	031801.5HXP	D	1.5	250	.45	.40	.36	.3
576-0318005.HXP	0318005.HXP	D	5	250	.48	.42	.38	.3
576-0318007.HXP	0318007.HXP	D	7	250	.48	.42	.38	.3
576-0318008.HXP	0318008.HXP	D	8	250	.48	.42	.38	.3
576-0318010.HXP	0318010.HXP	D	10	250	.48	.42	.38	.3

313 Series Slo-Blo® Fuses

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	25
576-0313.010HXP	0313.010HXP	E	0.01	250	1.63	1.42	1.29	1.2
576-0313.031HXP	0313.031HXP	E	0.031	250	1.63	1.42	1.29	1.2
576-0313.040HXP	0313.040HXP	E	0.04	250	1.63	1.42	1.29	1.2
576-0313.062HXP	0313.062HXP	E	0.062	250	1.17	1.02	.93	.8
576-0313.100HXP	0313.100HXP	E	0.1	250	1.17	1.02	.93	.8
576-0313.125HXP	0313.125HXP	E	0.125	250	1.17	1.02	.93	.8
576-0313.150HXP	0313.150HXP	E	0.15	250	1.17	1.02	.93	.8
576-0313.187HXP	0313.187HXP	E	0.187	250	1.17	1.02	.93	.8
576-0313.200HXP	0313.200HXP	E	0.2	250	1.17	1.02	.93	.8
576-0313.250HXP	0313.250HXP	E	0.25	250	.71	.62	.57	.5
576-0313.300HXP	0313.300HXP	E	0.3	250	.71	.62	.57	.5
576-0313.375HXP	0313.375HXP	E	0.375	250	.71	.62	.57	.5
576-0313.400HXP	0313.400HXP	E	0.4	250	.71	.62	.57	.5
576-0313.500HXP	0313.500HXP	E	0.5	250	.68	.59	.54	.5
576-0313.600HXP	0313.600HXP	E	0.6	250	.68	.59	.54	.5
576-0313.700HXP	0313.700HXP	E	0.7	250	.68	.59	.54	.5
576-0313.750HXP	0313.750HXP	E	0.75	250	.68	.59	.54	.5
576-0313.800HXP	0313.800HXP	E	0.8	250	.68	.59	.54	.5
576-0313001.HXP	0313001.HXP	E	1	250	.68	.59	.54	.5
576-031301.2HXP	031301.2HXP	E	1.2	250	.52	.45	.41	.3
576-03131.25HXP	03131.25HXP	E	1.25	250	.52	.45	.41	.3
576-031301.5HXP	031301.5HXP	E	1.5	250	.52	.45	.41	.3
576-031301.6HXP	031301.6HXP	E	1.6	250	.52	.45	.41	.3
576-0313002.HXP	0313002.HXP	E	2	250	.52	.45	.41	.3
576-031302.5HXP	031302.5HXP	E	2.5	250	.52	.45	.41	.3
576-0313003.HXP	0313003.HXP	E	3	250	.52	.45	.41	.3
576-031303.2HXP	031303.2HXP	E	3.2	250	.52	.45	.41	.3
576-0313004.HXP	0313004.HXP	E	4	250	.52	.45	.41	.3
576-0313005.HXP	0313005.HXP	E	5	250	.52	.45	.41	.3
576-03136.25HXP	03136.25HXP	E	6.25	250	.52	.45	.41	.3
576-031306.3HXP	031306.3HXP	E	6.3	250	.52	.45	.41	.3
576-0313007.HXP	0313007.HXP	E	7	250	.52	.45	.41	.3
576-0313008.HXP	0313008.HXP	E	8	250	.52	.45	.41	.3
576-0313010.HXP	0313010.HXP	E	10	250	.76	.66	.61	.5
576-0313012.HXP	0313012.HXP	E	12	250	.76	.66	.61	.5
576-0313015.HXP	0313015.HXP	E	15	250	.76	.66	.61	.5
576-0313020.HXP	0313020.HXP	E	20	250	.76	.66	.61	.5
576-0313025.HXP	0313025.HXP	E	25	250	.76	.66	.61	.5
576-0313030.HXP	0313030.HXP	E	30	250	.76	.66	.61	.5

315 Series Slo-Blo® Fuses

For quantities of 500 and up, call for quo

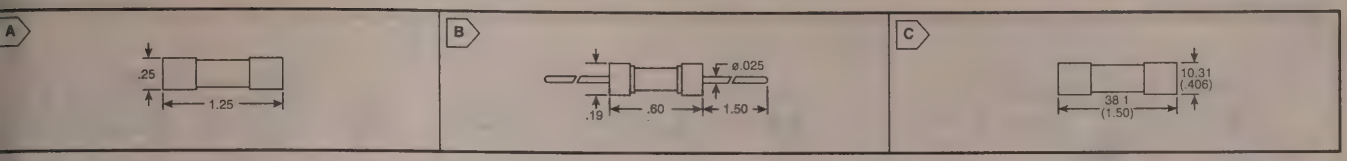
MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0315.125HXP	0315.125HXP	D	0.125	250	1.60	1.40	1.27	1.2
576-0315.500HXP	0315.500HXP	D	0.5	250	.80	.70	.64	.6
576-0315001.HXP	0315001.HXP	D	1	250	.80	.70	.64	.6
576-031501.5HXP	031501.5HXP	D	1.5	250	.80	.70	.64	.6
576-0315002.HXP	0315002.HXP	D	2	250	.80	.70	.64	.6
576-0315003.HXP	0315003.HXP	D	3	250	.80	.70	.64	.6
576-0315005.HXP	0315005.HXP	D	5	250	.84	.74	.67	.6
576-0315007.HXP	0315007.HXP	D	7	250	.84	.74	.67	.6
576-0315008.HXP	0315008.HXP	D	8	250	.84	.74	.67	.6
576-0315010.HXP	0315010.HXP	D	10	32	1.09	.95	.86	.8
576-0315015.HXP	0315015.HXP	D	15	32	1.09	.95	.86	.8

3AB CERAMIC FUSES

314 Series Fast-Acting Ceramic

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0314.125HXP	0314.125HXP	D	0.125	250	.82	.71	.65	.6
576-0314.250HXP	0314.250HXP	D	0.25	250	.57	.50	.45	.4
576-0314.500HXP	0314.500HXP	D	0.5	250	.57	.50	.45	.4
576-0314.750HXP	0314.750HXP	D	0.75	250	.57	.50	.45	.4
576-0314001.HXP	0314001.HXP	D	1	250	.53	.47	.42	.4
576-0314002.HXP	0314002.HXP	D	2	250	.53	.47	.42	.4



AB CERAMIC FUSES CONT.

14 Series Fast-Acting Ceramic

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0314003.HXP	0314003.HXP	A	3	250	.53	.47	.42	.40
576-0314004.HXP	0314004.HXP	A	4	250	.53	.47	.42	.40
576-0314005.HXP	0314005.HXP	A	5	250	.50	.44	.40	.38
576-0314006.HXP	0314006.HXP	A	6	250	.50	.44	.40	.38
576-0314007.HXP	0314007.HXP	A	7	250	.50	.44	.40	.38
576-0314008.HXP	0314008.HXP	A	8	250	.50	.44	.40	.38
576-0314010.HXP	0314010.HXP	A	10	250	.50	.44	.40	.38
576-0314012.HXP	0314012.HXP	A	12	250	.50	.44	.40	.38
576-0314015.HXP	0314015.HXP	A	15	250	.50	.44	.40	.38
576-0314020.HXP	0314020.HXP	A	20	250	.75	.65	.60	.56
576-0314025.HXP	0314025.HXP	A	25	250	.75	.65	.60	.56
576-0314030.HXP	0314030.HXP	A	30	250	.75	.65	.60	.56

24 Series Fast-Acting Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0324010.HXP	0324010.HXP	B	10	250	.88	.77	.70	.66
576-0324012.HXP	0324012.HXP	B	12	250	.88	.77	.70	.66
576-0324015.HXP	0324015.HXP	B	15	250	.88	.77	.70	.66
576-0324020.HXP	0324020.HXP	B	20	250	1.15	1.00	.92	.87
576-0324025.HXP	0324025.HXP	B	25	125	1.15	1.00	.92	.87
576-0324030.HXP	0324030.HXP	B	30	125	1.15	1.00	.92	.87

22 Series Very Fast-Acting Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0322001.HXP	0322001.HXP	A	1	250	2.93	2.56	2.34	2.19
576-0322002.HXP	0322002.HXP	A	2	250	2.93	2.56	2.34	2.19
576-0322004.HXP	0322004.HXP	A	4	250	2.93	2.56	2.34	2.19
576-0322008.HXP	0322008.HXP	A	8	250	2.93	2.56	2.34	2.19
576-0322010.HXP	0322010.HXP	A	10	250	2.93	2.56	2.34	2.19
576-0322020.HXP	0322020.HXP	A	20	65	2.93	2.56	2.34	2.19
576-0322030.HXP	0322030.HXP	A	30	65	2.93	2.56	2.34	2.19

26 Series Slo-Blo® Ceramic

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0326.010HXP	0326.010HXP	A	0.01	250	1.96	1.71	1.56	1.47
576-0326.031HXP	0326.031HXP	A	0.031	250	1.96	1.71	1.56	1.47
576-0326.100HXP	0326.100HXP	A	0.1	250	1.33	1.16	1.06	1.00
576-0326.125HXP	0326.125HXP	A	0.125	250	1.33	1.16	1.06	1.00
576-0326.250HXP	0326.250HXP	A	0.25	250	1.27	1.11	1.01	.96
576-0326.375HXP	0326.375HXP	A	0.375	250	1.27	1.11	1.01	.96
576-0326.500HXP	0326.500HXP	A	0.5	250	1.27	1.11	1.01	.96
576-0326.750HXP	0326.750HXP	A	0.75	250	1.27	1.11	1.01	.96
576-0326.800HXP	0326.800HXP	A	0.8	250	1.27	1.11	1.01	.96
576-0326001.HXP	0326001.HXP	A	1	250	1.27	1.11	1.01	.96
576-032601.5HXP	032601.5HXP	A	1.5	250	1.27	1.11	1.01	.96
576-0326002.HXP	0326002.HXP	A	2	250	1.27	1.11	1.01	.96
576-032602.5HXP	032602.5HXP	A	2.5	250	.89	.78	.71	.67
576-0326003.HXP	0326003.HXP	A	3	250	.89	.78	.71	.67
576-0326004.HXP	0326004.HXP	A	4	250	.89	.78	.71	.67
576-0326005.HXP	0326005.HXP	A	5	250	.89	.78	.71	.67
576-03266.25HXP	03266.25HXP	A	6.25	250	.89	.78	.71	.67
576-0326007.HXP	0326007.HXP	A	7	250	.89	.78	.71	.67
576-0326008.HXP	0326008.HXP	A	8	250	.89	.78	.71	.67
576-0326010.HXP	0326010.HXP	A	10	250	.89	.78	.71	.67
576-0326012.HXP	0326012.HXP	A	12	250	.89	.78	.71	.67
576-0326015.HXP	0326015.HXP	A	15	250	.89	.78	.71	.67
576-0326020.HXP	0326020.HXP	A	20	250	.89	.78	.71	.67
576-0326025.HXP	0326025.HXP	A	25	125	.89	.78	.71	.67
576-0326030.HXP	0326030.HXP	A	30	125	.89	.78	.71	.67

125 Series Slo-Blo® Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0325010.HXP	0325010.HXP	B	10	250	1.26	1.10	1.00	.95
576-0325015.HXP	0325015.HXP	B	15	250	1.26	1.10	1.00	.95
576-0325020.HXP	0325020.HXP	B	30	125	1.26	1.10	1.00	.95
576-0325030.HXP	0325030.HXP	B	20	250	1.26	1.10	1.00	.95

KLK SERIES MIDGET AC FAST-ACTING FUSES QPL

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0KLK001.T	KLK001	C	1	600	10.74	9.40	8.59	8.06
576-0KLK01.5T	KLK01.5	C	1.5	600	11.67	10.22	9.33	8.75
576-0KLK002.T	KLK002	C	2	600	10.74	9.40	8.59	8.06
576-0KLK003.T	KLK003	C	3	600	10.74	9.40	8.59	8.06
576-0KLK005.T	KLK005	C	5	600	10.74	9.40	8.59	8.06
576-0KLK006.T	KLK006	C	6	600	10.44	9.14	8.34	7.83
576-0KLK010.T	KLK010	C	10	600	10.74	9.40	8.59	8.06
576-0KLK015.T	KLK015	C	15	600	10.74	9.40	8.59	8.06
576-0KLK020.T	KLK020	C	20	600	10.78	9.44	8.62	8.09
576-0KLK025.T	KLK025	C	25	600	10.78	9.44	8.62	8.09
576-0KLK030.T	KLK030	C	30	600	10.78	9.44	8.62	8.09

FLQ SERIES MIDGET AC SLO-BLO FUSES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0FLQ001.T	FLQ001	C	1	500	13.13	11.50	10.50	9.86
576-0FLQ002.T	FLQ002	C	2	500	13.13	11.50	10.50	9.85
576-0FLQ005.T	FLQ005	C	5	500	13.13	11.50	10.50	9.86
576-0FLQ008.T	FLQ008	C	8	500	13.13	11.50	10.50	9.86
576-0FLQ010.T	FLQ010	C	10	500	13.13	11.50	10.50	9.86
576-0FLQ015.T	FLQ015	C	15	500	13.13	11.50	10.50	9.85
576-0FLQ020.T	FLQ020	C	20	500	13.13	11.50	10.50	9.86
576-0FLQ025.T	FLQ025	C	25	500	13.13	11.50	10.50	9.86
576-0FLQ030.T	FLQ030	C	30	500	13.13	11.50	10.50	9.86

KLKD SERIES MIDGET AC/DC FAST-ACTING FUSES QPL

For quantities of 500 and up, call for quote.

576-KLKD.300T	KLKD.300	C	0.3	600	14.96	13.09	11.96	11.23
576-KLKD001.T	KLKD001	C	1	600	13.88	12.15	11.10	10.42
576-KLKD005.T	KLKD005	C	5	600	14.10	12.35	11.27	10.58
576-KLKD008.T	KLKD008	C	8	600	14.73	12.89	11.78	11.06
576-KLKD010.T	KLKD010	C	10	600	14.07	12.32	11.24	10.55
576-KLKD015.T	KLKD015	C	15	600	14.10	12.35	11.27	10.58
576-KLKD020.T	KLKD020	C	20	600	15.48	13.55	12.37	11.61

KLDR SERIES CLASS CC TIME-DELAY FUSES FOR TRANSFORMERS

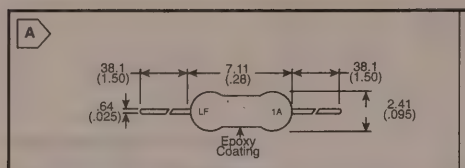
For quantities of 500 and up, call for quote.

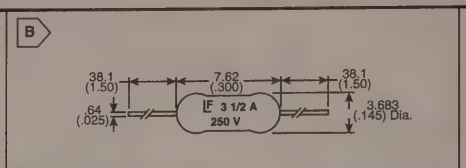
MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-KLDR.100T	KLDR.100	C	0.1	600AC/300DC	15.36	13.44	12.28	11.52
576-KLDR.200T	KLDR.200	C	0.2	600AC/300DC	15.42	13.50	12.32	11.56
576-KLDR.300T	KLDR.300	C	0.3	600AC/300DC	17.94	15.71	14.34	13.46
576-KLDR.500T	KLDR.500	C	0.5	600AC/300DC	13.68	11.96	10.93	10.26
576-KLDR.750T	KLDR.750	C	0.75	600AC/300DC	17.02	14.89	13.60	12.76
576-KLDR001.T	KLDR001	C	1	600AC/300DC	13.42	11.75	10.73	10.07
576-KLDR002.T	KLDR002	C	2	600AC/300DC	13.67	11.97	10.93	10.25
576-KLDR005.T	KLDR005	C	5	600AC/300DC	13.68	11.96	10.93	10.26
576-KLDR009.T	KLDR009	C	9	600AC/300DC	17.09	14.96	13.66	12.82
576-KLDR01.5T	KLDR01.5	C	1.5	600AC/300DC	13.68	11.96	10.93	10.26
576-KLDR010.T	KLDR010	C	10	600AC/300DC	14.67	12.84	11.73	11.01
576-KLDR012.T	KLDR012	C	12	600AC/300DC	13.75	12.03	10.99	10.32
576-KLDR015.T	KLDR015	C	15	600AC/300DC	13.75	12.03	10.99	10.32
576-KLDR020.T	KLDR020	C	20	600AC/300DC	14.31	12.53	11.44	10.74
576-KLDR025.T	KLDR025	C	25	600AC/300DC	14.31	12.53	11.44	10.74
576-KLDR030.T	KLDR030	C	30	600AC/300DC	14.31	12.53	11.44	10.74
576-KLDR2.25T	KLDR2.25	C	2.25	600AC/300DC	17.94	15.71	14.34	13.46

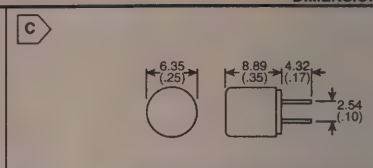
FLQ SERIES MIDGET AC TIME-DELAY FUSES

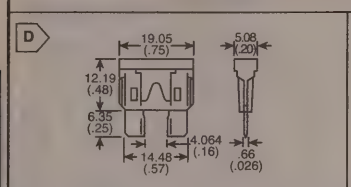
For quantities of 500 and up, call for quote.

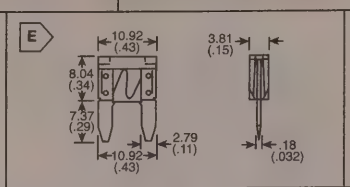
576-0FLM002.T	FLM002	C	2	250	4.51	3.93	3.60	3.37
576-0FLM6.25T	FLM6.25	C	6.25	250	4.84	4.21	3.85	3.61
576-0FLM010.T	FLM010	C	10	250	4.51	3.93	3.60	3.37
576-0FLM015.T	FLM015	C	15	250	4.51	3.93	3.60	3.37
576-0FLM020.T	FLM020	C	20	250	4.72	4.11	3.76	3.53
576-0FLM030.T	FLM030	C	30	250	4.72	4.11	3.76	3.53

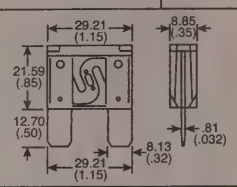


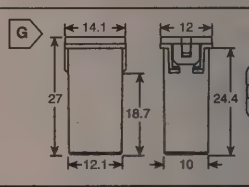












251L SERIES PICO II FAST-ACTING SUBMINIATURE FUSES, AXIAL LEAD

QPL

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0251.062MXL	0251.062MXL	A	0.062	125	.67	.59	.54	.51
576-0251.125MXL	0251.125MXL	A	0.125	125	.43	.37	.34	.32
576-0251.250MXL	0251.250MXL	A	0.25	125	.43	.37	.34	.32
576-0251.375MXL	0251.375MXL	A	0.375	125	.43	.37	.34	.32
576-0251.500MAT1L	0251.500MAT1L	A	0.5	125	.44	.39	.35	.34
576-0251.750MAT1L	0251.750MAT1L	A	0.75	125	.33	.29	.26	.25
576-0251001.MXL	0251001.MXL	A	1	125	.32	.28	.25	.24
576-0251.25MXL	0251.25MXL	A	1.25	125	.32	.28	.25	.24
576-025101.5MXL	025101.5MXL	A	1.5	125	.32	.28	.25	.24
576-0251002.MXL	0251002.MXL	A	2	125	.32	.28	.25	.24
576-025102.5MXL	025102.5MXL	A	2.5	125	.32	.28	.25	.24
576-0251003.MXL	0251003.MXL	A	3	125	.32	.28	.25	.24
576-025103.5MXL	025103.5MXL	A	3.5	125	.32	.28	.25	.24
576-0251004.MRT1L	0251004.MRT1L	A	4	125	.33	.29	.26	.25
576-0251005.MXL	0251005.MXL	A	5	125	.32	.28	.25	.24
576-0251007.MXL	0251007.MXL	A	7	125	.32	.28	.25	.24
576-0251010.MXL	0251010.MXL	A	10	125	.32	.28	.25	.24
576-0251012.MRT1L	0251012.MRT1L	A	12	125	.44	.39	.35	.34
576-0251015.MRT1L	0251015.MRT1L	A	15	125	.44	.39	.35	.34

263 SERIES PICO® II VERY FAST-ACTING SUBMINIATURE FUSES

For quantities of 500 and up, call for quote.

576-0263.062MXL	0263.062MXL	B	0.062	250	1.47	1.28	1.17	1.10
576-0263.125MXL	0263.125MXL	B	0.125	250	1.17	1.02	.93	.88
576-0263.250MXL	0263.250MXL	B	0.25	250	1.17	1.02	.93	.88
576-0263.375MXL	0263.375MXL	B	0.375	250	1.17	1.02	.93	.88
576-0263.500MXL	0263.500MXL	B	0.5	250	1.17	1.02	.93	.88
576-0263.750MXL	0263.750MXL	B	0.75	250	.97	.84	.77	.73
576-0263001.MXL	0263001.MXL	B	1	250	.97	.84	.77	.73
576-026301.5MXL	026301.5MXL	B	1.5	250	.97	.84	.77	.73
576-0263002.MXL	0263002.MXL	B	2	250	.97	.84	.77	.73
576-026302.5MXL	026302.5MXL	B	2.5	250	.97	.84	.77	.73
576-0263003.MXL	0263003.MXL	B	3	250	.97	.84	.77	.73
576-026303.5MXL	026303.5MXL	B	3.5	250	.97	.84	.77	.73
576-0263004.MXL	0263004.MXL	B	4	250	.97	.84	.77	.73
576-0263005.MXL	0263005.MXL	B	5	250	.97	.84	.77	.73

473 SERIES PICO® II SLO-BLO SUBMINIATURE FUSES

For quantities of 500 and up, call for quote.

576-0473.375MRT1L	0473.375MRT1L	A	0.375	125	1.16	1.01	.93	.88
576-0473.500MRT1L	0473.500MRT1L	A	0.5	125	1.16	1.01	.93	.88
576-0473.750MRT1L	0473.750MRT1L	A	0.75	125	1.16	1.01	.93	.88
576-0473001.MRT1L	0473001.MRT1L	A	1	125	1.16	1.01	.93	.88
576-047301.5MRT1L	047301.5MRT1L	A	1.5	125	1.16	1.01	.93	.88
576-0473002.MRT1L	0473002.MRT1L	A	2	125	1.16	1.01	.93	.88
576-04732.25MRT1L	04732.25MRT1L	A	2.25	125	1.16	1.01	.93	.88
576-047302.5MRT1L	047302.5MRT1L	A	2.5	125	1.16	1.01	.93	.88
576-0473003.MRT1L	0473003.MRT1L	A	3	125	1.16	1.01	.93	.88
576-047303.5MRT1L	047303.5MRT1L	A	3.5	125	1.16	1.01	.93	.88
576-0473004.MRT1L	0473004.MRT1L	A	4	125	1.16	1.01	.93	.88
576-0473005.MRT1L	0473005.MRT1L	A	5	125	1.16	1.01	.93	.88
576-0473007.MRT1L	0473007.MRT1L	A	7	125	1.16	1.01	.93	.88

273 SERIES MICRO™ FUSE VERY FAST-ACTING SUBMINIATURE FUSES

QPL

Developed originally for the U.S. Space Program, MICRO fuse provides reliability in a compact design.

For quantities of 500 and up, call for quote.

576-0273.031V	273.031	C	0.031	125	16.15	14.14	12.90	12.12
576-0273.050H	273.050	C	0.05	125	2.82	2.46	2.25	2.11
576-0273.062V	273.062	C	0.062	125	4.32	3.76	3.44	3.23
576-0273.125H	273.125	C	0.125	125	2.78	2.43	2.22	2.08
576-0273.250H	273.250	C	0.25	125	2.78	2.43	2.22	2.08
576-0273.500H	273.500	C	0.5	125	2.78	2.43	2.22	2.08
576-0273001.H	273001	C	1	125	2.78	2.43	2.22	2.08
576-027301.5H	27301.5	C	1.5	125	2.78	2.43	2.22	2.08
576-0273002.H	273002	C	2	125	2.78	2.43	2.22	2.08
576-0273003.H	273003	C	3	125	2.78	2.43	2.22	2.08
576-0273004.H	273004	C	4	125	2.78	2.43	2.22	2.08
576-0273005.H	273005	C	5	125	2.78	2.43	2.22	2.08

257 SERIES AUTOFUSE ATO® FAST-ACTING BLADE FUSE

Designed and originated by Littelfuse for the automotive industry, the ATO® fuse has become the original equipment circuit protection standard for foreign and domestic automobiles and trucks. Readily identifiable and easily replaced, this fuse can be specified for a variety of low voltage electronic applications. The ATO® series is rated to 85°C ambient.

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0257001.PXPV	257001	D	1	32	.29	.25	.23	.22
576-0257002.PXPV	257002	D	2	32	.29	.25	.23	.22
576-0257003.PXPV	257003	D	3	32	.29	.25	.23	.22
576-0257004.PXPV	257004	D	4	32	.29	.25	.23	.22
576-0257005.PXPV	257005	D	5	32	.29	.25	.23	.22
576-025707.5PXPV	25707.5	D	7.5	32	.29	.25	.23	.22
576-0257010.PXPV	257010	D	10	32	.29	.25	.23	.22
576-0257015.PXPV	257015	D	15	32	.29	.25	.23	.22
576-0257020.PXPV	257020	D	20	32	.29	.25	.23	.22
576-0257025.PXPV	257025	D	25	32	.29	.25	.23	.22
576-0257030.PXPV	257030	D	30	32	.29	.25	.23	.22
576-0257040.PXPV	257040	D	40	32	.29	.25	.23	.22

297 SERIES AUTOFUSE MINI® FAST-ACTING

The MINI® fuse has become the industry standard blade fuse for engine compartment locations requiring a 125°C temperature rating.

- Materials: plastic body, silver plated terminals
- Voltage rating: 32V

For quantities of 500 and up, call for qu

576-0297002.WXNV	297002	E	2	32	.33	.29	.26	.25
576-0297003.WXNV	297003	E	3	32	.33	.29	.26	.25
576-0297004.WXNV	297004	E	4	32	.33	.29	.26	.25
576-0297005.WXNV	297005	E	5	32	.33	.29	.26	.25
576-029707.5WXNV	29707.5	E	7.5	32	.33	.29	.26	.25
576-0297010.WXNV	297010	E	10	32	.33	.29	.26	.25
576-0297015.WXNV	297015	E	15	32	.33	.29	.26	.25
576-0297020.WXNV	297020	E	20	32	.33	.29	.26	.25
576-0297025.WXNV	297025	E	25	32	.33	.29	.26	.25
576-0297030.WXNV	297030	E	30	32	.33	.29	.26	.25

299 SERIES MAXI® SLO-BLO® AUTOMOTIVE BLADE FUSE

Designed and originated by Littelfuse for the automotive industry, the MAXI® fuse has become the original equipment circuit protection standard for foreign and domestic automobiles and trucks. The MAXI® series is rated to 125°C ambient.

For quantities of 500 and up, call for qu

576-0299020.ZXNV	299020	F	20	32	.90	.78	.71	.68
576-0299025.ZXNV	299025	F	25	32	.90	.78	.71	.68
576-0299030.ZXNV	299030	F	30	32	.90	.78	.71	.68
576-0299035.ZXNV	299035	F	35	32	.90	.78	.71	.68
576-0299040.ZXNV	299040	F	40	32	.90	.78	.71	.68
576-0299050.ZXNV	299050	F	50	32	.90	.78	.71	.68
576-0299060.ZXNV	299060	F	60	32	.90	.78	.71	.68
576-0299070.ZXNV	299070	F	70	32	1.61	1.41	1.28	1.21
576-0299080.ZXNV	299080	F	80	32	1.61	1.41	1.28	1.21

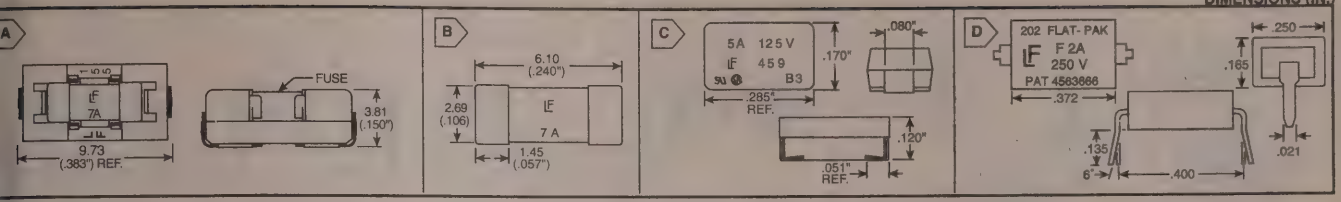
495 SERIES JCASE® SLO-BLO® AUTOMOTIVE CARTRIDGE FUSE

NEW PRODUCT

The JCASE® cartridge fuse is the new global standard for Slo-Blo fuses for automotive applications. They are designed to increase the reliability of customer's modules by putting the box-contact in the fuse, instead of in the module. The JCASE® Series is rated to 125°C ambient.

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Color	Amp (A)	Volts (V)	Price Each 1	10	100	25
576-495020.Z	495020.Z	G	Blue	20	32	2.62	2.28	2.09	1.9
576-495025.Z	495025.Z	G	White	25	32	2.62	2.28	2.09	1.9
576-495030.Z	495030.Z	G	Pink	30	32	2.62	2.28	2.09	1.9
576-495040.Z	495040.Z	G	Green	40	32	2.62	2.28	2.09	1.9
576-495050.Z	495050.Z	G	Red	50	32	2.62	2.28	2.09	1.9
576-495060.Z	495060.Z	G	Yellow	60	32	2.62	2.28	2.09	1.9



MF OMNI-BLOK® FUSE BLOCK WITH FUSES

e SMF Omni-Blok® Fuseholder permits quick and easy replacement of Nano_® SMF face mount fuses. The fuse block and pre-installed fuse combination can be placed on PC board in one efficient manufacturing operation. Fuse replacement is accomplished hout exposing the PC board to the detrimental effects of solder heat.

54 Series-Very Fast Acting Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0154.062DR	154.062	A	0.062	125	1.50	1.31	1.20	1.13
576-0154.125DR	154.125	A	0.125	125	1.50	1.31	1.20	1.13
576-0154.250DR	154.250	A	0.25	125	1.43	1.25	1.14	1.08
576-0154.500DR	154.500	A	0.5	125	1.43	1.25	1.14	1.08
576-0154.750DR	154.750	A	0.75	125	1.22	1.06	.97	.92
576-0154001.DR	154001	A	1	125	1.22	1.06	.97	.92
576-01541.5DR	15401.5	A	1.5	125	1.22	1.06	.97	.92
576-0154002.DR	154002	A	2	125	1.22	1.06	.97	.92
576-015402.5DR	15402.5	A	2.5	125	1.22	1.06	.97	.92
576-0154003.DR	154003	A	3	125	1.22	1.06	.97	.92
576-015403.5DR	15403.5	A	3.5	125	1.22	1.06	.97	.92
576-0154004.DR	154004	A	4	125	1.22	1.06	.97	.92
576-0154005.DR	154005	A	5	125	1.22	1.06	.97	.92
576-015406.3DR	15406.3	A	6.3	125	1.22	1.06	.97	.92
576-0154007.DR	154007	A	7	125	1.22	1.06	.97	.92
576-0154008.DR	154008	A	8	125	1.22	1.06	.97	.92
576-0154010.DR	154010	A	10	125	1.30	1.14	1.04	.98

54T Series- SLO-BLO® Fuses

For quantities of 500 and up, call for quote.

576-0154.375DRT	154.375	A	0.375	125	1.78	1.56	1.42	1.34
576-0154.500DRT	154.500	A	0.5	125	1.78	1.56	1.42	1.34
576-0154.750DRT	154.750	A	0.75	125	1.57	1.37	1.25	1.18
576-0154001.DRT	154001	A	1	125	1.57	1.37	1.25	1.18
576-01541.5DRT	15401.5	A	1.5	125	1.57	1.37	1.25	1.18
576-0154002.DRT	154002	A	2	125	1.57	1.37	1.25	1.18
576-015402.5DRT	15402.5	A	2.5	125	1.57	1.37	1.25	1.18
576-0154003.DRT	154003	A	3	125	1.57	1.37	1.25	1.18
576-015403.5DRT	15403.5	A	3.5	125	1.57	1.37	1.25	1.18
576-0154004.DRT	154004	A	4	125	1.57	1.37	1.25	1.18
576-0154005.DRT	154005	A	5	125	1.57	1.37	1.25	1.18

NANO²® FUSE

Specifications:

- Operating temperature: -55°C to 125°C
- Insulation resistance: 10,000 ohms min.

451 Series-Very Fast Acting Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0451.062MRL	0451.062MRL	B	0.062	125	1.38	1.21	1.10	1.04
576-0451.125MRL	0451.125MRL	B	0.125	125	1.38	1.21	1.10	1.04
576-0451.200MRL	0451.200MRL	B	0.2	125	1.37	1.19	1.09	1.03
576-0451.250MRL	0451.250MRL	B	0.25	125	.61	.53	.49	.46
576-0451.315MRL	0451.315MRL	B	0.315	125	.61	.53	.49	.46
576-0451.375MRL	0451.375MRL	B	0.375	125	.61	.53	.49	.46
576-0451.400MRL	0451.400MRL	B	0.4	125	.61	.53	.49	.46
576-0451.630MRL	0451.630MRL	B	0.63	125	.61	.53	.49	.46
576-0451.750MRL	0451.750MRL	B	0.75	125	.61	.53	.49	.46
576-0451.800MRL	0451.800MRL	B	0.8	125	.61	.53	.49	.46
576-0451001.MRL	0451001.MRL	B	1	125	.61	.53	.49	.46
576-04511.25MRL	04511.25MRL	B	1.25	125	.61	.53	.49	.46
576-045101.5MRL	045101.5MRL	B	1.5	125	.61	.53	.49	.46
576-045101.6MRL	045101.6MRL	B	1.6	125	.61	.53	.49	.46
576-0451002.MRL	0451002.MRL	B	2	125	.61	.53	.49	.46
576-045102.5MRL	045102.5MRL	B	2.5	125	.61	.53	.49	.46
576-0451003.MRL	0451003.MRL	B	3	125	.61	.53	.49	.46
576-04513.15MRL	04513.15MRL	B	3.15	125	.61	.53	.49	.46
576-045103.5MRL	045103.5MRL	B	3.5	125	.61	.53	.49	.46
576-0451004.MRL	0451004.MRL	B	4	125	.61	.53	.49	.46
576-0451005.MRL	0451005.MRL	B	5	125	.61	.53	.49	.46
576-045106.3MRL	045106.3MRL	B	6.3	125	.61	.53	.49	.46
576-0451007.MRL	0451007.MRL	B	7	125	.61	.53	.49	.46
576-0451008.MRL	0451008.MRL	B	8	125	.61	.53	.49	.46
576-0451010.MRL	0451010.MRL	B	10	125	.97	.84	.77	.73

452 Series- SLO-BLO® Fuses

For quantities of 500 and up, call for quote.

576-0452.375MRL	0452.375MRL	B	0.375	125	.80	.70	.64	.61
576-0452.500MRL	0452.500MRL	B	0.5	126	.80	.70	.64	.61
576-0452.750MRL	0452.750MRL	B	0.75	127	.80	.70	.64	.61
576-0452001.MRL	0452001.MRL	B	1	128	.80	.70	.64	.61
576-045201.5MRL	045201.5MRL	B	1.5	133	.80	.70	.64	.61
576-0452002.MRL	0452002.MRL	B	2	129	.80	.70	.64	.61
576-045202.5MRL	045202.5MRL	B	2.5	134	.80	.70	.64	.61
576-0452003.MRL	0452003.MRL	B	3	130	.80	.70	.64	.61
576-045203.5MRL	045203.5MRL	B	3.5	135	.80	.70	.64	.61
576-0452004.MRL	0452004.MRL	B	4	131	.80	.70	.64	.61
576-0452005.MRL	0452005.MRL	B	5	132	.80	.70	.64	.61

NANO²® FUSE CONT.

453 Series NANO2® Very Fast-Acting Subminiature Surface Mount Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0453.250MR	453.250	B	0.25	125	.56	.49	.44	.42
576-0453.375MR	453.375	B	0.375	125	.56	.49	.44	.42
576-0453.500MR	453.500	B	0.5	125	.56	.49	.44	.42
576-0453.750MR	453.750	B	0.75	125	.56	.49	.44	.42
576-0453001.MR	453001	B	1	125	.56	.49	.44	.42
576-0453003.MR	453003	B	3	125	.56	.49	.44	.42
576-0453005.MR	453005	B	5	125	.56	.49	.44	.42
576-0453007.MR	453007	B	7	125	.56	.49	.44	.42
576-0453008.MR	453008	B	8	125	.56	.49	.44	.42
576-0453010.MR	453010	B	10	125	.88	.77	.70	.66
576-0453015.MR	453015	B	15	65	.88	.77	.70	.66
576-045302.5MR	45302.5	B	2.5	125	.56	.49	.44	.42
576-045303.5MR	45303.5	B	3.5	125	.56	.49	.44	.42

PICO® SMF FUSE

Specifications:

- Operating temperature: -55°C to 125°C
- Insulation resistance: 10,000 ohms min.

R459 Series-Very Fast Acting

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0459.125UR	459.125	C	0.125	125	.71	.63	.57	.53
576-0459.250UR	459.250	C	0.25	125	.71	.63	.57	.53
576-0459.375UR	459.375	C	0.375	125	.71	.63	.57	.53
576-0459.500UR	459.500	C	0.5	125	.52	.46	.42	.39
576-0459.750UR	459.750	C	0.75	125	.52	.46	.42	.39
576-0459001.UR	459001	C	1	125	.52	.46	.42	.39
576-045901.5UR	45901.5	C	1.5	125	.52	.46	.42	.39
576-0459002.UR	459002	C	2	125	.52	.46	.42	.39
576-045902.5UR	45902.5	C	2.5	125	.52	.46	.42	.39
576-0459003.UR	459003	C	3	125	.52	.46	.42	.39
576-045903.5UR	45903.5	C	3.5	125	.52	.46	.42	.39
576-0459004.UR	459004	C	4	125	.52	.46	.42	.39
576-0459005.UR	459005	C	5	125	.52	.46	.42	.39

R460 Series- SLO-BLO® Fuses

For quantities of 500 and up, call for quote.

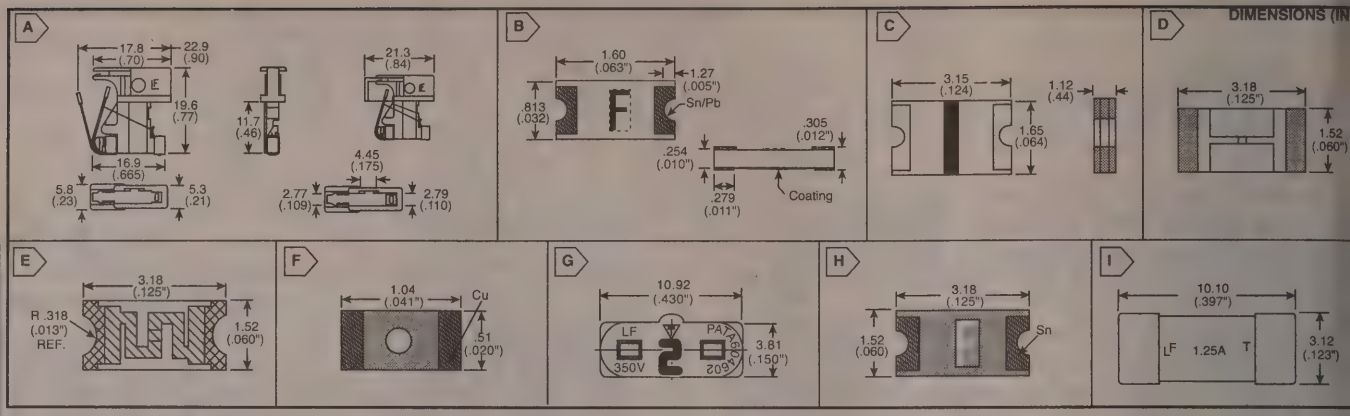
MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0460.375UR	460.375	C	0.375	125	1.10	.96	.88	.83
576-0460.500UR	460.500	C	0.5	125	1.10	.96	.88	.83
576-0460.750UR	460.750	C	0.75	125	1.10	.96	.88	.83
576-0460001.UR	460001	C	1	125	1.10	.96	.88	.83
576-046001.5UR	46001.5	C	1.5	125	1.10	.96	.88	.83
576-0460002.UR	460002	C	2	125	1.10	.96	.88	.83
576-046002.5UR	46002.5	C	2.5	125	1.10	.96	.88	.83
576-0460003.UR	460003	C	3	125	1.10	.96	.88	.83
576-046003.5UR	46003.5	C	3.5	125	1.10	.96	.88	.83
576-0460004.UR	460004	C	4	125	1.10	.96	.88	.83
576-0460005.UR	460005	C	5	125	1.10	.96	.88	.83

FLAT-PAK® SLO-BLO® SUBMINIATURE FUSES

465 Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0465001.DR	0465001.DR	D	1	250	.80	.70	.64	.61
576-04651.25DR	04651.25DR	D	1.25	250	.80	.70	.64	.61
576-046501.6DR	046501.6DR	D	1.6	250	.80	.70	.64	.61
576-0465002.DR	0465002.DR	D	2	250	.80	.70	.64	.61
576-046502.5DR	046502.5DR	D	2.5	250	.80	.70	.64	.61
576-04653.15DR	04653.15DR	D	3.15	250	.80	.70	.64	.61
576-0465004.DR	0465004.DR	D	4	250	.80	.70	.64	.61
576-0465005.DR	0465005.DR	D	5	250	.80	.70	.64	.61
576-046506.3DR	046506.3DR	D	6.3	250	.80	.70	.64	.61



481 SERIES INDICATING / ALARM FAST-ACTING FUSES

Specifications:

- Indicator flag: color-coded to indicate amp rating
- Body: black phenolic with UL 94V0 flammability rating
- Contacts: bright alloy-plated beryllium copper
- Voltage rating: 125VAC, 60VDC

For telecommunications equipment and similar applications.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0481.180H	481.180	A	0.18	125	1.15	1.00	.92	.87
576-0481.250H	481.250	A	0.25	125	1.15	1.00	.92	.87
576-0481.500H	481.500	A	0.5	125	1.15	1.00	.92	.87
576-0481.750H	481.750	A	0.75	125	1.15	1.00	.92	.87
576-0481001.H	481001	A	1	125	1.15	1.00	.92	.87
576-04811.33H	4811.33	A	1.33	125	1.15	1.00	.92	.87
576-048101.5H	48101.5	A	1.5	125	1.15	1.00	.92	.87
576-0481002.H	481002	A	2	125	1.15	1.00	.92	.87
576-0481003.H	481003	A	3	125	1.15	1.00	.92	.87
576-048103.5H	48103.5	A	3.5	125	1.15	1.00	.92	.87
576-0481004.H	481004	A	4	125	1.15	1.00	.92	.87
576-0481005.H	481005	A	5	125	1.15	1.00	.92	.87
576-048107.5H	48107.5	A	7.5	125	1.15	1.00	.92	.87
576-0481010.H	481010	A	10	125	1.15	1.00	.92	.87
576-0481015.H	481015	A	15	125	1.15	1.00	.92	.87
576-0481020.H	481020	A	20	125	1.92	1.67	1.53	1.44

SLIMLINE™ 0603 FUSE

Specifications:

- Operating temperature: -55°C to 125°C
- Insulation resistance: 10,000 ohms min.

434 Series-Very Fast Acting

For quantities of 500 and up, call for quote.

576-0434.250NRP	434.250	B	0.25	32	.51	.44	.41	.38
576-0434.375NRP	434.375	B	.375	32	.51	.44	.41	.38
576-0434.500NRP	434.500	B	0.5	32	.51	.44	.41	.38
576-0434.750NRP	434.750	B	0.75	32	.51	.44	.41	.38
576-0434001.NRP	434001	B	1	32	.51	.44	.41	.38
576-043401.5NRP	43401.5	B	1.5	32	.51	.44	.41	.38
576-0434002.NRP	434002	B	2	32	.51	.44	.41	.38
576-043402.5NRP	43402.5	B	2.5	32	.51	.44	.41	.38
576-0434003.NRP	434003	B	3	32	.51	.44	.41	.38
576-043403.5NRP	43403.5	B	3.5	32	.51	.44	.41	.38
576-0434004.NRP	434004	B	4	32	.51	.44	.41	.38
576-0434005.NRP	434005	B	5	32	.51	.44	.41	.38

SLIMLINE™ 1206 FUSE

1206L Series Resettable PTC's

For quantities of 500 and up, call for quote.

576-1206L020YRT	1206L020	C	0.2	15	.38	.34	.31	.29
576-1206L025YRT	1206L025	C	0.25	15	.38	.34	.31	.29
576-1206L035YRT	1206L035	C	0.35	6	.38	.34	.31	.29
576-1206L050WRT	1206L050	C	0.5	6	.38	.34	.31	.29
576-1206L075WRT	1206L075	C	0.75	6	.38	.34	.31	.29
576-1206L110WRT	1206L110	C	1.1	6	.38	.34	.31	.29
576-1206L150WRT	1206L150	C	1.5	6	.38	.34	.31	.29
576-1206L160WRT	1206L160	C	1.6	6	.38	.34	.31	.29

429 Series Very Fast Acting Surface Mount Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0429.125WRM	429.125	D	0.125	125	.51	.45	.41	.39
576-0429.200WRM	429.200	D	0.2	125	.42	.37	.34	.32
576-0429.250WRM	429.250	D	0.25	125	.42	.37	.34	.32
576-0429.375WRM	429.375	D	0.375	125	.42	.37	.34	.32
576-0429.500WRM	429.500	D	0.5	63	.42	.37	.34	.32
576-0429.750WRM	429.750	D	0.75	63	.42	.37	.34	.32
576-0429001.WRM	429001	D	1	63	.42	.37	.34	.32
576-04291.25WRM	4291.25	D	1.25	63	.42	.37	.34	.32
576-042901.5WRM	42901.5	D	1.5	63	.42	.37	.34	.32
576-0429002.WRM	429002	D	2	63	.42	.37	.34	.32
576-042902.5WRM	42902.5	D	2.5	32	.42	.37	.34	.32
576-0429003.WRM	429003	D	3	32	.42	.37	.34	.32
576-0429004.WRM	429004	D	4	24	.42	.37	.34	.32
576-0429005.WRM	429005	D	5	24	.51	.45	.41	.39
576-0429007.WRM	429007	D	7	24	.51	.45	.41	.39

SLIMLINE™ 1206 FUSE CONT.

430 Series-SLO-BLO® Fuses

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0430.500WR	430.500	E	0.5	63	.61	.53	.48	.46
576-0430001.WR	430001	E	1	63	.61	.53	.48	.46
576-043001.5WR	43001.5	E	1.5	63	.61	.53	.48	.46
576-0430002.WR	430002	E	2	63	.61	.53	.48	.46
576-0430003.WR	430003	E	3	32	.61	.53	.48	.46

433 Series- Very Fast Acting

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Littelfuse Part No.	Fig.*	Amp (A)	Volts (V)	Price Each 1	50	100	500
576-0433.125NR	433.125	B	0.125	125	.41	.35	.32	.31
576-0433.250NR	433.250	B	0.25	125	.41	.35	.32	.31
576-0433.375NR	433.375	B	0.375	125	.41	.35	.32	.31
576-0433.500NR	433.500	B	0.5	63	.41	.35	.32	.31
576-0433.750NR	433.750	B	0.75	63	.41	.35	.32	.31
576-0433.800NR	433.800	B	0.8	63	.41	.35	.32	.31
576-0433001.NR	433001	B	1	63	.41	.35	.32	.31
576-04331.25NR	4331.25	B	1.25	24	.41	.35	.32	.31
576-043301.5NR	43301.5	B	1.5	24	.41	.35	.32	.31
576-0433002.NR	433002	B	2	63	.41	.35	.32	.31
576-043302.5NR	43302.5	B	2.5	24	.41	.35	.32	.31
576-0433003.NR	433003	B	3	32	.41	.35	.32	.31
576-0433004.NR	433004	B	4	24	.49	.43	.39	.37
576-0433005.NR	433005	B	5	24	.49	.43	.39	.37

* Dimensions larger than shown, by factor of two.

435 Series Lead Free VFA Surface Mount Fuses

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0435.250KR	435.250	F	0.25	24	.61	.53	.48	.46
576-0435.500KR	435.500	F	0.5	24	.61	.53	.48	.46
576-0435002.KR	435002	F	2	24	.61	.53	.48	.46

446 Series Fast Acting Surface Mount Fuses

For quantities of 500 and up, call for quo

576-0446002.ZR	446002	G	2	350	.48	.42	.38	.36
576-0446003.ZR	446003	G	3	350	.48	.42	.38	.36
576-044607.5ZR	44607.5	G	7.5	350	.48	.42	.38	.36
576-0446010.ZR	446010	G	10	350	.48	.42	.38	.36

466 Series VFA Surface Mount Fuses

For quantities of 500 and up, call for quo

576-0466.125NR	466.125	H	0.125	125	.45	.39	.36	.34
576-0466.500NR	466.500	H	0.5	63	.45	.39	.36	.34
576-0466.750NR	466.750	H	0.75	63	.45	.39	.36	.34
576-0466002.NR	466002	H	2	63	.45	.39	.36	.34
576-046602.5NR	46602.5	H	2.5	32	.45	.39	.36	.34
576-0466003.NR	466003	H	3	32	.45	.39	.36	.34
576-0466004.NR	466004	H	4	24	.45	.39	.36	.34
576-0466005.NR	466005	H	5	24	.45	.39	.36	.34

461 Series NANO TELELINK Surface Mount Fuses

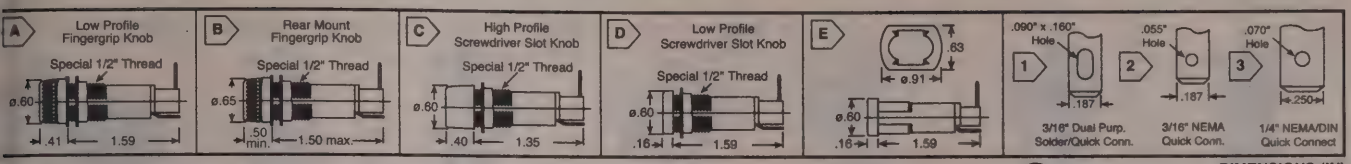
For quantities of 500 and up, call for quo

576-0461.500ER	461.500	I	0.5	250	.88	.76	.70	.66
576-04611.25ER	4611.25	I	1.25	250	.88	.76	.70	.66
576-0461002.ER	461002	I	2	250	.88	.76	.70	.66

467 Series VFA Surface Mount Fuses

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each 1	10	100	250
576-0467001.NR	467001	B	1	32	.56	.49	.45	.42
576-046701.5NR	46701.5	B	1.5	32	.56	.49	.45	.42
576-0467002.NR	467002	B	2	32	.56	.49	.45	.42
576-0467003.NR	467003	B	3	32	.56	.49	.45	.42
576-0467005.NR	467005	B	5	32	.56	.49	.45	.42



DIMENSIONS (IN)

LITTELFUSE INTERNATIONAL SHOCK-SAFE FUSE HOLDERS

for 5mm x 20mm Fuses, Right Angle Terminals

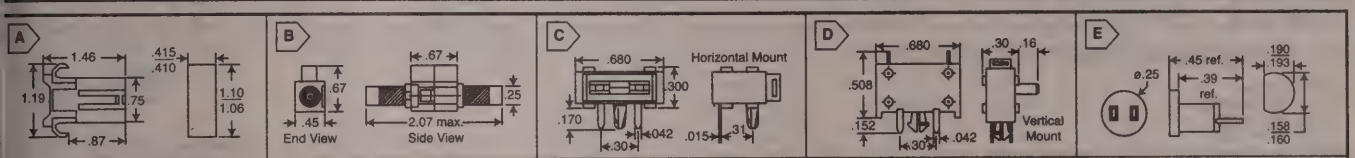
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Terminal Type	Size	Price Each 1	10	100	250
576-03455LF1H	03455LF1H	A	1	3/16"	1.49	1.30	1.19	1.12
576-03455LF3H	03455LF3H	A	2	3/16"	1.68	1.46	1.33	1.26
576-03455LF7H	03455LF7H	A	3	1/4"	1.68	1.46	1.33	1.26
576-03455RF1H	03455RF1H	B	1	3/16"	1.68	1.46	1.33	1.26
576-03455RF3H	03455RF3H	B	2	3/16"	1.77	1.54	1.40	1.33
576-03455RF7H	03455RF7H	B	3	1/4"	1.77	1.54	1.40	1.33
576-03455HS1H	03455HS1H	C	1	3//16"	1.49	1.30	1.19	1.12
576-03455HS3H	03455HS3H	C	2	3/16"	1.68	1.46	1.33	1.26
576-03455HS7H	03455HS7H	C	3	1/4"	1.68	1.46	1.33	1.26
576-03455LS1H	03455LS1H	D	1	3/16"	1.49	1.30	1.19	1.12
576-03455LS3H	03455LS3H	D	2	3/16"	1.68	1.46	1.33	1.26
576-03455LS7H	03455LS7H	D	3	1/4"	1.68	1.46	1.33	1.26
576-03455QS3H	03455QS3H	E	2	3/16"	1.77	1.54	1.40	1.33
576-03455QS7H	03455QS7H	E	3	1/4"	1.77	1.54	1.40	1.33

For 3ag Fuses, Right Angle Terminals

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Terminal Type	Size	Price Each 1	10	100	250
576-03453LF1H	03453LF1H	A	1	3/16"	1.39	1.22	1.11	1.05
576-03453LF3H	03453LF3H	A	2	3/16"	1.49	1.30	1.18	1.12
576-03453LF7H	03453LF7H	A	3	1/4"	1.49	1.30	1.18	1.12
576-03453RF1H	03453RF1H	B	1	3/16"	1.49	1.30	1.18	1.12
576-03453RF3H	03453RF3H	B	2	3/16"	1.58	1.38	1.26	1.19
576-03453RF7H	03453RF7H	B	3	1/4"	1.58	1.38	1.26	1.19
576-03453HS1H	03455HS1H	C	1	3/16"	1.49	1.30	1.19	1.12
576-03453HS3H	03455HS3H	C	2	3/16"	1.68	1.46	1.33	1.26
576-03453HS7H	03455HS7H	C	3	1/4"	1.68	1.46	1.33	1.26
576-03453LS1H	03453LS1H	D	1	3/16"	1.39	1.22	1.11	1.05
576-03453LS3H	03453LS3H	D	2	3/16"	1.49	1.30	1.18	1.12
576-03453LS7H	03453LS7H	D	3	1/4"	1.49	1.30	1.18	1.12
576-03453QS3H	03453QS3H	E	2	3/16"	1.58	1.38	1.26	1.19
576-03453QS7H	03453QS7H	E	3	1/4"	1.58	1.38	1.26	1.19



DIMENSIONS (IN)

LITTELFUSE FUSE HOLDERS

In-Line Fuseholder for ATO® Fuses

Specifications:

Ambient temperature: -40°C to +85°C
Body: Black thermoplastic,
Terminals: brass, tin plated, snap into body

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Description	Price Each 1	10	100	250
576-01550300Z	01550300Z	A	8" 14AWG Wire	1.37	1.00	.87	.80
576-01550400Z	01550400Z	A	8" 10AWG Wire	1.99	1.45	1.27	1.16

In-Line Easy Crimp Fuseholder for Mini Fuses

Specifications:

Ambient temperature: -40°C to +105°C
Body: Black thermoplastic
Terminals: copper alloy, tin plated

For quantities of 2000 and up, call for quote.

576-01530002Z	01530002Z	B	Accepts 16-22AWG Stranded	1.25	.91	.80	.73
576-01530003Z	01530003Z	B	Accepts 10-14AWG Stranded	1.25	.91	.80	.73

PC Board Mount Fuse Holders for Mini Fuses

Specifications:

Ambient Temperature -40C to +85C
Body: Black Thermoplastic, Terminals: Copper Alloy, Tin Plated
Compatibility: Standard 0.62" PCB Thickness

For quantities of 2000 and up, call for quote.

576-01530007Z	01530007Z	C	Horizontal Mount	1.40	1.02	.89	.81
576-01530009Z	01530009Z	D	Stackable Vertical Mount	1.40	1.02	.89	.81

Micro Fuse/PICO II 281 Series PCB Fuse Holder

Specifications:

Ambient Temperature -40C to +100C
Terminals: Silver plated, Copper Alloy

For quantities of 2000 and up, call for quote.

576-02810001H	02810001H	E	Blk Thermoplstc. Chassis Mt	2.79	2.03	1.77	1.62
576-02810005H	02810005H	F	Wht Thermoplstc, PCB Mt	1.85	1.34	1.18	1.08
576-02810007H	02810007H	-	Wht Thermoplstc, R/A, PCB Mt	2.49	1.81	1.59	1.45

Panel Mount RF Shielded/Watertight Holders for 3AG Fuses

For quantities of 2000 and up, call for quote.

576-03400267Z	340267	G	3AG Mil	23.37	20.45	18.67	17.53
576-03400312Z	340312	G	Shock Safe	17.40	15.23	13.90	13.05
576-03400313Z	340313	G	Shock Safe	17.40	15.23	13.90	13.05

RF Shielded 282 Series Micro Fuse Holder

Specifications:

- Housing, Knob, and Hardware: Aluminum, untreated
- Chromate finish for RF shielding
- Panel thickness (max): .093

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Description	Price Each 1	10	100	250
576-02820001Z	02820001Z	H	Front Panel Mount	15.49	13.55	12.39	11.62
576-02820002Z	02820002Z	H	Rear Panel Mount	15.49	13.55	12.39	11.62

Twist-Lock In-Line Fuse Holder

Specifications:

- Body: Black Thermoplastic
- Ambient Temperature: -40 C to +75 C
- 155120 for 3AG type fuse, 155100 comes with 2 different springs for SFE sized fuses.

For quantities of 2000 and up, call for quote.

576-015002157	015002157	I	Twist-Lock In Line	2.17	1.89	1.73	1.62
576-01550120ZXU	01550120ZXU	I	Rivets for up to 14 AWG wire	.39	.34	.31	.29
576-01550100Z	01550100Z	I	8" Loop 14AWG Red Insl.Wire	1.32	1.15	1.05	1.00

Heavy-Duty Bayonet Knob In-Line Fuse Holder

Specifications:

- Body: Black Thermoplastic
- Ambient Temperature: -40 C to +125 C
- 155020 for 3AG type fuse, 155145 comes with 2 different springs for SFE sized fuses

For quantities of 2000 and up, call for quote.

576-01550020ZXU	01550020ZXU	J	Rivets for up to 14 AWG wire	1.25	.91	.80	.73
576-01500145Z	01500145Z	J	15" Loop14AWG Red Insl.Wire	2.73	1.98	1.74	1.59

Fuse Blocks for Midget Series Fuses

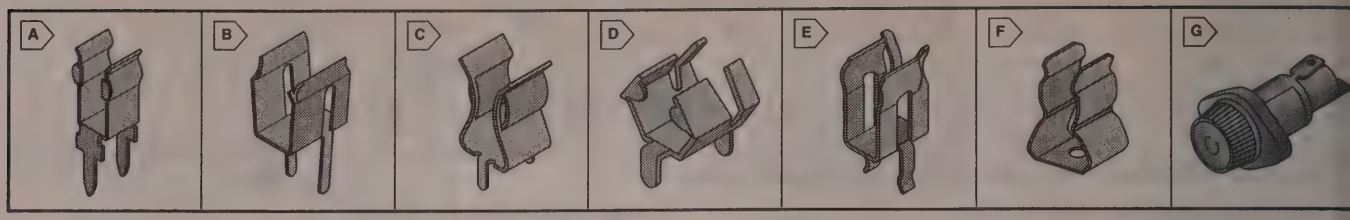
Features:

- Fits .406" x 1.5" (10.31mm x 38.1mm)
- 600 Volt Rating
- Interlocking features allow multiple pole capability
- Max. Wire Size: Box lug #6cu, screw #10cu

For quantities of 1000 and up, call for quote.

576-L60030M1C	L60030M1C	K	Box Lug, 1 Pole, 30A	7.69	6.70	6.13	5.75
576-L60030M2C	L60030M2C	K	Box Lug, 2 Poles, 30A	15.19	13.29	12.14	11.40
576-L60030M3C	L60030M3C	K	Box Lug, 3 Poles, 30A	22.99	20.13	18.38	17.25
576-L60030M1SQ	L60030M1SQ	K	Screw Term, 1 Pole, 20A	3.50	3.05	2.79	2.62
576-L60030M3SQ	L60030M3SQ	K	Screw Term, 2 Poles, 20A	8.05	7.02	6.42	6.02

LITTELFUSE Fuse Clips, Holders, and Blocks



FUSE CLIPS

For quantities of 500 and up, call for quot

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Mount Method	Fuse Type	Fuse Mounting	Price Each			
						1	10	100	250
576-01000054H	100054	A	Rivet/Eyelet	3AG/3AB	Cartridge	.18	.15	.14	.13
576-01000056H	100056	A	Rivet/Eyelet	3AG/3AB	Cartridge	.15	.13	.12	.11
576-01010001H	101001	A	Rivet/Eyelet	3AG/3AB	Cartridge	.12	.10	.09	.08
576-01010002H	101002	A	Rivet/Eyelet	3AG/3AB	Cartridge	.14	.12	.10	.10
576-01210002H	121002	A	Rivet/Eyelet	3AG/3AB	Cartridge	.56	.49	.45	.42
576-01000058N	100058	B	PC	3AG/3AB	Axial/Radial	.15	.13	.11	.10
576-01020071H	102071	C	PC	3AG/3AB	Cartridge	.11	.09	.08	.08
576-01020074H	102074	C	PC	3AG/3AB	Cartridge	.15	.12	.11	.10
576-01220083H	122083	C	PC	3AG/3AB	Cartridge	.33	.29	.26	.25
576-01220088H	122088	C	PC	3AG/3AB	Cartridge	.27	.24	.22	.20
576-01250001H	125001	C	PC	3AG/3AB	Cartridge	.70	.61	.56	.53
576-01020080H	102080	D	Rivet/Eyelet	NEC	Cartridge	.14	.12	.11	.10
576-01220090N	122090	D	Rivet/Eyelet	NEC	Cartridge	.30	.26	.24	.23
576-01270001H	127001	D	Rivet/Eyelet	NEC	Cartridge	1.94	1.69	1.54	1.46
576-01110501H	111501	E	PC	5x20mm	Axial/Radial	.15	.12	.11	.10
576-01110506H	111506	E	PC	5x20mm	Axial/Radial	.21	.19	.17	.16
576-01070002H	107002	F	Rivet/Eyelet	NEC	Cartridge	.44	.39	.35	.34

571 SERIES PANEL MOUNT FUSE HOLDERS

Specifications:
- 4000 V dielectric strenght
- Black Thermoplastic
- Fuse Diameter 13/32"

For quantities of 500 and up, call for quot

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Type	Amp Rating	Voltage Rating	Fuse Mounting	Price Each			
							1	10	100	250
576-05710007L	571007	G	Standard	30	600	1 13/32" - 1 1/2"	3.60	3.14	2.87	2.70
576-05710007LXP	571007P	G	Watertight	30	600	1 13/32" - 1 1/2"	4.36	3.80	3.48	3.26
576-05710008L	571008	G	Standard	30	600	1 13/32" - 1 1/2"	3.60	3.14	2.87	2.70
576-05710008LXP	571008P	G	Watertight	30	600	1 13/32" - 1 1/2"	4.36	3.80	3.48	3.26
576-05710027L	571027	G	Standard	20	600	1 5/18" - 1 3/8"	3.95	3.44	3.15	2.95
576-05710027LXP	571027P	G	Watertight	20	600	1 5/18" - 1 3/8"	4.68	4.08	3.73	3.50
576-05710028L	571028	G	Standard	20	600	1 5/18" - 1 3/8"	3.60	3.14	2.87	2.70
576-05710028LXP	571028P	G	Watertight	20	600	1 5/18" - 1 3/8"	4.36	3.80	3.48	3.26
576-057100CCL	5710CC	G	Standard	30	600	1 1/2"	4.53	3.94	3.61	3.38
576-057100CCLXP	5710CCP	G	Watertight	30	600	1 1/2"	5.27	4.59	4.20	3.94
576-05710RCCL	571RCC	G	Standard	30	600	1 1/2"	4.53	3.94	3.61	3.38
576-05710RCCLXP	571RCCP	G	Watertight	30	600	1 1/2"	5.27	4.59	4.20	3.94

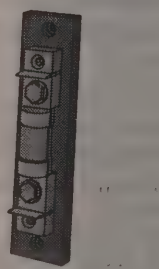
CLASS T FUSE BLOCKS

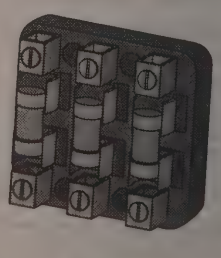
Features:
- Bases are molded phenolic. To provide a low resistance connection and long-range reliability, steel reinforcing springs are supplied as standard. Larger blocks employ an integral heat sink for maximum heat dissipation.

E14721 LR73091

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	No. of poles.	Amp Rating	Connector Type	Price Each			
					1	10	100	250
300V								
576-LT300302CR	LT30030-2CR	2	30	Box Lug	20.37	17.83	16.28	15.29
576-LT300302SR	LT30030-2SR	2	30	Screw	16.25	14.23	12.99	12.19
576-LT300303CR	LT30030-3CR	3	30	Box Lug	29.00	25.39	23.17	21.75
576-LT300602CR	LT30060-2CR	2	60	Box Lug	18.87	16.52	15.09	14.16
576-LT300603CR	LT30060-3CR	3	60	Box Lug	25.53	22.34	20.40	19.15
576-LT300604CR	LT30060-4CR	4	60	Box Lug	34.53	30.22	27.59	25.90
576-LT301001C	LT30100-1C	1	100	Box Lug	24.59	21.53	19.65	18.44
576-LT301002C	LT30100-2C	2	100	Box Lug	47.75	41.80	38.15	35.82
576-LT301003C	LT30100-3C	3	100	Box Lug	70.14	61.38	56.04	52.60
576-LT302001C	LT30200-1C	1	200	Box Lug	65.63	57.44	52.44	49.23
576-LT304001C	LT30400-1C	1	400	Box Lug	96.13	84.13	76.80	72.10
576-LT306001C	LT30600-1C	1	600	Box Lug	136.39	124.50	116.89	113.12
600V								
576-LT600301CR	LT60030-1CR	1	30	Box Lug	10.72	9.39	8.57	8.05
576-LT600301SR	LT60030-1SR	1	30	Screw	9.48	8.26	7.56	7.09
576-LT600302CR	LT60030-2CR	2	30	Box Lug	20.52	17.95	16.39	15.39
576-LT600302SR	LT60030-2SR	2	30	Screw	16.67	14.59	13.32	12.51
576-LT600303CR	LT60030-3CR	3	30	Box Lug	26.98	23.60	21.55	20.24
576-LT600303SR	LT60030-3SR	3	30	Screw	22.54	19.73	18.01	16.91
576-LT600601CR	LT60060-1CR	1	60	Box Lug	10.56	9.21	8.43	7.91
576-LT600602CR	LT60060-2CR	2	60	Box Lug	22.24	19.46	17.77	16.69
576-LT600603CR	LT60060-3CR	3	60	Box Lug	27.94	24.45	22.32	20.96
576-LT601001C	LT60100-1C	1	100	Box Lug	33.64	29.44	26.88	25.23
576-LT601002C	LT60100-2C	2	100	Box Lug	66.17	57.91	52.86	49.63
576-LT601003C	LT60100-3C	3	100	Box Lug	87.62	76.67	70.00	65.72
576-LT602001C	LT60200-1C	1	200	Box Lug	69.51	60.83	55.53	52.14
576-LT604001C	LT60400-1C	1	400	Box Lug	87.84	80.18	75.28	72.86
576-LT606001C	LT60600-1C	1	600	Box Lug	157.80	144.05	135.24	130.88





OURNS CONCAVE AND CONVEX TERMINATION CHIP RESISTOR ARRAYS, LEAD FREE

atures:
Lead free version
Concave and convex termination style
Resistance tolerance ±5 %
Suitable for most types of soldering processes

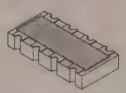
pecifications:
Operating temperature range: -55°C to +125°C

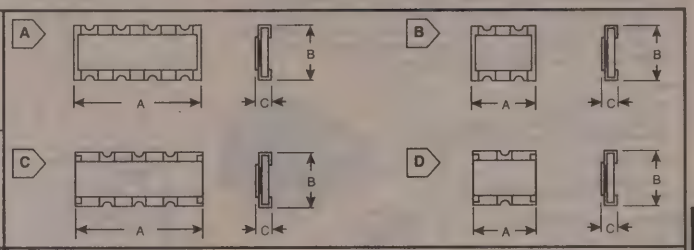
AT10, CAY10:
Package power rating @ 70°C: 125 mW (J4), 63 mW (J2)
CAT 10: insulated resistors in 0804 size package
CAY 10: 2/4 isolated resistors in 0404/0804 size package

AT16, CAY16:
Power rating per resistor: 62 mW
Number of elements (isolated): 4 (J4LF), 2 (J2LF)

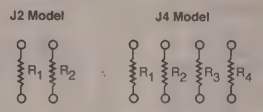
J2 Package

J4 Package





Circuit Schematics



DIMENSIONS mm (IN)

Model	A	B	C
CAT10-J4	2.0±0.10 (.079±.004)	1.0±0.10 (.039±.004)	0.4±0.15 (.015±.006)
CAY10-J4	2.0±0.10 (.079±.004)	1.0±0.10 (.040±.004)	0.35±0.10 (.014±.004)
CAT10-J2	1.00±0.10 (.040±.004)	1.0±0.10 (.040±.004)	0.35±0.10 (.014±.004)
CAT16-J4	3.20±0.20 (.126±.008)	1.60±0.20 (.063±.008)	0.50±0.10 (.020±.004)
CAY16-J4	3.20±0.20 (.126±.008)	1.60±0.20 (.063±.008)	0.50±0.10 (.020±.004)
CAT16-J2	1.60±0.15 (.032±.002)	1.60±0.15 (.063±.006)	0.60±0.15 (.024±.006)
CAY16-J2	1.60±0.15 (.063±.006)	1.60±0.15 (.063±.006)	0.50±0.10 (.020±.004)

For quantities 25,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	No. of Resistors	Element Size	Price Each 1	100	500	1000	5000	10000
CAT 10 Series Concave Termination Chip Resistor Array										
652-CAT10-000J4LF	A	0	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-3R0J4LF	A	3	4	0804	.12	.101	.094	.086	.072	.058
652-CAT10-5R1J4LF	A	5.1	4	0804	.12	.101	.094	.086	.072	.058
652-CAT10-7R5J4LF	A	7.5	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-100J4LF	A	10	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-150J4LF	A	15	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-180J4LF	A	18	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-220J4LF	A	22	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-240J4LF	A	24	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-330J4LF	A	33	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-470J4LF	A	47	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-510J4LF	A	51	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-241J4LF	A	240	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-103J4LF	A	10K	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-104J4LF	A	100K	4	0804	.10	.084	.078	.072	.056	.048
CAT16 Series Concave Termination Chip Resistor Arrays										
652-CAT16-000J4LF	A	0	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-3R0J4LF	A	3	4	1206	.09	.076	.070	.065	.054	.043
652-CAT16-100J2LF	B	10	2	0606	.09	.076	.070	.065	.054	.043
652-CAT16-100J4LF	A	10	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-220J4LF	A	22	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-220J2LF	B	22	2	0606	.09	.076	.070	.065	.054	.043
652-CAT16-270J4LF	A	27	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-330J4LF	A	33	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-470J4LF	A	47	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-510J4LF	A	51	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-560J4LF	A	56	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-680J4LF	A	68	4	1206	.09	.076	.070	.065	.054	.043
652-CAT16-750J4LF	A	75	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-101J4LF	A	100	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-151J4LF	A	150	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-221J4LF	A	220	4	1206	.18	.160	.150	.140	.120	.092
652-CAT16-271J4LF	A	270	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-331J4LF	A	330	4	1206	.18	.160	.150	.140	.120	.092
652-CAT16-431J4LF	A	430	4	1206	.06	.054	.050	.046	.039	.031
652-CAT-16-471J4LF	A	470	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-102J4LF	A	1K	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-152J4LF	A	1.5K	4	1206	.06	.054	.050	.046	.039	.031
652-CAT-16-222J4LF	A	2.2K	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-272J4LF	A	2.7K	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-332J4LF	A	3.3K	4	1206	.06	.054	.050	.046	.039	.031
652-CAT-16-472J4LF	A	4.7K	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-822J4LF	A	8.2K	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-103J4LF	A	10K	4	1206	.06	.054	.050	.046	.039	.031
652-CAT-16-203J4LF	A	20K	4	1206	.10	.084	.078	.072	.060	.048
652-CAT16-223J4LF	A	22K	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-473J4LF	A	47K	4	1206	.06	.054	.050	.046	.039	.031
652-CAT-16-104J4LF	A	100K	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-474J4LF	A	470K	4	1206	.06	.054	.050	.046	.039	.031
652-CAT16-105J4LF	A	1M	4	1206	.06	.054	.050	.046	.039	.031
CAY10 Series Convex Termination Chip Resistor Arrays										
652-CAY10-000J4LF	C	0	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-3R0J2LF	D	3	2	0404	.18	.160	.140	.130	.110	.090
652-CAY10-5R1J2LF	D	5.1	2	0404	.18	.160	.140	.130	.110	.090
652-CAY10-5R1J4LF	C	5.1	4	0804	.18	.160	.140	.130	.110	.090
652-CAY10-100J4LF	C	10	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-180J2LF	D	18	2	0404	.14	.120	.110	.100	.090	.070
652-CAY10-220J2LF	D	22	2	0404	.14	.120	.110	.100	.090	.070
652-CAY10-220J4LF	C	22	4	0804	.10	.080	.075	.070	.060	.050
652-CAY10-270J4LF	C	27	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-330J4LF	C	33	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-430J4LF	C	43	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-470J4LF	C	47	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-560J4LF	C	56	4	0804	.14	.120	.110	.100	.090	.070

For quantities 25,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	No. of Resistors	Element Size	Price Each 1	100	500	1000	5000	10000
CAY10 Series Convex Termination Chip Resistor Arrays (cont.)										
652-CAY10-101J4LF	C	100	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-331J4LF	C	330	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-471J4LF	C	470	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-102J4LF	C	1K	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-222J4LF	C	2.2K	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-332J4LF	C	3.3K	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-472J4LF	C	4.7K	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-822J4LF	C	8.2K	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-103J4LF	C	10K	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-473J4LF	C	47K	4	0804	.14	.120	.110	.100	.090	.070
652-CAY10-104J4LF	C	100K	4	0804	.14	.120	.110	.100	.090	.070
CAY16 Series Convex Termination Chip Resistor Arrays										
652-CAY16-000J4LF	C	0	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-3R0J4LF	C	3	4	1206	.06	.056	.052	.048	.040	.032
652-CAY16-100J4LF	C	10	4	1206	.15	.130	.120	.120	.095	.076
652-CAY16-150J4LF	C	15	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-220J2LF	D	22	2	0606	.06	.056	.052	.048	.040	.032
652-CAY16-220J4LF	C	22	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-240J4LF	C	24	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-270J4LF	C	27	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-330J4LF	C	33	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-390J4LF	C	39	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-470J4LF	C	47	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-510J4LF	C	51	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-560J4LF	C	56	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-680J4LF	C	68	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-820J4LF	C	82	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-101J4LF	C	100	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-121J4LF	C	120	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-151J4LF	C	150	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-181J4LF	C	180	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-221J4LF	C	220	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-271J4LF	C	270	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-331J4LF	C	330	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-391J4LF	C	390	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-471J4LF	C	470	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-561J4LF	C	560	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-102J4LF	C	1K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-122J4LF	C	1.2K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-152J4LF	C	1.5K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-222J4LF	C	2.2K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-272J4LF	C	2.7K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-332J4LF	C	3.3K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-472J4LF	C	4.7K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-562J4LF	C	5.6K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-682J4LF	C	6.8K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-822J4LF	C	8.2K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-103J4LF	C	10K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-123J4LF	C	12K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-153J4LF	C	15K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-163J4LF	C	16K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-223J4LF	C	22K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-333J4LF	C	33K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-473J4LF	C	47K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-563J4LF	C	56K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-823J4LF	C	82K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-104J4LF	C	100K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-124J4LF	C	120K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-154J4LF	C	150K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-224J4LF	C	220K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-474J4LF	C	470K	4	1206	.05	.040	.037	.034	.029	.023
652-CAY16-684J4LF	C	680K	4	1206	.06	.054	.050	.046	.039	.031
652-CAY16-105J4LF	C	1M	4	1206	.05	.040	.037	.034	.029	.023

BOURNS Thin Film on Silicon Isolated Resistors

BOURNS® Reliable Electronic Solutions

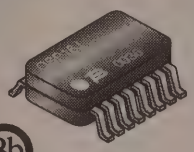
2QSP/2NBS-XX1 SERIES ISOLATED

Isolated resistor networks are commonly used in digital circuits where series resistors are required on the system bus. Fabricated with Tantalum Nitride and Nickel Chromium technology on Silicon, these resistors feature excellent stability, TCR and tracking performance. This product series is available in a range of miniature package types conforming to JEDEC standards.

Features:
- Multiple isolated resistors
- Stable thin-film-on-silicon technology
- Ultra-miniature packages to JEDEC standards

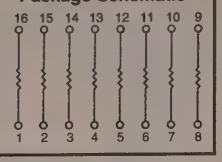
Applications:
- Pull-up/pull-down
- Ideal for space-constrained applications

Electrical Characteristics:
- Max. TCR: 150 ppm/°C
- Max. Operating Voltage: 50V
- Operating Temperature: -55/+125°C



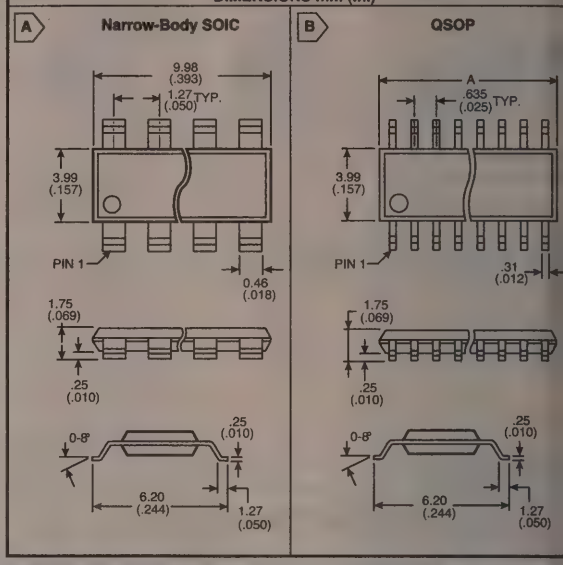
LEAD-FREE

Package Schematic



Model	A
2QSP16	4.80-4.98 (.189-.196)
2QSP20	8.56-8.74 (.337-.344)
2QSP24	8.56-8.74 (.337-.344)
2NBS16	9.80-9.98 (.386-.393)

DIMENSIONS mm (In.)



For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	No. of Resistors	Value Ω	Tolerance	Price Each 1	25	50	100	200	500	1000
Narrow-body SOIC Package												
652-2NBS16-TG1-220LF	A	16	8	22	2%	1.36	1.19	1.11	1.02	.85	.77	.68
652-2NBS16-TG1-510LF	A	16	8	51	2%	1.36	1.19	1.11	1.02	.85	.77	.68
652-2NBS16-TG1-103LF	A	16	8	10K	2%	1.36	1.19	1.11	1.02	.85	.77	.68
QSOP Package												
652-2QSP16-TJ1-330LF	B	16	8	33	5%	1.64	1.44	1.33	1.23	1.03	.92	.82
652-2QSP16-TJ1-470LF	B	16	8	47	5%	1.64	1.44	1.33	1.23	1.03	.92	.82
652-2QSP16-TJ1-101LF	B	16	8	100	5%	1.68	1.47	1.37	1.26	1.05	.84	.74
652-2QSP20-TJ1-330LF	B	20	10	33	5%	1.76	1.54	1.43	1.32	1.10	.99	.88
652-2QSP24-TJ1-330LF	B	24	12	33	5%	2.00	1.75	1.63	1.50	1.25	1.13	1.00
652-2QSP24-TJ1-272LF	B	24	12	2.7K	5%	2.00	1.75	1.63	1.50	1.25	1.13	1.00
652-2QSP24-TJ1-103LF	B	24	12	10K	5%	2.00	1.75	1.63	1.50	1.25	1.13	1.00

BOURNS Thin Film on Silicon Bussed Resistors

BOURNS® Reliable Electronic Solutions

2QSP/2NBS-XX2 SERIES

Bussed Resistor networks are typically used in DC pull-up and pull-down applications where system data or control lines must be tied to a fixed potential. Fabricated with a tantalum Nitride and Nickel Chromium on Silicon process, these resistors feature excellent stability, TCR and tracking performance. Bussed resistor networks are available in a range of miniature package types conforming to JEDEC standards.

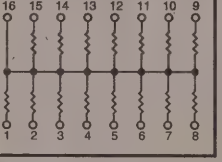
Features:
- Multiple isolated resistors
- Stable thin-film-on-silicon technology
- Ultra-miniature packages to JEDEC standards

Applications:
- Pull-up/pull-down
- Ideal for space-constrained applications

Electrical Characteristics:
- Max. TCR: 150 ppm/°C
- Max. Operating Voltage: 50V
- Operating Temperature: -55/+125°C

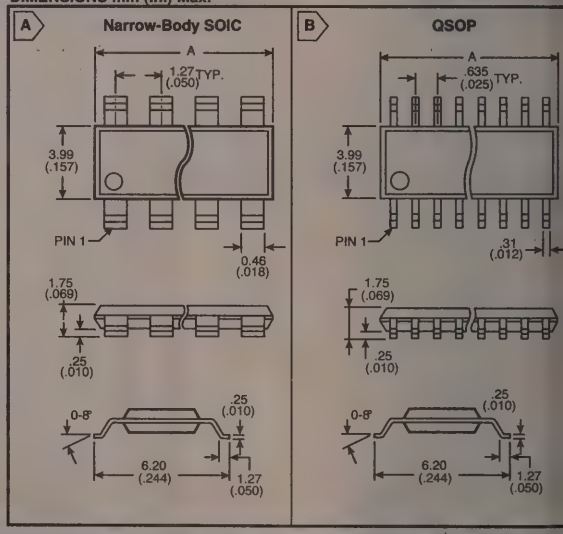
LEAD-FREE

Package Schematic



Model	A
2QSP16	4.80-4.98 (.189-.196)
2NBS16	9.80-9.98 (.386-.393)

DIMENSIONS mm (In.) Max.



For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	No. of Resistors	Value Ω	Tolerance	Price Each 1	25	50	100	200	500	1000
Narrow-body SOIC Package												
652-2NBS16-TG2-472LF	A	16	15	4.7K	2%	1.36	1.19	1.11	1.02	.85	.77	.68
652-2NBS16-TG2-103LF	A	16	15	10K	2%	1.36	1.19	1.11	1.02	.85	.77	.68
652-2NBS16-TG2-513LF	A	16	15	51K	2%	1.36	1.19	1.11	1.02	.85	.77	.68
QSOP Package												
652-2QSP16-TJ2-102LF	B	16	15	1K	5%	1.04	1.44	1.33	1.23	1.03	.92	.82
652-2QSP16-TJ2-472LF	B	16	15	4.7K	5%	1.04	1.44	1.33	1.23	1.03	.92	.82
652-2QSP16-TJ2-103LF	B	16	15	10K	5%	1.04	1.44	1.33	1.23	1.03	.92	.82

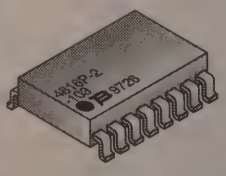
BOURNS 2% SMD Thick Film Resistor Networks

BOURNS® Reliable Electronic Solutions

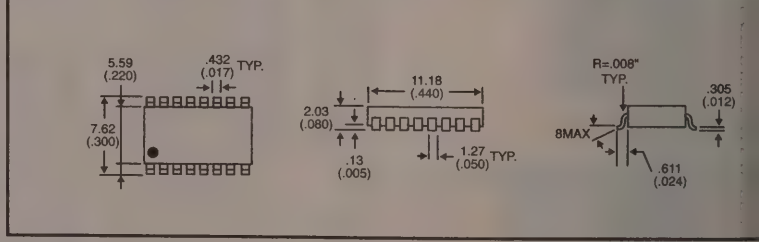
4800P SERIES

Specifications:
- Maximum Operating Voltage: 50V
- Temperature Coefficient of Resistance: 50Ω and above = ±100ppm/°C; below 50Ω = ±250ppm/°C
- Operating Temperature: -55°C to +125°C
- Insulation Resistance: 10,000 MΩ min.
- Dielectric Withstanding Voltage: 200 VRMS
- Package Power Rating at 70°C: 4816P: 1.28 watts
- Resistor Tolerance: 10 Ω to 49 Ω = ±1 Ω, 50 Ω to 5 MΩ = ±2%

Features:
- Standard E.I.A. package compatible with automatic placement equipment
- Standard Packaging 50 per tube
- Marking on contrasting background for permanent identification
- Compliant leads to reduce solder joint fatiguing
- Standard electrical schematics: isolated, bussed



DIMENSIONS mm (I

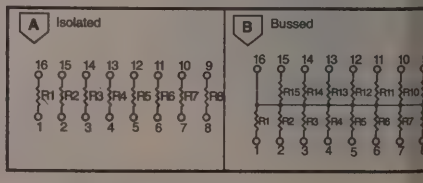


For quantities of 1,500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each 1	50	100	500	1000
652-4816P-T01-Value	A	16	1.09	.83	.70	.60	.50
652-4816P-T02-Value	B	16	1.09	.83	.70	.60	.50
Lead Free							
652-4816P-T1LF-Value	A	16	1.09	.83	.70	.60	.50
652-4816P-T2LF-Value	B	16	1.09	.83	.70	.60	.50

Table of Stocked Values (Ω)

22	82	330	1.2K	3.9K	15K	47K	180K	680K
27	100	390	1.5K	4.7K	18K	56K	220K	820K
33	120	470	1.8K	5.6K	20K	68K	270K	1M
39	150	560	2K	6.8K	22K	82K	330K	
47	180	680	2.2K	8.2K	27K	100K	390K	
56	220	820	2.7K	10K	33K	120K	470K	
68	270	1K	3.3K	12K	39K	150K	560K	



MOUSER ELECTRONICS a tti company (800) 346-6873

BOURNS 2% DIP Thick Film Resistor Networks

BOURNS®
Reliable Electronic Solutions

4100R SERIES

Specifications:

Molded Construction
Resistance range: 10Ω to 220KΩ
Temperature coefficient: 50Ω to 2.2MΩ = ±100 ppm/ °C
below 50Ω = ± 250 ppm/ °C
Resistor Tolerance: 10 Ω to 49 Ω = ±1 Ω
50 Ω to 5 MΩ = ±2%
Package Power Rating at 70°C
4114R: 2.00 watts
4116R: 2.25 watts

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each 1	50	100	500	1000
652-4114R-1-Value	A	14	.50	.42	.36	.30	.25
652-4114R-2-Value	B	14	.50	.42	.36	.30	.25
652-4116R-1-Value	A	16	.52	.43	.37	.31	.26
652-4116R-2-Value	B	16	.52	.43	.37	.31	.26
Lead Free							
652-4114R-1LF-Value	A	14	.49	.41	.35	.29	.24
652-4114R-2LF-Value	B	14	.49	.41	.35	.29	.24
652-4116R-1LF-Value	A	16	.51	.42	.36	.30	.25
652-4116R-2LF-Value	B	16	.51	.42	.36	.30	.25

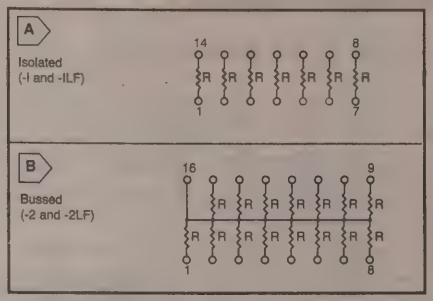
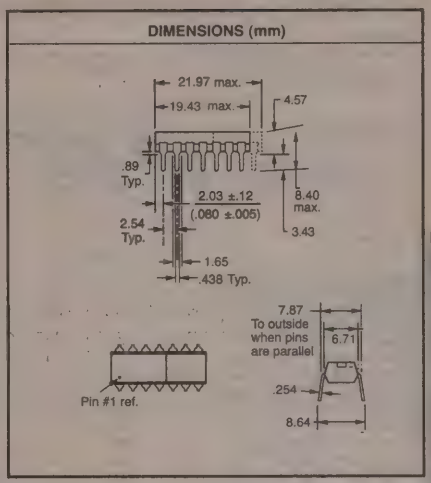


Table of Standard Values (Ω)
Other values available.

10	120	390	1.5K	4.7K	18K	68K
22	150	470	1.8K	5.6K	22K	100K
33	180	560	2K	6.8K	27K	150K
39	220	680	2.2K	8.2K	33K	220K
47	270	1K	2.7K	10K	47K	
100	330	1.2K	3.3K	15K	56K	



BOURNS 2% SIP Thick Film Resistor Networks

BOURNS®
Reliable Electronic Solutions

4300R SERIES

Specifications:

Molded construction
Resistance range: 10Ω to 1MΩ
Temperature coefficient of resistance:
50Ω to 1M = ±100 ppm/°C
< 50Ω = ±250 ppm/°C
> 1MΩ = ±250 ppm/°C
- Resistor Tolerance:
10 Ω to 49 Ω = ±1 ohm
50 Ω to 5 MΩ = ±2%
- Package Power Rating at 70°C
4306R: 0.75 watts
4308R: 1.00 watts
4310R: 1.25 watts

For quantities of 750 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each 1	35	140	350	700
652-4306R-101-Value	A	6	.47	.41	.30	.25	.21
652-4306R-102-Value	B	6	.47	.41	.30	.25	.21
652-4308R-101-Value	A	8	.54	.48	.34	.30	.28
652-4308R-102-Value	B	8	.54	.48	.34	.30	.28
652-4310R-101-Value	A	10	.57	.49	.40	.34	.29
652-4310R-102-Value	B	10	.57	.49	.40	.34	.29
Lead Free							
652-4306R-1LF-Value	A	6	.45	.40	.29	.24	.20
652-4306R-2LF-Value	B	6	.45	.40	.29	.24	.20
652-4308R-1LF-Value	A	8	.52	.47	.33	.29	.27
652-4308R-2LF-Value	B	8	.52	.47	.33	.29	.27
652-4310R-1LF-Value	A	10	.55	.48	.39	.33	.28
652-4310R-2LF-Value	B	10	.55	.48	.39	.33	.28

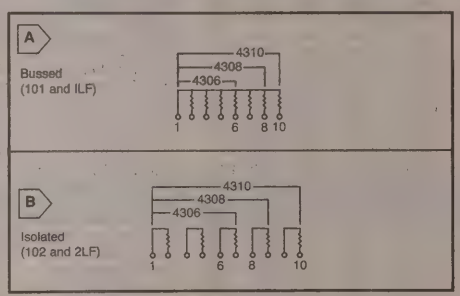
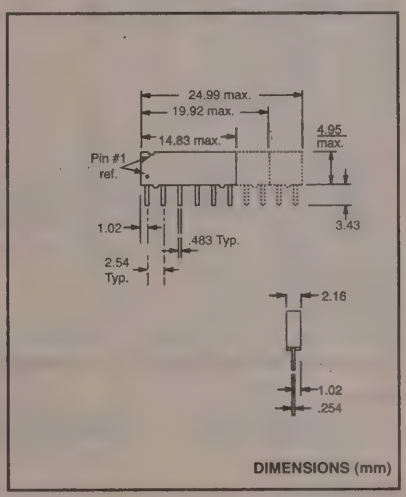


Table of Standard Values (Ω)
Other values available.

22	120	390	1.2K	3.3K	10K	33K	220K
39	150	470	1.5K	3.9K	12K	39K	470K
47	180	560	1.8K	4.7K	15K	47K	1M
56	220	680	2K	5.6K	20K	56K	
68	270	820	2.2K	6.8K	22K	68K	
100	330	1K	2.7K	8.2K	27K	100K	

Also available in 9 and 11 pin configurations.



BOURNS 2% SIP Conformal Coated Resistor Networks

BOURNS®
Reliable Electronic Solutions

4600X SERIES

Specifications:

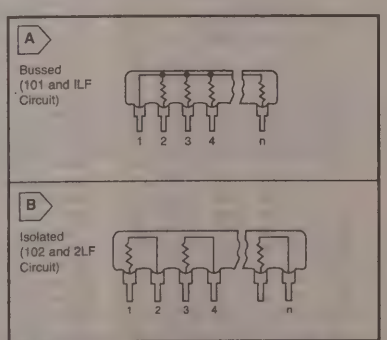
Standard resistance range: 22Ω to 1MΩ
Standard resistance tolerance:
50Ω-5MΩ ±2% <49Ω=1Ω)
Operating temperature range: -55°C to +125°C
Temperature coefficient of resistance:
±100ppm/°C (<50Ω = ±250ppm/°C)
Operating voltage: 100VDC max.
Insulation resistance: 10,000MΩ min.
Resistor Tolerance: 10 Ω to 49 Ω
= ±1 Ω, 50 Ω to 5, MΩ = ±2%

Features:

- Low profile is compatible with dips
- Ammo-pak packaging available
- Recommended for rosin flux, and solvent clean or no clean flux process

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each 1	50	100	500	1000
652-4606X-101-Value	A	6	.25	.18	.16	.13	.11
652-4606X-102-Value	B	6	.25	.18	.16	.13	.11
652-4608X-101-Value	A	8	.30	.23	.20	.16	.14
652-4608X-102-Value	B	8	.30	.23	.20	.16	.14
652-4610X-101-Value	A	10	.36	.28	.24	.20	.17
652-4610X-102-Value	B	10	.36	.28	.24	.20	.17
Lead Free							
652-4606X-1LF-Value	A	6	.23	.17	.15	.12	.10
652-4606X-2LF-Value	B	6	.23	.17	.15	.12	.10
652-4608X-1LF-Value	A	8	.28	.22	.19	.15	.13
652-4608X-2LF-Value	B	8	.28	.22	.19	.15	.13
652-4610X-1LF-Value	A	10	.33	.26	.23	.19	.16
652-4610X-2LF-Value	B	10	.33	.26	.23	.19	.16



No. of Pins	6	8	10
"L" Max. (mm)	15.19	20.27	25.35

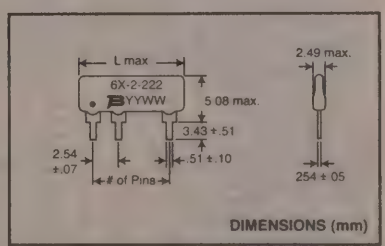


Table of Standard Values (Ω)

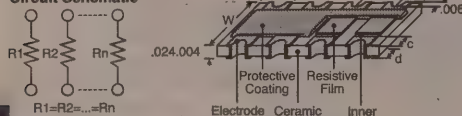
22	82	330	1.2K	3.9K	15K	56K	270K
27	100	390	1.5K	4.7K	18K	68K	330K
33	120	470	1.8K	5.6K	20K	82K	390K
39	150	560	2K	6.8K	22K	100K	470K
47	180	680	2.2K	8.2K	27K	120K	560K
56	220	820	2.7K	10K	33K	150K	680K
68	270	1K	3.3K	12K	39K	180K	820K
					47K	220K	1M

KOA 0402, 0603, 0805, 1206 - 5% SMD Resistor Array

KOA SPEER 5% CONCAVE TERMINATION RESISTOR ARRAYS

Features:
- Manufactured to type RK73 standards
- Less board space than individual chips
- Isolated resistor elements
- Marking: Marked with resistance value
- Tolerance: 5%
- Operating temperature range: -55°C to +150°C

Circuit Schematic



Size Code	Dimensions In (mm)					
	L	W	C	d	a	p (ref.)
1J2	.063±.006 (1.6±0.15)	.063±.006 (1.6±0.15)	.012±.006 (0.3±0.15)	.016±.006 (0.4±0.15)	.020±.006 (0.5±0.15)	.031 (0.8)
1J4	.126±.008 (3.2±0.2)					
1J8	.252±.008 (6.4±0.2)					

Size Code	Dimensions IN (mm)					
	L	W	C	d	a	p (re
2A2	0.1±.008 (2.54±0.2)	.079±.008 (2.0±0.2)	.016±.008 (0.4±0.2)	.022±.006 (.055±0.15)	.031 (0.8)	.05 (1.2
2A4	0.2±.008 (5.08±0.2)					
2A8	0.4±.008 (10.16±0.2)					
2B2	0.1±.008 (2.54±0.2)	.126±.008 (3.2±0.2)	.020±.012 (0.5±0.3)			
2B4	0.2±.008 (5.08±0.2)					
2B8	0.4±.008 (10.16±0.2)					

MOUSER STOCK NO.	Value (Ω)	No. of Resistors	Element Size	No. of Leads	Price Each 1	100	500	1000	Reel Qty.	Price Ea.
660-CN1J2LTD100J	10	2	603	4	.03	.023	.02	.015	5000	.012
660-CN1J2LTD330J	33	2	603	4	.03	.023	.02	.015	5000	.012
660-CN1J2LTD331J	330	2	603	4	.03	.023	.02	.015	5000	.012
660-CN1J2LTD104J	100K	2	603	4	.03	.023	.02	.015	5000	.012
660-CN1J4LTD100J	10	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD150J	15	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD200J	20	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD220J	22	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD240J	24	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD270J	27	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD330J	33	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD390J	39	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD470J	47	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD510J	51	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD560J	56	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD680J	68	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD750J	75	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD820J	82	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD101J	100	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD151J	150	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD221J	220	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD331J	330	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD471J	470	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD561J	560	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD681J	680	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD102J	1K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD222J	2.2K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD272J	2.7K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD332J	3.3K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD472J	4.7K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD562J	5.6K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD103J	10K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD153J	15K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4LTD203J	20K	4	603	8	.04	.03	.024	.02	5000	.016

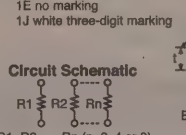
MOUSER STOCK NO.	Value (Ω)	No. of Resistors	Element Size	No. of Leads	Price Each 1	100	500	1000	Reel Qty.	Price Ea.
660-CN1J4LTD223J	22K	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4LTD333J	33K	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4LTD473J	47K	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4LTD104J	100K	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4LTD105J	1M	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J8LTE220J	22	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8LTE330J	33	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8LTE470J	47	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8LTE510J	51	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8LTE101J	100	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8LTE221J	220	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8LTE331J	330	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8LTE471J	470	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8LTE102J	1K	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8LTE472J	4.7K	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8LTE103J	10K	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8LTE104J	100K	8	603	16	.37	.29	.22	.18	4000	.15
660-CN2A4LTE220J	22	2	805	4	.15	.12	.09	.08	4000	.06
660-CN2A4LTE330J	33	2	805	4	.15	.12	.09	.08	4000	.06
660-CN2A4LTE101J	100	2	805	4	.15	.12	.09	.08	4000	.06
660-CN2A4LTE471J	470	2	805	4	.15	.12	.09	.08	4000	.06
660-CN2A4LTE102J	1K	2	805	4	.15	.12	.09	.08	4000	.06
660-CN2A4LTE472J	4.7K	2	805	4	.15	.12	.09	.08	4000	.06
660-CN2A4LTE103J	10K	2	805	4	.15	.12	.09	.08	4000	.06
660-CN2B4LTE220J	22	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4LTE330J	33	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4LTE101J	100	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4LTE331J	330	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4LTE103J	10K	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4LTE222J	2.2K	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4LTE472J	4.7K	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4LTE473J	47K	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4LTE104J	100K	4	1206	8	.15	.12	.09	.08	4000	.05

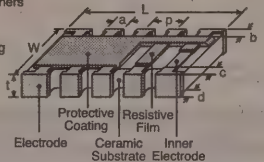
KOA SPEER 5% CONVEX TERMINATION RESISTOR ARRAYS

Features:
- Manufactured to type RK73 standards
- Less board space than individual chips
- Isolated resistor elements
- Convex terminators with square corners
- Marking: Body color black
  1E no marking
  1J white three-digit marking

Specifications:
- TCR: ±200
- Power Rating: 63mW
- Resistance Tolerance: 5%
- Operating Temperature Range: -55°C to +125°C

Circuit Schematic





Size Code	Dimensions In (mm)							
	L	W	C	d	t	a (ref.)	b (ref.)	p (ref.)
1E2K	.039±.004 (1.0±0.1)	.039±.004 (1.0±0.1)	.006±.004 (0.15±0.1)	.011±.006 (0.3±0.16)	.014 (0.35)	.014±.004 (.035±0.1)	.007±.002 (0.17±0.05)	.026±.00 (0.67±0.1
1E4K	.079±.004 (2.0±0.1)			0.10±.004 (0.25±0.1)		0.12±.004 (0.3±0.1)	.006±.004 (0.15±0.1)	.020 (0.5)
1J2K	.063±.006 (1.6±0.15)	.063±.006 (1.6±0.15)	.012±.008 (0.3±0.2)	.010±.004 (0.25±0.1)	.020 (0.5)	.020 (0.5)	.012 (0.3)	0.31 (0.8)
1J4K	.126±.006 (3.2±0.15)							

MOUSER STOCK NO.	Value (Ω)	No. of Resistors	Element Size	No. of Leads	Price Each 1	100	500	1000	Reel Qty.	Price Ea.
660-CN1E2KLTD100J	10	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD220J	22	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD240J	24	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD330J	33	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD390J	39	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD430J	43	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD510J	51	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD560J	56	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD820J	82	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD101J	100	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD111J	110	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD161J	160	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD181J	180	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD201J	200	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD271J	270	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD511J	510	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD102J	1K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD202J	2K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD392J	3.9K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD432J	4.3K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD472J	4.7K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD103J	10K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KLTD104J	100K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E4KLTD100J	10	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD220J	22	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD240J	24	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD270J	27	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD330J	33	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD390J	39	4	402	8	.08	.06	.05	.04	10000	.03

MOUSER STOCK NO.	Value (Ω)	No. of Resistors	Element Size	No. of Leads	Price Each 1	100	500	1000	Reel Qty.	Price Ea.
660-CN1E4KLTD470J	47	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD510J	51	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD560J	56	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD620J	62	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD680J	68	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD101J	100	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD121J	120	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD221J	220	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD241J	240	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD331J	330	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD102J	1K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD222J	2.2K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD272J	2.7K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD472J	4.7K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD822J	8.2K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD103J	10K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD473J	47K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KLTD104J	100K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1J4KLTD100J	10	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4KLTD150J	15	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4KLTD300J	30	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4KLTD330J	33	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4KLTD201J	200	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4KLTD431J	430	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4KLTD681J	680	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4KLTD102J	1K	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4KLTD472J	4.7K	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4KLTD562J	5.6K	4	603	8	.04	.03	.024	.02	5000	.01
660-CN1J4KLTD103J	10K	4	603	8	.04	.03	.024	.02	10000	.01

MOUSER ELECTRONICS a tti company (800) 346-6873

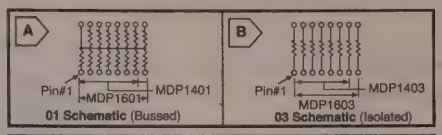
VISHAY / DALE 2% Thick Film Resistor Networks

DP SERIES - MOLDED DIP

atures:
ual-in-line, molded DIP
60" [4.06mm] maximum seated height
ugged, molded case construction
ighly stable thick film
ow temperature coefficient (-55°C to +125°C) ±100PPM/°C
ompatible with automatic inserting equipment
ide resistance range

ctrical Specifications:
erance: ±2% standard
mperature coefficient: -55°C to +125°C
sistor power rating: 70°C max.
Schematics = .125 watt; 03 Schematic = .250 watt
perating temperature range: -55°C to +125°C

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each 1	25	100	200
-MDP1401-Value	A	14	.56	.52	.45	.39
-MDP1601-Value	A	16	.56	.52	.45	.39
-MDP1403-Value	B	14	.56	.52	.45	.39
-MDP1603-Value	B	16	.56	.52	.45	.39

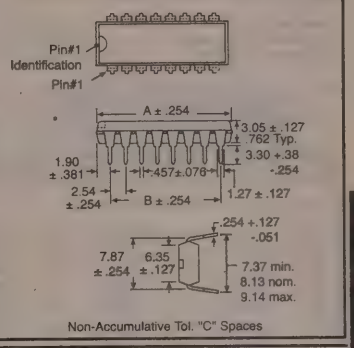


TYPE	Dim. A (mm)	Dim. B (mm)	C
MDP14	19.05	15.24	6
MDP16	21.59	17.78	7

Table of Values (Ω)

22	150	1K	5.6K	39K	330K
27	180	1.2K	6.8K	47K	390K
33	200	1.5K	8.2K	51K	470K
39	220	1.8K	10K	68K	510K
47	270	2K	12K	82K	560K
51	330	2.2K	15K	100K	680K
56	390	2.7K	18K	120K	820K
68	470	3.3K	20K	150K	1M
82	510	3.9K	22K	180K	
100	560	4.7K	27K	200K	
120	820	5.1K	33K	220K	

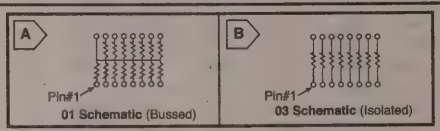
DIMENSIONS (mm)



Non-Accumulative Tol. "C" Spaces

SOMC SERIES

atures:
50" [1.27mm] lead spacing
90" [2.29mm] maximum seated height
lugged, molded case construction
ighly stable thick film
ow temperature coefficient (-55°C to +125°C) ±100PPM/°C
educes total assembly costs
ompatible with automatic surface mounting equipment
ide resistance range available
niform performance characteristics
eets EIA PDP100, SOGN-0002 outline dimensions

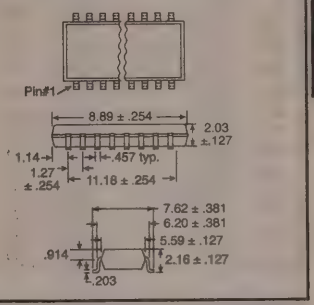


Electrical Specifications:
- Resistance range: 10 ohm to 1 Megohm standard. Zero ohm jumpers available.
- Tolerance: 01 and 03 schematic= ±2% standard. ±1%, ±5%, ±10%, ±20% available.
- Temperature coefficient: (-55°C to +125°C) ±100PPM/°C typical
- Resistor power rating: 70°C max.
  01 Schematics = .080 watt; 03 Schematic = .160 watt
- Operating temperature range: -55°C to +125°C

Available in 14 and 20 pin style, additional resistance values, in isolated and bussed styles.

MOUSER STOCK NO.	Fig.	No. of Pins	Values (Ω)	Price Each 1	50	100	200	400
-SOMC1601-Value	A	16	22, 470, 1K, 2.2K, 4.7K, 6.8K, 10K, 22K, 47K,100K	.94	.75	.66	.56	.48
-SOMC1603-Value	B	16	22, 33, 47, 100, 220, 330, 1K, 2.2K, 4.7K, 10K, 100K	.94	.75	.66	.56	.48

DIMENSIONS (mm)



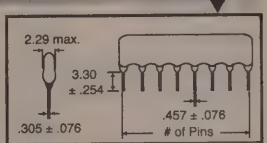
VISHAY / DALE 2% SIP Thick Film Resistor Networks

SC SERIES - 2% CONFORMAL COATED SIP RESISTOR NETWORKS

Features:
- .195 (4.95mm) "A"
- "A" profile standard in 6 thru 10 pins

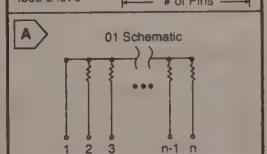
Specifications:
- Standard resistance tolerance: ±2%
- Operating temperature range: -55°C to +125°C
- Temperature coefficient of resistance: (-55°C to +125°C) ±100ppm/°C typical
- Operating voltage: 100VDC max.
- Resistor power rating: (max. @ +70°C) fig. A .125W, fig. B .20W

DIMENSIONS (mm)



ne Pin Common Configuration

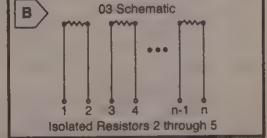
MOUSER STOCK NO.	Fig.	Value (Ω)	Power Dissipation Per Circuit	Total Pkg. (Max.)	No. of Pins (N)	No. of Res.	Price Each 1	100	200	500	1000+
-CSC06A01-Value	A	220, 330, 560, 680, 1K, 1.5K, 2.2K, 3.3K, 4.7K, 6.8K, 10K, 22K, 47K, 56K, 100K, 220K, 330K, 1M	.125	.75	6	5	.19	.15	.13	.11	Call For Quote
-CSC08A01-Value	A	330, 470, 1K, 2.2K, 3.3K, 4.7K, 10K, 22K, 33K, 47K, 100K	.125	1	8	7	.25	.19	.18	.14	
-CSC10A01-Value	A	100, 150, 200, 220, 330, 470, 560, 1K, 1.5K, 2.2K, 3.3K, 4.7K, 10K, 20K, 22K, 33K, 47K, 56K, 100K, 470K, 1M	.125	1.25	10	9	.29	.23	.21	.17	



Pin One Common, 5, 7, or 9 Resistors

olated Configuration

MOUSER STOCK NO.	Fig.	Value (Ω)	Power Dissipation Per Circuit	Total Pkg. (Max.)	No. of Pins (N)	No. of Res.	Price Each 1	100	200	500	1000+
-CSC06A03-Value	B	100, 150, 220, 470, 1K, 2.2K, 4.7K, 10K, 100K	.2	.75	6	3	.19	.15	.13	.11	Call For Quote
-CSC08A03-Value	B	47, 100, 150, 220, 330, 470, 680, 1K, 1.5K, 2.2K, 3.3K, 4.7K, 10K, 22K, 47K, 68K, 100K, 150K, 200K, 470K	.2	1	8	4	.25	.19	.18	.14	
-CSC10A03-Value	B	22, 47, 100, 220, 470, 1K, 3.3K, 4.7K, 5.6K, 10K, 100K, 1M	.2	1.25	10	5	.29	.23	.21	.17	



Isolated Resistors 2 through 5

XICON 2% SIP Thick Film Power Resistor Networks - 1/8 WATT

ecifications:
Resistance range: 10Ω to 1MΩ
Resistance tolerance: ±2%
Temperature coefficient: 100ppm/°C
Power rating: 1/8W per resistor
Operating temperature range: -55°C to +125°C
Solderability: per MIL-R-83401

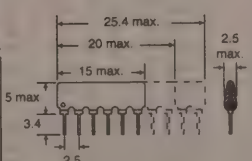
Other Values Available Upon Request

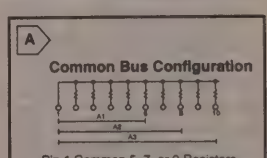
TABLE OF STOCKED VALUES

10	56	220	680	2.2K	6.8K	22K	82K	330K
22	68	270	820	2.7K	8.2K	27K	100K	390K
27	82	330	1K	3.3K	10K	33K	120K	470K
33	100	390	1.2K	3.9K	12K	39K	150K	560K
39	120	470	1.5K	4.7K	15K	47K	180K	680K
47	150	510	1.8K	5.1K	18K	56K	220K	820K
51	180	560	2K	5.6K	20K	68K	270K	1M

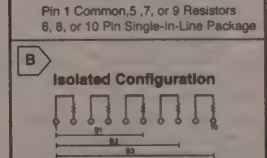
DIMENSIONS (mm)

MIL-R-83401





Pin 1 Common,5 ,7, or 9 Resistors
6, 8, or 10 Pin Single-In-Line Package



3, 4, or 5 Isolated Resistors
6, 8, or 10 Pins Single-In-Line Package

For quantities 5,000 and up, call for quote.

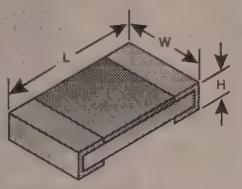
MOUSER STOCK NO.	Fig.	No. of Pins (N)	No. of Res.	Price Each 1	100	500	1000	2000
64-Value	A1	6	5	.15	.09	.08	.075	.06
65-Value	A2	8	7	.20	.13	.12	.11	.088
66-Value	A3	10	9	.25	.17	.15	.14	.112
67-Value	B1	6	3	.15	.09	.08	.075	.06
68-Value	B2	8	4	.20	.13	.12	.11	.088
69-Value	B3	10	5	.25	.17	.15	.14	.112

IRC 0805, 1206-0.1% 25 PPM SMD Thin Film Resistors

PFC SERIES TANFILM

Features:

- Available in 0805, 1206
- Passivated TaNFilm element
- Wrap-around termination
- Temperature Coefficient = 25ppm
- Tolerance= 0.1%
- Leach resistant nickel barrier termination



Size	MOUSER STOCK NO.	IRC Part No.	Range of Values in (Ω) See Table	Price Each			
				1	50	100	500
0805	66-PFC08C-value-B	PFC08C-value-B	10(Ω) to 267K	.74	.46	.37	.35
1206	66-PFC12C-value-B	PFC12C-value-B	10(Ω) to 1Meg	.74	.46	.37	.35

DIMENSIONS

Size	Watt	L	W	H
0805	.1	.081 ± .005	.050 ± .005	.020 ± .0
1206	.25	.126 ± .006	.063 ± .005	.024 ± .0

TABLE OF STOCKED VALUES

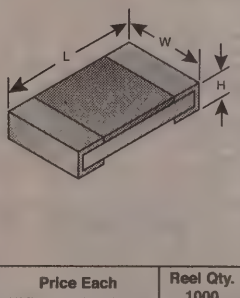
10	20.5	44.2	90.9	154	255	453	750	1.27K	2.1K	3.48K	5.76K	9.53K	15.8K	26.1K	45.3K	78.7K	137K	226K	374K	619
10.2	21.5	45.3	93.1	158	261	464	768	1.3K	2.15K	3.57K	5.9K	9.76K	16.2K	26.7K	46.4K	80.6K	140K	232K	383K	634
10.5	22.1	47.5	95.3	162	267	475	787	1.33K	2.21K	3.65K	6.04K	10K	16.5K	27.4K	47.5K	82.5K	143K	237K	392K	649
10.7	23.7	48.7	97.6	165	274	487	806	1.37K	2.26K	3.74K	6.19K	10.2K	16.9K	28K	48.7K	86.6K	147K	243K	402K	665
11	24.3	49.9	100	169	287	499	825	1.4K	2.32K	3.83K	6.34K	10.5K	17.4K	29.4K	49.9K	88.7K	150K	249K	412K	681
11.3	24.9	51.1	102	174	301	511	845	1.43K	2.37K	3.92K	6.49K	10.7K	17.8K	30.1K	51.1K	90.9K	154K	255K	422K	698
11.5	26.7	53.6	105	178	309	523	866	1.47K	2.43K	4.02K	6.65K	11K	18.2K	30.9K	53.6K	93.1K	158K	261K	432K	715
12.1	28	54.9	107	182	316	536	887	1.5K	2.49K	4.12K	6.81K	11.3K	18.7K	31.6K	54.9K	97.6K	162K	267K	442K	732
13	30.1	57.6	110	187	324	549	909	1.54K	2.55K	4.2K	6.98K	11.5K	19.1K	32.4K	56.2K	100K	165K	274K	453K	750
13.3	30.9	59	113	191	332	562	931	1.58K	2.61K	4.32K	7.15K	11.8K	19.6K	33.2K	57.6K	102K	169K	280K	464K	768
13.7	31.6	60.4	115	196	340	576	953	1.62K	2.67K	4.42K	7.32K	12.1K	20K	34K	59K	105K	174K	287K	475K	787
14.3	32.4	61.9	121	200	348	590	1.0K	1.65K	2.74K	4.53K	7.5K	12.4K	20.5K	34.8K	60.4K	107K	178K	294K	487K	806
14.7	33.2	64.9	124	205	357	604	1.02K	1.69K	2.8K	4.64K	7.68K	12.7K	21K	35.7K	61.9K	110K	182K	301K	499K	825
15	36.5	69.8	127	210	365	619	1.05K	1.74K	2.87K	4.75K	7.87K	13K	21.5K	36.5K	63.4K	113K	187K	309K	511K	845
15.4	37.4	71.5	130	215	374	634	1.07K	1.78K	2.94K	4.87K	8.06K	13.3K	22.1K	37.4K	64.9K	115K	191K	316K	523K	866
15.8	38.3	75	133	221	383	649	1.1K	1.82K	3.01K	4.99K	8.25K	13.7K	22.6K	38.3K	66.5K	118K	196K	324K	536K	887
16.9	39.2	78.7	137	226	392	665	1.13K	1.87K	3.09K	5.11K	8.45K	14K	23.2K	39.2K	68.1K	121K	200K	332K	549K	909
18.2	40.2	82.5	140	232	402	681	1.15K	1.91K	3.16K	5.23K	8.66K	14.3K	23.7K	40.2K	69.8K	124K	205K	340K	562K	931
18.7	41.2	84.5	143	237	422	698	1.18K	1.96K	3.24K	5.36K	8.87K	14.7K	24.3K	42.2K	71.5K	127K	210K	348K	576K	953
19.8	42.2	86.6	147	243	432	715	1.21K	2.0K	3.32K	5.49K	9.09K	15K	24.9K	43.2K	73.2K	130K	215K	357K	590K	976
20	43.2	88.7	150	249	442	732	1.24K	2.05K	3.4K	5.62K	9.31K	15.4K	25.5K	44.2K	75K	133K	221K	365K	604K	1.0M

IRC 1206, 2010, 2512-1% SMD Current Sense Resistors-1/2, 1 and 2 Watt

LR SERIES

Features:

- Resistance values down to .003 ohms
- Leach resistant solder-plated cooper wrap-around termination
- Low inductance-less than 0.2nH



DIMENSIONS (IN)

Size	L	W	H
1206	.126 ± .012	.064 ± .008	.024 ± .004
2010	.206 ± .015	.104 ± .010	.029 ± .004
2512	.256 ± .015	.128 ± .010	.029 ± .004

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Ω Value	Watt	Case Size	Tol.	Price Each 1	100	500	Reel Qty. 1000 Each Price
66—	LRF1206-01-R012-F	0.012	1/2	1206	1%	.60	.50	.45	.30
66—	LRF1206-01-R015-F	0.015	1/2	1206	1%	.60	.50	.45	.30
66—	LRF1206-01-R020-F	0.02	1/2	1206	1%	.60	.50	.45	.30
66—	LRF1206-01-R025-F	0.025	1/2	1206	1%	.60	.50	.45	.30
66—	LR1206-01-R030-F	0.03	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R033-F	0.033	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R040-F	0.04	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R050-F	0.05	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R060-F	0.06	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R080-F	0.08	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R100-F	0.1	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R150-F	0.15	1/2	1206	1%	.54	.45	.41	.27
66—	LRF2010-01-R010-F	0.01	1	2010	1%	.64	.53	.48	.32
66—	LRF2010-01-R012-F	0.012	1	2010	1%	.64	.53	.48	.32
66—	LRF2010-01-R015-F	0.015	1	2010	1%	.64	.53	.48	.32
66—	LRF2010-01-R018-F	0.018	1	2010	1%	.64	.53	.48	.32
66—	LRF2010-01-R020-F	0.02	1	2010	1%	.64	.53	.48	.32
66—	LRF2010-01-R025-F	0.025	1	2010	1%	.64	.53	.48	.32
66—	LR2010-01-R030-F	0.03	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R033-F	0.033	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R035-F	0.035	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R040-F	0.04	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R050-F	0.05	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R058-F	0.058	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R068-F	0.068	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R075-F	0.075	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R100-F	0.1	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R120-F	0.12	1	2010	1%	.58	.48	.44	.29

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Ω Value	Watt	Case Size	Tol.	Price Each 1	100	500	Reel Qt 1000 Each Pri
66—	LR2010-01-R150-F	0.15	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R180-F	0.18	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R200-F	0.2	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R220-F	0.22	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R250-F	0.25	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R270-F	0.27	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R300-F	0.3	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R470-F	0.47	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R500-F	0.5	1	2010	1%	.58	.48	.44	.29
66—	LRF2512-01-R010-F	0.01	2	2512	1%	.66	.54	.50	.33
66—	LRF2512-01-R012-F	0.012	2	2512	1%	.66	.54	.50	.33
66—	LRF2512-01-R015-F	0.015	2	2512	1%	.66	.54	.50	.33
66—	LRF2512-01-R020-F	0.02	2	2512	1%	.66	.54	.50	.33
66—	LRF2512-01-R024-F	0.024	2	2512	1%	.66	.54	.50	.33
66—	LRF2512-01-R025-F	0.025	2	2512	1%	.66	.54	.50	.33
66—	LR2512-01-R027-F	0.027	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R030-F	0.03	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R040-F	0.04	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R050-F	0.05	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R056-F	0.056	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R062-F	0.062	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R068-F	0.068	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R075-F	0.075	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R080-F	0.08	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R100-F	0.1	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R120-F	0.12	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R140-F	0.14	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R150-F	0.15	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R200-F	0.2	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R220-F	0.22	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R250-F	0.25	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R300-F	0.3	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R330-F	0.33	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R400-F	0.4	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R470-F	0.47	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R500-F	0.5	2	2512	1%	.60	.50	.45	.30

KOA 0402-2512 SMD Lo-Ohm Current Sense Resistors

KOA SPEER ELECTRONICS, INC.

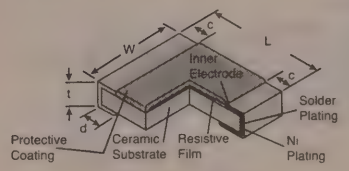
RT73 SERIES - THICK FILM 0402, 0603, 0805, 1206, 1210, 2010, 2512

Features:

- 96/10 solder plated terminations, standard
- Meets or exceeds EIA 575, EIA PDP-100, MIL-R-55342F
- Marking: Three or four-digits on indigo protective coat. No marking. 1E size.

Insert **Value Code** from Table of Stocked Values

Size	MOUSER STOCK NO.	Value	Value Range (Ω)	Tol. (%)	TCR (ppm/°C)	Price Each 1	25	100	1000	2000	Reel Qty	Price Per Piece
1E (0402)	660-SR731ELTP	code	0.1-0.118	1%	500 PPM	.43	.38	.33	.29	.27	10000	.21
		code	0.2-0.47	1%	250 PPM	.43	.38	.33	.29	.27	10000	.21
		code	0.51-10	1%	200 PPM	.43	.38	.33	.29	.27	10000	.21
1J (0603)	660-SR731JLTD	code	0.1-0.136	1%	250PPM	.39	.35	.30	.26	.24	5000	.22
		code	0.2-1.0	1%	200 PPM	.39	.35	.30	.26	.24	5000	.22
2A (0805)	660-SR732ALTE	code	30m-91m	5%	200 PPM	.68	.64	.53	.45	.42	4000	.38
		code	0.1-0.464	1%	100 PPM	.39	.35	.30	.26	.24	4000	.22
		code	0.475-10	1%	100 PPM	.26	.23	.20	.17	.16	4000	.14
2B (1206)	660-SR732BLTE	code	30m-91m	5%	200PPM	.38	.34	.30	.26	.24	4000	.22
		code	0.1-10	1%	100PPM	.38	.34	.30	.26	.24	4000	.22
2E (1210)	660-SR732ELTE	code	24m-43m	5%	200PPM	.79	.70	.61	.53	.49	4000	.44
		code	0.1-0.464	1%	100PPM	.54	.48	.42	.36	.33	4000	.30
		code	0.475-10	1%	100PPM	.40	.36	.31	.27	.25	4000	.22
2H (2010)	660-SR732HLTE	code	33m-91m	5%	200PPM	.88	.78	.68	.59	.55	4000	.49
		code	0.1-0.464	1%	100PPM	.64	.57	.50	.43	.39	4000	.36
		code	0.475-10	1%	100PPM	.51	.45	.40	.34	.32	4000	.18
3A (2512)	660-SR733ALTE	code	39m-91m	5%	200PPM	1.01	.90	.80	.70	.62	4000	.56
		code	0.1-10	1%	100PPM	.89	.79	.69	.59	.55	4000	.49



Type (Inch Size Code)	Dimensions IN and (mm) L	W	c	d	t
1E (0402)	.039 (1.0)	.02 (0.5)	.01 (0.25)	.01 (0.25)	.014 (0.35)
1J (0603)	.063 (1.6)	.031 (0.8)	.014 (0.35)	.014 (0.35)	.018 (0.45)
2A (0805)	.079 (2.0)	.049 (1.25)	.016(0.4)	.012 (0.3)	.02 (0.5)
2B (1206)	.126 (3.2)	.063 (1.6)	.02 (0.5)	.016 (0.4)	.024 (0.6)
2E (1210)		.102 (2.6)			
2H (2010)	.197 (5.0)	.098 (2.5)			
3A (2512)	.248 (6.3)	.122 (3.1)			

TABLE OF STOCKED VALUES

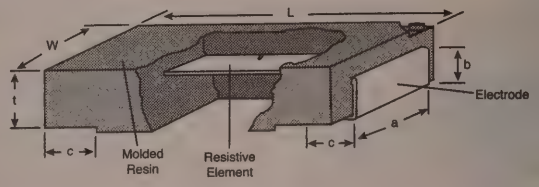
Value (Ω)	Value Code *	Case Sizes 0402	0603	0805	1206	1210	2512
0.024	24LJ					X	
0.027	27LJ					X	
0.03	30LJ			X	X		
0.033	33LJ			X	X	X	X
0.036	36LJ					X	X
0.039	39LJ			X	X		X
0.043	43LJ			X	X	X	X
0.047	47LJ					X	X
0.051	51LJ			X	X		
0.056	56LJ			X	X	X	X
0.062	62LJ			X	X	X	X
0.068	68LJ			X	X	X	X
0.075	75LJ			X	X	X	X
0.082	82LJ			X	X	X	X
0.091	91LJ			X	X		
0.1	R100F	X	X	X	X	X	X
0.102	R102F		X	X	X	X	X
0.105	R105F		X	X	X	X	X
0.107	R107F		X	X	X	X	X
0.11	R110F	X		X	X	X	X
0.112	R112F	X					
0.113	R113F		X	X	X	X	X
0.115	R115F	X	X	X	X	X	X
0.116	R116F	X					
0.118	R118F	X	X	X	X	X	X
0.121	R121F		X	X	X	X	X
0.124	R124F		X	X	X	X	X
0.127	R127F		X	X	X	X	X
0.13	R130F			X	X	X	X
0.133	R133F		X	X	X	X	X
0.137	R137F		X	X	X	X	X
0.14	R140F		X	X	X	X	X
0.143	R143F		X	X	X	X	X
0.147	R147F		X	X	X	X	X
0.15	R150F		X	X	X	X	X
0.154	R154F		X	X	X	X	X
0.158	R158F		X	X	X	X	X
0.162	R162F		X	X	X	X	X
0.165	R165F		X	X	X	X	X
0.169	R169F		X	X	X	X	X
0.174	R174F		X	X	X	X	X
0.178	R178F		X	X	X	X	X
0.182	R182F		X	X	X	X	X
0.187	R187F		X	X	X	X	X
0.191	R191F		X	X	X	X	X
0.196	R196F		X	X	X	X	X
0.2	R200F	X	X	X	X	X	X
0.205	R205F		X	X	X	X	X
0.21	R210F		X	X	X	X	X
0.215	R215F		X	X	X	X	X
0.218	R218F		X	X	X	X	X
0.22	R220F	X					
0.221	R221F		X	X	X	X	X
0.226	R226F		X	X	X	X	X
0.232	R232F		X	X	X	X	X
0.237	R237F		X	X	X	X	X
0.24	R240F	X	X	X	X	X	X
0.243	R243F		X	X	X	X	X
0.255	R255F		X	X	X	X	X
0.261	R261F		X	X	X	X	X
0.27	R270F	X					
0.274	R274F		X	X	X	X	X
0.28	R280F		X	X	X	X	X
0.287	R287F		X	X	X	X	X
0.294	R294F		X	X	X	X	X
0.3	R300F	X					
0.301	R301F		X	X	X	X	X
0.309	R309F		X	X	X	X	X
0.316	R316F		X	X	X	X	X
0.324	R324F		X	X	X	X	X
0.33	R330F	X					
0.332	R332F		X	X	X	X	X
0.34	R340F		X	X	X	X	X
0.348	R348F		X	X	X	X	X
0.357	R357F		X	X	X	X	X
0.36	R360F	X					
0.365	R365F		X	X	X	X	X
0.374	R374F		X	X	X	X	X
0.383	R383F		X	X	X	X	X
0.39	R390F	X					
0.392	R392F		X	X	X	X	X
0.402	R402F		X	X	X	X	X
0.412	R412F		X	X	X	X	X
0.422	R422F		X	X	X	X	X
0.43	R430F	X					
0.432	R432F		X	X	X	X	X
0.442	R442F		X	X	X	X	X
0.453	R453F		X	X	X	X	X
0.464	R464F			X	X	X	X
0.47	R470F	X					
0.475	R475F		X	X	X	X	X
0.487	R487F		X	X	X	X	X
0.499	R499F		X	X	X	X	X
0.51	R510F	X					
0.511	R511F		X	X	X	X	X
0.523	R523F		X	X	X	X	X
0.536	R536F		X	X	X	X	X
0.549	R549F		X	X	X	X	X
0.56	R560F	X					
0.562	R562F		X	X	X	X	X
0.576	R576F		X	X	X	X	X
0.59	R590F		X	X	X	X	X
0.604	R604F			X	X	X	X
0.619	R619F		X	X	X	X	X
0.62	R620F	X					
0.634	R634F		X	X	X	X	X
0.649	R649F		X	X	X	X	X
0.665	R665F		X	X	X	X	X
0.68	R680F	X					
0.681	R681F		X	X	X	X	X
0.698	R698F		X	X	X	X	X
0.715	R715F		X	X	X	X	X
0.732	R732F		X	X	X	X	X
0.75	R750F	X					
0.768	R768F		X	X	X	X	X
0.787	R787F		X	X	X	X	X
0.806	R806F			X	X	X	X
0.82	R820F	X					
0.825	R825F		X	X	X	X	X
0.845	R845F		X	X	X	X	X
0.866	R866F		X	X	X	X	X
0.887	R887F		X	X	X	X	X
0.909	R909F			X	X	X	X
0.91	R910F	X					
0.931	R931F		X	X	X	X	X
0.953	R953F		X	X	X	X	X
0.976	R976F		X	X	X	X	X
1.0	1R00F	X	X	X	X	X	X
1.02	1R02F				X	X	X
1.05	1R05F			X	X	X	X
1.07	1R07F				X	X	X
1.1	1R10F	X		X	X	X	X
1.12	1R12F	X					
1.13	1R13F			X	X	X	X
1.15	1R15F			X	X	X	X
1.16	1R16F						
1.18	1R18F			X	X	X	X
1.21	1R21F			X	X	X	X
1.24	1R24F			X	X	X	X
1.27	1R27F			X	X	X	X
1.3	1R30F			X	X	X	X
1.33	1R33F			X	X	X	X
1.37	1R37F			X	X	X	X
1.4	1R40F			X	X	X	X
1.43	1R43F			X	X	X	X
1.47	1R47F			X	X	X	X
1.5	1R50F			X	X	X	X
1.54	1R54F			X	X	X	X
1.58	1R58F			X	X	X	X
1.62	1R62F			X	X	X	X
1.65	1R65F			X	X	X	X
1.69	1R69F			X	X	X	X
1.74	1R74F			X	X	X	X
1.78	1R78F			X	X	X	X
1.82	1R82F			X	X	X	X
1.87	1R87F			X	X	X	X
1.91	1R91F			X	X	X	X
1.96	1R96F			X	X	X	X
2.0	2R00F	X		X	X	X	X
2.05	2R05F			X	X	X	X
2.1	2R10F			X	X	X	X
2.15	2R15F			X	X	X	X
2.18	2R18F				X	X	X
2.2	2R20F	X					
2.21	2R21F				X	X	X
2.26	2R26F			X	X	X	X
2.32	2R32F			X	X	X	X
2.37	2R37F			X	X	X	X
2.4	2R40F	X		X	X	X	X
2.43	2R43F			X	X	X	X
2.55	2R55F			X	X	X	X
2.61	2R61F			X	X	X	X
2.7	2R70F	X					
2.74	2R74F			X	X	X	X
2.8	2R80F			X	X	X	X
2.87	2R87F			X	X	X	X
2.94	2R94F			X	X	X	X
3	3R00F	X					
3.01	3R01F			X	X	X	X
3.09	3R09F			X	X	X	X
3.16	3R16F				X	X	X
3.24	3R24F				X	X	X
3.3	3E30F	X					
3.32	3R32F				X	X	X
3.4	3R40F				X	X	X
3.48	3R48F				X	X	X
3.57	3R57F				X	X	X
3.6	3R60F	X					
3.65	3R65F				X	X	X
3.74	3R74F				X	X	X
3.83	3R83F				X	X	X
3.9	3R90F	X					
3.92	3R92F				X	X	X
4.02	4R02F				X	X	X
4.12	4R12F				X	X	X
4.22	4R22F				X	X	X
4.3	4R30F	X					
4.32	4R32F				X	X	X
4.42	4R42F				X	X	X
4.53	4R53F				X	X	X
4.64	4R64F				X	X	X
4.7	4R70F	X					
4.75	4R75F				X	X	X
4.87	4R87F				X	X	X
4.99	4R99F				X	X	X
5.1	5R10F	X					
5.11	5R11F				X	X	X
5.23	5R23F				X	X	X
5.36	5R36F				X	X	X
5.49	5R49F				X	X	X
5.6	5R60F	X					
5.62	5R62F				X	X	X
5.76	5R76F				X	X	X
5.9	5R90F				X	X	X
6.04	6R04F				X	X	X
6.19	6R19F				X	X	X
6.2	6R20F	X					
6.34	6R34F				X	X	X
6.49	6R49F				X	X	X
6.65	6R65F				X	X	X
6.8	6R80F	X					
6.81	6R81F				X	X	X
6.98	6R98F				X	X	X
7.15	7R15F				X	X	X
7.32	7R32F				X	X	X
7.5	7R50F	X			X	X	X
7.68	7R68F				X	X	X
7.87	7R87F				X	X	X
8.06	8R06F				X	X	X
8.2	8R20F	X					
8.25	8R25F				X	X	X
8.45	8R45F				X	X	X
8.66	8R66F				X	X	X
8.87	8R87F				X	X	X
9.09	9R09F				X	X	X
9.1	9R10F	X					
9.31	9R31F				X	X	X
9.53	9R53F				X	X	X
9.76	9R76F				X	X	X
10	10R0F	X			X	X	X

KOA SMD Molded Current Sense Resistors

SL AND TSL SERIES RESISTORS

Features:

- Surface mount type
- Flameproof UL94-V-O molded polymer case
- Excellent dimension accuracy, mountability and shock resistance
- Suitable for flow, reflow and hand soldering
- Resistance Tolerance: 1%
- Operating Temperature Range: -55°C to +180°C
- 1000 Piece Reels



MOUSER STOCK NO.	Value Range	Price Each			Reel	
		1	25	100	1000	2000
660-SL1LTE-Code	5m-1.0	.79	.70	.61	.53	.49
660-SL2LTE-Code	5m-.357	1.13	1.00	.88	.75	.70
660-SL3LTE-Code	5m-.357	1.35	1.20	1.05	.90	.84
		1	25	100	3000	6000
660-TSL1LTED-Code	5m-1.0	.90	.80	.70	.60	.56

Size Code	Dimensions IN and (mm)					
	L	W	t	a	b	c
SL1	.248 ± .012 (6.3 ± .30)	1.22 ± .008 (3.1 ± .20)	.075 ± .008 (1.9 ± .20)	.094 ± .008 (.24 ± .20)	.047 ± .012 (1.2 ± .30)	.047 ± .012 (1.2 ± .30)
SL2	.453 ± .012 (11.5 ± .30)	.276 ± .008 (7 ± .20)	.098 ± .008 (2.5 ± .20)	.197 ± .008 (5 ± .20)	.067 ± .02 (1.7 ± .50)	.102 ± .02 (2.6 ± .50)
SL3	.453 ± .012 (11.5 ± .30)	.276 ± .008 (7 ± .20)	.098 ± .008 (2.5 ± .20)	.197 ± .008 (5 ± .20)	.067 ± .02 (1.7 ± .50)	.102 ± .02 (2.6 ± .50)
TSL	.248 ± .012 (6.3 ± .30)	1.22 ± .008 (3.1 ± .20)	.039 ± .008 (1 ± .20)	.094 ± .008 (.24 ± .20)	.028 ± .008 (.70 ± .20)	.047 ± .012 (1.2 ± .30)

Value (Ω)	Value Code	1 Watt SL1	1 Watt TSL	2 Watt SL2	3 Watt SL3
5m	5L00F	X	X	X	X
5.1m	5L10F	X	X	X	X
5.62m	5L62F	X	X	X	X
6.04m	6L04F	X	X		
6.19m	6L19F	X	X	X	X
6.8m	6L80F			X	X
7.50m	7L50F	X	X	X	X
8.00m	8L00F	X	X		
8.25m	8L25F	X	X	X	X
9.09m	9L09F	X	X		
10m	10L0F	X	X	X	X
11m	11L0F	X	X	X	X
12m	12L0F	X	X		
12.1m	12L1F	X	X	X	X
13m	13L0F	X	X	X	X
15m	15L0F	X	X	X	X
16.2m	16L2F	X	X	X	X
17.8m	17L8F	X	X	X	X
20.0m	20L0F	X	X	X	X
22.1m	22L1F	X	X	X	X
23.7m	23L7F	X	X	X	X

Value (Ω)	Value Code	1 Watt SL1	1 Watt TSL	2 Watt SL2	3 Watt SL3
24.3m	24L3F	X	X	X	X
26.7m	26L7F			X	X
30.1m	30L1F	X	X	X	X
33.2m	33L2F	X	X	X	X
35.7m	35L7F			X	X
39.2m	39L2F			X	X
40.2m	40L2F	X	X		
43.2m	43L2F			X	X
47.5m	47L5F			X	X
50m	50L0F			X	X
51.0m	51L0F	X	X	X	X
56.2m	56L2F	X	X		
61.9m	61L9F	X	X	X	X
68.0m	68L0F	X	X		
75.0m	75L0F	X	X	X	X
82.5m	82L5F	X	X	X	X
90.9m	90L9F	X	X	X	X
0.1	R100F	X	X	X	X
0.11	R110F	X	X	X	X
0.121	R121F	X	X	X	X
0.13	R130F	X	X	X	X

Value (Ω)	Value Code	1 Watt SL1	1 Watt TSL	2 Watt SL2	3 W SL
0.15	R150F	X	X	X	X
0.162	R162F	X	X	X	X
0.221	R221F	X	X	X	X
0.237	R237F	X	X	X	X
0.243	R243F	X	X	X	X
0.267	R267F	X	X	X	X
0.301	R301F	X	X	X	X
0.332	R332F	X	X	X	X
0.357	R357F	X	X	X	X
0.392	R392F	X	X		
0.432	R432F	X	X		
0.475	R475F	X	X		
0.51	R510F	X	X		
0.562	R562F	X	X		
0.619	R619F	X	X		
0.68	R680F	X	X		
0.75	R750F	X	X		
0.825	R825F	X	X		
0.909	R909F	X	X		
1	1R00F	X	X		

TLR AND UR73 SERIES CURRENT SENSING RESISTORS

Features for TLR:

- Metal plate current sensing
- Metal alloy, superior corrosion and heat resistance
- Applications include current sensing, voltage division and pulse applications
- Ultra low resistance (1mΩ-20mΩ)
- Marking: Black body color with marking (3A and 2B only) (3AW: 1mΩ only)

Features for UR73:

- Very low resistance, high precision reliability
- Suitable for reflow and flow soldering
- Utilization of thick film
- Low T.C.R. achieved (±100 ppm/°C)
- Marking: Indigo body color with white marking

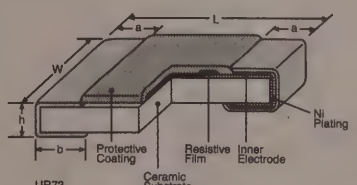
MOUSER STOCK NO.	Power Rating	Price Each					Reel
		1	25	100	1000	2000	5000
660-UR732ATTD-Code	0.25W	.81	.72	.63	.54	.50	.45
660-UR732BTTD-Code	0.25W	.81	.72	.63	.54	.50	.45
660-TLR2BD-Code	0.5W	.81	.72	.63	.54	.50	.45
		1	25	100	1000	2000	4000
660-TLR2HD-Code	1W	.86	.76	.67	.57	.52	.48
		1	25	100	1000	2000	2000
660-TLR3AL-Code	1W	1.13	1.00	.88	.75	.69	.63
660-TLR3AWD-Code	1W	1.24	1.10	.92	.83	.76	.69

UR73 Series

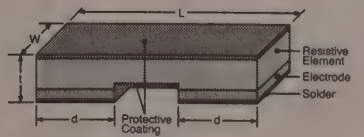
Value (Ω)	Value Code
30m	30LF
33m	33LF
36m	36LF
39m	39LF
43m	43LF
47m	47LF
51m	51LF
56m	56LF
62m	62LF
68m	68LF
75m	75LF
82m	82LF
91m	91LF
0.1	R10F

TLR Series

Value (Ω)	Value Code
1m	1L00F
2m	2L00F
3m	3L00F
4m	4L00F
5m	5L00F
6m	6L00F
7m	7L00F
8m	8L00F
9m	9L00F
10m	10L0F
11m	11L0F
12m	12L0F
13m	13L0F
15m	15L0F
16m	16L0F
18m	18L0F
20m	20L0F



UR73



TLR (3A and 2B only)

UR73 Series

Size Code	Dimensions IN and (mm)				
	L	W	H	a	b
2A	.079 ± .008 (2 ± .02)	.049 ± .008 (1.25 ± .20)	.02 ± .004 (.05 ± .10)	.016 ± .008 (.04 ± .20)	.012 +.008/- (0.3) +.20/-
2B	.126 ± .008 (3.2 ± .20)	.063 ± .008 (1.6 ± .02)	.024 ± .004 (.06 ± .10)	.197 ± .008 (5 ± .20)	.016 +.008/- (0.4) +.20/-

TLR Series

Size Code	Dimensions IN and (mm)				
	Resistance	L	W	d	t
TLR3A	1mΩ	.25 ± .01 (6.35 ± .25)	.125 ± .01 (3.18 ± .25)	.087 ± .01 (2.2 ± .25)	.024 ± .0 (.62 ± .25
	2mΩ			.047 ± .01 (1.2 ± .025)	
	3mΩ			.073 ± .01 (1.85 ± .25)	
	4mΩ			.047 ± .01 (1.2 ± .025)	
TLR2B	2, 3, 4, 5, 6, 8, 10, 11, 12, 13, 15, 16, 18, 20m	.126 ± .008 (3.2 ± .20)	.063 ± .008 (1.6 ± .20)	.02 ± .008 (.50 ± .20)	.024 ± .00 (.60 ± .20
TLR2H	2mΩ-6mΩ	.20 ± .008 (5 ± .20)	.10 ± .008 (2.5 ± .20)	.06 ± .008 (1.5 ± .20)	.024 ± .00 (.60 ± .20
	7mΩ-10mΩ			.02 ± .008 (.50 ± .20)	
TLR3AW	1mΩ-4mΩ	.25 ± .01 (6.35 ± .25)	.125 ± .01 (3.18 ± .25)	.087 ± .01 (2.2 ± .25)	.024 ± .0 (.62 ± .25
	5mΩ-8mΩ			.047 ± .01 (1.2 ± .025)	
	9mΩ-10mΩ			.073 ± .01 (1.85 ± .25)	

OA 0402, 0603, 0805, 1206, 1210, 2010 & 2512 - 1% Resistors

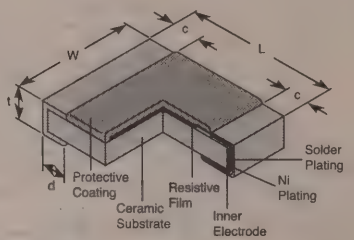
KOA SPEER ELECTRONICS, INC.

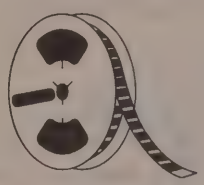
73H SERIES - THICK FILM

ntinual effort to support their customer base on a global nment, KOA Corporation is adopting a new global part ering system.

ures:

92 thick film resistor element
-leaching nickel barrier terminations
0 solder plated terminations, standard
ilable in 100% tin terminations (no lead)
available with epoxy bondable palladium
r terminations in 2A and 2B sizes
ts or exceeds EIA 575, EIAJ RC 2690A, PDP-100, MIL-R-55342F
king: Four-digit black on blue protective coat. marking on 1H and 1E size.
e-digit on 1J size, E-24 values only.
rating temperature: -55°C to +155°C
(ppm/°C) max = ±100ppm





5000 Piece Reels

rt **Value Code** from Table of Stocked Values

e	MOUSER STOCK NO.	Value	Price Each 1	10	100	1000	Reel Quantity 10000	30000	50000
2	660-RK73H1ELTP	Code	.09	.05	.03	.02	.008	.007	.006

e	MOUSER STOCK NO.	Value	Price Each 1	10	100	1000	Reel Quantity 5000	10000	25000
3	660-RK73H1JLTD	Code	.08	.048	.027	.019	.007	.006	.005
5	660-RK73H2ALTD	Code	.09	.049	.028	.019	.008	.007	.006
6	660-RK73H2BLTD	Code	.11	.063	.036	.024	.013	.012	.01
0	660-RK73H2ELTD	Code	.14	.11	.08	.07	.061	.053	.05
0	660-RK73H2HLTE	Code	.19	.14	.12	.10	.09	.08	.07
2	660-RK73H3ALTE	Code	.24	.18	.15	.12	.11	.10	.09

Available in various tolerances, case sizes, and 10PPM and 50PPM.
Contact a Mouser Sales Representative for more information.

Type (Inch Size Code)	Power Rating	Dimensions mm L	W	c	d	t
1E 0402	1/16W	1	0.5±0.05	0.2±0.1	0.25	0.35±0.05
1J 0603	1/10W	1.6±0.2	0.8±0.1	0.3±0.1	0.3±0.1	0.45±0.1
2A 0805	1/8W	2.0±0.2	1.25±0.1	0.4±0.2	0.3	0.5±0.1
2B 1206	1/4W	3.2±0.2	1.6±0.2	0.5±0.3	0.4	0.6±0.1
2E 1210	1/3W	3.2±0.2	2.6±0.2	0.5±0.3	0.4	0.6±0.1
2H 2010	3/4W	5.0±0.2	2.5±0.2	0.5±0.3	0.4	0.6±0.1
3A 2512	1W	6.3±0.2	3.1±0.2	0.5±0.3	0.4	0.6±0.1

TABLE OF STOCKED VALUES (Page 1)

alue	Value Code *	Case Sizes 0402	0603	0805	1206	1210	2010	2512
	10R0F	X	X	X	X	X	X	X
.2	10R2F	X	X	X	X			
.5	10R5F		X	X	X			
.7	10R7F		X					
	11R0F		X	X	X	X		
.3	11R3F	X	X	X	X			
.5	11R5F	X	X	X	X			
.8	11R8F		X	X	X		X	
.1	12R1F	X	X	X	X	X	X	
.4	12R4F	X	X	X	X			
.7	12R7F		X	X	X	X		
	13R0F	X	X	X	X			
.3	13R3F		X	X	X			
.7	13R7F		X		X			
	14R0F	X	X	X	X	X		
.3	14R3F	X	X	X	X			
.7	14R7F		X	X	X			
	15R0F	X	X	X	X	X	X	X
.4	15R4F		X	X	X			
.8	15R8F		X					
.2	16R2F		X	X	X	X		
.5	16R5F		X	X	X	X		
.9	16R9F		X	X				
.4	17R4F		X	X	X			
8	17R8F	X	X	X				X
.2	18R2F	X	X	X	X	X	X	
.7	18R7F	X	X	X	X			
.1	19R1F		X	X				X
.6	19R6F	X	X	X	X			
	20R0F	X	X	X	X	X	X	X
5	20R5F		X	X	X	X		
	21R0F		X	X	X			X
5	21R5F		X	X	X	X		
1	22R1F	X	X	X	X	X	X	X
6	22R6F		X	X	X		X	
2	23R2F		X	X	X	X		
7	23R7F		X	X	X		X	X
3	24R3F	X	X	X	X	X	X	
9	24R9F	X	X	X	X	X	X	
5	25R5F		X	X	X	X	X	
1	26R1F		X	X	X			X
7	26R7F	X	X	X	X			X
4	27R4F	X	X	X	X	X	X	X
	28R0F		X		X			
	28.7	28R7F		X	X	X		X	
	29.4	29R4F				X	X		
	30.1	30R1F	X	X	X	X	X	X	X
	30.9	30R9F	X	X	X	X			
	31.6	31R6F	X	X	X	X	X		
	32.4	32R4F		X	X	X			
	33.2	33R2F	X	X	X	X	X	X	X
	34	34R0F	X	X	X	X			
	34.8	34R8F		X	X	X	X	X	X
	35.7	35R7F	X	X	X	X		X	X
	36.5	36R5F	X	X	X	X	X		
	37.4	37R4F	X	X	X	X	X		
	38.3	38R3F	X	X	X	X	X		
	39.2	39R2F	X	X	X	X	X	X	X
	40.2	40R2F		X	X	X	X	X	X
	41.2	41R2F	X		X	X	X		
	42.2	42R2F	X	X	X	X			X
	43.2	43R2F	X	X	X	X			
	44.2	44R2F	X	X	X	X	X	X	
	45.3	45R3F		X	X	X			
	46.4	46R4F	X	X	X	X			
	47.5	47R5F	X	X	X	X	X	X	X
	48.7	48R7F		X	X	X			
	49.9	49R9F	X	X	X	X	X	X	X
	51.1	51R1F	X	X	X	X	X	X	X
	52.3	52R3F		X	X	X	X		
	53.6	53R6F	X	X	X	X	X	X	
	54.9	54R9F	X	X	X	X	X		
	56.2	56R2F	X	X	X	X	X	X	X
	57.6	57R6F	X	X	X	X	X		X
	59	59R0F		X	X	X	X		X
	60.4	60R4F	X	X	X	X	X		
	61.9	61R9F	X	X	X	X	X	X	X
	63.4	63R4F	X	X	X	X	X		
	64.9	64R9F		X	X	X		X	
	66.5	66R5F	X	X	X	X	X		
	68.1	68R1F	X	X	X	X	X	X	X
	69.8	69R8F		X	X	X	X		
	71.5	71R5F	X	X	X	X	X		
	73.2	73R2F		X	X	X			
	75	75R0F	X	X	X	X	X	X	X
	76.8	76R8F			X	X			
	78.7	78R7F		X	X	X			
	80.6	80R6F	X	X	X	X		X	X
	82.5	82R5F	X	X	X	X	X	X	
	84.5	84R5F	X	X	X	X			
	86.6	86R6F	X	X	X	X	X		
	88.7	88R7F	X	X	X	X			X
	90.9	90R9F		X	X	X	X	X	
	93.1	93R1F	X	X	X	X			
	95.3	95R3F	X	X	X	X	X	X	
	97.6	97R6F		X	X	X			
	100	1000F	X	X	X	X	X	X	X
	102	1020F	X	X	X	X			
	105	1050F	X	X	X	X			
	107	1070F		X	X	X			
	110	1100F	X	X	X	X	X		
	113	1130F		X	X	X			
	115	1150F	X	X	X	X	X		
	118	1180F	X	X	X	X			
	121	1210F	X	X	X	X	X	X	X
	124	1240F	X	X	X	X	X		
	127	1270F	X	X	X	X			
	130	1300F	X	X	X	X	X		
	133	1330F	X	X	X	X	X		X
	137	1370F		X	X	X	X		
	140	1400F	X	X	X	X	X		X
	143	1430F	X	X	X	X			
	147	1470F	X	X	X	X	X		
	150	1500F	X	X	X	X	X	X	X
	154	1540F		X	X	X			X
	158	1580F	X	X	X	X			
	162	1620F	X	X	X	X	X	X	
	165	1650F	X	X	X	X			
	169	1690F	X	X	X	X	X		
	174	1740F	X	X	X	X			
	178	1780F	X	X	X	X	X		
	182	1820F	X	X	X	X	X	X	X
	187	1870F		X	X	X			
	191	1910F		X	X	X	X		X
	196	1960F	X	X	X	X			
	200	2000F	X	X	X	X	X	X	X
	205	2050F			X	X	X		
	210	2100F	X	X	X	X	X		
	215	2150F		X	X	X	X		
	221	2210F		X	X	X	X	X	X
	226	2260F		X	X	X	X		
	232	2320F		X	X	X			
	237	2370F	X	X	X	X	X		
	243	2430F	X	X	X	X	X	X	X
	249	2490F	X	X	X	X	X	X	X
	255	2550F		X	X	X			
	261	2610F	X	X	X	X	X		
	267	2670F	X	X	X	X	X	X	
	274	2740F	X	X	X	X	X	X	
	280	2800F		X	X	X	X	X	
	287	2870F	X	X	X	X			
	294	2940F	X	X	X	X			X
	301	3010F	X	X	X	X	X	X	X
	309	3090F		X	X	X	X		
	316	3160F	X	X	X	X	X		
	324	3240F		X	X	X		X	
	332	3320F	X	X	X	X	X	X	
	340	3400F	X	X	X	X	X		
	348	3480F	X	X	X	X	X		
	357	3570F		X		X		X	X
	365	3650F	X	X	X	X	X		
	374	3740F		X	X	X		X	
	383	3830F		X	X	X		X	
	392	3920F	X	X	X	X	X	X	
	402	4020F	X	X	X	X	X	X	X
	412	4120F		X	X	X	X		X
	422	4220F	X	X	X	X			
	432	4320F	X	X	X	X	X		X
	442	4420F	X	X	X	X			
	453	4530F	X	X	X	X			
	464	4640F	X	X	X	X	X		X
	475	4750F	X	X	X	X	X	X	X
	487	4870F	X	X	X	X	X		
	499	4990F	X	X	X	X	X	X	X
	511	5110F	X	X	X	X	X	X	X
	523	5230F	X	X	X	X			
	536	5360F	X	X	X	X			
	549	5490F	X	X	X	X			
	562	5620F	X	X	X	X	X	X	
	576	5760F	X	X	X	X	X		
	590	5900F	X	X	X	X			
	604	6040F	X	X	X	X	X		X
	619	6190F		X	X	X	X	X	
	634	6340F	X	X	X	X			
	649	6490F	X	X		X	X		
	665	6650F	X	X	X	X			

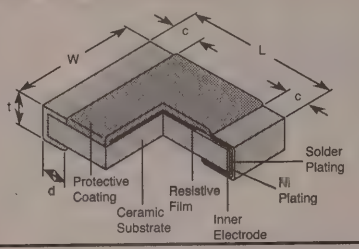
RK73H SERIES - THICK FILM (CONT.)

In a continual effort to support their customer base on a global environment, KOA Corporation is adopting a new global part numbering system.

Features:

- RuO2 thick film resistor element
- Anti-leaching nickel barrier terminations
- 90/10 solder plated terminations, standard
- Available in 100% tin terminations (no lead)
- Also available with epoxy bondable palladium silver terminations in 2A and 2B sizes
- Meets or exceeds EIA 575, EIAJ RC 2690A, EIA PDP-100, MIL-R-55342F
- Marking: Four-digit black on blue protective coat. No marking on 1H and 1E size. Three-digit on 1J size, E-24 values only.
- Operating temperature: -55°C to +155°C
- TCR(ppm/°C) max: ±100ppm

*Insert **Value Code** from Table of Stocked Values



5000 Piece Reels

Size	MOUSER STOCK NO.	Value	Price Each 1	10	100	1000	Reel Quantity 10000	30000	50000
0402	660-RK73H1ELTP	Code	.09	.05	.03	.02	.008	.007	.006

Size	MOUSER STOCK NO.	Value	Price Each 1	10	100	1000	Reel Quantity 5000	10000	25000
0603	660-RK73H1JLTD	Code	.08	.048	.027	.019	.007	.006	.005
0805	660-RK73H2ALTD	Code	.09	.049	.028	.019	.008	.007	.006
1206	660-RK73H2BLTD	Code	.11	.063	.036	.024	.013	.012	.01
1210	660-RK73H2ELTD	Code	.14	.11	.08	.07	.061	.053	.05
2010	660-RK73H2HLTE	Code	.19	.14	.12	.10	.09	.08	.07
2512	660-RK73H3ALTE	Code	.24	.18	.15	.12	.11	.10	.09

Available in various tolerances, case sizes, and 10PPM and 50PPM.
Contact a Mouser Sales Representative for more information.

Type (Inch Size Code)	Power Rating	Dimensions mm L	W	c	d	t
1E 0402	1/16W	1	0.5±0.05	0.2±0.1	0.25	0.35±0
1J 0603	1/10W	1.6±0.2	0.8±0.1	0.3±0.1	0.3±0.1	0.45±0
2A 0805	1/8W	2.0±0.2	1.25±0.1	0.4±0.2	0.3	0.5±0
2B 1206	1/4W	3.2±0.2	1.6±0.2	0.5±0.3	0.4	0.6±0
2E 1210	1/3W	3.2±0.2	2.6±0.2	0.5±0.3	0.4	0.6±0
2H 2010	3/4W	5.0±0.2	2.5±0.2	0.5±0.3	0.4	0.6±0
3A 2512	1W	6.3±0.2	3.1±0.2	0.5±0.3	0.4	0.6±0

TABLE OF STOCKED VALUES (Page 2)

Value	Value Code *	Case Sizes 0402	0603	0805	1206	1210	2010	2512
681	6810F		X	X	X	X	X	X
698	6980F	X	X	X	X			
715	7150F		X	X	X			
732	7320F	X	X	X	X			
750	7500F		X	X	X	X	X	X
768	7680F	X	X	X	X			
787	7870F	X	X	X	X	X		
806	8060F	X	X	X	X	X		
825	8250F		X	X	X	X	X	
845	8450F		X	X	X			
866	8660F		X	X	X			
887	8870F	X	X	X	X	X		
909	9090F	X	X	X	X	X		
931	9310F		X	X	X			
953	9530F		X	X	X	X		
976	9760F	X	X	X	X			
1K	1001F	X	X	X	X	X	X	X
1.02K	1021F	X	X	X	X			
1.05K	1051F		X	X	X			
1.07K	1071F	X	X	X	X			
1.1K	1101F	X	X	X	X			
1.13K	1131F	X	X	X	X			
1.15K	1151F		X	X	X		X	X
1.18K	1181F	X	X	X	X			
1.21K	1211F	X	X	X	X	X	X	X
1.24K	1241F		X	X	X			
1.27K	1271F	X	X	X	X			
1.3K	1301F	X	X	X	X	X		
1.33K	1331F			X	X			
1.37K	1371F	X	X	X	X			
1.4K	1401F	X	X	X	X	X		
1.43K	1431F		X	X	X			
1.47K	1471F	X	X	X	X	X		
1.5K	1501F		X	X	X	X	X	X
1.54K	1541F	X	X	X	X			
1.58K	1581F		X	X	X			
1.62K	1621F	X	X	X	X	X		
1.65K	1651F	X	X	X	X	X		
1.69K	1691F		X	X	X			
1.74K	1741F	X	X	X	X	X		
1.78K	1781F	X	X	X	X			
1.82K	1821F	X	X	X	X	X		
1.87K	1871F		X	X	X			
1.91K	1911F	X	X	X	X			
1.96K	1961F	X	X	X	X			
2K	2001F		X	X	X	X	X	X
2.05K	2051F		X	X	X			
2.1K	2101F		X	X	X	X		
2.15K	2151F	X	X	X	X			
2.21K	2211F		X	X	X	X		X
2.26K	2261F		X	X	X	X		
2.32K	2321F	X	X	X	X			
2.37K	2371F	X	X	X	X	X	X	
2.43K	2431F	X	X	X	X	X		
2.49K	2491F		X	X	X	X		
2.55K	2551F	X	X	X	X	X		
2.61K	2611F	X	X	X	X			
2.67K	2671F	X	X	X	X			
2.74K	2741F		X	X	X	X		
2.87K	2871F	X	X	X	X			
2.8K	2801F	X	X	X	X		X	X
2.94K	2941F	X	X	X	X			
3.01K	3011F	X	X	X	X	X	X	
3.09K	3091F	X	X	X	X			
3.16K	3161F	X	X	X	X	X		
3.24K	3241F	X	X	X	X	X		
3.32K	3321F	X	X	X	X	X	X	X
3.4K	3401F	X	X	X	X			
3.48K	3761F	X	X	X	X			
3.57K	3571F	X	X	X	X			
3.65K	3651F	X	X	X	X			
3.74K	3741F	X	X	X	X		X	X
3.83K	3831F	X	X	X	X			
3.92K	3921F	X	X	X	X	X		X
4.02K	4021F	X	X	X	X	X		X
4.12K	4121F	X	X	X	X			
4.22K	4221F	X	X	X	X			
4.32K	4321F	X	X	X	X	X	X	
4.42K	4421F			X	X	X		
4.53K	4531F	X	X	X	X	X		
4.64K	4641F	X	X	X	X	X		
4.75K	4751F	X	X	X	X	X	X	X
4.87K	4871F			X	X	X		
4.99K	4991F	X	X	X	X	X	X	X
5.11K	5111F	X	X	X	X	X	X	X
5.23K	5231F	X	X	X	X			
5.36K	5361F	X	X	X	X			X
5.49K	5491F	X	X	X	X			
5.62K	5621F	X	X	X	X	X	X	X
5.76K	5761F	X	X	X	X			
5.9K	5901F	X	X	X	X			
6.04K	6041F	X	X	X	X			
6.19K	6191F	X	X	X	X	X		X
6.34K	6341F	X	X	X	X			
6.49K	6491F	X	X	X	X			
6.65K	6651F	X	X	X	X			X
6.81K	6811F	X	X	X	X	X	X	
6.98K	6981F		X	X	X	X		X
7.15K	7151F	X	X	X	X	X		
7.32K	7321F	X	X	X	X	X		
7.5K	7501F	X	X	X	X	X	X	X
7.68K	7681F		X	X	X	X		
7.87K	7871F		X	X	X			
8.06K	8061F	X	X	X	X	X		
8.25K	8251F	X	X	X	X	X		
8.45K	8451F	X	X	X	X			
8.66K	8661F	X	X	X	X	X		
8.87K	8871F	X	X	X	X			
9.09K	9091F	X	X	X	X	X		
9.31K	9311F	X	X	X	X			
9.53K	9531F	X	X	X	X	X		
9.76K	9761F		X	X	X			
10K	1002F	X	X	X	X	X	X	X
10.2K	1022F	X	X	X	X	X		
10.5K	1052F	X	X	X				
10.7K	1072F	X	X	X				
11K	1102F	X	X	X	X			
11.3K	1132F			X	X	X		
11.5K	1152F	X	X	X	X	X		
11.8K	1182F	X	X	X	X			
12.1K	1212F	X	X	X	X	X		X
12.4K	1242F	X	X	X	X			
12.7K	1272F	X	X	X	X			
13K	1302F	X	X	X	X			
13.3K	1332F	X	X	X	X			
13.7K	1372F	X	X	X	X			
14K	1402F	X	X	X	X			
14.3K	1432F	X	X	X	X		X	
14.7K	1472F	X	X	X	X			
15K	1502F	X	X	X	X	X	X	X
15.4K	1542F			X	X	X		
15.8K	1582F	X	X	X	X			
16.2K	1622F	X	X	X	X			
16.5K	1652F	X	X	X	X		X	
16.9K	1692F	X	X	X	X			
17.4K	1742F	X	X	X	X	X		
17.8K	1782F	X	X	X	X			
18.2K	1822F	X	X	X	X	X		
18.7K	1872F	X	X	X	X			
19.1K	1912F	X	X	X	X			
19.6K	1962F	X	X	X	X			
20K	2002F	X	X	X	X	X	X	X
20.5K	2052F	X	X	X	X	X		
21K	2102F	X	X	X	X			
21.5K	2152F	X	X	X	X	X		
22.1K	2212F	X	X	X	X	X		X
22.6K	2262F	X	X	X	X			
23.2K	2322F			X	X			
23.7K	2372F	X	X	X	X			
24.3K	2432F	X	X	X	X	X		
24.9K	2492F	X	X	X	X	X		X
25.5K	2552F			X	X	X		
26.1K	2612F	X	X	X	X	X		
26.7K	2672F	X	X	X	X			
27.4K	2742F	X	X	X	X			
28.7K	2872F	X	X	X	X			
28K	2802F			X	X			X
29.4K	2942F	X	X	X	X			
30.1K	3012F	X	X	X	X	X		
30.9K	3092F			X	X			
31.6K	3162F	X	X	X	X			
32.4K	3242F	X	X	X	X	X		X
33.2K	3322F	X	X	X	X	X		X
34K	3402F	X	X	X	X			
34.8K	3762F	X	X	X	X	X		
35.7K	3572F	X	X	X	X	X		
36.5K	3652F	X	X	X	X			
37.4K	3742F	X	X	X	X			
38.3K	3832F			X	X	X		X
39.2K	3922F	X	X	X	X	X		
40.2K	4022F	X	X	X	X	X		
41.2K	4122F	X	X	X	X			
42.2K	4222F	X	X	X	X			
43.2K	4322F			X	X			
44.2K	4422F			X	X			
45.3K	4532F	X	X	X	X			
46.4K	4642F			X	X			
47.5K	4752F	X	X	X	X	X		
48.7K	4872F			X	X			
49.9K	4992F	X	X	X	X	X		
51.1K	5112F	X	X	X	X	X		
52.3K	5232F			X	X			
54.9K	5492F	X	X	X	X			
56.2K	5622F	X	X	X	X			
57.6K	5762F		X	X	X			
59K	5902F	X	X	X	X			
60.4K	6042F	X	X	X	X			
61.9K	6192F	X	X	X	X	X		
63.4K	6342F	X	X	X	X			
64.9K	6492F	X	X	X	X			
66.5K	6652F	X	X	X	X			
68.1K	6812F	X	X	X	X	X		
69.8K	6982F	X	X	X	X			X
71.5K	7152F		X	X	X	X		
73.2K	7322F		X	X	X			
75K	7502F	X	X	X	X	X	X	
76.8K	7682F		X	X	X	X		
78.7K	7872F		X	X	X			
80.6K	8062F	X	X	X	X	X		
82.5K	8252F	X	X	X	X	X		
84.5K	8452F	X	X	X	X			
86.6K	8662F	X	X	X	X			
88.7K	8872F	X	X	X	X			
90.9K	9092F	X	X	X	X	X		
93.1K	9312F		X	X	X			
95.3K	9532F	X	X	X	X			
97.6K	9762F	X	X	X	X			
100K	1003F	X	X	X	X	X	X	X
102K	1023F	X	X	X	X			
105K	1053F		X	X	X			
107K	1073F		X	X	X			
110K	1103F	X	X	X	X	X		
113K	1133F	X	X	X				
115K	1153F	X	X	X	X			
118K	1183F		X	X	X			
121K	1213F	X	X	X	X			X
124K	1243F		X	X	X			
127K	1273F	X	X	X	X			
130K	1303F	X	X	X	X	X	X	
133K	1333F	X	X	X	X			
137K	1373F	X	X	X	X			
140K	1403F		X	X	X			
143K	1433F	X	X	X	X			
147K	1473F	X	X	X	X			
150K	1503F	X	X	X	X	X		
150K	1503F	X	X	X	X	X		
154K	1543F	X	X	X	X			
158K	1583F	X	X	X	X			
162K	1623F		X	X	X			
165K	1653F		X	X	X			
169K	1693F	X	X	X	X			
174K	1743F	X	X	X	X			
178K	1783F	X	X	X	X			
182K	1823F	X	X	X	X	X		
187K	1873F	X	X	X	X			
191K	1913F		X	X	X			
196K	1963F	X	X	X	X	X		
200K	2003F	X	X	X	X	X	X	
205K	2053F	X	X	X	X	X		
210K	2103F		X	X	X			
215K	2153F	X	X	X	X			
221K	2213F	X	X	X	X			
226K	2263F	X	X	X	X			
232K	2323F		X	X	X			
237K	2373F	X	X	X	X			
243K	2433F	X	X	X	X			
249K	2493F	X	X	X	X	X		
255K	2553F	X	X	X	X			
261K	2613F	X	X	X	X			
267K	2673F	X	X	X	X			
274K	2743F	X	X	X	X			
280K	2803F	X	X	X	X			
287K	2873F	X	X	X	X			
294K	2943F	X	X	X	X			
301K	3013F	X	X	X	X	X		
309K	3093F	X	X	X	X			
316K	3163F	X	X	X	X			
324K	3243F	X	X	X	X			
332K	3323F	X	X	X	X	X		
340K	3403F	X	X	X	X			
348K	3483F		X	X	X			
357K	3573F	X	X	X	X			
365K	3653F	X	X	X	X			
374K	3743F	X	X	X	X			
383K	3833F	X	X	X	X			
392K	3923F		X	X	X			
402K	4023F	X	X	X	X			
412K	4123F		X	X	X			
422K	4223F	X	X	X	X			
432K	4323F	X	X	X	X	X		
442K	4423F	X	X	X	X			
453K	4533F	X	X	X	X			
464K	4643F	X	X	X	X			
475K	4753F	X	X	X	X	X		
487K	4873F	X	X	X	X			
499K	4993F	X	X	X	X			
511K	5113F	X	X	X	X	X		
523K	5233F	X	X	X	X			
536K	5363F	X	X	X	X			
549K	5493F	X	X	X	X			
562K	5623F	X	X	X	X			
576K	5763F	X	X	X	X			
590K	5903F		X	X	X			
604K	6043F	X	X	X	X			
619K	6193F	X	X	X	X			
634K	6343F	X	X	X	X			
649K	6493F		X	X	X			
665K	6653F	X	X	X	X			
681K	6813F	X	X	X	X			
698K	6983F	X	X	X	X			
715K	7153F	X	X	X	X			
732K	7323F		X	X	X			
768K	7683F	X	X	X	X			
787K	7873F	X	X	X	X			
806K	8063F	X	X	X	X			
825K	8253F		X	X	X	X		
845K	8453F		X	X	X			
866K	8663F	X	X	X	X			
887K	8873F		X	X	X			
909K	9093F	X	X	X	X			
931K	9313F		X	X	X			
953K	9533F		X	X	X			
976K	9763F		X	X	X			
1M	1004F	X	X	X	X	X		
3.65M	3654			X				

MOUSER ELECTRONICS a tti company (800) 346-6873

KOA 0603, 0805, 1206 - 0.1% 25ppm Resistors

KOA SPEER ELECTRONICS, INC.

I73 SERIES - THIN FILM

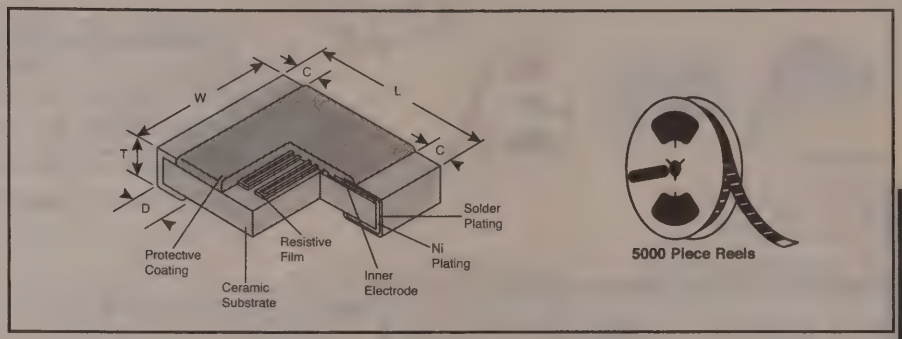
continual effort to support their customer base on a global ronment, KOA Corporation is adopting a new global part bering system.

mple:

Part Number:	New Global Part Number:
73E1ET(Code)B	RN731ELTP(Code)B25
73E1JT(Code)B	RN731JLTD(Code)B25
73E2AT(Code)B	RN732ALTD(Code)B25
73E2BT(Code)B	RN732BLTD(Code)B25

tures:

ckel chromium thin film resistor element
ti-leaching nickel barrier terminations
/10 solder plated terminations, standard
eets or exceeds EIA 576, MIL-R-55342F
arking: Four-digit, distinctive color identifiers
nly E-24 values are marked on 1J)
CR: 25ppm
lerance: 0.1%



ert Value Code from Table of Stocked Values

ize	MOUSER STOCK NO.	Value	Price Each 1	100	1000	Reel Quantity 5000	10000	25000	50000
02	660-RN731ELTP	Code B25	.76	.56	.47	.38	.34	.30	Call For Quote
03	660-RN731JLTD	Code B25	.58	.43	.36	.29	.26	.23	
05	660-RN732ALTD	Code B25	.54	.40	.34	.27	.24	.22	
06	660-RN732BLTD	Code B25	.62	.46	.39	.31	.28	.25	

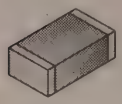
Available in various tolerances, case sizes, and 10PPM and 50PPM.
Contact a Mouser Sales Representative for more information.

Type (Inch Size Code)	Power Rating	Dimensions (IN) L	W	c	d	t
0402 (1E)	1/16 W	.039±.004	.02±.002	.008±.004	.01±.004	.014±.002
0603 (1J)	1/16 W	.063±.008	031±.004	012±.004	.012±.004	.018±.004
0805 (2A)	1/10 W	.079±.008	.049±.004	.016±.008	.012 +.008 -.004	.02±.004
1206 (2B)	1/8 W	.126±.008	.063±.008	.02±.012	.016 +.008 -.004	.024±.004

TABLE OF STOCKED VALUES

Value	Value Code *	Case Sizes 0402	0603	0805	1206
5.2	56R2			X	
1.5	71R5			X	
3.2	73R2			X	
5	75R0			X	X
9.6	79R6				X
2.5	82R5			X	
00	1000	X	X	X	X
02	1020				X
04	1040				X
10	1100				X
15	1150				X
21	1210				X
24	1240				X
27	1270				X
40	1400			X	
47	1470				X
50	1500			X	X
78	1780				X
82	1820			X	
96	1960	X	X	X	
00	2000	X	X	X	X
05	2050	X	X		
15	2150				X
19	2490			X	X
37	2870			X	
00	3000				X
01	3010	X	X		X
12	3320			X	
13	3830				X
18	3880			X	
00	3900			X	
02	3920			X	
12	4020				X
2	4120			X	
42	4320			X	
2	4420			X	
99	4990	X	X	X	X
1	5110				X
00	5600			X	
00	5900				X
04	6040			X	
09	6190			X	
00	7500			X	
07	7870			X	
75	8250	X	X	X	X
75	8450				X
87	8870			X	
00	9000				X
53	9530	X	X		
01	1001	X	X	X	X
02K	1021				X
1.13K	1131				X
1.15K	1151			X	
1.2K	1201	X			
1.21K	1211			X	
1.24K	1241	X	X	X	X
1.3K	1301				X
1.4K	1401			X	
1.5K	1501	X	X	X	X
1.62K	1621	X	X		X
1.69K	1691	X	X		X
1.78K	1781			X	X
1.87K	1871			X	X
1.96K	1961	X	X	X	
2K	2001	X	X	X	X
2.05K	2051			X	X
2.15K	2151				X
2.26K	2261			X	
2.32K	2321			X	X
2.34K	2341				X
2.49K	2491	X	X	X	X
2.55K	2551				X
2.61K	2611	X	X		X
2.67K	2671		X	X	X
2.74K	2741	X	X	X	X
2.8K	2801			X	X
2.84K	2841			X	
2.87K	2871	X	X	X	
2.94K	2941			X	
3K	3001			X	X
3.01K	3011			X	X
3.12K	3121			X	
3.16K	3161				X
3.32K	3321	X	X		X
3.48K	3481				X
3.65K	3651				X
3.74K	3741	X	X	X	
3.83K	3831			X	
3.88K	3881	X	X		
3.92K	3921			X	
4K	4001				X
4.02K	4021	X	X		X
4.12K	4121			X	
4.17K	4171				X
4.37K	4371	X	X		
4.42K	4421			X	
4.48K	4481				X
4.53K	4531			X	
4.64K	4641				X
4.7K	4701			X	
4.75K	4751	X	X	X	
4.87K	4871	X	X	X	X
4.99K	4991	X	X	X	X
5K	5001				X
5.11K	5111			X	X
5.23K	5231	X	X		
5.36K	5361			X	X
5.42K	5421				X
5.49K	5491				X
5.62K	5621				X
5.76K	5761			X	
6K	6001				X
6.04K	6041	X	X	X	X
6.19K	6191			X	X
6.2K	6201			X	
6.26K	6261			X	
6.34K	6341				X
6.49K	6491	X	X		
6.57K	6571				X
6.81K	6811			X	X
6.98K	3981			X	
7.15K	7151				X
7.41K	7411				X
7.5K	7501	X	X	X	X
7.68K	7681			X	
7.77K	7771				X
7.87K	7871			X	
8.06K	8061			X	X
8.25K	8251			X	
8.66K	8661			X	X
8.87K	8871			X	
9.09K	9091			X	X
9.2K	9201	X	X		
9.31K	9311			X	X
9.42K	9421				X
9.53K	9531				X
9.76K	9761				X
9.88K	9881	X	X		
10K	1002	X	X	X	X
10.1K	1012			X	
10.2K	1022	X	X		X
10.4K	1042	X	X		
10.5K	1052			X	
10.7K	1072	X		X	
10.9K	1092			X	
11K	1102				X
11.1K	1112				X
11.3K	1132	X	X	X	X
11.5K	1152			X	
11.7K	1172				X
11.8K	1182	X		X	X
12K	1202	X	X		
12.1K	1212	X	X	X	X
12.3K	1232				X
12.4K	1242			X	X
12.7K	1272				X
13K	1302	X	X		X
13.3K	1332	X	X	X	
13.5K	1352			X	X
13.7K	1372	X	X		
13.8K	1382				X
14K	1402			X	X
14.3K	1432			X	X
14.7K	1472				X
15K	1502			X	X
15.4K	1542				X
16K	1602				X
16.2K	1622				X
16.5K	1652	X	X	X	
16.9K	1692			X	
17.2K	1722	X	X		
17.4K	1742			X	
17.8K	1782			X	
18K	1802			X	X
18.2K	1822			X	X
18.7K	1872				X
19K	1902				X
19.1K	1912			X	X
19.6K	1962				X
20K	2002	X	X	X	X
20.5K	2052			X	
21.3K	2132			X	
21.5K	2152			X	
21.8K	2182			X	
22.1K	2212	X	X	X	X
22.6K	2262			X	X
23.2K	2322			X	X
23.7K	2372			X	X
24.3K	2432			X	
24.9K	2492	X	X	X	X
25.5K	2552			X	X
26.1K	2612			X	X
26.7K	2672	X	X	X	
27.4K	2742	X	X	X	
28K	2802				X
28.7K	2872				X
29.4K	2942				X
30K	3002	X	X	X	X
30.1K	3012			X	X
30.9K	3092			X	
31.6K	3162			X	
33.2K	3322			X	
34K	3402			X	
34.8K	3482			X	X
36.5K	3652			X	
38.3K	3832				X
39.2K	3922				X
40K	4002				X
40.2K	4022	X	X	X	X
42.2K	4222			X	
43.2K	4322			X	
44.2K	4422			X	X
45.3K	4532			X	X
47K	4702			X	
47.5K	4752	X	X	X	X
48.7K	4872			X	
49.9K	4992	X	X	X	X
50K	5002				X
51.1K	5112			X	X
52.3K	5232			X	
53.6K	5362				X
56.2K	5622			X	X
57.6K	5762			X	
59K	5902			X	
60.4K	6042				X
61.9K	6192			X	
62K	6202			X	
63.4K	6342			X	
66.5K	6652			X	
68.1K	6812			X	X
73.2K	7322			X	
75K	7502			X	
76.8K	7682			X	X
78.7K	7872				X
79.6K	7962			X	
82.5K	8252			X	X
84.5K	8452			X	X
86.6K	8662			X	X
89.8K	8982				X
90K	9002				X
90.9K	9092			X	X
95.3K	9532			X	
97.6K	9762			X	
100K	1003	X	X	X	X
102K	1023				X
110K	1103				X
118K	1183				X
200K	2003			X	
332K	3323				X
392K	3923				X
402K	4023				X
499K	4993				X
1M	1004				X

CRCW SERIES - THICK FILM - 1% SMT RESISTORS



Available in Reels

Specifications:

- Resistance tolerance: ±1%
- Operating temperature: -55°C to +150°C
- Temperature coefficient: ±100ppm
- Cut Tape and Reels available
- Industry standard sizes

* Insert **Value Code** from Table of Stocked Values

For quantities greater than listed, call for qu

Size	MOUSER STOCK NO.	Value	Power Rating	Price Each 1	100	1000	Reel Quantity 10000	30000	500
0402	71-CRCW0402-	Code	1/16 Watt	.14	.07	.03	.009	.008	.00
							5000	10000	250
0603	71-CRCW0603-	Code	1/10 Watt	.09	.025	.02	.008	.007	.00
0805	71-CRCW0805-	Code	1/8 Watt	.11	.026	.019	.008	.007	.00
1206	71-CRCW1206-	Code	1/4 Watt	.10	.02	.01	.007	.006	.00
							4000	8000	160
2010	71-CRCW2010-	Code	1/2 Watt	.40	.20	.08	.06	.05	.04
							2000	6000	100
2512	71-CRCW2512-	Code	1 Watt	.40	.28	.18	.13	.08	.06

†These are stocked values, other E-96 values available, call (800) 346-6873 for more details.

TABLE OF STOCKED VALUES

Value	Case Sizes 0402	0603	0805	1206
0	X	X	X	X
10	X	X	X	X
12.1		X	X	X
15	X	X	X	X
18.2		X	X	X
20	X	X	X	X
21.5	X	X	X	X
22.1	X	X	X	X
23.7		X	X	X
24.9	X	X	X	X
27.4	X	X	X	X
28		X	X	X
30.1	X	X	X	X
33.2	X	X	X	X
37.4	X	X	X	X
39.2	X	X	X	X
40.2	X	X	X	X
42.2		X	X	X
43.2	X	X	X	X
46.4	X	X	X	X
47.5	X	X	X	X
48.7		X	X	X
49.9	X	X	X	X
51.1	X	X	X	X
56.2	X	X	X	X
60.4	X	X	X	X
61.9	X	X	X	X
64.9		X	X	X
68.1	X	X	X	X
71.5		X	X	X
75	X	X	X	X
78.7		X	X	X
80.6		X	X	X
82.5	X	X	X	X
90.9	X	X	X	X
100	X	X	X	X
107	X	X	X	X
110		X	X	X
115	X	X	X	X
121	X	X	X	X
124	X	X	X	X
130	X	X	X	X
133	X	X	X	X
137		X	X	X
140		X	X	X
143		X	X	X
147	X	X	X	X
150	X	X	X	X
158	X	X	X	X
169		X	X	X
174	X	X	X	X
178		X	X	X
182	X	X	X	X
196	X	X	X	X
200	X	X	X	X
215		X	X	X
221	X	X	X	X
232		X	X	X
237	X	X	X	X
243	X	X	X	X
249	X	X	X	X
255		X	X	X
261		X	X	X
267		X	X	X
274	X	X	X	X
280	X	X	X	X
294	X	X	X	X
301	X	X	X	X
316		X	X	X
324		X	X	X
330	X	X	X	X
332	X	X	X	X
340		X	X	X
348	X	X	X	X
357		X	X	X
365		X	X	X
374		X	X	X
383		X	X	X
392	X	X	X	X
402		X	X	X
412	X	X	X	X
422	X	X	X	X
432	X	X	X	X
442	X	X	X	X
453		X	X	X
464		X	X	X
475	X	X	X	X
487		X	X	X
499	X	X	X	X
511	X	X	X	X
523		X	X	X
549		X	X	X
562		X	X	X
590		X	X	X
619	X	X	X	X
649	X	X	X	X
681	X	X	X	X
698		X	X	X
715		X	X	X
750	X	X	X	X
768		X	X	X
787		X	X	X
825	X	X	X	X
866		X	X	X
909	X	X	X	X
953	X	X	X	X
1.0K	X	X	X	X
1.1K	X	X	X	X
1.13K		X	X	X
1.18K		X	X	X
1.21K	X	X	X	X
1.24K		X	X	X
1.3K	X	X	X	X
1.4K		X	X	X
1.47K	X	X	X	X
1.5K	X	X	X	X
1.62K	X	X	X	X
1.65K		X	X	X
1.69K		X	X	X
1.74K	X	X	X	X
1.78K	X	X	X	X
1.8K	X	X	X	X
1.82K	X	X	X	X
2.0K	X	X	X	X
2.05K		X	X	X
2.1K		X	X	X
2.15K		X	X	X
2.21K	X	X	X	X
2.32K		X	X	X
2.37K	X	X	X	X
2.43K		X	X	X
2.49K	X	X	X	X
2.55K		X	X	X
2.61K	X		X	X
2.67K	X	X	X	X
2.7K	X	X	X	X
2.74K	X	X	X	X
2.8K	X	X	X	X
2.87K	X	X	X	X
3.01K	X	X	X	X
3.09K	X	X	X	X
3.16K	X	X	X	X
3.32K	X	X	X	X
3.4K	X	X	X	X
3.48K	X	X	X	X
3.57K		X	X	X
3.65K	X	X	X	X
3.74K	X	X	X	X
3.83K	X	X	X	X
3.92K	X	X	X	X
4.02K	X	X	X	X
4.12K	X	X	X	X
4.22K		X	X	X
4.32K		X	X	X
4.42K		X	X	X
4.64K	X	X	X	X
4.7K	X	X	X	X
4.75K	X	X	X	X
4.87K			X	X
4.99K	X	X	X	X
5.11K	X	X	X	X
5.23K		X	X	X
5.49K	X	X	X	X
5.62K	X	X	X	X
5.76K	X	X	X	X
6.04K	X	X	X	X
6.19K	X	X	X	X
6.34K	X	X	X	X
6.49K	X	X	X	X
6.65K		X	X	X
6.81K	X	X	X	X
6.98K		X	X	X
7.15K	X	X	X	X
7.5K	X	X	X	X
7.68K		X	X	X
7.87K		X	X	X
8.06K	X	X	X	X
8.25K	X	X	X	X
8.45K		X	X	X
8.66K	X	X	X	X
9.09K	X	X	X	X
9.31K	X	X	X	X
9.53K	X	X	X	X
9.76K	X	X	X	X
10K	X	X	X	X
10.2K	X	X	X	X
10.7K	X	X	X	X
11K	X	X	X	X
11.3K		X	X	X
11.5K	X	X	X	X
12.1K	X	X	X	X
12.4K	X	X	X	X
12.7K		X	X	X
13K	X	X	X	X
13.3K		X	X	X
13.7K	X	X	X	X
14K	X	X	X	X
14.7K	X	X	X	X
15K	X	X	X	X
16.2K	X	X	X	X
16.5K	X	X	X	X
16.9K	X	X	X	X
17.8K	X	X	X	X
18.2K		X	X	X
18.7K		X	X	X
20K	X	X	X	X
20.5K	X	X	X	X
21K	X	X	X	X
22.1K	X	X	X	X
22.6K		X	X	X
23.2K		X	X	X
23.7K	X	X	X	X
24.3K	X	X	X	X
24.9K	X	X	X	X
26.1K	X	X	X	X
26.7K	X	X	X	X
27.4K	X	X	X	X
28K		X	X	X
28.7K	X	X	X	X
30.1K	X	X	X	X
31.6K	X	X	X	X
32.4K	X	X	X	X
33.2K	X	X	X	X
34K	X	X	X	X
35.7K	X	X	X	X
36.5K	X	X	X	X
39.2K	X	X	X	X
40.2K	X	X	X	X
41.2K		X	X	X
42.2K	X	X	X	X
43.2K	X	X	X	X
46.4K	X	X	X	X
47K	X	X	X	X
47.5K	X	X	X	X
49.9K	X	X	X	X
51.1K	X	X	X	X
56.2K	X	X	X	X
59.0K	X	X	X	X
60.4K		X	X	X
61.9K	X	X	X	X
63.4K	X	X	X	X
64.9K		X	X	X
66.5K	X	X	X	X
68.1K	X	X	X	X
69.8K	X		X	X
71.5K	X	X	X	X
73.2K	X	X	X	X
75K	X	X	X	X
76.8K	X	X	X	X
78.7K	X	X	X	X
80.6K	X	X	X	X
82.5K	X	X	X	X
84.5K	X	X	X	X
86.6K	X	X	X	X
88.7K	X	X	X	X
90.9K		X	X	X
93.1K	X	X	X	X
95.3K		X	X	X
97.6K	X	X	X	X
100K	X	X	X	X
102K	X	X	X	X
105K	X	X	X	X
107K	X	X	X	X
110K	X	X	X	X
113K	X	X	X	X
115K		X	X	X
118K	X	X	X	X
121K	X	X	X	X
124K	X	X	X	X
127K			X	X
130K	X	X	X	X
133K		X	X	X
137K	X	X	X	X
140K		X	X	X
143K	X	X	X	X
147K		X	X	X
150K	X	X	X	X
154K	X	X	X	X
158K	X	X	X	X
162K	X	X	X	X
165K	X	X	X	X
169K		X	X	X
174K	X	X	X	X
178K		X	X	X
182K		X	X	X
187K		X	X	X
191K	X	X	X	X
196K		X	X	X
200K	X	X	X	X
205K	X	X	X	X
215K		X	X	X
221K	X	X	X	X
226K		X	X	X
232K	X	X	X	X
237K	X	X	X	X
243K		X	X	X
249K	X	X	X	X
255K	X	X	X	X
261K	X	X	X	X
267K	X	X	X	X
274K	X	X	X	X
280K	X	X	X	X
287K	X	X	X	X
294K	X	X	X	X
301K	X	X	X	X
309K	X	X	X	X
316K	X	X	X	X
324K		X	X	X
332K	X	X	X	X
340K	X	X	X	X
348K	X	X	X	X
357K	X	X	X	X
365K	X	X	X	X
374K	X	X	X	X
383K	X	X	X	X
392K	X	X	X	X
402K	X	X	X	X
412K	X	X	X	X
422K	X	X	X	X
432K	X	X	X	X
442K	X	X	X	X
453K	X	X	X	X
464K	X	X	X	X
475K	X	X	X	X
487K	X	X	X	X
499K	X	X	X	X
511K	X	X	X	X
523K	X	X	X	X
536K	X	X	X	X
549K	X	X	X	X
562K	X	X	X	X
576K	X	X	X	X
590K	X	X	X	X
604K	X	X	X	X
619K	X	X	X	X
634K	X	X	X	X
649K	X	X	X	X
665K	X	X	X	X
681K	X	X	X	X
698K	X	X	X	X
715K	X	X	X	X
732K	X	X	X	X
750K	X	X	X	X
768K	X	X	X	X
787K	X	X	X	X
806K	X	X	X	X
825K	X	X	X	X
845K	X	X	X	X
866K	X	X	X	X
887K	X	X	X	X
909K	X	X	X	X
931K	X	X	X	X
953K	X	X	X	X
976K	X	X	X	X
1.00M	X	X	X	X

WSL SERIES

Features:

- Ideal for current sensing, voltage division and pulse applications
- All welded construction
- 60/40 tin/lead copper terminations
- Solid metal Nickel-chrome or Manganese-copper alloy resistive element
- Very low inductance 0.5nH to 5nH
- Proprietary technique produces extremely low resistance values
- Excellent frequency response
- Low thermal EMF
- Tolerance 1% standard

* Insert **Value Code** from Table of Stocked Values

For quantities greater than listed, call for q

Size	MOUSER STOCK NO.	Value	Value Range	Power Rating	Price Each 1	100	500	1000	2000	4000	80
1206	71-WSL1206-	Code	0.01-0.06	1/4 Watt	.80	.64	.52	.50	.48	.47	.4
1206	71-WSL1206-	Code	0.08-0.15	1/4 Watt	.68	.54	.44	.42	.40	.39	.3
2010	71-WSL2010-	Code	0.004-0.008	1/2 Watt	1.30	1.04	.84	.82	.81	.79	.7
2010	71-WSL2010-	Code	0.01-0.068	1/2 Watt	.90	.72	.58	.56	.55	.54	.5
2010	71-WSL2010-	Code	0.075-0.5	1/2 Watt	.75	.60	.48	.45	.44	.43	.4
2512	71-WSL2512-	Code	0.003-0.004	1Watt	1.40	1.12	.90	.85	.82	.80	.7
2512	71-WSL2512-	Code	0.005-0.009	1Watt	1.35	1.08	.87	.82	.80	.78	.7
2512	71-WSL2512-	Code	0.01-0.068	1Watt	.93	.74	.60	.58	.56	.55	.5
2512	71-WSL2512-	Code	0.075-0.5	1Watt	.80	.64	.52	.50	.48	.47	.4

TABLE OF STOCKED VALUES

Value	Case Sizes 1206	2010	2512
0.003			X
0.004		X	X
0.005		X	X
0.006		X	X
0.007		X	X
0.0075			X
0.008		X	
0.009			X
0.01	X	X	X
0.012	X	X	X
0.015	X	X	X
0.016		X	
0.02	X	X	X
0.025	X	X	X
0.03	X	X	X
0.033	X	X	X
0.035		X	
0.04	X	X	X
0.05	X	X	X
0.056		X	
0.058		X	
0.06	X	X	
0.062			X
0.068		X	X
0.075		X	X
0.08	X		X
0.1	X	X	X
0.12		X	X
0.15	X	X	X
0.18		X	
0.2	X	X	X
0.22		X	X
0.25		X	X
0.27		X	
0.3		X	X
0.33			X
0.332			X
0.4			X
0.47			X
0.5			X
0.51			

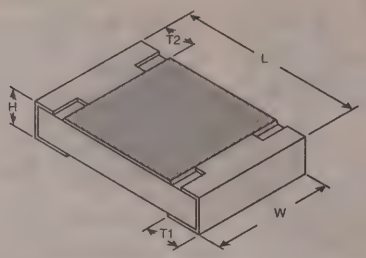
VISHAY / DALE 0603, 0805, 1206 - 0.1% 25ppm Resistors

VISHAY

NPW SERIES - THIN FILM RECTANGULAR, RESISTOR CHIP

Features:
- Metal film layer on high quality ceramic
- Protective top coat
- Excellent stability at different environmental conditions
- Low TC and tight tolerances
- TC: 25ppm
- Tolerance: 0.1%
- Available with tin lead or (Pb)- free solder contacts

1000 Piece Reels



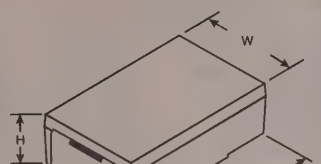
Size		Power Rating P70°C (W)		Dimensions mm					Size		Solder Pad Dimensions mm					
											Reflow Soldering			Wave Soldering		
Inch	Metric	EN 140401-801	EIA 575	L	W	H	T1	T2	Inch	Metric	a	b	l	a	b	l
0603	1608	0.100	0.063	1.6 ±.2	.81 ±.2	.4 ±.1	.3 ±.2	.3 ±.2	0603	1608	.5	.9	1	.9	.9	1
0805	2012	0.125	0.100	2 ±.2	1.24 ±.2	.4 ±.1	.4 ±.25	.4 ±.25	0805	2012	.7	1.3	1.2	.9	1.3	1.3
1206	3216	0.250	0.125	3.2 ±.15	1.6 ±.15	.61 ±.15	.5 ±.25	.5 ±.25	1206	3216	.9	1.7	2	1.1	1.7	2.3

Vishay Series	Size	Value Range	MOUSER STOCK NO.			CUT TAPE		TAPE AND REEL			
						Price Each					
				Value		1	100	1000	5,000	10,000	25,000
NPW	0603	10-332K	71-TNPW0603	Code	BETY	.52	.42	.38	.28	.27	.25
NPW	0805	10-100K	71-TNPW0805	Code	BETY	.52	.42	.30	.28	.27	.25
NPW	0805	105K-1M	71-TNPW0805	Code	BETY	.85	.63	.61	.60	.56	.52
NPW	1206	10-150K	71-TNPW1206	Code	BETY	.69	.48	.43	.40	.38	.36
NPW	1206	165K-2M	71-TNPW1206	Code	BETY	1.10	.81	.79	.77	.72	.67

TABLE OF STOCKED VALUES

Value	Value Code *	Case Sizes 0603	0805	1206	Value	Value Code *	Case Sizes 0603	0805	1206	Value	Value Code *	Case Sizes 0603	0805	1206	Value	Value Code *	Case Sizes 0603	0805	1206
0	10R0		X		2K	2K00		X	X	10.4K	10K4		X		45.3K	45K3			X
0.9	49R9		X	X	2.21K	2K21	X	X	X	10.5K	10K5		X		47.0K	47K0		X	
5	75R0			X	2.37K	2K37		X		11K	11K0		X	X	47.5K	47K5		X	X
00	100R		X	X	2.43K	2K43		X	X	11.3K	11K3			X	49.9K	49K9	X	X	X
21	121R		X	X	2.49K	2K49	X	X	X	12K	12K0			X	51.1K	51K1	X	X	X
24	124R			X	2.67K	2K67	X		X	12.1K	12K1		X	X	53.6K	53K6		X	
27	127R			X	2.74K	2K74		X		12.4K	12K4		X	X	56.2K	56K2			X
50	150R		X	X	2.94K	2K94			X	12.7K	12K7		X		57.6K	57K6			X
00	200R		X	X	3.01K	3K01		X	X	13K	13K0		X	X	60.4K	60K4		X	
15	215R		X		3.09K	3K09	X		X	13.3K	13K3		X	X	64.9K	64K9			X
49	249R		X	X	3.16K	3K16	X		X	13.7K	13K7			X	66.5K	66K5		X	
74	274R			X	3.32K	3K32		X	X	14K	14K0		X		68.1K	68K1			X
01	301R		X	X	3.4K	3K40			X	14.3K	14K3			X	71.5K	71K5			X
32	332R			X	3.48K	3K48			X	14.7K	14K7			X	75K	75K0		X	
92	392R			X	3.57K	3K57		X	X	15K	15K0		X	X	76.8K	76K8			X
02	402R		X		3.74K	3K74			X	15.4K	15K4		X		80.6K	80K6		X	X
22	422R			X	3.83K	3K83		X		16.2K	16K2		X	X	82.5K	82K5			X
75	475R			X	3.92K	3K92		X	X	16.9K	16K9		X		90.9K	90K9		X	X
99	499R		X	X	4.02K	4K02		X		17.4K	17K4		X	X	100K	100K		X	X
01	511R		X	X	4.12K	4K12			X	17.8K	17K8	X		X	105K	105K			X
04	604R		X	X	4.22K	4K22			X	18.2K	18K2		X		110K	110K			X
01	681R		X		4.42K	4K42		X		18.7K	18K7			X	115K	115K		X	X
00	750R			X	4.53K	4K53			X	19.6K	19K6	X	X	X	121K	121K			X
87	787R			X	4.7K	4K70		X		20K	20K0		X	X	124K	124K			X
06	806R		X		4.75K	4K75		X	X	21K	21K0			X	127K	127K			X
25	825R			X	4.99K	4K99		X	X	22.1K	22K1	X	X	X	130K	130K			X
09	909R			X	5K	5K00			X	24.3K	24K3			X	133K	133K			X
31	931R			X	5.11K	5K11		X	X	24.9K	24K9			X	143K	143K			X
53	976R			X	5.23K	5K23			X	25.5K	25K5		X		150K	150K		X	X
	1K00		X	X	5.49K	5K49			X	27.1K	27K1			X	165K	165K			X
2K	1K02		X		5.62K	5K62			X	27.4K	27K4		X	X	182K	182K			X
5K	1K05		X		6.04K	6K04		X	X	28K	28K0	X	X	X	200K	200K	X	X	X
K	1K10		X		6.19K	6K19		X	X	28.7K	28K7			X	221K	221K			X
5K	1K15		X		6.34K	6K34			X	29.4K	29K4	X		X	232K	232K			X
1K	1K21		X	X	6.81K	6K81		X	X	30.1K	30K1	X	X	X	243K	243K			X
4K	1K24			X	7.32K	7K32			X	30.9K	30K9		X		249K	249K		X	X
7K	1K27			X	7.5K	7K50		X	X	31.6K	31K6			X	301K	301K			X
K	1K30			X	8.06K	8K06		X	X	33.2K	33K2		X	X	332K	332K			X
K	1K40			X	8.25K	8K25		X	X	34K	34K0			X	357K	357K			X
7K	1K47			X	8.45K	8K45	X	X		34.8K	34K8			X	499K	499K			X
K	1K50	X	X		9.09K	9K09		X	X	38.3K	38K3	X	X		1M	1M00			X
4K	1K54			X	9.53K	9K53		X		39.2K	39K2		X	X					
2K	1K62		X	X	9.76K	9K76			X	40.2K	40K2		X	X					
K	1K80		X		10K	10K0		X	X	41.2K	41K2			X					
8K	1K96			X	10.2K	10K2			X	44.2K	44K2			X					

Features:
- Wrap around terminations
- High power ratings
- All welded construction
- Superior surge capability
- Molded encapsulation
- Tolerance 1% standard
- Available in non-inductive styles with Aryton-Perry winding (WSN in lieu of WSC)
- Cut Tape or Full Reels available



Model	DIMENSIONS: mm (in.)				
	L	H	T	W	W_1
WSC01/2	5.08±0.508 (0.2±0.02)	2.44±0.381 (0.096±0.015)	1.02±0.254 (0.04±0.01)	3.18±0.127 (0.125±0.005)	1.27±0.25 (0.05±0.0
WSC0001	6.35±0.508 (0.25±0.02)	2.79±0.381 (0.11±0.015)	1.14±0.254 (0.045±0.01)	3.81±0.127 (0.15±0.005)	2.49±0.12 (0.098±0.0
WSC2515	6.35±0.508 (0.25±0.02)	2.79±0.381 (0.11±0.015)	1.14±0.254 (0.045±0.01)	3.81±0.127 (0.15±0.005)	2.49±0.12 (0.098±0.0
WSC0002	11.3±0.813 (0.445±0.032)	4.11±0.381 (0.162±0.015)	2.54±0.254 (0.1±0.01)	6.98±0.127 (0.275±0.005)	5.46±0.12 (0.215±0.0
WSC4527	11.56±0.508 (0.455±0.02)	4.24±0.254 (0.167±0.01)	2.54±0.254 (0.1±0.01)	6.98±0.127 (0.275±0.005)	5.46±0.12 (0.215±0.0
WSC6927	17.53±0.813 (0.69±0.032)	7.11±0.381 (0.28±0.015)	2.54±0.254 (0.1±0.01)	6.98±0.127 (0.275±0.005)	5.46±0.38 (0.215±0.0

WSC SERIES-1/2, 1, AND 2 WATT

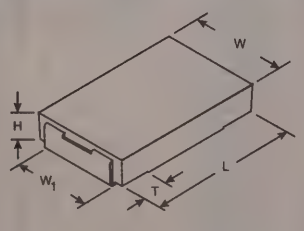
MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each 1	100	500	1000	2000+
WSC01/2 Size, 1/2 Watt							
71-WSC-1/2-0.1	WSC01\2R1000FBA	0.1	1.18	.94	.76	.73	Call for Quote
71-WSC-1/2-0.4	WSC01\2R4000FBA	0.4	1.18	.94	.76	.73	
71-WSC-1/2-2.7	WSC01\22R700FBA	2.7	1.18	.94	.76	.73	
WSC0001 Size, 1 Watt							
71-WSC-1-0.1	WSC0001R1000FTB	0.1	1.25	1.00	.80	.78	Call for Quote
71-WSC-1-0.5	WSC0001R5000FBA	0.5	1.25	1.00	.80	.78	
71-WSC-1-1.0	WSC00011R000FBA	1.0	.88	.70	.56	.54	
71-WSC-1-4.02	WSC00014R020FBA	4.02	.88	.70	.56	.54	
71-WSC-1-5.0	WSC00015R000FBA	5.0	.88	.70	.56	.54	
71-WSC-1-22	WSC000122R00FBA	22	.88	.70	.56	.54	
71-WSC-1-120	WSC0001120R0FBA	120	1.20	.96	.77	.75	
71-WSC-1-1K	WSC00011K000FBA	1K	1.63	1.30	1.04	1.01	
WSC0002 Size, 2 Watt							
71-WSC-2-0.1	WSC0002R1000FBA	0.1	1.20	.96	.77	.75	Call for Quote
71-WSC-2-0.301	WSC0002R3010FBA	0.301	1.20	.96	.77	.75	
71-WSC-2-1.0	WSC00021R000FBA	1.0	1.20	.96	.77	.75	
71-WSC-2-1.2	WSC00021R200FBA	1.2	.88	.70	.56	.54	
71-WSC-2-2.0	WSC00022R000FBA	2	.88	.70	.56	.54	
71-WSC-2-3.3	WSC00023R300FBA	3.3	.88	.70	.56	.54	
71-WSC-2-4.12	WSC00024R120FBA	4.12	.88	.70	.56	.54	
71-WSC-2-6.0	WSC00026R000FBA	6	.88	.70	.56	.54	
71-WSC-2-10	WSC000210R00FBA	10	.88	.70	.56	.54	
71-WSC-2-20	WSC000220R00FBA	20	.88	.70	.56	.54	
71-WSC-2-24.9	WSC000224R90FBA	24.9	.88	.70	.56	.54	
71-WSC-2-33.2	WSC000233R20FBA	33.2	.88	.70	.56	.54	
71-WSC-2-100	WSC0002100R0FBA	100	1.40	1.12	.90	.84	

WSC SERIES-1/2, 1, 2, AND 3 WATT, LEAD FREE

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each 1	100	500	1000	20
WSC01/2 Size, 1/2 Watt							
71-WSC01/2-1-E3	WSC01/21R000FEB	1.0	1.08	.87	.72	.67	C
71-WSC01/2-2-E3	WSC01/22R000FEB	2.0	1.08	.87	.72	.67	
71-WSC01/2-4.99-E3	WSC01/24R990FEB	4.99	1.08	.87	.72	.67	Qu
WSC2515 Size, 1 Watt							
71-WSC2515-10-E3	WSC251510R00FEB	10	.76	.70	.57	.55	
71-WSC2515-1-E3	WSC25151R000FEB	1.0	.76	.70	.57	.55	
71-WSC2515-2-E3	WSC25152R000FEB	2.0	.76	.70	.57	.55	
71-WSC2515-5-E3	WSC25155R000FEB	5.0	.76	.70	.57	.55	C
71-WSC2515-100-E3	WSC2515100R0FEB	100	.98	.91	.74	.71	
71-WSC2515-50-E3	WSC251550R00FEB	50	.98	.91	.74	.71	Qu
71-WSC2515-0.5-E3	WSC2515R5000FEB	0.5	1.02	.94	.77	.74	
71-WSC2515-1K-E3	WSC25151K000FEB	1K	1.28	1.18	.96	.93	
71-WSC2515-2K-E3	WSC25152K000FEB	2K	1.28	1.18	.96	.93	
WSC4527 Size, 2 Watt							
71-WSC4527-1-E3	WSC45271R000FEB	1.0	.89	.68	.57	.53	
71-WSC4527-10-E3	WSC452710R00FEB	10	.89	.68	.57	.53	
71-WSC4527-20-E3	WSC452720R00FEB	20	.89	.68	.57	.53	
71-WSC4527-2-E3	WSC45272R000FEB	2.0	.89	.68	.57	.53	C
71-WSC4527-5-E3	WSC45275R000FEB	5.0	.89	.68	.57	.53	
71-WSC4527-100-E3	WSC4527100R0FEB	100	1.32	1.01	.84	.78	Q
71-WSC4527-400-E3	WSC4527400R0FEB	400	1.32	1.01	.84	.78	
71-WSC4527-50-E3	WSC452750R00FEB	50	1.32	1.01	.84	.78	
71-WSC4527-1K-E3	WSC45271K000FEB	1K	1.79	1.37	1.14	1.06	
71-WSC4527-2K-E3	WSC45272K000FEB	2K	1.79	1.37	1.14	1.06	
WSC6927 Size, 3 Watt							
71-WSC6927-100-E3	WSC6927100R0FEA	100	2.44	1.98	1.61	1.52	
71-WSC6927-10-E3	WSC692710R00FEA	10	2.44	1.98	1.61	1.52	C
71-WSC6927-1K-E3	WSC69271K000FEA	1K	2.44	1.98	1.61	1.52	
71-WSC6927-1-E3	WSC69271R000FEA	10	2.44	1.98	1.61	1.52	Q
71-WSC6927-0.5-E3	WSC6927R5000FEA	0.5	2.76	2.24	1.82	1.72	

WSR SERIES, 2 AND 3 WATT

Features:
- Ideal for current sensing, voltage division and pulse applications including switching, linear power supplies, and power amplifiers
- Molded high temperature encapsulation
- Very low inductance 0.5nH to 5nH
- Proprietary technique produces extremely low resistance values
- Excellent frequency response
- Low thermal EMF
- Tolerance 1% standard
- Case size: 4527
- Cut Tape or Full Reels available



Model	Power Rating @ 70°	DIMENSIONS: mm (in.) L	H	T	W	W_1
WSR2	2 Watt	11.56±0.813 (0.455±0.032)	2.41±0.127 (0.095±0.005)	2.54±0.254 (0.1±0.01)	6.98±0.127 (0.275±0.005)	5.46±0. (0.215±0
WSR3	3 Watt					

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each 1	100	500	1000	2000+
2 Watt							
71-WSR-2-0.005	WSR25L000FTA	0.005	1.38	1.10	.88	.85	Call for Quote
71-WSR-2-0.007	WSR27L000FTA	0.007	1.38	1.10	.88	.85	
71-WSR-2-0.008	WSR28L000FTA	0.008	1.38	1.10	.88	.85	
71-WSR-2-0.01	WSR2R0100FTA	0.01	1.13	.90	.72	.70	
71-WSR-2-0.0125	WSR2R0125FTA	0.0125	1.13	.90	.72	.70	
71-WSR-2-0.015	WSR2R0150FTA	0.015	1.13	.90	.72	.70	
71-WSR-2-0.02	WSR2R0200FTA	0.02	1.13	.90	.72	.70	
71-WSR-2-0.025	WSR2R0250FTA	0.025	1.13	.90	.72	.70	
71-WSR-2-0.03	WSR2R0300FTA	0.03	1.13	.90	.72	.70	
71-WSR-2-0.05	WSR2R0500FTA	0.05	1.13	.90	.72	.70	
71-WSR-2-0.1	WSR2R1000FTA	0.1	1.03	.82	.66	.64	

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each 1	100	500	1000	2
2 Watt (Cont.)							
71-WSR-2-0.2	WSR2R2000FTA	0.2	1.03	.82	.66	.64	
71-WSR-2-0.365	WSR2R3650FTA	0.365	1.03	.82	.66	.64	
71-WSR-2-0.402	WSR2R4020FTA	0.402	1.03	.82	.66	.64	
71-WSR-2-0.5	WSR2R5000FTA	0.5	1.03	.82	.66	.64	Q
71-WSR-2-0.75	WSR2R7500FTA	0.75	1.03	.82	.66	.64	
71-WSR-2-1.0	WSR21R000FTA	1.0	1.03	.82	.66	.64	
3 Watt							
71-WSR-3-0.01	WSR3R0100FTA	0.01	1.15	.92	.74	.72	
71-WSR-3-0.02	WSR3R0200FTA	0.02	1.15	.92	.74	.72	
71-WSR-3-0.1	WSR3R1000FTA	0.1	1.05	.84	.67	.65	
71-WSR-3-0.2	WSR3R2000FTA	0.2	1.05	.84	.67	.65	Q

ICON 0603, 0805, 1206 - 5% SMD Film Resistors

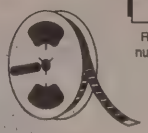
XICON

ICK FILM

ures:
h purity alumina substrate
ve or flow solderable
ap around termination
ellent high frequency characteristics
nt temperature coefficient resistance

- Inner electrode protection
- Excellent mechanical strength
- Excellent electrical stability
- High quality thick film element
- Stable high frequency characteristics
- Reduced lead inductance

Common Specification:
- Temperature coefficient:
  100Ω and below: ±500ppm
  110Ω to 470KΩ: ±300ppm
  510KΩ to 3.3MΩ: ±500ppm
  3.6MΩ to 10MΩ: ±1000ppm

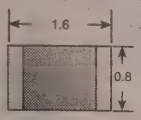


Resistor Pricing

Resistors ordered in lots of 1 reel per value can be combined with the same stock number range for lower price. Annual price agreements are also available. Call any Mouser Service Representative.

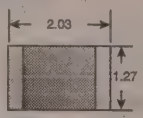
Available in Reels

Case Style Specifications:
ed power: 1/16W
x working voltage: 50V DC
x overload voltage: 100V DC
erating temperature range:
5°C to +125°C



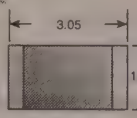
DIMENSIONS (mm)

0805 Case Style Specifications:
- Rated power: 1/10W
- Resistance tolerance: ±5%
- Max working voltage: 100V DC
- Max overload voltage: 200V DC
- Operating temperature: -55°C to +125°C



DIMENSIONS (mm)

1206 Case Style Specifications:
- Rated power: 1/8W
- Resistance tolerance: ±5%
- Max working voltage: 200V DC
- Max overload voltage: 300V DC
- Operating temperature: -55°C to +125°C



DIMENSIONS (mm)

TABLE OF STOCKED VALUES

	1.8	3.6	6.8	13	27	51	100	200	390	750	1.5K	3K	5.6K	11K	22K	43K	82K	160K	330K	620K	1.2M	2.4M	4.7M	9.1M
0	2.0	3.9	7.5	15	30	56	110	220	430	820	1.6K	3.3K	6.2K	12K	24K	47K	91K	180K	360K	680K	1.3M	2.7M	5.1M	10M
1	2.2	4.3	8.2	16	33	62	120	240	470	910	1.8K	3.6K	6.8K	13K	27K	51K	100K	200K	390K	750K	1.5M	3M	5.6M	
2	2.4	4.7	9.1	18	36	68	130	270	510	1K	2K	3.9K	7.5K	15K	30K	56K	110K	220K	430K	820K	1.6M	3.3M	6.2M	
3	2.7	5.1	10	20	39	75	150	300	560	1.1K	2.2K	4.3K	8.2K	16K	33K	62K	120K	240K	470K	910K	1.8M	3.6M	6.8M	
5	3.0	5.6	11	22	43	82	160	330	620	1.2K	2.4K	4.7K	9.1K	18K	36K	68K	130K	270K	510K	1M	2M	3.9M	7.5M	
6	3.3	6.2	12	24	47	91	180	360	680	1.3K	2.7K	5.1K	10K	20K	39K	75K	150K	300K	560K	1.1M	2.2M	4.3M	8.2M	

ase Size	Bulk Packs Parts packed on SMD tape. MOUSER STOCK NO.	Price Per Value 1	100	1000	Tape and Reel Reel Qty.	Price Each 5000	10000	50000	100000
03	301-Value	.11	.019	.009	5000	.008	.007	.005	.005
05	260-Value	.08	.015	.007	5000	.005	.004	.003	.003
06	263-Value	.08	.015	.007	5000	.005	.004	.003	.003

ICON 0402, 0603, 0805, 1206 - 1% SMD Film Resistors

XICON

ICK FILM

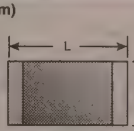
Case Style Specifications:
ed power: 1/10W
istance tolerance: ±1%
x working voltage: 100V DC
x overload voltage: 200V DC
erating temperature: -55°C to +125°C

1206 Case Style Specifications:
- Rated power: 1/8W
- Resistance tolerance: ±1%
- Max working voltage: 200V DC
- Max overload voltage: 300V DC
- Operating temperature: -55°C to +125°C

Common Specification:
- Temperature coefficient:
  100Ω and below: ±300ppm
  102Ω to 499KΩ: ±100ppm
  511KΩ to 1.0MΩ: ±300ppm

DIMENSIONS (mm)

Available in Reels



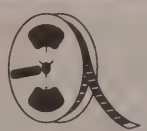


TABLE OF STOCKED VALUES

	17.4	30.1	52.3	90.9	158	274	464	806	1.4K	2.43K	4.12K	7.15K	12.4K	21.5K	36.5K	63.4K	110K	191K	324K	562K	976K				
2	17.8	30.9	53.6	93.1	162	280	475	825	1.43K	2.49K	4.22K	7.32K	12.7K	22.1K	37.4K	64.9K	113K	196K	332K	576K	1.0M				
5	18.2	31.6	54.9	95.3	165	287	487	845	1.47K	2.55K	4.32K	7.5K	13K	22.6K	38.3K	66.5K	115K	200K	340K	590K					
7	18.7	32.4	56.2	97.6	169	294	499	866	1.5K	2.61K	4.42K	7.68K	13.3K	23.2K	39.2K	68.1K	118K	205K	348K	604K					
	19.1	33.2	57.6	100	174	300	511	887	1.54K	2.67K	4.53K	7.87K	13.7K	23.7K	40.2K	69.8K	121K	210K	357K	619K					
3	19.6	34	59	102	178	301	523	909	1.58K	2.74K	4.64K	8.06K	14.K	24.3K	41.2K	71.5K	124K	215K	365K	634K					
5	20	34.8	60.4	105	182	309	536	931	1.62K	2.8K	4.75K	8.25K	14.3K	24.9K	42.2K	73.2K	127K	221K	374K	649K					
8	20.5	35.7	61.9	107	187	316	549	953	1.65K	2.87K	4.87K	8.45K	14.7K	25.5K	43.2K	75K	130K	226K	383K	665K					
1	21	36.5	63.4	110	191	324	562	976	1.69K	2.94K	4.99K	8.66K	15K	26.1K	44.2K	76.8K	133K	232K	392K	681K					
4	21.5	37.4	64.9	113	196	332	576	1.0K	1.74K	3.0K	5.11K	8.87K	15.4K	26.7K	45.3K	78.7K	137K	237K	402K	698K					
7	22.1	38.3	66.5	115	200	340	590	1.02K	1.78K	3.01K	5.23K	9.09K	15.8K	27.4K	46.4K	80.6K	140K	243K	412K	715K					
	22.6	39.2	68.1	118	205	348	604	1.05K	1.82K	3.09K	5.36K	9.31K	16.2K	28K	47.5K	82.5K	143K	249K	422K	732K					
3	23.2	40.2	69.8	121	210	357	619	1.07K	1.87K	3.16K	5.49K	9.53K	16.5K	28.7K	48.7K	84.5K	147K	255K	432K	750K					
7	23.7	41.2	71.5	124	215	365	634	1.1K	1.91K	3.24K	5.62K	9.76K	16.9K	29.4K	49.9K	86.6K	150K	261K	442K	768K					
	24.3	42.2	73.2	127	221	374	649	1.13K	1.96K	3.32K	5.76K	10K	17.4K	30K	51.1K	88.7K	154K	267K	453K	787K					
3	24.9	43.2	75	130	226	383	665	1.15K	2.0K	3.4K	5.9K	10.2K	17.8K	30.1K	52.3K	90.9K	158K	274K	464K	806K					
7	25.5	44.2	76.8	133	232	392	681	1.18K	2.05K	3.48K	6.04K	10.5K	18.2K	30.9K	53.6K	93.1K	162K	280K	475K	825K					
	26.1	45.3	78.7	137	237	402	698	1.21K	2.1K	3.57K	6.19K	10.7K	18.7K	31.6K	54.9K	95.3K	165K	287K	487K	845K					
4	26.7	46.4	80.6	140	243	412	715	1.24K	2.15K	3.65K	6.34K	11.K	19.1K	32.4K	56.2K	97.6K	169K	294K	499K	866K					
8	27.4	47.5	82.5	143	249	422	732	1.27K	2.21K	3.74K	6.49K	11.3K	19.6K	33.2K	57.6K	100K	174K	300K	511K	887K					
2	28	48.7	84.5	147	255	432	750	1.3K	2.26K	3.83K	6.65K	11.5K	20K	34.K	59.0K	102K	178K	301K	523K	909K					
5	28.7	49.9	86.6	150	261	442	768	1.33K	2.32K	3.92K	6.81K	11.8K	20.5K	34.8K	60.4K	105K	182K	309K	536K	931K					
9	29.4	51.1	88.7	154	267	453	787	1.37K	2.37K	4.02K	6.98K	12.1K	21.K	35.7K	61.9K	107K	187K	316K	549K	953K					

ase ize	Bulk Packs Parts packed on SMD tape. MOUSER STOCK NO.	Dimensions (mm) L	W	Price Per Value 1	100	1000	Tape and Reel Reel Qty.	Price Each 5000	10000	50000	100000
2	304-Value	1.0	0.5	.09	.05	- - -	10000	- - -	.007	.006	.005
3	302-Value	1.6	0.8	.07	.044	.016	5000	.005	.004	.003	.003
5	292-Value	2.03	1.27	.08	.043	.017	5000	.006	.005	.004	.004
6	290-Value	3.05	1.52	.09	.018	.007	5000	.006	.006	.004	.004

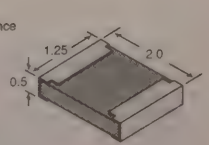
CON 0.1% SMD Thin Film Resistors

XICON

PM/°C - 0805

ifications:
rance: ±0.1%
t: ±10PPM/°C
kage size: 0805
operating voltage: 75VDC max.
er rating: 0.1W

Features:
- Thin film resistor
- Stable high frequency performance
- Uniform physical dimensions



DIMENSIONS (mm)

lable in other package sizes with lead time and MOQ requirements

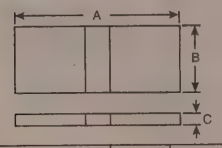
MOUSER STOCK NO.	Range of Values (Ω) See Table	Price Each 1	50	100	500
Value	100 - 100K	1.39	1.25	.95	.70

TABLE OF STOCKED VALUES

100	215	511	1.1K	2.1K	4.02K	6.65K	11.5K	21K	39.2K
105	243	590	1.24K	2.21K	4.12K	6.81K	12.1K	24.3K	40.2K
121	249	634	1.33K	2.49K	4.22K	6.98K	12.4K	24.9K	46.4K
124	267	732	1.5K	2.61K	4.53K	7.5K	13K	30.1K	49.9K
130	301	825	1.54K	3.16K	4.75K	7.68K	13.3K	30.9K	56.2K
150	340	845	1.62K	3.24K	4.99K	7.87K	15K	32.4K	66.5K
165	357	887	1.65K	3.32K	5.62K	8.25K	16.5K	33.2K	68.1K
174	365	931	1.78K	3.57K	5.9K	9.09K	18.7K	34.8K	75K
187	402	1.0K	2.0K	3.83K	6.04K	10K	19.1K	35.7K	78.7K
200	499	1.02K	2.05K	3.92K	6.34K	10.2K	20K	38.3K	100K

IRC 5% SMD Current Sensing Resistors

CSS SERIES CHIP RESISTORS



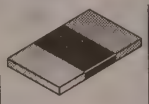
Dimensions	A	B	C	a	b	c	d
Inches	0.250	0.125	0.030	0.120	0.050	0.120	0.145
Milimeters	6.35	3.18	0.76	3.05	1.27	3.05	3.68

Features:
- 1 Watt in a 2512 Package Size
- Low TCR (20 ppm/°C) resistor alloy
- Low Inductance, Rugged Construction
- High Current Handling Capacity (45 Amps Continuous Max)

Specifications:
- Tolerance: ±5%
- Power (Watts): 1 @ 70°C
- Current Rating: Range Dependent

Operating Characteristics:
- Load Life @ 70°C: 1% Δ Max
- Moisture No Load: 1% Δ Max
- Temp Cycle @ -40°C & +125°C: 1% Δ Max

Applications:
- Current Sensir
- Feedback
- High Frequenc



For quantities of 3000 and up, call for qu

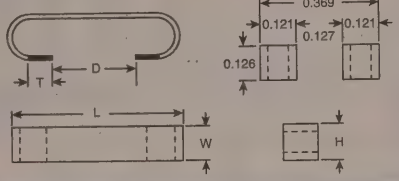
MOUSER STOCK NO.	IRC Part No.	Resistance (Ω)	Price Each 1	25	50	100	500	Ree 150
66-CSS1R001J	CSS1R001J	.001	.70	.66	.62	.57	.53	.48
66-CSS1R002J	CSS1R002J	.002	.70	.66	.62	.57	.53	.48
66-CSS1R003J	CSS1R003J	.003	.70	.66	.62	.57	.53	.48
66-CSS1R0015J	CSS1R0015J	.0015	.70	.66	.62	.57	.53	.48

OARS SERIES OPEN AIR SENSE RESISTORS

Features:
- Superior Thermal Expansion Cycling
- Inductance ≤ 10nH
- Flameproof
- Solderable Pads (60/40 Solder Plated)
- Lead Flexible for Thermal Expansion
- Low Termination Stress ("J" Leads)

Applications:
- Current Sensing
- Feedback
- Low Inductance
- Surge and Pulse
- AC Applications (please contact the factory)

Operating Characteristics:
- Load Life @ 70°C (1000 hrs): 1% D Max.
- Moisture No Load (1000 hrs): 1% D Max.
- Temperature Cycle @ -40°C & +125°C (1000 cyc): 1% Max.



Specifications:
- Tolerance: ±5%
- Resistance Wire TCR ±20ppm/°C
- 50V Continuous Pulse Rating/Rated Voltage

Dimensions IN (mm)					
Type	L	H	T	D	W
OARS-1	0.440±0.015 (11.18±0.381)	0.120±0.030 (3.05±0762)	0.093±0.010 (2.36±0.254)	0.190±0.030 (4.83±0.762)	0.125±0.0 (3.175ma

For quantities of 3800 and up, call for qu

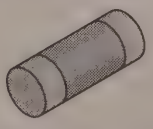
MOUSER STOCK NO.	IRC Part No.	Resist. (Ω)	Power Rating (Watts)	Price Each 1	10	100	250	R 1
66-OARS1R003JLF	OARS1R003JLF	.003	1W @ 85°C	.96	.90	.84	.78	
66-OARS1R005JLF	OARS1R005JLF	.005	1W @ 85°C	.96	.90	.84	.78	
66-OARS1R010JLF	OARS1R010JLF	.010	1W @ 85°C	.84	.79	.74	.68	
66-OARS1R015JLF	OARS1R015JLF	.015	1W @ 85°C	.84	.79	.74	.68	
66-OARS1R020JLF	OARS1R020JLF	.020	1W @ 85°C	.84	.79	.74	.68	
66-OARS1R030JLF	OARS1R030JLF	.030	1W @ 85°C	.84	.79	.74	.68	
66-OARS1R040JLF	OARS1R040JLF	.040	1W @ 85°C	.84	.79	.74	.68	
66-OARS1R050JLF	OARS1R050JLF	.050	1W @ 85°C	.84	.79	.74	.68	

IRC 10% SMD Surge Resistors

HSF-1 SERIES

Specifications:
- Size Code: F
- Industry Footprint: 2512
- Maximum Power Rating: 1W @ 70°C
- Working Wattage: 350
- Tolerance: ±10%
- TCR (ppm/°C): ±50, ±100

Features:
- Up to triple the surge rating of the rugged CHP1
- Replaces costly surface-mount wirewound resistors
- 150°C maximum operating temperature
- 1 Watt power rating



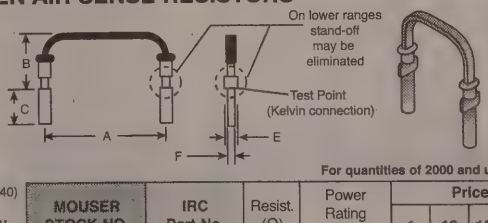
For quantities of 2000 and up, call for q

MOUSER STOCK NO.	IRC Part No.	Value (Ω)	PriceEach 1	10	100	250	500	R 1
66-HSF11006R80K7	HSF11006R80K7	6.8	.42	.39	.35	.32	.28	
66-HSF110027R0K7	HSF110027R0K7	27	.42	.39	.35	.32	.28	
66-HSF110068R0K7	HSF110068R0K7	68	.42	.39	.35	.32	.28	
66-HSF11002700K7	HSF11002700K7	2.7K	.42	.39	.35	.32	.28	

IRC 1% & 5% Leaded Current Sensing Resistors

OAR SERIES OPEN AIR SENSE RESISTORS

Note:
Contact factory for:
1. Variations of "A" dimension
2. Different lead diameter



Features:
- Welded Construction
- Flameproof
- Inductance Less than 10nH
- Solderable Copper Leads (60/40)

Operating Characteristics:
- Load Life @ 25°C (1000 hrs): 1% Max.
- Moisture No Load (1000 hrs): 1% Max.
- Temp. Cycle @ -40°C & +125°C (1000 cyc): 1% Max.

Specifications:
- Tolerance: ±5%
- Resistance Wire TCR ±20ppm/°C

Feedback:
- Low Inductance
- Surge and Pulse

Dimensions IN (mm)					
Type	A	B	C	E	F
OAR-1	0.450 +0.040 / -0.020 (11.43 +1.020 / -0.508)	0.200±0.100 (5.08±2.54)	0.125±0.030 (3.18±0.762)	0.065 +0.010 / -0.005 (1.65 +0.254 / -0.127)	0.040±0.0 (1.02±0.0
OAR-3	0.600 +0.040 / -0.020 (15.24 +1.020 / -0.508)	1.0 max. (25.4 max.)	0.125±0.030 (3.18±0.7620.1	0.065 +0.010 / -0.005 (1.65 +0.254 / -0.127)	0.040±0.0 (1.02±0.0
OAR-5	0.800 +0.040 / -0.020 (20.32 +1.020 / -0.508)	1.0 max. (25.4 max.)	25±0.030 (3.18±0.762)	0.065 +0.010 / -0.005 (1.65 +0.254 / -0.127)	0.040±0.0 (1.02±0.0

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	IRC Part No.	Resist. (Ω)	Power Rating (Watts)	Price Each 1	10	100	250	Reel 1000
66-OAR1R005J	OAR1R005J	0.005	1W @ 85°C	.56	.53	.49	.46	.39
66-OAR1R010J	OAR1R010J	0.010	1W @ 85°C	.60	.56	.53	.49	.41
66-OAR1R015J	OAR1R015J	0.015	1W @ 85°C	.60	.56	.53	.49	.41
66-OAR1R020J	OAR1R020J	0.020	1W @ 85°C	.60	.56	.53	.49	.41
66-OAR1R030J	OAR1R030J	0.030	1W @ 85°C	.60	.56	.53	.49	.41
66-OAR1R040J	OAR1R040J	0.040	1W @ 85°C	.60	.56	.53	.49	.41
66-OAR1R050J	OAR1R050J	0.050	1W @ 85°C	.60	.56	.53	.49	.41
66-OAR1R070J	OAR1R070J	0.070	1W @ 85°C	.60	.56	.53	.49	.41
66-OAR1R080J	OAR1R080J	0.080	1W @ 85°C	.60	.56	.53	.49	.41
66-OAR1R100J	OAR1R100J	0.100	1W @ 85°C	.60	.56	.53	.49	.41
66-OAR3R005J	OAR3R005J	0.005	3W @ 85°C	.78	.73	.68	.63	.53
66-OAR3R010J	OAR3R010J	0.010	3W @ 85°C	.68	.64	.60	.55	.47
66-OAR3R015J	OAR3R015J	0.015	3W @ 85°C	.68	.64	.60	.55	.47
66-OAR3R020J	OAR3R020J	0.020	3W @ 85°C	.68	.64	.60	.55	.47

For quantities of 2000 and up, call for

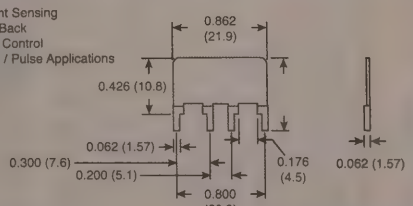
MOUSER STOCK NO.	IRC Part No.	Resist. (Ω)	Power Rating (Watts)	Price Each 1	10	100	250	R 1
66-OAR3R030J	OAR3R030J	0.030	3W @ 85°C	.68	.64	.60	.55	
66-OAR3R040J	OAR3R040J	0.040	3W @ 85°C	.68	.64	.60	.55	
66-OAR3R050J	OAR3R050J	0.050	3W @ 85°C	.68	.64	.60	.55	
66-OAR3R070J	OAR3R070J	0.070	3W @ 85°C	.68	.64	.60	.55	
66-OAR3R080J	OAR3R080J	0.080	3W @ 85°C	.68	.64	.60	.55	
66-OAR3R100J	OAR3R100J	0.100	3W @ 85°C	.68	.64	.60	.55	
66-OAR5R005J	OAR5R005J	0.005	5W @ 85°C	.95	.89	.83	.77	
66-OAR5R010J	OAR5R010J	0.010	5W @ 85°C	1.20	1.13	1.05	.98	
66-OAR5R015J	OAR5R015J	0.015	5W @ 85°C	.95	.89	.83	.77	
66-OAR5R020J	OAR5R020J	0.020	5W @ 85°C	.95	.89	.83	.77	
66-OAR5R030J	OAR5R030J	0.030	5W @ 85°C	.95	.89	.83	.77	
66-OAR5R040J	OAR5R040J	0.040	5W @ 85°C	.95	.89	.83	.77	
66-OAR5R050J	OAR5R050J	0.050	5W @ 85°C	.95	.89	.83	.77	

CSL SERIES - FOUR TERMINAL OPEN AIR SENSE RESISTOR

Specifications:
- 4- Terminal Kelvin connections
- 5 Watt Max power
- 55 Amp Max current
- Tolerance: 1%
- <55ppm/°C TCR

Features:
- Inductance less than 10 nanohenries
- Flameproof
- Solderable Leads (60/40 plate)
- 55 Amp Continuous Operating Current
- Inline construction
- Economical board space design
- Welded construction

Applications:
- Current Sensing
- Feed Back
- Motor Control
- Surge / Pulse Applications



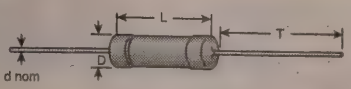
For quantities of 200 and up, call for

MOUSER STOCK NO.	IRC Part No.	Value (Ω)	PriceEach 1	5	10	25	50
66-CSL-5R00025F	CSL-5R00025F0002	0.00025	7.50	6.75	6.00	5.25	4.50
66-CSL-5R0005F	CSL-5R0005F0002	0.0005	7.50	6.75	6.00	5.25	4.50
66-CSL-5R001F	CSL-5R001F0002	0.001	7.50	6.75	6.00	5.25	4.50
66-CSL-5R0025F	CSL-5R0025F0002	0.0025	7.50	6.75	6.00	5.25	4.50

RC 0.1% Metal Film Resistors - 1/4 Watt

55 SERIES - THICK FILM

ures:
rance = 0.1%
mperature Coefficient = 25ppm
ver Rating = 70° C, 1/4 watt



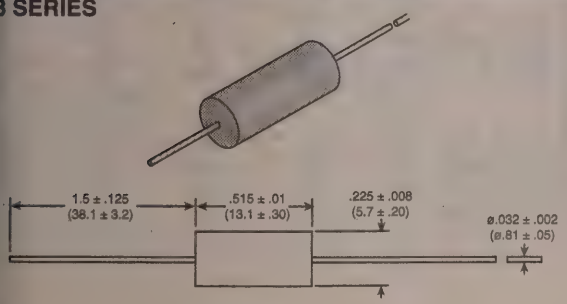
MOUSER STOCK NO.	Range of Values in (Ω) See Table	Price Each 1	50	100	500	DIMENSIONS (mm) L max	D max	T min	d nom
66-RC55-D-Value	10(Ω) - 249K	.96	.78	.64	.47	7.2	2.5	30	0.6
66-RC55-D-Value	255K -1M	1.08	.90	.72	.54	7.2	2.5	30	0.6

TABLE OF STOCKED VALUES

	21.5	40.2	75	130	232	422	715	1.21K	2.05K	3.57K	6.04K	10K	16.5K	27.4K	45.3K	76.8K	127K	232K	402K	806K
.2	22.1	42.2	80.6	133	237	432	732	1.24K	2.1K	3.65K	6.19K	10.2K	16.9K	28K	46.4K	78.7K	130K	243K	422K	825K
.5	23.7	43.2	82.5	140	243	442	750	1.27K	2.21K	3.74K	6.34K	10.5K	17.4K	28.7K	47.5K	80.6K	133K	249K	442K	845K
.7	24.3	44.2	84.5	143	249	464	787	1.3K	2.26K	3.83K	6.49K	10.7K	17.8K	29.4K	48.7K	82.5K	137K	255K	453K	866K
	24.9	46.4	86.6	147	255	475	806	1.33K	2.32K	3.92K	6.65K	11K	18.2K	30.1K	49.9K	84.5K	140K	261K	464K	887K
.8	25.5	47.5	88.7	150	261	487	825	1.37K	2.37K	4.02K	6.81K	11.3K	18.7K	30.9K	51.1K	86.6K	147K	267K	475K	909K
.7	26.1	49.9	90.9	154	267	499	845	1.4K	2.43K	4.12K	6.98K	11.5K	19.1K	31.6K	52.3K	88.7K	150K	274K	487K	931K
	26.7	51.1	93.1	158	274	511	866	1.47K	2.49K	4.2K	7.15K	11.8K	19.6K	32.4K	53.6K	90.9K	154K	280K	499K	953K
	27.4	52.3	95.3	162	301	523	887	1.5K	2.55K	4.32K	7.32K	12.1K	20K	33.2K	54.9K	93.1K	165K	287K	511K	1.0M
.3	28	54.9	97.6	165	309	536	909	1.54K	2.61K	4.42K	7.5K	12.4K	20.5K	34K	56.2K	95.3K	169K	294K	536K	
	28.7	56.2	100	169	316	549	931	1.58K	2.67K	4.53K	7.68K	12.7K	21K	34.8K	57.6K	97.6K	174K	301K	549K	
.4	29.4	59	102	178	324	562	953	1.62K	2.8K	4.64K	7.87K	13K	21.5K	35.7K	59K	100K	178K	309K	576K	
.8	30.1	60.4	105	182	332	576	976	1.65K	2.87K	4.75K	8.06K	13.3K	22.1K	36.5K	60.4K	102K	182K	316K	604K	
.2	30.9	61.9	107	187	340	590	1.0K	1.69K	2.94K	4.87K	8.25K	13.7K	22.6K	37.4K	61.9K	105K	187K	324K	649K	
.9	32.4	63.4	110	196	348	604	1.02K	1.74K	3.01K	4.99K	8.45K	14K	23.2K	38.3K	63.4K	107K	191K	332K	665K	
.4	33.2	64.9	113	200	357	619	1.05K	1.78K	3.09K	5.11K	8.66K	14.3K	23.7K	39.2K	64.9K	110K	200K	340K	681K	
.2	34	66.5	115	205	365	634	1.07K	1.82K	3.16K	5.23K	8.87K	14.7K	24.3K	40.2K	66.5K	113K	205K	348K	715K	
.8	34.8	68.1	118	210	383	649	1.1K	1.87K	3.24K	5.36K	9.09K	15K	24.9K	41.2K	68.1K	115K	210K	357K	732K	
	37.4	69.8	121	215	392	665	1.13K	1.91K	3.32K	5.49K	9.31K	15.4K	25.5K	42.2K	69.8K	118K	215K	365K	750K	
.5	38.3	71.5	124	221	402	681	1.15K	1.96K	3.4K	5.62K	9.53K	15.8K	26.1K	43.2K	71.5K	121K	221K	374K	768K	
	39.2	73.2	127	226	412	698	1.18K	2.0K	3.48K	5.9K	9.76K	16.2K	26.7K	44.2K	75K	124K	226K	392K	787K	

RC 5% Thick Film Metal Glaze Resistors - 3 Watt

-3 SERIES



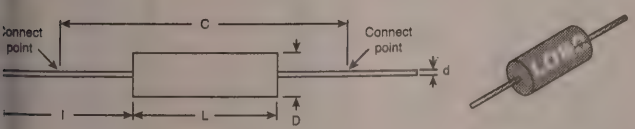
ures:
Surge Strength
ctive as carbon
position Replacement

Specifications:
- Power Rating: 3W @ 25°C
- Tolerance: 5%
- Leads: Tin-lead electroplated copper
- TCR: ±100(T0) ppm/°C
- Voltage Rating: 1000V Max.

MOUSER STOCK NO.	IRC Part No.	Value (Ω)	PriceEach 1	10	100	250	500	Reel 1000
66-GS310010R0J	GS3-100-10R0-J	10	.45	.41	.38	.34	.30	.26
66-GS310022R0J	GS3-100-22R0-J	22	.45	.41	.38	.34	.30	.26
66-GS310047R0J	GS3-100-47R0-J	47	.45	.41	.38	.34	.30	.26
66-GS31001000J	GS3-100-1000-J	100	.45	.41	.38	.34	.30	.26
66-GS31001500J	GS3-100-1500-J	150	.45	.41	.38	.34	.30	.26
66-GS31002700J	GS3-100-2700-J	270	.45	.41	.38	.34	.30	.26
66-GS31004700J	GS3-100-4700-J	470	.45	.41	.38	.34	.30	.26
66-GS31005600J	GS3-100-5600-J	560	.45	.41	.38	.34	.30	.26
66-GS31006800J	GS3-100-6800-J	680	.45	.41	.38	.34	.30	.26
66-GS31001001J	GS3-100-1001-J	1K	.45	.41	.38	.34	.30	.26
66-GS31002701J	GS3-100-2701-J	2.7K	.45	.41	.38	.34	.30	.26
66-GS31003301J	GS3-100-3301-J	3.3K	.45	.41	.38	.34	.30	.26
66-GS31004701J	GS3-100-4701-J	4.7K	.45	.41	.38	.34	.30	.26
66-GS31007501J	GS3-100-7501-J	7.5K	.45	.41	.38	.34	.30	.26
66-GS31008201J	GS3-100-8201-J	8.2K	.45	.41	.38	.34	.30	.26
66-GS31001002J	GS3-100-1002-J	10K	.45	.41	.38	.34	.30	.26
66-GS31002402J	GS3-100-2402-J	24K	.45	.41	.38	.34	.30	.26
66-GS31001003J	GS3-100-1003-J	100K	.45	.41	.38	.34	.30	.26
66-GS31003303J	GS3-100-3303-J	330K	.45	.41	.38	.34	.30	.26
66-GS31001004J	GS3-100-1004-J	1M	.45	.41	.38	.34	.30	.26

RC 5% Metal Element Current Sensing Resistors

3 SERIES



Type	Dimensions IN (mm) L	D	C	l	d
LOB-1	.39 ± .01 (9.9 ± .30)	.14 ± .008 (3.6± .20)	1.31 (33.274)	1.5 ± .125 (38.1 ± 3.2)	.0305 ± .002 (.813 ± .051)
LOB-3	.56 ± .01 (14.224 ± .254)	.21 ± .01 (5.334 ± .254)	1.31 (33.274)	1.375 ± .125 (34.925±3.175)	.0305 ± .002 (.813 ± .051)
LOB-5	.92 ± .01 (23.368 ± .254)	.33 ± .01 (8.382 ± .254)	1.67 (42.418)	1.25 ± .125 (31.75 ± 3.175)	.04 ± .002 (1.016 ± .051)

Series power precision metal element
s feature resistance values down to 0.005Ω
tually no inductance. These resistors are
ible with automatic insertion equipment.

rse:
Stability Over Life
Temperature Coefficient of Resistance
ently Non-Inductive (≤.02uH @ 0.5MHz)
Low Resistance Values (0.005Ω to 0.1Ω)

fications:
ance: ±5%
Storage Temperature: 175°C
ent Rating: Range Dependent
Power Dissipation @ 25°C In Free Air

:ations:
hmode and Linear Power Supplies
notive Current-Sensing Circuits
mentation
lators

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	IRC Part No.	Resist. (Ω)	Price Each 1	10	100	250	500	Reel 1000
66-LOB1R005J	LOB1R005J	0.005	.84	.78	.73	.70	.63	.56
66-LOB1R010J	LOB1R010J	0.010	.69	.64	.60	.58	.52	.46
66-LOB1R020J	LOB1R020J	0.020	.69	.64	.60	.58	.52	.46
66-LOB1R025J	LOB1R025J	0.025	.69	.64	.60	.58	.52	.46
66-LOB1R030J	LOB1R030J	0.030	.69	.64	.60	.58	.52	.46
66-LOB1R040J	LOB1R040J	0.040	.69	.64	.60	.58	.52	.46
66-LOB1R050J	LOB1R050J	0.050	.69	.64	.60	.58	.52	.46
66-LOB1R070J	LOB1R070J	0.070	.69	.64	.60	.58	.52	.46
66-LOB1R080J	LOB1R080J	0.080	.69	.64	.60	.58	.52	.46
66-LOB3R005J	LOB3R005J	0.005	.84	.78	.73	.70	.63	.56
66-LOB3R010J	LOB3R010J	0.010	.69	.64	.60	.58	.52	.46
66-LOB3R015J	LOB3R015J	0.015	.69	.64	.60	.58	.52	.46
66-LOB3R020J	LOB3R020J	0.020	.69	.64	.60	.58	.52	.46
66-LOB3R025J	LOB3R025J	0.025	.69	.64	.60	.58	.52	.46
66-LOB3R030J	LOB3R030J	0.030	.69	.64	.60	.58	.52	.46
66-LOB3R040J	LOB3R040J	0.040	.69	.64	.60	.58	.52	.46

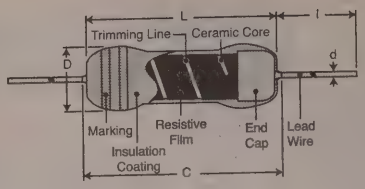
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	IRC Part No.	Resist. (Ω)	Price Each 1	10	100	250	500	Reel 1000
66-LOB3R050J	LOB3R050J	0.050	.69	.64	.60	.58	.52	.46
66-LOB3R070J	LOB3R070J	0.070	.69	.64	.60	.58	.52	.46
66-LOB3R080J	LOB3R080J	0.080	.69	.64	.60	.58	.52	.46
66-LOB3R100J	LOB3R100J	0.100	.69	.64	.60	.58	.52	.46
66-LOB5R005J	LOB5R005J	0.005	1.44	1.34	1.25	1.20	1.08	.96
66-LOB5R010J	LOB5R010J	0.010	1.38	1.29	1.20	1.15	1.04	.92
66-LOB5R015J	LOB5R015J	0.015	1.38	1.29	1.20	1.15	1.04	.92
66-LOB5R020J	LOB5R020J	0.020	1.38	1.29	1.20	1.15	1.04	.92
66-LOB5R025J	LOB5R025J	0.025	1.38	1.29	1.20	1.15	1.04	.92
66-LOB5R030J	LOB5R030J	0.030	1.38	1.29	1.20	1.15	1.04	.92
66-LOB5R040J	LOB5R040J	0.040	1.38	1.29	1.20	1.15	1.04	.92
66-LOB5R050J	LOB5R050J	0.050	1.38	1.29	1.20	1.15	1.04	.92
66-LOB5R070J	LOB5R070J	0.070	1.38	1.29	1.20	1.15	1.04	.92
66-LOB5R080J	LOB5R080J	0.080	1.38	1.29	1.20	1.15	1.04	.92
66-LOB5R100J	LOB5R100J	0.100	1.38	1.29	1.20	1.15	1.04	.92

KOA SPEER 5% Carbon Film Resistors - 1/4W, 1/2W

KOA SPEER ELECTRONICS

Features:
- Suitable for automatic machine insertion
- Marking: Venetian red body color with color-coded bands on CF.



ORDERING INFORMATION

In a continual effort to support their customer base on a global environment, KOA Corporation is adopting a new global part numbering system.

ORDERING INFORMATION

Type	Dimensions IN and (mm)				
	L	C (max.)	D	d (nom.)	l
CF1/4	.240±.02 (6.1±0.5)	.280 (7.1)	.091±.012 (2.3±0.3)	.024 (0.6)	.787 mi (20.0 mi
CF1/2	.354±.039 (9.0±1.0)	.433 (11.0)	.138±0.2 (3.5±0.5)	.028 (0.7)	

CF	1/4	L	T52	R	103	J
Type	Power Rating	Termination Material	Taping and Forming	Packaging	Nominal Resistance	Toleranc
CF	1/4: 0.25W 1/2: 0.5W	L: Sn Pb	Axial: T52	R: Reel	2 significant figures + 1 multiplier "R" indicates decimal on value <10Ω	J: ±5%

Leaded Resistors

KOA Speer

For quantities greater than listed, call for q

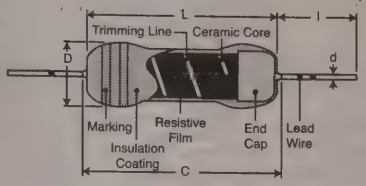
KOA Series	Value Range	Watts	BULK PACKAGING					TAPE AND REEL				
			MOUSER STOCK NO.	Price Each				MOUSER STOCK NO.	Reel Quantity	Price Each		
			Value	1	100	500	1,000	Value		5,000	10,000	25,000
CF1/4L	0.47-0.68	1/4	660-CF1/4L code	.15	.08	.05	.03	660-CF1/4LT52R code	5000	.021	.019	.016
CF1/4L	1.0-5.1M	1/4	660-CF1/4L code	.05	.03	.02	.01	660-CF1/4LT52R code	5000	.007	.006	.005
CF1/4L	5.6M-10M	1/4	660-CF1/4L code	.08	.04	.03	.02	660-CF1/4LT52R code	5000	.011	.01	.009
CF1/4L	11M-22M	1/4	660-CF1/4L code	.19	.10	.06	.04	660-CF1/4LT52R code	5000	.025	.022	.02
				Price Each						Price Each		
				1	100	500	1,000			4,000	8,000	16,000
CF1/2L	0.5-0.68	1/2	660-CF1/2L code	.16	.09	.06	.04	660-CF1/2LT52R code	4000	.022	.02	.018
CF1/2L	1.0-5.1M	1/2	660-CF1/2L code	.05	.03	.02	.015	660-CF1/2LT52R code	4000	.013	.012	.011
CF1/2L	5.6M-10M	1/2	660-CF1/2L code	.08	.04	.03	.02	668-CF1/2LT52R code	4000	.015	.014	.013
CF1/2L	11M-22M	1/2	660-CF1/2L code	.19	.10	.06	.04	660-CF1/2LT52R code	4000	.025	.02	.014

Table of Stocked Values

Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Co
0.5	R50J	27	270J	820	821J	27K	273J	820K	824J
0.68	R68J	30	300J	910	911J	30K	303J	910K	914J
1	1R0J	33	330J	1K	102J	33K	333J	1M	105J
1.1	1R1J	36	360J	1.1K	112J	36K	363J	1.1M	115J
1.2	1R2J	39	390J	1.2K	122J	39K	393J	1.2M	125J
1.3	1R3J	43	430J	1.3K	132J	43K	433J	1.3M	135J
1.5	1R5J	47	470J	1.5K	152J	47K	473J	1.5M	155J
1.6	1R6J	51	510J	1.6K	162J	51K	513J	1.6M	165J
1.8	1R8J	56	560J	1.8K	182J	56K	563J	2M	205J
2	2R0J	62	620J	2K	202J	62K	623J	2.2M	225J
2.2	2R2J	68	680J	2.2K	222J	68K	683J	2.4M	245J
2.4	2R4J	75	750J	2.4K	242J	75K	753J	2.7M	275J
2.7	2R7J	82	820J	2.7K	272J	82K	823J	3M	305J
3	3R0J	91	910J	3K	302J	91K	913J	3.3M	335J
3.3	3R3J	100	101J	3.3K	332J	100K	104J	3.6M	365J
3.6	3R6J	110	111J	3.6K	362J	110K	114J	3.9M	395J
3.9	3R9J	120	121J	3.9K	392J	120K	124J	4.3M	435J
4.3	4R3J	130	131J	4.3K	432J	130K	134J	4.7M	475J
4.7	4R7J	150	151J	4.7K	472J	150K	154J	5.1M	515J
5.1	5R1J	160	161J	5.1K	512J	160K	164J	5.6M	565J
5.6	5R6J	180	181J	5.6K	562J	180K	184J	6.2M	625J
6.2	6R2J	200	201J	6.2K	622J	200K	204J	6.8M	685J
6.8	6R8J	220	221J	6.8K	682J	220K	224J	7.5M	755J
7.5	7R5J	240	241J	7.5K	752J	240K	244J	8.2M	825J
8.2	8R2J	270	271J	8.2K	822J	270K	274J	9.1M	915J
9.1	9R1J	300	301J	9.1K	912J	300K	304J	10M	106J
10	100J	330	331J	10K	103J	330K	334J	11M	116J
11	110J	360	361J	11K	113J	360K	364J	15M	156J
12	120J	390	391J	12K	123J	390K	394J	18M	186J
13	130J	430	431J	13K	133J	430K	434J	20M	206J
15	150J	470	471J	15K	153J	470K	474J	22M	226J
16	160J	510	511J	16K	163J	510K	514J		
18	180J	560	561J	18K	183J	560K	564J		
20	200J	620	621J	20K	203J	620K	624J		
22	220J	680	681J	22K	223J	680K	684J		
24	240J	750	751J	24K	243J	750K	754J		

KOA SPEER 1% Metal Film Resistors - 1/4, 1/2 Watt

TES:
- meet or exceed the requirements of MIL-R-10509
- ble for automatic machine insertion
- ing: Blue-gray body color with color-coded bands



ORDERING INFORMATION

Type	Dimensions IN and (mm)				
	L	C (max.)	D	d (nom.)	l
MF1/4	.248 (6.3)	.280 (7.1)	.091±.012 (2.3±0.3)	.024±.002 (0.6±0.05)	1.18±.118 (30.0±3.0)
MF1/2	.374 (9.5)	.437 (11.1)	.138±.016 3.5±0.4)		

ERING INFORMATION

ntinual effort to support their customer base on a global environment, KOA Corporation is adopting a new global part numbering system.

MF	1/4	D	L	T52	R	1002	F
Type	Power Rating	T.C.R.	Termination Material	Taping and Forming	Packaging	Nominal Resistance	Tolerance
MF	1/4: 0.25W 1/2: 0.5W	C±50 D:±100	L: SnPb	T52	R: Reel	3 significant figures + 1 multiplier "R" indicates decimal on value<10Ω.	F:±1.0%

For quantities greater than listed, call for quote.

A es	Watt	Toler.	TCR	Value Range	BULK PACKAGING						TAPE AND REEL					
					MOUSER STOCK NO.		Price Each				MOUSER STOCK NO.		Reel Quantity	Price Each	Price Each		
						Value	1	100	500	1000		Value			10,000	25,000	50,000
4CL	1/4	1%	50	1-49.9	660-MF1/4CL	code	.17	.15	.12	.09	660-MF1/4CLT52R	code	5000	.08	.076	.067	.063
4CL	1/4	1%	50	51.1-2.21M	660-MF1/4CL	code	.12	.10	.08	.07	660-MF1/4CLT52R	code	5000	.051	.05	.046	.044
4DL	1/4	1%	100	10-2.21M	660-MF1/4DL	code	.03	.02	.019	.015	660-MF1/4DLT52R	code	5000	.014	.012	.011	.01
							Price Each								Price Each		
							1	100	500	1000					8,000	20,000	40,000
2CL	1/2	1%	50	1-49.9	660-MF1/2CL	code	.17	.15	.12	.09	660-MF1/2CLT52R	code	4000	.08	.071	.067	.063
2CL	1/2	1%	50	51.1-2.21M	660-MF1/2CL	code	.14	.12	.10	.08	660-MF1/2CLT52R	code	4000	.06	.058	.056	.053
2DL	1/2	1%	100	10-2.21M	660-MF1/2DL	code	.14	.12	.10	.08	660-MF1/2DLT52R	code	4000	.06	.058	.056	.053

Table of Stocked Values

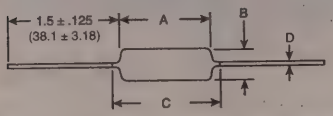
alue	Value Code	Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code
1	1R00F	475	4750F	2.21K	2211F	6.19K	6191F	16.9K	1692F	45.3K	4532F	150K	1503F
2	2R00F	499	4990F	2.32K	2321F	6.49K	6491F	17.4K	1742F	46.4K	4642F	158K	1583F
10	10R0F	511	5110F	2.37K	2371F	6.65K	6651F	17.8K	1782F	47K	4702F	162K	1623F
20	20R0F	562	5620F	2.43K	2431F	6.81K	6811F	18K	1802F	47.5K	4752F	169K	1693F
2.1	22R1F	604	6040F	2.49K	2491F	6.98K	6981F	18.2K	1822F	49.9K	4992F	178K	1783F
4.3	24R3F	619	6190F	2.67K	2671F	7.15K	7151F	18.7K	1872F	51.1K	5112F	182K	1823F
0.1	30R1F	665	6650F	2.74K	2741F	7.32K	7321F	19.1K	1912F	52.3K	5232F	200K	2003F
3.2	33R2F	680	6800F	2.8K	2801F	7.5K	7501F	19.6K	1962F	56.2K	5622F	205K	2053F
9.2	39R2F	681	6810F	2.87K	2871F	7.68K	7681F	20K	2002F	59K	5902F	210K	2103F
47	47R0F	698	6980F	2.94K	2941F	7.87K	7871F	20.5K	2052F	60.4K	6042F	221K	2213F
7.5	47R5F	732	7320F	3.01K	3011F	8.06K	8061F	21.5K	2152F	61.9K	6192F	226K	2263F
9.9	49R9F	750	7500F	3.24K	3241F	8.25K	8251F	22.1K	2212F	63.4K	6342F	249K	2493F
1.1	51R1F	768	7680F	3.32K	3321F	8.45K	8451F	22.6K	2262F	66.5K	6652F	261K	2613F
1.9	61R9F	806	8060F	3.4K	3401F	8.66K	8661F	23.7K	2372F	68.1K	6812F	267K	2673F
3.1	68R1F	825	8250F	3.48K	3481F	9.09K	9091F	24.3K	2432F	69.8K	6982F	274K	2743F
75	75R0F	887	8870F	3.57K	3851F	9.31K	9311F	24.9K	2492F	71.5K	7152F	280K	2803F
2.5	82R5F	909	9090F	3.65K	3651F	9.53K	9531F	25.5K	2552F	75K	7502F	294K	2943F
00	1000F	953	9530F	3.74K	3741F	10K	1002F	26.1K	2612F	76.8K	7682F	301K	3013F
21	1210F	976	9760F	3.83K	3831F	10.2K	1022F	26.7K	2672F	80.6K	8062F	332K	3323F
30	1300F	1K	1001F	3.92K	3921F	10.5K	1052F	27.4K	2742F	82.5K	8252F	392K	3923F
50	1500F	1.1K	1101F	4.02K	4021F	10.7K	1072F	28K	2802F	84.5K	8452F	464K	4643F
82	1820F	1.21K	1211F	4.22K	4221F	11K	1102F	28.7K	2872F	86.6K	8662F	470K	4703F
00	2000F	1.3K	1301F	4.42K	4421F	11.3K	1132F	30.1K	3012F	88.7K	8872F	475K	4753F
21	2210F	1.33K	1331F	4.53K	4531F	11.5K	1152F	30.9K	3092F	90.9K	9092F	499K	4993F
37	2370F	1.47K	1471F	4.64K	4641F	12K	1202F	31.6K	3162F	93.1K	9312F	511K	5113F
49	2490F	1.5K	1501F	4.7K	4701F	12.1K	1212F	32.4K	3242F	100K	1003F	562K	5623F
61	2610F	1.58K	1581F	4.75K	4751F	12.4K	1242F	33.2K	3322F	102K	1023F	681K	6813F
74	2740F	1.78K	1781F	4.87K	4871F	12.7K	1272F	34K	3402F	110K	1103F	1M	1004F
87	2870F	1.82K	1821F	4.99K	4991F	13K	1302F	35.7K	3572F	115K	1153F	1.5M	1504F
01	3010F	1.87K	1871F	5.1K	5101F	13.3K	1332F	36.5K	3652F	121K	1213F	1.82M	1824F
32	3320F	1.96K	1961F	5.11K	5111F	14K	1402F	37.4K	3742F	124K	1243F	2M	2004F
18	3480F	2K	2001F	5.36K	5361F	14.3K	1432F	38.3K	3832F	127K	1273F	2.21M	2214F
35	3850F	2.05K	2051F	5.49K	5491F	15K	1502F	39.2K	3922F	130K	1303F		
42	3920F	2.1K	2101F	5.62K	5621F	15.4K	1542F	40.2K	4022F	133K	1333F		
64	4640F	2.15K	2151F	5.76K	5761F	15.8K	1582F	42.2K	4222F	143K	1433F		
70	4700F	2.2K	2201F	5.9K	5901F	16.2K	1622F	43.2K	4322F	147K	1473F		

VISHAY / DALE .1% Metal Film Resistors, Precision, Ultra-high Stability

TYPE PTF SERIES

DIMENSIONS: IN (mm)

Features:
- Extremely low temperature coefficient of resistance
- Very low noise and voltage coefficient
- Very good high frequency characteristics
- Can replace wirewound bobbins
- Proprietary epoxy coating provides superior moisture protection



Model	A	B	C	D
PTF56	0.250±0.031 (3.81±0.51)	0.091±0.009 (2.31±0.23)	0.300 (7.62)	0.025 (0.64)
PTF65	0.375±0.062 (9.53±1.57)	0.145±0.016 (3.68±0.41)	0.475 (12.07)	0.025 (0.64)

For quantities of 200 and up, call for quote.

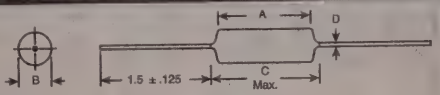
MOUSER STOCK NO.	Vishay Part No.	Value	TCR (ppm/°C)	Tol. ± %	Price Each 1	25	50	100
PTF56, 1/8 Watt @ 85°C - Limiting Element Voltage Max. 300								
71-PTF5621R000BYBF	PTF5621R000BYBF	21	10	0.10	1.50	1.16	1.05	.95
71-PTF5649R900BYBF	PTF5649R900BYBF	49.9	10	0.10	1.50	1.16	1.05	.95
71-PTF5650R000BYBF	PTF5650R000BYBF	50	10	0.10	1.50	1.16	1.05	.95
71-PTF56100R00BYBF	PTF56100R00BYBF	100	10	0.10	1.50	1.16	1.05	.95
71-PTF56100R00BXBF	PTF56100R00BXBF	100	15	0.10	.81	.63	.57	.52
71-PTF56125R00BYBF	PTF56125R00BYBF	125	10	0.10	1.50	1.16	1.05	.95
71-PTF56125R00BYBF	PTF56125R00BYBF	125	10	0.10	1.50	1.16	1.05	.95
71-PTF56145R00BZBF	PTF56145R00BZBF	145	5	0.10	1.89	1.46	1.33	1.20
71-PTF56200R00BYBF	PTF56200R00BYBF	200	10	0.10	1.50	1.16	1.05	.95
71-PTF56200R00BYBF	PTF56200R00BYBF	200	10	0.10	1.50	1.16	1.05	.95
71-PTF56250R00BYBF	PTF56250R00BYBF	250	10	0.10	1.50	1.16	1.05	.95
71-PTF56500R00BYBF	PTF56500R00BYBF	500	10	0.10	1.50	1.16	1.05	.95
71-PTF561K0000BYBF	PTF561K0000BYBF	1K	10	0.10	.81	.63	.57	.52
71-PTF561K5000BZBF	PTF561K5000BZBF	1.5K	5	0.10	1.89	1.46	1.33	1.20
71-PTF562K0000BYBF	PTF562K0000BYBF	2K	10	0.10	.81	.63	.57	.52
71-PTF562K2600BZBF	PTF562K2600BZBF	2.26K	5	0.10	1.30	.99	.91	.83
71-PTF563K0000BYBF	PTF563K0000BYBF	3K	10	0.10	.81	.63	.57	.52
71-PTF564K5000BZBF	PTF564K5000BZBF	4.5K	5	0.10	1.30	.99	.91	.83
71-PTF564K9900BYBF	PTF564K9900BYBF	4.99K	10	0.10	.81	.63	.57	.52
71-PTF565K0000BZBF	PTF565K0000BZBF	5K	5	0.10	1.30	.99	.91	.83
71-PTF565K0000BYBF	PTF565K0000BYBF	5K	10	0.10	.81	.63	.57	.52

For quantities of 200 and up, call for q

MOUSER STOCK NO.	Vishay Part No.	Value	TCR (ppm/°C)	Tol. ± %	Price Each 1	25	50
PTF56, 1/8 Watt @ 85°C - Limiting Element Voltage Max. 300 (Cont.)							
71-PTF567K5000BYBF	PTF567K5000BYBF	7.5K	10	0.10	.81	.63	.57
71-PTF5610K000BZBF	PTF5610K000BZBF	10K	5	0.10	1.30	.99	.91
71-PTF561K5000BZBF	PTF561K5000BZBF	1.5K	5	0.10	1.89	1.46	1.33
71-PTF562K0000BYBF	PTF562K0000BYBF	2K	10	0.10	.81	.63	.57
71-PTF562K2600BZBF	PTF562K2600BZBF	2.26K	5	0.10	1.30	.99	.91
71-PTF563K0000BYBF	PTF563K0000BYBF	3K	10	0.10	.81	.63	.57
71-PTF564K5000BZBF	PTF564K5000BZBF	4.5K	5	0.10	1.30	.99	.91
71-PTF564K9900BYBF	PTF564K9900BYBF	4.99K	10	0.10	.81	.63	.57
71-PTF565K0000BZBF	PTF565K0000BZBF	5K	5	0.10	1.30	.99	.91
71-PTF565K0000BYBF	PTF565K0000BYBF	5K	10	0.10	.81	.63	.57
71-PTF567K5000BYBF	PTF567K5000BYBF	7.5K	10	0.10	.81	.63	.57
71-PTF5610K000BZBF	PTF5610K000BZBF	10K	5	0.10	1.30	.99	.91
71-PTF5610K000BYBF	PTF5610K000BYBF	10K	10	0.10	.81	.63	.57
71-PTF5610K000BXBF	PTF5610K000BXBF	10K	15	0.10	.81	.63	.57
71-PTF5611K000BYBF	PTF5611K000BYBF	11K	10	0.10	.81	.63	.57
71-PTF5615K000BYBF	PTF5615K000BYBF	15K	10	0.10	.81	.63	.57
71-PTF5620K000BZBF	PTF5620K000BZBF	20K	5	0.10	1.30	.99	.91
71-PTF5620K000BYBF	PTF5620K000BYBF	20K	10	0.10	.81	.63	.57
71-PTF5624K000BYBF	PTF5624K000BYBF	24K	10	0.10	.81	.63	.57
71-PTF5624K900BYBF	PTF5624K900BYBF	24.9K	10	0.10	.81	.63	.57
71-PTF5650K000BZBF	PTF5650K000BZBF	50K	5	0.10	1.30	.99	.91
71-PTF56100K00BZBF	PTF56100K00BZBF	100K	5	0.10	1.30	.99	.91
71-PTF56100K00BYBF	PTF56100K00BYBF	100K	10	0.10	.81	.63	.57
71-PTF56200K00BZBF	PTF56200K00BZBF	200K	5	0.10	2.35	1.82	1.66
71-PTF56200K00BYBF	PTF56200K00BYBF	200K	10	0.10	1.85	1.43	1.30
71-PTF56249K00BZBF	PTF56249K00BZBF	249K	5	0.10	2.35	1.82	1.66
71-PTF56249K00BYBF	PTF56249K00BYBF	249K	10	0.10	1.85	1.43	1.30
71-PTF56300K00BZBF	PTF56300K00BZBF	300K	5	0.10	2.35	1.82	1.66
71-PTF56499K00BZBF	PTF56499K00BZBF	499K	5	0.10	2.35	1.82	1.66
PTF65, 1/4 Watt @ 85°C - Limiting Element Voltage Max. 500							
71-PTF651K0000BYBF	PTF651K0000BYBF	1K	10	0.10	1.56	1.46	1.30
71-PTF65100K00BYBF	PTF65100K00BYBF	100K	10	0.10	1.56	1.46	1.30
71-PTF651M0000BZBF	PTF651M0000BZBF	1M	5	0.10	2.40	2.25	1.99
71-PTF651M0000BYBF	PTF651M0000BYBF	1M	10	0.10	1.75	1.64	1.46

VISHAY / DALE 1% Metal Film Resistors - 1/8, 1/4 and 1/2 Watt

TYPE RN SERIES



Features:
- Very low noise
- Very low voltage coefficient
- Excellent high frequency characteristics
- Meets MIL-R-10509
- Flame retardant epoxy coating

DIMENSIONS: (IN)

Series	A	B	C	D
RN55D	.240±.020	.090±.008	.278	.025±.002
RN60D	.344±.031	.145±.015	.425	.025±.002
RN65D	.562±.031	.180±.015	.687	.025±.002

RN55D, 1/8W

MOUSER STOCK NO.	Range of Values (Ω)	Price Each 1	50	100	500	1000	2000	5000+
71-RN55D-F-Value	4.99-499K	.16	.11	.09	.075	.063	.054	Call
71-RN55D-F-Value	511K-1M	.18	.12	.10	.083	.072	.061	

RN60D, 1/4W

71-RN60D-F-Value	10-1M	.21	.18	.16	.09	.077	.065	Call

RN65D, 1/2W

71-RN65D-F-Value	10-1M	.32	.28	.24	.22	.189	.16	Call

TABLE OF STOCKED VALUES

4.99	49.9	249	806	2.49K	5.23K	10.7K	30.1K	64.9K
10	51.1	261	825	2.61K	5.36K	11.3K	30.9K	66.5K
12.1	56.2	274	909	2.74K	5.49K	12.1K	32.4K	68.1K
15	61.9	301	1.0K	2.87K	5.62K	13K	33.2K	69.8K
18.2	75	316	1.05K	2.94K	6.04K	13.3K	34.8K	71.5K
20	80.6	332	1.1K	3.01K	6.19K	15K	38.3K	75K
22.1	82.5	348	1.21K	3.09K	6.34K	17.4K	39.2K	78.7K
24.9	90.9	392	1.24K	3.16K	6.81K	17.8K	41.2K	80.6K
27.4	100	402	1.27K	3.24K	6.98K	18.2K	42.2K	82.5K
30.1	121	422	1.4K	3.32K	7.5K	19.6K	43.2K	84.5K
33.2	133	432	1.5K	3.48K	7.68K	20K	46.4K	90.9K
34.8	150	475	1.54K	3.65K	7.87K	22.1K	47.5K	97.6K
37.4	162	499	1.69K	3.92K	8.06K	22.6K	49.9K	100K
39.2	182	511	1.82K	4.02K	8.25K	23.2K	51.1K	105K
40.2	200	523	2.0K	4.32K	8.87K	24.9K	52.3K	110K
43.2	215	562	2.15K	4.64K	9.09K	25.5K	54.9K	121K
45.3	221	681	2.21K	4.75K	9.31K	26.7K	56.2K	124K
46.4	232	732	2.32K	4.99K	10K	27.4K	57.6K	150K
47.5	243	750	2.37K	5.11K	10.5K	28.7K	61.9K	158K

VISHAY / DALE Metal Film Resistors - 1/4, 1/2, 3/4, and 1 Watt ±1% Tolerance

TYPE CCF55, CCF60 SERIES

DIMENSIONS: IN

Model	A	B	C	D	E
CCF-55	.240±.020	.090±.008	.265	.025±.002	1.100±.040
CCF-60	.344±.031	.139±.009	.400	.025±.002	1.000±.040

For quantities of 10000 and up, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Price Each 1	500	1000	2500	5000
71-CCF55-Value	10-1M	.06	.039	.025	.019	.011
71-CCF60-Value	10-1M	.14	.08	.062	.039	.034

Features:
- ±100PPM/°C temperature coefficient
- Superior electrical performance
- Flame retardant epoxy conformal coating
- Standard 5 band color code marking for ease of identification after mounting
- Tape and reel packaging

Specifications:
- Power Rating: CCF55=1/4 & 1/2 watt CCF60=1/2, 3/4, & 1 watt
- Insulation Resistance: 10,000 MΩ
- Operating Temperature: -65° to +165°C

TABLE OF STOCKED VALUES

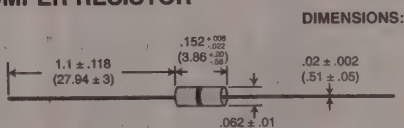
1.21	82.5	422	1.3K	4.75K	12.1K	56.2K
10	100	432	1.33K	4.99K	13K	68.1K
15	105	475	1.5K	5.11K	14K	68.1K
16.2	120	499	1.62K	5.62K	15K	71.5K
20	121	510	1.82K	6.04K	16.2K	75K
22.1	150	562	2K	6.19K	18.2K	82.5K
24.9	200	604	2.15K	6.81K	20K	90.9K
27.4	220	619	2.21K	7.15K	22.1K	100K
30.1	221	681	2.43K	7.5K	27.4K	110K
39.2	243	750	2.49K	7.68K	30.1K	121K
47.5	249	825	2.74K	8.25K	33.2K	133K
49.9	301	866	2.8K	8.45K	39.2K	137K
51.1	332	1K	3.16K	8.87K	40.2K	150K
60.4	340	1.07K	3.32K	10K	47.5K	162K
73.2	392	1.1K	4.32K	10.2K	49.9K	200K
75	402	1.21K	4.53K	11K	51.1K	221K

MODEL FRJ-50 ZERO OHM JUMPER RESISTOR

DIMENSIONS: IN (mm)

Features:
- Provides low resistance circuit interconnections
- Flame retardant coating
- Compatible with automatic insertion equipment

Specifications:
- Resistance: 0.01Ω max.
- Insulation Resistance: Dry 10,000MΩ; Wet 100MΩ
- Lead Material: Tin-plated copper (max. 98% tin)



For quantities of 10000 and up, call f

MOUSER STOCK NO.	Vishay Part No.	Price Each 1	1000	2500
71-FRJ-50-0	FRJ50R36	.06	.028	.02

MOUSER ELECTRONICS a tti company

VISHAY / DALE 1% Wirewound Resistors - 1, 3 and 5 Watt

YPE LVR LOW VALUE

ecifications:
esistance tolerance: ±1%
mperature coefficient: -55°C to +125°C, referenced to +25°C
ort time overload: 5 sec. @ 5 times rated power
eets MIL-R-49465, Type RLV

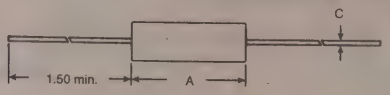
vailable in LVR5 only.

ABLE OF STOCKED VALUES

0.005	0.03	0.1
0.01	0.04	0.15
0.015	0.05	0.2
0.02	0.07	0.25
0.025	0.08	*0.3

DIMENSIONS (IN)

Series	A ±.010	B ±.010	C ±.002
LVR-1	.427	.115	.02
LVR-3	.560	.205	.032
LVR-5	.925	.330	.040



LVR1, 1 Watt - 1% For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Value Range	Price Each 1	10	25	50
71-LVR1-Value	0.01-0.1	1.20	1.12	1.01	.92

LVR3, 3 Watts - 1% For quantities of 100 and up, call for quote.

71-LVR3-Value	0.005	1.37	1.27	1.14	1.05
71-LVR3-Value	0.01 - 0.08	1.20	1.12	1.01	.92
71-LVR3-Value	0.1 - 0.2	.97	.90	.81	.74

LVR5, 5 Watts - 1% For quantities of 100 and up, call for quote.

71-LVR5-Value	0.005	1.68	1.56	1.40	1.29
71-LVR5-Value	0.01 - 0.08	1.34	1.24	1.12	1.03
71-LVR5-Value	0.1 - 0.3	1.19	1.11	1.00	.91

YPE RS SILICONE COATED

tures:
mplete welded construction
gh temperature silicone coating
eets applicable requirements of MIL-R-26

Specifications:
- Resistance tolerance: ±1%
- Dielectric strength: 1000VAC
- Insulation resistance: 1000MΩ

vailable in RS5 only.

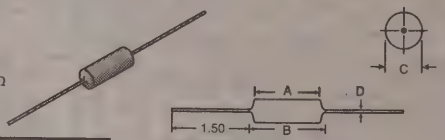


TABLE OF STOCKED VALUES

	1.0	15	50	150	350	700	2.0K	4.5K	8.2K	20K
3	1.2	18	56	180	390	800	2.2K	4.7K	9.0K	22K
5	1.5	20	68	200	400	820	2.5K	5.0K	10K	22.5K
	2.0	22	75	220	450	900	2.7K	5.6K	11K	*25K
5	3.0	25	82	225	470	1.0K	3.0K	6.0K	12K	*40K
	4.0	27	100	250	500	1.2K	3.3K	6.8K	12.5K	*50K
3	5.0	30	110	270	560	1.25K	3.5K	7.0K	15K	*68K
	7.5	33	120	300	600	1.5K	3.9K	7.5K	16K	*75K
5	10	47	125	330	620	1.8K	4.0K	8.0K	18K	

DIMENSIONS (IN)

Series	A	B	C	D
RS1A	.406	.439	.094	.02
RS2B	.560	.622	.187	.032
RS5	.875	1.00	.312	.040

Cross Reference Chart

Dale	Clarostat
RS2B	SC3D
RS5	SC5E

RS1A, 1 Watt - 1% For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Value Range	Price Each 1	10	25	50
71-RS1A-Value	0.1 - 0.99	1.19	1.12	1.04	.97
71-RS1A-Value	1.0 - 1.0K	1.19	1.12	1.04	.97
71-RS1A-Value	1.2K - 2.74K	1.25	1.18	1.10	1.03

RS2B, 3 Watts - 1% For quantities of 100 and up, call for quote.

71-RS2B-Value	0.1 - 0.75	1.45	1.36	1.28	1.19
71-RS2B-Value	1.0 - 1.0K	.83	.78	.73	.68
71-RS2B-Value	1.2K - 10K	.99	.93	.87	.81
71-RS2B-Value	11K - 22.5K	2.34	2.20	2.06	1.92

RS5, 5 Watts - 1% For quantities of 100 and up, call for quote.

71-RS5-Value	0.1 - 0.75	1.72	1.61	1.51	1.40
71-RS5-Value	1.0 - 1.0K	1.49	1.40	1.31	1.22
71-RS5-Value	1.2K - 10K	1.16	1.09	1.02	.95
71-RS5-Value	11K - 25K	1.72	1.61	1.51	1.40
71-RS5-Value	40K, 50K	1.86	1.67	1.53	1.44
71-RS5-Value	68K, 75K	2.32	2.09	1.91	1.80

VISHAY / DALE 5%, 10% Wirewound Resistors - 3 and 5 Watt

YPE CW SILICONE COATED

tures:
licone coating
gh temperature
mplete welded construction
xcellent stability in operation
gh power/size ratio

Specifications:
- Resistance tolerance: <1Ω=±10%, ≥1Ω=±5%
- Temp. coefficient: ±90PPM/°C below 1Ω ±50PPM/°C 1Ω-7.5Ω ±30PPM/°C 10Ω-25KΩ
- Dielectric strength: 1000VAC min.

vailable in CW5 only.

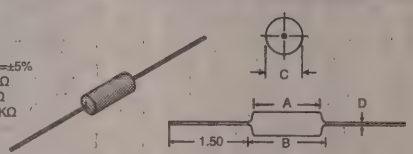


TABLE OF STOCKED VALUES

	0.75	12	39	150	400	1.1K	3.5K	8.0K	*22K
13	1.0	15	47	180	450	1.2K	3.9K	8.2K	*25K
15	1.5	18	50	200	470	1.5K	4.0K	9.0K	
2	2.0	20	56	220	500	1.8K	4.5K	10K	
22	2.7	22	68	225	560	2.0K	4.7K	12K	
25	3.0	25	75	250	600	2.2K	5.0K	12.5K	
27	4.0	27	82	270	680	2.5K	5.6K	15K	
3	5.0	30	100	300	750	2.7K	6.0K	*16K	
33	7.5	33	120	330	900	3.0K	6.8K	*18K	
5	10	35	125	390	1.0K	3.3K	7.5K	*20K	

Cross Reference Chart † Vitreous Coated

Dale	Clarostat
CW2B	†VC3D
CW5	†VC5E

DIMENSIONS (IN)

Series	A	B	C	D
CW2B	.562	.622	.188	.032
CW5	.872	1.00	.312	.040

CW2B, 3 Watts For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Value Range	Tol.	Price Each 1	10	25	50
71-CW2B-Value	0.1 - 0.75	10%	.44	.40	.37	.34
71-CW2B-J-Value	0.1 - 0.75	5%	.55	.50	.45	.42
71-CW2B-Value	1.0 - 1.0K	5%	.40	.36	.33	.31
71-CW2B-Value	1.1K - 3.0K	5%	.44	.40	.37	.34
71-CW2B-Value	3.3K - 10K	5%	.52	.47	.43	.40
71-CW2B-Value	11K - 15K	5%	.56	.51	.47	.43

CW5, 5 Watts For quantities of 100 and up, call for quote.

71-CW5-Value	0.1 - 0.75	10%	.56	.50	.46	.43
71-CW5-J-Value	0.1 - 0.75	5%	.62	.56	.51	.48
71-CW5-Value	1.0 - 1.0K	5%	.46	.42	.38	.35
71-CW5-Value	1.1K - 10K	5%	.52	.47	.43	.40
71-CW5-Value	11K - 20K	5%	.70	.64	.58	.54
71-CW5-Value	22K - 25K	5%	.77	.70	.64	.59

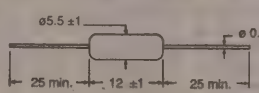
ISHAY / SFERNICE 5% Enamel Wirewound Power Resistors - 3 Watt

/M SERIES

ures:
h Dissipation
nformal Vitreous Enamel
Welded Construction
liable in AC or DC applications
- High Reliability Level
- Fire Proof
- Low ohmic values

Specifications:
- Operating Temperature: -55° C to +200° C
- Temperature Coefficient: + 75ppm/ °C typical
- Dielectric Withstanding Voltage: 500VRMS - one minute - 10mA
- Tolerance: 5% Standard
- Power Rating: 3 Watts

DIMENSIONS (mm)



For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value	Price Each 1	100	500	1000	5000
RWM410-R1-5	RWM410-R1-5-TR	0.1	.37	.32	.29	.21	.18
RWM410-R12-5	RWM410-R12-5-TR	0.12	.37	.32	.29	.21	.18
RWM410-R15-5	RWM410-R15-5-TR	0.15	.37	.32	.29	.21	.18
RWM410-R22-5	RWM410-R22-5-TR	0.22	.37	.32	.29	.21	.18
RWM410-R27-5	RWM410-R27-5-TR	0.27	.37	.32	.29	.21	.18
RWM410-R33-5	RWM410-R33-5-TR	0.33	.37	.32	.29	.21	.18
RWM410-R39-5	RWM410-R39-5-TR	0.39	.37	.32	.29	.21	.18
RWM410-R47-5	RWM410-R47-5-TR	0.47	.37	.32	.29	.21	.18
WM410-1-5	RWM410-1-5-TR	1	.32	.27	.25	.18	.15
WM410-1R5-5	RWM410-1R5-5-TR	1.5	.32	.27	.25	.18	.15
WM410-2R2-5	RWM410-2R2-5-TR	2.2	.32	.27	.25	.18	.15
WM410-3R3-5	RWM410-3R3-5-TR	3.3	.32	.27	.25	.18	.15
WM410-4R7-5	RWM410-4R7-5-TR	4.7	.32	.27	.25	.18	.15
WM410-6R2-5	RWM410-6R2-5-TR	6.2	.32	.27	.25	.18	.15
WM410-8R2-5	RWM410-8R2-5-TR	8.2	.32	.27	.25	.18	.15
WM410-10-5	RWM410-10-5-TR	10	.32	.27	.25	.18	.15
WM410-15-5	RWM410-15-5-TR	15	.32	.27	.25	.18	.15
WM410-22-5	RWM410-22-5-TR	22	.32	.27	.25	.18	.15
WM410-27-5	RWM410-27-5-TR	27	.32	.27	.25	.18	.15
WM410-39-5	RWM410-39-5-TR	39	.32	.27	.25	.18	.15
WM410-47-5	RWM410-47-5-TR	47	.32	.27	.25	.18	.15
WM410-56-5	RWM410-56-5-TR	56	.32	.27	.25	.18	.15

For quantities of 10,000 and up, call for quote.

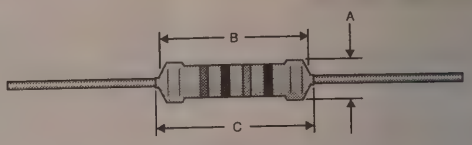
MOUSER STOCK NO.	Vishay Part Number	Value	Price Each 1	100	500	1000	5000
72-RWM410-68-5	RWM410-68-5-TR	68	.32	.27	.25	.18	.15
72-RWM410-100-5	RWM410-100-5-TR	100	.32	.27	.25	.18	.15
72-RWM410-150-5	RWM410-150-5-TR	150	.32	.27	.25	.18	.15
72-RWM410-180-5	RWM410-180-5-TR	180	.32	.27	.25	.18	.15
72-RWM410-220-5	RWM410-220-5-TR	220	.32	.27	.25	.18	.15
72-RWM410-270-5	RWM410-270-5-TR	270	.32	.27	.25	.18	.15
72-RWM410-330-5	RWM410-330-5-TR	330	.32	.27	.25	.18	.15
72-RWM410-390-5	RWM410-390-5-TR	390	.32	.27	.25	.18	.15
72-RWM410-470-5	RWM410-470-5-TR	470	.32	.27	.25	.18	.15
72-RWM410-560-5	RWM410-560-5-TR	560	.32	.27	.25	.18	.15
72-RWM410-680-5	RWM410-680-5-TR	680	.32	.27	.25	.18	.15
72-RWM410-1K-5	RWM410-1K-5-TR	1K	.32	.27	.25	.18	.15
72-RWM410-1K2-5	RWM410-1K2-5-TR	1.2K	.32	.27	.25	.18	.15
72-RWM410-1K5-5	RWM410-1K5-5-TR	1.5K	.32	.27	.25	.18	.15
72-RWM410-1K8-5	RWM410-1K8-5-TR	1.8K	.32	.27	.25	.18	.15
72-RWM410-2K2-5	RWM410-2K2-5-TR	2.2K	.32	.27	.25	.18	.15
72-RWM410-3K3-5	RWM410-3K3-5-TR	3.3K	.46	.39	.36	.26	.22
72-RWM410-3K9-5	RWM410-3K9-5-TR	3.9K	.46	.39	.36	.26	.22
72-RWM410-4K7-5	RWM410-4K7-5-TR	4.7K	.46	.39	.36	.26	.22
72-RWM410-5K6-5	RWM410-5K6-5-TR	5.6K	.46	.39	.36	.26	.22
72-RWM410-6K8-5	RWM410-6K8-5-TR	6.8K	.59	.51	.46	.34	.22
72-RWM410-10K-5	RWM410-10K-5-TR	10K	.59	.51	.46	.34	.22

PR01/PR02/PR03 SERIES POWER METAL FILM RESISTORS

Features:
- High power in small packages
- Defined interruption behavior
- Non flammable

Specifications:
- Resistance tolerance: ±5%
- Operating temperature: -55°C to +155°C
- Temperature coefficient: ±250ppm

Applications:
- Telecommunication
- Consumer
- White goods
- Industrial electronics
- Switch mode power supplies
- Line protection
- All general purpose power applications



For quantities of 50000 and up, call for quote.

Reel Qty.	Type	Power Rating	MOUSER STOCK NO.		Price Each						
				Value *	1	100	500	1000	5000	10000	25000
5000	PR01	1W	594-5073NW	Code	.16	.08	.07	.06	.05	.045	.035
5000	PR02	2W	594-5083NW	Code	.32	.18	.14	.12	.10	.09	.07
500	PR03	3W	594-5093NW	Code	.54	.30	.21	.20	.17	.14	.12

DIMENSIONS (mm)			
Type	øA Max.	B Max.	C Max.
PR01	2.5	6.5	8.5
PR02	3.9	10.0	12.0
PR03	5.2	16.7	19.5

*Insert **Value Code** from Table of Stocked Values.

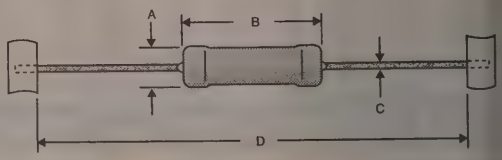
TABLE OF STOCKED VALUES

Value (Ω)	Value Code *	Power Rating 1W	2W	3W	Value (Ω)	Value Code *	Power Rating 1W	2W	3W	Value (Ω)	Value Code *	Power Rating 1W	2W	3W	Value (Ω)	Value Code *	Power Rating 1W	2W	3W	Value (Ω)	Value Code *	Power Rating 1W	2W	3W
1	1R000J	X	X		16	16R00J	X	X	X	270	270R0J	X	X	X	4.3K	4K300J	X	X	X	68K	68K00J	X	X	
1.1	1R100J	X	X		18	18R00J	X	X	X	300	300R0J	X	X	X	4.7K	4K700J	X	X	X	75K	75K00J	X	X	
1.2	1R200J	X	X		20	20R00J	X	X	X	330	330R0J	X	X	X	5.1K	5K100J	X	X	X	82K	82K00J	X	X	
1.3	1R300J	X	X		22	22R00J	X	X	X	360	360R0J	X	X	X	5.6K	5K600J	X	X	X	91K	91K00J	X	X	
1.5	1R500J	X	X		24	24R00J	X	X	X	390	390R0J	X	X	X	6.2K	6K200J	X	X	X	100K	100K0J	X	X	
1.6	1R600J	X	X		27	27R00J	X	X	X	430	430R0J	X	X	X	6.8K	6K800J	X	X	X	110K	110K0J	X	X	
1.8	1R800J	X	X		30	30R00J	X	X	X	470	470R0J	X	X	X	7.5K	7K500J	X	X	X	120K	120K0J	X	X	
2	2R000J	X	X		33	33R00J	X	X	X	510	510R0J	X	X	X	8.2K	8K200J	X	X	X	130K	130K0J	X	X	
2.2	2R200J	X	X		36	36R00J	X	X	X	560	560R0J	X	X	X	9.1K	9K100J	X	X	X	150K	150K0J	X	X	
2.4	2R400J	X	X		39	39R00J	X	X	X	620	620R0J	X	X	X	10K	10K00J	X	X	X	160K	160K0J	X	X	
2.7	2R700J	X	X		43	43R00J	X	X	X	680	680R0J	X	X	X	11K	11K00J	X	X	X	180K	180K0J	X	X	
3	3R000J	X	X		47	47R00J	X	X	X	750	750R0J	X	X	X	12K	12K00J	X	X	X	200K	200K0J	X	X	
3.3	3R300J	X	X		51	51R00J	X	X	X	820	820R0J	X	X	X	13K	13K00J	X	X	X	220K	220K0J	X	X	
3.6	3R600J	X	X		56	56R00J	X	X	X	910	910R0J	X	X	X	15K	15K00J	X	X	X	240K	240K0J	X	X	
3.9	3R900J	X	X		62	62R00J	X	X	X	1K	1K000J	X	X	X	16K	16K00J	X	X	X	270K	270K0J	X	X	
4.3	4R300J	X	X		68	68R00J	X	X	X	1.1K	1K100J	X	X	X	18K	18K00J	X	X	X	300K	300K0J	X	X	
4.7	4R700J	X	X		75	75R00J	X	X	X	1.2K	1K200J	X	X	X	20K	20K00J	X	X	X	330K	330K0J	X	X	
5.1	5R100J	X	X		82	82R00J	X	X	X	1.3K	1K300J	X	X	X	22K	22K00J	X	X	X	360K	360K0J	X	X	
5.6	5R600J	X	X		91	91R00J	X	X	X	1.5K	1K500J	X	X	X	24K	24K00J	X	X	X	390K	390K0J	X	X	
6.2	6R200J	X	X		100	100R0J	X	X	X	1.6K	1K600J	X	X	X	27K	27K00J	X	X	X	430K	430K0J	X	X	
6.8	6R800J	X	X		110	110R0J	X	X	X	1.8K	1K800J	X	X	X	30K	30K00J	X	X	X	470K	470K0J	X	X	
7.5	7R500J	X	X		120	120R0J	X	X	X	2K	2K000J	X	X	X	33K	33K00J	X	X	X	510K	510K0J	X	X	
8.2	8R200J	X	X		130	130R0J	X	X	X	2.2K	2K200J	X	X	X	36K	36K00J	X	X	X	560K	560K0J	X	X	
9.1	9R100J	X	X		150	150R0J	X	X	X	2.4K	2K400J	X	X	X	39K	39K00J	X	X	X	620K	620K0J	X	X	
10	10R00J	X	X	X	160	160R0J	X	X	X	2.7K	2K700J	X	X	X	43K	43K00J	X	X	X	680K	680K0J	X	X	
11	11R00J	X	X	X	180	180R0J	X	X	X	3K	3K000J	X	X	X	47K	47K00J	X	X	X	750K	750K0J	X	X	
12	12R00J	X	X	X	200	200R0J	X	X	X	3.3K	3K300J	X	X	X	51K	51K00J	X	X	X	820K	820K0J	X	X	
13	13R00J	X	X	X	220	220R0J	X	X	X	3.6K	3K600J	X	X	X	56K	56K00J	X	X	X	910K	910K0J	X	X	
15	15R00J	X	X	X	240	240R0J	X	X	X	3.9K	3K900J	X	X	X	62K	62K00J	X	X	X	1M	1M000J	X	X	

AC01/AC03/AC05 SERIES CEMENTED WIREWOUND RESISTORS

Features:
- All welded construction
- Ceramic core
- High power dissipation in small volume
- High pulse load handling capabilities
- Non-flammable cement coating
- Tinned copper-clad iron leads

Specifications:
- Resistance tolerance: ±5%



For quantities of 10000 and up, call for quote.

Reel Qty.	Type	MOUSER STOCK NO.		Range of Values (Ω)	Price Each						
			Value *		1	50	100	500	1000	2000	5000
1000	1W	594-AC01W	Code	0.1-0.75	1.56	1.08	.60	.29	.25	.23	.22
1000	1W	594-AC01W	Code	1.0-10	1.22	.84	.47	.23	.19	.18	.17
1000	1W	594-AC01W	Code	12-2.4K	1.34	.93	.52	.25	.21	.20	.19
500	3W	594-AC03W	Code	0.1-0.75	1.83	1.27	.71	.35	.29	.27	.26
500	3W	594-AC03W	Code	1.0-20	1.44	1.00	.56	.27	.23	.22	.21
500	3W	594-AC03W	Code	22-5K	1.99	1.38	.77	.37	.31	.30	.28
500	5W	594-AC05W	Code	0.1-0.75	1.98	1.37	.76	.37	.31	.30	.28
500	5W	594-AC05W	Code	1.0-39	1.68	1.16	.65	.32	.26	.25	.24
500	5W	594-AC05W	Code	43-1K	1.65	1.14	.64	.31	.26	.25	.23
500	5W	594-AC05W	Code	1.1K-10K	2.15	1.49	.83	.40	.34	.32	.31

DIMENSIONS IN (mm)				
Type	A Max.	B Max.	C	D M
AC01	4.3 (0.169)	11 (0.433)	0.8±0.03 (0.031±0.001)	63 (2.
AC03	4.8 (0.189)	13 (0.512)		63 (2.
AC05	7.5 (0.295)	17 (0.669)		63 (2.

*Insert **Value Code** from Table of Stocked Values.

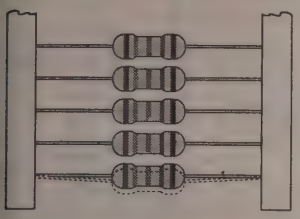
TABLE OF STOCKED VALUES

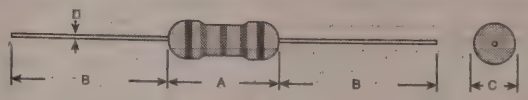
Value (Ω)	Value Code *	Power Rating 1W	3W	5W	Value (Ω)	Value Code *	Power Rating 1W	3W	5W	Value (Ω)	Value Code *	Power Rating 1W	3W	5W	Value (Ω)	Value Code *	Power Rating 1W	3W	5W	Value (Ω)	Value Code *	Power Rat 1W	3W
0.1	0R100J	x	x	x	7.5	7R500J	x	x	x	56	56R00J	x	x	x	430	430R0J	x	x	x	2.4K	2K400J	x	x
0.13	0R130J	x	x	x	10	10R00J	x	x	x	68	68R00J	x	x	x	470	470R0J	x	x	x	2.7K	2K700J		x
0.15	0R150J	x	x	x	12	12R00J	x	x	x	75	75R00J	x	x	x	500	500R0J	x	x	x	3K	3K000J		x
0.2	0R200J	x	x	x	15	15R00J	x	x	x	82	82R00J	x	x	x	560	560R0J	x	x	x	3.3K	3K300J		x
0.24	0R240J	x	x	x	18	18R00J	x	x	x	100	100R0J	x	x	x	620	620R0J	x	x	x	3.6K	3K600J		x
0.3	0R300J	x	x	x	20	20R00J	x	x	x	120	120R0J	x	x	x	680	680R0J	x	x	x	3.9K	3K900J		x
0.33	0R330J	x	x	x	22	22R00J	x	x	x	150	150R0J	x	x	x	750	750R0J	x	x	x	4.3K	4K300J		x
0.47	0R470J	x	x	x	24	24R00J	x	x	x	180	180R0J	x	x	x	820	820R0J	x	x	x	4.7K	4K700J		x
0.5	0R500J	x	x	x	27	27R00J	x	x	x	200	200R0J	x	x	x	910	910R0J	x	x	x	5K	5K000J		x
0.75	0R750J	x	x	x	30	30R00J	x	x	x	220	220R0J	x	x	x	1K	1K000J	x	x	x	5.6K	5K600J		
1	1R000J	x	x	x	33	33R00J	x	x	x	240	240R0J	x	x	x	1.1K	1K100J	x	x	x	6.2K	6K200J		
1.5	1R500J	x	x	x	36	36R00J	x	x	x	270	270R0J	x	x	x	1.2K	1K200J	x	x	x	6.8K	6K800J		
2	2R000J	x	x	x	39	39R00J	x	x	x	300	300R0J	x	x	x	1.5K	1K500J	x	x	x	7.5K	7K500J		
3	3R000J	x	x	x	43	43R00J	x	x	x	330	330R0J	x	x	x	1.8K	1K800J	x	x	x	8.2K	8K200J		
3.9	3R900J	x	x	x	47	47R00J	x	x	x	360	360R0J	x	x	x	2K	2K000J	x	x	x	9.1K	9K100J		
4.7	4R700J	x	x	x	50	50R00J	x	x	x	390	390R0J	x	x	x	2.2K	2K200J	x	x	x	10K	10K00J		
5	5R000J	x	x	x																			

MOUSER ELECTRONICS a ttl company

CON 1% Metal Film Resistors - 1/8, 1/4 and 1/2 Watt

XICON™





W.V. = $\sqrt{P * R}$
W.V. = Working Voltage DC
P = Power (rated in watts)
R = Resistance (rated in ohms)

Actual working voltage is the lower of either the value calculated from the above formula or the value listed in the chart.

- Temperature coefficient: ±50 ppm/°C
- Epoxy coated for environmental protection
- Low noise

Xicon Series	Watt Size	Max. Working Voltage	Dimensions (mm) A	B	C	D
270	1/8	200	3.5	28.0	2.0	0.5
271	1/4	250	6.8	28.0	2.5	0.6
273	1/2	350	10.0	28.0	3.5	0.6

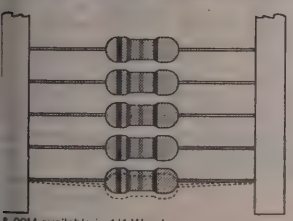
Xicon Series	Watt Size	BULK Mouser Stock No.	BULK Price Each 10	200	1,000	AMMO PACK Mouser Stock No.	Box Qty.	AMMO PACK Price/1,000 1,000	5,000	10,000	TAPE AND REEL Mouser Stock No.	Reel Qty.	TAPE AND REEL Price Each/1,000 5,000	10,000	50,000
	1/8 W	270-VALUE	.11	.05	.017	270-VALUE/AP	2000	$17/M	$16/M	$15/M	270-VALUE/REEL	5000	$16/M	$15/M	$13/M
	1/4 W	271-VALUE	.09	.02	.012	271-VALUE/AP	1000	$12/M	$11/M	$10/M	271-VALUE/REEL	5000	$11/M	$10/M	$9/M
			Price Each 10	100	1,000			Price/1,000 1,000	5,000	10,000			Price Each/1,000 3,000	9,000	48,000
	1/2 W	273-VALUE	.12	.06	.025	273-VALUE/AP	1000	$25/M	$24/M	$22/M	273-VALUE/REEL	3000	$25/M	$24/M	$20/M
		Minimum order of 10				Sold in full box quantities only					Sold in full reel quantities only				

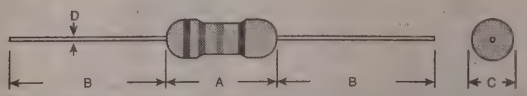
TABLE OF STOCKED VALUES

0	18.7	33	56.2	100	187	332	562	1K	1.87K	3.32K	5.9K	10.5K	19.6K	34K	59K	107K	196K	348K	619K
.2	19.1	33.2	57.6	102	191	340	565	1.02K	1.91K	3.4K	6.04K	10.7K	20K	34.8K	60.4K	110K	200K	357K	620K
.5	19.6	34	59	105	196	348	576	1.05K	1.96K	3.48K	6.19K	11K	20.5K	35.7K	61.9K	113K	205K	360K	634K
.7	20	34.8	60.4	107	200	350	590	1.07K	2K	3.57K	6.2K	11.3K	21K	36K	62K	115K	210K	365K	649K
1	20.5	35.7	61.9	110	205	357	604	1.1K	2.05K	3.6K	6.34K	11.5K	21.5K	36.5K	63.4K	118K	215K	374K	665K
.3	21	36	62	113	210	360	619	1.13K	2.1K	3.65K	6.49K	11.8K	22K	37.4K	64.9K	120K	220K	383K	680K
.5	21.5	36.5	63.4	115	215	365	620	1.15K	2.15K	3.74K	6.65K	12K	22.1K	38.3K	66.5K	121K	221K	390K	681K
.8	22	37.4	64.9	118	220	374	634	1.18K	2.2K	3.83K	6.8K	12.1K	22.6K	39K	68K	124K	226K	392K	698K
2	22.1	38.3	66.5	120	221	383	649	1.2K	2.21K	3.9K	6.81K	12.4K	23.2K	39.2K	68.1K	127K	232K	402K	715K
.1	22.6	39	68	121	226	390	665	1.21K	2.26K	3.92K	6.98K	12.7K	23.7K	40.2K	69.8K	130K	237K	412K	732K
.4	23.2	39.2	68.1	124	232	392	680	1.24K	2.32K	4.02K	7.15K	13K	24K	41.2K	71.5K	133K	240K	422K	750K
.7	23.7	40.2	69.8	127	237	402	681	1.27K	2.37K	4.12K	7.32K	13.3K	24.3K	42.2K	73.2K	137K	243K	430K	768K
3	24	41.2	71.5	130	240	412	698	1.3K	2.4K	4.22K	7.5K	13.7K	24.9K	43K	75K	140K	249K	432K	787K
.3	24.3	42.2	73.2	133	243	422	715	1.33K	2.43K	4.32K	7.68K	14K	25.5K	43.2K	76.8K	143K	255K	442K	806K
.7	24.7	43	75	137	249	430	732	1.37K	2.49K	4.42K	7.87K	14.3K	26.1K	44.2K	78.7K	147K	261K	453K	820K
4	24.9	43.2	75.5	140	255	432	750	1.4K	2.55K	4.53K	8.06K	14.7K	26.7K	45.3K	80.6K	150K	267K	464K	825K
.3	25.5	44.2	76.8	143	261	442	768	1.43K	2.61K	4.64K	8.2K	15K	27K	46.4K	82K	154K	270K	470K	845K
.7	26.1	45.3	78.7	147	267	453	787	1.47K	2.67K	4.7K	8.25K	15.4K	27.4K	47K	82.5K	158K	274K	475K	866K
5	26.7	46.4	80.6	150	270	464	806	1.5K	2.7K	4.75K	8.45K	15.8K	28K	47.5K	84.5K	160K	280K	487K	887K
.4	27	47	82	154	274	470	820	1.54K	2.74K	4.87K	8.66K	16K	28.7K	48.7K	86.6K	162K	287K	499K	909K
.8	27.4	47.5	82.5	158	280	475	825	1.58K	2.8K	4.99K	8.8K	16.2K	29.4K	49.9K	88.7K	165K	294K	511K	910K
6	28	48.7	84.5	160	287	487	845	1.6K	2.87K	5.1K	8.87K	16.5K	30K	51K	90.9K	169K	300K	523K	931K
.2	28.7	49.9	86.6	162	294	499	866	1.62K	2.94K	5.11K	9.09K	16.9K	30.1K	51.1K	91K	174K	301K	536K	953K
.5	29.4	51	88.7	165	300	510	887	1.65K	3.0K	5.23K	9.1K	17.4K	30.9K	52.3K	93.1K	178K	309K	549K	976K
.9	30	51.1	90.9	169	301	511	909	1.69K	3.01K	5.36K	9.31K	17.8K	31.6K	53.6K	95.3K	180K	316K	560K	1.0M
.4	30.1	52.3	91	174	309	523	910	1.74K	3.09K	5.49K	9.53K	18K	32.4K	54.9K	97.6K	182K	324K	562K	1.5M
.8	30.9	53.6	93.1	178	316	536	931	1.78K	3.16K	5.6K	9.76K	18.2K	33K	56K	100K	187K	330K	576K	2.2M
3	31.6	54.9	95.3	180	324	549	953	1.8K	3.24K	5.62K	10K	18.7K	33.2K	56.2K	102K	191K	332K	590K	
.2	32.4	56	97.6	182	330	560	976	1.82K	3.3K	5.76K	10.2K	19.1K	33.6K	57.6K	105K	192K	340K	604K	

CON 5% Carbon Film Resistors - 1/8, 1/4, 1/2W and 1 Watt

XICON™





W.V. = $\sqrt{P * R}$
W.V. = Working Voltage DC
P = Power (rated in watts)
R = Resistance (rated in ohms)

Actual working voltage is the lower of either the value calculated from the above formula or the value listed in the chart.

- Low cost
- Use instead of carbon composition in low pulse applications
- Epoxy coated for environmental protection

Xicon Series	Watt Size	Max. Working Voltage	Dimensions (mm) A	B	C	D
299	1/8	200	4.2	28.0	2.0	0.5
291	1/4	250	6.8	28.0	2.5	0.6
293	1/2	350	10.0	28.0	3.5	0.6
294	1	500	12.0	28.0	5.0	0.8

5 22M available in 1/4 W only

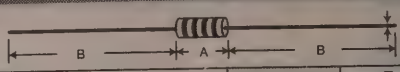
1 s	Watt Size	BULK Mouser Stock No.	BULK Price Each 10	200	1,000	AMMO PACK Mouser Stock No.	Box Qty.	AMMO PACK Price/1,000 1,000	5,000	10,000	TAPE AND REEL Mouser Stock No.	Reel Qty.	TAPE AND REEL Price Each/1,000 5,000	10,000	50,000
	1/8 W	299-VALUE	.08	.014	.007	299-VALUE/AP	2000	$7/M	$6/M	$5/M	299-VALUE/REEL	5000	$6/M	$5/M	$5/M
	1/4 W	291-VALUE	.07	.009	.006	291-VALUE/AP	1000	$6/M	$5/M	$4/M	291-VALUE/REEL	5000	$5/M	$4/M	$4/M
		291-VALUE(15M-22M)*	.09	.03	.013	291-VALUE/AP(15M-22M)	1000	$13/M	$12/M	$11/M	291-VALUE/REEL(15M-22M)	5000	$12/M	$11/M	$9/M
			Price Each 10	100	1,000			Price/1,000 1,000	5,000	10,000			Price Each/1,000 3,000	9,000	48,000
	1/2 W	293-VALUE	.08	.014	.012	293-VALUE/AP	1000	$12/M	$11/M	$10/M	293-VALUE/REEL	3000	$12/M	$11/M	$10/M
	1 W	294-VALUE	.14	.05	.036	294-VALUE/AP	N/A	---	---	---	294-VALUE/REEL	N/A	---	---	---
		Minimum order of 10				Sold in full box quantities only					Sold in full reel quantities only				

TABLE OF STOCKED VALUES

	2.4	6.8	20	56	160	470	1.3K	3.6K	10K	30K	82K	240K	680K	2M	5.6M
5	2.7	7.5	22	62	180	510	1.5K	3.9K	11K	33K	91K	270K	750K	2.2M	6.2M
)	3.0	8.2	24	68	200	560	1.6K	4.3K	12K	36K	100K	300K	820K	2.4M	6.8M
	3.3	9.1	27	75	220	620	1.8K	4.7K	13K	39K	110K	330K	910K	2.7M	7.5M
2	3.6	10	30	82	240	680	2K	5.1K	15K	43K	120K	360K	1M	3M	8.2M
1	3.9	11	33	91	270	750	2.2K	5.6K	16K	47K	130K	390K	1.1M	3.3M	9.1M
5	4.3	12	36	100	300	820	2.4K	6.2K	18K	51K	150K	430K	1.2M	3.6M	10M
5	4.7	13	39	110	330	910	2.7K	6.8K	20K	56K	160K	470K	1.3M	3.9M	15M*
1	5.1	15	43	120	360	1K	3K	7.5K	22K	62K	180K	510K	1.5M	4.3M	22M*
1	5.6	16	47	130	390	1.1K	3.2K	8.2K	24K	68K	200K	560K	1.6M	4.7M	
1	6.2	18	51	150	430	1.2K	3.3K	9.1K	27K	75K	220K	620K	1.8M	5.1M	

XICON 5% Carbon Composition Resistors - 1/4 and 1/2 Watt

Features:
- ±5% tolerance
- Predictable performance
- Low inductance and capacitance
- To order tape & reel add "/reel" to Mouser stock #



Watts (W)	MOUSER STOCK NO.	Values (Ω) See Table	Dimensions (mm) A	B	C	D +.02 -.005	Bulk Price Each 1	100	1000	5000	Qty/Reel	Tape & Reel Price Each 5,000	10,000	50,0
1/4	30BJ250-Value	2.2 - 910K	6.4	27	2.5	0.6	.22	.08	.071	.063	5000	.063	.062	.06
1/4	30BJ250-Value	1M - 8.2M	6.4	27	2.5	0.6	.30	.18	.145	.117	5000	.117	.095	.08
												Price Each 4,000	8,000	40,0
1/2	30BJ500-Value	2.2 - 910K	9.5	25	3.5	0.74	.22	.10	.088	.077	4000	.077	.076	.07
1/2	30BJ500-Value	1M - 8.2M	9.5	25	3.5	0.74	.32	.19	.170	.152	4000	.150	.130	.09

TABLE OF STOCKED VALUES

2.2	4.7	10	22	47	100	220	470	1.0K	2.2K	4.7K	10K	22K	47K	100K	220K	470K	1.0M	3.9
2.4	5.1	11	24	51	110	240	510	1.1K	2.4K	5.1K	11K	24K	51K	110K	240K	510K	1.2M	4.7
2.7	5.6	12	27	56	120	270	560	1.2K	2.7K	5.6K	12K	27K	56K	120K	270K	560K	1.5M	5.6
3.0	6.2	13	30	62	130	300	620	1.3K	3.0K	6.2K	13K	30K	62K	130K	300K	620K	1.8M	6.8
3.3	6.8	15	33	68	150	330	680	1.5K	3.3K	6.8K	15K	33K	68K	150K	330K	680K	2.2M	8.2
3.6	7.5	16	36	75	160	360	750	1.6K	3.6K	7.5K	16K	36K	75K	160K	360K	750K	2.4M	
3.9	8.2	18	39	82	180	390	820	1.8K	3.9K	8.2K	18K	39K	82K	180K	390K	820K	2.7M	
4.3	9.1	20	43	91	200	430	910	2.0K	4.3K	9.1K	20K	43K	91K	200K	430K	910K	3.3M	

XICON Carbon Composition Resistor Kits - 1/4 Watt

1/4 WATT CARBON COMPOSITION RESISTOR KITS

Kits 370-BJ250-1, 370-BJ250-2, 370-BJ250-3 have 240 pieces, 10 each of 24 different values packaged in plastic bags with one value per bag.

Kits 370-BJ250-1C, 370-BJ250-2C, 370-BJ250-3C, have 2400 pieces, 100 each of 24 different values packaged in plastic bags with one value per bag.

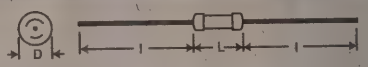
Kit 370-BJ250-C has 7200 pieces, 100 each of all values listed for kits-370-BJ250-1C, 370-BJ250-2C and 370-BJ250-3C.

	Range of Values Per Kit (Ω)	
370-BJ250-1	2.2, 2.7, 3.3, 4.7, 5.6, 6.8, 8.2, 10, 13, 15, 20, 27, 47, 68, 75,	1
370-BJ250-1C	100, 200, 300, 430, 560, 680, 750, 820, 1.0K	13
370-BJ250-2	1.1K, 1.5K, 1.8K, 2.0K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K,	1
370-BJ250-2C	8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	13
370-BJ250-3	100K, 110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 240K, 270K, 300K, 330K,	1
370-BJ250-3C	360K, 390K, 430K, 470K, 510K, 560K, 620K, 680K, 750K, 820K, 910K	13
370-BJ250-C	100 each of all of the values listed for 370-BJ250-1C, 370-BJ250-2C & 370-BJ250-3C. (7200 pieces)	36

XICON 5% Metal Oxide Power Resistors - 1, 2, 3 and 5 Watt

Features:
- Smaller size
- Excellent flame retardant coating
- Stable performance in diverse environments

Specifications:
- Temperature coefficient: ±350ppm
- Resistance tolerance: ±5%
- Max working voltage: 1W, 2W, 3W: 350VAC, 5W: 500VAC
- To order tape & reel add "/reel" to Mouser stock #



DIMENSIONS

SMALL SIZE • Temp. range: -55°C to +155°C

MOUSER STOCK NO.	Rated Power (Watts)	Value Range (Ω)	Dimensions (mm) L	D	l (Min)	Price Per Piece 1	100	1000	Qty/Reel	Price Per Piece 2500	5000	10
281-Value	1	0.47-1.0M	10	4	28	.13	.09	.05	2500	.05	.045	.0
282-Value	2	0.47-1.0M	12	5	28	.19	.10	.06	2500	.06	.056	.0
283-Value	3	0.47-1.0M	16	5.5	28	.39	.25	.15	---	---	---	-
286-Value	5	5.1-150K	25	8	28	.49	.33	.30	---	---	---	-

STANDARD SIZE • Temp. range: -55°C to +200°C

261-Value	1	0.47-1.0M	12	4.5	27	.13	.09	.05	2500	.05	.045	.0
262-Value	2	0.47-1.0M	16	5.5	27	.19	.10	.060	1000	.06	.056	.0

* Not stocked in 5 watt

TABLE OF STOCKED VALUES

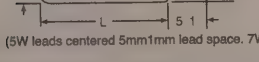
*0.47	*0.91	*2.0	*4.3	9.1	20	43	91	200	430	910	2.0K	4.3K	9.1K	20K	43K	91K	*200K	*430K	*
*0.5	*1.0	*2.2	*4.7	10	22	47	100	220	470	1.0K	2.2K	4.7K	10K	22K	47K	100K	*220K	*470K	*
*0.51	*1.1	*2.4	5.1	11	24	51	110	240	510	1.1K	2.4K	5.1K	11K	24K	51K	110K	*240K	*510K	
*0.56	*1.2	*2.7	5.6	12	27	56	120	270	560	1.2K	2.7K	5.6K	12K	27K	56K	120K	*270K	*560K	
*0.62	*1.3	3.0	6.2	13	30	62	130	300	620	1.3K	3.0K	6.2K	13K	30K	62K	130K	*300K	*620K	
*0.68	*1.5	*3.3	6.8	15	33	68	150	330	680	1.5K	3.3K	6.8K	15K	33K	68K	150K	*330K	*680K	
*0.75	*1.6	*3.6	7.5	16	36	75	160	360	750	1.6K	3.6K	7.5K	16K	36K	75K	*160K	*360K	*750K	
*0.82	*1.8	*3.9	8.2	18	39	82	180	390	820	1.8K	3.9K	8.2K	18K	39K	82K	*180K	*390K	*820K	

XICON 5% Cement Power Resistors - 5, 7, 10, 15 and 25 Watt

VERTICAL MOUNT

Features:
- Exceptionally small, sturdy, and reliable
- Sealed with a special cement
- Excellent moisture resistance
- High temperature stability
- Ceramic flame retardant package

Specifications:
- Tolerance: ±5%
- Temperature coefficient: ±350ppm/°C max; <20Ω ±400ppm/°C



(5W leads centered 5mm1mm lead space. 7W and 10W are offset)

DIMENSIONS (mm)

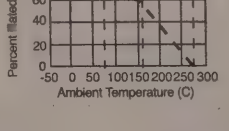


Table of Values in Ω for PRM Series					
0.1	0.68	6.8	20	100	1K
0.3	1.0	10	47	150	2K
0.47	3.0	15	75	680	10K

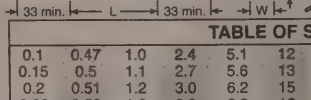
For quantities 1,000 and up, call for quote.

MOUSER STOCK NO.	Watts	Length (mm) L ± 1	Resistance Range Wirewound	Power Film	Price Each 1	10	100	500
280-PRM5-Value	5	25	0.1Ω~47Ω	48Ω~100KΩ	.36	.31	.23	.19
280-PRM7-Value	7	38	0.1Ω~680Ω	681Ω~200KΩ	.51	.41	.31	.28
280-PRM10-Value	10	50	0.1Ω~910Ω	911Ω~200KΩ	.68	.54	.42	.37

AXIAL MOUNT

Features:
- Extremely small and sturdy
- Mechanically safe
- Self-extinguishing
- Excellent flame and moisture resistance

Specifications:
- Temperature coefficient: ±350
- Tolerance: ±5%
- Operating temperature: -40°C to +200°C



DIMENSIONS:

Watts	L	W
5	22	10
10	49	10
15	49	12
25	64	14

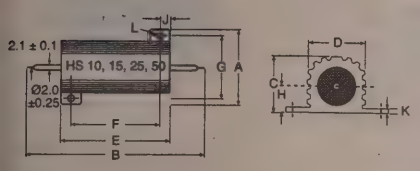
TABLE OF STOCKED VALUES

0.1	0.47	1.0	2.4	5.1	12	27	62	160	350	680	1.6K
0.15	0.5	1.1	2.7	5.6	13	30	68	180	360	750	1.8K
0.2	0.51	1.2	3.0	6.2	15	33	75	200	390	820	2.0K
0.22	0.56	1.3	3.3	6.8	16	36	82	220	430	910	2.2K
0.27	0.62	1.5	3.6	7.5	18	39	91	240	470	1.0K	2.4K
0.3	0.68	1.6	3.9	8.2	20	43	100	250	500	1.1K	2.7K
0.33	0.75	1.8	4.0	9.1	22	47	120	270	510	1.2K	3.0K
0.39	0.82	2.0	4.7	10	24	50	130	300	560	1.3K	3.3K
0.43	0.91	2.2	5.0	11	25	56	150	330	620	1.5K	3.9K

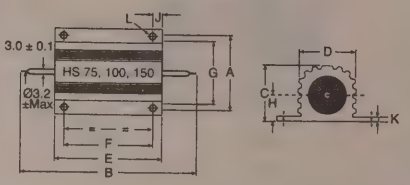
For quantities 25,000 and up, call f

MOUSER STOCK NO.	Watts	Range of Values (Ω)	Price Each 1	10	100	500	1000	5000
280-CR5-Value	5	.1 to 25K	.39	.32	.24	.21	.17	.13
280-CR10-Value	10	.1 to 25K	.55	.47	.35	.27	.24	.20
280-CR15-Value	15	1.0 to 1.0K	.63	.57	.47	.33	.28	.20
280-CR25-Value	25	2.0 to 1.0K	1.09	.99	.82	.58	.48	.34

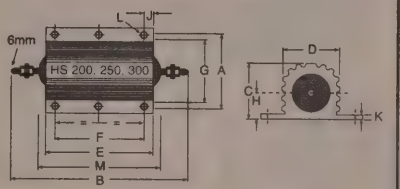
A



B



C

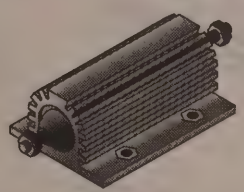


Arcol Type	Fig.	Dimensions (mm)											
		A max.	B max.	C max.	D ± 1.6	E max.	F ± 0.3	G ± 0.3	H ± 0.5	J ± 0.4	K ± 0.8	L ± 0.25 †	M max.
HS10	A	17.0	30.0	9.0	8.5	17.0	11.3	12.4	4.0	2.0	1.7	2.4	- - -
HS15	A	21.0	36.5	11.0	11.2	21.0	14.3	15.9	5.2	2.4	1.7	2.4	- - -
HS25	A	28.0	51.0	15.0	13.5	29.0	18.3	19.8	7.2	4.3	2.4	3.2	- - -
HS50	A	30.0	72.5	17.0	15.1	51.0	39.7	21.4	7.9	4.8	2.4	3.2	- - -
HS75	B	47.5	72.0	24.1	27.3	48.7	29.0	37.0	11.8	10.4	3.7	4.4	- - -
HS100	B	48.0	88.0	26.0	27.0	65.0	35.0	37.0	11.5	15.0	3.5	4.4	- - -
HS150	B	47.5	121.0	24.1	27.3	97.7	58.0	37.0	11.8	20.4	3.7	4.4	- - -
HS200	C	73.0	146.0	45.0	46.0	90.0	70.0	57.2	20.0	10.0	5.0	5.1	106.0
HS250	C	73.0	157.0	45.0	46.0	109.0	89.0	57.2	20.0	10.0	5.0	5.1	125.0
HS300	C	73.0	185.0	45.0	46.0	128.0	104.0	59.0	20.0	12.0	5.0	6.6	144.0

- 300 Watts is ± .45

Tolerance (values less than 1ohm 5% tolerance)

Table of Values in Ω								
0.1	0.51	2.2	8.0	25	56	220	1K	5K
0.15	0.56	2.7	7.5	27	68	250	1.5K	10K
0.22	0.68	3.0	10	30	75	330	2K	20K
0.27	0.82	3.3	15	33	100	470	2.2K	25K
0.33	1.0	4.0	16	40	120	500	3K	50K
0.47	1.5	4.7	20	47	150	560	3.3K	
0.5	2.0	5.0	22	50	200	680	4.7K	



ures:
xdized aluminum housing ensures good humidity seal
signed for chassis or heat-sink mounting for maximum
t dissipation
minations are silver plated
der, cable, threaded or fast-on terminations
h level voltage protection
ndard terminations: 10-100 watt solder terminations;
-300 watt threaded terminations.
n-standard ohmic values available.

ifications:
ulation resistance: 10 GΩ
ectric strength:
0VAC peak (10-15W);
0VAC (25-50W);
0VAC (100-300W)
istant element:
per-nickel alloy, or nickel chrome alloy
sing: anodized aluminum
e material: ceramic steatite
inductance and special terminations available
I - Low inductance series
9001 (1994)
efer molding process insures a good humidity seal and
nanent compression fit of the concentric resistive element.

Dissipation:
the use of proprietary heat sinks
wer thermal resistance is acceptable,
ng is not recommended. For maximum
ansfer it is recommended that a heat sink
ound be applied between the resistor base
eat sink/chassis mounting surface. It is
al that the maximum hot spot temperature
°C is not exceeded and therefore the
r must be mounted on a heat sink of correct
l resistance for the power being dissipated.

mum Overload:
consult the factory for assistance
ning your particular overload application.

- Also available in 75 and 150 watt sizes
- 5% tolerance below 1Ω

For quantities of 100 and up, call for quote.

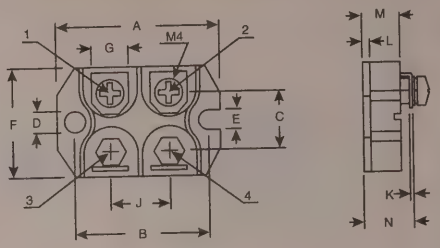
MOUSER STOCK NO.	Fig.	Wattage Rating (Heat Sink Mounted)	Stocked Values (Ω)	Price Each			
				1	10	25	50
284-HS10-Value	A	10 watt 5%	0.1-0.82	3.04	2.58	2.48	2.10
284-HS15-Value	A	15 watt 5%		2.99	2.40	1.96	1.64
284-HS25-Value	A	25 watt 5%		3.35	3.03	2.39	2.02
284-HS50-Value	A	50 watt 5%		4.70	4.31	3.98	3.51
284-HS75-Value	B	75 Watt 5%	0.1, 0.47, 0.5	12.15	11.54	10.96	10.42
284-HS100-Value	B	100 watt 5%	0.1-0.82	15.61	14.70	13.46	11.96
284-HS150-Value	B	150 Watt 5%	0.1, 0.47, 0.5	15.04	14.29	13.57	12.89
284-HS10-(Value)F	A	10 watt 1%	1.0-5K	2.48	2.44	2.26	2.03
284-HS15-(Value)F	A	15 watt 1%	1.0-2K	2.20	1.92	1.79	1.65
			3K-5K	2.39	2.08	1.94	1.79
284-HS25-(Value)F	A	25 watt 1%	1.0-2K	3.15	3.13	2.90	2.61
			3K-25K	3.86	2.57	2.12	1.95
284-HS50-(Value)F	A	50 watt 1%	1.0-5K	3.19	3.13	2.90	2.61
			10K-50K	3.37	3.30	3.06	2.75
284-HS75-(Value)F	B	75 Watt 1%	1.0-220	11.91	11.31	10.74	10.20
			330-1K	12.03	11.42	10.86	10.31
284-HS100-(Value)F	B	100 watt 1%	1.0-20K	12.22	12.00	11.12	10.01
			360-70K	13.45	13.21	12.23	11.01
284-HS150-(Value)F	B	150 Watt 1%	1.0-680	15.79	15.00	14.25	13.54
			1K	17.06	16.21	15.40	14.62
284-HS200-(Value)F	C	200 watt 1%	1.0-2.2K	46.51	42.28	38.44	34.94
			2.21K-5K	45.61	41.47	37.70	34.27
			5.1K-10K	47.00	46.00	44.00	42.00
284-HS250-(Value)F	C	250 watt 1%	1.0-2.2K	52.59	47.80	43.47	39.51
			2.21K-5K	51.55	46.85	42.60	38.73
			5.1K-10K	52.08	47.34	43.04	39.13
284-HS300-(Value)F	C	300 watt 1%	1.0-2.2K	62.58	56.89	51.72	47.02
			2.21K-5K	61.33	55.76	50.69	46.08
			5.1K-10K	61.94	56.31	51.19	46.54
				1	2	5	25
284-NHS100-(Value)F	C	100 watt 1%	2.0, 4.0, 8.0, 16, 50	19.95	17.25	15.95	14.95
284-NHS200-(Value)F	C	200 watt 1%		39.95	35.95	32.25	29.95
284-NHS300-(Value)F	C	300 watt 1%		69.95	62.95	56.49	50.75

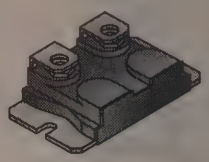
ARCOL Thick Film Power Resistors - 100 Watt

FPA SERIES

Features:
- ISOTOP/SOT227 semiconductor style package
- 100W dissipation in a small footprint
- Very low inductance
- Direct heatsink mounting - 0.85°C/W
- Due to a Non-Inductive design these elements are ideally suited for high frequency and pulse load applications

Specifications:
- TCR: 250ppm
- Power rating at 25°C: 100W
- Max working voltage: 1kV
- Working temperature range: -55°C to +155°C
- Non-Heatsink mounted rating - 2.5W





Value Table					
2	6.8	22	100	470	3.3K
2.2	8	33	150	680	4.7K
3.3	10	47	220	1K	6.8K
4	15	50	300	1.5K	10K
4.7	16	68	330	2.2K	22K

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Price Each			
	1	10	25	50
284-FPA100-Value	22.63	20.57	18.70	17.00

	Dimensions (mm)					
	A	B	C	D	E	F
MIN	38.00	30.10	12.60	4.00	4.10	24
MAX	38.20	30.30	12.80	N/A	4.30	25
	G	J	K	L	M	N
MIN	7.80	14.9	0.75	1.95	8.9	12
MAX	8.20	15.1	0.85	2.05	9.1	13

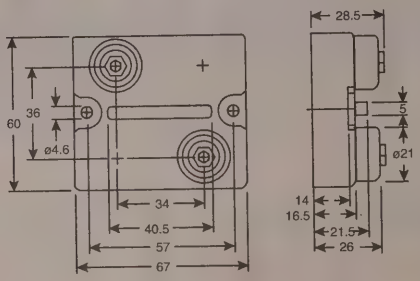
ARCOL Thick Film Power Resistors - 250 Watt

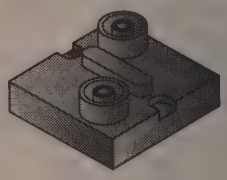
FPA SERIES

DIMENSIONS: mm

Features:
- High Power/Volume Ratio
- Direct heat sink mounting
- Due to a Non-Inductive design these elements are ideally suited for high frequency applications

Specifications:
- Power rating: 250W (heat sink at 100° C)
- Temperature coefficient: 100ppm/° C
- Max working voltage: 5000V
- Working temperature: -55° C to +155° C
- Dielectric strength: 7000V/12kV





Value Table				
1	4	10	50	470
2.2	4.7	22	100	1K
3.3	5	47	330	10K

For quantities of 100 and up, call for quote.

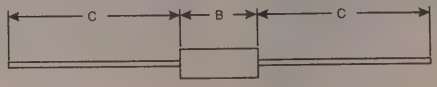
MOUSER STOCK NO.	Price Each			
	1	10	25	50
284-FPA250-Value	87.02	82.67	78.53	74.61

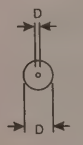
ARCOL Axial Coated Silicon Resistors - 5 Watt

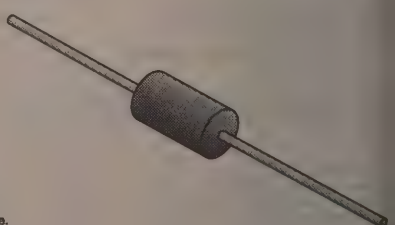
ACS SERIES

Features:
- 5 watt resistor is the size of a generic 3 watt resistor
- Inductive type resistors
- Tape & Reel: 1000 per Reel

Specifications:
- Resistance tolerance: < than 1 ohm (10%)
  1 ohm and > (5%)
- Temperature range: -55° C to +350° C
- Temperature coefficient: <1 ohm (90ppm/° C)
  1 ohm to 10 ohm (50ppm/° C)
  >10 ohm (20ppm/° C
- Insulation resistance: 1000M ohms Min.
- Dielectric withstand voltage: 500V AC







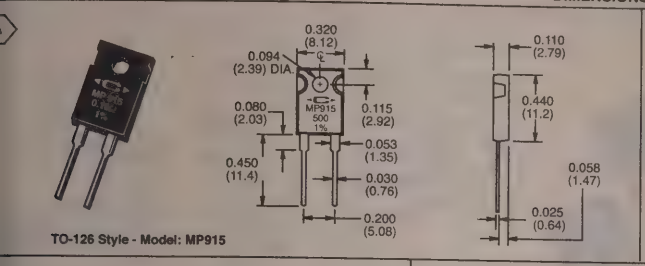
Value Table					
0.1	0.4	0.82	3.3	15	68
330	1.5K	6.8K	0.12	0.47	0.9
3.9	18	82	390	1.8K	8.2K
0.15	0.5	1	4.7	22	100
470	2.2K	10K	0.2	0.56	1.2
5.6	27	120	560	2.7K	12K
0.22	0.6	1.5	6.8	33	150
680	3.3K	15K	0.3	0.68	1.8
8.2	39	180	820	3.9K	18K
0.33	0.7	2.2	10	47	220
1K	4.7K	22K	0.39	0.8	2.7
12	56	270	1.2K	5.6K	

For quantities of 1,000 and up, call for quote.

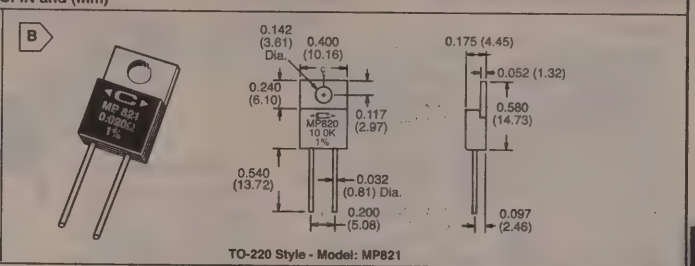
MOUSER STOCK NO.	Range of Values	Price Each			
		1	25	100	250
284-ACS5SW-Value	0.1 - 0.9	1.50	1.35	1.22	1.09
284-ACS5SW-Value	1.0 - 8.2	1.00	.90	.81	.73
284-ACS5SW-Value	10 - 82	.95	.86	.77	.69
284-ACS5SW-Value	100 - 820	.95	.86	.77	.69
284-ACS5SW-Value	1K - 2.7K	1.00	.90	.81	.73
284-ACS5SW-Value	3.3K - 6.8K	1.10	.99	.89	.81
284-ACS5SW-Value	8.2K - 12K	1.50	1.35	1.22	1.09
284-ACS5SW-Value	15K - 22K	1.60	1.44	1.30	1.17

Type	Dimensions (mm)			
	B	C	D	
ACS 5S	12.7±1.0	35.0±1.0	0.8±0.02	4.78

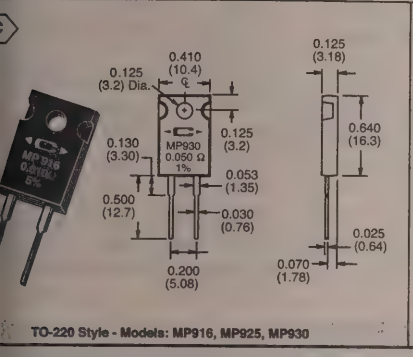
DIMENSIONS: IN and (mm)



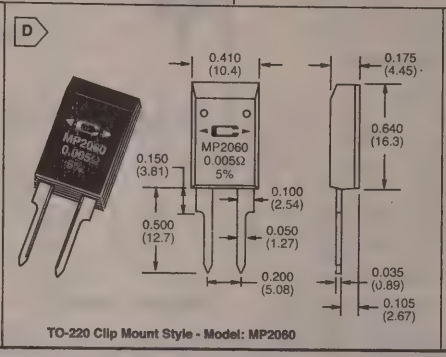
TO-126 Style - Model: MP915



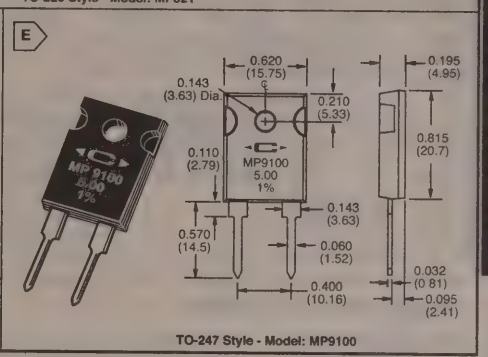
TO-220 Style - Model: MP821



TO-220 Style - Models: MP916, MP925, MP930



TO-220 Clip Mount Style - Model: MP2060



TO-247 Style - Model: MP9100

P SERIES

Non-Inductive, Heat Sink Mount TO-126, TO-220, and TO-247 Packages

Features:

Non-Inductive Design, Ideal for Power Switching Circuits, Snubbers, RF Applications: 50 Ohm performance up to 500 MHz.
Values as low as 0.005 ohm ideal for Current Sensing in Power Supplies, Motor Controls, and Battery Charging Circuits
Resistor Element Electrically Isolated from the Ceramic Heat Dissipating Mounting Surface (1500 V ACrms)
Tight Tolerance for most resistance values

Power Ratings are based on +25°C Case Temp.:

Case temp. is used to establish the max. applied power, see Derating Curve. The case temp. measurement is made with a thermocouple contacting the bottom mounting surface of the package (center of heat dissipating ceramic), the resistor mounted on the heat sink with thermal grease. See Mounting Note.

Without a Heat Sink:

Power in free air at +25°C the MP Series have
following power ratings:
MP915: 1.25 W MP916, MP925, MP930: 2.25 W
MP9100: 2.5 W MP9100: 3.5 W

Mounting Note:

Mount on a smooth, clean, and flat heat sink surface with a thermal interface material such as thermal grease.
Entire exposed ceramic area must be in contact with the heat sink. For additional technical information please refer to Caddock Applications Notes for the MP Series available online at www.caddock.com.

Screw Mounting:

Use of a compression washer (Belleville type) is recommended. The compression washer must provide a force of 300 lbs. Recommended mounting torque is 6 in-lbs. Maximum mounting torque to avoid damage to the package 8 in-lbs.

Clip Mounting:

Recommended Clip Force is 8 to 35 lbs applied to the center of the package. The clip should be smooth to avoid any concentrations of pressure.

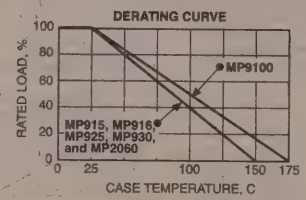


Table of Stocked Values in (Ω)				
0.005	0.20	10	100	5K
0.010	0.50	20	200	10K
0.020	1	25	500	20K
0.050	2	50	1K	50K
0.10	5	75	2K	100K

Temperature Coefficient:

MP915, MP916, MP925, MP930:

- ΔR taken at +150°C, ref to +25°C
  0.50 ohm to 100K: -20 to +80 ppm/°C
  0.050 ohm to 0.49 ohm: 0 to +200 ppm/°C
  0.020 ohm to 0.049 ohm: 0 to +300 ppm/°C
  0.010 ohm to 0.019 ohm: 0 to +500 ppm/°C

MP821, MP820:

- ΔR taken at +175°C, ref to +25°C
  5.00 ohm to 10K: -20 to +50 ppm/°C
  0.50 ohm to 4.99 ohm: -20 to +80 ppm/°C
  0.050 ohm to 0.49 ohm: 0 to +200 ppm/°C
  0.020 ohm to 0.049 ohm: 0 to +300 ppm/°C

MP2060:

- ΔR taken at +150°C, ref to +25°C
  0.50 ohm to 100K: -20 to +80 ppm/°C
  0.050 ohm to 0.49 ohm: 0 to +100 ppm/°C
  0.015 ohm to 0.049 ohm: 0 to +200 ppm/°C
  0.005 ohm to 0.014 ohm: 0 to +300 ppm/°C

MP9100:

- ΔR taken at +175°C, ref to +25°C
  0.50 ohm to 100 ohm: -20 to +80 ppm/°C
  0.050 ohm to 0.49 ohm: 0 to +150 ppm/°C

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Caddock Part No.	Case Style	Fig.	*Power Rating	Thermal Res. (Film to Case)	Max. Operating Voltage ACrms	Ohm Range (See Table of Stocked Values)	Tol.	Price Each 1	10	25	50
MP915-Value	MP915-Value-Tol.	TO-126	A	15 W	8.33°C/W	Power Limited	0.02	5%	4.48	3.58	3.31	3.13
		TO-126	A	15 W	8.33°C/W	Power Limited	0.05	1%	4.48	3.58	3.31	3.13
		TO-126	A	15 W	8.33°C/W	Power Limited	0.1 to 0.5	1%	3.28	2.62	2.42	2.29
		TO-126	A	15 W	8.33°C/W	200 V	1 to 5	1%	3.10	2.48	2.29	2.17
		TO-126	A	15 W	8.33°C/W	200 V	10 to 1K	1%	2.78	2.22	2.05	1.94
MP916-Value	MP916-Value-Tol.	TO-220	C	16 W	7.81°C/W	Power Limited	0.01	5%	6.93	5.54	5.12	4.85
MP821-Value	MP821-Value-Tol.	TO-220	B	20 W	7.5°C/W	Power Limited	0.020 to 0.050	1%	8.90	7.12	6.59	6.23
		TO-220	B	20 W	7.5°C/W	Power Limited	0.10 to 0.50	1%	8.40	6.72	6.22	5.88
		TO-220	B	20 W	7.5°C/W	300 V	1 to 5	1%	7.20	5.76	5.33	5.04
MP820-Value	MP820-Value-Tol.	TO-220	B	20 W	7.5°C/W	300 V	10 to 10K	1%	5.58	4.46	4.13	3.90
MP925-Value	MP925-Value-Tol.	TO-220	C	25 W	5.0°C/W	500 V	5K to 100K	1%	3.55	2.84	2.63	2.49
MP930-Value	MP930-Value-Tol.	TO-220	C	30 W	4.17°C/W	Power Limited	0.02	5%	5.68	4.54	4.20	3.97
		TO-220	C	30 W	4.17°C/W	Power Limited	0.05	1%	5.68	4.54	4.20	3.97
		TO-220	C	30 W	4.17°C/W	Power Limited	0.1 to 0.5	1%	4.15	3.32	3.07	2.91
		TO-220	C	30 W	4.17°C/W	250 V	1 to 5	1%	9.95	3.16	2.92	2.77
		TO-220	C	30 W	4.17°C/W	250 V	10 to 2K	1%	3.55	2.84	2.63	2.49
MP2060-Value	MP2060-Value-Tol.	TO-220 Clip	D	18 W	6.94°C/W	Power Limited	0.005	5%	9.33	7.46	6.90	6.53
		TO-220 Clip	D	36 W	3.47°C/W	Power Limited	0.01	2%	9.33	7.46	6.90	6.53
		TO-220 Clip	D	60 W	2.08°C/W	Power Limited	0.02 to 0.05	1%	9.33	7.46	6.90	6.53
		TO-220 Clip	D	60 W	2.08°C/W	Power Limited	0.1 to 0.5	1%	8.33	6.66	6.16	5.83
		TO-220 Clip	D	60 W	2.08°C/W	250 V	1 to 5	1%	7.13	5.70	5.27	4.99
		TO-220 Clip	D	60 W	2.08°C/W	250 V	10 to 1K	1%	5.95	4.76	4.40	4.17
MP9100-Value	MP9100-Value-Tol.	TO-247	E	100 W	1.50°C/W	Power Limited	0.05	1%	12.10	9.68	8.98	8.47
		TO-247	E	100 W	1.50°C/W	Power Limited	0.1 to 0.5	1%	11.53	9.22	8.53	8.07
		TO-247	E	100 W	1.50°C/W	Power Limited	1 to 5	1%	10.65	8.52	7.88	7.46
		TO-247	E	100 W	1.50°C/W	Power Limited	10 to 20	1%	9.75	7.80	7.22	6.83
		TO-247	E	100 W	1.50°C/W	Power Limited	25 to 100	1%	8.88	7.10	6.57	6.21

MP725 D-PACK STYLE

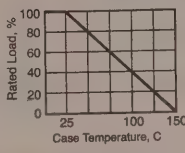
Features:
- Non-Inductive Design
- Values as Low as 0.020 Ohm
- Resistor Electrically Isolated from Heat Sink

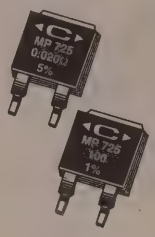
Specifications:
- Power Rating: 25 W at +25°C Case Temp. (see Derating Note for Power Rating)
- Temp. Coeff. ΔR taken at +150°C, ref to +25°C
  0.50 ohm to 1.00 K ohm: -20 to +80 ppm/°C
  0.050 ohm to 0.49 ohm: 0 to +200 ppm/°C
  0.020 ohm to 0.049 ohm: 0 to +300 ppm/°C

***Derating Note: The case temperature is to be used for purposes of establishing the maximum applied power. See Derating Curve.** The case temperature measurement is made on the metal mounting tab against the molded body. Derate appropriately for the ambient temperature range, the thermal resistance of the mounting surface, and the temperature limitations of the adjacent materials (such as glass epoxy). The Thermal Resistance (film to case) is 5.00°C/W. For additional technical information refer to the Applications Note at www.caddock.com. Power dissipation is 2.5 watts, at an ambient temperature of 25°C, when mounted on a standard pcb (ex. FR-4 or G-10) with double sided copper board (2 ounce) 1 inch X 1 inch X .063 inch (thick).

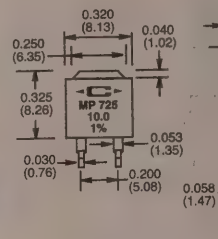
Soldering Note: The case temperature of the MP725 should not exceed +219°C during reflow soldering or any other soldering process. See the applications note at www.caddock.com for more information.

Derating Curve:

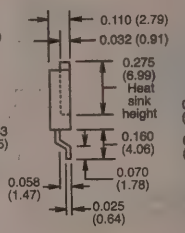


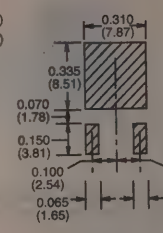


DIMENSIONS: IN and (mm)



Mechanical Outline





Solderable Contact Area

For quantities of 100 and up, call fo

Table of Values in (Ω)		
0.020	2	75
0.050	5	100
0.10	10	200
0.20	20	500
0.50	25	1K
1	50	

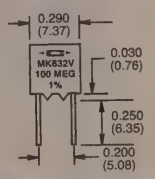
MOUSER STOCK NO.	Caddock Part No.	Case Style	*Power Rating	Thermal Res. (Film to Case)	Max. Operating Voltage ACrms	Ohm Range (See Table of Stocked Values)	Tol. ±	Price Each 1	10	25
684-MP725-Value	MP725-Value-Tol.	D-Pak Style	25 W	5.0°C/W	Power Limited	0.02	5%	6.85	5.48	5.07
		D-Pak Style	25 W	5.0°C/W	Power Limited	0.05	1%	6.85	5.48	5.07
		D-Pak Style	25 W	5.0°C/W	Power Limited	0.1 to 0.5	1%	5.05	4.04	3.74
		D-Pak Style	25 W	5.0°C/W	200 V	1 to 5	1%	4.80	3.84	3.55
		D-Pak Style	25 W	5.0°C/W	200 V	10 to 1K	1%	4.28	3.42	3.16

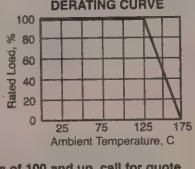
MK132V/ MK632V SERIES

Features:
- Non-Inductive Design
- Values from 1 ohm to 100 Meg
- Compact Footprint
- Can replace many RN Type Resistors

Specifications:
- Power: 0.75 W at +125°C
- Voltage: 400V at +125°C
- Temp. Coeff. -15°C to +105°C, ref. +25°C
  5 ohm to 5 Meg: ±50 ppm/°C
  10 Meg to 100 Meg: ±80 ppm/°C
  1 ohm to 2 ohm: ±200 ppm/°C

Table of Values in (Ω)			
1	200	50K	10M
2	500	100K	20M
5	1K	200K	50M
10	2K	500K	100M
20	5K	1M	
50	10K	2M	
100	20K	5M	





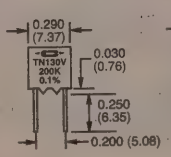
For quantities of 100 and up, call for quote.

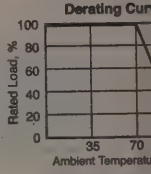
MOUSER STOCK NO.	Ohm Range (See Table of Stocked Values)	Tol. ±	Price Each 1	10	25	50
684-MK132V-Value	1 to 20	1%	6.53	5.22	4.83	4.57
	50	1%	4.10	3.28	3.03	2.87
	100 to 50K	1%	3.40	2.72	2.52	2.38
	100K to 500K	1%	4.10	3.28	3.03	2.87
	1M to 5M	1%	5.30	4.24	3.92	3.71
684-MK632V-Value	10M	1%	5.63	4.50	4.16	3.94
	20M to 100M	1%	6.80	5.44	5.03	4.76

TN130V SERIES

Features:
- Non-Inductive Design
- Values from 1K ohm to 1M
- Compact Footprint

Specifications:
- Power Rating: 0.30W at +70°C
- Voltage Rating: 200V at +70°C
- Temp. Coeff. ± 10 ppm/°C
  ΔR taken at 0°C and +70°C, ref. to +25°C





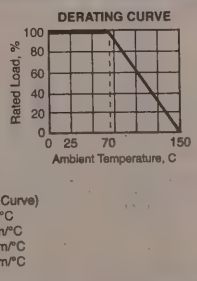
For quantities of 100 and up, call fo

MOUSER STOCK NO.	Caddock Part No.	Price Each 1	10	25
684-TN130V-1K	TN130V-1K-0.1%-10ppm	6.95	5.56	5.14
684-TN130V-2K	TN130V-2K-0.1%-10ppm	6.95	5.56	5.14
684-TN130V-5K	TN130V-5K-0.1%-10ppm	6.95	5.56	5.14
684-TN130V-10K	TN130V-10K-0.1%-10ppm	6.95	5.56	5.14
684-TN130V-20K	TN130V-20K-0.1%-10ppm	6.95	5.56	5.14
684-TN130V-50K	TN130V-50K-0.1%-10ppm	6.95	5.56	5.14
684-TN130V-100K	TN130V-100K-0.1%-10ppm	8.00	6.40	5.92
684-TN130V-200K	TN130V-200K-0.1%-10ppm	9.03	7.22	6.68
684-TN130V-500K	TN130V-500K-0.1%-10ppm	10.40	8.32	7.70
684-TN130V-1M	TN130V-1Meg-0.1%-10ppm	11.78	9.42	8.71

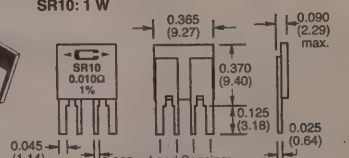
SR SERIES

Features:
- Non-Inductive Design.
- Kelvin (4 wire) Leads
- Excellent Long Term Stability
- Compact Footprint
- Values as low as 0.008 ohm ±1%

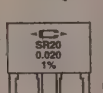
Specifications:
- Power Rating: SR10: 1 W at +70°C,
  SR20:2 Watts at +70°C (See Dearting Curve)
- Temp. Coeff. -15°C to +105°C, ref. +25°C
  0.10 ohm to 1.00 ohm: -50 to +100 ppm/°C
  0.025 ohm to 0.075 ohm: 0 to +150 ppm/°C
  0.008 ohm to 0.020 ohm: 0 to +200 ppm/°C

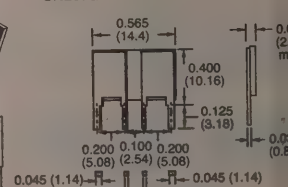


SR10: 1 W



SR20: 2 Watt





Model: SR10

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Caddock Part No.	Ohm Range	Tol. ±	Price Each 1	10	25	50
684-SR10-0.008	SR10-0.008-1%	0.008 ohm	1%	3.90	3.12	2.89	2.73
684-SR10-0.01	SR10-0.010-1%	0.010 ohm	1%	3.90	3.12	2.89	2.73
684-SR10-0.02	SR10-0.020-1%	0.020 ohm	1%	3.40	2.72	2.52	2.38
684-SR10-0.05	SR10-0.050-1%	0.050 ohm	1%	3.40	2.72	2.52	2.38
684-SR10-0.1	SR10-0.10-1%	0.10 ohm	1%	3.40	2.72	2.52	2.38
684-SR10-0.2	SR10-0.20-1%	0.20 ohm	1%	3.40	2.72	2.52	2.38
684-SR10-0.5	SR10-0.50-1%	0.50 ohm	1%	3.40	2.72	2.52	2.38
684-SR10-1.0	SR10-1.00-1%	1.00 ohm	1%	3.40	2.72	2.52	2.38

Model: SR20

For quantities of 100 and up, call f

MOUSER STOCK NO.	Caddock Part No.	Ohm Range	Tol. ±	Price Each 1	10	25
684-SR20-0.008	SR20-0.008-1%	0.008 ohm	1%	5.88	4.70	4.35
684-SR20-0.01	SR20-0.010-1%	0.010 ohm	1%	5.88	4.70	4.35
684-SR20-0.02	SR20-0.020-1%	0.020 ohm	1%	5.10	4.08	3.77
684-SR20-0.05	SR20-0.050-1%	0.050 ohm	1%	5.10	4.08	3.77
684-SR20-0.1	SR20-0.10-1%	0.10 ohm	1%	5.10	4.08	3.77
684-SR20-0.2	SR20-0.20-1%	0.20 ohm	1%	5.10	4.08	3.77
684-SR20-0.5	SR20-0.50-1%	0.50 ohm	1%	5.10	4.08	3.77
684-SR20-1.0	SR20-1.00-1%	1.00 ohm	1%	5.10	4.08	3.77

OHMITE 5% SMD Wirewound Power Resistors - 1, 1.5, 2 and 3.5 W

OHMITE.

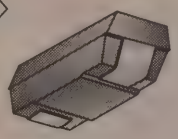
W SERIES

se low value surface mount power resistors are ideal for current sensing applications and reduce amount of space required by traditional power resistors. They offer higher power levels than ventional chip resistors. The body is molded with UL94V0 material rated at 205°C continuous. ible J-bend terminations reduce solder joint breakage due to thermal expansion and vibration.

ecifications:
olerance: 5%
ielectric strength: 1000V
exible J-bend terminations
mperature Coefficient: ±90ppm/°C

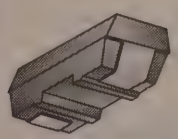
Wattage	Dimensions (IN)		
	L	H	W
1	.246	.136	.136
1.5	.394	.159	.159
2	.407	.222	.226
3.5	.811	.273	.273

A



Standard Pedestal Mount

B



Recessed-base Mount

Now Available On Reels

MOUSER STOCK NO. (Bulk)	Ohmite Part No.	Fig.	Value (Ω)	Maximum Voltage (V)	Price Each 1	50	100	250	Reel Part No.	Reel Price Each
Watt									Reel 2000	
8-RW1-.01	RW1S0BAR010J	A	0.010	50	1.92	1.86	1.70	1.59	588-RW1S0BAR010JT	1.36
8-RW1-.025	RW1S0BAR025J	A	0.025	50	1.92	1.86	1.70	1.59	588-RW1S0BAR025JT	1.36
8-RW1-.05	RW1S0BAR050J	A	0.050	50	1.92	1.86	1.70	1.59	588-RW1S0BAR050JT	1.36
8-RW1-.1	RW1S0BAR100J	A	0.100	50	2.33	2.22	2.06	1.91	588-RW1S0BAR100JT	1.65
8-RW1-.3	RW1S0BAR300J	A	0.300	50	2.33	2.22	2.06	1.91	588-RW1S0BAR300JT	1.65
8-RW1-.47	RW1S0BAR470J	A	0.470	50	2.33	2.22	2.06	1.91	588-RW1S0BAR470JT	1.65
Watts									Reel 1500	
8-RW1.5-.005	RW1S5CAR005J	A	0.005	75	1.70	1.60	1.50	1.39	588-RW1S5CAR005JT	1.20
8-RW1.5-.15	RW1S5CAR150J	A	0.150	75	2.24	2.11	1.98	1.83	588-RW1S5CAR150JT	1.58
Watts									Reel 1000	
8-RW2-.005	RW2S0CBR005J	A	0.005	100	1.68	1.58	1.49	1.38	588-RW2S0CBR005JT	1.19
8-RW2-.02	RW2S0CBR020J	A	0.020	100	1.68	1.58	1.49	1.38	588-RW2S0CBR020JT	1.19
8-RW2-.05	RW2S0CBR050J	A	0.050	100	1.68	1.58	1.49	1.38	588-RW2S0CBR050JT	1.19
8-RW2-.2	RW2S0CBR200J	A	0.200	100	2.13	2.01	1.89	1.75	588-RW2S0CBR200JT	1.51
Watts									Reel 750	
8-RW3.5-.05	RW3R5EAR050J	B	0.050	350	2.13	2.01	1.89	1.75	588-RW3R5EAR050JT	1.51
8-RW3.5-.2	RW3R5EAR200J	B	0.200	350	2.28	2.15	2.02	1.87	588-RW3R5EAR200JT	1.62

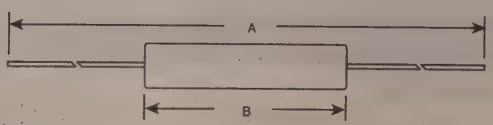
OHMITE 3% Current Sensing Resistors - 1/4 to 3 Watt

OHMITE.

SERIES

ures:
rewound performance
meproof

cifications:
terial: nichrome resistive element
uctance: <10nh



For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	Watts (W)	Ohms (Ω)	Dimensions (IN) A	B (Max.)	Lead Gauge	Price Each 1	50	100	250	500
603HR005	1/4	0.005	2.440	.155	24	.42	.36	.34	.29	.28
603HR050	1/4	0.050	3.685	.330	20	.42	.36	.34	.29	.28
604HR010	3/8	0.010	3.530	.250	22	.42	.36	.34	.29	.28
604HR020	3/8	0.020	3.530	.250	22	.42	.36	.34	.29	.28
604HR025	3/8	0.025	3.530	.250	22	.42	.36	.34	.29	.28
605HR010	1/2	0.010	3.685	.330	20	.42	.36	.34	.29	.28
605HR020	1/2	0.020	3.685	.330	20	.42	.36	.34	.29	.28
605HR030	1/2	0.030	3.685	.330	20	.42	.36	.34	.29	.28
605HR100	1/2	0.100	3.981	.700	18	.42	.36	.34	.29	.28
607HR050	3/4	0.050	3.587	.650	20	.42	.36	.34	.29	.28
607HR005	3/4	0.005	3.674	.320	20	.42	.36	.34	.29	.28
610HR005	1	0.005	3.587	.650	20	.42	.36	.34	.29	.28

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Watts (W)	Ohms (Ω)	Dimensions (IN) A	B (Max.)	Lead Gauge	Price Each 1	50	100	250	500
588-610HR010	1	0.010	3.587	.650	20	.42	.36	.34	.29	.28
588-610HR020	1	0.020	3.587	.650	20	.42	.36	.34	.29	.28
588-610HR030	1	0.030	3.587	.650	20	.42	.36	.34	.29	.28
588-610HR050	1	0.050	3.981	.750	18	.42	.36	.34	.29	.28
588-615HR010	1 1/2	0.010	3.981	.750	18	.42	.36	.34	.29	.28
588-615HR020	1 1/2	0.020	3.981	.750	18	.42	.36	.34	.29	.28
588-615HR030	1 1/2	0.030	3.981	.750	18	.42	.36	.34	.29	.28
588-620HR005	2	0.005	3.981	.650	18	.42	.36	.34	.29	.28
588-630HR010	3	0.010	3.000	.750	18	.42	.36	.34	.29	.28
588-630HR025	3	0.025	3.384	1.264	18	.42	.36	.34	.29	.28
588-630HR050	3	0.050	3.900	1.780	18	.42	.36	.34	.29	.28

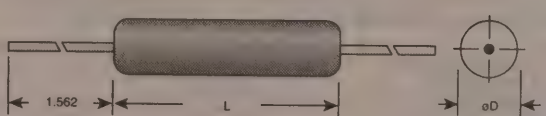
HMITE 1% Wire Element Resistors - 2, 3 and 5 Watt

OHMITE.

SERIES LO-MITE MOLDED SILICONE

ifications:
rload: 5 times rated wattage for 5 seconds
ectric withstanding voltage: 1000VRMS
W and 5W; 500VRMS for 2W
perature range: -55°C to 275°C

Features:
- Ideal for current sensing application
- Low inductance (non-inductive below .25Ω)



Wattage	Dimensions (IN) L	øD	Lead Gauge
2	.406	.094	20
3	.560	.205	20
5	.925	.330	18

tts

For quantities of 2000 and up, call for quote.

OUSER CK NO.	Value (Ω)	Price Each 1	10	100	250	500	1000
2FR005	0.005	1.56	1.41	1.25	1.17	1.15	1.12
2FR010	0.010	1.56	1.41	1.25	1.17	1.15	1.12
2FR020	0.020	1.56	1.41	1.25	1.17	1.15	1.12
2FR025	0.025	1.54	1.39	1.23	1.16	1.14	1.11
2FR050	0.050	1.45	1.31	1.16	1.09	1.07	1.04
2FR080	0.080	1.56	1.41	1.25	1.17	1.15	1.12
2FR100	0.100	1.70	1.53	1.36	1.28	1.26	1.23

3 Watts

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each 1	10	100	250	500	1000
588-13FR005	0.005	1.55	1.40	1.24	1.16	1.14	1.11
588-13FR010	0.010	1.46	1.31	1.17	1.10	1.08	1.04
588-13FR020	0.020	1.40	1.26	1.12	1.05	1.03	1.01
588-13FR025	0.025	1.40	1.26	1.12	1.05	1.03	1.01
588-13FR050	0.050	1.38	1.24	1.10	1.04	1.08	1.04
588-13FR070	0.070	1.55	1.40	1.24	1.16	1.14	1.11
588-13FR080	0.080	1.55	1.40	1.24	1.16	1.14	1.11
588-13FR100	0.100	1.55	1.40	1.24	1.16	1.14	1.11
588-13FR150	0.150	1.55	1.40	1.24	1.16	1.14	1.11
588-13FR200	0.200	1.55	1.40	1.24	1.16	1.14	1.11

5 Watts

For quantities of 2000 and up, call for quote.

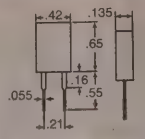
MOUSER STOCK NO.	Value (Ω)	Price Each 1	10	100	250	500	1000
588-15FR005	0.005	1.85	1.67	1.48	1.39	1.36	1.33
588-15FR010	0.010	1.79	1.61	1.43	1.34	1.31	1.28
588-15FR020	0.020	1.79	1.61	1.43	1.34	1.31	1.28
588-15FR025	0.025	1.79	1.61	1.43	1.34	1.31	1.28
588-15FR050	0.050	1.75	1.58	1.40	1.31	1.31	1.28
588-15FR080	0.080	1.72	1.55	1.38	1.29	1.27	1.24
588-15FR100	0.100	1.72	1.55	1.38	1.29	1.27	1.24
588-15FR200	0.200	1.72	1.55	1.38	1.29	1.27	1.24
588-15FR250	0.250	1.72	1.55	1.38	1.29	1.27	1.24

OHMITE TAH20P SERIES 20 WATT - TO220 STYLE

Features:
- High pulse tolerant design
- Non-Inductive design
- Resistor package is electrically isolated from heat sink
- Ready for use with snap-on style heat sinks

Specifications:
- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1800VAC
- Power rating: 20W @ 25°C
- Operating temperature range: -55°C to +175°C

Applications:
- Frequency conversion
- High Frequency balancing
- Snubbers



DIMENSIONS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each 1	25	100	250
588-TAH20P-.10	TAH20PR100J	0.10	5.92	5.58	5.38	4.57
588-TAH20P-.51	TAH20PR510J	0.51	5.92	5.58	5.38	4.57
588-TAH20P-1.0	TAH20P1R00J	1.0	5.30	4.58	4.39	3.73
588-TAH20P-1.5	TAH20P1R50J	1.5	5.30	4.58	4.39	3.73
588-TAH20P-10	TAH20P10R0J	10	5.30	4.58	4.39	3.73
588-TAH20P-15	TAH20P15R0J	15	5.30	4.58	4.39	3.73
588-TAH20P-33	TAH20P33R0J	33	5.30	4.58	4.39	3.73

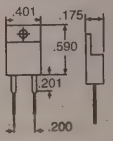
MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each 1	25	100	25
588-TAH20P-47	TAH20P47R0J	47	5.30	4.58	4.39	3.7
588-TAH20P-75	TAH20P75R0J	75	5.30	4.58	4.39	3.7
588-TAH20P-100	TAH20P100RJ	100	5.30	4.58	4.39	3.7
588-TAH20P-150	TAH20P150RJ	150	5.30	4.58	4.39	3.7
588-TAH20P-470	TAH20P470RJ	470	5.30	4.58	4.39	3.7
588-TAH20P-1K	TAH20P1K00J	1K	5.30	4.58	4.39	3.7
588-TAH20P-10K	TAH20P10K0J	10K	5.30	4.58	4.39	3.7

OHMITE TBH25P SERIES 25 WATT - TO220 STYLE

Features:
- Non-Inductive design
- Low Thermal Resistance
- Economically priced
- Designed for applications that require immediate heat sinkable power.

Specifications:
- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1000VDC
- Power rating: 25W @ 25°C
- Operating temperature range: -55°C to +150°C

Applications:
- Power supplies
- Industrial Controls
- Automotive Steering
- Snubber/Bleeder
- Pre-Load/Damping



DIMENSIONS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each 1	25	100	250
588-TBH25P-2.0	TBH25P2R00J	2.0	4.87	4.39	3.90	3.32
588-TBH25P-3.9	TBH25P3R90J	3.9	4.87	4.39	3.90	3.32
588-TBH25P-7.5	TBH25P7R50J	7.5	4.87	4.39	3.90	3.32
588-TBH25P-10	TBH25P10R0J	10	4.87	4.39	3.90	3.32
588-TBH25P-15	TBH25P15R0J	15	4.87	4.39	3.90	3.32
588-TBH25P-24	TBH25P24R0J	24	4.79	4.32	3.84	3.26
588-TBH25P-33	TBH25P33R0J	33	4.79	4.32	3.84	3.26
588-TBH25P-47	TBH25P47R0J	47	4.79	4.32	3.84	3.26

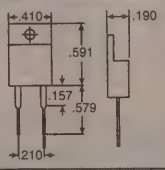
MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each 1	25	100	25
588-TBH25P-75	TBH25P75R0J	75	4.79	4.32	3.84	3.
588-TBH25P-100	TBH25P100RJ	100	4.79	4.32	3.84	3.
588-TBH25P-150	TBH25P150RJ	150	4.79	4.32	3.84	3.
588-TBH25P-240	TBH25P240RJ	240	4.79	4.32	3.84	3.
588-TBH25P-330	TBH25P330RJ	330	4.79	4.32	3.84	3.
588-TBH25P-470	TBH25P470RJ	470	4.79	4.32	3.84	3.
588-TBH25P-1K	TBH25P1K00J	1K	4.79	4.32	3.84	3.
588-TBH25P-1.5K	TBH25P1K50J	1.5K	4.79	4.32	3.84	3.

OHMITE TCH35P SERIES 35 WATT - TO220 STYLE

Features:
- Non-Inductive design
- Single screw mounting simplifies heat sink attachment
- Resistance element is electrically insulated from metal heat sink mounting tab

Specifications:
- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1800VAC
- Power rating: 35W @ 25°C
- Operating temperature range: -55°C to +150°C

Applications:
- Switching power supplies
- Snubbers
- High frequency
- Voltage regulation
- Low energy pulse loading



DIMENSION

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each 1	25	100	250
588-TCH35P-0.1	TCH35PR100J	0.1	7.46	6.72	6.21	5.28
588-TCH35P-0.24	TCH35PR240J	0.24	7.46	6.72	6.21	5.28
588-TCH35P-0.33	TCH35PR330J	0.33	7.46	6.72	6.21	5.28
588-TCH35P-0.39	TCH35PR390J	0.39	7.46	6.72	6.21	5.28
588-TCH35P-0.47	TCH35PR470J	0.47	7.46	6.72	6.21	5.28
588-TCH35P-0.51	TCH35PR510J	0.51	7.46	6.72	6.21	5.28
588-TCH35P-0.75	TCH35PR750J	0.75	7.46	6.72	3.25	3.18
588-TCH35P-1.0	TCH35P1R00J	1.0	5.66	5.10	4.71	4.00
588-TCH35P-1.5	TCH35P1R50J	1.5	5.66	5.10	4.71	4.00
588-TCH35P-2.4	TCH35P2R40J	2.4	5.66	5.10	4.71	4.00
588-TCH35P-3.3	TCH35P3R30J	3.3	5.66	5.10	4.71	4.00
588-TCH35P-3.9	TCH35P3R90J	3.9	5.66	5.10	4.71	4.00
588-TCH35P-4.7	TCH35P4R70J	4.7	5.66	5.10	4.71	4.00
588-TCH35P-5.1	TCH35P5R10J	5.1	5.66	5.10	4.71	4.00
588-TCH35P-7.5	TCH35P7R50J	7.5	5.66	5.10	4.71	4.00
588-TCH35P-10	TCH35P10R0J	10	5.66	5.10	4.71	4.00
588-TCH35P-15	TCH35P15R0J	15	5.66	5.10	4.71	4.00

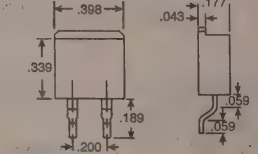
MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each 1	25	100	2
588-TCH35P-24	TCH35P24R0J	24	5.66	5.10	4.71	4
588-TCH35P-33	TCH35P33R0J	33	5.66	5.10	4.71	4
588-TCH35P-39	TCH35P39R0J	39	5.66	5.10	4.71	4
588-TCH35P-47	TCH35P47R0J	47	5.66	5.10	4.71	4
588-TCH35P-51	TCH35P51R0J	51	5.66	5.10	4.71	4
588-TCH35P-75	TCH35P75R0J	75	5.66	5.10	4.71	4
588-TCH35P-100	TCH35P100RJ	100	5.66	5.10	4.71	4
588-TCH35P-150	TCH35P150RJ	150	5.66	5.10	4.71	4
588-TCH35P-240	TCH35P240RJ	240	5.66	5.10	4.71	4
588-TCH35P-330	TCH35P330RJ	330	5.66	5.10	4.71	4
588-TCH35P-390	TCH35P390RJ	390	5.66	5.10	4.71	4
588-TCH35P-470	TCH35P470RJ	470	5.66	5.10	4.71	4
588-TCH35P-510	TCH35P510RJ	510	5.66	5.10	4.71	4
588-TCH35P-750	TCH35P750RJ	750	5.66	5.10	4.71	4
588-TCH35P-1K	TCH35P1K0J	1.0K	5.66	5.10	4.71	4
588-TCH35P-1.5K	TCH35P1K5J	1.5K	5.66	5.10	4.71	4
588-TCH35P-2K	TCH35P2K0J	2.0K	5.66	5.10	4.71	4

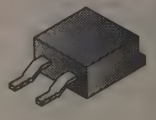
OHMITE TDH35P SERIES 35 WATT - TO220 STYLE

Features:
- TO220 style package configuration for surface mounting applications
- Molded case for environmental protection
- Resistor element is electrically insulated from the metal heat sink tab

Specifications:
- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1800VAC
- Power rating: 35W @ 25°C
- Operating temperature range: -55°C to +150°C
- Derating(thermal resistance): 0.23W/°K(4.28°K/W)

Applications:
- Switching power supplies
- Snubbers
- High frequency
- Voltage regulation
- Low energy pulse loading





DIMENSION

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each 1	25	100	250
588-TDH35P-0.1	TDH35PR100J	0.1	9.75	8.78	7.80	6.63
588-TDH35P-0.15	TDH35PR150J	0.15	9.75	8.78	7.80	6.63
588-TDH35P-0.47	TDH35PR470J	0.47	7.95	7.16	6.36	5.41
588-TDH35P-.75	TDH35PR750J	0.75	7.63	6.86	6.10	5.19
588-TDH35P-1.0	TDH35P1R00J	1.0	7.63	6.86	6.10	5.19
588-TDH35P-2.0	TDH35P2R00J	2.0	7.63	6.86	6.10	5.19
588-TDH35P-3.0	TDH35P3R00J	3.0	7.63	6.86	6.10	5.19
588-TDH35P-5.0	TDH35P5R00J	5.0	7.63	6.86	6.10	5.19
588-TDH35P-7.5	TDH35P7R50J	7.5	7.63	6.86	6.10	5.19
588-TDH35P-10	TDH35P10R0J	10	7.22	6.50	5.78	4.91
588-TDH35P-15	TDH35P15R0J	15	7.22	6.50	5.78	4.91

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each 1	25	100	
588-TDH35P-20	TDH35P20R0J	20	7.22	6.50	5.78	
588-TDH35P-25	TDH35P25R0J	25	7.22	6.50	5.78	
588-TDH35P-47	TDH35P47R0J	47	7.22	6.50	5.78	
588-TDH35P-100	TDH35P100RJ	100	7.22	6.50	5.78	
588-TDH35P-150	TDH35P150RJ	150	7.22	6.50	5.78	
588-TDH35P-300	TDH35P300RJ	300	7.22	6.50	5.78	
588-TDH35P-500	TDH35P500RJ	500	7.22	6.50	5.78	
588-TDH35P-1K	TDH35P1K00J	1.0K	7.22	6.50	5.78	
588-TDH35P-5K	TDH35P5K00J	5.0K	7.22	6.50	5.78	

HMITE 10% Ceramic Composition Resistors - 1 and 2 Watt

OHMITE.

/OY SERIES

OX/OY Series of fixed ceramic resistors are ideal for circuitry associated with surges, high peak power, or high energy. They offer enhanced performance in high-voltage power supplies, R-C snubber circuits, and inrush limiters. The Y resistors can often replace carbon composition resistors which can be difficult to source. They can often replace carbon composition resistors which can be difficult to source.

URES:
- places 1 and 2 watt carbon composition resistors
- ets high energy density demands
- h peak power

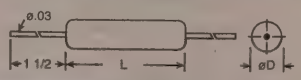
cifications:
- wer Rating: Based on 70°C free air rating
- sistance tolerance: ±10%
- mp. coefficient: -1300 ±300ppm/°C

Materials:
- Terminals: Solder-coated axial leads
- Coating: UL-94 V0 approved silicone
- Derating: Linear from 100% @ +70°C to 0% @ +200°C

✻ Available in OY series only

Table of Values for OX and OY Series in (Ω)

3	22	47	220	820	3.3K	12K	27K	100K
	27	68	330	1K	4.7K	15K	33K	✻ 220K
	33	100	470	1.5K	5.6K	18K	47K	✻ 1M
	39	150	680	2.2K	10K	22K	68K	



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dielectric Withstanding	Dimensions (IN)		Price Each		
			L	øD	1	100	1000
OX, 1 Watt							
588-OX-Value	3.3 ~ 100K	500	0.748	0.256	.77	.62	.51
OY, 2 Watts							
588-OY-Value	3.3 ~ 100	700	0.886	0.315	1.00	.80	.65
588-OY-Value	150 ~ 100K	700	0.886	0.315	.94	.75	.63
588-OY-Value	220K ~ 1M	700	0.886	0.315	1.09	.87	.72

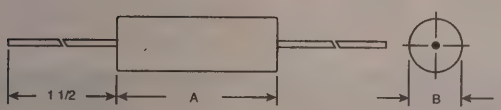
HMITE 5% Vitreous Enamel Coated Resistors - 3, 5 and 10 Watt

OHMITE.

SERIES AXIAL LEAD WIREWOUND RESISTORS

ures:
- amel coating
- lded terminations
- w temperature coefficient

Specifications:
- Resistance tolerance: ±5%
- Temperature coefficient 0.1 to 7.5Ω: ±50 ppm
  10Ω and over: ±30 ppm
- For units below 1Ω, add 15% to body diameter, 10% to body length



values not available in all sizes

Table of Values 20 Series in (Ω)

	1	12	33	75	220	400	820	2.2K	4.5K	9K
3	1.5	15	35	82	225	450	900	2.5K	4.7K	10K
5	2	18	39	100	250	500	1K	2.7K	5K	12K
	3	20	40	120	270	560	1.1K	3K	6K	15K
	4	22	47	125	300	600	1.2K	3.3K	6.8K	20K
3	5	25	50	150	330	680	1.5K	3.5K	7K	22K
	7.5	27	56	180	350	750	1.8K	3.9K	7.5K	25K
5	10	30	68	200	390	800	2K	4K	8K	

3 Watts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions: In		Price Each			
		A	B	1	50	100	250
588-23J-VALUE	0.1 - 0.33	0.5	0.22	1.82	1.55	1.37	1.18
588-23J-VALUE	0.5 - 7.5	0.5	0.22	1.20	1.02	.90	.78
588-23J-VALUE	10 - 82	0.5	0.22	1.07	.91	.80	.70
588-23J-VALUE	100 - 450	0.5	0.22	.97	.82	.73	.63
588-23J-VALUE	470 - 900	0.5	0.22	1.06	.90	.80	.69
588-23J-VALUE	1K - 4.7K	0.5	0.22	1.44	1.22	1.08	.94
588-23J-VALUE	5K - 7K	0.5	0.22	1.85	1.57	1.39	1.20
588-23J-VALUE	7.5K - 10K	0.5	0.22	2.15	1.83	1.61	1.40

5 Watts

588-25J-VALUE	0.1 - 7.5	0.91	0.28	1.50	1.28	1.13	.98
588-25J-VALUE	10 - 82	0.91	0.28	1.37	1.16	1.03	.89
588-25J-VALUE	100 - 470	0.91	0.28	1.13	.96	.85	.73
588-25J-VALUE	500 - 900	0.91	0.28	1.32	1.12	.99	.86
588-25J-VALUE	1K - 4.7K	0.91	0.28	1.58	1.34	1.19	1.03
588-25J-VALUE	5K - 9K	0.91	0.28	1.99	1.69	1.49	1.29
588-25J-VALUE	10K - 15K	0.91	0.28	2.20	1.87	1.65	1.43
588-25J-VALUE	20K - 25K	0.91	0.28	2.60	2.21	1.95	1.69

10 Watts

588-20J-VALUE	0.1 - 7.5	1.84	0.35	1.96	1.67	1.47	1.27
588-20J-VALUE	10 - 82	1.84	0.35	1.78	1.51	1.34	1.16
588-20J-VALUE	100 - 900	1.84	0.35	1.62	1.38	1.22	1.05
588-20J-VALUE	1K - 2.5K	1.84	0.35	1.94	1.65	1.46	1.26
588-20J-VALUE	3K - 4.7K	1.84	0.35	2.21	1.88	1.66	1.44
588-20J-VALUE	5K - 9K	1.84	0.35	2.53	2.15	1.90	1.64
588-20J-VALUE	10K - 20K	1.84	0.35	2.88	2.45	2.16	1.87
588-20J-VALUE	25K	1.84	0.35	3.25	2.76	2.44	2.11

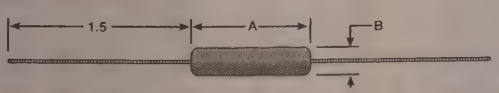
HMITE 5% High Energy Wire Wound Resistors - 3, 5 and 10 Watt

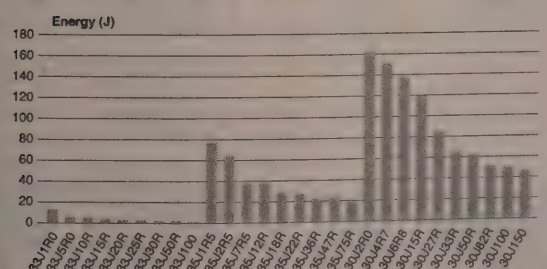
OHMITE.

SERIES HIGH ENERGY WIREWOUND RESISTORS

e Manufacturing's family of High Energy Wirewound Resistors employ special winding techniques to maximize the e joule rating of each resistor. Ohmite High Energy Wirewounds are hand wound in order to maintain the tightest le pitch (space between windings) and thereby maximize the mass of the resistive element

ttage	VAC	Dimensions: In		Lead Gauge
		A	B	
3	200	0.593	0.218	20
5	460	0.937	0.343	18
0	1000	1.842	0.406	18





3 Watts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Values (Ω)	Price Each			
		1	10	50	100
588-33J-1	1	1.08	.89	.79	.74
588-33J-5	5	1.08	.89	.79	.74
588-33J-10	10	1.08	.89	.79	.74
588-33J-15	15	1.08	.89	.79	.74
588-33J-20	20	1.08	.89	.79	.74
588-33J-25	25	1.08	.89	.79	.74
588-33J-30	30	1.08	.89	.79	.74
588-33J-50	50	1.08	.89	.79	.74
588-33J-100	100	1.08	.89	.79	.74

5 Watts

588-35J-1.5	1.5	1.22	1.00	.87	.84
588-35J-2.5	2.5	1.22	1.00	.87	.84
588-35J-7.5	7.5	1.22	1.00	.87	.84
588-35J-12	12	1.22	1.00	.87	.84
588-35J-18	18	1.22	1.00	.87	.84
588-35J-22	22	1.22	1.00	.87	.84
588-35J-36	36	1.22	1.00	.87	.84
588-35J-47	47	1.22	1.00	.87	.84
588-35J-75	75	1.22	1.00	.87	.84

10 Watts

588-30J-2	2	1.58	1.30	1.16	1.09
588-30J-4.7	4.7	1.58	1.30	1.16	1.09
588-30J-6.8	6.8	1.58	1.30	1.16	1.09
588-30J-15	15	1.58	1.30	1.16	1.09
588-30J-27	27	1.58	1.30	1.16	1.09
588-30J-33	33	1.58	1.30	1.16	1.09
588-30J-50	50	1.58	1.30	1.16	1.09
588-30J-82	82	1.58	1.30	1.16	1.09
588-30J-100	100	1.58	1.30	1.16	1.09
588-30J-150	150	1.58	1.30	1.16	1.09

OHMITE 1% Silicone Coated Wirewound - 1, 3, and 5 Watt

40 SERIES

Features:
- Welded construction
- Silicone coating and molding

Specifications:
- Resistance tolerance: ±1%
- Dielectric strength:1000V
- Insulation resistance: 1000MΩ
- Temperature coefficient: 1-3W, 50ppm / 5W, 20ppm

Cross Reference Chart

Ohmite	Clarostat	Huntington
41F	SC1A	ALSR-1
43F	SC3D	ALSR-3
45F	SC5E	ALSR-5

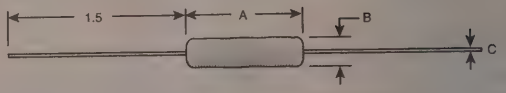


Table of Values in (Ω)

0.1	0.5	5.0	22	50	150	330	750	3K	8K
0.13	0.75	7.5	25	56	180	350	1K	3.9K	10K
0.15	1.0	10	27	68	200	470	1.2K	4K	12.5K
0.2	1.5	12	30	75	220	500	1.5K	4.7K	15K
0.25	2.0	15	33	82	250	560	2K	5K	20K
0.3	3.0	18	39	100	270	600	2.2K	6.8K	25K
0.33	4.0	20	40	120	300	680	2.5K	7.5K	

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions (IN) max.			Price Each			
		A	B	C	1	25	100	250
1 Watt								
588-41F-Value	0.1 - 0.75	.44	.13	24 Ga.	2.30	1.96	1.73	1.50
588-41F-Value	1.0 - 7.5	.44	.13	24 Ga.	2.22	1.89	1.67	1.44
588-41F-Value	10-82	.44	.13	24 Ga.	1.92	1.63	1.44	1.25
588-41F-Value	100 - 470	.44	.13	24 Ga.	2.15	1.83	1.61	1.40
588-41F-Value	500 - 900	.44	.13	24 Ga.	2.38	2.02	1.79	1.55
588-41F-Value	1K - 1.5K	.44	.13	24 Ga.	2.71	2.30	2.03	1.76
588-41F-Value	2K - 3K	.44	.13	24 Ga.	3.26	2.77	2.45	2.12

For quantities of 500 and up, call for

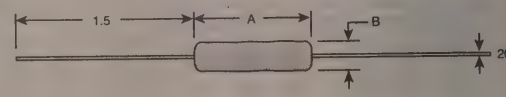
MOUSER STOCK NO.	Range of Values (Ω)	Dimensions (IN) max.			Price Each		
		A	B	C	1	25	100
3 Watt							
588-43F-Value	0.1 - 0.75	.59	.22	20 Ga.	1.76	1.50	1.32
588-43F-Value	1.0 - 7.5	.59	.22	20 Ga.	1.40	1.19	1.05
588-43F-Value	10-82	.59	.22	20 Ga.	1.14	.97	.86
588-43F-Value	100 - 750	.59	.22	20 Ga.	1.04	.88	.78
588-43F-Value	1K - 1.5K	.59	.22	20 Ga.	1.19	1.01	.89
588-43F-Value	2K - 2.5K	.59	.22	20 Ga.	1.58	1.34	1.19
588-43F-Value	3K - 4.7K	.59	.22	20 Ga.	1.91	1.62	1.43
588-43F-Value	5K - 6.8K	.59	.22	20 Ga.	2.30	1.96	1.73
588-43F-Value	7.5K - 10K	.59	.22	20 Ga.	2.38	2.02	1.79
5 Watt							
588-45F-Value	0.1 - 0.75	.94	.34	18 Ga.	1.97	1.67	1.48
588-45F-Value	1.0 - 7.5	.94	.34	18 Ga.	1.37	1.16	1.03
588-45F-Value	10-82	.94	.34	18 Ga.	1.19	1.01	.89
588-45F-Value	100 - 750	.94	.34	18 Ga.	1.14	.97	.86
588-45F-Value	1K - 2.5K	.94	.34	18 Ga.	1.32	1.12	.99
588-45F-Value	3K - 6.8K	.94	.34	18 Ga.	1.54	1.31	1.16
588-45F-Value	7.5K - 8K	.94	.34	18 Ga.	2.02	1.72	1.52
588-45F-Value	10K - 15K	.94	.34	18 Ga.	2.14	1.82	1.61
588-45F-Value	20K - 25K	.94	.34	18 Ga.	2.65	2.25	1.99

OHMITE 5% Vitreous Enamel Molded Wirewound - 3 1/4, 5, and 11 Watt

90 SERIES

Features:
- Molded construction provides consistent shape and size (permits mounting in clips which extends power rating)
- Flame resistant lead free vitreous enamel coating
- All welded construction
- Ready for use with snap-on style heat sinks

Specifications:
- Resistance tolerance: 5%
- Overload:
  3 and 5 watts: 5 times rated wattage for 5 seconds
  11 watts: 10 times rated wattage for 5 seconds
- Dielectric withstanding voltage: 1000 VAC



For quantities of 1000 and up, call for quote.

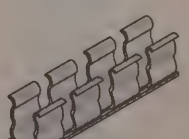
MOUSER STOCK NO.	Values (Ω)	Dimensions (IN)		Price Each				
		A	B	1	25	100	250	500
3 1/4 Watt								
588-93J1R0	1.0	.56	.23	1.93	1.54	1.50	1.45	1.40
588-93J2R0	2.0	.56	.23	1.93	1.54	1.50	1.45	1.40
588-93J5R0	5.0	.56	.23	1.93	1.54	1.50	1.45	1.40
588-93J10R	10	.56	.23	1.62	1.30	1.27	1.21	1.18
588-93J50R	50	.56	.23	1.62	1.30	1.27	1.21	1.18
588-93J100	100	.56	.23	1.62	1.30	1.27	1.21	1.18
588-93J200	200	.56	.23	1.62	1.30	1.27	1.21	1.18
588-93J500	500	.56	.23	2.05	1.75	1.64	1.54	1.48
588-93J750	750	.56	.23	2.05	1.75	1.64	1.54	1.48
588-93J1K0	1K	.56	.23	2.36	1.95	1.89	1.83	1.77
588-93J2K0	2K	.56	.23	2.36	1.95	1.89	1.83	1.77
588-93J5K0	5K	.56	.23	3.31	2.95	2.65	2.48	2.39
588-93J10K	10K	.56	.23	3.31	2.95	2.65	2.48	2.39
5 Watt								
588-95J1R0	1.0	.95	.23	2.71	2.49	1.84	1.79	1.72
588-95J2R0	2.0	.95	.23	2.71	2.49	1.84	1.79	1.72
588-95J5R0	5	.95	.23	2.71	2.49	1.84	1.79	1.72
588-95J10R	10	.95	.23	2.04	1.94	1.63	1.59	1.53
588-95J33R	33	.95	.23	2.04	1.94	1.63	1.59	1.53
588-95J50R	50	.95	.23	2.04	1.94	1.63	1.59	1.53
588-95J100	100	.95	.23	2.04	1.94	1.63	1.59	1.53
588-95J200	200	.95	.23	2.04	1.94	1.63	1.59	1.53
588-95J500	500	.95	.23	2.46	2.26	1.97	1.92	1.85
588-95J600	600	.95	.23	2.46	2.26	1.97	1.92	1.85

For quantities of 1000 and up, call fo

MOUSER STOCK NO.	Values (Ω)	Dimensions (IN)		Price Each			
		A	B	1	25	100	250
5 Watt (cont.)							
588-95J750	750	.95	.23	2.46	2.26	1.97	1.92
588-95J1K0	1K	.95	.23	2.40	2.20	2.03	2.01
588-95J2K0	2K	.95	.23	2.40	2.20	2.03	2.01
588-95J5K0	5K	.95	.23	4.05	3.64	3.24	3.16
588-95J10K	10K	.95	.23	4.05	3.64	3.24	3.16
588-95J15K	15K	.95	.23	4.05	3.64	3.24	3.16
588-95J20K	20K	.95	.23	4.58	4.16	3.88	3.79
11 Watt							
588-90J1R0	1.0	1.80	.34	3.38	3.02	2.78	2.54
588-90J2R7	2.7	1.80	.34	3.38	3.02	2.78	2.54
588-90J3R9	3.9	1.80	.34	3.10	2.76	2.55	2.32
588-90J5R0	5.0	1.80	.34	3.10	2.76	2.55	2.32
588-90J7R5	7.5	1.80	.34	3.10	2.76	2.55	2.32
588-90J10R	10	1.80	.34	3.10	2.76	2.55	2.32
588-90J20R	20	1.80	.34	3.10	2.76	2.55	2.32
588-90J47R	47	1.80	.34	3.10	2.76	2.55	2.32
588-90J50R	50	1.80	.34	3.10	2.76	2.55	2.32
588-90J100	100	1.80	.34	3.10	2.76	2.55	2.32
588-90J120	120	1.80	.34	3.10	2.76	2.55	2.32
588-90J2K0	2K	1.80	.34	3.90	3.48	3.20	2.92
588-90J5K0	5K	1.80	.34	5.15	4.55	4.25	3.86
588-90J20K	20K	1.80	.34	5.84	5.14	4.81	4.60
588-90J27K	27K	1.80	.34	5.84	5.14	4.81	4.60
588-90J50K	50K	1.80	.34	5.84	5.14	4.81	4.60

RESISTOR MOUNTING CLIPS

Features:
- Prevents severe vibration or mechanical shock to resistor
- Increase resistor wattage up to 100% when mounted on a metal surface
- Holes in clip base permit fastening to chassis with machine screws, eyelets or rivets



For quantities of 250 and up, call

MOUSER STOCK NO.	Mounting Clip For	Dimensions (IN)			Price Each	
		L	W	H	1	10
588-5904	93J series	.50	.26	.319	1.60	1.43
588-5906	95J series	.90	.24	.284	1.20	1.08
588-5908	90J series	1.75	.33	.377	1.20	1.10

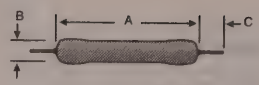
OHMITE 1% Metal Oxide Axial High Voltage Resistors

NI-MOX SERIES

tures:
ide resistance ranges
ilicone or epoxy coating
etal oxide resistive element
orks well in precision circuits

Specifications:
- Resistance Tolerance: 1%
- Voltage Rating: 1KV to 5KV
- Power Rating: .5W to 1W @ 25°C
- Operating Temperature Range: -55°C to +220°C

Applications:
- Avionics
- Medical electronics
- High gain feedback applications
- Current pulse limiters
- Vacuum and space application



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Power @ 25°C	Dimensions (IN)			Lead Dia. (IN)	Price Each				
				A	B	C		1	10	50	100	250
V												
-MOX-300001004FE	MOX-300001004FE	1M	0.50W	0.354	0.13	1.3	0.030	3.25	2.87	2.07	1.80	1.52
-MOX-300002004FE	MOX-300002004FE	2M	0.50W	0.354	0.13	1.3	0.030	3.25	2.87	2.07	1.80	1.52
-MOX-300005004FE	MOX-300005004FE	5M	0.50W	0.354	0.13	1.3	0.030	3.25	2.87	2.07	1.80	1.52
-MOX-300001505FE	MOX-300001505FE	15M	0.50W	0.354	0.13	1.3	0.030	3.25	2.87	2.07	1.80	1.52
-MOX-300002505FE	MOX-300002505FE	25M	0.50W	0.354	0.13	1.3	0.030	4.23	2.99	2.25	1.86	1.82
-MOX-300005005FE	MOX-300005005FE	50M	0.50W	0.354	0.13	1.3	0.030	4.23	2.99	2.25	1.86	1.82
-MOX-300001506FE	MOX-300001506FE	150M	0.50W	0.354	0.13	1.3	0.030	4.23	2.99	2.25	1.86	1.82
-MOX-300002506FE	MOX-300002506FE	250M	0.50W	0.354	0.13	1.3	0.030	4.23	2.99	2.25	1.86	1.82
KV												
-MOX-400232504F	MOX-400232504F	2.5M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
-MOX-400235004F	MOX-400235004F	5M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
-MOX-400231505F	MOX-400231505F	15M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
-MOX-400232505F	MOX-400232505F	25M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
-MOX-400235005F	MOX-400235005F	50M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
-MOX-400231506F	MOX-400231506F	150M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
-MOX-400232006F	MOX-400232006F	200M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
-MOX-400235006F	MOX-400235006F	500M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
V												
-MOX-750232505F	MOX-750232505F	25M	1.00W	0.880	0.165	1.5	0.020	5.66	4.34	3.43	2.77	2.52
-MOX-750237505F	MOX-750237505F	75M	1.00W	0.880	0.165	1.5	0.020	5.66	4.34	3.43	2.77	2.52
-MOX-750231506F	MOX-750231506F	150M	1.00W	0.880	0.165	1.5	0.020	5.66	4.34	3.43	2.77	2.52
-MOX-750232506F	MOX-750232506F	250M	1.00W	0.880	0.165	1.5	0.020	5.66	4.34	3.43	2.77	2.52
-MOX-750237506F	MOX-750237506F	750M	1.00W	0.880	0.165	1.5	0.020	5.66	4.34	3.43	2.77	2.52
-MOX-750231007F	MOX-750231007F	1000M	1.00W	0.880	0.165	1.5	0.020	5.66	4.34	3.43	2.77	2.52

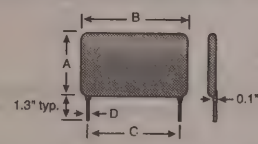
OHMITE 1% Metal Oxide Planar Resistors 1/2 Watt - 2.5 Watt

IM-MOX SERIES

ures:
h dielectric and low out gassing epoxy coating
r resistor noise
n inductive

Specifications:
- Resistance Tolerance: 1%
- Voltage Rating: 1KV to 20KV
- Power Rating Range: .5W to 2.5 watts @ 25°C
- Operating Temperature Range: -55°C to +110°C

Applications:
- High Voltage Power Supplies
- Medical Instrumentation
- Current pulse limiters
- Ionization Chambers



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Power @ 25°C	Dimensions (IN)				Price Each				
				A	B	C	D	1	10	50	100	250
SM101031003F	SM101031003F	100K	.5W	0.340	0.330	0.200	0.025	3.35	2.67	2.38	1.98	1.46
SM101031004F	SM101031004F	1M	.5W	0.340	0.330	0.200	0.025	3.35	2.67	2.38	1.98	1.46
SM101031504F	SM101031504F	1.5M	.5W	0.340	0.330	0.200	0.025	3.35	2.67	2.38	1.98	1.46
SM101035004F	SM101035004F	5M	.5W	0.340	0.330	0.200	0.025	3.35	2.67	2.38	1.98	1.46
SM101031505F	SM101031505F	15M	.5W	0.340	0.330	0.200	0.025	3.35	2.67	2.38	1.98	1.46
SM101035005F	SM101035005F	50M	.5W	0.340	0.330	0.200	0.025	3.35	2.67	2.38	1.98	1.46
V												
SM103031004F	SM103031004F	1M	1.25W	0.340	0.830	0.600	0.032	3.54	2.85	2.53	2.11	1.55
SM103035004F	SM103035004F	5M	1.25W	0.340	0.830	0.600	0.032	3.54	2.85	2.53	2.11	1.55
SM103032005F	SM103032005F	20M	1.25W	0.340	0.830	0.600	0.032	3.54	2.85	2.53	2.11	1.55
SM103031006F	SM103031006F	100M	1.25W	0.340	0.830	0.600	0.032	3.54	2.85	2.53	2.11	1.55
SM103031506F	SM103031506F	150M	1.25W	0.340	0.830	0.600	0.032	3.54	2.85	2.53	2.11	1.55
/												
SM106031004F	SM106031004F	1M	2.0W	0.340	1.580	1.400	0.032	4.20	3.29	2.93	2.44	1.88
SM106032004F	SM106032004F	2M	2.0W	0.340	1.580	1.400	0.032	4.20	3.29	2.93	2.44	1.88
SM106031006F	SM106031006F	100M	2.0W	0.340	1.580	1.400	0.032	4.20	3.29	2.93	2.44	1.88
SM106032006F	SM106032006F	200M	2.0W	0.340	1.580	1.400	0.032	4.20	3.29	2.93	2.44	1.88
SM106031007F	SM106031007F	1000M	2.0W	0.340	1.580	1.400	0.032	4.20	3.29	2.93	2.44	1.88
/												
SM108031003F	SM108031003F	100K	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
SM108035003F	SM108035003F	500K	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
SM108031004F	SM108031004F	1M	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
SM108035004F	SM108035004F	5M	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
SM108032005F	SM108032005F	20M	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
SM108037505F	SM108037505F	75M	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
SM108031506F	SM108031506F	150M	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
SM108031507F	SM108031507F	1500M	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21

OHMITE 5% Vitreous Enamel Resistors - 30, 40, and 55 Watt

250 SERIES STACKOHM

These oval-shaped ceramic core Stackohm resistors feature a low profile to permit installation in spaces with minimal height. They are also equipped with integral mounting brackets so they can be fastened to a chassis and stacked in locations with limited surface area. When properly fastened, the mounting brackets add a heat sinking benefit resulting in a smaller size per watt.

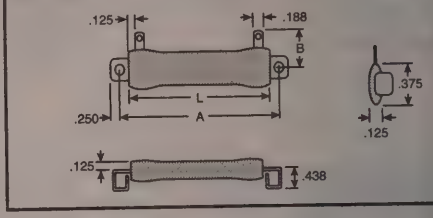
Features:

- Small size to power ratio
- Low profile and stackable
- Integral mounting bracket conducts heat to mounting surface
- All welded construction

Specifications:

- Tolerance: 5%
- Overload: 5 times rated wattage for 5 seconds
- Temperature Coefficient:
  1 to 20 Ω: ±400 ppm/°C
  Over 20Ω: ±260 ppm/°C
- Dielectric withstanding voltage: 1000 VAC

DIMENSIONS (IN)



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Values (Ω)	Dimensions (IN)		Price Each			
		A	B	1	10	25	50
30 Watt							
588-F30J1R0	1.0	2.00	1.25	12.00	11.52	11.04	10.56
588-F30J5R0	5.0	2.00	1.25	12.00	11.52	11.04	10.56
588-F30J15R	15	2.00	1.25	12.00	11.52	11.04	10.56
588-F30J25R	25	2.00	1.25	12.00	11.52	11.04	10.56
588-F30J50R	50	2.00	1.25	12.00	11.52	11.04	10.56
588-F30J100	100	2.00	1.25	12.15	11.66	11.18	10.70
40 Watt							
588-F40J1R0	1.0	2.75	2.00	12.35	11.86	11.36	10.87
588-F40J5R0	5.0	2.75	2.00	12.35	11.86	11.36	10.87
588-F40J25R	25	2.75	2.00	12.30	11.81	11.32	10.83
588-F40J50R	50	2.75	2.00	12.30	11.81	11.32	10.83

For quantities of 100 and up, call for q

MOUSER STOCK NO.	Values (Ω)	Dimensions (IN)		Price Each			
		A	B	1	10	25	5
40 Watt (cont.)							
588-F40J100	100	2.75	2.00	12.30	11.81	11.32	10
588-F40J500	500	2.75	2.00	12.30	11.81	11.32	10
588-F40J2K0	2K	2.75	2.00	12.30	11.81	11.32	10
588-F40J10K	10K	2.75	2.00	12.63	12.12	11.62	11
55 Watt							
588-F55J5R0	5.0	4.25	3.50	14.75	14.16	13.57	12
588-F55J25R	25	4.25	3.50	14.10	13.54	12.97	12
588-F55J50R	50	4.25	3.50	14.10	13.54	12.97	12
588-F55J100	100	4.25	3.50	14.43	13.85	13.27	12
588-F55J250	250	4.25	3.50	14.43	13.85	13.27	12

OHMITE Fixed and Adjustable Power Resistors - 300 Watt

280 SERIES CORRIB VITREOUS ENAMEL

Corrib resistors are ideal for applications involving high currents at very low resistance values. These large, heavy-duty resistors are designed to withstand frequent start-stop cycles characteristic of motor starting, dynamic braking, and other similar applications.

Features:

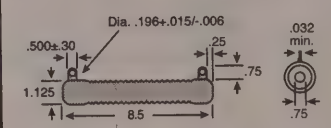
- Ribbed Construction aids in rapid cooling
- Designed for equipment requiring low resistance loads at low ohmic values and high current capacity
- Hollow-cored for secure attachment to chassis using thru bolts and brackets

Specifications:

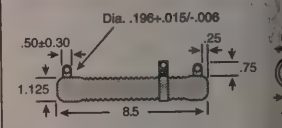
- Tolerance: 10%
- Temperature Coefficient: ± 400 ppm/°C
- Dielectric withstanding Voltage: 1000VAC
- Overload: 10 time rated wattage for 5 seconds

DIMENSIONS (IN)

Fixed



Adjustable



300 Watts Fixed

For quantities of 100 and up, call for quote.

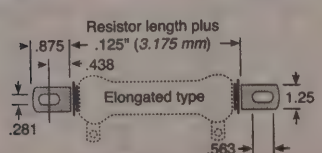
MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	10	25	50
588-C300KR10	C300KR10	0.1	33.75	28.69	27.01	25.32
588-C300KR12	C300KR12	0.12	31.18	26.51	25.43	23.84
588-C300KR20	C300KR20	0.2	27.93	23.74	22.35	20.96
588-C300KR50	C300KR50	0.5	25.59	21.76	20.48	19.20
588-C300K1R0	C300K1R0	1.0	22.90	19.47	18.32	17.18
588-C300K2R0	C300K2R0	2.0	21.18	18.01	16.94	15.89
588-C300K3R1	C300K3R1	3.1	21.18	18.01	16.94	15.89
588-C300K5R0	C300K5R0	5.0	20.22	17.19	16.18	15.17
588-C300K10R	C300K10R	10	19.49	16.56	15.60	14.63
588-C300K12R	C300K12R	12	19.49	16.56	15.60	14.63
588-C300K20R	C300K20R	20	19.49	16.56	15.60	14.63

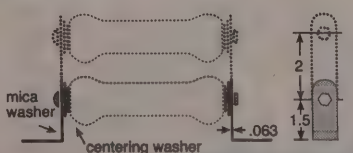
300 Watts Adjustable

For quantities of 100 and up, call for

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	10	25	
588-E300KR10	E300KR10	0.1	38.03	35.11	32.32	28
588-E300KR25	E300KR25	0.25	32.25	29.78	27.42	24
588-E300KR31	E300KR31	0.31	32.25	29.78	27.42	24
588-E300KR40	E300KR40	0.4	29.91	27.62	25.43	22
588-E300KR80	E300KR80	0.8	29.91	27.62	25.43	22
588-E300K1R6	E300K1R6	1.6	27.24	25.14	23.16	20
588-E300K2R5	E300K2R5	2.5	25.53	23.57	21.70	19
588-E300K4R0	E300K4R0	4.0	25.53	23.57	21.70	19
588-E300K6R3	E300K6R3	6.3	24.57	22.69	20.89	18
588-E300K8R0	E300K8R0	8.0	24.57	22.69	20.89	18
588-E300K16R	E300K16R	16	23.84	20.68	20.26	17
588-E300K20R	E300K20R	20	23.84	20.68	20.26	17

OHMITE RESISTOR MOUNTING BRACKET KIT





- Kit includes 2 each bracket, bolt, washers (centering, mica, lock) and nut.

For quantities of 100 and up, call fo

Mouser Part No.	Price Each		
	1	10	5
588-6128P-8.5	20.00	17.00	15.0

MOUSER ELECTRONICS a tti company

HMITE Fixed Vitreous Enamel Power Resistors - 8 Watt to 225 Watt

OHMITE.

SERIES LUG AND LEAD FIXED RESISTORS

ures:
ded terminals
ellent heat dissipation
ous enamel coated

Specifications:
- Resistance tolerance: > 1Ω: ±10%, < 1Ω: ±5%
- Temperature coefficient: < 5: ±260, > 5: ±400

s Reference Chart

mite	Clarostat	Huntington
8J	VPR5F	FVTS-5
12J	VPR10F	FVTS-10

DIMENSIONS (IN)

Series	A	B	C
B8J	1	1.5	5/16
B12J	1 3/4	1.5	5/16
B20J	2	1.5	5/16

TABLE OF STOCKED VALUES

1.0	7.5	25	100	250	500	3K	6K	20K
2.0	10	35	125	300	1K	3.5K	8K	25K
3.0	15	50	150	400	1.5K	4K	10K	40K
5.0	20	75	200	450	2K	5K	15K	50K

tts (Uses bracket 588-5)

For quantities greater than listed, call for quote.

OUSER OCK NO.	Range of Values (Ω)	Price Each 1	25	100	250
B8J-Value	1.0 - 7.5	2.88	2.59	2.30	2.02
B8J-Value	10 - 500	2.78	2.50	2.22	1.95
B8J-Value	1K - 1.5K	2.58	2.32	2.06	1.81
B8J-Value	2K - 5K	2.63	2.37	2.10	1.84
B8J-Value	10K - 15K	2.85	2.57	2.28	2.00
B8J-Value	20K	3.34	3.01	2.67	2.34

SERIES FIXED

ures:
ded terminals
ellent heat dissipation
ous enamel coated

Specifications:
- Resistance tolerance: ±5%
- Temperature coefficient: 1 to 20Ω, ±400 ppm; above 20Ω, ±260 ppm

Reference Chart

mite	Clarostat	Huntington
25J	VP25K	FVT-25
50J	VP50K	FVT-50
00J	VK100N	FVT-100
25J	VK200W	FVT-200

DIMENSIONS (IN)

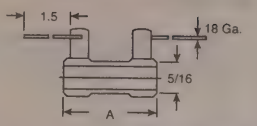
Series	A	B	C	D
L25J	9/16	1/4	2	9/16
L50J	9/16	1/4	4	9/16
L100J	3/4	1/4	6 1/2	9/16
L225J	1 1/8	5/16	10 1/2	5/8

TABLE OF STOCKED VALUES

4.0	15	75	200	750	2K	5K	15K	50K
5.0	25	100	250	1K	2.5K	7.5K	20K	100K
10	50	150	500	1.5K	3K	10K	25K	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Price Each 1	25	100
, 25 Watts Uses Bracket 588-9				
.25J-Value	1.0	4.66	3.96	3.26
.25J-Value	2.0 - 5.0	4.80	4.08	3.36
.25J-Value	10 - 750	4.57	3.88	3.20
.25J-Value	1K - 3K	4.79	4.07	3.35
.25J-Value	5K - 7.5K	4.84	4.11	3.39
.25J-Value	10K - 25K	5.80	4.93	4.06
.25J-Value	50K	6.23	5.30	4.36
.25J-Value	100K	6.65	5.65	4.66



12 Watts (Uses bracket 588-5)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Price Each 1	25	100	250
588-B12J-Value	1.0 - 7.5	2.78	2.50	2.22	1.95
588-B12J-Value	10 - 500	2.46	2.21	1.97	1.72
588-B12J-Value	1K - 1.5K	2.67	2.40	2.14	1.87
588-B12J-Value	2K - 3K	2.74	2.47	2.19	1.92
588-B12J-Value	5K - 8K	2.88	2.59	2.30	2.02
588-B12J-Value	10K - 15K	2.95	2.66	2.36	2.07
588-B12J-Value	20K - 40K	3.06	2.75	2.45	2.14
588-B12J-Value	50K	3.85	3.47	3.08	2.70

20 Watts (Uses bracket 588-7)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Price Each 1	25	100	250
588-B20J-Value	1.0 - 50	3.50	3.15	2.80	2.45
588-B20J-Value	75 - 1.5K	3.24	2.92	2.59	2.27
588-B20J-Value	5K - 10K	3.66	3.29	2.93	2.56
588-B20J-Value	15K - 25K	4.06	3.56	3.25	2.84

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Price Each 1	25	100
L50J, 50 Watts Uses Bracket 588-9				
588-L50J-Value	1.0	7.18	6.10	5.03
588-L50J-Value	2.0 - 5.0	6.73	5.72	4.71
588-L50J-Value	10 - 7.5K	6.56	5.58	4.60
588-L50J-Value	10K - 20K	6.98	5.93	4.89
588-L50J-Value	25K - 50K	9.90	8.42	6.93
588-L50J-Value	100K	10.12	8.60	7.08
L100J, 100 Watts Uses Bracket 588-12				
588-L100J-Value	1.0 - 2.0	9.88	8.40	7.41
588-L100J-Value	3.0 - 5.0	9.50	8.08	7.13
588-L100J-Value	10 - 75	9.00	7.65	6.75
588-L100J-Value	100 - 750	8.80	7.48	6.60
588-L100J-Value	1K - 7.5K	8.46	7.19	6.35
588-L100J-Value	10K - 25K	8.72	7.41	6.54
588-L100J-Value	50K	10.80	9.18	8.10
588-L100J-Value	100K	12.84	10.91	9.63
L225J, 225 Watts Uses Bracket 588-18				
588-L225J-Value	1.0	28.05	25.25	22.44
588-L225J-Value	3.0 - 5.0	16.25	14.63	13.00
588-L225J-Value	10 - 100	14.10	12.69	11.28
588-L225J-Value	150 - 750	13.45	12.11	10.76
588-L225J-Value	1K - 7.5K	13.00	11.70	10.40
588-L225J-Value	10K - 25K	13.50	12.15	10.80
588-L225J-Value	50K	15.00	13.50	12.00
588-L225J-Value	100K	15.80	14.22	12.64

HMITE Adjustable Vitreous Enamel Power Resistors - 12 Watt to 225

OHMITE.

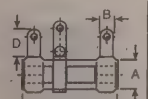
SERIES ADJUSTABLE

lications:
ance tolerance: ±10%

- Temperature coefficient: ±260ppm
- Vitreous enamel coated

Reference Chart

te	Clarostat	Huntington
K	VP10FA	AVT-12
K	VP25KA	AVT-25
K	VP50KA	AVT-50
K	VK100NA	AVT-100
K	VK200WA	AVT-200



DIMENSIONS (IN)

Series	A	B	C	D
D12K	5/16	3/16	1 3/4	7/16
D25K	9/16	1/4	2	9/16
D50K	9/16	1/4	4	9/16
D100K	3/4	1/4	6 1/2	9/16
D225K	1 1/8	5/16	10 1/2	5/8

For quantities greater than listed, call for quote.

)USER CK NO.	Range of Values (Ω)	Price Each 1	25	100
12 Watts Uses Bracket 588-5				
12K-Value	1.0, 2.0, 3.0, 5.0	7.65	6.50	5.36
12K-Value	10, 15, 20, 25, 50, 75, 100, 150, 200	7.57	6.43	5.30
12K-Value	250, 500, 750	7.83	6.66	5.48
2K-Value	1K, 1.5K, 2K, 2.5K, 3.5K	8.12	6.90	5.68
2K-Value	5K, 10K	8.29	7.05	5.80
25 Watts Uses Bracket 588-9				
25K-Value	1.0, 2.0	8.94	7.60	6.26
25K-Value	3.0, 5.0, 10, 15, 20, 25, 50, 75, 100, 150, 200, 250, 500	7.60	6.46	5.32
25K-Value	750, 1K, 1.5K, 2K, 2.5K, 3.5K	7.86	6.68	5.50
5K-Value	5K, 10K	8.30	7.06	5.81
5K-Value	25K	8.56	7.28	5.99

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Price Each 1	25	100
D50K, 50 Watts Uses Bracket 588-9				
588-D50K-Value	1.0, 2.0, 3.0	12.70	10.80	8.89
588-D50K-Value	5.0	12.47	10.60	8.73
588-D50K-Value	10, 25, 50,	10.87	9.24	7.61
588-D50K-Value	100, 250, 500, 750	10.87	9.24	7.61
588-D50K-Value	1K, 2K, 2.5K,	11.37	9.66	7.96
588-D50K-Value	5K, 10K, 25K	11.61	9.87	8.13
D100K, 100 Watts Uses Bracket 588-12				
588-D100K-Value	1.0	15.70	14.13	12.56
588-D100K-Value	2.0, 3.0, 5.0, 10	15.29	13.76	12.23
588-D100K-Value	25, 50, 100, 250, 500	13.74	12.37	10.99
588-D100K-Value	1K, 1.5K, 2.5K,	13.74	12.37	10.99
588-D100K-Value	10K, 25K	12.67	11.40	10.14

MOUSER STOCK NO.	Range of Values (Ω)	Price Each 1	10	25
D225K, 225 Watts Uses Bracket 588-18				
588-D225K-Value	1.0	32.44	31.50	29.20
588-D225K-Value	2.0, 3.0	27.52	26.72	24.77
588-D225K-Value	5.0	24.83	24.09	22.35
588-D225K-Value	10, 25, 50	22.11	21.44	19.90
588-D225K-Value	100, 250, 500, 1K, 10K	18.67	18.11	16.80

STOR MOUNTING BRACKETS

For quantities greater than listed, call for quote.

MOUSER OCK NO.	May Be Used With These Resistors	Price Each 1	10
	B8J, B12J, D12K	.32	.29
	B20J	.42	.34
	L25J, L50J, D25K, D50K	.29	.26

Requires 2 brackets per resistor.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	May Be Used With These Resistors	Price Each 1	10
588-12	L100J, D100K	.56	.53
588-18	L255J, D252K	.59	.56

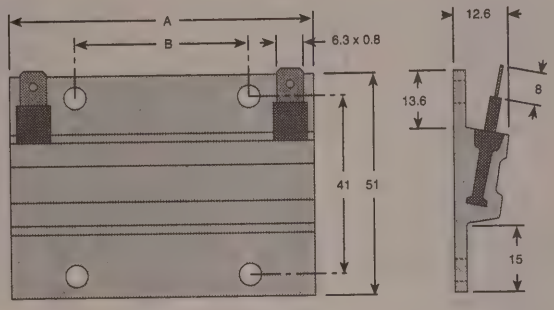
OHMITE Aluminum Housed Wirewound Resistors - 160 to 330 Watt

OHMITE WFH SERIES

Using Ohmite's flat-core winding technology, WFH wirewound resistors are housed in flat aluminum extrusions that support attachment of a heat sink. Allowing close mounting of heat-sensitive components to save pc-board space, the devices offer superior thermal-transfer characteristics compared with standard aluminum-housed wirewounds

Features:
- Solder, Cable and "Fast-On" Termination
- More resistors in one profile possible

Specifications:
- Power Rating: 12-300W
- Temperature Coefficient: normal 50ppm - 150ppm
- Working Voltage: 1200VAC
- Insulation: Silicone Rubber & Mica



Type	Dimensions: mm	
	A	B
WFH160	140	80
WFH230	210	2x80
WFH330	280	2x100

For quantities of 100 and up, call for q

160 Watt

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Tol.	Price Each 1	5	10	2
588-WFH160LR47K	WFH160LR47K	0.47	10%	34.25	30.02	28.71	2
588-WFH160L1R0K	WFH160L1R0K	1	10%	34.25	30.02	28.71	2
588-WFH160L2R0K	WFH160L2R0K	2	10%	34.25	30.02	28.71	2
588-WFH160L10RK	WFH160L10RK	10	10%	34.25	30.02	28.71	2
588-WFH160L27RJ	WFH160L27RJ	27	5%	32.63	28.58	27.35	2
588-WFH160L50RJ	WFH160L50RJ	50	5%	32.63	28.58	27.35	2
588-WFH160L75RJ	WFH160L75RJ	75	5%	32.63	28.58	27.35	2
588-WFH160L100J	WFH160L100J	100	5%	32.63	28.58	27.35	2
588-WFH160L150J	WFH160L150J	150	5%	32.63	28.58	27.35	2
588-WFH160L250J	WFH160L250J	250	5%	32.63	28.58	27.35	2
588-WFH160L1K0J	WFH160L1K0J	1K	5%	32.63	30.02	28.71	2
588-WFH160L5K0J	WFH160L5K0J	5K	5%	32.63	30.02	28.71	2
588-WFH160L10KJ	WFH160L10KJ	10K	5%	32.63	30.02	28.71	2

230 Watt

588-WFH230L1R0K	WFH230L1R0K	1	10%	44.25	38.76	37.09	3
588-WFH230L2R0K	WFH230L2R0K	2	10%	44.25	38.76	37.09	3
588-WFH230L5R0K	WFH230L5R0K	5	10%	44.25	38.76	37.09	3
588-WFH230L10RK	WFH230L10RK	10	10%	44.25	38.76	37.09	3
588-WFH230L27RJ	WFH230L27RJ	27	5%	42.13	36.90	35.31	3
588-WFH230L50RJ	WFH230L50RJ	50	5%	42.13	36.90	35.31	3
588-WFH230L75RJ	WFH230L75RJ	75	5%	42.13	36.90	35.31	3
588-WFH230L100J	WFH230L100J	100	5%	42.13	36.90	35.31	3
588-WFH230L150J	WFH230L150J	150	5%	42.13	36.90	35.31	3
588-WFH230L250J	WFH230L250J	250	5%	42.13	36.90	35.31	3
588-WFH230L1K0J	WFH230L1K0J	1K	5%	44.25	38.76	37.09	3
588-WFH230L1K5J	WFH230L1K5J	1.5K	5%	44.25	38.76	37.09	3
588-WFH230L2K5J	WFH230L2K5J	2.5K	5%	44.25	38.76	37.09	3

330 Watt

588-WFH330L1R0K	WFH330L1R0K	1	10%	52.78	46.23	44.24	4
588-WFH330L2R0K	WFH330L2R0K	2	10%	52.78	46.23	44.24	4
588-WFH330L10RK	WFH330L10RK	10	10%	52.78	46.23	44.24	4
588-WFH330L27RJ	WFH330L27RJ	27	5%	50.40	44.15	42.25	4
588-WFH330L50RJ	WFH330L50RJ	50	5%	50.40	44.15	42.25	4
588-WFH330L75RJ	WFH330L75RJ	75	5%	50.40	44.15	42.25	4
588-WFH330L100J	WFH330L100J	100	5%	50.40	44.15	42.25	4
588-WFH330L150J	WFH330L150J	150	5%	50.40	44.15	42.25	4
588-WFH330L250J	WFH330L250J	250	5%	50.40	44.15	42.25	4
588-WFH330L1K0J	WFH330L1K0J	1K	5%	52.78	46.23	44.24	4
588-WFH330L5K0J	WFH330L5K0J	5K	5%	52.78	46.23	44.24	4
588-WFH330L10KJ	WFH330L10KJ	10K	5%	52.78	46.23	44.24	4

OHMITE Heat Sinkable Planar Resistors - 600 Watt and 1000 Watt

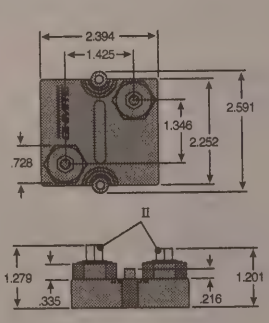
TAP 600 SERIES

The TAP600 series delivers 600 watts of reliable power to a variety of power conditioning, power transmission and power control applications. The TAP600 are designed for use in liquid, or air cooled heat sink systems used in variable speed drives, power supplies, robotics, motor control and control devices.

Features:
- Dielectric Strength: Up to 12KV
- Special design for low inductive and capacitance values
- Easy termination to contacts with M5 screws

Specifications:
- Tolerance: 10%
- Maximum Working Voltage: 5000VDC
- Operating temperaturea range: -55°C to +150°C
- Power rating: 600 watt@ 70°C (heat sink temp.)
- Temperature Coefficient: ± 150 PPM/°C
- Thermal Resistance: 8.73W/°C (0.115°C/W)

DIMENSIONS (IN)



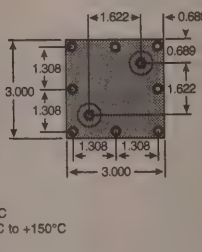
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each 1	10	25
588-TAP600K1R0	TAP600K1R0	1.0	103.00	80.39	73.69
588-TAP600K2R0	TAP600K2R0	2.0	103.00	80.39	73.69
588-TAP600K3R0	TAP600K3R0	3.0	103.00	80.39	73.69
588-TAP600K5R0	TAP600K5R0	5.0	103.00	80.39	73.69
588-TAP600K10R	TAP600K10R	10	103.00	80.39	73.69
588-TAP600K50R	TAP600K50R	50	103.00	80.39	73.69
588-TAP600K100	TAP600K100	100	103.00	80.39	73.69
588-TAP600K1K0	TAP600K1K0	1K	103.00	80.39	73.69
588-TAP600K10K	TAP600K10K	10K	103.00	80.39	73.69

TAP 1000 SERIES

The TAP1000 series delivers 1000 watts of continuous power with thick film on alumina substrate technology to 30% smaller, the TAP1000 is capable of 2 to 4 times the power dissipation of traditional heat sinkable resis technologies. Designed for use with liquid cooled heat sinks, TAP1000 resistors are capable of dissipating 10 watts of continuous power when properly mounted. Offering the highest power available in a heat sinkable package, the TAP1000 is well suited for power conditioning, power distribution, and power control application

DIMENSIONS (IN)



- Dissipates 1000 Watts@70°C
- High Energy Rating
- Low Inductance
- Resistor element electrically isolated
- High Dielectric strength (6KV)
- Small footprint
- Tolerance: 10%
- Maximum Working Voltage: 2000VDC
- Operating temperaturea range: -55°C to +150°C
- Power rating: 1000 watt@ 70°C
- Temperature Coefficient: ± 250 PPM/°C
- Thermal Resistance: 0.05°C/Watt

For quantities of 100 and up, call fo

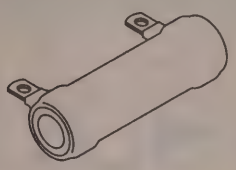
MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each 1	10	
588-TA1K0PH2R50K	TA1K0PH2R50K	2.5	115.00	85.00	7
588-TA1K0PH3R00K	TA1K0PH3R00K	3.0	115.00	85.00	7
588-TA1K0PH4R00K	TA1K0PH4R00K	4.0	115.00	85.00	7
588-TA1K0PH5R00K	TA1K0PH5R00K	5.0	115.00	85.00	7
588-TA1K0PH8R00K	TA1K0PH8R00K	8.0	115.00	85.00	7
588-TA1K0PH10R0K	TA1K0PH10R0K	10	115.00	85.00	7
588-TA1K0PH15R0K	TA1K0PH15R0K	15	115.00	85.00	7
588-TA1K0PH25R0K	TA1K0PH25R0K	25	115.00	85.00	7
588-TA1K0PH30R0K	TA1K0PH30R0K	30	115.00	85.00	7
588-TA1K0PH50R0K	TA1K0PH50R0K	50	115.00	85.00	7

SHAY / DALE 5% Wirewound Resistors - 25, 50, 100 and 225 Watt

SERIES SILICONE

rical Specifications:
stance tolerance: ±5%
perature coefficient:
PPM/°C, 1Ω to 9.9Ω
PPM/°C, 10Ω and above

rial Specifications:
: Steatite. Chemically inert,
withstand severe thermal
k and is impervious to
ture



Applications:
Inexpensive dissipation of larger amounts of power in DC or low frequency AC circuits. Special applications include grid resistors, voltage dropping resistors, high bleeder resistor in power supplies, bias supply resistors, voltage divider networks, filament dropping resistors, load resistors, and shunt resistors.

Adjustable types, styles, tapped, non-inductive, additional ohm values, wattages, tolerances and lead styles available. Call any Mouser Service Representative

DIMENSIONS (IN)

TABLE OF STOCKED VALUES				
1.0	15	150	750	10K
2.0	20	200	1.0K	15K
3.0	25	220	2.0K	20K
4.0	30	250	2.5K	25K
5.0	50	300	3.0K	50K
7.5	75	400	5.0K	100K
10	100	500	7.5K	150K

stor Mounting
kets

OUSER OCK NO.	Price Each
izontal Thru-Bolt	
01-25W	.74
01-50W	.74
02-100W	1.25
03-225W	2.26
h-in	
203-25W	.24
203-50W	.24
206-100W	.31
205-225W	.34

Series	A (Max.)	Core Dimensions			Terminal Setback	Standard Terminal Designation	Mounting Hardware Options
		Length ±1/16	O.D.	I.D. ±1/32			
HL-25	11/16	2	9/16	5/16	- - -	06	101, 203
HL-50	11/16	4	9/16	5/16	3/32	06	101, 203
HL-100	29/32	6 1/2	3/4	1/2	1/8	06	102, 206
HL-225	1 5/16	10 1/2	1 1/8	3/4	7/32	07	103, 205

MOUSER STOCK NO.	Range of Values (Ω)	Price Each				
		1	10	25	50	100+
HL25, 25 Watts						
71-HL25-06Z-Value	1.0 - 5.0K	2.18	1.96	1.80	1.64	Call for Quote
71-HL25-06Z-Value	7.5K - 10K	2.50	2.25	2.06	1.88	
71-HL25-06Z-Value	15K - 25K	2.72	2.45	2.24	2.04	
71-HL25-06Z-Value	50K - 100K	5.88	5.29	4.85	4.41	
HL50, 50 Watts						
71-HL50-06Z-Value	1.0 - 1.0K	3.38	3.04	2.79	2.54	Call for Quote
71-HL50-06Z-Value	2.0K - 15K	3.44	3.10	2.84	2.58	
71-HL50-06Z-Value	20K - 25K	3.70	3.33	3.05	2.78	
71-HL50-06Z-Value	50K - 100K	4.44	4.00	3.66	3.33	
HL100, 100 Watts						
71-HL100-06Z-Value	1.0 - 1.0K	6.64	5.98	5.48	4.98	Call for Quote
71-HL100-06Z-Value	2.0K - 25K	6.94	6.25	5.73	5.21	
71-HL100-06Z-Value	50K	7.60	6.84	6.27	5.70	
71-HL100-06Z-Value	100K	8.94	8.05	7.38	6.71	
HL225, 225 Watts						
71-HL225-07Z-Value	1.0 - 50K	11.16	10.04	9.21	8.37	Call
71-HL225-07Z-Value	100K - 150K	16.96	15.26	13.99	12.72	

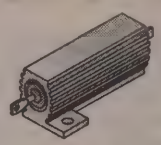
SHAY / DALE 1% Wirewound Power Resistors - 10, 25 and 50 Watt

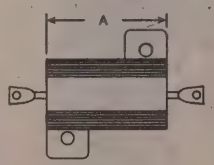
PE RH HEATSINK ENCASED

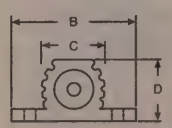
ures:
ded construction for total environmental protection
plete welded construction
nts on chassis to utilize heat-sink effect
inductive versions are available
watts rated up to 12.5 watts

ailable in RH-10.

Specifications:
- Resistance tolerance: ±1%
- Operating Temperature: -55°C to +200°C/ 5 cycles







DIMENSIONS (IN)

Series	A	B	C	D
RH-10	.750	.800	.420	.390
RH-25	1.062	1.080	.550	.546
RH-50	1.968	1.140	.630	.610

TABLE OF STOCKED VALUES						
1	0.4	2.2	7.0	30	200	1.5K
3	0.45	2.5	7.5	33	220	1.8K
5	0.5	2.7	8.0	40	250	2.0K
	0.56	3.0	10	47	330	3.0K
5	0.68	3.3	12	50	390	3.3K
	0.75	3.5	15	56	470	4.0K
2	0.82	4.0	16	60	500	5.0K
5	1.0	4.7	20	100	600	10K
7	1.2	5.0	22.5	120	680	20K
	1.5	5.62	25	150	1.0K	25K
3	2.0	6.0	27	160	1.2K	50K

RH10, 10 Watts - 1% For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-RH10-Value	0.01 - 0.05	4.78	4.12	3.23	2.94
71-RH10-Value	0.1 - 0.82	2.89	2.49	1.96	1.78
71-RH10-Value	1.0 - 1.0K	2.37	2.04	1.61	1.46
71-RH10-Value	1.2K - 10K	2.44	2.10	1.65	1.50
71-RH10-Value	20K - 25K	3.80	3.28	2.57	2.34

RH-25, 25 WATTS - 1% For quantities of 100 and up, call for quote.

71-RH25-Value	0.01 - 0.05	6.08	5.24	4.11	3.74
71-RH25-Value	0.1 - 0.82	3.80	3.28	2.57	2.34
71-RH25-Value	1.0 - 1.0K	3.25	2.80	2.22	1.99
71-RH25-Value	1.2K - 10K	3.15	2.72	2.13	1.94
71-RH25-Value	20K - 50K	4.42	3.81	2.99	2.72

RH-50, 50 WATTS - 1% For quantities of 100 and up, call for quote.

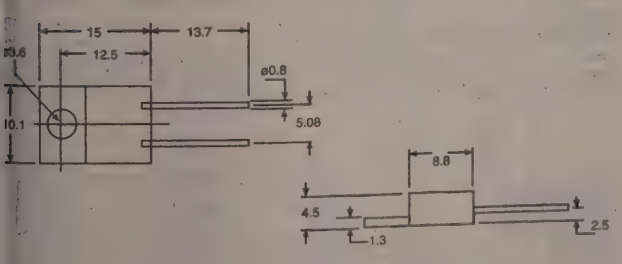
71-RH50-Value	0.01 - 0.05	10.99	9.46	7.44	6.76
71-RH50-Value	0.1 - 0.82	7.38	6.36	4.99	4.54
71-RH50-Value	1.0 - 1.0K	4.26	3.67	2.88	2.62
71-RH50-Value	1.2K - 10K	4.62	3.98	3.12	2.84
71-RH50-Value	20K - 50K	6.73	5.80	4.55	4.14

SHAY / SFERNICE 5% Thick Film Power Resistors - 5, 10, 25, & 50 Watt

O SERIES TO-220

ures:
Watt at 25° C Heatsink Mounted
Power Dissipation to size ratio
ligible Inductance
220 Package

Specifications:
- Operating Temperature: -55° C to +155° C
- Inductance: ≤0.1 μH
- Tolerance: 5% Standard
- Dielectric Withstanding Voltage: 2000VRMS



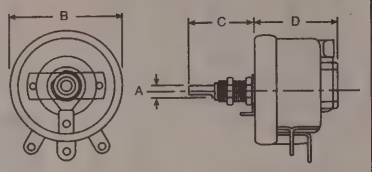
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value	Price Each				
			1	25	50	100	200
72-RTO20F-R05-5	RTO20F-R05-5	0.05	8.43	7.03	5.62	5.06	4.78
72-RTO20F-R068-5	RTO20F-R068-5	0.068	8.43	7.03	5.62	5.06	4.78
72-RTO20F-R1-5	RTO20F-R1-5	0.1	6.75	5.63	4.50	4.05	3.83
72-RTO20F-R2-5	RTO20F-R2-5	0.2	6.75	5.63	4.50	4.05	3.83
72-RTO20F-R5-5	RTO20F-R5-5	0.5	6.75	5.63	4.50	4.05	3.83
72-RTO20F-1-5	RTO20F-1-5	1	6.75	5.63	4.50	4.05	3.83
72-RTO20F-2-5	RTO20F-2-5	2	6.75	5.63	4.50	4.05	3.83
72-RTO20F-5-5	RTO20F-5-5	5	6.75	5.63	4.50	4.05	3.83
72-RTO20F-10-5	RTO20F-10-5	10	5.40	4.50	3.60	3.24	3.06
72-RTO20F-20-5	RTO20F-20-5	20	5.40	4.50	3.60	3.24	3.06
72-RTO20F-25-5	RTO20F-25-5	25	5.40	4.50	3.60	3.24	3.06
72-RTO20F-50-5	RTO20F-50-5	50	5.40	4.50	3.60	3.24	3.06
72-RTO20F-100-5	RTO20F-100-5	100	5.40	4.50	3.60	3.24	3.06
72-RTO20F-200-5	RTO20F-200-5	200	5.40	4.50	3.60	3.24	3.06
72-RTO20F-500-5	RTO20F-500-5	500	5.40	4.50	3.60	3.24	3.06
72-RTO20F-1K-5	RTO20F-1K-5	1K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-2K-5	RTO20F-2K-5	2K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-5K-5	RTO20F-5K-5	5K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-20K-5	RTO20F-20K-5	20K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-50K-5	RTO20F-50K-5	50K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-100K-5	RTO20F-100K-5	100K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-500K-5	RTO20F-500K-5	500K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-1M-5	RTO20F-1M-5	1M	5.40	4.50	3.60	3.24	3.06

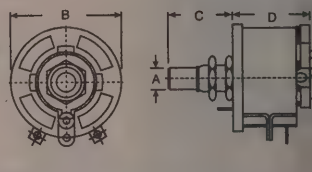
POWER WIREWOUND RHEOSTATS

Series	Watts	Ohmic Range	Dimensions (IN)				Shaft Torque	Rotation (± 5°)
			A	B	C	D		
RES	12.5	1.0-15K	.125	.875	.625	.688	1-6 oz. in.	300
RHS	25	1.0-25K	.250	1.560	.875	1.375	.25-.5 lb.in.	300
RJS	50	.05-50K	.250	2.310	.875	1.375	.25-2 lb.in.	300
RKS	100	.05-50K	.250	3.125	.875	1.750	.5-2 lb. in.	300
RLS	150	.05-50K	.250	4.000	.875	2.000	.5-3 lb. in.	300

DIMENSIONS (IN)



RES



RHS, RJS, RKS, RLS

RES Series, 12.5 Watts

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	10	50	100
588-RES-1.0	RES1R0	1.0	23.83	21.18	19.86	17.21
588-RES-2.0	RES2R0	2.0	23.83	21.18	19.86	17.21
588-RES-6.0	RES6R0	6.0	23.83	21.18	19.86	17.21
588-RES-8.0	RES8R0	8.0	23.83	21.18	19.86	17.21
588-RES-10	RES10R	10	22.59	20.08	18.83	16.32
588-RES-15	RES15R	15	22.59	20.08	18.83	16.32
588-RES-25	RES25R	25	22.59	20.08	18.83	16.32
588-RES-50	RES50R	50	22.59	20.08	18.83	16.32
588-RES-75	RES75R	75	22.59	20.08	18.83	16.32
588-RES-100	RES100	100	22.59	20.08	18.83	16.32
588-RES-125	RES125	125	22.59	20.08	18.83	16.32
588-RES-175	RES175	175	22.59	20.08	18.83	16.32
588-RES-250	RES250	250	22.59	20.08	18.83	16.32
588-RES-350	RES350	350	22.59	20.08	18.83	16.32
588-RES-500	RES500	500	23.18	20.61	19.32	16.74
588-RES-750	RES750	750	23.18	20.61	19.32	16.74
588-RES-1K	RES1K0	1K	23.18	20.61	19.32	16.74
588-RES-1.5K	RES1K5	1.5K	23.18	20.61	19.32	16.74
588-RES-2.5K	RES2K5	2.5K	24.68	21.94	20.57	17.82
588-RES-3.5K	RES3K5	3.5K	24.68	21.94	20.57	17.82
588-RES-10K	RES10K	10K	26.65	23.70	22.22	19.25

RHS Series, 25 Watts

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	10	50	100
588-RHS-1.0	RHS1R0	1.0	26.55	23.6	22.13	19.18
588-RHS-2.0	RHS2R0	2.0	26.55	23.6	22.13	19.18
588-RHS-3.0	RHS3R0	3.0	26.55	23.6	22.13	19.18
588-RHS-6.0	RHS6R0	6.0	26.55	23.6	22.13	19.18
588-RHS-8.0	RHS8R0	8.0	26.55	23.6	22.13	19.18
588-RHS-10	RHS10R	10	25.36	22.54	21.14	18.32
588-RHS-15	RHS15R	15	25.36	22.54	21.14	18.32
588-RHS-25	RHS25R	25	25.36	22.54	21.14	18.32
588-RHS-50	RHS50R	50	25.36	22.54	21.14	18.32
588-RHS-75	RHS75R	75	25.36	22.54	21.14	18.32
588-RHS-100	RHS100	100	25.36	22.54	21.14	18.32
588-RHS-125	RHS125	125	25.36	22.54	21.14	18.32
588-RHS-175	RHS175	175	25.36	22.54	21.14	18.32
588-RHS-250	RHS250	250	25.36	22.54	21.14	18.32
588-RHS-350	RHS350	350	25.36	22.54	21.14	18.32
588-RHS-500	RHS500	500	25.36	22.54	21.14	18.32
588-RHS-750	RHS750	750	25.36	22.54	21.14	18.32
588-RHS-1K	RHS1K0	1K	26.24	23.33	21.87	18.95
588-RHS-1.5K	RHS1K5	1.5K	26.24	23.33	21.87	18.95
588-RHS-2.5K	RHS2K5	2.5K	26.24	23.33	21.87	18.95
588-RHS-3.5K	RHS3K5	3.5K	26.24	23.33	21.87	18.95
588-RHS-5K	RHS5K0	5K	26.24	23.33	21.87	18.95
588-RHS-10K	RHS10K	10K	28.46	25.3	23.72	20.55
588-RHS-25K	RHS25K	25K	30.31	26.94	25.26	21.89

RJS Series, 50 Watts

For quantities of 250 and up, call for

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	10	50	1
588-RJS-0.5	RJSR50	0.5	38.43	34.16	32.03	27
588-RJS-1.0	RJS1R0	1.0	34.33	30.51	28.61	24
588-RJS-6.0	RJS6R0	6.0	34.33	30.51	28.61	27
588-RJS-35	RJS35R	35	30.02	26.69	25.02	21
588-RJS-50	RJS50R	50	30.02	26.69	25.02	21
588-RJS-125	RJS125	125	30.02	26.69	25.02	21
588-RJS-150	RJS150	150	30.02	26.69	25.02	21
588-RJS-225	RJS225	225	28.85	25.65	24.05	20
588-RJS-500	RJS500	500	28.85	25.65	24.05	20
588-RJS-1K	RJS1K0	1K	31.55	28.05	26.3	22
588-RJS-2.5K	RJS2K5	2.5K	31.55	28.05	26.3	22
588-RJS-5K	RJS5K0	5K	31.55	28.05	26.3	22
588-RJS-10K	RJS10K	10K	31.55	28.05	26.3	22

RKS Series, 100 Watts

For quantities of 100 and up, call for

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	5	10	
588-RKS-2.0	RKS2R0	2.0	48.88	43.99	39.10	36
588-RKS-5.0	RKS5R0	5.0	48.88	43.99	39.10	36
588-RKS-10	RKS10R	10	38.90	35.01	31.12	29
588-RKS-25	RKS25R	25	38.90	35.01	31.12	29
588-RKS-75	RKS75R	75	38.90	35.01	31.12	29
588-RKS-100	RKS100	100	38.90	35.01	31.12	29
588-RKS-200	RKS200	200	38.90	35.01	31.12	29
588-RKS-500	RKS500	500	38.90	35.01	31.12	29
588-RKS-5K	RKS5K0	5K	44.45	40.01	35.56	33

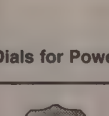
RLS Series, 150 Watts

For quantities of 100 and up, call for

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	5	10	
588-RLS-.5	RLSR50	0.5	59.97	53.97	47.98	44
588-RLS-1.0	RLS1R0	1.0	59.51	53.56	47.61	44
588-RLS-5.0	RLS5R0	5.0	59.51	53.56	47.61	44
588-RLS-15	RLS15R	15	49.18	44.26	39.34	36
588-RLS-25	RLS25R	25	49.18	44.26	39.34	36
588-RLS-50	RLS50R	50	49.18	44.26	39.34	36
588-RLS-100	RLS100	100	49.18	44.26	39.34	36
588-RLS-250	RLS250	250	49.18	44.26	39.34	36
588-RLS-4.5K	RLS4.5K	4.5K	52.84	47.56	42.27	39
588-RLS-10K	RLS10K	10K	61.00	54.90	48.80	48

Knobs and Dials for Power Wirewound Rheostats

A



B

For quantities of 25 and up, call fo

MOUSER STOCK NO.	Fig.	Type	Fits Ohmite Series	Knob Dia. (IN)	Dial Dia. (IN)	Price Ea
						1
588-5150	A	Knob	RHS, RJS, RKS, RLS	1 1/2	2 3/16	6.30
588-5151	A	Knob	RES	3/4	1 1/4	4.57
588-5000	B	Dial	RHS, RJS, RKS, RLS	1 1/2	2 3/16	1.34
588-5007	B	Dial	RES	3/4	1 1/4	1.34

VISHAY Angstrohm Power Rheostats - 12.5 Watt to 300 Watt

y Angstrohm's broad line of power rheostats is designed to provide exceptional reliability through the application of modern manufacturing techniques and the use of sophisticated materials. The base and ring, which provide the tat foundation, is molded of high density ceramic. The most modern toroidal winding machines are used to assure a uniform wind. Resolution and power dissipation are maintained at a maximum through proper selection of wire The insulator is molded of high density, porcelain/ ceramic. Ceramic cement provides the "bonding medium" necessary to securely attach the ring and base together and to lock the windings from shifting. The locating tab provides tat indexing and a "non-turn" feature. 6o'clock is standard on all models with the terminals down. The three terminals permit use as a potentiometer or rheostat.

206 SERIES

ures:

th behind panel 11/16" (17.46mm)
ation 300° ± 5°
ft: Round flatted 1/8" x 5/8"
nts on panels up to 1/8" (3.18mm) by means of a 1/4"-32 (6.35mm), bushing and hex nut
-turn lugs require 1/8" (3.18mm) hole, 1/4" (6.35mm) below center of shaft

5 Watt 7/8" Diameter

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value (Ω)	Price Each 1	10	25
-MP06A-1	MP06A1	1	26.32	24.24	22.16
-MP06A-2	MP06A2	2	26.32	24.24	22.16
-MP06A-3	MP06A3	3	26.32	24.24	22.16
-MP06A-6	MP06A6	6	26.32	24.24	22.16
-MP06A-8	MP06A8	8	26.32	24.24	22.16
-MP06A-10	MP06A10	10	24.95	23.12	21.14
-MP06A-25	MP06A25	25	24.95	23.12	21.14
-MP06A-50	MP06A50	50	24.95	23.12	21.14
-MP06A-100	MP06A100	100	24.95	23.12	21.14
-MP06A-125	MP06A125	125	24.95	23.12	21.14
-MP06A-175	MP06A175	175	24.95	23.12	21.14
-MP06A-350	MP06A350	350	24.95	23.12	21.14
-MP06A-500	MP06A500	500	25.98	23.96	21.95
-MP06A-1000	MP06A1000	1000	25.98	23.96	21.95
-MP06A-1500	MP06A1500	1500	25.98	23.98	21.95
-MP06A-2500	MP06A2500	2500	26.75	24.64	22.53
-MP06A-3500	MP06A3500	3500	26.75	24.64	22.53
-MP06A-5000	MP06A5000	5000	26.75	24.64	22.53
ob/Dial					
-452	452	KNOB	1.84	1.75	1.65
-448	448	DIAL	1.67	1.58	1.50

210 SERIES

tures:

pth behind panel 1 3/8" (34.92mm)
tation 300° ± 5°
ft: Round flatted 1/4" x 27/32"
unts on panels up to 1/4" (6.35mm) by means of a 3/8"-32 (9.52mm), bushing and hex nut
n-turn lugs require 3/16" (4.76mm) hole, 1/2" (12.70mm) below center of shaft

Watt 1 9/16" Diameter

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value (Ω)	Price Each 1	10	25
-MP10A-1	MP10A1	1	28.98	26.74	24.45
-MP10A-3	MP10A3	3	28.98	26.74	24.45
-MP10A-6	MP10A6	6	28.98	26.74	24.45
-MP10A-10	MP10A10	10	26.35	24.27	22.19
-MP10A-25	MP10A25	25	26.35	24.27	22.19
-MP10A-50	MP10A50	50	26.35	24.27	22.19
-MP10A-75	MP10A75	75	26.35	24.27	22.19
-MP10A-100	MP10A100	100	26.35	24.27	22.19
-MP10A-125	MP10A125	125	26.35	24.27	22.19
-MP10A-175	MP10A175	175	26.35	24.27	22.19
-MP10A-250	MP10A250	250	26.35	24.27	22.19
-MP10A-500	MP10A500	500	26.35	24.27	22.19
-MP10A-750	MP10A750	750	26.35	24.27	22.19
-MP10A-1000	MP10A1000	1000	27.21	24.95	22.91
-MP10A-1500	MP10A1500	1500	27.21	24.95	22.91
-MP10A-3500	MP10A3500	3500	27.21	24.95	22.91
-MP10A-5000	MP10A5000	5000	27.21	24.95	22.91
ob/Dial					
-552	552	KNOB	1.73	1.64	1.55
-548	548	DIAL	1.08	1.03	.97

215 SERIES

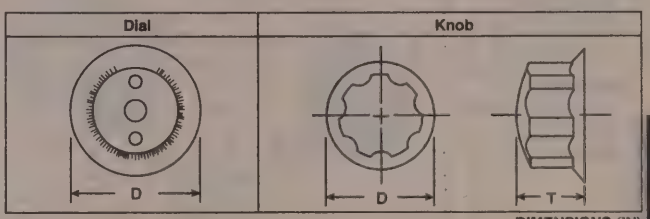
ures:

th behind panel 1 3/8" (34.92mm)
ation 300° ± 5°
ft: Round flatted 1/4" x 27/32"
nts on panels up to 1/4" (6.35mm) by means of a 3/8"-32 (9.52mm), bushing and hex nut
-turn lugs require 3/16" (4.76mm) hole, 1/2" (12.70mm) below center of shaft

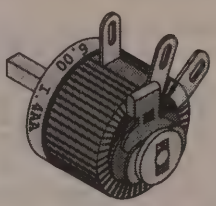
Watt 2 9/32" Diameter

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value (Ω)	Price Each 1	10	25
-MP15A-4	MP15A4	4	32.59	29.95	27.44
-MP15A-16	MP15A16	16	32.59	29.95	27.44
-MP15A-22	MP15A22	22	32.59	29.95	27.44
-MP15A-50	MP15A50	50	32.59	29.95	27.44
-MP15A-125	MP15A125	125	32.59	29.95	27.44
-MP15A-225	MP15A225	225	32.59	29.95	27.44
-MP15A-500	MP15A500	500	32.59	29.95	27.44
-MP15A-1000	MP15A1000	1000	34.37	31.66	28.94
-MP15A-2500	MP15A2500	2500	34.37	31.66	28.94
-MP15A-3500	MP15A3500	3500	34.37	31.66	28.94
MP15A-10000	MP15A10000	10000	34.37	31.66	28.94
ob/Dial					
552	552	KNOB	1.73	1.64	1.55
548	548	DIAL	1.08	1.03	.97



DIMENSIONS (IN)



Vishay Part No.	Knob/Dial Diameter (D)	Knob/Dial Thickness (T)	Shaft Diameter
Dials			
448	1 1/4	---	1/8
548	2 1/4	---	1/4
949	4	---	3/8
Knobs			
452	3/4	7/16	1/8
552	1 1/2	3/4	1/4
952	3	1 1/32	3/8

MP25 SERIES

Features:

- Depth behind panel 1 1/2" (38.10mm)
- Rotation 300° ± 5°
- Shaft: Round flatted 1/4" x 7/8"
- Mounts on panels up to 1/4" (6.35mm) by means of a 3/8"-32 (9.52mm), bushing and hex nut
- Non-turn lugs require 3/16" (4.76mm) hole, 1/2" (12.70mm) below center of shaft-Model "A" shaft

100 Watt 3 5/32" Diameter

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value (Ω)	Price Each 1	10	25
72-MP25A-1	MP25A1	1	49.91	45.97	41.98
72-MP25A-5	MP25A5	5	49.91	45.97	41.98
72-MP25A-25	MP25A25	25	45.71	42.11	38.50
72-MP25A-50	MP25A50	50	45.71	42.11	38.50
72-MP25A-75	MP25A75	75	45.71	42.11	38.50
72-MP25A-100	MP25A100	100	45.71	42.11	38.50
72-MP25A-200	MP25A200	200	45.71	42.11	38.50
72-MP25A-300	MP25A300	300	45.71	42.11	38.50
72-MP25A-500	MP25A500	500	45.71	42.11	38.50
72-MP25A-1000	MP25A1000	1000	50.90	46.88	42.86
72-MP25A-2500	MP25A2500	2500	50.90	46.88	42.86
72-MP25A-5000	MP25A5000	5000	50.90	46.88	42.86
Knob/Dial					
72-552	552	KNOB	1.73	1.64	1.55
72-548	548	DIAL	1.08	1.03	.97

MP30 SERIES

Features:

- Depth behind panel 1 3/4" (44.45mm)
- Rotation 300° ± 5°
- Shaft: Round flatted 1/4" x 7/8"
- Mounts on panels up to 1/4" (6.35mm) by means of a 3/8"-32 (9.52mm), bushing and hex nut
- Non-turn lugs require 3/16" (4.76mm) hole, 1/2" (12.70mm) below center of shaft-Model "A" shaft

150 Watt 4" Diameter

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value (Ω)	Price Each 1	10	25
72-MP30A-1	MP30A1	1	59.64	54.93	50.22
72-MP30A-10	MP30A10	10	54.95	50.61	46.27
72-MP30A-100	MP30A100	100	54.95	50.61	46.27
72-MP30A-1000	MP30A1000	1000	61.66	56.79	51.92
Knob/Dial					
72-552	552	KNOB	1.73	1.64	1.55
72-548	548	DIAL	1.08	1.03	.97

MP40 SERIES

Features:

- Depth behind panel 2 3/16" (55.56mm)
- Rotation 315° ± 5°
- Shaft: Round flatted 3/8" x 2"
- Mounts on panels up to 1 1/4" (31.75mm) by means of a mounting bracket with two 1/4"-20 (6.35mm), flat head screws

300 Watt 6" Diameter

For quantities of 50 and up, call for quote.

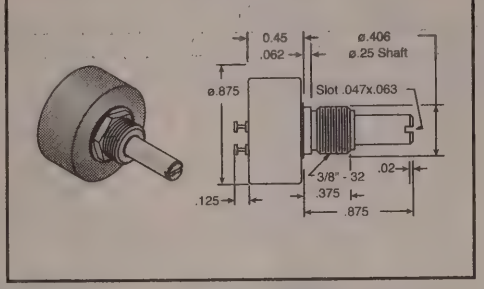
MOUSER STOCK NO.	Vishay Part Number	Value (Ω)	Price Each 1	10	25
72-MP40A-1	MP40A1	1	116.72	107.50	98.29
72-MP40A-10	MP40A10	10	111.40	102.60	93.81
72-MP40A-25	MP40A25	25	111.40	102.60	93.81
72-MP40A-50	MP40A50	50	111.40	102.60	93.81
72-MP40A-100	MP40A100	100	111.40	102.60	93.81
Knob/Dial					
72-952	952	KNOB	20.62	19.53	18.45
72-949	949	DIAL	3.33	3.15	2.98

6639 SERIES/CONDUCTIVE PLASTIC/PRECISION

- Essentially infinite resolution
- Excellent rotational life

Specifications:
- Resistance tolerance: ±15%
- Power rating: 1.0W
- Mechanical angle: continuous

DIMENSIONS (IN)



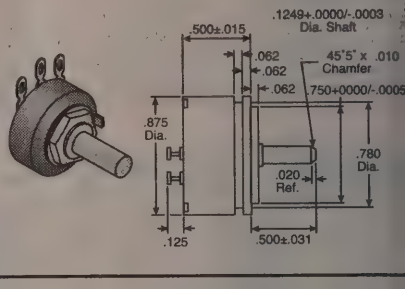
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (Ω)	Price Each 1	10	25	50	100	250+
652	6639S-1-102	1K	11.40	11.10	10.25	9.25	8.40	Call for Quote
652	6639S-1-202	2K	11.40	11.10	10.25	9.25	8.40	
652	6639S-1-502	5K	11.40	11.10	10.25	9.25	8.40	
652	6639S-1-103	10K	11.40	11.10	10.25	9.25	8.40	
652	6639S-1-203	20K	11.40	11.10	10.25	9.25	8.40	

6539 SERIES/CONDUCTIVE PLASTIC/PRECISI

- Essentially infinite resolution
- Excellent rotational life
- Servo mount

Specifications:
- Resistance tolerance: ±15%
- Power rating: 1.0W
- Mechanical angle: continuous

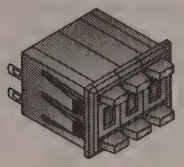
DIMENSIONS (IN)

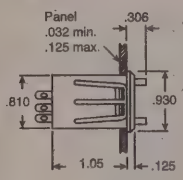


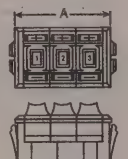
For quantities of 100 and up, call for

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (Ω)	Price Each 1	2	5	10	25
652	6539S-1-102	1k	46.29	38.58	30.86	27.77	24.90
652	6539S-1-502	5k	46.29	38.58	30.86	27.77	24.90
652	6539S-1-103	10k	46.29	38.58	30.86	27.77	24.90

3680 SERIES DIGITAL PUSHBUTTON PRECISION POTENTIOMETERS







DIMENSIONS (IN)

Specifications:
- Tolerance: ±3%
- Power rating: 2 Watts
- Expected life: 75,000 button operations each decade

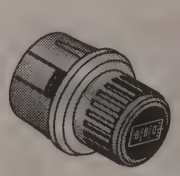
For quantities of 100 and up, call for quote.

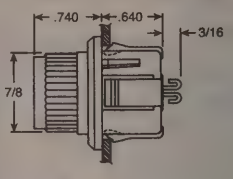
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Values (Ω)	Dimensions (IN) A	B	Price Each 1	5	10	25	50
2 Decade Pushbutton									
652	3682S-1-102	1K	1.05	0.99	27.34	25.97	24.61	21.88	20.23
652	3682S-1-502	5K	1.05	0.99	27.34	25.97	24.61	21.88	20.23
652	3682S-1-103	10K	1.05	0.99	27.34	25.97	24.61	21.88	20.23
3 Decade Pushbutton									
652	3683S-1-102	1K	1.46	1.39	40.46	38.44	36.42	32.37	29.94
652	3683S-1-502	5K	1.46	1.39	40.46	38.44	36.42	32.37	29.94
652	3683S-1-103	10K	1.46	1.39	40.46	38.44	36.42	32.37	29.94
652	3683S-1-104	100K	1.46	1.39	40.46	38.44	36.42	32.37	29.94

3610 SERIES 10 TURN PRECISION POTENTIOMETER

Specifications:
- Tolerance: ±5%
- Power rating: 1.5 Watts
- Rotational life: 50,000 revolutions

DIMENSIONS (IN)





Snap-in mounting clip
accommodates panel thickness No.22GA thru No.14GA

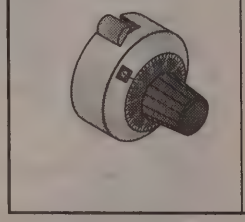
For quantities of 100 and up, call for

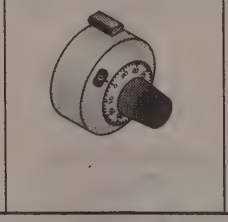
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Values (Ω)	Resolution (%)	Price Each 1	5	10	25
652	3610S-1-102	1K	0.035	60.92	57.87	54.83	48.74
652	3610S-1-502	5K	0.027	60.92	57.87	54.83	48.74
652	3610S-1-103	10K	0.022	60.92	57.87	54.83	48.74

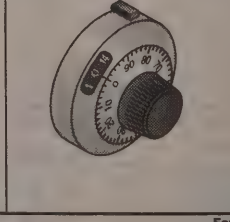
TURNS-COUNTING DIALS

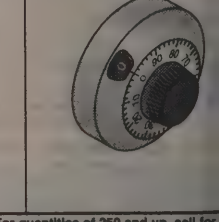
Applications:
- H-46:
  - Power supplies
  - Sensors
  - Medical
  - Automation
  - Test equipment
- H-550:
  - Automation equipment
  - Test instrument
  - Industrial machinery
  - Medical instrumentation excluding critical life support applications
  - Test Equipment

Specifications:
- Mount directly to potentiometer shaft
- No backlash
- Excellent readability
- Locking brake







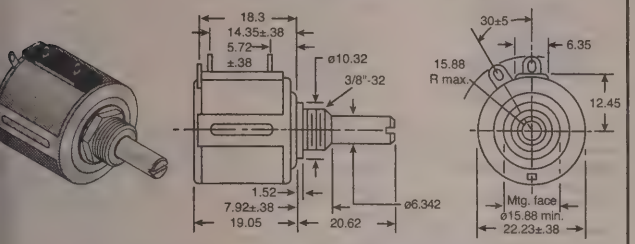


For quantities of 250 and up, call for

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	No. of Turns	Body dia. (IN)	Body Finish	Fits shaft dia. (IN)	Price Each 1	5	10	25	50
652	H-492-3	A	0 to 30	1	Clear	0.25	20.13	18.64	17.14	16.78	15.73
652	H-494-3	A	0 to 30	1	Black	0.25	20.13	18.64	17.14	16.78	15.73
652	H-494-2	A	0 to 30	1	Black	0.12	20.13	18.64	17.14	16.78	15.73
652	H-22-6A	B	0 to 15	0.874	Chrome	0.25	10.26	8.52	8.25	8.10	7.95
652	H-22-6A-B	B	0 to 15	0.874	Black	0.25	10.26	8.52	8.25	8.10	7.95
652	H-23-6A	B	0 to 15	0.874	Polished Chrome	0.25	10.26	8.52	8.25	8.10	7.95
652	H-22-3A	B	0 to 15	0.874	Satin Chrome	0.12	10.26	8.52	8.25	8.10	7.95
652	H-46-6A	C	0 to 20	1.811	Chrome	0.25	20.12	18.25	17.51	15.92	14.50
652	H-550-6A	D	0 to 11	1.811	Gray	0.25	14.50	13.05	12.33	11.68	11.15

3540 / 3541 SERIES 10-TURN/WIREWOUND/PRECISION

DIMENSIONS (mm)



Tolerances Except Where Noted, Decimals=.xx=±.25;.xxx=±.13

Specifications for 3540 Wirewound:
- Standard resistance range: 100-100KΩ
- Resistance tolerance: ±5%
- Power rating: 70°C - 2W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±50ppm/°C

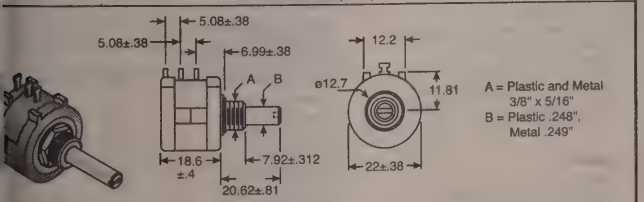
Specifications for 3541 Hybritron:
- Standard resistance range: 1K-100KΩ
- Resistance tolerance: ±10%
- Power rating: 70°C - 2W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C

MOUSER STOCK NO.		Value	Resolution	Price Each					
Mfr.	Mfr. Part No.	(Ω)		1	5	10	25	50	100+
652—3540S-1-101		100	0.042	13.38	12.71	12.26	11.14	9.98	Call for Quote
652—3540S-1-201		200	0.042	13.38	12.71	12.26	11.14	9.98	
652—3540S-1-501		500	0.031	13.38	12.71	12.26	11.14	9.98	
652—3540S-1-102		1K	0.027	13.38	12.71	12.26	11.14	9.98	
652—3540S-1-202		2K	0.021	13.38	12.71	12.26	11.14	9.98	
652—3540S-1-502		5K	0.021	13.38	12.71	12.26	11.14	9.98	
652—3540S-1-103		10K	0.019	13.38	12.71	12.26	11.14	9.98	
652—3540S-1-203		20K	0.014	13.38	12.71	12.26	11.14	9.98	
652—3540S-1-503		50K	0.011	14.88	14.14	13.39	12.28	10.79	
652—3540S-1-104		100K	0.008	16.72	15.88	15.05	13.19	12.54	

MOUSER STOCK NO.		Value	Price Each					
Mfr.	Mfr. Part No.	(Ω)	1	5	10	25	50	100+
652—3541H-1-102		1K	28.28	26.86	25.45	23.33	21.21	Call for Quote
652—3541H-1-502		5K	28.28	26.86	25.45	23.33	21.21	
652—3541H-1-103		10K	28.28	26.86	25.45	23.33	21.21	

3590 SERIES 10 TURN PRECISION POTENTIOMETER

DIMENSIONS (mm)



Tolerances Except Where Noted, Decimals=.xx=±.51;.xxx=±.13

Specifications:
- Resistance tolerance: ±5%
- Power rating: 2 Watts

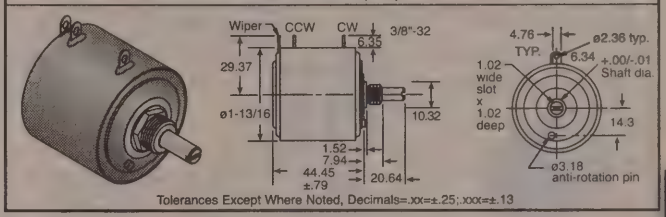
Features:
- Plastic or metal shaft and bushings
- Wirewound
- Solder lugs

For quantities of 150 and up, call for quote.

MOUSER STOCK NO.		Values	Resolution	Price Each					
Mfr.	Mfr. Part No.	(Ω)	(%)	1	5	10	25	50	100
Plastic Bushing and Shaft									
652—3590S-1-102		1K	0.029	10.02	9.52	9.02	8.27	8.02	7.52
652—3590S-1-202		2K	0.029	10.02	9.52	9.02	8.27	8.02	7.52
652—3590S-1-502		5K	0.025	10.02	9.52	9.02	8.27	8.02	7.52
652—3590S-1-103		10K	0.020	10.02	9.52	9.02	8.27	8.02	7.52
652—3590S-1-203		20K	0.016	10.02	9.52	9.02	8.27	8.02	7.52
652—3590S-1-503		50K	0.013	12.10	11.50	10.89	9.98	9.68	9.08
652—3590S-1-104		100K	0.009	12.98	12.33	11.68	10.71	10.38	9.74
Metal Bushing and Shaft									
652—3590S-2-501		500	0.029	10.02	9.52	9.02	8.27	8.02	7.52
652—3590S-2-102		1K	0.029	10.02	9.52	9.02	8.27	8.02	7.52
652—3590S-2-202		2K	0.029	10.02	9.52	9.02	8.27	8.02	7.52
652—3590S-2-502		5K	0.025	10.02	9.52	9.02	8.27	8.02	7.52
652—3590S-2-103		10K	0.020	10.02	9.52	9.02	8.27	8.02	7.52
652—3590S-2-203		20K	0.016	10.02	9.52	9.02	8.27	8.02	7.52
652—3590S-2-503		50K	0.013	12.10	11.50	9.98	9.07	9.68	9.08
652—3590S-2-104		100K	0.009	12.98	12.33	10.71	10.38	9.74	9.74

3400 SERIES 10-TURN WIREWOUND/PRECISION

DIMENSIONS (mm)



Tolerances Except Where Noted, Decimals=.xx=±.25;.xxx=±.13

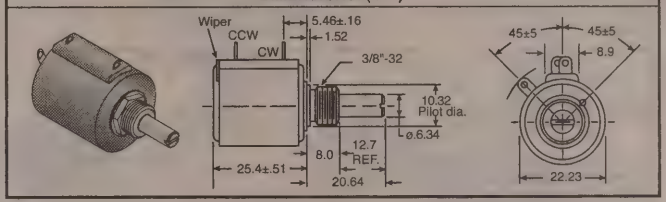
Features:
- Bushing mount
- Excellent wiper stability
- High stop strength
- Sealable

Specifications:
- Resistance tolerance: ±3%
- Power rating: 5W

MOUSER STOCK NO.		Value	Price Each					
Mfr.	Mfr. Part No.	(Ω)	1	5	10	25	50	100+
652—3400S-1-102		1K	88.50	84.00	80.00	73.00	65.00	Call for Quote
652—3400S-1-502		5K	88.50	84.00	80.00	73.00	65.00	
652—3400S-1-103		10K	88.50	84.00	80.00	73.00	65.00	

3500 SERIES 10-TURN/WIREWOUND/PRECISION

DIMENSIONS: (mm)



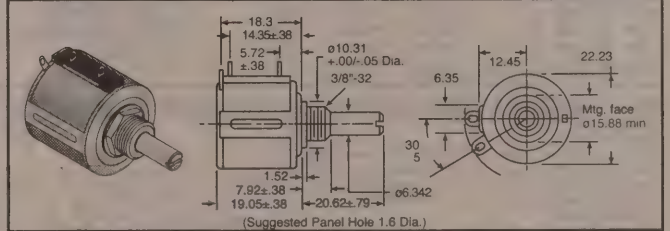
Features:
- Bushing mount
- Sealable
- Gangable

Specifications:
- Resistance tolerance: ±3%
- Power rating: 70°C - 2W; 125°C - 0W
- Temperature range: -65°C to +125°C
- Temperature coefficient: ±50ppm/°C
- Shaft Length: 13/16 Metal Bushing

MOUSER STOCK NO.		Value	Resolution	Price Each					
Mfr.	Mfr. Part No.	(Ω)		1	5	10	25	50	100+
652—3500S-2-102		1K	0.03	41.71	39.67	37.91	33.80	32.10	Call for Quote
652—3500S-2-502		5K	0.018	41.71	39.67	37.91	33.80	32.10	
652—3500S-2-103		10K	0.019	41.71	39.67	37.91	33.80	32.10	

3543/3545 SERIES/WIREWOUND/PRECISION

DIMENSIONS (mm)



Specifications for 3543 3-Turn:
- Standard resistance range: 20-50KΩ
- Resistance tolerance: ±5%
- Power rating: 70°C - 1W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±50ppm/°C

Specifications for 3545 5-Turn:
- Standard resistance range: 50-50KΩ
- Resistance tolerance: ±5%
- Power rating: 70°C - 1.5W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±50ppm/°C

MOUSER STOCK NO.		Value	Resolution	Price Each					
Mfr.	Mfr. Part No.	(Ω)		1	5	10	25	50	100+
3-Turn									
652—3543S-1-102		1K	0.063	22.62	22.09	20.95	19.20	17.73	Call for Quote
652—3543S-1-202		2K	0.062	22.62	22.09	20.95	19.20	17.73	
652—3543S-1-502		5K	0.047	22.62	22.09	20.95	19.20	17.73	
652—3543S-1-103		10K	0.04	22.62	22.09	20.95	19.20	17.73	
5-Turn									
652—3545S-1-102		1K	0.043	23.30	22.75	21.58	19.78	15.07	Call for Quote
652—3545S-1-202		2K	0.036	23.30	22.75	21.58	19.78	15.07	
652—3545S-1-502		5K	0.038	23.30	22.75	21.58	19.78	15.07	
652—3545S-1-103		10K	0.027	23.30	22.75	21.58	19.78	15.07	

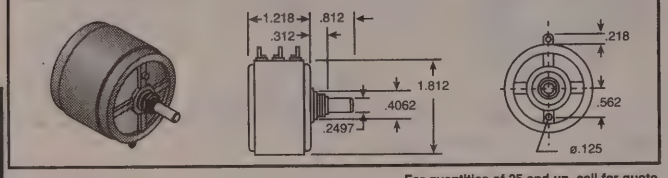
VISHAY / SPECTROL Precision Potentiometers

MODEL 830 THREE TURN WIREWOUND

Electrical Specifications:
- Tolerance: ±3%, 200Ω ≤ Rt ≤ 150KΩ
- Power rating: 3W @ 40°C derating to 0W @ 125°C
- Electrical travel: 1,080°+4°-0°

Physical Specifications:
- Temperature: -55°C to +125°C
- Rotational Life: 500,000 shaft revolutions
- Ganging: 2 sections max.
- 3 turn 3 watts

DIMENSIONS (IN)



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Resistance %	Temp. Coeff. PPM/°C	Price Each 1	5	10
594-830-1102	1K	0.050	110	43.99	42.41	41.35
594-830-1202	2K	0.047	20	43.99	42.41	41.35
594-830-1502	5K	0.035	20	43.99	42.41	41.35
594-830-1103	10K	0.029	20	43.99	42.41	41.35
594-830-1203	20K	0.024	20	60.92	58.73	57.27
594-830-1503	50K	0.017	20	60.92	58.73	57.27

MODEL 860 TEN TURN WIREWOUND

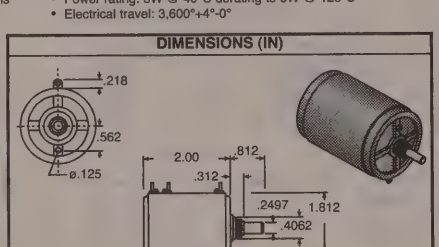
Physical Specifications:
- Temperature: -55°C to +125°C
- Rotational Life: 500,000 shaft revolutions
- Ganging: 2 sections max.

Electrical Specifications:
- Tolerance: ±3%, 200Ω ≤ Rt ≤ 500KΩ
- Power rating: 8W @ 40°C derating to 0W @ 125°C
- Electrical travel: 3,600°+4°-0°

Price Each 1	5	10	25
51.44	48.23	46.62	45.00

Value (Ω)	MOUSER STOCK NO.
500	594-860-1501
1K	594-860-1102
5K	594-860-1502
10K	594-860-1103

DIMENSIONS (IN)

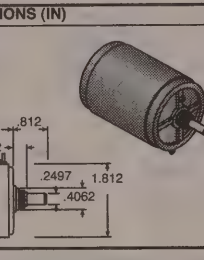


MODEL 162 1/2" TEN TURN PRECISION WIREWOUND

Specifications:
- Body (LxD): 1.00" x 0.50"
- Shaft (LxD): .687" x .0935"
- Power rating: 2.0W @ 40°C derated to 0W @ 125°C
- Linearity: ±0.3%
- Resistance tolerance: ±5%
- Temperature coefficient: ±20ppm/°C
- Temperature range: -55°C to + 125°C
- Electrical rotation: 3600° +15° - 0°

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Values (Ω)	Price Each 1	5	10
594-16211102	1K	70.56	66.15	63.95
594-16211202	2K	70.56	66.15	63.95
594-16211103	10K	70.56	66.15	63.95
594-16211104	100K	85.04	79.73	77.07



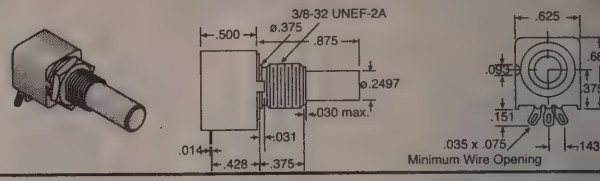
MODEL 140 1/2" SINGLE-TURN PRECISION WIREWOUND

Specifications:
- Body (LxD): .305" x .500"
- Shaft (LxD): .70" x 0.1248"
- Power rating: 2.0W @ 40°C derated to 0W @ 125°C
- Linearity: ±1.0%
- Resistance tolerance: ±5%
- Temperature coefficient: ±20ppm/°C
- Temperature range: -55°C to +125°C
- Electrical rotation: 320° ±5°

MOUSER STOCK NO.	Values (Ω)	Price Each 1	5	10	25
594-14000102	1K	36.29	34.02	32.89	31.75
594-14000502	5K	36.29	34.02	32.89	31.75
594-14000103	10K	36.29	34.02	32.89	31.75
594-14000203	20K	42.24	39.60	38.28	36.96

MODEL 657 5/8" SEALED SINGLE-TURN PRECISION CONDUCTIVE PLASTIC ON ALUMINA SUBSTRATE

DIMENSIONS (IN)



Mechanical Specifications:
- Rotation: 250° ±2°
- Stop strength: 10 in-lb. max.

Electrical Specifications:
- Tolerance: standard ±20%
- Linearity: ±5%
- Rotation: 240° ±4°
- Power rating: 1.0W @ 85°C

Enviro mental:
- Rotational life: 1 million cycles
- Operating temperature: -40°C to +125°C

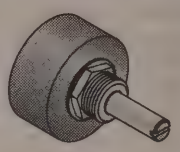
Features:
- Conductive plastic on alumina substrate
- Sealed

Price Each 1	5	10	25
13.95	10.95	8.50	7.75

Value (Ω)	MOUSER STOCK NO.
1K	594-657-0-0-102
2K	594-657-0-0-202
5K	594-657-0-0-502
10K	594-657-0-0-103
20K	594-657-0-0-203
50K	594-657-0-0-503
100K	594-657-0-0-104

MODEL 357 7/8" SINGLE TURN CONDUCTIVE PLASTIC

Specifications:
- Plain and slotted shaft available
- Power rating: 1.0 W @ 70°C derated to 0 W @ 125°C
- Linearity: ±2%
- Tolerance: ±20°
- Rotation: 360° continuous
- Nut and washer included

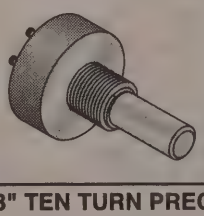


Price Each 1	5	10	
14.88	11.90	10.71	9

Value (Ω)	MOUSER STOCK NO.
1K	594-357-00-102
2K	594-357-00-202
5K	594-357-00-502
10K	594-357-00-103

MODEL 157 PRECISION INDUSTRIAL POTENTIOMETER

Specifications:
- Power rating: 1.0 W @ 40°C derated to 0 W @ 125°C
- Resistance tolerance: ±20°
- Temperature coefficient: ±600ppm/°C
- Electrical rotation: 340° ±4°
- Rugged one piece metal housing
- No mechanical stops
- Nut and washer included on bushing mount



Price Each 1	5	10	
18.53	14.82	13.34	1

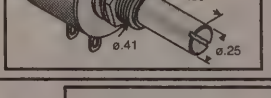
Value (Ω)	MOUSER STOCK NO.
1K	594-15711102
2K	594-15711202
5K	594-15711502
10K	594-15711103
20K	594-15711203
50K	594-15711503

MODEL 534/536 7/8" TEN TURN PRECISION WIREWOUN

Specifications:
- Power rating: 3.09W @ 40°C derated linearly to 0W @ 125°C
- Linearity: ±0.25%
- Tolerance: ±5%
- Temperature coefficient: ±20ppm/°C
- Temperature range: -55°C to +125°C

Features:
- High power rating
- Rugged integrated construction
- Superior stop strength

DIMENSIONS (IN)



For quantities of up, call for

Metal Shaft

MOUSER STOCK NO.	Values (Ω)	Price Each 1	5	
594-53411101	100	8.67	8.13	
594-53411201	200	8.67	8.13	
594-53411501	500	8.67	8.13	
594-53411102	1K	8.67	8.13	
594-53411202	2K	8.67	8.13	
594-53411502	5K	8.67	8.13	
594-53411103	10K	8.67	8.13	
594-53411203	20K	8.67	8.13	
594-53411503	50K	11.95	11.21	1
594-53411104	100K	11.95	11.21	1

Plastic Shaft

594-53611101	100	8.64	8.10	
594-53611201	200	8.64	8.10	
594-53611501	500	8.64	8.10	
594-53611102	1K	8.64	8.10	
594-53611202	2K	8.64	8.10	
594-53611502	5K	8.64	8.10	
594-53611103	10K	8.64	8.10	
594-53611203	20K	8.64	8.10	
594-53611503	50K	12.48	11.70	1
594-53611104	100K	12.48	11.70	1

PRECISION DIALS METAL SHAFT

Features:
- Large, easy to read numbers
- Positive brake action
- Shaft bore is .250"

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	No. of Turns	Minor Scale	Finish Chrome	Size (In.) W	H	Price Each 1	5	10	25
594-16111	016-1-11	A	15	1/50	Clear anodized	.875	.875	9.68	9.31	8.96	8.64
594-11111	011-1-11	A	11	1/50	Satin	1.0	.826	18.25	17.45	16.77	16.18
594-21111	021-1-11	A	15	1/100	Satin	1.81	1.0	19.00	18.20	17.51	16.89
594-15111	015-1-11	B	10	1/100	Satin	1.0	1.75	17.04	16.38	15.78	15.21

A

B

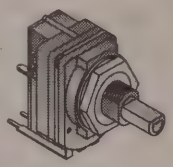
ALPHA Rotary, Motor Driven, & Slide Potentiometers

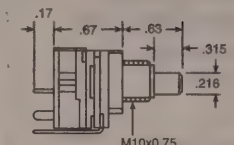
ALPHA

M PC MOUNT LINEAR TAPER WITH SWITCH

DIMENSIONS (IN)

- d voltage: 200VDC
- d wattage: 0.2W
- ation resistance: >100MΩ
- down voltage: 1000VAC for 1 minute
- h contact resistance: <100mΩ
- h rating: 250VAC, 10A
- ance: <1M: ±20%, ≥1M: ±30%
- ional life: 100,000 cycles
- Switch life: 10,000 operations
- Rotation angle: 270°±5°
- Switch circuit: SPST
- "D" shaft (nylon)





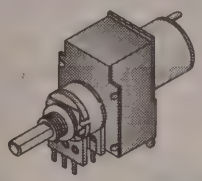
For quantities of 500 and up, call for quote.

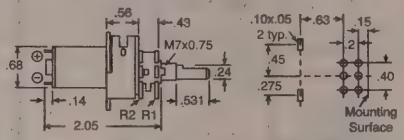
MOUSER STOCK NO.	Values (Ω)	Price Each 1	10	100
310-1600-Value	5K, 10K, 50K, 500K	2.40	2.00	1.82

TOR DRIVEN PC MOUNT

DIMENSIONS (IN)

- ional speed (sec/300°): 11±3
- 5VDC)
- mum operating current (mA): 100 @
- on, 150 @ end slip
- r voltage (VDC): 3–6 (4.5 standard)
- volume control
- shaft-dual unit





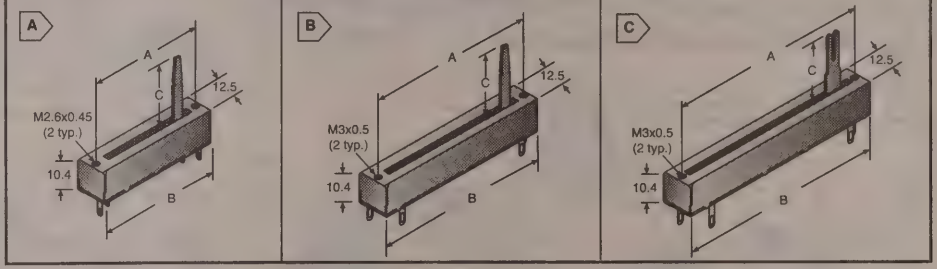
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Tolerance	Rotational Torque	Price Each 1	10	100
316-1020-Value	10K, 50K, 100K	±20%	100~450gf/cm	9.98	8.98	7.49

DE POTENTIOMETERS

KNOBS FOR SLIDE POTENTIOMETERS	
a cross reference to show which knob will fit on slide potentiometer.	
otentiometer Part No.	Knob Part No.
9000-value 9100-value	450-3051, & 450-3052
9301-value 9401-value	450-3051, 450-3052 & 45KN151
9201-value 9302-value	450-3051, 450-3052 & 45KN151
ollowing potentiometers do not require a knob: 19A-value, 312-619A-value, 312-319B-value 19B-value, & 312-9500-value	

DIMENSIONS (mm)



e potentiometers contain quality carbon composition elements for long life and noise-free operation.

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Stock Values (Ω) Other Values Available on Request	Watts	Insulation Resistance @ 500VDC	Withstanding Voltage For 1 Minute	Lever Travel	Dimensions (mm.) A	B	C	Price Each 1	10	100	500
lo Taper													
9000-Value	A	1K, 5K, 10K, 50K, 100K	0.1	50MΩ	300VAC	30	45	50.2	20	1.18	.91	.83	.75
ar Taper													
9100-Value	A	500, 1K, 5K, 10K, 25K, 50K, 100K	0.2	50MΩ	300VAC	30	45	50.2	20	1.18	.91	.83	.75
9201-Value	B	1K, 5K, 10K, 20K, 100K, 500K, 1M	0.25	100MΩ	500VAC	45	65	73	20	1.39	1.16	1.06	.96
9302-Value	B	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, 1M	0.5	100MΩ	500VAC	60	80	88	20	1.83	1.52	1.39	1.26
9301-Value	C	1K, 2K, 5K, 10K, 50K, 100K	0.5	100MΩ	500VAC	60	80	88	15	1.83	1.53	1.40	1.26

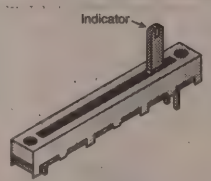
DE POTENTIOMETERS WITH COLOR INDICATOR

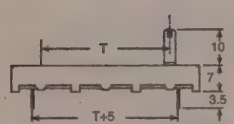
DIMENSIONS (mm)

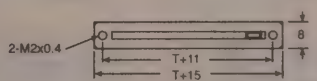
- : .2W
- noise: less than 47mV
- erature range: -10°C to +70°C
- ins

tems:
- dicator-no knob required
- ength: 30mm and 60mm
- ngth: 10mm

Options available subject to minimum order requirements:
Indicator colors: black, red, green, orange
Travel length: 20mm and 45mm
Lever length: 15mm and 20mm







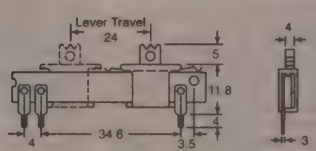
For quantities 1000 and up, call for quote.

OUSER OCK NO.	Values (Ω)	T (Travel)	Max. Working Voltage	Withstanding Voltage For 1 Minute	Insulation Resistance @ 500VDC	Price Each 1	10	100	500
) Taper									
19A-Value	5K, 10K, 50K, 100K	30mm	200VDC	300VAC	50MΩ	1.61	1.24	1.13	1.02
19A-Value	5K, 10K, 50K, 100K	60mm	200VDC	300VAC	50MΩ	1.80	1.39	1.27	1.14
r Taper									
19B-Value	1K, 5K, 10K, 50K, 100K	30mm	200VDC	300VAC	50MΩ	1.61	1.24	1.13	1.02
19B-Value	1K, 5K, 10K, 50K, 100K	60mm	200VDC	300VAC	50MΩ	1.80	1.39	1.27	1.14

MOUNT MINI-SLIDE POTENTIOMETERS

DIMENSIONS (mm)

- nce: ±20%
- travel: 20mm
- ob required
- down voltage for 1 min.: 250V
- tion resistance: 10MΩ @ 250VAC

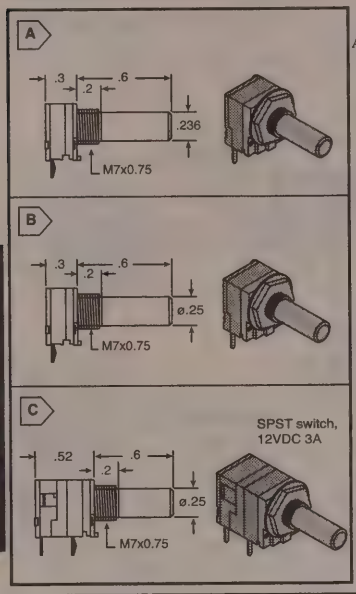


For quantities 1000 and up, call for quote.

OUSER OCK NO.	Description	Value (Ω)	Price Each 1	10	100	500
500-Value	Linear taper	1K, 5K, 10K, 50K, 100K	.97	.75	.68	.62

Snap-In, PC Mount, & Thumbwheel Potentiometers

• Knobs for rotary potentiometers on this page are found in the electromechanical section.



ALPHA 9MM PC MOUNT LINEAR TAPER POTENTIOMETERS

Electrical Specifications:
- Rated wattage: 0.05W
- Rated voltage: 50VAC

Mechanical Specifications:
- Rotation angle: 300°±5°
- Rotation torque: 20 to 250g/cm
- Tolerance: ±20%
- Insulation resistance: >100MΩ @ 250VDC
- Breakdown voltage: 300VAC for 1 minute

Values (Ω)
1K, 5K, 10K, 50K, 100K

DIMENSIONS (IN)

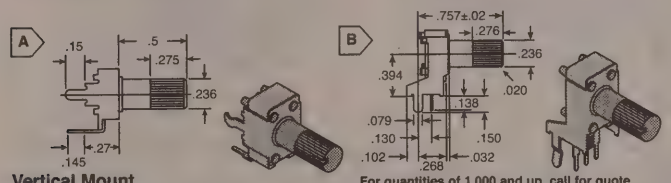
For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Price Each 1	10	100	500
311-1901-Value	A	3.05	2.54	2.31	2.10
311-1902-Value	B	3.15	2.62	2.38	2.17
311-1903-Value	C	5.17	4.29	3.85	2.22

ALPHA 9MM SNAP-IN POTENTIOMETERS

DIMENSIONS (IN)

Specifications:
- Rated voltage: 50VAC
- Rated wattage: 0.1W
- Tolerance: <1M: ±20%, ≥1M: ±30%
- Rotation angle: 280°±5°
- Rotational life: 10,000 cycles



Vertical Mount

For quantities of 1,000 and up, call for quote.

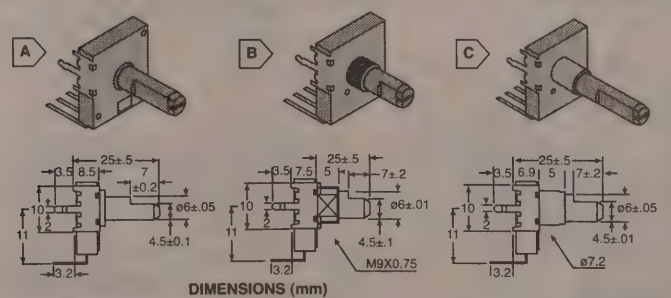
MOUSER STOCK NO.	Fig.	Taper	Value (Ω)	Price Each 1	10	100	500
317-2080-Value	A	Audio	1K, 2K, 5K, 10K	.98	.82	.75	.68
317-2090-Value	A	Linear	50K, 100K, 500K, 1M	.98	.82	.75	.68

Horizontal Mount

317-2081-Value	B	Audio	1K, 2K, 5K, 10K	.98	.82	.75	.68
317-2091-Value	B	Linear	50K, 100K, 500K, 1M	.98	.82	.75	.68

ALPHA 11MM SNAP-IN POTENTIOMETERS

Specifications:
- Rated voltage: 150V linear 100V audio
- Rated wattage: 0.08W linear 0.04W audio
- Tolerance: < 1M ± 20% ≥ 1M ± 30%
- Rotational angle: 300° ± 5°
- Rotational life: 10,000 cycles



DIMENSIONS (mm)

Vertical Mount

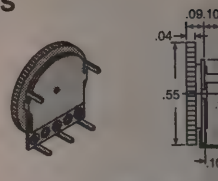
For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Taper	Value (Ω)	Price Each 1	10	100	500
317-2200-Value	A	Linear	1K, 2K, 5K, 10K, 50K	2.16	1.44	1.31	1.19
317-2201-Value	B	Linear	100K, 500K, 1M	2.31	1.54	1.40	1.28
317-2202-Value	C	Linear	----------	2.31	1.54	1.40	1.28
317-2100-Value	A	Audio	----------	2.16	1.44	1.31	1.19
317-2101-Value	B	Audio	----------	2.31	1.54	1.40	1.28
317-2102-Value	C	Audio	----------	2.31	1.54	1.40	1.28

ALPHA 10MM SUBMINIATURE THUMBWHEEL PC MOUNT POTENTIOMETERS

Specifications:
- Power rating: .03W
- Rotation angle: 270° ±5°
- Linear taper
- Complete with knob
- Rotation torque: 10-100gf-cm
- Rotation life: 10,000 cycles
- Resistance tolerance: <1M: ±20%, ≥1M: ±30%

DIMENSIONS (IN)



For quantities of 1,000 and up, call fo

MOUSER STOCK NO.	Value (Ω)	Price Each 1	10	100
312-1001-Value	1K, 5K, 10K, 50K, 100K, 500K, 1M	1.13	.94	.86

ALPHA 12MM MINIATURE THUMBWHEEL POTENTIOMETERS WITH 25mm KNOB

Specifications:
- Resistance tolerance: ±20%
- Switch contact rating: 12VDC-1A

For quantities of 1,000 and up, call fo

MOUSER STOCK NO.	Fig.	Stock Values (Ω) Other Values Available on Request	Price Each 1	10	100
Audio Taper Voltage, max.: 100V Wattage: .04W					
311-1201-Value	A	1K, 10K, 500K	.87	.73	.66
311-1202-Value	B	5K, 10K, 50K, 100K, 500K	.87	.73	.66
311-1204-Value	C	1K, 5K, 10K, 50K, 500K	.96	.80	.73
Linear Taper Voltage, max.: 150V Wattage: .08W					
311-1205-Value	A	10K	.87	.73	.66
311-1206-Value	B	5K, 10K, 100K	.87	.73	.66

XICON 16MM THUMBWHEEL POTENTIOMETERS

Specifications:
- Rotation Angle: 220 +/- 5
- Insulation Resistance: 100M @ 100VDC
- Tolerance: +/- 20%
- Rotational Life: 10000 cycles

* Available in linear taper only.
Does not come with a knob.
Please choose from the knobs listed below.

For quantities of 1,000 and up, call fo

MOUSER STOCK NO.	Fig.	Taper	Switch	Stocked Values	Price Each 1	10	100
311-1600-Value	A	Linear	N		.97	.82	.74
311-1601-Value	A	Audio	N	100*, 500, 1K, 5K, 10K	.97	.82	.74
311-1700-Value	B	Linear	Y	50K, 100K, 500K,1M	1.12	.95	.85
311-1701-Value	B	Audio	Y		1.12	.95	.85

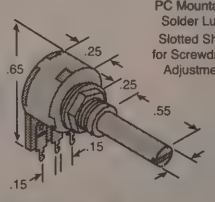
epd eagle plastic devices Vertical Thumbwheel Knobs

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Mount Numbers		Price Each 1	100	1000
450-0009	Left	0-9	.39	.25	.22
450-0010	Left	9-0	.39	.25	.22
450-0011	Right	0-9	.39	.25	.22
450-0012	Right	9-0	.39	.25	.22

XICON 13MM CARBON COMPOSITION

Specifications:
- Resistance tolerance: ±20%
- Wattage rating: 0.1W
- Anti-rotational torque: 3 Kg-cm
- Operational temperature: -10°C to +70°C
- Breakdown voltage: 500V @ 60 seconds
- Rotational life: 5,000 cycles
- Linear taper
- Bushing: M6x0.75



DIMENSIONS (IN)

For quantities of 1,000 and up, call f

MOUSER STOCK NO.	Value (Ω)	Price Each 1	10	100
31CX301	1K	2.11	1.76	1.60
31CX305	5K	2.11	1.76	1.60
31CX401	10K	2.11	1.76	1.60
31CX405	50K	2.11	1.76	1.60
31CX501	100K	2.11	1.76	1.60
31CX505	500K	2.11	1.76	1.60
31CX601	1M	2.11	1.76	1.60

NGLE POT SOLDER LUG

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Alpha Stock No.	Fig.	Taper	Value (Ω)	Price Each 1	10	100	500
313-1200-1K	RV120-10-15F-A1K	A	Audio	1K	1.99	1.40	1.16	1.05
313-1200-5K	RV120-10-15F-A5K	A	Audio	5K	1.99	1.40	1.16	1.05
313-1200-10K	RV120-10-15F-A10K	A	Audio	10K	1.99	1.40	1.16	1.05
313-1200-50K	RV120-10-15F-A50K	A	Audio	50K	1.99	1.40	1.16	1.05
313-1200-100K	RV120-10-15F-A100K	A	Audio	100K	1.99	1.40	1.16	1.05
313-1200-500K	RV120-10-15F-A500K	A	Audio	500K	1.99	1.40	1.16	1.05
313-1200-1M	RV120-10-15F-A1M	A	Audio	1M	1.99	1.40	1.16	1.05
313-1210-1K	RV120-10-15F-B1K	A	Linear	1K	1.99	1.40	1.16	1.05
313-1210-5K	RV120-10-15F-B5K	A	Linear	5K	1.99	1.40	1.16	1.05
313-1210-10K	RV120-10-15F-B10K	A	Linear	10K	1.99	1.40	1.16	1.05
313-1210-50K	RV120-10-15F-B50K	A	Linear	50K	1.99	1.40	1.16	1.05
313-1210-100K	RV120-10-15F-B100K	A	Linear	100K	1.99	1.40	1.16	1.05
313-1210-500K	RV120-10-15F-B500K	A	Linear	500K	1.99	1.40	1.16	1.05
313-1210-1M	RV120-10-15F-B1M	A	Linear	1M	1.99	1.40	1.16	1.05

ures:
tation Angle: +/- 300°
ted Wattage: Linear Taper 0.08W
Audio Tapers 0.04W
ed Voltage: Linear 150V,
Audio 100V
tation Life: 15,000 Cycles
minations: Solder Lugs
t / "D" Shaft: 6.0mm diameter

NGLE POT PC MOUNT

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Alpha Stock No.	Fig.	Taper	Value (Ω)	Price Each 1	10	100	500
313-1220-1K	RV120-20-15F-A1K	B	Audio	1K	1.99	1.40	1.16	1.05
313-1220-5K	RV120-20-15F-A5K	B	Audio	5K	1.99	1.40	1.16	1.05
313-1220-10K	RV120-20-15F-A10K	B	Audio	10K	1.99	1.40	1.16	1.05
313-1220-50K	RV120-20-15F-A50K	B	Audio	50K	1.99	1.40	1.16	1.05
313-1220-100K	RV120-20-15F-A100K	B	Audio	100K	1.99	1.40	1.16	1.05
313-1220-500K	RV120-20-15F-A500K	B	Audio	500K	1.99	1.40	1.16	1.05
313-1220-1M	RV120-20-15F-A1M	B	Audio	1M	1.99	1.40	1.16	1.05
313-1230-1K	RV120-20-15F-B1K	B	Linear	1K	1.99	1.40	1.16	1.05
313-1230-5K	RV120-20-15F-B5K	B	Linear	5K	1.99	1.40	1.16	1.05
313-1230-10K	RV120-20-15F-B10K	B	Linear	10K	1.99	1.40	1.16	1.05
313-1230-50K	RV120-20-15F-B50K	B	Linear	50K	1.99	1.40	1.16	1.05
313-1230-100K	RV120-20-15F-B100K	B	Linear	100K	1.99	1.40	1.16	1.05
313-1230-500K	RV120-20-15F-B500K	B	Linear	500K	1.99	1.40	1.16	1.05
313-1230-1M	RV120-20-15F-B1M	B	Linear	1M	1.99	1.40	1.16	1.05

ures:
tation Angle: +/- 300°
ted Wattage: Linear Taper 0.08W
Audio Tapers 0.04W
ed Voltage: Linear 150V,
Audio 100V
tation Life: 15,000 Cycles
minations: PC Mount
t / "D" Shaft: 6.0mm diameter

AL POT PC MOUNT

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Alpha Stock No.	Fig.	Taper	Value (Ω)	Price Each 1	10	100	500
313-1240-1K	RV122-20-15F-A1K	C	Audio	1K	2.84	1.89	1.72	1.56
313-1240-5K	RV122-20-15F-A5K	C	Audio	5K	2.84	1.89	1.72	1.56
313-1240-10K	RV122-20-15F-A10K	C	Audio	10K	2.84	1.89	1.72	1.56
313-1240-50K	RV122-20-15F-A50K	C	Audio	50K	2.84	1.89	1.72	1.56
313-1240-100K	RV122-20-15F-A100K	C	Audio	100K	2.84	1.89	1.72	1.56
313-1240-500K	RV122-20-15F-A500K	C	Audio	500K	2.84	1.89	1.72	1.56
313-1240-1M	RV122-20-15F-A1M	C	Audio	1M	2.84	1.89	1.72	1.56
313-1250-1K	RV122-20-15F-B1K	C	Linear	1K	2.84	1.89	1.72	1.56
313-1250-5K	RV122-20-15F-B5K	C	Linear	5K	2.84	1.89	1.72	1.56
313-1250-10K	RV122-20-15F-B10K	C	Linear	10K	2.84	1.89	1.72	1.56
313-1250-50K	RV122-20-15F-B50K	C	Linear	50K	2.84	1.89	1.72	1.56
313-1250-100K	RV122-20-15F-B100K	C	Linear	100K	2.84	1.89	1.72	1.56
313-1250-500K	RV122-20-15F-B500K	C	Linear	500K	2.84	1.89	1.72	1.56
313-1250-1M	RV122-20-15F-B1M	C	Linear	1M	2.84	1.89	1.72	1.56

ures:
ation Angle: +/- 300°
ed Wattage: Linear Taper 0.08W
Audio Tapers 0.04W
ed Voltage: Linear 150V,
Audio 100V
ation Life: 15,000 Cycles
minations: PC Mount
: / "D" Shaft: 6.0mm diameter

ASTIC SHAFT SINGLE POT PC MOUNT

313-1280-1K	RV120D-20-15A-A1K	D	Audio	1K	1.82	1.21	1.00	.91
313-1280-5K	RV120D-20-15A-A5K	D	Audio	5K	1.82	1.21	1.00	.91
313-1280-10K	RV120D-20-15A-A10K	D	Audio	10K	1.82	1.21	1.00	.91
313-1280-50K	RV120D-20-15A-A50K	D	Audio	50K	1.82	1.21	1.00	.91
313-1280-100K	RV120D-20-15A-A100K	D	Audio	100K	1.82	1.21	1.00	.91
313-1280-500K	RV120D-20-15A-A500K	D	Audio	500K	1.82	1.21	1.00	.91
313-1280-1M	RV120D-20-15A-A1M	D	Audio	1M	1.82	1.21	1.00	.91
313-1285-1K	RV120D-20-15A-B1K	D	Linear	1K	1.82	1.21	1.00	.91
313-1285-5K	RV120D-20-15A-B5K	D	Linear	5K	1.82	1.21	1.00	.91
313-1285-10K	RV120D-20-15A-B10K	D	Linear	10K	1.82	1.21	1.00	.91
313-1285-50K	RV120D-20-15A-B50K	D	Linear	50K	1.82	1.21	1.00	.91
313-1285-100K	RV120D-20-15A-B100K	D	Linear	100K	1.82	1.21	1.00	.91
313-1285-500K	RV120D-20-15A-B500K	D	Linear	500K	1.82	1.21	1.00	.91
313-1285-1M	RV120D-20-15A-B1M	D	Linear	1M	1.82	1.21	1.00	.91

ures:
tion Angle: +/- 300°
ed Wattage: Linear Taper 0.08W
Audio Tapers 0.04W
ed Voltage: Linear 150V,
Audio 100V
tion Life: 15,000 Cycles
minations: PC Mount
/ "D" Shaft: 6.0mm diameter

ASTIC SHAFT DUAL POT PC MOUNT

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Alpha Stock No.	Fig.	Taper	Value (Ω)	Price Each 1	10	100	500
313-1290-1K	RV122D-20-15A-A1K	E	Audio	1K	1.99	1.40	1.16	1.05
313-1290-5K	RV122D-20-15A-A5K	E	Audio	5K	1.99	1.40	1.16	1.05
313-1290-10K	RV122D-20-15A-A10K	E	Audio	10K	1.99	1.40	1.16	1.05
313-1290-50K	RV122D-20-15A-A50K	E	Audio	50K	1.99	1.40	1.16	1.05
313-1290-100K	RV122D-20-15A-A100K	E	Audio	100K	1.99	1.40	1.16	1.05
313-1290-500K	RV122D-20-15A-A500K	E	Audio	500K	1.99	1.40	1.16	1.05
313-1290-1M	RV122D-20-15A-A1M	E	Audio	1M	1.99	1.40	1.16	1.05
313-1295-1K	RV122D-20-15A-B1K	E	Linear	1K	1.99	1.40	1.16	1.05
313-1295-5K	RV122D-20-15A-B5K	E	Linear	5K	1.99	1.40	1.16	1.05
313-1295-10K	RV122D-20-15A-B10K	E	Linear	10K	1.99	1.40	1.16	1.05
313-1295-50K	RV122D-20-15A-B50K	E	Linear	50K	1.99	1.40	1.16	1.05
313-1295-100K	RV122D-20-15A-B100K	E	Linear	100K	1.99	1.40	1.16	1.05
313-1295-500K	RV122D-20-15A-B500K	E	Linear	500K	1.99	1.40	1.16	1.05
313-1295-1M	RV122D-20-15A-B1M	E	Linear	1M	1.99	1.40	1.16	1.05

ures:
tion Angle: +/- 300°
ed Wattage: Linear Taper 0.08W
Audio Tapers 0.04W
ed Voltage: Linear 150V,
Audio 100V
tion Life: 15,000 Cycles
minations: PC Mount
/ "D" Shaft: 6.0mm diameter

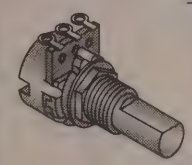
DIMENSIONS mm

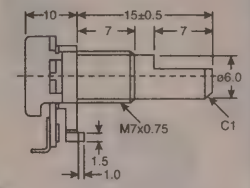
One hex nut and one washer are included with each potentiometer.

If needed, additional hardware is available.

Knobs are found in the knob pages of the electromechanical section.

A





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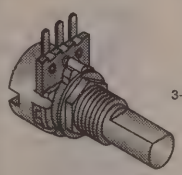

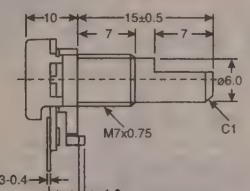

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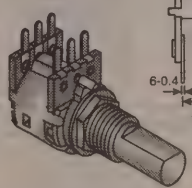
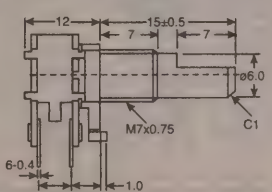
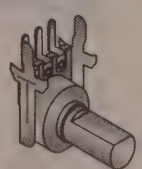
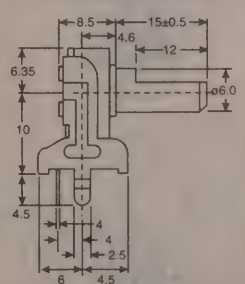




D





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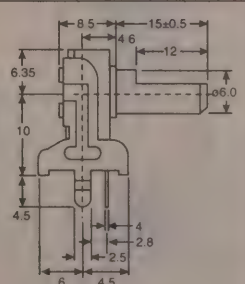


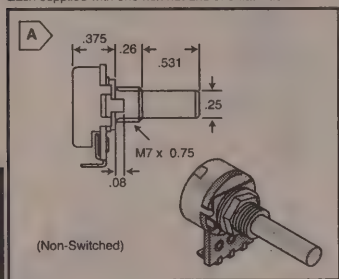
ALPHA Miniature Potentiometers

16MM MINIATURE CARBON COMPOSITION

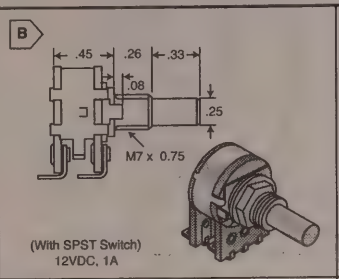
• Rated voltage: 200VDC linear; 150V audio • Rotation angle: 300°±5° • Insulation resistance: >100MΩ • Breakdown voltage: 500VAC for 1 minute • Tolerance: <1M: ±20%, ≥1M: ±30%

Each supplied with one hex nut and one flat washer

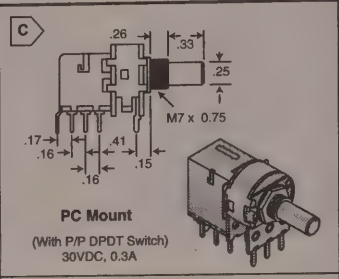
DIMENSIONS (



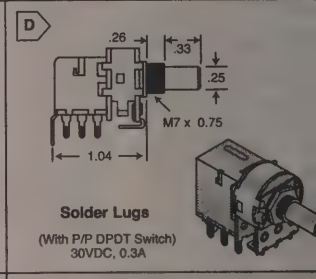
(Non-Switched)



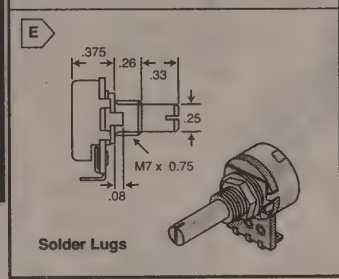
(With SPST Switch)
12VDC, 1A



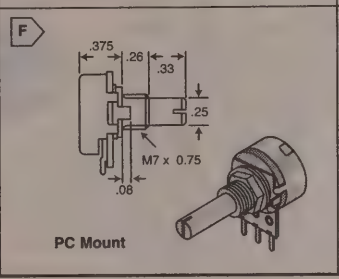
PC Mount
(With P/P DPDT Switch)
30VDC, 0.3A



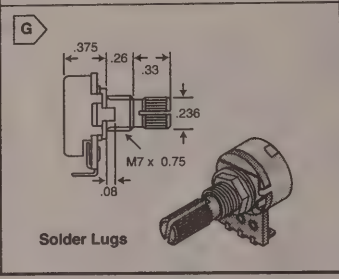
Solder Lugs
(With P/P DPDT Switch)
30VDC, 0.3A



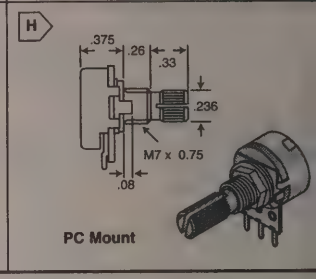
Solder Lugs



PC Mount



Solder Lugs



PC Mount

Linear & Audio Taper

Shaft (L): .53"; 0.125 Watts; Linear Taper

MOUSER STOCK NO.		Fig.	Value (Ω)
Linear	Audio		
31JN301	31JA301	A	1K
31JN302	31JA302	A	2K
31JN305	31JA305	A	5K
31JN401	31JA401	A	10K
31JN405	31JA405	A	50K
31JN501	31JA501	A	100K
31JN505	31JA505	A	500K
31JN601	31JA601	A	1MEG

Price Each			
1	10	100	500
1.27	1.05	.87	.74

Linear Taper

0.2 Watts

For quantities of 1000 and up, call for

MOUSER STOCK NO.	Fig.	Taper	Description	Value (Ω)	Price Each		
					1	10	100
313-1000-Value	A	Linear	- - -	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, 1M	1.21	1.05	.92
313-2000-Value	A	Linear	Center Detent	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, & 1M	1.44	1.19	1.09
313-3000-Value	A	Linear	11 detent positions	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, & 1M	1.74	1.45	1.32
313-1100-Value	B	Linear	With SPST switch	1K, 5K, 10K, 50K, 100K, 500K, & 1M	2.05	1.71	1.55
313-1600-Value	C	Linear	With DPDT switch	1K, 10K, 50K, & 100K	3.75	3.12	2.84
313-1601-Value	D	Linear	With DPDT switch	1K, 5K, 10K, 50K, 100K, 250K, 500K	3.75	3.12	2.84

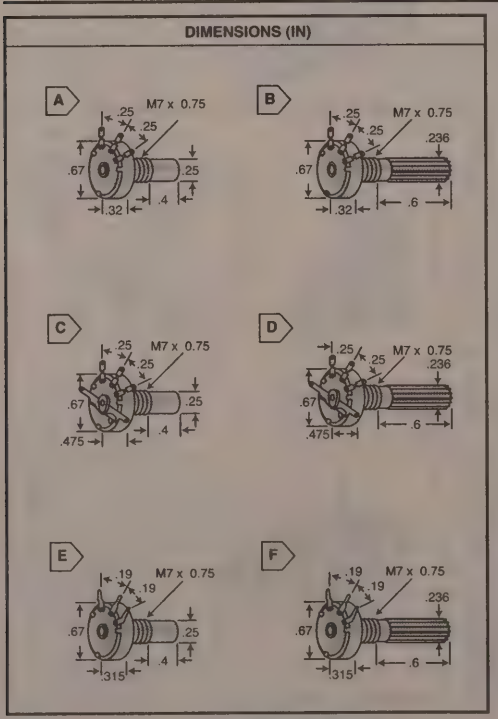
Audio Taper

0.125 Watts; .33" Shaft Length

For quantities of 1000 and up, call for

MOUSER STOCK NO.	Fig.	Description	Value (Ω)	Price Each		
				1	10	100
313-1500-Value	E	Screwdriver Shaft, Solder Lug	1K,2K,5K,10K,25K,50K,100K,250K,500K,1M	1.31	1.08	.95
313-1510-Value	F	Screwdriver Shaft, PC Mount	1K,2K,5K,10K,25K,50K,100K,250K,500K,1M	1.31	1.08	.95
313-1520-Value	G	Knurled Shaft, Solder Lugs	1K,2K,5K,10K,25K,50K,100K,250K,500K,1M	1.35	1.13	.99
313-1530-Value	H	Knurled Shaft, PC Mount	1K,2K,5K,10K,25K,50K,100K,250K,500K,1M	1.35	1.13	.99
313-4000-Value	A	Round Shaft, Solder Lugs, 11 Detents	10K,50K,100K,1M	1.74	1.45	1.32

DIMENSIONS (IN)



17MM MINIATURE CARBON COMPOSITION

Potentiometers have aluminum shafts, bushings, body is plated steel with bakelite rear plate. Contacts and terminals are silver plated brass. Each is supplied with one hex nut and one flat washer. Tolerance: ±20%

Linear Taper

• Rated: 0.1W

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31CN205	A	500	1.02	.79	.62	.56
31CN301	A	1K	1.02	.79	.62	.56
31CN302	A	2K	1.02	.79	.62	.56
31CN305	A	5K	1.02	.79	.62	.56
31CN401	A	10K	1.02	.79	.62	.56
31CN405	A	50K	1.02	.79	.62	.56
31CN501	A	100K	1.02	.79	.62	.56
31CN505	A	500K	1.02	.79	.62	.56
31CN601	A	1 MEG	1.02	.79	.62	.56
31CN602	A	2 MEG	1.02	.79	.62	.56
31CR205	B	500	1.12	.87	.68	.62
31CR301	B	1K	1.12	.87	.68	.62
31CR305	B	5K	1.12	.87	.68	.62
31CR401	B	10K	1.12	.87	.68	.62
31CR405	B	50K	1.12	.87	.68	.62
31CR501	B	100K	1.12	.87	.68	.62
31CR505	B	500K	1.12	.87	.68	.62

Linear Taper with Switch

• Rated: 0.1W

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31CQ301	C	1K	1.13	.91	.71	.64
31CQ305	C	5K	1.13	.91	.71	.64
31CQ401	C	10K	1.13	.91	.71	.64
31CQ405	C	50K	1.13	.91	.71	.64
31CQ501	C	100K	1.13	.91	.71	.64
31CQ505	C	500K	1.13	.91	.71	.64
31CQ601	C	1 MEG	1.13	.91	.71	.64

Audio Taper with Switch

• Rated: .05W

For quantities of 1000 and up, call for

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each		
			1	10	100
31CC301	C	1K	1.13	.91	.71
31CC305	C	5K	1.13	.91	.71
31CC401	C	10K	1.13	.91	.71
31CC501	C	100K	1.13	.91	.71
31CB301	D	1K	1.24	1.00	.78
31CB305	D	5K	1.24	1.00	.78
31CB401	D	10K	1.24	1.00	.78
31CB501	D	100K	1.24	1.00	.78

Linear Taper PC Mount

• Rated: 0.1W

For quantities of 1000 and up, call for

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each		
			1	10	100
31CW205	E	500	1.02	.79	.62
31CW301	E	1K	1.02	.79	.62
31CW305	E	5K	1.02	.79	.62
31CW401	E	10K	1.02	.79	.62
31CW405	E	50K	1.02	.79	.62
31CW501	E	100K	1.02	.79	.62
31CW505	E	500K	1.02	.79	.62
31CW601	E	1 MEG	1.02	.79	.62
31CA205	F	500	1.12	.87	.68
31CA301	F	1K	1.12	.87	.68
31CA305	F	5K	1.12	.87	.68
31CA401	F	10K	1.12	.87	.68
31CA405	F	50K	1.12	.87	.68
31CA501	F	100K	1.12	.87	.68

MOUSER ELECTRONICS a tti company

ALPHA 24mm Potentiometers

ALPHA

hanical Specifications:
al rotation angle 300°±5°
tational torque: 20–200 g-cm
rbon composition

trical Specifications:
ted wattage: Linear taper-1/2 watt, Audio taper-1/4 watt
ted voltage: Linear taper-500VDC, Audio taper-250VDC
ulation resistance: >100MΩ (500VDC)
thstanding voltage: 500VAC for 1 minute
sistance tolerance: <1M: ±20%, ≥1M: ±30%
" shaft diameter

OLDER LUGS

dio Taper, (.335") Shaft Length *

For quantities 1000 and up, call for quote.

OUSER OCK NO.	Fig.	Value (Ω)	Price Each 1	10	100	500
VJ301	A	1K	1.25	.96	.87	.80
VJ305	A	5K	1.25	.96	.87	.80
VJ401	A	10K	1.25	.96	.87	.80
VJ405	A	50K	1.25	.96	.87	.80
VJ501	A	100K	1.25	.96	.87	.80
VJ505	A	500K	1.25	.96	.87	.80
VJ601	A	1Meg	1.25	.96	.87	.80

ear Taper, (.335") Shaft Length *

VA205	A	500	1.25	.96	.87	.80
VA301	A	1K	1.25	.96	.87	.80
VA302	A	2K	1.25	.96	.87	.80
VA303	A	2.5K	1.25	.96	.87	.80
VA305	A	5K	1.25	.96	.87	.80
VA401	A	10K	1.25	.96	.87	.80
VA403	A	25K	1.25	.96	.87	.80
VA405	A	50K	1.25	.96	.87	.80
VA501	A	100K	1.25	.96	.87	.80
VA503	A	250K	1.25	.96	.87	.80
VA505	A	500K	1.25	.96	.87	.80
VA601	A	1 Meg	1.25	.96	.87	.80
VA602	A	2 Meg	1.25	.96	.87	.80
VA605	A	5 Meg	1.25	.96	.87	.80

ear Taper, (1.32") Shaft Length *

For quantities 1000 and up, call for quote.

OUSER OCK NO.	Fig.	Value (Ω)	Price Each 1	10	100	500
VC205	A	500	1.20	1.00	.91	.83
VC301	A	1K	1.20	1.00	.91	.83
VC302	A	2K	1.20	1.00	.91	.83
VC303	A	2.5K	1.20	1.00	.91	.83
VC305	A	5K	1.20	1.00	.91	.83
VC401	A	10K	1.20	1.00	.91	.83
VC403	A	25K	1.20	1.00	.91	.83
VC405	A	50K	1.20	1.00	.91	.83
VC501	A	100K	1.20	1.00	.91	.83
VC503	A	250K	1.20	1.00	.91	.83
VC505	A	500K	1.20	1.00	.91	.83
VC601	A	1 Meg	1.20	1.00	.91	.83
VC605	A	5 Meg	1.20	1.00	.91	.83

dio Taper W/SPST Switch, (.335") Shaft Length *

XP301	B	1K	1.72	1.43	1.30	1.19
XP305	B	5K	1.72	1.43	1.30	1.19
XP401	B	10K	1.72	1.43	1.30	1.19
XP405	B	50K	1.72	1.43	1.30	1.19
XP501	B	100K	1.72	1.43	1.30	1.19
XP505	B	500K	1.72	1.43	1.30	1.19
XP601	B	1Meg	1.72	1.43	1.30	1.19

ear Taper W/SPST Switch, (.335") Shaft Length *

OUSER OCK NO.	Fig.	Value (Ω)	Price Each 1	10	100	500
VM205	B	500	1.72	1.43	1.30	1.19
VM301	B	1K	1.72	1.43	1.30	1.19
VM303	B	2.5K	1.72	1.43	1.30	1.19
VM305	B	5K	1.72	1.43	1.30	1.19
VM401	B	10K	1.72	1.43	1.30	1.19
VM403	B	25K	1.72	1.43	1.30	1.19
VM405	B	50K	1.72	1.43	1.30	1.19
VM501	B	100K	1.72	1.43	1.30	1.19
VM503	B	250K	1.72	1.43	1.30	1.19
VM505	B	500K	1.72	1.43	1.30	1.19
VM601	B	1 Meg	1.72	1.43	1.30	1.19

ear Taper W/SPDT Switch, (.335") Shaft Length

MOUSER TOCK NO.	Fig.	Value (Ω)	Price Each 1	10	100
-2415-Value	C	1K, 5K, 10K, 25K, 50K, 100K, 250K, 500K,1M	2.72	2.27	2.06

SOLDER LUGS

Linear Taper W/Knurled Shaft, (.531") Shaft Length

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each 1	10	100	500
31VF205	D	500	1.25	.96	.87	.80
31VF301	D	1K	1.25	.96	.87	.80
31VF302	D	2K	1.25	.96	.87	.80
31VF305	D	5K	1.25	.96	.87	.80
31VF401	D	10K	1.25	.96	.87	.80
31VF405	D	50K	1.25	.96	.87	.80
31VF501	D	100K	1.25	.96	.87	.80
31VF503	D	250K	1.25	.96	.87	.80
31VF505	D	500K	1.25	.96	.87	.80
31VF601	D	1 Meg	1.25	.96	.87	.80
31VF602	D	2 Meg	1.25	.96	.87	.80

Dual Ganged Linear Taper, (.335") Shaft Length

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each 1	10	100	500
31VW205	E	500	2.35	1.96	1.78	1.62
31VW301	E	1K	2.35	1.96	1.78	1.62
31VW305	E	5K	2.35	1.96	1.78	1.62
31VW401	E	10K	2.35	1.96	1.78	1.62
31VW405	E	50K	2.35	1.96	1.78	1.62
31VW501	E	100K	2.35	1.96	1.78	1.62
31VW503	E	250K	2.35	1.96	1.78	1.62
31VW505	E	500K	2.35	1.96	1.78	1.62
31VW601	E	1 Meg	2.35	1.96	1.78	1.62

Dual Ganged Audio Taper, (.335") Shaft Length

313-2420-1K	E	1K	2.35	1.96	1.78	1.62
313-2420-5K	E	5K	2.35	1.96	1.78	1.62
313-2420-10K	E	10K	2.35	1.96	1.78	1.62
313-2420-50K	E	50K	2.35	1.96	1.78	1.62
313-2420-100K	E	100K	2.35	1.96	1.78	1.62
313-2420-250K	E	250K	2.35	1.96	1.78	1.62
313-2420-500K	E	500K	2.35	1.96	1.78	1.62
313-2420-1M	E	1Meg	2.35	1.96	1.78	1.62

PCB TERMINALS

Linear Taper, (.335") Shaft Length

31VQ205	F	500	1.27	.98	.89	.81
31VQ301	F	1K	1.27	.98	.89	.81
31VQ305	F	5K	1.27	.98	.89	.81
31VQ401	F	10K	1.27	.98	.89	.81
31VQ403	F	25K	1.27	.98	.89	.81
31VQ405	F	50K	1.27	.98	.89	.81
31VQ501	F	100K	1.27	.98	.89	.81
31VQ503	F	250K	1.27	.98	.89	.81
31VQ505	F	500K	1.27	.98	.89	.81
31VQ601	F	1 Meg	1.27	.98	.89	.81

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each 1	10	100
314-1410-Value	G	1K, 5K, 10K, 50K, 100K, 200K, 500K,1M	1.25	.96	.87

SOLDER LUGS "D" SHAFT

Audio Taper, (.334") Shaft Length • Shaft Dia: .236"

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each 1	10	100	500
313-2440-Value	H	1K, 5K, 10K, 50K, 100K, 500K, 1M	1.25	.96	.87	.80

Linear Taper, (.334") Shaft Length • Shaft Dia: .236"

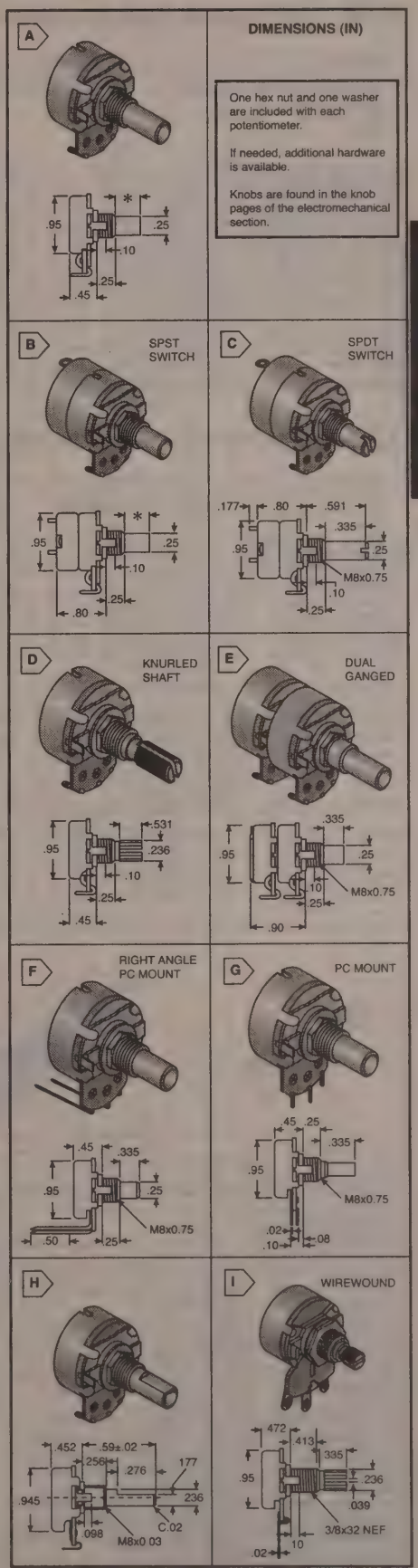
313-2441-Value	H	500, 1K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, 1M, 2M, 5M	1.25	.96	.87	.80

SOLDER LUGS WIREWOUND

Linear Taper 5 Watt

- Rotation angle: 300° ±5°
- Rotation torque: 30-300gf/cm
- Rated wattage: 5W
- End stop strength: 6Kgf/cm

313-2401-5	I	5	3.31	2.76	2.50	2.28
313-2401-10	I	10	3.31	2.76	2.50	2.28
313-2401-20	I	20	3.31	2.76	2.50	2.28
313-2401-50	I	50	3.31	2.76	2.50	2.28
313-2401-100	I	100	3.31	2.76	2.50	2.28
313-2401-500	I	500	3.31	2.76	2.50	2.28
313-2401-1K	I	1K	3.31	2.76	2.50	2.28
313-2401-2K	I	2K	3.31	2.76	2.50	2.28



ALPS 9MM SNAP-IN INSULATED SHAFT POTENTIOMETERS

Features:

- Thanks to its structure eliminating openings, the dust proofing capacity and flux resistance have been improved
- 9.8mm outline size is ideal for high-density set design.

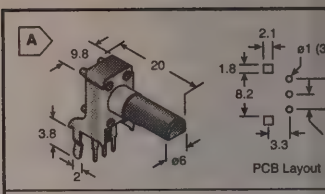
Applications:

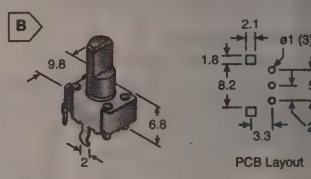
Suitable for various control applications with audio products, visual products, electronic musical instruments.

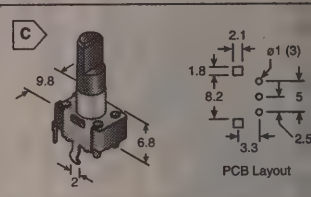
Cross Reference	
ALPS	Panasonic
RK09	EVU

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Value Ohm	Fig.	Taper	Detent	Bushing	Mount	Price Each				
								1	25	100	500	1000
688-RK09D1110C0R	RK09D1110C0R	50K	A	Linear	W/O	Metal	Horizontal	1.48	1.20	.94	.56	.40
688-RK09D1130009	RK09D1130009	10K	B	Linear	Center	W/O	Vertical	1.48	1.20	.94	.56	.40
688-RK09D113000D	RK09D113000D	50K	C	Linear	Center	Metal	Vertical	1.52	1.22	.96	.56	.40
688-RK09D113000F	RK09D113000F	10K	C	Linear	Center	Metal	Vertical	1.52	1.22	.96	.56	.40
688-RK09D113000K	RK09D113000K	50K	B	Linear	Center	W/O	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130A07	RK09D1130A07	5K	C	Linear	W/O	Metal	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130A0S	RK09D1130A0S	50K	C	Linear	W/O	Metal	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130A0Z	RK09D1130A0Z	20K	C	Linear	W/O	Metal	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130A1N	RK09D1130A1N	10K	C	Linear	W/O	Metal	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130C3U	RK09D1130C3U	10K	B	Linear	W/O	W/O	Vertical	1.48	1.20	.94	.56	.40







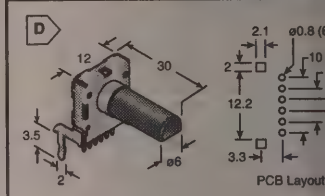
ALPS 12MM SNAP-IN INSULATED SHAFT POTENTIOMETERS

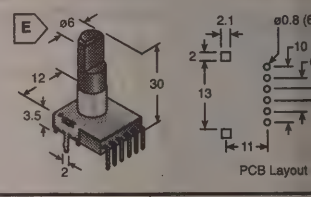
- Enhanced structural design has improved cross talk and gang error characteristics.
- R-shaped shaft end point prevents catching when inserting the knob.
- Solder bridges can hardly appear thanks to terminal configuration.

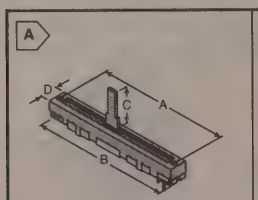
Cross Reference	
ALPS	Panasonic
RK12	EVJ

For quantities of 1000 and up, call for quote.

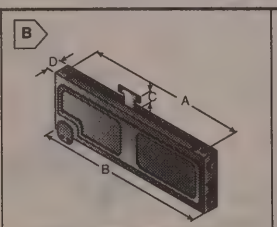
MOUSER STOCK NO.	Alps Part No.	Value Ohm	Fig.	Taper	Detent	Bushing	Mount	Price Each				
								1	25	100	500	1000
688-RK12L1210C0H	RK12L1210C0H	10K	D	Audio	W/O	Metal	Horizontal	2.13	1.87	1.53	.94	.65
688-RK12L1210C0K	RK12L1210C0K	20K	D	Audio	W/O	Metal	Horizontal	2.13	1.87	1.53	.94	.65
688-RK12L1210C0L	RK12L1210C0L	50K	D	Audio	W/O	Metal	Horizontal	2.13	1.87	1.53	.94	.65
688-RK12L1210C1K	RK12L1210C1K	10K	D	Linear	Center	Metal	Horizontal	2.33	2.05	1.68	1.03	.71
688-RK12L1210C1M	RK12L1210C1M	20K	D	Linear	Center	Metal	Horizontal	2.33	2.05	1.68	1.03	.71
688-RK12L1210C1N	RK12L1210C1N	50K	D	Linear	Center	Metal	Horizontal	2.33	2.05	1.68	1.03	.71
688-RK12L1230007	RK12L1230007	20K	E	Fader	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L123000E	RK12L123000E	50K	E	Linear	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L123000G	RK12L123000G	10K	E	Linear	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L1230C03	RK12L1230C03	10K	E	Fader	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L1230C1T	RK12L1230C1T	20K	E	Linear	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L1230C36	RK12L1230C36	5K	E	Linear	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L12C0A0A	RK12L12C0A0A	20K	E	Audio	W/O	W/O	Vertical	2.45	2.20	1.55	.93	.66
688-RK12L12C0A0G	RK12L12C0A0G	10K	E	Audio	W/O	W/O	Vertical	2.45	2.20	1.55	.93	.66
688-RK12L12C0A0H	RK12L12C0A0H	50K	E	Audio	W/O	W/O	Vertical	2.45	2.20	1.55	.93	.66
688-RK12L12C0C0P	RK12L12C0C0P	5K	E	Audio	W/O	W/O	Vertical	2.45	2.20	1.55	.93	.66



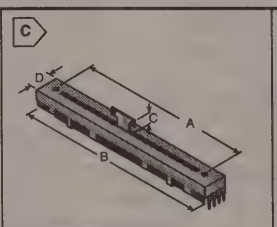




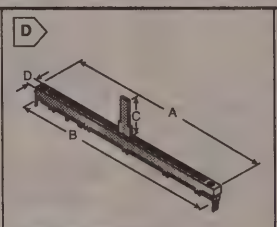
- Solderable with auto dipping.
- Available with a wide variety of detents.



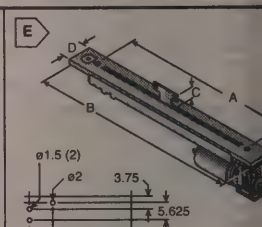
- Suitable for Master volume control in high-grade audio equipment, fader for studio mixers, etc.



- Excellent operational feel by less lever wobble.
- Allows the maximum attenuation of 110dB.



- Soft, comfortable feel and improved operability.
- Allows maximum attenuation of 110dB.



ALPS SLIDE OPERATION POTENTIOMETERS

For quantities of 1000 and up, call for q

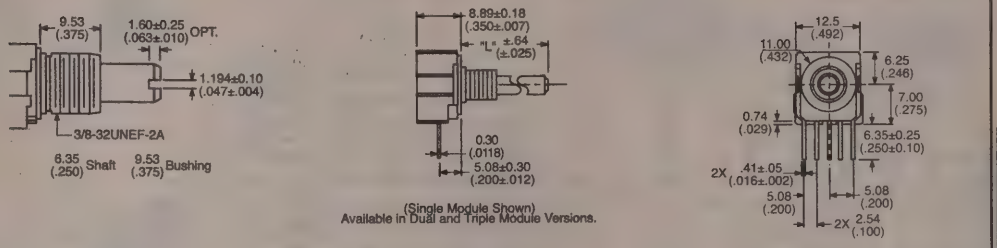
MOUSER STOCK NO.	Alps Part No.	Panasonic Cross Reference	Value Ohm	Fig.	Taper	Dimensions mm				Travel (mm)	Unit	Style	Price Each				
						A	B	C	D				1	25	50	100	
688-RS45111A6A08	RS45111A6A08	EWA-P12C15B14	10K	A	Linear	56	60	15	8	45	Single	Std	2.75	2.25	1.87	1.65	1
688-RS45112A6A05	RS45112A6A05	EWA-P30C15A14	10K	A	Linear	56	60	15	8	45	Dual	Std	3.50	2.80	2.30	2.10	1
688-RS45112A600J	RS45112A600J	- - - - - - - - -	10K	A	Audio	56	60	15	8	45	Dual	Std	3.50	2.80	2.30	2.10	1
688-RS60112A600N	RS60112A600N	EWA-Q30C15A14	10K	A	Audio	71	75	15	9	60	Dual	Std	4.00	3.20	2.65	2.40	2
688-RSA0K11A9A07	RSAOK11A9A07	EVA-JYMP08B14	10K	B	10% Audio	120	128	8.2	4	100	Single	Rail	37.00	34.00	31.00	29.00	25
688-RS60112A600U	RS60112A600U	- - - - - - - - -	20K	A	Audio	71	75	15	9	60	Dual	Std	4.00	3.20	2.65	2.40	2
688-RS6011YA6009	RS6011YA6009	EWA-Q12C15B14	10K	A	Linear	71	75	15	9	60	Single	Std	3.30	2.65	2.20	2.00	1
688-RS60K11A9000	RS60K11A9000	EVA-JXCP08	10K	B	Audio	80	92.6	8.2	13.4	60	Single	Rail	30.00	28.00	26.00	25.00	20
688-RSA0K11A9005	RSA0K11A9005	- - - - - - - - -	10K	B	10% Audio	120	128	8.2	4	100	Single	Rail	37.00	34.00	31.00	29.00	25
688-RSA0K12A9001	RSA0K12A9001	EVB-JYBP08	10K	B	10% Audio	120	132.6	8.2	13.9	100	Dual	Rail	37.00	34.00	31.00	29.00	25
688-RSA0N1119A02	RSA0N1119A02	EVA-JQLR15B14	10K	C	Linear	120	128	8.2	16	100	Single	Thin	8.50	6.80	5.60	5.10	5
688-RS60N1219A04	RS60N1219A04	EVB-NADR15A14	10K	C	Audio	80	88	8.2	16	60	Dual	Thin	8.00	6.25	5.30	4.80	4
688-RSA0N11S9005	RSA0N11S9005	EVA-NF4R15A14	10K	D	Audio	120	132.6	8.2	13.9	100	Single	Mono	8.00	6.25	5.30	4.80	4
688-RSA0N11S9A08	RSA0N11S9A08	EVA-NF4R15D14	10K	D	10% Audio	120	128	8.25	8.4	100	Single	Mono	8.00	6.25	5.30	4.80	4
688-RSA0N11S9002	RSA0N11S9002	EVA-NF3R15B14	10K	D	Linear	120	128	8.2	4	100	Single	Mono	7.00	5.50	4.70	4.25	4
688-RS60N11S6A02	RS60N11S6A02	EVA-NE4R15A14	10K	D	Audio	80	88	14	4	60	Single	Mono	8.00	6.25	5.30	4.80	4
688-RS60N11S6A04	RS60N11S6A04	EVA-NE3R15B14	10K	D	Linear	80	88	14	4	60	Single	Mono	8.00	6.25	5.30	4.80	4
688-RSA0N11M9A05	RSA0N11M9A05	- - - - - - - - -	10K	E	Linear	120	146.5	802	17	100	Single	Motor	47.00	42.00	39.00	37.00	35

51 SERIES 1/2" PANEL CONTROL

DIMENSIONS mm and (IN)

Specifications:
Power Rating: 0.5W (CP)
1.0W (cermet)
Rotational Life: 50K cycles (CP)
25K cycles (cermet)
Temperature Coefficient: ±1000 PPM/°C (CP)
±150 PPM/°C (cermet)
Operating Temperature: +1°C to +125°C

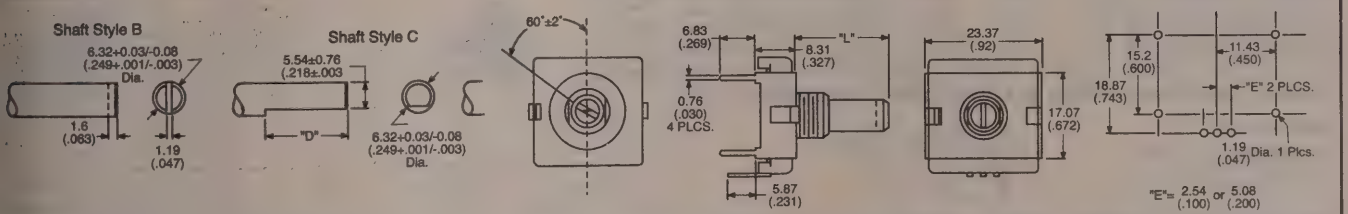
Features:
Metal bushing and shaft
Conductive plastic or cermet elements available
Single turn
Sealed to IP65
Nut and washer included



MOUSER STOCK NO.	Bourns Part No.	Taper		Element Type	Value (Ω)	Price Each					
		Type	Tol.			1	5	10	25	50	100
652-51AAA-B24-A10	51AAA-B24-A10	Linear	10%	Cermet	1K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B24-A13	51AAA-B24-A13	Linear	10%	Cermet	5K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B28-A15	51AAA-B28-A15	Linear	10%	Cermet	10K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B28-A18	51AAA-B28-A18	Linear	10%	Cermet	50K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B24-B10	51AAA-B24-B10	Linear	20%	CP	1K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B24-B13	51AAA-B24-B13	Linear	20%	CP	5K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B28-B15	51AAA-B28-B15	Linear	20%	CP	10K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B24-B18	51AAA-B24-B18	Linear	20%	CP	50K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B24-D10	51AAA-B24-D10	Audio	20%	CP	1K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B24-D13	51AAA-B24-D13	Audio	20%	CP	5K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B28-D15	51AAA-B28-D15	Audio	20%	CP	10K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B28-D18	51AAA-B28-D18	Audio	20%	CP	50K	9.00	8.55	7.50	7.00	6.00	5.25

PC SERIES "SLIMLINE" 22MM PANEL CONTROL

DIMENSIONS mm and (IN)



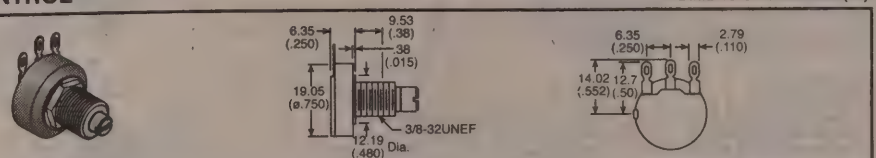
Specifications:
Power Rating: 0.75W
Rotational Life: 50K cycles
Resistance Tolerance: ±20%
Operating Temperature: +1°C to +125°C

Features:
Space saving low profile design
Plastic shaft and bushing
Mounting bracket
Long life

MOUSER STOCK NO.	Bourns Part No.	Shaft Type	Value (Ω)	Price Each					
				1	5	10	25	50	100
652-PCW1J-C24-BAB502	PCW1J-C24-BAB502	Flatted	5K	5.39	4.62	3.85	3.47	3.08	2.77
652-PCW1J-C24-BAB103	PCW1J-C24-BAB103	Flatted	10K	5.39	4.62	3.85	3.47	3.08	2.77
652-PCW1J-C24-BAB503	PCW1J-C24-BAB503	Flatted	50K	5.39	4.62	3.85	3.47	3.08	2.77
652-PCW1J-C24-BAB104	PCW1J-C24-BAB104	Flatted	100K	5.39	4.62	3.85	3.47	3.08	2.77
352-PCW1J-B24-BAB502	PCW1J-B24-BAB502	Slotted	5K	5.39	4.62	3.85	3.47	3.08	2.77
652-PCW1J-B24-BAB103	PCW1J-B24-BAB103	Slotted	10K	5.39	4.62	3.85	3.47	3.08	2.77
652-PCW1J-B24-BAB503	PCW1J-B24-BAB503	Slotted	50K	5.39	4.62	3.85	3.47	3.08	2.77
652-PCW1J-B24-BAB104	PCW1J-B24-BAB104	Slotted	100K	5.39	4.62	3.85	3.47	3.08	2.77

3852 SERIES 3/4" PANEL CONTROL

DIMENSIONS mm and (IN)



Specifications:
Tolerance: ±10%
Power rating: 2 Watts @ +70°C
Operating temperature: -1°C to +125°C
Rotational life: 50,000 cycles

Features:
Single-turn
Linear taper
Cermet element
Nut and washer included

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Shaft diameter (IN)	Shaft length (IN)	Price Each						
					1	5	10	25	50	100	200
652-3852A-162-102A	3852A-162-102A	1K	1/4	1/2	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-162-502A	3852A-162-502A	5K	1/4	1/2	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-162-103A	3852A-162-103A	10K	1/4	1/2	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-162-503A	3852A-162-503A	50K	1/4	1/2	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-162-104A	3852A-162-104A	100K	1/4	1/2	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-282-102A	3852A-282-102A	1K	1/4	7/8	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-282-502A	3852A-282-502A	5K	1/4	7/8	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-282-103A	3852A-282-103A	10K	1/4	7/8	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-282-503A	3852A-282-503A	50K	1/4	7/8	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-282-104A	3852A-282-104A	100K	1/4	7/8	9.16	8.51	8.00	7.12	5.80	4.90	4.50

Single-Turn Potentiometers

VISHAY / SPECTROL 148-149 SERIES 1/2" SQUARE SINGLE-TURN

General Specifications:
- Temperature: -20°C to +125°C
- PCB Pins
- Electrical travel: 265° ±5°

Cermet:
- Rational Life: 50,000
- Power rating: 1W @ 85°C, derating to 0W @ 150°C

Conductive Plastic:
- Rational Life: 100,000
- Power rating: 0.5W at 70°C, derating to 0W @ 125°C

MOUSER STOCK NO.	Vishay Part No.	Fig.	Value (Ω)	Tolerance %	Price Each 1	10	25	50	100	200+
Conductive Plastic 1/8" Shaft										
594-148-1102	148-11102	A	1K	±20	7.88	7.09	6.30	5.67	4.97	Call for Quote
594-148-1502	148-11502	A	5K	±20	7.88	7.09	6.30	5.67	4.97	
594-148-1103	148-11103	A	10K	±20	7.88	7.09	6.30	5.67	4.97	
594-148-1503	148-11503	A	50K	±20	7.88	7.09	6.30	5.67	4.97	
594-148-1104	148-11104	A	100K	±20	7.88	7.09	6.30	5.67	4.97	
Cermet 1/4" Shaft										
594-149-7102	149-71102	B	1K	±10	7.88	7.09	6.30	5.67	4.97	Call for Quote
594-149-7502	149-71502	B	5K	±10	7.88	7.09	6.30	5.67	4.97	
594-149-7103	149-71103	B	10K	±10	7.88	7.09	6.30	5.67	4.97	
594-149-7503	149-71503	B	50K	±10	7.88	7.09	6.30	5.67	4.97	
594-149-7104	149-71104	B	100K	±10	7.88	7.09	6.30	5.67	4.97	

VISHAY / SPECTROL 248-249 SERIES 1/2" SQUARE SINGLE-TURN

General Specifications:
- Temperature: -55°C to +125°C
- Rotational life: 50,000
- PCB Pins
- Electrical travel: 265° ±5°

Conductive Plastic:
- Power rating: 0.5W @ 70°C, derating to 0W @ 125°C

Cermet:
- Power rating: 1W @ 70°C, derating to 0W @ 125°C

MOUSER STOCK NO.	Vishay Part No.	Fig.	Value (Ω)	Tolerance %	Price Each 1	10	25	50	100	200+
Conductive Plastic 1/8" Shaft										
594-248-1102	248-8-08-102	C	1K	±20	5.50	5.19	4.82	4.37	3.93	Call for Quote
594-248-1502	248-8-08-502	C	5K	±20	5.50	5.19	4.82	4.37	3.93	
594-248-1103	248-8-08-103	C	10K	±20	5.50	5.19	4.82	4.37	3.93	
594-248-1503	248-8-08-503	C	50K	±20	5.50	5.19	4.82	4.37	3.93	
594-248-1104	248-8-08-104	C	100K	±20	5.50	5.19	4.82	4.37	3.93	
Cermet 1/4" Shaft										
594-249-7102	249-9-10-102	D	1K	±10	5.50	5.19	4.82	4.37	3.93	Call for Quote
594-249-7502	249-9-10-502	D	5K	±10	5.50	5.19	4.82	4.37	3.93	
594-249-7103	249-9-10-103	D	10K	±10	5.50	5.19	4.82	4.37	3.93	
594-249-7503	249-9-10-503	D	50K	±10	5.50	5.19	4.82	4.37	3.93	
594-249-7104	249-9-10-104	D	100K	±10	5.50	5.19	4.82	4.37	3.93	

VISHAY / SFERNICE KNOB POTENTIOMETERS, MODEL P16

Specifications:
- High dielectric strength: 2500VRMS
- P16 version: cermet
- PA16 version: conductive plastic
- Hermetically sealed and panel sealed
- Minimal clearance required
- Power rating: 1W @ +40°C
- Metallic or plastic knob options
- CECC 41300

MOUSER STOCK NO.	Fig.	Resistance Values (Ω)	Max. Power @ +40°C	Maximum Current Through Element	Price Each 1	10	25	50	100
72-P16NP-1K	E	1K	1W	31.6mA	5.98	5.44	5.17	4.90	Call for Quote
72-P16NP-5K	E	5K	1W	14.58mA	5.98	5.44	5.17	4.90	
72-P16NP-10K	E	10K	1W	10mA	5.98	5.44	5.17	4.90	
72-P16NP-50K	E	50K	1W	4.61mA	5.98	5.44	5.17	4.90	
72-P16NP-1M	E	1M	.12W	.35mA	5.98	5.44	5.17	4.90	
72-P16NP-4.7M	E	4.7M	- - -	.07mA	5.98	5.44	5.17	4.90	

DIMENSIONS (IN)

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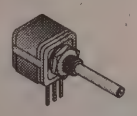

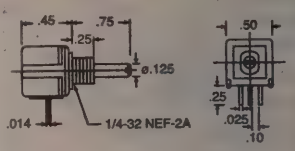

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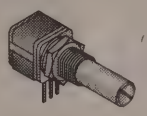

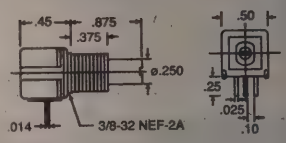

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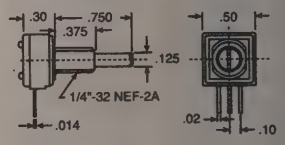

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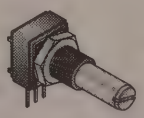

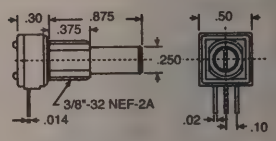

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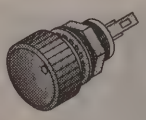

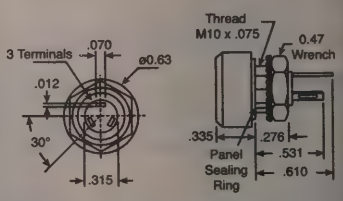

PIHER 16MM CARBON SINGLE-TURN POTENTIOMETERS

PC16 Series

A completely insulated potentiometer. Made of autoextinguishable plastic UL94V-0. This modular design, which allows up to four potentiometers and a switch on a common shaft, is available in custom configurations by special order. Call any Mouser service representative for details.

Specifications:
- Tolerance: ±20%
- Nominal power (40°C): 0.25W
- Nominal voltage: 500V
- Temperature range: -25°C to +70°C
- Linear taper
- Mechanical angle of rotation: 300°±5°
- Electrical angle of rotation: 280°±20°
- Switch contact rating: 1A @ 250V
- Solder lug terminals

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Piher Part No.	Fig.	Price Each 1	25	50	100
531-PC16SC-1K	PC16SH07CP06102A2020TA	A	2.35	1.95	1.77	1.59
531-PC16SC-10K	PC16SH07CP06103A2020TA	A	2.35	1.95	1.77	1.59
531-PC16SC-100K	PC16SH07CP06104A2020TA	A	2.35	1.95	1.77	1.59
531-PC16SC1A-10K	PC16SH07CP06103A2020CTA	B	2.99	2.49	2.27	2.06
531-PC16SC1A-100K	PC16SH07CP06104A2020CTA	B	2.99	2.49	2.27	2.06
531-PC16SC1A-500K	PC16SH07CP06504A2020CTA	B	2.99	2.49	2.27	2.06
531-PC16DC-1K	PC16DH07CP06102A2020TA	C	2.86	2.38	2.17	1.97
531-PC16DC-10K	PC16DH07CP06103A2020TA	C	2.86	2.38	2.17	1.97
531-PC16DC-100K	PC16DH07CP06104A2020TA	C	2.86	2.38	2.17	1.97
531-PC16DC-500K	PC16DH07CP06504A2020TA	C	2.86	2.38	2.17	1.97

DIMENSIONS (mm)

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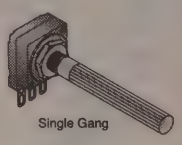

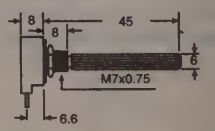

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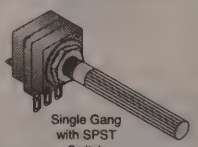

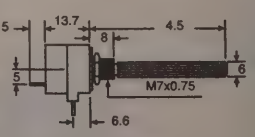

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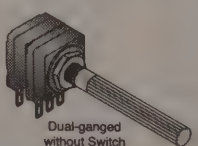
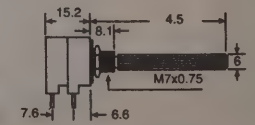




TC22 SERIES 2MM SMD CERMET TRIMMING POTENTIOMETER, LEAD FREE

itures:
ecommended for reflow processing
otor design compatible with pick and place
nd automatic adjustment equipment
mm size meets EIA/EIAJ standard
immer footprint

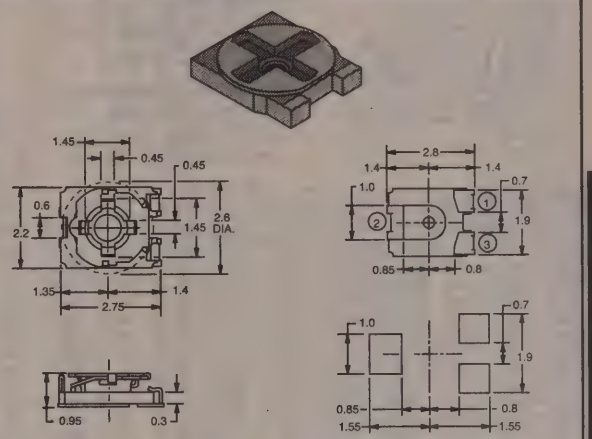
ctrical Characteristics:
esistance Tolerance: ±25% std.
esolution: Infinite
djustment Angle: 260°±20°

Enviromental Characteristics:
- Power Rating (50 VDC max.): 70 °C: 0.1 watt
- Temperature Range: -40 °C to +100 °C
- Temperature Coefficient: ±250 ppm/°C
- Humidity: 95 % RH, TRS max.: ±5 %
- Load Life: @ 70 °C rated power 1000 hours, TRS ±5 %
- Rotational Cycling: 20 cycles, TRS ± 5 %

LEAD-FREE

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each 1	25	100	500	1000	Reel Qty.	Price Per Piece 3000	6000
2-TC22X-2-101E	TC22X-2-101E	100	.36	.33	.26	.24	.23	3000	.22	.21
2-TC22X-2-201E	TC22X-2-201E	200	.36	.33	.26	.24	.23	3000	.22	.21
2-TC22X-2-501E	TC22X-2-501E	500	.36	.33	.26	.24	.23	3000	.22	.21
2-TC22X-2-102E	TC22X-2-102E	1K	.36	.33	.26	.24	.23	3000	.22	.21
2-TC22X-2-202E	TC22X-2-202E	2K	.36	.33	.26	.24	.23	3000	.22	.21
2-TC22X-2-502E	TC22X-2-502E	5K	.36	.33	.26	.24	.23	3000	.22	.21
2-TC22X-2-103E	TC22X-2-103E	10K	.36	.33	.26	.24	.23	3000	.22	.21
2-TC22X-2-203E	TC22X-2-203E	20K	.36	.33	.26	.24	.23	3000	.22	.21
2-TC22X-2-503E	TC22X-2-503E	50K	.36	.33	.26	.24	.23	3000	.22	.21
2-TC22X-2-104E	TC22X-2-104E	100K	.36	.33	.26	.24	.23	3000	.22	.21

DIMENSIONS (mm)



TC33 SERIES 3MM SMD CERMET TRIMMING POTENTIOMETER, LEAD FREE

atures:
ecommended for reflow processing
otor design compatible with pick and place
nd automatic adjustment equipment
mm size meets EIA/EIAJ standard
immer footprint

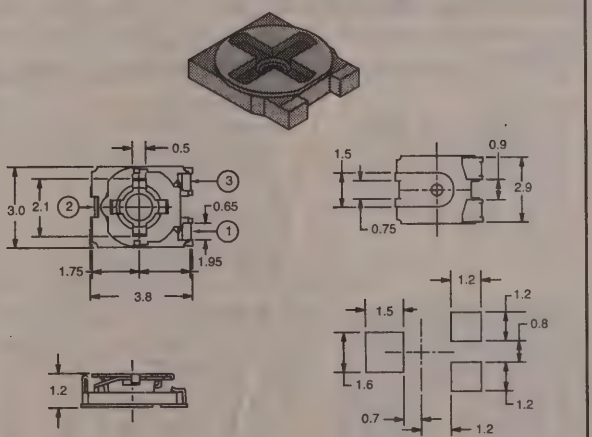
ctrical Characteristics:
esistance Tolerance: ±25% std.
esolution: Essentially Infinite
djustment Angle: 260°±20°

Enviromental Characteristics:
- Power Rating (50 VDC max.): 70 °C: 0.1 watt
- Temperature Range: -40 °C to +120 °C
- Temperature Coefficient: ±250 ppm/°C
- Humidity: 95 % RH, TRS max.: ±5 %
- Load Life: @ 70 °C rated power 1000 hours, TRS ±5 %
- Rotational Cycling: 20 cycles, TRS ± 10 %

LEAD-FREE

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each 1	25	100	500	1000	Reel Qty.	Price Per Piece 2500	5000
2-TC33X-2-101E	TC33X-2-101E	100	.20	.16	.14	.12	.11	2500	.09	.08
2-TC33X-2-201E	TC33X-2-201E	200	.20	.16	.14	.12	.11	2500	.09	.08
2-TC33X-2-301E	TC33X-2-301E	300	.20	.16	.14	.12	.11	2500	.09	.08
2-TC33X-2-501E	TC33X-2-501E	500	.20	.16	.14	.12	.11	2500	.09	.08
2-TC33X-2-102E	TC33X-2-102E	1K	.20	.17	.14	.12	.11	2500	.09	.08
2-TC33X-2-202E	TC33X-2-202E	2K	.20	.16	.14	.12	.11	2500	.09	.08
2-TC33X-2-302E	TC33X-2-302E	3K	.20	.16	.14	.12	.11	2500	.09	.08
2-TC33X-2-502E	TC33X-2-502E	5K	.20	.16	.14	.12	.11	2500	.09	.08
2-TC33X-2-103E	TC33X-2-103E	10K	.20	.16	.14	.12	.11	2500	.09	.08
2-TC33X-2-203E	TC33X-2-203E	20K	.20	.16	.14	.12	.11	2500	.09	.08
2-TC33X-2-303E	TC33X-2-303E	30K	.20	.16	.14	.12	.11	2500	.09	.08
2-TC33X-2-503E	TC33X-2-503E	50K	.20	.16	.14	.12	.11	2500	.09	.08
2-TC33X-2-104E	TC33X-2-104E	100K	.20	.16	.14	.12	.11	2500	.09	.08

DIMENSIONS (mm)



TC73 SERIES 3MM SMD CARBON ELEMENT TRIMMING POTENTIOMETER, LEAD FREE

ıtures:
ecommended for reflow processing
otor design compatible with pick and place
d automatic adjustment equipment
pplied in 8mm embossed tape, compatible
h automatic assembly equipment
rbon Element
ad-free terminals

ıplications:
dio car radios
tellite receivers-digital/analog
omputer power supplies

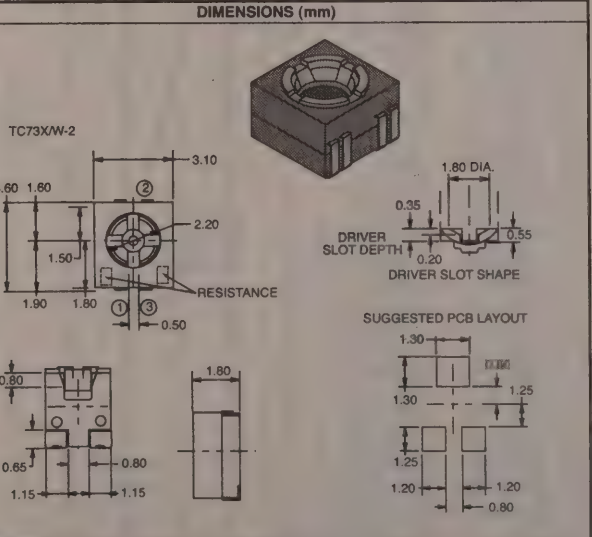
Electrical Characteristics:
- Resistance Tolerance: ±30% std.
- Resolution: Infinite
- Adjustment Angle: 260°±20°(-2)

LEAD-FREE

Enviromental Characteristics:
- Power Rating (50 VDC max.): 50 °C: 0.05 watt
- Temperature Range: -25 °C to +85 °C
- Temperature Coefficient: ±250 ppm/°C
- Humidity: 95 % RH, 500 hours, TRS max.: ±5 %
- Load Life: @ 50 °C rated power 500 hours, TRS ±5 %
- Rotational Cycling: 20 turns, TRS ± 20 %

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each 1	100	500	1000	Reel Qty.	Price Per Piece 2000	4000	10000
-TC73X-1-501E	TC73X-1-501E	500	.18	.14	.13	.11	2000	.10	.08	.078
-TC73X-1-102E	TC73X-1-102E	1K	.18	.14	.13	.11	2000	.10	.08	.078
-TC73X-1-202E	TC73X-1-202E	2K	.18	.14	.13	.11	2000	.10	.08	.078
-TC73X-1-502E	TC73X-1-502E	5K	.18	.14	.13	.11	2000	.10	.08	.078
-TC73X-1-103E	TC73X-1-103E	10K	.18	.14	.13	.11	2000	.10	.08	.078
-TC73X-1-203E	TC73X-1-203E	20K	.18	.14	.13	.11	2000	.10	.08	.078
-TC73X-1-104E	TC73X-1-104E	100K	.18	.14	.13	.11	2000	.10	.08	.078
-TC73W-1-501E	TC73W-1-501E	500	.18	.14	.13	.11	2000	.10	.08	.078
-TC73W-1-102E	TC73W-1-102E	1K	.18	.14	.13	.11	2000	.10	.08	.078
-TC73W-1-202E	TC73W-1-202E	2K	.18	.14	.13	.11	2000	.10	.08	.078
-TC73W-1-502E	TC73W-1-502E	5K	.18	.14	.13	.11	2000	.10	.08	.078
-TC73W-1-103E	TC73W-1-103E	10K	.18	.14	.13	.11	2000	.10	.08	.078
-TC73W-1-203E	TC73W-1-203E	20K	.18	.14	.13	.11	2000	.10	.08	.078
-TC73W-1-104E	TC73W-1-104E	100K	.18	.14	.13	.11	2000	.10	.08	.078

DIMENSIONS (mm)



BOURNS Lead Free Trimmer Potentiometers

Reliable Electronic Solutions

3364 SERIES 4MM SMD SINGLE TURN CERMET TRIMMING POTENTIOMETER, LEAD FREE

Features:
- SMD Single-Turn / Cermet / Industrial Open Frame
- Cross slot rotor designs suitable for automatic adjustment equipment
- Supplied in 12 mm embossed tape, compatible with automatic pick-and-place assembly equipment
- Recommended for reflow solder processing only
- Lead free terminals

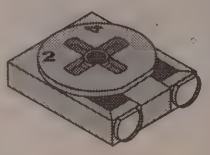
Electrical Characteristics:
- Resistance Tolerance: ±25% std.
- Contact Resistance Variation: 5% max.
- Resolution: Infinite
- Adjustment Angle: 260°±20°

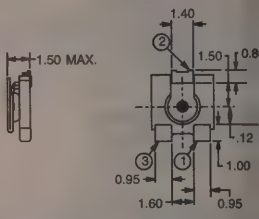
Enviromental Characteristics:
- Power Rating (50 VDC max.): 70 °C: 0.2 watt
- Temperature Range: -40 °C to +125 °C
- Temperature Coefficient: ±250 ppm/°C

LEAD-FREE

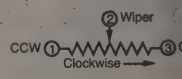
MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each 1	25	100	Reel Qty.	Price Per Piece 1000	3000	6000
652-3364X-1-101E	3364X-1-101E	100	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-201E	3364X-1-201E	200	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-501E	3364X-1-501E	500	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-102E	3364X-1-102E	1K	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-202E	3364X-1-202E	2K	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-502E	3364X-1-502E	5K	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-103E	3364X-1-103E	10K	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-203E	3364X-1-203E	20K	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-503E	3364X-1-503E	50K	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-104E	3364X-1-104E	100K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-101E	3364W-1-101E	100	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-201E	3364W-1-201E	200	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-501E	3364W-1-501E	500	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-102E	3364W-1-102E	1K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-202E	3364W-1-202E	2K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-502E	3364W-1-502E	5K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-103E	3364W-1-103E	10K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-203E	3364W-1-203E	20K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-503E	3364W-1-503E	50K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-104E	3364W-1-104E	100K	.85	.81	.55	1000	.29	.26	.23

DIMENSIONS (mm)

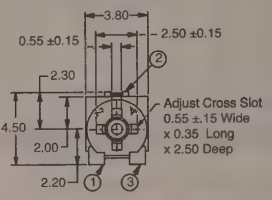




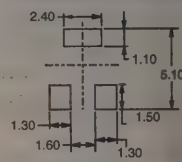
Common Dimensions
Tolerances: ±.25 except where noted



3364W and 3364X
3-Terminal



Suggested PWB Layout



3306 SERIES 6MM ROUND SINGLE TURN CERMET TRIMMING POTENTIOMETER, LEAD FREE

Features:
- 6 mm Round / Single-Turn / Cermet Industrial / Open Frame
- Cross slot adjustment options
- Horizontal and vertical mounting styles
- Dust resistant/splash resistant covers
- PC board stand-offs and retention feature
- Front and top adjust styles
- Lead free terminals

Electrical Characteristics:
- Resistance Tolerance: ±30% std.
- Absolute Min Resistance: 1% max. (≤2K=30 ohms)
- Contact Resistance Variation: .3% max.
- Resolution: Essentially Infinite
- Adjustment Angle: 215° nom.

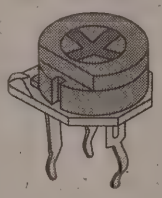
Enviromental Characteristics:
- Power Rating (100 Volts max.): 70 °C: 0.3 watt
- Temperature Range: -30 °C to +100 °C
- Temperature Coefficient: ±250 ppm/°C
- Load Life: 1000 hours 0.3 watt @ 70°C

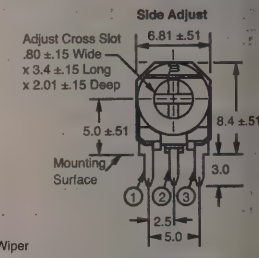
LEAD-FREE

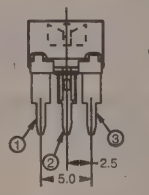
MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each 1	10	100	500	1000	5000	10000
652-3306W-1-101	3306W-1-101	100	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-201	3306W-1-201	200	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-501	3306W-1-501	500	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-102	3306W-1-102	1K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-202	3306W-1-202	2K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-502	3306W-1-502	5K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-103	3306W-1-103	10K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-203	3306W-1-203	20K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-253	3306W-1-253	25K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-503	3306W-1-503	50K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-104	3306W-1-104	100K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-101	3306K-1-101	100	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-201	3306K-1-201	200	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-501	3306K-1-501	500	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-102	3306K-1-102	1K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-202	3306K-1-202	2K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-502	3306K-1-502	5K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-103	3306K-1-103	10K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-203	3306K-1-203	20K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-253	3306K-1-253	25K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-503	3306K-1-503	50K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-104	3306K-1-104	100K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-101	3306P-1-101	100	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-201	3306P-1-201	200	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-501	3306P-1-501	500	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-102	3306P-1-102	1K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-202	3306P-1-202	2K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-502	3306P-1-502	5K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-103	3306P-1-103	10K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-203	3306P-1-203	20K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-253	3306P-1-253	25K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-503	3306P-1-503	50K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-104	3306P-1-104	100K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-101	3306F-1-101	100	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-201	3306F-1-201	200	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-501	3306F-1-501	500	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-102	3306F-1-102	1K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-202	3306F-1-202	2K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-502	3306F-1-502	5K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-103	3306F-1-103	10K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-203	3306F-1-203	20K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-253	3306F-1-253	25K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-503	3306F-1-503	50K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-104	3306F-1-104	100K	.56	.43	.39	.22	.19	.17	.15

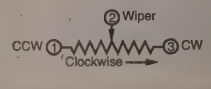
DIMENSIONS (mm)

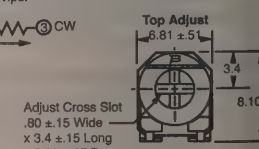
Common Dimensions
Tolerances: ±.25 except where noted



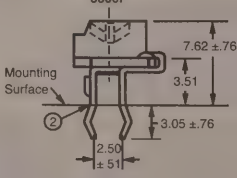




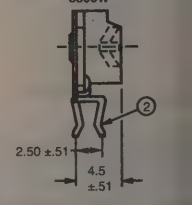




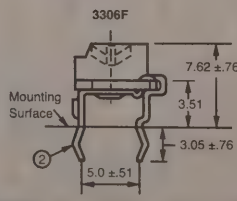
3306P



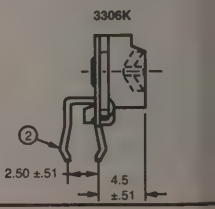
3306W



3306F



3306K



BOURNS Lead Free Trimmer Potentiometers

BOURNS
Reliable Electronic Solutions

09W & 3309P SERIES 9MM ROUND SINGLE TURN CERMET TRIMMING POTENTIOMETER, LEAD FREE

tures:
- mm Round / Single-Turn / Cermet Industrial
- pen Frame
- th sides adjust
- oss slot and hexagon adjustment designs
- rizontal and vertical mounting styles
- st resistant/splash resistant covers
- board stand-offs and retention feature
- ad free terminals

Electrical Characteristics:
- Resistance Tolerance: ±30% std. (tighter tolerance available)
- Absolute Min. Resistance: 1% max. (≤2K=30 ohms)
- Contact Resistance Variation: .3% max.
- Resolution: Essentially Infinite
- Adjustment Angle: 235° nom.

LEAD-FREE

ironmental Characteristics:
- wer Rating (250 Volts max.): 70 °C: 0.2 watt
- mperature Range: -30 °C to +100 °C
- Temperature Coefficient: ±250 ppm/°C
- Load Life: 1000 hours 0.5 watt @ 70°C (3%)

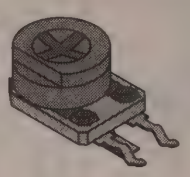
3309W and 3309P Price Each

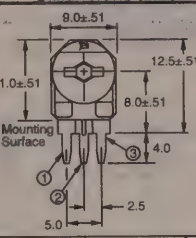
1	50	100	200	400	600	800
.63	.55	.46	.38	.28	.25	.23

Value (Ω)	MOUSER STOCK NO.	MOUSER STOCK NO.
1K	652-3309W-1-102	652-3309P-1-102
2K	652-3309W-1-202	652-3309P-1-202
5K	652-3309W-1-502	652-3309P-1-502
10K	652-3309W-1-103	652-3309P-1-103
20K	652-3309W-1-203	652-3309P-1-203
25K	652-3309W-1-253	652-3309P-1-253
50K	652-3309W-1-503	652-3309P-1-503
100K	652-3309W-1-104	652-3309P-1-104
100	652-3309W-2-101	652-3309P-2-101
200	652-3309W-2-201	652-3309P-2-201
500	652-3309W-2-501	652-3309P-2-501
1K	652-3309W-2-102	652-3309P-2-102
2K	652-3309W-2-202	652-3309P-2-202
5K	652-3309W-2-502	652-3309P-2-502
10K	652-3309W-2-103	652-3309P-2-103
20K	652-3309W-2-203	652-3309P-2-203
25K	652-3309W-2-253	652-3309P-2-253
50K	652-3309W-2-503	652-3309P-2-503
100K	652-3309W-2-104	652-3309P-2-104
1K	652-3309W-3-102	652-3309P-3-102
2K	652-3309W-3-202	652-3309P-3-202
5K	652-3309W-3-502	652-3309P-3-502
10K	652-3309W-3-103	652-3309P-3-103
20K	652-3309W-3-203	652-3309P-3-203
25K	652-3309W-3-253	652-3309P-3-253
50K	652-3309W-3-503	652-3309P-3-503
100K	652-3309W-3-104	652-3309P-3-104

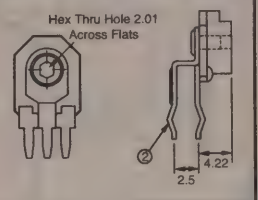
DIMENSIONS (mm)

3309W

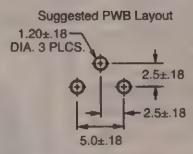




3309W-3 Both Sides Adjust Hex

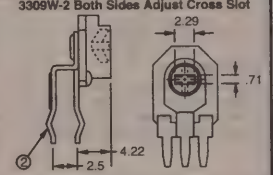


Suggested PWB Layout

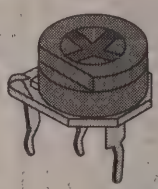


3309W-1 Single Side Front Adjust Cross Slot

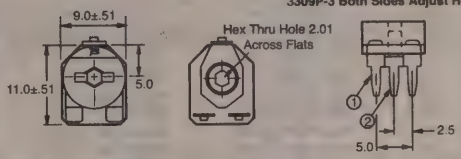
3309W-2 Both Sides Adjust Cross Slot



3309P

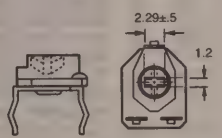


3309P-3 Both Sides Adjust Hex

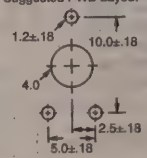


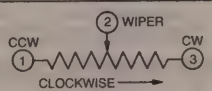
3309P-1 Single Side Front Adjust Cross Slot

3309P-2 Both Sides Adjust Cross Slot



Suggested PWB Layout





319W & 3319P SERIES 9MM ROUND SINGLE TURN CARBON TRIMMING POTENTIOMETER, LEAD FREE

tures:
- mm Round / Single Turn / Carbon Commercial / pen Frame
- oth sides adjust
- ross slot and hexagon adjustment designs
- lorizontal and vertical mounting styles
- ust resistant/splash resistant covers
- C board stand-offs and retention feature
- ead free terminals

Electrical Characteristics:
- Resistance Tolerance: ±25% std.
- End Resistance: 2% max. (≤2k=30 ohms)
- Contact Resistance Variation: 3% max.
- Resolution: Infinite
- Adjustment Angle: 235° nom.

LEAD-FREE

vironmental Characteristics:
- ower Rating (200 volts max.): 70 °C: 0.2 watt
- mperature Range: -25 °C to +100 °C
- Temperature Coefficient: ±1000 ppm/°C
- Load Life: 1000 hours 0.2 watt @ 70°C

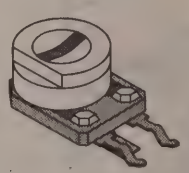
3319W and 3319P Price Each

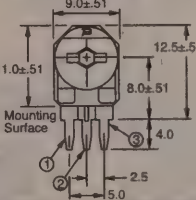
1	50	100	200	400	600	800
.39	.24	.21	.19	.17	.15	.14

Value (Ω)	MOUSER STOCK NO.	MOUSER STOCK NO.
100	652-3319W-2-101	652-3319P-2-101
200	652-3319W-2-201	652-3319P-2-201
500	652-3319W-2-501	652-3319P-2-501
1K	652-3319W-2-102	652-3319P-2-102
2K	652-3319W-2-202	652-3319P-2-202
5K	652-3319W-2-502	652-3319P-2-502
10K	652-3319W-2-103	652-3319P-2-103
20K	652-3319W-2-203	652-3319P-2-203
50K	652-3319W-2-503	652-3319P-2-503
100K	652-3319W-2-104	652-3319P-2-104
100	652-3319W-3-101	652-3319P-3-101
200	652-3319W-3-201	652-3319P-3-201
500	652-3319W-3-501	652-3319P-3-501
1K	652-3319W-3-102	652-3319P-3-102
2K	652-3319W-3-202	652-3319P-3-202
5K	652-3319W-3-502	652-3319P-3-502
10K	652-3319W-3-103	652-3319P-3-103
20K	652-3319W-3-203	652-3319P-3-203
50K	652-3319W-3-503	652-3319P-3-503
100K	652-3319W-3-104	652-3319P-3-104

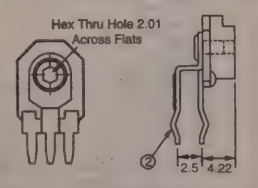
DIMENSIONS (mm)

3319W

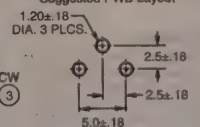


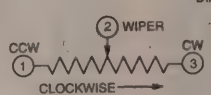


3319W-3 Both Sides Adjust Hex

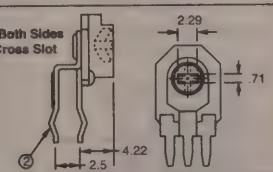


Suggested PWB Layout

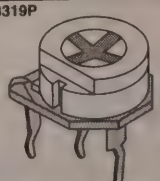




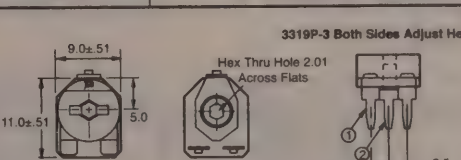
3319W-2 Both Sides Adjust Cross Slot



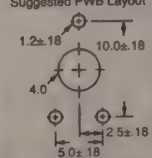
3319P

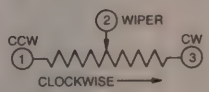


3319P-3 Both Sides Adjust Hex

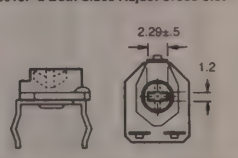


Suggested PWB Layout





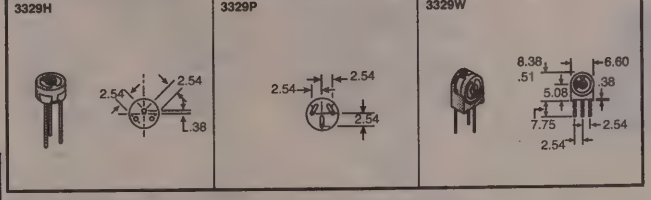
3319P-2 Both Sides Adjust Cross Slot



BOURNS Single-Turn Trimmer Potentiometers

3329 SERIES 1/4" SINGLE TURN ROUND/ INDUSTRIAL/ SEALED

DIMENSIONS (mm)



Specifications:
- Resistance tolerance: ±10% std.
- Power rating: 85°C - 0.50W; 150°C - 0W
- Temperature range: -55°C to +150°C
- Temperature coefficient: ±100ppm/°C

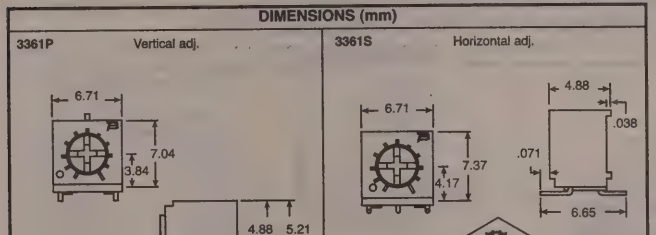
• For quantities of 2,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3329H, 3329P	2.24	1.91	1.67	1.57	1.40	1.30
3329W	2.62	2.00	1.89	1.82	1.70	1.60

Value (Ω)	3329H Series	3329P Series	3329W Series
	MOUSER STOCK NO.		
50	652-3329H-1-500	652-3329P-1-500	652-3329W-1-500
100	652-3329H-1-101	652-3329P-1-101	652-3329W-1-101
200	652-3329H-1-201	652-3329P-1-201	652-3329W-1-201
500	652-3329H-1-501	652-3329P-1-501	652-3329W-1-501
1K	652-3329H-1-102	652-3329P-1-102	652-3329W-1-102
2K	652-3329H-1-202	652-3329P-1-202	652-3329W-1-202
5K	652-3329H-1-502	652-3329P-1-502	652-3329W-1-502
10K	652-3329H-1-103	652-3329P-1-103	652-3329W-1-103
20K	652-3329H-1-203	652-3329P-1-203	652-3329W-1-203
25K	652-3329H-1-253	652-3329P-1-253	652-3329W-1-253
50K	652-3329H-1-503	652-3329P-1-503	652-3329W-1-503
100K	652-3329H-1-104	652-3329P-1-104	652-3329W-1-104
200K	652-3329H-1-204	652-3329P-1-204	652-3329W-1-204
500K	652-3329H-1-504	652-3329P-1-504	652-3329W-1-504
1M	652-3329H-1-105	652-3329P-1-105	652-3329W-1-105

3361 SERIES 1/4" SQUARE/ CERMET/ SEALED

DIMENSIONS (mm)



Features:
- Surface mount / single turn / industrial / sealed
- Miniature package
- Rotor designed for automatic machine adjust interface
- Withstands harsh environments and immersion
- Compatible with surface mount manufacturing processes

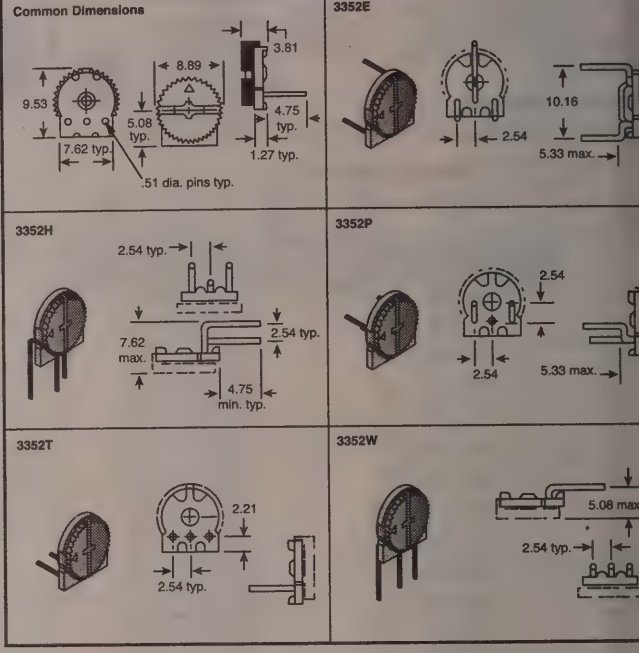
Specification:
- Resistance tolerance: ±10% std. (tighter tolerance availiable)
- Power rating: (300 volts max.) 70°C - 0.50 watt; 125°C - 0 watt
- Temp. range: -55°C to +125°C
- Temp. coefficient: ±100ppm/°C
- Rotational life: 200 cycles

Series No.	Reel Qty.	Price Each					
		1	50	100	500	750	1500
3361P	750	.95	.88	.79	.70	.60	.56
3361S	500	.95	.88	.79	.70	--	.56

Value (Ω)	3361P	3361S
	MOUSER STOCK NO.	
100	652-3361P-1-101G	652-3361S-1-101G
200	652-3361P-1-201G	652-3361S-1-201G
500	652-3361P-1-501G	652-3361S-1-501G
1K	652-3361P-1-102G	652-3361S-1-102G
2K	652-3361P-1-202G	652-3361S-1-202G
5K	652-3361P-1-502G	652-3361S-1-502G
10K	652-3361P-1-103G	652-3361S-1-103G
20K	652-3361P-1-203G	652-3361S-1-203G
25K	652-3361P-1-253G	652-3361S-1-253G
50K	652-3361P-1-503G	652-3361S-1-503G
100K	652-3361P-1-104G	652-3361S-1-104G

3352 SERIES 3/8" SINGLE TURN ROUND/ CERMET/OPEN FRAME/TRIMMER

DIMENSIONS (mm)



Features:
- Stable cermet element offers infinite resolution
- Very low profile
- Thumb and screwdriver adjustment

Specifications:
- Resistance tolerance: ±20% std.
- Power rating: 85°C - 0.25W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C 2K and up; ±150ppm/°C below 2K

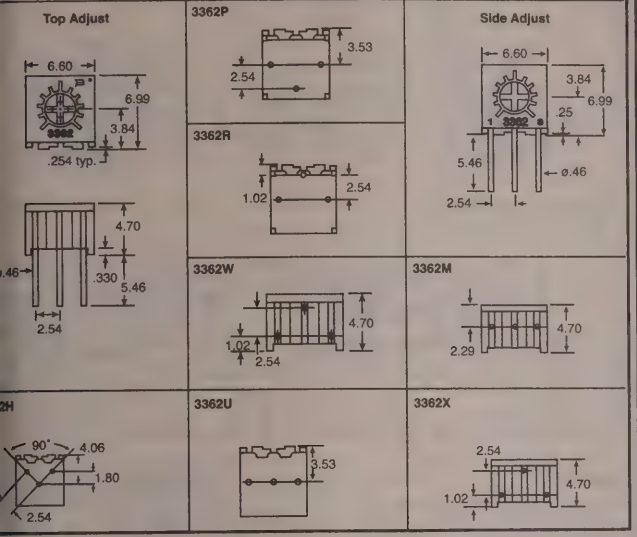
Series No.	Price Each						
	1	10	50	100	500	1000	+2
3352E	1.02	.95	.86	.70	.61	.55	
3352H	1.02	.95	.86	.70	.61	.55	C
3352P	1.02	.95	.86	.70	.61	.55	f
3352T	1.02	.95	.86	.70	.61	.55	Qu
3352W	1.02	.95	.86	.70	.61	.55	

Value (Ω)	3352E Series	3352H Series	3352P Series
	MOUSER STOCK NO.		
50	652-3352E-1-500	652-3352H-1-500	652-3352P-1-500
100	652-3352E-1-101	652-3352H-1-101	652-3352P-1-101
200	652-3352E-1-201	652-3352H-1-201	652-3352P-1-201
500	652-3352E-1-501	652-3352H-1-501	652-3352P-1-501
1K	652-3352E-1-102	652-3352H-1-102	652-3352P-1-102
2K	652-3352E-1-202	652-3352H-1-202	652-3352P-1-202
5K	652-3352E-1-502	652-3352H-1-502	652-3352P-1-502
10K	652-3352E-1-103	652-3352H-1-103	652-3352P-1-103
20K	652-3352E-1-203	652-3352H-1-203	652-3352P-1-203
50K	652-3352E-1-503	652-3352H-1-503	652-3352P-1-503
100K	652-3352E-1-104	652-3352H-1-104	652-3352P-1-104
200K	652-3352E-1-204	652-3352H-1-204	652-3352P-1-204
500K	652-3352E-1-504	652-3352H-1-504	652-3352P-1-504
1M	652-3352E-1-105	652-3352H-1-105	652-3352P-1-105
2M	652-3352E-1-205	652-3352H-1-205	652-3352P-1-205

Value (Ω)	3352T Series	3352W Series
	MOUSER STOCK NO.	
50	652-3352T-1-500	652-3352W-1-500
100	652-3352T-1-101	652-3352W-1-101
200	652-3352T-1-201	652-3352W-1-201
500	652-3352T-1-501	652-3352W-1-501
1K	652-3352T-1-102	652-3352W-1-102
2K	652-3352T-1-202	652-3352W-1-202
5K	652-3352T-1-502	652-3352W-1-502
10K	652-3352T-1-103	652-3352W-1-103
20K	652-3352T-1-203	652-3352W-1-203
50K	652-3352T-1-503	652-3352W-1-503
100K	652-3352T-1-104	652-3352W-1-104
200K	652-3352T-1-204	652-3352W-1-204
500K	652-3352T-1-504	652-3352W-1-504
1M	652-3352T-1-105	652-3352W-1-105
2M	652-3352T-1-205	652-3352W-1-205

2 SERIES 1/4" SQUARE/ INDUSTRIAL/ SEALED

DIMENSIONS (mm)



ures:
- gle turn / cermet / industrial / sealed
- niature package
- tor designed for automatic machine
- ust interface
- thstands harsh environments and
- mersion cleaning processes
- ailable on tape and reel packaging

Specification:
- Resistance tolerance: ±10% std. (tighter tolerance available)
- Power rating: (300 volts max.) 70°C - 0.50 watt; 125°C - 0 watt
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C
- Rotational life: 200 cycles
- Seal test: 85°C fluorinert
- Marking: resistance code, terminal numbers, manufacturer's model number, style, and date code.

Series No.	Price Each						
	1	10	50	100	500	1000	+2000
3362H	.83	.75	.70	.65	.60	.55	Call for Qucte
3362M	.83	.75	.70	.65	.60	.55	
3362P	.83	.75	.70	.65	.60	.55	
3362R	.83	.75	.70	.65	.60	.55	
3362U	.83	.75	.70	.65	.60	.55	
3362W	.83	.75	.70	.65	.60	.55	
3362X	.83	.75	.70	.65	.60	.55	

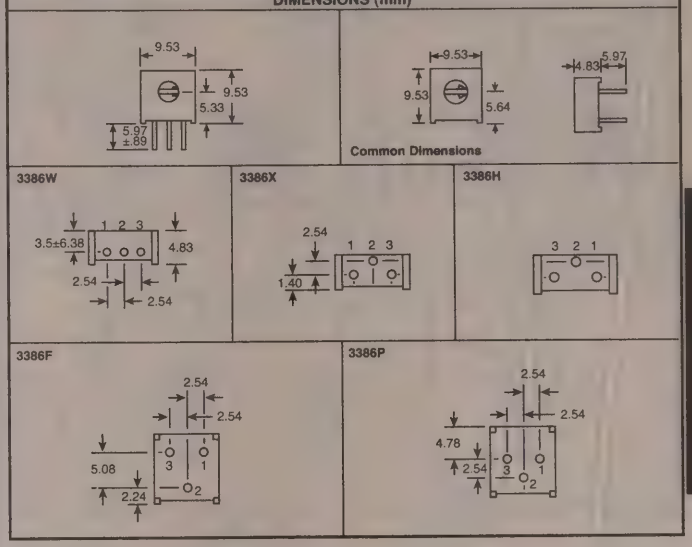
alue Ω)	3362P Series	3362R Series	3362W Series
	MOUSER STOCK NO.		
00	652-3362P-1-101	652-3362R-1-101	652-3362W-1-101
00	652-3362P-1-201	652-3362R-1-201	652-3362W-1-201
00	652-3362P-1-501	652-3362R-1-501	652-3362W-1-501
K	652-3362P-1-102	652-3362R-1-102	652-3362W-1-102
2K	652-3362P-1-202	652-3362R-1-202	652-3362W-1-202
5K	652-3362P-1-502	652-3362R-1-502	652-3362W-1-502
0K	652-3362P-1-103	652-3362R-1-103	652-3362W-1-103
0K	652-3362P-1-203	652-3362R-1-203	652-3362W-1-203
5K	652-3362P-1-253	652-3362R-1-253	652-3362W-1-253
0K	652-3362P-1-503	652-3362R-1-503	652-3362W-1-503
00K	652-3362P-1-104	652-3362R-1-104	652-3362W-1-104

alue Ω)	3362H Series	3362M Series
	MOUSER STOCK NO.	
00	652-3362H-1-101	652-3362M-1-101
00	652-3362H-1-201	652-3362M-1-201
00	652-3362H-1-501	652-3362M-1-501
IK	652-3362H-1-102	652-3362M-1-102
2K	652-3362H-1-202	652-3362M-1-202
5K	652-3362H-1-502	652-3362M-1-502
0K	652-3362H-1-103	652-3362M-1-103
0K	652-3362H-1-203	652-3362M-1-203
5K	652-3362H-1-253	652-3362M-1-253
0K	652-3362H-1-503	652-3362M-1-503
00K	652-3362H-1-104	652-3362M-1-104

alue Ω)	3362U Series	3362X Series
	MOUSER STOCK NO.	
00	652-3362U-1-101	652-3362X-1-101
00	652-3362U-1-201	652-3362X-1-201
00	652-3362U-1-501	652-3362X-1-501
IK	652-3362U-1-102	652-3362X-1-102
2K	652-3362U-1-202	652-3362X-1-202
5K	652-3362U-1-502	652-3362X-1-502
0K	652-3362U-1-103	652-3362X-1-103
0K	652-3362U-1-203	652-3362X-1-203
5K	652-3362U-1-253	652-3362X-1-253
0K	652-3362U-1-503	652-3362X-1-503
00K	652-3362U-1-104	652-3362X-1-104

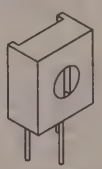
3386 SERIES 3/8" SQUARE/ INDUSTRIAL/ SEALED

DIMENSIONS (mm)



Features:
- Single turn / cermet / industrial / sealed
- Available on tape and reel
- Available with a knob for finger adjust
- Available with extended shaft
- Available with cross-slot rotor
- Top and side adjust types (F, P, H, W, X, most popular)

Specifications:
- Resistance tolerance: ±10% std. (tighter tolerance available)
- Absolute minimum resistance: 2 Ω max.
- Power rating: (300 volts max.) 85°C - 0.5 watt; 125°C - 0 watt
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C
- Rotational life: 200 cycles



Series No.	Price Each						
	1	10	50	100	500	1000	+2000
3386W	1.15	1.00	.90	.78	.74	.68	Call for Quote
3386F	1.15	1.00	.90	.78	.74	.68	
3386H	1.15	1.00	.90	.78	.74	.68	
3386P	1.15	1.00	.90	.78	.74	.68	
3386X	1.15	1.00	.90	.78	.74	.68	

Value (Ω)	3386W Series	3386F Series	3386H Series
	MOUSER STOCK NO.		
50	652-3386W-1-500	652-3386F-1-500	652-3386H-1-500
100	652-3386W-1-101	652-3386F-1-101	652-3386H-1-101
200	652-3386W-1-201	652-3386F-1-201	652-3386H-1-201
500	652-3386W-1-501	652-3386F-1-501	652-3386H-1-501
1K	652-3386W-1-102	652-3386F-1-102	652-3386H-1-102
2K	652-3386W-1-202	652-3386F-1-202	652-3386H-1-202
5K	652-3386W-1-502	652-3386F-1-502	652-3386H-1-502
10K	652-3386W-1-103	652-3386F-1-103	652-3386H-1-103
20K	652-3386W-1-203	652-3386F-1-203	652-3386H-1-203
25K	652-3386W-1-253	652-3386F-1-253	-----
50K	652-3386W-1-503	652-3386F-1-503	652-3386H-1-503
100K	652-3386W-1-104	652-3386F-1-104	652-3386H-1-104
200K	652-3386W-1-204	652-3386F-1-204	652-3386H-1-204
250K	652-3386W-1-254	652-3386F-1-254	652-3386H-1-254
500K	652-3386W-1-504	652-3386F-1-504	652-3386H-1-504
1M	652-3386W-1-105	652-3386F-1-105	652-3386H-1-105
2M	652-3386W-1-205	652-3386F-1-205	652-3386H-1-205

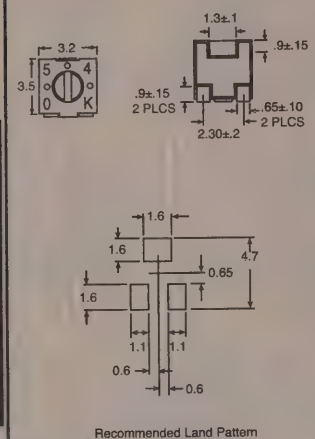
Value (Ω)	3386P Series	3386X Series
	MOUSER STOCK NO.	
50	652-3386P-1-500	652-3386X-1-500
100	652-3386P-1-101	652-3386X-1-101
200	652-3386P-1-201	652-3386X-1-201
500	652-3386P-1-501	652-3386X-1-501
1K	652-3386P-1-102	652-3386X-1-102
2K	652-3386P-1-202	652-3386X-1-202
5K	652-3386P-1-502	652-3386X-1-502
10K	652-3386P-1-103	652-3386X-1-103
20K	652-3386P-1-203	652-3386X-1-203
25K	652-3386P-1-253	652-3386X-1-253
50K	652-3386P-1-503	652-3386X-1-503
100K	652-3386P-1-104	652-3386X-1-104
200K	652-3386P-1-204	652-3386X-1-204
250K	652-3386P-1-254	652-3386X-1-254
500K	652-3386P-1-504	652-3386X-1-504
1M	652-3386P-1-105	652-3386X-1-105
2M	652-3386P-1-205	652-3386X-1-205

BOURNS Single-Turn Trimmer Potentiometers

3313 SERIES 3MM SQUARE/ CERMET/ SEALED

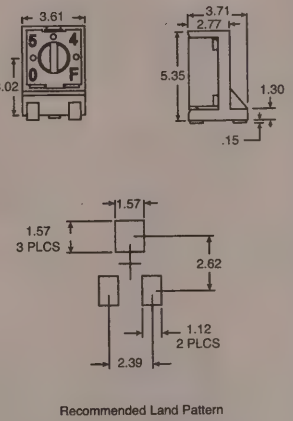
DIMENSIONS (mm)

3313J Vertical adj.



Recommended Land Pattern

3313S Horizontal adj.



Recommended Land Pattern

Features:
- Surface Mount 3 mm Square Single-Turn Cermet / Sealed
- Compatible with surface mount manufacturing processes
- Rotor stop for "in-circuit" adjustment
- 100 cycle rotational and seal life
- Patent #5043695 assembly for sealintegrity
- Plastic housing for RF applications

Value (Ω)	3313J	3313S
	MOUSER STOCK NO.	
100	652-3313J-1-101E	652-3313S-1-101E
200	652-3313J-1-201E	652-3313S-1-201E
500	652-3313J-1-501E	652-3313S-1-501E
1K	652-3313J-1-102E	652-3313S-1-102E
2K	652-3313J-1-202E	652-3313S-1-202E
5K	652-3313J-1-502E	652-3313S-1-502E
10K	652-3313J-1-103E	652-3313S-1-103E
20K	652-3313J-1-203E	652-3313S-1-203E
50K	652-3313J-1-503E	652-3313S-1-503E
100K	652-3313J-1-104E	652-3313S-1-104E

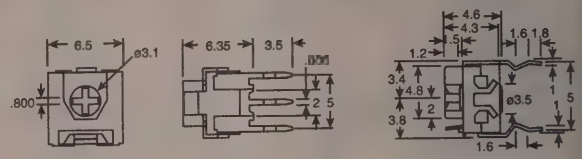
Specifications:
- Resistance tolerance: ±20% std.
- Power rating: (200 volts max.)
  70°C at 0.125 watt
  125°C at 0 watts
- Temperature Coefficient:
  ≤100 Ω ±150 ppm/°C
  ≥100 Ω ± 100 ppm/°C
- Rotational life: 100 cycles TRS ± 3%
- Operating temp. range: -55°C to +125°C

Series No.	Reel Qty.	Price Each					
		1	100	500	1000	2000	+5000
3313J	1000	1.50	1.20	1.08	.90	.85	Call
3313S	1000	1.50	1.20	1.08	.90	.85	

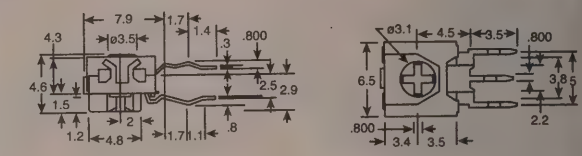
3318 SERIES 6MM TRIMMER CARBON POTENTIOMETERS

DIMENSIONS (mm)

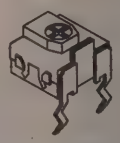
3318P



3318S



Features:
- Single-turn/carbon/commercial open frame
- Cross slot rotor design suitable for automatic adjustment equipment
- Adjustable front / back, top/bottom
- Board retention features
- PC board stand-offs
- Enclosed cover



Specifications:
- Resistance tolerance: ±20%
- Contact resistance variation: 10% max.
- Resolution: infinite
- Adjustment angle: 210° ± 15
- Power rating: 0.1 watt
- Temperature range: -10° C to 70° C
- Temperature coefficient: ±1,000 PPM/° C
- Load life: 240 hours @ 50° C (+20/-5 %ΔTR)
- Torque (operating): 20~250 gf-cm
- Stop Strength:
  Knob side: 800 gf-cm
  Reverse side: 350 gf-cm
- Terminals: Solderable pins
- Marking: resistance code
- Standard packaging:
  500 pcs. per bag

Value (Ω)	3318P	3318S
	MOUSER STOCK NO.	
100	652-3318P-1-101	652-3318S-1-10
200	652-3318P-1-201	652-3318S-1-20
500	652-3318P-1-501	652-3318S-1-50
1K	652-3318P-1-102	652-3318S-1-10
2K	652-3318P-1-202	652-3318S-1-20
5K	652-3318P-1-502	652-3318S-1-50
10K	652-3318P-1-103	652-3318S-1-10
20K	652-3318P-1-203	652-3318S-1-20
50K	652-3318P-1-503	652-3318S-1-50

Series No.	Price Each						
	1	10	50	100	500	1000	+20
3318P	.26	.20	.16	.13	.12	.11	Ca
3318S	.26	.20	.16	.13	.12	.11	

3314 SERIES 4MM SQUARE/ SMD/ CERMET/ SEALED

Features:
- Surface mount / single turn / industrial / sealed
- Compatible with surface mount manufacturing processes.
- Compatible with popular vacuum pick-and-place equipment.

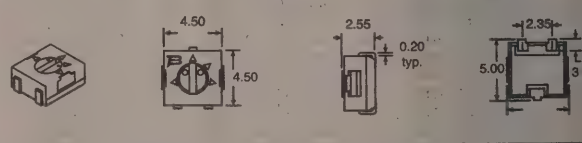
Specifications:
- Resistance tolerance: ±20% std.
- Temp. range: -55°C to +125°C
- Temp. coefficient: ±100ppm/°C
- Mechanical angle: 240° nominal
- Torque: 180g-cm typical
- Stop strength: 300g-cm typical
- Marking: manufacturer's code, resistance code, and date code
- Wiper: positioned at 50% nominal

Value (Ω)	3314J Series	3314G Series	3314Z Series	3314S Series
	MOUSER STOCK NO.			
100	652-3314J-1-101E	652-3314G-1-101E	652-3314Z-1-101E	652-3314S-1-101E
200	652-3314J-1-201E	652-3314G-1-201E	652-3314Z-1-201E	652-3314S-1-201E
500	652-3314J-1-501E	652-3314G-1-501E	652-3314Z-1-501E	652-3314S-1-501E
1K	652-3314J-1-102E	652-3314G-1-102E	652-3314Z-1-102E	652-3314S-1-102E
2K	652-3314J-1-202E	652-3314G-1-202E	652-3314Z-1-202E	652-3314S-1-202E
5K	652-3314J-1-502E	652-3314G-1-502E	652-3314Z-1-502E	652-3314S-1-502E
10K	652-3314J-1-103E	652-3314G-1-103E	652-3314Z-1-103E	652-3314S-1-103E
20K	652-3314J-1-203E	652-3314G-1-203E	652-3314Z-1-203E	652-3314S-1-203E
50K	652-3314J-1-503E	652-3314G-1-503E	652-3314Z-1-503E	652-3314S-1-503E
100K	652-3314J-1-104E	652-3314G-1-104E	652-3314Z-1-104E	652-3314S-1-104E

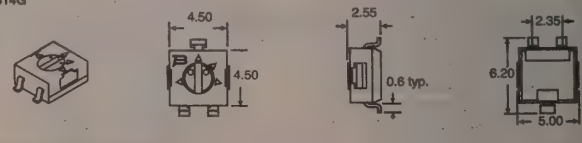
Series No.	Reel Qty.	Price Each						
		1	100	200	500	1000	2000	+5000
3314J	500	1.80	1.56	1.32	.98	.95	.90	Call for Quote
3314G	500	1.80	1.56	1.32	.98	.95	.90	
3314Z	200	1.98	1.72	1.40	1.19	1.06	.99	
3314S	200	1.98	1.72	1.40	1.19	1.06	.99	

DIMENSIONS (m

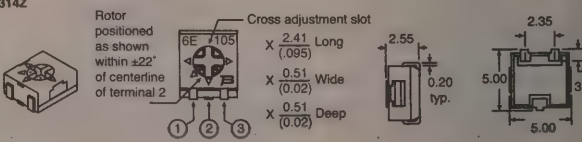
3314J



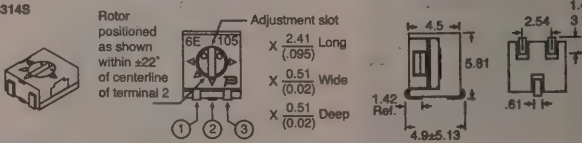
3314G



3314Z



3314S



PIHER 6MM CARBON TRIMMER

DIMENSIONS (mm)

Features:
- Carbon resistive element
- Dust proof enclosure
- Polyester substrate
- Also upon request:
  - Wiper positioned at 50% or fully clockwise
  - Supplied in magazines for automatic insertion
  - Long life model PT-6...E (10,000 cycles)
  - Without crimping model. PT-6...SC
  - Housing available in self extinguishable plastic (VL94V0)

Specifications:
- Power rating: 0.1W
- Linear taper
- Temperature range: -25°C to +70°C
- Mechanical rotation: 235°±10°
- Electrical rotation: 200°±20°
- Tolerance: ±20%

For quantities of 5,000 and up, call for quote.

Price Each			
1	100	500	1000
.28	.23	.22	.21

Also available in vertical mount, horizontal adjust.

MOUSER STOCK NO.	Piher Part No.
Horizontal Mount/Vertical Adjust	
531-PT6KV-500	PT6KV-501A2020
531-PT6KV-1K	PT6KV-102A2020
531-PT6KV-2K	PT6KV-202A2020
531-PT6KV-2.5K	PT6KV-252A2020
531-PT6KV-5K	PT6KV-502A2020
531-PT6KV-10K	PT6KV-103A2020
531-PT6KV-20K	PT6KV-203A2020
531-PT6KV-25K	PT6KV-253A2020
531-PT6KV-47K	PT6KV-473A2020
531-PT6KV-50K	PT6KV-503A2020
531-PT6KV-100K	PT6KV-104A2020
531-PT6KV-500K	PT6KV-504A2020
531-PT6KV-1M	PT6KV-105A2020

PIHER 6MM CARBON POTENTIOMETER

ifications:
- chanical Rotation Angle: 280° ± 10°
- rque: 0.2 to 3 Ncm. (0.28 to 4.2 in-oz)
- erance: 100Ω ≤ Rn ≤ 1MΩ ±30
- minal Power: 50°C (122°F): 0.1W
- erating Temperature: -25°C +70°C (-13°F +158°F)
- Electrical Rotation Angle: 245° ± 25°
- Stop Torque: >7.5 Ncm. (10.5 in-oz)
- Max. Voltage: 100 VDC
- Taper: linear
- Equivalent noise resistance: ≤ 5%
- End Resistance: ≤ 2% Rn (10Ω min.)

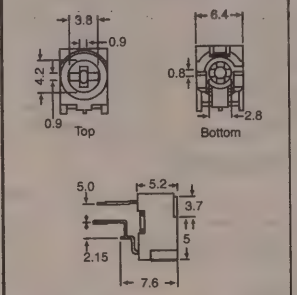
MOUSER STOCK NO.	Piher Part No.	Mounting Method	Terminal Style	Fig.
-N6-L50T0C-1K	N6-L50T0C-102	laydown	5.0mm	A
-N6-L50T0C-10K	N6-L50T0C-103	laydown	5.0mm	A
-N6-L50T0C-100K	N6-L50T0C-104	laydown	5.0mm	A
-N6-L50T0C-1M	N6-L50T0C-105	laydown	5.0mm	A
-N6-S25T0C-1K	N6-S25T0C-102	standup	2.5mm	B
-N6-S25T0C-10K	N6-S25T0C-103	standup	2.5mm	B
-N6-S25T0C-100K	N6-S25T0C-104	standup	2.5mm	B
-N6-S25T0C-1M	N6-S25T0C-105	standup	2.5mm	B

Features:
- Carbon resistive element
- Polyester substrate
- Over-moulding manufacturing technique
- SMD or through hole
- Embossed tape (for SMD), Tape on reel, Ammopack and Magazine packaging for automatic insertion and bulk for manual assembly
- Wiper positioned at 50%
- Both sides cross slot easy adjustment
- Accidental rotor movement protected
- Traceability insured through date code marking
- Assembly method: Stand up, Lay down

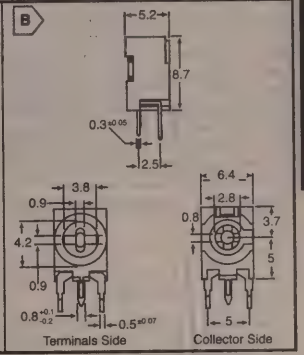
For quantities of 5,000 and up, call for quote.

Price Each			
1	100	500	1000
.25	.21	.19	.17

A — DIMENSIONS (mm)



B



PIHER 10MM CARBON TRIMMERS

ecifications:
- ower rating: 0.15W
- emperature range: -25°C to +70°C
- Linear taper
- Mechanical rotation: 235°±10°
- Electrical rotation: 220°±20°
- Tolerance: 100Ω~1mΩ ±20%; 2mΩ~5mΩ ±30%

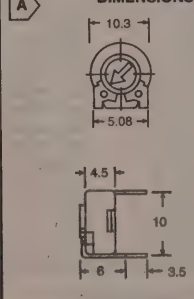
Features:
- Carbon resistive element
- Dust proof enclosure
- Polyester substrate

MOUSER STOCK NO.	Piher Part No.	Fig.
rizontal Mount/Vertical Adjust		
-PT10V-100	PT10LV10-101A2020	A
-PT10V-200	PT10LV10-201A2020	A
-PT10V-250	PT10LV10-251A2020	A
-PT10V-500	PT10LV10-501A2020	A
-PT10V-1K	PT10LV10-102A2020	A
-PT10V-2K	PT10LV10-202A2020	A
-PT10V-2.5K	PT10LV10-252A2020	A
-PT10V-5K	PT10LV10-502A2020	A
-PT10V-10K	PT10LV10-103A2020	A
-PT10V-20K	PT10LV10-203A2020	A
-PT10V-22K	PT10V10-223A2020	A
-PT10V-25K	PT10LV10-253A2020	A
-PT10V-50K	PT10LV10-503A2020	A
-PT10V-100K	PT10LV10-104A2020	A
-PT10V-200K	PT10LV10-204A2020	A
-PT10V-220K	PT10LV10-224A2020	A
-PT10V-250K	PT10LV10-254A2020	A
-PT10V-500K	PT10LV10-504A2020	A
-PT10V-1M	PT10LV10-105A2020	A
-PT10V-2M	PT10LV10-205A3030	A
-PT10V-2.5K	PT10LV10-252A3030	A
-PT10V-5M	PT10LV10-505A3030	A
rtical Mount/Horizontal Adjust		
-PT10H-100	PT10LH01-101A2020	B
-PT10H-200	PT10LH01-201A2020	B
-PT10H-250	PT10LH01-251A2020	B
-PT10H-500	PT10LH01-501A2020	B
-PT10H-1K	PT10LH01-102A2020	B
-PT10H-2K	PT10LH01-202A2020	B
-PT10H-2.5K	PT10LH01-252A2020	B
-PT10H-5K	PT10LH01-502A2020	B
-PT10H-10K	PT10LH01-103A2020	B
-PT10H-20K	PT10LH01-203A2020	B
-PT10H-22K	PT10LH01-223A2020	B
-PT10H-25K	PT10LH01-253A2020	B
-PT10H-50K	PT10LH01-503A2020	B
-PT10H-100K	PT10LH01-104A2020	B
-PT10H-200K	PT10LH01-204A2020	B
-PT10H-220K	PT10LH01-224A2020	B
-PT10H-250K	PT10LH01-254A2020	B
-PT10H-500K	PT10LH01-504A2020	B
-PT10H-1M	PT10LH01-105A2020	B
-PT10H-2M	PT10LH01-205A3030	B
-PT10H-2.5M	PT10LH01-255A3030	B
-PT10H-5M	PT10LH01-505A3030	B

MOUSER STOCK NO.	Piher Part No.	Fig.
Horizontal Mount/ Vertical Adjust		
531-PT10MV-100	PT10MV10-101A2020	C
531-PT10MV-200	PT10MV10-201A2020	C
531-PT10MV-250	PT10MV10-251A2020	C
531-PT10MV-500	PT10MV10-501A2020	C
531-PT10MV-1K	PT10MV10-102A2020	C
531-PT10MV-2K	PT10MV10-202A2020	C
531-PT10MV-2.5K	PT10MV10-252A2020	C
531-PT10MV-5K	PT10MV10-502A2020	C
531-PT10MV-10K	PT10MV10-103A2020	C
531-PT10MV-20K	PT10MV10-203A2020	C
531-PT10MV-22K	PT10MV10-223A2020	C
531-PT10MV-25K	PT10MV10-253A2020	C
531-PT10MV-50K	PT10MV10-503A2020	C
531-PT10MV-100K	PT10MV10-104A2020	C
531-PT10MV-200K	PT10MV10-204A2020	C
531-PT10MV-220K	PT10MV10-224A2020	C
531-PT10MV-250K	PT10MV10-254A2020	C
531-PT10MV-500K	PT10MV10-504A2020	C
531-PT10MV-1M	PT10MV10-105A2020	C
531-PT10MV-2M	PT10MV10-205A3030	C
531-PT10MV-2.5M	PT10MV10-255A3030	C
531-PT10MV-5M	PT10MV10-505A3030	C
Vertical Mount/Horizontal Adjust		
531-PT10MH-100	PT10MH01-101A2020	D
531-PT10MH-200	PT10MH01-201A2020	D
531-PT10MH-250	PT10MH01-251A2020	D
531-PT10MH-500	PT10MH01-501A2020	D
531-PT10MH-1K	PT10MH01-102A2020	D
531-PT10MH-2K	PT10MH01-202A2020	D
531-PT10MH-2.5K	PT10MH01-252A2020	D
531-PT10MH-5K	PT10MH01-502A2020	D
531-PT10MH-10K	PT10MH01-103A2020	D
531-PT10MH-20K	PT10MH01-203A2020	D
531-PT10MH-22K	PT10MH01-223A2020	D
531-PT10MH-25K	PT10MH01-253A2020	D
531-PT10MH-50K	PT10MH01-503A2020	D
531-PT10MH-100K	PT10MH01-104A2020	D
531-PT10MH-200K	PT10MH01-204A2020	D
531-PT10MH-220K	PT10MH01-224A2020	D
531-PT10MH-250K	PT10MH01-254A2020	D
531-PT10MH-500K	PT10MH01-504A2020	D
531-PT10MH-1M	PT10MH01-105A2020	D
531-PT10MH-2M	PT10MH01-205A3030	D
531-PT10MH-2.5M	PT10MH01-255A3030	D
531-PT10MH-5M	PT10MH01-505A3030	D

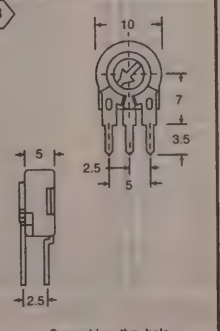
Price Each					
1	100	500	1000	2000	4000
.42	.39	.33	.31	.29	Call for Quote

A — DIMENSIONS (mm)



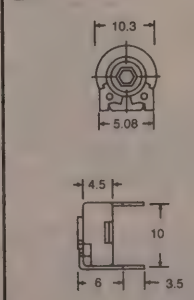
Screwdriver thru hole

B



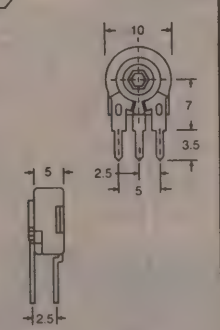
Screwdriver thru hole

C



Hexagonal thru hole

D



Hexagonal thru hole

PIHER 10MM CERMET TRIMMERS

Specifications:
- Power rating: 0.33W
- Temperature range: -40°C to +90°C
- Mechanical rotation: 235°±5°
- Electrical rotation: 220°±20°
- Linear taper
- Tolerance: ±20%

Features:
- Cermet resistive element
- Dust proof enclosure
- Plastic material according to UL94V-0
- Alumina substrate

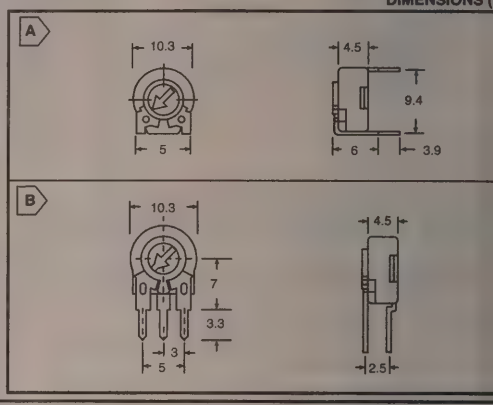
Available upon Request:
- Wiper positioned at 50% or fully clockwise
- Supplied in magazines for automatic insertion
- Long life model for low cost control potentiometers applications
- Self extinguishable plastic UL 94V-0
- Cut track option
- Special Tapers
- Mechanical detents
- Low and extra low torque verions
- Special switch option

Price Each					
1	100	500	1000	2000	400
.47	.45	.43	.40	.39	Cal

MOUSER STOCK NO.	Piher Part No.	Fig.
Horizontal Mount/Vertical Adjust		
531-PTC10V-100	PTC10LV10-101A2020	A
531-PTC10V-200	PTC10LV10-201A2020	A
531-PTC10V-500	PTC10LV10-501A2020	A
531-PTC10V-1K	PTC10LV10-102A202	A
531-PTC10V-2K	PTC10LV10-202A2020	A
531-PTC10V-2.5K	PTC10LV10-252A2020	A
531-PTC10V-5K	PTC10LV10-502A2020	A
531-PTC10V-10K	PTC10LV10-103A2020	A
531-PTC10V-20K	PTC10LV10-203A2020	A
531-PTC10V-25K	PTC10LV10-253A2020	A
531-PTC10V-50K	PTC10LV10-503A2020	A
531-PTC10V-100K	PTC10LV10-104A2020	A
531-PTC10V-200K	PTC10LV10-204A2020	A
531-PTC10V-250K	PTC10LV10-254A2020	A
531-PTC10V-500K	PTC10LV10-504A2020	A

MOUSER STOCK NO.	Piher Part No.	Fig.
Vertical Mount/Horizontal Adjust		
531-PTC10H-100	PTC10LH01-101A2020	B
531-PTC10H-200	PTC10LH01-201A2020	B
531-PTC10H-500	PTC10LH01-501A2020	B
531-PTC10H-1K	PTC10LH01-102A2020	B
531-PTC10H-2K	PTC10LH01-202A2020	B
531-PTC10H-2.5K	PTC10LH01-252A2020	B
531-PTC10H-5K	PTC10LH01-502A2020	B
531-PTC10H-10K	PTC10LH01-103A2020	B
531-PTC10H-20K	PTC10LH01-203A2020	B
531-PTC10H-25K	PTC10LH01-253A2020	B
531-PTC10H-50K	PTC10LH01-503A2020	B
531-PTC10H-100K	PTC10LH01-104A2020	B
531-PTC10H-200K	PTC10LH01-204A202	B
531-PTC10H-250K	PTC10LH01-254A2020	B
531-PTC10H-500K	PTC10LH01-504A2020	B

DIMENSIONS (



Piher

PIHER 15MM CARBON TRIMMERS

Specifications:
- Temperature Range: -25°C to +70°C (-13°F + 158°F)
- Residual Resistance: ≤3% Rn (3Ω min.)
- Tolerance: 100Ω~1mΩ ±20% 2mΩ~5mΩ ±30%
- Max. Voltage: 250 VDC (lin) 125 VDC (no lin)
- Nominal Power: 50°C (122°F), 0.25W (lin) 0.12W (no lin)
- Power Rating: 0.25W
- Taper: Linear
- Electrical Rotation: 250° ±20°
- Mechanical Rotation: 265° to ±5°

Available upon Request:
- Supplied in magazines for automatic insertion
- Wiper positioned at 50% or fully clockwise
- Long life model for low cost control potentiometers applications
- Self extinguishable plastic UL 94V-0
- Cut track option
- Special Tapers
- Mechanical detents

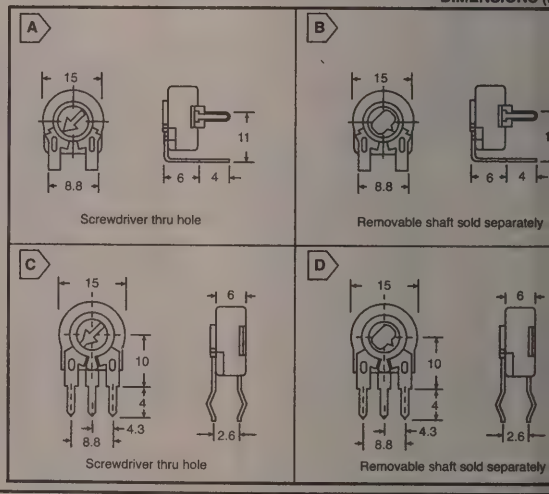
Features:
- Carbon Resistive element
- Dust proof enclosure
- Polyester substrate

Price Each					
1	100	500	1000	2000	400
.41	.37	.33	.31	.29	Cal

MOUSER STOCK NO.	Piher Part No.	Fig.
Horizontal Mount/ Vertical Adjust		
531-PT15D-100	PT15LV18-101A2020	A
531-PT15D-200	PT15LV18-201A2020	A
531-PT15D-250	PT15LV18-251A2020	A
531-PT15D-500	PT15LV18-501A2020	A
531-PT15D-1K	PT15LV18-102A2020	A
531-PT15D-2K	PT15LV18-202A2020	A
531-PT15D-2.5K	PT15LV18-252A2020	A
531-PT15D-5K	PT15LV18-502A2020	A
531-PT15D-10K	PT15LV18-103A2020	A
531-PT15D-20K	PT15LV18-203A2020	A
531-PT15D-25K	PT15LV18-253A2020	A
531-PT15D-50K	PT15LV18-503A2020	A
531-PT15D-100K	PT15LV18-104A2020	A
531-PT15D-200K	PT15LV18-204A2020	A
531-PT15D-250K	PT15LV18-254A2020	A
531-PT15D-500K	PT15LV18-504A2020	A
531-PT15D-1M	PT15LV18-105A2020	A
531-PT15D-2M	PT15LV18-205A3030	A
531-PT15D-2.5M	PT15LV18-255A3030	A
531-PT15D-5M	PT15LV18-505A3030	A
531-PT15NH-10K	PT15NH06-103A2020	D
531-PT15NH-1K	PT15NH06-102A2020	D
531-PT15NH-2M	PT15NH06-205A3030	D
531-PT15NH-50K	PT15NH06-503A2020	D

MOUSER STOCK NO.	Piher Part No.	Fig.
Vertical Mount/Horizontal Adjust		
531-PT15B-100	PT15LH06-101A2020	C
531-PT15B-200	PT15LH06-201A2020	C
531-PT15B-250	PT15LH06-251A2020	C
531-PT15B-500	PT15LH06-501A2020	C
531-PT15B-1K	PT15LH06-102A2020	C
531-PT15B-2K	PT15LH06-202A2020	C
531-PT15B-2.5K	PT15LH06-252A2020	C
531-PT15B-5K	PT15LH06-502A2020	C
531-PT15B-10K	PT15LH06-103A2020	C
531-PT15B-20K	PT15LH06-203A2020	C
531-PT15B-25K	PT15LH06-253A2020	C
531-PT15B-50K	PT15LH06-503A2020	C
531-PT15B-100K	PT15LH06-104A2020	C
531-PT15B-200K	PT15LH06-204A2020	C
531-PT15B-250K	PT15LH06-254A2020	C
531-PT15B-500K	PT15LH06-504A2020	C
531-PT15B-1M	PT15LH06-105A2020	C
531-PT15B-2M	PT15LH06-205A3030	C
531-PT15B-2.5M	PT15LH06-255A3030	C
531-PT15B-5M	PT15LH06-505A3030	C
531-PT15NV-10K	PT15NV18-103A2020	B
531-PT15NV-25K	PT15NV18-253A2020	B
531-PT15NV-50K	PT15NV18-503A2020	B
531-PT15NV-100K	PT15NV18-104A2020	B

DIMENSIONS (



PIHER 15MM CERMET TRIMMERS

Specifications:
- Mechanical Rotation Angle: 265° ± 5°
- Electrical Rotation Angle: 250° ± 20°
- Torque: 0.5 to 2.5 Ncm. (0.7 to 3.4 in-oz)
- Stop Torque: > 10 Ncm. (>14 in-oz)
- Tolerance: 100Ω < Rn < 1M Ω = ±20
- Max. Voltage:250 VDC (lin) 125 VDC (no lin)
- Nominal Power: 70°C (158°F) 0.50W (lin) 0.25W (no lin)
- Taper: Linear
- Residual Resistance: ≤5.10 Rn (2Ω min.)
- Equivalent Noise Resistance: ≤ 3% Rn (3 Ω min.)
- Operating Temperature: -40°C + 90°C (-40°F + 194°F)

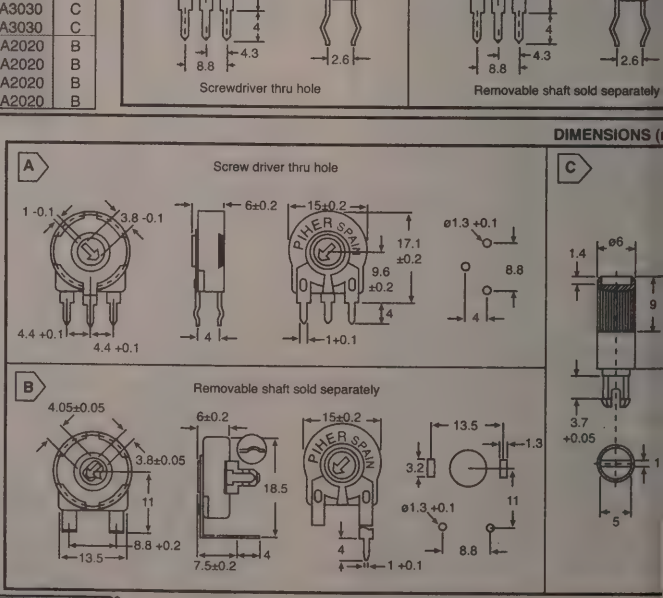
Features:
- Cermet Resistive Element
- Dust Proof Enclosure
- Plastic Material According to UL94V-0
- Alumina Substrate

Available upon Request:
- Wiper positioned at 50% or fully clockwise
- Long life model for low cost control pot. applications
- Supplied in magazines for automatic insertion
- Low Torque option
- Available as SPDT switch
- Special tapers
- Mechanical detents

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Piher Part No.	Fig.	Price Each				
			1	25	50	100	200
531-PTC15LH06-250	PTC15LH06-251A2020	A	.76	.69	.67	.61	.57
531-PTC15NV18-1K	PTC15NV18-102A2020	B	.76	.69	.67	.61	.57
Shaft							
531-5219CR	XEJPL5219CR	C	.43	.41	.37	.34	.32

DIMENSIONS (



MOUSER ELECTRONICS a tti company (800) 346-6873

SHAY / SFERNICE 3MM SINGLE TURN SMD, SQUARE, EALED, CERMET TRIMMERS

cifications:
lerance: ±20%
perating temperature range: -55°C to +125°C
otational life: 100 cycles

- Power rating: .125W @ 70°C, 0W @ 125°C
- Temperature Coefficient: ≤100 ohm ± 150ppm/°C, >100 ohms ± 100ppm/°C

atures:
ompatible with surface mount manufacturing rocesses
00 cycle rotational and seal life

Table of Values (Ω)				
10	200	5K	50K	500K
20	500	10K	100K	1M
50	1K	20K	200K	2M
100	2K			

MOUSER STOCK NO.	Fig.	Cross-Reference
		Bourns
2-TS3YJ-Value	A	3313J

Price Each				
1	50	100	500	1000
1.38	1.21	1.12	1.04	Call

SHAY / SFERNICE 1/4" SINGLE-TURN, SQUARE, ERMET TRIMMERS

ecifications:
olerance: ±10%
Operating temperature range: -55°C to +125°C
Rated voltage: 250VD
Rotation: 250° ± 15°
Power rating: .5W @ 100°C
Temperature coefficient: ±70ppm/°C
Rotation life: 200 cycles

atures:
Withstands harsh environments and immersion cleaning processes

MOUSER STOCK NO.	Fig.
72-T70YP-Value	B
72-T70YB-Value	C
72-T70YE-Value	C
72-T70XH-Value	D

Table of Values (Ω)				
100	1K	10K	50K	500K
200	2K	20K	100K	1M
500	5K	25K	200K	

Price Each				
1	25	50	100	200
.88	.73	.65	.60	Call

ISHAY / SFERNICE 3/8" SINGLE-TURN, SQUARE, CERMET TRIMMERS

pecifications:
Tolerance: ±10%
Oper. temp. range: -55°C to +125°C
Rated voltage: 250VDC
Rotation: 250° ± 15°
Power rating: .5W @ +85°C

- Temperature Coefficient: ±100ppm/°C
- Rotation life: 200 cycles

eatures:
Withstands harsh environments and immersion cleaning processes.

MOUSER STOCK NO.	Fig.
72-T20YP-Value	E
72-T20XX-Value	F
72-T20YM-Value	G
72-T20XH-Value	H
72-T20XW-Value	H

Table of Values (Ω)				
50	1K	20K	100K	500K
100	2K	25K	200K	1M
200	5K	50K	250K	2M
500	10K			

Price Each				
1	25	50	100	200
.76	.60	.58	.56	Call

VISHAY / SPECTROL 3/8" SINGLE-TURN CERMET TRIMMERS WITH KNOBS

Specifications:
Tolerance: ±10%
Coefficient of resistance: ±100ppm/°C
Rating: 0.5 W @ 70°C, derated linearly to 0 W @125°C

- Contact resistance variation: 2% or 2Ω, whichever is greater
- Electrical travel: 270°

Features:
Sealed for cleaning in common solvents
Easy adjustment and stability

Value (Ω)	MOUSER STOCK NO. 63P Series (T7)	Fig.	MOUSER STOCK NO. 63P Series (T4)	Fig.
1K	594-63P102T7	I	594-63P102T4	J
2K	594-63P202T7	I	594-63P202T4	J
5K	594-63P502T7	I	594-63P502T4	J
10K	594-63P103T7	I	594-63P103T4	J
20K	594-63P203T7	I	594-63P203T4	J
50K	594-63P503T7	I	594-63P503T4	J
100K	594-63P104T7	I	594-63P104T4	J

Price Each					
1	25	50	100	200	500+
2.05	1.82	1.64	1.50	1.31	Call

VISHAY / SFERNICE 1/4" SINGLE-TURN, ROUND, CERMET TRIMMERS

pecifications:
Tolerance: ±10%
Oper. temp. range: -55°C to +150°C
Rotational life: 200 cycles
Power rating: .5W @ +85°C
Temperature coefficient: ±100ppm/°C

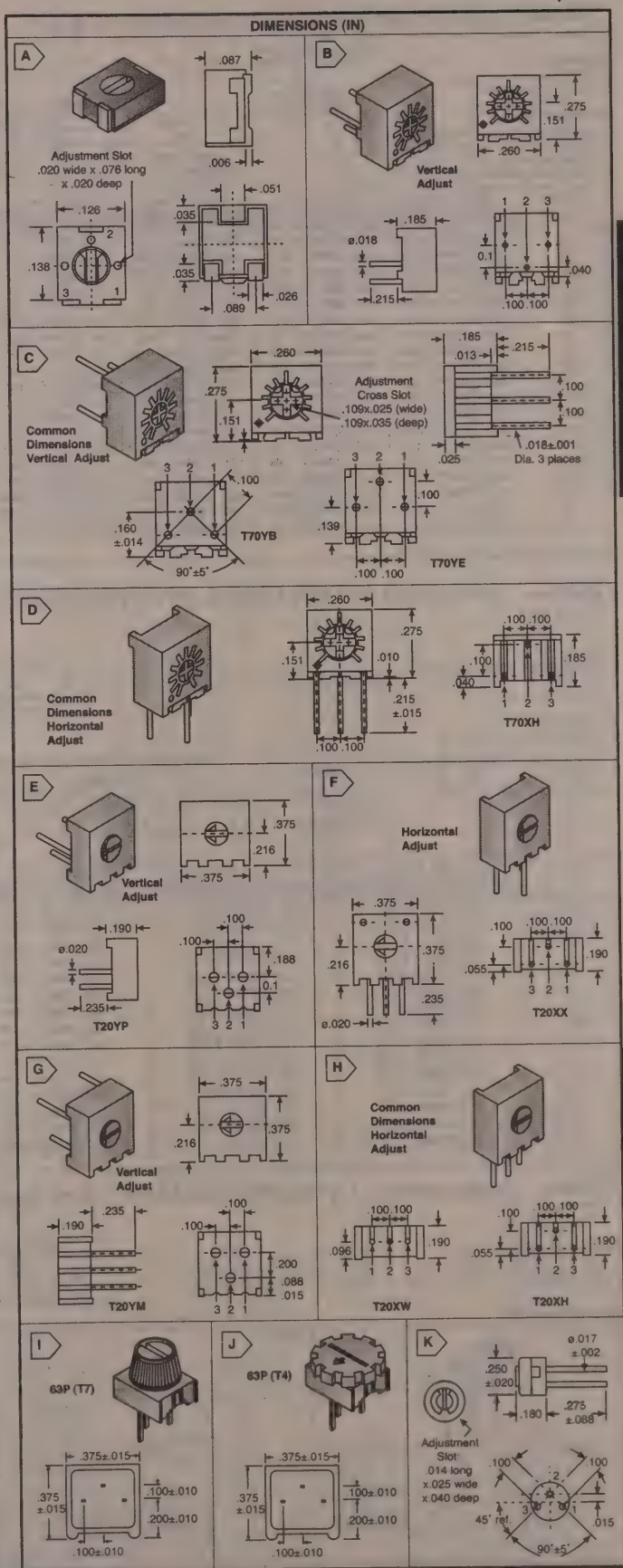
Features:
- Fully sealed to withstand board washing

MOUSER STOCK NO.	Fig.
72-T7RYB-Value	K

Table of Values (Ω)				
50	500	5K	50K	500K
100	1K	10K	100K	1M
200	2K	20K	200K	

Price Each				
1	25	50	100	200
1.50	1.25	1.13	1.00	Call

DIMENSIONS (IN)



BOURNS Multi-Turn Cermet Trimmer Potentiometers

3296 SERIES 3/8" SQUARE/ 25 TURN/ SEALED

Features:
- 5 terminal styles
- Chevron seal design

Specifications:
- Resistance tolerance: ±10% std.
- Power rating: 70°C - 0.5W; 125°C - 0W
- Temperature range: -55°C to +150°C
- Temperature coefficient: ±100ppm/°C

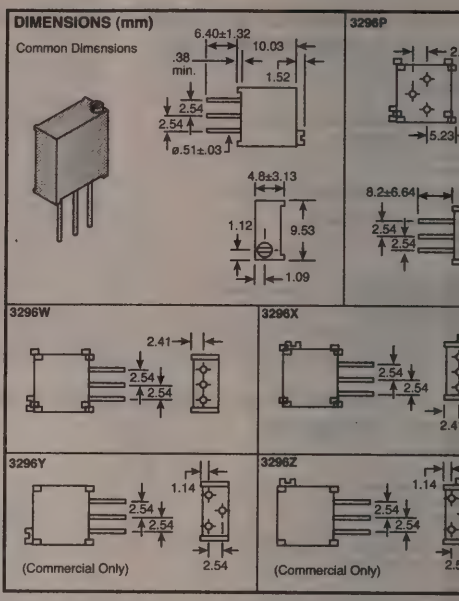
To Order Lead Free Add: -LF to the end of the Mouser Stock No.

For quantities of 2,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3296P, 3296Z	2.37	2.12	1.89	1.81	1.60	1.50
3296W, X, Y	2.20	2.00	1.75	1.58	1.49	1.39

Value (Ω)	3296P Series	3296W Series	3296X Series	3296Y Series	3296Z Series
	MOUSER STOCK NO.				
10	652-3296P-1-100	652-3296W-1-100	652-3296X-1-100	652-3296Y-1-100	652-3296Z-1-100
20	652-3296P-1-200	652-3296W-1-200	652-3296X-1-200	652-3296Y-1-200	652-3296Z-1-200
50	652-3296P-1-500	652-3296W-1-500	652-3296X-1-500	652-3296Y-1-500	652-3296Z-1-500
100	652-3296P-1-101	652-3296W-1-101	652-3296X-1-101	652-3296Y-1-101	652-3296Z-1-101
200	652-3296P-1-201	652-3296W-1-201	652-3296X-1-201	652-3296Y-1-201	652-3296Z-1-201
500	652-3296P-1-501	652-3296W-1-501	652-3296X-1-501	652-3296Y-1-501	652-3296Z-1-501
1K	652-3296P-1-102	652-3296W-1-102	652-3296X-1-102	652-3296Y-1-102	652-3296Z-1-102
2K	652-3296P-1-202	652-3296W-1-202	652-3296X-1-202	652-3296Y-1-202	652-3296Z-1-202
5K	652-3296P-1-502	652-3296W-1-502	652-3296X-1-502	652-3296Y-1-502	652-3296Z-1-502
10K	652-3296P-1-103	652-3296W-1-103	652-3296X-1-103	652-3296Y-1-103	652-3296Z-1-103
20K	652-3296P-1-203	652-3296W-1-203	652-3296X-1-203	652-3296Y-1-203	652-3296Z-1-203
25K	652-3296P-1-253	652-3296W-1-253	652-3296X-1-253	652-3296Y-1-253	652-3296Z-1-253
50K	652-3296P-1-503	652-3296W-1-503	652-3296X-1-503	652-3296Y-1-503	652-3296Z-1-503
100K	652-3296P-1-104	652-3296W-1-104	652-3296X-1-104	652-3296Y-1-104	652-3296Z-1-104
200K	652-3296P-1-204	652-3296W-1-204	652-3296X-1-204	652-3296Y-1-204	652-3296Z-1-204
250K	652-3296P-1-254	652-3296W-1-254	652-3296X-1-254	652-3296Y-1-254	652-3296Z-1-254
500K	652-3296P-1-504	652-3296W-1-504	652-3296X-1-504	652-3296Y-1-504	652-3296Z-1-504
1M	652-3296P-1-105	652-3296W-1-105	652-3296X-1-105	652-3296Y-1-105	652-3296Z-1-105
2M	652-3296P-1-205	652-3296W-1-205	652-3296X-1-205	652-3296Y-1-205	652-3296Z-1-205

DIMENSIONS (mm)



3006 SERIES 3/4" RECTANGULAR/ 15 TURN/ SEALED

Features:
- Low PC board profile - only 1/4" high

Specifications:
- Resistance tolerance: ±10% std.
- Power rating: 70°C - 0.75W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C

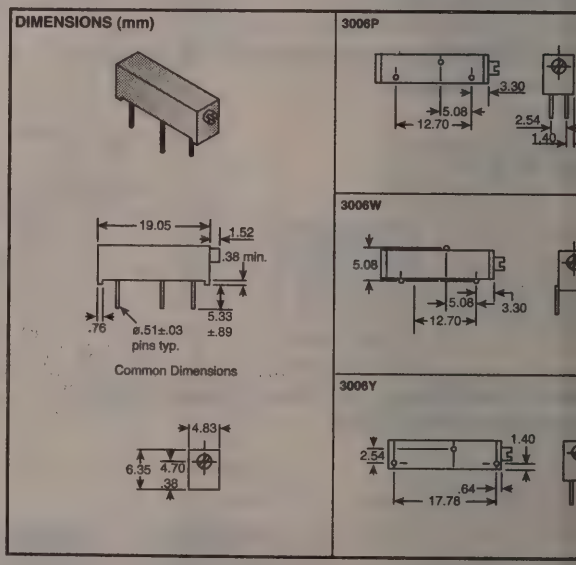
To Order Lead Free Add: -LF to the end of the Mouser Stock No.

For quantities of 2,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3006P	1.55	1.41	1.28	1.10	1.03	.96
3006W, 3006Y	1.66	1.50	1.35	1.18	1.10	1.03

Value (Ω)	3006P Series	3006W Series	3006Y Series
	MOUSER STOCK NO.		
100	652-3006P-1-101	652-3006W-1-101	652-3006Y-1-101
200	652-3006P-1-201	652-3006W-1-201	652-3006Y-1-201
500	652-3006P-1-501	652-3006W-1-501	652-3006Y-1-501
1K	652-3006P-1-102	652-3006W-1-102	652-3006Y-1-102
2K	652-3006P-1-202	652-3006W-1-202	652-3006Y-1-202
5K	652-3006P-1-502	652-3006W-1-502	652-3006Y-1-502
10K	652-3006P-1-103	652-3006W-1-103	652-3006Y-1-103
20K	652-3006P-1-203	652-3006W-1-203	652-3006Y-1-203
25K	652-3006P-1-253	652-3006W-1-253	652-3006Y-1-253
50K	652-3006P-1-503	652-3006W-1-503	652-3006Y-1-503
100K	652-3006P-1-104	652-3006W-1-104	652-3006Y-1-104
200K	652-3006P-1-204	652-3006W-1-204	652-3006Y-1-204
250K	652-3006P-1-254	652-3006W-1-254	652-3006Y-1-254
500K	652-3006P-1-504	652-3006W-1-504	652-3006Y-1-504
1M	652-3006P-1-105	652-3006W-1-105	652-3006Y-1-105

DIMENSIONS (mm)



3059 SERIES 1-1/4" RECTANGULAR/ 22 TURN/ SEALED

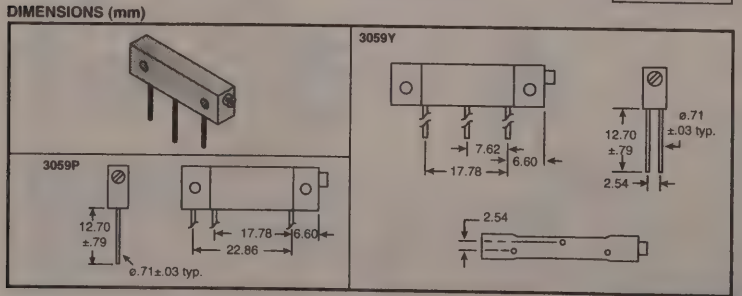
Specifications:
- Resistance tolerance: ±10% std.
- Power rating: 70°C - 1.0W; 150°C - 0W
- Temperature range: -55°C to +150°C
- Temperature coefficient: ±100ppm/°C

To Order Lead Free Add: -LF to the end of the Mouser Stock No.

For quantities of 2,000 or more, call for q

Series No.	Price Each					
	1	10	50	100	500	1
3059P, 3059Y	5.34	4.76	4.14	3.87	3.65	3

DIMENSIONS (mm)



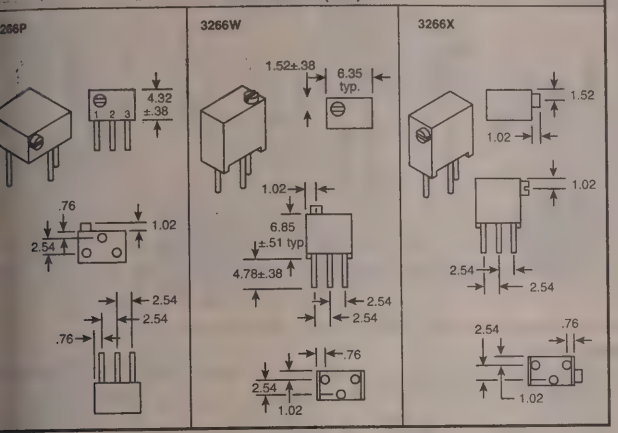
Value (Ω)	3059P Series	3059Y Series
	MOUSER STOCK NO.	
100	652-3059P-1-101	652-3059Y-1-101
200	652-3059P-1-201	652-3059Y-1-201
500	652-3059P-1-501	652-3059Y-1-501
1K	652-3059P-1-102	652-3059Y-1-102
2K	652-3059P-1-202	652-3059Y-1-202
5K	652-3059P-1-502	652-3059Y-1-502
10K	652-3059P-1-103	652-3059Y-1-103
20K	652-3059P-1-203	652-3059Y-1-203
50K	652-3059P-1-503	652-3059Y-1-503
100K	652-3059P-1-104	652-3059Y-1-104
200K	652-3059P-1-204	652-3059Y-1-204
500K	652-3059P-1-504	652-3059Y-1-504
1M	652-3059P-1-105	652-3059Y-1-105

BOURNS Multi-Turn Cermet Trimmer Potentiometers

BOURNS
Reliable Electronic Solutions

3266 SERIES 1/4" SQUARE/ 12 TURN/ SEALED

DIMENSIONS (mm)



LEAD-FREE

Specifications:
Resistance tolerance: ±10% std.
Power rating: 70°C - 0.25W; 150°C - 0W
Temperature range: -65°C to +150°C
Temperature coefficient: ±100ppm/°C

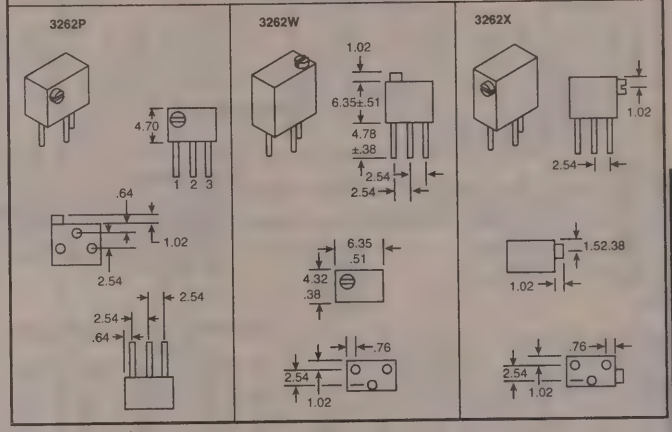
For quantities of 2,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3266P,3266W, 3266X	2.92	2.48	2.37	2.24	2.14	2.02

Value (Ω)	3266P Series	3266W Series	3266X Series
	MOUSER STOCK NO.		
50	652-3266P-1-500LF	652-3266W-1-500LF	652-3266X-1-500LF
100	652-3266P-1-101LF	652-3266W-1-101LF	652-3266X-1-101LF
200	652-3266P-1-201LF	652-3266W-1-201LF	652-3266X-1-201LF
500	652-3266P-1-501LF	652-3266W-1-501LF	652-3266X-1-501LF
1K	652-3266P-1-102LF	652-3266W-1-102LF	652-3266X-1-102LF
2K	652-3266P-1-202LF	652-3266W-1-202LF	652-3266X-1-202LF
5K	652-3266P-1-502LF	652-3266W-1-502LF	652-3266X-1-502LF
10K	652-3266P-1-103LF	652-3266W-1-103LF	652-3266X-1-103LF
20K	652-3266P-1-203LF	652-3266W-1-203LF	652-3266X-1-203LF
25K	652-3266P-1-253LF	652-3266W-1-253LF	652-3266X-1-253LF
50K	652-3266P-1-503LF	652-3266W-1-503LF	652-3266X-1-503LF
100K	652-3266P-1-104LF	652-3266W-1-104LF	652-3266X-1-104LF
200K	652-3266P-1-204LF	652-3266W-1-204LF	652-3266X-1-204LF
500K	652-3266P-1-504LF	652-3266W-1-504LF	652-3266X-1-504LF
1M	652-3266P-1-105LF	652-3266W-1-105LF	652-3266X-1-105LF

3262 SERIES 1/4" SQUARE/ 12 TURN/ SEALED

DIMENSIONS (mm)



Specifications:
- Resistance tolerance: ±10% std.
- Power rating: 85°C - 0.25W; 150°C - 0W
- Temperature range: -65°C to +150°C
- Temperature coefficient: ±100ppm/°C

LEAD-FREE

Features:
- Listed on the QPL for style RJ26 per MIL-R-22097 and RJR26 per High-Rel MIL-R-39035
- Patent #4427966 drive mechanism

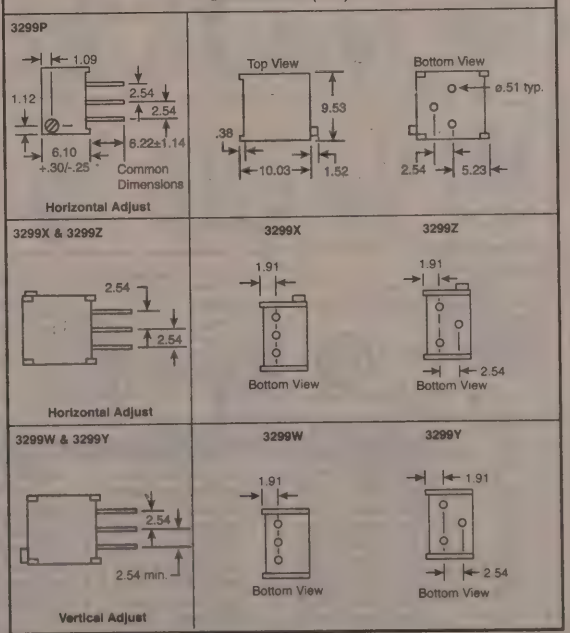
For quantities of 500 or more, call for quote.

Series No.	Price Each			
	1	10	50	100
3262P, 3262W, 3262X	14.25	12.50	11.16	9.02

Value (Ω)	3262P Series	3262W Series	3262X Series
	MOUSER STOCK NO.		
100	652-3262P-1-101LF	652-3262W-1-101LF	652-3262X-1-101LF
200	652-3262P-1-201LF	652-3262W-1-201LF	652-3262X-1-201LF
500	652-3262P-1-501LF	652-3262W-1-501LF	652-3262X-1-501LF
1K	652-3262P-1-102LF	652-3262W-1-102LF	652-3262X-1-102LF
2K	652-3262P-1-202LF	652-3262W-1-202LF	652-3262X-1-202LF
5K	652-3262P-1-502LF	652-3262W-1-502LF	652-3262X-1-502LF
10K	652-3262P-1-103LF	652-3262W-1-103LF	652-3262X-1-103LF
20K	652-3262P-1-203LF	652-3262W-1-203LF	652-3262X-1-203LF
25K	652-3262P-1-253LF	652-3262W-1-253LF	652-3262X-1-253LF
50K	652-3262P-1-503LF	652-3262W-1-503LF	652-3262X-1-503LF
100K	652-3262P-1-104LF	652-3262W-1-104LF	652-3262X-1-104LF
200K	652-3262P-1-204LF	652-3262W-1-204LF	652-3262X-1-204LF
250K	652-3262P-1-254LF	652-3262W-1-254LF	652-3262X-1-254LF
500K	652-3262P-1-504LF	652-3262W-1-504LF	652-3262X-1-504LF

3299 SERIES 3/8" SQUARE/ 25 TURN/ SEALED

DIMENSIONS (mm)



LEAD-FREE

Specifications:
Resistance tolerance: ±10% std.
Power rating: 70°C - 0.5W; 125°C - 0W
Temperature range: -55°C to +125°C
Temperature coefficient: ±100ppm/°C

For quantities of 1,000 or more, call for quote.

Series No.	Price Each				
	1	10	50	100	500
3299P, 3299Z	2.85	2.56	2.28	1.90	1.81
3299W, X, Y	2.65	2.39	2.12	1.85	1.70

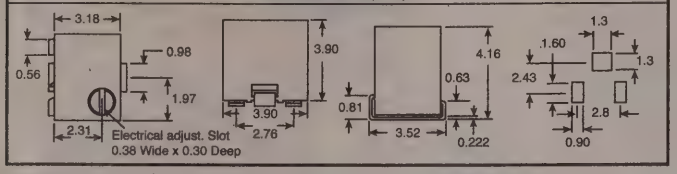
Value (Ω)	3299P Series	3299W Series	3299X Series	3299Y Series	3299Z Series
	MOUSER STOCK NO.				
10	652-3299P-1-100LF	652-3299W-1-100LF	652-3299X-1-100LF	652-3299Y-1-100LF	652-3299Z-1-100LF
20	652-3299P-1-200LF	652-3299W-1-200LF	652-3299X-1-200LF	652-3299Y-1-200LF	652-3299Z-1-200LF
50	652-3299P-1-500LF	652-3299W-1-500LF	652-3299X-1-500LF	652-3299Y-1-500LF	652-3299Z-1-500LF
100	652-3299P-1-101LF	652-3299W-1-101LF	652-3299X-1-101LF	652-3299Y-1-101LF	652-3299Z-1-101LF
200	652-3299P-1-201LF	652-3299W-1-201LF	652-3299X-1-201LF	652-3299Y-1-201LF	652-3299Z-1-201LF
500	652-3299P-1-501LF	652-3299W-1-501LF	652-3299X-1-501LF	652-3299Y-1-501LF	652-3299Z-1-501LF
1K	652-3299P-1-102LF	652-3299W-1-102LF	652-3299X-1-102LF	652-3299Y-1-102LF	652-3299Z-1-102LF
2K	652-3299P-1-202LF	652-3299W-1-202LF	652-3299X-1-202LF	652-3299Y-1-202LF	652-3299Z-1-202LF
5K	652-3299P-1-502LF	652-3299W-1-502LF	652-3299X-1-502LF	652-3299Y-1-502LF	652-3299Z-1-502LF
10K	652-3299P-1-103LF	652-3299W-1-103LF	652-3299X-1-103LF	652-3299Y-1-103LF	652-3299Z-1-103LF
20K	652-3299P-1-203LF	652-3299W-1-203LF	652-3299X-1-203LF	652-3299Y-1-203LF	652-3299Z-1-203LF
25K	652-3299P-1-253LF	652-3299W-1-253LF	652-3299X-1-253LF	652-3299Y-1-253LF	652-3299Z-1-253LF
50K	652-3299P-1-503LF	652-3299W-1-503LF	652-3299X-1-503LF	652-3299Y-1-503LF	652-3299Z-1-503LF
100K	652-3299P-1-104LF	652-3299W-1-104LF	652-3299X-1-104LF	652-3299Y-1-104LF	652-3299Z-1-104LF
200K	652-3299P-1-204LF	652-3299W-1-204LF	652-3299X-1-204LF	652-3299Y-1-204LF	652-3299Z-1-204LF
250K	652-3299P-1-254LF	652-3299W-1-254LF	652-3299X-1-254LF	652-3299Y-1-254LF	652-3299Z-1-254LF
500K	652-3299P-1-504LF	652-3299W-1-504LF	652-3299X-1-504LF	652-3299Y-1-504LF	652-3299Z-1-504LF
1M	652-3299P-1-105LF	652-3299W-1-105LF	652-3299X-1-105LF	652-3299Y-1-105LF	652-3299Z-1-105LF
2M	652-3299P-1-205LF	652-3299W-1-205LF	652-3299X-1-205LF	652-3299Y-1-205LF	652-3299Z-1-205LF

BOURNS Multi-Turn Cermet Trimmer Potentiometers

BOURNS® Reliable Electronic Solut

3223 SERIES 3MM SMD TRIMMING POTENTIOMETER

DIMENSIONS (mm)



Features:

- Surface Mount 3 mm Square / Multiturn / Cermet / Industrial / Sealed
- Sealed to withstand board wash processing
- Pick and place centering design for automated placement compatibility
- Flush adjustment screw
- Meets EIA/ EIAJ/IPC/VECI SMD standard trimmer footprint
- Top Adjust

Specifications:

- Resistance tolerance: ±20% std.
- Power rating: 85°C - 0.25W; 150°C - 0W
- Temperature range: -65°C to +150°C
- Temperature coefficient: ±100ppm/°C
- Humidity: MIL-STD-202 Method 106, TRS ±3%; IR 10 MΩ

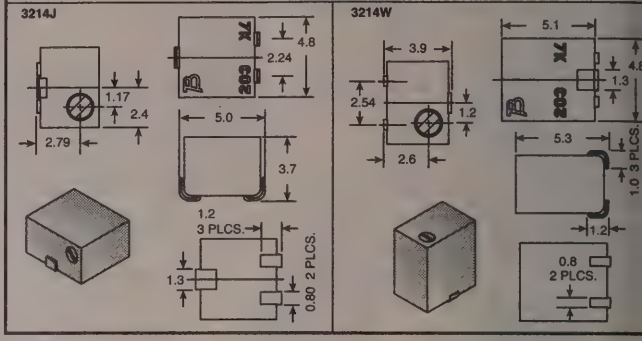
LEAD-FREE

For quantities of 2,500 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each 1	25	50	100	500	1000
652-3223W-1-100E	3223W-1-100E	10	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-200E	3223W-1-200E	20	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-500E	3223W-1-500E	50	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-101E	3223W-1-101E	100	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-201E	3223W-1-201E	200	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-501E	3223W-1-501E	500	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-102E	3223W-1-102E	1K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-202E	3223W-1-202E	2K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-502E	3223W-1-502E	5K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-103E	3223W-1-103E	10K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-203E	3223W-1-203E	20K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-503E	3223W-1-503E	50K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-104E	3223W-1-104E	100K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-204E	3223W-1-204E	200K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-504E	3223W-1-504E	500K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-105E	3223W-1-105E	1M	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-205E	3223W-1-205E	2M	3.85	3.30	3.05	2.85	1.79	1.63
Adjustment Tool								
652-H-92-1	H-92-1	—	1.70	1.40	1.29	1.13	.93	.88

3214 SERIES 4MM SQUARE SMD/5 TURN/SEALED

DIMENSIONS (mm)



Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 85°C - 0.25W; 150°C - 0W
- Temperature range: -65°C to +150°C
- Temperature coefficient: ±100ppm/°C

LEAD-FREE

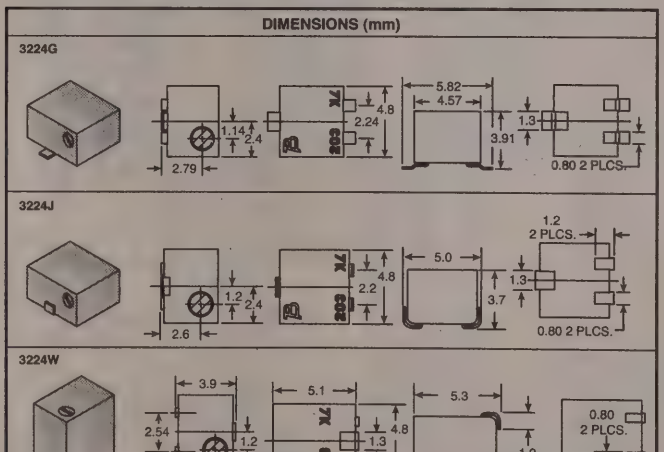
For quantities of 1000 and up, call for quot

Series No.	Price Each 1	100	250	500
3214J, 3214W	3.22	2.39	1.95	1.50
Adjustment Tool				
652-H-91	1.80	1.12	1.07	1.04

Value (Ω)	3214J Series MOUSER STOCK NO.	3214W Series MOUSER STOCK NO.
100	652-3214J-1-101E	652-3214W-1-101E
200	652-3214J-1-201E	652-3214W-1-201E
500	652-3214J-1-501E	652-3214W-1-501E
1K	652-3214J-1-102E	652-3214W-1-102E
2K	652-3214J-1-202E	652-3214W-1-202E
5K	652-3214J-1-502E	652-3214W-1-502E
10K	652-3214J-1-103E	652-3214W-1-103E
20K	652-3214J-1-203E	652-3214W-1-203E
50K	652-3214J-1-503E	652-3214W-1-503E
100K	652-3214J-1-104E	652-3214W-1-104E

3224 SERIES 4MM SQUARE/SMD/11 TURN/SEALED

DIMENSIONS (mm)



Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 85°C - 0.25W; 150°C - 0W
- Temperature range: -65°C to +150°C
- Temperature coefficient: ±100ppm/°C

LEAD-FREE

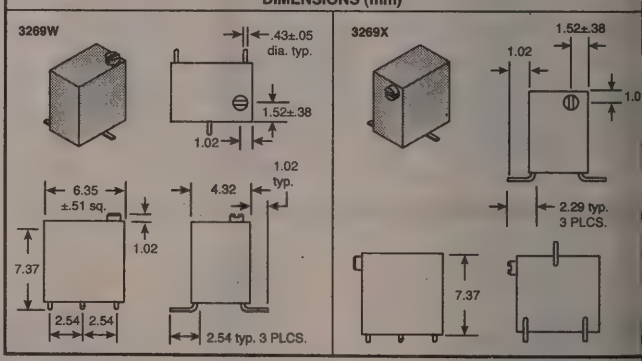
For quantities of 1000 and up, call for quote.

Series No.	Price Each 1	100	250	500
3224G, J, W	5.19	3.88	2.65	2.43
Adjustment Tool				
652-H-91	1.80	1.12	1.07	1.04

Value (Ω)	3224G Series MOUSER STOCK NO.	3224J Series MOUSER STOCK NO.	3224W Series MOUSER STOCK NO.
100	652-3224G-1-101E	652-3224J-1-101E	652-3224W-1-101E
500	652-3224G-1-501E	652-3224J-1-501E	652-3224W-1-501E
1K	652-3224G-1-102E	652-3224J-1-102E	652-3224W-1-102E
2K	652-3224G-1-202E	652-3224J-1-202E	652-3224W-1-202E
5K	652-3224G-1-502E	652-3224J-1-502E	652-3224W-1-502E
10K	652-3224G-1-103E	652-3224J-1-103E	652-3224W-1-103E
20K	652-3224G-1-203E	652-3224J-1-203E	652-3224W-1-203E
50K	652-3224G-1-503E	652-3224J-1-503E	652-3224W-1-503E
100K	652-3224G-1-104E	652-3224J-1-104E	652-3224W-1-104E

3269 SERIES 1/4" SQUARE/SMD/12 TURN/SEALED

DIMENSIONS (mm)



Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 85°C - 0.25W; 150°C - 0W
- Temperature range: -65°C to +150°C
- Temperature coefficient: ±100ppm/°C

LEAD-FREE

For quantities of 500 and up, call for quo

Series No.	Price Each 1	10	50	100
3269W, 3269X	3.60	3.28	2.90	2.77
Adjustment Tool				
652-H-90	1.73	1.54	1.31	1.15

Value (Ω)	3269W Series MOUSER STOCK NO.	3269X Series MOUSER STOCK NO.
50	652-3269W-1-500LF	652-3269X-1-500LF
100	652-3269W-1-101LF	652-3269X-1-101LF
200	652-3269W-1-201LF	652-3269X-1-201LF
500	652-3269W-1-501LF	652-3269X-1-501LF
1K	652-3269W-1-102LF	652-3269X-1-102LF
2K	652-3269W-1-202LF	652-3269X-1-202LF
5K	652-3269W-1-502LF	652-3269X-1-502LF
10K	652-3269W-1-103LF	652-3269X-1-103LF
20K	652-3269W-1-203LF	652-3269X-1-203LF
50K	652-3269W-1-503LF	652-3269X-1-503LF
100K	652-3269W-1-104LF	652-3269X-1-104LF
200K	652-3269W-1-204LF	652-3269X-1-204LF
500K	652-3269W-1-504LF	652-3269X-1-504LF
1M	652-3269W-1-105LF	652-3269X-1-105LF

MOUSER ELECTRONICS a tti company (800) 346-6873

T63 SERIES: 1/4" 15-TURN, SQUARE, CERMET TRIMMERS

Specifications:
Tolerance: ±10%
Oper. temp. range: -55°C to +155°C
Rated voltage: 250VD
Rotation: 15 turns ±5

- Power rating: .25W @ 85°C
- Temperature coefficient: ±70ppm/°C
- Screwdriver slot: .02" x .02"

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each 1	25	50	100	200
72-T63YB-Value	A	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M	2.49	2.27	2.13	1.99	1.68
72-T63XB-Value	B		2.49	2.27	2.13	1.99	1.68
72-T63ZB-Value	C		2.49	2.27	2.13	1.99	1.68

TS63 SERIES: 1/4" 13-TURN SMD, SQUARE, CERMET TRIMMERS

Specifications:
Tolerance: ±10%
Oper. temp. range: -55°C to +155°C
Rated voltage: 250VD
Rotation: 13 turns ±2

- Power rating: .25W @ 85°C
- Temperature coefficient: ±100ppm/°C, 10Ω-50Ω 0/+200ppm
- Screwdriver slot: .02" x .02"

Surface Mount Device

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each 1	25	50	100	200
72-TS63Y-Value	D	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M	2.89	2.35	1.88	1.72	1.51

T18 SERIES: 3/4" 15-TURN, RECTANGULAR, HORIZONTAL ADJUST, CERMET TRIMMERS

Specifications:
Tolerance: ±10%
Oper. temp. range: -55°C to +155°C
Rated voltage: 250VDC
Rotation: 15 turns ±1

- Power rating: .75W @ 70°C
- Temperature coefficient: ±70ppm/°C
- Screwdriver slot: .024" x .024"

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each 1	25	50	100	200
72-T18-Value	E	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 500K, 1M, 2M	1.24	1.19	1.15	1.05	.884

T93 SERIES: 3/8" 19-TURN, SQUARE, CERMET TRIMMERS

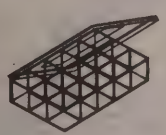
Specifications:
Tolerance: ±10%
Rated voltage: 250VDC
Operating temperature range: -55°C to +155°C
Rotation: 19 turns ±2

- Power rating: .50W @ 85°C
- Temperature coefficient: ±70ppm/°C
- Screwdriver slot: .024" x .024"

For quantities 500 and up, call for quote.

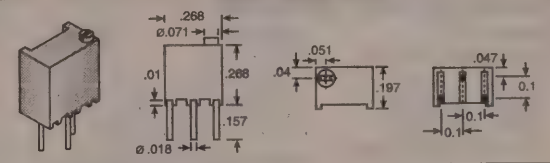
MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each 1	25	50	100	200
72-T93XA-Value	F	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M	1.20	1.15	1.10	1.05	.901
72-T93XB-Value	G		1.20	1.15	1.10	1.05	.901
72-T93YA-Value	H		1.20	1.15	1.10	1.05	.901
72-T93YB-Value	I		1.20	1.15	1.10	1.05	.901
72-T93Z-Value	J		2.34	2.24	2.15	2.05	1.72

T93 SERIES: 3/8" 19-TURN, SQUARE TRIMMER KITS



MOUSER STOCK NO.	Kit Contains 90 Pieces	Price Each
370-T93XA-KIT	10 each: 1K, 5K, 10K 5 each: 10, 50, 100, 500, 2K, 20K, 50K, 100K, 200K, 500K, 1M, 2M	99.95
370-T93XB-KIT		99.95
370-T93YA-KIT		99.95
370-T93YB-KIT		99.95
370-T93Z-KIT		99.95

DIMENSIONS (IN)

A


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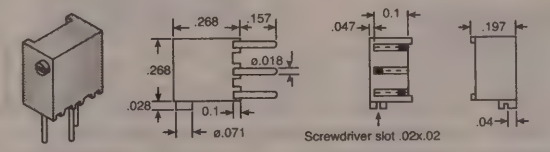

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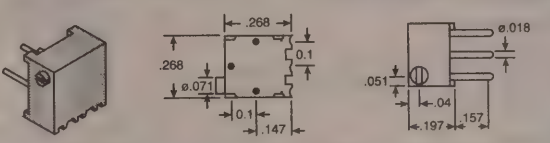

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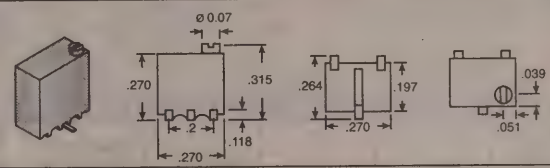

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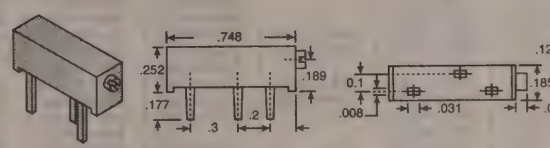

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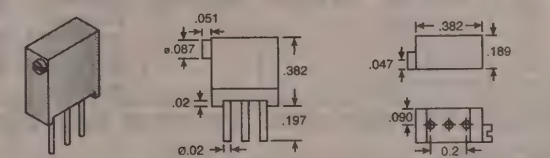

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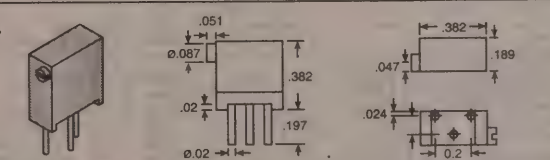

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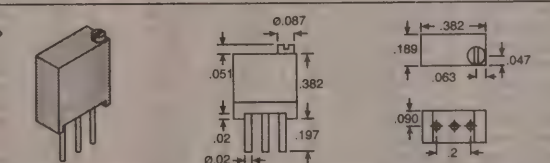

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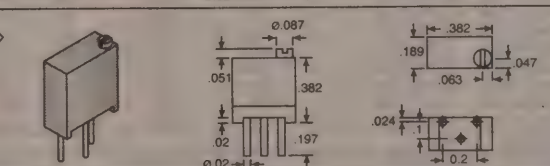

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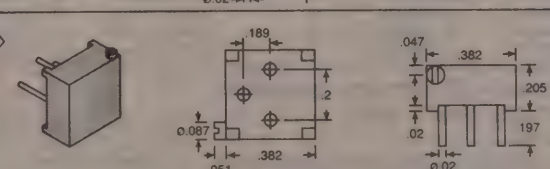


VISHAY Multi-Turn Trimmers

VISHAY / SFERNICE 4MM MULTI-TURN SMD, SQUARE, CERMET TRIMMERS

Features:
- Sealed to withstand board wash processing
- Pick and place centering design
- 4mm design meets EIA SMD standard trimmer footprint
- Top and side adjust styles
- Temperature coefficient: ±100ppm/°C

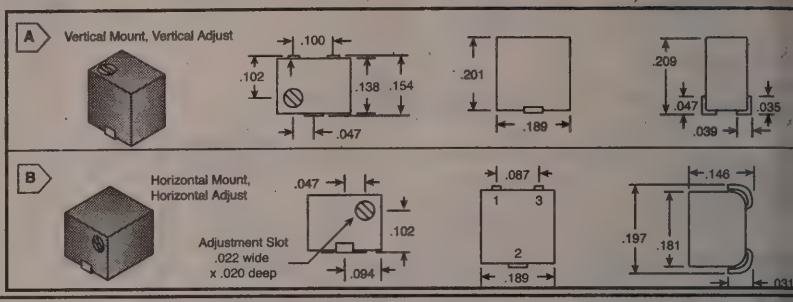
Specifications:
- Tolerance: ±10%
- Oper. temp. range: -65°C to +150°C
- Rotation cycling: 200 cycles
- Power rating: .25W @ +85°C
- Temperature coefficient: ±100ppm/°C

Table of Values (Ω)				
100	500	2K	10K	50K
200	1K	5K	20K	100K

MOUSER STOCK NO.	Fig.
72-TSM43YJ-Value	A
72-TSM43ZJ-Value	B

Price Each				
1	25	50	100	250
3.20	2.75	2.46	2.34	Call

DIMENSIONS (I



VISHAY / SPECTROL MODEL 64 3/8" 25-TURN CERMET TRIMMERS

Specifications:
- Tolerance: ±10%
- Coefficient of resistance: ±100ppm/°C
- Rating: 0.5 W @ 70°C, derated linearly to 0W @ 125°C
- Contact resistance variation: 2% or 2Ω, whichever is greater
- 25 turns nominal

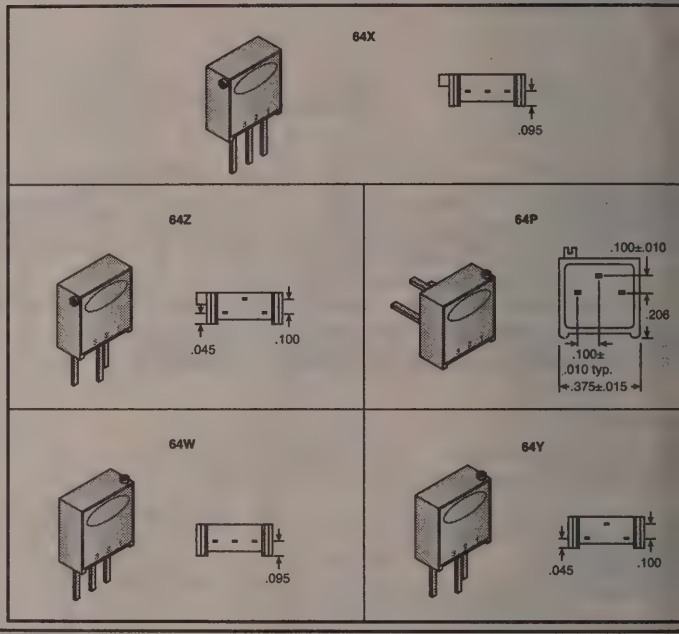
Features:
- Sealed for cleaning in common solvents
- Easy adjustment and stability

Cross-Reference Chart	
Spectrol	BI Technologies
64X	67X
64Z	67Z
64P	67P
64W	67W
64Y	67Y

Price Each					
1	25	50	100	200	500+
2.00	1.95	1.88	1.54	1.35	Call

Value (Ω)	64X Series	64Z Series	64P Series	64W Series	64Y Series
	MOUSER STOCK NO.				
10	---	---	---	---	594-64Y100
20	---	---	---	594-64W200	594-64Y200
50	---	---	594-64P500	594-64W500	594-64Y500
100	594-64X101	---	594-64P101	594-64W101	594-64Y101
200	594-64X201	---	594-64P201	594-64W201	594-64Y201
500	594-64X501	594-64Z501	594-64P501	594-64W501	594-64Y501
1K	594-64X102	594-64Z102	594-64P102	594-64W102	594-64Y102
2K	---	---	594-64P202	594-64W202	---
5K	594-64X502	594-64Z502	594-64P502	594-64W502	594-64Y502
10K	594-64X103	594-64Z103	594-64P103	594-64W103	594-64Y103
20K	594-64X203	---	594-64P203	594-64W203	594-64Y203
25K	594-64X253	---	---	594-64W253	594-64Y253
50K	594-64X503	---	594-64P503	594-64W503	594-64Y503
100K	594-64X104	594-64Z104	594-64P104	594-64W104	594-64Y104
200K	594-64X204	---	---	594-64W204	---
250K	594-64X254	---	---	594-64W254	594-64Y254
500K	594-64X504	---	---	594-64W504	594-64Y504
1M	594-64X105	---	---	594-64W105	594-64Y105
2M	594-64X205	---	---	594-64W205	---

DIMENSIONS (I



VISHAY / SPECTROL MODEL 43P 3/4" 20 TURN CERMET TRIMMERS

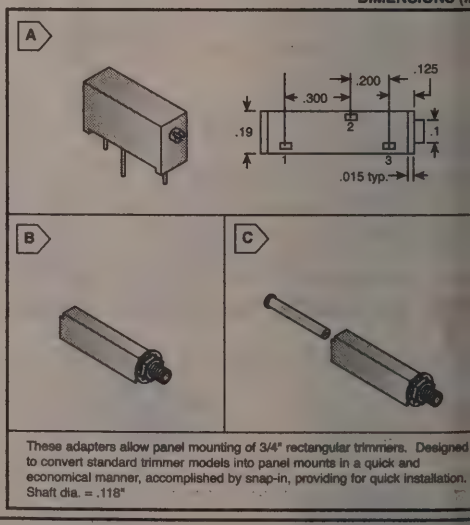
Specifications:
- Coefficient of resistance: ±100ppm/°C
- Rating: 0.5W @ 70°C, derated linearly to 0W @ 125°C
- Maximum voltage: ≤ 400V
- Temperature range: -55°C to + 125°C
- Contact resistance variation: 3% or 3Ω, whichever is greater

Features:
- Unique "T" slider block design
- Easy adjustment and stability

Cross-Reference Chart		
Spectrol	BI Technologies	Allen Bradley
43P	89P	RT5L

MOUSER STOCK NO.	Vishay Part No.	Fig.	Value Ω	Insulation Resistance (MΩ)	Tol. %	Price Each 1	25	50	100	200	500+
594-43P100	043P100	A	10	1000	±10	1.38	1.28	1.20	1.07	.99	CALL FOR QUOTE
594-43P200	043P200	A	20	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P500	043P500	A	50	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P101	043P101	A	100	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P201	043P201	A	200	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P501	043P501	A	500	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P102	043P102	A	1K	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P202	043P202	A	2K	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P252	043P252	A	2.5K	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P502	043P502	A	5K	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P103	043P103	A	10K	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P203	043P203	A	20K	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P253	043P253	A	25K	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P503	043P503	A	50K	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P104	043P104	A	100K	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P204	043P204	A	200K	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P504	043P504	A	500K	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P105	043P105	A	1M	1000	±10	1.38	1.28	1.20	1.07	.99	
594-43P205	043P205	A	2M	1000	±10	1.38	1.28	1.20	1.07	.99	
Adapters											
594-610	006-1-0	B		Without shaft		1.78	1.63	1.51	1.40	1.37	Call for Quote
594-611	006-1-1	C		With flush shaft		2.64	2.42	2.23	2.07	2.01	
594-612	006-1-2	C		With .57" shaft		2.64	2.42	2.23	2.07	2.01	
594-613	006-1-3	C		With .875" shaft		2.64	2.42	2.23	2.07	2.01	

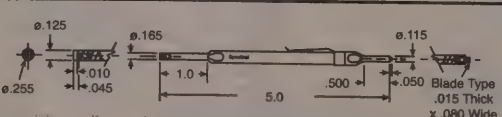
DIMENSIONS (I



These adapters allow panel mounting of 3/4" rectangular trimmers. Designed to convert standard trimmer models into panel mounts in a quick and economical manner, accomplished by snap-in, providing for quick installation. Shaft dia. = .118"

VISHAY / SPECTROL TRIMMER ADJUSTMENT TOOL

Features:
- Extended as well as recessed blade for critical adjustments
- Designed to adjust trimmer potentiometers of all sizes
- Made of glass filled nylon with corrosion resistant stainless steel blades



DIMENSIONS (I

For quantities of 200 and up, call for quo

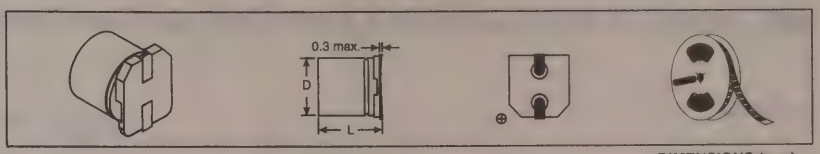
MOUSER STOCK NO.	Price Each 1	25	50	100
594-8T000	1.50	1.25	1.15	.99

CORNELL DUBILIER Aluminum Electrolytic Capacitors

CDE CORNELL DUBILIER

Cross Reference			
CDE	NIC	Tecate	Panasonic
AFK	NACK	MXZZ	EEV-FK
AVS	NACE	MXM	ECE-V

lication Note:
igher voltage capacitor may be used in a lower voltage application.



DIMENSIONS (mm)

'S SERIES 85°C ALUMINUM ELECTROLYTICS

tures:
et value for filter and bypass applications not requiring wide temperature or high ripple current
'S series offers significant cost savings over tantalum capacitors
rtical case style make automatic mounting and reflow soldering easy

Specifications:
- Capacitance tolerance: ± 20%
- Temperature range: -40°C to +85°C
- Load life: 2000 hours @ 85°C
- Capacitance range: 0.1μF to 1000μF
- Voltage range: 10VDC to 100VDC

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case Size D x L (mm)	ESR (Ω) (max) 20°C/120Hz	Ripple (mA rms) 85°C/120Hz	Price Each 1	50	100	500	Tape and Reel Qty.	Price Ea.
Volt											
85-AVS10V1000	AVS108M10G24T	1,000	10 x 10.2	0.43	580	.68	.56	.48	.41	500	.41
Volt											
85-AVS16V10A	AVS106M16A12T	10	3 x 5.4	29.9	20	.24	.20	.17	.14	2000	.09
85-AVS16V10	AVS106M16B12T	10	4 x 5.4	26.5	28	.20	.17	.15	.12	2000	.08
85-AVS16V22	AVS226M16B12T	22	4 x 5.4	19.6	28	.22	.18	.16	.13	2000	.09
85-AVS16V33	AVS336M16C12T	33	5 x 5.4	13.1	35	.25	.21	.18	.15	1000	.13
85-AVS16V47	AVS476M16C12T	47	5 x 5.4	9.2	39	.25	.21	.18	.15	1000	.13
85-AVS16V100	AVS107M16D16T	100	6.3 x 5.4	4.3	70	.34	.28	.24	.21	1000	.17
85-AVS16V220	AVS227M16F24T	220	8 x 10.2	1.5	280	.56	.46	.40	.34	500	.34
85-AVS16V330	AVS337M16F24T	330	8 x 10.2	1	320	.56	.46	.40	.34	500	.34
85-AVS16V470	AVS477M16G24T	470	10 x 10.2	0.71	420	.68	.56	.48	.41	500	.41
Volt											
85-AVS25V10	AVS106M25C12T	10	5 x 5.4	23.2	28	.24	.20	.17	.14	1000	.12
85-AVS25V100	AVS107M25E16T	100	8 x 6.2	2.7	91	.43	.36	.31	.26	1000	.22
85-AVS25V220	AVS227M25F24T	220	8 x 10.2	1.2	140	.68	.56	.48	.41	500	.41
85-AVS25V470	AVS477M25G24T	470	10 x 10.2	0.6	360	.75	.62	.53	.45	500	.45
Volt											
85-AVS35V4.7	AVS475M35B12T	4.7	4 x 5.4	42.4	22	.22	.18	.16	.13	2000	.09
85-AVS35V10	AVS106M35C12T	10	5 x 5.4	19.9	30	.26	.21	.19	.16	1000	.13
85-AVS35V22	AVS226M35D16T	22	6.3 x 5.4	9.1	60	.35	.29	.25	.21	1000	.17
Volt											
85-AVS50V0.1	AVS104M50B12T	0.1	4 x 5.4	1990	1	.20	.17	.15	.12	2000	.08
85-AVS50V1.0	AVS105M50B12T	1.0	4 x 5.4	199	10	.20	.17	.15	.12	2000	.08
85-AVS50V2.2	AVS225M50B12T	2.2	4 x 5.4	90.5	16	.20	.17	.15	.12	2000	.08
85-AVS50V3.3	AVS335M50B12T	3.3	4 x 5.4	60.3	16	.20	.17	.15	.12	2000	.08
85-AVS50V22	AVS226M50D16T	22	6.3 x 5.4	10.6	60	.35	.29	.25	.21	1000	.17

FK SERIES 105°C ALUMINUM ELECTROLYTIC, LOW ESR, SMD

tures:
to a 5000 hour load life capability
fers lowest ESR and long life for filtering, passing, and power supply decoupling
- With the low impedance performance approaching low ESR tantalum capacitors offers a signifigant cost savings compared to tantalum capacitors
- Vertical case style make automatic mounting and reflow soldering easy

Specifications:
- Capacitance tolerance: ± 20%
- Temperature range: -55°C to +105°C
- Capacitance range: 3.3uF to 6800uF
- Voltage range: 6.3VDC to 100VDC
- Load life: 2000 hours @ +105°C (4.0-10mm dia)
  5000 hours @ +105°C (12.5-18mm dia)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case Size D x L (mm)	ESR (Ω) (max) 20°C/100kHz	Ripple (mA rms) 105°C/100kHz	Price Each 1	10	25	100	Tape and Reel Qty.	Price Ea.
Volt											
85-AFK6.3V47	AFK476M06B12T	47	4 x 5.8	1.35	90	.36	.29	.27	.25	2000	.13
85-AFK6.3V100	AFK107M06D16T	100	6.3 x 5.8	0.36	240	.48	.38	.36	.33	1000	.17
85-AFK6.3V330	AFK337M06E16T	330	8 x 6.2	0.26	300	.79	.63	.59	.55	1000	.28
Volt											
85-AFK10V33	AFK336M10B12T	33	4 x 5.8	1.35	90	.36	.29	.27	.25	2000	.13
85-AFK10V220	AFK227M10E16T	220	8 x 6.2	0.26	300	.79	.63	.59	.55	1000	.28
85-AFK10V330	AFK337M10F24T	330	8 x 10.2	0.16	600	1.02	.81	.76	.71	500	.39
85-AFK10V1000	AFK108M10G24T	1000	10 x 10.2	0.08	850	1.19	.95	.89	.83	500	.45
Volt											
85-AFK16V22	AFK226M16B12T	22	4 x 5.8	1.35	90	.36	.29	.27	.25	2000	.13
85-AFK16V47	AFK476M16D16T	47	6.3 x 5.8	0.36	240	.48	.38	.36	.33	1000	.17
85-AFK16V100	AFK107M16D16T	100	6.3 x 5.8	0.36	240	.48	.38	.36	.33	1000	.17
85-AFK16V470	AFK477M16F24T	470	8 x 10.2	0.16	600	1.02	.81	.76	.71	500	.39
85-AFK16V680	AFK687M16G24T	680	10 x 10.2	0.08	850	1.19	.95	.89	.83	500	.45
Volt											
85-AFK25V10	AFK106M25B12T	10	4 x 5.8	1.35	90	.36	.29	.27	.25	2000	.13
85-AFK25V33	AFK336M25C12T	33	5 x 5.8	0.7	160	.42	.33	.31	.29	1000	.15
85-AFK25V100	AFK107M25E16T	100	8 x 6.2	0.26	300	.79	.63	.59	.55	1000	.28
85-AFK25V220	AFK227M25F24T	220	8 x 10.2	0.16	600	1.02	.81	.76	.71	500	.39
85-AFK25V470	AFK477M25G24T	470	10 x 10.2	0.08	850	1.19	.95	.89	.83	500	.45
85-AFK25V1000	AFK108M25H32T	1000	12.5 x 13.5	0.06	1100	1.95	1.56	1.46	1.36	200	.66
Volt											
85-AFK35V10	AFK106M35B12T	10	4 x 5.8	1.35	90	.36	.29	.27	.25	2000	.13
85-AFK35V47	AFK476M35D16T	47	6.3 x 5.8	0.36	240	.48	.38	.36	.33	1000	.17
85-AFK35V220	AFK227M35F24T	220	8 x 10.2	0.16	600	1.02	.81	.76	.71	500	.39
85-AFK35V470	AFK477M35H32T	470	12.5 x 13.5	0.06	1100	1.95	1.56	1.46	1.36	200	.66
Volt											
85-AFK50V4.7	AFK475M50B12T	4.7	4 x 5.8	2.9	60	.38	.30	.28	.26	2000	.14
85-AFK50V10	AFK106M50C12T	10	5 x 5.8	1.52	85	.44	.35	.33	.31	1000	.16
85-AFK50V47	AFK476M50E16T	47	8 x 6.2	0.68	195	.83	.66	.62	.58	1000	.30
85-AFK50V100	AFK107M50F24T	100	8 x 10.2	0.34	350	1.07	.85	.80	.75	500	.40
85-AFK50V220	AFK227M50G24T	220	10 x 10.2	0.18	670	1.25	1.00	.93	.87	500	.47
85-AFK50V1000	AFK108M50P44T	1000	16 x 16.5	0.073	1610	3.23	2.58	2.42	-	125	1.10
Volt											
85-AFK63V100	AFK107M63G24T	100	10 x 10.2	0.35	400	1.25	1.00	.93	.87	500	.47
85-AFK63V220	AFK227M63H32T	220	12.5 x 13.5	0.16	800	2.04	1.63	1.53	1.43	200	.69
0 Volt											
85-AFK100V22	AFK226M2AF24T	22	8 x 10.2	1.3	130	1.07	.85	.80	.75	500	.40
85-AFK100V68	AFK686M2AH32T	68	12.5 x 13.5	0.32	500	2.04	1.63	1.53	1.43	200	.69

Aluminum Electrolytic Capacitors

CDE CORNELL DUBILIER ALUMINUM ELECTROLYTIC, 105°, HIGH VOLTAGE, LOW IMPEDANCE

AEB Series

Cross Reference			
CDE	NIC	Tecate	Panasonic
AEB	NACVF	MXLH	EEV-EB
AFK	NACK	MXZZ	EEV-FK
AVS	NACE	MXM	ECE-V

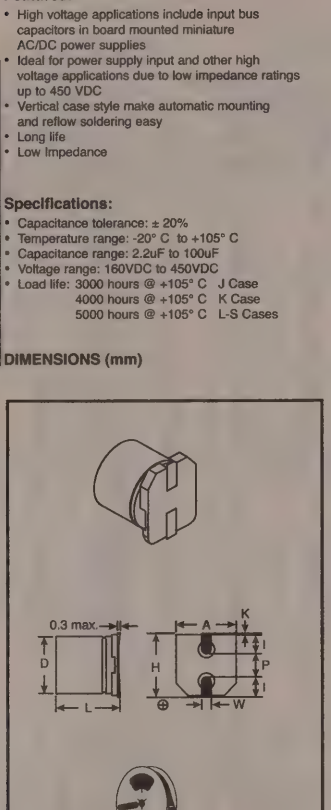
Features:

- High voltage applications include input bus capacitors in board mounted miniature AC/DC power supplies
- Ideal for power supply input and other high voltage applications due to low impedance ratings up to 450 VDC
- Vertical case style make automatic mounting and reflow soldering easy
- Long life
- Low Impedance

Specifications:

- Capacitance tolerance: ± 20%
- Temperature range: -20° C to +105° C
- Capacitance range: 2.2uF to 100uF
- Voltage range: 160VDC to 450VDC
- Load life: 3000 hours @ +105° C J Case
  4000 hours @ +105° C K Case
  5000 hours @ +105° C L-S Cases

DIMENSIONS (mm)



Case Code	Qty. Per Reel	D±0.5	L±0.5	A±0.5	H (max.)	I (ref.)	W	P (ref.)	K
J	250	10	13.5	10.3	12	3.5	0.9±0.2	4.6	0.7±0
K	200	10	17.5	10.3	12	3.5	0.9±0.2	4.6	0.7±0
L	150	12.5	16.5	13.5	15	4.7	0.9±0.3	4.4	0.7±0
P	125	16	16.5	17	19	6.7	1.2±0.3	6.7	0.7±0
R	125	18	16.5	19	21	6.7	1.2±0.3	6.7	0.7±0
S	75	18	21.5	19	21	6.7	1.2±0.3	6.7	0.7±0
U	75	16	21.5	17	19	6.7	1.2±0.3	6.7	0.7±0

For quantities of 125 and up, call for qu

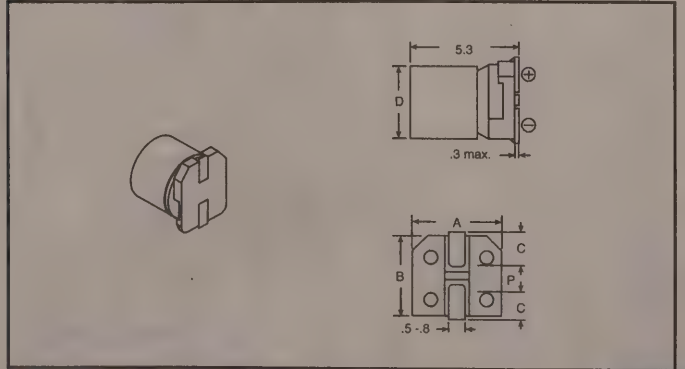
MOUSER STOCK NO.	CDE Part Number	Value (µF)	Case Code	Imp. (Ω) (max) 20°C/100kHz	Ripple (mA rms) 105°C/100kHz	Price Each 1	10	25	Tape and Ree Qty.	Price E
160 Volt										
5985-AEB160V10	AEB106M2CJ32T	10	J	3.00	70	1.40	1.17	1.09	250	.50
5985-AEB160V33	AEB336M2CL32T	33	L	1.80	470	2.31	1.93	1.80	150	1.54
5985-AEB160V47	AEB476M2CP44T	47	P	1.40	600	2.82	2.35	2.19	125	1.88
5985-AEB160V68A	AEB686M2CR44T	68	R	0.80	750	3.21	2.65	2.46	125	2.27
5985-AEB160V68	AEB686M2CU44T	68	U	0.55	750	3.21	2.65	2.46	75	2.27
5985-AEB160V100	AEB107MC2S44T	100	S	0.50	1060	3.83	3.17	2.94	75	2.71
200 Volt										
5985-AEB200V22	AEB226M2DL32T	22	L	1.80	470	2.31	1.93	1.80	150	1.54
5985-AEB200V33	AEB336M2DP44T	33	P	1.40	600	2.82	2.35	2.19	125	1.88
5985-AEB200V47	AEB476M2DR44T	47	R	0.80	600	3.21	2.65	2.46	125	2.27
5985-AEB200V68	AEB686M2DU44T	68	U	0.55	750	3.21	2.65	2.46	75	2.27
5985-AEB200V100	AEB107M2DS44T	100	S	0.50	1060	3.83	3.17	2.94	75	2.71
250 Volt										
5985-AEB250V10	AEB106M2EK32T	10	K	2.50	88	1.61	1.34	1.25	200	.56
5985-AEB250V22	AEB226M2EP44T	22	P	1.60	560	2.82	2.35	2.19	125	1.88
5985-AEB250V33	AEB336M2ER44T	33	R	0.85	560	3.21	2.65	2.46	125	2.27
5985-AEB250V47	AEB476M2EU44T	47	U	0.70	710	3.21	2.65	2.46	75	2.27
5985-AEB250V68	AEB686M2ES44T	68	S	0.60	990	3.83	3.17	2.94	75	2.71
350 Volt										
5985-AEB350V10	AEB106M2VP44T	10	P	3.20	270	2.82	2.35	2.19	125	1.88
5985-AEB350V22	AEB226M2VR44T	22	R	1.60	350	3.21	2.65	2.46	125	2.27
5985-AEB350V33	AEB336M2VU44T	33	U	1.20	480	3.21	2.65	2.46	75	2.27
5985-AEB350V47	AEB476M2VS44T	47	S	1.00	670	3.83	3.17	2.94	75	2.71
400 Volt										
5985-AEB400V3.3	AEB335M2GJ32T	3.3	J	8.00	40	1.40	1.17	1.09	250	.50
5985-AEB400V4.7	AEB475M2GK32T	4.7	K	5.50	50	1.61	1.34	1.25	200	.56
5985-AEB400V10	AEB106M2GP44T	10	P	3.60	250	2.82	2.35	2.19	125	1.88
5985-AEB400V22	AEB226M2GU44T	22	U	2.20	410	3.21	2.65	2.46	75	2.27
5985-AEB400V33	AEB336M2GS44T	33	S	1.20	600	3.83	3.17	2.94	75	2.71
450 Volt										
5985-AEB450V2.2	AEB225M2WJ32T	2.2	J	11.00	29	1.40	1.17	1.09	250	.50
5985-AEB450V3.3	AEB335M2WK32T	3.3	K	7.00	41	1.61	1.34	1.25	200	.56
5985-AEB450V4.7	AEB475M2WK32T	4.7	L	4.80	49	2.31	1.93	1.80	150	.83
5985-AEB450V10	AEB106M2WR44T	10	R	3.00	310	3.21	2.65	2.46	125	2.27
5985-AEB450V22	AEB226M2WS44T	22	S	1.80	560	3.83	3.17	2.94	75	2.71

ELNA 105°C ALUMINUM ELECTROLYTICS

RVS Series

- Operating temperature range: -55°C to +105°C
- Leakage current: < 0.01 CV (µA)
- Capacitance tolerance.: ±20%
- Overall Height of 5.3mm (±0.2mm)
- Endurance: 1000 hours @ 105°C

DIMENSIONS (mm)



Dia. (D)	DIMENSIONS (mm) A	B	C	P
4	4.3	4.3	2.0	1.0
5	5.3	6.3	2.3	1.5
6.3	6.6	6.6	2.7	2.0

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Elna Part No.	Value (µF)	Dia. (D) mm	Price Each 1	100	500	10
6.3 Volts							
555-6.3V22	RVS6V220M-R	22	4	.24	.16	.11	.(
555-6.3V47	RVS6V470M-R	47	5	.29	.20	.14	.1
555-6.3V100	RVS6V101M-R	100	6.3	.32	.22	.15	.1
10 Volts							
555-10V10	RVS10V100M-R	10	4	.24	.16	.11	.(
555-10V33	RVS10V330M-R	33	5	.29	.20	.14	.1
16 Volts							
555-16V10	RVS16V100M-R	10	4	.29	.20	.14	.
555-16V22	RVS16V220M-R	22	5	.29	.20	.14	.
555-16V47	RVS16V470M-R	47	6.3	.32	.22	.15	.
25 Volts							
555-25V33	RVS25V330M-R	33	6.3	.32	.22	.15	.
35 Volts							
555-35V4.7	RVS35V4R7M-R	4.7	4	.24	.16	.11	.(
555-35V10	RVS35V100M-R	10	5	.29	.20	.14	.1
555-35V22	RVS35V220M-R	22	6.3	.32	.22	.15	.
50 Volts							
555-50V0.22	RVS50VR22M-R	0.22	4.0	.24	.16	.11	.(
555-50V0.47	RVS50VR47M-R	0.47	4.0	.24	.16	.11	.(
555-50V1.0	RVS50V010M-R	1.0	4.0	.24	.16	.11	.(
555-50V2.2	RVS50V2R2M-R	2.2	4.0	.24	.16	.11	.(
555-50V3.3	RVS50V3R3M-R	3.3	4.0	.24	.16	.11	.(
555-50V4.7	RVS50V4R7M-R	4.7	5.0	.29	.20	.14	.1
555-50V10	RVS50V100M-R	10	6.3	.32	.22	.15	.

luminum and Polymer Aluminum Electrolytic Capacitors

CDE CORNELL DUBILIER

CORNELL DUBILIER FLATPACK® LONG LIFE ALUMINUM ELECTROLYTIC CAPACITORS

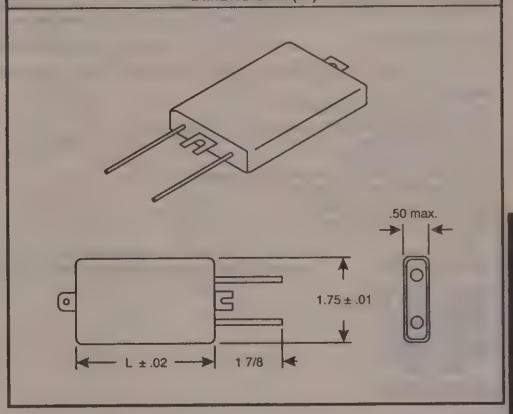
MLP Flatpack® series unique flat design increases available board space by 27% compared to standard round acitors. The broad, flat sides make heat-sinking simple and effective, and the box shape encourages efficient ding. High-purity material assure extremely long life, and for values rated at 250V and less exhibit superior -temperature impedance down to -55°C.

itures:
ow profile replacement for snap-in capacitors
:an readily heat sink to double the ripple capability
leer-hermetic welded seal assures 50-year life

Type MLP:
- Military
- Telecom
- Computer power supply modules
- Circuit cards

ecifications:
leight: < 1/2"
Capacitance: 220-20,000µF
Voltage: 25-450VDC
Operates: -55°C to 85°C for 250V, -40°C to 85°C for >250V
,000-Hour life test: 85°C
ype MLP delivers 25 joules of energy storage in a 1/2" height
ith 50 years life @ +45°C

DIMENSIONS (IN)



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Volt (DC)	Value (µF)	Case Size D x L (IN)	Max. ESR (MΩ) 120 Hz	Max. ESR (MΩ) 20 kHz	Ripple (A) at 85° 120 Hz	Ripple (A) at 85° 20 kHz	Price Each 1	Price Each 10	Price Each 25
87-25V203	MLP203M025EB1A	25	20000	1.75 X 3.0	34	27	8.6	9.6	61.50	50.72	46.70
87-50V442	MLP442M050EK1A	50	4400	1.75 X 1.5	97	70	3.7	4.4	48.58	40.48	37.37
87-50V113	MLP113M050EB1A	50	11000	1.75 X 3.0	36	27	8.3	9.6	61.50	50.72	46.70
87-63V222	MLP222M063EK1A	63	2200	1.75 X 1.5	101	76	3.7	4.2	48.48	40.48	37.37
87-80V332	MLP332M080EB1A	80	3300	1.75 X 3.0	44	31	7.5	9.0	61.50	50.72	46.70
87-200V102	MLP102M200EB1A	200	1000	1.75 X 3.0	158	100	3.8	5.0	61.50	50.72	46.70
87-250V821	MLP821M250EB1A	250	820	1.75 X 3.0	172	103	3.8	4.9	61.50	50.72	46.70
87-400V301	MLP301M400EB1A	400	300	1.75 X 3.0	530	390	2.1	2.5	64.97	54.19	50.17
87-450V281	MLP281M450EB0A	450	280	1.75 X 3.0	585	480	2.0	2.3	64.97	54.19	50.17

CORNELL DUBILIER ESRE AND ESRD SERIES LOW ESR SMD SOLID POLYMER ALUMINUM CAPACITORS

d polymer aluminum capacitors combine the high capacitance capability of an electrolytic component with the high frequency ormance of film capacitors. When the need for low impedance at high frequency is critical for your design, one SPA chip is able of replacing several liquid electrolyte aluminum or tantalum capacitors connected in parallel.

el for bypassing high frequency noise, and for switching frequency filtering in DC/DC conversion.

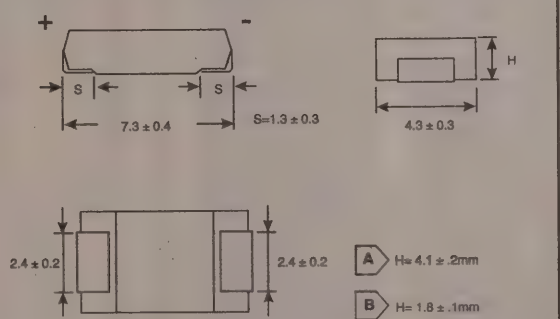
e solid electrolyte delivers a typical expected operating life of more than 50 years.

ecifications:
perating temperature range: -55°C to +105°C
urge voltage: 125% of rated voltage
apacitance tolerance: ±20% @ 120Hz and +20°C
C leakage current: ≤4V; to I ≤ .06CV (µA)
>4V; to I ≤ .04CV (µA) or 3µA

Applications:
- Motherboard By-Pass
- Switching supply input/output filters
- Power supply decoupling
- High frequency noise reduction
- Laptop LCD displays
- Automotive digital equipment
- Portable electronic equipment

itures:
ltra low E.S.R.
igh ripple current rating - up to 3.0 Amps
ltra stable - no change in imp. & e.s.r. from -55°C to +105°C
educed parts count - replaces three or more tantalum caps
herently more reliable, and ignition free

DIMENSIONS (mm)



Reel quantities start at 2000 pcs for ESRE and 3500pcs for ESRD.

MOUSER STOCK NO.	CDE Part Number	Fig.	Volt (DC)	Value (µF)	Max. ESR 100KHz/20°C (Ω)	Max. Ripple Current 100KHz/105°C (Amps)	Price Each 1	10	100	500	1000
SRE											
87-2V270E	ESRE271M02B	A	2.0	270	270	3.0	2.68	2.55	2.30	2.00	1.70
87-4V180E	ESRE181M04B	A	4.0	180	180	3.0	2.68	2.55	2.30	2.00	1.70
87-6.3V150E	ESRE151M06B	A	6.3	150	150	3.0	2.68	2.55	2.30	2.00	1.70
87-8V100E	ESRE101M08B	A	8.0	100	100	3.0	2.68	2.55	2.30	2.00	1.70
SRD											
87-4V56D	ESRD560M04B	B	4.0	56	.025	1.8	1.10	.98	.85	.74	.63
87-6.3V33D	ESRD330M06B	B	6.3	33	.035	1.6	1.05	.95	.81	.70	.60
87-6.3V47D	ESRD470M06B	B	6.3	47	.025	1.8	1.10	.98	.85	.74	.63
87-8V22D	ESRD220M08B	B	8.0	22	.035	1.6	1.05	.95	.81	.70	.60
87-8V33D	ESRD330M08B	B	8.0	33	.025	1.8	1.10	.98	.85	.74	.63
87-12.5V10D	ESRD100M12B	B	12.5	10	.060	1.0	1.00	.90	.77	.67	.57
87-12.5V22D	ESRD220M12B	B	12.5	22	.040	1.3	1.10	.98	.85	.74	.63
87-16V6.8D	ESRD6R8M16B	B	16.0	6.8	.070	1.0	1.05	.95	.81	.70	.60
87-16V8.2D	ESRD8R2M16B	B	16.0	8.2	.060	1.0	1.10	.98	.85	.74	.63

KEMET 125°C Low ESR Aluminum Organic Capacitors - AO-CAP

KEMET

KEMET enters the world of aluminum capacitors with the introduction of the AO-CAP, designated the A700 Series, which has been targeted for power management applications. With aluminum as the anode material, aluminum oxide as the dielectric, and a conductive polymer to replace the wet electrolytic historically used in aluminum capacitors, KEMET has advanced beyond existing aluminum organic capacitors. The KEMET A700 Series AO-CAP is also an ideal alternative to high-capacitance ceramics. Its outstanding high frequency performance helps reduce component counts, cost-effectively saving board space.

The KEMET AO-CAP is totally free of lead with excellent surge current performance and long-term reliability. There is no recommended de-rating of application voltage to reduce failure rate. The operating temperature is -55°C to +125

The KEMET AO-CAP is offered in the same EIA industry standard case sizes and packaging formats as KEMET's tantalum surface-mount capacitor lines.

Features:

- Extremely low ESR
- High capacitance retention for superior performance at high operating frequencies
- Non-ignition Failure Mode
- No "dry-out" or "wear-out" related failure mechanism
- No voltage derating up to +125° C
- True Surface-mount capability
- Overall lower placement costs
- PB Free
- Self healing mechanism
- MSL3 Packaging

Other ESR Ratings Available
Please contact a Mouser Customer Service Representative

Cross Reference Chart

KEMET AO	Panasonic SP
A700	EEF

LEAD-FREE

Dimensions (mm)

Case Size		L	W	H	K Min.	F ± 0.1	S ± 0.2
KEMET	EIA						
V	7343-20	7.3 ±0.3	4.3 ±0.3	1.9±0.1	1.1	2.4	1.3
D	7343-31	7.3±0.3	4.3±0.3	2.8±0.3	1.3	2.4	1.3
X	7343-43	7.3±0.3	4.3±0.3	4.0±0.3	2.1	2.4	1.3

A700 Series

MOUSER STOCK NO.	KEMET Part Number	Volt (DC)	Value (µF)	Case Code	ESR mΩ 100kHz 25°C Max	DCL @VR µA +25°C Max	Ripple Current A rms 100kHz Max -55°C to 105°C	Price Each 1	20	40	120	Tape and Reel	Reel Qty.	Pri Ea
80-A700V107M2E18	A700V107M002ATE018	2	100	V	18	12	2.6	2.25	1.80	1.58	1.46	80-A700V107M2E18-TR	1000	1.
80-A700V107M002	A700V107M002ATE028	2	100	V	28	12	2.1	1.75	1.40	1.23	1.14	80-A700V107M002-TR	1000	.
80-A700V127M2E18	A700V127M002ATE018	2	120	V	18	14.4	2.6	2.98	2.38	2.08	1.93	80-A700V127M2E18-TR	1000	1.
80-A700V127M2E25	A700V127M002ATE025	2	120	V	25	14.4	2.2	2.73	2.18	1.91	1.77	80-A700V127M2E25-TR	1000	1.
80-A700V127M2E28	A700V127M002ATE028	2	120	V	28	14.4	2.1	2.48	1.98	1.73	1.61	80-A700V127M2E28-TR	1000	1.
80-A700V157M2E18	A700V157M002ATE018	2	150	V	18	18	2.6	2.25	1.80	1.58	1.46	80-A700V157M2E18-TR	1000	1.
80-A700V157M002	A700V157M002ATE028	2	150	V	28	18	2.1	1.75	1.40	1.23	1.14	80-A700V157M002-TR	1000	.
80-A700D187M2E15	A700D187M002ATE015	2	180	D	15	21.6	3.4	3.50	2.80	2.45	2.28	80-A700D187M2E15-TR	500	1.
80-A700D187M2E18	A700D187M002ATE018	2	180	D	18	21.6	2.9	3.25	2.60	2.28	2.11	80-A700D187M2E18-TR	500	1.
80-A700D227M2E15	A700D227M002ATE015	2	220	D	15	26.4	3.4	3.50	2.80	2.45	2.28	80-A700D227M2E15-TR	500	1.
80-A700D227M002	A700D227M002ATE018	2	220	D	18	26.4	2.9	3.25	2.60	2.28	2.11	80-A700D227M002-TR	500	1.
80-A700X337M2E10	A700X337M002ATE010	2	330	X	10	39.6	4.2	4.75	3.80	3.33	3.09	80-A700X337M2E10-TR	500	2.
80-A700X397M2E10	A700X397M002ATE010	2	390	X	10	46.8	4.2	4.75	3.80	3.33	3.09	80-A700X397M2E10-TR	500	2.
80-A700X477M2E10	A700X477M002ATE010	2	470	X	10	56.4	4.2	5.25	4.20	3.68	3.41	80-A700X477M2E10-TR	500	2.
80-A700V826M2R5E18	A700V826M2R5ATE018	2.5	82	V	18	12.3	2.6	2.98	2.38	2.08	1.93	80-A700V826M2RE18-TR	1000	1.
80-A700D157M2R5E15	A700D157M2R5ATE015	2.5	150	D	15	22.5	3.4	3.98	3.18	2.78	2.58	80-A700D157M2RE15-TR	500	1.
80-A700D187M2R5E15	A700D187M2R5ATE015	2.5	180	D	15	27	3.4	3.98	3.18	2.78	2.58	80-A700D187M2RE15-TR	500	1.
80-A700X227M2R5E10	A700X227M2R5ATE010	2.5	220	X	10	33	4.2	5.25	4.20	3.68	3.41	80-A700X227M2RE10-TR	500	2.
80-A700X337M2R5E10	A700X337M2R5ATE010	2.5	330	X	10	49.5	4.2	5.25	4.20	3.68	3.41	80-A700X337M2RE10-TR	500	2.
80-A700V826M4E18	A700V826M004ATE018	4	82	V	18	19.7	2.6	2.25	1.80	1.58	1.46	80-A700V826M4E18-TR	1000	1.
80-A700V826M4E25	A700V826M004ATE025	4	82	V	25	19.7	2.2	2.00	1.60	1.40	1.30	80-A700V826M4E25-TR	1000	.
80-A700V826M004	A700V826M004ATE028	4	82	V	28	19.7	2.1	1.75	1.40	1.23	1.14	80-A700V826M004-TR	1000	.
80-A700D127M4E15	A700D127M004ATE015	4	120	D	15	28.8	3.4	3.50	2.80	2.45	2.28	80-A700D127M4E15-TR	500	1.
80-A700D127M004	A700D127M004ATE018	4	120	D	18	28.8	2.9	3.25	2.60	2.28	2.11	80-A700D127M004-TR	500	1.
80-A700D157M4E15	A700D157M004ATE015	4	150	D	15	36	3.4	3.50	2.80	2.45	2.28	80-A700D157M4E15-TR	500	1.
80-A700D157M004	A700D157M004ATE018	4	150	D	18	36	2.9	3.25	2.60	2.28	2.11	80-A700D157M004-TR	500	1.
80-A700D187M4E15	A700D187M004ATE015	4	180	D	15	43.2	3.4	3.98	3.18	2.78	2.58	80-A700D187M4E15-TR	500	1.
80-A700D187M4E18	A700D187M004ATE018	4	180	D	18	43.2	2.9	3.73	2.98	2.61	2.42	80-A700D187M4E18-TR	500	1.
80-A700X227M4E10	A700X227M004ATE010	4	220	X	10	52.8	4.2	4.75	3.80	3.33	3.09	80-A700X227M4E10-TR	500	2.
80-A700X277M4E10	A700X277M004ATE010	4	270	X	10	64.8	4.2	4.75	3.80	3.33	3.09	80-A700X277M4E10-TR	500	2.
80-A700X337M4E10	A700X337M004ATE010	4	330	X	10	79.2	4.2	5.25	4.20	3.68	3.41	80-A700X337M4E10-TR	500	2.
80-A700V226M6E28	A700V226M006ATE028	6.3	22	V	28	5.5	2.1	2.73	2.18	1.91	1.77	80-A700V226M6E28-TR	1000	1.
80-A700V226M6E45	A700V226M006ATE045	6.3	22	V	45	5.5	1.7	2.48	1.98	1.73	1.61	80-A700V226M6E45-TR	1000	1.
80-A700V336M6E18	A700V336M006ATE018	6.3	33	V	18	8.3	2.6	2.25	1.80	1.58	1.46	80-A700V336M6E18-TR	1000	1.
80-A700V336M6E25	A700V336M006ATE025	6.3	33	V	25	8.3	2.2	2.00	1.60	1.40	1.30	80-A700V336M6E25-TR	1000	.
80-A700V336M6E28	A700V336M006ATE028	6.3	33	V	28	8.3	2.1	1.75	1.40	1.23	1.14	80-A700V336M6E28-TR	1000	.
80-A700V476M6E18	A700V476M006ATE018	6.3	47	V	18	11.8	2.6	2.25	1.80	1.58	1.46	80-A700V476M6E18-TR	1000	1.
80-A700V476M006	A700V476M006ATE025	6.3	47	V	25	11.8	2.2	1.75	1.40	1.23	1.14	80-A700V476M006-TR	1000	.
80-A700V476M6E28	A700V476M006ATE028	6.3	47	V	28	11.8	2.1	1.75	1.40	1.23	1.14	80-A700V476M6E28-TR	1000	.
80-A700V566M6E18	A700V566M006ATE018	6.3	56	V	18	14.1	2.6	2.25	1.80	1.58	1.46	80-A700V566M6E18-TR	1000	1.
80-A700V566M6E25	A700V566M006ATE025	6.3	56	V	25	14.1	2.2	2.00	1.60	1.40	1.30	80-A700V566M6E25-TR	1000	.
80-A700V566M6E28	A700V566M006ATE028	6.3	56	V	28	14.1	2.1	1.75	1.40	1.23	1.14	80-A700V566M6E28-TR	1000	.
80-A700V686M6E18	A700V686M006ATE018	6.3	68	V	18	17.1	2.6	2.25	1.80	1.58	1.46	80-A700V686M6E18-TR	1000	1.
80-A700V686M6E25	A700V686M006ATE025	6.3	68	V	25	17.1	2.2	2.00	1.60	1.40	1.30	80-A700V686M6E25-TR	1000	.
80-A700V686M006	A700V686M006ATE028	6.3	68	V	28	17.1	2.1	1.75	1.40	1.23	1.14	80-A700V686M006-TR	1000	.
80-A700V826M6E18	A700V826M006ATE018	6.3	82	V	18	20.7	2.6	2.98	2.38	2.08	1.93	80-A700V826M6E18-TR	1000	1.
80-A700V826M6E25	A700V826M006ATE025	6.3	82	V	25	20.7	2.2	2.73	2.18	1.91	1.77	80-A700V826M6E25-TR	1000	1.
80-A700V826M6E28	A700V826M006ATE028	6.3	82	V	28	20.7	2.1	2.48	1.98	1.73	1.61	80-A700V826M6E28-TR	1000	1.
80-A700D107M6E15	A700D107M006ATE015	6.3	100	D	15	25.2	3.4	3.50	2.80	2.45	2.28	80-A700D107M6E15-TR	500	1.
80-A700D107M006	A700D107M006ATE018	6.3	100	D	18	25.2	2.9	3.25	2.60	2.28	2.11	80-A700D107M006-TR	500	1.
80-A700D127M6E15	A700D127M006ATE015	6.3	120	D	15	30.2	3.4	3.98	3.18	2.78	2.58	80-A700D127M6E15-TR	500	1.
80-A700D127M6E18	A700D127M006ATE018	6.3	120	D	18	30.2	2.9	3.73	2.98	2.61	2.42	80-A700D127M6E18-TR	500	1.
80-A700X157M6E10	A700X157M006ATE010	6.3	150	X	10	37.8	4.2	4.75	3.80	3.33	3.09	80-A700X157M6E10-TR	500	2.
80-A700X187M6E10	A700X187M006ATE010	6.3	180	X	10	45.4	4.2	4.75	3.80	3.33	3.09	80-A700X187M6E10-TR	500	2.
80-A700V226M8E28	A700V226M008ATE028	8	22	V	28	7	2.1	2.73	2.18	1.91	1.77	80-A700V226M8E28-TR	1000	1.
80-A700V226M8E45	A700V226M008ATE045	8	22	V	45	7	1.7	2.48	1.98	1.73	1.61	80-A700V226M8E45-TR	1000	1.
80-A700V336M8E18	A700V336M008ATE018	8	33	V	18	10.6	2.6	2.25	1.80	1.58	1.46	80-A700V336M8E18-TR	1000	1.
80-A700V336M8E25	A700V336M008ATE025	8	33	V	25	10.6	2.2	2.00	1.60	1.40	1.30	80-A700V336M8E25-TR	1000	.
80-A700V336M008	A700V336M008ATE028	8	33	V	28	10.6	2.1	1.75	1.40	1.23	1.14	80-A700V336M008-TR	1000	.
80-A700D566M8E15	A700D566M008ATE015	8	56	D	15	17.9	3.4	3.98	3.18	2.78	2.58	80-A700D566M8E15-TR	500	1.
80-A700D566M8E18	A700D566M008ATE018	8	56	D	18	17.9	2.9	3.73	2.98	2.61	2.42	80-A700D566M8E18-TR	500	1.
80-A700D686M8E15	A700D686M008ATE015	8	68	D	15	21.8	3.4	3.98	3.18	2.78	2.58	80-A700D686M8E15-TR	500	1.
80-A700D686M8E18	A700D686M008ATE018	8	68	D	18	21.8	2.9	3.73	2.98	2.61	2.42	80-A700D686M8E18-TR	500	1.
80-A700X107M8E10	A700X107M008ATE010	8	100	X	10	32	4.2	5.25	4.20	3.68	3.41	80-A700X107M8E10-TR	500	2.
80-A700V336M10E18	A700V336M010ATE018	10	33	V	18	13.2	2.6	2.25	1.80	1.58	1.46	80-A700V336M10E18-TR	1000	1.
80-A700V336M010	A700V336M010ATE028	10	33	V	28	13.2	2.1	1.75	1.40	1.23	1.14	80-A700V336M010-TR	1000	.
80-A700D566M10E15	A700D566M010ATE015	10	56	D	15	22.4	3.4	3.98	3.18	2.78	2.58	80-A700D566M10E15-TR	500	1.
80-A700D566M010	A700D566M010ATE018	10	56	D	18	22.4	2.9	3.73	2.98	2.61	2.42	80-A700D566M010-TR	500	1.
80-A700D686M10E15	A700D686M010ATE015	10	68	D	15	27.2	3.4	3.98	3.18	2.78	2.58	80-A700D686M10E15-TR	500	1.
80-A700D686M10E18	A700D686M010ATE018	10	68	D	18	27.2	2.9	3.73	2.98	2.61	2.42	80-A700D686M10E18-TR	500	1.
80-A700X107M10E10	A700X107M010ATE010	10	100	X	10	40	4.2	5.25	4.20	3.68	3.41	80-A700X107M10E10-TR	500	2.
80-A700X127M10E10	A700X127M010ATE010	10	120	X	10	48	4.2	5.25	4.20	3.68	3.41	80-A700X127M10E10-TR	500	2.
80-A700X157M10E10	A700X157M010ATE010	10	150	X	10	48	3.4	5.25	4.20	3.68	3.41	80-A700X157M10E10-TR	500	2.

chicon UWT 105°C SMD SERIES (LEAD FREE)

cifications:

- erating temperature range: -55 ~ +105° C
- ltage range: 4 ~ 50V
- pacitance range: 0.1~ 1500μF
- pacitance tolerance: ± 20% at 120Hz/ 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or (3μA), whichever is greater.
- Endurance: 1000 hours @ 105°C

lication note:

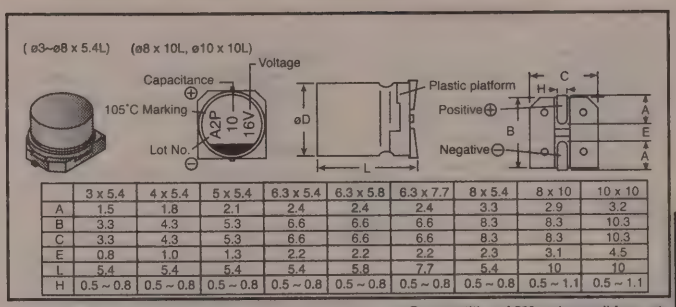
igher voltage capacitor may be used in a er voltage application.

LEAD-FREE

Available in Tape & Reel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Reel Reel Qty.	Tape and Reel Price per Piece
Volt							
-UWT0G220MCL1B	UWT0G220MCL1GB	22	4 x 5.4	.22	.15	2000	.081
-UWT0G330MCL1B	UWT0G330MCL1GB	33	5 x 5.4	.25	.18	1000	.100
-UWT0G470MCL1B	UWT0G470MCL1GB	47	5 x 5.4	.25	.18	1000	.100
-UWT0G101MCL1B	UWT0G101MCL1GB	100	6.3 x 5.4	.26	.19	1000	.110
-UWT0G221MCL1B	UWT0G221MCL1GB	220	8 x 5.4	.33	.23	1000	.130
Volt							
-UWT0J220MCL1B	UWT0J220MCL1GB	22	4 x 5.4	.22	.15	2000	.081
-UWT0J330MCL1B	UWT0J330MCL1GB	33	5 x 5.4	.25	.18	1000	.100
-UWT0J470MCL1B	UWT0J470MCL1GB	47	5 x 5.4	.25	.18	1000	.100
-UWT0J101MCL1B	UWT0J101MCL1GB	100	6.3 x 5.4	.26	.19	1000	.110
-UWT0J221MCL1B	UWT0J221MCL1GB	220	8 x 5.4	.28	.20	1000	.110
-UWT0J331MCL1S	UWT0J331MCL1GS	330	6.3 x 7.7	.36	.26	900	.140
-UWT0J471MNL1S	UWT0J471MNL1GS	470	8 x 10	.44	.31	500	.179
-UWT0J681MNL1S	UWT0J681MNL1GS	680	8 x 10	.44	.31	500	.200
-UWT0J102MNL1S	UWT0J102MNL1GS	1000	8 x 10	.44	.31	500	.200
-UWT0J152MNL1S	UWT0J152MNL1GS	1500	10 x 10	.56	.40	500	.260
Volt							
-UWT1A220MCL1B	UWT1A220MCL1GB	22	5 x 5.4	.25	.18	1000	.100
-UWT1A330MCL1B	UWT1A330MCL1GB	33	5 x 5.4	.25	.18	1000	.100
-UWT1A470MCL1B	UWT1A470MCL1GB	47	6.3 x 5.4	.26	.19	1000	.110
-UWT1A101MCL1B	UWT1A101MCL1GB	100	6.3 x 5.4	.26	.19	1000	.110
Volt							
-UWT1C100MCL2B	UWT1C100MCL2GB	10	3 x 5.4	.22	.15	2000	.081
-UWT1C100MCL1B	UWT1C100MCL1GB	10	4 x 5.4	.22	.15	2000	.081
-UWT1C220MCL1B	UWT1C220MCL1GB	22	5 x 5.4	.25	.18	1000	.100
-UWT1C330MCL1B	UWT1C330MCL1GB	33	6.3 x 5.4	.26	.19	1000	.110
-UWT1C470MCL1B	UWT1C470MCL1GB	47	6.3 x 5.4	.26	.19	1000	.110
-UWT1C101MCL1B	UWT1C101MCL1GB	100	6.3 x 5.4	.26	.19	1000	.110
-UWT1C221MCL1S	UWT1C221MCL1GS	220	6.3 x 7.7	.36	.26	900	.159
-UWT1C331MNL1S	UWT1C331MNL1GS	330	8 x 10	.44	.31	500	.200
-UWT1C471MNL1S	UWT1C471MNL1GS	470	8 x 10	.44	.31	500	.200
-UWT1C681MNL1S	UWT1C681MNL1GS	680	10 x 10	.57	.40	500	.260
Volt							
-UWT1E4R7MCL2B	UWT1E4R7MCL2GB	4.7	3 x 5.4	.22	.15	2000	.081
-UWT1E4R7MCL1B	UWT1E4R7MCL1GB	4.7	4 x 5.4	.22	.15	2000	.081
-UWT1E100MCL1B	UWT1E100MCL1GB	10	5 x 5.4	.25	.18	1000	.100
-UWT1E220MCL1B	UWT1E220MCL1GB	22	6.3 x 5.4	.26	.19	1000	.110
-UWT1E330MCL1B	UWT1E330MCL1GB	33	6.3 x 5.4	.26	.19	1000	.110
-UWT1E470MCL1B	UWT1E470MCL1GB	47	8 x 5.4	.33	.23	1000	.130
-UWT1E470MCL6S	UWT1E470MCL6GS	47	6.3 x 5.8	.33	.23	1000	.130



	3 x 5.4	4 x 5.4	5 x 5.4	6.3 x 5.4	6.3 x 5.8	6.3 x 7.7	8 x 5.4	8 x 10	10 x 10
A	1.5	1.8	2.1	2.4	2.4	2.4	3.3	2.9	3.2
B	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
C	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
E	0.8	1.0	1.3	2.2	2.2	2.2	2.3	3.1	4.5
L	5.4	5.4	5.4	5.4	5.8	7.7	5.4	10	10
H	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 1.1	0.5 ~ 1.1

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Reel Reel Qty.	Tape and Reel Price per Piece
25 Volt (cont.)							
647-UWT1E331MNL1S	UWT1E331MNL1GS	330	8 x 10	.44	.31	500	.200
647-UWT1E471MNL1S	UWT1E471MNL1GS	470	10 x 10	.56	.40	500	.260
35 Volt							
647-UWT1V2R2MCL2B	UWT1V2R2MCL2GB	2.2	3 x 5.4	.22	.15	2000	.081
647-UWT1V3R3MCL2B	UWT1V3R3MCL2GB	3.3	3 x 5.4	.22	.15	2000	.081
647-UWT1V4R7MCL1B	UWT1V4R7MCL1GB	4.7	4 x 5.4	.22	.15	2000	.081
647-UWT1V100MCL1B	UWT1V100MCL1GB	10	5 x 5.4	.25	.18	1000	.100
647-UWT1V220MCL1B	UWT1V220MCL1GB	22	6.3 x 5.4	.26	.19	1000	.110
647-UWT1V330MCL1B	UWT1V330MCL1GB	33	8 x 5.4	.33	.23	1000	.130
647-UWT1V470MCL1S	UWT1V470MCL1GS	47	6.3 x 5.8	.36	.26	1000	.150
647-UWT1V101MCL1S	UWT1V101MCL1GS	100	6.3 x 7.7	.36	.26	900	.159
647-UWT1V221MNL1S	UWT1V221MNL1GS	220	8 x 10	.44	.31	500	.200
647-UWT1V331MNL1S	UWT1V331MNL1GS	330	10 x 10	.56	.40	500	.260
50 Volt							
647-UWT1H0R1MCL2B	UWT1H0R1MCL2GB	0.10	3 x 5.4	.22	.15	2000	.081
647-UWT1H0R1MCL1B	UWT1H0R1MCL1GB	0.10	4 x 5.4	.22	.15	2000	.081
647-UWT1HR22MCL2B	UWT1HR22MCL2GB	0.22	3 x 5.4	.22	.15	2000	.081
647-UWT1HR22MCL1B	UWT1HR22MCL1GB	0.22	4 x 5.4	.22	.15	2000	.081
647-UWT1HR33MCL2B	UWT1HR33MCL2GB	0.33	3 x 5.4	.22	.15	2000	.081
647-UWT1HR33MCL1B	UWT1HR33MCL1GB	0.33	4 x 5.4	.22	.15	2000	.081
647-UWT1HR47MCL2B	UWT1HR47MCL2GB	0.47	3 x 5.4	.22	.15	2000	.081
647-UWT1HR47MCL1B	UWT1HR47MCL1GB	0.47	4 x 5.4	.22	.15	2000	.081
647-UWT1H010MCL2B	UWT1H010MCL2GB	1.0	3 x 5.4	.22	.15	2000	.081
647-UWT1H010MCL1B	UWT1H010MCL1GB	1.0	4 x 5.4	.22	.15	2000	.081
647-UWT1H2R2MCL2B	UWT1H2R2MCL2GB	2.2	3 x 5.4	.22	.15	2000	.081
647-UWT1H2R2MCL1B	UWT1H2R2MCL1GB	2.2	4 x 5.4	.22	.15	2000	.081
647-UWT1H3R3MCL1B	UWT1H3R3MCL1GB	3.3	4 x 5.4	.22	.15	2000	.081
647-UWT1H4R7MCL1B	UWT1H4R7MCL1GB	4.7	5 x 5.4	.25	.18	1000	.100
647-UWT1H100MCL1B	UWT1H100MCL1GB	10	6.3 x 5.4	.26	.19	1000	.110
647-UWT1H220MCL1B	UWT1H220MCL1GB	22	8 x 5.4	.33	.23	1000	.130
647-UWT1H330MCL1S	UWT1H330MCL1GS	33	6.3 x 7.7	.36	.26	900	.159
647-UWT1H470MCL1S	UWT1H470MCL1GS	47	6.3 x 7.7	.36	.26	900	.159
647-UWT1H101MNL1S	UWT1H101MNL1GS	100	8 x 10	.44	.31	500	.200
647-UWT1H221MNL1S	UWT1H221MNL1GS	220	10 x 10	.56	.40	500	.260

chicon UUD 105°C LOW IMPEDANCE SMD SERIES (LEAD FREE)

cifications:

- erating temperature range: -55 ~ +105° C
- ltage range: 6.3 ~ 50V
- pacitance range: 0.1~ 1500μF
- idurance: 5000 hours (2000 6-3A) @ 105°C
- Capacitance tolerance: ± 20% at 120Hz/ 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or (3μA), whichever is greater.

lication note:

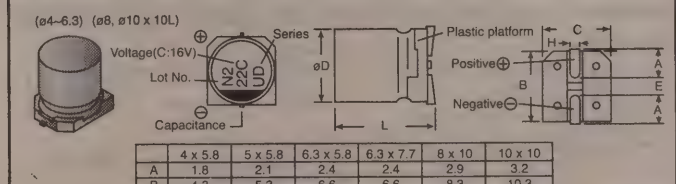
igher voltage capacitor may be used in a lower voltage application.

LEAD-FREE

Available in Tape & Reel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Reel Reel Qty.	Tape and Reel Price per Piece
3 Volt							
47-UUD0J470MCL	UUD0J470MCL1GS	47	5 x 5.8	.60	.54	1000	.30
47-UUD0J101MCL	UUD0J101MCL1GS	100	6.3 x 5.8	.65	.59	1000	.33
47-UUD0J221MCL	UUD0J221MCL1GS	220	6.3 x 5.8	.65	.59	1000	.33
47-UUD0J331MCL	UUD0J331MCL1GS	330	6.3 x 7.7	.65	.59	900	.33
47-UUD0J681MNL	UUD0J681MNL1GS	680	8 x 10	.83	.75	500	.66
47-UUD0J102MNL	UUD0J102MNL1GS	1000	8 x 10	.83	.75	500	.66
47-UUD0J152MNL	UUD0J152MNL1GS	1500	10 x 10	.90	.81	500	.72
1 Volt							
47-UUD1A220MCL	UUD1A220MCL1GS	22	4 x 5.8	.54	.48	2000	.22
47-UUD1A330MCL	UUD1A330MCL1GS	33	5 x 5.8	.60	.54	1000	.30
47-UUD1A680MCL	UUD1A680MCL1GS	68	6.3 x 5.8	.65	.59	1000	.33
47-UUD1A101MCL	UUD1A101MCL1GS	100	6.3 x 5.8	.65	.59	1000	.33
47-UUD1A471MNL	UUD1A471MNL1GS	470	8 x 10	.83	.75	500	.66
47-UUD1A102MNL	UUD1A102MNL1GS	1000	10 x 10	.90	.81	500	.72
5 Volt							
47-UUD1C470MCL	UUD1C470MCL1GS	47	6.3 x 5.8	.65	.59	1000	.33
47-UUD1C680MCL	UUD1C680MCL1GS	68	6.3 x 5.8	.65	.59	1000	.33
47-UUD1C101MCL	UUD1C101MCL1GS	100	6.3 x 5.8	.65	.59	1000	.33
47-UUD1C221MCL	UUD1C221MCL1GS	220	6.3 x 7.7	.69	.62	900	.35
47-UUD1C331MNL	UUD1C331MNL1GS	330	8 x 10	.83	.75	500	.66
47-UUD1C471MNL	UUD1C471MNL1GS	470	8 x 10	.83	.75	500	.66
47-UUD1C681MNL	UUD1C681MNL1GS	680	10 x 10	.90	.81	500	.72
6.3 Volt							
47-UUD1E100MCL	UUD1E100MCL1GS	10	4 x 5.8	.54	.48	2000	.22
47-UUD1E220MCL	UUD1E220MCL1GS	22	5 x 5.8	.60	.54	1000	.30
47-UUD1E330MCL	UUD1E330MCL1GS	33	6.3 x 5.8	.65	.59	1000	.33
47-UUD1E470MCL	UUD1E470MCL1GS	47	6.3 x 5.8	.65	.59	1000	.33
47-UUD1E680MCL	UUD1E680MCL1GS	68	6.3 x 5.8	.65	.59	1000	.33
47-UUD1E101MCL	UUD1E101MCL1GS	100	6.3 x 7.7	.69	.62	900	.35



	4 x 5.8	5 x 5.8	6.3 x 5.8	6.3 x 7.7	8 x 10	10 x 10
A	1.8	2.1	2.4	2.4	2.9	3.2
B	4.3	5.3	6.6	6.6	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	10.3
E	1.0	1.3	2.2	2.2	3.1	4.5
L	5.8	5.8	5.8	7.7	10	10
H	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 1.1	0.5 ~ 1.1

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Reel Reel Qty.	Tape and Reel Price per Piece
25 Volt (cont.)							
647-UUD1E221MNL	UUD1E221MNL1GS	220	8 x 10	.83	.75	500	.66
647-UUD1E331MNL	UUD1E331MNL1GS	330	8 x 10	.83	.75	500	.66
647-UUD1E471MNL	UUD1E471MNL1GS	470	10 x 10	.90	.81	500	.72
35 Volt							
647-UUD1V4R7MCL	UUD1V4R7MCL1GS	4.7	4 x 5.8	.54	.48	2000	.22
647-UUD1V100MCL	UUD1V100MCL1GS	10	5 x 5.8	.60	.54	1000	.30
647-UUD1V220MCL	UUD1V220MCL1GS	22	5 x 5.8	.60	.54	1000	.30
647-UUD1V330MCL	UUD1V330MCL1GS	33	6.3 x 5.8	.65	.59	1000	.33
647-UUD1V470MCL	UUD1V470MCL1GS	47	6.3 x 5.8	.65	.59	1000	.33
647-UUD1V680MCL	UUD1V680MCL1GS	68	6.3 x 7.7	.69	.62	900	.35
647-UUD1V101MNL	UUD1V101MNL1GS	100	8 x 10	.83	.75	500	.66
647-UUD1V221MNL	UUD1V221MNL1GS	220	8 x 10	.83	.75	500	.66
647-UUD1V331MNL	UUD1V331MNL1GS	330	10 x 10	.90	.81	500	.72
50 Volt							
647-UUD1H010MCL	UUD1H010MCL1GS	1.0	4 x 5.8	.54	.48	2000	.22
647-UUD1H2R2MCL	UUD1H2R2MCL1GS	2.2	4 x 5.8	.54	.48	2000	.22
647-UUD1H3R3MCL	UUD1H3R3MCL1GS	3.3	4 x 5.8	.54	.48	2000	.22
647-UUD1H4R7MCL	UUD1H4R7MCL1GS	4.7	5 x 5.8	.60	.54	1000	.30
647-UUD1H100MCL	UUD1H100MCL1GS	10	6.3 x 5.8	.65	.59	1000	.33
647-UUD1H220MCL	UUD1H220MCL1GS	22	6.3 x 5.8	.65	.59	1000	.33
647-UUD1H330MCL	UUD1H330MCL1GS	33	6.3 x 7.7	.69	.62	900	.35
647-UUD1H470MCL	UUD1H470MCL1GS	47	6.3 x 7.7	.69	.62	900	.35
647-UUD1H680MNL	UUD1H680MNL1GS	68	8 x 10	.83	.75	500	.66
647-UUD1H101MNL	UUD1H101MNL1GS	100	8 x 10	.83	.75	500	.66
647-UUD1H221MNL	UUD1H221MNL1GS	220	10 x 10	.90	.81	500	.72

nichicon UWX 85°C SMD GENERAL PURPOSE SERIES (LEAD FREE)

Specifications:

- Operating Temperature Range: -40°C ~ +85°C
- Voltage Range: UWP: 4V ~ 50V
- Capacitance Range: 0.1 ~ 330µF
- Capacitance Tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3µA, which ever is greater.

Endurance:

- 2000 hours @ 85°C

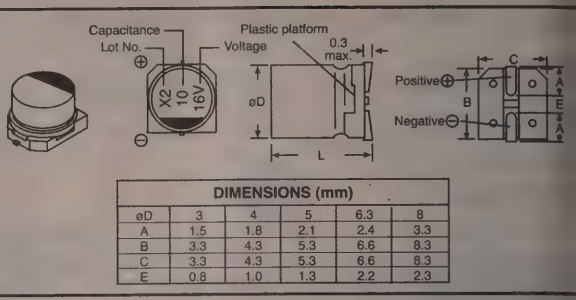
Features:

- Designed for surface mounting on a high density PC board
- SMD type with 5.5mm height

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

LEAD-FREE



DIMENSIONS (mm)					
øD	3	4	5	6.3	8
A	1.5	1.8	2.1	2.4	3.3
B	3.3	4.3	5.3	6.6	8.3
C	3.3	4.3	5.3	6.6	8.3
E	0.8	1.0	1.3	2.2	2.3

Available in Tape & Reel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Reel Reel Qty.	Tape and Reel Price per Piece
4 Volt							
647-UWX0G220MCL2	UWX0G220MCL2GB	22	3 X 5.4	.17	.12	2000	.060
647-UWX0G330MCL1	UWX0G330MCL1GB	33	4 X 5.4	.17	.12	2000	.060
647-UWX0G470MCL1	UWX0G470MCL1GB	47	4 X 5.4	.17	.12	2000	.060
647-UWX0G101MCL1	UWX0G101MCL1GB	100	5 X 5.4	.17	.12	1000	.065
647-UWX0G221MCL1	UWX0G221MCL1GB	220	6.3 X 5.4	.28	.11	1000	.082
6.3 Volt							
647-UWX0J220MCL2	UWX0J220MCL2GB	22	3 X 5.4	.16	.12	2000	.059
647-UWX0J220MCL1	UWX0J220MCL1GB	22	4 X 5.4	.16	.12	2000	.059
647-UWX0J330MCL1	UWX0J330MCL1GB	33	5 X 5.4	.17	.12	1000	.065
647-UWX0J470MCL1	UWX0J470MCL1GB	47	5 X 5.4	.17	.12	1000	.060
647-UWX0J101MCL1	UWX0J101MCL1GB	100	6.3 X 5.4	.17	.12	1000	.065
647-UWX0J221MCL1	UWX0J221MCL1GB	220	8 X 5.4	.32	.12	1000	.091
647-UWX0J331MCL1	UWX0J331MCL1GB	330	8 X 5.4	.32	.12	1000	.091
10 Volt							
647-UWX1A220MCL1	UWX1A220MCL1GB	22	5 X 5.4	.16	.12	1000	.059
647-UWX1A330MCL1	UWX1A330MCL1GB	33	5 X 5.4	.17	.12	1000	.065
647-UWX1A470MCL1	UWX1A470MCL1GB	47	6.3 X 5.4	.17	.12	1000	.065
647-UWX1A101MCL1	UWX1A101MCL1GB	100	6.3 X 5.4	.17	.12	1000	.065
647-UWX1A221MCL1	UWX1A221MCL1GB	220	8 X 5.4	.32	.12	1000	.091
16 Volt							
647-UWX1C100MCL2	UWX1C100MCL2GB	10	3 X 5.4	.16	.12	2000	.059
647-UWX1C100MCL1	UWX1C100MCL1GB	10	4 X 5.4	.16	.12	2000	.059
647-UWX1C220MCL1	UWX1C220MCL1GB	22	5 X 5.4	.16	.12	1000	.059
647-UWX1C330MCL1	UWX1C330MCL1GB	33	6.3 X 5.4	.20	.14	1000	.070
647-UWX1C470MCL1	UWX1C470MCL1GB	47	6.3 X 5.4	.18	.12	1000	.065
647-UWX1C101MCL1	UWX1C101MCL1GB	100	6.3 X 5.4	.20	.14	1000	.070
25 Volt							
647-UWX1E4R7MCL2	UWX1E4R7MCL2GB	4.7	3 X 5.4	.16	.12	2000	.059
647-UWX1E4R7MCL1	UWX1E4R7MCL1GB	4.7	4 X 5.4	.16	.12	2000	.059
647-UWX1E100MCL1	UWX1E100MCL1GB	10	5 X 5.4	.17	.12	1000	.065
647-UWX1E220MCL1	UWX1E220MCL1GB	22	6.3 X 5.4	.20	.14	1000	.070

Available in Tape &

For quantities of 500 and up, call for

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and R Reel Qty.	Tape and R Price Pie
25 Volt (cont.)							
647-UWX1E330MCL1	UWX1E330MCL1GB	33	6.3 X 5.4	.22	.16	1000	.07
647-UWX1E470MCL1	UWX1E470MCL1GB	47	8 X 5.4	.25	.17	1000	.08
647-UWX1E101MCL1	UWX1E101MCL1GB	100	8 X 5.4	.33	.23	1000	.1
35 Volt							
647-UWX1V2R2MCL2	UWX1V2R2MCL2GB	2.2	3 X 5.4	.16	.12	2000	.05
647-UWX1V3R3MCL2	UWX1V3R3MCL2GB	3.3	3 X 5.4	.16	.12	2000	.05
647-UWX1V4R7MCL1	UWX1V4R7MCL1GB	4.7	4 X 5.4	.16	.12	2000	.05
647-UWX1V100MCL1	UWX1V100MCL1GB	10	5 X 5.4	.17	.12	1000	.06
647-UWX1V220MCL1	UWX1V220MCL1GB	22	6.3 X 5.4	.20	.14	1000	.07
647-UWX1V330MCL1	UWX1V330MCL1GB	33	8 X 5.4	.25	.18	1000	.09
647-UWX1V470MCL1	UWX1V470MCL1GB	47	8 X 5.4	.25	.18	1000	.09
50 Volt							
647-UWX1H0R1MCL2	UWX1H0R1MCL2GB	0.1	3 X 5.4	.17	.12	2000	.06
647-UWX1H0R1MCL1	UWX1H0R1MCL1GB	0.1	4 X 5.4	.17	.12	2000	.06
647-UWX1HR22MCL2	UWX1HR22MCL2GB	0.22	3 X 5.4	.17	.12	2000	.06
647-UWX1HR22MCL1	UWX1HR22MCL1GB	0.22	4 X 5.4	.17	.12	2000	.06
647-UWX1HR33MCL2	UWX1HR33MCL2GB	0.33	3 X 5.4	.17	.12	2000	.06
647-UWX1HR33MCL1	UWX1HR33MCL1GB	0.33	4 X 5.4	.17	.12	2000	.06
647-UWX1HR47MCL2	UWX1HR47MCL2GB	0.47	3 X 5.4	.17	.12	2000	.06
647-UWX1HR47MCL1	UWX1HR47MCL1GB	0.47	4 X 5.4	.17	.12	2000	.06
647-UWX1H010MCL2	UWX1H010MCL2GB	1	3 X 5.4	.17	.12	2000	.06
647-UWX1H010MCL1	UWX1H010MCL1GB	1	4 X 5.4	.17	.12	2000	.06
647-UWX1H2R2MCL2	UWX1H2R2MCL2GB	2.2	3 X 5.4	.17	.12	2000	.06
647-UWX1H2R2MCL1	UWX1H2R2MCL1GB	2.2	4 X 5.4	.17	.12	2000	.06
647-UWX1H3R3MCL1	UWX1H3R3MCL1GB	3.3	4 X 5.4	.18	.13	2000	.06
647-UWX1H4R7MCL1	UWX1H4R7MCL1GB	4.7	5 X 5.4	.19	.13	1000	.06
647-UWX1H100MCL1	UWX1H100MCL1GB	10	6.3 X 5.4	.20	.14	1000	.07
647-UWX1H220MCL1	UWX1H220MCL1GB	22	8 X 5.4	.32	.12	1000	.09
647-UWX1H330MCL1	UWX1H330MCL1GB	33	8 X 5.4	.28	.19	1000	.09

nichicon UWP 85°C BI-POLAR SMD SERIES (LEAD FREE)

Specifications:

- Operating Temperature Range: -40°C ~ +85°C
- Voltage Range: UWP: 6.3V ~ 50V
- Capacitance Range: 0.1 ~ 330µF
- Capacitance Tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.05CV or 10µA, which ever is greater.

Endurance:

- 1000 hours @ 85°C with polarity inverted every 250 hours.

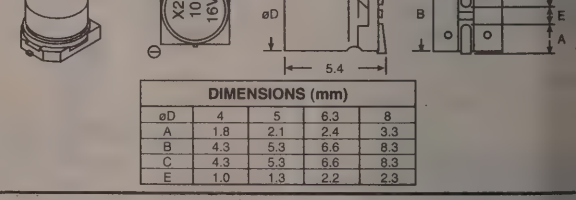
Features:

- Designed for surface mounting on a high density PC board
- SMD type with 5.5mm height

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

LEAD-FREE



DIMENSIONS (mm)					
øD	4	5	6.3	8	
A	1.8	2.1	2.4	3.3	
B	4.3	5.3	6.6	8.3	
C	4.3	5.3	6.6	8.3	
E	1.0	1.3	2.2	2.3	

Available in Tape & Reel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Reel Reel Qty.	Tape and Reel Price per Piece
6.3 Volt							
647-UWP0J220MCL	UWP0J220MCL1GB	22	5 X 5.4	.45	.34	1000	.22
647-UWP0J330MCL	UWP0J330MCL1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP0J470MCL	UWP0J470MCL1GB	47	6.3 X 5.4	.47	.35	1000	.23
647-UWP0J101MCL	UWP0J101MCL1GB	100	8 X 5.4	.48	.36	1000	.24
10 Volt							
647-UWP1A100MCL	UWP1A100MCL1GB	10	4 X 5.4	.39	.29	2000	.19
647-UWP1A220MCL	UWP1A220MCL1GB	22	6.3 X 5.4	.47	.35	1000	.23
647-UWP1A330MCL	UWP1A330MCL1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP1A470MCL	UWP1A470MCL1GB	47	8 X 5.4	.48	.36	1000	.24
16 Volt							
647-UWP1C4R7MCL	UWP1C4R7MCL1GB	4.7	4 X 5.4	.39	.29	2000	.19
647-UWP1C100MCL	UWP1C100MCL1GB	10	5 X 5.4	.45	.34	1000	.22
647-UWP1C220MCL	UWP1C220MCL1GB	22	6.3 X 5.4	.47	.35	1000	.23
647-UWP1C330MCL	UWP1C330MCL1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP1C470MCL	UWP1C470MCL1GB	47	8 X 5.4	.48	.36	1000	.24
25 Volt							
647-UWP1E3R3MCL	UWP1E3R3MCL1GB	3.3	5 X 5.4	.39	.29	1000	.20
647-UWP1E4R7MCL	UWP1E4R7MCL1GB	4.7	5 X 5.4	.45	.34	1000	.22

Available in Tape &

For quantities of 500 and up, call for

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Re Reel Qty.	Tape and Re Price Pie
25 Volt (cont.)							
647-UWP1E100MCL	UWP1E100MCL1GB	10	6.3 X 5.4	.47	.35	1000	.22
647-UWP1E220MCL	UWP1E220MCL1GB	22	8 X 5.4	.48	.36	1000	.24
647-UWP1E330MCL	UWP1E330MCL1GB	33	8 X 5.4	.48	.36	1000	.24
35 Volt							
647-UWP1V2R2MCL	UWP1V2R2MCL1GB	2.2	4 X 5.4	.43	.32	2000	.21
647-UWP1V3R3MCL	UWP1V3R3MCL1GB	3.3	5 X 5.4	.45	.34	1000	.22
647-UWP1V4R7MCL	UWP1V4R7MCL1GB	4.7	5 X 5.4	.45	.34	1000	.22
647-UWP1V100MCL	UWP1V100MCL1GB	10	6.3 X 5.4	.47	.35	1000	.23
647-UWP1V220MCL	UWP1V220MCL1GB	22	8 X 5.4	.48	.36	1000	.24
50 Volt							
647-UWP1H0R1MCL	UWP1H0R1MCL1GB	0.1	4 X 5.4	.39	.29	2000	.19
647-UWP1HR22MCL	UWP1HR22MCL1GB	0.22	4 X 5.4	.39	.29	2000	.19
647-UWP1HR33MCL	UWP1HR33MCL1GB	0.33	4 X 5.4	.39	.29	2000	.19
647-UWP1HR47MCL	UWP1HR47MCL1GB	0.47	4 X 5.4	.39	.29	2000	.19
647-UWP1H010MCL	UWP1H010MCL1GB	1	4 X 5.4	.39	.29	2000	.19
647-UWP1H2R2MCL	UWP1H2R2MCL1GB	2.2	5 X 5.4	.45	.34	1000	.22
647-UWP1H3R3MCL	UWP1H3R3MCL1GB	3.3	5 X 5.4	.45	.34	1000	.22
647-UWP1H4R7MCL	UWP1H4R7MCL1GB	4.7	6.3 X 5.4	.47	.35	1000	.23
647-UWP1H100MCL	UWP1H100MCL1GB	10	8 X 5.4	.48	.36	1000	.24

chicon UWT 105°C SMD SERIES

cifications:

- erating temperature range: -55 ~ +105° C
- ltage range : 4 ~ 50V
- pacitance range: 0.1~ 1500μF
- pacitance tolerance: ± 20% at 120Hz/ 20°C

d Life:

1000 hours application of rated voltage at C, capacitors meet the characteristics l at right.

- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or (3μA), whichever is greater.

Capacitance change	Within ± 25% of initial value for capacitors of ø3mm unit, and 16V or less Within ± 20% of intial value for capacitors of 25V or more.
tan δ	200% or less of initial specified value
Leakage current	Initial specified value or less

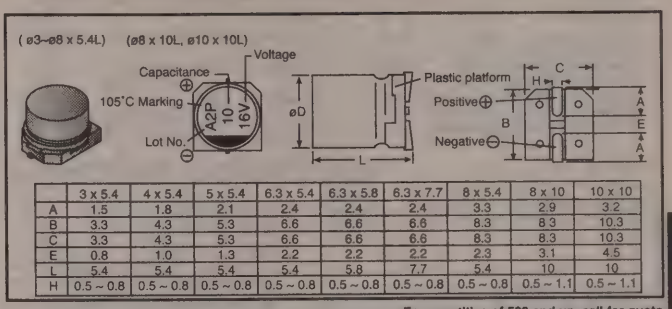
llication note:

igher voltage capacitor may be used in a er voltage application.

Available in Tape & Reel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Reel Reel Qty.	Tape and Reel Price per Piece
Volt							
7-UWT0G220MC1B	UWT0G220MCR1GB	22	4 x 5.4	.22	.15	2000	.081
7-UWT0G330MC1B	UWT0G330MCR1GB	33	5 x 5.4	.25	.18	1000	.100
7-UWT0G470MC1B	UWT0G470MCR1GB	47	5 x 5.4	.25	.18	1000	.100
7-UWT0G101MC1B	UWT0G101MCR1GB	100	6.3 x 5.4	.26	.19	1000	.110
7-UWT0G221MC1B	UWT0G221MCR1GB	220	8 x 5.4	.33	.23	1000	.130
Volt							
7-UWT0J220MC1B	UWT0J220MCR1GB	22	4 x 5.4	.22	.15	2000	.081
7-UWT0J330MC1B	UWT0J330MCR1GB	33	5 x 5.4	.25	.18	1000	.100
7-UWT0J470MC1B	UWT0J470MCR1GB	47	5 x 5.4	.25	.18	1000	.100
7-UWT0J101MC1B	UWT0J101MCR1GB	100	6.3 x 5.4	.26	.19	1000	.110
7-UWT0J221MC1B	UWT0J221MCR1GB	220	8 x 5.4	.28	.20	1000	.110
7-UWT0J331MC1S	UWT0J331MCR1GS	330	6.3 x 7.7	.36	.26	1000	.140
7-UWT0J471MN1S	UWT0J471MNR1GS	470	8 x 10	.44	.31	900	.179
7-UWT0J681MN1S	UWT0J681MNR1GS	680	8 x 10	.44	.31	500	.200
7-UWT0J102MN1S	UWT0J102MNR1GS	1000	8 x 10	.44	.31	500	.200
7-UWT0J152MN1S	UWT0J152MNR1GS	1500	10 x 10	.56	.40	500	.260
Volt							
7-UWT1A220MC1B	UWT1A220MCR1GB	22	5 x 5.4	.25	.18	1000	.100
7-UWT1A330MC1B	UWT1A330MCR1GB	33	5 x 5.4	.25	.18	1000	.100
7-UWT1A470MC1B	UWT1A470MCR1GB	47	6.3 x 5.4	.26	.19	1000	.110
7-UWT1A101MC1B	UWT1A101MCR1GB	100	6.3 x 5.4	.26	.19	1000	.110
Volt							
7-UWT1C100MC2B	UWT1C100MCR2GB	10	3 x 5.4	.22	.15	2000	.081
7-UWT1C100MC1B	UWT1C100MCR1GB	10	4 x 5.4	.22	.15	2000	.081
7-UWT1C220MC1B	UWT1C220MCR1GB	22	5 x 5.4	.25	.18	1000	.100
7-UWT1C330MC1B	UWT1C330MCR1GB	33	6.3 x 5.4	.26	.19	1000	.110
7-UWT1C470MC1B	UWT1C470MCR1GB	47	6.3 x 5.4	.26	.19	1000	.110
7-UWT1C101MC1B	UWT1C101MCR1GB	100	6.3 x 5.4	.26	.19	1000	.110
7-UWT1C221MC1S	UWT1C221MCR1GS	220	6.3 x 7.7	.36	.26	900	.159
7-UWT1C331MN1S	UWT1C331MNR1GS	330	8 x 10	.44	.31	500	.200
7-UWT1C471MN1S	UWT1C471MNR1GS	470	8 x 10	.44	.31	500	.200
7-UWT1C681MN1S	UWT1C681MNR1GS	680	10 x 10	.57	.40	500	.260
Volt							
7-UWT1E4R7MC2B	UWT1E4R7MCR2GB	4.7	3 x 5.4	.22	.15	2000	.081
7-UWT1E4R7MC1B	UWT1E4R7MCR1GB	4.7	4 x 5.4	.22	.15	2000	.081
7-UWT1E100MC1B	UWT1E100MCR1GB	10	5 x 5.4	.25	.18	1000	.100
7-UWT1E220MC1B	UWT1E220MCR1GB	22	6.3 x 5.4	.26	.19	1000	.110
7-UWT1E330MC1B	UWT1E330MCR1GB	33	6.3 x 5.4	.26	.19	1000	.110
7-UWT1E470MC1B	UWT1E470MNR1GB	47	8 x 5.4	.33	.23	1000	.130
7-UWT1E470MC6S	UWT1E470MCR6GS	47	6.3 x 5.8	.33	.23	1000	.130



	3 x 5.4	4 x 5.4	5 x 5.4	6.3 x 5.4	6.3 x 5.8	6.3 x 7.7	8 x 5.4	8 x 10	10 x 10
A	1.5	1.8	2.1	2.4	2.4	2.4	3.3	2.9	3.2
B	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
C	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
E	0.8	1.0	1.3	2.2	2.2	2.2	2.3	3.1	4.5
L	5.4	5.4	5.4	5.4	5.8	7.7	5.4	10	10
H	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 1.1	0.5 ~ 1.1

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Reel Reel Qty.	Tape and Reel Price per Piece
25 Volt (cont.)							
647-UWT1E331MN1S	UWT1E331MNR1GS	330	8 x 10	.44	.31	500	.200
647-UWT1E471MN1S	UWT1E471MNR1GS	470	10 x 10	.56	.40	500	.260
35 Volt							
647-UWT1V2R2MC2B	UWT1V2R2MCR2GB	2.2	3 x 5.4	.22	.15	2000	.081
647-UWT1V3R3MC2B	UWT1V3R3MCR2GB	3.3	3 x 5.4	.22	.15	2000	.081
647-UWT1V4R7MC1B	UWT1V4R7MCR1GB	4.7	4 x 5.4	.22	.15	2000	.081
647-UWT1V100MC1B	UWT1V100MCR1GB	10	5 x 5.4	.25	.18	1000	.100
647-UWT1V220MC1B	UWT1V220MCR1GB	22	6.3 x 5.4	.26	.19	1000	.110
647-UWT1V330MC1B	UWT1V330MCR1GB	33	8 x 5.4	.33	.23	1000	.130
647-UWT1V470MC1S	UWT1V470MCR1GS	47	6.3 x 5.8	.36	.26	1000	.150
647-UWT1V101MC1S	UWT1V101MCR1GS	100	6.3 x 7.7	.36	.26	900	.159
647-UWT1V221MN1S	UWT1V221MNR1GS	220	8 x 10	.44	.31	500	.200
647-UWT1V331MN1S	UWT1V331MNR1GS	330	10 x 10	.56	.40	500	.260
50 Volt							
647-UWT1H0R1MC2B	UWT1H0R1MCR2GB	0.10	3 x 5.4	.22	.15	2000	.081
647-UWT1H0R1MC1B	UWT1H0R1MCR1GB	0.10	4 x 5.4	.22	.15	2000	.081
647-UWT1HR22MC2B	UWT1HR22MCR2GB	0.22	3 x 5.4	.22	.15	2000	.081
647-UWT1HR22MC1B	UWT1HR22MCR1GB	0.22	4 x 5.4	.22	.15	2000	.081
647-UWT1HR33MC2B	UWT1HR33MCR2GB	0.33	3 x 5.4	.22	.15	2000	.081
647-UWT1HR33MC1B	UWT1HR33MCR1GB	0.33	4 x 5.4	.22	.15	2000	.081
647-UWT1HR47MC2B	UWT1HR47MCR2GB	0.47	3 x 5.4	.22	.15	2000	.081
647-UWT1HR47MC1B	UWT1HR47MCR1GB	0.47	4 x 5.4	.22	.15	2000	.081
647-UWT1H010MC2B	UWT1H010MCR2GB	1.0	3 x 5.4	.22	.15	2000	.081
647-UWT1H010MC1B	UWT1H010MCR1GB	1.0	4 x 5.4	.22	.15	2000	.081
647-UWT1H2R2MC2B	UWT1H2R2MCR2GB	2.2	3 x 5.4	.22	.15	2000	.081
647-UWT1H2R2MC1B	UWT1H2R2MCR1GB	2.2	4 x 5.4	.22	.15	2000	.081
647-UWT1H3R3MC1B	UWT1H3R3MCR1GB	3.3	4 x 5.4	.22	.15	2000	.081
647-UWT1H4R7MC1B	UWT1H4R7MCR1GB	4.7	5 x 5.4	.25	.18	1000	.100
647-UWT1H100MC1B	UWT1H100MCR1GB	10	6.3 x 5.4	.26	.19	1000	.110
647-UWT1H220MC1B	UWT1H220MCR1GB	22	8 x 5.4	.33	.23	1000	.130
647-UWT1H330MC1S	UWT1H330MCR1GS	33	6.3 x 7.7	.36	.26	900	.159
647-UWT1H470MC1S	UWT1H470MCR1GS	47	6.3 x 7.7	.36	.26	900	.159
647-UWT1H101MN1S	UWT1H101MNR1GS	100	8 x 10	.44	.31	500	.200
647-UWT1H221MN1S	UWT1H221MNR1GS	220	10 x 10	.56	.40	500	.260

chicon UUD 105°C LOW IMPEDANCE SMD SERIES

cifications:

- erating temperature range: -55 ~ +105° C
- ltage range : 6.3 ~ 50V
- pacitance range: 0.1~ 1500μF

d Life:

1000 hours, application of rated ge at 105°C, capacitors meet the teristics listed at right.

- Capacitance tolerance: ± 20% at 120Hz/ 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or (3μA), whichever is greater.

Capacitance change	Within ± 25% of initial value
tan δ	200% or less of initial specified value
Leakage current	Initial specified value or less

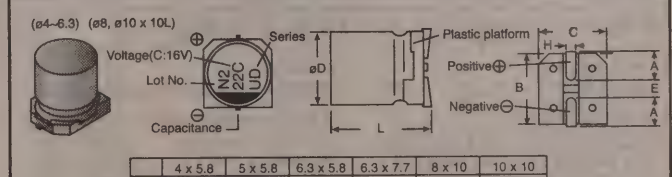
lication note:

igher voltage capacitor may be used in a lower voltage application.

Available in Tape & Reel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Reel Reel Qty.	Tape and Reel Price per Piece
Volt							
-UUD0J470MC	UUD0J470MCR1GS	47	5 x 5.8	.60	.54	1000	.30
-UUD0J101MC	UUD0J101MCR1GS	100	6.3 x 5.8	.65	.59	1000	.33
-UUD0J221MC	UUD0J221MCR1GS	220	6.3 x 5.8	.65	.59	1000	.33
-UUD0J331MC	UUD0J331MCR1GS	330	6.3 x 7.7	.65	.59	900	.33
-UUD0J102MN	UUD0J102MNR1GS	1000	8 x 10	.83	.75	500	.66
-UUD0J152MN	UUD0J152MNR1GS	1500	10 x 10	.90	.81	500	.72
Volt							
-UUD1A220MC	UUD1A220MCR1GS	22	4 x 5.8	.54	.48	2000	.22
-UUD1A680MC	UUD1A680MCR1GS	68	6.3 x 5.8	.65	.59	1000	.33
-UUD1A101MC	UUD1A101MCR1GS	100	6.3 x 5.8	.65	.59	1000	.33
-UUD1A471MN	UUD1A471MNR1GS	470	8 x 10	.83	.75	500	.66
-UUD1A102MN	UUD1A102MNR1GS	1000	10 x 10	.90	.81	500	.72
Volt							
-UUD1C470MC	UUD1C470MCR1GS	47	6.3 x 5.8	.65	.59	1000	.33
-UUD1C101MC	UUD1C101MCR1GS	100	6.3 x 5.8	.65	.59	1000	.33
-UUD1C221MC	UUD1C221MCR1GS	220	6.3 x 7.7	.69	.62	900	.35
-UUD1C331MN	UUD1C331MNR1GS	330	8 x 10	.83	.75	500	.66
-UUD1C471MN	UUD1C471MNR1GS	470	8 x 10	.83	.75	500	.66
-UUD1C681MN	UUD1C681MNR1GS	680	10 x 10	.90	.81	500	.72
Volt							
-UUD1E100MC	UUD1E100MCR1GS	10	4 x 5.8	.54	.48	2000	.22
-UUD1E220MC	UUD1E220MCR1GS	22	5 x 5.8	.60	.54	1000	.30
-UUD1E330MC	UUD1E330MCR1GS	33	6.3 x 5.8	.65	.59	1000	.33
-UUD1E470MC	UUD1E470MCR1GS	47	6.3 x 5.8	.65	.59	1000	.33
-UUD1E680MC	UUD1E680MCR1GS	68	6.3 x 5.8	.65	.59	1000	.33
-UUD1E101MC	UUD1E101MCR1GS	100	6.3 x 7.7	.69	.62	900	.35
-UUD1E221MN	UUD1E221MNR1GS	220	8 x 10	.83	.75	500	.66



	4 x 5.8	5 x 5.8	6.3 x 5.8	6.3 x 7.7	8 x 10	10 x 10
A	1.8	2.1	2.4	2.4	2.9	3.2
B	4.3	5.3	6.6	6.6	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	10.3
E	1.0	1.3	2.2	2.2	3.1	4.5
L	5.8	5.8	5.8	7.7	10	10
H	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 1.1	0.5 ~ 1.1

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Reel Reel Qty.	Tape and Reel Price per Piece
25 Volt (cont.)							
647-UUD1E331MN	UUD1E331MNR1GS	330	8 x 10	.83	.75	500	.66
647-UUD1E471MN	UUD1E471MNR1GS	470	10 x 10	.90	.81	500	.72
35 Volt							
647-UUD1V4R7MC	UUD1V4R7MCR1GS	4.7	4 x 5.8	.54	.48	2000	.22
647-UUD1V100MC	UUD1V100MCR1GS	10	5 x 5.8	.60	.54	1000	.30
647-UUD1V220MC	UUD1V220MCR1GS	22	5 x 5.8	.60	.54	1000	.30
647-UUD1V330MC	UUD1V330MCR1GS	33	6.3 x 5.8	.65	.59	1000	.33
647-UUD1V470MC	UUD1V470MCR1GS	47	6.3 x 5.8	.65	.59	1000	.33
647-UUD1V680MC	UUD1V680MCR1GS	68	6.3 x 7.7	.69	.62	900	.35
647-UUD1V101MN	UUD1V101MNR1GS	100	8 x 10	.83	.75	500	.66
647-UUD1V221MN	UUD1V221MNR1GS	220	8 x 10	.83	.75	500	.66
647-UUD1V331MN	UUD1V331MNR1GS	330	10 x 10	.90	.81	500	.72
50 Volt							
647-UUD1H010MC	UUD1H010MCR1GS	1.0	4 x 5.8	.54	.48	2000	.22
647-UUD1H2R2MC	UUD1H2R2MCR1GS	2.2	4 x 5.8	.54	.48	2000	.22
647-UUD1H3R3MC	UUD1H3R3MCR1GS	3.3	4 x 5.8	.54	.48	2000	.22
647-UUD1H100MC	UUD1H100MCR1GS	10	6.3 x 5.8	.65	.59	1000	.33
647-UUD1H220MC	UUD1H220MCR1GS	22	6.3 x 5.8	.65	.59	1000	.33
647-UUD1H330MC	UUD1H330MCR1GS	33	6.3 X 7.7	.69	.62	900	.35
647-UUD1H470MC	UUD1H470MCR1GS	47	6.3 x 7.7	.69	.62	900	.35
647-UUD1H680MN	UUD1H680MNR1GS	68	8 x 10	.83	.75	500	.66
647-UUD1H101MN	UUD1H101MNR1GS	100	8 x 10	.83	.75	500	.66
647-UUD1H221MN	UUD1H221MNR1GS	220	10 x 10	.90	.81	500	.72

nichicon UWX 85°C SMD GENERAL PURPOSE SERIES

Specifications:

- Operating Temperature Range: -40°C ~ +85°C
- Voltage Range: UWP 4V ~ 50V
- Capacitance Range: 0.1 ~ 330µF
- Capacitance Tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3µA, which ever is greater.

Features:

- Designed for surface mounting on a high density PC board
- SMD type with 5.5mm height

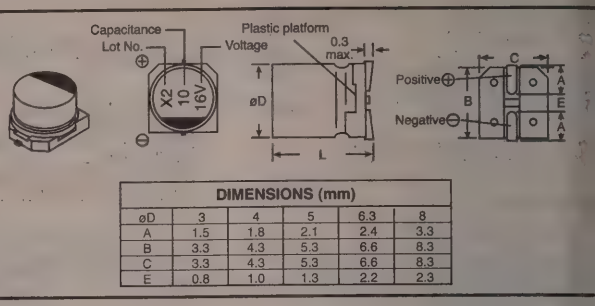
Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

Load Life:

After 2000 hours application of rated voltage at 85°C the capacitors meet the characteristics listed at right.

Capacitance change	Within ±20% of initial value (±25% for 4V)
tan δ	Initial specified value or less
Leakage current	Initial specified value or less



DIMENSIONS (mm)					
øD	3	4	5	6.3	8
A	1.5	1.8	2.1	2.4	3.3
B	3.3	4.3	5.3	6.6	8.3
C	3.3	4.3	5.3	6.6	8.3
E	0.8	1.0	1.3	2.2	2.3

Available in Tape & Reel
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Reel Reel Qty.	Tape and Reel Price per Piece
4 Volt							
647-UWX0G220MCR2	UWX0G220MCR2GB	22	3 X 5.4	.23	.16	2000	.09
647-UWX0G330MCR1	UWX0G330MCR1GB	33	4 X 5.4	.23	.16	2000	.09
647-UWX0G470MCR1	UWX0G470MCR1GB	47	4 X 5.4	.23	.16	2000	.09
647-UWX0G101MCR1	UWX0G101MCR1GB	100	5 X 5.4	.26	.17	1000	.10
647-UWX0G221MCR1	UWX0G221MCR1GB	220	6.3 X 5.4	.28	.19	1000	.11
6.3 Volt							
647-UWX0J220MCR2	UWX0J220MCR2GB	22	3 X 5.4	.23	.16	2000	.09
647-UWX0J220MCR1	UWX0J220MCR1GB	22	4 X 5.4	.23	.16	2000	.09
647-UWX0J330MCR1	UWX0J330MCR1GB	33	5 X 5.4	.26	.17	1000	.10
647-UWX0J470MCR1	UWX0J470MCR1GB	47	5 X 5.4	.26	.17	1000	.10
647-UWX0J101MCR1	UWX0J101MCR1GB	100	6.3 X 5.4	.28	.19	1000	.11
647-UWX0J221MCR1	UWX0J221MCR1GB	220	8 X 5.4	.28	.19	1000	.11
647-UWX0J331MCR1	UWX0J331MCR1GB	330	8 X 5.4	.32	.22	1000	.12
10 Volt							
647-UWX1A220MCR1	UWX1A220MCR1GB	22	5 X 5.4	.26	.17	1000	.10
647-UWX1A330MCR1	UWX1A330MCR1GB	33	5 X 5.4	.26	.17	1000	.10
647-UWX1A470MCR1	UWX1A470MCR1GB	47	6.3 X 5.4	.28	.19	1000	.11
647-UWX1A101MCR1	UWX1A101MCR1GB	100	6.3 X 5.4	.28	.19	1000	.11
647-UWX1A221MCR1	UWX1A221MCR1GB	220	8 X 5.4	.32	.22	1000	.12
16 Volt							
647-UWX1C100MCR2	UWX1C100MCR2GB	10	3 X 5.4	.23	.16	2000	.09
647-UWX1C100MCR1	UWX1C100MCR1GB	10	4 X 5.4	.23	.16	2000	.09
647-UWX1C220MCR1	UWX1C220MCR1GB	22	5 X 5.4	.26	.17	1000	.10
647-UWX1C330MCR1	UWX1C330MCR1GB	33	6.3 X 5.4	.28	.19	1000	.11
647-UWX1C470MCR1	UWX1C470MCR1GB	47	6.3 X 5.4	.28	.19	1000	.11
647-UWX1C101MCR1	UWX1C101MCR1GB	100	6.3 X 5.4	.28	.19	1000	.11
25 Volt							
647-UWX1E4R7MCR2	UWX1E4R7MCR2GB	4.7	3 X 5.4	.23	.16	2000	.09
647-UWX1E4R7MCR1	UWX1E4R7MCR1GB	4.7	4 X 5.4	.23	.16	2000	.09
647-UWX1E100MCR1	UWX1E100MCR1GB	10	5 X 5.4	.26	.17	1000	.10
647-UWX1E220MCR1	UWX1E220MCR1GB	22	6.3 X 5.4	.28	.19	1000	.11

Available in Tape & R
For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Ree Reel Qty.	Tape and Ree Price p Piece
25 Volt (cont.)							
647-UWX1E330MCR1	UWX1E330MCR1GB	33	6.3 X 5.4	.28	.19	1000	.11
647-UWX1E101MCR1	UWX1E101MCR1GB	100	8 X 5.4	.32	.22	1000	.12
35 Volt							
647-UWX1V2R2MCR2	UWX1V2R2MCR2GB	2.2	3 X 5.4	.23	.16	2000	.09
647-UWX1V3R3MCR2	UWX1V3R3MCR2GB	3.3	3 X 5.4	.23	.16	2000	.09
647-UWX1V4R7MCR1	UWX1V4R7MCR1GB	4.7	4 X 5.4	.23	.16	2000	.09
647-UWX1V100MCR1	UWX1V100MCR1GB	10	5 X 5.4	.26	.17	1000	.10
647-UWX1V220MCR1	UWX1V220MCR1GB	22	6.3 X 5.4	.28	.14	1000	.11
647-UWX1V330MCR1	UWX1V330MCR1GB	33	8 X 5.4	.32	.22	1000	.12
647-UWX1V470MCR1	UWX1V470MCR1GB	47	8 X 5.4	.32	.22	1000	.12
50 Volt							
647-UWX1H0R1MCR2	UWX1H0R1MCR2GB	0.1	3 X 5.4	.23	.16	2000	.09
647-UWX1H0R1MCR1	UWX1H0R1MCR1GB	0.1	4 X 5.4	.23	.16	2000	.09
647-UWX1HR22MCR2	UWX1HR22MCR2GB	0.22	3 X 5.4	.23	.16	2000	.09
647-UWX1HR22MCR1	UWX1HR22MCR1GB	0.22	4 X 5.4	.23	.16	2000	.09
647-UWX1HR33MCR2	UWX1HR33MCR2GB	0.33	3 X 5.4	.23	.16	2000	.09
647-UWX1HR33MCR1	UWX1HR33MCR1GB	0.33	4 X 5.4	.23	.16	2000	.09
647-UWX1HR47MCR2	UWX1HR47MCR2GB	0.47	3 X 5.4	.23	.16	2000	.09
647-UWX1HR47MCR1	UWX1HR47MCR1GB	0.47	4 X 5.4	.23	.16	2000	.09
647-UWX1H010MCR2	UWX1H010MCR2GB	1	3 X 5.4	.23	.16	2000	.09
647-UWX1H010MCR1	UWX1H010MCR1GB	1	4 X 5.4	.23	.16	2000	.09
647-UWX1H2R2MCR2	UWX1H2R2MCR2GB	2.2	3 X 5.4	.23	.16	2000	.09
647-UWX1H2R2MCR1	UWX1H2R2MCR1GB	2.2	4 X 5.4	.23	.16	2000	.09
647-UWX1H3R3MCR1	UWX1H3R3MCR1GB	3.3	4 X 5.4	.23	.16	2000	.09
647-UWX1H4R7MCR1	UWX1H4R7MCR1GB	4.7	5 X 5.4	.26	.17	1000	.10
647-UWX1H100MCR1	UWX1H100MCR1GB	10	6.3 X 5.4	.28	.19	1000	.11
647-UWX1H220MCR1	UWX1H220MCR1GB	22	8 X 5.4	.32	.22	1000	.12
647-UWX1H330MCR1	UWX1H330MCR1GB	33	8 X 5.4	.32	.22	1000	.12

nichicon UWP 85°C BI-POLAR SMD SERIES

Specifications:

- Operating Temperature Range: -40°C ~ +85°C
- Voltage Range: UWP: 6.3V ~ 50V
- Capacitance Range: 0.1 ~ 330µF
- Capacitance Tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.05CV or 10µA, which ever is greater.

Features:

- Designed for surface mounting on a high density PC board
- SMD type with 5.5mm height

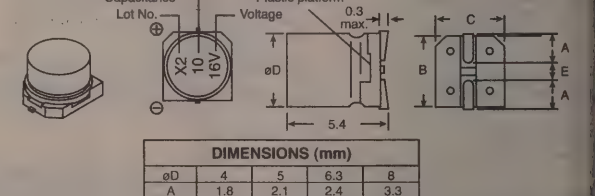
Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

Load Life:

After 1000 hours application of rated voltage at 85°C with the polarity inverted every 250 hours, capacitors meet the characteristics listed at right.

Capacitance change	Within ±20% of initial value (±25% for 4V)
tan δ	200% or less of initial specified value
Leakage current	Initial specified value or less



DIMENSIONS (mm)				
øD	4	5	6.3	8
A	1.8	2.1	2.4	3.3
B	4.3	5.3	6.6	8.3
C	4.3	5.3	6.6	8.3
E	1.0	1.3	2.2	2.3

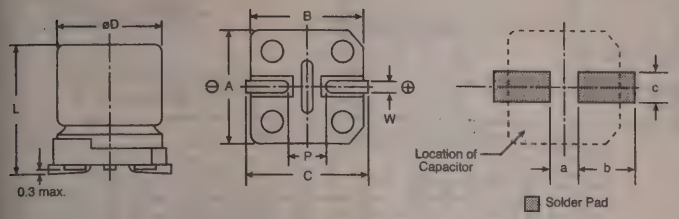
Available in Tape & Reel
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Reel Reel Qty.	Tape and Reel Price per Piece
6.3 Volt							
647-UWP0J220M	UWP0J220MCR1GB	22	5 X 5.4	.45	.34	1000	.22
647-UWP0J330M	UWP0J330MCR1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP0J470M	UWP0J470MCR1GB	47	6.3 X 5.4	.47	.35	1000	.23
647-UWP0J101M	UWP0J101MCR1GB	100	8 X 5.4	.48	.36	1000	.24
10 Volt							
647-UWP1A100M	UWP1A100MCR1GB	10	4 X 5.4	.39	.29	2000	.19
647-UWP1A220M	UWP1A220MCR1GB	22	6.3 X 5.4	.47	.35	1000	.23
647-UWP1A330M	UWP1A330MCR1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP1A470M	UWP1A470MCR1GB	47	8 X 5.4	.48	.36	1000	.24
16 Volt							
647-UWP1C4R7M	UWP1C4R7MCR1GB	4.7	4 X 5.4	.39	.29	2000	.19
647-UWP1C100M	UWP1C100MCR1GB	10	5 X 5.4	.45	.34	1000	.22
647-UWP1C220M	UWP1C220MCR1GB	22	6.3 X 5.4	.47	.35	1000	.23
647-UWP1C330M	UWP1C330MCR1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP1C470M	UWP1C470MCR1GB	47	8 X 5.4	.48	.36	1000	.24
25 Volt							
647-UWP1E3R3M	UWP1E3R3MCR1GB	3.3	5 X 5.4	.39	.29	1000	.20
647-UWP1E4R7M	UWP1E4R7MCR1GB	4.7	5 X 5.4	.45	.34	1000	.22

Available in Tape & R
For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each 1	Price Each 100	Tape and Ree Reel Qty.	Tape and Ree Price Piec
25 Volt (cont.)							
647-UWP1E100M	UWP1E100MCR1GB	10	6.3 X 5.4	.47	.35	1000	.23
647-UWP1E220M	UWP1E220MCR1GB	22	8 X 5.4	.48	.36	1000	.24
647-UWP1E330M	UWP1E330MCR1GB	33	8 X 5.4	.48	.36	1000	.24
35 Volt							
647-UWP1V2R2M	UWP1V2R2MCR1GB	2.2	4 X 5.4	.43	.32	2000	.21
647-UWP1V3R3M	UWP1V3R3MCR1GB	3.3	5 X 5.4	.45	.34	1000	.22
647-UWP1V4R7M	UWP1V4R7MCR1GB	4.7	5 X 5.4	.45	.34	1000	.22
647-UWP1V100M	UWP1V100MCR1GB	10	6.3 X 5.4	.47	.35	1000	.23
647-UWP1V220M	UWP1V220MCR1GB	22	8 X 5.4	.48	.36	1000	.24
50 Volt							
647-UWP1H0R1M	UWP1H0R1MCR1GB	0.1	4 X 5.4	.39	.29	2000	.19
647-UWP1HR22M	UWP1HR22MCR1GB	0.22	4 X 5.4	.39	.29	2000	.19
647-UWP1HR33M	UWP1HR33MCR1GB	0.33	4 X 5.4	.39	.29	2000	.19
647-UWP1HR47M	UWP1HR47MCR1GB	0.47	4 X 5.4	.39	.29	2000	.19
647-UWP1H010M	UWP1H010MCR1GB	1	4 X 5.4	.39	.29	2000	.19
647-UWP1H2R2M	UWP1H2R2MCR1GB	2.2	5 X 5.4	.45	.34	1000	.22
647-UWP1H3R3M	UWP1H3R3MCR1GB	3.3	5 X 5.4	.45	.34	1000	.22
647-UWP1H4R7M	UWP1H4R7MCR1GB	4.7	6.3 X 5.4	.47	.35	1000	.23
647-UWP1H100M	UWP1H100MCR1GB	10	8 X 5.4	.48	.36	1000	.24

UNITED CHEMI-CON Aluminum Electrolytic Capacitors



Case and Solder Pad Dimensions for MKA Series

Case Code	øD ±0.5	L	A ±0.2	B ±0.2	C ±0.2	W	P	a	b	c
D55	ø4	5.2±0.3	4.3	4.3	5.1	0.5-0.8	1.0	1.0	2.6	1.6
E55	ø5	5.2±0.3	5.3	5.3	5.9	0.5-0.8	1.4	1.4	3.0	1.6
F55	ø6.3	5.2±0.3	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
F80	ø6.3	7.7±0.3	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
H63	ø8	6.3±0.5	8.3	8.3	9.0	0.5-0.8	2.3	2.3	4.5	1.6
H10	ø8	10±0.5	8.3	8.3	9.0	0.7-1.1	3.1	3.1	4.2	2.2
J10	ø10	10±0.5	10.3	10.3	11.0	0.7-1.1	4.5	4.5	4.4	2.2

Case and Solder Pad Dimensions for MV/MVK Series

Case Code	øD ±0.5	L	A ±0.2	B ±0.2	C ±0.2	W	P	a	b	c
B55	ø3	5.2±0.3	3.3	3.3	3.7	0.45-0.75	0.8	0.8	2.2	1.6
D55	ø4	5.2±0.3	4.3	4.3	5.1	0.5-0.8	1.0	1.0	2.6	1.6
E55	ø5	5.2±0.3	5.3	6.3	5.9	0.5-0.8	1.4	1.4	3.0	1.6
F55	ø6.3	5.2±0.3	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
F60	ø6.3	5.7±0.3	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
8x6	ø8	6.3±0.5	8.3	8.3	9.0	0.5-0.8	2.3	2.3	4.5	1.6
8x10	ø8	10±0.5	8.3	8.3	9.0	0.7-1.1	3.1	3.1	4.2	2.2
10x10	ø10	10±0.5	10.3	10.3	11.0	0.7-1.1	4.5	4.5	4.4	2.2

MKA SERIES SMD CAPACITORS

LEAD-FREE

ecifications:

)perating Temperature Range: -40°C to +105°C
'oltage Range: 6.3 to 50VDC
:apacitance Range: 0.1 to 1,000uF
:apacitance Tolerance: +/- 20% at +20°C, 120Hz
lated Lifetime: 1000-2000 hours depending on case size
eakage Current: .01CV or 3μA,whichever is greater, after 2 minutes at +20°C

Features:

- Solvent proof
- Designed for lead free, high temperature reflow soldering

5°C SMD (Lead Free)

3 Volt

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	100	500	1000
1-MKA6.3V22RM	MKA6.3VC22RMD55TP	22	4 x 5.2	.16	.14	.13	.11
1-MKA6.3VC47RM	MKA6.3VC47RME55TP	47	5 x 5.2	.18	.16	.15	.12
1-MKA6.3VC101M	MKA6.3VC101MF55TP	100	6.3 x 5.2	.23	.20	.19	.15
1-MKA6.3VC331M	MKA6.3VC331MH10TP	330	8 x 10	.38	.34	.31	.26
1-MKA6.3VC102M	MKA6.3VC102MJ10TP	1,000	10 x 10	.63	.56	.52	.42

Volt

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	100	500	1000
1-MKA10VC33RM	MKA10VC33RME55TP	33	5 x 5.2	.18	.16	.15	.12
1-MKA10VC101M	MKA10VC101MF80TP	100	6.3 x 7.7	.28	.25	.23	.19
1-MKA10VC221M	MKA10VC221MH10TP	220	8 x 10	.35	.31	.28	.23

Volt

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	100	500	1000
1-MKA16VC10RM	MKA16VC10RMD55TP	10	4 x 5.2	.38	.34	.31	.26
1-MKA16VC22RM	MKA16VC22RME55TP	22	5 x 5.2	.16	.14	.13	.11
1-MKA16VC47RM	MKA16VC47RMF55TP	47	6.3 x 5.2	.18	.16	.15	.12
1-MKA16VC471M	MKA16VC471MJ10TP	470	10 x 10	.63	.56	.52	.42

Volt

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	100	500	1000
1-MKA25VC33RM	MKA25VC33RMF55TP	33	6.3 x 5.2	.23	.20	.19	.15
1-MKA25VC47RM	MKA25VC47RMF80TP	47	6.3 x 7.7	.28	.25	.23	.19
1-MKA25VC101M	MKA25VC101MH10TP	100	8 x 10	.38	.34	.31	.26
1-MKA25VC331M	MKA25VC331MJ10TP	330	10 x 10	.63	.56	.52	.42

Volt

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	100	500	1000
1-MKA35VC4R7M	MKA35VC4R7MD55TP	4.7	4 x 5.2	.16	.14	.13	.11
1-MKA35VC10RM	MKA35VC10RME55TP	10	5 x 5.2	.18	.16	.15	.12
1-MKA35VC22RM	MKA35VC22RMF55TP	22	6.3 x 5.2	.23	.20	.19	.15
1-MKA35VC33RM	MKA35VC33RMF80TP	33	6.3 x 7.7	.28	.25	.23	.19
1-MKA35VC221M	MKA35VC221MJ10TP	220	10 x 10	.63	.56	.52	.42

Volt

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	100	500	1000
1-MKA50VCR10M	MKA50VCR10MD55TP	0.1	4 x 5.2	.16	.14	.13	.11
1-MKA50VCR22M	MKA50VCR22MD55TP	0.22	4 x 5.2	.16	.14	.13	.11
1-MKA50VCR33M	MKA50VCR33MD55TP	0.33	4 x 5.2	.16	.14	.13	.11
1-MKA50VCR47M	MKA50VCR47MD55TP	0.47	4 x 5.2	.16	.14	.13	.11
1-MKA50VC1R0M	MKA50VC1R0MD55TP	1	4 x 5.2	.16	.14	.13	.11
1-MKA50VC2R2M	MKA50VC2R2MD55TP	2.2	4 x 5.2	.16	.14	.13	.11
1-MKA50VC3R3M	MKA50VC3R3MD55TP	3.3	4 x 5.2	.16	.14	.13	.11
1-MKA50VC4R7M	MKA50VC4R7ME55TP	4.7	5 x 5.2	.18	.16	.15	.12
1-MKA50VC10RM	MKA50VC10RMF55TP	10	6.3 x 5.2	.23	.20	.19	.15
1-MKA50VC22RM	MKA50VC22RMF80TP	22	6.3 x 7.7	.28	.25	.23	.19
1-MKA50VC33RM	MKA50VC33RMH10TP	33	8 x 10	.38	.34	.31	.26
1-MKA50VC47RM	MKA50VC47RMH10TP	47	8 x 10	.38	.34	.31	.26
1-MKA50VC101M	MKA50VC101MJ10TP	100	10 x 10	.63	.56	.52	.42

MV/MVK SERIES SMD CAPACITORS

The MV and MVK series are the standard vertical chip capacitors designed for reflow soldering.
The maximum height for most of these capacitors is 5.5mm, making them ideal for use in low profile situations.

Specifications:

- Operating Temperature Range: -40°C to +85°C for MV Series, -40°C to +105°C for MVK Series
- Voltage Range: 4 to 63VDC for MV Series
- Voltage Range: 6.3 to 50VDC for MVK Series

Features:

- Capacitance Range: 0.1 to 1,000uF
- Capacitance Tolerance: +/- 20% at +20°C, 120Hz
- Rated Lifetime: 1000-2000 hours depending on case size

MV 85° SMD Series

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each 1	100	500	1000
6.3 Volts							
661-MV6.3VC101MF55TP	MV6.3VC101MF55TP	100	6.3 X 5.2	.27	.22	.20	.15
661-MV6.3VC471MTP	MV6.3VC471M8X10TP	470	8 X 10	.43	.36	.32	.24
10 Volts							
661-MV10VC101M	MV10VC101MF60TP	100	6.3 X 5.7	.22	.18	.16	.12
16 Volts							
661-MV16VC10RM	MV16VC10RMD55TP	10	4 X 5.2	.17	.14	.13	.10
661-MV16VC22RM	MV16VC22RME55TP	22	5 X 5.2	.24	.20	.18	.13
661-MV16VC47RMF55TP	MV16VC47RMF55TP	47	6.3 X 5.2	.27	.22	.20	.15
661-MV16VC68RM	MV16VC68RMF60TP	68	6.3 X 5.7	.27	.22	.20	.15
661-MV16VC101MF55TP	MV16VC101MF55TP	100	6.3 X 5.2	.27	.22	.20	.15
661-MV16VC221M	MV16VC221M8X10TP	220	8 X 10	.43	.36	.32	.24
661-MV16VC331M8X10TP	MV16VC331M8X10TP	330	8 X 10	.56	.46	.42	.31
661-MV16VC471M	MV16VC471M10X10TP	470	10 X 10	.74	.62	.56	.41
25 Volts							
661-MV25VC4R7MB55TP	MV25VC4R7MB55TP	4.7	3 X 5.2	.25	.21	.19	.14
661-MV25VC22RM	MV25VC22RMF55TP	22	6.3 X 5.2	.27	.22	.20	.15
661-MV25VC33RM	MV25VC33RMF55TP	33	6.3 X 5.2	.24	.20	.18	.13
661-MV25VC47RM	MV25VC47RMF60TP	47	6.3 X 5.7	.27	.22	.20	.15
661-MV25VC101M	MV25VC101M8X6TP	100	8 X 6	.28	.24	.21	.16
35 Volts							
661-MV35VC10RME55TP	MV35VC10RME55TP	10	5 X 5.2	.24	.20	.18	.13
661-MV35VC22RM	MV35VC22RMF55TP	22	6.3 X 5.2	.27	.22	.20	.15
661-MV35VC47RM	MV35VC47RM8X6TP	47	8 X 6	.31	.26	.23	.17
50 Volts							
661-MV50VC1R0M	MV50VC1R0MB55TP	1	3 X 5.2	.19	.15	.14	.10
661-MV50VC2R2M	MV50VC2R2MD55TP	2.2	4 X 5.2	.20	.17	.15	.11
661-MV50VC10RM	MV50VC10RMF55TP	10	6.3 X 5.2	.27	.22	.20	.15
661-MV50VC101M	MV50VC101M10X10TP	100	10 X 10	1.57	1.31	1.18	.86

MVK 105° SMD Series

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D X L (mm)	Price Each 1	100	500	1000
6.3 Volts							
661-MVK6.3VC331M	MVK6.3VC331M8X10TP	330	8 X 10	.59	.49	.44	.32
10 Volt							
661-MVK10VC33RME55TP	MVK10VC33RME55TP	33	5x5.2	.28	.24	.21	.16
661-MVK10VC101M	MVK10VC101M8X6TP	100	8x6	.50	.42	.38	.28
16 Volts							
661-MVK16VC10RMD55TP	MVK16VC10RMD55TP	10	4 X 5.2	.24	.20	.18	.13
661-MVK16VC47RMF55TP	MVK16VC47RMF55TP	47	6.3 X 5.2	.27	.23	.20	.15
25 Volts							
661-MVK25VC33RMF55TP	MVK25VC33RMF55TP	33	6.3 X 5.2	.27	.23	.20	.15
661-MVK25VC47RM	MVK25VC47RM8X6TP	47	8X6.3	.27	.23	.20	.15
661-MVK25VC101M	MVK25VC101M8X10TP	100	8 X 10	.42	.35	.32	.23
661-MVK25VC331M	MVK25VC331M10X10TP	330	10X10	.74	.62	.56	.41
35 Volts							
661-MVK35VC22RMF60TP	MVK35VC22RMF60TPX	22	6.3 X 5.7	.27	.23	.20	.15
661-MVK35VC33RM	MVK35VC33RM8X6TP	33	8 X 6	.34	.28	.26	.19
661-MVK35VC47RM	MVK35VC47RM8X10TP	47	8 X 10	.48	.40	.36	.26
661-MVK35VC101MTP	MVK35VC101M10X10TP	100	10 X 10	.74	.62	.56	.41
661-MVK35VC221MTP	MVK35VC221M10X10TP	220	10 X 10	.74	.62	.56	.41
50 Volts							
661-MVK50VC1R0M	MVK50VC1R0MD55TP	1	4 X 5.2	.22	.18	.16	.12
661-MVK50VC2R2M	MVK50VC2R2MD55TP	2.2	4 X 5.2	.22	.18	.16	.12
661-MVK50VC3R3M	MVK50VC3R3MD55TP	3.3	4 X 5.2	.25	.21	.19	.14
661-MVK50VC10RM	MVK50VC10RMF55TP	10	6.3 X 5.2	.24	.20	.18	.13
661-MVK50VC47RM8X10T	MVK50VC47RM8X10TP	47	8 X 10	.48	.40	.36	.26
661-MVK50VC101M10X10	MVK50VC101M10X10TP	100	10 X 10	.74	.62	.56	.41

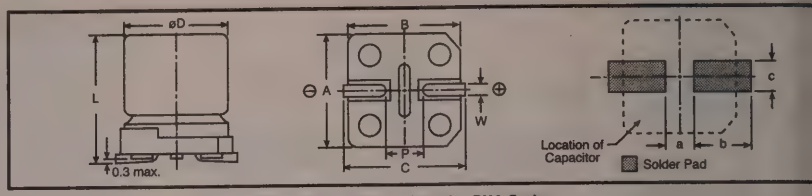
UNITED CHEMI-CON Polymer Aluminum Capacitors

UCC PXA 105°C SMD SOLID POLYMER ALUMINUM SERIES (LEAD FREE)

The PXA series are suitable for DC-DC converters, voltage and decoupling applications used in computer equipment.

Specifications:
- Operating Temperature : -55°C to +105°C
- Voltage Range: 6.3 to 25VDC
- Capacitance Range: 10 to 820uF
- Capacitance Tolerance: ± 20%
- Rated Lifetime: 2000 hours

Features:
- Solvent proof
- Designed for reflow soldering
- Ultra low ESR



LEAD-FREE

Case and Solder Pad Dimensions for PXA Series

Case Code	øD ±0.5	L ±0.3	A ±0.2	B ±0.2	C ±0.2	W	P	a	b	c
E60	Ø5	5.7	5.3	5.3	5.9	0.5-0.8	1.4	1.4	3.0	1.6
F55	Ø6.3	5.2	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
F60	Ø6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.8
H70	Ø8	6.7	8.3	8.3	9.0	0.7-1.1	3.1	3.1	4.2	2.2
H12	Ø8	12	8.3	8.3	9.0	0.7-1.1	3.1	3.1	4.2	2.2
J80	Ø10	7.7	10.3	10.3	11.0	0.7-1.1	4.5	4.5	4.4	2.2
J12	Ø10	12.2	10.3	10.3	11.0	0.7-1.1	4.5	4.5	4.4	2.2

PXA Series — For quantities 200 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Case Sz D x L (mm)	Max ESR (MΩ)@20°C 100 k-300kHz	Price Each 1	50	100
6.3 Volts							
661-PXA6.3VC68RM	PXA6.3VC68RMF60TP	68	6.3X5.7	27	.82	.77	.66
661-PXA6.3VC82RM	PXA6.3VC82RMF60TP	82	6.3X5.2	27	.82	.77	.66
661-PXA6.3VC101M	PXA6.3VC101MF60TP	100	6.3X5.7	27	.76	.72	.62
661-PXA6.3VC121M	PXA6.3VC121MF60TP	120	6.3X5.7	27	.82	.77	.66
661-PXA6.3VC151M	PXA6.3VC151MH70TP	150	8X6.7	25	1.05	.98	.85
661-PXA6.3VC221M	PXA6.3VC221MH70TP	220	8X6.7	25	1.05	.98	.85
661-PXA6.3VC331M	PXA6.3VC331MJ80TP	330	10X7.7	20	1.46	1.37	1.19
661-PXA6.3VC391M	PXA6.3VC391MH12TP	390	8X12	12	1.47	1.38	1.20
661-PXA6.3VC471M	PXA6.3VC471MJ80TP	470	10X7.7	20	1.46	1.37	1.19
661-PXA6.3VC681M	PXA6.3VC681MJ12TP	680	10X12.2	10	1.60	1.50	1.30
661-PXA6.3VC821M	PXA6.3VC821MJ12TP	820	10X12.2	10	2.32	2.18	1.89
10 Volts							
661-PXA10VC47RM	PXA10VC47RMF60TP	47	6.3X5.7	31	.81	.76	.65
661-PXA10VC56RM	PXA10VC56RMF55TP	56	6.3X5.2	31	.82	.77	.66
661-PXA10VC121M	PXA10VC121MH70TP	120	8X6.7	27	1.05	.98	.85
661-PXA10VC151M	PXA10VC151MH70TP	150	8X6.7	27	1.05	.98	.85
661-PXA10VC271MH	PXA10VC271MH12TP	270	8X12	14	1.48	1.39	1.20
661-PXA10VC271M	PXA10VC271MJ80TP	270	10X7.7	24	1.46	1.37	1.19
661-PXA10VC331MH	PXA10VC331MH12TP	330	8X12	12	1.48	1.39	1.20
661-PXA10VC331M	PXA10VC331MJ80TP	330	10X7.7	24	1.46	1.37	1.19

PXA Series (Cont.) — For quantities 200 and up, call for qu

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Case Sz D x L (mm)	Max ESR (MΩ)@20°C 100 k-300kHz	Price Each 1	50	1
10 Volts(continued)							
661-PXA10VC471M	PXA10VC471MJ12TP	470	10X12.2	12	2.24	2.10	1
661-PXA10VC561M	PXA10VC561MJ12TP	560	10X12.2	12	2.40	2.25	1
16 Volts							
661-PXA16VC33RM	PXA16VC33RMF60TP	33	6.3X5.7	37	.82	.77	
661-PXA16VC39RM	PXA16VC39RMF60TP	39	6.3X5.7	37	.81	.76	
661-PXA16VC82RM	PXA16VC82RMH70TP	82	8X6.7	30	1.05	.98	
661-PXA16VC151M	PXA16VC151MJ80TP	150	10X7.7	26	1.46	1.37	1
661-PXA16VC181M	PXA16VC181MJ80TP	180	8X12	16	1.46	1.37	1
661-PXA16VC221M	PXA16VC221MJ12TP	220	10X12.2	14	2.20	2.07	1
661-PXA16VC331M	PXA16VC331MJ12TP	330	10X12.2	14	2.19	2.06	1
20 Volts							
661-PXA20VC22RMF	PXA20VC22RMF55TP	22	6.3X5.2	50	.81	.76	
661-PXA20VC22RM	PXA20VC22RMF60TP	22	6.3X5.7	50	.80	.75	
661-PXA20VC39RM	PXA20VC39RMH70TP	39	8X6.7	45	1.05	.98	
661-PXA20VC47RM	PXA20VC47RMH70TP	47	8X6.7	45	1.05	.98	
661-PXA20VC82RM	PXA20VC82RMJ80TP	82	10X7.7	40	1.46	1.37	1
25 Volts							
661-PXA25VC10RM	PXA25VC10RMF60TP	10	6.3X5.7	65	.81	.76	
661-PXA25VC22RM	PXA25VC22RMH70TP	22	8X6.7	50	1.05	.98	
661-PXA25VC39RM	PXA25VC39RMJ80TP	39	10X7.7	45	1.46	1.37	1

UCC PXC 105°C SMD SOLID POLYMER ALUMINUM SERIES, LOW ESR (LEAD FREE)

Specifications:
- Operating temperature : -55°C to +105°C
- Voltage Range: 2.5 to 16VDC
- Capacitance Range: 27 to 470uF

Features:
- Solvent proof
- Cost effective polymer tantalum replacement
- 20 to 30% lower ESR than PXA series
- Designed for two reflow soldering cycles

LEAD-FREE

Case and Solder Pad Dimensions for PXC Series

Case Code	øD ±0.5	L	A ±0.2	B ±0.2	C ±0.2	W	P	a	b	c
B55	ø3	5.2±0.3	3.3	3.3	3.7	0.45-0.75	0.8	0.8	2.2	1.6

PXC Series — For quantities 200 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Case Sz D x L (mm)	Max ESR (MΩ)@20°C 100 k-300kHz	Price Each 1	50	100
2.5 Volt							
661-PXC2.5VC181M	PXC2.5VC181ME60TP	180	5X5.7	30	.76	.71	.61
661-PXC2.5VC271M	PXC2.5VC271MF60TP	270	6.3X5.7	20	.82	.77	.66
661-PXC2.5VC471M	PXC2.5VC471MH70TP	470	8X6.7	17	1.05	.98	.85
4 Volt							
661-PXC4VC151M	PXC4VC151ME60TP	150	5X5.7	30	.76	.71	.61
661-PXC4VC221M	PXC4VC221MF60TP	220	6.3X5.7	21	.82	.77	.66
661-PXC4VC331M	PXC4VC331MH70TP	330	8X6.7	18	1.05	.98	.85
6.3 Volt							
661-PXC6.3VC101M	PXC6.3VC101ME60TP	100	5X5.7	35	.76	.71	.61
661-PXC6.3VC181M	PXC6.3VC181MF60TP	180	6.3X5.7	22	.82	.77	.66

PXC Series (Cont.) — For quantities 200 and up, call for qu

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Case Sz D x L (mm)	Max ESR (MΩ)@20°C 100 k-300kHz	Price Each 1	50	1
6.3 Volt (Continued)							
661-PXC6.3VC221M	PXC6.3VC221MH70TP	220	8X6.7	18	1.05	.98	
10 Volt							
661-PXC10VC56RM	PXC10VC56RME60TP	56	5X5.7	40	.76	.71	
661-PXC10VC82RM	PXC10VC82RMF60TP	82	6.3X5.7	23	.82	.77	
661-PXC10VC151M	PXC10VC151MH70TP	150	8X6.7	20	1.05	.98	
16 Volt							
661-PXC16VC27RM	PXC16VC27RME60TP	27	5X5.7	45	.76	.71	
661-PXC16VC39RM	PXC16VC39RMF60TP	39	6.3X5.7	25	.82	.77	
661-PXC16VC82RM	PXC16VC82RMH70TP	82	8X6.7	25	1.06	.99	

UCC PSA 105°C RADIAL SOLID POLYMER ALUMINUM SERIES, LOW ESR (LEAD FREE)

The PSA series uses a solid functional polymer as the electrolyte. This polymer technology insures more stable performance and higher reliability over the expected lifetime than normal liquid electrolyte capacitors. PSA capacitors are constructed of lead-free materials that can withstand high temperature lead-free soldering. This series are suitable for use in DC-DC converters, voltage regulators, and decoupling applications and are recommended replacements for OS-CON™ capacitors.

Case Dimensions for PSA Series

Case Code	øD	L	øD max.	L max.	ød	F±
F11	ø6.3	9.8	øD+0.5	L+1.0	0.8	2
H11	ø8	11.5	øD+0.5	L+1.5	0.8	3
J11	ø10	11.5	øD+0.5	L+1.5	0.8	5

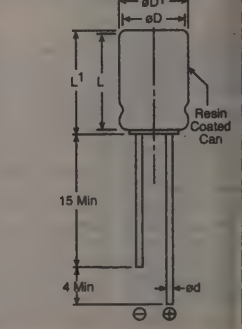
Specifications:
- Temperature range: -55°C to +105°C
- Voltage Range: 2.5 to 10VDC
- Capacitance Range: 27 to 470uF

Features:
- Capacitance Tolerance: ± 20%
- Rated Lifetime: 1000 hours

LEAD-FREE

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Case Sz D x L (mm)	Max ESR (MΩ)@20°C 100k-300kHz	Ripple (mA rms) 105°C/100kHz	Price Each 1	50	100	500	1000
2.5 Volt										
661-PSA2.5VB390M	PSA2.5VB390MF11	390	6.3x9.8	20	3160	.60	.56	.49	.41	.34
661-PSA2.5VB680M	PSA2.5VB680MH11	680	8x11.5	7	5580	.71	.66	.58	.49	.40
661-PSA2.5VB820M	PSA2.5VB820MH11	820	8x11.5	7	5580	.72	.67	.58	.49	.40
661-PSA2.5VB1000M	PSA2.5VB1000MJ11	1000	10x11.5	6	5860	1.09	1.02	.89	.75	.61
4 Volt										
661-PSA4VB270M	PSA4VB270MF11	270	6.3x9.8	20	3160	.60	.56	.49	.41	.34
661-PSA4VB390M	PSA4VB390MF11	390	6.3x9.8	24	3300	.60	.56	.49	.41	.34
661-PSA4VB560M	PSA4VB560MH11	560	8x11.5	7	5580	.71	.66	.58	.49	.40
661-PSA4VB820M	PSA4VB820MJ11	820	10x11.5	6	5860	1.06	1.00	.86	.73	.60
6.3 Volt										
661-PSA6.3VB220M	PSA6.3VB220MF11	220	6.3x9.8	20	3160	.60	.56	.49	.41	.34
661-PSA6.3VB330M	PSA6.3VB330MF11	330	6.3x9.8	28	3190	.60	.56	.49	.41	.34
661-PSA6.3VB390M	PSA6.3VB390MH11	390	8x11.5	8	5080	.71	.66	.58	.49	.40
661-PSA6.3VB680M	PSA6.3VB680MH11	680	10x11.5	7	5860	1.09	1.02	.89	.75	.61
10 Volt										
661-PSA10VB47M	PSA10VB47MF11	47	6.3x9.8	25	2820	.60	.56	.49	.41	.34
661-PSA10VB68M	PSA10VB68MF11	68	6.3x9.8	25	2820	.60	.56	.49	.41	.34
661-PSA10VB100M	PSA10VB100MF11	100	6.3x9.8	25	2820	.60	.56	.49	.41	.34
661-PSA10VB270M	PSA10VB270MH11	270	8x11.5	9	4710	.72	.67	.58	.50	.40
661-PSA10VB470M	PSA10VB470MJ11	470	10x11.5	8	5650	1.09	1.02	.89	.75	.61



CORNELL DUBILIER Aluminum Electrolytic Capacitors

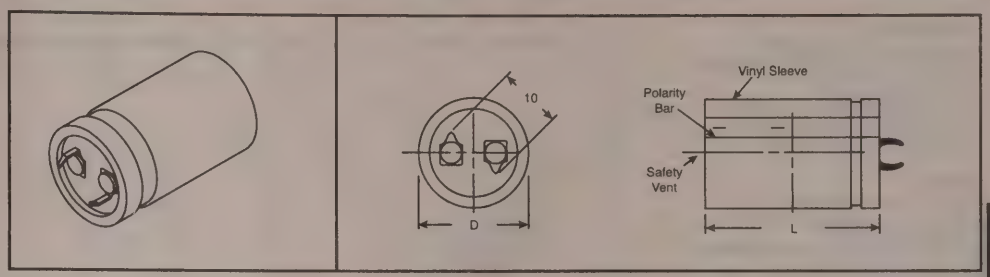
CDE CORNELL DUBILIER

80LQ, 85°C SERIES - SNAP MOUNT HIGH RIPPLE ALUMINUM ELECTROLYTICS

DIMENSIONS: mm

Specifications:
- Voltage rating: 200VDC to 450VDC
- Operating temperature: <250V: -40°C to +85°C; 350V: -25°C to +85°C
- Capacitance Tolerance: 20%
- Life test: 2000 hours @ +85°C at full load
- Leakage Current: ≤ 3 √ CV μA at 5 min.

Features:
- More capacitance per case size
- Average of 27% smaller and more than 10mm shorter than Type 380LX
- Approaching the capability of the 380LX, the 380LQ enables you to shrink equipment size and retain the original performance



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 380LQ	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each 1	10	25
200 WVDC							
5985-380-200V471	471M200H022	470	1.85	22 x 30	2.45	2.18	1.96
5985-380-200V681	681M200H032	680	2.68	22 x 35	3.11	2.76	2.48
5985-380-200V821	821M200J022	820	2.93	25 x 30	3.47	3.08	2.77
5985-380-200V102	102M200J032	1000	3.25	25 x 35	3.69	3.28	2.95
5985-380-200V122	122M200K022	1200	3.50	30 x 30	4.64	4.12	3.71
5985-380-200V152	152M200K032	1500	3.87	30 x 35	5.36	4.76	4.28
5985-380-200V222	222M200K052	2200	4.92	30 x 50	7.74	6.88	6.19
5985-380-200V272	272M200A052	2700	5.45	35 x 50	9.14	8.12	7.31
250 WVDC							
5985-380-250V331	331M250H022	330	1.75	22 x 30	2.48	2.20	1.98
5985-380-250V471	471M250H032	470	2.11	22 x 35	2.99	2.66	2.39
5985-380-250V561	561M250J022	560	2.25	25 x 30	3.53	3.14	2.83
5985-380-250V681	681M250J032	680	2.50	25 x 35	3.94	3.50	3.15
5985-380-250V821	821M250K022	820	2.77	30 x 30	4.66	4.14	3.73
5985-380-250V102	102M250K032	1000	3.32	30 x 35	5.47	4.86	4.37
5985-380-250V122	122M250A032	1200	3.53	35 x 35	6.59	5.86	5.27
5985-380-250V152	152M250K052	1500	4.04	30 x 50	7.36	6.54	5.89
5985-380-250V222	222M250A052	2200	5.00	35 x 50	10.46	9.30	8.37

For quantities of 50 and up, call for quote.

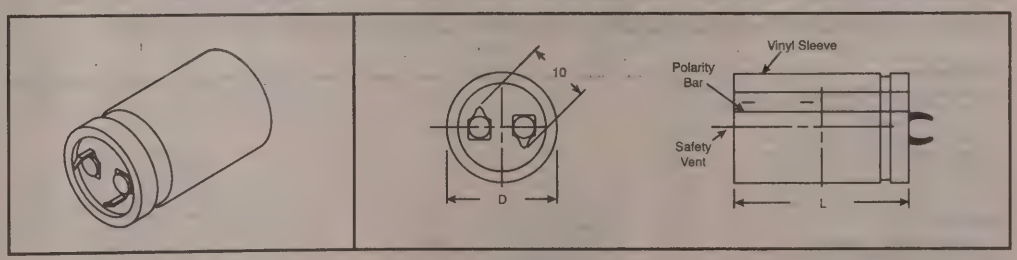
MOUSER STOCK NO.	CDE Type 380LQ	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each 1	10	25
400 WVDC							
5985-380-400V221	221M400J022	220	1.49	25 x 30	3.38	3.00	2.70
5985-380-400V271	271M400K022	270	1.67	30 x 30	3.92	3.48	3.13
5985-380-400V331	331M400K022	330	1.90	30 x 30	4.64	4.12	3.71
5985-380-400V391	391M400K032	390	2.13	30 x 35	5.36	4.76	4.28
5985-380-400V471	471M400K042	470	2.39	30 x 40	6.37	5.66	5.09
5985-380-400V561	561M400A032	560	2.69	35 x 35	6.95	6.18	5.56
5985-380-400V681	681M400K052	680	2.96	30 x 50	8.91	7.92	7.13
5985-380-400V821	821M400A052	820	3.25	35 x 50	9.65	8.58	7.72
450 WVDC							
5985-380-450V121	121M450H022	120	1.04	22 x 30	2.79	2.48	2.23
5985-380-450V221	221M450K022	220	1.55	30 x 30	4.32	3.84	3.46
5985-380-450V271	271M450K022	270	1.78	30 x 30	5.06	4.50	4.05
5985-380-450V331	331M450K042	330	2.01	30 x 40	5.81	5.16	4.64
5985-380-450V391	391M450K042	390	2.24	30 x 40	7.25	6.44	5.80
5985-380-450V471	471M450A042	470	2.53	35 x 40	8.51	7.56	6.80
5985-380-450V561	561M450A452	560	2.82	35 x 45	9.65	8.58	7.72

80LX, 85°C SERIES - SNAP MOUNT ALUMINUM ELECTROLYTICS

DIMENSIONS: mm

Specifications:
- Voltage Rating: 25VDC to 450VDC
- Operating Temperature: <300V: -40°C to +85°C; 350V: -25°C to +85°C
- Capacitance Tolerance: 20%
- Life Test: 3000 hours @ +85°CC at full load
- Leakage Current: ≤ 3 √ CV μA at 5 min.
- MTA Ripple Life: 3000 hours @ 85°C

Features:
- More capacitance per case size
- Ideal for switching power supply input and output circuits and motor drives



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 380LX	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each 1	10	25
16 WVDC							
5985-85-25V6800	682M025H022	6,800	3.50	22 x 30	2.82	2.29	2.03
5985-85-25V10000	103M025H032	10,000	3.80	22 x 35	3.25	2.65	2.43
5985-85-25V22000	223M025J052	22,000	6.10	25 x 50	5.18	4.22	3.96
5985-85-25V47000	473M025A052	47,000	8.00	35 x 50	9.74	7.93	7.72
35 WVDC							
5985-85-35V5600	562M035H022	5,600	3.40	22 x 30	3.03	2.47	2.12
5985-85-35V8200	822M035H042	8,200	4.00	22 x 40	4.06	3.48	2.61
5985-85-35V10000	103M035K022	10,000	4.40	30 x 30	4.37	3.56	3.33
5985-85-35V15000	153M035J052	15,000	5.60	25 x 50	5.25	4.28	4.03
5985-85-35V22000	223M035A042	22,000	6.10	35 x 40	7.68	6.26	6.14
5985-85-35V33000	333M035A052	33,000	7.15	35 x 50	10.07	8.21	7.74
50 WVDC							
5985-85-50V3300	332M050H022	3,300	2.70	22 x 30	3.08	2.51	2.12
5985-85-50V4700	472M050H032	4,700	3.00	22 x 35	3.59	2.92	2.43
5985-85-50V4700J	472M050J022	4,700	3.00	25 x 30	3.92	3.36	2.52
5985-85-50V6800	682M050K022	6,800	3.90	30 x 30	4.78	3.89	3.33
5985-85-50V8200	822M050K032	8,200	4.40	30 x 35	5.60	4.56	4.05
5985-85-50V15000	153M050K052	15,000	6.40	30 x 50	8.27	6.74	6.30
5985-85-50V22000	223M050A052	22,000	7.60	35 x 50	10.00	8.00	7.94
63 WVDC							
5985-85-63V4700	472M063K022	4,700	4.40	30 x 30	4.70	3.83	3.49
5985-85-63V8200	822M063A032	8,200	6.00	35 x 35	7.15	5.83	5.47
5985-85-63V10000	103M063A042	10,000	6.50	35 x 40	8.25	6.72	6.26
5985-85-63V12000	123M063A052	12,000	7.20	35 x 50	9.43	7.69	6.66
100 WVDC							
5985-85-100V1000	102M100H022	1,000	2.00	22 x 30	3.21	2.62	2.12

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 380LX	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each 1	10	25
200 WVDC							
5985-85-200V220	221M200J202	220	0.90	25 x 20	2.82	2.30	2.59
5985-85-200V330	331M200J012	330	1.60	25 x 25	3.22	2.62	2.18
5985-85-200V470	471M200J022	470	1.90	25 x 30	3.63	2.96	2.57
5985-85-200V680	681M200J032	680	2.70	25 x 35	4.52	3.68	3.23
5985-85-200V1200	122M200K452	1,200	3.50	30 x 45	7.21	5.88	4.64
5985-85-200V1500	152M200A042	1,500	3.90	35 x 40	8.73	7.12	6.01
5985-85-200V2200	222M200A052	2,200	4.90	35 x 50	11.47	9.34	7.85
250 WVDC							
5985-85-250V220	221M250H022	220	1.20	22 x 30	3.36	2.80	2.07
5985-85-250V470	471M250J042	470	2.10	25 x 40	4.92	4.10	3.33
5985-85-250V680	681M250A022	680	2.50	35 x 30	7.19	5.99	4.64
5985-85-250V1000	102M250K052	1,000	3.10	30 x 50	8.87	7.39	5.69
5985-85-250V1000A	102M250A042	1,000	3.30	35 x 35	9.42	8.07	6.05
400 WVDC							
5985-85-400V68J	680M400J202	68	0.35	25 x 20	3.71	3.18	2.39
5985-85-400V100	101M400H022	100	0.90	22 x 30	3.74	3.11	2.32
5985-85-400V560A	561M400A052	560	2.70	35 x 50	10.53	8.25	7.02
5985-85-400V680	681M400A052	680	3.00	35 x 50	14.56	12.48	9.36
450 WVDC							
5985-85-450V47	470M450J202	47	0.30	25 x 20	3.75	3.13	2.34
5985-85-450V68	680M450H022	68	0.80	22 x 30	3.58	2.99	2.18
5985-85-450V100	101M450J022	100	0.90	25 x 30	4.28	3.56	2.77
5985-85-450V120	121M450J022	120	1.00	25 x 30	4.23	3.45	2.99
5985-85-450V220	221M450J052	220	1.60	25 x 50	7.21	6.01	4.34
5985-85-450V330	331M450A042	330	2.00	35 x 40	10.71	8.93	6.64
5985-85-450V470	471M450A052	470	2.50	35 x 50	12.53	10.21	8.73

381LQ, 105°C SERIES - SNAP MOUNT HIGH RIPPLE ALUMINUM ELECTROLYTICS

DIMENSIONS: m

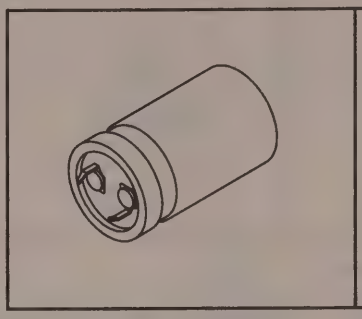
Specifications:

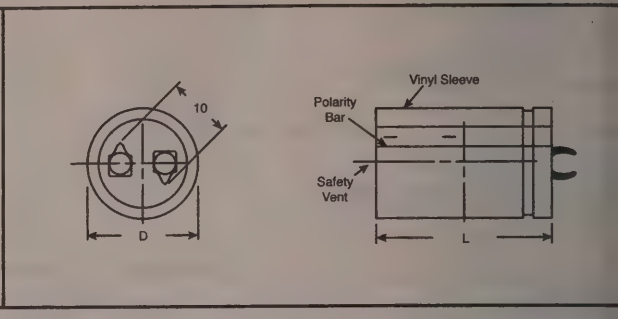
- Voltage rating: 200VDC to 450VDC
- Operating temperature: <315V: -40°C to +105°C; >350V: -25°C to +105°C
- Capacitance Tolerance: 20%
- Life test: 2000 hours @ +85°C at full load
- Leakage Current: ≤ 3 √ CV μA at 5 min.
- EIA Ripple Life: 8000 hours @ 85°C

Features:

- More capacitance per case size
- Average of 23% smaller and more than 5mm shorter than Type 381LX
- The 381LQ enables you to shrink equipment size and retain the original performance

NEW FROM SUPPLIER





For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 381LQ	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each 1	10	25
200 WVDC							
5985-381-200V470	471M200H022	470	2.03	22X30	3.14	2.85	2.28
5985-381-200V680	681M200J022	680	2.45	25X30	3.91	3.55	2.84
5985-381-200V820	821M200J032	820	2.86	25X35	4.57	4.15	3.32
5985-381-200V1000	102M200K022	1000	3.22	30X30	5.42	4.93	3.94
5985-381-200V1200	122M200A022	1200	3.71	35X30	6.93	6.30	5.04
5985-381-200V1500	152M200K042	1500	3.92	35X40	7.37	6.70	5.36
5985-381-200V1800	182M200A042	1800	4.31	35X40	10.04	9.13	7.30
5985-381-200V2200	222M200K052	2200	4.87	30X50	10.75	9.78	7.82
250 WVDC							
5985-381-250V330	331M250H022	330	1.68	22X30	3.30	3.00	2.40
5985-381-250V390	391M250H032	390	1.82	22X35	3.74	3.40	2.72
5985-381-250V470	471M250J022	470	1.96	25X30	4.40	4.00	3.20
5985-381-250V560	561M250J032	560	2.10	25X35	4.73	4.30	3.44
5985-381-250V680	681M250K022	680	2.38	30X30	5.25	4.78	3.82
5985-381-250V820	821M250K032	820	2.80	30X35	6.08	5.53	4.42
5985-381-250V1000	102M250K042	1000	3.08	30X40	7.04	6.40	5.12
5985-381-250V1800	182M250A052	1800	3.78	35X50	13.12	11.93	9.54

For quantities of 50 and up, call for q

MOUSER STOCK NO.	CDE Type 381LQ	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each 1	10	2
400 WVDC							
5985-381-400V220	221M400J032	220	1.54	25X35	4.90	4.45	3.
5985-381-400V270	271M400K022	270	1.71	30X30	6.16	5.60	4.
5985-381-400V330	331M400K032	330	2.02	30X35	7.07	6.43	5.
5985-381-400V390	391M400K042	390	2.17	30X40	8.39	7.63	6.
5985-381-400V470	471M400A032	470	2.35	35X35	9.85	8.95	7.
5985-381-400V560	561M400A042	560	2.66	35X40	10.89	9.90	7.
5985-381-400V680	681M400A452	680	2.97	35X45	12.54	11.40	9.
450 WVDC							
5985-381-450V100	101M450H022	100	0.9	22X30	3.71	3.38	2.
5985-381-450V120	121M450H032	120	1.01	22X35	4.07	3.70	2.
5985-381-450V150	151M450J022	150	1.11	25X30	4.98	4.53	3.
5985-381-450V180	181M450K022	180	1.22	30X30	6.41	5.83	4.
5985-381-450V220	221M450K022	220	1.40	30X30	6.96	6.33	5.
5985-381-450V270	271M450K042	270	1.67	30X40	8.06	7.33	5.
5985-381-450V330	331M450A032	330	1.93	35X35	8.91	8.10	6.
5985-381-450V390	391M450A042	390	2.17	35X40	9.98	9.08	7.
5985-381-450V470	471M450A452	470	2.44	35X45	11.72	10.65	8.
5985-381-450V560	561M450A052	560	2.66	35X50	14.05	12.78	10.

381LX, 105°C SERIES - SNAP MOUNT HIGH RIPPLE ALUMINUM ELECTROLYTICS

DIMENSIONS: m

Specifications:

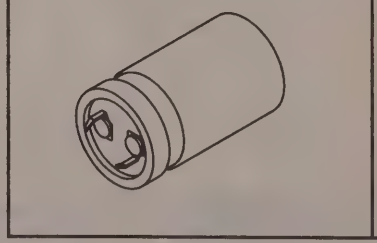
- Voltage Rating: 16VDC to 450VDC
- Operating Temperature: <315V: -40°C to +105°C; ≥ 350V: -25°C to +105°C
- Capacitance Tolerance: 20%
- Leakage Current: ≤ 3 √ CV μA at 5 min.
- EIA Ripple Life: 12,000 hours @ 85°C

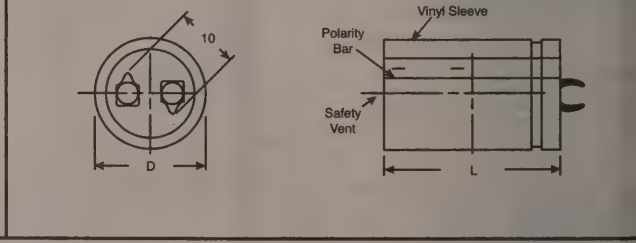
Features:

- More capacitance per case size
- 4 Times the life of 380LX Series
- High ripple capability

Applications:

- Power supply input and output circuits
- Motor-drives





For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 381LX	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each 1	10	25
16 WVDC							
5985-16V10000	103M016J012	10,000	2.60	25 x 25	2.97	2.58	2.41
5985-16V15000	153M016J032	15,000	3.20	25 x 35	3.45	3.14	2.81
25 WVDC							
5985-25V10000	103M025J032	10,000	3.00	25 x 35	3.65	2.97	2.80
5985-25V15000	153M025J452	15,000	3.60	25 x 45	4.03	3.55	3.23
35 WVDC							
5985-35V4700J	472M035J012	4,700	1.60	25 x 25	3.62	3.10	2.43
5985-35V10000	103M035J052	10,000	3.50	25 x 50	4.77	3.88	3.74
5985-35V22000	223M035A052	22,000	5.00	35 x 50	8.10	7.34	6.60
63 WVDC							
5985-63V2200	222M063J022	2,200	2.00	25 x 30	2.80	2.37	2.15
5985-63V10000	103M063A052	10,000	4.40	35 x 50	8.01	7.15	6.72
200 WVDC							
5985-200V220	221M200H012	220	1.00	22 x 25	2.78	2.26	2.06
5985-200V330H	331M200H022	330	1.20	22 x 30	3.01	2.48	2.36
5985-200V330	331M200J012	330	1.20	25 x 25	3.36	2.73	2.41
5985-200V470	471M200J032	470	1.40	25 x 35	4.39	3.66	2.92
5985-200V680	681M200J042	680	1.70	25 x 40	4.82	3.93	3.56
5985-200V680K	681M200K022	680	1.70	30 x 30	3.80	3.34	3.04
5985-200V1000K	102M200K032	1,000	2.20	30 x 35	5.72	4.98	4.38

For quantities of 50 and up, call for q

MOUSER STOCK NO.	CDE Type 381LX	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each 1	10	2
200 WVDC (Cont.)							
5985-200V1000	102M200K452	1,000	2.20	30 x 45	6.91	5.63	5.
5985-200V1200	122M200K052	1,200	2.30	30 x 50	7.83	6.38	5.
5985-200V1500	152M200A042	1,500	2.50	35 x 40	9.37	7.63	7.
250 WVDC							
5985-250V180	181M250J012	180	1.30	25 x 25	3.45	2.88	2.
5985-250V220	221M250J012	220	1.00	25 x 25	3.46	2.89	2.
5985-250V330	331M250K012	330	1.20	30 x 25	4.34	3.54	3.
5985-250V390	391M250J032	390	1.30	25 x 35	4.89	4.08	3.
5985-250V680	681M250K452	680	1.70	30 x 45	6.21	5.40	5.
5985-250V1000	102M250A452	1,000	2.20	35 x 45	8.92	7.75	7.
5985-250V1500	152M250A052	1,500	2.50	35 x 50	11.39	9.90	9.
450 WVDC							
5985-450V100	101M450J042	100	.60	25 x 40	5.08	4.23	3.
5985-450V150	151M450K022	150	.80	30 x 30	6.80	5.67	4.
5985-450V220	221M450K052	220	.90	30 x 50	7.26	6.30	5.
5985-450V220A	221M450A042	220	.90	35 x 40	7.75	6.70	6.
5985-450V270	271M450A032	270	1.20	35 x 35	8.93	7.65	7.
5985-450V330	331M450A042	330	1.40	35 x 40	12.83	10.69	8.
5985-450V470	471M450A052	470	1.70	35 x 50	15.24	11.29	10.

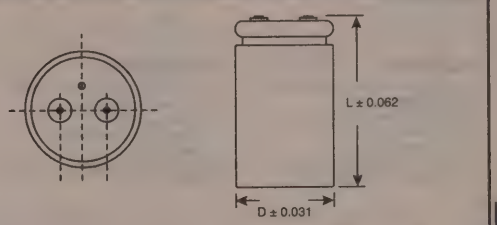
DCMC HIGH CAPACITANCE COMPUTER GRADE SERIES

atures:
w ESR
gh capacitance value
andle large ripple currants
ermal-Pak extended cathode construction assures cool
eration with heat flow from the capacitor element to the can

ecifications:
oltage range: 6.3VDC to 450VDC
mperature range: -40°C to 85°C
olerance: <200VDC = -10 to +75%
≥200VDC = -10 to +50%
apacitance Range: 110uF to 2.7F
fe: 2000 hours @ 85°C

Applications:
- Power supply filters
- UPS systems
- Computer hold-up power
- Energy storage applications

DIMENSIONS (IN)



Volt (20 Volt Surge)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case D x L (In.)	Max. ESR (MΩ) 120Hz/20°C	Max. Ripple (A) 120Hz/105°C	Price Each 1	5	10	25
8-DCMC16V213	DCMC213U016AK2B	21000	1.375 x 1.625	46.9	4.1	10.78	9.98	9.58	9.18
8-DCMC16V353	DCMC353U016AA2B	35000	1.375 x 2.125	26.5	6.1	13.58	11.81	11.33	10.86
8-DCMC16V623	DCMC623U016AB2B	62000	1.375 x 3.125	15.5	9.7	16.50	14.35	13.78	13.20
8-DCMC16V903	DCMC903U016AC2B	90000	1.375 x 4.125	11.0	13.5	20.50	17.83	17.11	16.40
8-DCMC16V204	DCMC204U016BC2B	200000	2.000 x 4.125	7.4	17.4	37.38	32.50	31.20	29.90

Volt (30 Volt Surge)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case D x L (In.)	Max. ESR (MΩ) 120Hz/20°C	Max. Ripple (A) 120Hz/105°C	Price Each 1	5	10	25
8-DCMC25V123	DCMC123U025AK2B	12000	1.375 x 1.625	37.1	4.7	11.87	10.33	9.91	9.50
8-DCMC25V333	DCMC333U025AB2B	33000	1.375 x 3.125	19.3	8.2	15.59	13.55	13.01	12.47
8-DCMC25V473	DCMC473U025BA2B	47000	2.000 x 2.125	21.8	9.3	21.52	18.72	17.97	17.22
8-DCMC25V523	DCMC523U025AC2B	52000	1.375 x 4.125	17.6	10.7	20.08	17.45	16.75	16.05
8-DCMC25V124	DCMC124U025BC2B	120000	2.000 x 4.125	8.3	16.6	37.38	32.50	31.20	29.90

Volt (63 Volt Surge)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case D x L (In.)	Max. ESR (MΩ) 120Hz/20°C	Max. Ripple (A) 120Hz/105°C	Price Each 1	5	10	25
8-DCMC50V103	DCMC103U050AA2B	10000	1.375 x 2.125	30.9	5.6	13.88	12.21	11.66	11.10
8-DCMC50V123	DCMC123U050AH2B	12000	1.375 x 2.625	25.9	6.7	14.26	12.40	11.90	11.41
8-DCMC50V163	DCMC163U050AB2B	16000	1.375 x 3.125	23.6	7.4	16.83	14.63	14.04	13.46
8-DCMC50V263	DCMC263U050AC2B	26000	1.375 x 4.125	18.7	10.4	21.20	18.43	17.69	16.95
8-DCMC50V383	DCMC383U050BB2B	38000	2.000 x 3.125	16.3	11.9	29.90	26.00	24.95	23.92

Volt (75 Volt Surge)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case D x L (In.)	Max. ESR (MΩ) 120Hz/20°C	Max. Ripple (A) 120Hz/105°C	Price Each 1	5	10	25
8-DCMC63V702	DCMC702U063AA2B	7000	1.375 x 2.125	39.0	5.0	13.95	12.12	11.64	11.15

Volt (95 Volt Surge)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case D x L (In.)	Max. ESR (MΩ) 120Hz/20°C	Max. Ripple (A) 120Hz/105°C	Price Each 1	5	10	25
8-DCMC75V223	DCMC223U075AF2B	22000	1.375 x 5.625	21.4	10.8	25.16	21.88	21.00	20.13

0 Volt (125 Volt Surge)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case D x L (In.)	Max. ESR (MΩ) 120Hz/20°C	Max. Ripple (A) 120Hz/105°C	Price Each 1	5	10	25
8-DCMC100V392	DCMC392U100AH2B	3900	1.375 x 2.625	51.0	4.7	15.61	13.57	13.03	12.46
8-DCMC100V103	DCMC103U100AD2B	10000	1.375 x 4.625	31.1	7.5	25.34	22.03	21.15	20.27
8-DCMC100V163	DCMC163U100EC2B	16000	1.750 x 4.125	28.8	8.0	35.49	30.86	29.63	28.39
8-DCMC100V183	DCMC183U100ED2B	18000	1.750 x 4.625	21.2	9.8	38.62	33.58	32.24	30.90
8-DCMC100V203	DCMC203U100BC2B	20000	2.000 x 4.125	19.9	10.7	43.70	38.00	36.48	34.96

0 Volt (250 Volt Surge)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case D x L (In.)	Max. ESR (MΩ) 120Hz/20°C	Max. Ripple (A) 120Hz/105°C	Price Each 1	5	10	25
8-DCMC200V352	DCMC352T200BC2B	3500	2.000 x 4.125	0.03	10.8	29.35	25.53	24.50	23.48
8-DCMC200V912	DCMC912T200BE2A	9100	2.000 x 5.125	21.7	10.5	56.20	48.90	46.92	44.96

0 Volt (300 Volt Surge)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case D x L (In.)	Max. ESR (MΩ) 120Hz/20°C	Max. Ripple (A) 120Hz/105°C	Price Each 1	5	10	25
8-DCMC250V152	DCMC152T250AB2B	1500	1.375 x 3.125	88.0	4.1	19.30	16.78	16.11	15.44
8-DCMC250V472	DCMC472T250BC2B	4700	2.000 x 4.125	31.5	8.9	43.20	38.02	36.29	34.56
8-DCMC250V682	DCMC682T250BF2B	6800	2.000 x 5.625	21.2	11.9	57.30	49.83	47.82	45.84

0 Volt (500 Volt Surge)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case D x L (In.)	Max. ESR (MΩ) 120Hz/20°C	Max. Ripple (A) 120Hz/105°C	Price Each 1	5	10	25
8-DCMC450V271	DCMC271T450AA2B	270	1.375 x 2.125	437.7	1.5	15.36	13.35	12.82	12.29
8-DCMC450V471	DCMC471T450AB2B	470	1.375 x 3.125	253.2	2.4	19.73	18.55	17.15	16.46
8-DCMC450V102	DCMC102T450BB2B	1000	2.000 x 3.125	137.0	4.3	34.40	29.91	28.71	27.52

MALLORY COMPUTER GRADE CGS 85°C SCREW TERMINAL SERIES

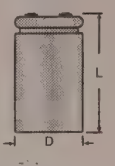
Mallory CGS Series Equivalents

Collins - CES Series
General Electric - 86F Series
Mepco-electra - 3186/91C & 91F Series
Rubycon - LSA Series

Specifications:
- Temperature range: -40° to +85°C
- DC Leakage Current:
  I = .006 √CV after 30 minutes
  Not to exceed 6mA
  C = Capacitance in μF
  V = Rated Voltage
  I = Leakage Current in mA

QA Stability Test:
Apply WVDC for 2,000 hrs at 85°C
- Capacitance change ≤10% from initial limits
- DC leakage currents meets initial limits
- ESR ≤ 175% of initial measured value

DIMENSIONS (IN)



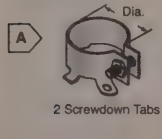
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Mallory Type CGS	Value (μF)	Case DxL (In.)	Price Each 1	25	50
16 Volt						
539-CGS16V15000	153U016R2L	15,000	1.375 x 2.625	13.11	10.61	9.99
539-CGS16V17000	173U016R3C	17,000	1.375 x 3.125	13.11	10.61	9.99
539-CGS16V23000	233U016V3C	23,000	2.0 x 3.125	17.71	14.34	13.50
539-CGS16V24000	243U016R3C	24,000	1.375 x 3.125	14.08	11.40	10.73
539-CGS16V38000	383U016V3C	38,000	2.0 x 3.125	17.71	14.34	13.50
539-CGS16V50000	503U016V3C	50,000	2.0 x 3.125	19.07	15.44	14.53
539-CGS16V100000	104U016X5C	100,000	3.0 x 5.125	41.96	33.97	31.97
539-CGS16V110000	114U016W4C	110,000	2.5 x 4.125	27.04	21.89	20.60
539-CGS16V120000	124U016X3L	120,000	3.0 x 3.625	32.98	26.70	25.12
539-CGS16V210000	214U016X5R	210,000	3.0 x 5.875	47.54	38.48	36.22
25 Volt						
539-CGS25V8900	892U025R3C	8,900	1.375 x 3.125	14.08	11.40	10.73
539-CGS25V12000	123U025V3C	12,000	2.0 X 3.125	17.71	14.34	13.50
539-CGS25V18000	183U025R4C	18,000	1.375 x 4.125	16.40	13.27	12.49
539-CGS25V20000	203U025V3C	20,000	2.0 x 3.125	17.71	14.34	13.50
539-CGS25V28000	283U025V3C	28,000	2.0 x 3.125	17.54	14.20	13.36
539-CGS25V29000	293U025V4C	29,000	2.0 x 4.125	20.48	16.58	15.60
539-CGS25V41000	413U025V4C	41,000	2.0 x 4.125	20.98	16.98	15.98
539-CGS25V47000	473U025V4C	47,000	2.0 x 4.125	22.11	17.90	16.85
30 Volt						
539-CGS30V8000	802U030R3C	8,000	1.375 x 3.125	12.47	10.10	9.50
539-CGS30V55000	553U030W4C	55,000	2.5 x 4.125	27.44	22.22	20.91
539-CGS30V100000	104U030X5L	100,000	3.0 x 5.625	47.54	38.48	36.22
35 Volt						
539-CGS35V12000	123U035R4C	12,000	1.375 x 4.125	16.40	13.27	12.49
539-CGS35V21000	213U035V3C	21,000	2.0 x 3.125	18.66	15.11	14.22
40 Volt						
539-CGS40V2200	222U040R2C	2,200	1.375 x 2.125	12.47	10.10	9.50
539-CGS40V2700	272U040R2C	2,700	1.375 x 2.125	12.47	10.10	9.50
539-CGS40V3500	352U040R2C	3,500	1.375 x 2.125	12.47	10.10	9.50
539-CGS40V4200	422U040R3C	4,200	1.375 x 3.125	14.08	11.40	10.73
539-CGS40V5100	512U040R3C	5,100	1.375 x 3.125	13.40	10.85	10.21
539-CGS40V9000	902U040R4C	9,000	1.375 x 4.125	16.40	13.27	12.49
539-CGS40V9300	932U040V3C	9,300	2.0 x 3.125	17.71	14.34	13.50
539-CGS40V11000	113U040V3C	11,000	2.0 x 3.125	17.71	14.34	13.50
539-CGS40V12000	123U040R4C	12,000	1.375 x 4.125	16.40	13.27	12.49
539-CGS40V13000	133U040V4C	13,000	2.0 x 4.125	20.48	16.58	15.60
539-CGS40V17000	173U040V4C	17,000	2.0 x 4.125	20.48	16.58	15.60
539-CGS40V20000	203U040V5L	20,000	2.0 x 5.625	23.99	19.42	18.28
539-CGS40V23000	233U040V4C	23,000	2.0 x 4.125	20.48	16.58	15.60
539-CGS40V35000	353U040V5L	35,000	2.0 x 5.625	24.27	19.65	18.49
539-CGS40V40000	403U040W4C	40,000	2.5 x 4.125	25.58	20.71	19.49
50 Volt						
539-CGS50V1600	162U050R2C	1,600	1.375 x 2.125	12.47	10.10	9.50
539-CGS50V2200	222U050R2C	2,200	1.375 x 2.125	12.47	10.10	9.50
539-CGS50V2900	292U050R3C	2,900	1.375 x 3.125	14.08	11.40	10.73
539-CGS50V4100	412U050R3C	4,100	1.375 x 3.125	14.08	11.40	10.73
539-CGS50V5000	502U050R3C	5,000	1.375 x 3.125	14.08	11.40	10.73
539-CGS50V6100	612U050R4C	6,100	1.375 x 4.125	16.40	13.27	12.49
539-CGS50V6500	652U050V3C	6,500	2.0 x 3.125	17.71	14.34	13.50
539-CGS50V9600	962U050V4C	9,600	2.0 x 4.125	20.48	16.58	15.60

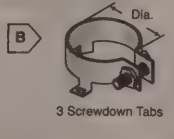
For quantities of 100 and up, call for qu

MOUSER STOCK NO.	Mallory Type CGS	Value (μF)	Case DxL (In.)	Price Each 1	25	50
50 Volt (cont.)						
539-CGS50V10000	103U050R4C	10,000	1.375 x 4.125	16.40	13.27	12.4
539-CGS50V15000	153U050V4C	15,000	2.0 x 4.125	20.48	16.58	15.6
539-CGS50V18000	183U050V3C	18,000	2.0 x 3.125	21.14	17.11	16.1
539-CGS50V20000	203U050V4C	20,000	2.0 x 4.125	22.07	17.86	16.8
539-CGS50V25000	253U050W4C	25,000	2.5 x 4.125	27.04	21.89	20.6
539-CGS50V56000	563U050X3L	56,000	3.0 x 3.625	42.18	34.15	32.1
75 Volt						
539-CGS75V1500	152U075R3C	1,500	1.375 x 3.125	14.08	11.40	10.7
539-CGS75V2100	212U075R3C	2,100	1.375 x 3.125	14.08	11.40	10.7
539-CGS75V2900	292U075R3C	2,900	1.375 x 3.125	20.48	16.58	15.6
539-CGS75V4200	422U075R4C	4,200	1.375 x 4.125	16.40	13.27	12.4
539-CGS75V4800	482U075V3C	4,800	2.0 x 3.125	17.71	14.34	13.5
539-CGS75V6300	632U075R5L	6,300	1.375 x 5.625	17.71	14.34	13.5
539-CGS75V10000	103U075R3C	10,000	1.375 x 3.125	22.48	18.20	17.1
539-CGS75V10000L	103U075V4C	10,000	2.0 x 4.125	20.48	16.58	15.6
539-CGS75V10000S	103U075V3C	10,000	2.0 x 3.125	20.00	16.19	15.2
539-CGS75V17000	173U075X4C	17,000	3.0 x 4.125	36.06	29.19	27.4
539-CGS75V25000L	253U075W5L	25,000	2.5 x 5.625	34.09	27.59	25.9
539-CGS75V25000S	253U075X4C	25,000	3.0 x 4.125	36.06	29.19	27.4
539-CGS75V37000	373U075X5L	37,000	3.0 x 5.625	45.25	36.63	34.4
100 Volt						
539-CGS100V1200	122U100R3C	1,200	1.375 x 3.125	14.08	11.40	10.7
539-CGS100V1700	172U100R3C	1,700	1.375 x 3.125	13.11	10.61	9.9
539-CGS100V4000	402U100V4C	4,000	2.0 x 4.125	20.48	16.58	15.6
539-CGS100V10000	103U100W4C	10,000	2.5 x 4.125	29.32	23.74	22.3
539-CGS100V15000	153U100X4C	15,000	3.0 x 4.125	38.72	31.34	29.5
150 Volt						
539-CGS150V400	401U150R2C	400	1.375 x 2.125	12.47	10.10	9.5
539-CGS150V720	721U150R3C	720	1.375 x 3.125	14.08	11.40	10.7
539-CGS150V3500	352U150V5L	3,500	2.0 x 5.625	23.99	19.42	18.2
539-CGS150V8700	872U150X5R	8,700	3.0 x 5.875	45.25	36.63	34.4
200 Volt						
539-CGS200V1000	102T200R4C	1,000	1.375 x 4.125	16.40	13.27	12.4
539-CGS200V2000	202T200V4C	2,000	2.0 x 4.125	21.34	17.28	16.2
539-CGS200V5400	542T200X4L	5,400	3.0 x 4.625	50.71	41.05	38.6
539-CGS200V7700	772T200X5L	7,700	3.0 x 5.625	53.12	43.00	40.4
250 Volt						
539-CGS250V550	551T250R4C	550	1.375 x 4.125	16.40	13.27	12.4
539-CGS250V1200	122T250V3C	1,200	2.0 x 3.125	20.73	16.78	15.7
539-CGS250V6000	602T250X5L	6,000	3.0 x 5.625	63.96	51.78	48.7
350 Volt						
539-CGS350V3300	332T350X5L	3,300	3.0 x 5.625	57.97	46.93	44.1
450 Volt						
539-CGS450V75	750T450R2C	75	1.375 x 2.125	12.47	10.10	9.5
539-CGS450V100	101T450R2C	100	1.375 x 2.125	12.47	10.10	9.5
539-CGS450V140	141T450R3C	140	1.375 x 3.125	14.08	11.40	10.7
539-CGS450V210	211T450R4C	210	1.375 x 4.125	16.40	13.27	12.4
539-CGS450V320	321T450V3C	320	2.0 x 3.125	20.05	16.23	15.2
539-CGS450V400	401T450R5C	400	1.375 x 5.625	19.05	15.42	14.5
539-CGS450V450	451T450V3C	450	2.0 x 3.125	22.91	18.54	17.4
539-CGS450V480	481T450V4C	480	2.0 x 4.125	23.54	19.06	17.9
539-CGS450V650	651T450V4C	650	2.0 x 4.125	28.62	23.17	21.8
539-CGS450V800	801T450V4L	800	2.0 x 4.625	31.66	25.63	24.1
539-CGS450V1000	102T450R2C	1,000	2.5 x 4.125	36.76	29.76	28.0
539-CGS450V1400	142T450W5C	1,400	2.5 x 5.125	46.24	37.44	35.2
539-CGS450V2000	202T450X5C	2,000	3.0 x 5.125	64.05	51.85	48.8
539-CGS450V2400	242T450X5L	2,400	3.0 x 5.625	69.38	62.77	56.1
539-CGS450V3300	332T450X5L	3,300	3.0 x 5.625	95.96	77.68	73.1

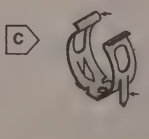
MALLORY MOUNTING HARDWARE



2 Screwdown Tabs



3 Screwdown Tabs



Squeeze ends together & slide in. Tabs retain clip when released.

For quantities of 50 and up, call for qu

MOUSER STOCK NO.	Fig.	Diameter (In.)	Description	Price Each 1	25
539-VR3	A	1.375 - 1.44	Vertical mount, 2 screwdown tabs	1.11	1.0
539-VR6	B	1.75 - 1.81	Vertical mount, 3 screwdown tabs	1.80	1.6
539-VR8	B	2 - 2.06	Vertical mount, 3 screwdown tabs	1.64	1.4
539-VR10	B	2.5 - 2.56	Vertical mount, 3 screwdown tabs	1.82	1.6
539-VR12	B	3 - 3.125	Vertical mount, 3 screwdown tabs	1.99	1.8
539-TH25	C	1.375 - 1.44	Horizontal mount	1.53	1.3

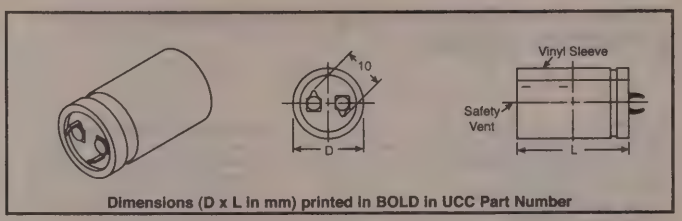
KMH 105°C SNAP MOUNT HIGH CAPACITANCE SERIES

KMH series are the standard 105°C, large capacitance, snap-in capacitors. The very high CV es and ripple current capabilities make these capacitors ideal for use in power supply filter ilts. The standard KMH capacitors are non-solvent proof and are not recommended when genated cleaning solvents are used.

cifications:

- Rated Lifetime: 2,000 hours @ +105°C

perating Temperature range:
0°C to +105°C for 6.3 to 100VDC,
5°C to +105°C for 160 to 450VDC



Dimensions (D x L in mm) printed in BOLD in UCC Part Number

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each 1	50	100	500
Volt							
-KMH16VN223M	KMH16VN223M25X45T2	22000	0.03	2.88	2.56	2.30	2.17
-KMH16VN223MT2	KMH16VN223M30X35T2	22000	0.03	5.13	4.71	4.28	3.42
Volt							
-KMH25VN472M	KMH25VN472M22X25T2	4700	0.106	1.79	1.59	1.43	1.35
-KMH25VN123MT2	KMH25VN123M22X45T2	12000	0.041	3.34	3.06	2.78	2.23
-KMH25VN223M	KMH25VN223M30X45T2	22000	0.023	4.13	3.67	3.30	2.12
-KMH25VN273MT2	KMH25VN273M35X45T2	27000	0.018	8.07	7.40	6.73	5.38
-KMH25VN333M	KMH25VN333M35X50T2	33000	0.015	5.36	4.76	4.29	4.05
Volt							
-KMH35VN332MT2	KMH35VN332M22X25T2	3300	0.126	2.38	2.18	1.98	1.59
-KMH35VN472MT2	KMH35VN472M25X25T2	4700	0.088	2.78	2.55	2.32	1.86
-KMH35VN562M	KMH35VN562M22X35T2	5600	0.074	2.50	2.43	2.36	2.22
-KMH35VN682MT2	KMH35VN682M22X40T2	6800	0.061	2.88	2.64	2.40	1.92
-KMH35VN682M	KMH35VN682M25X35T2	6800	0.061	2.34	2.08	1.87	1.77
-KMH35VN103MT2	KMH35VN103M30X35T2	10000	0.041	5.72	5.25	4.77	3.81
-KMH35VN123M	KMH35VN123M25X50T2	12000	0.035	3.25	2.89	2.60	2.45
-KMH35VN333MT2	KMH35VN333M35X63T2	33000	0.012	8.72	8.00	7.27	5.81
Volt							
-KMH50VN472MT2	KMH50VN472M30X30T2	4700	0.071	3.40	3.12	2.84	2.27
-KMH50VN682M	KMH50VN682M30X40T2	6800	0.049	2.76	2.45	2.21	2.09
-KMH50VN822M	KMH50VN822M35X35T2	8200	0.04	4.99	4.43	3.99	3.77
Volt							
-KMH63VN222MT2	KMH63VN222M22X35T2	2200	0.113	2.60	2.39	2.17	1.73
-KMH63VN272MT2	KMH63VN272M30X25T2	2700	0.092	3.37	3.09	2.81	2.25
-KMH63VN472M	KMH63VN472M25X50T2	4700	0.053	2.97	2.64	2.38	2.24
-KMH63VN472MT2	KMH63VN472M30X40T2	4700	0.053	4.11	3.77	3.43	2.74
-KMH63VN562MT2	KMH63VN562M30X45T2	5600	0.044	4.79	4.39	3.99	3.20
-KMH63VN682M	KMH63VN682M30X50T2	6800	0.037	4.48	3.98	3.58	3.38
-KMH63VN103M	KMH63VN103M35X50T2	10000	0.025	5.45	4.85	4.36	4.12
Volt							
-KMH80VN392MT2	KMH80VN392M35X35T2	3900	0.064	5.69	5.22	4.74	3.79
-KMH80VN472MT2	KMH80VN472M30X50T2	4700	0.053	5.47	5.02	4.56	3.65
Volt							
-KMH100VN391M	KMH100VN391M22X25T2	390	0.425	1.40	1.24	1.12	1.06
-KMH100VN222M	KMH100VN222M30X40T2	2200	0.113	3.34	2.97	2.67	2.52
-KMH100VN392M	KMH100VN392M35X45T2	3900	0.064	7.26	6.45	5.81	5.49
Volt							
-KMH200VN271M	KMH200VN271M22X25T2	270	0.614	1.76	1.57	1.41	1.33
-KMH200VN331M	KMH200VN331M22X30T2	330	0.502	2.20	1.96	1.76	1.66
-KMH200VN471M	KMH200VN471M25X30T2	470	0.353	2.53	2.25	2.02	1.91
-KMH200VN681MT2	KMH200VN681M30X30T2	680	0.244	4.70	4.31	3.92	3.13
-KMH200VN681M	KMH200VN681M35X25T2	680	0.366	3.87	3.44	3.10	2.93
-KMH200VN821M	KMH200VN821M25X50T2	820	0.202	3.94	3.51	3.15	2.98
-KMH200VN102MT2	KMH200VN102M30X45T2	1000	0.166	5.04	4.62	4.20	3.36
-KMH200VN102M	KMH200VN102M35X35T2	1000	0.249	6.01	5.34	4.81	4.54
-KMH200VN122M	KMH200VN122M30X50T2	1200	0.138	4.82	4.29	3.86	3.65
-KMH200VN122MT2	KMH200VN122M35X40T2	1200	0.207	4.71	4.19	3.77	3.56
-KMH200VN182MT2	KMH200VN182M35X50T2	1800	0.138	11.57	10.61	9.64	7.71
Volt							
-KMH250VN221MT2	KMH250VN221M22X30T2	220	0.753	2.75	2.52	2.29	1.84
-KMH250VN221M	KMH250VN221M25X25T2	220	0.753	2.30	2.04	1.84	1.74
-KMH250VN331M	KMH250VN331M25X30T2	330	0.502	2.78	2.47	2.23	2.10
-KMH250VN471M	KMH250VN471M25X40T2	470	0.353	2.92	2.60	2.34	2.21
-KMH250VN471MT2A	KMH250VN471M30X30T2	470	0.353	3.68	3.38	3.07	2.45
-KMH250VN561M	KMH250VN561M30X35T2	560	0.296	3.71	3.30	2.97	2.80
-KMH250VN561MT2	KMH250VN561M35X30T2	560	0.444	6.87	6.30	5.72	4.58
-KMH250VN681MT2	KMH250VN681M30X40T2	680	0.244	4.92	4.51	4.10	3.28
-KMH250VN821M	KMH250VN821M35X35T2	820	0.303	5.49	4.88	4.40	4.15
-KMH250VN102M	KMH250VN102M35X40T2	1000	0.249	5.54	4.93	4.44	4.19
-KMH250VN122M	KMH250VN122M35X45T2	1200	0.207	6.63	5.90	5.31	5.01
Volt							
-KMH400VN82RM	KMH400VN82RM22X30T2	82	3.032	2.06	1.83	1.64	1.55
-KMH400VN82RMT2	KMH400VN82RM25X25T2	82	3.032	2.61	2.40	2.18	1.74
-KMH400VN121MT2	KMH400VN121M25X30T2	120	2.072	3.74	3.43	3.12	2.49
-KMH400VN181MT2	KMH400VN181M25X35T2	180	1.381	3.80	3.49	3.17	2.54
-KMH400VN181M	KMH400VN181M30X30T2	180	1.381	3.76	3.34	3.01	2.84
-KMH400VN221MT2	KMH400VN221M25X45T2	220	1.13	4.27	3.92	3.56	2.85
-KMH400VN221MT2A	KMH400VN221M30X35T2	220	1.13	4.64	4.26	3.87	3.09
-KMH400VN331MT2	KMH400VN331M30X45T2	330	0.753	6.06	5.56	5.05	4.04
-KMH400VN331MT2A	KMH400VN331M35X35T2	330	0.753	5.10	4.68	4.25	3.40
-KMH400VN391M	KMH400VN391M35X40T2	390	0.638	8.05	7.15	6.44	6.08
-KMH400VN471MT2	KMH400VN471M35X45T2	470	0.529	7.05	6.47	5.88	4.70
-KMH400VN102M	KMH400VN102M35X80T2	1000	0.249	11.18	10.34	9.78	9.24

KMH 105°C SNAP MOUNT HIGH CAPACITANCE SERIES (CONT.)

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each 1	50	100	500
450 Volt							
661-KMH450VN181M2	KMH450VN181M30X35T2	180	1.381	4.01	3.57	3.21	3.03
661-KMH450VN221M	KMH450VN221M25X50T2	220	1.13	5.61	4.99	4.49	4.24
661-KMH450VN221MT2A	KMH450VN221M30X40T2	220	1.13	7.98	7.32	6.65	5.32
661-KMH450VN221MT2B	KMH450VN221M35X30T2	220	1.13	7.92	7.26	6.60	5.28
661-KMH450VN331M	KMH450VN331M30X50T2	330	0.753	7.79	6.93	6.23	5.89
661-KMH450VN331MT2	KMH450VN331M35X40T2	330	0.753	9.71	8.90	8.09	6.47

SMH 85°C SNAP MOUNT HIGH CAPACITANCE SERIES

The SMH series are the standard 85°C, large capacitance, snap-in capacitors. The very high CV values and ripple current capabilities make these capacitors ideal for use in power supply filter circuits. The standard SMH capacitors are non-solvent proof and are not recommended when halogenated cleaning solvents are used.

Specifications:

- Operating Temperature range:
  -40°C to +85°C for 6.3 to 100VDC,
  -25°C to +85°C for 160 to 450VDC
- Rated Lifetime: 2,000 hours @ +85°C

For quantities 1000 and up, call for quote.

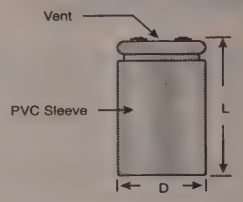
MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each 1	50	100	500
16 Volt							
661-SMH16VN123M	SMH16VN123M22X30T2	12000	0.055	1.93	1.71	1.54	1.45
661-SMH16VN123MT2	SMH16VN123M25X25T2	12000	0.055	2.81	2.58	2.35	1.88
25 Volt							
661-SMH25VN822M	SMH25VN822M22X35T2	8200	0.061	2.04	1.81	1.63	1.54
661-SMH25VN153M	SMH25VN153M25X40T2	15000	0.033	2.78	2.47	2.23	2.10
661-SMH25VN223M	SMH25VN223M30X45T2	22000	0.023	5.01	4.45	4.01	3.79
35 Volt							
661-SMH35VN472MT2	SMH35VN472M25X25T2	4700	0.088	2.69	2.47	2.24	1.79
661-SMH35VN153MT2	SMH35VN153M35X35T2	15000	0.028	6.90	6.33	5.75	4.60
50 Volt							
661-SMH50VN222MT2	SMH50VN222M22X25T	2200	0.151	2.38	2.18	1.98	1.59
661-SMH50VN332MT2	SMH50VN332M25X25T2	3300	0.1	2.81	2.58	2.35	1.88
661-SMH50VN472M	SMH50VN472M22X40T2	4700	0.071	2.34	2.08	1.87	1.77
661-SMH50VN822MT2	SMH50VN822M30X40T2	8200	0.04	4.27	3.92	3.56	2.85
661-SMH50VN183MT2	SMH50VN183M35X50T2	18000	0.018	9.96	9.13	8.30	6.64
63 Volt							
661-SMH63VN332M	SMH63VN332M22X35T2	3300	0.075	1.65	1.46	1.32	1.24
661-SMH63VN682MT2	SMH63VN682M30X40T2	6800	0.037	4.55	4.17	3.79	3.03
661-SMH63VN123M	SMH63VN123M35X45T2	12000	0.021	7.19	6.39	5.75	5.43
80 Volt							
661-SMH80VN332M	SMH80VN332M25X40T2	3300	0.075	2.97	2.64	2.38	2.24
661-SMH80VN472M	SMH80VN472M35X30T2	4700	0.053	4.87	4.33	3.90	3.68
100 Volt							
661-SMH100VN562M	SMH100VN562M35X45T2	5600	0.044	7.28	6.47	5.83	5.50
160 Volt							
661-SMH160VN391M	SMH160VN391M22X25T2	390	0.425	1.88	1.67	1.50	1.42
200 Volt							
661-SMH200VN102MT2	SMH200VN102M30X40T2	1000	0.166	4.58	4.20	3.81	3.05
661-SMH200VN102M	SMH200VN102M35X30T2	1000	0.249	5.45	4.85	4.36	4.12
661-SMH200VN152MT2	SMH200VN152M35X40T2	1500	0.166	6.71	6.15	5.59	4.47
661-SMH200VN182MT2	SMH200VN182M35X45T2	1800	0.138	8.60	7.88	7.16	5.73
661-SMH200VN222M	SMH200VN222M35X50T2	2200	0.113	7.47	6.64	5.98	5.64
250 Volt							
661-SMH250VN561M	SMH250VN561M25X40T2	560	0.296	3.55	3.15	2.84	2.68
661-SMH250VN102M	SMH250VN102M35X40T2	1000	0.249	7.07	6.29	5.66	5.35
400 Volt							
661-SMH400VN101M	SMH400VN101M22X30T2	100	2.486	2.26	2.01	1.81	1.71
661-SMH400VN151M	SMH400VN151M22X35T2	150	1.658	2.46	2.19	1.97	1.86
661-SMH400VN471MT2A	SMH400VN471M35X40T2	470	0.529	7.48	6.86	6.24	4.99
661-SMH400VN561M	SMH400VN561M35X45T2	560	0.444	6.22	5.53	4.97	4.70
661-SMH400VN561MT2	SMH400VN561M35X50T2	560	0.444	8.81	8.08	7.35	5.88
661-SMH400VN681MT2	SMH400VN681M35X50T2	680	0.366	10.14	9.30	8.45	6.76
450 Volt							
661-SMH450VN181MT2	SMH450VN181M35X25T2	180	1.381	5.47	5.02	4.56	3.65
661-SMH450VN271MT2	SMH450VN271M30X40T2	270	0.921	6.28	5.76	5.23	4.19
661-SMH450VN391MT2	SMH450VN391M35X45T2	390	0.638	10.27	9.42	8.56	6.85
661-SMH450VN471MT2	SMH450VN471M35X50T2	470	0.529	9.15	8.39	7.63	6.10

VISHAY / SPRAGUE Computer Grade Aluminum Capacitors

VISHAY / SPRAGUE 36DY 85°C SCREW TERMINAL HIGH CAPACITANCE SERIES

Features:
- The industry standard for large can aluminum capacitors
- Ideal for high wattage power supplies and energy storage applications
- Capacitance values to 2.2 farads
- Largest CV available
- Highest voltage available

Performance Characteristics:
- Operating temperature: -40°C to +85°C
- Capacitance tolerance: -10%, +50%
- Life validation test: 2000 hours @ + 85°C
  - Δ CAP ≤ 15% from initial measurement
  - Δ ESR ≤ 1.5 x initial specified limit
  - Δ DCL ≤ initial specified limit



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Case DxL (In.)	Price Each			
Mfr. Mfr. Part Number			1	10	25	50
25 Volt						
75—36DY123F025AA2A	12000	1.375 x 2.125	7.24	6.52	6.15	5.43
75—36DY563F025BL2A	56000	2.000 x 3.625	14.02	12.62	11.92	10.52
75—36DY683F025BC2A	68000	2.000 x 4.125	15.76	14.18	13.40	11.82
75—36DY104F025BF2A	100000	2.000 x 5.625	19.20	17.28	16.32	14.40
40 Volt						
75—36DY712F040AA2A	7100	1.375 x 2.125	7.36	6.62	6.26	5.52
75—36DY333F040BL2A	33000	2.000 x 3.625	13.80	12.42	11.73	10.35
75—36DY403F040BC2A	40000	2.000 x 4.125	15.56	14.00	13.23	11.67
75—36DY823F040CD2A	82000	2.500 x 4.625	25.02	22.52	21.27	18.77
75—36DY104F040DC2A	100000	3.000 x 4.125	29.18	26.26	24.80	21.89
50 Volt						
75—36DY562F050AA2A	5600	1.375 x 2.125	7.22	6.50	6.14	5.42
75—36DY103F050AB2A	10000	1.375 x 3.125	8.08	7.27	6.87	6.06
75—36DY153F050BM2A	15000	2.000 x 2.625	12.06	10.85	10.25	9.05
75—36DY273F050BL2A	27000	2.000 x 3.625	14.88	13.39	12.65	11.16
75—36DY563F050CC2A	56000	2.500 x 4.125	24.26	21.83	20.62	18.20
75—36DY683F050DL2A	68000	3.000 x 3.625	27.78	25.00	23.61	20.84
75 Volt						
75—36DY183F075BC2A	18000	2.000 x 4.125	17.92	16.13	15.23	13.44
75—36DY223F075CB2A	22000	2.500 x 3.125	21.98	19.78	18.68	16.49
75—36DY333F075CC2A	33000	2.500 x 4.125	29.46	26.51	25.04	22.10
75—36DY393F075CD2A	39000	2.500 x 4.625	32.00	28.80	27.20	24.00
75—36DY473F075DC2A	47000	3.000 x 4.125	38.16	34.34	32.44	28.62
100 Volt						
75—36DY102F100AN2A	1000	1.375 x 1.625	7.06	6.35	6.00	5.30
75—36DY472F100AC2A	4700	1.375 x 4.125	10.60	9.54	9.01	7.95
75—36DY822F100BL2A	8200	2.000 x 3.625	15.48	13.93	13.16	11.61
75—36DY103F100CB2A	10000	2.500 x 3.125	19.08	17.17	16.22	14.31
75—36DY223F100CF2A	22000	2.500 x 5.625	30.36	27.32	25.81	22.77

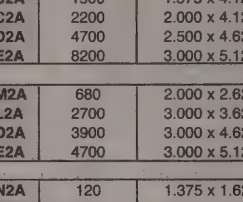
For quantities of 100 and up, call for quo

MOUSER STOCK NO.	Value (μF)	Case DxL (In.)	Price Each			
Mfr. Mfr. Part Number			1	10	25	50
150 Volt						
75—36DY332F150BC2A	3300	2.000 x 4.125	15.48	13.93	13.16	11.6
75—36DY392F150BD2A	3900	2.000 x 4.625	17.52	15.77	14.89	13.1
75—36DY123F150DE2A	12000	3.000 x 5.125	37.32	33.59	31.72	27.9
75—36DY223F150DJ2A	22000	3.000 x 8.625	70.12	63.11	59.60	52.5
200 Volt						
75—36DY561F200AA2A	560	1.375 x 2.125	8.90	8.01	7.57	6.6
75—36DY562F200CD2A	5600	2.500 x 4.625	27.32	24.59	23.22	20.4
75—36DY123F200DF2A	12000	3.000 x 5.625	47.78	43.00	40.61	35.8
75—36DY183F200DJ2A	18000	3.000 x 8.625	76.58	68.92	65.09	57.4
250 Volt						
75—36DY152F250AC2A	1500	1.375 x 4.125	13.58	12.22	11.54	10.1
75—36DY222F250BC2A	2200	2.000 x 4.125	18.74	16.87	15.93	14.0
75—36DY472F250CD2A	4700	2.500 x 4.625	33.12	29.81	28.15	24.8
75—36DY822F250DE2A	8200	3.000 x 5.125	47.86	43.07	40.68	35.9
350 Volt						
75—36DY681F350BM2A	680	2.000 x 2.625	15.48	13.93	13.16	11.6
75—36DY272F350DL2A	2700	3.000 x 3.625	38.10	34.29	32.39	28.5
75—36DY392F350DD2A	3900	3.000 x 4.625	49.98	44.98	42.48	37.4
75—36DY472F350DE2A	4700	3.000 x 5.125	57.86	52.07	49.18	43.4
400 Volt						
75—36DY121F400AN2A	120	1.375 x 1.625	7.88	7.09	6.70	5.9
75—36DY392F400DE2A	3900	3.000 x 5.125	56.80	51.12	48.28	42.6
450 Volt						
75—36DY101F450AN2A	100	1.375 x 1.625	8.70	7.83	7.40	6.5
75—36DY102F450BC2A	1000	2.000 x 4.125	24.42	21.98	20.76	18.3
75—36DY152F450BF2A	1500	2.000 x 5.625	31.32	28.19	26.62	23.4
75—36DY182F450CC2A	1800	2.500 x 4.125	38.42	34.58	32.66	28.8
75—36DY332F450DD2A	3300	3.000 x 4.625	62.00	55.80	52.70	46.5

VISHAY / SPRAGUE POWERLYTIC® 36DX 85°C SCREW TERMINAL, HIGH CAPACITANCE., HIGH RIPPLE SERIES

Features:
- High capacitance per case size
- High ripple current
- Low leakage current
- Long shelf life and operating life

Performance Characteristics:
- Operating temperature: -40°C to +85°C
- Capacitance tolerance: +75%, -10% (25 WVDC to 100 WVDC)
  +50%, -10% (200 WVDC to 450 WVDC)



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Case DxL (In.)	Price Each			
Mfr. Mfr. Part Number			1	10	25	50
25 Volt						
75—36DX452G025AA2A	4500	1.375 x 2.125	6.32	5.68	5.37	4.74
75—36DX203G025AF2A	20000	1.375 x 5.625	8.23	7.41	7.00	6.17
75—36DX303G025BC2A	30000	2.000 x 4.125	10.60	9.54	9.01	7.95
75—36DX503G025CC2A	50000	2.500 x 4.125	14.24	12.82	12.10	10.68
40 Volt						
75—36DX292G040AA2A	2900	1.375 x 2.125	5.95	5.36	5.06	4.47
75—36DX872G040AC2A	8700	1.375 x 4.125	7.30	6.57	6.21	5.48
75—36DX203G040BC2A	20000	2.000 x 4.125	10.80	9.72	9.18	8.10
75—36DX343G040CC2A	34000	2.500 x 4.125	15.12	13.61	12.85	11.34
75—36DX513G040CF2A	51000	2.500 x 5.625	19.56	17.60	16.63	14.67
50 Volt						
75—36DX242G050AA2A	2400	1.375 x 2.125	6.26	5.64	5.32	4.70
75—36DX482G050AB2A	4800	1.375 x 3.125	6.77	6.09	5.75	5.08
75—36DX722G050AC2A	7200	1.375 x 4.125	8.26	7.43	7.02	6.20
75—36DX163G050BC2A	16000	2.000 x 4.125	11.20	10.08	9.52	8.40
75—36DX273G050CC2A	27000	2.500 x 4.125	17.46	15.71	14.84	13.10
75—36DX413G050DC2A	41000	3.000 x 4.125	23.20	20.88	19.72	17.40
75 Volt						
75—36DX282G075AB2A	2800	1.375 x 4.125	7.46	6.71	6.34	5.60
75—36DX422G075AC2A	4200	1.375 x 4.125	7.96	7.16	6.76	5.97
75—36DX103G075BC2A	10000	2.000 x 4.125	12.56	11.30	10.68	9.42
75—36DX173G075CC2A	17000	2.500 x 4.125	18.34	16.51	15.59	13.76

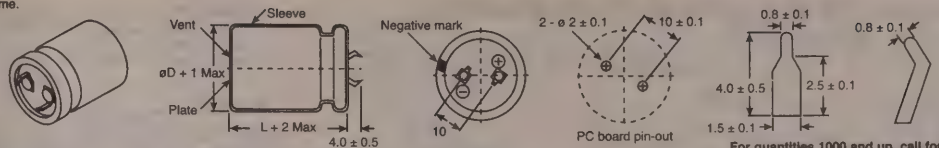
For quantities of 100 and up, call for qu

MOUSER STOCK NO.	Value (μF)	Case DxL (In.)	Price Each			
Mfr. Mfr. Part Number			1	10	25	50
100 Volt						
75—36DX262G100AC2A	2600	1.375 x 4.125	8.58	7.72	7.29	6.4
75—36DX982G100CC2A	9800	2.500 x 4.125	18.96	17.06	16.12	14.2
200 Volt						
75—36DX851F200AC2A	850	1.375 x 4.125	8.72	7.85	7.41	6.5
75—36DX202F200BC2A	2000	2.000 x 4.125	13.76	12.38	11.70	10.3
75—36DX282F200BC2A	2800	2.000 x 4.125	15.69	14.12	13.33	11.7
75—36DX342F200CC2A	3400	2.500 x 4.125	19.22	17.30	16.34	14.4
75—36DX123F200DJ2A	12000	3.000 x 8.625	60.12	54.11	51.10	45.0
250 Volt						
75—36DX251F250AA2A	250	1.375 x 2.125	7.50	6.75	6.38	5.6
75—36DX501F250AB2A	500	1.375 x 3.215	7.95	7.16	6.76	5.9
75—36DX292F250CC2A	2900	2.500 x 4.125	23.62	21.26	20.08	17.7
75—36DX422F250CF2A	4200	2.500 x 5.625	30.04	27.04	25.53	22.5
75—36DX103F250DJ2A	10000	3.000 x 8.625	62.80	56.52	53.38	47.1
350 Volt						
75—36DX261F350AB2A	260	1.375 x 3.215	8.85	7.97	7.52	6.6
75—36DX381F350AC2A	380	1.375 x 4.125	10.80	9.72	9.18	8.1
75—36DX332F350DF2A	3300	3.000 x 5.625	42.79	38.51	36.37	32.1
450 Volt						
75—36DX231F450AC2A	230	1.375 x 4.125	10.58	9.52	8.99	7.9
75—36DX381F450BB2A	380	2.000 x 3.215	14.18	12.76	12.05	10.6
75—36DX202F450DF2A	2000	3.000 x 5.625	42.40	38.16	36.04	31.8

XICON Snap Mount Aluminum Electrolytic Capacitors

apin Terminals Solder Directly to PC Board saving process time.
perating Temp Range: -40°C to +85°C
akage Current: .02CV, or 1.5mA, whichever is smaller
ad Life Test: 2000 hours

DIMENSIONS (mm)



VDC

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Xicon Part Number	Value (µF)	Ripple Current (mA/rms)	Diameter	Length	Price Each 1	10	100	500
0-LS472M1E-2025	LS472M1E-2025	4700	2310	20	25	1.42	1.07	.97	.75
0-LS682M1E-2230	LS682M1E-2230	6800	2560	22	30	1.86	1.40	1.27	.98
0-LS103M1E-2240	LS103M1E-2240	10000	3180	22	40	2.40	1.81	1.64	1.27
0-LS223M1E-3045	LS223M1E-3045	22000	5260	30	45	4.62	3.48	3.15	2.44

VDC

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Xicon Part Number	Value (µF)	Ripple Current (mA/rms)	Diameter	Length	Price Each 1	10	100	500
0-LS472M1V-2525	LS472M1V-2525	4700	2420	25	25	2.01	1.52	1.37	1.07
0-LS682M1V-2530	LS682M1V-2530	6800	2890	25	30	2.48	1.87	1.69	1.32
0-LS103M1V-2250	LS103M1V-2250	10000	3590	22	50	3.30	2.49	2.25	1.75
0-LS223M1V-3545	LS223M1V-3545	22000	6380	35	45	7.98	6.02	5.44	4.23
0-LS333M1V-3550	LS333M1V-3550	33000	7020	35	50	9.92	7.48	6.59	5.26

VDC

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Xicon Part Number	Value (µF)	Ripple Current (mA/rms)	Diameter	Length	Price Each 1	10	100	500
0-LS332M1H-2230	LS332M1H-2230	3300	2410	22	30	1.79	1.49	1.35	1.25
0-LS472M1H-2530	LS472M1H-2530	4700	3030	25	30	2.25	1.75	1.65	1.49
0-LS682M1H-2540	LS682M1H-2540	6800	3870	25	40	2.95	2.30	2.17	1.96
0-LS822M1H-2550	LS822M1H-2550	8200	4370	25	50	3.50	2.73	2.58	2.33
0-LS103M1H-3530	LS103M1H-3530	10000	4920	35	30	3.67	3.27	2.99	2.75
0-LS153M1H-3545	LS153M1H-3545	15000	6440	35	45	5.18	4.90	3.32	3.25

VDC

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Xicon Part Number	Value (µF)	Ripple Current (mA/rms)	Diameter	Length	Price Each 1	10	100	500
0-LS222M1J-2230	LS222M1J-2230	2200	2350	22	30	1.83	1.54	1.39	1.25
0-LS472M1J-2250	LS472M1J-2250	4700	3490	22	50	4.25	3.21	2.89	2.25
0-LS682M1J-3040	LS682M1J-3040	6800	4410	30	40	5.80	4.38	3.95	3.07
0-LS822M1J-3535	LS822M1J-3535	8200	4800	35	35	6.94	5.24	4.73	3.68
0-LS103M1J-3045	LS103M1J-3045	10000	5490	30	45	7.57	5.71	5.16	4.01
0-LS123M1J-3550	LS123M1J-3550	12000	6300	35	50	9.39	7.39	5.99	5.19

) VDC

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Xicon Part Number	Value (µF)	Ripple Current (mA/rms)	Diameter	Length	Price Each 1	10	100	500
0-LS102M2A-2230	LS102M2A-2230	1000	2120	22	30	2.83	2.32	1.62	1.32
0-LS222M2A-3040	LS222M2A-3040	2200	3100	30	40	5.30	4.34	3.03	2.47

) VDC

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Xicon Part Number	Value (µF)	Ripple Current (mA/rms)	Diameter	Length	Price Each 1	10	100	500
0-LS221M2D-2225	LS221M2D-2225	220	1180	22	25	2.19	1.79	1.25	1.02
0-LS271M2D-2225	LS271M2D-2225	270	1300	22	25	2.25	1.88	1.29	1.09
0-LS331M2D-2525	LS331M2D-2525	330	1430	25	25	2.51	2.06	1.44	1.17
0-LS471M2D-2235	LS471M2D-2235	470	1880	22	35	2.87	2.35	1.65	1.34
0-LS681M2D-2535	LS681M2D-2535	680	2360	25	35	4.02	3.30	2.31	1.88
0-LS821M2D-2250	LS821M2D-2250	820	2680	22	50	4.65	3.82	2.67	2.17
0-LS102M2D-2545	LS102M2D-2545	1000	3120	25	45	5.52	4.54	3.17	2.58
0-LS122M2D-3045	LS122M2D-3045	1200	3530	30	45	6.97	5.73	4.00	3.26
0-LS222M2D-3550	LS222M2D-3550	2200	5000	35	50	7.25	5.82	4.18	3.90

) VDC

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Xicon Part Number	Value (µF)	Ripple Current (mA/rms)	Diameter	Length	Price Each 1	10	100	500
0-LS680M2G-2225	LS680M2G-2225	68	720	22	25	1.68	1.38	.96	.80
0-LS820M2G-2225	LS820M2G-2225	82	800	22	25	2.55	1.99	1.43	1.19
0-LS101M2G-2230	LS101M2G-2230	100	940	22	30	2.60	2.13	1.49	1.24
0-LS121M2G-2525	LS121M2G-2525	120	1080	25	25	2.97	2.43	1.70	1.41
0-LS181M2G-2530	LS181M2G-2530	180	1370	25	30	3.64	2.98	2.09	1.73
0-LS221M2G-2540	LS221M2G-2540	220	1620	25	40	4.18	3.43	2.40	1.99
0-LS271M2G-2545	LS271M2G-2545	270	1760	25	45	5.30	4.35	3.04	2.52
0-LS331M2G-2550	LS331M2G-2550	330	1900	25	50	6.59	5.41	3.78	3.13
0-LS471M2G-3050	LS471M2G-3050	470	2400	30	50	7.49	6.59	4.99	4.05

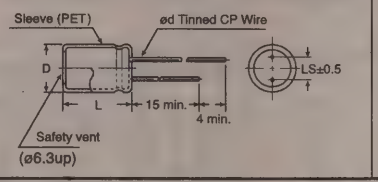
) VDC

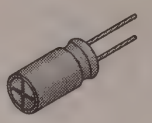
For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Xicon Part Number	Value (µF)	Ripple Current (mA/rms)	Diameter	Length	Price Each 1	10	100	500
0-LS680M2W-2225	LS680M2W-2225	68	720	22	25	2.10	1.78	1.28	.96
0-LS101M2W-2235	LS101M2W-2235	100	1000	22	35	2.77	2.34	1.68	1.26
0-LS121M2W-2240	LS121M2W-2240	120	1150	22	40	3.14	2.65	1.91	1.43
0-LS181M2W-2250	LS181M2W-2250	180	1510	22	50	4.30	3.63	2.61	1.96
0-LS221M2W-2545	LS221M2W-2545	220	1650	25	45	5.10	4.30	3.09	2.32
0-LS271M2W-3040	LS271M2W-3040	270	1830	30	40	6.18	5.21	3.75	2.81
0-LS331M2W-3050	LS331M2W-3050	330	2190	30	50	6.75	5.99	4.25	3.49
0-LS391M2W-3550	LS391M2W-3550	390	2340	35	50	7.14	6.04	4.35	3.63
0-LS471M2W-3550	LS471M2W-3550	470	2630	35	50	8.37	7.08	5.10	4.26

nichicon UVR 85°C GENERAL PURPOSE SERIES (LEAD FREE)

DIMENSIONS (mm)





Specifications:

- Operating temperature range: -40°C ~ +85°C (6.3 ~ 400V), -25°C ~ +85°C (450V)
- Voltage range: 6.3 ~ 450V
- Capacitance range: 0.1 ~ 33000µF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Endurance: 2000 hours @ 85°C

Leakage Current

6.3V ~ 100V	160V ~ 450V
After 1 minute application of rated voltage, leakage current is not more than 0.03CV or 4 (µA), whichever is greater.	After 1 minute application of rated voltage, CV ≤ 1000: I = 0.1CV + 40µA or less.
After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.	After 1 minutes application of rated voltage, CV > 1000: I = 0.04CV + 100µA or less.

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

LEAD-FREE

For quantities of 1000 and up, call for quote.

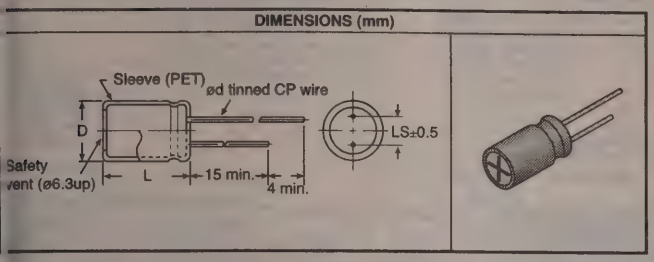
MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
6.3 Volt								
647-UVR0J101MDD	UVR0J101MDD	100	5 x 11	2.0	.18	.11	.08	.05
647-UVR0J221MDD	UVR0J221MDD	220	5 x 11	2.0	.23	.15	.10	.07
647-UVR0J331MED	UVR0J331MED	330	6.3 x 11	2.5	.24	.16	.11	.08
647-UVR0J471MED	UVR0J471MED	470	6.3 x 11	2.5	.29	.19	.13	.09
647-UVR0J102MPD	UVR0J102MPD	1000	8 x 11.5	3.5	.34	.25	.18	.13
647-UVR0J222MPD	UVR0J222MPD	2200	10 x 20	5.0	.53	.40	.28	.20
647-UVR0J332MPD	UVR0J332MPD	3300	10 x 20	5.0	.64	.48	.35	.25
647-UVR0J472MHD	UVR0J472MHD	4700	12.5 x 20	5.0	.92	.69	.51	.37
647-UVR0J682MHD	UVR0J682MHD	6800	12.5 x 25	5.0	1.17	.88	.66	.47
647-UVR0J103MHD	UVR0J103MHD	10000	16 x 25	7.5	1.67	1.25	.94	.67
647-UVR0J153MHD	UVR0J153MHD	15000	16 x 35.5	7.5	2.09	1.58	1.19	.89
647-UVR0J223MHD	UVR0J223MHD	22000	18 x 40	7.5	2.99	2.26	1.71	1.28
10 Volt								
647-UVR1A101MDD	UVR1A101MDD	100	5 x 11	2.0	.18	.12	.08	.05
647-UVR1A221MED	UVR1A221MED	220	6.3 x 11	2.5	.26	.16	.11	.07
647-UVR1A331MED	UVR1A331MED	330	6.3 x 11	2.5	.29	.19	.13	.09
647-UVR1A471MED	UVR1A471MED	470	6.3 x 11	2.5	.32	.22	.16	.11
647-UVR1A102MPD	UVR1A102MPD	1000	10 x 12.5	5.0	.38	.28	.20	.14
647-UVR1A222MPD	UVR1A222MPD	2200	10 x 20	5.0	.58	.42	.31	.22
647-UVR1A332MHD	UVR1A332MHD	3300	12.5 x 20	5.0	.89	.65	.48	.35
647-UVR1A472MHD	UVR1A472MHD	4700	12.5 x 25	5.0	1.10	.82	.61	.43
647-UVR1A682MHD	UVR1A682MHD	6800	16 x 25	7.5	1.55	1.16	.87	.62
647-UVR1A103MHD	UVR1A103MHD	10000	16 x 35.5	7.5	1.87	1.41	1.06	.80
647-UVR1A153MHD	UVR1A153MHD	15000	18 x 35.5	7.5	1.98	1.49	1.11	.79
16 Volt								
647-UVR1C100MDD	UVR1C100MDD	10	5 x 11	2.0	.18	.11	.08	.05
647-UVR1C220MDD	UVR1C220MDD	22	5 x 11	2.0	.16	.14	.07	.05
647-UVR1C330MDD	UVR1C330MDD	33	5 x 11	2.0	.16	.10	.07	.05
647-UVR1C470MDD	UVR1C470MDD	47	5 x 11	2.0	.16	.10	.07	.05
647-UVR1C101MDD	UVR1C101MDD	100	5 x 11	2.0	.21	.13	.09	.06
647-UVR1C221MED	UVR1C221MED	220	6.3 x 11	2.5	.26	.17	.12	.08
647-UVR1C331MPD	UVR1C331MPD	330	8 x 11.5	3.5	.30	.20	.14	.10
647-UVR1C471MPD	UVR1C471MPD	470	8 x 11.5	3.5	.30	.22	.16	.12
647-UVR1C102MPD	UVR1C102MPD	1000	10 x 16	5.0	.51	.37	.27	.19
647-UVR1C222MHD	UVR1C222MHD	2200	12.5 x 20	5.0	.77	.58	.42	.30
647-UVR1C332MHD	UVR1C332MHD	3300	12.5 x 25	5.0	1.14	.86	.64	.45
647-UVR1C472MHD	UVR1C472MHD	4700	16 x 25	7.5	1.42	1.06	.79	.57
647-UVR1C682MHD	UVR1C682MHD	6800	16 x 35.5	7.5	1.90	1.43	1.06	.76
647-UVR1C103MHD	UVR1C103MHD	10000	18 x 35.5	7.5	1.98	1.48	1.11	.79
25 Volt								
647-UVR1E100MDD	UVR1E100MDD	10	5 x 11	2.0	.18	.11	.08	.05
647-UVR1E220MDD	UVR1E220MDD	22	5 x 11	2.0	.18	.11	.08	.05
647-UVR1E330MDD	UVR1E330MDD	33	5 x 11	2.0	.17	.13	.09	.06
647-UVR1E470MDD	UVR1E470MDD	47	5 x 11	2.0	.18	.12	.08	.06
647-UVR1E101MED	UVR1E101MED	100	6.3 x 11	2.5	.26	.16	.11	.07
647-UVR1E221MPD	UVR1E221MPD	220	8 x 11.5	3.5	.32	.22	.15	.11
647-UVR1E331MPD	UVR1E331MPD	330	10 x 12.5	5.0	.30	.22	.16	.12
647-UVR1E471MPD	UVR1E471MPD	470	10 x 12.5	5.0	.40	.30	.21	.15
647-UVR1E102MPD	UVR1E102MPD	1000	10 x 20	5.0	.57	.42	.31	.22
647-UVR1E222MHD	UVR1E222MHD	2200	12.5 x 25	5.0	1.02	.76	.57	.41
647-UVR1E332MHD	UVR1E332MHD	3300	16 x 25	7.5	1.50	1.13	.85	.60
647-UVR1E472MHD	UVR1E472MHD	4700	16 x 31.5	7.5	1.90	1.42	1.07	.76
647-UVR1E682MHD	UVR1E682MHD	6800	18 x 35.5	7.5	2.00	1.51	1.14	.86
35 Volt								
647-UVR1V100MDD	UVR1V100MDD	10	5 x 11	2.0	.18	.11	.08	.05
647-UVR1V220MDD	UVR1V220MDD	22	5 x 11	2.0	.18	.11	.08	.05
647-UVR1V330MDD	UVR1V330MDD	33	5 x 11	2.0	.20	.13	.09	.06
647-UVR1V470MDD	UVR1V470MDD	47	5 x 11	2.0	.20	.13	.09	.06
647-UVR1V101MED	UVR1V101MED	100	6.3 x 11	2.5	.26	.17	.12	.08
647-UVR1V221MPD	UVR1V221MPD	220	10 x 12.5	5.0	.36	.29	.20	.14
647-UVR1V331MPD	UVR1V331MPD	330	10 x 12.5	5.0	.43	.32	.23	.16
647-UVR1V471MPD	UVR1V471MPD	470	10 x 16	5.0	.50	.37	.26	.19
647-UVR1V102MHD	UVR1V102MHD	1000	12.5 x 20	5.0	.92	.68	.50	.36
647-UVR1V222MHD	UVR1V222MHD	2200	16 x 25	7.5	1.44	1.07	.80	.57
647-UVR1V332MHD	UVR1V332MHD	3300	16 x 35.5	7.5	1.90	1.42	1.07	.76
647-UVR1V472MHD	UVR1V472MHD	4700	18 x 35.5	7.5	1.86	1.40	1.06	.80
50 Volt								
647-UVR1HR33MDD	UVR1HR33MDD	0.33	5 x 11	2.0	.18	.11	.08	.05
647-UVR1HR47MDD	UVR1HR47MDD	0.47	5 x 11	2.0	.19	.12	.08	.05
647-UVR1H010MDD	UVR1H010MDD	1.0	5 x 11	2.0	.16	.10	.07	.05
647-UVR1H2R2MDD	UVR1H2R2MDD	2.2	5 x 11	2.0	.16	.10	.07	.05
647-UVR1H3R3MDD	UVR1H3R3MDD	3.3	5 x 11	2.0	.16	.10	.07	.05
647-UVR1H4R7MDD	UVR1H4R7MDD	4.7	5 x 11	2.0	.16	.10	.07	.05
647-UVR1H100MDD	UVR1H100MDD	10	5 x 11	2.0	.19	.11	.07	.05
647-UVR1H220MDD	UVR1H220MDD	22	5 x 11	2.0	.19	.11	.07	.05
647-UVR1H330MDD	UVR1H330MDD	33	5 x 11	2.0	.21	.13	.09	.06
647-UVR1H470MED	UVR1H470MED	47	6.3 x 11	2.5	.25	.16	.10	.07
647-UVR1H101MPD	UVR1H101MPD	100	8 x 11.5	3.5	.30	.20	.14	.10
647-UVR1H221MPD	UVR1H221MPD	220	10 x 12.5	5.0	.40	.30	.21	.16

For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
50 Volt (cont.)								
647-UVR1H331MPD	UVR1H331MPD	330	10 x 16	5.0	.53	.39	.29	.21
647-UVR1H471MHD	UVR1H471MHD	470	12.5 x 20	5.0	.63	.47	.34	.25
647-UVR1H102MHD	UVR1H102MHD	1000	12.5 x 25	5.0	1.06	.79	.58	.42
647-UVR1H222MHD	UVR1H222MHD	2200	16 x 35.5	7.5	1.90	1.42	1.07	.76
647-UVR1H332MHD	UVR1H332MHD	3300	18 x 35.5	7.5	2.00	1.52	1.14	.85
63 Volt								
647-UVR1J100MDD	UVR1J100MDD	10	5 x 11	2.0	.20	.13	.09	.06
647-UVR1J220MDD	UVR1J220MDD	22	5 x 11	2.0	.22	.14	.09	.06
647-UVR1J330MED	UVR1J330MED	33	6.3 x 11	2.5	.23	.16	.11	.08
647-UVR1J470MED	UVR1J470MED	47	6.3 x 11	2.5	.30	.20	.14	.09
647-UVR1J101MPD	UVR1J101MPD	100	10 x 12.5	5.0	.33	.24	.17	.13
647-UVR1J221MPD	UVR1J221MPD	220	10 x 16	5.0	.53	.40	.29	.21
647-UVR1J331MPD	UVR1J331MPD	330	10 x 20	5.0	.64	.47	.35	.25
647-UVR1J471MHD	UVR1J471MHD	470	12.5 x 20	5.0	.88	.65	.48	.35
647-UVR1J102MHD	UVR1J102MHD	1000	16 x 25	7.5	1.40	1.05	.79	.56
647-UVR1J222MHD	UVR1J222MHD	2200	18 x 35.5	7.5	1.88	1.42	1.07	.80
100 Volt								
647-UVR2A0R1MDD	UVR2A0R1MDD	0.1	5 x 11	2.0	.20	.13	.09	.06
647-UVR2AR22MDD	UVR2AR22MDD	0.22	5 x 11	2.0	.20	.12	.08	.05
647-UVR2AR33MDD	UVR2AR33MDD	0.33	5 x 11	2.0	.20	.12	.08	.05
647-UVR2AR47MDD	UVR2AR47MDD	0.47	5 x 11	2.0	.20	.12	.08	.05
647-UVR2A010MDD	UVR2A010MDD	1.0	5 x 11	2.0	.20	.13	.09	.06
647-UVR2A2R2MDD	UVR2A2R2MDD	2.2	5 x 11	2.0	.20	.12	.08	.05
647-UVR2A3R3MDD	UVR2A3R3MDD	3.3	5 x 11	2.0	.19	.12	.08	.05
647-UVR2A4R7MDD	UVR2A4R7MDD	4.7	5 x 11	2.0	.20	.13	.09	.06
647-UVR2A100MED	UVR2A100MED	10	6.3 x 11	2.5	.25	.16	.10	.07
647-UVR2A220MED	UVR2A220MED	22	6.3 x 11	2.5	.30	.20	.14	.09
647-UVR2A330MPD	UVR2A330MPD	33	8 x 11.5	3.5	.38	.26	.18	.13
647-UVR2A470MPD	UVR2A470MPD	47	10 x 12.5	5.0	.36	.27	.19	.13
647-UVR2A101MPD	UVR2A101MPD	100	10 x 20	5.0	.58	.43	.31	.22
647-UVR2A221MHD	UVR2A221MHD	220	12.5 x 25	5.0	.96	.70	.52	.37
647-UVR2A331MHD	UVR2A331MHD	330	12.5 x 25	5.0	1.07	.79	.58	.41
647-UVR2A471MHD	UVR2A471MHD	470	16 x 25	7.5	1.40	1.05	.79	.56
647-UVR2A102MHD	UVR2A102MHD	1000	18 x 40	7.5	1.90	1.42	1.07	.76
160 Volt								
647-UVR2C010MED	UVR2C010MED	1.0	6.3 x 11	2.5	.25	.16	.10	.07
647-UVR2C2R2MED	UVR2C2R2MED	2.2	6.3 x 11	2.5	.25	.16	.10	.07
647-UVR2C4R7MED	UVR2C4R7MED	4.7	6.3 x 11	2.5	.24	.15	.10	.07
647-UVR2C100MPD	UVR2C100MPD	10	8 x 11.5	3.5	.33	.21	.15	.11
647-UVR2C220MPD	UVR2C220MPD	22	10 x 16	5.0	.38	.27	.20	.14
647-UVR2C330MPD	UVR2C330MPD	33	10 x 20	5.0	.58	.43	.31	.22
647-UVR2C470MHD	UVR2C470MHD	47	12.5 x 20	5.0	.65	.49	.36	.25
647-UVR2C101MHD	UVR2C101MHD	100	12.5 x 25	5.0	1.03	.76	.56	.39
647-UVR2C221MHD	UVR2C221MHD	220	16 x 35.5	7.5	1.63	1.23	.91	.64
647-UVR2C331MHD	UVR2C331MHD	330	18 x 40	7.5	1.83	1.38	1.05	.74
647-UVR2C471MRD	UVR2C471MRD	470	22 x 40	10.0	3.16	2.39	1.80	1.3
250 Volt								
647-UVR2E010MED	UVR2E010MED	1.0	6.3 x 11	2.5	.24	.15	.10	.0
647-UVR2E2R2MED	UVR2E2R2MED	2.2	6.3 x 11	2.5	.31	.21	.15	.1
647-UVR2E3R3MPD	UVR2E3R3MPD	3.3	8 x 11.5	3.5	.32	.21	.15	.1
647-UVR2E4R7MPD	UVR2E4R7MPD	4.7	8 x 11.5	3.5	.34	.24	.17	.1
647-UVR2E100MPD	UVR2E100MPD	10	10 x 16	5.0	.39	.29	.21	.
647-UVR2E220MHD	UVR2E220MHD	22	12.5 x 20	5.0	.61	.45	.32	.
647-UVR2E330MHD	UVR2E330MHD	33	12.5 x 20	5.0	.65	.49	.36	.
647-UVR2E470MHD	UVR2E470MHD	47	12.5 x 25	5.0	1.02	.76	.56	.
647-UVR2E101MHD	UVR2E101MHD	100	16 x 31.5	7.5	1.79	1.34	1.01	.
647-UVR2E221MRD	UVR2E221MRD	220	20 x 40	10.0	3.37	2.79	2.12	1.
350 Volt								
647-UVR2V010MED	UVR2V010MED	1.0	6.3 x 11	2.5	.26	.18	.12	.
647-UVR2V2R2MPD	UVR2V2R2MPD	2.2	8 x 11.5	3.5	.34	.23	.16	.
647-UVR2V3R3MPD	UVR2V3R3MPD	3.3	10 x 12.5	5.0	.39	.29	.20	.
647-UVR2V4R7MPD	UVR2V4R7MPD	4.7	10 x 12.5	5.0	.39	.29	.20	.
647-UVR2V100MPD	UVR2V100MPD	10	10 x 20	5.0	.57	.42	.30	.
647-UVR2V220MHD	UVR2V220MHD	22	12.5 x 25	5.0	.63	.47	.35	.
647-UVR2V330MHD	UVR2V330MHD	33	16 x 25	7.5	1.08	.80	.59	.
647-UVR2V470MHD	UVR2V470MHD	47	16 x 35.5	7.5	1.74	1.30	.98	.
647-UVR2V101MHD	UVR2V101MHD	100	18 x 40	7.5	1.78	1.34	1.02	.
400 Volt								
647-UVR2G010MPD	UVR2G010MPD	1.0	8 x 11.5	3.5	.30	.21	.14	.
647-UVR2G2R2MPD	UVR2G2R2MPD	2.2	10 x 12.5	5.0	.38	.27	.19	.
647-UVR2G4R7MPD	UVR2G4R7MPD	4.7	10 x 16	5.0	.39	.29	.20	.
647-UVR2G100MHD	UVR2G100MHD	10	12.5 x 20	5.0	.58	.43	.31	.
450 Volt								
647-UVR2W3R3MPD	UVR2W3R3MPD	3.3	10 x 16	5.0	.39	.29	.21	.
647-UVR2W220MHD	UVR2W220MHD	22	16 x 25	7.5	1.07	.80	.60	.
647-UVR2W330MHD	UVR2W330MHD	33	16 x 35.5	7.5	1.89	1.42	1.06	.

nichicon UVZ SERIES 105°C CAPACITORS (LEAD FREE)

DIMENSIONS (mm)



Specifications:

- Operating temperature range: -55°C ~ +105°C (6.3 ~ 100V), -40°C ~ +105°C (60 ~ 400V), -25°C ~ +105°C (450V)
- Voltage range: 6.3 ~ 450V
- Capacitance range: 0.1 ~ 33000μF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Small case sizes as VR series, but operating over wide temperature range of -55°C ~ 105°C

Application note:

- A higher voltage capacitor may be used in a lower voltage application

Endurance:

- 1000 hours @ 105°C

LEAD-FREE

Leakage Current:

6.3V ~ 100V	160V ~ 450V
After 1 minute application of rated voltage, leakage current is not more than 0.03CV or 4 (μA), whichever is greater. After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (μA), whichever is greater.	After 1 minute application of rated voltage, CV ≤ 1000: I = 0.1CV + 40μA or less. After 1 minutes application of rated voltage, CV > 1000: I = 0.04CV + 100μA or less.

For quantities of 1000 and up, call for quote.

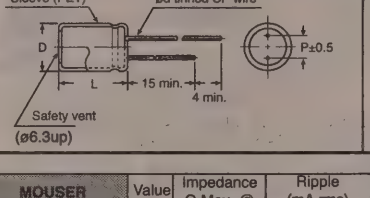
MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
.3 Volt								
47-UVZ0J101MDD	UVZ0J101MDD	100	5 x 11	2	.22	.17	.12	.08
47-UVZ0J221MDD	UVZ0J221MDD	220	5 x 11	2	.28	.18	.13	.09
47-UVZ0J331MED	UVZ0J331MED	330	6.3 x 11	2.5	.33	.22	.16	.11
47-UVZ0J471MED	UVZ0J471MED	470	6.3 x 11	2.5	.32	.24	.17	.12
47-UVZ0J102MPD	UVZ0J102MPD	1000	8 x 11.5	3.5	.25	.17	.12	.08
47-UVZ0J222MPD	UVZ0J222MPD	2200	10 x 20	5	.65	.45	.31	.25
47-UVZ0J332MPD	UVZ0J332MPD	3300	10 x 20	5	.72	.53	.39	.28
47-UVZ0J472MHD	UVZ0J472MHD	4700	12.5 x 20	5	1.05	.79	.59	.42
47-UVZ0J682MHD	UVZ0J682MHD	6800	12.5 x 25	5	1.43	1.07	.80	.57
47-UVZ0J103MHD	UVZ0J103MHD	10000	16 x 25	7.5	1.79	1.35	1.02	.77
47-UVZ0J153MHD	UVZ0J153MHD	15000	16 x 35.5	7.5	2.25	1.69	1.27	.90
47-UVZ0J223MHD	UVZ0J223MHD	22000	18 x 40	7.5	2.00	1.50	2.09	1.13
0 Volt								
47-UVZ1A101MDD	UVZ1A101MDD	100	5 x 11	2	.23	.15	.11	.07
47-UVZ1A221MED	UVZ1A221MED	220	6.3 x 11	2.5	.33	.21	.15	.11
47-UVZ1A331MED	UVZ1A331MED	330	6.3 x 11	2.5	.32	.24	.17	.12
47-UVZ1A471MED	UVZ1A471MED	470	6.3 x 11	2.5	.39	.29	.20	.15
47-UVZ1A102MPD	UVZ1A102MPD	1000	10 x 12.5	5	.54	.40	.30	.21
47-UVZ1A222MPD	UVZ1A222MPD	2200	10 x 20	5	.72	.53	.39	.28
47-UVZ1A332MHD	UVZ1A332MHD	3300	12.5 x 20	5	1.04	.75	.56	.40
47-UVZ1A472MHD	UVZ1A472MHD	4700	12.5 x 25	5	1.29	.97	.72	.51
47-UVZ1A682MHD	UVZ1A682MHD	6800	16 x 25	7.5	1.89	1.42	1.07	.76
47-UVZ1A103MHD	UVZ1A103MHD	10000	16 x 35.5	7.5	2.24	1.69	1.27	.94
47-UVZ1A153MHD	UVZ1A153MHD	15000	18 x 35.5	7.5	2.38	1.80	1.35	1.01
6 Volt								
47-UVZ1C470MDD	UVZ1C470MDD	47	5 x 11	2	.24	.17	.12	.08
47-UVZ1C101MDD	UVZ1C101MDD	100	5 x 11	2	.28	.18	.13	.09
47-UVZ1C221MED	UVZ1C221MED	220	6.3 x 11	2.5	.32	.24	.17	.12
47-UVZ1C331MPD	UVZ1C331MPD	330	8 x 11.5	3.5	.39	.29	.20	.15
47-UVZ1C471MPD	UVZ1C471MPD	470	8 x 11.5	3.5	.43	.31	.22	.16
47-UVZ1C102MPD	UVZ1C102MPD	1000	10 x 16	5	.64	.40	.35	.25
47-UVZ1C222MHD	UVZ1C222MHD	2200	12.5 x 20	5	1.01	.75	.56	.40
47-UVZ1C332MHD	UVZ1C332MHD	3300	12.5 x 25	5	1.41	1.06	.79	.56
47-UVZ1C472MHD	UVZ1C472MHD	4700	16 x 25	7.5	1.85	1.42	1.00	.75
47-UVZ1C682MHD	UVZ1C682MHD	6800	16 x 35.5	7.5	2.24	1.69	1.27	.94
47-UVZ1C103MHD	UVZ1C103MHD	10000	18 x 35	7.5	2.38	1.80	1.35	1.01
5 Volt								
47-UVZ1E470MDD	UVZ1E470MDD	47	5 x 11	2	.22	.13	.09	.05
47-UVZ1E101MED	UVZ1E101MED	100	6.3 x 11	2.5	.28	.17	.11	.07
47-UVZ1E221MPD	UVZ1E221MPD	220	8 x 11.5	3.5	.39	.29	.20	.15
47-UVZ1E331MPD	UVZ1E331MPD	330	10 x 12.5	5	.37	.27	.20	.13
47-UVZ1E471MPD	UVZ1E471MPD	470	10 x 12.5	5	.33	.25	.17	.12
47-UVZ1E102MPD	UVZ1E102MPD	1000	10 x 20	5	.63	.47	.34	.24
47-UVZ1E222MHD	UVZ1E222MHD	2200	12.5 x 25	5	1.39	1.04	.78	.55
47-UVZ1E332MHD	UVZ1E332MHD	3300	16 x 25	7.5	1.15	.86	.64	.46
47-UVZ1E472MHD	UVZ1E472MHD	4700	16 x 31.5	7.5	1.34	1.01	.75	.53
47-UVZ1E682MHD	UVZ1E682MHD	6800	18 x 35.5	7.5	2.64	1.99	1.50	1.12
5 Volt								
47-UVZ1V330MDD	UVZ1V330MDD	33	5 x 11	2	.26	.19	.13	.09
47-UVZ1V470MDD	UVZ1V470MDD	47	5 x 11	2	.22	.13	.09	.06
47-UVZ1V101MED	UVZ1V101MED	100	6.3 x 11	2.5	.35	.24	.17	.12
47-UVZ1V221MPD	UVZ1V221MPD	220	10 x 12.5	5	.48	.35	.25	.18
47-UVZ1V331MPD	UVZ1V331MPD	330	10 x 12.5	5	.44	.32	.22	.16
47-UVZ1V471MPD	UVZ1V471MPD	470	10 x 16	5	.64	.48	.35	.25
47-UVZ1V102MHD	UVZ1V102MHD	1000	12.5 x 20	5	1.01	.75	.56	.40
47-UVZ1V222MHD	UVZ1V222MHD	2200	16 x 25	7.5	1.70	1.27	.95	.67
47-UVZ1V332MHD	UVZ1V332MHD	3300	16 x 35.5	7.5	2.24	1.69	1.27	.94
47-UVZ1V472MHD	UVZ1V472MHD	4700	18 x 35.5	7.5	2.39	1.80	1.36	1.02
5 Volt								
47-UVZ1H0R1MDD	UVZ1H0R1MDD	0.1	5 x 11	2	.27	.16	.11	.07
47-UVZ1HR22MDD	UVZ1HR22MDD	0.22	5 x 11	2	.25	.16	.11	.07
47-UVZ1HR33MDD	UVZ1HR33MDD	0.33	5 x 11	2	.25	.16	.11	.07
47-UVZ1HR47MDD	UVZ1HR47MDD	0.47	5 x 11	2	.25	.16	.11	.07
47-UVZ1H010MDD	UVZ1H010MDD	1	5 x 11	2	.22	.13	.09	.06
47-UVZ1H2R2MDD	UVZ1H2R2MDD	2.2	5 x 11	2	.22	.13	.09	.06
47-UVZ1H3R3MDD	UVZ1H3R3MDD	3.3	5 x 11	2	.26	.16	.11	.07
47-UVZ1H4R7MDD	UVZ1H4R7MDD	4.7	5 x 11	2	.22	.13	.09	.06
47-UVZ1H100MDD	UVZ1H100MDD	10	5 x 11	2	.24	.17	.11	.08
47-UVZ1H220MDD	UVZ1H220MDD	22	5 x 11	2	.23	.19	.13	.08
47-UVZ1H330MDD	UVZ1H330MDD	33	5 x 11	2	.30	.20	.14	.09
47-UVZ1H470MED	UVZ1H470MED	47	6.3 x 11	2.5	.20	.12	.08	.06
47-UVZ1H101MPD	UVZ1H101MPD	100	8 x 11.5	3.5	.39	.29	.20	.15

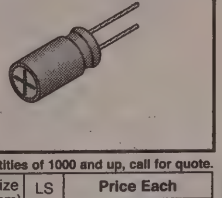
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
50 Volt (cont.)								
647-UVZ1H221MPD	UVZ1H221MPD	220	10 x 12.5	5	.57	.41	.31	.22
647-UVZ1H331MPD	UVZ1H331MPD	330	10 x 16	5	.59	.43	.30	.22
647-UVZ1H471MHD	UVZ1H471MHD	470	12.5 x 20	5	1.04	.79	.58	.40
647-UVZ1H102MHD	UVZ1H102MHD	1000	12.5 x 25	5	1.00	.74	.54	.39
647-UVZ1H222MHD	UVZ1H222MHD	2200	16 x 35.5	7.5	2.24	1.69	1.27	.94
647-UVZ1H332MHD	UVZ1H332MHD	3300	18 x 35.5	7.5	2.69	2.00	1.53	1.14
63 Volt								
647-UVZ1J100MDD	UVZ1J100MDD	10	5 x 11	2	.24	.16	.12	.08
647-UVZ1J220MDD	UVZ1J220MDD	22	5 x 11	2	.30	.21	.15	.09
647-UVZ1J330MED	UVZ1J330MED	33	6.3 x 11	2.5	.33	.22	.16	.11
647-UVZ1J470MED	UVZ1J470MED	47	6.3 x 11	2.5	.35	.25	.17	.12
647-UVZ1J101MPD	UVZ1J101MPD	100	10 x 12.5	5	.40	.30	.20	.15
647-UVZ1J221MPD	UVZ1J221MPD	220	10 x 16	5	.70	.51	.37	.27
647-UVZ1J331MPD	UVZ1J331MPD	330	10 x 20	5	.79	.59	.43	.30
647-UVZ1J471MHD	UVZ1J471MHD	470	12.5 x 20	5	1.04	.77	.56	.40
647-UVZ1J102MHD	UVZ1J102MHD	1000	16 x 25	7.5	1.67	1.24	.93	.66
647-UVZ1J222MHD	UVZ1J222MHD	2200	18 x 35.5	7.5	2.09	1.58	1.19	1.73
100 Volt								
647-UVZ2AR47MDD	UVZ2AR47MDD	0.47	5 x 11	2	.24	.16	.11	.07
647-UVZ2A010MDD	UVZ2A010MDD	1	5 x 11	2	.25	.16	.11	.07
647-UVZ2A2R2MDD	UVZ2A2R2MDD	2.2	5 x 11	2	.25	.16	.11	.07
647-UVZ2A3R3MDD	UVZ2A3R3MDD	3.3	5 x 11	2	.25	.17	.12	.08
647-UVZ2A4R7MDD	UVZ2A4R7MDD	4.7	5 x 11	2	.25	.17	.12	.08
647-UVZ2A100MED	UVZ2A100MED	10	6.3 x 11	2.5	.32	.22	.15	.10
647-UVZ2A220MED	UVZ2A220MED	22	6.3 x 11	2.5	.37	.25	.17	.12
647-UVZ2A330MPD	UVZ2A330MPD	33	8 x 11.5	3.5	.39	.29	.20	.15
647-UVZ2A470MPD	UVZ2A470MPD	47	10 x 12.5	5	.45	.33	.23	.17
647-UVZ2A101MPD	UVZ2A101MPD	100	10 x 20	5	.63	.46	.33	.24
647-UVZ2A221MHD	UVZ2A221MHD	220	12.5 x 25	5	1.05	.79	.58	.42
647-UVZ2A331MHD	UVZ2A331MHD	330	12.5 x 25	5	1.17	.87	.65	.46
647-UVZ2A471MHD	UVZ2A471MHD	470	16 x 25	7.5	1.66	1.24	.93	.66
647-UVZ2A102MHD	UVZ2A102MHD	1000	18 x 40	7.5	2.39	1.80	1.36	1.01
160 Volt								
647-UVZ2C010MED	UVZ2C010MED	1	6.3 x 11	2.5	.24	.16	.11	.08
647-UVZ2C2R2MED	UVZ2C2R2MED	2.2	6.3 x 11	2.5	.30	.20	.14	.09
647-UVZ2C3R3MED	UVZ2C3R3MED	3.3	6.3 x 11	2.5	.38	.25	.18	.13
647-UVZ2C4R7MED	UVZ2C4R7MED	4.7	6.3 x 11	2.5	.38	.26	.18	.12
647-UVZ2C100MPD	UVZ2C100MPD	10	8 x 11.5	3.5	.39	.28	.20	.15
647-UVZ2C220MPD	UVZ2C220MPD	22	10 x 16	5	.57	.41	.29	.21
647-UVZ2C330MPD	UVZ2C330MPD	33	10 x 20	5	.56	.48	.35	.26
647-UVZ2C470MHD	UVZ2C470MHD	47	12.5 x 20	5	.75	.55	.40	.29
647-UVZ2C101MHD	UVZ2C101MHD	100	12.5 x 25	5	1.09	.81	.61	.43
647-UVZ2C221MHD	UVZ2C221MHD	220	16 x 35.5	7.5	1.88	1.42	1.07	.80
647-UVZ2C331MHD	UVZ2C331MHD	330	18 x 40	7.5	2.35	1.77	1.33	1.00
200 Volt								
647-UVZ2D010MED	UVZ2D010MED	1	6.3 x 11	2.5	.46	.34	.24	.17
647-UVZ2D2R2MED	UVZ2D2R2MED	2.2	6.3 x 11	2.5	.33	.23	.16	.11
647-UVZ2D3R3MED	UVZ2D3R3MED	3.3	6.3 x 11	3.5	.38	.26	.18	.12
647-UVZ2D4R7MPD	UVZ2D4R7MPD	4.7	8 x 11.5	3.5	.39	.29	.21	.15
647-UVZ2D100MPD	UVZ2D100MPD	10	10 x 12.5	5	.49	.36	.26	.18
647-UVZ2D220MPD	UVZ2D220MPD	22	10 x 20	5	.66	.49	.36	.26
647-UVZ2D330MHD	UVZ2D330MHD	33	12.5 x 20	5	.75	.56	.40	.29
647-UVZ2D470MHD	UVZ2D470MHD	47	12.5 x 20	5	.75	.56	.40	.29
647-UVZ2D101MHD	UVZ2D101MHD	100	16 x 31.5	7.5	1.83	1.37	1.03	.73
250 Volt								
647-UVZ2E010MED	UVZ2E010MED	1	6.3 x 11	2.5	.30	.21	.14	.09
647-UVZ2E2R2MED	UVZ2E2R2MED	2.2	6.3 X 11	2.5	.38	.26	.18	.12
647-UVZ2E3R3MPD	UVZ2E3R3MPD	3.3	8 x 11.5	3.5	.38	.26	.18	.12
647-UVZ2E4R7MPD	UVZ2E4R7MPD	4.7	8 x 11.5	3.5	.39	.29	.21	.15
647-UVZ2E100MPD	UVZ2E100MPD	10	10 x 16	5	.57	.42	.29	.21
647-UVZ2E220MHD	UVZ2E220MHD	22	12.5 x 20	5	.66	.49	.36	.26
647-UVZ2E330MHD	UVZ2E330MHD	33	12.5 x 20	5	.75	.56	.40	.29
647-UVZ2E470MHD	UVZ2E470MHD	47	12.5 x 25	5	1.09	.82	.61	.43
647-UVZ2E101MHD	UVZ2E101MHD	100	16 x 31.5	7.5	1.94	1.46	1.10	.83
450 Volt								
647-UVZ2W010MPD	UVZ2W010MPD	1	8 x 11.5	3.5	.37	.27	.19	.13
647-UVZ2W2R2MPD	UVZ2W2R2MPD	2.2	10 x 12.5	5	.47	.35	.25	.18
647-UVZ2W3R3MPD	UVZ2W3R3MPD	3.3	10 x 16	5	.56	.42	.30	.21
647-UVZ2W4R7MPD	UVZ2W4R7MPD	4.7	10 x 20	5	.69	.51	.38	.27
647-UVZ2W100MHD	UVZ2W100MHD	10	12.5 x 20	5	1.04	.78	.58	.41
647-UVZ2W220MHD	UVZ2W220MHD	22	16 x 25	7.5	1.47	1.09	.82	.58
647-UVZ2W330MHD	UVZ2W330MHD	33	16 x 35.5	7.5	1.85	1.39	1.05	.79

nichicon UPW 105°C LOW IMPEDANCE, HIGH REL. SERIES (LEAD FREE)

DIMENSIONS (mm)





Features:

- Low impedance and high reliability
- Endurance: 2000 hours: ØD 5-6.3
  3000 hours: ØD 8
  5000 hours: ØD 10
  7000 hours: ØD 12
  8000 hours: ØD 16-18

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

Specifications:

- Operating temperature range: -55°C ~ +105°C (6.3 ~ 100V)
- Voltage range: 6.3 ~ 100V
- Capacitance range: 0.47 ~ 15000µF
- Capacitance tolerance: ±20% at 120Hz, 20°C

LEAD-FREE

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Impedance Ω Max. @ 20°C/100kHz	Ripple (mA rms) 105°C/100 kHz	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
6.3 Volt									
647-UPW0J221MED	220	0.25	290	6.3 x 11	2.5	.32	.22	.15	.12
647-UPW0J331MED	330	0.25	290	6.3 x 11	2.5	.39	.26	.18	.14
647-UPW0J821MPD	820	0.085	730	8 x 15	3.5	.50	.36	.26	.20
647-UPW0J102MPD	1000	0.068	755	10 x 12.5	5	.55	.40	.29	.24
647-UPW0J122MPD	1200	0.065	995	8 x 20	3.5	.56	.41	.29	.22
647-UPW0J122MPD6	1200	0.068	1050	10 x 16	5	.60	.45	.33	.26
647-UPW0J152MPD	1500	0.052	1220	10 x 20	5	.60	.45	.33	.27
647-UPW0J222MPD6	2200	0.045	1440	10 x 25	5	.79	.59	.43	.36
647-UPW0J332MHD	3300	0.038	1655	12.5 x 20	5	1.04	.77	.56	.44
647-UPW0J392MHD	3900	0.03	1945	12.5 x 25	5	1.15	.86	.65	.55
647-UPW0J472MHD	4700	0.022	2555	16 x 25	7.5	1.18	.89	.65	.54
647-UPW0J472MHD6	4700	0.025	2310	12.5 x 31.5	5	1.18	.89	.65	.54
647-UPW0J562MHD	5600	0.022	2510	12.5 x 35.5	5	1.48	1.10	.82	.69
647-UPW0J682MHD	6800	0.022	2555	16 x 25	7.5	1.51	1.13	.85	.68
647-UPW0J682MHD6	6800	0.028	2490	18 x 20	7.5	1.51	1.13	.85	.68
647-UPW0J103MHD	10000	0.016	3150	16 x 31.5	7.5	1.92	1.45	1.09	.86
647-UPW0J103MHD6	10000	0.02	2740	18 x 25	7.5	1.92	1.45	1.09	.86
647-UPW0J153MHD	15000	0.015	3680	18 x 35.5	7.5	2.37	1.79	1.35	1.17
10 Volt									
647-UPW1A220MDD	22	0.6	180	5 x 11	2	.23	.15	.11	.09
647-UPW1A820MDD	82	0.6	180	5 x 11	2	.26	.17	.12	.10
647-UPW1A101MDD	100	0.6	180	5 x 11	2	.26	.17	.12	.10
647-UPW1A221MED	220	0.25	290	6.3 x 11	2.5	.33	.24	.17	.13
647-UPW1A471MPD	470	0.117	555	8 x 11.5	3.5	.49	.35	.25	.18
647-UPW1A681MPD	681	0.09	755	10 x 12.5	5	.50	.36	.26	.20
647-UPW1A681MPD6	681	0.085	730	8 x 15	3.5	.50	.36	.26	.20
647-UPW1A102MPD	1000	0.068	1050	10 x 16	5	.61	.45	.32	.24
647-UPW1A102MPD6	1000	0.065	995	8 x 20	3.5	.61	.45	.32	.24
647-UPW1A122MPD	1200	0.052	1220	10 x 20	5	.68	.51	.37	.29
647-UPW1A152MPD6	1500	0.45	1440	10 x 25	5	.71	.53	.38	.29
647-UPW1A222MHD	2200	0.038	1655	12.5 x 20	5	1.00	.75	.55	.43
647-UPW1A272MHD	2700	0.03	1945	12.5 x 25	5	1.04	.77	.56	.45
647-UPW1A332MHD	3300	0.03	1945	12.5 x 25	5	.89	.66	.48	.36
647-UPW1A332MHD6	3300	0.025	2310	12.5 x 31.5	5	.89	.66	.48	.36
647-UPW1A392MHD	3900	0.022	2510	12.5 x 35.5	5	1.18	.89	.65	.54
647-UPW1A472MHD	4700	0.022	2555	16 x 25	7.5	1.44	1.08	.80	.63
647-UPW1A562MHD6	5600	0.028	2490	18 x 20	7.5	1.82	1.37	1.03	.79
647-UPW1A682MHD	6800	0.018	3010	16 x 31.5	7.5	1.92	1.45	1.09	.86
647-UPW1A682MHD6	6800	0.02	2740	18 x 25	7.5	1.92	1.45	1.09	.86
647-UPW1A103MHD	10000	0.015	3680	18 x 35.5	7.5	2.37	1.79	1.35	1.17
16 Volt									
647-UPW1C820MDD	82	0.5	235	5 x 15	2	.29	.19	.14	.11
647-UPW1C121MED	120	0.25	290	6.3 x 11	2	.32	.22	.15	.12
647-UPW1C181MED	180	0.23	430	6.3 x 15	2.5	.33	.24	.17	.13
647-UPW1C331MPD	330	0.117	555	8 x 11.5	2.5	.50	.36	.26	.20
647-UPW1C471MPD	470	0.09	755	10 x 12.5	3.5	.52	.38	.27	.21
647-UPW1C471MPD6	470	0.085	730	8 x 15	5	.52	.38	.27	.21
647-UPW1C681MPD	680	0.068	1050	10 x 16	3.5	.66	.49	.36	.29
647-UPW1C681MPD6	680	0.065	995	8 x 20	5	.66	.49	.36	.29
647-UPW1C821MPD	820	0.052	1220	10 x 20	3.5	.77	.57	.42	.36
647-UPW1C102MPD	1000	0.052	1220	10 x 20	5	.77	.57	.42	.36
647-UPW1C152MHD	1500	0.038	1655	12.5 x 20	5	1.06	.78	.57	.45
647-UPW1C152MPD6	1500	0.035	1815	10 x 31.5	5	1.06	.78	.57	.45
647-UPW1C222MHD	2200	0.03	1945	12.5 x 25	5	.83	.62	.45	.36
647-UPW1C272MHD	2700	0.025	2310	12.5 x 31.5	5	1.54	1.15	.86	.69
647-UPW1C332MHD	3300	0.022	2555	16 x 25	7.5	1.59	1.19	.89	.67
647-UPW1C332MHD6	3300	0.022	2510	12.5 x 35.5	5	1.59	1.19	.89	.67
647-UPW1C392MHD	3900	0.022	2555	16 x 25	7.5	1.82	1.37	1.03	.79
647-UPW1C472MHD	4700	0.018	3010	16 x 31.5	7.5	1.82	1.37	1.03	.79
647-UPW1C472MHD6	4700	0.02	2740	18 x 25	7.5	1.82	1.37	1.03	.79
647-UPW1C562MHD	5600	0.016	3150	16 x 35.5	7.5	1.92	1.45	1.09	.86
647-UPW1C822MHD	8200	0.015	3680	18 x 35.5	7.5	2.37	1.79	1.35	1.17
25 Volt									
647-UPW1E470MDD	47	0.6	180	5 x 11	2	.31	.21	.15	.12
647-UPW1E560MDD	56	0.5	235	5 x 15	2	.31	.21	.15	.12
647-UPW1E101MED	100	0.25	290	6.3 x 11	2.5	.35	.26	.19	.13
647-UPW1E121MED	120	0.23	430	6.3 x 15	2.5	.36	.26	.19	.15
647-UPW1E221MPD	220	0.117	555	8 x 11.5	3.5	.50	.36	.26	.20
647-UPW1E331MPD	330	0.09	755	10 x 12.5	5	.51	.37	.26	.21
647-UPW1E331MPD6	330	0.085	730	8 x 15	3.5	.51	.37	.26	.21
647-UPW1E471MPD	470	0.068	1050	10 x 16	5	.68	.51	.37	.29
647-UPW1E471MPD6	470	0.065	995	8 x 20	3.5	.68	.51	.37	.29
647-UPW1E561MPD	560	0.052	1220	10 x 20	5	.79	.59	.43	.36
647-UPW1E681MPD	680	0.052	1220	10 x 20	5	.79	.59	.43	.36
647-UPW1E102MHD	1000	0.038	1655	12.5 x 20	5	1.02	.76	.55	.43
647-UPW1E152MHD	1500	0.022	2555	16 x 25	7.5	1.19	.88	.66	.53
647-UPW1E152MHD6	1500	0.03	1945	12.5 x 25	5	1.19	.88	.66	.53
647-UPW1E182MHD	1800	0.025	2310	12.5 x 31.5	7.5	1.48	1.10	.82	.69
647-UPW1E222MHD6	2200	0.028	2490	18 x 20	5	1.54	1.15	.86	.69
647-UPW1E222MHD3	2200	0.022	2510	12.5 x 35.5	7.5	1.54	1.15	.86	.69
647-UPW1E272MHD	2700	0.022	2555	16 x 25	7.5	1.75	1.32	1.00	.79
647-UPW1E332MHD	3300	0.018	3010	16 x 31.5	7.5	1.83	1.38	1.04	.83

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Value (µF)	Impedance Ω Max. @ 20°C/100kHz	Ripple (mA rms) 105°C/100 kHz	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	50
25 Volt (cont.)									
647-UPW1E332MHD6	3300	0.02	2740	18 x 25	7.5	1.83	1.38	1.04	.8
647-UPW1E472MHD	4700	0.015	3680	18 x 35.5	7.5	1.85	1.40	1.05	.9
35 Volt									
647-UPW1V330MDD	33	0.6	180	5 x 11	2	.31	.21	.14	.1
647-UPW1V390MDD	39	0.5	235	5 x 15	2	.32	.22	.15	.1
647-UPW1V820MED	82	0.23	430	6.3 x 15	2.5	.37	.27	.19	.1
647-UPW1V151MPD	150	0.117	555	8 x 11.5	3.5	.39	.29	.20	.1
647-UPW1V221MPD	220	0.09	755	10 x 12.5	5	.56	.41	.29	.2
647-UPW1V221MPD6	220	0.085	730	8 x 15	3.5	.56	.41	.29	.2
647-UPW1V331MPD	330	0.068	1050	10 x 16	5	.69	.51	.37	.3
647-UPW1V331MPD6	330	0.065	995	8 x 20	5	.69	.51	.37	.3
647-UPW1V391MPD	390	0.052	1220	10 x 20	5	.87	.65	.47	.3
647-UPW1V471MPD	470	0.052	1220	10 x 20	5	.87	.65	.47	.3
647-UPW1V681MHD	680	0.038	1655	12.5 x 20	5	1.06	.76	.57	.4
647-UPW1V102MHD	1000	0.03	1945	12.5 x 25	5	1.19	.89	.66	.5
647-UPW1V122MHD	1200	0.025	2310	12.5 x 31.5	5	1.48	1.10	.82	.6
647-UPW1V152MHD	1500	0.022	2555	16 x 25	7.5	1.59	1.19	.89	.6
647-UPW1V152MHD6	1500	0.022	2510	12.5 x 35.5	5	1.59	1.19	.89	.6
647-UPW1V222MHD	2200	0.018	3010	16 x 31.5	7.5	1.75	1.32	1.00	.7
647-UPW1V222MHD6	2200	0.02	2740	18 x 25	7.5	1.75	1.32	1.00	.7
647-UPW1V332MHD	3300	0.015	3680	18 x 35.5	7.5	2.24	1.69	1.27	1.0
50 Volt									
647-UPW1H010MDD	1	3.5	40	5 x 11	2	.23	.15	.11	.0
647-UPW1H2R2MDD	2.2	3	55	5 x 11	2	.23	.15	.11	.0
647-UPW1H3R3MDD	3.3	2.6	65	5 x 11	2	.23	.15	.11	.0
647-UPW1H4R7MDD	4.7	2.3	90	5 x 11	2	.23	.15	.11	.0
647-UPW1H100MDD	10	1.4	120	5 x 11	2	.25	.17	.12	.0
647-UPW1H220MDD	22	1.2	170	5 x 11	2	.32	.22	.15	.1
647-UPW1H270MDD	27	0.9	215	5 x 15	2	.32	.22	.15	.1
647-UPW1H330MED	33	0.43	300	6.3 x 11	2.5	.32	.24	.17	.1
647-UPW1H470MED	47	0.43	300	6.3 x 11	2.5	.34	.26	.18	.1
647-UPW1H560MED	56	0.4	360	6.3 x 15	2.5	.36	.26	.19	.1
647-UPW1H101MPD	100	0.234	485	8 x 11.5	3.5	.50	.36	.26	.2
647-UPW1H181MPD	180	0.12	860	8 x 20	3.5	.60	.45	.33	.2
647-UPW1H221MPD	220	0.119	850	10 x 16	5	.60	.45	.33	.2
647-UPW1H331MPD	330	0.09	1030	10 x 20	5	.82	.61	.45	.3
647-UPW1H471MHD	470	0.06	1500	12.5 x 20	5	1.01	.75	.56	.4
647-UPW1H561MHD	560	0.05	1832	12.5 x 25	5	1.23	.92	.69	.5
647-UPW1H681MHD	680	0.05	1832	12.5 x 25	5	1.23	.92	.69	.5
647-UPW1H681MHD6	680	0.048	1835	16 x 20	7.5	1.23	.92	.69	.5
647-UPW1H821MHD	820	0.034	2285	12.5 x 35.5	5	1.48	1.10	.82	.6
647-UPW1H102MHD	1000	0.034	2235	16 x 25	7.5	1.48	1.10	.82	.6
647-UPW1H152MHD	1500	0.028	2700	16 x 31.5	7.5	1.92	1.45	1.09	.8
647-UPW1H222MHD	2200	0.023	3100	18 x 35.5	7.5	2.42	1.83	1.38	1.1
63 Volt									
647-UPW1J120MDD	12	2	145	5 x 11	2	.32	.22	.15	.1
647-UPW1J180MDD	18	1.3	200	5 x 15	2	.32	.24	.17	.1
647-UPW1J220MED	22	0.71	250	6.3 x 11	2.5	.32	.24	.17	.1
647-UPW1J330MED	33	0.71	250	6.3 x 11	2.5	.34	.26	.18	.1
647-UPW1J390MED	39	0.7	330	6.3 x 15	2.5	.35	.26	.19	.1
647-UPW1J470MPD	47	0.342	405	8 x 11.5	3.5	.39	.29	.20	.1
647-UPW1J680MPD	68	0.342	405	8 x 11.5	3.5	.50	.36	.26	.2
647-UPW1J101MPD	100	0.256	535	10 x 12.5	5	.55	.40	.29	.2
647-UPW1J101MPD6	100	0.23	535	8 x 15	3.5	.55	.40	.29	.2
647-UPW1J181MHD6	180	0.15	1020	12.5 x 15	5	.87	.65	.47	.3
647-UPW1J221MPD6	220	0.13	1050	10 x 25	5	1.05	.78	.57	.4
647-UPW1J271MHD	270	0.09	1410	16 x 15	7.5	1.06	.79	.57	.4
647-UPW1J331MHD	330	0.085	1285	12.5 x 20	5	1.06	.78	.57	.4
647-UPW1J391MHD6	390	0.086	1690	18 x 15	7.5	1.23	.92	.68	.5
647-UPW1J471MHD6	470	0.055	2090	12.5 x 31.5	5	1.23	.92	.69	.5
647-UPW1J471MHD3	470	0.059	1765	16 x 20	7.5	1.23	.92	.69	.5
647-UPW1J681MHD	680	0.05	2160	16 x 25	7.5	1.48	1.10	.82	.6
647-UPW1J681MHD6	680	0.047	2265	12.5 x 35.5	5	1.48	1.10	.82	.6
647-UPW1J102MHD	1000	0.043	2670	16 x 31.5	7.5	1.92	1.45	1.09	.8
647-UPW1J152MHD	1500	0.03	3095	18 x 35.5	7.5	2.42	1.84	1.38	1.1
100 Volt									
647-UPW2A010MDD	1	20	30	5 x 11	2	.26	.17	.12	.0
647-UPW2A2R2MDD	2.2	9.8	44	5 x 11	2	.26	.17	.12	.1
647-UPW2A3R3MDD	3.3	6.6	58	5 x 11	2	.31	.21	.15	.1
647-UPW2A4R7MDD	4.7	4.6	74	5 x 11	2	.31	.21	.15	.1
647-UPW2A100MED	10	1.8	130	6.3 x 11	2.5	.34	.25	.18	.1
647-UPW2A220MPD	22	0.68	230	8 x 11.5	3.5	.50	.36	.26	.2
647-UPW2A330MPD	33	0.46	320	10 x 12.5	5	.55	.40	.29	.2
647-UPW2A330MPD6	33	0.45	360	8 x 15	3.5	.55	.40	.29	.2
647-UPW2A470MPD	47	0.37	420	10 x 16	5	.60	.45	.33	.2
647-UPW2A680MPD	68	0.3	490	10 x 20	5	.87	.65	.47	.3
647-UPW2A101MHD	100	0.18	580	12.5 x 20	5	1.06	.78	.57	.4
647-UPW2A151MHD	150	0.13	710	12.5 x 25	5	1.36	1.01	.76	.5
647-UPW2A221MHD	220	0.1	890	16 x 25	7.5	1.48	1.10	.82	.6
647-UPW2A331MHD	330	0.09	1080	16 x 25	7.5	1.97	1.45	1.10	.8
647-UPW2A471MHD	470	0.076	1310	16 x 31.5	7.5	1.92	1.45	1.09	.8
647-UPW2A681MHD	680	0.064	1410	16 x 35.5	7.5	2.42	1.83	1.38	1.1

chicon UHE 105°C LOW IMPEDANCE, HIGH REL. SERIES (LEAD FREE)

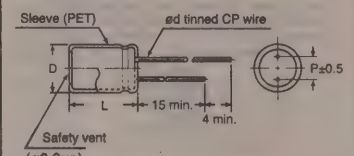
tures:
ad free product
gh reliabilty
ng life–up to 10,000 hours

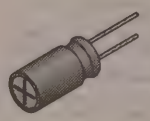
cifications:
perating temperature range: -40°C to +105°C
oltage range: 6.3 - 100 Vdc
apacitance range: 6.8 to 18000uF
apacitance tolerance: ±20% at 120 Hz, 20°C
eakage current: After 2 minutes of rated voltage, leakage rrent is not more than 0.01CV or 3(uA)

LEAD-FREE

lication Note:
higher voltage capacitor may be ed in a lower voltage application.

DIMENSIONS (mm)





Endurance:

Case Size (Diameter)		5-6.3	8-10	12.5-16-18
Rated Voltage V	6.3-10	4000 Hrs.	6000 Hrs.	8000 Hrs.
	16-100	5000 Hrs.	7000 Hrs.	10000 hrs.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Impedance Ω Max. @ 20°C/ 100kHz	Ripple (mA rms) 105°C/ 100 kHz	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
Volt									
-UHE0J331MED	330	0.22	340	6.3 x 11	2.5	.21	.16	.12	.10
-UHE0J681MPD	680	0.13	640	8 x 11.5	3.5	.31	.25	.19	.16
-UHE0J102MPD	1000	0.087	840	8 x 15	3.5	.23	.18	.14	.12
-UHE0J122MPD	1200	0.069	1050	8 x 20	3.5	.39	.31	.23	.19
-UHE0J182MHD	1800	0.049	1450	12.5 x 15	5.0	.45	.36	.27	.23
-UHE0J222MPD	2200	0.042	1650	10 x 25	5.0	.55	.44	.33	.27
-UHE0J332MHD	3300	0.035	1900	12.5 x 20	5.0	.73	.58	.44	.36
-UHE0J103MHD6	10000	0.019	3140	18 x 25	7.5	1.64	1.31	.98	.82
Volt									
-UHE1A101MDD	100	0.580	210	5 x 11	2.0	.14	.11	.08	.07
-UHE1A221MED	220	0.220	340	6.3 X 11	2.5	.22	.17	.13	.11
-UHE1A471MPD	470	0.130	640	8 x 11.5	3.5	.31	.25	.19	.16
-UHE1A681MPD	680	0.087	840	8 x 15	3.5	.32	.26	.19	.16
-UHE1A681MPD6	680	0.080	865	10 x 12.5	5.0	.32	.26	.19	.16
-UHE1A102MPD	1000	0.069	1050	8 x 20	5.0	.43	.34	.26	.21
-UHE1A102MPD6	1000	0.060	1210	10 x 16	5.0	.43	.34	.26	.21
-UHE1A122MPD	1200	0.046	1400	10 x 20	5.0	.49	.39	.29	.24
-UHE1A222MPD	2200	0.031	1910	10 x 31.5	5.0	.71	.56	.42	.35
-UHE1A332MHD	3300	0.027	2230	12.5 x 25	5.0	.86	.69	.52	.43
-UHE1A472MHD	4700	0.020	2880	12.5 X 35.5	5.0	1.11	.89	.67	.56
-UHE1A682MHD	6800	0.017	3450	16 x 31.5	7.5	1.64	1.31	.98	.82
-UHE1A103MHD	10000	0.013	4080	16 x 40	7.5	2.01	1.61	1.21	1.01
Volt									
-UHE1C121MED	120	0.22	340	6.3 X 11	2.5	.17	.14	.10	.09
-UHE1C331MPD	330	0.13	640	8 x 11.5	3.5	.32	.26	.19	.16
-UHE1C471MPD	470	0.087	840	8 x 15	3.5	.33	.26	.20	.17
-UHE1C681MPD	680	0.069	1050	8 x 20	3.5	.49	.39	.29	.24
-UHE1C102MPD	1000	0.046	1400	10 x 20	5.0	.55	.44	.33	.27
-UHE1C122MPD	1200	0.042	1650	10 x 25	5.0	.50	.40	.30	.25
-UHE1C152MPD	1500	0.031	1910	10 x 31.5	5.0	.73	.58	.44	.37
-UHE1C222MHD	2200	0.027	2230	12.5 x 25	5.0	.89	.71	.53	.45
-UHE1C332MHD	3300	0.02	2880	12.5 x 35.5	5.0	1.16	.92	.69	.58
-UHE1C472MHD	4700	0.017	3450	16 x 31.5	7.5	1.56	1.24	.93	.78
-UHE1C682MHD	6800	0.013	4080	16 x 40	7.5	2.01	1.61	1.21	1.01
-UHE1C103MHD	10000	0.012	4280	18 x 40	7.5	2.45	1.96	1.47	1.23
Volt									
-UHE1E470MDD	47	0.580	210	5 x 11	2.0	.17	.14	.10	.09
-UHE1E101MED	100	0.220	340	6.3 x 11	2.5	.23	.18	.14	.11
-UHE1E221MPD	220	0.130	640	8 x 11.5	3.5	.32	.26	.19	.16
-UHE1E331MPD	330	0.087	840	8 x 15	3.5	.31	.24	.18	.15
-UHE1E471MPD	470	0.060	1210	8 x 20	5.0	.49	.39	.29	.24
-UHE1E471MPD6	470	0.069	1050	10 x 16	3.5	.49	.39	.29	.24
-UHE1E681MPD	680	0.046	1400	10 x 20	5.0	.56	.45	.34	.28
-UHE1E102MPD	1000	0.031	1910	10 x 31.5	5.0	.73	.58	.44	.36
-UHE1E102MHD3	1000	0.042	1940	16 x 15	7.5	.73	.58	.44	.36
-UHE1E122MHD	1200	0.043	2210	18 x 15	7.5	.82	.66	.49	.41
-UHE1E222MHD	2200	0.020	2880	12.5 x 35.5	5.0	1.16	.92	.69	.58
-UHE1E332MHD	3300	0.017	3450	16 x 31.5	7.5	1.57	1.26	.94	.79
-UHE1E472MHD	4700	0.013	4080	16 x 40	7.5	1.92	1.53	1.15	.96
olt									
-UHE1V330MDD	33	0.580	210	5 x11	2.0	.17	.14	.10	.09
-UHE1V151MPD	150	0.220	340	8 x 11.5	3.5	.26	.20	.15	.13
-UHE1V221MPD	220	0.087	840	8 x 15	3.5	.35	.28	.21	.18
-UHE1V331MHD	330	0.060	1210	10 x 16	5.0	.49	.39	.29	.24
-UHE1V471MPD	470	0.046	1400	10 x 20	5.0	.56	.45	.34	.28

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Impedance Ω Max. @ 20°C/ 100kHz	Ripple (mA rms) 105°C/ 100 kHz	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
35 Volt (Cont.)									
647-UHE1V681MPD	680	0.031	1910	10 x31.5	5.0	.73	.58	.44	.36
647-UHE1V102MHD	1000	0.027	2230	12.5 x 25	5.0	.89	.71	.53	.45
647-UHE1V122MHD	1200	0.024	2650	12.5 x 40	5.0	1.11	.89	.67	.56
647-UHE1V182MHD	1800	0.017	3350	12.5 x 40	5.0	1.16	.92	.69	.58
647-UHE1V222MHD	2200	0.017	3450	16 x 31.5	7.5	1.57	1.26	.94	.79
647-UHE1V332MHD	3300	0.013	4080	16 x 40	7.5	1.92	1.53	1.15	.96
50 Volt									
647-UHE1H220MDD	22	0.700	180	5 x11	2.0	.17	.14	.10	.09
647-UHE1H560MED	56	0.300	295	6.3 x 11	2.5	.23	.18	.14	.11
647-UHE1H101MPD	100	0.170	555	8 x 11.5	3.5	.32	.26	.19	.16
647-UHE1H121MPD	120	0.120	730	8 x 15	3.5	.35	.28	.21	.17
647-UHE1H151MPD	150	0.120	760	10 x 12.5	5.0	.35	.28	.21	.17
647-UHE1H221MPD	220	0.084	1050	10 x 16	5.0	.42	.34	.25	.21
647-UHE1H331MPD	330	0.055	1440	10 x 25	5.0	.57	.45	.34	.28
647-UHE1H471MPD	470	0.043	1690	10 x 31.5	5.0	.75	.60	.45	.37
647-UHE1H471MHD3	470	0.055	1690	16 x 15	7.5	.75	.60	.45	.37
647-UHE1H681MHD	680	0.030	2310	12.5 X 31.5	5.0	.92	.73	.55	.46
647-UHE1H102MHD	1000	0.021	2920	12.5 x 40	5.0	1.11	.89	.67	.56
647-UHE1H102MHD3	1000	0.036	2490	18 x 20	7.5	1.11	.89	.67	.56
647-UHE1H122MHD	1200	0.022	3010	16 x 31.5	7.5	1.56	1.24	.93	.78
647-UHE1H222MHD6	2200	0.017	3680	18 x 35.5	7.5	2.07	1.65	1.24	1.03
63 Volt									
647-UHE1J150MDD	15	2.300	55	5 x11	2.0	.17	.14	.10	.09
647-UHE1J330MED	33	1.200	115	6.3 X 11	2.5	.22	.18	.13	.11
647-UHE1J820MPD	82	0.450	300	8 x 15	3.5	.35	.28	.21	.17
647-UHE1J121MPD	120	0.330	362	8 x 20	3.5	.42	.34	.25	.21
647-UHE1J181MPD	180	0.210	466	10 x 20	5.0	.56	.45	.34	.28
647-UHE1J221MPD	220	0.200	531	10 x 25	5.0	.57	.45	.34	.28
647-UHE1J271MPD	270	0.150	663	10 x 31.5	5.0	.75	.60	.45	.38
647-UHE1J331MHD	330	0.120	784	12.5 x 25	5.0	.87	.69	.52	.43
647-UHE1J391MHD	390	0.120	920	18 x 15	7.5	.89	.71	.53	.45
647-UHE1J471MHD	470	0.100	905	12.5 x 31.5	5.0	.92	.73	.55	.46
647-UHE1J681MHD	680	0.071	1180	12.5 x 40	5.0	1.11	.89	.67	.56
647-UHE1J821MHD	820	0.054	1570	16 x 31.5	7.5	1.56	1.24	.93	.78
647-UHE1J102MHD	1000	0.045	1790	16 x 35.5	7.5	1.56	1.24	.93	.78
647-UHE1J102MHD6	1000	0.047	1630	18 x 31.5	7.5	1.56	1.24	.93	.78
647-UHE1J122MHD	1200	0.040	2020	16 x 40	7.5	1.76	1.40	1.05	.88
100 Volt									
647-UHE2A6R8MDD	6.8	2.300	55	5 x11	2.0	.17	.14	.10	.09
647-UHE2A150MED	15	1.200	115	6.3 x 11	2.5	.22	.18	.13	.11
647-UHE2A390MPD	39	0.450	300	8 x 15	3.5	.27	.21	.16	.13
647-UHE2A470MPD	47	0.430	288	10 x 12.5	5.0	.27	.21	.16	.13
647-UHE2A680MPD	68	0.310	357	10 x 16	5.0	.35	.28	.21	.17
647-UHE2A820MPD	82	0.210	466	10 x 20	5.0	.35	.28	.21	.17
647-UHE2A101MPD	100	0.200	531	10 x 25	5.0	.37	.29	.22	.18
647-UHE2A121MPD	120	0.150	663	10 x31.5	5.0	.46	.36	.27	.23
647-UHE2A181MHD	180	0.120	784	12.5 x 25	5.0	.57	.45	.34	.28
647-UHE2A221MHD	220	0.100	905	12.5 x 31.5	5.0	.72	.58	.43	.36
647-UHE2A331MHD	330	0.071	1180	12.5 x 40	5.0	1.53	1.22	.92	.77
647-UHE2A391MHD	390	0.054	1570	16 x 31.5	7.5	1.56	1.24	.93	.78
647-UHE2A471MHD	470	0.045	1790	16 x 35.5	7.5	1.56	1.24	.93	.78
647-UHE2A561MHD	560	0.040	2020	16 x 40	7.5	1.76	1.40	1.05	.88
647-UHE2A681MHD	680	0.040	1790	18 x 35.5	7.5	1.76	1.40	1.05	.88
647-UHE2A821MHD	820	0.036	2330	18 x 40	7.5	2.11	1.69	1.27	1.06

nichicon USR 7MM 85°C SERIES, GENERAL PURPOSE (LEAD FREE)

Specifications:

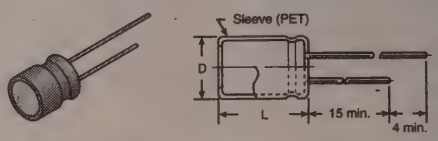
- Operating temperature range: -40°C ~ +85°C
- Voltage range: 6.3 ~ 50V
- Capacitance range: 0.1 ~ 470µF
- Endurance: 2000 hours @ 85°C
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage current: after 2 minutes application of rated voltage, leakage current is no more than 0.01CV or 3µA, whichever is greater

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

LEAD-FREE

DIMENSIONS (mm)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
647-USR0J220MDD	USR0J220MDD	6.3	22	4 X 7	1.5	.24	.15	.10	.07
647-USR0J330MDD	USR0J330MDD	6.3	33	4 X 7	1.5	.22	.14	.09	.06
647-USR0J470MDD	USR0J470MDD	6.3	47	4 X 7	1.5	.23	.15	.10	.07
647-USR0J101MDD	USR0J101MDD	6.3	100	5 X 7	2.0	.27	.17	.11	.08
647-USR0J221MDD	USR0J221MDD	6.3	220	6.3 X 7	2.5	.27	.18	.13	.09
647-USR0J331MDD	USR0J331MDD	6.3	330	8 X 7	3.5	.32	.23	.17	.12
647-USR1A220MDD	USR1A220MDD	10	22	4 X 7	1.5	.22	.14	.09	.06
647-USR1A330MDD	USR1A330MDD	10	33	4 X 7	1.5	.23	.15	.10	.07
647-USR1A470MDD	USR1A470MDD	10	47	5 X 7	2	.24	.15	.10	.07
647-USR1A101MDD	USR1A101MDD	10	100	6.3 X 7	2.5	.24	.16	.11	.08
647-USR1A221MDD	USR1A221MDD	10	220	8 X 7	3.5	.31	.23	.17	.12
647-USR1C100MDD	USR1C100MDD	16	10	4 X 7	1.5	.20	.13	.09	.06
647-USR1C220MDD	USR1C220MDD	16	22	4 X 7	1.5	.22	.14	.09	.06
647-USR1C330MDD	USR1C330MDD	16	33	5 X 7	2	.27	.17	.11	.08
647-USR1C470MDD	USR1C470MDD	16	47	5 X 7	2	.27	.17	.11	.08
647-USR1C101MDD	USR1C101MDD	16	100	6.3 X 7	2.5	.27	.18	.13	.09
647-USR1E100MDD	USR1E100MDD	25	10	4 X 7	1.5	.22	.14	.09	.06
647-USR1E220MDD	USR1E220MDD	25	22	5 X 7	2	.25	.15	.10	.07

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Nichicon Part No.	Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	5
647-USR1E330MDD	USR1E330MDD	25	33	5 X 7	2	.24	.16	.11	
647-USR1E470MDD	USR1E470MDD	25	47	6.3 X 7	2.5	.27	.18	.13	
647-USR1V4R7MDD	USR1V4R7MDD	35	4.7	4 X 7	1.5	.20	.13	.09	
647-USR1V100MDD	USR1V100MDD	35	10	4 X 7	1.5	.24	.15	.10	
647-USR1V220MDD	USR1V220MDD	35	22	5 X 7	2	.24	.16	.11	
647-USR1V330MDD	USR1V330MDD	35	33	6.3 X 7	2.5	.27	.18	.13	
647-USR1V470MDD	USR1V470MDD	35	47	8 X 7	3.5	.32	.23	.17	
647-USR1H0R1MDD	USR1H0R1MDD	50	.1	4 X 7	1.5	.21	.13	.09	
647-USR1HR22MDD	USR1HR22MDD	50	.22	4 X 7	1.5	.21	.13	.09	
647-USR1HR33MDD	USR1HR33MDD	50	.33	4 X 7	1.5	.21	.13	.09	
647-USR1HR47MDD	USR1HR47MDD	50	.47	4 X 7	1.5	.21	.13	.09	
647-USR1H010MDD	USR1H010MDD	50	1	4 X 7	1.5	.21	.13	.09	
647-USR1H2R2MDD	USR1H2R2MDD	50	2.2	4 X 7	1.5	.21	.13	.09	
647-USR1H3R3MDD	USR1H3R3MDD	50	3.3	4 X 7	1.5	.21	.13	.09	
647-USR1H4R7MDD	USR1H4R7MDD	50	4.7	4 X 7	1.5	.21	.14	.09	
647-USR1H100MDD	USR1H100MDD	50	10	5 X 7	2	.27	.17	.11	
647-USR1H220MDD	USR1H220MDD	50	22	6.3 X 7	2.5	.27	.18	.13	
647-USR1H330MDD	USR1H330MDD	50	33	8 X 7	3.5	.32	.23	.17	

nichicon UVP 85°C BI-POLAR SERIES (LEAD FREE)

Specifications:

- Operating temperature range: -40°C ~ +85°C
- Voltage range: 6.3 ~ 100V
- Capacitance range: 0.47 ~ 6800µF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage current: After 5 minutes application of rated voltage, leakage current is not more than 0.03CV or 3µA, whichever is greater.
- Endurance: 2000 hours @ 85°C with polarity reversed every 250 hours

Features:

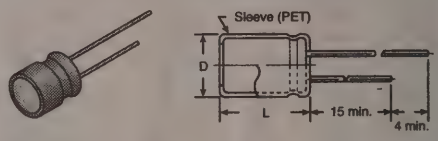
- Standard bi-polarized series for entertainment electronics
- Ideal for circuits where reverse voltage is applied when switches are turned off or on or where the polarity is not constant

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

LEAD-FREE

DIMENSIONS (mm)



For quantities of 1000 and up, call for quote.

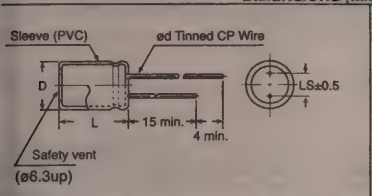
MOUSER STOCK NO.	Nichicon Part No.	Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
647-UVP0J330MDD	UVP0J330MDD	6.3	33	5 x 11	2.0	.26	.19	.13	.11
647-UVP0J101MED	UVP0J101MED	6.3	100	6.3 x 11	2.5	.30	.23	.15	.13
647-UVP0J221MPD	UVP0J221MPD	6.3	220	8 x 11.5	3.5	.36	.27	.18	.15
647-UVP0J331MPD	UVP0J331MPD	6.3	330	8 x 11.5	3.5	.43	.32	.22	.18
647-UVP0J471MPD	UVP0J471MPD	6.3	470	10 x 12.5	5.0	.61	.46	.30	.25
647-UVP0J102MPD	UVP0J102MPD	6.3	1000	10 x 20	5.0	.72	.54	.36	.30
647-UVP0J222MHD	UVP0J222MHD	6.3	2200	12.5 x 25	5.0	1.11	.83	.55	.46
647-UVP0J332MHD	UVP0J332MHD	6.3	3300	16 x 25	7.5	1.45	1.09	.72	.60
647-UVP0J472MHD	UVP0J472MHD	6.3	4700	16 x 31.5	7.5	1.83	1.37	.91	.76
647-UVP0J682MHD	UVP0J682MHD	6.3	6800	18 x 35.5	7.5	2.58	1.94	1.29	1.08
647-UVP1A220MDD	UVP1A220MDD	10	22	5 x 11	2.0	.26	.19	.13	.11
647-UVP1A470MDD	UVP1A470MDD	10	47	5 x 11	2.0	.30	.23	.15	.13
647-UVP1A101MED	UVP1A101MED	10	100	6.3 x 11	2.5	.34	.26	.17	.14
647-UVP1A221MPD	UVP1A221MPD	10	220	8 x 11.5	3.5	.43	.32	.22	.18
647-UVP1A331MPD	UVP1A331MPD	10	330	10 x 16	5.0	.61	.46	.30	.25
647-UVP1A471MPD	UVP1A471MPD	10	470	10 x 16	5.0	.61	.46	.30	.25
647-UVP1A102MHD	UVP1A102MHD	10	1000	12.5 x 20	5.0	.87	.65	.43	.36
647-UVP1A222MHD	UVP1A222MHD	10	2200	16 x 25	7.5	1.42	1.07	.71	.59
647-UVP1A332MHD	UVP1A332MHD	10	3300	16 x 31.5	7.5	1.84	1.38	.92	.77
647-UVP1A472MHD	UVP1A472MHD	10	4700	18 x 35.5	7.5	2.60	1.95	1.30	1.08
647-UVP1C100MDD	UVP1C100MDD	16	10	5 x 11	2.0	.26	.19	.13	.11
647-UVP1C220MDD	UVP1C220MDD	16	22	5 x 11	2.0	.30	.23	.15	.13
647-UVP1C330MDD	UVP1C330MDD	16	33	5 x 11	2.0	.30	.23	.15	.13
647-UVP1C470MED	UVP1C470MED	16	47	6.3 x 11	2.5	.30	.23	.15	.13
647-UVP1C101MPD	UVP1C101MPD	16	100	8 x 11.5	3.5	.36	.27	.18	.15
647-UVP1C221MPD	UVP1C221MPD	16	220	10 x 12.5	5.0	.61	.46	.30	.25
647-UVP1C331MPD	UVP1C331MPD	16	330	10 x 16	5.0	.61	.46	.30	.25
647-UVP1C471MPD	UVP1C471MPD	16	470	10 x 20	5.0	.72	.54	.36	.30
647-UVP1C102MHD	UVP1C102MHD	16	1000	12.5 x 25	5.0	1.12	.84	.56	.47
647-UVP1C222MHD	UVP1C222MHD	16	2200	16 x 31.5	7.5	1.93	1.45	.97	.80
647-UVP1C332MHD	UVP1C332MHD	16	3300	18 x 35.5	7.5	2.78	2.09	1.39	1.16
647-UVP1E100MDD	UVP1E100MDD	25	10	5 x 11	2.0	.26	.19	.13	.11
647-UVP1E220MED	UVP1E220MED	25	22	6.3 x 11	2.5	.30	.23	.15	.13
647-UVP1E330MED	UVP1E330MED	25	33	6.3 x 11	2.5	.34	.26	.17	.14
647-UVP1E470MED	UVP1E470MED	25	47	6.3 x 11	2.5	.36	.27	.18	.15
647-UVP1E101MPD	UVP1E101MPD	25	100	8 x 11.5	3.5	.43	.32	.22	.18
647-UVP1E221MPD	UVP1E221MPD	25	220	10 x 16	5.0	.72	.54	.36	.30
647-UVP1E331MHD	UVP1E331MHD	25	330	12.5 x 20	5.0	.87	.65	.43	.36
647-UVP1E471MHD	UVP1E471MHD	25	470	12.5 x 20	5.0	1.03	.77	.52	.43
647-UVP1E102MHD	UVP1E102MHD	25	1000	16 x 25	7.5	1.42	1.07	.71	.59
647-UVP1E222MHD	UVP1E222MHD	25	2200	18 x 35.5	7.5	2.88	2.16	1.44	1.20
647-UVP1V4R7MDD	UVP1V4R7MDD	35	4.7	5 x 11	2.0	.26	.19	.13	.11

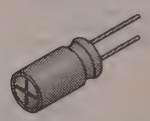
For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Nichicon Part No.	Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	5
647-UVP1V100MDD	UVP1V100MDD	35	10	5 x 11	2.0	.30	.23	.15	
647-UVP1V220MED	UVP1V220MED	35	22	6.3 x 11	2.5	.34	.26	.17	
647-UVP1V330MPD	UVP1V330MPD	35	33	8 x 11.5	3.5	.34	.26	.17	
647-UVP1V470MPD	UVP1V470MPD	35	47	8 x 11.5	3.5	.43	.32	.22	
647-UVP1V101MPD	UVP1V101MPD	35	100	10 x 16	5.0	.61	.46	.30	
647-UVP1V221MHD	UVP1V221MHD	35	220	12.5 x 20	5.0	.87	.65	.43	
647-UVP1V331MHD	UVP1V331MHD	35	330	12.5 x 20	5.0	1.03	.77	.52	
647-UVP1V471MHD	UVP1V471MHD	35	470	12.5 x 25	5.0	1.12	.84	.56	
647-UVP1V102MHD	UVP1V102MHD	35	1000	16 x 31.5	7.5	1.93	1.44	.96	
647-UVP1HR47MDD	UVP1HR47MDD	50	0.47	5 x 11	2.0	.26	.19	.13	
647-UVP1H010MDD	UVP1H010MDD	50	1	5 x 11	2.0	.26	.19	.13	
647-UVP1H2R2MDD	UVP1H2R2MDD	50	2.2	5 x 11	2.0	.26	.19	.13	
647-UVP1H3R3MDD	UVP1H3R3MDD	50	3.3	5 x 11	2.0	.26	.19	.13	
647-UVP1H4R7MDD	UVP1H4R7MDD	50	4.7	5 x 11	2.0	.30	.23	.15	
647-UVP1H100MED	UVP1H100MED	50	10	6.3 x 11	2.5	.30	.23	.15	
647-UVP1H220MPD	UVP1H220MPD	50	22	8 x 11.5	3.5	.34	.26	.17	
647-UVP1H330MPD	UVP1H330MPD	50	33	8 x 11.5	3.5	.43	.32	.22	
647-UVP1H470MPD	UVP1H470MPD	50	47	10 x12.5	5.0	.61	.46	.30	
647-UVP1H101MPD	UVP1H101MPD	50	100	10 x 20	5.0	.87	.65	.43	
647-UVP1H221MHD	UVP1H221MHD	50	220	12.5 x 25	5.0	1.12	.84	.56	
647-UVP1H331MHD	UVP1H331MHD	50	330	16 x 25	7.5	1.42	1.07	.71	
647-UVP1H471MHD	UVP1H471MHD	50	470	16 x 31.5	7.5	1.69	1.27	.85	
647-UVP1J3R3MDD	UVP1J3R3MDD	63	3.3	5 x 11	2.0	.30	.23	.15	
647-UVP1J4R7MED	UVP1J4R7MED	63	4.7	6.3 x 11	2.5	.30	.23	.15	
647-UVP1J100MED	UVP1J100MED	63	10	6.3 x 11	2.5	.35	.26	.18	
647-UVP1J220MPD	UVP1J220MPD	63	22	8 x 11.5	3.5	.43	.32	.22	
647-UVP1J330MPD	UVP1J330MPD	63	33	10 x12.5	5.0	.61	.46	.30	
647-UVP1J470MPD	UVP1J470MPD	63	47	10 x 16	5.0	.72	.54	.36	
647-UVP1J101MHD	UVP1J101MHD	63	100	12.5 x 20	5.0	1.03	.77	.52	
647-UVP1J221MHD	UVP1J221MHD	63	220	16 x 25	7.5	1.45	1.09	.72	
647-UVP1J331MHD	UVP1J331MHD	63	330	16 x 31.5	7.5	1.67	1.25	.83	
647-UVP1J471MHD	UVP1J471MHD	63	470	18 x 35.5	7.5	1.45	1.09	.72	
647-UVP2AR47MDD	UVP2AR47MDD	100	0.47	5 x 11	2.0	.27	.20	.13	
647-UVP2A010MDD	UVP2A010MDD	100	1	5 x 11	2.0	.27	.20	.13	
647-UVP2A2R2MED	UVP2A2R2MED	100	2.2	6.3 x 11	2.5	.26	.19	.13	
647-UVP2A3R3MED	UVP2A3R3MED	100	3.3	6.3 x 11	2.5	.26	.19	.13	
647-UVP2A4R7MED	UVP2A4R7MED	100	4.7	6.3 x 11	2.5	.35	.26	.18	
647-UVP2A100MPD	UVP2A100MPD	100	10	8 x 11.5	3.5	.40	.30	.20	
647-UVP2A220MPD	UVP2A220MPD	100	22	10 x 16	5.0	.45	.33	.22	
647-UVP2A330MHD	UVP2A330MHD	100	33	12.5 x 20	5.0	.72	.54	.36	
647-UVP2A470MHD	UVP2A470MHD	100	47	12.5 x 20	5.0	1.03	.77	.52	
647-UVP2A101MHD	UVP2A101MHD	100	100	16 x 25	7.5	1.45	1.09	.72	
647-UVP2A221MHD	UVP2A221MHD	100	220	18 x 35.5	7.5	2.67	2.00	1.33	

ichicon UVR 85°C GENERAL PURPOSE SERIES

DIMENSIONS (mm)





Specifications:

- Operating temperature range: -40°C ~ +85°C (6.3 ~ 400V), -25°C ~ +85°C (450V)
- Voltage range: 6.3 ~ 450V
- Capacitance range: 0.1 ~ 33000µF
- Capacitance tolerance: ±20% at 120Hz, 20°C

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

Leakage Current

6.3V ~ 100V	160V ~ 450V
After 1 minute application of rated voltage, leakage current is not more than 0.03CV or 4 (µA), whichever is greater. After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.	After 1 minute application of rated voltage, CV ≤ 1000: I = 0.1CV + 40µA or less. After 1 minutes application of rated voltage, CV > 1000: I = 0.04CV + 100µA or less.

Endurance: After 2000 hours application of rated voltage at 85°C, capacitors meet the characteristics requirements listed at right.

Capacitance change	Within ±20% of initial value
tanδ	200% or less of initial specified value
Leakage current	Initial specified value or less

For quantities of 1000 and up, call for quote.

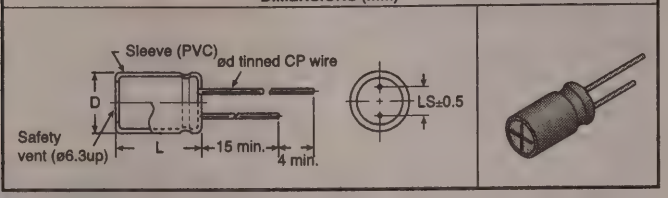
MOUSER STOCK NO. / Mfr. Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
3 Volt							
7—UVR0J101MDA	100	5 x 11	2.0	.18	.11	.08	.05
7—UVR0J221MDA	220	5 x 11	2.0	.23	.15	.10	.07
7—UVR0J331MEA	330	6.3 x 11	2.5	.24	.16	.11	.08
7—UVR0J471MEA	470	6.3 x 11	2.5	.29	.19	.13	.09
7—UVR0J102MPA	1000	8 x 11.5	3.5	.34	.25	.18	.13
7—UVR0J222MPA	2200	10 x 20	5.0	.53	.40	.28	.20
7—UVR0J332MPA	3300	10 x 20	5.0	.64	.48	.35	.25
7—UVR0J472MHA	4700	12.5 x 20	5.0	.92	.69	.51	.37
7—UVR0J682MHA	6800	12.5 x 25	5.0	1.17	.88	.66	.47
7—UVR0J103MHA	10000	16 x 25	7.5	1.67	1.25	.94	.67
7—UVR0J153MHA	15000	16 x 35.5	7.5	2.09	1.58	1.19	.89
7—UVR0J223MHA	22000	18 x 40	7.5	2.99	2.26	1.71	1.28
Volt							
7—UVR1A101MDA	100	5 x 11	2.0	.18	.12	.08	.05
7—UVR1A221MEA	220	6.3 x 11	2.5	.26	.16	.11	.07
7—UVR1A331MEA	330	6.3 x 11	2.5	.29	.19	.13	.09
7—UVR1A471MEA	470	6.3 x 11	2.5	.32	.22	.16	.11
7—UVR1A102MPA	1000	10 x 12.5	5.0	.38	.28	.20	.14
7—UVR1A222MPA	2200	10 x 20	5.0	.59	.44	.32	.23
7—UVR1A332MHA	3300	12.5 x 20	5.0	.93	.69	.51	.37
7—UVR1A472MHA	4700	12.5 x 25	5.0	1.16	.87	.65	.46
7—UVR1A682MHA	6800	16 x 25	7.5	1.55	1.16	.87	.62
7—UVR1A103MHA	10000	16 x 35.5	7.5	1.87	1.41	1.06	.80
7—UVR1A153MHA	15000	18 x 35.5	7.5	2.88	2.18	1.64	1.23
Volt							
7—UVR1C100MDA	10	5 x 11	2.0	.18	.11	.08	.05
7—UVR1C220MDA	22	5 x 11	2.0	.16	.14	.07	.05
7—UVR1C330MDA	33	5 x 11	2.0	.16	.10	.07	.05
7—UVR1C470MDA	47	5 x 11	2.0	.16	.10	.07	.05
7—UVR1C101MDA	100	5 x 11	2.0	.21	.13	.09	.06
7—UVR1C221MEA	220	6.3 x 11	2.5	.26	.17	.12	.08
7—UVR1C331MPA	330	8 x 11.5	3.5	.30	.20	.14	.10
7—UVR1C471MPA	470	8 x 11.5	3.5	.30	.22	.16	.12
7—UVR1C102MPA	1000	10 x 16	5.0	.51	.37	.27	.19
7—UVR1C222MHA	2200	12.5 x 20	5.0	.88	.66	.48	.35
7—UVR1C332MHA	3300	12.5 x 25	5.0	1.14	.86	.64	.45
7—UVR1C472MHA	4700	16 x 25	7.5	1.42	1.06	.79	.57
7—UVR1C682MHA	6800	16 x 35.5	7.5	1.90	1.44	1.09	.82
7—UVR1C103MHA	10000	18 x 35.5	7.5	2.84	2.15	1.62	1.22
Volt							
7—UVR1E100MDA	10	5 x 11	2.0	.18	.11	.08	.05
7—UVR1E220MDA	22	5 x 11	2.0	.18	.11	.08	.05
7—UVR1E330MDA	33	5 x 11	2.0	.17	.11	.07	.05
7—UVR1E470MDA	47	5 x 11	2.0	.18	.12	.08	.06
7—UVR1E101MEA	100	6.3 x 11	2.5	.26	.16	.11	.07
7—UVR1E221MPA	220	8 x 11.5	3.5	.32	.22	.15	.11
7—UVR1E331MPA	330	10 x 12.5	5.0	.30	.22	.16	.12
7—UVR1E471MPA	470	10 x 12.5	5.0	.40	.30	.21	.15
7—UVR1E102MPA	1000	10 x 20	5.0	.60	.45	.33	.24
7—UVR1E222MHA	2200	12.5 x 25	5.0	1.02	.76	.57	.41
7—UVR1E332MHA	3300	16 x 25	7.5	1.50	1.13	.85	.60
7—UVR1E472MHA	4700	16 x 31.5	7.5	2.02	1.53	1.16	.87
7—UVR1E682MHA	6800	18 x 35.5	7.5	2.97	2.25	1.70	1.27
Volt							
7—UVR1V100MDA	10	5 x 11	2.0	.18	.11	.08	.05
7—UVR1V220MDA	22	5 x 11	2.0	.18	.11	.08	.05
7—UVR1V330MDA	33	5 x 11	2.0	.20	.13	.09	.06
7—UVR1V470MDA	47	5 x 11	2.0	.20	.13	.09	.06
7—UVR1V101MEA	100	6.3 x 11	2.5	.26	.17	.12	.08
7—UVR1V221MPA	220	10 x 12.5	5.0	.30	.22	.16	.12
7—UVR1V331MPA	330	10 x 12.5	5.0	.43	.32	.23	.16
7—UVR1V471MPA	470	10 x 16	5.0	.50	.37	.26	.19
7—UVR1V102MHA	1000	12.5 x 20	5.0	.92	.68	.50	.36
7—UVR1V222MHA	2200	16 x 25	7.5	1.51	1.13	.85	.60
7—UVR1V332MHA	3300	16 x 35.5	7.5	2.06	1.56	1.18	.88
7—UVR1V472MHA	4700	18 x 35.5	7.5	3.09	2.34	1.76	1.32
Volt							
7—UVR1HR33MDA	0.33	5 x 11	2.0	.18	.11	.08	.05
7—UVR1HR47MDA	0.47	5 x 11	2.0	.19	.12	.08	.05
7—UVR1H010MDA	1.0	5 x 11	2.0	.16	.10	.07	.05
7—UVR1H2R2MDA	2.2	5 x 11	2.0	.16	.10	.07	.05
7—UVR1H3R3MDA	3.3	5 x 11	2.0	.16	.10	.07	.05
7—UVR1H4R7MDA	4.7	5 x 11	2.0	.16	.10	.07	.05
7—UVR1H100MDA	10	5 x 11	2.0	.16	.10	.07	.05
7—UVR1H220MDA	22	5 x 11	2.0	.17	.11	.07	.05
7—UVR1H330MDA	33	5 x 11	2.0	.21	.13	.09	.06
7—UVR1H470MEA	47	6.3 x 11	2.5	.25	.16	.10	.07
7—UVR1H101MPA	100	8 x 11.5	3.5	.30	.20	.14	.10
7—UVR1H221MPA	220	10 x 12.5	5.0	.40	.30	.21	.16

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
647—UVR1H331MPA	330	10 x 16	5.0	.53	.39	.29	.21
647—UVR1H471MHA	470	12.5 x 20	5.0	.63	.47	.34	.25
647—UVR1H102MHA	1000	12.5 x 25	5.0	1.09	.82	.61	.44
647—UVR1H222MHA	2200	16 x 35.5	7.5	2.06	1.56	1.18	.88
647—UVR1H332MHA	3300	18 x 35.5	7.5	3.25	2.46	1.86	1.39
63 Volt							
647—UVR1J100MDA	10	5 x 11	2.0	.20	.13	.09	.06
647—UVR1J220MDA	22	5 x 11	2.0	.22	.14	.09	.06
647—UVR1J330MEA	33	6.3 x 11	2.5	.23	.16	.11	.08
647—UVR1J470MEA	47	6.3 x 11	2.5	.30	.21	.14	.10
647—UVR1J101MPA	100	10 x 12.5	5.0	.33	.24	.17	.13
647—UVR1J221MPA	220	10 x 16	5.0	.53	.40	.29	.21
647—UVR1J331MPA	330	10 x 20	5.0	.70	.53	.39	.28
647—UVR1J471MHA	470	12.5 x 20	5.0	1.01	.76	.57	.40
647—UVR1J102MHA	1000	16 x 25	7.5	1.85	1.39	1.04	.74
647—UVR1J222MHA	2200	18 x 35.5	7.5	3.23	2.45	1.85	1.39
100 Volt							
647—UVR2A0R1MDA	0.1	5 x 11	2.0	.20	.13	.09	.06
647—UVR2AR22MDA	0.22	5 x 11	2.0	.20	.13	.09	.06
647—UVR2AR33MDA	0.33	5 x 11	2.0	.20	.13	.09	.06
647—UVR2AR47MDA	0.47	5 x 11	2.0	.20	.13	.09	.06
647—UVR2A010MDA	1.0	5 x 11	2.0	.20	.13	.09	.06
647—UVR2A2R2MDA	2.2	5 x 11	2.0	.20	.13	.09	.06
647—UVR2A3R3MDA	3.3	5 x 11	2.0	.19	.12	.08	.06
647—UVR2A4R7MDA	4.7	5 x 11	2.0	.20	.13	.09	.06
647—UVR2A100MEA	10	6.3 x 11	2.5	.26	.16	.11	.08
647—UVR2A220MEA	22	6.3 x 11	2.5	.32	.22	.15	.10
647—UVR2A330MPA	33	8 x 11.5	3.5	.38	.26	.18	.12
647—UVR2A470MPA	47	10 x 12.5	5.0	.36	.27	.19	.14
647—UVR2A101MPA	100	10 x 20	5.0	.58	.43	.32	.23
647—UVR2A221MHA	220	12.5 x 25	5.0	1.16	.87	.66	.46
647—UVR2A331MHA	330	12.5 x 25	5.0	1.51	1.14	.85	.61
647—UVR2A471MHA	470	16 x 25	7.5	1.98	1.50	1.13	.85
647—UVR2A102MHA	1000	18 x 40	7.5	3.75	2.84	2.14	1.61
160 Volt							
647—UVR2C010MEA	1.0	6.3 x 11	2.5	.38	.26	.18	.13
647—UVR2C2R2MEA	2.2	6.3 x 11	2.5	.39	.27	.19	.14
647—UVR2C4R7MEA	4.7	6.3 x 11	2.5	.39	.27	.19	.14
647—UVR2C100MPA	10	8 x 11.5	3.5	.49	.36	.26	.19
647—UVR2C220MPA	22	10 x 16	5.0	.56	.42	.31	.25
647—UVR2C330MPA	33	10 x 20	5.0	.85	.63	.46	.33
647—UVR2C470MHA	47	12.5 x 20	5.0	1.05	.79	.60	.42
647—UVR2C101MHA	100	12.5 x 25	5.0	1.57	1.18	.88	.63
647—UVR2C221MHA	220	16 x 35.5	7.5	2.39	1.81	1.37	1.03
647—UVR2C331MHA	330	18 x 40	7.5	3.34	2.53	1.91	1.43
647—UVR2C471MRA	470	22 x 40	10.0	4.30	3.26	2.46	1.84
250 Volt							
647—UVR2E010MEA	1.0	6.3 x 11	2.5	.31	.23	.16	.11
647—UVR2E2R2MEA	2.2	6.3 x 11	2.5	.36	.26	.19	.14
647—UVR2E3R3MPA	3.3	8 x 11.5	3.5	.44	.33	.23	.17
647—UVR2E4R7MPA	4.7	8 x 11.5	3.5	.43	.32	.22	.16
647—UVR2E100MPA	10	10 x 16	5.0	.52	.39	.28	.21
647—UVR2E220MHA	22	12.5 x 20	5.0	.86	.64	.47	.30
647—UVR2E330MHA	33	12.5 x 20	5.0	1.14	.85	.64	.46
647—UVR2E470MHA	47	12.5 x 25	5.0	1.51	1.36	.85	.60
647—UVR2E101MHA	100	16 x 31.5	7.5	2.48	1.87	1.41	1.06
647—UVR2E221MRA	220	20 x 40	10.0	3.37	3.27	2.47	1.85
350 Volt							
647—UVR2V010MEA	1.0	6.3 x 11	2.5	.37	.25	.17	.12
647—UVR2V2R2MPA	2.2	8 x 11.5	3.5	.47	.33	.22	.15
647—UVR2V3R3MPA	3.3	10 x 12.5	5.0	.67	.46	.32	.21
647—UVR2V4R7MPA	4.7	10 x 12.5	5.0	.67	.46	.32	.21
647—UVR2V100MPA	10	10 x 20	5.0	.96	.67	.46	.31
647—UVR2V220MHA	22	12.5 x 25	5.0	1.14	.85	.64	.46
647—UVR2V330MHA	33	16 x 25	7.5	1.46	1.10	.83	.58
647—UVR2V470MHA	47	16 x 35.5	7.5	2.38	1.79	1.39	.95
647—UVR2V101MHA	100	18 x 40	7.5	2.77	2.08	1.57	1.11
400 Volt							
647—UVR2G010MPA	1.0	8 x 11.5	3.5	.51	.38	.27	.19
647—UVR2G2R2MPA	2.2	10 x 12.5	5.0	.57	.42	.30	.21
647—UVR2G4R7MPA	4.7	10 x 16	5.0	.98	.73	.54	.39
647—UVR2G100MHA	10	12.5 x 20	5.0	1.21	.91	.68	.48
450 Volt							
647—UVR2W3R3MPA	3.3	10 x 16	5.0	.68	.50	.37	.27
647—UVR2W220MHA	[illegible]	16 x 25	7.5	1.80	1.36	1.03	.77
647—UVR2W330MHA	33	16 x 35.5	7.5	2.42	1.83	1.38	1.04

nichicon UVZ 105°C SERIES

DIMENSIONS (mm)



Specifications:

- Operating temperature range: -55°C ~ +105°C (6.3 ~ 100V), -40°C ~ +105°C (60 ~ 400V), -25°C ~ +105°C (450V)
- Voltage range: 6.3 ~ 450V
- Capacitance range: 0.1 ~ 33000μF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Small case sizes as VR series, but operating over wide temperature range of -55°C ~ 105°C

Application note:

- A higher voltage capacitor may be used in a lower voltage application

Leakage Current:

6.3V ~ 100V	160V ~ 450V
After 1 minute application of rated voltage, leakage current is not more than 0.03CV or 4 (μA), whichever is greater. After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (μA), whichever is greater.	After 1 minute application of rated voltage, CV ≤ 10 I = 0.1CV + 40μA or less. After 1 minutes application of rated voltage, CV > 1000: I = 0.04CV + 100μA or less.

Endurance:
After 1000 hours application of rated voltage at 105°C, capacitors meet the characteristics requirements listed at right.

Capacitance change	Within ±20% of initial value
tan δ	200% or less of initial specified val
Leakage current	Initial specified value or less

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Value (μF)	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
6.3 Volt								
647—	UVZ0J101MDH	100	5 x 11	2.0	.27	.17	.12	.08
647—	UVZ0J221MDH	220	5 x 11	2.0	.26	.17	.12	.08
647—	UVZ0J331MEH	330	6.3 x 11	2.5	.33	.22	.16	.11
647—	UVZ0J471MEH	470	6.3 x 11	2.5	.32	.24	.17	.12
647—	UVZ0J102MPH	1000	8 x 11.5	3.5	.47	.35	.25	.18
647—	UVZ0J222MPH	2200	10 x 20	5.0	.67	.50	.37	.27
647—	UVZ0J332MPH	3300	10 x 20	5.0	.93	.69	.51	.37
647—	UVZ0J472MHH	4700	12.5 x 20	5.0	1.05	.79	.59	.42
647—	UVZ0J682MHH	6800	12.5 x 25	5.0	1.43	1.07	.80	.57
647—	UVZ0J103MHH	10000	16 x 25	7.5	1.79	1.35	1.02	.77
647—	UVZ0J153MHH	15000	16 x 35.5	7.5	2.56	1.94	1.46	1.10
647—	UVZ0J223MHH	22000	18 x 40	7.5	3.66	2.77	2.09	1.57
10 Volt								
647—	UVZ1A101MDH	100	5 x 11	2.0	.23	.15	.11	.07
647—	UVZ1A221MEH	220	6.3 x 11	2.5	.29	.20	.14	.10
647—	UVZ1A331MEH	330	6.3 x 11	2.5	.32	.24	.17	.12
647—	UVZ1A471MEH	470	6.3 x 11	2.5	.39	.29	.20	.15
647—	UVZ1A102MPH	1000	10 x 12.5	5.0	.54	.40	.30	.21
647—	UVZ1A222MPH	2200	10 x 20	5.0	.86	.64	.47	.34
647—	UVZ1A332MHH	3300	12.5 x 20	5.0	1.01	.75	.56	.40
647—	UVZ1A472MHH	4700	12.5 x 25	5.0	1.35	1.01	.76	.54
647—	UVZ1A682MHH	6800	16 x 25	7.5	1.89	1.42	1.07	.76
647—	UVZ1A103MHH	10000	16 x 35.5	7.5	2.28	1.73	1.30	.98
647—	UVZ1A153MHH	15000	18 x 35.5	7.5	3.52	2.67	2.01	1.51
16 Volt								
647—	UVZ1C470MDH	47	5 x 11	2.0	.27	.17	.12	.08
647—	UVZ1C101MDH	100	5 x 11	2.0	.26	.17	.12	.08
647—	UVZ1C221MEH	220	6.3 x 11	2.5	.32	.24	.17	.12
647—	UVZ1C331MPH	330	8 x 11.5	3.5	.39	.29	.20	.15
647—	UVZ1C471MPH	470	8 x 11.5	3.5	.48	.35	.25	.18
647—	UVZ1C102MPH	1000	10 x 16	5.0	.67	.50	.37	.26
647—	UVZ1C222MHH	2200	12.5 x 20	5.0	1.05	.79	.59	.42
647—	UVZ1C332MHH	3300	12.5 x 25	5.0	1.46	1.09	.82	.58
647—	UVZ1C472MHH	4700	16 x 25	7.5	1.75	1.32	1.00	.75
647—	UVZ1C682MHH	6800	16 x 35.5	7.5	2.38	1.80	1.36	1.02
647—	UVZ1C103MHH	10000	18 x 35	7.5	3.49	2.64	1.99	1.49
25 Volt								
647—	UVZ1E470MDH	47	5 x 11	2.0	.23	.15	.11	.07
647—	UVZ1E101MEH	100	6.3 x 11	2.5	.29	.20	.14	.10
647—	UVZ1E221MPH	220	8 x 11.5	3.5	.39	.29	.20	.15
647—	UVZ1E331MPH	330	10 x 12.5	5.0	.48	.35	.25	.18
647—	UVZ1E471MPH	470	10 x 12.5	5.0	.57	.43	.31	.23
647—	UVZ1E102MPH	1000	10 x 20	5.0	.92	.68	.50	.36
647—	UVZ1E222MHH	2200	12.5 x 25	5.0	1.39	1.04	.78	.55
647—	UVZ1E332MHH	3300	16 x 25	7.5	1.72	1.30	.98	.74
647—	UVZ1E472MHH	4700	16 x 31.5	7.5	2.52	1.91	1.44	1.08
647—	UVZ1E682MHH	6800	18 x 35.5	7.5	3.64	2.76	2.08	1.56
35 Volt								
647—	UVZ1V330MDH	33	5 x 11	2.0	.23	.15	.11	.07
647—	UVZ1V470MDH	47	5 x 11	2.0	.26	.17	.12	.08
647—	UVZ1V101MEH	100	6.3 x 11	2.5	.32	.24	.17	.12
647—	UVZ1V221MPH	220	10 x 12.5	5.0	.48	.35	.25	.18
647—	UVZ1V331MPH	330	10 x 12.5	5.0	.57	.43	.31	.23
647—	UVZ1V471MPH	470	10 x 16	5.0	.71	.53	.39	.28
647—	UVZ1V102MHH	1000	12.5 x 20	5.0	1.16	.87	.65	.46
647—	UVZ1V222MHH	2200	16 x 25	7.5	1.81	1.37	1.03	.77
647—	UVZ1V332MHH	3300	16 x 35.5	7.5	2.57	1.94	1.47	1.10
647—	UVZ1V472MHH	4700	18 x 35.5	7.5	3.85	2.92	2.20	1.65
50 Volt								
647—	UVZ1H0R1MDH	.1	5 x 11	2.0	.27	.17	.11	.08
647—	UVZ1HR22MDH	.22	5 x 11	2.0	.27	.17	.11	.08
647—	UVZ1HR33MDH	.33	5 x 11	2.0	.27	.17	.11	.08
647—	UVZ1HR47MDH	.47	5 x 11	2.0	.27	.17	.11	.08
647—	UVZ1H010MDH	1.0	5 x 11	2.0	.27	.17	.11	.08
647—	UVZ1H2R2MDH	2.2	5 x 11	2.0	.27	.17	.11	.08
647—	UVZ1H3R3MDH	3.3	5 x 11	2.0	.27	.17	.11	.08
647—	UVZ1H4R7MDH	4.7	5 x 11	2.0	.27	.17	.11	.08
647—	UVZ1H100MDH	10	5 x 11	2.0	.27	.17	.11	.08
647—	UVZ1H220MDH	22	5 x 11	2.0	.23	.15	.11	.07
647—	UVZ1H330MDH	33	5 x 11	2.0	.26	.17	.12	.08
647—	UVZ1H470MEH	47	6.3 x 11	2.5	.30	.21	.14	.10
647—	UVZ1H101MPH	100	8 x 11.5	3.5	.39	.29	.20	.15
647—	UVZ1H221MPH	220	10 x 12.5	5.0	.57	.43	.31	.23
647—	UVZ1H331MPH	330	10 x 16	5.0	.76	.57	.42	.30

For quantities of 1000 and up, call for q

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Value (μF)	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	5
647—	UVZ1H471MHH	470	12.5 x 20	5.0	.99	.73	.54	
647—	UVZ1H102MHH	1000	12.5 x 25	5.0	1.53	1.15	.86	
647—	UVZ1H222MHH	2200	16 x 35.5	7.5	2.57	1.94	1.47	1
647—	UVZ1H332MHH	3300	18 x 35.5	7.5	4.19	2.98	2.25	1
63 Volt								
647—	UVZ1J100MDH	10	5 x 11	2.0	.25	.17	.12	
647—	UVZ1J220MDH	22	5 x 11	2.0	.26	.17	.12	
647—	UVZ1J330MEH	33	6.3 x 11	2.5	.33	.22	.16	
647—	UVZ1J470MEH	47	6.3 x 11	2.5	.35	.26	.19	
647—	UVZ1J101MPH	100	10 x 12.5	5.0	.49	.36	.26	
647—	UVZ1J221MPH	220	10 x 16	5.0	.75	.56	.41	
647—	UVZ1J331MPH	330	10 x 20	5.0	.99	.74	.54	
647—	UVZ1J471MHH	470	12.5 x 20	5.0	1.23	.92	.69	
647—	UVZ1J102MHH	1000	16 x 25	7.5	1.99	1.50	1.13	
647—	UVZ1J222MHH	2200	18 x 35.5	7.5	4.03	3.05	2.30	1
100 Volt								
647—	UVZ2AR47MDH	.47	5 x 11	2.0	.24	.16	.11	
647—	UVZ2A010MDH	1.0	5 x 11	2.0	.24	.16	.11	
647—	UVZ2A2R2MDH	2.2	5 x 11	2.0	.25	.17	.12	
647—	UVZ2A3R3MDH	3.3	5 x 11	2.0	.25	.17	.12	
647—	UVZ2A4R7MDH	4.7	5 x 11	2.0	.25	.17	.12	
647—	UVZ2A100MEH	10	6.3 x 11	2.5	.32	.22	.16	
647—	UVZ2A220MEH	22	6.3 x 11	2.5	.37	.28	.20	
647—	UVZ2A330MPH	33	8 x 11.5	3.5	.47	.35	.25	
647—	UVZ2A470MPH	47	10 x 12.5	5.0	.58	.42	.30	
647—	UVZ2A101MPH	100	10 x 20	5.0	.91	.68	.50	
647—	UVZ2A221MHH	220	12.5 x 25	5.0	1.38	1.03	.78	
647—	UVZ2A331MHH	330	12.5 x 25	5.0	1.88	1.41	1.06	
647—	UVZ2A471MHH	470	16 x 25	7.5	2.39	1.81	1.37	1
647—	UVZ2A102MHH	1000	18 x 40	7.5	4.86	3.68	2.78	2
160 Volt								
647—	UVZ2C010MEH	1.0	6.3 x 11	2.5	.38	.28	.20	
647—	UVZ2C2R2MEH	2.2	6.3 x 11	2.5	.43	.32	.23	
647—	UVZ2C3R3MEH	3.3	6.3 x 11	2.5	.46	.34	.24	
647—	UVZ2C4R7MEH	4.7	6.3 x 11	2.5	.50	.37	.26	
647—	UVZ2C100MPH	10	8 x 11.5	3.5	.59	.44	.32	
647—	UVZ2C220MPH	22	10 x 16	5.0	.83	.62	.45	
647—	UVZ2C330MPH	33	10 x 20	5.0	.95	.72	.54	
647—	UVZ2C470MHH	47	12.5 x 20	5.0	1.24	.93	.70	
647—	UVZ2C101MHH	100	12.5 x 25	5.0	1.84	1.38	1.03	
647—	UVZ2C221MHH	220	16 x 35.5	7.5	2.75	2.07	1.57	1
647—	UVZ2C331MHH	330	18 x 40	7.5	4.12	3.12	2.35	1
200 Volt								
647—	UVZ2D010MEH	1.0	6.3 x 11	2.5	.46	.34	.24	
647—	UVZ2D2R2MEH	2.2	6.3 x 11	2.5	.48	.35	.25	
647—	UVZ2D3R3MEH	3.3	6.3 x 11	3.5	.53	.40	.29	
647—	UVZ2D4R7MPH	4.7	8 x 11.5	3.5	.62	.46	.34	
647—	UVZ2D100MPH	10	10 x 12.5	5.0	.82	.61	.45	
647—	UVZ2D220MPH	22	10 x 20	5.0	1.09	.82	.62	
647—	UVZ2D330MHH	33	12.5 x 20	5.0	1.33	1.00	.75	
647—	UVZ2D470MHH	47	12.5 x 20	5.0	1.75	1.31	.98	
647—	UVZ2D101MHH	100	16 x 31.5	7.5	2.67	2.02	1.52	
250 Volt								
647—	UVZ2E010MEH	1.0	6.3 x 11	2.5	.46	.34	.24	
647—	UVZ2E2R2MEH	2.2	6.3 X 11	2.5	.48	.35	.25	
647—	UVZ2E3R3MPH	3.3	8 x 11.5	3.5	.53	.40	.29	
647—	UVZ2E4R7MPH	4.7	8 x 11.5	3.5	.62	.46	.34	
647—	UVZ2E100MPH	10	10 x 16	5	.82	.61	.45	
647—	UVZ2E220MHH	22	12.5 x 20	5	1.09	.82	.62	
647—	UVZ2E330MHH	33	12.5 x 20	5	1.33	1.00	.75	
647—	UVZ2E470MHH	47	12.5 x 25	5	1.75	1.31	.98	
647—	UVZ2E101MHH	100	16 x 31.5	7.5	2.67	2.02	1.52	
450 Volt								
647—	UVZ2W010MPH	1.0	8 x 11.5	3.5	.64	.47	.35	
647—	UVZ2W2R2MPH	2.2	10 x 12.5	5.0	.71	.53	.39	
647—	UVZ2W3R3MPH	3.3	10 x 16	5.0	.94	.70	.51	
647—	UVZ2W4R7MPH	4.7	10 x 20	5.0	1.22	.91	.68	
647—	UVZ2W100MHH	10	12.5 x 20	5.0	1.65	1.24	.93	
647—	UVZ2W220MHH	22	16 x 25	7.5	2.24	1.69	1.28	
647—	UVZ2W330MHH	33	16 x 35.5	7.5	3.02	2.28	1.72	

hicon UPW 105°C LOW IMPEDANCE HIGH REL. SERIES

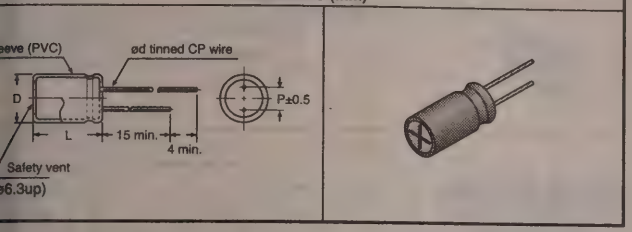
Specifications:
- Operating temperature range: -55°C ~ +105°C (6.3 ~ 100V)
- Voltage range: 6.3 ~ 100V
- Capacitance range: 0.47 ~ 15000μF
- Capacitance tolerance: ±20% at 120Hz, 20°C

Endurance:
- 2000 hours: ØD 5-6.3
  3000 hours: ØD 8
  5000 hours: ØD 10
  7000 hours: ØD 12
  8000 hours: ØD 16-18

Features:
- Low impedance and high reliability

Application note:
- A higher voltage capacitor may be used in a lower voltage application.

DIMENSIONS (mm)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Impedance Ω Max. @ 20°C/100kHz	Ripple (mA rms) 105°C/100 kHz	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
Volt									
UPW0J221MEH	220	0.25	290	6.3 x 11	2.5	.32	.24	.17	.14
UPW0J331MEH	330	0.25	290	6.3 x 11	2.5	.37	.29	.20	.17
UPW0J821MPH	820	0.085	730	8 x 15	3.5	.58	.45	.32	.26
UPW0J102MPH	1000	0.068	755	10 x 12.5	5.0	.64	.49	.35	.29
UPW0J122MPH	1200	0.065	995	8 x 20	3.5	.65	.51	.35	.30
UPW0J122MPH6	1200	0.068	1050	10 x 16	5.0	.65	.51	.35	.30
UPW0J152MPH	1500	0.052	1220	10 x 20	5.0	.75	.60	.42	.36
UPW0J222MPH6	2200	0.045	1440	10 x 25	5.0	1.02	.79	.56	.46
UPW0J332MHH	3300	0.038	1655	12.5 x 20	5.0	1.33	1.03	.73	.61
UPW0J392MHH	3900	0.03	1945	12.5 x 25	5.0	1.58	1.23	.86	.72
UPW0J472MHH	4700	0.022	2555	16 x 25	7.5	1.63	1.25	.89	.74
UPW0J472MHH6	4700	0.025	2310	12.5 x 31.5	5.0	1.63	1.25	.89	.74
UPW0J562MHH	5600	0.022	2510	12.5 x 35.5	5.0	2.04	1.58	1.11	.93
UPW0J682MHH	6800	0.022	2555	16 x 25	7.5	2.09	1.62	1.14	.95
UPW0J682MHH6	6800	0.028	2490	18 x 20	7.5	2.09	1.62	1.14	.95
UPW0J103MHH	10000	0.016	3150	16 x 31.5	7.5	3.03	2.34	1.65	1.38
UPW0J103MHH6	10000	0.02	2740	18 x 25	7.5	3.03	2.34	1.65	1.38
UPW0J153MHH	15000	0.015	3680	18 x 35.5	7.5	3.74	2.89	2.04	1.70
olt									
UPW1A220MDH	22	0.6	180	5 x 11	2.0	.22	.17	.12	.10
UPW1A820MDH	82	0.6	180	5 x 11	2.0	.25	.19	.14	.11
UPW1A101MDH	100	0.6	180	5 x 11	2.0	.25	.19	.14	.11
UPW1A221MEH	220	0.25	290	6.3 x 11	2.5	.39	.30	.21	.18
UPW1A471MPH	470	0.117	555	8 x 11.5	3.5	.56	.43	.31	.26
UPW1A681MPH	681	0.09	755	10 x 12.5	5.0	.58	.45	.32	.26
UPW1A681MPH6	681	0.085	730	8 x 15	3.5	.58	.45	.32	.26
UPW1A102MPH	1000	0.068	1050	10 x 16	5.0	.79	.61	.43	.36
UPW1A102MPH6	1000	0.065	995	8 x 20	3.5	.79	.61	.43	.36
UPW1A122MPH	1200	0.052	1220	10 x 20	5.0	.88	.68	.48	.40
UPW1A152MPH6	1500	0.45	1440	10 x 25	5.0	.91	.71	.50	.42
UPW1A222MHH	2200	0.038	1655	12.5 x 20	5.0	1.29	1.00	.71	.59
UPW1A272MHH	2700	0.03	1945	12.5 x 25	5.0	1.33	1.03	.73	.61
UPW1A332MHH	3300	0.03	1945	12.5 x 25	5.0	1.58	1.22	.86	.72
UPW1A332MHH6	3300	0.025	2310	12.5 x 31.5	5.0	1.58	1.22	.86	.72
UPW1A392MHH	3900	0.022	2510	12.5 x 35.5	5.0	1.63	1.25	.89	.74
UPW1A472MHH	4700	0.022	2555	16 x 25	7.5	2.04	1.58	1.11	.93
UPW1A562MHH6	5600	0.028	2490	18 x 20	7.5	2.88	2.22	1.57	1.31
UPW1A682MHH	6800	0.018	3010	16 x 31.5	7.5	3.03	2.34	1.65	1.38
UPW1A682MHH6	6800	0.02	2740	18 x 25	7.5	3.03	2.34	1.65	1.38
UPW1A103MHH	10000	0.015	3680	18 x 35.5	7.5	3.74	2.89	2.04	1.70
olt									
UPW1C820MDH	82	0.5	235	5 x 15	2.0	.28	.22	.15	.13
UPW1C121MEH	120	0.25	290	6.3 x 11	2.0	.32	.24	.17	.14
UPW1C181MEH	180	0.23	430	6.3 x 15	2.5	.39	.30	.21	.18
UPW1C331MPH	330	0.117	555	8 x 11.5	2.5	.58	.45	.32	.26
UPW1C471MPH	470	0.09	755	10 x 12.5	3.5	.61	.47	.33	.28
UPW1C471MPH6	470	0.085	730	8 x 15	5.0	.61	.47	.33	.28
UPW1C681MPH	680	0.068	1050	10 x 16	3.5	.88	.68	.48	.40
UPW1C681MPH6	680	0.065	995	8 x 20	5.0	.88	.68	.48	.40
UPW1C821MPH	820	0.052	1220	10 x 20	3.5	.99	.77	.54	.45
UPW1C102MPH	1000	0.052	1220	10 x 20	5.0	.99	.77	.54	.45
UPW1C152MHH	1500	0.038	1655	12.5 x 20	5.0	1.38	1.06	.75	.63
UPW1C152MPH6	1500	0.035	1815	10 x 31.5	5.0	1.38	1.06	.75	.63
UPW1C222MHH	2200	0.03	1945	12.5 x 25	5.0	1.65	1.28	.90	.75
UPW1C272MHH	2700	0.025	2310	12.5 x 31.5	5.0	2.15	1.66	1.17	.98
UPW1C332MHH	3300	0.022	2555	16 x 25	7.5	2.20	1.70	1.20	1.00
UPW1C332MHH6	3300	0.022	2510	12.5 x 35.5	5.0	2.20	1.70	1.20	1.00
UPW1C392MHH	3900	0.022	2555	16 x 25	7.5	2.88	2.22	1.57	1.31
UPW1C472MHH	4700	0.018	3010	16 x 31.5	7.5	2.88	2.22	1.57	1.31
UPW1C472MHH6	4700	0.02	2740	18 x 25	7.5	2.88	2.22	1.57	1.31
UPW1C562MHH	5600	0.016	3150	16 x 35.5	7.5	3.03	2.34	1.65	1.38
UPW1C822MHH	8200	0.015	3680	18 x 35.5	7.5	3.74	2.89	2.04	1.70
olt									
UPW1E470MDH	47	0.6	180	5 x 11	2.0	.31	.24	.17	.14
UPW1E560MDH	56	0.5	235	5 x 15	2.0	.31	.24	.17	.14
UPW1E101MEH	100	0.25	290	6.3 x 11	2.5	.41	.32	.23	.19
UPW1E121MEH	120	0.23	430	6.3 x 15	2.5	.42	.32	.23	.19
UPW1E221MPH	220	0.117	555	8 x 11.5	3.5	.58	.45	.32	.26
UPW1E331MPH	330	0.09	755	10 x 12.5	5.0	.65	.51	.35	.30
UPW1E331MPH6	330	0.085	730	8 x 15	3.5	.65	.51	.35	.30
UPW1E471MPH	470	0.068	1050	10 x 16	5.0	.88	.68	.48	.40
UPW1E471MPH6	470	0.065	995	8 x 20	3.5	.88	.68	.48	.40
UPW1E561MPH	560	0.052	1220	10 x 20	5.0	1.04	.80	.57	.48
UPW1E681MPH	680	0.052	1220	10 x 20	5.0	1.04	.80	.57	.48
UPW1E102MHH	1000	0.038	1655	12.5 x 20	5.0	1.35	1.04	.74	.61
UPW1E152MHH	1500	0.022	2555	16 x 25	7.5	1.65	1.28	.90	.75

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Impedance Ω Max. @ 20°C/100kHz	Ripple (mA rms) 105°C/100 kHz	Case Size D x L (mm) Max.	LS (mm)	Price Each 1	10	100	500
647-UPW1E152MHH6	1500	0.03	1945	12.5 x 25	5.0	1.65	1.28	.90	.75
647-UPW1E182MHH	1800	0.025	2310	12.5 x 31.5	7.5	2.04	1.58	1.11	.93
647-UPW1E222MHH6	2200	0.028	2490	18 x 20	5.0	2.15	1.66	1.17	.98
647-UPW1E222MHH3	2200	0.022	2510	12.5 x 35.5	7.5	2.15	1.66	1.17	.98
647-UPW1E272MHH	2700	0.022	2555	16 x 25	7.5	2.75	2.13	1.50	1.25
647-UPW1E332MHH	3300	0.018	3010	16 x 31.5	7.5	2.89	2.23	1.58	1.32
647-UPW1E332MHH6	3300	0.02	2740	18 x 25	7.5	2.89	2.23	1.58	1.32
647-UPW1E472MHH	4700	0.015	3680	18 x 35.5	7.5	3.54	2.73	1.93	1.61
35 Volt									
647-UPW1V330MDH	33	0.6	180	5 x 11	2.0	.30	.24	.17	.14
647-UPW1V390MDH	39	0.5	235	5 x 15	2.0	.31	.24	.17	.14
647-UPW1V820MEH	82	0.23	430	6.3 x 15	2.5	.42	.32	.23	.19
647-UPW1V151MPH	150	0.117	555	8 x 11.5	3.5	.45	.35	.25	.21
647-UPW1V221MPH	220	0.09	755	10 x 12.5	5.0	.65	.51	.35	.30
647-UPW1V221MPH6	220	0.085	730	8 x 15	3.5	.65	.51	.35	.30
647-UPW1V331MPH	330	0.068	1050	10 x 16	5.0	.88	.68	.48	.40
647-UPW1V331MPH6	330	0.065	995	8 x 20	5.0	.88	.68	.48	.40
647-UPW1V391MPH	390	0.052	1220	10 x 20	5.0	1.12	.86	.61	.51
647-UPW1V471MPH	470	0.052	1220	10 x 20	5.0	1.12	.86	.61	.51
647-UPW1V681MHH	680	0.038	1655	12.5 x 20	5.0	1.38	1.06	.75	.63
647-UPW1V102MHH	1000	0.03	1945	12.5 x 25	5.0	1.71	1.32	.93	.78
647-UPW1V122MHH	1200	0.025	2310	12.5 x 31.5	5.0	2.04	1.58	1.11	.93
647-UPW1V152MHH	1500	0.022	2555	16 x 25	7.5	2.20	1.70	1.20	1.00
647-UPW1V152MHH6	1500	0.022	2510	12.5 x 35.5	5.0	2.20	1.70	1.20	1.00
647-UPW1V222MHH	2200	0.018	3010	16 x 31.5	7.5	2.75	2.13	1.50	1.25
647-UPW1V222MHH6	2200	0.02	2740	18 x 25	7.5	2.75	2.13	1.50	1.25
647-UPW1V332MHH	3300	0.015	3680	18 x 35.5	7.5	3.54	2.73	1.93	1.61
50 Volt									
647-UPW1H010MDH	1	3.5	40	5 x 11	2.0	.22	.17	.12	.10
647-UPW1H2R2MDH	2.2	3	55	5 x 11	2.0	.22	.17	.12	.10
647-UPW1H3R3MDH	3.3	2.6	65	5 x 11	2.0	.22	.17	.12	.10
647-UPW1H4R7MDH	4.7	2.3	90	5 x 11	2.0	.22	.17	.12	.10
647-UPW1H100MDH	10	1.4	120	5 x 11	2.0	.24	.19	.14	.11
647-UPW1H220MDH	22	1.2	170	5 x 11	2.0	.31	.24	.17	.14
647-UPW1H270MDH	27	0.9	215	5 x 15	2.0	.31	.24	.17	.14
647-UPW1H330MEH	33	0.43	300	6.3 x 11	2.5	.38	.29	.21	.18
647-UPW1H470MEH	47	0.43	300	6.3 x 11	2.5	.40	.31	.22	.18
647-UPW1H560MEH	56	0.4	360	6.3 x 15	2.5	.42	.32	.23	.19
647-UPW1H101MPH	100	0.234	485	8 x 11.5	3.5	.58	.45	.32	.26
647-UPW1H181MPH	180	0.12	860	8 x 20	3.5	.78	.60	.42	.36
647-UPW1H221MPH	220	0.119	850	10 x 16	5.0	.78	.60	.42	.36
647-UPW1H331MPH	330	0.09	1030	10 x 20	5.0	1.05	.82	.57	.48
647-UPW1H471MHH	470	0.06	1500	12.5 x 20	5.0	1.39	1.07	.76	.63
647-UPW1H561MHH	560	0.05	1832	12.5 x 25	5.0	1.71	1.32	.93	.78
647-UPW1H681MHH	680	0.05	1832	12.5 x 25	5.0	1.71	1.32	.93	.78
647-UPW1H681MHH6	680	0.048	1835	16 x 20	7.5	1.71	1.32	.93	.78
647-UPW1H821MHH	820	0.034	2285	12.5 x 35.5	5.0	2.04	1.58	1.11	.93
647-UPW1H102MHH	1000	0.034	2235	16 x 25	7.5	2.04	1.58	1.11	.93
647-UPW1H152MHH	1500	0.028	2700	16 x 31.5	7.5	3.03	2.34	1.65	1.38
647-UPW1H222MHH	2200	0.023	3100	18 x 35.5	7.5	3.82	2.95	2.08	1.74
63 Volt									
647-UPW1J120MDH	12	2	145	5 x 11	2.0	.31	.24	.17	.14
647-UPW1J180MDH	18	1.3	200	5 x 15	2.0	.38	.29	.21	.18
647-UPW1J220MEH	22	0.71	250	6.3 x 11	2.5	.38	.29	.21	.18
647-UPW1J330MEH	33	0.71	250	6.3 x 11	2.5	.40	.31	.22	.18
647-UPW1J390MEH	39	0.7	330	6.3 x 15	2.5	.41	.32	.23	.19
647-UPW1J470MPH	47	0.342	405	8 x 11.5	3.5	.45	.35	.25	.21
647-UPW1J680MPH	68	0.342	405	8 x 11.5	3.5	.58	.45	.32	.26
647-UPW1J101MPH	100	0.256	535	10 x 12.5	5.0	.64	.49	.35	.29
647-UPW1J101MPH6	100	0.23	535	8 x 15	3.5	.64	.49	.35	.29
647-UPW1J181MHH6	180	0.15	1020	12.5 x 15	5.0	.78	.60	.42	.36
647-UPW1J221MPH6	220	0.13	1050	10 x 25	5.0	1.35	1.04	.74	.61
647-UPW1J271MHH	270	0.09	1410	16 x 15	7.5	1.05	.82	.57	.48
647-UPW1J331MHH	330	0.085	1285	12.5 x 20	5.0	1.38	1.06	.75	.63
647-UPW1J391MHH6	390	0.086	1690	18 x 15	7.5	1.38	1.06	.75	.63
647-UPW1J471MHH6	470	0.055	2090	12.5 x 31.5	5.0	1.71	1.32	.93	.78
647-UPW1J471MHH3	470	0.059	1765	16 x 20	7.5	1.71	1.32	.93	.78
647-UPW1J681MHH	680	0.05	2160	16 x 25	7.5	2.04	1.58	1.11	.93
647-UPW1J681MHH6	680	0.047	2265	12.5 x 35.5	5.0	2.04	1.58	1.11	.93
647-UPW1J102MHH	1000	0.043	2670	16 x 31.5	7.5	3.03	2.34	1.65	1.38
647-UPW1J152MHH	1500	0.03	3095	18 x 35.5	7.5	3.03	2.34	1.65	1.38
100 Volt									
647-UPW2A010MDH	1	20	30	5 x 11	2.0	.25	.19	.14	.11
647-UPW2A2R2MDH	2.2	9.8	44	5 x 11	2.0	.25	.19	.14	.11
647-UPW2A3R3MDH	3.3	6.6	58	5 x 11	2.0	.30	.24	.17	.14
647-UPW2A4R7MDH	4.7	4.6	74	5 x 11	2.0	.30	.24	.17	.14
647-UPW2A100MEH	10	1.8	130	6.3 x 11	2.5	.38	.29	.21	.18
647-UPW2A220MPH	22	0.68	230	8 x 11.5	3.5	.58	.45	.32	.26
647-UPW2A330MPH	33	0.46	320	10 x 12.5	5.0	.75	.58	.41	.34
647-UPW2A330MPH6	33	0.45	360	8 x 15	3.5	.64	.49	.35	.29
647-UPW2A470MPH	47	0.37	420	10 x 16	5.0	.78	.60	.42	.36
647-UPW2A680MPH	68	0.3	490	10 x 20	5.0	1.12	.86	.61	.51
647-UPW2A101MHH	100	0.18	580	12.5 x 20	5.0	1.38	1.06	.75	.63
647-UPW2A151MHH	150	0.13	710	12.5 x 25	5.0	1.88	1.45	1.03	.86
647-UPW2A221MHH	220	0.1	890	16 x 25	7.5	2.04	1.58	1.11	.93
647-UPW2A331MHH	330	0.09	1080	16 x 25	7.5	2.71	2.10	1.48	1.23
647-UPW2A471MHH	470	0.076	1310	16 x 31.5	7.5	3.03	2.34	1.65	1.38
647-UPW2A681MHH	680	0.064	1410	16 x 35.5	7.5	3.82	2.95	2.08	1.74

nichicon USR 7MM 85°C GENERAL PURPOSE SERIES

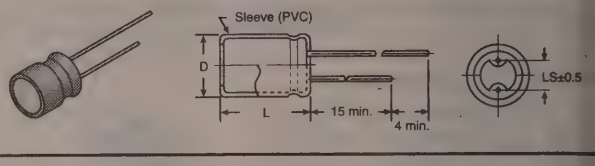
Specifications:

- Operating temperature range: -40°C ~ +85°C
- Voltage range: 6.3 ~ 50V
- Capacitance range: 0.1 ~ 470µF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage current: after 2 minutes application of rated voltage, leakage current is no more than 0.01CV or 3µA, whichever is greater

Endurance:
After 2000 hours application of rated voltage at 85°C, capacitors meet the characteristics requirements listed at right.

Capacitance change	Within ±20% of initial value
tan δ	200% or less of initil specified value
Leakage current	Initial specified value or less

DIMENSIONS (mm)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
Mfr.	Mfr. Part Number					1	10	100	500
647—USR0J220MDA		6.3	22	4 X 7	1.5	.24	.15	.10	.07
647—USR0J330MDA		6.3	33	4 X 7	1.5	.22	.14	.09	.06
647—USR0J470MDA		6.3	47	4 X 7	1.5	.23	.15	.10	.07
647—USR0J101MDA		6.3	100	5 X 7	2.0	.27	.17	.11	.08
647—USR0J221MDA		6.3	220	6.3 X 7	2.5	.27	.18	.13	.09
647—USR0J331MCA		6.3	330	8 X 7	3.5	.32	.23	.17	.12
647—USR1A220MDA		10	22	4 X 7	1.5	.22	.14	.09	.06
647—USR1A330MDA		10	33	4 X 7	1.5	.23	.15	.10	.07
647—USR1A470MDA		10	47	5 X 7	2	.24	.15	.10	.07
647—USR1A101MDA		10	100	6.3 X 7	2.5	.24	.16	.11	.08
647—USR1A221MCA		10	220	8 X 7	3.5	.31	.23	.17	.12
647—USR1C100MDA		16	10	4 X 7	1.5	.20	.13	.09	.06
647—USR1C220MDA		16	22	4 X 7	1.5	.22	.14	.09	.06
647—USR1C330MDA		16	33	5 X 7	2	.27	.17	.11	.08
647—USR1C470MDA		16	47	5 X 7	2	.27	.17	.11	.08
647—USR1C101MDA		16	100	6.3 X 7	2.5	.27	.18	.13	.09
647—USR1E100MDA		25	10	4 X 7	1.5	.22	.14	.09	.06
647—USR1E220MDA		25	22	5 X 7	2	.25	.15	.10	.07

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
Mfr.	Mfr. Part Number					1	10	100	5
647—USR1E330MDA		25	33	5 X 7	2	.24	.16	.11	.0
647—USR1E470MDA		25	47	6.3 X 7	2.5	.27	.18	.13	.0
647—USR1V4R7MDA		35	4.7	4 X 7	1.5	.20	.13	.09	.0
647—USR1V100MDA		35	10	4 X 7	1.5	.24	.15	.10	.0
647—USR1V220MDA		35	22	5 X 7	2	.24	.16	.11	.0
647—USR1V330MDA		35	33	6.3 X 7	2.5	.27	.18	.13	.0
647—USR1V470MCA		35	47	8 X 7	3.5	.32	.23	.17	.1
647—USR1H0R1MDA		50	.1	4 X 7	1.5	.21	.13	.09	.0
647—USR1HR22MDA		50	.22	4 X 7	1.5	.21	.13	.09	.0
647—USR1HR33MDA		50	.33	4 X 7	1.5	.21	.13	.09	.0
647—USR1HR47MDA		50	.47	4 X 7	1.5	.21	.13	.09	.0
647—USR1H010MDA		50	1	4 X 7	1.5	.21	.13	.09	.0
647—USR1H2R2MDA		50	2.2	4 X 7	1.5	.21	.13	.09	.0
647—USR1H3R3MDA		50	3.3	4 X 7	1.5	.21	.13	.09	.0
647—USR1H4R7MDA		50	4.7	4 X 7	1.5	.21	.14	.09	.0
647—USR1H100MDA		50	10	5 X 7	2	.27	.17	.11	.0
647—USR1H220MDA		50	22	6.3 X 7	2.5	.27	.18	.13	.0
647—USR1H330MCA		50	33	8 X 7	3.5	.32	.23	.17	.1

nichicon UVP BI-POLAR 85°C SERIES

Specifications:

- Operating temperature range: -40°C ~ +85°C
- Voltage range: 6.3 ~ 100V
- Capacitance range: 0.47 ~ 6800µF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage current: After 5 minutes application of rated voltage, leakage current is not more than 0.03CV or 3µA, whichever is greater.

Features:

- Standard bi-polarized series for entertainment electronics
- Ideal for circuits where reverse voltage is applied when switches are turned off or on or where the polarity is not constant

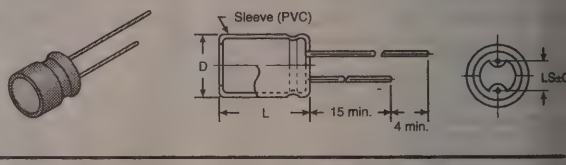
Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

Endurance:
After 2000 hours application of rated voltage at 85°C with the polarity inverted every 250 hours, capacitors meet the characteristics requirements listed at right.

Capacitance change	Within ±20% of initial value
tan δ	200% or less of initil specified value
Leakage current	Initial specified value or less

DIMENSIONS (mm)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
Mfr.	Mfr. Part Number					1	10	100	500
647—UVP0J330MDA		6.3	33	5 x 11	2.0	.26	.19	.13	.11
647—UVP0J101MEA		6.3	100	6.3 x 11	2.5	.30	.23	.15	.13
647—UVP0J221MPA		6.3	220	8 x 11.5	3.5	.36	.27	.18	.15
647—UVP0J331MPA		6.3	330	8 x 11.5	3.5	.43	.32	.22	.18
647—UVP0J471MPA		6.3	470	10 x 12.5	5.0	.61	.46	.30	.25
647—UVP0J102MPA		6.3	1000	10 x 20	5.0	.72	.54	.36	.30
647—UVP0J332MHA		6.3	3300	16 x 25	7.5	1.45	1.09	.72	.60
647—UVP0J472MHA		6.3	4700	16 x 31.5	7.5	1.83	1.37	.91	.76
647—UVP0J682MHA		6.3	6800	18 x 35.5	7.5	2.58	1.94	1.29	1.08
647—UVP1A470MDA		10	47	5 x 11	2.0	.30	.23	.15	.13
647—UVP1A101MEA		10	100	6.3 x 11	2.5	.34	.26	.17	.14
647—UVP1A221MPA		10	220	8 x 11.5	3.5	.43	.32	.22	.18
647—UVP1A471MPA		10	470	10 x 16	5.0	.61	.46	.30	.25
647—UVP1A102MHA		10	1000	12.5 x 20	5.0	.87	.65	.43	.36
647—UVP1A222MHA		10	2200	16 x 25	7.5	1.42	1.07	.71	.59
647—UVP1A472MHA		10	4700	18 x 35.5	7.5	2.60	1.95	1.30	1.08
647—UVP1C100MDA		16	10	5 x 11	2.0	.26	.19	.13	.11
647—UVP1C220MDA		16	22	5 x 11	2.0	.30	.23	.15	.13
647—UVP1C330MDA		16	33	5 x 11	2.0	.30	.23	.15	.13
647—UVP1C470MEA		16	47	6.3 x 11	2.5	.30	.23	.15	.13
647—UVP1C101MPA		16	100	8 x 11.5	3.5	.36	.27	.18	.15
647—UVP1C221MPA		16	220	10 x 12.5	5.0	.61	.46	.30	.25
647—UVP1C331MPA		16	330	10 x 16	5.0	.61	.46	.30	.25
647—UVP1C471MPA		16	470	10 x 20	5.0	.72	.54	.36	.30
647—UVP1C102MHA		16	1000	12.5 x 25	5.0	1.12	.84	.56	.47
647—UVP1C222MHA		16	2200	16 x 31.5	7.5	1.93	1.45	.97	.80
647—UVP1C332MHA		16	3300	18 x 35.5	7.5	2.78	2.09	1.39	1.16
647—UVP1E100MDA		25	10	5 x 11	2.0	.26	.19	.13	.11
647—UVP1E220MEA		25	22	6.3 x 11	2.5	.30	.23	.15	.13
647—UVP1E330MEA		25	33	6.3 x 11	2.5	.34	.26	.17	.14
647—UVP1E470MEA		25	47	6.3 x 11	2.5	.36	.27	.18	.15
647—UVP1E101MPA		25	100	8 x 11.5	3.5	.43	.32	.22	.18
647—UVP1E221MPA		25	220	10 x 16	5.0	.72	.54	.36	.30
647—UVP1E331MHA		25	330	12.5 x 20	5.0	.87	.65	.43	.36
647—UVP1E471MHA		25	470	12.5 x 20	5.0	1.03	.77	.52	.43
647—UVP1E102MHA		25	1000	16 x 25	7.5	1.42	1.07	.71	.59
647—UVP1E222MHA		25	2200	18 x 35.5	7.5	2.88	2.16	1.44	1.20
647—UVP1V4R7MDA		35	4.7	5 x 11	2.0	.26	.19	.13	.11

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
Mfr.	Mfr. Part Number					1	10	100	5
647—UVP1V100MDA		35	10	5 x 11	2.0	.30	.23	.15	.
647—UVP1V220MEA		35	22	6.3 x 11	2.5	.34	.26	.17	.
647—UVP1V470MPA		35	47	8 x 11.5	3.5	.43	.32	.22	.
647—UVP1V101MPA		35	100	10 x 16	5.0	.61	.46	.30	.
647—UVP1V221MHA		35	220	12.5 x 20	5.0	.87	.65	.43	.
647—UVP1V331MHA		35	330	12.5 x 20	5.0	1.03	.77	.52	.
647—UVP1V471MHA		35	470	12.5 x 25	5.0	1.12	.84	.56	.
647—UVP1V102MHA		35	1000	16 x 31.5	7.5	1.93	1.44	.96	.
647—UVP1HR47MDA		50	0.47	5 x 11	2.0	.26	.19	.13	.
647—UVP1H010MDA		50	1	5 x 11	2.0	.26	.19	.13	.
647—UVP1H2R2MDA		50	2.2	5 x 11	2.0	.26	.19	.13	.
647—UVP1H3R3MDA		50	3.3	5 x 11	2.0	.26	.19	.13	.
647—UVP1H4R7MDA		50	4.7	5 x 11	2.0	.30	.23	.15	.
647—UVP1H100MEA		50	10	6.3 x 11	2.5	.30	.23	.15	.
647—UVP1H220MPA		50	22	8 x 11.5	3.5	.34	.26	.17	.
647—UVP1H470MPA		50	47	10 x12.5	5.0	.61	.46	.30	.
647—UVP1H101MPA		50	100	10 x 20	5.0	.87	.65	.43	.
647—UVP1H221MHA		50	220	12.5 x 25	5.0	1.12	.84	.56	.
647—UVP1H331MHA		50	330	16 x 25	7.5	1.42	1.07	.71	.
647—UVP1H471MHA		50	470	16 x 31.5	7.5	1.69	1.27	.85	.
647—UVP1J3R3MDA		63	3.3	5 x 11	2.0	.30	.23	.15	.
647—UVP1J4R7MEA		63	4.7	6.3 x 11	2.5	.30	.23	.15	.
647—UVP1J100MEA		63	10	6.3 x 11	2.5	.35	.26	.18	.
647—UVP1J220MPA		63	22	8 x 11.5	3.5	.43	.32	.22	.
647—UVP1J330MPA		63	33	10 x12.5	5.0	.61	.46	.30	.
647—UVP1J470MPA		63	47	10 x 16	5.0	.72	.54	.36	.
647—UVP1J101MHA		63	100	12.5 x 20	5.0	1.03	.77	.52	.
647—UVP1J221MHA		63	220	16 x 25	7.5	1.45	1.09	.72	.
647—UVP1J331MHA		63	330	16 x 31.5	7.5	1.67	1.25	.83	.
647—UVP2AR47MDA		100	0.47	5 x 11	2.0	.27	.20	.13	.
647—UVP2A010MDA		100	1	5 x 11	2.0	.27	.20	.13	.
647—UVP2A2R2MEA		100	2.2	6.3 x 11	2.5	.26	.19	.13	.
647—UVP2A3R3MEA		100	3.3	6.3 x 11	2.5	.26	.19	.13	.
647—UVP2A4R7MEA		100	4.7	6.3 x 11	2.5	.35	.26	.18	.
647—UVP2A100MPA		100	10	8 x 11.5	3.5	.40	.30	.20	.
647—UVP2A220MPA		100	22	10 x 16	5.0	.45	.33	.22	.
647—UVP2A330MHA		100	33	12.5 x 20	5.0	.72	.54	.36	.
647—UVP2A470MHA		100	47	12.5 x 20	5.0	1.03	.77	.52	.
647—UVP2A101MHA		100	100	16 x 25	7.5	1.45	1.09	.72	.
647—UVP2A221MHA		100	220	18 x 35.5	7.5	2.67	2.00	1.33	.

ichicon TVX 85°C AXIAL SERIES

ecifications:

perating temperature range: -40°C to + 85° C (6.3 to 250V), -25°C to +85°C (315 to 450 V)
oltage range : 6.3-450V.
apacitance range: 0.47 to 10000μF
apacitance tolerance: ± 20% at 120Hz/ 20°C

plication Note:

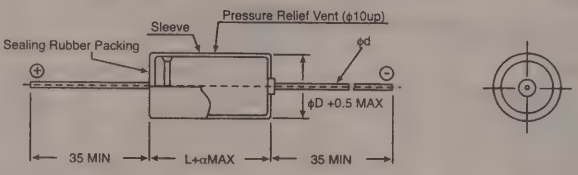
higher voltage capacitor may be used in a lower voltage application.

d Life:

r 2000 hours application of rated voltage at C, capacitors meet the characteristics listed ght.

Capacitance change	Within ± 25% of initial value
tan δ	200% or less of initial specified value
Leakage current	Initial specified value or less

DIMENSIONS (mm)



For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Value (μF)	Case Size D x L (mm)	Price Each 1	100	500	1000
Volt							
'—TVX0J101MAA		100	5 x 12	.29	.24	.19	.18
'—TVX0J221MAA		220	6.3 x 16	.30	.25	.20	.19
'—TVX0J331MAA		330	6.3 x 16	.31	.26	.21	.19
'—TVX0J102MCA		1000	10 x 21	.54	.45	.36	.33
'—TVX0J332MCA		3300	13 x 26	.89	.74	.59	.55
'—TVX0J682MCA		6800	16 x 31.5	1.74	1.45	1.16	1.07
Volt							
'—TVX1A101MAA		100	6.3 x 12	.24	.20	.16	.15
'—TVX1A221MAA		220	6.3 x 16	.29	.24	.19	.18
'—TVX1A331MAA		330	8 x 16	.29	.24	.19	.18
'—TVX1A471MAA		470	8 x 16	.33	.28	.22	.21
'—TVX1A102MCA		1000	10 x 21	.47	.39	.31	.29
'—TVX1A222MCA		2200	13 x 26	.85	.71	.57	.53
'—TVX1A332MCA		3300	13 x 31.5	1.23	1.03	.82	.76
'—TVX1A103MCA		10000	18 x 41	3.13	2.61	2.09	1.93
Volt							
—TVX1C220MAA		22	5 x 12	.20	.17	.13	.12
—TVX1C330MAA		33	5 x 12	.21	.17	.14	.13
—TVX1C470MAA		47	5 x 12	.24	.20	.16	.15
—TVX1C101MAA		100	6.3 x 16	.26	.22	.17	.16
—TVX1C221MAA		220	8 x 16	.30	.25	.20	.18
—TVX1C331MAA		330	8 x 16	.38	.32	.26	.24
—TVX1C471MAA		470	8 x 20	.38	.32	.26	.24
—TVX1C102MCA		1000	10 x 26	.66	.55	.44	.40
—TVX1C222MCA		2200	13 x 31.5	.99	.82	.66	.61
—TVX1C332MCA		3300	16 x 31.5	1.55	1.29	1.03	.95
—TVX1C472MCA		4700	16 x 41.5	2.10	1.75	1.40	1.30
—TVX1C103MDA		10000	22 x 40	3.24	2.70	2.16	2.00
Volt							
—TVX1E100MAA		10	5 x 12	.20	.17	.13	.12
—TVX1E220MAA		22	5 x 12	.21	.17	.14	.13
—TVX1E330MAA		33	5 x 12	.24	.20	.16	.15
—TVX1E470MAA		47	6.3 x 12	.26	.21	.17	.16
—TVX1E101MAA		100	6.3 x 16	.29	.24	.19	.18
—TVX1E221MAA		220	8 x 16	.33	.28	.22	.21
—TVX1E331MAA		330	8 x 20	.39	.33	.26	.24
—TVX1E471MCA		470	10 x 26	.55	.46	.37	.34
—TVX1E102MCA		1000	13 x 26	.86	.71	.57	.53
—TVX1E222MCA		2200	16 x 31.5	1.71	1.42	1.14	1.05
—TVX1E332MCA		3200	16 x 41.5	2.13	1.77	1.42	1.31
—TVX1E472MCA		4700	18 x 41	2.46	2.05	1.64	1.52
Volt							
—TVX1V100MAA		10	5 x 12	.20	.17	.13	.12
—TVX1V220MAA		22	5 x 12	.24	.20	.16	.15
—TVX1V330MAA		33	6.3 x 12	.24	.20	.16	.15
—TVX1V470MAA		47	6.3 x 16	.25	.21	.17	.15
—TVX1V101MAA		100	8 x 16	.29	.24	.19	.18
—TVX1V221MAA		220	8 x 20	.40	.34	.27	.25
—TVX1V331MCA		330	10 x 21	.47	.39	.31	.29
—TVX1V471MCA		470	10 x 26	.66	.55	.44	.40
—TVX1V102MCA		1000	13 x 31.5	.99	.82	.66	.61
—TVX1V222MCA		2200	16 x 31.5	2.00	1.67	1.33	1.23
—TVX1V332MCA		3300	16 x 41.5	2.43	2.03	1.62	1.50
olt							
—TVX1H010MAA		1.0	5 x 12	.21	.17	.14	.13
—TVX1H2R2MAA		2.2	5 x 12	.21	.17	.14	.13
—TVX1H3R3MAA		3.3	5 x 12	.21	.17	.14	.13
—TVX1H4R7MAA		4.7	5 x 12	.21	.17	.14	.13

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Value (μF)	Case Size D x L (mm)	Price Each 1	100	500	1000
50 Volt Cont.							
647—TVX1H100MAA		10	5 x 12	.24	.20	.16	.15
647—TVX1H220MAA		22	6.3 x 12	.24	.20	.16	.15
647—TVX1H330MAA		33	6.3 x 16	.25	.21	.17	.15
647—TVX1H470MAA		47	6.3 x 16	.29	.24	.19	.18
647—TVX1H101MAA		100	8 x 16	.38	.32	.26	.24
647—TVX1H221MCA		220	10 x 21	.47	.39	.31	.29
647—TVX1H331MCA		330	10 x 26	.68	.57	.46	.42
647—TVX1H471MCA		470	13 x 26	.81	.68	.54	.50
647—TVX1H102MCA		1000	16 x 31.5	1.63	1.36	1.09	1.00
647—TVX1H222MCA		2200	18 x 41	2.89	2.41	1.93	1.78
647—TVX1H332MDA		3300	22 X 40	3.58	2.98	2.39	2.21
647—TVX1H472MDA		4700	22 x 52	4.26	3.55	2.84	2.63
63 Volt							
647—TVX1J100MAA		10	5 x 12	.24	.20	.16	.15
647—TVX1J220MAA		22	6.3 x 12	.37	.30	.24	.23
647—TVX1J330MAA		33	6.3 x 16	.26	.22	.17	.16
647—TVX1J470MAA		47	8 x 16	.26	.22	.17	.16
647—TVX1J101MAA		100	8 x 20	.35	.29	.23	.22
647—TVX1J221MCA		220	10 x 26	.59	.49	.39	.36
647—TVX1J331MCA		330	13 x 26	.77	.64	.51	.47
647—TVX1J471MCA		470	13 x 31.5	1.15	.95	.76	.71
647—TVX1J102MCA		1000	16 x 31	2.01	1.67	1.34	1.24
100 Volt							
647—TVX2A010MAA		1.0	5 x 12	.20	.17	.13	.12
647—TVX2A2R2MAA		2.2	5 x 12	.21	.17	.14	.13
647—TVX2A3R3MAA		3.3	5 x 12	.24	.20	.16	.15
647—TVX2A4R7MAA		4.7	5 x 12	.24	.20	.16	.15
647—TVX2A100MAA		10	6.3 x 12	.24	.20	.16	.15
647—TVX2A220MAA		22	8 x 16	.29	.24	.19	.18
647—TVX2A330MAA		33	8 x 16	.38	.32	.26	.24
647—TVX2A470MAA		47	8 x 20	.39	.33	.26	.24
647—TVX2A101MCA		100	10 26	.66	.55	.44	.40
647—TVX2A221MCA		220	13 x 26	.99	.82	.66	.61
647—TVX2A331MCA		330	13 x 31.5	1.74	1.45	1.16	1.07
647—TVX2A471MCA		470	16 x 31.5	2.05	1.71	1.37	1.26
160 Volt							
647—TVX2C010MAA		1.0	6.3 x 12	.26	.22	.18	.16
647—TVX2C2R2MAA		2.2	6.3 x 16	.30	.25	.20	.18
647—TVX2C3R3MAA		3.3	8 x 16	.36	.30	.24	.22
647—TVX2C220MCA		22	10 x 26	.66	.55	.44	.40
647—TVX2C470MCA		47	13 x 31.5	1.08	.90	.72	.67
647—TVX2C101MCA		100	16 x 41.5	1.49	1.24	.99	.92
200 Volt							
647—TVX2D2R2MAA		2.2	6.3 x 16	.30	.25	.20	.18
647—TVX2D100MCA		10	10 x 21	.56	.47	.37	.34
250 Volt							
647—TVX2E3R3MAA		3.3	8 x 16	.36	.30	.24	.22
647—TVX2E4R7MAA		4.7	8 x 20	.42	.35	.28	.26
647—TVX2E100MCA		10	10 x 21	.56	.47	.37	.34
647—TVX2E330MCA		33	13 x 31.5	1.02	.85	.68	.63
647—TVX2E470MCA		47	16 x 31.5	1.49	1.24	.99	.92
647—TVX2E101MCA		100	16 x 41.5	2.07	1.73	1.38	1.28
350 Volt							
647—TVX2V100MCA		10	13 x 26	.79	.66	.53	.49
647—TVX2V470MCA		47	16 x 41.5	1.86	1.55	1.24	1.15
450 Volt							
647—TVX2W100MCA		10	13 x 26	1.24	1.04	.83	.77
647—TVX2W330MCA		33	18 x 41	2.75	2.29	1.83	1.70

Aluminum Electrolytic Capacitors

ELNA MEMORY BACK-UP CAPACITORS

The DB and DX Series has a total withstand voltage rating of 5.5 Volts. Utilizing ELNA's unique flat spring technology, which enhances the reliability of the internal coin cells. This Series is ideal for a wide range of applications from consumer applications to sophisticated instrumentations.

Features:

- For memory back up in electronic devices
- Small size, large capacitance
- Wide temperature range: -25°C to +70°C
- Minimum self-discharging
- Capacitance tolerance: -20% to +80%

DX Series

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Volt (DC)	Value (F)	Dimensions (mm)		Price Each			
				D	L	1	10	100	500
Vertical									
555-DX5R5V473	A	5.5	.047	11.5	13.5	2.28	1.71	1.39	1.14
555-DX5R5V104	A	5.5	.1	11.5	13.5	2.28	1.71	1.39	1.14
555-DX5R5V224	A	5.5	.22	11.5	13.5	2.28	1.71	1.39	1.14
555-DX5R5V334	A	5.5	.33	11.5	13.5	2.28	1.71	1.39	1.14
Horizontal									
555-DX5R5H473	B	5.5	.047	11.5	5.0	2.28	1.71	1.39	1.14
555-DX5R5H104	B	5.5	.1	11.5	5.0	2.28	1.71	1.39	1.14
555-DX5R5H224	B	5.5	.22	11.5	5.0	2.28	1.71	1.39	1.14
555-DX5R5H334	B	5.5	.33	11.5	5.0	2.28	1.71	1.39	1.14

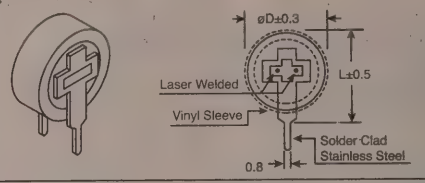
DB Series

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Volt (DC)	Value (F)	Dimensions (mm)		Price Each			
				D	L	1	10	100	500
Horizontal									
555-47Z5.5	C	5.5	.047	13.5	9.5	1.76	1.54	1.35	1.31
555-100Z5.5	C	5.5	.1	13.5	9.5	2.31	1.96	1.62	1.54
555-220Z5.5	C	5.5	.22	13.5	9.5	2.43	2.06	1.69	1.62
555-470Z5.5	C	5.5	.47	21.5	9.5	4.07	3.45	2.85	2.64
555-1.0Z5.5	C	5.5	1.0	21.1	9.5	5.05	4.46	3.54	3.29

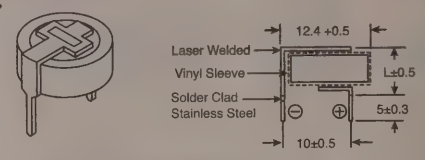
DIMENSIONS (mm)

A



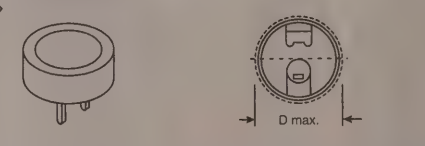
Terminal Shaped V

B



Terminal Shaped H

C



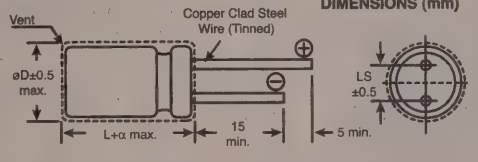
ELNA DOUBLE LAYER CAPACITORS

The DZ Series is an entirely new type of high current capacitor that has extremely low internal resistance (only 10% of standard double layer caps), capable of undergoing virtually unlimited charge/discharge cycles with no deterioration. With capacitance ranging from 1F to 100F and internal resistance from ≤0.08 to 1.0 ohms, they are ideal for CMOS backup, or they can function as a simple power supply.

Specifications:

- Temperature range: -40°C to +70°C
- Capacitance tolerance: -20% to +80%

DIMENSIONS (mm)



DZ Series

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Volt (DC)	Value (F)	Dimensions (mm)			Price Each			
			D	L	LS	1	10	100	10
555-DZ2R5D105	2.5	1.0	8.0	22.0	3.5	2.75	2.20	1.76	1.4
555-DZ2R5D335	2.5	3.3	12.5	23.0	5.0	3.65	2.92	2.34	1.9
555-DZ2R5D475	2.5	4.7	12.5	31.5	5.0	4.25	3.40	2.72	2.2
555-DZ2R5D106	2.5	10	18.0	35.0	7.5	6.10	4.88	3.90	3.1

UCC LXY SERIES 105°C LOW IMPEDANCE CAPACITORS

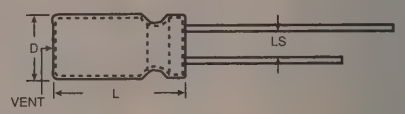
The LXY Series capacitors have a low impedance and are designed for use in situations at high frequencies. The LXY capacitors are ideal for use in switching power supplies, as their characteristics include a wide temperature range, long life, and low impedance.
The LXY Series capacitors are solvent proof.

Features:

- Low Impedance
- High Frequency Applications

Specifications:

- Operating Temperature range: -55°C to + 105°C
- Voltage Range: 10 to 63VDC
- Capacitance Range: 10 to 8,200μF
- Capacitance Tolerance: ± 20% at +20°C, 120Hz
- Rated Lifetime: 2,000 - 8,000 hours depending on case size
- Leakage Current: 0.01CV or 3μA, whichever is greater, after 2 minutes at +20°C



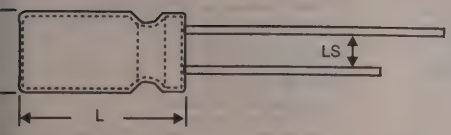
Dimensions (D x L in mm) printed in BOLD in UCC Part Number

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	LS	Price Each			
				1	100	500	1000
10 Volt							
661-LXY10VB221M	LXY10VB221M6X15LL	220	2.5	.17	.16	.13	.12
661-LXY10VB471MLL	LXY10VB471M8X15LL	470	3.5	.25	.23	.18	.17
661-LXY10VB102M	LXY10VB102M10X20LL	1000	5	.28	.25	.20	.19
16 Volt							
661-LXY16VB56RMLL	LXY16VB56RM6X7LL	56	2.5	.14	.12	.10	.09
661-LXY16VB121M	LXY16VB121M6X11LL	120	2.5	.14	.12	.10	.09
661-LXY16VB331M	LXY16VB331M8X15LL	330	3.5	.26	.23	.19	.18
661-LXY16VB471M	LXY16VB471M8X20LL	470	3.5	.27	.24	.19	.18
661-LXY16VB122MLL	LXY16VB122M12X20LL	1200	5	.47	.42	.34	.32
661-LXY16VB152M	LXY16VB152M12X25LL	1500	5	.55	.50	.40	.38
661-LXY16VB222MLL	LXY16VB222M12X30LL	2200	5	.60	.54	.43	.41
25 Volt							
661-LXY25VB471M	LXY25VB471M10X20LL	470	5	.32	.29	.23	.22
661-LXY25VB102MLL	LXY25VB102M12X25LL	1000	5	.49	.44	.35	.33
661-LXY25VB222M	LXY25VB222M12X40LL	2200	5	.77	.69	.55	.52
661-LXY25VB332MLL	LXY25VB332M16X35LL	3300	7.5	.90	.81	.65	.61

For quantities 2000 and up, call for q

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	LS	Price Each			1
				1	100	500	
35 Volt							
661-LXY35VB121MLL	LXY35VB121M8X12LL	120	3.5	.16	.14	.12	
661-LXY35VB221MLLA	LXY35VB221M8X20LL	220	3.5	.27	.24	.19	
661-LXY35VB331MLL	LXY35VB331M10X20LL	330	5	.30	.27	.22	
661-LXY35VB102MLL	LXY35VB102M12X30LL	1000	5	.54	.49	.39	
661-LXY35VB122M	LXY35VB122M16X25LL	1200	7.5	.78	.70	.56	
661-LXY35VB152MLL	LXY35VB152M12X40LL	1500	5	.77	.69	.55	
661-LXY35VB222MLL	LXY35VB222M16X35LL	2200	7.5	1.06	.96	.76	
50 Volt							
661-LXY50VB10RM	LXY50VB10RM6X5LL	10	2.5	.24	.22	.18	
661-LXY50VB56RMLL	LXY50VB56RM6X15LL	56	2.5	.17	.16	.13	
661-LXY50VB68RMLL	LXY50VB68RM8X12LL	68	3.5	.20	.18	.15	
661-LXY50VB121MLL	LXY50VB121M8X20LL	120	3.5	.29	.26	.21	
661-LXY50VB331M	LXY50VB331M12X20LL	330	5	.45	.40	.32	
661-LXY50VB471MLL	LXY50VB471M12X25LL	470	5	.57	.51	.41	
661-LXY50VB561M	LXY50VB561M12X30LL	560	5	.60	.54	.43	
661-LXY50VB102MLL	LXY50VB102M16X30LL	1000	7.5	.76	.68	.55	
63 Volt							
661-LXY63VB68RM	LXY63VB68RM10X16LL	68	5	.28	.25	.20	
661-LXY63VB331M	LXY63VB331M16X20LL	330	7.5	.75	.67	.54	



515D and 517D Dimensions Table

DIMENSIONS IN (mm)

CASE CODE is listed in **BOLD** in Vishay Part No. Column

Case Code	Nominal Case Size D x L	Lead Spacing LS	Case Code	Nominal Case Size D x L	Lead Spacing (LS)
JA	.197 x .433 (5.0 x 11.0)	.079 (2.0)	**DG**	.492 x .787 (12.5 x 20.0)	.197 (5.0)
AA	.248 x .433 (6.3 x 11.0)	.098 (2.5)	**DK**	.492 x .984 (12.5 x 25.0)	.197 (5.0)
BB	.315 x .453 (8.0 x 11.5)	.138 (3.5)	**EK**	.630 x .984 (16.0 x 25.0)	.295 (7.5)
CC	.394 x .492 (10.0 x 12.5)	.197 (5.0)	**EN**	.630 x 1.240 (16.0 x 31.5)	.295 (7.5)
CD	.394 x .630 (10.0 x 16.0)	.197 (5.0)	**FR**	.709 x 1.398 (18.0 x 35.5)	.295 (7.5)
CG	.394 x .787 (10.0 x 20.0)	.197 (5.0)			

5D MINIATURE - 85°C GENERAL PURPOSE TYPE

cifications:
- perating temperature: -40°C to +85°
- lerance: ±20%
- e validation test: 2000 hours @ +85°C

Features:
- 85°C Max. temperature
- High CV per case size
- Solvent resistant construction (through 100 WVDC)
- Low Profile Ratings

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Price Each 1	25	100	250
olt						
15D10V47	515D476M010JA6A	47	.12	.08	.06	.05
15D10V100	515D107M010JA6A	100	.13	.10	.07	.06
15D10V470	515D477M010BB6A	470	.24	.18	.13	.11
15D10V1000	515D108M010CD6A	1000	.38	.29	.21	.17
olt						
15D16V33	515D336M016JA6A	33	.12	.08	.06	.05
15D16V47	515D476M016JA6A	47	.13	.10	.07	.06
15D16V100	515D107M016AA6A	100	.15	.11	.08	.07
15D16V220	515D227M016BB6A	220	.17	.13	.09	.08
15D16V330	515D337M016BB6A	330	.24	.18	.13	.11
15D16V470	515D477M016CC6A	470	.30	.23	.17	.14
15D16V1000	515D108M016CG6A	1000	.50	.38	.28	.23
15D16V2200	515D228M016DK6A	2200	1.04	.78	.57	.47
olt						
15D25V10	515D106M025JA6A	10	.12	.08	.06	.05
15D25V22	515D226M025JA6A	22	.13	.10	.07	.06
15D25V33	515D336M025JA6A	33	.13	.10	.07	.06
15D25V47	515D476M025JA6A	47	.15	.11	.08	.07
15D25V100	515D107M025AA6A	100	.17	.13	.09	.08
15D25V220	515D227M025BB6A	220	.24	.18	.13	.11
15D25V330	515D337M025CC6A	330	.30	.23	.17	.14
15D25V470	515D477M025CD6A	470	.41	.31	.22	.18
15D25V1000	515D108M025DG6A	1000	.68	.51	.37	.31
15D25V2200	515D228M025EK6A	2200	1.45	1.09	.80	.65
olt						
15D35V10	515D106M035JA6A	10	.12	.08	.06	.05
15D35V22	515D226M035JA6A	22	.13	.10	.07	.06
15D35V33	515D336M035JA6A	33	.15	.11	.08	.07
15D35V47	515D476M035AA6A	47	.15	.11	.08	.07
15D35V100	515D107M035BB6A	100	.22	.16	.12	.10
15D35V220	515D227M035CC6A	220	.30	.23	.17	.14
15D35V330	515D337M035CD6A	330	.40	.30	.22	.18
15D35V470	515D477M035CG6A	470	.50	.38	.28	.23
15D35V1000	515D108M035DK6A	1000	1.04	.78	.57	.47
15D35V2200	515D228M035EN6A	2200	1.74	1.31	.96	.78
olt						
15D50V0.47	515D474M050JA6A	0.47	.12	.08	.06	.05
15D50V1.0	515D105M050JA6A	1	.12	.08	.06	.05
15D50V2.2	515D225M050JA6A	2.2	.12	.08	.06	.05
15D50V3.3	515D335M050JA6A	3.3	.12	.08	.06	.05
15D50V4.7	515D475M050JA6A	4.7	.12	.08	.06	.05
15D50V10	515D106M050JA6A	10	.13	.10	.07	.06
15D50V22	515D226M050JA6A	22	.15	.11	.08	.07
15D50V33	515D336M050AA6A	33	.17	.13	.09	.08
15D50V47	515D476M050AA6A	47	.17	.13	.09	.08
15D50V100	515D107M050BB6A	100	.30	.23	.17	.14
15D50V220	515D227M050CD6A	220	.45	.34	.25	.20
15D50V330	515D337M050CG6A	330	.52	.39	.29	.23
15D50V470	515D477M050DG6A	470	.76	.57	.42	.34
15D50V1000	515D108M050EK6A	1000	1.20	.90	.66	.54
15D50V2200	515D228M050FR6A	2200	2.62	1.97	1.44	1.18
/olt						
15D100V0.47	515D474M100JA6A	0.47	.12	.08	.06	.05
15D100V1.0	515D105M100JA6A	1	.12	.08	.06	.05
15D100V2.2	515D225M100JA6A	2.2	.12	.08	.06	.05
15D100V10	515D106M100AA6A	10	.17	.13	.09	.08
15D100V47	515D476M100CD6A	47	.33	.25	.18	.15
15D100V100	515D107M100DG6A	100	.60	.45	.33	.27
15D100V330	515D337M100EK6A	330	1.20	.90	.66	.54
15D100V470	515D477M100EN6A	470	1.70	1.28	.94	.77
/olt						
15D160V10	515D106M160CC6A	10	.40	.30	.22	.18
/olt						
15D250V1.0	515D105M250AA6A	1	.25	.19	.14	.11
15D250V10	515D106M250CG6A	10	.58	.44	.32	.26

517D MINIATURE 105°C RADIAL LEAD TYPE

Specifications:
- Operating temperature: -55°C to +105°C, ≤ 100VDC -40°C to +105°C ≥ 160VDC
- Tolerance: ±20%
- Rated lifetime: 2000 hours @ +105°C

Features:
- 105°C Max. temperature
- High CV per case size
- Solvent resistant construction (through 100 WVDC)
- High temperature operation

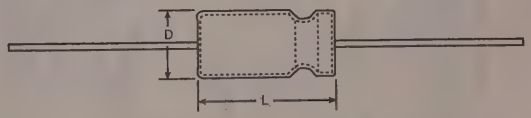
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Price Each 1	25	100	250
10 Volt						
75-517D10V100	517D107M010JA6A	100	.19	.14	.10	.09
16 Volt						
75-517D16V33	517D336M016JA6A	33	.15	.11	.08	.07
75-517D16V47	517D476MO16JA6A	47	.19	.14	.10	.09
75-517D16V100	517D107M016AA6A	100	.23	.17	.13	.10
75-517D16V220	517D227M016BB6A	220	.28	.21	.16	.13
75-517D16V330	517D337M016BB6A	330	.38	.28	.21	.17
75-517D16V470	517D477M016CC6A	470	.41	.31	.23	.19
75-517D16V1000	517D108M016CG6A	1000	.67	.50	.37	.30
75-517D16V2200	517D228M016DK6A	2200	1.14	.86	.63	.52
25 Volt						
75-517D25V22	517D226M025JA6A	22	.19	.14	.10	.09
75-517D25V33	517D336M025JA6A	33	.19	.14	.10	.09
75-517D25V47	517D476M025JA6A	47	.22	.17	.12	.10
75-517D25V100	517D107M025AA6A	100	.27	.20	.15	.12
75-517D25V220	517D227M025BB6A	220	.38	.28	.21	.17
75-517D25V330	517D337M025CC6A	330	.48	.36	.27	.22
75-517D25V470	517D477M025CD6A	470	.65	.49	.36	.29
75-517D25V1000	517D108M025DG6A	1000	.75	.56	.41	.34
75-517D25V2200	517D228M025EK6A	2200	1.60	1.20	.88	.72
35 Volt						
75-517D35V4.7	517D475M035JA6A	4.7	.15	.11	.08	.07
75-517D35V1000	517D108M035DK6A	1000	1.14	.86	.63	.52
50 Volt						
75-517D50V1	517D105M050JA6A	1	.15	.11	.08	.07
75-517D50V2.2	517D225M050JA6A	2.2	.15	.11	.08	.07
75-517D50V3.3	517D335M050JA6A	3.3	.15	.11	.08	.07
75-517D50V4.7	517D475M050JA6A	4.7	.15	.11	.08	.07
75-517D50V10	517D106M050JA6A	10	.19	.14	.10	.09
75-517D50V22	517D226M050JA6A	22	.22	.17	.12	.10
75-517D50V33	517D336M050AA6A	33	.25	.19	.14	.11
75-517D50V47	517D476M050AA6A	47	.27	.20	.15	.12
75-517D50V100	517D107M050BB6A	100	.40	.30	.22	.18
75-517D50V220	517D227M050CD6A	220	.59	.44	.33	.27
75-517D50V330	517D337M050CG6A	330	.73	.55	.40	.33
75-517D50V470	517D477M050DG6A	470	.83	.62	.46	.37
75-517D50V1000	517D108M050EK6A	1000	1.32	.99	.72	.59
75-517D50V2200	517D228M050FR6A	2200	2.88	2.16	1.59	1.30
100 Volt						
75-517D100V1	517D105M100JA6A	1	.15	.11	.08	.07
75-517D100V3.3	517D335M100JA6A	3.3	.19	.14	.10	.09
75-517D100V4.7	517D475M100JA6A	4.7	.19	.14	.10	.09
75-517D100V10	517D106M100AA6A	10	.25	.19	.14	.11
75-517D100V22	517D226M100BB6A	22	.28	.21	.16	.13
75-517D100V33	517D336M100CC6A	33	.38	.28	.21	.17
75-517D100V47	517D476M100CD6A	47	.42	.32	.23	.19
75-517D100V100	517D107M100DG6A	100	.66	.49	.36	.30
75-517D100V220	517D227M100EK6A	220	1.19	.89	.65	.54
75-517D100V330	517D337M100EK6A	330	1.32	.99	.72	.59
75-517D100V470	517D477M100EN6A	470	1.88	1.41	1.03	.84
160 Volt						
75-517D160V1	517D105M160AA6A	1	.23	.17	.13	.10
75-517D160V2.2	517D225M160AA6A	2.2	.28	.21	.16	.13
75-517D160V10	517D106M160CC6A	10	.44	.33	.24	.20
75-517D160V47	517D476M160DK6A	47	.94	.70	.52	.42
75-517D160V100	517D107M160EK6A	100	1.46	1.10	.81	.66
250 Volt						
75-517D250V1	517D105M250AA6A	1	.28	.21	.15	.12
75-517D250V2.2	517D225M250BB6A	2.2	.35	.26	.19	.16
75-517D250V4.7	517D475M250CC6A	4.7	.44	.33	.24	.20
75-517D250V10	517D106M250CG6A	10	.64	.48	.35	.29
75-517D250V22	517D226M250DK6A	22	.82	.62	.45	.37
75-517D250V33	517D336M250DK6A	33	.94	.70	.52	.42
75-517D250V47	517D476M250EK6A	47	1.46	1.10	.81	.66
75-517D250V100	517D107M250FR6A	100	2.96	2.22	1.63	1.33

TYPE TVA ATOM® 85°C ALUMINUM MINIATURE AXIAL LEAD

Specifications:
- Operating temperature:
  -40°C to +85°C (≤100VDC)
  -20°C to +85°C (150VDC-450VDC)
  -20°C to +65°C (≥ 500VDC)
- Capacitance tolerance: ±20%

Features:
- 85°C maximum temperature
- Low leakage current.
- Ideal for application in TV sets, auto radios, radio-phone combinations, and electronic testing equipment



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Volt	Value	Case Size	Price Each			
Mfr. Mfr. Part No.	(DC)	(μF)	D x L (In.)	1	25	50	100
75—TVA1160	16	100	.312 x .687	1.06	.94	.85	.80
75—TVA1161	16	250	.375 x .812	1.15	1.02	.92	.87
75—TVA1162	16	500	.375 x .937	1.22	1.08	.97	.92
75—TVA1163	16	1000	.375 x 1.5	1.37	1.22	1.10	1.04
75—TVA1204	25	10	.25 x .5	1.04	.92	.83	.78
75—TVA1204.5	25	20	.25 x .5	1.04	.92	.83	.78
75—TVA1205	25	25	.25 x .5	1.04	.92	.83	.78
75—TVA1206	25	50	.25 x .687	1.04	.92	.83	.78
75—TVA1207	25	100	.312 x .812	1.06	.94	.85	.80
75—TVA1207.5	25	150	.375 x .812	1.15	1.02	.92	.87
75—TVA1208	25	250	.375 x .937	1.22	1.08	.97	.92
75—TVA1208.5	25	300	.375 x .937	1.22	1.08	.97	.92
75—TVA1209	25	500	.485 x 1.25	1.58	1.40	1.26	1.19
75—TVA1211	25	1000	.485 x 1.5	1.82	1.62	1.46	1.38
75—TVA1213	25	2000	.625 x 1.75	2.50	2.22	2.00	1.89
75—TVA1300	50	1	.25 x .5	1.04	.92	.83	.78
75—TVA1301	50	2	.25 x .5	1.04	.92	.83	.78
75—TVA1303	50	5	.25 x .5	1.04	.92	.83	.78
75—TVA1304	50	10	.25 x .50	1.04	.92	.83	.78
75—TVA1305	50	15	.25 x .687	1.04	.92	.83	.78
75—TVA1305.5	50	20	.25 x .687	1.04	.92	.83	.78
75—TVA1306	50	25	.25 x .687	1.04	.92	.83	.78
75—TVA1308	50	50	.312 x .812	1.06	.94	.85	.80
75—TVA1310	50	100	.375 x .812	1.15	1.02	.92	.87
75—TVA1311	50	150	.375 x .937	1.22	1.08	.97	.92
75—TVA1311.5	50	200	.375 x 1.25	1.28	1.14	1.03	.97
75—TVA1312	50	250	.375 x 1.5	1.37	1.22	1.10	1.04
75—TVA1312.1	50	300	.438 x 1.25	1.58	1.40	1.26	1.19
75—TVA1315	50	500	.485 x 1.5	1.82	1.62	1.46	1.38
75—TVA1316	50	1000	.625 x 1.75	2.50	2.22	2.00	1.89
75—TVA1318	50	1500	.875 x 2.125	5.67	4.66	4.16	3.78
75—TVA1318.3	50	2500	1.125 x 2.625	6.75	5.55	4.95	4.50
75—TVA1346	100	100	.438 x 1.5	1.71	1.52	1.37	1.29
75—TVA1376	100	500	1.375 x 3.125	4.16	3.70	3.33	3.15
75—TVA1400	150	1	.25 x .5	1.04	.92	.83	.78
75—TVA1402	150	4	.312 x .812	1.06	.94	.85	.80
75—TVA1403	150	5	.312 x .812	1.06	.94	.85	.80
75—TVA1405	150	8	.375 x .812	1.15	1.02	.92	.87
75—TVA1406	150	10	.375 x .812	1.15	1.02	.92	.87
75—TVA1409	150	16	.375 x .937	1.22	1.08	.97	.92
75—TVA1410	150	20	.375 x 1.25	1.28	1.14	1.03	.97
75—TVA1411	150	25	.375 x 1.25	1.28	1.14	1.03	.97
75—TVA1412	150	30	.438 x 1.25	1.58	1.40	1.26	1.19
75—TVA1413	150	40	.438 x 1.5	1.71	1.52	1.37	1.29
75—TVA1414	150	50	.438 x 1.5	1.71	1.52	1.37	1.29
75—TVA1415	150	60	.625 x 1.5	2.27	2.02	1.82	1.72
75—TVA1418	150	80	.625 x 1.75	2.50	2.22	2.00	1.89
75—TVA1420	150	100	.625 x 1.75	2.50	2.22	2.00	1.89
75—TVA1423	150	200	1.0 x 2.125	6.35	5.22	4.65	4.23
75—TVA1501	250	4	.375 x .812	1.15	1.02	.92	.87
75—TVA1504	250	10	.375 x 1.125	1.28	1.14	1.03	.97
75—TVA1508	250	20	.438 x 1.5	1.71	1.52	1.37	1.29
75—TVA1510	250	30	.625 x 1.5	2.27	2.02	1.82	1.72
75—TVA1511	250	40	.625 x 1.75	2.50	2.22	2.00	1.89
75—TVA1512	250	50	.875 x 1.375	5.63	4.63	4.13	3.75
75—TVA1522	250	100	1.0 x 1.875	6.32	5.20	4.64	4.22
75—TVA1601	350	4	.375 x 1.25	1.28	1.14	1.03	.97
75—TVA1607	350	15	.485 x 1.75	2.05	1.82	1.64	1.55
75—TVA1608	350	20	.625 x 1.75	2.50	2.22	2.00	1.89
75—TVA1613	350	60	.875 x 2.125	5.74	4.72	4.21	3.83
75—TVA1620	350	100	1.0 x 2.625	6.19	5.09	4.54	4.13
75—TVA1700	450	1	.375 x .812	1.15	1.02	.92	.87
75—TVA1701	450	2	.375 x 1.25	1.28	1.14	1.03	.97
75—TVA1702	450	4	.438 x 1.5	1.71	1.52	1.37	1.29
75—TVA1704	450	8	.485 x 1.75	2.05	1.82	1.64	1.55
75—TVA1709	450	20	.875 x 1.625	5.42	4.46	3.98	3.62
75—TVA1711	450	30	.875 x 1.875	6.12	5.03	4.49	4.08
75—TVA1712	450	40	.875 x 2.125	5.90	4.85	4.32	3.93
75—TVA1716	450	80	1.0 x 2.625	6.59	5.42	4.83	4.40
75—TVA1718	450	100	1.25 x 3.125	9.18	7.55	6.73	6.12
75—TVA1803.1	475	16	.875 x 1.625	5.42	4.46	3.98	3.62
75—TVA1906	500	20	875 x 2.125	5.74	4.72	4.21	3.83
75—TVA1907	500	30	1.0 x 1.625	6.03	4.96	4.42	4.02
75—TVA1908	500	40	1.0 x 2.375	6.50	5.35	4.77	4.34
75—TVA1963	600	10	1.0 x 2.875	11.63	9.56	8.53	7.76
75—TVA1966	600	20	1.0 x 3.875	10.53	8.66	7.72	7.02

TYPE TE LITTL-LYTIC® 105°C ALUMINUM CAPACITORS

Specifications:
- Operating temperature: -40°C to +105°C
- Capacitance tolerance:
  +75%, -10% (≤ 50VDC)
  +50, -10% (≥ 100VDC)

Features:
- 105°C maximum temperature
- Welded terminal connectors
- Metal-encased with clear plastic outer insulating sleeve
- Ideal for use as coupling capacitors. Minimum drain and l battery life when used in battery bypass applications

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	Volt	Value	Case Size	Price Each			
Mfr. Mfr. Part No.	(DC)	(μF)	D x L (In.)	1	50	100	5
75—TE1135	12	100	.322 x .848	1.65	1.41	1.18	1.
75—TE1155	16	10	.26 x .536	1.61	1.38	1.15	1.
75—TE1160	16	50	.322 x .723	1.65	1.41	1.18	1.
75—TE1162	16	100	.385 x .848	1.79	1.53	1.28	1.
75—TE1164	16	200	.385 x 1.286	2.00	1.71	1.43	1.
75—TE1164.5	16	250	.385 x 1.286	2.00	1.71	1.43	1.
75—TE1166	16	350	.385 x 1.536	2.14	1.83	1.53	1.
75—TE1202	25	5	.26 x .536	1.61	1.38	1.15	1.
75—TE1204	25	10	.26 x .723	1.61	1.38	1.15	1.
75—TE1205	25	15	.26 x .723	1.61	1.38	1.15	1.
75—TE1206	25	20	.322 x .723	1.65	1.41	1.18	1.
75—TE1207	25	25	.322 x .723	1.65	1.41	1.18	1.
75—TE1209	25	50	.322 x .848	1.73	1.48	1.23	1.
75—TE1210	25	75	.385 x .848	1.79	1.53	1.28	1.
75—TE1211	25	100	.385 x .973	1.89	1.62	1.35	1.
75—TE1212	25	150	.385 x 1.286	2.00	1.71	1.43	1.
75—TE1213	25	200	.385 x 1.536	2.14	1.83	1.53	1.
75—TE1300	50	1	.26 x .536	1.61	1.38	1.15	1.
75—TE1301	50	2	.26 x .536	1.61	1.38	1.15	1.
75—TE1302	50	3	.26 x .536	1.61	1.38	1.15	1.
75—TE1302.1	50	4	.26 x .536	1.61	1.38	1.15	1.
75—TE1303	50	5	.26 x .723	1.61	1.38	1.15	1.
75—TE1303.3	50	8	.26 x .723	1.61	1.38	1.15	1.
75—TE1304	50	10	.322 x .723	1.65	1.41	1.18	1.
75—TE1304.2	50	15	.322 x .723	1.65	1.41	1.18	1.
75—TE1305	50	20	.322 x .848	1.65	1.41	1.18	1.
75—TE1305.5	50	25	.322 x .848	1.65	1.41	1.18	1.
75—TE1306	50	35	.385 x .848	1.79	1.53	1.28	1.
75—TE1307	50	50	.385 x .973	1.89	1.62	1.35	1.
75—TE1308	50	75	.385 x 1.286	2.00	1.71	1.43	1.
75—TE1309	50	100	.385 x 1.536	2.14	1.83	1.53	1.
75—TE1401	100	2	.26 x .723	1.61	1.38	1.15	1.
75—TE1407	100	10	.385 x .848	1.79	1.53	1.28	1.
75—TE1408	100	15	.385 x .973	1.89	1.62	1.35	1.
75—TE1410	100	25	.385 x 1.536	2.14	1.83	1.53	1.
75—TE1411	100	30	.385 x 1.536	2.14	1.83	1.53	1.
75—TE1500	150	1	.26 x .536	1.61	1.38	1.15	1.
75—TE1504	150	5	.322 x .848	1.65	1.41	1.18	1.
75—TE1506	150	8	.385 x .848	1.79	1.53	1.28	1.
75—TE1507	150	10	.385 x .973	1.89	1.62	1.35	1.
75—TE1508.1	150	15	.385 x 1.286	2.00	1.71	1.43	1.

TYPE 516D AXIAL LEAD ALUMINUM CAPACITORS

Specifications:
- Operating Temperature: -40°C to +85°C
- High CV per case size
- Capacitance tolerance: ±20%

Features:
- 85°C maximum temperature
- High CV per case size
- Solvent resistant construction

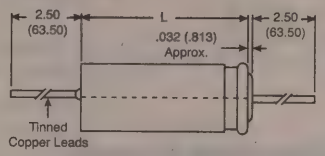
For quantities of 1000 and up, call for

MOUSER STOCK NO.	Volt	Value	Case Size	Price Each		
Mfr. Mfr. Part No.	(DC)	(μF)	D x L (In.)	1	50	100
75—516D227M016MM6A	16	220	.315 x .63	.28	.24	.20
75—516D477M016MN6A	16	470	.315 x .787	.37	.32	.26
75—516D476M025LL6A	25	47	.248 x .472	.23	.20	.17
75—516D107M025LM6A	25	100	.248 x .472	.28	.24	.20
75—516D227M025MM6A	25	220	.315 x .63	.32	.28	.23
75—516D337M025MN6A	25	330	.315 x .787	.37	.32	.27
75—516D477M025NR6A	25	470	.394 x .984	.53	.46	.38
75—516D108M025PR6A	25	1000	.512 x 1.023	.83	.71	.59
75—516D226M035JL6A	35	22	.197 x .472	.23	.20	.17
75—516D476M035LM6A	35	47	.248 x .472	.24	.21	.18
75—516D107M035MM6A	35	100	.315 x .63	.28	.24	.20
75—516D227M035MN6A	35	220	.315 x .787	.37	.32	.27
75—516D337M035NP6A	35	330	.394 x .827	.45	.39	.32
75—516D108M035PS6A	35	1000	.512 x 1.24	.96	.82	.68
75—516D105M050JL6A	50	1	.197 x .472	.19	.17	.14
75—516D106M050JL6A	50	10	.197 x .472	.23	.20	.17
75—516D107M050MM6A	50	100	.315 x .63	.37	.32	.26
75—516D227M050NP6A	50	220	.394 x .827	.45	.39	.32
75—516D477M050PR6A	50	470	.512 x 1.023	.83	.71	.59
75—516D108M050QS6A	50	1000	.63 x 1.24	1.53	1.31	1.09
75—516D475M063JL6A	63	4.7	.197 x .472	.19	.17	.14
75—516D106M063JL6A	63	10	.197 x .472	.23	.20	.17
75—516D226M063LL6A	63	22	.248 x .472	.24	.21	.17
75—516D476M063MM6A	63	47	.315 x .63	.28	.24	.20
75—516D107M063MN6A	63	100	.315 x .787	.37	.32	.27

TYPE 39D POWERLYTIC® 85°C, ALUMINUM ELECTROLYTIC CAPACITORS

formance Characteristics:
perating Temperature: -20°C to +85°C
apacitance Tolerance: 10 WVDC to 75 WVDC, +75%, -10%;
100 WVDC to 450 WVDC, +50%, -10%
issipation Factor: 10 WVDC and 15 WVDC capacitors, 150%;
25 WVDC and 30 WVDC capacitors, 60%;
40 WVDC and 50 WVDC capacitors, 45%;
75 WVDC and 100 WVDC capacitors, 30%;
150 WVDC to 450 WVDC capacitors, 18%.

Features:
- Designed for applications requiring greatest possible capacitance in small physical case sizes.
- Supplement original Type 36D can-type capacitors, offering lower capacitance values in smaller sizes with axial leads.
- Welds at all critical anode and cathode terminals eliminate riveted or pressure connections to assure freedom from open circuit even when operated in the microvolt or millivolt signal range.
- Pressure-sensitive safety vent.
- Service life of 10 years or more in normal circuit applications.
- Capacitors have an outer plastic-film insulation.



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Case Size D x L (IN)	Price Each 1	25	50
WVDC @ +85°C, Surge = 12V						
39D108G010FJ6	39D108G010FJ6	1000	.635 x 1.641	9.24	6.93	5.78
WVDC @ +85°C, Surge = 18V						
39D808G015JT6	39D808G015JT6	8000	1.01 x 3.641	10.36	7.77	6.48
WVDC @ +85°C, Surge = 30V						
39D478G025JT6	39D478G025JT6	4700	1.01 x 3.641	12.56	9.42	7.85
WVDC @ +85°C, Surge = 40V						
39D507G030FL6	39D507G030FL6	500	.635 x 2.141	5.32	3.99	3.33
39D118G030GP6	39D118G030GP6	1100	.760 x 2.641	5.76	4.32	3.60
39D308G030JS6	39D308G030JS6	3000	1.01 x 3.141	7.32	5.49	4.58
WVDC @ +85°C, Surge = 50V						
39D158G040HP6	39D158G040HP6	1500	.885 x 2.641	6.88	5.16	4.30
WVDC @ +85°C, Surge = 65V						
39D157G050EL6	39D157G050EL6	150	.510 x 2.141	6.52	4.89	4.08
39D207G050FJ6	39D207G050FJ6	200	.635 x 1.641	9.20	6.90	5.75
39D257G050HE6	39D257G050HE6	250	.885 x 1.141	10.28	7.71	6.43

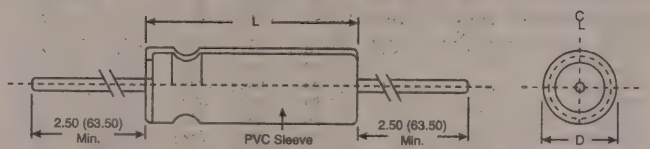
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Case Size D x L (IN)	Price Each 1	25	50
50WVDC @ +85°C, Surge = 65V (cont.)						
75-39D507G050GL6	39D507G050GL6	500	.760 x 2.141	5.60	4.20	3.50
75-39D118G050HP6	39D118G050HP6	1100	.885 x 2.641	10.96	8.22	6.85
75-39D238G050JT6	39D238G050JT6	2300	1.01 x 3.641	12.40	9.30	7.75
75WVDC @ +85°C, Surge = 95V						
75-39D157G075FJ6	39D157G075FJ6	150	.635 x 1.641	4.92	3.69	3.08
75-39D108G075JP6	39D108G075JP6	1000	1.01 x 2.641	13.28	11.62	10.33
150WVDC @ +85°C, Surge = 175V						
75-39D127F150GL6	39D127F150GL6	120	.760 x 2.141	6.20	4.65	3.88
250WVDC @ +85°C, Surge = 300V						
75-39D506F250JE6	39D506F250JE6	50	1.01 x 1.141	7.84	5.88	4.90
350WVDC @ +85°C, Surge = 400V						
75-39D606F350HL6	39D606F350HL6	60	.885 x 1.641	11.64	8.73	7.28
450WVDC @ +85°C, Surge = 525V						
75-39D505F450EL6	39D505F450EL6	5	.510 x 2.141	9.76	7.43	6.54

TYPE 53D 85°C, TUBULAR GENERAL PURPOSE ALUMINUM CAPACITORS

formance Characteristics:
perating Temperature: -40°C to +85°C
apacitance Tolerance: -10%, +50%; -10%, +75%

- Life Validation Test: 1000 hours at +85°C:
  Δ CAP ≤ 15% from initial measurement
  Δ ESR ≤ 1.3 x initial specified limit
  Δ DCL ≤ initial specified limit



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Case Size D x L (IN)	Price Each 1	25	50
WVDC @ +85°C, Surge = 18V						
53D16V3300	53D332G016GE6	3300	.76 x 1.141	5.15	4.24	3.78
53D16V6900	53D692G016HJ6	6900	.885 x 1.641	4.76	3.46	2.77
53D16V10000	53D103G016HL6	10000	.885 x 1.641	6.08	5.00	4.46
WVDC @ +85°C, Surge = 35V						
53D25V2800	53D282G025GJ6	2800	.76 x 1.641	3.91	2.84	2.27
53D25V4300	53D432G025HJ6	4300	.885 x 1.641	5.83	4.79	4.27
53D25V6200	53D622G025HL6	6200	.885 x 2.141	6.08	5.00	4.46
53D25V11000	53D113G025JP6	11000	1.01 x 2.641	6.84	5.62	5.02
VDC @ +85°C, Surge = 45V						
53D35V1100	53D112G035GE6	1100	.76 x 1.141	5.20	4.27	3.81
53D35V2100	53D212G035GJ6	2100	.76 x 1.641	5.36	4.40	3.93
53D35V3200	53D322G035HJ6	3200	.885 x 1.641	5.83	4.79	4.27
53D35V4700	53D472G035HL6	4700	.885 x 2.141	6.03	4.96	4.42
53D35V8300	53D832G035JP6	8300	1.01 x 2.641	6.86	5.64	5.03
VDC @ +85°C, Surge = 70V						
53D50V1000	53D102G050GE6	1000	.76 x 1.141	5.47	4.50	4.01
53D50V1300	53D132G050GJ6	1300	.76 x 1.641	5.36	4.40	3.93
53D50V1900	53D192G050HJ6	1900	.885 x 1.641	5.65	4.64	4.14
53D50V2800	53D282G050HL6	2800	.885 x 2.141	5.96	4.90	4.37

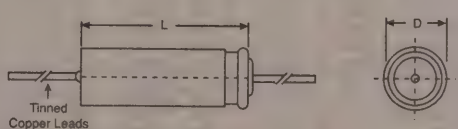
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Case Size D x L (IN)	Price Each 1	25	50
50WVDC @ +85°C, Surge = 70V (cont.)						
75-53D50V3800	53D382G050JL6	3800	1.01 x 2.141	5.64	4.10	3.28
75-53D50V5000	53D502G050JP6	5000	1.01 x 2.641	6.80	5.59	4.98
75-53D50V6800	53D682G050JP6	6800	1.01 x 2.641	6.71	4.88	3.90
63WVDC @ +85°C, Surge = 80V						
75-53D63V1000	53D102G063GJ6	1000	.76 x 1.641	5.38	4.42	3.94
75-53D63V1500	53D152G063HJ7	1500	.885 x 1.641	5.78	4.20	3.36
75-53D63V2200	53D222G063HL6	2200	.885 x 2.141	6.08	5.00	4.46
200WVDC @ +85°C, Surge = 250V						
75-53D200V350	53D351F200JL6	350	1.01 x 2.141	6.53	5.37	4.79
75-53D200V460	53D461F200JP6	460	1.01 x 2.641	6.82	5.61	5.00
250WVDC @ +85°C, Surge = 300V						
75-53D250V56	53D560F250GE6	56	.76 x 1.141	3.91	2.84	2.27
75-53D250V100	53D101F250GJ6	100	.76 x 1.641	5.49	4.51	4.03
75-53D250V130	53D131F250HJ6	130	.885 x 1.641	5.51	4.53	4.04
400WVDC @ +85°C, Surge = 450V						
75-53D400V100	53D101F400JL6	100	1.01 x 2.141	7.45	6.12	5.46
75-53D400V140	53D141F400JS6	140	1.01 x 3.141	6.88	5.00	4.00
75-53D400V150	53D151F400JS6	150	1.01 x 3.141	8.48	6.97	6.22

TYPE 500D 85°C, MINIATURE GENERAL PURPOSE ALUMINUM CAPACITORS

ormance Characteristics:
rating Temperature: -40°C to +85°C (3 WVDC to 250 WVDC);
-20°C to +85°C (251 WVDC to 400 WVDC)
acitance Tolerance: ±20%

- Life Validation Test: 2000 hours at +85°C:
  Δ CAP ≤ 20% from initial measurement
  Δ ESR ≤ 1.5 x initial specified limit
  Δ DCL ≤ initial specified limit



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Case Size D x L (IN)	Price Each 1	50	100
VDC @ +85°C, Surge = 20V						
00D107M016CB2	500D107M016CB2	100	.315 x .689	1.65	1.18	.94
00D157M016CB2A	500D157M016CB2A	150	.315 x .689	1.65	1.18	.94
00D227M016CC2A	500D227M016CC2A	220	.315 x .807	1.65	1.18	.94
00D108M016DH2	500D108M016DH2	1000	.374 x 1.496	2.14	1.53	1.22
00D158M016EH2	500D158M016EH2	1500	.433 x 1.496	2.66	1.90	1.52
VDC @ +85°C, Surge = 35V						
00D107M025CC2A	500D107M025CC2A	100	.315 x .807	1.65	1.18	.94
00D227M025DC2A	500D227M025DC2A	220	.374 x .807	1.79	1.28	1.02
00D108M025FH2	500D108M025FH2	1000	.492 x 1.496	2.84	2.03	1.62
VDC @ +85°C, Surge = 40V						
00D156M035BA2	500D156M035BA2	15	.248 x .512	1.61	1.15	.92
00D476M035CB2	500D476M035CB2	47	.315 x .689	1.65	1.18	.94

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Case Size D x L (IN)	Price Each 1	50	100
50WVDC @ +85°C, Surge = 65V						
75-500D106M050BA2A	500D106M050BA2A	10	.248 x .512	1.61	1.15	.92
75-500D107M050DC2A	500D107M050DC2A	100	.374 x .807	1.79	1.28	1.02
75-500D157M050DD2A	500D157M050DD2A	150	.374 x .945	1.89	1.35	1.08
75-500D337M050EF2A	500D337M050EF2A	330	.433 x 1.260	2.45	1.75	1.40
75-500D477M050FH2A	500D477M050FH2A	470	.492 x 1.496	2.84	2.03	1.62
75-500D687M050GH2	500D687M050GH2	680	.630 x 1.496	3.54	2.53	2.02
63WVDC @ +85°C, Surge = 75V						
75-500D476M063CC2A	500D476M063CC2A	47	.315 x .807	1.65	1.18	.94
400WVDC @ +85°C, Surge = 450V						
75-500D106M400FK2	500D106M400FK2	10	.492 x 1.752	3.19	2.28	1.82

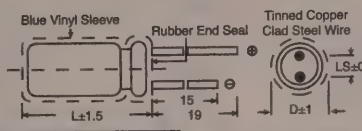
XICON 85°C Radial Aluminum Electrolytic Capacitors

85°C RADIAL ALUMINUM ELECTROLYTIC CAPACITORS

Specifications:

- Operating temperature range:
  10V to 250V: -40°C to +85°C
  350V to 450V: -25°C to +85°C
- Tolerance: ±20%

DIMENSIONS (mm)



5mm - 13mm diameter available packaged in Tape and Box. To order Tape and Box, add - TB to Mouser Stock No.

Dia	L/S	Dia	L/S
4	1.5	16	7.5
5	2.0	18	7.5
6.3	2.5	22	10
8	3.5	25	12.5
10	5.0		
13	5.0	Tape	5.0

Application Note:
A higher voltage capacitor may be used in a lower voltage application.

∗ Standard lead space for tape and box package is 5.0mm

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each 1	100	500	Tape and Box Min. Qty *	Price per Piece
10 Volt							
140-XRL10V10	10	5 x 11	.06	.042	.032	2000	.024
140-XRL10V22	22	5 x 11	.06	.042	.032	2000	.024
140-XRL10V47	47	5 x 11	.06	.042	.032	2000	.024
140-XRL10V100	100	5 x 11	.06	.047	.04	2000	.024
140-XRL10V220	220	6.3 x 11	.08	.054	.046	2000	.034
140-XRL10V330	330	8 x 11	.11	.08	.067	1000	.062
140-XRL10V470	470	8 x 11	.12	.088	.071	1000	.062
140-XRL10V1000	1000	10 x 13	.18	.12	.096	500	.096
140-XRL10V2200	2200	13 x 20	.37	.28	.20	300	.28
140-XRL10V3300	3300	13 x 20	.42	.32	.27	300	.32
140-XRL10V4700	4700	16 x 25	.66	.53	.44	---	---
140-XRL10V6800	6800	16 x 25	.85	.66	.58	---	---
140-XRL10V10000	10000	18 x 36	1.32	1.03	.89	---	---
16 Volt							
140-XRL16V2.2	2.2	5 x 11	.06	.042	.032	2000	.024
140-XRL16V3.3	3.3	5 x 11	.06	.042	.032	2000	.024
140-XRL16V4.7	4.7	5 x 11	.06	.042	.032	2000	.024
140-XRL16V10	10	5 x 11	.06	.042	.032	2000	.024
140-XRL16V22	22	5 x 11	.06	.042	.032	2000	.024
140-XRL16V33	33	5 x 11	.06	.042	.032	2000	.024
140-XRL16V47	47	5 x 11	.06	.042	.032	2000	.024
140-XRL16V100	100	6.3 x 11	.08	.059	.05	2000	.036
140-XRL16V220	220	8 x 11	.11	.08	.067	1000	.062
140-XRL16V330	330	8 x 11	.11	.08	.067	1000	.062
140-XRL16V470	470	10 x 13	.19	.12	.096	500	.096
140-XRL16V680	680	10 x 16	.23	.16	.13	500	.13
140-XRL16V1000	1000	10 x 16	.23	.16	.13	500	.13
140-XRL16V1500	1500	13 x 20	.37	.28	.20	300	.28
140-XRL16V2200	2200	13 x 20	.42	.32	.27	300	.32
140-XRL16V3300	3300	16 x 25	.67	.53	.44	---	---
140-XRL16V4700	4700	16 x 25	.83	.64	.54	---	---
140-XRL16V6800	6800	16 x 32	1.39	1.08	.92	---	---
140-XRL16V10000	10000	18 x 36	1.69	1.32	1.13	---	---
25 Volt							
140-XRL25V0.47	.47	5 x 11	.06	.042	.032	2000	.024
140-XRL25V1.0	1.0	5 x 11	.06	.042	.032	2000	.024
140-XRL25V2.2	2.2	5 x 11	.06	.042	.032	2000	.024
140-XRL25V4.7	4.7	5 x 11	.06	.042	.032	2000	.024
140-XRL25V10	10	5 x 11	.06	.042	.032	2000	.024
140-XRL25V22	22	5 x 11	.06	.042	.032	2000	.024
140-XRL25V33	33	5 x 11	.06	.042	.032	2000	.024
140-XRL25V47	47	5 x 11	.06	.042	.032	2000	.024
140-XRL25V100	100	6.3 x 11	.09	.056	.042	2000	.032
140-XRL25V220	220	8 x 11	.12	.088	.072	1000	.065
140-XRL25V330	330	10 x 16	.17	.12	.096	500	.096
140-XRL25V470	470	10 x 12	.17	.13	.12	500	.12
140-XRL25V1000	1000	13 x 20	.34	.27	.19	300	.27
140-XRL25V2200	2200	16 x 27	.67	.53	.44	---	---
140-XRL25V3300	3300	16 x 32	1.01	.78	.67	---	---
140-XRL25V4700	4700	18 x 31	1.26	.95	.79	---	---
140-XRL25V6800	6800	22 x 41	1.69	1.32	1.13	---	---
140-XRL25V10000	10000	25 x 40	3.17	2.46	2.11	---	---
35 Volt							
140-XRL35V4.7	4.7	5 x 11	.06	.042	.032	2000	.024
140-XRL35V10	10	5 x 11	.06	.042	.032	2000	.024
140-XRL35V22	22	5 x 11	.06	.042	.032	2000	.024
140-XRL35V33	33	6.3 x 11	.07	.046	.032	2000	.025
140-XRL35V47	47	6.3 x 11	.08	.059	.05	2000	.036
140-XRL35V100	100	8 x 11	.11	.08	.067	1000	.062
140-XRL35V220	220	10 x 12	.16	.12	.096	500	.096
140-XRL35V330	330	10 x 22	.18	.13	.12	500	.12
140-XRL35V470	470	10 x 16	.25	.19	.17	500	.17
140-XRL35V680	680	13 x 20	.46	.35	.30	300	.35
140-XRL35V1000	1000	13 x 20	.50	.37	.31	300	.37
140-XRL35V2200	2200	16 x 32	.83	.66	.58	---	---
140-XRL35V3300	3300	18 x 36	1.26	.95	.80	---	---
140-XRL35V4700	4700	18 x 36	1.69	1.43	1.30	---	---
140-XRL35V6800	6800	22 x 41	3.17	2.46	2.11	---	---
50 Volt							
140-XRL50V0.22	.22	5 x 11	.06	.042	.032	2000	.024
140-XRL50V.47	.47	5 x 11	.06	.042	.032	2000	.024
140-XRL50V1.0	1.0	5 x 11	.06	.042	.032	2000	.024
140-XRL50V2.2	2.2	5 x 11	.06	.042	.032	2000	.024

To order Tape and Box, add - TB to Mouser Stock No.

∗Standard lead space for tape and box package is 5.0mm

∗∗Buy Tape and Box package in multiples of Minimum Quantity

For quantities 2000 and up, call for qu

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each 1	100	500	Tape and Box * Min. ** Qty	Price pe Piece
50 Volt							
140-XRL50V3.3	3.3	5 x 11	.06	.042	.032	2000	.024
140-XRL50V4.7	4.7	5 x 11	.06	.042	.032	2000	.024
140-XRL50V10	10	5 x 11	.06	.042	.032	2000	.024
140-XRL50V15	15	5 x 11	.06	.046	.038	2000	.024
140-XRL50V22	22	5 x 11	.06	.046	.038	2000	.024
140-XRL50V33	33	6.3 x 11	.08	.066	.056	2000	.034
140-XRL50V47	47	8 x 11	.08	.066	.056	2000	.034
140-XRL50V100	100	8 x 11	.11	.08	.067	1000	.062
140-XRL50V220	220	10 x 16	.21	.16	.13	500	.13
140-XRL50V330	330	13 x 20	.28	.22	.19	300	.22
140-XRL50V470	470	13 x 20	.44	.35	.30	300	.35
140-XRL50V1000	1000	16 x 25	.70	.54	.46	---	---
140-XRL50V2200	2200	16 x 36	1.18	.89	.66	---	---
140-XRL50V3300	3300	22 x 40	2.72	2.11	1.81	---	---
140-XRL50V4700	4700	25 x 40	3.17	2.46	2.11	---	---
63 Volt							
140-XRL63V1.0	1.0	5 x 11	.06	.042	.032	2000	.024
140-XRL63V2.2	2.2	5 x 11	.06	.042	.032	2000	.024
140-XRL63V4.7	4.7	5 x 11	.06	.042	.032	2000	.024
140-XRL63V6.8	6.8	5 x 11	.06	.042	.032	2000	.024
140-XRL63V10	10	5 x 11	.07	.05	.04	2000	.029
140-XRL63V22	22	6.3 x 11	.08	.058	.044	2000	.034
140-XRL63V33	33	8 x 11	.08	.066	.056	1000	.034
140-XRL63V47	47	8 x 11	.11	.08	.067	1000	.062
140-XRL63V68	68	10 x 12	.14	.12	.10	500	.10
140-XRL63V100	100	10 x 12	.14	.12	.10	500	.10
140-XRL63V220	220	10 x 16	.29	.23	.19	500	.19
140-XRL63V470	470	16 x 27	.54	.42	.36	---	---
140-XRL63V1000	1000	16 x 25	.97	.76	.65	---	---
140-XRL63V2200	2200	22 x 40	1.70	1.32	1.14	---	---
100 Volt							
140-XRL100V0.1	.1	5 x 11	.06	.047	.04	2000	.024
140-XRL100V0.47	.47	5 x 11	.06	.047	.04	2000	.024
140-XRL100V1.0	1.0	5 x 11	.06	.047	.04	2000	.024
140-XRL100V2.2	2.2	5 x 11	.06	.047	.04	2000	.024
140-XRL100V3.3	3.3	5 x 11	.06	.047	.04	2000	.024
140-XRL100V4.7	4.7	5 x 11	.07	.05	.04	2000	.029
140-XRL100V10	10	6.3 x 11	.08	.058	.044	2000	.034
140-XRL100V22	22	8 x 11	.11	.08	.067	1000	.062
140-XRL100V33	33	10 x 16	.17	.12	.10	500	.10
140-XRL100V47	47	10 x 16	.22	.17	.13	500	.13
140-XRL100V100	100	10 x 20	.36	.28	.20	500	.20
140-XRL100V220	220	13 x 21	.67	.53	.44	300	.53
140-XRL100V330	330	16 x 26	.78	.61	.53	---	---
140-XRL100V470	470	18 x 32	1.03	.80	.68	---	---
160 Volt							
140-XRL160V1.0	1.0	5 x 11	.06	.048	.042	2000	.039
140-XRL160V2.2	2.2	6.3 x 11	.08	.061	.052	2000	.049
140-XRL160V3.3	3.3	8 x 11	.08	.063	.054	1000	.051
140-XRL160V4.7	4.7	8 x 11	.09	.071	.062	1000	.058
140-XRL160V10	10	10 x 12	.15	.12	.098	500	.098
140-XRL160V22	22	10 x 20	.20	.15	.12	300	.15
140-XRL160V33	33	13 x 20	.25	.20	.17	300	.20
140-XRL160V47	47	13 x 20	.37	.29	.25	300	.29
140-XRL160V100	100	16 x 25	.60	.46	.39	---	---
140-XRL160V220	220	18 x 36	1.24	.96	.83	---	---
140-XRL160V330	330	22 x 40	1.71	1.32	1.13	---	---
250 Volt							
140-XRL250V1.0	1.0	6.3 x 11	.08	.064	.056	2000	.052
140-XRL250V2.2	2.2	8 x 11	.11	.084	.071	1000	.066
140-XRL250V3.3	3.3	10 x 12	.13	.094	.077	500	.077
140-XRL250V4.7	4.7	10 x 12	.14	.10	.087	500	.087
140-XRL250V6.8	6.8	10 x 16	.18	.13	.11	500	.11
140-XRL250V10	10	10 x 20	.19	.14	.12	500	.12
140-XRL250V22	22	13 x 26	.41	.32	.27	300	.32
140-XRL250V33	33	13 x 26	.47	.36	.31	300	.36
140-XRL250V47	47	16 x 25	.61	.47	.41	---	---
140-XRL250V100	100	16 x 36	1.29	1.00	.86	---	---
140-XRL250V220	220	22 x 40	2.82	2.19	1.88	---	---
350 Volt							
140-XRL350V1.0	1.0	8 x 11	.18	.14	.12	1000	.11
140-XRL350V2.2	2.2	10 x 16	.19	.15	.13	500	.13
140-XRL350V3.3	3.3	10 x 16	.21	.16	.14	500	.14
140-XRL350V4.7	4.7	10 x 20	.25	.20	.17	500	.17
140-XRL350V10	10	13 x 20	.27	.21	.18	300	.21
140-XRL350V22	22	13 x 25	.49	.38	.33	300	.38
140-XRL350V33	33	16 x 25	.77	.60	.52	---	---
140-XRL350V47	47	16 x 36	.96	.74	.64	---	---
140-XRL350V100	100	22 x 41	2.16	1.68	1.44	---	---
450 Volt							
140-XRL450V1.0	1.0	10 x 16	.21	.16	.14	500	.14
140-XRL450V2.2	2.2	10 x 16	.26	.20	.17	500	.17
140-XRL450V3.3	3.3	10 x 20	.34	.26	.22	500	.22
140-XRL450V4.7	4.7	13 x 20	.45	.35	.30	300	.35
140-XRL450V10	10	13 x 25	.49	.38	.33	300	.38
140-XRL450V22	22	16 x 32	.62	.48	.41	---	---
140-XRL450V33	33	18 x 36	1.16	.90	.77	---	---
140-XRL450V47	47	22 x 40	1.85	1.44	1.23	---	---
140-XRL450V100	100	25 x 45	3.58	2.78	2.38	---	---

XICON High Temperature Aluminum Electrolytic Capacitors

105°C HIGH TEMP. RADIAL ELECTROLYTICS

trical Specifications:

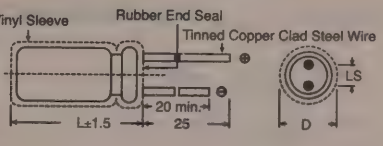
erating temperature range: -40°C to +105°C
leakage current: I=0.01CV or 3μA max.
pacitance tolerance: ±20%

lication Note:
her voltage capacitor may be
in a lower voltage application.

5mm to 13mm Diameter available packaged in Tape and Box. To order Tape and Box, add - TB to Mouser Stock No.

LEAD SPACE CHART (mm)

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0



DIMENSIONS (mm)

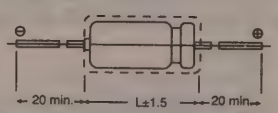
MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each 1	100	500	Tape and Box Qty.	Price per Piece
Volt (13V Surge)							
-HTRL10V100	100	5 x 11	.08	.061	.05	2000	.038
-HTRL10V680	680	10 x 16	.18	.14	.12	500	.12
Volt (20V Surge)							
-HTRL16V22	22	5 x 11	.07	.049	.038	2000	.029
-HTRL16V47	47	5 x 11	.07	.049	.038	2000	.029
-HTRL16V100	100	6.3 x 11	.08	.059	.046	2000	.037
-HTRL16V220	220	8 x 11	.12	.085	.06	2000	.046
-HTRL16V330	330	8 x 11	.12	.085	.06	1000	.046
-HTRL16V470	470	10 x 12	.17	.13	.12	500	.12
-HTRL16V1000	1000	10 x 20	.25	.20	.18	500	.18
-HTRL16V2200	2200	13 x 25	.53	.39	.31	300	.39
-HTRL16V4700	4700	16 x 25	1.02	.80	.71	---	- - -
Volt (32V Surge)							
-HTRL25V10	10	5 x 11	.07	.049	.038	2000	.029
-HTRL25V22	22	5 x 11	.07	.049	.038	2000	.029
-HTRL25V33	33	5 x 11	.07	.049	.038	2000	.029
-HTRL25V47	47	5 x 11	.08	.061	.05	2000	.037
-HTRL25V100	100	6.3 x 11	.08	.061	.05	2000	.037
-HTRL25V220	220	8 x 11	.13	.096	.079	1000	.072
-HTRL25V330	330	10 x 12	.18	.14	.12	500	.12
-HTRL25V470	470	10 x 12	.22	.17	.14	500	.14
-HTRL25V1000	1000	13 x 20	.40	.31	.24	300	.31
-HTRL25V2200	2200	16 x 25	.75	.59	.43	---	- - -
Volt (44V Surge)							
HTRL35V10	10	5 x 11	.07	.049	.038	2000	.029
HTRL35V22	22	5 x 11	.07	.049	.038	2000	.029
HTRL35V33	33	6.3 x 11	.08	.059	.046	2000	.037
HTRL35V47	47	6.3 x 11	.08	.059	.046	2000	.037
HTRL35V100	100	8 x 11	.10	.085	.078	1000	.066
HTRL35V220	220	10 x 12	.18	.14	.12	500	.12
HTRL35V330	330	10 x 20	.22	.17	.14	500	.14
HTRL35V470	470	10 x 16	.30	.23	.16	500	.16
HTRL35V1000	1000	13 x 20	.54	.43	.35	300	.43
olt (63V Surge)							
HTRL50V1.0	1.0	5 x 11	.07	.049	.038	2000	.029
HTRL50V2.2	2.2	5 x 11	.07	.049	.038	2000	.029
HTRL50V4.7	4.7	5 x 11	.07	.049	.038	2000	.029
HTRL50V10	10	5 x 11	.07	.049	.038	2000	.029
HTRL50V22	22	6.3 x 11	.08	.059	.046	2000	.037
HTRL50V33	33	8 x 11	.08	.064	.054	2000	.037
50 Volt (63V Surge) cont.							
140-HTRL50V47	47	8 x 11	.12	.085	.06	2000	.046
140-HTRL50V100	100	8 x 11	.13	.097	.079	1000	.072
140-HTRL50V150	150	10 x 20	.20	.16	.12	500	.12
140-HTRL50V220	220	10 x 20	.22	.17	.14	500	.14
140-HTRL50V330	330	13 x 20	.34	.26	.23	500	.23
140-HTRL50V470	470	13 x 25	.40	.30	.28	300	.31
140-HTRL50V1000	1000	16 x 25	.90	.54	.39	- - -	- - -
140-HTRL50V2200	2200	18 x 36	1.54	1.19	1.02	- - -	- - -
63 Volt (79V Surge)							
140-HTRL63V2.2	2.2	5 x 11	.07	.049	.038	2000	.029
140-HTRL63V3.3	3.3	5 x 11	.07	.049	.038	2000	.029
140-HTRL63V4.7	4.7	5 x 11	.07	.049	.038	2000	.029
140-HTRL63V100	100	10 x 12	.18	.14	.12	500	.12
140-HTRL63V1000	1000	16 x 32	1.67	1.33	1.16	- - -	- - -
100 Volt (125V Surge)							
140-HTRL100V.47	.47	5 x 11	.08	.059	.046	2000	.037
140-HTRL100V1.0	1.0	5 x 11	.08	.059	.046	2000	.037
140-HTRL100V4.7	4.7	6.3 x 11	.08	.059	.046	2000	.037
140-HTRL100V10	10	8 x 11	.12	.085	.06	1000	.046
140-HTRL100V22	22	8 x 11	.12	.085	.06	1000	.046
140-HTRL100V47	47	10 x 12	.22	.17	.14	500	.14
140-HTRL100V100	100	13 x 20	.42	.32	.29	300	.32
140-HTRL100V470	470	18 x 36	1.34	1.04	.89	- - -	- - -
140-HTRL100V680	680	18 x 36	2.09	1.66	1.45	- - -	- - -
160 Volt (200V Surge)							
140-HTRL160V1.0	1.0	5 x 11	.10	.071	.058	2000	.066
140-HTRL160V2.2	2.2	6.3 x 11	.12	.085	.068	2000	.046
140-HTRL160V4.7	4.7	6.3 x 11	.13	.098	.08	2000	.072
140-HTRL160V10	10	10 x 12.5	.18	.14	.12	500	.12
140-HTRL160V22	22	10 x 20	.34	.26	.23	300	.23
140-HTRL160V47	47	13 x 26	.58	.46	.40	300	.46
140-HTRL160V100	100	16 x 25	.77	.61	.54	- - -	- - -
250 Volt (300V Surge)							
140-HTRL250V1.0	1.0	6.3 x 11	.10	.085	.078	2000	.066
140-HTRL250V2.2	2.2	6.3 x 11	.14	.10	.084	2000	.061
140-HTRL250V4.7	4.7	10 x 13	.17	.13	.11	500	.11
140-HTRL250V10	10	10 x 16	.24	.19	.17	500	.17
140-HTRL250V22	22	13 x 20	.53	.39	.31	300	.39
140-HTRL250V47	47	13 x 25	.83	.65	.55	300	.65
140-HTRL250V100	100	16 x 36	1.62	.96	.72	- - -	- - -

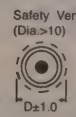
105°C HIGH TEMP. AXIAL ALUMINUM ELECTROLYTICS

fications:

ating temperature range: 10V to 250V: -40°C to +105°C
to 450V: -25°C to +105°C
ance: ± 20%

Application Note:
A higher voltage capacitor may be used in a lower voltage application.





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MOUSER ITOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each 1	10	100	500	1000	2000+
G221M1A-0613	220	6x13	.75	.64	.49	.40	.32	Call for Quote
G471M1A-0816	470	8x16	.75	.64	.49	.40	.32	
G102M1A-1017	1000	10x17	.75	.64	.49	.40	.32	

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G100M1C-0512	10	5x12	.49	.45	.39	.32	.26	Call for Quote
G220M1C-0512	22	5x12	.49	.45	.39	.32	.26	
G470M1C-0613	47	6x13	.49	.45	.39	.32	.26	
G101M1C-0613	100	6x13	.75	.64	.49	.40	.32	
G221M1C-0813	220	8x13	.75	.64	.49	.40	.32	
G471M1C-0816	470	8x16	.75	.64	.49	.40	.32	
G102M1C-1021	1000	10x21	.80	.69	.56	.48	.39	
G222M1C-1327	2200	13x27	1.49	1.31	.99	.78	.63	
G472M1C-1637	4700	16x37	2.39	1.99	1.66	1.51	1.22	

lt

G100M1E-0512	10	5x12	.49	.45	.39	.32	.26	Call for Quote
G220M1E-0512	22	5x12	.49	.45	.39	.32	.26	
G470M1E-0613	47	6x13	.75	.64	.49	.40	.32	
G101M1E-0813	100	8x13	.75	.64	.49	.40	.32	
G221M1E-0816	220	8x16	.75	.64	.49	.40	.32	
G471M1E-1021	470	10x21	1.05	.99	.85	.65	.53	
G102M1E-1322	1000	13x22	1.05	.99	.85	.65	.53	
G222M1E-1628	2200	16x28	1.65	1.51	1.30	.99	.80	
G472M1E-1840	4700	18x40	2.87	2.40	2.18	1.99	1.60	

50 Volt

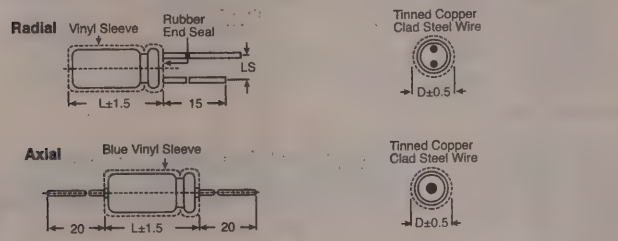
MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each 1	10	100	500	1000	2000+
140-TG100M1H-0512	10	5x12	.49	.45	.39	.32	.26	Call for Quote
140-TG220M1H-0614	22	6x14	.49	.45	.39	.32	.26	
140-TG470M1H-0816	47	8x16	.75	.64	.49	.40	.32	
140-TG101M1H-1017	100	10x17	.75	.64	.49	.40	.32	
140-TG221M1H-1021	220	10x21	1.05	.99	.85	.65	.53	
140-TG331M1H-1322	330	13x22	1.05	.99	.85	.65	.53	
140-TG471M1H-1322	470	13x22	1.05	.99	.85	.65	.53	
140-TG102M1H-1633	1000	16x33	1.65	1.51	1.30	.99	.82	
140-TG222M1H-1840	2200	18x40	2.94	2.44	2.23	2.04	1.64	

100 Volt

140-TG0R1M2A-0512	.1	5x12	.49	.45	.39	.32	.26	CALL FOR QUOTE
140-TGR22M2A-0512	.22	5x12	.49	.45	.39	.32	.26	
140-TGR33M2A-0512	.33	5x12	.49	.45	.39	.32	.26	
140-TGR47M2A-0512	.47	5x12	.49	.45	.39	.32	.26	
140-TG010M2A-0512	1	5x12	.49	.45	.39	.32	.26	
140-TG2R2M2A-0512	2.2	5x12	.49	.45	.39	.32	.26	
140-TG3R3M2A-0512	3.3	5x12	.49	.45	.39	.32	.26	
140-TG4R7M2A-0613	4.7	6x13	.49	.45	.39	.32	.26	
140-TG100M2A-0614	10	6x14	.75	.64	.49	.40	.32	
140-TG220M2A-0816	22	8x16	.75	.64	.49	.40	.32	
140-TG330M2A-1017	33	10x17	.75	.64	.49	.40	.32	
140-TG470M2A-1021	47	10x21	.75	.64	.49	.40	.32	
140-TG101M2A-1322	100	13x22	1.05	.99	.85	.65	.53	
140-TG221M2A-1327	220	13x27	2.05	1.75	1.38	1.25	1.01	
140-TG331M2A-1633	330	16x33	2.35	1.99	1.75	1.49	1.20	
140-TG471M2A-1633	470	16x33	2.60	2.16	1.95	1.79	1.47	
140-TG102M2A-1840	1000	18x40	4.99	3.80	3.45	3.14	2.10	

XICON Non-Polar, Bi-Polar, High Frequency and Low ESR Capacitors

NON-POLAR AND BI-POLAR



DIMENSIONS (mm)

Non-Polarized Axial and Radial Electrolytics

For use in circuits that are reversed in polarity or circuits to which short duration AC voltages are impressed.

Specifications:

- Capacitance tolerance: ±10%
- Leakage current: I=0.02CV=3μA max.
- Vinyl sleeve color: blue
- Dissipation factor (25°C): @120Hz=15% @1KHz=20%
- Operating temperature range: -40°C to +85°C

MOUSER STOCK NO.	WVDC	Value (μF)	Dimensions (mm) D	L	LS	Price Each 1	100	500	1000	2000+
Radial Lead Type										
140-NPRL50V1.0	50	1.0	5	11	2.0	.18	.09	.08	.07	Call for Quote
140-NPRL50V2.2	50	2.2	5	11	2.0	.18	.09	.08	.07	
140-NPRL50V3.3	50	3.3	5	11	2.0	.20	.10	.09	.08	
140-NPRL50V4.7	50	4.7	5	11	2.0	.20	.10	.09	.08	
140-NPRL50V6.8	50	6.8	6	11	2.5	.35	.26	.21	.15	
140-NPRL50V10	50	10	8	11	3.5	.24	.12	.11	.10	
140-NPRL50V15	50	15	8	15	3.5	.46	.34	.26	.20	
140-NPRL50V22	50	22	8	11	3.5	.36	.18	.17	.15	
140-NPRL50V33	50	33	8	13	3.5	.46	.23	.21	.19	
140-NPRL50V47	50	47	10	16	5.0	.49	.33	.30	.27	
140-NPRL50V68	50	68	10	20	5.0	.88	.64	.51	.39	
140-NPRL50V100	50	100	10	20	5.0	.74	.49	.45	.41	
Axial Lead Type										
140-NPAL50V1.0	50	1.0	6.3	12	---	.38	.28	.22	.16	Call for Quote
140-NPAL50V2.2	50	2.2	6.3	12	---	.43	.31	.24	.18	
140-NPAL50V3.3	50	3.3	6.3	12	---	.45	.33	.25	.20	
140-NPAL50V4.7	50	4.7	6.3	12	---	.48	.35	.28	.21	
140-NPAL50V5.6	50	5.6	6.3	12	---	.47	.42	.27	.20	
140-NPAL50V6.8	50	6.8	6.3	12	---	.55	.49	.31	.24	
140-NPAL50V10	50	10	6.3	12	---	.61	.44	.35	.26	
140-NPAL50V15	50	15	8	13	---	.71	.53	.40	.31	
140-NPAL50V22	50	22	8	16	---	.81	.58	.46	.35	
140-NPAL50V33	50	33	8	16	---	.94	.70	.54	.41	
140-NPAL50V47	50	47	10	17	---	1.09	.78	.62	.47	
140-NPAL50V68	50	68	10	26	---	1.25	.93	.71	.55	
140-NPAL50V100	50	100	10	21	---	1.45	1.04	.83	.62	

NON-POLAR AND BI-POLAR (CONT.)

MOUSER STOCK NO.	WVDC	Value (μF)	Dimensions (mm) D	L	LS	Price Each 1	100	500	1000	2000
Axial Lead Type (cont.)										
140-NPAL100V1.0	100	1.0	6.3	12	---	.47	.33	.26	.21	
140-NPAL100V2.2	100	2.2	6.3	12	---	.56	.40	.31	.24	
140-NPAL100V3.3	100	3.3	6.3	16	---	.69	.49	.38	.29	
140-NPAL100V4.7	100	4.7	6.3	16	---	.74	.53	.40	.31	
140-NPAL100V6.8	100	6.8	8	20	---	.77	.55	.47	.36	Cal for Quo
140-NPAL100V10	100	10	8	16	---	.79	.56	.53	.40	
140-NPAL100V15	100	15	10	26	---	1.12	.79	.61	.47	
140-NPAL100V22	100	22	10	22	---	1.30	.93	.71	.55	
140-NPAL100V33	100	33	10	24	---	1.94	1.40	1.07	.83	
140-NPAL100V47	100	47	10	30	---	2.79	2.15	1.66	1.28	
140-NPAL100V100	100	100	16	28	---	4.43	3.40	2.62	2.01	
140-NPAL100V220	100	220	16	37	---	5.95	4.96	4.13	3.44	

AUDIO FREQUENCY BI-POLARS

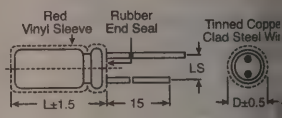
Specifications:

- Operating temperature range: -40°C to +85°C
- Tangent of the loss angle: 0.05 max. @ 120Hz
- Vinyl sleeve color: metallic blue
- Capacitance tolerance: ±20%
- Leakage current: 100μA max.

MOUSER STOCK NO.	WVDC	Value (μF)	Dimensions (mm) D	L	LS	Price Each 1	100	500	1000	
Radial Lead Type										
140-BPRL50V1.0	50	1.0	8	11	3.5	.31	.16	.14	.13	
140-BPRL50V2.2	50	2.2	10	13	5.0	.52	.35	.32	.29	
140-BPRL50V3.3	50	3.3	10	16	5.0	.52	.35	.32	.29	Ca fo Quo
140-BPRL50V4.7	50	4.7	10	20	5.0	.52	.35	.32	.29	
140-BPRL50V6.8	50	6.8	13	21	5.0	.40	.33	.30	.28	
140-BPRL50V10	50	10	13	26	5.0	.72	.48	.43	.39	
140-BPRL50V22	50	22	16	27	7.5	1.26	.84	.76	.70	

HIGH FREQUENCY BI-POLARS

- Horizontal Deflection Circuit
- Operating temperature range: -25°C to +85°C
- Leakage current: I=0.2 CV (μA)
- Capacitance tolerance: ±20%
- Dissipation factor (20°C): 0.05 @ 120Hz



DIMENSIONS (mm)

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) D	L	LS	Ripple (Ip-p) 70°C	85°C	Price Each 1	100	500	1000	20
140-BPHR50V1.0	1.0	13	26	5.0	4	3.5	.79	.62	.57	.52	
140-BPHR50V3.3	3.3	16	32	7.5	6.5	4.5	.99	.77	.69	.63	
140-BPHR50V4.7	4.7	16	25	7.5	7.5	5	1.05	.82	.74	.67	C
140-BPHR50V6.8	6.8	16	36	7.5	8	5.5	1.13	.87	.79	.72	f
140-BPHR50V8.2	8.2	16	36	7.5	9.0	6.5	1.20	.92	.84	.76	Qu
140-BPHR50V10	10	16	36	7.5	10	7	1.29	1.08	.99	.89	

LOW ESR ELECTROLYTIC CAPACITORS

Features:

- High permissible ripple current
- Wide operating temperature range
- Suited for switching power supplies

Specifications:

- Operating temperature: -55°C to +105°C
- Life test: load life = 2000 hours
- Leakage current: 0.01CV or 3μA

5mm to 13mm Diameter available packaged in Tape and Box. To order Tape and Box, add - TB to Mouser Stock No.

Application Note:

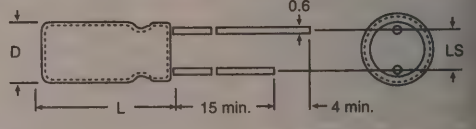
A higher voltage capacitor may be used in a lower voltage application.

Dissipation factor (Tan δ, at 20°C 120 Hz)

Rated voltage (V)	6.3	10	16	25	35	50	63	100
Tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.07

LEAD SPACE CHART (mm)

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Max. ESR Ω @ 20°C 100KHZ	Case Size D x L (mm) Max.	Bulk Price Each 1	100	500	Tape and Box Qty.	Price per Piece
16 Volt (20V Surge)								
140-ESRL16V100	100	.70	6.3 x 11	.44	.23	.18	2000	.12
140-ESRL16V220	220	.33	8 x 11.5	.50	.27	.22	1000	.18
140-ESRL16V330	330	.23	10 x 12.5	.56	.30	.24	500	.24
140-ESRL16V470	470	.18	10 x 16	.61	.32	.26	500	.26
140-ESRL16V1000	1000	.11	13 x 20	.96	.54	.44	500	.44
140-ESRL16V2200	2200	.073	13 x 26	1.58	.87	.68	500	.68
140-ESRL16V3300	3300	.055	16 x 31.5	2.05	1.12	.87	---	---
140-ESRL16V4700	4700	.046	16 x 35.5	2.75	1.40	1.16	---	---
25 Volt (32V Surge)								
140-ESRL25V33	33	1.60	5 x 11	.28	.14	.12	2000	.078
140-ESRL25V47	47	1.10	6.3 x 11	.34	.16	.14	2000	.091
140-ESRL25V100	100	.49	8 x 11.5	.46	.21	.19	1000	.16
140-ESRL25V220	220	.33	10 x 12.5	.57	.27	.24	500	.24
140-ESRL25V330	330	.19	10 x 16	.62	.28	.26	500	.26
140-ESRL25V470	470	.13	10 x 20	.86	.41	.37	500	.37
140-ESRL25V1000	1000	.072	13 x 26	1.34	.63	.57	500	.57
50 Volt (63V Surge)								
140-ESRL50V4.7	4.7	4.70	5 x 11	.24	.12	.099	2000	.063
140-ESRL50V10	10	2.20	5 x 11	.24	.12	.099	2000	.066

DIMENSIONS (mm)

For quantities of 1000 and up, call for

MOUSER STOCK NO.	Value (μF)	Max. ESR Ω @ 20°C 100KHZ	Case Size D x L (mm) Max.	Price Each 1	100	500	Tape and Qty.	Pr per
50 Volt (63V Surge) cont.								
140-ESRL50V22	22	.98	6.3 x 11	.29	.14	.12	2000	
140-ESRL50V33	33	.65	6.3 x 11	.45	.21	.19	2000	
140-ESRL50V47	47	.45	6.3 x 11	.46	.21	.19	2000	
140-ESRL50V100	100	.17	10 x 16	.62	.28	.26	500	
140-ESRL50V220	220	.11	10 x 25	.84	.46	.36	500	
140-ESRL50V330	330	.081	13 x 20	1.04	.62	.54	500	
140-ESRL50V470	470	.066	13 x 26	1.35	.75	.58	500	
140-ESRL50V1000	1000	.046	16 x 31.5	2.00	1.27	.85	---	
100 Volt (100V Surge)								
140-ESRL100V1.0	1.0	17.00	5 x 11	.24	.12	.099	2000	
140-ESRL100V2.2	2.2	6.60	5 x 11	.24	.12	.099	2000	
140-ESRL100V4.7	4.7	2.80	6.3 x 11	.29	.14	.12	2000	
140-ESRL100V10	10	1.20	8 x 11.5	.46	.21	.19	1000	
140-ESRL100V22	22	.55	8 x 11.5	.46	.21	.19	1000	
140-ESRL100V33	33	.42	10 x 12.5	.57	.27	.24	500	
140-ESRL100V47	47	.28	10 x 20	.62	.31	.27	500	
140-ESRL100V100	100	.17	13 x 20	1.29	.60	.54	500	

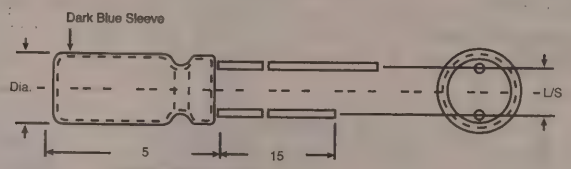
ICON 5mm Height and Low Leakage Electrolytic Capacitors

XICON

ULTRA MINIATURE ELECTROLYTIC CAPACITORS - 5MM HEIGHT

ss Reference:
con LSM, Panasonic: KS

cifications:
mallest leaded electrolytic
vailable from stock
perating temperature range:
0°C to +85°C
apacitance tolerance: ±20%
20°C, 120Hz)
eakage current: I = 0.01 CV or 3 (μA),
hichever is greater
vailable in tape and box



DIMENSIONS (mm)

LEAD SPACE CHART (mm)

Dia	L/S
3	1.5
4	1.5
5	2.0
6	2.5
8	3.5

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Diameter (mm)	Price Each 1	100	500	1000
Volt						
-L6.3V22	22	4	.15	.10	.075	.055
-L6.3V33	33	4	.16	.12	.085	.060
-L6.3V47	47	5	.16	.12	.085	.060
-L6.3V100	100	6	.18	.14	.110	.080
-L6.3V220	220	8	.18	.14	.090	.075
/olt						
-L10V10	10	3	.16	.12	.090	.065
-L10V22	22	5	.16	.12	.090	.065
-L10V33	33	5	.16	.12	.090	.065
-L10V47	47	6	.18	.14	.110	.080
-L10V100	100	6	.18	.14	.110	.080
-L10V220	220	8	.33	.25	.190	.140
/olt						
-L16V4.7	4.7	3	.12	.10	.080	.055
-L16V10	10	4	.12	.10	.080	.055
-L16V22	22	4	.16	.12	.090	.065
-L16V33	33	5	.18	.14	.110	.080
-L16V47	47	6	.18	.14	.110	.080
-L16V100	100	8	.32	.25	.190	.140
/olt						
-L25V3.3	3.3	3	.18	.14	.090	.075
-L25V4.7	4.7	4	.18	.14	.090	.075
-L25V10	10	5	.16	.12	.090	.065

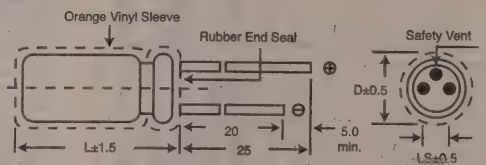
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Diameter (mm)	Price Each 1	100	500	1000
25 Volt						
140-L25V22	22	6	.18	.14	.110	.080
140-L25V33	33	6	.18	.14	.110	.080
140-L25V47	47	6	.18	.14	.110	.080
140-L25V100	100	8	.18	.14	.110	.080
35 Volt						
140-L35V2.2	2.2	3	.18	.14	.090	.075
140-L35V3.3	3.3	4	.12	.10	.075	.055
140-L35V4.7	4.7	4	.12	.10	.075	.055
140-L35V10	10	5	.16	.12	.090	.065
140-L35V22	22	6	.18	.14	.110	.080
140-L35V33	33	6	.32	.25	.190	.140
140-L35V47	47	8	.32	.25	.190	.140
50 Volt						
140-L50V.1	0.1	3	.18	.14	.110	.080
140-L50V.22	0.22	3	.18	.14	.110	.080
140-L50V.33	0.33	3	.18	.14	.110	.080
140-L50V.47	0.47	3	.18	.14	.110	.080
140-L50V1.0	1	3	.18	.14	.110	.080
140-L50V2.2	2.2	4	.12	.10	.075	.055
140-L50V3.3	3.3	4	.12	.10	.075	.055
140-L50V4.7	4.7	5	.15	.11	.085	.060
140-L50V10	10	6	.18	.14	.110	.080
140-L50V22	22	6	.28	.22	.170	.110
140-L50V33	33	6	.28	.22	.170	.110

LOW LEAKAGE CURRENT ELECTROLYTICS

rical Specifications:
eakage current: I=0.002CV or 0.4μA whichever is greater
rating temperature range: -40°C to +85°C
acitance tolerance: ±20%
l space for Tape and Box is 5.0mm

Application Note:
A higher voltage capacitor may be used in a lower voltage application.



LEAD SPACE CHART (mm)

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0

der Tape and Box, add - TB to Mouser Stock No.

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each 1	100	500	Tape and Box Qty/Reel	Price per Piece
lt (13V Surge)							
.LRL10V47	47	5 x 11	.22	.11	.09	2000	.058
.LRL10V100	100	5 x 11	.24	.12	.10	2000	.074
.LRL10V220	220	6.3 x 11	.34	.17	.14	2000	.097
.LRL10V330	330	8 x 11	.33	.22	.18	1000	.16
.LRL10V470	470	8 x 11	.39	.26	.22	1000	.18
.LRL10V1000	1000	10 x 16	.63	.42	.35	500	.35
.LRL10V2200	2200	13 x 21	1.02	.77	.64	500	.64
.LRL10V3300	3300	13 x 26	1.29	1.07	.92	500	.92
.LRL10V4700	4700	16 x 25	1.47	1.22	1.02	---	---
lt (20V Surge)							
LRL16V10	10	5 x 11	.22	.11	.09	2000	.058
LRL16V22	22	5 x 11	.20	.10	.08	2000	.058
LRL16V33	33	5 x 11	.20	.10	.08	2000	.058
LRL16V47	47	5 x 11	.24	.12	.10	2000	.064
LRL16V100	100	6.3 x 11	.34	.17	.14	2000	.097
LRL16V220	220	8 x 11	.35	.23	.19	1000	.16
LRL16V330	330	8 x 11	.39	.26	.22	1000	.18
LRL16V470	470	10 x 12	.49	.33	.28	500	.28
LRL16V1000	1000	10 x 20	.77	.52	.43	500	.43
LRL16V2200	2200	13 x 25	1.26	.84	.70	500	.70
LRL16V3300	3300	16 x 25	1.56	1.30	1.08	---	---
lt (32V Surge)							
LRL25V100	100	6.3 x 11	.35	.18	.15	2000	.11
LRL25V220	220	8 x 11	.42	.28	.23	1000	.20
LRL25V330	330	10 x 12	.58	.39	.32	500	.32
LRL25V470	470	10 x 16	.70	.46	.39	500	.39
LRL25V1000	1000	13 x 20	1.05	.81	.67	500	.67
LRL25V2200	2200	16 x 25	1.67	1.34	1.12	---	---

ard lead space for tape and box package is 5.0 mm

To order Tape and Box, add - TB to Mouser Stock No.

DIMENSIONS (mm)

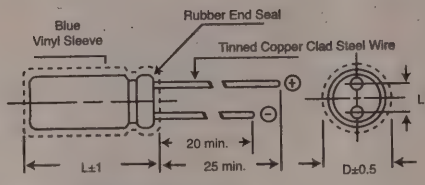
For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each 1	100	500	Tape and Box Qty/Reel	Price per piece
35 Volt (44V Surge)							
140-LLRL35V4.7	4.7	5 x 11	.22	.11	.09	2000	.058
140-LLRL35V10	10	5 x 11	.22	.11	.09	2000	.058
140-LLRL35V22	22	5 x 11	.24	.12	.10	2000	.066
140-LLRL35V33	33	5 x 11	.28	.14	.11	2000	.074
140-LLRL35V47	47	6.3 x 11	.34	.17	.14	2000	.097
140-LLRL35V100	100	8 x 11	.35	.23	.20	1000	.16
140-LLRL35V220	220	10 x 12	.58	.38	.32	500	.32
140-LLRL35V470	470	10 x 20	.81	.62	.52	500	.52
140-LLRL35V1000	1000	13 x 25	1.18	.91	.75	500	.75
140-LLRL35V2200	2200	16 x 32	2.23	1.71	1.55	---	---
50 Volt (63V Surge)							
140-LLRL50V0.47	0.47	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V1.0	1.0	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V2.2	2.2	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V3.3	3.3	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V4.7	4.7	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V10	10	5 x 11	.24	.12	.10	2000	.066
140-LLRL50V22	22	5 x 11	.32	.16	.13	2000	.089
140-LLRL50V33	33	6.3 x 11	.34	.18	.15	2000	.11
140-LLRL50V47	47	6.3 x 11	.38	.23	.19	2000	.13
140-LLRL50V100	100	8 x 11	.63	.36	.24	1000	.20
140-LLRL50V220	220	10 x 16	.68	.53	.44	500	.44
140-LLRL50V330	330	10 x 20	.92	.71	.60	500	.60
140-LLRL50V470	470	13 x 20	.97	.75	.62	500	.62
140-LLRL50V1000	1000	16 x 25	1.95	1.63	1.36	---	---

XICON 7mm Height Radial Electrolytic Capacitors

7MM HEIGHT 105°C RADIAL ELECTROLYTIC CAPACITORS

Specifications:
- Operating Temperature: -40°C to +105°C
- Tolerance +/- 20%
- Leakage Current: I = .01CV or 3uA whichever is greater
- Meets Tight Board Space Requirements.
- Can be used in place of expensive tantalum capacitors.



LEAD SPACE CHART (mm)

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0

For quantities of 2000 and up, call for quote.

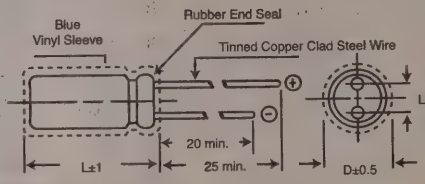
MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each 1	100	500	1000
10 Volt						
140-MLRH10V22	22	4	.29	.095	.068	.046
140-MLRH10V33	33	4	.29	.095	.068	.046
140-MLRH10V47	47	5	.31	.110	.081	.054
140-MLRH10V100	100	6	.33	.120	.095	.064
140-MLRH10V220	220	8	.44	.200	.132	.090
16 Volt						
140-MLRH16V10	10	4	.29	.095	.068	.046
140-MLRH16V22	22	4	.29	.095	.068	.046
140-MLRH16V33	33	5	.31	.110	.081	.054
140-MLRH16V47	47	6	.33	.120	.095	.064
140-MLRH16V100	100	6	.35	.140	.110	.072
25 Volt						
140-MLRH25V33	33	6	.33	.120	.095	.064

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each 1	100	500	10
35 Volt						
140-MLRH35V4.7	4.7	4	.29	.095	.068	.0
140-MLRH35V10	10	5	.31	.110	.081	.0
140-MLRH35V22	22	6	.33	.120	.095	.0
50 Volt						
140-MLRH50V.1	0.1	4	.29	.095	.068	.0
140-MLRH50V.22	0.22	4	.29	.095	.068	.0
140-MLRH50V.33	0.33	4	.29	.095	.068	.0
140-MLRH50V.47	0.47	4	.29	.095	.068	.0
140-MLRH50V1.0	1	4	.29	.095	.068	.0
140-MLRH50V2.2	2.2	4	.29	.095	.068	.0
140-MLRH50V3.3	3.3	4	.29	.095	.068	.0
140-MLRH50V4.7	4.7	5	.31	.095	.068	.0
140-MLRH50V10	10	6	.33	.120	.095	.0

7MM NON-POLAR RADIAL ELECTROLYTIC CAPACITORS

Specifications:
- For use in circuits that reverse in polarity or circuits to which short duration AC voltages are impressed.
- Meets Tight Board Space Requirements.
- Capacitance tolerance +/- 20%.
- Operating Temperature Range -40°C to +85°C.
- Leakage Current: I=.05CV or 10 uA whichever is greater.



LEAD SPACE CHART (mm)

Dia	L/S	Dia	L/
4	1.5	13	5.
5	2.0	16	7.
6.3	2.5	18	7.
8	3.5		
10	5.0	Tape	5.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each 1	100	500	1000
10 Volt						
140-MLNP10V22	22	4	.31	.22	.18	.13
140-MLNP10V33	33	4	.33	.23	.19	.14
140-MLNP10V47	47	5	.35	.27	.23	.18
16 Volt						
140-MLNP16V10	10	4	.31	.22	.18	.13
140-MLNP16V22	22	4	.33	.23	.19	.14
140-MLNP16V33	33	5	.35	.27	.23	.18
35 Volt						
140-MLNP35V4.7	4.7	4	.31	.22	.18	.13
140-MLNP35V10	10	5	.35	.27	.23	.18
140-MLNP35V22	22	6	.35	.27	.23	.18

For quantities of 2000 and up, call for q

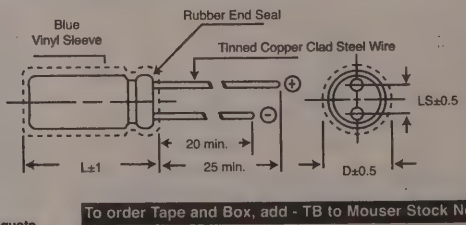
MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each 1	100	500	1
50 Volt						
140-MLNP50V.1	0.1	4	.30	.20	.16	
140-MLNP50V.22	0.22	4	.30	.20	.16	
140-MLNP50V.33	0.33	4	.30	.20	.16	
140-MLNP50V.47	0.47	4	.30	.20	.16	
140-MLNP50V1.0	1	4	.30	.20	.16	
140-MLNP50V2.2	2.2	4	.30	.20	.16	
140-MLNP50V3.3	3.3	4	.31	.22	.18	
140-MLNP50V4.7	4.7	5	.33	.23	.19	
140-MLNP50V10	10	6	.35	.27	.23	

SUB MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS - 7MM HEIGHT

Specifications:
- Meets tight board space requirements
- Capacitance tolerance: ±20%
- Operating temperature range: -40°C to +85°C
- DC leakage current: (after 3 minutes application of DC working voltage at 25°C) I = 0.02CV +3µA max
- Replacement for expensive tantalum capacitors
- Lead space for Tape and Box is 5.0mm

Application Note:
A higher voltage capacitor may be used in a lower voltage application.

Cross Reference:
Panasonic: KA Series



LEAD SPACE CHART (mm)

Dia	L/S	Dia	
4	1.5	13	
5	2.0	16	
6.3	2.5	18	
8	3.5		
10	5.0	Tape	

To order Tape and Box, add - TB to Mouser Stock No.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each 1	100	500	Tape and Box Qty/Reel	Price per piece
10 Volt (13V Surge)							
140-MLRL10V22	22	4 x 7	.08	.062	.057	2000	.033
140-MLRL10V33	33	4 x 7	.08	.062	.057	2000	.033
140-MLRL10V47	47	5 x 7	.10	.074	.067	2000	.040
140-MLRL10V100	100	6.3 x 7	.12	.087	.079	2000	.048
140-MLRL10V220	220	8 x 7	.17	.120	.110	2000	.068
16 Volt (20V Surge)							
140-MLRL16V10	10	4 x 7	.08	.062	.057	2000	.033
140-MLRL16V22	22	4 x 7	.08	.062	.057	2000	.035
140-MLRL16V33	33	5 x 7	.10	.074	.067	2000	.040
140-MLRL16V47	47	6.3 x 7	.12	.087	.079	2000	.048
140-MLRL16V100	100	6.3 x 7	.13	.099	.090	2000	.053
25 Volt (32V Surge)							
140-MLRL25V33	33	6.3 x 7	.12	.087	.079	2000	.048

To order Tape and Box, add - TB to Mouser Stock No.

DIMENSION

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each 1	100	500	Tape and Qty/Reel	Pr
35 Volt (44V Surge)							
140-MLRL35V4.7	4.7	4 x 7	.08	.062	.057	2000	
140-MLRL35V10	10	5 x 7	.10	.074	.067	2000	
140-MLRL35V22	22	6.3 x 7	.12	.087	.079	2000	
50 Volt (63V Surge)							
140-MLRL50V.1	.1	4 x 7	.08	.062	.057	2000	
140-MLRL50V.22	.22	4 x 7	.08	.062	.057	2000	
140-MLRL50V.33	.33	4 x 7	.08	.062	.057	2000	
140-MLRL50V.47	.47	4 x 7	.08	.062	.057	2000	
140-MLRL50V1.0	1.0	4 x 7	.08	.062	.057	2000	
140-MLRL50V2.2	2.2	4 x 7	.08	.062	.057	2000	
140-MLRL50V3.3	3.3	4 x 7	.08	.062	.057	2000	
140-MLRL50V4.7	4.7	5 x 7	.10	.074	.067	2000	
140-MLRL50V10	10	6.3 x 7	.12	.087	.079	2000	

XICON 85°C Aluminum Electrolytic Capacitors

85°C AXIAL ALUMINUM ELECTROLYTICS

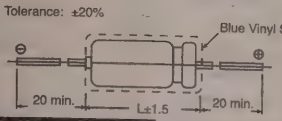
ecifications:

)perating temperature range:
0V to 250V: -40°C to +85°C
50V to 450V: -25°C to +85°C

plication Note:

gher voltage capacitor may be
d In a lower voltage application.

• Tolerance: ±20%



Safety Vent (Dia.>10)

To order Tape and Reel, add - TR to Mouser Stock No.

IENSIONS (mm)

For quantities 1000 and up, call for quote.

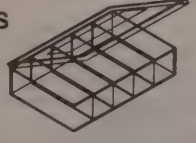
MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each 1	100	500	Tape and Reel Qty.	Price per Piece
Volt							
0-XAL10V2.2	2.2	5 x 12	.25	.15	.11	1200	.081
0-XAL10V100	100	6 x 13	.28	.20	.15	1000	.13
0-XAL10V330	330	8 x 16	.28	.20	.15	750	.15
0-XAL10V470	470	8 x 16	.36	.25	.19	750	.20
0-XAL10V680	680	10 x 17	.55	.40	.32	300	.32
0-XAL10V1000	1000	10 x 17	.55	.40	.32	300	.40
0-XAL10V2200	2200	13 x 22	.90	.59	.48	---	---
0-XAL10V3300	3300	13 x 27	1.23	.86	.68	---	---
0-XAL10V4700	4700	16 x 28	1.25	.88	.68	---	---
0-XAL10V6800	6800	16 x 28	2.27	1.72	1.56	---	---
0-XAL10V10000	10000	18 x 36	2.99	2.27	2.06	---	---
Volt							
0-XAL16V3.3	3.3	5 x 12	.25	.15	.11	1200	.081
0-XAL16V10	10	5 x 12	.25	.15	.11	1200	.081
0-XAL16V22	22	5 x 12	.25	.15	.11	1200	.082
0-XAL16V33	33	5 x 12	.25	.15	.11	1200	.082
0-XAL16V47	47	6.3 x 13	.25	.15	.11	1000	.098
0-XAL16V100	100	6.3 x 13	.29	.21	.16	1000	.14
0-XAL16V220	220	8 x 13	.29	.21	.16	750	.16
0-XAL16V330	330	8 x 16	.29	.21	.16	750	.16
0-XAL16V470	470	8 x 16	.37	.26	.20	750	.20
0-XAL16V1000	1000	10 x 21	.73	.51	.44	300	.51
0-XAL16V2200	2200	13 x 22	.98	.67	.53	---	---
0-XAL16V3300	3300	16 x 27	1.25	.88	.70	---	---
0-XAL16V4700	4700	16 x 33	2.17	1.51	1.37	---	---
0-XAL16V6800	6800	18 x 38	2.75	1.84	1.68	---	---
0-XAL16V10000	10000	22 x 43	3.73	2.50	2.35	---	---
Volt							
0-XAL25V10	10	5 x 12	.25	.15	.11	1200	.081
0-XAL25V22	22	5 x 12	.25	.15	.11	1200	.082
0-XAL25V33	33	6.3 x 13	.25	.15	.11	1000	.099
0-XAL25V47	47	6.3 x 13	.28	.20	.15	1000	.13
0-XAL25V100	100	8 x 13	.30	.22	.17	750	.17
0-XAL25V220	220	8 x 16	.30	.22	.17	750	.17
0-XAL25V330	330	10 x 17	.37	.26	.20	300	.26
0-XAL25V470	470	10 x 17	.47	.35	.29	300	.35
0-XAL25V1000	1000	13 x 22	.73	.51	.44	---	---
0-XAL25V2200	2200	16 x 27	1.17	.82	.62	---	---
0-XAL25V3300	3300	16 x 33	1.99	1.51	1.38	---	---
0-XAL25V4700	4700	18 x 37	2.61	1.98	1.81	---	---
0-XAL25V6800	6800	22 x 43	4.99	3.81	3.47	---	---
0-XAL25V10000	10000	25 x 43	6.47	4.92	4.47	---	---
Volt							
0-XAL35V10	10	5 x 12	.25	.15	.11	1200	.082
0-XAL35V33	33	6.3 x 13	.25	.15	.11	1000	.11
0-XAL35V47	47	6.3 x 13	.25	.15	.11	1000	.11
0-XAL35V100	100	8 x 16	.29	.21	.16	750	.16
0-XAL35V220	220	10 x 17	.37	.26	.20	300	.26
0-XAL35V330	330	10 x 21	.47	.35	.29	300	.35
0-XAL35V470	470	10 x 21	.54	.39	.30	300	.39
0-XAL35V1000	1000	13 x 27	.93	.62	.51	---	---
0-XAL35V2200	2200	16 x 33	1.98	1.50	1.36	---	---
0-XAL35V3300	3300	16 x 37	3.59	2.41	2.19	---	---
0-XAL35V4700	4700	22 x 43	5.13	3.54	3.22	---	---
olt							
0-XAL50V.47	47	5 x 12	.25	.15	.11	1200	.081
0-XAL50V1.0	1.0	5 x 12	.25	.15	.11	1200	.081
0-XAL50V2.2	2.2	5 x 12	.25	.15	.11	1200	.081
0-XAL50V3.3	3.3	5 x 12	.25	.15	.11	1200	.081
0-XAL50V4.7	4.7	5 x 12	.25	.15	.11	1200	.081
0-XAL50V6.8	6.8	5 x 12	.25	.15	.11	1200	.098

To order Tape and Reel, add - TR to Mouser Stock No.

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each 1	100	500	Tape and Reel Qty.	Price per Piece
140-XAL50V10	10	5 x 12	.25	.15	.11	1000	.098
140-XAL50V22	22	6.3 x 13	.25	.15	.11	1000	.10
140-XAL50V33	33	6.3 x 13	.25	.15	.11	1000	.11
140-XAL50V47	47	8 x 13	.25	.15	.11	750	.11
140-XAL50V68	68	8 x 15	.28	.20	.15	750	.15
140-XAL50V100	100	10 x 17	.30	.22	.17	300	.22
140-XAL50V220	220	10 x 21	.47	.35	.29	300	.35
140-XAL50V330	330	13 x 22	.54	.42	.36	---	---
140-XAL50V470	470	13 x 22	.75	.53	.47	---	---
140-XAL50V680	680	16 x 28	.91	.60	.49	---	---
140-XAL50V1000	1000	16 x 33	1.19	.85	.67	---	---
140-XAL50V2200	2200	18 x 40	2.67	2.03	1.85	---	---
140-XAL50V3300	3300	22 x 43	4.51	3.43	3.12	---	---
140-XAL50V4700	4700	25 x 52	5.99	4.58	4.16	---	---
63 Volt							
140-XAL63V2.2	2.2	5 x 12	.25	.15	.11	1200	.081
140-XAL63V6.8	6.8	5 x 12	.25	.15	.11	---	---
140-XAL63V100	100	10 x 21	.40	.27	.23	300	.27
140-XAL63V220	220	13 x 22	.59	.43	.36	---	---
140-XAL63V470	470	13 x 27	.82	.58	.47	---	---
100 Volt							
140-XAL100V1.0	1.0	5 x 12	.25	.15	.11	1200	.082
140-XAL100V2.2	2.2	5 x 12	.25	.15	.11	1200	.082
140-XAL100V3.3	3.3	5 x 12	.25	.15	.11	1200	.085
140-XAL100V4.7	4.7	6.3 x 13	.25	.15	.11	1000	.099
140-XAL100V10	10	8 x 16	.25	.15	.11	750	.11
140-XAL100V22	22	8 x 16	.30	.22	.17	750	.17
140-XAL100V33	33	10 x 17	.37	.26	.20	300	.26
140-XAL100V47	47	10 x 21	.37	.26	.20	300	.26
140-XAL100V100	100	13 x 22	.91	.60	.49	---	---
140-XAL100V220	220	16 x 27	1.86	1.25	1.14	---	---
140-XAL100V470	470	16 x 37	2.36	1.77	1.63	---	---
160 Volt							
140-XAL160V1.0	1.0	6.3 x 12	.36	.27	.25	1000	.21
140-XAL160V2.2	2.2	6.3 x 12	.40	.30	.27	1000	.22
140-XAL160V3.3	3.3	8 x 16	.45	.34	.31	750	.25
140-XAL160V10	10	10 x 17	.55	.40	.30	300	.40
140-XAL160V22	22	10 x 21	.86	.65	.59	---	---
140-XAL160V47	47	13 x 27	1.12	.86	.78	---	---
140-XAL160V100	100	16 x 33	1.93	1.46	1.33	---	---
140-XAL160V220	220	18 x 42	2.85	2.16	1.96	---	---
250 Volt							
140-XAL250V1.0	1.0	8 x 12	.51	.31	.28	750	.28
140-XAL250V2.2	2.2	8 x 12	.60	.36	.33	750	.33
140-XAL250V3.3	3.3	8 x 12	.66	.40	.37	750	.37
140-XAL250V4.7	4.7	8 x 16	.73	.44	.39	300	.39
140-XAL250V10	10	10 x 17	.79	.55	.50	300	.55
140-XAL250V22	22	13 x 21	1.19	.92	.83	---	---
140-XAL250V33	33	16 x 27	1.36	1.03	.94	---	---
140-XAL250V47	47	16 x 33	1.74	1.32	1.20	---	---
140-XAL250V100	100	18 x 43	3.14	2.38	2.16	---	---
350 Volt							
140-XAL350V4.7	4.7	10 x 21	.84	.59	.54	300	.59
140-XAL350V22	22	13 x 32	1.40	1.06	.97	---	---
140-XAL350V33	33	16 x 33	2.06	1.56	1.41	---	---
140-XAL350V47	47	16 x 42	2.65	2.01	1.83	---	---
140-XAL350V100	100	18 x 40	4.61	3.49	3.18	---	---
450 Volt							
140-XAL450V1.0	1.0	8 x 16	.69	.42	.38	750	.38
140-XAL450V2.2	2.2	10 x 17	.75	.50	.45	300	.50
140-XAL450V3.3	3.3	10 x 21	.83	.58	.53	300	.58
140-XAL450V4.7	4.7	10 x 21	.96	.67	.61	---	---
140-XAL450V10	10	13 x 27	1.29	.99	.90	---	---
140-XAL450V22	22	16 x 37	2.10	1.59	1.44	---	---
140-XAL450V33	33	16 x 31	2.94	2.23	2.03	---	---
140-XAL450V47	47	18 x 36	3.46	2.62	2.38	---	---
140-XAL450V100	100	25 x 52	6.27	4.75	4.32	---	---

85°C AXIAL & RADIAL MINIATURE ALUMINUM ELECTROLYTIC CAPACITOR KITS



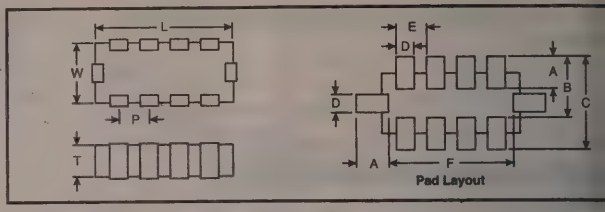
C - 50VDC
to +85°C
ssembled and keyed for easy use
n Kits for engineers
der individual parts as needed by using Part Number Key in box lid

OUSER CK NO.	Description	Range of Values	Pieces in Each Kit	Contains (µF)	Price Each
140XAL-1	Axial lead	.47µF-1000µF	80	**10 each:** .47, 1.0 (50V), **5 each:** 2.2, 3.3, 4.7, 10, 22, 220, (50VDC), 33, 470, (35VDC), 47, 100, 330, 1000, (25VDC)	29.95
140XAL-2	Axial lead	220µF-4700µF	25	**5 each:** 220 (50V), 330 (25VDC), **3 each:** 470 (35VDC), 1000 (25VDC), 1000 (50VDC), **2 each:** 2200, 3300, 4700 (35VDC)	29.95
140XRL-1	Radial lead	1µF-1000µF	80	**10 each:** 1, 2.2, 4.7, 22 (50V), **10 each:** 10, 47 (35V) **5 each:** 100, 470, 1000 (25V), 220 (35V)	29.95

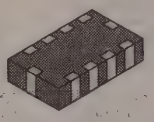
AVX Feedthru 0805/1206 Capacitors

W3F4 SERIES: 4 ELEMENT 1206 FEEDTHRU ARRAY

The Feedthru Capacitor Array contains four elements with a common ground connection. This makes them an ideal choice for Multi-line designs needing EMI suppression, broadband I/O filtering or Vcc power line conditioning. Additional benefits are reduced component count and PCB space savings. The unique construction provides low parallel inductance and offers excellent decoupling capability for all high di/dt environments. It provides significant noise reduction in digital circuits to <5 GHz.



Specifications :
- Capacitance Tolerance: +50%, -20%
- Current Rating 300mA:
- Insulation Resistance: 1000MΩ
- DC Resistance: <0.6ø
- Operating Temperature Range: -55 to +125°C



DIMENSIONS mm (in.)

Case	L	W	T	P
1206	3.25±0.15 (0.128±.006)	1.6±0.2 (0.063±.008)	1.22 max. (.048 max.)	0.76 ref. (.030 ref.)
0805	2.1±0.15 (0.083±.001)	1.3±0.2 (.051±.008)	1.02 max. (.04 max.)	.508 ref. (.02 ref.)

MOUSER STOCK NO.	AVX Part Number	Typical Cap. (pF)	Voltage Rating (V)	Dielectric	Roll Off Freq. (MHz)	Center Freq. (MHz)	10dB Point (MHz)	20dB Range (MHz)		Price Each				
								Min Freq.	Max Freq.	1	25	100	500	1
581-W3F41A2208AT1F	W3F41A2208AT1F	22	100	C0G (NP0)	270	2640	970	1780	3500	.43	.34	.22	.17	
581-W3F41A4708AT1F	W3F41A4708AT1F	47	100	C0G (NP0)	65	2000	185	600	3400	.43	.34	.22	.17	
581-W3F41A1018AT1F	W3F41A1018AT1F	100	100	C0G (NP0)	65	2030	185	560	3500	.43	.34	.22	.17	
581-W3F45C2218AT1F	W3F45C2218AT1F	220	50	X7R	35	1885	120	470	3300	.43	.34	.22	.17	
581-W3F45C4718AT1F	W3F45C4718AT1F	470	50	X7R	20	1860	60	220	3500	.43	.34	.22	.17	

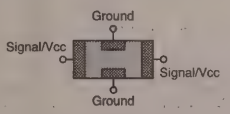
W2F4SERIES 4 ELEMENT 0805 FEEDTHRU ARRAY

MOUSER STOCK NO.	AVX Part Number	Typical Cap. (pF)	Voltage Rating (V)	Dielectric	Roll Off Freq. (MHz)	Center Freq. (MHz)	10dB Point (MHz)	20dB Range (MHz)		Price Each				
								Min Freq.	Max Freq.	1	25	100	500	1
581-W2F43A2208AT1F	W2F43A2208AT1F	22	25	C0G (NP0)	208	4750	616	1407	7300	.50	.40	.26	.20	
581-W2F43A4708AT1F	W2F43A4708AT1F	47	25	C0G (NP0)	110	2750	330	900	4600	.50	.40	.26	.20	
581-W2F43A1018AT1F	W2F43A1018AT1F	100	25	C0G (NP0)	60	1300	179	501	7200	.50	.40	.26	.20	

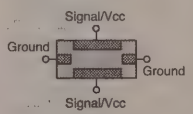
W2H/W3H SERIES HIGH CURRENT FEEDTHRU CAPACITORS

High current feedthru capacitors are designed as a broadband EMI filter that is specially designed to have high current handling capability. These SMT feedthru filters offer an optimized frequency response with high attenuation across a wide RF spectrum due to optimized parallel and series inductances.

Applications:
- Power Amplifier (PA) Decoupling
- DC/DC converters
- Power Supervisory Circuits
- Digital to RF Block Filtering
- Telecom
- LCD Displays
- Charge Pump Converters



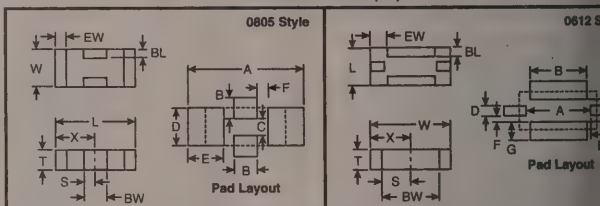
W2H1 - 0805 Style



W3H1 - 0612 Style

Key Features/Benefits:
- SMD Device
- Broadband filtering
- Operates at frequencies up to 5GHz
- Attenuation of >30dB

DIMENSIONS mm (in.)



Case	L	W	T	BW	BL	ES	EW	X	S
0805	2.01 ±0.20 (.079 ±.008)	1.25 ±0.20 (.049 ±.008)	1.14 max. (.045 max.)	0.46 ±0.10 (.018 ±.004)	0.18 + 0.25 -0.08 (.007 +.010 -.003)	- - - - - -	0.25 ±0.13 (.010 ±.005)	1.02 ±0.10 (.040 ±.004)	0.23 ±0. (.009 ±.0
0612	1.60 ±0.20 (.063 ±.008)	3.20 ±0.20 (.126 ±.008)	1.22 max. (.048 max.)	2.80 ±.127 (.110 ±.005)	0.18 +0.25 -0.08 .007 +.010 -.003)	0.41 ±0.10 (.016 ±.004)	0.41 ±0.10 (.016 ±.004)	1.60 ±0.10 (.063 ±.004)	1.40 ±0. (.055 ±.0

Pad Layout Dimensions

Case	A	B	C	D	E	F	G
0805	3.45 (.136)	0.51 (.020)	0.76 (.030)	1.27 (.050)	1.02 (.040)	0.46 (.018)	- - -
0612	2.54 (.100)	3.05 (.120)	1.12 (.044)	.460 (.018)	.610 (.024)	.330 (.013)	.710 (.028)

0805

MOUSER STOCK NO.	AVX Part Number	Typical Capacitance (pF)	Voltage Rating (V)	Dielectric	Current (A)	Tolerance (%)	Price Each				
							1	25	100	500	1
581-W2H13C1048AT1F	W2H13C1048AT1F	100000	25	X7R	2	+50%-20%	.68	.61	.54	.47	
581-W2H15C4738AT1F	W2H15C4738AT1F	47000	50	X7R	2	+50%-20%	.68	.61	.54	.47	
581-W2H15C2238AT1F	W2H15C2238AT1F	22000	50	X7R	1	+50%-20%	.68	.61	.54	.47	
581-W2H15C1038AT1F	W2H15C1038AT1F	10000	50	X7R	1	+50%-20%	.68	.61	.54	.47	
581-W2H15C1028AT1F	W2H15C1028AT1F	1000	50	X7R	1	+50%-20%	.68	.61	.54	.47	
581-W2H11A4718AT1F	W2H11A4718AT1F	470	100	C0G (NPO)	0.5	+50%-20%	.68	.61	.54	.47	
581-W2H11A2218AT1F	W2H11A2218AT1F	220	100	C0G (NPO)	0.5	+50%-20%	.68	.61	.54	.47	
581-W2H11A1018AT1F	W2H11A1018AT1F	100	100	C0G (NPO)	0.5	+50%-20%	.68	.61	.54	.47	
581-W2H11A4708AT1F	W2H11A4708AT1F	47	100	C0G (NPO)	0.5	+50%-20%	.68	.61	.54	.47	
581-W2H11A2208AT1F	W2H11A2208AT1F	22	100	C0G (NPO)	0.5	+50%-20%	.68	.61	.54	.47	

0612

MOUSER STOCK NO.	AVX Part Number	Typical Capacitance (pF)	Voltage Rating (V)	Dielectric	Current (A)	Tolerance (%)	Price Each				
							1	25	100	500	1
581-W3H13C1048AT1F	W3H13C1048AT1F	100000	25	X7R	5	+50%-20%	.68	.61	.54	.47	
581-W3H15C4738AT1F	W3H15C4738AT1F	47000	50	X7R	5	+50%-20%	.68	.61	.54	.47	
581-W3H15C2238AT1F	W3H15C2238AT1F	22000	50	X7R	4	+50%-20%	.68	.61	.54	.47	
581-W3H15C1038AT1F	W3H15C1038AT1F	10000	50	X7R	3	+50%-20%	.68	.61	.54	.47	
581-W3H11A4718AT1F	W3H11A4718AT1F	470	100	C0G (NPO)	4	+50%-20%	.68	.61	.54	.47	
581-W3H11A2218AT1F	W3H11A2218AT1F	220	100	C0G (NPO)	4	+50%-20%	.68	.61	.54	.47	
581-W3H11A1018AT1F	W3H11A1018AT1F	100	100	C0G (NPO)	4	+50%-20%	.68	.61	.54	.47	
581-W3H11A4708AT1F	W3H11A4708AT1F	47	100	C0G (NPO)	3	+50%-20%	.68	.61	.54	.47	
581-W3H11A2208AT1F	W3H11A2208AT1F	22	100	C0G (NPO)	3	+50%-20%	.68	.61	.54	.47	

MURATA Capacitor Arrays and Hi-Q Chip Capacitors

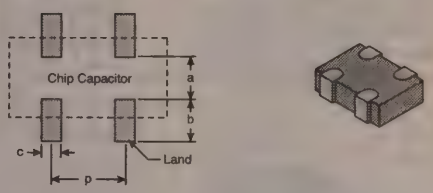
muRata
Innovator in Electronics

RATA GNM SERIES CAPACITOR ARRAYS

ications:
erature Range: X7R -55°C to +125°C
X5R -55°C to +85°C
tion Resistance: More than 10,000 MΩ

pacitor Arrays

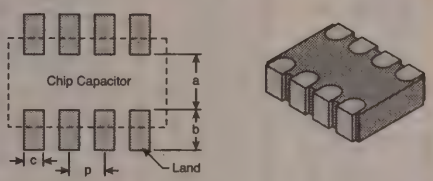
MOUSER STOCK NO.	Murata Part Number	Temp. Coef.	Volt	Value	Price Each 1	50	100	500	1000
acitor Array 0504 Case									
M1M2R71H102MA01	GNM1M2R71H102MA01D	X7R	50	1000pF	.07	.051	.046	.042	.037
M1M2R71E222MA01	GNM1M2R71E222MA01D	X7R	25	2200pF	.07	.051	.046	.042	.037
M1M2R71E472MA01	GNM1M2R71E472MA01D	X7R	25	4700pF	.07	.051	.046	.042	.037
M1M2R71E103MA01	GNM1M2R71E103MA01D	X7R	25	.01uF	.07	.051	.046	.042	.037
M1M2R71C223MA1D	GNM1M2R71C223MA01D	X7R	16	.022uF	.08	.052	.047	.043	.038
M1M2R71C473MA1D	GNM1M2R71C473MA01D	X7R	16	.047uF	.09	.056	.051	.046	.04
M1M2R61A104MA1D	GNM1M2R61A104MA01D	X5R	10	0.1uF	.09	.056	.051	.046	.04
M1M2R60J105ME2D	GNM1M2R60J105ME12D	X5R	6.3	1.0uF	.14	.11	.098	.089	.078
M1M2R61A105ME4D	GNM1M2R61A105ME14D	X5R	10	1.0uF	.16	.13	.11	.10	.085
acitor Array 0805 Case									
M212R61A105MA13	GNM212R61A105MA13D	X5R	10	1.0uF	.16	.12	.11	.097	.085
M212R61C105MA16	GNM212R61C105MA16D	X5R	16	1.0uF	.18	.14	.13	.11	.10
M212R61A225ME16	GNM212R61A225ME16D	X5R	10	2.2uF	.22	.17	.15	.14	.12



Part Number	Dimensions (mm) L	W	a	b	c	p
GNM1M2	1.37	1.0	0.45 to 0.5	0.5 to 0.55	0.3 to 0.35	0.64±0.1
GNM212	2.0	1.25	0.6 to 0.7	0.5 to 0.7	0.4 to 0.5	1.0 ±0.1

pacitor Arrays

MOUSER STOCK NO.	Murata Part Number	Temp. Coef.	Volt	Value	Price Each 1	50	100	500	1000
acitor Array 0805 Case									
M214R71H102MA01	GNM214R71H102MA01D	X7R	50	1000pF	.10	.081	.074	.067	.059
M214R71E222MA01	GNM214R71E222MA01D	X7R	25	2200pF	.11	.086	.078	.071	.062
M214R71E472MA01	GNM214R71E472MA01D	X7R	25	4700pF	.11	.086	.078	.071	.062
M214R71E103MA1D	GNM214R71E103MA01D	X7R	25	.01uF	.11	.086	.078	.071	.062
M214R71C223MA01	GNM214R71C223MA01D	X7R	16	.022uF	.12	.089	.081	.074	.065
M214R71C473MA01	GNM214R71C473MA01D	X7R	16	.047uF	.12	.089	.081	.074	.065
M214R71C104MA1D	GNM214R71C104MA01D	X7R	16	0.1uF	.12	.089	.081	.074	.065
acitor Array 1206 Case									
M314R71H102KD01	GNM314R71H102KD01D	X7R	50	1000pF	.25	.19	.17	.15	.13
M314R71H222KD01	GNM314R71H222KD01D	X7R	50	2200pF	.25	.19	.17	.15	.13
M314R71H472KD01	GNM314R71H472KD01D	X7R	50	4700pF	.25	.19	.17	.15	.13
M314R71H103KD01	GNM314R71H103KD01D	X7R	50	.01uF	.25	.19	.17	.15	.13
M314R71C223KD01	GNM314R71C223KD01D	X7R	16	.022uF	.29	.22	.20	.18	.16
M314R71C473MA1D	GNM314R71C473MA01D	X7R	16	.047uF	.29	.22	.20	.18	.16
M314R71C104MA01	GNM314R71C104MA01D	X7R	16	0.1uF	.29	.22	.20	.18	.16

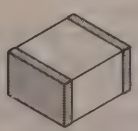


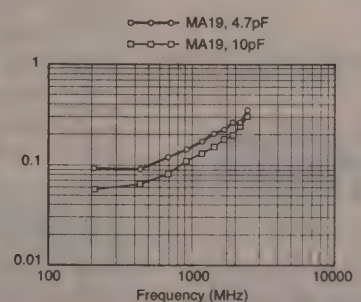
Part Number	Dimensions (mm) L	W	a	b	c	p
GNM214	2.0	1.25	0.6 to 0.7	0.5 to 0.7	0.25 to 0.35	0.6 ±0.05
GNM314	3.2	1.6	0.8 to 1.0	0.7 to 0.9	0.3 to 0.4	0.8 ±0.05

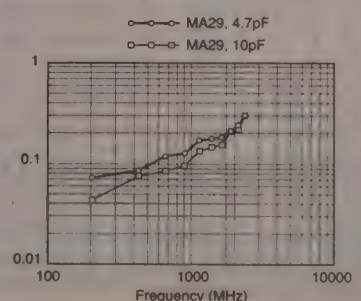
ATA MA SERIES HI-Q CHIP CAPACITORS

MOUSER STOCK NO.	Murata Part Number	Case Size	Volt	Value (pF)	Tolerance	Price Each 1	10	50	100
191R0CAN	MA191R0CAN	0505	150	1.0	±.25pF	1.99	1.09	.89	.67
191R5CAN	MA191R5CAN	0505	150	1.5	±.25pF	1.99	1.09	.89	.67
192R2CAN	MA192R2CAN	0505	150	2.2	±.25pF	1.99	1.09	.89	.67
193R3CAN	MA193R3CAN	0505	150	3.3	±.25pF	1.99	1.09	.89	.67
194R7CAN	MA194R7CAN	0505	150	4.7	±.25pF	1.99	1.09	.89	.67
195R1CAN	MA195R1CAN	0505	150	5.1	±.25pF	1.99	1.09	.89	.67
196R8JAN	MA196R8JAN	0505	150	6.8	±5%	2.05	1.15	.99	.75
198R2JAN	MA198R2JAN	0505	150	8.2	±5%	2.05	1.15	.99	.75
'9100JAN	MA19100JAN	0505	150	10	±5%	2.05	1.15	.99	.75
9150JAN	MA19150JAN	0505	150	15	±5%	2.05	1.15	.99	.75
9220JAN	MA19220JAN	0505	150	22	±5%	2.05	1.15	.99	.75
9330JAN	MA19330JAN	0505	150	33	±5%	2.05	1.15	.99	.75
9470JAN	MA19470JAN	0505	150	47	±5%	2.05	1.15	.99	.75
9510JAN	MA19510JAN	0505	150	51	±5%	2.05	1.15	.99	.75
9680JAN	MA19680JAN	0505	150	68	±5%	2.05	1.15	.99	.75
9820JAN	MA19820JAN	0505	150	82	±5%	2.12	1.20	1.05	.79
9101JAN	MA19101JAN	0505	150	100	±5%	2.25	1.25	1.09	.85
9681JAN	MA29681JAN	1111	50	680	±5%	2.99	1.99	1.54	1.25
9821JAN	MA29821JAN	1111	50	820	±5%	2.99	1.99	1.54	1.25
9102JAN	MA29102JAN	1111	50	1000	±5%	2.99	1.99	1.54	1.25
9511JAN	MA29511JAN	1111	100	510	±5%	2.99	1.99	1.54	1.25
9621JAN	MA29621JAN	1111	100	620	±5%	2.99	1.99	1.54	1.25
91R0CAN	MA291R0CAN	1111	500	1.0	±.25pF	2.32	1.29	1.15	.90
91R5CAN	MA291R5CAN	1111	500	1.5	±.25pF	2.32	1.29	1.15	.90
92R2CAN	MA292R2CAN	1111	500	2.2	±.25pF	2.32	1.29	1.15	.90
93R3CAN	MA293R3CAN	1111	500	3.3	±.25pF	2.32	1.29	1.15	.90
94R7CAN	MA294R7CAN	1111	500	4.7	±.25pF	2.32	1.29	1.15	.90
95R1CAN	MA295R1CAN	1111	500	5.1	±.25pF	2.32	1.29	1.15	.90
96R8CAN	MA296R8CAN	1111	500	6.8	±.25pF	2.32	1.29	1.15	.90
98R2CAN	MA298R2CAN	1111	500	8.2	±.25pF	2.32	1.29	1.15	.90
9100JAN	MA29100JAN	1111	500	10	±5%	2.32	1.29	1.15	.90
9150JAN	MA29150JAN	1111	500	15	±5%	2.49	1.33	1.19	.95
9220JAN	MA29220JAN	1111	500	22	±5%	2.49	1.33	1.19	.95
9330JAN	MA29330JAN	1111	500	33	±5%	2.49	1.33	1.19	.95
9470JAN	MA29470JAN	1111	500	47	±5%	2.49	1.33	1.19	.95
9510JAN	MA29510JAN	1111	500	51	±5%	2.49	1.33	1.19	.95
9680JAN	MA29680JAN	1111	500	68	±5%	2.49	1.33	1.19	.95
9820JAN	MA29820JAN	1111	500	82	±5%	2.49	1.33	1.19	.95
9101JAN	MA29101JAN	1111	500	100	±5%	2.49	1.33	1.19	.95

Specifications:
- Temperature Range: -55°C to +125°C
- Temperature Coefficient: P90
- Terminations: Palladium Silver covered by a Nickel interface and coated with Tin Plating.
- Very High Q at high frequencies.
- High RF Power capabilities.
- Impervious to environmental conditions.
- Low noise.







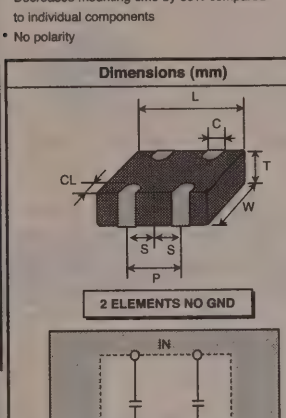
TDK Ceramic Capacitor Arrays

2 ELEMENT CAPACITOR ARRAYS

Features:

- Multiple capacitors (2) in one package
- Reduced space needed for equal capacity
- Unique electrode construction reduces crosstalk in RF applications
- Decreases mounting time by 50% compared to individual components
- No polarity

Dimensions (mm)



	CKCM25	CKCL22
L	1.37 ± 0.15	2.0 ± 0.15
W	1.0 ± 0.15	1.25 ± 0.15
T	0.66 max.	1.0 max.
C	0.36 ±0.1	0.45 ± 0.1
CL	0.20 ± 0,1	0.20 +0.2, -0.1
P	0.64 ± 0.1	1.0 ± 0.1
S	0.32 ± 0.1	0.32 ± 0.1

For quantities of 8000 and up, call for

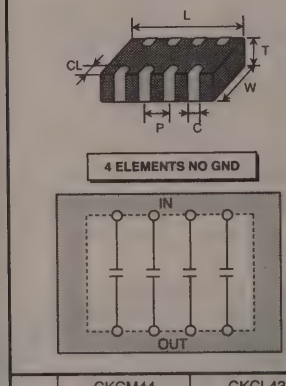
MOUSER STOCK NO.	TDK Part No.	Case Size	Temp. Coeff.	Volt (VDC)	Value (pF)	Tol. ±	Price Each 1	Price Each 100	Price Each 1000	Reel Qty.	Price Pk
810-CKCM25C0G1H100F	CKCM25C0G1H100F	0603	C0G	50	10	1.0pF	.25	.13	.073	4000	.0
810-CKCM25C0G1H150K	CKCM25C0G1H150K	0603	C0G	50	15	10%	.25	.13	.073	4000	.0
810-CKCM25C0G1H220K	CKCM25C0G1H220K	0603	C0G	50	22	10%	.25	.13	.073	4000	.0
810-CKCM25C0G1H330K	CKCM25C0G1H330K	0603	C0G	50	33	10%	.25	.13	.073	4000	.0
810-CKCM25C0G1H470K	CKCM25C0G1H470K	0603	C0G	50	47	10%	.25	.13	.073	4000	.0
810-CKCM25C0G1H680K	CKCM25C0G1H680K	0603	C0G	50	68	10%	.25	.13	.073	4000	.0
810-CKCM25C0G1H101K	CKCM25C0G1H101K	0603	C0G	50	100	10%	.25	.13	.073	4000	.0
810-CKCM25X7R1H102M	CKCM25X7R1H102M	0603	X7R	50	1000	20%	.25	.13	.073	4000	.0
810-CKCM25X7R1H222M	CKCM25X7R1H222M	0603	X7R	50	2200	20%	.25	.13	.073	4000	.0
810-CKCM25X7R1E472M	CKCM25X7R1E472M	0603	X7R	25	4700	20%	.25	.13	.073	4000	.0
810-CKCM25X7R1C103M	CKCM25X7R1C103M	0603	X7R	16	.01μF	20%	.25	.13	.073	4000	.0
810-CKCM25X5R1A223M	CKCM25X5R1A223M	0603	X5R	10	.022μF	20%	.29	.15	.085	4000	.0
810-CKCM25X5R1A473M	CKCM25X5R1A473M	0603	X5R	10	.047μF	20%	.29	.15	.085	4000	.0
810-CKCM25X5R0J104M	CKCM25X5R0J104M	0603	X5R	6.3	.1μF	20%	.29	.15	.085	4000	.0
810-CKCM25X5R0J224M	CKCM25X5R0J224M	0603	X5R	6.3	.22μF	20%	.45	.23	.13	4000	.1
810-CKCM25X5R0J474M	CKCM25X5R0J474M	0603	X5R	6.3	.47μF	20%	.45	.23	.13	4000	.1
810-CKCM25X5R0J105M	CKCM25X5R0J105M	0603	X5R	6.3	1.0μF	20%	.45	.23	.13	4000	.1
810-CKCL22C0G1H100F	CKCL22C0G1H100F	0805	C0G	50	10	1.0pF	.35	.18	.10	4000	.0
810-CKCL22C0G1H150K	CKCL22C0G1H150K	0805	C0G	50	15	10%	.35	.18	.10	4000	.0
810-CKCL22C0G1H220K	CKCL22C0G1H220K	0805	C0G	50	22	10%	.35	.18	.10	4000	.0
810-CKCL22C0G1H330K	CKCL22C0G1H330K	0805	C0G	50	33	10%	.35	.18	.10	4000	.0
810-CKCL22C0G1H470K	CKCL22C0G1H470K	0805	C0G	50	47	10%	.35	.18	.10	4000	.0
810-CKCL22C0G1H680K	CKCL22C0G1H680K	0805	C0G	50	68	10%	.35	.18	.10	4000	.0
810-CKCL22C0G1H101K	CKCL22C0G1H101K	0805	C0G	50	100	10%	.35	.18	.10	4000	.0
810-CKCL22C0G1H151K	CKCL22C0G1H151K	0805	C0G	50	150	10%	.39	.20	.11	4000	.1
810-CKCL22C0G1H221K	CKCL22C0G1H221K	0805	C0G	50	220	10%	.39	.20	.11	4000	.1
810-CKCL22C0G1H331K	CKCL22C0G1H331K	0805	C0G	50	330	10%	.43	.22	.12	4000	.1
810-CKCL22C0G1H471K	CKCL22C0G1H471K	0805	C0G	50	470	10%	.43	.22	.12	4000	.1
810-CKCL22X7R1H102M	CKCL22X7R1H102M	0805	X7R	50	1000	20%	.35	.18	.10	4000	.0
810-CKCL22X7R1H222M	CKCL22X7R1H222M	0805	X7R	50	2200	20%	.35	.18	.10	4000	.0
810-CKCL22X7R1H472M	CKCL22X7R1H472M	0805	X7R	50	4700	20%	.35	.18	.10	4000	.0
810-CKCL22X7R1H103M	CKCL22X7R1H103M	0805	X7R	50	.01μF	20%	.35	.18	.10	4000	.0
810-CKCL22X7R1E223M	CKCL22X7R1E223M	0805	X7R	25	.022μF	20%	.35	.18	.10	4000	.0
810-CKCL22X7R1E473M	CKCL22X7R1E473M	0805	X7R	25	.047μF	20%	.39	.20	.11	4000	.1
810-CKCL22X7R1C104M	CKCL22X7R1C104M	0805	X7R	16	.1μF	20%	.39	.20	.11	4000	.1
810-CKCL22X5R1A224M	CKCL22X5R1A224M	0805	X5R	10	.22μF	20%	.45	.23	.13	4000	.1
810-CKCL22X5R0J474M	CKCL22X5R0J474M	0805	X5R	6.3	.47μF	20%	.45	.23	.13	4000	.1
810-CKCL22X5R0J105M	CKCL22X5R0J105M	0805	X5R	6.3	1.0μF	20%	.49	.25	.14	4000	.1

4 ELEMENT CAPACITOR ARRAYS

Features:

- Multiple capacitors (4) in one package
- Highly effective in EMC countermeasure applications
- Unique electrode construction reduces crosstalk in RF applications
- Decreases mounting time by 75% compared to individual components
- No polarity

Dimensions (mm)



	CKCM44	CKCL43
L	2.00 ± 0.15	3.20 ± 0.20
W	1.25 ± 0.15	1.60 ± 0.20
T	1.00 max.	1.10 max.
P	0.50 ±0.10	0.80 +0.20, -0.10
C	0.25 ± 0.10	0.40 +0.20, -0.10
CL	0.10 ~ 0.10	0.15 ~ 0.40

For quantities of 8000 and up, call fo

MOUSER STOCK NO.	TDK Part No.	Case Size	Temp. Coeff.	Volt (VDC)	Value (pF)	Tol. ±	Price Each 1	Price Each 100	Price Each 1000	Reel Qty.	Pric P
810-CKCL44C0G1H100F	CKCL44C0G1H100F	0805	C0G	50	10	1.0pF	.36	.17	.095	4000	.
810-CKCL44C0G1H150K	CKCL44C0G1H150K	0805	C0G	50	15	10%	.36	.17	.095	4000	.
810-CKCL44C0G1H220K	CKCL44C0G1H220K	0805	C0G	50	22	10%	.36	.17	.095	4000	.
810-CKCL44C0G1H330K	CKCL44C0G1H330K	0805	C0G	50	33	10%	.36	.17	.095	4000	.
810-CKCL44C0G1H470K	CKCL44C0G1H470K	0805	C0G	50	47	10%	.36	.17	.095	4000	.
810-CKCL44C0G1H680K	CKCL44C0G1H680K	0805	C0G	50	68	10%	.36	.17	.095	4000	.
810-CKCL44C0G1H101K	CKCL44C0G1H101K	0805	C0G	50	100	10%	.36	.17	.095	4000	.
810-CKCL44C0G1H151K	CKCL44C0G1H151K	0805	C0G	50	150	20%	.36	.17	.095	4000	.
810-CKCL44X7R1H221M	CKCL44X7R1H221M	0805	X7R	50	220	20%	.36	.17	.095	4000	.
810-CKCL44X7R1H471M	CKCL44X7R1H471M	0805	X7R	50	470	20%	.36	.17	.095	4000	.
810-CKCL44X7R1H102M	CKCL44X7R1H102M	0805	X7R	50	1000	20%	.36	.17	.095	4000	.
810-CKCL44X7R1H222M	CKCL44X7R1H222M	0805	X7R	50	2200	20%	.36	.17	.095	4000	.
810-CKCL44X7R1H472M	CKCL44X7R1H472M	0805	X7R	50	4700	20%	.36	.17	.095	4000	.
810-CKCL44X7R1E103M	CKCL44X7R1E103M	0805	X7R	25	.01μF	20%	.36	.17	.095	4000	.
810-CKCL44X7R1C223M	CKCL44X7R1C223M	0805	X7R	16	.022μF	20%	.40	.19	.11	4000	.
810-CKCL44X5R1A473M	CKCL44X5R1A473M	0805	X5R	10	.047μF	20%	.40	.19	.11	4000	.
810-CKCL44X5R0J104M	CKCL44X5R0J104M	0805	X5R	6.3	.1μF	20%	.46	.22	.12	4000	.

For quantities of 8000 and up, call fo

MOUSER STOCK NO.	TDK Part No.	Case Size	Temp. Coeff.	Volt (VDC)	Value (pF)	Tol. ±	Price Each 1	Price Each 100	Price Each 1000	Reel Qty.	Pri P
810-CKCA43C0G1H100F	CKCA43C0G1H100F	1206	C0G	50	10	1.0pF	.22	.17	.12	2000	.
810-CKCA43C0G1H150K	CKCA43C0G1H150K	1206	C0G	50	15	10%	.22	.17	.12	2000	.
810-CKCA43C0G1H220K	CKCA43C0G1H220K	1206	C0G	50	22	10%	.22	.17	.12	2000	.
810-CKCA43C0G1H330K	CKCA43C0G1H330K	1206	C0G	50	33	10%	.22	.17	.12	2000	.
810-CKCA43C0G1H470K	CKCA43C0G1H470K	1206	C0G	50	47	10%	.22	.17	.12	2000	.
810-CKCA43C0G1H680K	CKCA43C0G1H680K	1206	C0G	50	68	10%	.22	.17	.12	2000	.
810-CKCA43C0G1H101K	CKCA43C0G1H101K	1206	C0G	50	100	10%	.22	.17	.12	2000	.
810-CKCA43C0G1H151K	CKCA43C0G1H151K	1206	C0G	50	150	10%	.22	.17	.12	2000	.
810-CKCA43C0G1H221K	CKCA43C0G1H221K	1206	C0G	50	220	10%	.22	.17	.12	2000	.
810-CKCA43C0G1H331K	CKCA43C0G1H331K	1206	C0G	50	330	10%	.24	.19	.13	2000	.
810-CKCA43C0G1H471K	CKCA43C0G1H471K	1206	C0G	50	470	10%	.24	.19	.13	2000	.
810-CKCA43X7R1H471M	CKCA43X7R1H471M	1206	X7R	50	470	20%	.22	.17	.12	2000	.
810-CKCA43X7R1H102M	CKCA43X7R1H102M	1206	X7R	50	1000	20%	.22	.17	.12	2000	.
810-CKCA43X7R1H222M	CKCA43X7R1H222M	1206	X7R	50	2200	20%	.22	.17	.12	2000	.
810-CKCA43X7R1H472M	CKCA43X7R1H472M	1206	X7R	50	4700	20%	.22	.17	.12	2000	.
810-CKCA43X7R1H103M	CKCA43X7R1H103M	1206	X7R	50	.01μF	20%	.22	.17	.12	2000	.
810-CKCA43X7R1H223M	CKCA43X7R1H223M	1206	X7R	50	.022μF	20%	.25	.20	.14	2000	.
810-CKCA43X7R1E473M	CKCA43X7R1E473M	1206	X7R	25	.047μF	20%	.25	.20	.14	2000	.
810-CKCA43X7R1C104M	CKCA43X7R1C104M	1206	X7R	16	.1μF	20%	.28	.21	.15	2000	.

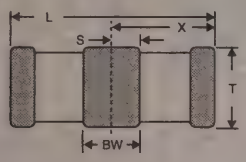
F / W3F SERIES FEEDTHRU 0805 / 1206 CAPACITORS

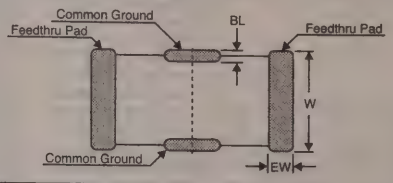
al Description:

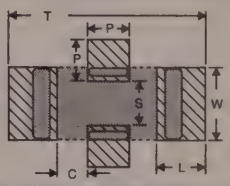
line of feedthru capacitors are ideal choices for EMI suppression, broadband I/O filtering, or Vcc power line conditioning.
nique construction of a feedthru capacitor provides low parallel inductance and offers excellent decoupling capability for all high di/dt
onments and provides significant noise reduction in digital circuits to <5GHz.

Specifications:

- Current Rating: 300mA
- Insulation Resistance: 1000MΩ
- DC Resistance: <0.6Ω
- Operating Temperature Range: -55°C to +125°C







Chip Dimensions mm (In)								Pad Layout Dimensions mm (In)					
L	W	T Max.	BW	BL	EW	X	S	T	P	S	W	L	C
2.01±0.20 (0.079±0.008)	1.25±0.20 (0.049±0.008)	1.14 (0.045)	0.46±0.10 (0.018±0.004)	0.18 +0.25 -0.08 (0.007 +0.010 -0.003)	0.25±0.13 (0.010±0.005)	1.02±0.10 (0.040±0.004)	0.23±0.15 (0.009±0.006)	3.45 (0.136)	0.51 (0.020)	0.76 (0.030)	1.27 (0.050)	1.02 (0.040)	0.46 (0.018)
3.20±0.20 (0.126±0.008)	1.60±0.20 (0.063±0.008)	1.27 (0.050)	0.89+0.10 (0.035±0.004)	0.18 +0.25 -0.08 (0.007 +0.010 -0.003)	0.38±0.18 (0.015±0.007)	1.60±0.10 (0.063±0.004)	0.46±0.15 (0.018±0.006)	4.54 (0.179)	0.94 (0.037)	1.02 (0.040)	1.65 (0.065)	1.09 (0.043)	0.71 (0.028)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Size	Dielectric	Value (pF)	Voltage	Tol. ±	Price Each 1	Price Each 25	Price Each 100	Reel Qty.	Price Each
V2F11A2208AT1F	W2F11A2208AT1F	0805	NP0	22	100V	+50%,-20%	1.07	.71	.64	1000	.16
V2F11A4708AT1F	W2F11A4708AT1F	0805	NP0	47	100V	+50%,-20%	1.07	.71	.64	1000	.16
V2F11A1018AT1F	W2F11A1018AT1F	0805	NP0	100	100V	+50%,-20%	1.07	.71	.64	1000	.16
V2F11A2218AT1F	W2F11A2218AT1F	0805	NP0	220	100V	+50%,-20%	1.07	.71	.64	1000	.16
V2F11A4718AT1F	W2F11A4718AT1F	0805	NP0	470	100V	+50%,-20%	1.07	.71	.64	1000	.16
V2F15C1028AT1F	W2F15C1028AT1F	0805	X7R	1000	50V	+50%,-20%	1.12	.75	.67	1000	.17
V2F15C2228AT1F	W2F15C2228AT1F	0805	X7R	2200	50V	+50%,-20%	1.12	.75	.67	1000	.17
V2F15C4728AT1F	W2F15C4728AT1F	0805	X7R	4700	50V	+50%,-20%	1.12	.75	.67	1000	.17
V2F15C1038AT1F	W2F15C1038AT1F	0805	X7R	.01uF	50V	+50%,-20%	1.53	1.02	.92	1000	.23
V2F15C2238AT1F	W2F15C2238AT1F	0805	X7R	.022uF	50V	+50%,-20%	1.12	.75	.67	1000	.17
V2F15C4738AT1F	W2F15C4738AT1F	0805	X7R	.047uF	50V	+50%,-20%	1.12	.75	.67	1000	.17
V3F11A2208AT1F	W3F11A2208AT1F	1206	NP0	22	100V	+50%,-20%	1.11	.74	.66	1000	.17
V3F11A4708AT1F	W3F11A4708AT1F	1206	NP0	47	100V	+50%,-20%	1.11	.74	.66	1000	.17
V3F11A1018AT1F	W3F11A1018AT1F	1206	NP0	100	100V	+50%,-20%	1.11	.74	.66	1000	.17
V3F11A2218AT1F	W3F11A2218AT1F	1206	NP0	220	100V	+50%,-20%	1.11	.74	.66	1000	.17
V3F11A4718AT1F	W3F11A4718AT1F	1206	NP0	470	100V	+50%,-20%	1.11	.74	.66	1000	.17
V3F15C1028AT1F	W3F15C1028AT1F	1206	X7R	1000	50V	+50%,-20%	1.16	.77	.69	1000	.19
V3F15C2228AT1F	W3F15C2228AT1F	1206	X7R	2200	50V	+50%,-20%	1.16	.77	.69	1000	.19
V3F15C4728AT1F	W3F15C4728AT1F	1206	X7R	4700	50V	+50%,-20%	1.58	1.05	.95	1000	.24
V3F15C1038AT1F	W3F15C1038AT1F	1206	X7R	.01uF	50V	+50%,-20%	1.58	1.05	.95	1000	.24
V3F15C2238AT1F	W3F15C2238AT1F	1206	X7R	.022uF	50V	+50%,-20%	1.16	.77	.69	1000	.19
V3F15C4738AT1F	W3F15C4738AT1F	1206	X7R	.047uF	50V	+50%,-20%	1.58	1.05	.95	1000	.24

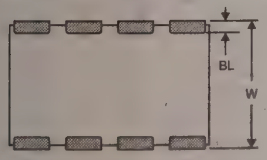
/ INDUCTANCE CAPACITORS - 0612 / 0508 IDC (INTERDIGITATED CAPACITORS)

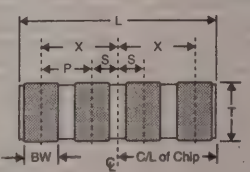
al Description:

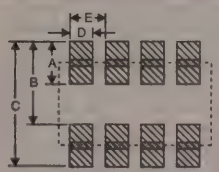
ow equivalent series inductance (ESL), surface mountable, high speed decoupling capacitor in 0612
508 case size.
ured inductances of 120pH (for 0612) and 95pH (for 0508) are the lowest in the FR4 mountable device family.
sing current flow creates opposing magnetic fields. This causes the fields to cancel, effectively reducing the
alent series inductance.
ct solution for decoupling high speed microprocessors by allowing the engineers to lower the power delivery
ance of the entire system through the use of eight vias.
ll reduction in decoupling components due to very low series inductance and high capacitance.

Specifications:

- Capacitance Tolerance: ±20% Preferred (10% Available)
- Operating Temperature Range: X7R= -55°C to +125°C, X5R= -55°C to +85°C
- Temperature Coefficient: ±15% (0VDC)
- Voltage Ratings: 4, 6.3, 10, and 16 VDC
- Dissipation Factor: 4V, 6.3V = 6.5% max; 10V = 5.0% max; 16V = 3.5% max
- Insulation Resistance (@ +25°C, RVDC): 100,000MΩ min, or 1,000MΩ per μF min., whichever is less
- Dielectric Strength: No problems observed after 2.5 x RVDC for 5 seconds at 50mA max current
- CTE (ppm/C): 12.0
- Thermal Conductivity: 4-5W/M K
- Terminations Available: Plated nickel and solder
- Maximum Thickness: 0.037" (0.95 mm)





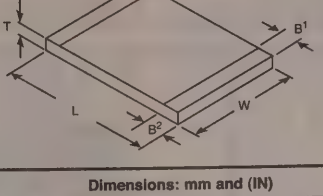


Chip Dimensions mm (In)								Pad Layout Dimensions mm (In)				
L	W	T Max.	BW	BL	P	X	S	A	B	C	D	E
3.20±0.20 (0.126±0.008)	1.60±0.20 (0.063±0.008)	1.22 (0.048)	0.41±0.10 (0.016±0.004)	0.18 +0.25 -0.08 (0.007 +0.010 -0.003)	0.76 Ref. (0.030 Ref.)	1.14±0.10 (0.045±0.004)	0.38±0.10 (0.015±0.004)	0.89 (0.035)	1.65 (0.065)	2.54 (0.100)	0.46 (0.018)	0.76 (0.030)
2.03±0.20 (0.080±0.008)	1.27±0.20 (0.050±0.008)	0.965 (0.038)	0.254±0.10 (0.010±0.004)	0.18 +0.25 -0.08 (0.007 +0.010 -0.003)	0.508 Ref. (0.020 Ref.)	0.76±0.10 (0.030±0.004)	0.254±0.10 (0.010±0.004)	0.64 (0.025)	1.27 (0.050)	1.91 (0.075)	0.28 (0.011)	0.51 (0.020)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Size	Dielectric	Value (μF)	Voltage	Tol. ±	Price Each 1	Price Each 25	Price Each 100	Price Each 500	Reel Qty.	Price Each
V2L1ZC104MAT1S	W2L1ZC104MAT1S	0508	X7R	.1	10V	20%	3.63	3.00	2.15	1.24	4,000	.59
V2L1YC104MAT1A	W2L1YC104MAT1A	0508	X7R	.1	16V	20%	3.63	3.00	2.15	1.24	4,000	.59
V2L1ZC474MAT1A	W2L1ZC474MAT1A	0508	X7R	.47	10V	20%	3.85	3.25	2.28	1.32	4,000	.63
V2L1ZD474MAT1S	W2L1ZD474MAT1S	0508	X5R	.47	10V	20%	3.85	3.25	2.28	1.32	4,000	.63
V2L14C105MAT1A	W2L14C105MAT1A	0508	X7R	1.0	4.0V	20%	4.40	3.00	2.60	1.50	4,000	.72
V2L16D105MAT1A	W2L16D105MAT1A	0508	X5R	1.0	6.3V	20%	4.40	3.00	2.60	1.50	4,000	.72
V2L14D155MAT1A	W2L14D155MAT1A	0508	X5R	1.5	4.0V	20%	3.85	3.25	2.28	1.32	4,000	.63
V3L1YC474MAT1A	W3L1YC474MAT1A	0612	X7R	.47	16V	20%	4.09	3.10	2.42	1.40	4,000	.66
V3L1ZC105MAT1A	W3L1ZC105MAT1A	0612	X7R	1.0	10V	20%	4.62	3.45	2.73	1.58	4,000	.75
V3L14C225MAT1A	W3L14C225MAT1A	0612	X7R	2.2	4.0V	20%	4.95	3.70	2.93	1.69	2,000	.81
V3L16D225MAT1A	W3L16D225MAT1A	0612	X5R	2.2	6.3V	20%	4.95	3.70	2.93	1.69	4,000	.81
V3L14D335MAT1A	W3L14D335MAT1A	0612	X5R	3.3	4.0V	20%	4.95	3.70	2.93	1.69	4,000	.81

AVX 0201, 0402, 0603, 0805 Capacitors



Dimensions: mm and (IN)

	0201*	0402*	0603*	0805*
L	0.60 ± 0.05 (.023 ± .002)	1.00 ± 0.1 (.039 ± .004)	1.60 ± 0.1 (.063 ± .004)	2.01 ± 0.1 (.079 ± .004)
W	0.35 ± 0.050 (.0128 ± .002)	0.55 ± 0.07 (.022 ± .003)	0.81 ± 0.1 (.032 ± .004)	1.27 ± 0.1 (.050 ± .004)
T	0.225 ± 0.050 (.009 ± .002)	0.40 ± 0.1 (.016 ± .004)	0.63 ± 0.1 (.025 ± .004)	0.93 ± 0.2 (.036 ± .008)
B^1	.10 ± 0.10 (.004 ± .004)	.00 ± 0.1/-D (.000± .004/-0)	0.35 ± 0.15 (.014 ± .006)	0.30 ± 0.1 (.012 ± .004)
B^2	0.15 ± 0.05 (.006 ± .002)	0.20 ± 0.1 (.008 ± .004)	0.35 ± 0.15 (.014 ± .006)	0.30 ± 0.1 (.012 ± .004)

* Mount black side up.

AVX ACCU-P® THIN-FILM RF / MICROWAVE CAPACITORS

Features:

- Minimal batch to batch variability of parameters at high frequency.
- Low ESR, High Q, Low Capacitance
- Inspected, test and quality control procedures in accordance with ISO 9001, CECC, IECQ, USA MIL Standards guarantee product of the highest quality.
- Preferred device in R & D labs and productions environment where hand soldering is used.

Electrical Specifications:

- Temperature range: -55°C to +125°C
- Temperature Coef.: 0 ±30ppm/°C dielectric code "J"
- Cap. measurement: 1Mhz, 1 Vrms
- Insulation resistance: $\geq 10^{11}$ Ohms (≥10^{10} Ohms for 0201 and 0402 size)
- Proof voltage: 2.5 U_R for 5 secs.
- Aging Characteristics: Zero
- Dielectric Absorbtion: 0.01%

Applications:

- Cellular Communications
- CT2/PCN
- Satellite, Cable TV
- RF Amplifiers
- GPS
- Vehicle Location Systems
- Vehicle Alarm Systems
- Paging
- Military Communications
- Radar Systems
- Video Switching
- Test and Measurements
- Filters
- VCO's
- Matching Networks
- RF Amplifiers

Style 0201

- Temperature Coefficient: C0G

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each 1	100	500	Reel Qty.	Piece Price
581-02013J0R8BBW	02013J0R8BBWTR	0.8	25	0.1	.42	.39	.36	5000	.30
581-02013J0R9BBW	02013J0R9BBWTR	0.9	25	0.1	.42	.39	.36	5000	.30
581-02013J1R8BBW	02013J1R8BBWTR	1.8	25	0.1	.42	.39	.36	5000	.30
581-02013J2R0BBW	02013J2R0BBWTR	2	25	0.1	.42	.39	.36	5000	.30
581-02013J2R2BBW	02013J2R2BBWTR	2.2	25	0.1	.42	.39	.36	5000	.30
581-02013J2R4BBW	02013J2R4BBWTR	2.4	25	0.1	.42	.39	.36	5000	.30
581-02013J2R7BBW	02013J2R7BBWTR	2.7	25	0.1	.42	.39	.36	5000	.30

Style 0402

- Temperature Coefficient: C0G

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each 1	100	500	Reel Qty.	Piece Price
581-04023J1R0BBW	04023J1R0BBWTR	1	25	0.1	.50	.40	.35	5000	.29
581-04023J1R5BBW	04023J1R5BBWTR	1.5	25	0.1	.50	.40	.35	5000	.29
581-04023J1R6BBW	04023J1R6BBWTR	1.6	25	0.1	.50	.40	.35	5000	.29
581-04023J1R8BBW	04023J1R8BBWTR	1.8	25	0.1	.50	.40	.35	5000	.29
581-04023J2R2BBW	04023J2R2BBWTR	2.2	25	0.1	.50	.40	.35	5000	.29
581-0402ZJ2R8CBW	0402ZJ2R8CBWTR	2.8	10	0.25	1.12	.98	.84	5000	.42
581-04023J3R0BBW	04023J3R0BBWTR	3	25	0.1	.50	.40	.35	5000	.29
581-04023J3R3BBW	04023J3R3BBWTR	3.3	25	0.1	.50	.40	.35	5000	.29
581-0402YJ3R6BBW	0402YJ3R6BBWTR	3.6	25	0.1	1.60	1.40	1.20	5000	.60
581-04023J3R9BBW	04023J3R9BBWTR	3.9	25	0.1	.50	.40	.35	5000	.29
581-0402YJ3R9BBW	0402YJ3R9BBWTR	3.9	16	0.1	1.60	1.40	1.20	5000	.60
581-0402ZJ4R3CBW	0402ZJ4R3CBWTR	4.3	10	0.25	.35	.28	.25	5000	.20
581-04023J4R7BBW	04023J4R7BBWTR	4.7	25	0.1	.50	.40	.35	5000	.29
581-0402ZJ4R7CBW	0402ZJ4R7CBWTR	4.7	10	0.25	.35	.28	.25	5000	.20
581-04023J5R6BBW	04023J5R6BBWTR	5.6	25	0.1	.50	.40	.35	5000	.29
581-04023J6R8BBW	04023J6R8BBWTR	6.8	25	0.1	.50	.40	.35	5000	.29
581-04023J7R5BBW	04023J7R5BBWTR	7.5	25	0.1	1.60	1.40	1.20	5000	.60
581-0402ZJ8R2BBW	0402ZJ8R2BBWTR	8.2	10	0.1	.50	.40	.35	5000	.29
581-0402YJ100FBW	0402YJ100FBWTR	10	16	1	2.48	2.17	1.86	5000	.93
581-0402ZJ120FBW	0402ZJ120FBWTR	12	10	1%	.78	.62	.54	5000	.45
581-0402ZJ180FBW	0402ZJ180FBWTR	18	10	1	2.48	2.17	1.86	5000	.93

Style 0603

- Temperature Coefficient: C0G

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Volt. (DC)	Cap. (pF)	Tol. (pF)	Price Each 1	100	500	Reel Qty.	Piece Price
581-06035J0R2ABT	06035J0R2ABTTR	0.2	50	0.05	.80	.64	.56	3000	.48
581-06035J0R2BBT	06035J0R2BBTTR	0.2	50	0.1	.63	.50	.44	3000	.38
581-06031J0R3ABT	06031J0R3ABTTR	0.3	100	0.05	.80	.64	.56	3000	.48
581-06035J0R3BBT	06035J0R3BBTTR	0.3	50	0.1	.63	.50	.44	3000	.38

Style 0603 (cont.)

For quantities of 10,000 and up, call for

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each 1	100	500	Reel Qty.	P
581-06035J0R3PBT	06035J0R3PBTTR	0.3	50	0.02	1.12	1.04	.95	3000	
581-06035J0R4BBT	06035J0R4BBTTR	0.4	50	0.1	.63	.50	.44	3000	
581-06035J0R5BBT	06035J0R5BBTTR	0.5	50	0.1	.63	.50	.44	3000	
581-06035J0R7PBT	06035J0R7PBTTR	0.7	50	0.02	1.12	1.04	.95	3000	
581-06035J0R7BBT	06035J0R7BBTTR	0.7	50	0.1	.64	.58	.52	3000	
581-06035J0R8BBT	06035J0R8BBTTR	0.8	50	0.1	.63	.50	.44	3000	
581-06035J0R9PBT	06035J0R9PBTTR	0.9	50	0.02	1.12	1.04	.95	3000	
581-06035J1R0BBT	06035J1R0BBTTR	1	50	0.1	.63	.50	.44	3000	
581-06035J1R0PBT	06035J1R0PBTTR	1	50	0.02	1.12	1.04	.95	3000	
581-06035J1R1BBT	06035J1R1BBTTR	1.1	50	0.1	.63	.50	.44	3000	
581-06035J1R2PBT	06035J1R2PBTTR	1.2	50	0.02	1.12	1.04	.95	3000	
581-06035J1R5BBT	06035J1R5BBTTR	1.5	50	0.1	.63	.50	.44	3000	
581-06035J1R6ABT	06035J1R6ABTTR	1.6	50	0.05	.80	.74	.67	3000	
581-06035J1R8BBT	06035J1R8BBTTR	1.8	50	0.1	.63	.50	.44	3000	
581-06035J1R8PBT	06035J1R8PBTTR	1.8	50	0.02	1.12	1.04	.95	3000	
581-06035J2R0ABT	06035J2R0ABTTR	2	50	0.05	.80	.74	.67	3000	
581-06035J2R0BBT	06035J2R0BBTTR	2	50	0.1	.63	.50	.44	3000	
581-06035J2R2ABT	06035J2R2ABTTR	2.2	50	0.05	.80	.64	.56	3000	
581-06035J2R2BBT	06035J2R2BBTTR	2.2	50	0.1	.63	.50	.44	3000	
581-06035J2R4BBT	06035J2R4BBTTR	2.4	50	0.1	.63	.50	.44	3000	
581-06035J2R7BBT	06035J2R7BBTTR	2.7	50	0.1	.63	.50	.44	3000	
581-06035J3R0ABT	06035J3R0ABTTR	3	50	0.05	.80	.64	.56	3000	
581-06035J3R0BBT	06035J3R0BBTTR	3	50	0.1	.63	.50	.44	3000	
581-06035J3R3ABT	06035J1R5BBTTR	3.3	50	0.05	.80	.64	.56	3000	
581-06035J3R3BBT	06035J3R3BBTTR	3.3	50	0.1	.63	.50	.44	3000	
581-06035J3R9BBT	06035J3R9BBTTR	3.9	50	0.1	.63	.50	.44	3000	
581-06035J4R3BBT	06035J4R3BBTTR	4.3	50	0.1	.63	.50	.44	3000	
581-06035J4R7BBT	06035J4R7BBTTR	4.7	50	0.1	.63	.50	.44	3000	
581-06035J4R7ABT	06035J4R7ABTTR	4.7	50	0.05	.80	.64	.56	3000	
581-06035J5R6BBT	06035J5R6BBTTR	5.6	50	0.1	.63	.50	.44	3000	
581-06035J6R8BBT	06035J6R8BBTTR	6.8	50	0.1	.63	.50	.44	3000	
581-06035J8R2BBT	06035J8R2BBTTR	8.2	50	0.1	.63	.50	.44	3000	
581-06035J100FBT	06035J100FBTTR	10	50	1%	.80	.64	.56	3000	
581-06033J100FBT	06033J100FBTTR	10	25	1%	.80	.64	.56	3000	
581-06035J120FBT	06035J120FBTTR	12	50	1%	.80	.64	.56	3000	
581-06033J130FBT	06033J130FBTTR	13	25	1%	.80	.64	.56	3000	
581-06033J160FBT	06033J160FBTTR	16	25	1%	.80	.64	.56	3000	

Style 0805

- Temperature Coefficient: C0G

For quantities of 10,000 and up, call fo

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each 1	100	500	Reel Qty.
581-08055J1R5BBT	08055J1R5BBTTR	1.5	50	0.1	1.18	.94	.82	3000
581-08055J1R8BBT	08055J1R8BBTTR	1.8	50	0.1	1.18	.94	.82	3000
581-08055J2R0BBT	08055J2R0BBTTR	2	50	0.1	1.18	.94	.82	3000
581-08051J2R2BBT	08051J2R2BBTTR	2.2	100	0.1	1.03	.82	.72	3000
581-08055J2R2BBT	08055J2R2BBTTR	2.2	50	0.1	1.18	.94	.82	3000
581-08055J2R7BBT	08055J2R7BBTTR	2.7	50	0.1	1.18	.94	.82	3000
581-08055J3R0BBT	08055J3R0BBTTR	3	50	0.1	1.18	.94	.82	3000
581-08051J3R3BBT	08051J3R3BBTTR	3.3	100	0.1	1.03	.82	.72	3000
581-08055J3R3ABT	08055J3R3ABTTR	3.3	50	0.05	1.18	.94	.82	3000
581-08051J3R9BBT	08051J3R9BBTTR	3.9	100	0.1	1.03	.82	.72	3000
581-08055J3R9BBT	08055J3R9BBTTR	3.9	50	0.1	1.18	.94	.82	3000
581-08051J4R7ABT	08051J4R7ABTTR	4.7	100	0.05	1.18	.94	.82	3000
581-08051J4R7BBT	08051J4R7BBTTR	4.7	100	0.1	1.03	.82	.72	3000
581-08051J5R6BBT	08051J5R6BBTTR	5.6	100	0.1	1.03	.82	.72	3000
581-08055J5R6BBT	08055J5R6BBTTR	5.6	50	0.1	1.18	.94	.82	3000
581-08051J6R2BBT	08051J6R2BBTTR	6.2	100	0.1	1.03	.82	.72	3000
581-08051J6R8ABT	08051J6R8ABTTR	6.8	100	0.05	1.18	.94	.82	3000
581-08055J6R8BBT	08055J6R8BBTTR	6.8	50	0.1	1.18	.94	.82	3000
581-08051J8R2BBT	08051J8R2BBTTR	8.2	100	0.1	1.03	.82	.72	3000
581-08051J100FBT	08051J100FBTTR	10	100	1	1.18	.94	.82	3000
581-08055J150FBT	08055J150FBTTR	15	50	1	1.18	.94	.82	3000
581-08055J220FBT	08055J220FBTTR	22	50	1	1.18	.94	.82	3000
581-08053J330FBT	08053J330FBTTR	33	25	1	1.18	.94	.82	3000
581-08055J470GBT	08055J470GBTTR	47	50	2	1.18	.94	.82	3000

AVX ACCU-F® THIN-FILM RF / MICROWAVE CAPACITOR

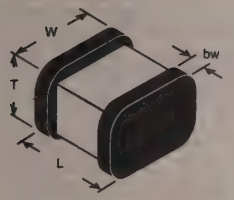
Accu-F® meets the fast-growing demand for low-loss (high-Q) capacitors for use in surface mount technology cially for the mobile communications market, such as cellular radio of 450 and 900 MHz, UHF walkie-talkies, cordless telephones to 2.3 GHz, low noise blocks at 11-12.5 GHz and for other VHF, UHF and microwave applications. Accu-F® is currently unique in its ability to offer very low capacitance values (0.1pF) and very tig capacitance tolerances (±0.05pF). Typically Accu-F® will be used in small signal applications in VCO's, match networks, filters, etc. Inspection test and quality control procedures in accordance with ISO 9001, CECC, IE USA MIL Standards yield products of the highest quality.

- Temperature Coefficient: C0G

For quantities of 10,000 and up, call

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each 1	100	500	Reel Qty.
581-06031J0R2AAW	06031J0R2AAWTR	0.2	100	0.05	.80	.64	.56	3000
581-06035K0R3AAW	06035K0R3AAWTR	0.3	50	0.05	.96	.88	.80	3000
581-06035J1R5AAW	06035J1R5AAWTR	1.5	50	0.05	.96	.88	.80	3000
581-06035J1R8AAW	06035J1R8AAWTR	1.8	50	0.05	.96	.88	.80	3000
581-06035J4R7AAW	06035J4R7AAWTR	4.7	50	0.05	.96	.88	.80	3000
581-06035J100GAW	06035J100GAWTR	10	50	2%	.69	.63	.58	3000
581-06035K100GAW	06035K100GAWTR	10	50	2%	.69	.63	.58	3000
581-06035J120FAW	06035J120FAWTR	12	50	1%	.87	.80	.73	3000
581-06035K150GAW	06035K150GAWTR	15	50	2%	.69	.63	.58	3000
581-06035K220GAW	06035K220GAWTR	22	50	2%	.69	.63	.58	3000

AVX SQ & AQ Series Microwave MLC's



Dimensions: mm and (IN)				
Case	Length (L)	Width (W)	Thickness (T)	Band Width (bw)
SQCA	.055 + .015 - .010 (1.40 + .381 - .254)	.055 ± .015 (1.40 ± .381)	.020/.057 (.508/1.45)	.010 + .010 - .005 (.254 + .254 - .127)
SQCB	.110 + .020 - .010 (2.79 + .889 - .254)	.110±.010 (2.79±.508)	.030/.102 (.762/2.59)	.015±.010 (.381±.254)
AQ12	.055 + .015 - .010 (1.40 + .381 - .256)	.055 ± .015 (1.40 ± .381)	.020/.057 (.508/1.45)	.010 + .010 - .005 (.254 = .254 - .127)
AQ14	.110 + .020 - .010 (2.79 + .889 - .508)	.110 ± .010 (2.79 ± .508)	.030/.102 (.762/2.59)	.015 ± .010 (.381 ± .254)

SQ SERIES

These porcelain and ceramic dielectric multilayer capacitor (MLC) chips are best suited for RF/Microwave applications typically ranging from 10MHz to 4.2GHz. Characteristic is a fine grained, high density, high purity dielectric material impervious to moisture with heavy internal palladium electrodes.

SQCA

For quantities of 2000 and up, call for quote.

USER STOCK NO. / Mfr. Part Number	Value (pF)	Volt	Tol. (pF)	Temp Coef.	Price Each 1	50	100	500	1000
SQCAEM0R1BAJME	0.1	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM0R2BAJME	0.2	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM0R4BAJME	0.4	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM0R5BAJME	0.5	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM0R8BAJME	0.8	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM1R0BAJME	1	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM1R2BAJME	1.2	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM1R5BAJME	1.5	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM1R6BAJME	1.6	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM1R8BAJME	1.8	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM2R2BAJME	2.2	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM2R4BAJME	2.4	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM2R7BAJME	2.7	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM3R0BAJME	3	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM3R6BAJME	3.6	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM3R9BAJME	3.9	150	0.1	P90	2.21	1.96	1.47	1.23	.98
SQCAEM6R8BAJME	6.8	150	0.1	P90	3.38	3.00	2.25	1.88	1.50
SQCAEM100FAJME	10	150	1%	P90	3.87	3.44	2.58	2.15	1.72
SQCAEM470JAJME	47	150	5%	P90	2.25	2.00	1.50	1.25	1.00
SQCAEM560JAJME	56	150	5%	P90	2.25	2.00	1.50	1.25	1.00
SQCAEM910JAJME	91	150	5%	P90	2.25	2.00	1.50	1.25	1.00
SQCAEA101JAJME	100	150	5%	C0G	2.25	2.00	1.50	1.25	1.00
SQCA5A102JAJME	1000	50	5%	C0G	2.84	2.52	1.89	1.58	1.26

These characterics lend well to applications requiring:

Specifications:

- High current carrying capabilities
- High quality factors
- Very low equivalent series resistance
- Very high series resonance
- Excellent stability under stresses of changing voltage, frequency, time and temperature
- Temperature Coefficient: (M) +90 ±20PPM°C, (A) ±30PPM°C

Style SQCB

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Value (pF)	Volt	Tol. (pF)	Temp Coef.	Price Each 1	50	100	500	1000
581—SQCB7M1R0BAJME	1	500	.1	M	1.22	1.12	1.02	.92	.82
581—SQCB7M2R7BAJME	2.7	500	.1	M	1.22	1.12	1.02	.92	.82
581—SQCB7M3R9BAJME	3.9	500	.1	M	1.22	1.12	1.02	.92	.82
581—SQCB7M4R7BAJME	4.7	500	.1	M	1.22	1.12	1.02	.92	.82
581—SQCB7M5R6BAJME	5.6	500	.1	M	1.22	1.12	1.02	.92	.82
581—SQCB7M6R8BAJME	6.8	500	.1	M	1.90	1.74	1.58	1.42	1.26
581—SQCB7M8R2BAJME	8.2	500	.1	M	1.90	1.74	1.58	1.42	1.26
581—SQCB7M100JAJME	10	500	5%	M	1.25	1.14	1.04	.94	.83
581—SQCB7M200JAJME	20	500	5%	M	1.25	1.14	1.04	.94	.83
581—SQCB7M270JAJME	27	500	5%	M	1.25	1.14	1.04	.94	.83
581—SQCB7M470JAJME	47	500	5%	M	1.25	1.14	1.04	.94	.83
581—SQCB7M560JAJME	56	500	5%	M	1.25	1.14	1.04	.94	.83
581—SQCB7M680JAJME	68	500	5%	M	1.25	1.14	1.04	.94	.83
581—SQCB7M820JAJME	82	500	5%	M	1.25	1.14	1.04	.94	.83
581—SQCB7M101JAJME	100	500	5%	M	1.25	1.14	1.04	.94	.83
581—SQCB2M391JAJME	390	200	5%	M	1.25	1.14	1.04	.94	.83
581—SQCB2M471JAJME	470	200	5%	M	1.25	1.14	1.04	.94	.83

AQ SERIES

orcelain and ceramic dielectric multilayer capacitor (MLC) chips are best suited for RF/Microwave
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material impervious to moisture with heavy internal palladium electrodes.

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igh series resonance

- Excellent stability under stresses of changing voltage, frequency, time and temperature
- Temperature Coefficient: (M) +90 ±20PPM°C, (A) ±30PPM°C

AQ12

For quantities of 2000 and up, call for quote.

USER STOCK NO. / Mfr. Part Number	Value (pF)	Volt	Tol. (pF)	Temp Coef.	Price Each 1	50	100	500	1000
AQ12EM0R5BAJME	0.5	150	0.1	M	1.23	.98	.86	.78	.74
AQ12EM0R8BAJME	0.8	150	0.1pF	M	1.23	.98	.86	.78	.74
AQ12EM1R0BAJME	1	150	0.1pF	M	1.23	.98	.86	.78	.74
AQ12EM1R2BAJME	1.2	150	0.1pF	M	1.23	.98	.86	.78	.74
AQ12EM1R5BAJME	1.5	150	0.1	M	1.23	.98	.86	.78	.74
AQ12EM1R8BAJME	1.8	150	0.1	M	1.23	.98	.86	.78	.74
AQ12EA1R8BAJME	1.8	150	0.1pF	A	1.23	.98	.86	.78	.74
AQ12EM2R0BAJME	2	150	0.1pF	M	1.23	.98	.86	.78	.74
AQ12EM2R2BAJME	2.2	150	0.1	M	1.23	.98	.86	.78	.74
AQ12EM2R2DAJME	2.2	150	0.5pF	M	1.23	.98	.86	.78	.74
AQ12EM2R7BAJME	2.7	150	0.1pF	M	1.23	.98	.86	.78	.74
AQ12EM3R3BAJME	3.3	150	0.1	M	1.23	.98	.86	.78	.74
AQ12EM3R9BAJME	3.9	150	0.1	M	1.23	.98	.86	.78	.74
AQ12EM4R7BAJME	4.7	150	0.1	M	1.23	.98	.86	.78	.74
AQ12EM5R1BAJME	5.1	150	0.1pF	M	1.23	.98	.86	.78	.74
AQ12EM5R6BAJME	5.6	150	0.1	M	1.23	.98	.86	.78	.74
AQ12EM6R8BAJME	6.8	150	0.1	M	1.88	1.50	1.31	1.20	1.13
AQ12EM7R5CAJME	7.5	150	0.25pF	M	2.52	2.21	1.89	1.58	1.42
AQ12EA8R2BAJME	8.2	150	0.1	A	1.88	1.50	1.31	1.20	1.13
AQ12EM100JAJME	10	150	5%	M	1.25	1.00	.88	.80	.75
AQ12EM100GAJME	10	150	2%	M	2.52	2.21	1.89	1.58	1.42
AQ12EM120JAJME	12	150	5%	M	1.25	1.00	.88	.80	.75
AQ12EM150JAJME	15	150	5%	M	1.25	1.00	.88	.80	.75
AQ12EM270JAJME	27	150	5%	M	1.25	1.00	.88	.80	.75
AQ12EM330JAJME	33	150	5%	M	1.25	1.00	.88	.80	.75
AQ12EM390JAJME	39	150	5%	M	1.25	1.00	.88	.80	.75
AQ12EM470JAJME	47	150	5%	M	1.25	1.00	.88	.80	.75
AQ12EM560JAJME	56	150	5%	M	1.25	1.00	.88	.80	.75
AQ12EM680JAJME	68	150	5%	M	1.25	1.00	.88	.80	.75
AQ12EM820JAJME	82	150	5%	M	1.25	1.00	.88	.80	.75
AQ12EM101GAJME	100	150	2%	M	1.73	1.38	1.21	1.10	1.04
AQ125A102KAJME	1000	50	10%	A	1.8	1.58	1.35	.72	.68
AQ125A102JAJME	1000	50	5%	A	2.52	2.21	1.89	1.58	1.42

Style AQ14

For quantities of 2000 and up, call for quote.

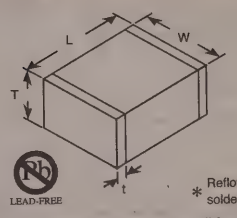
MOUSER STOCK NO. / Mfr. Part Number	Value (pF)	Volt	Tol. (pF)	Temp Coef.	Price Each 1	50	100	500	1000
581—AQ147M0R1BAJME	0.1	500	0.1	M	1.58	1.26	1.11	1.01	.95
581—AQ147M0R2BAJME	0.2	500	0.1	M	1.58	1.26	1.11	1.01	.95
581—AQ147M0R3BAJME	0.3	500	0.1	M	1.58	1.26	1.11	1.01	.95
581—AQ147M0R4BAJME	0.4	500	0.1	M	1.58	1.26	1.11	1.01	.95
581—AQ147M0R5BAJME	0.5	500	0.1	M	1.02	.82	.71	.65	.61
581—AQ147M0R6BAJME	0.6	500	0.1	M	1.58	1.26	1.11	1.01	.95
581—AQ147M0R7BAJME	0.7	500	0.1	M	1.58	1.26	1.11	1.01	.95
581—AQ147M0R8BAJME	0.8	500	0.1	M	1.58	1.26	1.11	1.01	.95
581—AQ147M0R9BAJME	0.9	500	0.1	M	1.58	1.26	1.11	1.01	.95
581—AQ147M1R0BAJME	1	500	0.1	M	1.02	.82	.71	.65	.61
581—AQ147M1R1BAJME	1.1	500	0.1	M	1.58	1.26	1.11	1.01	.95
581—AQ147M1R2BAJME	1.2	500	0.1	M	1.58	1.26	1.11	1.01	.95
581—AQ147M1R3BAJME	1.3	500	0.1	M	1.58	1.26	1.11	1.01	.95
581—AQ147M2R7BAJME	2.7	500	0.1	M	1.02	.82	.71	.65	.61
581—AQ147M3R9BAJME	3.9	500	0.1	M	1.02	.82	.71	.65	.61
581—AQ147M4R7BAJME	4.7	500	0.1	M	1.02	.82	.71	.65	.61
581—AQ147M5R6BAJME	5.6	500	0.1	M	1.02	.82	.71	.65	.61
581—AQ147M6R8BAJME	6.8	500	0.1	M	1.58	1.26	1.11	1.01	.95
581—AQ147M8R2BAJME	8.2	500	0.1	M	1.58	1.26	1.11	1.01	.95
581—AQ147M100JAJME	10	500	5%	M	1.04	.83	.73	.67	.62
581—AQ147M100FAJME	10	500	1%	M	2.88	2.52	2.16	1.98	1.80
581—AQ147M110GAJME	11	500	2%	M	2.88	2.52	2.16	1.98	1.80
581—AQ147M150FAJME	15	500	1%	M	2.88	2.52	2.16	1.98	1.80
581—AQ147M200JAJME	20	500	5%	M	1.04	.83	.73	.67	.62
581—AQ147M270JAJME	27	500	5%	M	1.04	.83	.73	.67	.62
581—AQ147M470JAJME	47	500	5%	M	1.04	.83	.73	.67	.62
581—AQ147A470JAJME	47	500	5%	A	1.30	1.04	.91	.83	.78
581—AQ147A510JAJME	51	500	5%	A	1.30	1.04	.91	.83	.78
581—AQ147M560JAJME	56	500	5%	M	1.04	.83	.73	.67	.62
581—AQ147M680JAJME	68	500	5%	M	1.04	.83	.73	.67	.62
581—AQ147M820JAJME	82	500	5%	M	1.04	.83	.73	.67	.62
581—AQ147M101JAJME	100	500	5%	M	1.04	.83	.73	.67	.62
581—AQ149A151FAJME	150	300	1%	A	2.88	2.52	2.16	1.98	1.80
581—AQ142M271JAJME	270	200	5%	M	1.04	.83	.73	.67	.62
581—AQ143M391JAJME	390	200	5%	M	1.04	.83	.73	.67	.62
581—AQ142A431KAJME	430	200	10%	A	1.30	1.04	.91	.83	.78
581—AQ142M471JAJME	470	200	5%	M	1.04	.83	.73	.67	.62
581—AQ14EM821JAJME	820	150	5%	M	1.04	.83	.73	.67	.62
581—AQ14EM102JAJME	1000	150	5%	M	1.04	.83	.73	.67	.62
581—AQ14EA102KAJME	1000	150	10%	A	1.04	.83	.73	.67	.62
581—AQ145A472JAJME	4700	50	5%	A	1.30	1.04	.91	.83	.78

COG Dielectric Performance Characteristics:

- Dissipation Factor : 0.1% max. (+25°C, 1.0 ± 0.2 Vrms, 1kHz, for ≤ 1000 pF use 1 MHz)
- Operating Temperature Range : -55°C to +125°C
- Temperature Characteristic : 0 ± 30 ppm/°C (0 VDC)
- Dielectric Strength: 120% rated voltage for 5 seconds at 50 mA max. current.

X7R Dielectric Performance Characteristics:

- Dissipation Factor : 2.5% max. (+25°C, 1.0 ± 0.2 Vrms, 1kHz)
- Operating Temperature Range : -55°C to +125°C
- Temperature Characteristic : 0 ± 30 ppm/°C (0 VDC)
- Dielectric Strength: 120% rated voltage for 5 seconds at 50 mA max. current.



* Reflow soldering only

AVX special high voltage MLC chip capacitors meet the performance characteristics and are designed for applicatio requiring High value, low leakage and small size. These high voltage chip designs exhibit low ESRs at high freque

Size	1206	1210	1808*	1812*	1825*	2225*
(L) Length	3.20 ± .20 (.126 ± .008)	3.20 ± .20 (.126 ± .008)	4.57 ± .25 (.180 ± .01)	4.50 ± .30 (.177 ± .012)	4.50 ± .30 (.177 ± .012)	5.72 ± .2 (.225 ± .0
(W) Width	1.60 ± .20 (.063 ± .008)	2.50 ± .20 (.098 ± .008)	2.03 ± .25 (.080 ± .01)	3.20 ± .20 (.126 ± .008)	6.40 ± .30 (.252 ± .012)	6.35 ± .2 (.250 ± .0
(T) Thickness Max.	1.52 (.06)	1.70 (.067)	2.03 (.080)	2.54 (.100)	2.54 (.100)	2.54 (.100)
(t) Terminal Min.	.25 (.01)	.25 (.01)	.25 (.01)	.25 (.01)	.25 (.01)	.25 (.01
Max.	.75 (.03)	.75 (.03)	1.02 (.04)	1.02 (.04)	1.02 (.04)	1.02 (.0

Style 1206

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (pF)	Volt	Tol. (%)	Price Each 1	100	500	Reel Qty	Price Per Piece
Temperature Coef: C0G									
581-1206AA220K	1206AA220KAT1A	22	1000	10%	.62	.54	.46	2000	.31
581-1206GA330K	1206GA330KAT1A	33	2000	10%	.62	.54	.46	2000	.31
581-1206SA390J	1206SA390JAT1A	39	1500	5%	1.03	.90	.77	2000	.52
581-1206AA470K	1206AA470KAT1A	47	1000	10%	.60	.53	.45	2000	.30
581-1206SA101J	1206SA101JAT1A	100	1500	5%	.72	.63	.54	2000	.36
581-1206AA221J	1206AA221JAT1A	220	1000	5%	.72	.63	.54	2000	.36
581-1206AA471J	1206AA471JAT1A	470	1000	5%	.72	.63	.54	2000	.36
Temperature Coef: X7R									
581-1206GC101K	1206GC101KAT1A	100	2000	10%	.60	.53	.45	2000	.30
581-1206GC221K	1206GC221KAT1A	220	2000	10%	.62	.54	.46	2000	.31
581-1206CC471K	1206CC471KAT1A	470	600	10%	.60	.52	.44	2000	.30
581-1206AC471K	1206AC471KAT1A	470	1000	10%	.62	.54	.46	2000	.31
581-1206SC471K	1206SC471KAT1A	470	1500	10%	.66	.58	.49	2000	.33
581-1206CC102K	1206CC102KAT1A	1000	600	10%	.60	.53	.45	2000	.30
581-1206AC102K	1206AC102KAT1A	1000	1000	10%	.60	.53	.45	2000	.30
581-1206GC102K	1206GC102KAT1A	1000	2000	10%	.66	.58	.49	2000	.33
581-1206SC122K	1206SC122KAT1A	1200	1500	10%	1.20	1.05	.90	2000	.60
581-1206AC222K	1206AC222KAT1A	2200	1000	10%	.60	.53	.45	2000	.30
581-1206AC392K	1206AC392KAT1A	3900	1000	10%	.60	.53	.45	2000	.30
581-1206AC472K	1206AC472KAT1A	4700	1000	10%	.60	.53	.45	2000	.30
581-1206CC103K	1206CC103KAT1A	0.01uF	600	10%	.60	.53	.45	2000	.30

Style 1210

For quantities of 4,000 and up, call for quote.

Temperature Coef: COG									
581-1210SA221K	1210SA221KAT1A	220	1500	10%	1.20	1.05	.90	2000	.60
581-1210AA331K	1210AA331KAT1A	330	1000	10%	.80	.70	.60	2000	.40
Temperature Coef: X7R									
581-1210GC821K	1210GC821KAT1A	820	2000	10%	.80	.70	.60	2000	.40
581-1210AC102K	1210AC102KAT1A	1000	1000	10%	.80	.70	.60	2000	.40
581-1210GC102K	1210GC102KAT1A	1000	2000	10%	.70	.60	.50	2000	.32
581-1210GC102M	1210GC102MAT1A	1000	2000	20%	.78	.69	.59	2000	.39
581-1210AC272K	1210AC272KAT1A	2700	1000	10%	.80	.70	.60	2000	.40
581-1210SC272K	1210SC272KAT1A	2700	1500	10%	.82	.72	.62	2000	.41
581-1210SC272M	1210SC272MAT1A	2700	1500	20%	.78	.69	.59	2000	.39
581-1210AC472K	1210AC472KAT1A	4700	1000	10%	.82	.72	.62	2000	.41
581-1210AC103K	1210AC103KAT1A	0.01uF	1000	10%	.80	.70	.60	2000	.40
581-1210CC223K	1210CC223KAT1A	0.022uF	600	10%	3.76	3.29	2.82	2000	1.88

Style 1808

For quantities of 4,000 and up, call for quote.

Temperature Coef: COG									
581-1808HA270K	1808HA270KAT1A	27	3000	10%	1.24	1.08	.93	2000	.62
581-1808AA300K	1808AA300KAT1A	30	1000	10%	1.20	1.05	.90	2000	.60
581-1808AA330K	1808AA330KAT1A	33	1000	10%	1.20	1.05	.90	2000	.60
581-1808HA330K	1808HA330KAT1A	33	3000	10%	1.20	1.05	.90	2000	.60
581-1808CA470M	1808CA470MAT1A	47	600	20%	1.18	1.03	.88	2000	.59
581-1808HA470K	1808HA470KAT1A	47	3000	10%	1.24	1.08	.93	2000	.62
581-1808AA680K	1808AA680KAT1A	68	1000	10%	1.14	1.00	.86	2000	.57
581-1808HA820K	1808HA820KAT1A	82	3000	10%	1.20	1.05	.90	2000	.60
581-1808AA101K	1808AA101KAT1A	100	1000	10%	1.44	1.26	1.08	2000	.72
581-1808GA221J	1808GA221JAT1A	220	2000	5%	1.48	1.30	1.11	2000	.74
581-1808AA331K	1808AA331KAT1A	330	1000	10%	1.24	1.08	.93	2000	.62
581-1808AA102K	1808AA102KAT1A	1000	1000	10%	1.24	1.08	.93	2000	.62
Temperature Coef: X7R									
581-1808HC330M	1808HC330MAT1A	33	3000	20%	1.18	1.03	.88	2000	.59
581-1808GC471K	1808GC471KAT1A	470	2000	10%	1.20	1.05	.90	2000	.60
581-1808AC102K	1808AC102KAT1A	1000	1000	10%	.35	.31	.26	2000	.18
581-1808GC102K	1808GC102KAT1A	1000	2000	10%	1.20	1.05	.90	2000	.60
581-1808GC102M	1808GC102MAT1A	1000	2000	20%	.40	.35	.30	2000	.20
581-1808HC102K	1808HC102KAT1A	1000	3000	10%	1.20	1.05	.90	2000	.60
581-1808WC122K	1808WC122KAT1A	1200	2500	10%	1.54	1.34	1.15	2000	.77
581-1808GC152M	1808GC152MAT1A	1500	2000	20%	1.18	1.03	.88	2000	.59
581-1808AC222K	1808AC222KAT1A	2200	1000	10%	1.24	1.08	.93	2000	.62
581-1808AC472K	1808AC472KAT1A	4700	1000	10%	1.20	1.05	.90	2000	.60
581-1808AC682K	1808AC682KAT1A	6800	1000	10%	1.24	1.08	.93	2000	.62
581-1808SC102K	1808SC102KAT1A	1000	1500	10%	1.20	1.05	.90	2000	.60
581-1808AC103K	1808AC103KAT1A	0.01uF	1000	10%	1.24	1.08	.93	2000	.62

Style 1812

For quantities of 2,000 and up, call for quote.

Temperature Coef: COG									
581-1812HA270K	1812HA270KAT1A	27	3000	10%	1.32	1.15	.99	1000	.82
581-1812HA470J	1812HA470JAT1A	47	3000	5%	1.58	1.39	1.19	1000	.99
581-1812GA560J	1812GA560JAT1A	56	2000	5%	1.28	1.12	.96	1000	.80
581-1812CA101K	1812CA101KAT1A	100	600	10%	1.32	1.15	.99	1000	.82
581-1812AA101J	1812AA101JAT1A	100	1000	5%	1.28	1.12	.96	1000	.80
581-1812HA101K	1812HA101KAT1A	100	3000	10%	1.54	1.34	1.15	1000	.96

Style 1812 (cont.)

For quantities of 2,000 and up, call for q

MOUSER STOCK NO.	AVX Part Number	Value (pF)	Volt	Tol. (%)	Price Each 1	100	500	Reel Qty	P P
Temperature Coef: C0G (cont.)									
581-1812GA151J	1812GA151JAT1A	150	2000	5%	1.54	1.34	1.15	1000	
581-1812AA221K	1812AA221KAT1A	220	1000	10%	1.32	1.15	.99	1000	
581-1812HA221J	1812HA221JAT1A	220	3000	5%	1.54	1.34	1.15	1000	
581-1812HA221K	1812HA221KAT1A	220	3000	10%	1.28	1.12	.96	1000	
581-1812GA331J	1812GA331JAT1A	330	2000	5%	1.54	1.34	1.15	1000	
581-1812AA471J	1812AA471JAT1A	470	1000	5%	1.54	1.34	1.15	1000	
581-1812GA471J	1812GA471JAT1A	470	2000	5%	.71	.62	.53	1000	
581-1812SA561K	1812SA561KAT1A	560	1500	10%	1.20	1.05	.90	1000	
581-1812AA821J	1812AA821JAT1A	820	1000	5%	1.60	1.40	1.20	1000	
581-1812AA102K	1812AA102KAT1A	1000	1000	10%	1.28	1.12	.96	1000	
Temperature Coef: X7R									
581-1812GC331M	1812GC331MAT1A	330	2000	20%	1.25	1.10	.94	1000	
581-1812HC102K	1812HC102KAT1A	1000	3000	10%	1.44	1.26	1.08	2000	
581-1812AC102K	1812AC102KAT1A	1000	1000	10%	1.28	1.12	.96	2000	
581-1812GC102K	1812GC102KAT1A	1000	2000	10%	1.28	1.12	.96	1000	
581-1812GC102M	1812GC102MAT1A	1000	2000	20%	1.22	1.06	.91	1000	
581-1812WC102K	1812WC102KAT1A	1000	2500	10%	1.32	1.15	.99	1000	
581-1812WC122M	1812WC122MAT1A	1200	2500	20%	1.68	1.47	1.26	1000	
581-1812GC272K	1812GC272KAT1A	2700	2000	10%	1.28	1.12	.96	1000	
581-1812GC332K	1812GC332KAT1A	3300	2000	10%	1.28	1.12	.96	1000	
581-1812AC472K	1812AC472KAT1A	4700	1000	10%	1.54	1.34	1.15	1000	
581-1812SC472K	1812SC472KAT1A	4700	1500	10%	1.32	1.15	.99	1000	
581-1812GC472K	1812GC472KAT1A	4700	2000	10%	3.12	2.73	2.34	1000	
581-1812AC502K	1812AC502KAT1A	5000	1000	10%	1.28	1.12	.96	1000	
581-1812SC562K	1812SC562KAT1A	5600	1500	10%	1.32	1.15	.99	1000	
581-1812CC103K	1812CC103KAT1A	0.01uF	600	10%	1.54	1.34	1.15	1000	
581-1812AC103J	1812AC103JAT1A	0.01uF	1000	5%	1.54	1.34	1.15	2000	
581-1812AC103M	1812AC103MAT1A	0.01uF	1000	20%	1.22	1.06	.91	1000	
581-1812AC203M	1812AC203MAT1A	0.02uF	1000	20%	1.22	1.06	.91	1000	
581-1812AC223K	1812AC223KAT1A	0.022UF	1000	10%	1.28	1.12	.96	1000	
581-1812AC223M	1812AC223MAT1A	0.022uF	1000	20%	1.28	1.12	.96	1000	
581-1812AC273K	1812AC273KAT1A	0.027uF	1000	10%	1.28	1.12	.96	1000	
581-1812AC273M	1812AC273MAT1A	0.027UF	1000	20%	1.25	1.10	.94	1000	
581-1812CC333K	1812CC333KAT1A	0.033UF	600	10%	1.46	1.27	1.09	1000	
581-1812CC473K	1812CC473KAT1A	0.047UF	600	10%	1.32	1.15	.99	1000	
581-1812CC683K	1812CC683KAT1A	0.068UF	600	10%	1.28	1.12	.96	1000	

Style 1825

For quantities of 2,000 and up, call for

Temperature Coef: COG									
581-1825GA331K	1825GA331KAT1A	330	2000	10%	1.73	1.52	1.30	1000	
581-1825HA471K	1825HA471KAT1A	470	3000	10%	2.02	1.76	1.51	1000	
581-1825HA681J	1825HA681JAT1A	680	3000	5%	2.02	1.76	1.51	1000	
581-1825GA102K	1825GA102KAT1A	1000	2000	10%	1.73	1.52	1.30	1000	
581-1825WA102J	1825WA102JAT1A	1000	2500	5%	2.02	1.76	1.51	1000	
581-1825WA102K	1825WA102KAT1A	1000	2500	10%	1.68	1.47	1.26	1000	
581-1825CA103K	1825CA103KAT1A	0.01uF	600	10%	1.68	1.47	1.26	1000	
581-1825AA332J	1825AA332JAT1A	3300	1000	5%	2.02	1.76	1.51	500	
581-1825AA472J	1825AA472JAT1A	4700	1000	5%	2.02	1.76	1.51	1000	
581-1825CA123K	1825CA123KAT1A	0.012uF	600	10%	1.68	1.47	1.26	1000	
Temperature Coef: X7R									
581-1825AC104K	1825AC104KAT1A	0.1uF	1000	10%	1.40	1.23	1.05	1000	
581-1825SC123K	1825SC123KAT1A	0.012uF	1500	10%	1.73	1.52	1.30	1000	
581-1825AC473K	1825AC473KAT1A	0.047uF	1000	10%	1.68	1.47	1.26	1000	
581-1825CC104K	1825CC104KAT1A	0.1uF	600	10%	1.68	1.47	1.26	1000	
581-1825CC154K	1825CC154KAT1A	0.15uF	600	10%	1.73	1.52	1.30	1000	
581-1825CC154M	1825CC154MAT1A	0.15uF	600	20%	1.60	1.40	1.20	1000	

Style 2225

For quantities of 2,000 and up, call fo

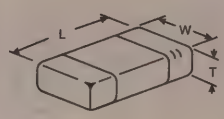
Temperature Coef: COG									
581-2225HA681K	2225HA681KAT1A	680	3000	10%	2.96	2.59	2.22	1000	
581-2225GA102K	2225GA102KAT1A	1000	2000	10%	3.22	2.81	2.41	1000	
581-2225AA472M	2225AA472MAT1A	4700	1000	20%	3.12	2.73	2.34	500	
581-2225AA822K	2225AA822KAT1A	8200	1000	10%	3.22	2.81	2.41	500	
Temperature Coef: X7R									
581-2225GC102K	2225GC102KAT1A	1000	2000	10%	3.12	2.73	2.34	1000	
581-2225HC102K	2225HC102KAT1A	1000	3000	10%	3.12	2.73	2.34	1000	
581-2225HC332K	2225HC332KAT1A	3200	3000	10%	3.22	2.81	2.41	1000	
581-2225GC472K	2225GC472KAT1A	4700	2000	10%	3.22	2.81	2.41	500	
581-2225GC103K	2225GC103KAT1A	0.01uF	2000	10%	2.29	2.00	1.72	1000	
581-2225WC103K	2225WC103KAT1A	0.01uF	2500	10%	.60	.53	.45	1000	
581-2225CC333K	2225CC333KAT1A	0.033uF	600	10%	3.22	2.81	2.41	1000	
581-2225AC823K	2225AC823KAT1A	0.082uF	1000	10%	3.22	2.81	2.41	1000	
581-2225CC104K	2225CC104KAT1A	0.1uF	600	10%	2.42	2.12	1.82	1000	
581-2225AC104K	2225AC104KAT1A	0.1uF	1000	10%	3.12	2.73	2.34	1000	
581-2225CC224K	2225CC224KAT1A	0.22uF	600	10%	3.12	2.73	2.34	1000	

/X 0201, 0402, 0603 - Multilayer Ceramic Chip Capacitors

AVX

cation Note:
er voltage capacitor may be used in a lower voltage
tion. Also available in various voltages, tolerances,
and temperature coefficients.

ree:
perature coefficient C0G (NP0) -55°C to +125°C
X7R -55°C to +125°C
X5R -55°C to +85°C
Y5V -30°C to +85°C
rred Tolerances: ±5%, 10%, 20%



Dimensions mm (IN)

Size	0201	0402	0603
(L) Length	0.60 ± 0.03 (.024 ± .001)	1.0 ± 0.10 (.040 ± .004)	1.60 ± .15 (.063 ± .006)
(W) Width	0.30 ± 0.03 (.011 ± .001)	0.50 ± 0.10 (.020 ± .004)	0.81 ±0.15 (.032 ±.006)
(T) Thickness	0.30 ± 0.03 (.010 ± .002)	0.50 ±0 .05 (0.20 ± .006)	0.80 ± 0.10 (.030 ± .006)

e 0201

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coeff.	Value (pF)	Volt	Tol. (%)	Price Each 1	100	1000	Reel Qty 15000
2013A1R0C	02013A1R0CAT2A	C0G	1.0	25	.25pF	.49	.29	.11	.081
2013A2R7C	02013A2R7CAT2A	C0G	2.7	25	.25pF	.49	.29	.11	.081
2013A4R7C	02013A4R7CAT2A	C0G	4.7	25	.25pF	.49	.29	.11	.081
2013A330J	02013A330JAT2A	C0G	33	25	5	.49	.29	.11	.081
201YC181K	0201YC181KAT2A	X7R	180	16	10	.49	.29	.11	.081
201YC331K	0201YC331KAT2A	X7R	330	16	10	.49	.29	.11	.081
201YC821K	0201YC821KAT2A	X7R	820	16	10	.49	.29	.11	.081
201YC103K	0201YC102KAT2A	X7R	1000	16	10	.49	.29	.11	.081
20110D103K	0201ZD103KAT2A	X5R	0.01uF	10	10	.66	.40	.17	.120
201ZG103Z	0201ZG103ZAT2A	Y5V	0.01uF	10	80,±20	.82	.48	.19	.130
2016G473Z	02016G473ZAT2A	Y5V	0.047uF	6.3	80,±20	.82	.48	.19	.130

e 0402

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coeff.	Value (pF)	Volt	Tol. (%)	Price Each 1	100	1000	Reel Qty 10000
4025A0R5C	04025A0R5CAT2A	C0G	0.5	50	.25pF	.33	.19	.12	.054
4023A1R0B	04023A1R0BAT2A	C0G	1.0	25	0.1	.28	.17	.08	.045
4025A1.0C	04025A1R0CAT2A	C0G	1.0	50	.25pF	.33	.19	.12	.054
4025A1R2C	04025A1R2CAT2A	C0G	1.2	50	.25pF	.33	.19	.12	.054
4025A1R5C	04025A1R5CAT2A	C0G	1.5	50	.25pF	.33	.19	.12	.054
4025A2R2C	04025A2R2CAT2A	C0G	2.2	50	.25pF	.33	.19	.12	.054
4025A2R7C	04025A2R7CAT2A	C0G	2.7	50	.25pF	.33	.19	.12	.054
4025A3R0C	04025A3R0CAT2A	C0G	3	50	.25pF	.33	.19	.12	.054
4025A3R3C	04025A3R3CAT2A	C0G	3.3	50	.25pF	.33	.19	.12	.054
4025A3R9C	04025A3R9CAT2A	C0G	3.9	50	.25pF	.33	.19	.12	.054
4025A4.7C	04025A4R7CAT2A	C0G	4.7	50	.25pF	.33	.19	.12	.054
4025A5R6C	04025A5R6CAT2A	C0G	5.6	50	.25pF	.33	.19	.12	.054
4025A6R8C	04025A6R8CAT2A	C0G	6.8	50	.25pF	.33	.19	.12	.054
4025A100J	04025A100JAT2A	C0G	10	50	5	.28	.17	.08	.045
4025A120J	04025A120JAT2A	C0G	12	50	5	.33	.20	.12	.054
4025A150F	04025A150FAT2A	C0G	15	50	1	.68	.60	.51	.210
4025A150G	04025A150GAT2A	C0G	15	50	2	.62	.55	.47	.200
4025A150J	04025A150JAT2A	C0G	15	50	5	.33	.19	.12	.054
4025A180F	04025A180FAT2A	C0G	18	50	1	.68	.60	.51	.210
4025A180J	04025A180JAT2A	C0G	18	50	5	.33	.19	.12	.054
4023A220K	04023A220KAT2A	C0G	22	25	10	.24	.21	.18	.080
4025A220J	04025A220JAT2A	C0G	22	50	5	.33	.19	.12	.054
4025A270J	04025A270JAT2A	C0G	27	50	5	.28	.17	.08	.045
4025A330J	04025A330JAT2A	C0G	33	50	5	.33	.19	.12	.054
4025A390J	04025A390JAT2A	C0G	39	50	5	.33	.19	.12	.054
4025A470J	04025A470JAT2A	C0G	47	50	5	.28	.17	.08	.045
4025A510J	04025A510JAT2A	C0G	51	50	5	.33	.20	.12	.054
4025A560J	04025A560JAT2A	C0G	56	50	5	.33	.19	.12	.054
4025A680J	04025A680JAT2A	C0G	68	50	5	.50	.32	.25	.090
4025A820J	04025A820JAT2A	C0G	82	50	5	.50	.32	.25	.090
4023A101F	04023A101FAT2A	C0G	100	25	1	.64	.56	.48	.200
4025A101J	04025A101JAT2A	C0G	100	50	5	.28	.17	.08	.045
4023A151J	04023A151JAT2A	C0G	150	25	5	.33	.19	.12	.054
4025A151J	04025A151JAT2A	C0G	150	50	5	.50	.32	.25	.090
4023A181J	04023A181JAT2A	C0G	180	25	5	.33	.19	.12	.054
4025A181J	04025A181JAT2A	C0G	180	50	5	.50	.43	.37	.160
4025C331K	04025C331KAT2A	X7R	33	50	10	.33	.19	.12	.054
4023C151M	04023C151MAT2A	X7R	150	25	20	.22	.20	.17	.070
4025C221K	04025C221KAT2A	X7R	220	50	10	.33	.19	.12	.054
4025C241J	04025C241JAT2A	X7R	240	50	5	.42	.38	.15	.069
4025C271K	04025C271KAT2A	X7R	270	50	10	.33	.19	.12	.054
4023C471J	04023C471JAT2A	X7R	470	25	5	.28	.17	.08	.045
4023C471K	04023C471KAT2A	X7R	470	25	10	.28	.17	.08	.045
4025C471J	04025C471JAT2A	X7R	470	50	5	.42	.38	.15	.069
4025C471K	04025C471KAT2A	X7R	470	50	10	.33	.19	.12	.054
4023C561J	04023C561JAT2A	X7R	560	25	5	.42	.38	.15	.069
4025C561K	04025C561KAT2A	X7R	560	50	10	.33	.19	.12	.054
4025C681J	04025C681JAT2A	X7R	680	50	5	.11	.10	.10	.060
402YC681K	0402YC681KAT2A	X7R	680	16	10	.33	.20	.12	.054
4023C102J	04023C102JAT2A	X7R	1000	25	5	.42	.38	.15	.069
4025C102J	04025C102JAT2A	X7R	1000	50	5	.42	.38	.15	.069

Style 0402 (cont.)

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coeff.	Value (pF)	Volt	Tol. (%)	Price Each 1	100	1000	Reel Qty 10000
581-04025C102K	04025C102KAT2A	X7R	1000	50	10	.28	.17	.08	.045
581-0402YC102K	0402YC102KAT2A	X7R	1000	16	10	.33	.20	.12	.054
581-04023C152K	04023C152KAT2A	X7R	1500	25	10	.33	.19	.12	.054
581-04025C152K	04025C152KAT2A	X7R	1500	50	10	.33	.19	.12	.054
581-04025C222K	04025C222KAT2A	X7R	2200	50	10	.28	.17	.08	.045
581-04023C472J	04023C472JAT2A	X7R	4700	25	5	.33	.19	.12	.054
581-04023C472K	04023C472KAT2A	X7R	4700	25	10	.33	.19	.12	.054
581-04023C682K	04023C682KAT2A	X7R	6800	25	10	.33	.19	.12	.054
581-0402YC103J	0402YC103JAT2A	X7R	0.01uF	16	5	.42	.38	.15	.069
581-040216C103K	0402YC103KAT2A	X7R	0.01uF	16	10	.28	.17	.08	.045
581-0402ZD473K	0402ZD473KAT2A	X5R	.047uF	10	10	.40	.35	.30	.110
581-040210D104K	0402ZD104KAT2A	X5R	0.1uF	10	10	.40	.35	.30	.110
581-040216G104Z	0402YG104ZAT2A	Y5V	0.1uF	16	80,±20	.42	.38	.15	.069

Style 0603

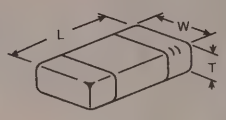
For quantities of 8,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coeff.	Value (pF)	Volt	Tol. (%)	Price Each 1	100	1000	Reel Qty 4000
581-06035A1R0C	06035A1R0CAT2A	C0G	1.0	50	.25pF	.21	.12	.08	.040
581-06035A1R5C	06035A1R5CAT2A	C0G	1.5	50	.25pF	.21	.12	.08	.040
581-06033A2R2C	06033A2R2CAT2A	C0G	2.2	25	.25pF	.22	.13	.06	.040
581-06035A2R2C	06035A2R2CAT2A	C0G	2.2	50	.25pF	.19	.11	.07	.035
581-06035A3R3C	06035A3R3CAT2A	C0G	3.3	50	.25pF	.19	.11	.07	.035
581-06035A4R7J	06035A4R7JAT2A	C0G	4.7	50	5	.44	.26	.12	.090
581-06035A5R0C	06035A5R0CAT2A	C0G	5	50	.25pF	.21	.12	.08	.040
581-06035A6R8J	06035A6R8JAT2A	C0G	6.8	50	5	.44	.26	.12	.090
581-06035A100J	06035A100JAT2A	C0G	10	50	5	.19	.11	.03	.020
581-06031A100J	06031A100JAT2A	C0G	10	100	5	.21	.12	.08	.040
581-06031A100K	06031A100KAT2A	C0G	10	100	10	.21	.12	.08	.040
581-06035A110J	06035A110JAT2A	C0G	11	50	5	.39	.23	.11	.080
581-06035A120J	06035A120JAT2A	C0G	12	50	5	.19	.11	.05	.040
581-06035A150J	06035A150JAT2A	C0G	15	50	5	.19	.11	.05	.040
581-06031A150J	06031A150JAT2A	C0G	15	100	5	.21	.12	.08	.040
581-06031A150K	06031A150KAT2A	C0G	15	100	10	.21	.12	.08	.040
581-06035A180J	06035A180JAT2A	C0G	18	50	5	.19	.11	.05	.040
581-06031A180J	06031A180JAT2A	C0G	18	100	5	.21	.12	.08	.040
581-06033A220J	06033A220JAT2A	C0G	22	25	5	.22	.13	.06	.040
581-06035A220J	06035A220JAT2A	C0G	22	50	5	.19	.11	.05	.040
581-06035A220K	06035A220KAT2A	C0G	22	50	10	.39	.23	.11	.080
581-06031A220J	06031A220JAT2A	C0G	22	100	5	.21	.12	.08	.040
581-06035A270J	06035A270JAT2A	C0G	27	50	5	.19	.11	.05	.040
581-06035A270K	06035A270KAT2A	C0G	27	50	10	.18	.10	.04	.040
581-06031A270K	06031A270KAT2A	C0G	27	100	10	.21	.12	.08	.040
581-06035A330J	06035A330JAT2A	C0G	33	50	5	.19	.11	.05	.040
581-06031A330J	06031A330JAT2A	C0G	33	100	5	.21	.12	.08	.040
581-06035A360J	06035A360JAT2A	C0G	36	50	5	.39	.23	.11	.080
581-06035A390J	06035A390JAT2A	C0G	39	50	5	.19	.11	.05	.040
581-06031A390J	06031A390JAT2A	C0G	39	100	5	.21	.12	.08	.040
581-06033A470J	06033A470JAT2A	C0G	47	25	5	.22	.13	.06	.040
581-06035A470J	06035A470JAT2A	C0G	47	50	5	.19	.11	.05	.040
581-06031A470K	06031A470KAT2A	C0G	47	100	10	.21	.12	.08	.040
581-06035A680J	06035A680JAT2A	C0G	68	50	5	.60	.35	.03	.020
581-06031A680J	06031A680JAT2A	C0G	68	100	5	.21	.12	.08	.040
581-06035A750J	06035A750JAT2A	C0G	75	50	5	.60	.35	.05	.030
581-06035A820J	06035A820JAT2A	C0G	82	50	5	.60	.35	.05	.030
581-06035A910J	06035A910JAT2A	C0G	91	50	5	.60	.35	.05	.030
581-06033A101K	06033A101KAT2A	C0G	100	25	10	.22	.13	.06	.040
581-06035A101J	06035A101JAT2A	C0G	100	50	5	.19	.11	.05	.040
581-06035A101K	06035A101KAT2A	C0G	100	50	10	.18	.10	.05	.035
581-06031A101J	06031A101JAT2A	C0G	100	100	5	.21	.12	.08	.040
581-06031A101K	06031A101KAT2A	C0G	100	100	10	.21	.12	.08	.040
581-06035A121J	06035A121JAT2A	C0G	120	50	5	.23	.14	.06	.045
581-06035A151J	06035A151JAT2A	C0G	150	50	5	.23	.14	.06	.045
581-06031A151J	06031A151JAT2A	C0G	150	100	5	.21	.12	.08	.040
581-06035A181J	06035A181JAT2A	C0G	180	50	5	.23	.14	.06	.045
581-06033A221K	06033A221KAT2A	C0G	220	25	10	.22	.13	.06	.040
581-06035A221J	06035A221JAT2A	C0G	220	50	5	.23	.14	.06	.045
581-06031A221K	06031A221KAT2A	C0G	220	100	10	.19	.11	.07	.035
581-06035A271J	06035A271JAT2A	C0G	270	50	5	.11	.09	.03	.020
581-06035A271K	06035A271KAT2A	C0G	270	50	10	.16	.10	.04	.030
581-06035A331J	06035A331JAT2A	C0G	330	50	5	.25	.19	.08	.050
581-06035A331K	06035A331KAT2A	C0G	330	50	10	.20	.18	.05	.040
581-06035A391J	06035A391JAT2A	C0G	390	50	5	.21	.19	.05	.040

AVX 0603, 0805 - Multilayer Ceramic Chip Capacitors

Application Note:
A higher voltage capacitor may be used in a lower voltage application. Also available in various voltages, tolerances, sizes, and temperature coefficients.

Features:
- Temperature coefficient C0G (NP0) -55°C to +125°C
  X7R -55°C to +125°C
  X5R -55°C to +85°C
  Y5V -30°C to +85°C
- Preferred Tolerances: ±5%, 10%, 20%



Dimensions mm (IN)

Size	0603	0805
(L) Length	1.60 ± .15 (.063 ± .006)	2.01 ± .20 (.079 ±.008)
(W) Width	.81 ±.15 (.032 ±.006)	1.25 ± .20 (.049 ± .008)
(T) Thickness	.80 ± .10 (.014 ± .006)	1.25 ± .20 (.020 ± .010)

Style 0603 (cont.)

For quantities of 8,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coeff.	Value (pF)	Volt	Tol. (%)	Price Each 1	100	1000	Reel Qty 4000
581-06033A471J	06033A471JAT2A	C0G	470	25	5	.22	.13	.06	.040
581-06033A471K	06033A471KAT2A	C0G	470	25	10	.22	.13	.06	.040
581-06035A471J	06035A471JAT2A	C0G	470	50	5	.12	.10	.07	.035
581-06035A561J	06035A561JAT2A	C0G	560	50	5	.33	.19	.12	.054
581-06035A681J	06035A681JAT2A	C0G	680	50	5	.33	.19	.12	.054
581-06035A681K	06035A681KAT2A	C0G	680	50	10	.33	.19	.12	.054
581-06033A102K	06033A102KAT2A	C0G	1000	25	10	.36	.21	.13	.090
581-06035C101K	06035C101KAT2A	X7R	100	50	10	.22	.13	.06	.040
581-06031C101K	06031C101KAT2A	X7R	100	100	10	.22	.13	.06	.040
581-06035C221K	06035C221KAT2A	X7R	220	50	10	.22	.13	.06	.040
581-06035C331K	06035C331KAT2A	X7R	330	50	10	.22	.13	.06	.040
581-06035C471K	06035C471KAT2A	X7R	470	50	10	.12	.07	.03	.020
581-06035C561J	06035C561JAT2A	X7R	560	50	5	.35	.21	.07	.050
581-06035C561K	06035C561KAT2A	X7R	560	50	10	.16	.13	.05	.034
581-06035C681K	06035C681KAT2A	X7R	680	50	10	.16	.13	.05	.034
581-06031C821K	06031C821KAT2A	X7R	820	100	10	.22	.13	.06	.040
581-0603ZC102K	0603ZC102KAT2A	X7R	1000	10	10	.35	.21	.05	.030
581-06035C102J	06035C102JAT2A	X7R	1000	50	5	.11	.09	.04	.025
581-06035C102K	06035C102KAT2A	X7R	1000	50	10	.12	.07	.03	.020
581-06031C102J	06031C102JAT2A	X7R	1000	100	5	.22	.13	.06	.040
581-06031C102K	06031C102KAT2A	X7R	1000	100	10	.22	.13	.06	.040
581-06035C152K	06035C152KAT2A	X7R	1500	50	10	.12	.07	.03	.020
581-06033C182K	06033C182KAT2A	X7R	1800	25	10	.16	.13	.05	.034
581-06035C222J	06035C222JAT2A	X7R	2200	50	5	.35	.21	.07	.045
581-06035C222K	06035C222KAT2A	X7R	2200	50	10	.16	.13	.05	.034
581-06031C222K	06031C222KAT2A	X7R	2200	100	10	.22	.13	.06	.040
581-06035C332K	06035C332KAT2A	X7R	3300	50	10	.35	.21	.07	.045
581-06031C332K	06031C332KAT2A	X7R	3300	100	10	.22	.13	.06	.040
581-0603YC392K	0603YC392KAT2A	X7R	3900	16	10	.16	.13	.05	.034
581-06033C472K	06033C472KAT2A	X7R	4700	25	10	.16	.13	.05	.034
581-06035C472K	06035C472KAT2A	X7R	4700	50	10	.35	.21	.07	.045
581-06031C472K	06031C472KAT2A	X7R	4700	100	10	.22	.13	.06	.040
581-06035C562J	06035C562JAT2A	X7R	5600	50	5	.35	.21	.07	.050
581-06035C682K	06035C682KAT2A	X7R	6800	50	10	.16	.13	.05	.034
581-06033C153J	06033C153JAT2A	X7R	.015uF	25	5	.40	.30	.09	.060
581-06035C153K	06035C153KAT2A	X7R	.015uF	50	10	.21	.18	.07	.050
581-0603ZC103K	0603ZC103KAT2A	X7R	.01uF	10	10	.35	.21	.05	.030
581-0603YC103K	0603YC103KAT2A	X7R	.01uF	16	10	.16	.13	.05	.034
581-06033C103M	06033C103MAT2A	X7R	.01uF	25	20	.16	.13	.05	.034
581-06035C103J	06035C103JAT2A	X7R	.01uF	50	5	.80	.45	.30	.250
581-06035C103K	06035C103KAT2A	X7R	.01uF	50	10	.16	.13	.05	.034
581-06035C103M	06035C103MAT2A	X7R	.01uF	50	20	.16	.13	.05	.034
581-06031C103K	06031C103KAT2A	X7R	.01uF	100	10	.39	.23	.11	.070
581-06033C223J	06033C223JAT2A	X7R	.022uF	25	5	.40	.30	.09	.060
581-06033C223K	06033C223KAT2A	X7R	.022uF	25	10	.13	.11	.04	.030
581-06035C223K	06035C223KAT2A	X7R	.022uF	50	10	.13	.11	.04	.030
581-06033C273J	06033C273JAT2A	X7R	.027uF	25	5	.40	.30	.09	.060
581-06033C273K	06033C273KAT2A	X7R	.027uF	25	10	.26	.23	.07	.050
581-06035C333J	06035C333JAT2A	X7R	.033uF	50	5	.35	.21	.09	.060
581-0603YC473K	0603YC473KAT2A	X7R	.047uF	16	10	.16	.13	.05	.034
581-06033C473J	06033C473JAT2A	X7R	.047uF	25	5	.60	.35	.15	.100
581-06033C473K	06033C473KAT2A	X7R	.047uF	25	10	.16	.13	.05	.034
581-0603YC683K	0603YC683KAT2A	X7R	.068uF	16	10	.35	.21	.09	.060
581-0603ZC104K	0603ZC104KAT2A	X7R	0.1uF	10	10	.35	.21	.09	.060
581-0603YC104J	0603YC104JAT2A	X7R	0.1uF	16	5	.22	.13	.05	.040
581-060316C104K	0603YC104KAT2A	X7R	0.1uF	16	10	.16	.13	.05	.034
581-0603YC104M	0603YC104MAT2A	X7R	0.1uF	16	20	.16	.13	.05	.034
581-0603ZC224K	0603ZC224KAT2A	X7R	.22uF	10	10	.44	.26	.12	.080
581-0603ZD105K	0603ZD105KAT2A	X5R	1.0uF	10	10	.60	.40	.26	.230
581-06033G104Z	06033G104ZAT2A	Y5V	0.1uF	25	80,±20	.19	.11	.03	.020
581-06035G104Z	06035G104ZAT2A	Y5V	0.1uF	50	80,±20	.35	.21	.07	.050
581-06033G224Z	06033G224ZAT2A	Y5V	.22uF	25	80,±20	.29	.17	.07	.050
581-0603YG334Z	0603YG334ZAT2A	Y5V	.33uF	16	80,±20	.35	.21	.11	.070
581-0603ZG105Z	0603ZG105ZAT2A	Y5V	1.0uF	10	80,±20	1.10	.60	.26	.180
581-06033E103Z	06033E103ZAT2A	Z5U	.01uF	25	80,±20	.24	.14	.08	.050

Style 0805

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coeff.	Value (pF)	Volt	Tol. (%)	Price Each 1	100	1000	Reel Qty. Per Reel	Reel Price Ea.
581-08051A0R5C	08051A0R5CAT2A	C0G	0.5	100	.25pF	.22	.18	.13	4000	.039
581-08055A1R0C	08055A1R0CAT2A	C0G	1.0	50	.25pF	.23	.13	.06	4000	.040
581-08055A1R2C	08055A1R2CAT2A	C0G	1.2	50	.25pF	.22	.18	.13	4000	.070
581-08055A2R7C	08055A2R7CAT2A	C0G	2.7	50	.25pF	.22	.18	.13	4000	.070
581-08055A4R7C	08055A4R7CAT2A	C0G	4.7	50	.25pF	.22	.18	.13	4000	.070
581-08051A4R7D	08051A4R7DAT2A	C0G	4.7	100	.50pF	.12	.09	.07	4000	.021
581-08055A5R0D	08055A5R0DAT2A	C0G	5	50	.50pF	.20	.16	.12	4000	.035
581-08051A5R1C	08051A5R1CAT2A	C0G	5.1	100	.25pF	.22	.18	.13	4000	.070

Style 0805 (cont.)

For quantities of 20,000 and up, call for qu

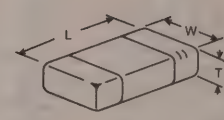
MOUSER STOCK NO.	AVX Part Number	Temp. Coeff.	Value (pF)	Volt	Tol. (%)	Price Each 1	100	1000	Reel Qty. Per Reel	Reel Pri Ea
581-08055A5R6C	08055A5R6CAT2A	C0G	5.6	50	.25pF	.22	.18	.13	4000	.0
581-08055A6R8C	08055A6R8CAT2A	C0G	6.8	50	.25pF	.22	.18	.13	4000	.0
581-08051A6.8D	08051A6R8DAT2A	C0G	6.8	100	.50pF	.20	.16	.12	4000	.0
581-08055A8R2C	08055A8R2CAT2A	C0G	8.2	50	.25pF	.22	.18	.13	4000	.0
581-08055A100J	08055A100JAT2A	C0G	10	50	5	.20	.16	.12	4000	.0
581-08051A100J	08051A100JAT2A	C0G	10	100	5	.20	.16	.12	4000	.0
581-08055A120J	08055A120JAT2A	C0G	12	50	5	.20	.16	.12	4000	.0
581-08055A150J	08055A150JAT2A	C0G	15	50	5	.20	.16	.12	4000	.0
581-08051A150J	08051A150JAT2A	C0G	15	100	5	.20	.16	.12	4000	.0
581-08055A180J	08055A180JAT2A	C0G	18	50	5	.20	.16	.12	4000	.0
581-08055A200J	08055A200JAT2A	C0G	20	50	5	.20	.16	.12	4000	.0
581-08055A220J	08055A220JAT2A	C0G	22	50	5	.20	.16	.12	4000	.0
581-08051A220J	08051A220JAT2A	C0G	22	100	5	.20	.16	.12	4000	.0
581-08055A270J	08055A270JAT2A	C0G	27	50	5	.20	.16	.12	4000	.0
581-08051A270J	08051A270JAT2A	C0G	27	100	5	.20	.16	.12	4000	.0
581-08055A330J	08055A330JAT2A	C0G	33	50	5	.20	.16	.12	4000	.0
581-08055A330K	08055A330KAT2A	C0G	33	50	10	.19	.15	.11	4000	.0
581-08051A330J	08051A330JAT2A	C0G	33	100	5	.20	.16	.12	4000	.0
581-08055A390J	08055A390JAT2A	C0G	39	50	5	.20	.16	.12	4000	.0
581-08051A390J	08051A390JAT2A	C0G	39	100	5	.20	.16	.12	4000	.0
581-08055A430J	08055A430JAT2A	C0G	43	50	5	.20	.16	.12	4000	.0
581-08055A470J	08055A470JAT2A	C0G	47	50	5	.20	.16	.12	4000	.0
581-08051A470J	08051A470JAT2A	C0G	47	100	5	.20	.16	.12	4000	.0
581-08051A510J	08051A510JAT2A	C0G	51	100	5	.20	.16	.12	4000	.0
581-08055A560J	08055A560JAT2A	C0G	56	50	5	.20	.16	.12	4000	.0
581-08051A560J	08051A560JAT2A	C0G	56	100	5	.20	.16	.12	4000	.0
581-08055A680J	08055A680JAT2A	C0G	68	50	5	.20	.16	.12	4000	.0
581-08051A750J	08051A750JAT2A	C0G	75	100	5	.21	.17	.13	4000	.0
581-08055A820J	08055A820JAT2A	C0G	82	50	5	.20	.16	.12	4000	.0
581-08055A820K	08055A820KAT2A	C0G	82	50	10	.19	.15	.11	4000	.0
581-08055A101J	08055A101JAT2A	C0G	100	50	5	.19	.15	.11	4000	.0
581-08055A101K	08055A101KAT2A	C0G	100	50	10	.19	.15	.11	4000	.0
581-08051A101J	08051A101JAT2A	C0G	100	100	5	.21	.17	.13	4000	.0
581-08051A101K	08051A101KAT2A	C0G	100	100	10	.21	.17	.13	4000	.0
581-08052A101J	08052A101JAT2A	C0G	100	200	5	.34	.27	.20	4000	.0
581-08055A121J	08055A121JAT2A	C0G	120	50	5	.19	.15	.11	4000	.0
581-08055A121K	08055A121KAT2A	C0G	120	50	10	.19	.15	.11	4000	.0
581-08051A121J	08051A121JAT2A	C0G	120	100	5	.21	.17	.13	4000	.0
581-08055A151J	08055A151JAT2A	C0G	150	50	5	.23	.13	.06	4000	.0
581-08051A151J	08051A151JAT2A	C0G	150	100	5	.21	.17	.13	4000	.0
581-08055A201J	08055A201JAT2A	C0G	200	50	5	.26	.21	.16	4000	.0
581-08055A221J	08055A221JAT2A	C0G	220	50	5	.21	.17	.13	4000	.0
581-08051A221J	08051A221JAT2A	C0G	220	100	5	.21	.17	.13	4000	.0
581-08051A221K	08051A221KAT2A	C0G	220	100	10	.21	.17	.13	4000	.0
581-08052A221K	08052A221KAT2A	C0G	220	200	10	.33	.26	.20	4000	.0
581-08051A271J	08051A271JAT2A	C0G	270	100	5	.21	.17	.13	4000	.0
581-08051A301J	08051A301JAT2A	C0G	300	100	5	.26	.21	.16	4000	.0
581-08055A331J	08055A331JAT2A	C0G	330	50	5	.21	.17	.13	4000	.0
581-08055A331K	08055A331KAT2A	C0G	330	50	10	.22	.18	.13	4000	.0
581-08051A331K	08051A331KAT2A	C0G	330	100	10	.21	.17	.13	4000	.0
581-08051A391J	08051A391JAT2A	C0G	390	100	5	.21	.17	.13	4000	.0
581-08055A471J	08055A471JAT2A	C0G	470	50	5	.21	.17	.13	4000	.0
581-08055A471K	08055A471KAT2A	C0G	470	50	10	.22	.18	.13	4000	.0
581-08051A471J	08051A471JAT2A	C0G	470	100	5	.21	.17	.13	4000	.0
581-08055A561J	08055A561JAT2A	C0G	560	50	5	.24	.19	.14	4000	.0
581-08055A681J	08055A681JAT2A	C0G	680	50	5	.24	.19	.14	4000	.0
581-08055A102J	08055A102JAT2A	C0G	1000	50	5	.29	.23	.18	4000	.0
581-08055A102K	08055A102KAT2A	C0G	1000	50	10	.29	.23	.18	4000	.0
581-08051A102J	08051A102JAT2A	C0G	1000	100	5	.31	.25	.19	4000	.0
581-08055A122J	08055A122JAT2A	C0G	1200	50	5	.41	.33	.25	4000	.0
581-08053A152J	08053A152JAT2A	C0G	1500	25	5	.28	.23	.14	4000	.0
581-08055A152J	08055A152JAT2A	C0G	1500	50	5	.41	.33	.25	4000	.0
581-08055A182J	08055A182JAT2A	C0G	1800	50	5	.41	.33	.25	4000	.0
581-08053A222J	08053A222JAT2A	C0G	2200	25	5	.28	.23	.14	4000	.0
581-08055A222J	08055A222JAT2A	C0G	2200	50	5	.41	.33	.25	2000	.0
581-08055A222K	08055A222KAT2A	C0G	2200	50	10	.35	.28	.21	2000	.0
581-08053A332J	08053A332JAT2A	C0G	3300	25	5	.28	.23	.14	2000	.0
581-08051C101K	08051C101KAT2A	X7R	100	100	10	.19	.15	.11	4000	.0
581-08052C101K	08052C101KAT2A	X7R	100	200	10	.30	.24	.18	4000	.0
581-08055C151K	08055C151KAT2A	X7R	150	50	10	.21	.17	.13	4000	.0
581-08055C221K	08055C221KAT2A	X7R	220	50	10	.21	.17	.13	4000	.0
581-08055C471J	08055C471JAT2A	X7R	470	50	5	.29	.23	.17	4000	.0
581-08055C471K	08055C471KAT2A	X7R	470	50	10	.12	.10	.07	4000	.0
581-08055C102K	08055C102KAT2A	X7R	1000	50	10	.12	.10	.07	4000	.0
581-08051C102J	08051C102JAT2A	X7R	1000	100	5	.29	.23	.17	4000	.0
581-08051C102K	08051C102KAT2A	X7R	1000	100	10	.12	.10	.07	4000	.0
581-08052C102K	08052C102KAT2A	X7R	1000	200	10	.35	.28	.21	4000	.0
581-08055C152J	08055C152JAT2A	X7R	1500	50	5	.29	.23	.17	4000	.0

AVX 0805, 1206 - Multilayer Ceramic Chip Capacitors

tion Note:
voltage capacitor may be used in a lower voltage
n. Also available in various voltages, tolerances,
l temperature coefficients.

e:
ature coefficient C0G (NP0) -55°C to +125°C
X7R -55°C to +125°C
X5R -55°C to +85°C
Y5V -30°C to +85°C
d Tolerances: ±5%, 10%, 20%

Dimensions mm (IN)



Size	0805	1206
(L) Length	2.01 ± .20 (.079 ± .008)	3.20 ± 0.20 (.126 ± .008)
(W) Width	1.25 ± .20 (.049 ± .008)	1.60 ± 0.20 (.063 ± .008)
(T) Thickness	.50 ± .25 (.020 ± .010)	.50 ± .25 (.020 ± .010)

805 (cont.)

For quantities of 20,000 and up, call for quote.

USER CK NO.	AVX Part Number	Temp. Coeff.	Value (pF)	Volt	Tol. (%)	Price Each 1	100	1000	Reel Qty. Per Reel	Price Ea.
055C152K	08055C152KAT2A	X7R	1500	50	10	.21	.17	.13	4000	.021
055C202K	08055C202KAT2A	X7R	2000	50	10	.21	.17	.13	4000	.021
055C222J	08055C222JAT2A	X7R	2200	50	5	.29	.23	.17	4000	.090
055C222K	08055C222KAT2A	X7R	2200	50	10	.12	.10	.07	4000	.021
051C222K	08051C222KAT2A	X7R	2200	100	10	.12	.10	.07	4000	.021
051C272J	08051C272JAT2A	X7R	2700	100	5	.29	.23	.17	4000	.051
055C332J	08055C332JAT2A	X7R	3300	50	5	.29	.23	.17	4000	.090
055C332K	08055C332KAT2A	X7R	3300	50	10	.21	.17	.13	4000	.060
055C392K	08055C392KAT2A	X7R	3900	50	10	.12	.10	.07	4000	.021
055C472J	08055C472JAT2A	X7R	4700	50	5	.29	.23	.17	4000	.090
055C472K	08055C472KAT2A	X7R	4700	50	10	.12	.10	.07	4000	.021
051C472K	08051C472KAT2A	X7R	4700	100	10	.12	.10	.07	4000	.021
055C562J	08055C562JAT2A	X7R	5600	50	5	.29	.23	.17	4000	.040
055C682J	08055C682JAT2A	X7R	6800	50	5	.29	.23	.17	4000	.090
053C103M	08053C103MAT2A	X7R	0.01uF	25	20	.19	.15	.11	4000	.060
055C103J	08055C103JAT2A	X7R	0.01uF	50	5	.13	.11	.08	4000	.035
055C103K	08055C103KAT2A	X7R	0.01uF	50	10	.12	.10	.07	4000	.021
051C103J	08051C103JAT2A	X7R	0.01uF	100	5	.13	.11	.08	4000	.025
051C103K	08051C103KAT2A	X7R	0.01uF	100	10	.12	.10	.07	4000	.021
052C103K	08052C103KAT2A	X7R	0.01uF	200	10	.39	.31	.23	4000	.120
055C153K	08055C153KAT2A	X7R	.015uF	50	10	.13	.11	.08	4000	.035
052C153J	08052C153JAT2A	X7R	.015uF	200	5	.53	.42	.32	4000	.093
055C183K	08055C183KAT2A	X7R	.018uF	50	10	.24	.19	.14	4000	.042
055C223J	08055C223JAT2A	X7R	.022uF	50	5	.21	.17	.13	4000	.060
055C223K	08055C223KAT2A	X7R	.022uF	50	10	.19	.15	.11	4000	.060
051C223K	08051C223KAT2A	X7R	.022uF	100	10	.24	.19	.14	4000	.042
052C223K	08052C223KAT2A	X7R	.022uF	200	10	.43	.34	.26	2000	.170
055C333K	08055C333KAT2A	X7R	.033uF	50	10	.19	.15	.11	4000	.060
055C393J	08055C393JAT2A	X7R	.039uF	50	5	.33	.26	.20	4000	.100
055C393K	08055C393KAT2A	X7R	.039uF	50	10	.24	.19	.14	4000	.042
053C473J	08053C473JAT2A	X7R	.047uF	25	5	.33	.26	.20	4000	.100
053C473K	08053C473KAT2A	X7R	.047uF	25	10	.24	.19	.14	4000	.080
055C473J	08055C473JAT2A	X7R	.047uF	50	5	.33	.26	.20	4000	.058
055C473K	08055C473KAT2A	X7R	.047uF	50	10	.19	.15	.11	4000	.060
055C683K	08055C683KAT2A	X7R	.068uF	50	10	.24	.19	.14	4000	.070
05ZC104K	0805ZC104KAT2A	X7R	0.1uF	10	10	.24	.19	.14	4000	.070
05YC104K	0805YC104KAT2A	X7R	0.1uF	16	10	.21	.17	.12	4000	.060
053C104K	08053C104KAT2A	X7R	0.1uF	25	10	.21	.17	.12	4000	.060
055C104J	08055C104JAT2A	X7R	0.1uF	50	5	.22	.18	.13	4000	.070
055C104K	08055C104KAT2A	X7R	0.1uF	50	10	.21	.17	.12	4000	.060
055C104M	08055C104MAT2A	X7R	0.1uF	50	20	.21	.17	.12	4000	.070
05YC124J	0805YC124JAT2A	X7R	0.12uF	16	5	.74	.59	.44	4000	.220
053C154K	08053C154KAT2A	X7R	0.15uF	25	10	.29	.23	.17	4000	.051
05YC224K	0805YC224KAT2A	X7R	0.22uF	16	10	.47	.37	.28	4000	.140
053C224K	08053C224KAT2A	X7R	0.22uF	25	10	.32	.26	.19	2000	.130
053C224M	08053C224MAT2A	X7R	0.22uF	25	20	.25	.20	.15	2000	.100
05ZC334J	0805ZC334JAT2A	X7R	0.33uF	10	5	.84	.67	.50	2000	.340
05YC334J	0805YC334JAT2A	X7R	0.33uF	16	5	.84	.67	.50	2000	.168
05YC334K	0805YC334KAT2A	X7R	0.33uF	16	10	.79	.63	.47	2000	.320
05ZC474K	0805ZC474KAT2A	X7R	0.47uF	10	10	.79	.63	.47	2000	.320
05YC474J	0805YC474JAT2A	X7R	0.47uF	16	5	.84	.67	.50	2000	.340
0616C474K	0805YC474KAT2A	X7R	0.47uF	16	10	.67	.53	.40	2000	.270
05ZC684K	0805ZC684KAT2A	X7R	0.68uF	10	10	1.20	.96	.72	2000	.240
05ZC105K	0805ZC105KAT2A	X7R	1.0uF	10	10	.67	.53	.40	2000	.270
055G104Z	08055G104ZAT2A	Y5V	0.1uF	50	80,±20	.15	.12	.09	4000	.040
05YG105Z	0805YG105ZAT2A	Y5V	1.0uF	16	80,±20	.43	.34	.26	3000	.170
053G105Z	08053G105ZAT2A	Y5V	1.0uF	25	80,±20	.43	.34	.26	3000	.170
05YG225Z	0805YG225ZAT2A	Y5V	2.2uF	16	80,±20	1.00	.80	.60	3000	.400
05ZG475Z	0805ZG475ZAT2A	Y5V	4.7uF	10	80,±20	1.20	.96	.72	3000	.480
055E103M	08055E103MAT2A	Z5U	0.01uF	50	20	.21	.16	.12	4000	.060
055E104M	08055E104MAT2A	Z5U	0.1uF	50	20	.21	.16	.12	4000	.060
055E104Z	08055E104ZAT4A	Z5U	0.4uF	50	80,±20	.16	.13	.10	10000	.050

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For quantities of 20,000 and up, call for quote.

USER CK NO.	AVX Part Number	Temp. Coeff.	Value (pF)	Volt	Tol. (%)	Price Each 1	100	1000	Reel Qty. Per Reel	Price Ea.
65A4R7C	12065A4R7CAT2A	C0G	4.7	50	.25pF	.42	.26	.10	4000	.060
65A5R6D	12065A5R6DAT2A	C0G	5.6	50	.5pF	.40	.24	.10	4000	.040
65A100J	12065A100JAT2A	C0G	10	50	5	.25	.22	.18	4000	.090
61A100J	12061A100JAT2A	C0G	10	100	5	.25	.22	.18	4000	.090
65A150J	12065A150JAT2A	C0G	15	50	5	.27	.24	.20	4000	.100
61A180J	12061A180JAT2A	C0G	18	100	5	.25	.22	.18	4000	.090
61A220J	12061A220JAT2A	C0G	22	100	5	.25	.22	.18	4000	.090
62A220J	12062A220JAT2A	C0G	22	200	5	.10	.09	.08	4000	.050
61A270J	12061A270JAT2A	C0G	27	100	5	.25	.22	.18	4000	.090
65A330J	12065A330JAT2A	C0G	33	50	5	.25	.22	.18	4000	.090
61A330J	12061A330JAT2A	C0G	33	100	5	.46	.31	.18	4000	.050
61A330K	12061A330KAT2A	C0G	33	100	10	.25	.22	.18	4000	.090
65A470J	12065A470JAT2A	C0G	47	50	5	.25	.22	.18	4000	.090
61A470J	12061A470JAT2A	C0G	47	100	5	.25	.22	.18	4000	.090
65A560J	12065A560JAT2A	C0G	56	50	5	.42	.27	.10	4000	.060

Style 1206 (cont.)

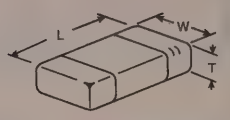
For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coeff.	Value (pF)	Volt	Tol. (%)	Price Each 1	100	1000	Reel Qty. Per Reel	Price Ea.
581-12065A680J	12065A680JAT2A	C0G	68	50	5	.27	.24	.20	4000	.100
581-12065A101J	12065A101JAT2A	C0G	100	50	5	.25	.22	.18	4000	.090
581-12061A101J	12061A101JAT2A	C0G	100	100	5	.25	.22	.18	4000	.090
581-12061A101K	12061A101KAT2A	C0G	100	100	10	.25	.22	.18	4000	.090
581-12062A101J	12062A101JAT2A	C0G	100	200	5	.30	.26	.23	4000	.110
581-12067A101J	12067A101JAT2A	C0G	100	500	5	.96	.84	.72	4000	.360
581-12065A121J	12065A121JAT2A	C0G	120	50	5	.37	.33	.28	4000	.140
581-12061A121J	12061A121JAT2A	C0G	120	100	5	.25	.22	.18	4000	.090
581-12065A151J	12065A151JAT2A	C0G	150	50	5	.37	.33	.28	4000	.140
581-12061A151J	12061A151JAT2A	C0G	150	100	5	.25	.22	.18	4000	.090
581-12062A151J	12062A151JAT2A	C0G	150	200	5	.58	.39	.20	4000	.070
581-12065A181J	12065A181JAT2A	C0G	180	50	5	.41	.25	.10	4000	.080
581-12065A221J	12065A221JAT2A	C0G	220	50	5	.25	.22	.18	4000	.090
581-12061A221K	12061A221KAT2A	C0G	220	100	10	.25	.22	.18	4000	.090
581-12065A331J	12065A331JAT2A	C0G	330	50	5	.25	.22	.18	4000	.090
581-12061A331J	12061A331JAT2A	C0G	330	100	5	.25	.22	.18	4000	.090
581-12067A331J	12067A331JAT2A	C0G	330	500	5	1.20	1.05	.90	2000	.600
581-12065A471J	12065A471JAT2A	C0G	470	50	5	.34	.30	.26	4000	.130
581-12061A471J	12061A471JAT2A	C0G	470	100	5	.34	.30	.26	4000	.130
581-12061A471K	12061A471KAT2A	C0G	470	100	10	.30	.26	.22	4000	.110
581-12067A471J	12067A471JAT2A	C0G	470	500	5	.39	.35	.31	2000	.230
581-12065A681J	12065A681JAT2A	C0G	680	50	5	.37	.33	.28	4000	.140
581-12061A681J	12061A681JAT2A	C0G	680	100	5	.34	.30	.26	4000	.130
581-12065A102J	12065A102JAT2A	C0G	1000	50	5	.34	.30	.26	4000	.130
581-12061A102J	12061A102JAT2A	C0G	1000	100	5	.34	.30	.26	4000	.130
581-12062A102J	12062A102JAT2A	C0G	1000	200	5	.34	.30	.26	2000	.170
581-12061A152J	12061A152JAT2A	C0G	1500	100	5	.37	.32	.27	2000	.180
581-12065A272J	12065A272JAT2A	C0G	2700	50	5	.14	.12	.11	2000	.080
581-12065A332J	12065A332JAT2A	C0G	3300	50	5	.69	.41	.16	2000	.100
581-12065C102J	12065C102JAT2A	X7R	1000	50	5	.25	.22	.19	4000	.090
581-12065C102K	12065C102KAT2A	X7R	1000	50	10	.20	.18	.15	4000	.080
581-12061C102K	12061C102KAT2A	X7R	1000	100	10	.20	.18	.15	4000	.080
581-12061C152K	12061C152KAT2A	X7R	1500	100	10	.23	.20	.17	4000	.090
581-12067C152K	12067C152KAT2A	X7R	1500	500	10	1.20	1.05	.90	2000	.600
581-12065C222K	12065C222KAT2A	X7R	2200	50	10	.22	.19	.17	4000	.080
581-12061C222K	12061C222KAT2A	X7R	2200	100	10	.20	.18	.15	4000	.080
581-12061C332K	12061C332KAT2A	X7R	3300	100	10	.20	.18	.15	4000	.080
581-12065C472K	12065C472KAT2A	X7R	4700	50	10	.20	.18	.15	4000	.080
581-12061C472K	12061C472KAT2A	X7R	4700	100	10	.20	.18	.15	4000	.080
581-12067C472K	12067C472KAT2A	X7R	4700	500	10	1.12	.98	.84	2000	.560
581-12065C103J	12065C103JAT2A	X7R	.01uF	50	5	.22	.20	.17	4000	.080
581-12065C103K	12065C103KAT2A	X7R	.01uF	50	10	.20	.18	.15	4000	.080
581-12061C103J	12061C103JAT2A	X7R	.01uF	100	5	.22	.20	.17	4000	.080
581-12061C103K	12061C103KAT2A	X7R	.01uF	100	10	.20	.18	.15	4000	.080
581-12062C103J	12062C103JAT2A	X7R	.01uF	200	5	.37	.32	.28	4000	.140
581-12062C103K	12062C103KAT2A	X7R	.01uF	200	10	.32	.28	.24	4000	.120
581-12067C103K	12067C103KAT2A	X7R	.01uF	500	10	1.60	1.40	1.20	2000	.800
581-12065C223K	12065C223KAT2A	X7R	.022uF	50	10	.23	.20	.17	4000	.090
581-12061C223J	12061C223JAT2A	X7R	.022uF	100	5	.22	.20	.17	4000	.080
581-12061C223K	12061C223KAT2A	X7R	.022uF	100	10	.20	.18	.15	4000	.080
581-12065C273K	12065C273KAT2A	X7R	.027uF	50	10	.23	.20	.17	4000	.090
581-12065C333J	12065C333JAT2A	X7R	.033uF	50	5	.29	.25	.22	4000	.110
581-12065C333K	12065C333KAT2A	X7R	.033uF	50	10	.20	.18	.15	4000	.080
581-12061C333K	12061C333KAT2A	X7R	.033uF	100	10	.20	.18	.15	4000	.080
581-12061C393K	12061C393KAT2A	X7R	.039uF	100	10	.04	.04	.04	4000	.020
581-12065C473J	12065C473JAT2A	X7R	.047uF	50	5	.22	.20	.17	4000	.080
581-12065C473K	12065C473KAT2A	X7R	.047uF	50	10	.20	.18	.15	4000	.080
581-12061C473K	12061C473KAT2A	X7R	.047uF	100	10	.20	.18	.15	4000	.080
581-12062C473K	12062C473KAT2A	X7R	.047uF	200	10	.34	.29	.25	2000	.170
581-12065C683K	12065C683KAT2A	X7R	.068uF	50	10	.08	.07	.07	4000	.050
581-12062C683K	12062C683KAT2A	X7R	.068uF	200	10	1.20	1.05	.90	2000	.600
581-120616C104K	1206YC104KAT2A	X7R	0.1uF	16	10	.24	.21	.18	4000	.090
581-12065C104J	12065C104JAT2A	X7R	0.1uF	50	5	.26	.23	.20	4000	.100
581-12065C104K	12065C104KAT2A	X7R	0.1uF	50	10	.24	.21	.18	4000	.050
581-12065C104M	12065C104MAT2A	X7R	0.1uF	50	20	.18	.15	.09	4000	.050
581-12061C104J	12061C104JAT2A	X7R	0.1uF	100	5	.32	.28	.24	2000	.160
581-12061C104K	12061C104KAT2A	X7R	0.1uF	100	10	.28	.25	.21	2000	.140
581-12061C104M	12061C104MAT2A	X7R	0.1uF	100	20	.28	.25	.21	2000	.140
581-12065C154K	12065C154KAT2A	X7R	.15uF	50	10	.44	.38	.33	4000	.160
581-1206YC224K	1206YC224KAT2A	X7R	.22uF	16	10	.37	.32	.28	4000	.140
581-12063C224K	12063C224KAT2A	X7R	.22uF	25	10	.40	.35	.30	4000	.150
581-12065C224K	12065C224KAT2A	X7R	.22uF	50	10	.40	.35	.30	2000	.200
581-12065C224M	12065C224MAT2A	X7R	.22uF	50	20	.34	.30	.26	4000	.130
581-120616C334K	1206YC334KAT2A	X7R	.33uF	16	10	.37	.32	.28	4000	.140
581-12065C334K	12065C334KAT2A	X7R	.33uF	50	10	.47	.41	.35	2000	.240
581-1206YC474K	1206YC474KAT2A	X7R	.47uF	16	10	.65	.57	.49	2000	.320
581-12063C474K	12063C474KAT2A	X7R	.47uF	25	10	.79	.69	.59	2000	.400
581-12065C474J	12065C474JAT2A	X7R	.47uF	50	5	.63	.55	.47	2000	.320
581-12065C474K	12065C474KAT2A	X7R	.47uF	50	10	.47	.41	.35	2000	.240
581-12063C684K	12063C684KAT2A	X7R	.68uF	25	10	.79	.69	.59	2500	.400
581-1206YC105J	1206YC105JAT2A	X7R	1.0uF	16	5	.26	.23	.20	2000	.150
581-1206YC105K	1206YC105KAT2A	X7R	1.0uF	16	10	.65	.57	.49	2000	.320
581-12063C105K	12063C105KAT2A	X7R	1.0uF	25	10	1.22	1.07	.91	2500	.610
581-12062C225K	1206ZC225KAT2A	X7R	2.2uF	10	10	.94	.82	.70	2500	.470

AVX 1206, 1210 - Multilayer Ceramic Chip Capacitors and Kits

Application Note:
A higher voltage capacitor may be used in a lower voltage application. Also available in various voltages, tolerances, sizes, and temperature coefficients.

Features:
- Temperature coefficient C0G (NP0) -55°C to +125°C
  X7R -55°C to +125°C
  X5R -55°C to +85°C
  Y5V -30°C to +85°C
- Preferred Tolerances: ±5%, 10%, 20%



Dimensions mm (IN)

Size	1206	1210
(L) Length	3.20 ± 0.20 (.126 ± .008)	3.20 ± 0.20 (.126 ± .008)
(W) Width	1.60 ± 0.20 (.063 ± .008)	2.50 ± 0.20 (.098 ± .008)
(T) Thickness	1.70 ± 0.20 (.020 ± .010)	2.10 ± 0.20

Style 1206 (cont.)

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coeff.	Value (pF)	Volt	Tol. (%)	Price Each 1	100	1000	Reel Qty. Per Reel	Price Ea.
581-1206ZC225J	1206ZC225JAT2A	X7R	2.2uF	16	5	1.65	1.20	.56	2000	.300
581-1206ZD475K	1206ZD475KAT2A	X5R	4.7uF	10	10	.76	.67	.60	2500	.460
581-12066D106K	12066D106KAT2A	X5R	10uF	6.3	10	1.41	1.23	1.06	2500	.700
581-1206ZD106K	1206ZD106KAT2A	X5R	10uF	10	10	1.76	1.54	1.32	2500	.880
581-12066D226M	12066D226MAT2A	X5R	22uF	6.3	20	1.80	1.58	1.35	2500	.900
581-12065G334Z	12065G334ZAT2A	Y5V	.33uF	50	80,±20	.66	.58	.50	4000	.250
581-1206YG105Z	1206YG105ZAT2A	Y5V	1.0uF	16	80,±20	.53	.47	.40	4000	.200
581-12063G105Z	12063G105ZAT2A	Y5V	1.0uF	25	80,±20	.53	.47	.40	4000	.200
581-12065G105Z	12065G105ZAT2A	Y5V	1.0uF	50	80,±20	.66	.58	.50	4000	.250
581-1206YG225Z	1206YG225ZAT2A	Y5V	2.2uF	16	80,±20	.69	.61	.52	2000	.350
581-12063G225Z	12063G225ZAT2A	Y5V	2.2uF	25	80,±20	1.14	.99	.85	2000	.570
581-1206YG475Z	1206YG475ZAT2A	Y5V	4.7uF	16	80,±20	3.00	2.63	2.25	2000	1.50
581-1206ZG106Z	1206ZG106ZAT2A	Y5V	10uF	10	80,±20	2.40	2.10	1.80	2000	1.20
581-12065E104M	12065E104MAT2A	Z5U	0.1uF	50	20	.25	.21	.18	4000	.090

Style 1210

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coeff.	Value (pF)	Volt	Tol. (%)	Price Each 1	100	1000	Reel Qty. Per Reel	Price Ea.
581-12101A471J	12101A471JAT2A	C0G	470	100	5	.36	.32	.27	4000	.140
581-12107A471J	12107A471JAT2A	C0G	470	500	5	1.44	1.26	1.08	2000	.720
581-12105A681J	12105A681JAT2A	C0G	680	50	5	.36	.32	.27	4000	.140
581-12102A102K	12102A102KAT2A	C0G	1000	200	10	.60	.53	.45	4000	.230
581-12107A102K	12107A102KAT2A	C0G	1000	500	10	1.60	1.40	1.20	2000	.800
581-12102A122K	12102A122KAT2A	C0G	1200	200	10	.60	.53	.45	4000	.230
581-12102A152F	12102A152FAT2A	C0G	1500	200	10	3.90	3.41	2.93	2000	1.95
581-12105A222F	12105A222FAT2A	C0G	2200	50	1	1.76	1.54	1.32	4000	.660
581-12101A222F	12101A222FAT2A	C0G	2200	100	1	1.76	1.54	1.32	2000	.880
581-12105A332J	12105A332JAT2A	C0G	3300	50	5	.52	.46	.39	2000	.260
581-12107C102K	12107C102KAT2A	X7R	1000	500	10	1.12	.98	.84	4000	.420
581-1210GC102K	1210GC102KAT1A	X7R	1000	2000	10	.70	.60	.50	2000	.320
581-12107C562K	12107C562KAT2A	X7R	5600	500	10	1.20	1.05	.90	2000	.600
581-12101C103K	12101C103KAT2A	X7R	0.01uF	100	10	.13	.12	.10	4000	.070
581-12102C103K	12102C103KAT2A	X7R	0.01uF	200	10	.68	.60	.51	4000	.260
581-12107C103K	12107C103KAT2A	X7R	0.01uF	500	10	1.28	1.12	.96	4000	.480
581-12107C123K	12107C123KAT2A	X7R	0.012uF	500	10	1.28	1.12	.96	2000	.640
581-12107C153K	12107C153KAT2A	X7R	0.015uF	500	10	1.84	1.61	1.38	2000	.920
581-12107C183K	12107C183KAT2A	X7R	0.018uF	500	10	.59	.53	.47	4000	.330
581-1210CC273K	1210CC273KA1ME	X7R	0.027uF	600	10	1.86	1.63	1.40	2000	.820
581-12102C473K	12102C473KAT2A	X7R	0.047uF	200	10	.90	.79	.68	4000	.340
581-12101C563K	12101C563KAT2A	X7R	0.056uF	100	10	.40	.35	.30	4000	.150
581-12101C823K	12101C823KAT2A	X7R	0.082uF	100	10	.40	.35	.30	4000	.150
581-12105C104K	12105C104KAT2A	X7R	0.1uF	50	10	.32	.28	.24	4000	.120
581-12101C104K	12101C104KAT2A	X7R	0.1uF	100	10	.32	.28	.24	4000	.120
581-12101C104M	12101C104MAT2A	X7R	0.1uF	100	20	.36	.32	.27	4000	.140
581-12102C104K	12102C104KAT2A	X7R	0.1uF	200	10	.80	.70	.60	2000	.350
581-12101C154K	12101C154KAT2A	X7R	0.15uF	100	10	.50	.43	.37	2000	.250
581-12105C224J	12105C224JAT2A	X7R	0.22uF	50	5	.54	.47	.40	4000	.200
581-12105C224K	12105C224KAT2A	X7R	0.22uF	50	10	.44	.38	.33	4000	.160
581-12101C224K	12101C224KAT2A	X7R	0.22uF	100	10	.18	.16	.14	4000	.100
581-12103C334M	12103C334MAT2A	X7R	0.33uF	25	20	.67	.59	.50	4000	.250
581-12105C334K	12105C334KAT2A	X7R	0.33uF	50	10	.75	.65	.56	2000	.370
581-12103C394K	12103C394KAT2A	X7R	0.39uF	25	10	.88	.77	.66	2000	.440
581-12103C474J	12103C474JAT2A	X7R	0.47uF	25	5	.74	.64	.55	2000	.370
581-12103C474K	12103C474KAT2A	X7R	0.47uF	25	10	.75	.65	.56	2000	.370
581-12105C474K	12105C474KAT2A	X7R	0.47uF	50	10	.88	.77	.66	2000	.390
581-12101C474K	12101C474KAT2A	X7R	0.47uF	100	10	.74	.64	.55	1000	.460
581-12103C105J	12103C105JAT2A	X7R	1.0uF	25	5	1.60	1.40	1.20	3000	1.00
581-12103C105K	12103C105KAT2A	X7R	1.0uF	25	10	1.44	1.26	1.08	3000	.900
581-12103C105M	12103C105MAT2A	X7R	1.0uF	25	20	.94	.82	.70	3000	.590
581-12105C105K	12105C105KAT2A	X7R	1.0uF	50	10	.93	.82	.75	4000	.650
581-1210YC125K	1210YC125KAT2A	X7R	1.2uF	16	10	1.44	1.26	1.08	2000	.720
581-1210YC155J	1210YC155JAT2A	X7R	1.5uF	16	5	2.00	1.75	1.50	2000	1.00
581-1210YC185K	1210YC185KAT2A	X7R	1.8uF	16	10	2.00	1.75	1.50	2000	1.00
581-1210YC225K	1210YC225KAT2A	X7R	2.2uF	16	10	.99	.79	.66	2000	.460
581-12103C225K	12103C225KAT2A	X7R	2.2uF	25	10	2.11	1.85	1.58	2000	1.06
581-12103C225M	12103C225MAT2A	X7R	2.2uF	25	20	2.11	1.85	1.58	2000	1.06
581-1210YC475J	1210YC475JAT2A	X7R	4.7uF	16	50	2.88	2.52	2.16	1000	1.80
581-1210YC475K	1210YC475KAT2A	X7R	4.7uF	16	10	1.80	1.26	.80	1000	.63
581-12103D475M	12103D475MAT2A	X5R	4.7uF	250	20	2.88	2.52	2.16	1000	1.80
581-1210ZD106K	1210ZD106KAT2A	X5R	10uF	10	10	3.60	3.15	2.70	2000	1.58
581-1210YD106K	1210YD106KAT2A	X5R	10uF	16	10	2.70	1.80	1.35	2000	.900
581-1210YD106M	1210YD106MAT2A	X5R	10uF	16	20	2.70	1.80	1.35	2000	.900
581-12103D106K	12103D106KAT2A	X5R	10uF	250	10	1.80	1.44	1.08	1000	.720
581-12106D226K	12106D226KAT2A	X5R	22uF	6.3	10	1.61	1.44	1.31	1000	1.22
581-1210ZD226K	1210ZD226KAT2A	X5R	22uF	10	10	1.20	1.08	.96	1000	.860
581-1210ZD226M	1210ZD226MAT2A	X5R	22uF	10	20	1.24	1.11	.99	4000	.690

Style 1210 (cont.)

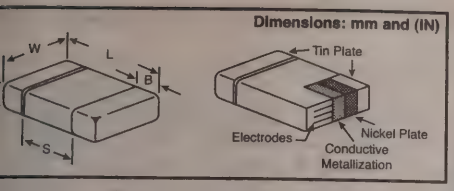
For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coeff.	Value (pF)	Volt	Tol. (%)	Price Each 1	100	1000	Reel Qty. Per Reel
581-1210YD226K	1210YD226KAT2A	X5R	22uF	16	10	3.00	2.40	- - -	1000
581-12106D476M	12106D476MAT2A	X5R	47uF	6.3	20	3.00	2.40	- - -	1000
581-12105G105Z	12105G105ZAT2A	Y5V	1.0uF	50	80,±20	.87	.73	.58	3000
581-1210YG475Z	1210YG475ZAT2A	Y5V	4.7uF	16	80,±20	1.40	1.23	1.05	3000
581-12103G475Z	12103G475ZAT2A	Y5V	4.7uF	25	80,±20	1.40	1.23	1.05	3000
581-1210ZG106Z	1210ZG106ZAT2A	Y5V	10uF	10	80,±20	1.22	1.07	.92	2500
581-12103G106Z	12103G106ZAT2A	Y5V	10uF	25	80,±20	2.40	2.10	1.95	2500
581-1210ZG226Z	1210ZG226ZAT2A	Y5V	22uF	10	80,±20	2.99	2.62	2.43	2000
581-1210ZG226Z	1210ZG226ZAT2	Y5V	22uF	10	80,±20	2.99	2.62	2.43	2000
581-1210YG226Z	1210YG226ZAT2A	Y5V	22uF	16	80,±20	3.84	3.36	2.88	4000
581-12102U181F	12102U181FAT2A	Z5U	180	200	1	3.54	3.09	2.65	2000
581-12103E334Z	12103E334ZAT2A	Z5U	0.33uF	25	80,±20	.55	.48	.41	4000
581-12105E334M	12105E334MAT2A	Z5U	0.33uF	50	20	.60	.53	.45	4000
581-12105E334Z	12105E334ZAT2A	Z5U	0.33uF	50	80,±20	.18	.16	.14	4000

AVX CERAMIC CHIP CAPACITOR KITS

MOUSER STOCK NO.	Temp Coef.	Volt	Tol. (%)	Values
581-0402CC-KIT (100 Pieces for ea. 39 values)	C0G	50V	+/-0.25 pF	0.5, 1.0, 1.5, 2.7, 3, 3.3, 3.9, 4.7, 5.6, 6.8
	C0G	50V	5	10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 150
	X5R	16V	10	0.047uF, 0.1uF
	X7R	16V	10	0.01uF, 0.012uF, 0.22uF
	X7R	25V	10	4700
	X7R	50V	10	220, 270, 470, 560, 1000, 2200, 3300
	X7R	50V	5	1000
	Y5V	16V	+80,-20	0.1uF
581-0603CC-KIT (100 Pieces for ea. 37 values)	C0G	50V	5	10, 18, 22, 27, 33, 39, 47, 68, 100, 150, 180, 220, 270, 330, 390, 470
	C0G	100V	5	15
	X5R	6.3	10	2.2uF
	X5R	10V	10	1.0uF
	X7R	10	10	0.22uF, 680
	X7R	16	5	0.1uF
	X7R	16	10	0.1uF
	X7R	25	10	0.047uF
	X7R	50	5	1000
	X7R	50	10	1500, 2200, 3300, 4700, 6800, 10000,15000, 22000
	X7R	50	5	0.01uF
	X7R	100	10	100, 1000
	Y5V	50	+80,-20	0.1uF
581-0805CC-KIT (50 Pieces for ea. 43 values)	C0G	50	+/-0.25 pF	1.0
	C0G	50	5	10, 15, 18, 22, 27, 33, 39, 47, 56, 68, 80, 100, 120,150, 220, 270, 330, 470, 560, 680, 1000
	X5R	6.3	10	10uF
	X5R	10V	10	2.2uF, 3.3uF, 4.7uF,
	X5R	25V	10	1.0uF
	X7R	25	10	0.22uF, 0.33uF, 0.47uF,
	X7R	50V	10	1000, 1500, 2200, 3300, 4700, 10000, 15000, 22000, 33000, 47000, 0.1uF
	X7R	50V	5	0.1uF
	Z5U	50	20	0.1uF

MOUSER STOCK NO.	Cap Size	Temp Coef.	Volt	Tol. (%)	Values
581-HIGHCAP-KIT (20 Pieces for ea. 28 values)	0603	X5R	6.3	10	2.2uF
	0603	X5R	16	10	1.0uF
	0603	Y5V	10	+80,-20	1.0uF
	0805	X5R	6.3	10	10uF
	0805	X5R	10	10	2.2uF,3.3uF, 4.7uF
	0805	X7R	10	10	1.0uF
	0805	Y5V	16	+80,-20	2.2uF
	0805	Y5V	25	+80,-20	1.0uF
	1206	X5R	6.3	10	22uF
	1206	X5R	6.3	20	47uF
	1206	X5R	16	10	10uF
	1206	X5R	25	10	4.7uF
	1206	X7R	10	10	2.2uF
	1206	X7R	25	10	1.0uF
	1206	Y5V	16	+80,-20	3.3uF, 4.7uF
	1210	X5R	6.3	20	47uF
	1210	X5R	16	10	22uF
	1210	X5R	25	10	10uF
	1210	X7R	16	10	4.7uF
	1210	X7R	25	10	2.2uF
	1210	X7R	50	10	1.0uF
	1210	Y5V	10	+80,-20	22uF
	1210	Y5V	25	+80,-20	10uF
	1812	X5R	6.3	10	100uF
	1812	X7T	50	10	1.0uF



Metric Code	Style	L	W	T	B	S
2012	0805	2.0(.079)±0.2(.008)	1.25(.049)±0.2(.008)	1.3 (.051)	0.5(.02)±0.25(.010)	0.75 (.030)
3216	1206	3.2(.126)±0.2(.008)	1.6(.063)±0.2(.008)	1.5 (.059)	0.5(.02)±0.25(.010)	N/A
3225	1210	3.2(.126)±0.2(.008)	2.5(.098)±0.2(.008)	1.5 (.059)	0.5(.02)±0.25(.010)	N/A
4520	1808	4.5(.177)±0.3(.012)	2.0(.079)±0.2(.008)	2.03(.08)	0.6(.024)±0.35(.014)	N/A
4532	1812	4.5(.177)±0.3(.012)	3.2(.126)±0.3(.012)	1.7(.067)	0.6(.024)±0.35(.014)	N/A
4564	1825	4.5(.177)±0.3(.012)	6.4(.250)±0.4(.016)	1.7(.067)	0.6(.024)±0.35(.014)	N/A
5664	2225	5.6(.224)±0.4(.016)	6.4(.250)±0.4(.016)	1.7(.067)	0.6(.024)±0.35(.014)	N/A

ET SMD CERAMIC CHIP ACITORS OPEN-MODE DESIGN

Open-Mode Ceramic Surface Mount Capacitor is designed to significantly the probability of a low IR or short circuit condition when forced to failure d flex situation. This reduces the potential for costly, catastrophic ents.

tion Note:

de filtering (power plane/bus)
rrent applications (battery line)
that cannot be fused to open when short circuits occur due to flex cracks

s (Exceptions):

hickness target: .9mm (104 Cap Code=1.25mm)
hickness target: .9mm (474 and 105 Cap Code=1.6mm)
hickness target: 100v (474 Cap Code=1.85mm)
50V, 104 Cap Code=.95mm
50V, 474 Cap Code=1.25mm
50V, 684 Cap Code=1.55mm
hickness target: 474 and 104, Cap Code=1mm
25V and 50V, 105 Cap Code=1.7mm
100V, 105 Cap Code=2.0mm

al:

lectric contains the following requirements based on room ture (25°C) parameters:
ng Range -55°C to 125°C, with no-bias capacitance shift limited over that range
ance and Dissipation Factor(DF) measured at 1kHZ and 1 th no bias
t:2.5%
on Resistance (IR) measured after 2 minutes at rated voltage 1,000 megohm microfarads or 100 gigohm, whichever is less.
's Open-Mode capacitors meet the stringent requirements of the tive Electronics Council's AEC-Q200-Rev B.

:
tive
lications connected directly to the battery
sions to 42V power system
Conversion
wer input side filtering

OUSER OCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
805-Temperature Coef. X7R								
05F103K1R	C0805F103K1RACTU	0.01	100	10	.34	.22	4000	.07
05F123K1R	C0805F123K1RACTU	0.12	100	10	.34	.22	4000	.07
05F153K1R	C0805F153K1RACTU	0.15	100	10	.34	.22	4000	.07
05F103K5R	C0805F103K5RACTU	0.01	50	10	.34	.22	4000	.07
05F223K5R	C0805F223K5RACTU	0.022	50	10	.29	.19	2500	.05
05F333K5R	C0805F333K5RACTU	0.033	50	10	.34	.22	4000	.07
05F473K5R	C0805F473K5RACTU	0.047	50	10	.34	.22	4000	.07
05F104K5R	C0805F104K5RACTU	0.1	50	10	.50	.33	2500	.09
206-Temperature Coef. X7R								
06F473K5R	C1206F473K5RACTU	0.047	50	10	.38	.25	4000	.08
06F104K1R	C1206F104K1RACTU	0.1	100	10	.63	.41	4000	.13
06F104K5R	C1206F104K5RACTU	0.1	50	10	.47	.30	4000	.09
06F124K1R	C1206F124K1RACTU	0.12	100	10	.68	.44	4000	.11
06F154K1R	C1206F154K1RACTU	0.15	100	10	.69	.45	2000	.12
06F224K5R	C1206F224K5RACTU	0.22	50	10	.88	.57	4000	.18
06F474K4R	C1206F474K4RACTU	0.47	16	10	1.05	.69	4000	.21
06F105K4R	C1206F105K4RACTU	1	16	10	1.24	.81	2000	.22
210-Temperature Coef. X7R								
10F104K5R	C1210F104K5RACTU	0.1	50	10	.78	.51	4000	.16
10F474K1R	C1210F474K1RACTU	0.47	100	10	2.24	1.46	2000	.40
10F474K5R	C1210F474K5RACTU	0.47	50	10	1.75	1.13	4000	.35
10F684K5R	C1210F684K5RACTU	0.68	50	10	1.75	1.13	2000	.31
812-Temperature Coef. X7R								
12F104K2R	C1812F104K2RACTU	0.1	200	10	2.01	1.45	1000	.59
12F104K1R	C1812F104K1RACTU	0.1	100	10	1.66	1.20	1000	.49
12F104K5R	C1812F104K5RACTU	0.1	50	10	1.44	1.04	1000	.42
12F474K5R	C1812F474K5RACTU	0.47	50	10	1.95	1.41	1000	.57
12F474K3R	C1812F474K3RACTU	0.47	25	10	1.95	1.41	1000	.57
12F105K1R	C1812F105K1RACTU	1	100	10	6.58	4.75	1000	1.94
12F105K5R	C1812F105K5RACTU	1	50	10	5.49	3.96	1000	1.62
12F105K3R	C1812F105K3RACTU	1	25	10	5.49	3.96	1000	1.62

KEMET SMD HIGH VOLTAGE CERAMIC CAPACITORS

KEMET's High Voltage Surface Mount Capacitors are designed to withstand high voltage applications. They offer high capacitance with low leakage current and low ESR at high frequency. The capacitors have pure tin (Sn) plated external electrodes for good solderability. X7R dielectrics are not designed for AC line filtering applications. An insulating coating may be required to prevent surface arcing. These components are RoHS compliant.

Applications:

- Switch mode power supply
- Input filter
- Resonators
- Tank circuit
- Snubber circuit
- Output filter
- High voltage coupling
- High voltage DC blocking
- Lighting ballast
- Voltage multiplier circuits
- Coupling capacitors/CUK

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
Style 0805-Temperature Coef: C0G								
80-C0805C100JCG	C0805C100JCGACTU	10	500	5	.23	.18	2500	.13
80-C0805C100JDG	C0805C100JDGACTU	10	1000	5	.24	.19	2500	.14
80-C0805C220JCG	C0805C220JCGACTU	22	500	5	.23	.18	2500	.13
80-C0805C220JDG	C0805C220JDGACTU	22	1000	5	.24	.19	2500	.14
80-C0805C101KCG	C0805C101KCGACTU	100	500	10	.17	.15	2500	.09
80-C0805C101JCG	C0805C101JCGACTU	100	500	5	.18	.16	2500	.09
Style 0805-Temperature Coef: X7R								
80-C0805C271KDR	C0805C271KDRACTU	270	1000	10	.19	.17	2500	.10
80-C0805C471KDR	C0805C471KDRACTU	470	1000	10	.19	.17	2500	.10
80-C0805C681KDR	C0805C681KDRACTU	680	1000	10	.19	.17	2500	.10
80-C0805C102K5R	C0805C102K5RACTU	1000	500	10	.03	.02	2500	.01
Style 1206-Temperature Coef: C0G								
80-C1206C220KCG	C1206C220KCGACTU	22	500	10	.62	.49	2000	.37
80-C1206C330KCG	C1206C330KCGACTU	33	500	10	.62	.50	2000	.40
80-C1206C330KDG	C1206C330KDGACTU	33	1000	10	.66	.53	2000	.43
80-C1206C101KCG	C1206C101KCGACTU	100	500	10	.63	.50	2000	.41
80-C1206C101JCG	C1206C101JCGACTU	100	500	5	.68	.55	2000	.44
80-C1206C101KDG	C1206C101KDGACTU	100	1000	10	.67	.53	2000	.43
80-C1206C101KGG	C1206C101KGGACTU	100	2000	10	.75	.60	2000	.49
80-C1206C102JCG	C1206C102JCGACTU	1000	500	5	.70	.56	2000	.46
80-C1206C102KCR	C1206C102KCRACTU	1000	500	10	.20	.16	2000	.12
80-C1206C102KDR	C1206C102KDRACTU	1000	1000	10	.23	.18	2000	.14
80-C1206C103KCR	C1206C103KCRACTU	0.01uF	500	10	.56	.49	2000	.28
Style 1210-Temperature Coef: C0G								
80-C1210C681KCG	C1210C681KCGACTU	680	500	10	.56	.49	2000	.86
80-C1210C681KDG	C1210C681KDGACTU	680	1000	10	.56	.49	2000	.91
80-C1210C102KCG	C1210C102KCGACTU	1000	500	10	.56	.49	2000	.87
80-C1210C102KDG	C1210C102KDGACTU	1000	1000	10	.56	.49	2000	.92
Style 1210-Temperature Coef: X7R								
80-C1210C101KGR	C1210C101KGRACTU	100	2000	10	.97	.85	2000	.48
80-C1210C221KFR	C1210C221KFRACTU	220	1500	10	.92	.81	2000	.50
80-C1210C681KGR	C1210C681KGRACTU	680	2000	10	.99	.86	2000	.49
80-C1210C473KCR	C1210C473KCRACTU	47000	500	10	1.07	.86	2000	.70
Style 1808-Temperature Coef: X7R								
80-C1808C101KHR	C1808C101KHRACTU	100	1500	10	1.44	1.26	2000	.72
80-C1808C102KGR	C1808C102KGRACTU	1000	2000	10	1.30	1.14	2000	.65
80-C1808C103KDR	C1808C103KDRACTU	0.01uF	1000	10	1.18	1.03	2000	.59
Style 1812-Temperature Coef: C0G								
80-C1812C102KDG	C1812C102KDGACTU	1000	1000	10	1.44	1.26	1000	1.08
Style 1812-Temperature Coef: X7R								
80-C1812C102KDR	C1812C102KDRACTU	1000	1000	10	1.24	1.09	1000	.93
80-C1812C102KGR	C1812C102KGRACTU	1000	2000	10	1.39	1.22	1000	1.05
80-C1812C102KHR	C1812C102KHRACTU	1000	3000	10	1.57	1.37	1000	1.17
80-C1812C222JDR	C1812C222JDRACTU	1000	1000	10	1.69	1.35	1000	1.10
80-C1812C472KDR	C1812C472KDRACTU	4700	1000	10	1.26	1.10	1000	.94
80-C1812C103KCR	C1812C103KCRACTU	0.01uF	500	10	1.19	1.04	1000	.89
80-C1812C103KDR	C1812C103KDRACTU	0.01uF	1000	10	1.26	1.11	1000	.95
80-C1812C473KCR	C1812C473KCRACTU	0.047uF	500	10	1.21	1.06	1000	.90
Style 1825-Temperature Coef: X7R								
80-C1825C102KZR	C1825C102KZRACTU	1000	2500	10	3.08	2.69	1000	2.31
80-C1825C102KHR	C1825C102KHRACTU	1000	3000	10	4.08	3.26	1000	2.85
80-C1825C103KCR	C1825C103KCRACTU	.01uF	500	10	3.10	2.48	1000	2.17
80-C1825C103KDR	C1825C103KDRACTU	.01uF	1000	10	3.29	2.63	1000	2.30
80-C1825C104KCR	C1825C104KCRACTU	0.1uF	500	10	2.53	2.21	1000	1.90
Style 2225-Temperature Coef: X7R								
80-C2225C103KGR	C2225C103KGRACTU	.01uF	2000	10	6.68	5.35	1000	4.68
80-C2225C104KCR	C2225C104KCRACTU	0.1uF	500	10	4.57	4.00	1000	3.43
80-C2225C224KCR	C2225C224KCRACTU	0.22uF	500	10	4.60	4.02	1000	3.45

KEMET

Ceramic Caps, SMD

Kemet

KEMET CERAMIC CHIP CAPACITORS

KEMET multilayer ceramic chip capacitors are produced in plants designed specifically for chip capacitors manufacture. The process features a high degree of mechanization as well as precise controls over raw materials and process conditions. Manufacturing is supplemented by extensive Technology, Engineering and Quality Assurance programs.

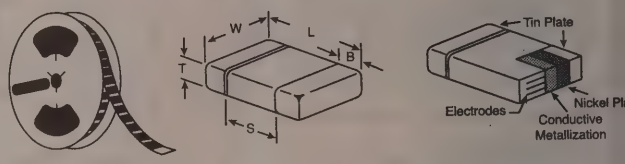
Features:

- C0G (NP0), X7R, Z5U, and Y5V Dielectrics
- 10, 16, 25, 50, 100 and 200 Volts
- Standard end metalization: Tin-plate over nickel barrier
- Available capacitance tolerances: ±0.10 pF; ±0.25 pF; ±0.5pF; ±1%; ±2%; ±10%; ±20%; and ±80%-20%

Application Note:

- A higher voltage capacitor may be used in a lower voltage application

Dimensions: mm and



Style	L	W	T	B	S
0402	1.0(.04)±0.05(.002)	0.5(.02)±0.05(.002)	0.55 (.022)	.20(.008)-0.40(.016)	0.3 (.0

Case Size 0402

For quantities of 50,000 and up, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
Temperature Coef: C0G								
80-C0402C508C5G	C0402C508C5GACTU	0.5	50	.25pF	.35	.23	10,000	.06
80-C0402C109C5G	C0402C109C5GACTU	1	50	.25pF	.06	.04	10,000	.01
80-C0402C129C5G	C0402C129C5GACTU	1.2	50	.25pF	.06	.04	10,000	.01
80-C0402C159C5G	C0402C159C5GACTU	1.5	50	.25pF	.06	.04	10,000	.01
80-C0402C189C5G	C0402C189C5GACTU	1.8	50	.25pF	.06	.04	10,000	.01
80-C0402C209C5G	C0402C209C5GACTU	2	50	.25pF	.37	.24	10,000	.07
80-C0402C229C5G	C0402C229C5GACTU	2.2	50	.25pF	.06	.04	10,000	.01
80-C0402C279C5G	C0402C279C5GACTU	2.7	50	.25pF	.06	.04	10,000	.01
80-C0402C309C5G	C0402C309C5GACTU	3	50	.25pF	.37	.24	10,000	.07
80-C0402C339C5G	C0402C339C5GACTU	3.3	50	.25pF	.06	.04	10,000	.01
80-C0402C369C5G	C0402C369C5GACTU	3.6	50	.25pF	.37	.24	10,000	.07
80-C0402C399C5G	C0402C399C5GACTU	3.9	50	.25pF	.06	.04	10,000	.01
80-C0402C479C3G	C0402C479C3GACTU	4.7	25	.25pF	.30	.19	10,000	.05
80-C0402C479D5G	C0402C479D5GACTU	4.7	50	.5pF	.31	.20	10,000	.06
80-C0402C479C5G	C0402C479C5GACTU	4.7	50	.25pF	.06	.04	10,000	.01
80-C0402C519C5G	C0402C519C5GACTU	5.1	50	.25pF	.41	.27	10,000	.07
80-C0402C569C5G	C0402C569C5GACTU	5.6	50	.25pF	.06	.04	10,000	.01
80-C0402C569D5G	C0402C569D5GACTU	5.6	50	.5pF	.31	.20	10,000	.06
80-C0402C689D5G	C0402C689D5GACTU	6.8	50	.5pF	.31	.20	10,000	.06
80-C0402C689C5G	C0402C689C5GACTU	6.8	50	.25pF	.06	.04	10,000	.01
80-C0402C829C5G	C0402C829C5GACTU	8.2	50	.25pF	.07	.05	10,000	.01
80-C0402C829D5G	C0402C829D5GACTU	8.2	50	.5pF	.16	.06	10,000	.05
80-C0402C919D5G	C0402C919D5GACTU	9.1	50	.5pF	.37	.24	10,000	.07
80-C0402C100C8G	C0402C100C8GACTU	10	10	.25pF	.66	.43	10,000	.13
80-C0402C100D3G	C0402C100D3GACTU	10	25	.5pF	.31	.20	10,000	.06
80-C0402C100C5G	C0402C100C5GACTU	10	50	.25pF	.66	.43	10,000	.13
80-C0402C100D5G	C0402C100D5GACTU	10	50	.5pF	.31	.20	10,000	.06
80-C0402C100J5G	C0402C100J5GACTU	10	50	5	.05	.04	10,000	.01
80-C0402C110J5G	C0402C110J5GACTU	11	50	.25pF	.42	.27	10,000	.08
80-C0402C120C5G	C0402C120C5GACTU	12	50	.25pF	.79	.51	10,000	.14
80-C0402C120J5G	C0402C120J5GACTU	12	50	5	.05	.04	10,000	.01
80-C0402C150J4G	C0402C150J4GACTU	15	16	50	.02	.01	10,000	.01
80-C0402C150C5G	C0402C150C5GACTU	15	50	.25pF	1.41	.92	10,000	.28
80-C0402C150J5G	C0402C150J5GACTU	15	50	5	.05	.04	10,000	.01
80-C0402C180J5G	C0402C180J5GACTU	18	50	5	.06	.04	10,000	.01
80-C0402C200J5G	C0402C200J5GACTU	20	50	5	.42	.27	10,000	.08
80-C0402C220J3G	C0402C220J3GACTU	22	25	5	.35	.23	10,000	.06
80-C0402C220C5G	C0402C220C5GACTU	22	50	.25pF	1.88	1.22	10,000	.38
80-C0402C220J5G	C0402C220J5GACTU	22	50	5	.05	.04	10,000	.01
80-C0402C240J3G	C0402C240J3GACTU	24	25	5	.42	.27	10,000	.08
80-C0402C240J5G	C0402C240J5GACTU	24	50	5	.42	.27	10,000	.08
80-C0402C270J5G	C0402C270J5GACTU	27	50	5	.05	.04	10,000	.01
80-C0402C330J3G	C0402C330J3GACTU	33	25	5	.35	.23	10,000	.06
80-C0402C330D5G	C0402C330D5GACTU	33	50	.5pF	1.41	.92	10,000	.28
80-C0402C330J5G	C0402C330J5GACTU	33	50	5	.05	.04	10,000	.01
80-C0402C360J5G	C0402C360J5GACTU	36	50	5	.42	.27	10,000	.08
80-C0402C390J5G	C0402C390J5GACTU	39	50	5	.05	.04	10,000	.01
80-C0402C470J3G	C0402C470J3GACTU	47	25	5	.35	.23	10,000	.06
80-C0402C470D5G	C0402C470D5GACTU	47	50	.5pF	2.01	1.31	10,000	.40
80-C0402C470J5G	C0402C470J5GACTU	47	50	5	.05	.04	10,000	.01
80-C0402C560J5G	C0402C560J5GACTU	56	50	5	.05	.04	10,000	.01
80-C0402C680J5G	C0402C680J5GACTU	68	50	5	.06	.04	10,000	.01
80-C0402C750J5G	C0402C750J5GACTU	75	50	5	.42	.27	10,000	.08
80-C0402C820G3G	C0402C820G3GACTU	82	25	2	1.23	.80	10,000	.22
80-C0402C820J3G	C0402C820J3GACTU	82	25	5	.35	.23	10,000	.06
80-C0402C820J5G	C0402C820J5GACTU	82	50	2	.18	.07	10,000	.06
80-C0402C910J5G	C0402C910J5GACTU	91	50	2	.21	.08	10,000	.07
80-C0402C101J3G	C0402C101J3GACTU	100	25	5	.05	.04	10,000	.01
80-C0402C101K3G	C0402C101K3GACTU	100	25	10	.34	.22	10,000	.06
80-C0402C101J5G	C0402C101J5GACTU	100	50	5	.04	.03	10,000	.01
Temperature Coef: X7R								
80-C0402C123K9R	C0402C123K9RACTU	.012uF	6.3	10	.37	.24	10,000	.07
80-C0402C123K8R	C0402C123K8RACTU	.012uF	10	10	.37	.24	10,000	.07
80-C0402C123K4R	C0402C123K4RACTU	.012uF	16	10	.39	.25	10,000	.08
80-C0402C153K9R	C0402C153K9RACTU	0.015uF	6.3	10	.37	.24	10,000	.07
80-C0402C153K8R	C0402C153K8RACTU	0.015uF	10	10	.37	.24	10,000	.07
80-C0402C153K4R	C0402C153K4RACTU	0.015uF	16	10	.39	.25	10,000	.08
80-C0402C183K9R	C0402C183K9RACTU	.018uF	6.3	10	.37	.24	10,000	.07
80-C0402C183K8R	C0402C183K8RACTU	.018uF	10	10	.37	.24	10,000	.07
80-C0402C183K4R	C0402C183K4RACTU	.018uF	16	10	.39	.25	10,000	.08

Case Size 0402 (cont.)

For quantities of 50,000 and up, call for

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	P E
Temperature Coef: X7R (cont.)								
80-C0402C223K9R	C0402C223K9RACTU	.022uF	6.3	10	.37	.24	10,000	
80-C0402C223K8R	C0402C223K8RACTU	.022uF	10	10	.37	.24	10,000	
80-C0402C223K4R	C0402C223K4RACTU	.022uF	16	10	.39	.25	10,000	
80-C0402C273K9R	C0402C273K9RACTU	.027uF	6.3	10	.37	.24	10,000	
80-C0402C273K8R	C0402C273K8RACTU	.027uF	10	10	.37	.24	10,000	
80-C0402C273K4R	C0402C273K4RACTU	.027uF	16	10	.39	.25	10,000	
80-C0402C333K9R	C0402C333K9RACTU	.033uF	6.3	10	.37	.24	10,000	
80-C0402C333K8R	C0402C333K8RACTU	.033uF	10	10	.37	.24	10,000	
80-C0402C333K4R	C0402C333K4RACTU	.033uF	16	10	.39	.25	10,000	
80-C0402C393K9R	C0402C393K9RACTU	.039uF	6.3	10	.37	.24	10,000	
80-C0402C393K8R	C0402C393K8RACTU	.039uF	10	10	.37	.24	10,000	
80-C0402C393K4R	C0402C393K4RACTU	.039uF	16	10	.39	.25	10,000	
80-C0402C473K9R	C0402C473K9RACTU	.047uF	6.3	10	.37	.24	10,000	
80-C0402C473K8R	C0402C473K8RACTU	.047uF	10	10	.37	.24	10,000	
80-C0402C473K4R	C0402C473K4RACTU	.047uF	16	10	.39	.25	10,000	
80-C0402C563K9R	C0402C563K9RACTU	.056uF	6.3	10	.37	.24	10,000	
80-C0402C563K8R	C0402C563K8RACTU	.056uF	10	10	.37	.24	10,000	
80-C0402C563K4R	C0402C563K4RACTU	.056uF	16	10	.39	.25	10,000	
80-C0402C683K9R	C0402C683K9RACTU	.068uF	6.3	10	.37	.24	10,000	
80-C0402C683K8R	C0402C683K8RACTU	.068uF	10	10	.37	.24	10,000	
80-C0402C683K4R	C0402C683K4RACTU	.068uF	16	10	.39	.25	10,000	
80-C0402C823K9R	C0402C823K9RACTU	.082uF	6.3	10	.37	.24	10,000	
80-C0402C823K8R	C0402C823K8RACTU	.082uF	10	10	.37	.24	10,000	
80-C0402C823K4R	C0402C823K4RACTU	.082uF	16	10	.39	.25	10,000	
80-C0402C104K9R	C0402C104K9RACTU	0.1uF	6.3	10	.05	.03	10,000	
80-C0402C104K8R	C0402C104K8RACTU	0.1uF	10	10	.05	.03	10,000	
80-C0402C104K4R	C0402C104K4RACTU	0.1uF	16	10	.08	.05	10,000	
80-C0402C105K9R	C0402C105K9RACTU	1.0uF	6.3	10	.19	.12	10,000	
80-C0402C151J5R	C0402C151J5RACTU	150	50	5	.52	.34	10,000	
80-C0402C151K5R	C0402C151K5RACTU	150	50	10	.37	.24	10,000	
80-C0402C151J3R	C0402C151J3RACTU	150	25	5	.52	.34	10,000	
80-C0402C181K5R	C0402C181K5RACTU	180	50	10	.37	.24	10,000	
80-C0402C221J5R	C0402C221J5RACTU	220	50	5	.52	.35	10,000	
80-C0402C221K5R	C0402C221K5RACTU	220	50	10	.37	.24	10,000	
80-C0402C271J5R	C0402C271J5RACTU	270	50	5	.52	.34	10,000	
80-C0402C271K5R	C0402C271K5RACTU	270	50	10	.37	.24	10,000	
80-C0402C331J5R	C0402C331J5RACTU	330	50	5	.52	.34	10,000	
80-C0402C331K5R	C0402C331K5RACTU	330	50	10	.37	.24	10,000	
80-C0402C391J5R	C0402C391J5RACTU	390	50	5	.52	.34	10,000	
80-C0402C391K5R	C0402C391K5RACTU	390	50	10	.37	.24	10,000	
80-C0402C471K3R	C0402C471K3RACTU	470	25	10	.19	.07	10,000	
80-C0402C471J5R	C0402C471J5RACTU	470	50	5	.52	.34	10,000	
80-C0402C471K5R	C0402C471K5RACTU	470	50	10	.38	.25	10,000	
80-C0402C561J5R	C0402C561J5RACTU	560	50	5	.52	.34	10,000	
80-C0402C561K5R	C0402C561K5RACTU	560	50	10	.07	.05	10,000	
80-C0402C681J5R	C0402C681J5RACTU	680	50	5	.52	.34	10,000	
80-C0402C681K5R	C0402C681K5RACTU	680	50	10	.07	.05	10,000	
80-C0402C821K5R	C0402C821K5RACTU	820	50	10	.07	.05	10,000	
80-C0402C102J4R	C0402C102J4RACTU	1000	16	50	.49	.32	10,000	
80-C0402C102J5R	C0402C102J5RACTU	1000	50	5	.49	.32	10,000	
80-C0402C102K5R	C0402C102K5RACTU	1000	50	10	.05	.04	10,000	
80-C0402C102J3R	C0402C102J3RACTU	1000	25	5	.49	.32	10,000	
80-C0402C102K3R	C0402C102K3RACTU	1000	25	10	.35	.23	10,000	
80-C0402C122K5R	C0402C122K5RACTU	1200	50	10	.07	.04	10,000	
80-C0402C152J5R	C0402C152J5RACTU	1500	50	5	.52	.34	10,000	
80-C0402C152K5R	C0402C152K5RACTU	1500	50	10	.38	.25	10,000	
80-C0402C182K5R	C0402C182K5RACTU	1800	50	10	.37	.24	10,000	
80-C0402C222K3R	C0402C222K3RACTU	2200	25	10	.06	.04	10,000	
80-C0402C222K5R	C0402C222K5RACTU	2200	50	10	.37	.24	10,000	
80-C0402C272J3R	C0402C272J3RACTU	2700	25	5	.52	.34	10,000	
80-C0402C272K3R	C0402C272K3RACTU	2700	25	10	.07	.04	10,000	
80-C0402C272K5R	C0402C272K5RACTU	2700	50	10	.19	.07	10,000	
80-C0402C332K4R	C0402C332K4RACTU	3300	16	10	.37	.24	10,000	
80-C0402C332K3R	C0402C332K3RACTU	3300	25	10	.07	.04	10,000	
80-C0402C332K5R	C0402C332K5RACTU	3300	50	10	.19	.07	10,000	
80-C0402C392J3R	C0402C392J3RACTU	3900	25	5	.52	.34	10,000	
80-C0402C392K3R	C0402C392K3RACTU	3900	25	10	.05	.04	10,000	
80-C0402C392K5R	C0402C392K5RACTU	3900	50	10	.19	.07	10,000	
80-C0402C472J3R	C0402C472J3RACTU	4700	25	5	.52	.34	10,000	

MOUSER ELECTRONICS a ttl company

KEMET

ET CERAMIC CHIP CAPACITORS (CONT.)

Size 0402 (cont.)

Please call a Mouser representative for information of product not listed.

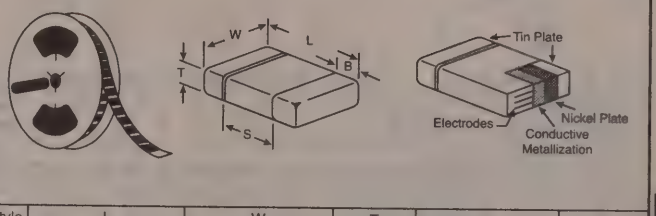
MOUSER TOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
erature Coef: X7R (cont.)								
402C472K3R	C0402C472K3RACTU	4700	25	10	.05	.04	10,000	.01
402C472K5R	C0402C472K5RACTU	4700	50	10	.19	.07	10,000	.06
402C562J4R	C0402C562J4RACTU	5600	16	5	.52	.34	10,000	.09
402C562K4R	C0402C562K4RACTU	5600	16	10	.37	.24	10,000	.07
402C562K3R	C0402C562K3RACTU	5600	25	10	.22	.14	10,000	.04
402C562K5R	C0402C562K5RACTU	5600	50	10	.22	.14	10,000	.04
402C682J3R	C0402C682J3RACTU	6800	25	5	.52	.34	10,000	.09
402C682K3R	C0402C682K3RACTU	6800	25	10	.22	.14	10,000	.04
402C682K5R	C0402C682K5RACTU	6800	50	10	.11	.04	10,000	.04
402C822K4R	C0402C822K4RACTU	8200	16	10	.37	.24	10,000	.07
402C822K3R	C0402C822K3RACTU	8200	25	10	.22	.14	10,000	.04
402C822K5R	C0402C822K5RACTU	8200	50	10	.22	.14	10,000	.04
402C103K9R	C0402C103K9RACTU	.01uF	6.3	10	.21	.14	10,000	.04
402C103K8R	C0402C103K8RACTU	.01uF	10	10	.35	.23	10,000	.07
402C103J4R	C0402C103J4RACTU	.01uF	16	5	.49	.32	10,000	.09
402C103K4R	C0402C103K4RACTU	.01uF	16	10	.05	.04	10,000	.01
402C103J3R	C0402C103J3RACTU	.01uF	25	5	.49	.32	10,000	.09
402C103K3R	C0402C103K3RACTU	.01uF	25	10	.05	.04	10,000	.01
402C103M3R	C0402C103M3RACTU	.01uF	25	20	.21	.13	10,000	.04
402C103J5R	C0402C103J5RACTU	.01uF	50	5	.49	.32	10,000	.10
402C103K5R	C0402C103K5RACTU	.01uF	50	10	.21	.14	10,000	.04
402C103M5R	C0402C103M5RACTU	.01uF	50	20	.21	.13	10,000	.04
402C123K9P	C0402C123K9PACTU	.012uF	6.3	10	.21	.14	10,000	.04
402C123K8P	C0402C123K8PACTU	.012uF	10	10	.21	.14	10,000	.04
rature Coef: X5R								
402C153K9P	C0402C153K9PACTU	.015uF	6.3	10	.21	.14	10,000	.04
402C153K8P	C0402C153K8PACTU	.015uF	10	10	.21	.14	10,000	.04
402C183K9P	C0402C183K9PACTU	.018uF	6.3	10	.21	.14	10,000	.04
402C183K8P	C0402C183K8PACTU	.018uF	10	10	.21	.14	10,000	.04
402C223K9P	C0402C223K9PACTU	.022uF	6.3	10	.22	.14	10,000	.04
402C223K8P	C0402C223K8PACTU	.022uF	10	10	.24	.14	10,000	.04
402C273K9P	C0402C273K9PACTU	.027uF	6.3	10	.22	.14	10,000	.04
402C273K8P	C0402C273K8PACTU	.027uF	10	10	.22	.14	10,000	.04
402C333K9P	C0402C333K9PACTU	.033uF	6.3	10	.23	.15	10,000	.05
402C333K8P	C0402C333K8PACTU	.033uF	10	10	.12	.05	10,000	.04
402C473K9P	C0402C473K9PACTU	.047uF	6.3	10	.24	.16	10,000	.05
402C473K8P	C0402C473K8PACTU	.047uF	10	10	.24	.16	10,000	.05
402C473M8P	C0402C473M8PACTU	.047uF	10	20	.23	.15	10,000	.05
402C683K9P	C0402C683K9PACTU	.068uF	6.3	10	.25	.16	10,000	.05
402C683K8P	C0402C683K8PACTU	.068uF	10	10	.13	.05	10,000	.04
402C104K9P	C0402C104K9PACTU	.1uF	6.3	10	.26	.17	10,000	.05
402C104K8P	C0402C104K8PACTU	.1uF	10	10	.08	.16	10,000	.08
402C104M8P	C0402C104M8PACTU	.1uF	10	20	.13	.13	10,000	.08
rature Coef: Y5V								
402C104Z9V	C0402C104Z9VACTU	.1uF	6.3	+80, -20	.23	.15	10,000	.05
402C104Z8V	C0402C104Z8VACTU	.1uF	10	+80, -20	.23	.15	10,000	.05
402C104Z4V	C0402C104Z4VACTU	.1uF	16	+80, -20	.24	.16	10,000	.04
402C104M4V	C0402C104M4VACTU	.1uF	16	20	.05	.03	10,000	.01

Size 0603

Please call a Mouser representative for information of product not listed.

OUSER OCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
rature Coef: C0G								
03C508C5G	C0603C508C5GACTU	0.5	50	.25pF	.44	.29	4,000	.08
03C758C5G	C0603C758C5GACTU	0.75	50	.25pF	.44	.29	4,000	.09
03C109C5G	C0603C109C5GACTU	1	50	.25pF	.37	.24	4,000	.07
03C109C1G	C0603C109C1GACTU	1	100	.25pF	.43	.28	4,000	.08
03C129C5G	C0603C129C5GACTU	1.2	50	.25pF	.37	.24	4,000	.07
03C159C5G	C0603C159C5GACTU	1.5	50	.25pF	.37	.24	4,000	.07
03C189C5G	C0603C189C5GACTU	1.8	50	.25pF	.37	.24	4,000	.07
03C189C1G	C0603C189C1GACTU	1.8	100	.25pF	.43	.28	4,000	.08
03C209C5G	C0603C209C5GACTU	2	50	.25pF	.44	.29	4,000	.08
03C229C5G	C0603C229C5GACTU	2.2	50	.25pF	.37	.24	4,000	.07
03C249C5G	C0603C249C5GACTU	2.4	50	.25pF	.44	.29	4,000	.08
03C279D5G	C0603C279D5GACTU	2.7	50	.5pF	.21	.14	4,000	.04
03C279C5G	C0603C279C5GACTU	2.7	50	.25pF	.37	.24	4,000	.07
03C279C1G	C0603C279C1GACTU	2.7	100	.25pF	.43	.28	4,000	.08
03C309C5G	C0603C309C5GACTU	3	50	.25pF	.44	.29	4,000	.08
03C339C5G	C0603C339C5GACTU	3.3	50	.25pF	.37	.24	4,000	.07
03C399C5G	C0603C399C5GACTU	3.9	50	.25pF	.37	.24	4,000	.07
03C439C5G	C0603C439C5GACTU	4.3	50	.25pF	.44	.29	4,000	.08
03C479D5G	C0603C479D5GACTU	4.7	50	.5pF	.21	.14	4,000	.04
03C479C5G	C0603C479C5GACTU	4.7	50	.25pF	.37	.24	4,000	.07
03C509C5G	C0603C509C5GACTU	5	50	.25pF	1.29	.84	4,000	.23
03C519C5G	C0603C519C5GACTU	5.1	50	.25pF	.53	.34	4,000	.10
03C569C5G	C0603C569C5GACTU	5.6	50	.25pF	.44	.29	4,000	.08
03C569K5G	C0603C569K5GACTU	5.6	50	10	.20	.13	4,000	.04
03C689C5G	C0603C689C5GACTU	6.8	50	.25pF	.47	.31	4,000	.09
03C689J5G	C0603C689J5GACTU	6.8	50	5	.33	.21	4,000	.06
03C759C5G	C0603C759C5GACTU	7.5	50	.25pF	.64	.41	4,000	.11
3C829D5G	C0603C829D5GACTU	8.2	50	.5pF	.21	.14	4,000	.04
3C829C5G	C0603C829C5GACTU	8.2	50	.25pF	.53	.34	4,000	.10
3C100C5G	C0603C100C5GACTU	10	50	.25pF	.63	.41	4,000	.13

Dimensions: mm and (IN)



Style	L	W	T	B	S
0402	1.0(.04)±0.05(.002)	0.5(.02)±0.05(.002)	0.55 (.022)	.20(.008)-0.40(.016)	0.3 (.012)
0603	1.6(.063)±0.15(.006)	0.8(.032)±0.15(.006)	0.9 (.035)	.35(.014)±0.15(.006)	0.7 (.028)

Case Size 0603 (cont.)

Please call a Mouser representative for information of product not listed.

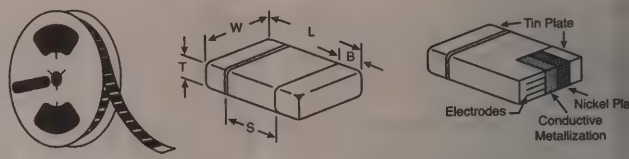
MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
Temperature Coef: C0G (cont.)								
80-C0603C100D5G	C0603C100D5GACTU	10	50	.5pF	.21	.14	4,000	.04
80-C0603C100J5G	C0603C100J5GACTU	10	50	5	.07	.05	4,000	.02
80-C0603C100K5G	C0603C100K5GACTU	10	50	10	.20	.13	4,000	.04
80-C0603C100J1G	C0603C100J1GACTU	10	100	5	.24	.16	4,000	.04
80-C0603C120C5G	C0603C120C5GACTU	12	50	.25pF	.74	.48	4,000	.13
80-C0603C120J5G	C0603C120J5GACTU	12	50	5	.21	.14	4,000	.04
80-C0603C120J1G	C0603C120J1GACTU	12	100	5	.24	.16	4,000	.04
80-C0603C130J5G	C0603C130J5GACTU	13	50	5	.25	.16	4,000	.05
80-C0603C150G5G	C0603C150G5GACTU	15	50	2	.74	.48	4,000	.13
80-C0603C150J5G	C0603C150J5GACTU	15	50	5	.07	.05	4,000	.02
80-C0603C160J5G	C0603C160J5GACTU	16	50	5	.25	.16	4,000	.05
80-C0603C180C5G	C0603C180C5GACTU	18	50	.25pF	1.25	.82	4,000	.23
80-C0603C180J5G	C0603C180J5GACTU	18	50	5	.21	.14	4,000	.04
80-C0603C180K5G	C0603C180K5GACTU	18	50	10	.20	.13	4,000	.04
80-C0603C180J1G	C0603C180J1GACTU	18	100	5	.24	.16	4,000	.04
80-C0603C200J5G	C0603C200J5GACTU	20	50	5	.25	.16	4,000	.05
80-C0603C200K5G	C0603C200K5GACTU	20	50	10	.24	.16	4,000	.04
80-C0603C200J1G	C0603C200J1GACTU	20	100	5	.29	.19	4,000	.05
80-C0603C220G5G	C0603C220G5GACTU	22	50	2	.74	.48	4,000	.13
80-C0603C220J5G	C0603C220J5GACTU	22	50	5	.07	.05	4,000	.02
80-C0603C220K5G	C0603C220K5GACTU	22	50	10	.20	.13	4,000	.04
80-C0603C220J1G	C0603C220J1GACTU	22	100	5	.24	.16	4,000	.04
80-C0603C270F5G	C0603C270F5GACTU	27	50	1	1.47	.96	4,000	.27
80-C0603C270G5G	C0603C270G5GACTU	27	50	2	.74	.48	4,000	.13
80-C0603C270J5G	C0603C270J5GACTU	27	50	5	.04	.03	4,000	.03
80-C0603C270K5G	C0603C270K5GACTU	27	50	10	.20	.13	4,000	.04
80-C0603C270J1G	C0603C270J1GACTU	27	100	5	.24	.16	4,000	.04
80-C0603C300J5G	C0603C300J5GACTU	30	50	5	.25	.16	4,000	.05
80-C0603C330F5G	C0603C330F5GACTU	33	50	1	1.47	.96	4,000	.27
80-C0603C330G5G	C0603C330G5GACTU	33	50	2	.74	.48	4,000	.13
80-C0603C330J5G	C0603C330J5GACTU	33	50	5	.12	.10	4,000	.07
80-C0603C330K5G	C0603C330K5GACTU	33	50	10	.20	.13	4,000	.04
80-C0603C330J1G	C0603C330J1GACTU	33	100	5	.24	.16	4,000	.04
80-C0603C360J5G	C0603C360J5GACTU	36	50	5	.25	.16	4,000	.05
80-C0603C390G5G	C0603C390G5GACTU	39	50	2	.74	.48	4,000	.13
80-C0603C390J5G	C0603C390J5GACTU	39	50	5	.21	.14	4,000	.04
80-C0603C390J1G	C0603C390J1GACTU	39	100	5	.24	.16	4,000	.04
80-C0603C430G5G	C0603C430G5GACTU	43	50	2	.89	.58	4,000	.16
80-C0603C470J5G	C0603C470J5GACTU	47	50	5	.07	.05	4,000	.02
80-C0603C470K5G	C0603C470K5GACTU	47	50	5	.20	.13	4,000	.04
80-C0603C470D5G	C0603C470D5GACTU	47	50	.5pF	1.47	.96	4,000	.29
80-C0603C470F1G	C0603C470F1GACTU	47	100	0	1.69	1.10	4,000	.30
80-C0603C470K1G	C0603C470K1GACTU	47	100	10	.23	.15	4,000	.04
80-C0603C560F5G	C0603C560F5GACTU	56	50	1	1.47	.96	4,000	.27
80-C0603C560G5G	C0603C560G5GACTU	56	50	2	.74	.48	4,000	.13
80-C0603C560J5G	C0603C560J5GACTU	56	50	5	.21	.14	4,000	.04
80-C0603C620J5G	C0603C620J5GACTU	62	50	5	.25	.16	4,000	.05
80-C0603C680G5G	C0603C680G5GACTU	68	50	2	.74	.48	4,000	.13
80-C0603C680J5G	C0603C680J5GACTU	68	50	5	.21	.14	4,000	.04
80-C0603C680J1G	C0603C680J1GACTU	68	100	5	.24	.16	4,000	.04
80-C0603C750J5G	C0603C750J5GACTU	75	50	5	.25	.16	4,000	.05
80-C0603C820F5G	C0603C820F5GACTU	82	50	1	1.47	.96	4,000	.27
80-C0603C820G5G	C0603C820G5GACTU	82	50	2	.74	.48	4,000	.13
80-C0603C820J5G	C0603C820J5GACTU	82	50	5	.12	.10	4,000	.07
80-C0603C820K5G	C0603C820K5GACTU	82	50		.20	.13	4,000	.04
80-C0603C910J5G	C0603C910J5GACTU	91	50	5	.25	.16	4,000	.05
80-C0603C101F5G	C0603C101F5GACTU	100	50	1	1.47	.96	4,000	.27
80-C0603C101J5G	C0603C101J5GACTU	100	50	5	.07	.06	4,000	.02
80-C0603C101K5G	C0603C101K5GACTU	100	50	10	.20	.13	4,000	.04
80-C0603C101F1G	C0603C101F1GACTU	100	100	1	1.69	1.10	4,000	.30
80-C0603C101J1G	C0603C101J1GACTU	100	100	5	.24	.16	4,000	.04
80-C0603C101K1G	C0603C101K1GACTU	100	100	10	.23	.15	4,000	.04
80-C0603C121F5G	C0603C121F5GACTU	120	50	1	1.62	1.05	4,000	.29
80-C0603C121G5G	C0603C121G5GACTU	120	50	2	.81	.53	4,000	.15
80-C0603C121J5G	C0603C121J5GACTU	120	50	5	.13	.10	4,000	.08
80-C0603C151G5G	C0603C151G5GACTU	150	50	2	.81	.53	4,000	.15

KEMET CERAMIC CHIP CAPACITORS (CONT.)

Case Size 0603 (cont.) Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
Temperature Coef: C0G (cont.)								
80-C0603C151J5G	C0603C151J5GACTU	150	50	5	.07	.06	4,000	.04
80-C0603C151J1G	C0603C151J1GACTU	150	100	5	.26	.17	4,000	.05
80-C0603C181J5G	C0603C181J5GACTU	180	50	5	.07	.15	4,000	.04
80-C0603C181J1G	C0603C181J1GACTU	180	100	5	.26	.17	4,000	.05
80-C0603C201J5G	C0603C201J5GACTU	200	50	5	.30	.20	4,000	.05
80-C0603C221G5G	C0603C221G5GACTU	220	50	2	.88	.57	4,000	.16
80-C0603C221J5G	C0603C221J5GACTU	220	50	5	.09	.06	4,000	.02
80-C0603C221K5G	C0603C221K5GACTU	220	50	10	.24	.16	4,000	.04
80-C0603C241J5G	C0603C241J5GACTU	240	50	5	.30	.20	4,000	.05
80-C0603C271F5G	C0603C271F5GACTU	270	50	1	1.76	1.14	4,000	.32
80-C0603C271J5G	C0603C271J5GACTU	270	50	5	.08	.16	4,000	.05
80-C0603C271K5G	C0603C271K5GACTU	270	50	10	.24	.16	4,000	.04
80-C0603C301J5G	C0603C301J5GACTU	300	50	5	.32	.21	4,000	.06
80-C0603C331F5G	C0603C331F5GACTU	330	50	1	1.91	1.24	4,000	.34
80-C0603C331J5G	C0603C331J5GACTU	330	50	5	.27	.18	4,000	.05
80-C0603C331K5G	C0603C331K5GACTU	330	50	10	.26	.17	4,000	.05
80-C0603C391J5G	C0603C391J5GACTU	390	50	5	.27	.18	4,000	.05
80-C0603C471F5G	C0603C471F5GACTU	470	50	1	2.06	1.34	4,000	.37
80-C0603C471J5G	C0603C471J5GACTU	470	50	5	.29	.19	4,000	.05
80-C0603C471K5G	C0603C471K5GACTU	470	50	10	.28	.18	4,000	.05
80-C0603C561F5G	C0603C561F5GACTU	560	50	1	2.03	1.32	4,000	.37
80-C0603C561J5G	C0603C561J5GACTU	560	50	5	.29	.19	4,000	.05
80-C0603C561K5G	C0603C561K5GACTU	560	50	10	.28	.18	4,000	.05
80-C0603C561G5G	C0603C561G5GACTU	560	50	20	1.02	.66	4,000	.18
80-C0603C561M5G	C0603C561M5GACTU	560	50	20	.27	.18	4,000	.05
80-C0603C621F5G	C0603C621F5GACTU	620	50	1	2.44	1.59	4,000	.44
80-C0603C621J5G	C0603C621J5GACTU	620	50	5	.35	.23	4,000	.06
80-C0603C621K5G	C0603C621K5GACTU	620	50	10	.34	.22	4,000	.06
80-C0603C621G5G	C0603C621G5GACTU	620	50	20	1.22	.80	4,000	.22
80-C0603C621M5G	C0603C621M5GACTU	620	50	20	.32	.21	4,000	.06
80-C0603C681J3G	C0603C681J3GACTU	680	25	5	.29	.19	4,000	.05
80-C0603C681F5G	C0603C681F5GACTU	680	50	1	2.03	1.32	4,000	.37
80-C0603C681J5G	C0603C681J5GACTU	680	50	5	.29	.19	4,000	.05
80-C0603C681K5G	C0603C681K5GACTU	680	50	10	.28	.18	4,000	.05
80-C0603C681G5G	C0603C681G5GACTU	680	50	20	1.02	.66	4,000	.18
80-C0603C681M5G	C0603C681M5GACTU	680	50	20	.27	.18	4,000	.05
80-C0603C751F5G	C0603C751F5GACTU	750	50	1	2.52	1.64	4,000	.45
80-C0603C751G5G	C0603C751G5GACTU	750	50	2	1.26	.82	4,000	.23
80-C0603C751J5G	C0603C751J5GACTU	750	50	5	.36	.23	4,000	.07
80-C0603C751K5G	C0603C751K5GACTU	750	50	10	.35	.23	4,000	.06
80-C0603C751M5G	C0603C751M5GACTU	750	50	20	.34	.22	4,000	.06
80-C0603C821F5G	C0603C821F5GACTU	820	50	1	2.10	1.37	4,000	.38
80-C0603C821G5G	C0603C821G5GACTU	820	50	2	1.05	.68	4,000	.19
80-C0603C821J5G	C0603C821J5GACTU	820	50	5	.30	.20	4,000	.05
80-C0603C821K5G	C0603C821K5GACTU	820	50	10	.29	.19	4,000	.05
80-C0603C821M5G	C0603C821M5GACTU	820	50	20	.28	.18	4,000	.05
80-C0603C911F5G	C0603C911F5GACTU	910	50	1	2.60	1.69	4,000	.47
80-C0603C911G5G	C0603C911G5GACTU	910	50	2	1.31	.85	4,000	.24
80-C0603C911J5G	C0603C911J5GACTU	910	50	5	.37	.24	4,000	.07
80-C0603C911K5G	C0603C911K5GACTU	910	50	10	.35	.23	4,000	.06
80-C0603C911M5G	C0603C911M5GACTU	910	50	20	.32	.21	4,000	.06
80-C0603C102F3G	C0603C102F3GACTU	1000	25	1	2.17	1.41	4,000	.39
80-C0603C102J3G	C0603C102J3GACTU	1000	25	5	.31	.20	4,000	.06
80-C0603C102K3G	C0603C102K3GACTU	1000	25	10	.29	.19	4,000	.05
80-C0603C102F5G	C0603C102F5GACTU	1000	50	1	2.17	1.41	4,000	.39
80-C0603C102G5G	C0603C102G5GACTU	1000	50	2	1.09	.71	4,000	.20
80-C0603C102J5G	C0603C102J5GACTU	1000	50	5	.31	.20	4,000	.06
80-C0603C102K5G	C0603C102K5GACTU	1000	50	10	.29	.19	4,000	.05
80-C0603C102M5G	C0603C102M5GACTU	1000	50	20	.27	.18	4,000	.05
Temperature Coef: X7R								
80-C0603C221K5R	C0603C221K5RACTU	220	50	10	.07	.06	4,000	.02
80-C0603C221M5R	C0603C221M5RACTU	220	50	20	.25	.16	4,000	.05
80-C0603C271K5R	C0603C271K5RACTU	270	50	10	.26	.17	4,000	.05
80-C0603C331K5R	C0603C331K5RACTU	330	50	10	.26	.17	4,000	.05
80-C0603C391K5R	C0603C391K5RACTU	390	50	10	.26	.17	4,000	.05
80-C0603C471K5R	C0603C471K5RACTU	470	50	10	.06	.06	4,000	.02
80-C0603C471K1R	C0603C471K1RACTU	470	100	10	.30	.20	4,000	.05
80-C0603C561J5G	C0603C561J5RACTU	560	50	5	.29	.19	4,000	.05
80-C0603C561K5R	C0603C561K5RACTU	560	50	10	.26	.17	4,000	.05
80-C0603C681J5R	C0603C681J5RACTU	680	50	5	.39	.25	4,000	.07
80-C0603C681K5R	C0603C681K5RACTU	680	50	10	.14	.12	4,000	.09
80-C0603C821J5R	C0603C821J5RACTU	820	50	5	.39	.25	4,000	.07
80-C0603C821K5R	C0603C821K5RACTU	820	50	10	.26	.17	4,000	.05
80-C0603C102J4R	C0603C102J4RACTU	1000	16	5	.39	.25	4,000	.07
80-C0603C102K4R	C0603C102K4RACTU	1000	16	10	.26	.17	4,000	.05
80-C0603C102J3R	C0603C102J3RACTU	1000	25	5	.39	.25	4,000	.07
80-C0603C102K3R	C0603C102K3RACTU	1000	25	10	.26	.17	4,000	.05
80-C0603C102J5R	C0603C102J5RACTU	1000	50	5	.08	.25	4,000	.07
80-C0603C102K5R	C0603C102K5RACTU	1000	50	10	.05	.04	4,000	.01
80-C0603C102M5R	C0603C102M5RACTU	1000	50	20	.24	.16	4,000	.04
80-C0603C102J1R	C0603C102J1RACTU	1000	100	5	.45	.29	4,000	.08
80-C0603C102K1R	C0603C102K1RACTU	1000	100	10	.30	.20	4,000	.05

Dimensions mm and (



Style	L	W	T	B	S
0603	1.6(.063)±0.15(.006)	0.8(.032)±0.15(.006)	0.9 (.035)	.35(.014)±0.15(.006)	0.7 (.0

Case Size 0603 (cont.) Please call a Mouser representative for information of product not

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	P E
Temperature Coef: X7R (cont.)								
80-C0603C122K5R	C0603C122K5RACTU	1200	50	10	.26	.17	4,000	
80-C0603C152J5R	C0603C152J5RACTU	1500	50	5	.39	.25	4,000	
80-C0603C152K5R	C0603C152K5RACTU	1500	50	10	.26	.17	4,000	
80-C0603C152K1R	C0603C152K1RACTU	1500	100	10	.30	.20	4,000	
80-C0603C182J5R	C0603C182J5RACTU	1800	50	5	.39	.25	4,000	
80-C0603C182K5R	C0603C182K5RACTU	1800	50	10	.26	.17	4,000	
80-C0603C222J5R	C0603C222J5RACTU	2200	50	5	.39	.25	4,000	
80-C0603C222K5R	C0603C222K5RACTU	2200	50	10	.04	.03	4,000	
80-C0603C222K1R	C0603C222K1RACTU	2200	100	10	.30	.20	4,000	
80-C0603C272J5R	C0603C272J5RACTU	2700	50	5	.39	.25	4,000	
80-C0603C272K5R	C0603C272K5RACTU	2700	50	10	.26	.17	4,000	
80-C0603C332J5R	C0603C332J5RACTU	3300	50	5	.39	.25	4,000	
80-C0603C332K5R	C0603C332K5RACTU	3300	50	10	.26	.17	4,000	
80-C0603C332K1R	C0603C332K1RACTU	3300	100	10	.30	.20	4,000	
80-C0603C392J5R	C0603C392J5RACTU	3900	50	5	.39	.25	4,000	
80-C0603C392K5R	C0603C392K5RACTU	3900	50	10	.26	.17	4,000	
80-C0603C472K4R	C0603C472K4RACTU	4700	16	10	.21	.14	4,000	
80-C0603C472J5R	C0603C472J5RACTU	4700	50	5	.39	.25	4,000	
80-C0603C472K5R	C0603C472K5RACTU	4700	50	10	.07	.09	4,000	
80-C0603C472K1R	C0603C472K1RACTU	4700	100	10	.30	.20	4,000	
80-C0603C562J5R	C0603C562J5RACTU	5600	50	5	.39	.25	4,000	
80-C0603C562K5R	C0603C562K5RACTU	5600	50	10	.26	.17	4,000	
80-C0603C562K1R	C0603C562K1RACTU	5600	100	10	.30	.20	4,000	
80-C0603C682J5R	C0603C682J5RACTU	6800	50	5	.39	.25	4,000	
80-C0603C682K5R	C0603C682K5RACTU	6800	50	10	.26	.17	4,000	
80-C0603C682K1R	C0603C682K1RACTU	6800	100	10	.30	.20	4,000	
80-C0603C822J5R	C0603C822J5RACTU	8200	50	5	.39	.25	4,000	
80-C0603C822K1R	C0603C822K1RACTU	8200	100	10	.30	.20	4,000	
80-C0603C153K3R	C0603C153K3RACTU	.015uF	25	10	.21	.14	4,000	
80-C0603C153K5R	C0603C153K5RACTU	.015uF	50	10	.29	.19	4,000	
80-C0603C183K5R	C0603C183K5RACTU	.018uF	50	10	.29	.19	4,000	
80-C0603C103K8R	C0603C103K8RACTU	.01uF	10	10	.21	.14	4,000	
80-C0603C103J4R	C0603C103J4RACTU	.01uF	16	5	.29	.19	4,000	
80-C0603C103K4R	C0603C103K4RACTU	.01uF	16	10	.21	.14	4,000	
80-C0603C103J3R	C0603C103J3RACTU	.01uF	25	5	.29	.19	4,000	
80-C0603C103K3R	C0603C103K3RACTU	.01uF	25	10	.21	.14	4,000	
80-C0603C103J5R	C0603C103J5RACTU	.01uF	50	5	.07	.25	4,000	
80-C0603C103K5R	C0603C103K5RACTU	.01uF	50	10	.04	.03	4,000	
80-C0603C103M5R	C0603C103M5RACTU	.01uF	50	20	.05	.03	4,000	
80-C0603C103J1R	C0603C103J1RACTU	.01uF	100	5	.45	.29	4,000	
80-C0603C103K1R	C0603C103K1RACTU	.01uF	100	10	.15	.12	4,000	
80-C0603C223K4R	C0603C223K4RACTU	.022uF	16	10	.21	.14	4,000	
80-C0603C223J3R	C0603C223J3RACTU	.022uF	25	5	.29	.19	4,000	
80-C0603C223K3R	C0603C223K3RACTU	.022uF	25	10	.21	.14	4,000	
80-C0603C223J5R	C0603C223J5RACTU	.022uF	50	5	.43	.28	4,000	
80-C0603C223K5R	C0603C223K5RACTU	.022uF	50	10	.29	.19	4,000	
80-C0603C273K3R	C0603C273K3RACTU	.027uF	25	10	.23	.15	4,000	
80-C0603C333K4R	C0603C333K4RACTU	.033uF	16	10	.25	.16	4,000	
80-C0603C333J3R	C0603C333J3RACTU	.033uF	25	5	.35	.23	4,000	
80-C0603C333K3R	C0603C333K3RACTU	.033uF	25	10	.15	.08	4,000	
80-C0603C393K3R	C0603C393K3RACTU	.039uF	25	10	.26	.17	4,000	
80-C0603C473K4R	C0603C473K4RACTU	.047uF	16	10	.12	.08	4,000	
80-C0603C473K3R	C0603C473K3RACTU	.047uF	25	10	.05	.04	4,000	
80-C0603C563J4R	C0603C563J4RACTU	.056uF	16	5	.45	.29	4,000	
80-C0603C563K3R	C0603C563K3RACTU	.056uF	25	10	.19	.12	4,000	
80-C0603C683J4R	C0603C683J4RACTU	.068uF	16	5	.46	.30	4,000	
80-C0603C683K4R	C0603C683K4RACTU	.068uF	16	10	.33	.21	4,000	
80-C0603C683K3R	C0603C683K3RACTU	.068uF	25	10	.20	.13	4,000	
80-C0603C104K8R	C0603C104K8RACTU	.1µF	10	10	.08	.06	4,000	
80-C0603C104J4R	C0603C104J4RACTU	.1µF	16	5	.08	.27	4,000	
80-C0603C104K4R	C0603C104K4RACTU	.1µF	16	10	.03	.03	4,000	
80-C0603C104M4R	C0603C104M4RACTU	.1µF	16	20	.05	.06	4,000	
80-C0603C104J3R	C0603C104J3RACTU	.1µF	25	5	.57	.38	4,000	
80-C0603C104K3R	C0603C104K3RACTU	.1µF	25	10	.66	.43	4,000	
80-C0603C104M3R	C0603C104M3RACTU	.1µF	25	20	.15	.12	4,000	
80-C0603C154K4R	C0603C154K4RACTU	.15µF	16	10	.29	.19	4,000	
80-C0603C224K4R	C0603C224K4RACTU	.22µF	16	10	.42	.27	4,000	
80-C0603C274K9R	C0603C274K9RACTU	0.27uF	6.3	10	.44	.29	4000	
80-C0603C274K8R	C0603C274K8RACTU	0.27uF	10	10	.44	.29	4000	
80-C0603C274K4R	C0603C274K4RACTU	0.27uF	16	10	.44	.29	4000	

MOUSER ELECTRONICS a tti company

ET CERAMIC CHIP CAPACITORS (CONT.)

Size 0603 (cont.)

Please call a Mouser representative for information of product not listed.

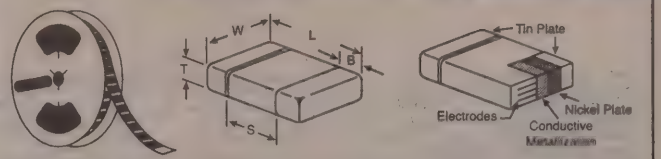
OUSER OCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	1	100	Reel Qty.	Price Each
erature Coef: X7R (cont.)								
603C334K9R	C0603C334K9RACTU	0.33uF	6.3	10	.46	.30	4000	.09
603C334K8R	C0603C334K8RACTU	0.33uF	10	10	.46	.29	4000	.10
603C334K4R	C0603C334K4RACTU	0.33uF	16	10	.46	.29	4000	.10
603C394K9R	C0603C394K9RACTU	0.39uF	6.3	10	.46	.29	4000	.10
603C394K8R	C0603C394K8RACTU	0.39uF	10	10	.46	.29	4000	.10
603C394K4R	C0603C394K4RACTU	0.39uF	16	10	.46	.29	4000	.10
603C474K9R	C0603C474K9RACTU	0.47uF	6.3	10	.50	.33	4000	.10
603C474K8R	C0603C474K8RACTU	0.47uF	10	10	.50	.33	4000	.10
603C474K4R	C0603C474K4RACTU	0.47uF	16	10	.50	.33	4000	.10
erature Coef: X5R								
603C274K8P	C0603C274K8PACTU	.27uF	10	10	.12	.10	4,000	.07
603C334K8P	C0603C334K8PACTU	.33µF	10	10	.26	.15	4,000	.05
603C394K8P	C0603C394K8PACTU	.39uF	10	10	.24	.15	4,000	.04
603C474K8P	C0603C474K8PACTU	.47µF	10	10	.12	.10	4,000	.07
603C564K8P	C0603C564K8PACTU	.56uF	10	10	.24	.15	4,000	.04
603C684K8P	C0603C684K8PACTU	.68µF	10	10	.26	.15	4,000	.05
603C824K8P	C0603C824K8PACTU	.82uF	10	10	.24	.15	4,000	.04
603C105K8P	C0603C105K8PACTU	1.0µF	10	10	.19	.16	4,000	.06
603C125K9P	C0603C125K9PACTU	1.2µF	6.3	10	.28	.18	4,000	.05
603C125M9P	C0603C125M9PACTU	1.2µF	6.3	20	.27	.17	4,000	.05
603C155K9P	C0603C155K9PACTU	1.5µF	6.3	10	.28	.18	4,000	.05
603C155M9P	C0603C155M9PACTU	1.5µF	6.3	20	.27	.18	4,000	.05
603C185K9P	C0603C185K9PACTU	1.8µF	6.3	10	.30	.19	4,000	.05
603C185M9P	C0603C185M9PACTU	1.8µF	6.3	20	.29	.19	4,000	.05
603C225K9P	C0603C225K9PACTU	2.2µF	6.3	10	.40	.26	4,000	.07
603C225M9P	C0603C225M9PACTU	2.2µF	6.3	20	.39	.25	4,000	.07
603C275K9P	C0603C275K9PACTU	2.7uF	6.3	10	.55	.36	4000	.11
603C335K9P	C0603C335K9PACTU	3.3uF	6.3	10	.59	.38	4000	.12
erature Coef: Y5V								
603C473M3V	C0603C473M3VACTU	.047uF	25	20	.22	.14	4,000	.04
603C104Z4V	C0603C104Z4VACTU	.1µF	16	+80, -20	.05	.04	4,000	.01
603C104M3V	C0603C104M3VACTU	.1µF	25	20	.06	.04	4,000	.01
603C104Z3V	C0603C104Z3VACTU	.1µF	25	+80, -20	.05	.04	4,000	.01
603C154Z4V	C0603C154Z4VACTU	.15uF	16	+80, -20	.26	.17	4,000	.05
603C154Z3V	C0603C154Z3VACTU	.15uF	25	+80, -20	.26	.17	4,000	.05
603C224M4V	C0603C224M4VACTU	.22µF	16	20	.14	.09	4,000	.02
603C224Z4V	C0603C224Z4VACTU	.22µF	16	+80, -20	.10	.09	4,000	.02
603C224M3V	C0603C224M3VACTU	.22µF	25	20	.29	.19	4,000	.05
603C224Z3V	C0603C224Z3VACTU	.22µF	25	+80, -20	.15	.12	4,000	.09
603C334Z4V	C0603C334Z4VACTU	.33uF	16	+80, -20	.27	.18	4,000	.05
603C334Z3V	C0603C334Z3VACTU	.33uF	25	+80, -20	.16	.13	4,000	.10
603C474Z9V	C0603C474Z9VACTU	.47uF	6.3	+80, -20	.27	.17	4,000	.05
603C684Z9V	C0603C684Z9VACTU	.68uF	6.3	+80, -20	.36	.23	4,000	.06
603C684Z8V	C0603C684Z8VACTU	.68uF	10	+80, -20	.36	.23	4,000	.06
603C474Z8V	C0603C474Z8VACTU	0.47uF	10	+80, -20	.27	.17	4,000	.05
603C105Z9V	C0603C105Z9VACTU	1uF	6.3	+80, -20	.12	.08	4,000	.02
603C105Z8V	C0603C105Z8VACTU	1uF	10	+80, -20	.12	.08	4,000	.02

Size 0805

Please call a Mouser representative for information of product not listed.

IOUSER TOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	1	100	Reel Qty.	Price Each
erature Coef: C0G								
805C109C5G	C0805C109C5GACTU	1	50	.25pF	.35	.23	4,000	.06
805C109C1G	C0805C109C1GACTU	1	100	.25pF	.40	.26	4,000	.07
805C109D1G	C0805C109D1GACTU	1	100	.5pF	.23	.15	4,000	.04
805C159C5G	C0805C159C5GACTU	1.5	50	.25pF	.35	.23	4,000	.06
805C159C1G	C0805C159C1GACTU	1.5	100	.25pF	.40	.26	4,000	.07
805C169C1G	C0805C169C1GACTU	1.6	100	.25pF	.48	.31	4,000	.09
805C189C5G	C0805C189C5GACTU	1.8	50	.25pF	.35	.23	4,000	.06
805C209C5G	C0805C209C5GACTU	2	50	.25pF	.42	.27	4,000	.08
805C229C5G	C0805C229C5GACTU	2.2	50	.25pF	.35	.23	4,000	.06
805C229C1G	C0805C229C1GACTU	2.2	100	.25pF	.40	.26	4,000	.07
805C229D1G	C0805C229D1GACTU	2.2	100	.5pF	.23	.15	4,000	.04
805C279C5G	C0805C279C5GACTU	2.7	50	.25pF	.35	.23	4,000	.06
805C279D5G	C0805C279D5GACTU	2.7	50	.5pF	.20	.13	4,000	.04
805C279C1G	C0805C279C1GACTU	2.7	100	.25pF	.40	.26	4,000	.07
805C309C5G	C0805C309C5GACTU	3	50	.25pF	.42	.27	4,000	.08
805C339C5G	C0805C339C5GACTU	3.3	50	.25pF	.35	.23	4,000	.06
805C339D1G	C0805C339D1GACTU	3.3	100	.5pF	.23	.15	4,000	.04
805C399C5G	C0805C399C5GACTU	3.9	50	.25pF	.21	.17	4,000	.12
805C399D1G	C0805C399D1GACTU	3.9	100	.5pF	.23	.15	4,000	.04
805C479C5G	C0805C479C5GACTU	4.7	50	.25pF	.21	.17	4,000	.12
805C479D5G	C0805C479D5GACTU	4.7	50	.5pF	.20	.13	4,000	.04
805C569J5G	C0805C569J5GACTU	5.6	50	5	.39	.25	4,000	.07
805C569C5G	C0805C569C5GACTU	5.6	50	.25pF	.42	.27	4,000	.08
805C569D5G	C0805C569D5GACTU	5.6	50	.5pF	.13	.10	4,000	.08
805C569C1G	C0805C569C1GACTU	5.6	100	.25pF	.48	.31	4,000	.09
805C689C5G	C0805C689C5GACTU	6.8	50	.25pF	.45	.29	4,000	.08
805C689D1G	C0805C689D1GACTU	6.8	100	.5pF	.23	.15	4,000	.04
805C829C5G	C0805C829C5GACTU	8.2	50	.25pF	.50	.33	4,000	.09
805C829C1G	C0805C829C1GACTU	8.2	100	.25pF	.58	.38	4,000	.10
805C100J5G	C0805C100J5GACTU	10	50	5	.05	.04	4,000	.03

Dimensions: mm and (IN)



Style	L	W	T	B	S
0603	1.6(.063)±0.15(.006)	0.8(.032)±0.15(.006)	0.9 (.035)	.35(.014)±0.15(.006)	0.7 (.028)
0805	2.0(.079)±0.2(.008)	1.25(.049)±0.2(.008)	1.3 (.051)	0.5(.02)±.25(.010)	0.75 (.030)

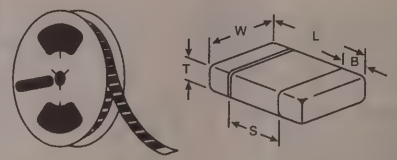
Case Size 0805 (cont.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	1	100	Reel Qty.	Price Each
Temperature Coef: C0G (cont.)								
80-C0805C100K5G	C0805C100K5GACTU	10	50	10	.19	.12	4,000	.03
80-C0805C100C5G	C0805C100C5GACTU	10	50	.25pF	.34	.27	4,000	.20
80-C0805C100J1G	C0805C100J1GACTU	10	100	5	.07	.06	4,000	.04
80-C0805C100K1G	C0805C100K1GACTU	10	100	10	.22	.14	4,000	.04
80-C0805C100C1G	C0805C100C1GACTU	10	100	.25pF	.69	.45	4,000	.14
80-C0805C100D1G	C0805C100D1GACTU	10	100	.5pF	.23	.15	4,000	.04
80-C0805C120J5G	C0805C120J5GACTU	12	50	5	.09	.06	4,000	.02
80-C0805C120C5G	C0805C120C5GACTU	12	50	.25pF	.70	.46	4,000	.13
80-C0805C150J5G	C0805C150J5GACTU	15	50	5	.09	.06	4,000	.02
80-C0805C150K5G	C0805C150K5GACTU	15	50	10	.19	.12	4,000	.03
80-C0805C150G1G	C0805C150G1GACTU	15	100	2	.81	.53	4,000	.15
80-C0805C150J1G	C0805C150J1GACTU	15	100	5	.14	.11	4,000	.08
80-C0805C150K1G	C0805C150K1GACTU	15	100	10	.22	.14	4,000	.04
80-C0805C180G5G	C0805C180G5GACTU	18	50	2	.70	.46	4,000	.13
80-C0805C180J5G	C0805C180J5GACTU	18	50	5	.09	.06	4,000	.02
80-C0805C180K5G	C0805C180K5GACTU	18	50	10	.19	.12	4,000	.03
80-C0805C180J1G	C0805C180J1GACTU	18	100	5	.13	.11	4,000	.08
80-C0805C200G5G	C0805C200G5GACTU	20	50	2	.84	.55	4,000	.15
80-C0805C200J5G	C0805C200J5GACTU	20	50	5	.24	.16	4,000	.04
80-C0805C220G5G	C0805C220G5GACTU	22	50	2	.70	.46	4,000	.13
80-C0805C220J5G	C0805C220J5GACTU	22	50	5	.09	.06	4,000	.02
80-C0805C220K5G	C0805C220K5GACTU	22	50	10	.19	.12	4,000	.03
80-C0805C220G1G	C0805C220G1GACTU	22	100	2	.81	.53	4,000	.15
80-C0805C220J1G	C0805C220J1GACTU	22	100	5	.13	.08	4,000	.02
80-C0805C220K1G	C0805C220K1GACTU	22	100	10	.22	.14	4,000	.04
80-C0805C220J2G	C0805C220J2GACTU	22	200	5	.28	.18	4,000	.05
80-C0805C240J5G	C0805C240J5GACTU	24	50	5	.24	.16	4,000	.04
80-C0805C270F5G	C0805C270F5GACTU	27	50	1	1.40	.91	4,000	.25
80-C0805C270G5G	C0805C270G5GACTU	27	50	2	.70	.46	4,000	.13
80-C0805C270J5G	C0805C270J5GACTU	27	50	5	.09	.06	4,000	.02
80-C0805C270K5G	C0805C270K5GACTU	27	50	10	.19	.12	4,000	.03
80-C0805C270D1G	C0805C270D1GACTU	27	100	.5pF	.92	.60	4,000	.17
80-C0805C300J5G	C0805C300J5GACTU	30	50	5	.24	.16	4,000	.04
80-C0805C300J1G	C0805C300J1GACTU	30	100	5	.28	.18	4,000	.05
80-C0805C330F5G	C0805C330F5GACTU	33	50	1	1.40	.91	4,000	.25
80-C0805C330G5G	C0805C330G5GACTU	33	50	2	.70	.46	4,000	.13
80-C0805C330J5G	C0805C330J5GACTU	33	50	5	.05	.04	4,000	.03
80-C0805C330K5G	C0805C330K5GACTU	33	50	10	.19	.12	4,000	.03
80-C0805C330G1G	C0805C330G1GACTU	33	100	2	.81	.53	4,000	.15
80-C0805C330J1G	C0805C330J1GACTU	33	100	5	.14	.11	4,000	.08
80-C0805C390G5G	C0805C390G5GACTU	39	50	2	.70	.46	4,000	.13
80-C0805C390J5G	C0805C390J5GACTU	39	50	5	.20	.13	4,000	.04
80-C0805C390K1G	C0805C390K1GACTU	39	100	10	.22	.14	4,000	.04
80-C0805C390J2G	C0805C390J2GACTU	39	200	5	.28	.18	4,000	.05
80-C0805C470G5G	C0805C470G5GACTU	47	50	2	.70	.46	4,000	.13
80-C0805C470J5G	C0805C470J5GACTU	47	50	5	.09	.06	4,000	.02
80-C0805C470K5G	C0805C470K5GACTU	47	50	10	.19	.12	4,000	.03
80-C0805C470F1G	C0805C470F1GACTU	47	100	1	1.61	1.05	4,000	.29
80-C0805C470J1G	C0805C470J1GACTU	47	100	5	.13	.08	4,000	.02
80-C0805C510J5G	C0805C510J5GACTU	51	50	5	.24	.16	4,000	.04
80-C0805C560G5G	C0805C560G5GACTU	56	50	2	.72	.47	4,000	.13
80-C0805C560J5G	C0805C560J5GACTU	56	50	5	.09	.06	4,000	.02
80-C0805C560J5G	C0805C560J5GAC7800	56	50	5	.10	.06	4,000	.02
80-C0805C560K5G	C0805C560K5GACTU	56	50	10	.19	.12	4,000	.03
80-C0805C560F1G	C0805C560F1GACTU	56	100	1	1.61	1.05	4,000	.29
80-C0805C560G1G	C0805C560G1GACTU	56	100	2	.81	.53	4,000	.15
80-C0805C560J1G	C0805C560J1GACTU	56	100	5	.23	.15	4,000	.04
80-C0805C560K1G	C0805C560K1GACTU	56	100	10	.22	.14	4,000	.04
80-C0805C680F5G	C0805C680F5GACTU	68	50	1	1.40	.91	4,000	.25
80-C0805C680G5G	C0805C680G5GACTU	68	50	2	.70	.46	4,000	.13
80-C0805C680J5G	C0805C680J5GACTU	68	50	5	.09	.06	4,000	.02
80-C0805C680J1G	C0805C680J1GACTU	68	100	5	.23	.15	4,000	.04
80-C0805C680K2G	C0805C680K2GACTU	68	200	10	.27	.17	4,000	.05
80-C0805C750J5G	C0805C750J5GACTU	75	50	5	.24	.16	4,000	.04
80-C0805C820G5G	C0805C820G5GACTU	82	50	2	.70	.46	4,000	.13
80-C0805C820J5G	C0805C820J5GACTU	82	50	5	.20	.13	4,000	.04
80-C0805C820K5G	C0805C820K5GACTU	82	50	10	.19	.12	4,000	.03
80-C0805C820F1G	C0805C820F1GACTU	82	100	1	1.61	1.05	4,000	.29
80-C0805C820J1G	C0805C820J1GACTU	82	100	5	.23	.15	4,000	.04
80-C0805C820K1G	C0805C820K1GACTU	82	100	10	.22	.14	4,000	.04
80-C0805C910G5G	C0805C910G5GACTU	91	50	2	.84	.55	4,000	.15

KEMET CERAMIC CHIP CAPACITORS (CONT.)

Dimensions: mm and



Style	L	W	T	B	S
0805	2.0(.079)±0.2(.008)	1.25(.049)±0.2(.008)	1.3 (.051)	0.5(.02)±.25(.010)	0.75 (.

Case Size 0805 (cont.) Please call a Mouser representative for information of product not listed.

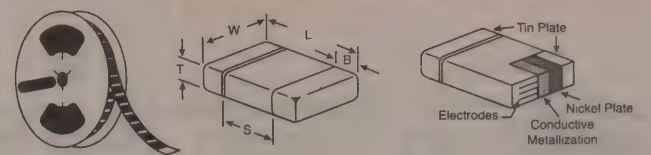
MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
Temperature Coef: C0G (cont.)								
80-C0805C910J1G	C0805C910J1GACTU	91	100	5	.28	.18	4,000	.05
80-C0805C101F5G	C0805C101F5GACTU	100	50	1	.77	.62	4,000	.46
80-C0805C101G5G	C0805C101G5GACTU	100	50	2	.70	.46	4,000	.13
80-C0805C101J5G	C0805C101J5GACTU	100	50	5	.09	.06	4,000	.02
80-C0805C101K5G	C0805C101K5GACTU	100	50	10	.09	.06	4,000	.02
80-C0805C101F1G	C0805C101F1GACTU	100	100	1	1.61	1.05	4,000	.29
80-C0805C101G1G	C0805C101G1GACTU	100	100	2	.81	.53	4,000	.15
80-C0805C101J1G	C0805C101J1GACTU	100	100	5	.14	.09	4,000	.03
80-C0805C101K1G	C0805C101K1GACTU	100	100	10	.22	.14	4,000	.04
80-C0805C101J2G	C0805C101J2GACTU	100	200	5	.28	.18	4,000	.05
80-C0805C121F5G	C0805C121F5GACTU	120	50	1	1.54	1.00	4,000	.28
80-C0805C121G5G	C0805C121G5GACTU	120	50	2	.79	.52	4,000	.14
80-C0805C121J5G	C0805C121J5GACTU	120	50	5	.13	.08	4,000	.02
80-C0805C121F1G	C0805C121F1GACTU	120	100	1	1.77	1.15	4,000	.32
80-C0805C121J1G	C0805C121J1GACTU	120	100	5	.25	.16	4,000	.05
80-C0805C121K1G	C0805C121K1GACTU	120	100	10	.24	.16	4,000	.04
80-C0805C151F5G	C0805C151F5GACTU	150	50	1	1.54	1.00	4,000	.28
80-C0805C151G5G	C0805C151G5GACTU	150	50	2	.77	.50	4,000	.14
80-C0805C151J5G	C0805C151J5GACTU	150	50	5	.13	.08	4,000	.02
80-C0805C151J1G	C0805C151J1GACTU	150	100	5	.25	.16	4,000	.05
80-C0805C181G5G	C0805C181G5GACTU	180	50	2	.77	.50	4,000	.14
80-C0805C181J5G	C0805C181J5GACTU	180	50	5	.22	.14	4,000	.04
80-C0805C181J1G	C0805C181J1GACTU	180	100	5	.25	.16	4,000	.05
80-C0805C181K1G	C0805C181K1GACTU	180	100	10	.24	.16	4,000	.04
80-C0805C201J5G	C0805C201J5GACTU	200	50	5	.29	.19	4,000	.05
80-C0805C221F5G	C0805C221F5GACTU	220	50	1	1.68	1.09	4,000	.30
80-C0805C221J5G	C0805C221J5GACTU	220	50	5	.11	.07	4,000	.02
80-C0805C221K5G	C0805C221K5GACTU	220	50	10	.23	.15	4,000	.04
80-C0805C221F1G	C0805C221F1GACTU	220	100	1	1.93	1.25	4,000	.35
80-C0805C221G1G	C0805C221G1GACTU	220	100	2	.97	.63	4,000	.18
80-C0805C221J1G	C0805C221J1GACTU	220	100	5	.15	.10	4,000	.03
80-C0805C221K1G	C0805C221K1GACTU	220	100	10	.26	.17	4,000	.05
80-C0805C271F5G	C0805C271F5GACTU	270	50	1	1.68	1.09	4,000	.30
80-C0805C271G5G	C0805C271G5GACTU	270	50	2	.84	.55	4,000	.15
80-C0805C271J5G	C0805C271J5GACTU	270	50	5	.24	.16	4,000	.04
80-C0805C271F1G	C0805C271F1GACTU	270	100	1	1.93	1.25	4,000	.35
80-C0805C271J1G	C0805C271J1GACTU	270	100	5	.28	.18	4,000	.05
80-C0805C301J5G	C0805C301J5GACTU	300	50	5	.31	.20	4,000	.06
80-C0805C301K2G	C0805C301K2GACTU	300	200	10	.42	.27	4,000	.08
80-C0805C331F5G	C0805C331F5GACTU	330	50	1	1.82	1.18	4,000	.33
80-C0805C331G5G	C0805C331G5GACTU	330	50	2	.52	.41	4,000	.31
80-C0805C331J5G	C0805C331J5GACTU	330	50	5	.07	.05	4,000	.04
80-C0805C331K5G	C0805C331K5GACTU	330	50	10	.25	.16	4,000	.05
80-C0805C331F1G	C0805C331F1GACTU	330	100	1	2.09	1.36	4,000	.38
80-C0805C331J1G	C0805C331J1GACTU	330	100	5	.12	.12	4,000	.03
80-C0805C331K1G	C0805C331K1GACTU	330	100	10	.29	.19	4,000	.05
80-C0805C391F5G	C0805C391F5GACTU	390	50	1	1.82	1.18	4,000	.33
80-C0805C391J5G	C0805C391J5GACTU	390	50	5	.26	.17	4,000	.05
80-C0805C471F5G	C0805C471F5GACTU	470	50	1	1.96	1.27	4,000	.35
80-C0805C471G5G	C0805C471G5GACTU	470	50	2	.98	.64	4,000	.18
80-C0805C471J5G	C0805C471J5GACTU	470	50	5	.15	.10	4,000	.03
80-C0805C471K5G	C0805C471K5GACTU	470	50	10	.27	.18	4,000	.05
80-C0805C471F1G	C0805C471F1GACTU	470	100	1	2.25	1.46	4,000	.41
80-C0805C471J1G	C0805C471J1GACTU	470	100	5	.10	.08	4,000	.06
80-C0805C471J2G	C0805C471J2GACTU	470	200	5	.39	.25	4,000	.07
80-C0805C561F5G	C0805C561F5GACTU	560	50	1	1.96	1.27	4,000	.35
80-C0805C561G5G	C0805C561G5GACTU	560	50	2	.98	.64	4,000	.18
80-C0805C561J5G	C0805C561J5GACTU	560	50	5	.28	.18	4,000	.05
80-C0805C681F5G	C0805C681F5GACTU	680	50	1	2.10	1.37	4,000	.38
80-C0805C681G5G	C0805C681G5GACTU	680	50	2	1.05	.68	4,000	.19
80-C0805C681J5G	C0805C681J5GACTU	680	50	5	.17	.14	4,000	.10
80-C0805C681K5G	C0805C681K5GACTU	680	50	10	.29	.19	4,000	.05
80-C0805C681J1G	C0805C681J1GACTU	680	100	5	.35	.23	4,000	.06
80-C0805C751J5G	C0805C751J5GACTU	750	50	5	.38	.25	4,000	.07
80-C0805C821F5G	C0805C821F5GACTU	820	50	1	2.24	1.46	4,000	.40
80-C0805C821G5G	C0805C821G5GACTU	820	50	2	1.12	.73	4,000	.20
80-C0805C821J5G	C0805C821J5GACTU	820	50	5	.10	.08	4,000	.06
80-C0805C821J1G	C0805C821J1GACTU	820	100	5	.37	.24	4,000	.07
80-C0805C102F5G	C0805C102F5GACTU	1000	50	1	2.24	1.46	4,000	.40
80-C0805C102G5G	C0805C102G5GACTU	1000	50	2	1.12	.73	4,000	.20
80-C0805C102J5G	C0805C102J5GACTU	1000	50	5	.13	.10	4,000	.03
80-C0805C102K5G	C0805C102K5GACTU	1000	50	10	.13	.10	4,000	.03
80-C0805C102F1G	C0805C102F1GACTU	1000	100	1	2.58	1.68	4,000	.46
80-C0805C102G1G	C0805C102G1GACTU	1000	100	2	1.29	.84	4,000	.23
80-C0805C102J1G	C0805C102J1GACTU	1000	100	5	.37	.24	4,000	.07
80-C0805C122F5G	C0805C122F5GACTU	1200	50	1	2.52	1.64	4,000	.45
80-C0805C122G5G	C0805C122G5GACTU	1200	50	2	1.26	.82	4,000	.23
80-C0805C122J5G	C0805C122J5GACTU	1200	50	5	.36	.23	4,000	.07
80-C0805C152F5G	C0805C152F5GACTU	1500	50	1	2.94	1.91	4,000	.53
80-C0805C152G5G	C0805C152G5GACTU	1500	50	2	1.47	.96	4,000	.27
80-C0805C152J5G	C0805C152J5GACTU	1500	50	5	.23	.19	4,000	.14
80-C0805C182F5G	C0805C182F5GACTU	1800	50	1	3.50	2.28	4,000	.63
80-C0805C182G5G	C0805C182G5GACTU	1800	50	2	1.75	1.14	4,000	.32
80-C0805C182J5G	C0805C182J5GACTU	1800	50	5	.50	.33	4,000	.09

Case Size 0805 (cont.) Please call a Mouser representative for information of product not

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	P E
Temperature Coef: X7R								
80-C0805C221K5R	C0805C221K5RACTU	220	50	10	.18	.14	4,000	
80-C0805C221K1R	C0805C221K1RACTU	220	100	10	.38	.25	4,000	
80-C0805C221K2R	C0805C221K2RACTU	220	200	10	.46	.30	4,000	
80-C0805C271K5R	C0805C271K5RACTU	270	50	10	.33	.21	4,000	
80-C0805C331K5R	C0805C331K5RACTU	330	50	10	.17	.14	4,000	
80-C0805C331K1R	C0805C331K1RACTU	330	100	10	.38	.25	4,000	
80-C0805C391K5R	C0805C391K5RACTU	390	50	10	.33	.21	4,000	
80-C0805C471K5R	C0805C471K5RACTU	470	50	10	.07	.06	4,000	
80-C0805C471K1R	C0805C471K1RACTU	470	100	10	.29	.19	4,000	
80-C0805C561K5R	C0805C561K5RACTU	560	50	10	.25	.16	4,000	
80-C0805C681K5R	C0805C681K5RACTU	680	50	10	.25	.16	4,000	
80-C0805C681K1R	C0805C681K1RACTU	680	100	10	.29	.19	4,000	
80-C0805C821K5R	C0805C821K5RACTU	820	50	10	.25	.16	4,000	
80-C0805C102J5R	C0805C102J5RACTU	1000	50	5	.09	.06	4,000	
80-C0805C102K5R	C0805C102K5RACTU	1000	50	10	.02	.02	4,000	
80-C0805C102M5R	C0805C102M5RACTU	1000	50	20	.07	.04	4,000	
80-C0805C102J1R	C0805C102J1RACTU	1000	100	5	.25	.20	4,000	
80-C0805C102K1R	C0805C102K1RACTU	1000	100	10	.05	.04	4,000	
80-C0805C102K2R	C0805C102K2RACTU	1000	200	10	.35	.23	4,000	
80-C0805C122K5R	C0805C122K5RACTU	1200	50	10	.25	.16	4,000	
80-C0805C122K2R	C0805C122K2RACTU	1200	200	10	.35	.23	4,000	
80-C0805C152J5R	C0805C152J5RACTU	1500	50	5	.38	.25	4,000	
80-C0805C152K5R	C0805C152K5RACTU	1500	50	10	.25	.16	4,000	
80-C0805C152K1R	C0805C152K1RACTU	1500	100	10	.29	.19	4,000	
80-C0805C202K5R	C0805C202K5RACTU	2000	50	10	.46	.30	4,000	
80-C0805C222J5R	C0805C222J5RACTU	2200	50	5	.38	.25	4,000	
80-C0805C222K5R	C0805C222K5RACTU	2200	50	10	.05	.08	4,000	
80-C0805C222K1R	C0805C222K1RACTU	2200	100	10	.18	.11	4,000	
80-C0805C222K2R	C0805C222K2RACTU	2200	200	10	.35	.23	4,000	
80-C0805C272K5R	C0805C272K5RACTU	2700	50	10	.25	.16	4,000	
80-C0805C272K1R	C0805C272K1RACTU	2700	100	10	.29	.19	4,000	
80-C0805C332J5R	C0805C332J5RACTU	3300	50	5	.38	.25	4,000	
80-C0805C332K5R	C0805C332K5RACTU	3300	50	10	.15	.12	4,000	
80-C0805C332J1R	C0805C332J1RACTU	3300	100	5	.44	.29	4,000	
80-C0805C332K1R	C0805C332K1RACTU	3300	100	10	.29	.19	4,000	
80-C0805C392J5R	C0805C392J5RACTU	3900	50	5	.38	.25	4,000	
80-C0805C392K5R	C0805C392K5RACTU	3900	50	5	.25	.16	4,000	
80-C0805C472J5R	C0805C472J5RACTU	4700	50	5	.38	.25	4,000	
80-C0805C472K5R	C0805C472K5RACTU	4700	50	10	.04	.03	4,000	
80-C0805C472J1R	C0805C472J1RACTU	4700	100	5	.44	.29	4,000	
80-C0805C472K1R	C0805C472K1RACTU	4700	100	10	.29	.19	4,000	
80-C0805C472K2R	C0805C472K2RACTU	4700	200	10	.35	.23	4,000	
80-C0805C562J5R	C0805C562J5RACTU	5600	50	5	.38	.25	4,000	
80-C0805C562K5R	C0805C562K5RACTU	5600	50	10	.14	.12	4,000	
80-C0805C562K1R	C0805C562K1RACTU	5600	100	10	.29	.19	4,000	
80-C0805C682J5R	C0805C682J5RACTU	6800	50	5	.38	.25	4,000	
80-C0805C682K5R	C0805C682K5RACTU	6800	50	10	.14	.12	4,000	
80-C0805C822J5R	C0805C822J5RACTU	8200	50	5	.38	.25	4,000	
80-C0805C822K5R	C0805C822K5RACTU	8200	50	10	.25	.16	4,000	
80-C0805C123K5R	C0805C123K5RACTU	.012uF	50	10	.28	.18	4,000	
80-C0805C153J5R	C0805C153J5RACTU	.015uF	50	5	.42	.27	4,000	
80-C0805C153K5R	C0805C153K5RACTU	.015uF	50	10	.28	.18	4,000	
80-C0805C153K1R	C0805C153K1RACTU	.015uF	100	10	.32	.21	4,000	
80-C0805C183K5R	C0805C183K5RACTU	.018uF	50	10	.15	.12	4,000	
80-C0805C103J5R	C0805C103J5RACTU	.01uF	50	5	.04	.03	4,000	
80-C0805C103K5R	C0805C103K5RACTU	.01uF	50	10	.03	.03	4,000	
80-C0805C103M5R	C0805C103M5RACTU	.01uF	50	20	.05	.04	4,000	
80-C0805C103J1R	C0805C103J1RACTU	.01uF	100	5	.44	.29	4,000	
80-C0805C103K1R	C0805C103K1RACTU	.01uF	100	10	.06	.05	4,000	
80-C0805C223J5R	C0805C223J5RACTU	.022uF	50	5	.23	.19	4,000	
80-C0805C223K5R	C0805C223K5RACTU	.022uF	50	10	.04	.03	4,000	
80-C0805C223K1R	C0805C223K1RACTU	.022uF	100	10	.32	.21	4,000	
80-C0805C273K5R	C0805C273K5RACTU	.027uF	50	10	.05	.04	4,000	
80-C0805C333J5R	C0805C333J5RACTU	.033uF	50	5	.47	.31	4,000	
80-C0805C333K5R	C0805C333K5RACTU	.033uF	50	10	.12	.10	4,000	
80-C0805C393J5R	C0805C393J5RACTU	.039uF	50	5	.48	.31	4,000	
80-C0805C473K5R	C0805C473K5RACTU	.047uF	50	10	.05	.04	4,000	
80-C0805C563J5R	C0805C563J5RACTU	.056uF	50	5	.54	.35	4,000	

ET CERAMIC CHIP CAPACITORS (CONT.)

Dimensions: mm and (IN)



Style	L	W	T	B	S
0805	2.0(.079)±0.2(.008)	1.25(.049)±0.2(.008)	1.3 (.051)	0.5(.02)±.25(.010)	0.75 (.030)
1206	3.2(.126)±0.2(.008)	1.6(.063)±0.2(.008)	1.5 (.059)	0.5(.02)±.25(.010)	N/A

Size 0805 (cont.)

Please call a Mouser representative for information of product not listed.

OUSER OCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
rature Coef: X7R (cont.)								
05C563K5R	C0805C563K5RACTU	.056uF	50	10	.18	.11	4,000	.03
05C683J5R	C0805C683J5RACTU	.068uF	50	5	.62	.40	4,000	.11
05C683K5R	C0805C683K5RACTU	.068uF	50	10	.23	.19	4,000	.14
05C823K5R	C0805C823K5RACTU	.082uF	50	10	.43	.28	4,000	.08
05C154K4R	C0805C154K4RACTU	.15uF	16	10	.57	.37	4,000	.10
05C154K3R	C0805C154K3RACTU	.15uF	25	10	.63	.41	4,000	.11
05C184K4R	C0805C184K4RACTU	.18uF	16	10	.63	.41	4,000	.11
05C104K4R	C0805C104K4RACTU	.1uF	16	10	.48	.31	4,000	.09
05C104K3R	C0805C104K3RACTU	.1uF	25	10	.08	.07	4,000	.02
05C104J5R	C0805C104J5RACTU	.1uF	50	5	.06	.05	4,000	.04
05C104K5R	C0805C104K5RACTU	.1uF	50	10	.06	.05	4,000	.03
05C104M5R	C0805C104M5RACTU	.1uF	50	20	.04	.03	4,000	.03
05C224J4R	C0805C224J4RACTU	.22uF	16	5	1.12	.73	4,000	.20
05C224K4R	C0805C224K4RACTU	.22uF	16	10	.74	.48	4,000	.13
05C224J3R	C0805C224J3RACTU	.22uF	25	5	1.31	.85	4,000	.24
05C224K3R	C0805C224K3RACTU	.22uF	25	10	.82	.53	4,000	.15
05C274K4R	C0805C274K4RACTU	.27uF	16	10	.79	.51	4,000	.14
05C274K3R	C0805C274K3RACTU	.27uF	25	10	.86	.56	4,000	.16
05C334K8R	C0805C334K8RACTU	.33uF	10	10	.81	.53	2,500	.15
05C334J4R	C0805C334J4RACTU	.33uF	16	5	1.20	.78	2,500	.22
05C334K4R	C0805C334K4RACTU	.33uF	16	10	.81	.53	2,500	.15
05C334K3R	C0805C334K3RACTU	.33uF	25	10	.89	.58	2,500	.23
05C394K4R	C0805C394K4RACTU	.39uF	16	10	.94	.61	2,500	.17
05C474J4R	C0805C474J4RACTU	.47uF	16	5	1.25	.81	2,500	.23
05C474K4R	C0805C474K4RACTU	.47uF	16	10	.40	.26	2,500	.07
05C474J3R	C0805C474J3RACTU	.47uF	25	5	1.46	.95	2,500	.26
05C474K3R	C0805C474K3RACTU	.47uF	25	10	1.05	.68	2,500	.19
05C564K8R	C0805C564K8RACTU	.56uF	10	10	.95	.62	2,500	.17
05C684K8R	C0805C684K8RACTU	.68uF	10	10	1.15	.75	2,500	.21
05C105K8R	C0805C105K8RACTU	1.0uF	10	10	.42	.27	2,500	.08
05C105K4R	C0805C105K4RACTU	1.0uF	16	10	.23	.15	2,500	.06
05C125K9R	C0805C125K9RACTU	1.2uF	6.3	10	.92	.59	2,500	.18
05C125K8R	C0805C125K8RACTU	1.2uF	10	10	.95	.62	2,500	.19
05C125K4R	C0805C125K4RACTU	1.2uF	16	10	1.20	.78	2,500	.24
05C155K9R	C0805C155K9RACTU	1.5uF	6.3	10	.95	.62	2,500	.19
05C155K8R	C0805C155K8RACTU	1.5uF	10	10	.95	.62	2,500	.19
05C155K4R	C0805C155K4RACTU	1.5uF	16	10	1.20	.78	2,500	.24
05C185K9R	C0805C185K9RACTU	1.8uF	6.3	10	.95	.62	2,500	.19
05C185K8R	C0805C185K8RACTU	1.8uF	10	10	.95	.62	2,500	.19
05C185K4R	C0805C185K4RACTU	1.8uF	16	10	1.20	.78	2,500	.24
05C225K9R	C0805C225K9RACTU	2.2uF	6.3	10	.32	.21	2,500	.06
05C225K8R	C0805C225K8RACTU	2.2uF	10	10	.32	.21	2,500	.06
05C225K4R	C0805C225K4RACTU	2.2uF	16	10	.45	.29	2,500	.09
erature Coef: X5R								
05C125K9P	C0805C125K9PACTU	1.2uF	6.3	10	.41	.27	4,000	.08
05C125K8P	C0805C125K8PACTU	1.2uF	10	10	.41	.27	4,000	.08
05C155K9P	C0805C155K9PACTU	1.5uF	6.3	10	.43	.28	2,500	.08
05C155K8P	C0805C155K8PACTU	1.5uF	10	10	.43	.28	2,500	.08
05C185K9P	C0805C185K9PACTU	1.8uF	6.3	10	.45	.29	2,500	.08
05C185K8P	C0805C185K8PACTU	1.8uF	10	10	.45	.29	2,500	.08
05C225K9P	C0805C225K9PACTU	2.2uF	6.3	10	.41	.27	2,500	.07
05C225K8P	C0805C225K8PACTU	2.2uF	10	10	.41	.27	2,500	.08
05C275K9P	C0805C275K9PACTU	2.7uF	6.3	10	.64	.41	4,000	.13
05C275K8P	C0805C275K8PACTU	2.7uF	10	10	.64	.41	4,000	.13
05C335K9P	C0805C335K9PACTU	3.3uF	6.3	10	.64	.41	2,500	.11
05C335K8P	C0805C335K8PACTU	3.3uF	10	10	.64	.41	2,500	.11
05C395K9P	C0805C395K9PACTU	3.9uF	6.3	10	.64	.41	2,500	.11
05C395K8P	C0805C395K8PACTU	3.9uF	10	10	.64	.41	2,500	.11
05C475K9P	C0805C475K9PACTU	4.7uF	6.3	10	.51	.33	2,500	.09
05C475K8P	C0805C475K8PACTU	4.7uF	10	10	.45	.29	2,500	.09
05C565K9P	C0805C565K9PACTU	5.6uF	6.3	10	1.31	.85	2,500	.24
05C685K9P	C0805C685K9PACTU	6.8uF	6.3	10	1.31	.85	2,500	.26
05C825K9P	C0805C825K9PACTU	8.2uF	6.3	10	1.31	.85	2,500	.24
05C106K9P	C0805C106K9PACTU	10uF	6.3	10	.80	.52	2,500	.16
erature Coef: Z5U								
05C103M5U	C0805C103M5UACTU	.01uF	50	20	.10	.06	4,000	.02
05C103Z5U	C0805C103Z5UACTU	.01uF	50	+80, -20	.10	.06	4,000	.02
05C104M5U	C0805C104M5UACTU	.1uF	50	20	.05	.04	4,000	.03
05C104Z5U	C0805C104Z5UACTU	.1uF	50	+80, -20	.11	.07	4,000	.02
erature Coef: Y5V								
05C104Z3V	C0805C104Z3VACTU	.1uF	25	+80, -20	.11	.07	4,000	.02
05C104M5V	C0805C104M5VACTU	.1uF	50	20	.11	.07	4,000	.02
05C104Z5V	C0805C104Z5VACTU	.1uF	50	+80, -20	.11	.07	4,000	.02
05C224M3V	C0805C224M3VACTU	.22uF	25	20	.39	.25	4,000	.07
05C224Z3V	C0805C224Z3VACTU	.22uF	25	+80, -20	.36	.23	4,000	.07
05C334Z4V	C0805C334Z4VACTU	.33uF	16	+80, -20	.32	.21	4,000	.06
05C334Z3V	C0805C334Z3VACTU	.33uF	25	+80, -20	.40	.26	4,000	.07
05C474Z4V	C0805C474Z4VACTU	.47uF	16	+80, -20	.13	.10	4,000	.08
05C474M3V	C0805C474M3VACTU	.47uF	25	20	.49	.32	4,000	.09
05C474Z3V	C0805C474Z3VACTU	.47uF	25	+80, -20	.46	.30	4,000	.08
05C684M4V	C0805C684M4VACTU	.68uF	16	20	.68	.44	4,000	.12
05C105M4V	C0805C105M4VACTU	1.0uF	16	20	.23	.15	2,500	.05
05C105Z4V	C0805C105Z4VACTU	1.0uF	16	+80, -20	.21	.13	2,500	.04

Case Size 0805 (cont.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
Temperature Coef: Y5V (cont.)								
80-C0805C105Z3V	C0805C105Z3VACTU	1.0uF	25	+80, -20	.54	.35	2,500	.10
80-C0805C155Z4V	C0805C155Z4VACTU	1.5uF	16	+80, -20	.59	.39	2,500	.11
80-C0805C106Z9V	C0805C106Z9VACTU	10uF	6.3	+80, -20	.99	.64	2500	.18
80-C0805C225Z4V	C0805C225Z4VACTU	2.2uF	16	+80, -20	.65	.42	2,500	.12
80-C0805C335Z9V	C0805C335Z9VACTU	3.3uF	6.3	+80, -20	.84	.55	2,500	.15
80-C0805C335Z8V	C0805C335Z8VACTU	3.3uF	10	+80, -20	.84	.55	2,500	.15
80-C0805C475Z9V	C0805C475Z9VACTU	4.7uF	6.3	+80, -20	.94	.61	2,500	.17
80-C0805C475Z8V	C0805C475Z8VACTU	4.7uF	10	+80, -20	.94	.61	2,500	.17
80-C0805C685Z9V	C0805C685Z9VACTU	6.8uF	6.3	+80, -20	1.09	.71	2,500	.20

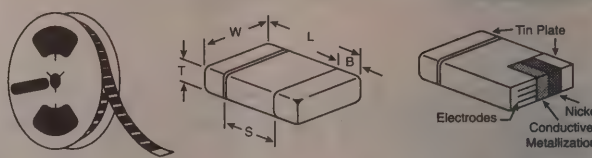
Case Size 1206

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
Temperature Coef: C0G								
80-C1206C109C5G	C1206C109C5GACTU	1	50	.25pF	.66	.43	4000	.12
80-C1206C109D5G	C1206C109D5GACTU	1	50	.5pF	.38	.25	4,000	.07
80-C1206C159C5G	C1206C159C5GACTU	1.5	50	.25pF	.66	.43	4,000	.12
80-C1206C189C5G	C1206C189C5GACTU	1.8	50	.25pF	.66	.43	4,000	.12
80-C1206C209C5G	C1206C209C5GACTU	2	50	.25pF	.79	.52	4,000	.14
80-C1206C229C5G	C1206C229C5GACTU	2.2	50	.25pF	.66	.43	4,000	.12
80-C1206C279C5G	C1206C279C5GACTU	2.7	50	.25pF	.66	.43	4,000	.12
80-C1206C309D5G	C1206C309D5GACTU	3	50	.5pF	.45	.30	4,000	.08
80-C1206C339C5G	C1206C339C5GACTU	3.3	550	.25pF	.66	.43	4,000	.12
80-C1206C399C5G	C1206C399C5GACTU	3.9	50	.25pF	.66	.43	4,000	.12
80-C1206C479K5G	C1206C479K5GACTU	4.7	50	10	.45	.29	4,000	.08
80-C1206C479C5G	C1206C479C5GACTU	4.7	50	.25pF	.66	.43	4,000	.12
80-C1206C509D5G	C1206C509D5GACTU	5	50	.5pF	.83	.54	4,000	.15
80-C1206C519C5G	C1206C519C5GACTU	5.1	50	.25pF	.96	.62	4,000	.17
80-C1206C569J5G	C1206C569J5GACTU	5.6	50	5	.74	.48	4,000	.13
80-C1206C569C5G	C1206C569C5GACTU	5.6	50	.25pF	.80	.52	4,000	.14
80-C1206C689C5G	C1206C689C5GACTU	6.8	50	.25pF	.85	.55	4,000	.15
80-C1206C689D5G	C1206C689D5GACTU	6.8	50	.5pF	.38	.25	4,000	.07
80-C1206C759C5G	C1206C759C5GACTU	7.5	50	.25pF	1.12	.73	4,000	.20
80-C1206C759D5G	C1206C759D5GACTU	7.5	50	.5pF	.45	.30	4,000	.08
80-C1206C829J5G	C1206C829J5GACTU	8.2	50	5	.47	.31	4,000	.09
80-C1206C829D5G	C1206C829D5GACTU	8.2	50	.5pF	.38	.25	4,000	.07
80-C1206C919D5G	C1206C919D5GACTU	9.1	50	.5pF	.45	.30	4,000	.08
80-C1206C100J5G	C1206C100J5GACTU	10	50	5	.09	.07	4,000	.06
80-C1206C100C5G	C1206C100C5GACTU	10	50	.25pF	1.12	.73	4,000	.20
80-C1206C100J1G	C1206C100J1GACTU	10	100	5	.25	.20	4,000	.15
80-C1206C100D1G	C1206C100D1GACTU	10	100	.5pF	.44	.28	4,000	.08
80-C1206C110C5G	C1206C110C5GACTU	11	50	.25pF	1.59	1.03	4,000	.29
80-C1206C120J5G	C1206C120J5GACTU	12	50	5	.16	.10	4,000	.03
80-C1206C120J1G	C1206C120J1GACTU	12	100	5	.44	.28	4,000	.08
80-C1206C150J5G	C1206C150J5GACTU	15	50	5	.16	.10	4,000	.03
80-C1206C150K5G	C1206C150K5GACTU	15	50	10	.36	.23	4,000	.06
80-C1206C150K1G	C1206C150K1GACTU	15	100	10	.41	.27	4,000	.07
80-C1206C180J5G	C1206C180J5GACTU	18	50	5	.16	.10	4,000	.03
80-C1206C200J5G	C1206C200J5GACTU	20	50	5	.45	.30	4,000	.08
80-C1206C200J1G	C1206C200J1GACTU	20	100	5	.52	.34	4,000	.09
80-C1206C220J5G	C1206C220J5GACTU	22	50	5	.16	.10	4,000	.03
80-C1206C220K5G	C1206C220K5GACTU	22	50	10	.36	.23	4,000	.06
80-C1206C220K1G	C1206C220K1GACTU	22	100	10	.41	.27	4,000	.07
80-C1206C240J1G	C1206C240J1GACTU	24	100	5	.52	.34	4,000	.09
80-C1206C270F5G	C1206C270F5GACTU	27	50	1	2.65	1.72	4,000	.48
80-C1206C270J5G	C1206C270J5GACTU	27	50	5	.16	.10	4,000	.03
80-C1206C270K5G	C1206C270K5GACTU	27	50	10	.36	.23	4,000	.06
80-C1206C270J1G	C1206C270J1GACTU	27	100	5	.44	.28	4,000	.08
80-C1206C330G5G	C1206C330G5GACTU	33	50	2	1.32	.86	4,000	.24
80-C1206C330J5G	C1206C330J5GACTU	33	50	5	.16	.10	4,000	.03
80-C1206C330K5G	C1206C330K5GACTU	33	50	10	.36	.23	4,000	.06
80-C1206C330J1G	C1206C330J1GACTU	33	100	5	.44	.28	4,000	.08
80-C1206C330K1G	C1206C330K1GACTU	33	100	10	.41	.27	4,000	.07
80-C1206C330K2G	C1206C330K2GACTU	33	200	10	.50	.33	4,000	.09
80-C1206C390F5G	C1206C390F5GACTU	39	50	1	2.65	1.72	4,000	.48
80-C1206C390J5G	C1206C390J5GACTU	39	50	5	.38	.25	4 000	.07

KEMET CERAMIC CHIP CAPACITORS (CONT.)

Dimensions: mm and



Style	L	W	T	B	S
1206	3.2(.126)±0.2(.008)	1.6(.063)±0.2(.008)	1.5 (.059)	0.5(.02)±.25(.010)	N/A

Case Size 1206 (cont.) Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
Temperature Coef: C0G (cont.)								
80-C1206C390K5G	C1206C390K5GACTU	39	50	10	.36	.23	4,000	.06
80-C1206C390J1G	C1206C390J1GACTU	39	100	5	.44	.28	4,000	.08
80-C1206C470F5G	C1206C470F5GACTU	47	50	1	2.65	1.72	4,000	.48
80-C1206C470G5G	C1206C470G5GACTU	47	50	2	1.32	.86	4,000	.24
80-C1206C470J5G	C1206C470J5GACTU	47	50	5	.16	.10	4,000	.03
80-C1206C470K5G	C1206C470K5GACTU	47	50	10	.36	.23	4,000	.06
80-C1206C470J1G	C1206C470J1GACTU	47	100	5	.44	.28	4,000	.08
80-C1206C470J2G	C1206C470J2GACTU	47	200	5	.53	.34	4,000	.10
80-C1206C470K2G	C1206C470K2GACTU	47	200	10	.50	.33	4,000	.09
80-C1206C510F5G	C1206C510F5GACTU	51	50	1	3.18	2.06	4,000	.57
80-C1206C510J5G	C1206C510J5GACTU	51	50	5	.45	.30	4,000	.08
80-C1206C560F5G	C1206C560F5GACTU	56	50	1	2.65	1.72	4,000	.48
80-C1206C560J5G	C1206C560J5GACTU	56	50	5	.38	.25	4,000	.07
80-C1206C620J1G	C1206C620J1GACTU	62	100	5	.52	.34	4,000	.09
80-C1206C680F5G	C1206C680F5GACTU	68	50	1	2.65	1.72	4,000	.48
80-C1206C680G5G	C1206C680G5GACTU	68	50	2	1.32	.86	4,000	.24
80-C1206C680J5G	C1206C680J5GACTU	68	50	5	.38	.25	4,000	.07
80-C1206C680M5G	C1206C680M5GACTU	68	50	20	.34	.22	4,000	.06
80-C1206C680J1G	C1206C680J1GACTU	68	100	5	.44	.28	4,000	.08
80-C1206C820F5G	C1206C820F5GACTU	82	50	1	2.65	1.72	4,000	.48
80-C1206C820J5G	C1206C820J5GACTU	82	50	5	.38	.25	4,000	.07
80-C1206C101F5G	C1206C101F5GACTU	100	50	1	2.65	1.72	4,000	.48
80-C1206C101G5G	C1206C101G5GACTU	100	50	2	1.32	.86	4,000	.24
80-C1206C101J5G	C1206C101J5GACTU	100	50	5	.09	.07	4,000	.06
80-C1206C101K5G	C1206C101K5GACTU	100	50	10	.36	.23	4,000	.06
80-C1206C101J1G	C1206C101J1GACTU	100	100	5	.10	.08	4,000	.06
80-C1206C101K1G	C1206C101K1GACTU	100	100	10	.41	.27	4,000	.07
80-C1206C101K2G	C1206C101K2GACTU	100	200	10	.50	.33	4,000	.09
80-C1206C121G5G	C1206C121G5GACTU	120	50	2	1.32	.86	4,000	.24
80-C1206C121J5G	C1206C121J5GACTU	120	50	5	.38	.25	4,000	.07
80-C1206C121J1G	C1206C121J1GACTU	120	100	5	.44	.28	4,000	.08
80-C1206C151G5G	C1206C151G5GACTU	150	50	2	1.40	.91	4,000	.25
80-C1206C151J5G	C1206C151J5GACTU	150	50	5	.22	.14	4,000	.04
80-C1206C151K5G	C1206C151K5GACTU	150	50	10	.38	.25	4,000	.07
80-C1206C151J1G	C1206C151J1GACTU	150	100	5	.46	.30	4,000	.08
80-C1206C151J2G	C1206C151J2GACTU	150	200	5	.56	.36	4,000	.10
80-C1206C181F5G	C1206C181F5GACTU	180	50	1	2.87	1.87	4,000	.52
80-C1206C181J5G	C1206C181J5GACTU	180	50	5	.41	.27	4,000	.07
80-C1206C181K5G	C1206C181K5GACTU	180	50	10	.39	.25	4,000	.07
80-C1206C181J1G	C1206C181J1GACTU	180	100	5	.47	.31	4,000	.09
80-C1206C201J1G	C1206C201J1GACTU	200	100	5	.57	.37	4,000	.10
80-C1206C221F5G	C1206C221F5GACTU	220	50	1	2.87	1.87	4,000	.52
80-C1206C221G5G	C1206C221G5GACTU	220	50	2	1.44	.93	4,000	.26
80-C1206C221J5G	C1206C221J5GACTU	220	50	5	.25	.16	4,000	.05
80-C1206C221K5G	C1206C221K5GACTU	220	50	10	.39	.25	4,000	.07
80-C1206C221J2G	C1206C221J2GACTU	220	200	5	.57	.37	4,000	.10
80-C1206C271J5G	C1206C271J5GACTU	270	50	5	.42	.27	4,000	.08
80-C1206C271K5G	C1206C271K5GACTU	270	50	10	.40	.26	4,000	.07
80-C1206C271J1G	C1206C271J1GACTU	270	100	5	.48	.31	4,000	.09
80-C1206C271J2G	C1206C271J2GACTU	270	200	5	.59	.38	4,000	.11
80-C1206C331G5G	C1206C331G5GACTU	330	50	2	1.47	.96	4,000	.27
80-C1206C331J5G	C1206C331J5GACTU	330	50	5	.28	.18	4,000	.05
80-C1206C331K5G	C1206C331K5GACTU	330	50	10	.40	.26	4,000	.07
80-C1206C331J1G	C1206C331J1GACTU	330	100	5	.48	.31	4,000	.09
80-C1206C331K1G	C1206C331K1GACTU	330	100	10	.46	.30	4,000	.08
80-C1206C331J2G	C1206C331J2GACTU	330	200	5	.59	.38	4,000	.11
80-C1206C361J5G	C1206C361J5GACTU	360	50	5	.52	.34	4,000	.09
80-C1206C391G5G	C1206C391G5GACTU	390	50	2	1.51	.98	4,000	.27
80-C1206C391J5G	C1206C391J5GACTU	390	50	5	.43	.28	4,000	.08
80-C1206C391K5G	C1206C391K5GACTU	390	50	10	.41	.27	4,000	.07
80-C1206C391J2G	C1206C391J2GACTU	390	200	5	.60	.39	4,000	.11
80-C1206C471F5G	C1206C471F5GACTU	470	50	1	3.02	1.96	4,000	.54
80-C1206C471G5G	C1206C471G5GACTU	470	50	2	1.51	.98	4,000	.27
80-C1206C471J5G	C1206C471J5GACTU	470	50	5	.30	.20	4,000	.05
80-C1206C471K5G	C1206C471K5GACTU	470	50	10	.41	.27	4,000	.07
80-C1206C471J1G	C1206C471J1GACTU	470	100	5	.50	.32	4,000	.10
80-C1206C471K1G	C1206C471K1GACTU	470	100	10	.47	.31	4,000	.09
80-C1206C471K2G	C1206C471K2GACTU	470	200	10	.57	.37	4,000	.10
80-C1206C561G5G	C1206C561G5GACTU	560	50	2	1.58	1.03	4,000	.29
80-C1206C561J5G	C1206C561J5GACTU	560	50	5	.45	.29	4,000	.08
80-C1206C561K5G	C1206C561K5GACTU	560	50	10	.43	.28	4,000	.08
80-C1206C561J1G	C1206C561J1GACTU	560	100	5	.52	.34	4,000	.09
80-C1206C621J5G	C1206C621J5GACTU	620	50	5	.57	.37	4,000	.10
80-C1206C681F5G	C1206C681F5GACTU	680	50	1	3.31	2.15	4,000	.60
80-C1206C681J5G	C1206C681J5GACTU	680	50	5	.47	.31	4,000	.09
80-C1206C681K5G	C1206C681K5GACTU	680	50	10	.45	.29	4,000	.08
80-C1206C681K1G	C1206C681K1GACTU	680	100	10	.52	.34	4,000	.09
80-C1206C751J5G	C1206C751J5GACTU	750	50	5	.59	.39	4,000	.11
80-C1206C821G5G	C1206C821G5GACTU	820	50	2	1.73	1.12	4,000	.31
80-C1206C821J5G	C1206C821J5GACTU	820	50	5	.49	.32	4,000	.09
80-C1206C821K5G	C1206C821K5GACTU	820	50	10	.47	.31	4,000	.09
80-C1206C102F5G	C1206C102F5GACTU	1000	50	1	1.93	1.55	4,000	1.16

Case Size 1206 (cont.) Please call a Mouser representative for information of product no

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	P
Temperature Coef: C0G (cont.)								
80-C1206C102G5G	C1206C102G5GACTU	1000	50	2	1.84	1.19	4,000	
80-C1206C102J5G	C1206C102J5GACTU	1000	50	5	.10	.08	4,000	
80-C1206C102K5G	C1206C102K5GACTU	1000	50	10	.38	.24	4,000	
80-C1206C102F1G	C1206C102F1GACTU	1000	100	1	4.23	2.75	4,000	
80-C1206C102G1G	C1206C102G1GACTU	1000	100	2	2.11	1.37	4,000	
80-C1206C102J1G	C1206C102J1GACTU	1000	100	5	.18	.14	4,000	
80-C1206C102K1G	C1206C102K1GACTU	1000	100	10	.12	.10	4,000	
80-C1206C102K2G	C1206C102K2GACTU	1000	200	10	.71	.46	4,000	
80-C1206C122J5G	C1206C122J5GACTU	1200	50	5	.55	.35	4,000	
80-C1206C122K5G	C1206C122K5GACTU	1200	50	10	.52	.33	4,000	
80-C1206C122J1G	C1206C122J1GACTU	1200	100	5	.63	.41	4,000	
80-C1206C152J5G	C1206C152J5GACTU	1500	50	5	.57	.37	4,000	
80-C1206C152K5G	C1206C152K5GACTU	1500	50	10	.54	.35	4,000	
80-C1206C152M5G	C1206C152M5GACTU	1500	50	20	.50	.33	4,000	
80-C1206C152J1G	C1206C152J1GACTU	1500	100	5	.65	.42	4,000	
80-C1206C182F5G	C1206C182F5GACTU	1800	50	1	4.19	2.73	4,000	
80-C1206C182J5G	C1206C182J5GACTU	1800	50	5	.60	.39	4,000	
80-C1206C222F5G	C1206C222F5GACTU	2200	50	1	4.41	2.87	4,000	
80-C1206C222G5G	C1206C222G5GACTU	2200	50	2	2.21	1.43	4,000	
80-C1206C222J5G	C1206C222J5GACTU	2200	50	5	.63	.41	4,000	
80-C1206C222K5G	C1206C222K5GACTU	2200	50	10	.60	.39	4,000	
80-C1206C222J1G	C1206C222J1GACTU	2200	100	5	.73	.47	4,000	
80-C1206C272F5G	C1206C272F5GACTU	2700	50	1	4.63	3.01	4,000	
80-C1206C272G5G	C1206C272G5GACTU	2700	50	2	2.32	1.51	4,000	
80-C1206C272K5G	C1206C272K5GACTU	2700	50	10	.63	.41	4,000	
80-C1206C272J1G	C1206C272J1GACTU	2700	100	5	.76	.49	4,000	
80-C1206C332G5G	C1206C332G5GACTU	3300	50	2	2.46	1.60	4,000	
80-C1206C332J5G	C1206C332J5GACTU	3300	50	5	.70	.46	4,000	
80-C1206C332J1G	C1206C332J1GACTU	3300	100	5	.81	.53	4,000	
80-C1206C392F5G	C1206C392F5GACTU	3900	50	1	5.44	3.54	4,000	
80-C1206C392J5G	C1206C392J5GACTU	3900	50	5	.78	.51	4,000	
80-C1206C472F5G	C1206C472F5GACTU	4700	50	1	6.25	4.06	4,000	
80-C1206C472G5G	C1206C472G5GACTU	4700	50	2	3.13	2.03	4,000	
80-C1206C472J5G	C1206C472J5GACTU	4700	50	5	.89	.58	4,000	
80-C1206C562J5G	C1206C562J5GACTU	5600	50	5	1.15	.74	4,000	
Temperature Coef: X7R								
80-C1206C102K5R	C1206C102K5RACTU	1000	50	10	.07	.05	4,000	
80-C1206C102K1R	C1206C102K1RACTU	1000	100	10	.08	.06	4,000	
80-C1206C122K5R	C1206C122K5RACTU	1200	50	10	.30	.20	4,000	
80-C1206C152K5R	C1206C152K5RACTU	1500	50	10	.30	.20	4,000	
80-C1206C182K5R	C1206C182K5RACTU	1800	50	10	.30	.20	4,000	
80-C1206C222K5R	C1206C222K5RACTU	2200	50	10	.16	.10	4,000	
80-C1206C222K1R	C1206C222K1RACTU	2200	100	10	.35	.23	4,000	
80-C1206C272K5R	C1206C272K5RACTU	2700	50	10	.30	.20	4,000	
80-C1206C332K5R	C1206C332K5RACTU	3300	50	10	.30	.20	4,000	
80-C1206C332K1R	C1206C332K1RACTU	3300	100	10	.35	.23	4,000	
80-C1206C392K5R	C1206C392K5RACTU	3900	50	10	.30	.20	4,000	
80-C1206C472K5R	C1206C472K5RACTU	4700	50	10	.16	.10	4,000	
80-C1206C562K5R	C1206C562K5RACTU	5600	50	10	.30	.20	4,000	
80-C1206C682K5R	C1206C682K5RACTU	6800	50	10	.30	.20	4,000	
80-C1206C123K5R	C1206C123K5RACTU	.012uF	50	10	.34	.22	4,000	
80-C1206C153K5R	C1206C153K5RACTU	.015uF	50	10	.34	.22	4,000	
80-C1206C183K5R	C1206C183K5RACTU	.018uF	50	10	.34	.22	4,000	
80-C1206C103J5R	C1206C103J5RACTU	.01uF	50	5	.17	.11	4,000	
80-C1206C103K5R	C1206C103K5RACTU	.01uF	50	10	.15	.10	4,000	
80-C1206C103J1R	C1206C103J1RACTU	.01uF	100	5	.25	.16	4,000	
80-C1206C103K1R	C1206C103K1RACTU	.01uF	100	10	.30	.20	4,000	
80-C1206C103M1R	C1206C103M1RACTU	.01uF	100	20	.12	.08	4,000	
80-C1206C223K5R	C1206C223K5RACTU	.022uF	50	10	.17	.11	4,000	
80-C1206C273K5R	C1206C273K5RACTU	.027uF	50	10	.34	.22	4,000	
80-C1206C333K5R	C1206C333K5RACTU	.033uF	50	10	.34	.22	4,000	
80-C1206C333K1R	C1206C333K1RACTU	.033uF	100	10	.39	.25	4,000	
80-C1206C393K5R	C1206C393K5RACTU	.039uF	50	10	.35	.23	4,000	
80-C1206C473K5R	C1206C473K5RACTU	.047uF	50	10	.18	.12	4,000	
80-C1206C563K1R	C1206C563K1RACTU	.056uF	100	10	.50	.33	4,000	
80-C1206C683J5R	C1206C683J5RACTU	.068uF	50	5	.37	.24	4,000	
80-C1206C683K1R	C1206C683K1RACTU	.068uF	100	10	.55	.35	4,000	
80-C1206C823K1R	C1206C823K1RACTU	.082uF	100	10	.57	.37	4,000	
80-C1206C104J5R	C1206C104J5RACTU	0.1uF	50	5	.25	.16	4,000	
80-C1206C104K5R	C1206C104K5RACTU	.1µF	50	10	.15	.10	4,000	
80-C1206C104M5R	C1206C104M5RACTU	0.1uF	50	20	.15	.10	4,000	

ET CERAMIC CHIP CAPACITORS (CONT.)

Size 1206 (cont.)

Please call a Mouser representative for information of product not listed.

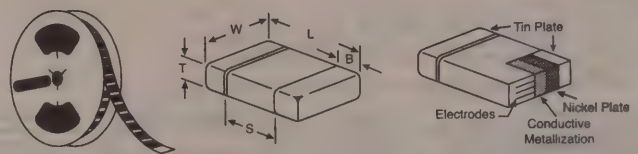
MOUSER TOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
erature Coef: X7R (cont.)								
206C104K1R	C1206C104K1RACTU	0.1µF	100	10	.60	.39	4,000	.11
206C154K5R	C1206C154K5RACTU	0.15µF	50	10	.54	.35	2,500	.10
206C224K5R	C1206C224K5RACTU	.22µF	50	10	.38	.25	2,500	.10
206C224J5R	C1206C224J5RACTU	.22µF	50	5	1.25	.81	2,500	.23
206C334K4R	C1206C334K4RACTU	.33µF	16	10	.90	.59	4,000	.16
206C334K3R	C1206C334K3RACTU	.33µF	25	10	.90	.59	4,000	.16
206C474K3R	C1206C474K3RACTU	.47µF	25	10	1.00	.65	4,000	.18
206C105K4R	C1206C105K4RACTU	1.0µF	16	10	.41	.27	2,500	.07
206C105K3R	C1206C105K3RACTU	1.0µF	25	10	.31	.21	2,000	.06
206C125K8R	C1206C125K8RACTU	1.2µF	10	10	1.30	.85	4,000	.23
206C125K4R	C1206C125K4RACTU	1.2µF	16	10	.67	.54	4,000	.40
206C155K8R	C1206C155R8KACTU	1.5µF	10	10	1.55	1.00	2,500	.28
206C225K4R	C1206C225K4RACTU	2.2µF	16	10	.47	.43	2,000	.35
206C275K9R	C1206C275K9RACTU	2.7µF	6.3	10	1.60	1.04	4000	.32
206C275K8R	C1206C275K8RACTU	2.7µF	10	10	1.60	1.04	4000	.32
206C275K4R	C1206C275K4RACTU	2.7µF	16	10	1.60	1.04	4000	.32
206C335K9R	C1206C335K9RACTU	3.3µF	6.3	10	1.70	1.11	2500	.34
206C335K8R	C1206C335K8RACTU	3.3µF	10	10	1.70	1.11	2500	.34
206C335K4R	C1206C335K4RACTU	3.3µF	16	10	1.70	1.11	2500	.34
206C395K9R	C1206C395K9RACTU	3.9µF	6.3	10	1.70	1.11	2500	.34
206C395K8R	C1206C395K8RACTU	3.9µF	10	10	1.70	1.11	2500	.34
206C395K4R	C1206C395K4RACTU	3.9µF	16	10	1.70	1.11	2500	.34
206C475K9R	C1206C475K9RACTU	4.7µF	6.3	10	.60	.39	2500	.12
206C475K8R	C1206C475K8RACTU	4.7µF	10	10	.60	.39	2500	.12
206C475K4R	C1206C475K4RACTU	4.7µF	16	10	1.80	1.17	2500	.36
206C565K9R	C1206C565K9RACTU	5.6µF	6.3	10	1.80	1.17	2000	.36
206C565K8R	C1206C565K8RACTU	5.6µF	10	10	1.80	1.17	2000	.36
206C565K4R	C1206C565K4RACTU	5.6µF	16	10	1.90	1.24	2000	.38
206C685K9R	C1206C685K9RACTU	6.8µF	6.3	10	1.90	1.24	2000	.38
206C685K8R	C1206C685K8RACTU	6.8µF	10	10	1.90	1.24	2000	.38
206C685K4R	C1206C685K4RACTU	6.8µF	16	10	2.00	1.30	2000	.40
206C825K9R	C1206C825K9RACTU	8.2µF	6.3	10	2.00	1.30	2000	.40
206C825K8R	C1206C825K8RACTU	8.2µF	10	10	2.00	1.30	2000	.40
206C106K9R	C1206C106K9RACTU	10µF	6.3	10	.62	.40	2000	.12
206C106K8R	C1206C106K8RACTU	10µF	10	10	.62	.40	2000	.12
erature Coef: X5R								
206C105K3P	C1206C105K3PACTU	1.0µF	25	10	1.45	.86	2,000	.34
206C225K4P	C1206C225K4PACTU	2.2µF	16	10	.80	.52	2,500	.14
206C275K3P	C1206C275K3PACTU	2.7µF	25	10	.90	.59	2,500	.16
206C335K4P	C1206C335K4PACTU	3.3µF	16	10	1.00	.65	2,000	.18
206C335K3P	C1206C335K3PACTU	3.3µF	25	10	1.00	.65	2,000	.18
206C395K3P	C1206C395K3PACTU	3.9µF	25	10	1.00	.65	2,000	.18
206C475K8P	C1206C475K8PACTU	4.7µF	10	10	.63	.50	2,000	.40
206C475K4P	C1206C475K4PACTU	4.7µF	16	10	.78	.51	2,000	.16
206C475K3P	C1206C475K3PACTU	4.7µF	25	10	.50	.33	2,000	.10
206C685K9P	C1206C685K9PACTU	6.8µF	6.3	10	1.36	.88	2,000	.25
206C106K9P	C1206C106K9PACTU	10µF	6.3	10	.82	.53	2,000	.15
206C106K8P	C1206C106K8PACTU	10µF	10	10	.65	.42	2,000	.13
206C126K9P	C1206C126K9PACTU	12µF	6.3	10	1.85	1.20	2,000	.33
206C156K9P	C1206C156K9PACTU	15µF	6.3	10	1.95	1.27	2,000	.35
206C186K9P	C1206C186K9PACTU	18µF	6.3	10	2.15	1.40	2,000	.39
206C226K9P	C1206C226K9PACTU	22µF	6.3	10	1.60	1.04	2,000	.32
perature Coef: Z5U								
206C104M5U	C1206C104M5UACTU	0.1µF	50	20	.18	.12	4000	.03
206C104Z5U	C1206C104Z5UACTU	0.1µF	50	+80, -20	.18	.12	4000	.03
perature Coef: Y5V								
206C105M4V	C1206C105M4VACTU	1.0µF	16	20	.25	.16	4,000	.04
206C105Z3V	C1206C105Z3VACTU	1.0µF	25	+80, -20	.56	.36	4,000	.10
206C155Z4V	C1206C155Z4VACTU	1.5µF	16	+80, -20	.75	.49	4,000	.14
206C225Z4V	C1206C225Z4VACTU	2.2µF	16	+80, -20	.75	.49	2500	.14
206C335Z4V	C1206C335Z4VACTU	3.3µF	16	+80, -20	.85	.55	2500	.15
206C475Z4V	C1206C475Z4VACTU	4.7µF	16	+80, -20	.12	.11	2500	.09
206C685Z8V	C1206C685Z8VACTU	6.8µF	10	+80, -20	.61	.49	2000	.37
206C106Z8V	C1206C106Z8VACTU	10µF	10	+80, -20	.72	.47	2000	.30
206C156Z9V	C1206C156Z9VACTU	15µF	6.3	+80, -20	2.00	1.30	2000	.36
206C226Z9V	C1206C226Z9VACTU	22µF	6.3	+80, -20	.94	.82	2000	.59

e Size 1210

Please call a Mouser representative for information of product not listed

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
perature Coef: C0G								
1210C272J5G	C1210C272J5GACTU	2700	50	5	1.06	.69	4,000	.19
1210C332J5G	C1210C332J5GACTU	3300	50	5	1.12	.73	4,000	.20
1210C682J5G	C1210C682J5GACTU	6800	50	5	2.20	1.43	4,000	.40
1210C103F5G	C1210C103F5GACTU	.01µF	50	1	5.90	5.10	2,500	4.10
1210C103J5G	C1210C103J5GACTU	.01µF	50	5	3.16	2.05	4,000	.57

Dimensions: mm and (IN)



Style	L	W	T	B	S
1206	3.2(.126)±0.2(.008)	1.6(.063)±0.2(.008)	1.5 (.059)	0.5(.02)±.25(.010)	N/A
1210	3.2(.126)±0.2(.008)	2.5(.098)±0.2(.008)	1.5 (.059)	0.5(.02)±.25(.010)	N/A

Case Size 1210 (cont.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	1	100	Reel Qty.	Price Each
Temperature Coef: X7R								
80-C1210C103K5R	C1210C103K5RACTU	.01µF	50	10	.60	.39	4,000	.11
80-C1210C103K1R	C1210C103K1RACTU	.01µF	100	10	.69	.45	4,000	.12
80-C1210C103K2R	C1210C103K2RACTU	.01µF	200	10	.84	.55	4,000	.15
80-C1210C223K5R	C1210C223K5RACTU	.022µF	50	10	.63	.41	4,000	.11
80-C1210C223K1R	C1210C223K1RACTU	.022µF	100	10	.72	.47	4,000	.13
80-C1210C104K5R	C1210C104K5RACTU	.1µF	50	10	.32	.21	4,000	.06
80-C1210C104K1R	C1210C104K1RACTU	.1µF	100	10	.37	.30	2,500	.15
80-C1210C104K2R	C1210C104K2RACTU	.1µF	200	10	1.02	.66	2,500	.18
80-C1210C224K5R	C1210C224K5RACTU	.22µF	50	10	.40	.26	2,500	.10
80-C1210C334K5R	C1210C334K5RACTU	.33µF	50	10	1.65	1.07	2,500	.43
80-C1210C394K5R	C1210C394K5RACTU	.39µF	50	10	1.65	1.07	4000	.37
80-C1210C474K5R	C1210C474K5RACTU	.47µF	50	10	.85	.68	4000	.51
80-C1210C564K5R	C1210C564K5RACTU	.56µF	50	10	.85	.68	4000	.51
80-C1210C684K5R	C1210C684K5RACTU	.68µF	50	10	1.65	1.07	4000	.37
80-C1210C824K5R	C1210C824K5RACTU	.82µF	50	10	1.80	1.17	2500	.41
80-C1210C105K5R	C1210C105K5RACTU	1.0µF	50	10	.68	.47	4,000	.13
80-C1210C125K3R	C1210C125K3RACTU	1.2µF	25	10	.93	.74	4000	.56
80-C1210C155K3R	C1210C155K3RACTU	1.5µF	25	10	1.80	1.17	2000	.41
80-C1210C185K3R	C1210C185K3RACTU	1.8µF	25	10	1.50	.98	2000	.34
80-C1210C225K3R	C1210C225K3RACTU	2.2µF	25	10	.77	.62	2000	.46
Temperature Coef: X5R								
80-C1210C105K5P	C1210C105K5PACTU	1.0µF	50	10	.54	.45	2,500	.30
80-C1210C125K3P	C1210C125K3PACTU	1.2µF	25	10	.85	.55	4000	.19
80-C1210C155K3P	C1210C155K3PACTU	1.5µF	25	10	.79	.66	2000	.29
80-C1210C185K3P	C1210C185K3PACTU	1.8µF	25	10	.85	.55	4000	.19
80-C1210C225K3P	C1210C225K3PACTU	2.2µF	25	10	1.00	.65	2500	.23
80-C1210C275K4P	C1210C275K4PACTU	2.7µF	16	10	1.35	.88	2500	.30
80-C1210C275K3P	C1210C275K3PACTU	2.7µF	25	10	1.35	.88	6000	.30
80-C1210C335K4P	C1210C335K4PACTU	3.3µF	16	10	1.35	.88	2000	.30
80-C1210C335K3P	C1210C335K3PACTU	3.3µF	25	10	1.35	.88	2000	.30
80-C1210C395K4P	C1210C395K4PACTU	3.9µF	16	10	1.65	1.07	2000	.37
80-C1210C395K3P	C1210C395K3PACTU	3.9µF	25	10	1.65	1.07	2000	.37
80-C1210C475K8P	C1210C475K8PACTU	4.7µF	10	10	.86	.68	2000	.51
80-C1210C475K4P	C1210C475K4PACTU	4.7µF	16	10	1.65	1.07	2000	.37
80-C1210C475K3P	C1210C475K3PACTU	4.7µF	25	10	1.98	1.17	2000	.47
80-C1210C565K4P	C1210C565K4PACTU	5.6µF	16	10	2.20	1.43	2500	.50
80-C1210C685K8P	C1210C685K8PACTU	6.8µF	10	10	2.20	1.43	2000	.40
80-C1210C685K4P	C1210C685K4PACTU	6.8µF	16	10	2.20	1.43	2000	.50
80-C1210C825K4P	C1210C825K4PACTU	8.2µF	16	10	2.20	1.43	2000	.50
80-C1210C106K4P	C1210C106K4PACTU	10µF	16	10	1.40	.91	2,000	.28
80-C1210C106K8P	C1210C106K8PACTU	10µF	10	10	3.30	2.15	2000	.59
80-C1210C126K9P	C1210C126K9PACTU	12µF	6.3	10	2.10	1.37	2,500	.38
80-C1210C126M9P	C1210C126M9PACTU	12µF	6.3	20	2.08	1.35	2,500	.37
80-C1210C126K8P	C1210C126K8PACTU	12µF	10	10	2.10	1.37	2,000	.38
80-C1210C126M8P	C1210C126M8PACTU	12µF	10	20	2.08	1.35	2,000	.37
80-C1210C156K9P	C1210C156K9PACTU	15µF	6.3	10	2.20	1.43	2,500	.40
80-C1210C156M9P	C1210C156M9PACTU	15µF	6.3	20	2.18	1.41	2,500	.39
80-C1210C156K8P	C1210C156K8PACTU	15µF	10	10	2.20	1.43	2,000	.40
80-C1210C156M8P	C1210C156M8PACTU	15µF	10	20	2.18	1.41	2,000	.39
80-C1210C186K9P	C1210C186K9PACTU	18µF	6.3	10	2.30	1.50	2,500	.41
80-C1210C186M9P	C1210C186M9PACTU	18µF	6.3	20	2.28	1.48	2,500	.41
80-C1210C186K8P	C1210C186K8PACTU	18µF	10	10	2.30	1.50	2,000	.41
80-C1210C186M8P	C1210C186M8PACTU	18µF	10	20	2.28	1.48	2,000	.41
80-C1210C226K9P	C1210C226K9PACTU	22µF	6.3	10	1.90	1.24	2,500	.34
80-C1210C226M9P	C1210C226M9PACTU	22µF	6.3	20	1.90	1.24	2,500	.34
80-C1210C226K8P	C1210C226K8PACTU	22µF	10	10	1.90	1.24	2,000	.38
80-C1210C226K8P	C1210C226K8PACTU	22µF	10	10	1.90	1.24	2,000	.38
80-C1210C226M8P	C1210C226M8PACTU	22µF	10	20	1.90	1.24	2,000	.34
Temperature Coef: Y5V								
80-C1210C475Z4V	C1210C475Z4VACTU	4.7µF	16	+80, -20	1.40	.91	2500	.25
80-C1210C685Z4V	C1210C685Z4VACTU	6.8µF	16	+80, -20	1.70	1.11	2500	.38
80-C1210C106Z4V	C1210C106Z4VACTU	10µF	16	+80, -20	.55	.44	2000	.29
80-C1210C156Z8V	C1210C156Z8VACTU	15µF	10	+80, -20	2.38	1.54	2500	.53
80-C1210C226Z8V	C1210C226Z8VACTU	22µF	10	+80, -20	1.14	1.00	1500	.71

MURATA Multilayer Ceramic Chip Capacitors

muRata
Innovator in Electr

CERAMIC CHIP CAPACITORS

Features:

- C0G (NP0), X5R, X7R, Y5V, and Z5U Dielectrics
- 6.3, 10, 16, 25, 50, 100, 200, 250, and 500 Volts
- Available tolerances: ±.25pF, ±.5pF, ±.1pF, 1%, 2%, 5%, 10%, +80/-20%
- Nickel Barrier Termination standard- highly resistant to metal migration
- No polarity
- For assistance with Global Part Numbers, please contact a Mouser representative

Style 0201

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Temperature Coeff: C0G								
81-GRM0335C1E3R3CD01	GRM0335C1E3R3CD01E	3.3	25	0.25pF	.07	.05	15000	.009
81-GRM0335C1E100JD01	GRM0335C1E100JD01E	10	25	5%	.07	.05	15000	.009
81-GRM0335C1E101JD01	GRM0335C1E101JD01D	100	25	5%	.07	.05	15000	.009
Temperature Coeff: X7R								
81-GRM033R71C471KD01	GRM033R71C471KD01D	470	16	10%	.06	.04	15000	.008
Temperature Coeff: X5R								
81-GRM033R60J104ME19	GRM033R60J104ME19E	0.1µF	6.3	20%	.14	.11	15000	.023

Style 0402

Please call a Mouser representative for information of product not listed.

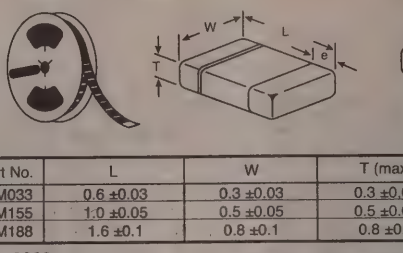
MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Temperature Coeff: C0G								
81-GRM36C0R5C50	GRM1555C1HR50CZ01D	0.5	50	0.25pF	.06	.03	10000	.005
81-GRM36C010C50	GRM1555C1H1R0CZ01D	1	50	0.25pF	.10	.05	10000	.008
81-GRM36C010B50	GRM1555C1H1R0BZ01D	1	50	0.1pF	.11	.05	10000	.009
81-GRM36C1R5C50	GRM1555C1H1R5CZ01D	1.5	50	0.25pF	.06	.03	10000	.005
81-GRM1555C1H1R8CZ01	GRM1555C1H1R8CZ01D	1.8	50	0.25pF	.08	.04	10000	.007
81-GRM36C020C50	GRM1555C1H2R0CZ01D	2	50	0.25pF	.10	.05	10000	.008
81-GRM36C2R2C50	GRM1555C1H2R2CZ01D	2.2	50	0.25pF	.06	.03	10000	.005
81-GRM36C2R2B50	GRM1555C1H2R2BZ01D	2.2	50	0.1pF	.18	.09	10000	.015
81-GRM36C2R7C50	GRM1555C1H2R7CZ01D	2.7	50	0.25pF	.06	.03	10000	.005
81-GRM36C2R7B50	GRM1555C1H2R7BZ01D	2.7	50	0.1pF	.18	.09	10000	.015
81-GRM36C030C50	GRM1555C1H3R0CZ01D	3	50	0.25pF	.10	.05	10000	.008
81-GRM36C3R3C50	GRM1555C1H3R3CZ01D	3.3	50	0.25pF	.06	.03	10000	.005
81-GRM36C3R9C50	GRM1555C1H3R9CZ01D	3.9	50	0.25pF	.06	.03	10000	.005
81-GRM36C4R7C50	GRM1555C1H4R7CZ01D	4.7	50	0.25pF	.06	.03	10000	.005
81-GRM36C050C50	GRM1555C1H5R0CZ01D	5	50	0.25pF	.06	.03	10000	.005
81-GRM1555C1H6R8CZ01	GRM1555C1H6R8CZ01D	6.8	50	0.25pF	.06	.03	10000	.005
81-GRM1555C1H100JZ01	GRM1555C1H100JZ01D	10	50	5%	.06	.03	10000	.005
81-GRM36C120J50	GRM1555C1H120JZ01D	12	50	5%	.06	.03	10000	.005
81-GRM36C150J50	GRM1555C1H150JZ01D	15	50	5%	.06	.03	10000	.005
81-GRM36C180J50	GRM1555C1H180JZ01D	18	50	5%	.06	.03	10000	.005
81-GRM36C220J50	GRM1555C1H220JZ01D	22	50	5%	.06	.03	10000	.005
81-GRM36C330J50	GRM1555C1H330JZ01D	33	50	5%	.10	.05	10000	.008
81-GRM36C390J50	GRM1555C1H390JZ01D	39	50	5%	.06	.03	10000	.005
81-GRM36C470J50	GRM1555C1H470JZ01D	47	50	5%	.06	.03	10000	.005
81-GRM36C560J50	GRM1555C1H560JD01D	56	50	5%	.06	.03	10000	.005
81-GRM1555C1H680JD01	GRM1555C1H680JD01D	68	50	5%	.06	.03	10000	.005
81-GRM36C101J50	GRM1555C1H101JD01D	100	50	5%	.06	.03	10000	.005
81-GRM1555C1H121JA01	GRM1555C1H121JA01D	120	50	5%	.08	.04	10000	.006
81-GRM1555C1H151JA01	GRM1555C1H151JA01D	150	50	5%	.10	.05	10000	.009
81-GRM1555C1H471JA01	GRM1555C1H471JA01D	470	50	5%	.11	.06	10000	.009
Temperature Coeff: X7R								
81-GRM36X221J50	GRM155R71H221JA01D	220	50	5%	.16	.08	10000	.013
81-GRM36X271K50	GRM155R71H271KA01D	270	50	10%	.07	.04	10000	.006
81-GRM36X331K50	GRM155R71H331KA01D	330	50	10%	.12	.06	10000	.010
81-GRM36X471K50	GRM155R71H471KA01D	470	50	10%	.07	.03	10000	.006
81-GRM36X102K50	GRM155R71H102KA01D	1000	50	10%	.06	.03	10000	.005
81-GRM36X152K50	GRM155R71H152KA01D	1500	50	10%	.11	.06	10000	.010
81-GRM36X222K50	GRM155R71H222KA01D	2200	50	10%	.06	.03	10000	.005
Temperature Coeff: X7R (cont.)								
81-GRM36X332K50	GRM155R71H332KA01D	3300	50	10%	.11	.06	10000	.009
81-GRM36X472K25	GRM155R71E472KA01D	4700	25	10%	.06	.03	10000	.005
81-GRM36X103K16	GRM155R71C103KA01D	10000	16	10%	.06	.03	10000	.005
81-GRM36X103K25	GRM155R71E103KA01D	10000	25	10%	.06	.03	10000	.005
81-GRM36X223K16	GRM155R71C223KA01D	22000	16	10%	.12	.06	10000	.010
81-GRM36X333K10	GRM155R71A333KD01D	33000	10	10%	.24	.12	10000	.020
81-GRM36X473K10	GRM155R71A473KA01D	47000	10	10%	.10	.05	10000	.009
81-GRM155R71C104KA88	GRM155R71C104KA88D	0.1µF	16	10%	.09	.05	10000	.008
Temperature Coeff: X5R								
81-GRM36R104K010	GRP155R61A104KA01D	0.1µF	10	10%	.17	.09	10000	.014
81-GRM155R60J224KE01	GRM155R60J224KE01D	.22µF	6.3	10%	.25	.12	10000	.021
Temperature Coeff: Y5V								
81-GRM36Y104Z16	GRM155F51C104ZA01D	0.1µF	16	+80,-20	.06	.03	10000	.005
81-GRM36Y224Z10	GRM155F51A224ZD02D	.22µF	10	+80,-20	.36	.18	10000	.031
81-GRM155F51A474ZE01	GRM155F51A474ZE01D	.47µF	10	+80,-20	.16	.08	10000	.014

Style 0603

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Temperature Coeff: C0G								
81-GRM39C0R5C50	GRM1885C1HR50CZ01D	0.5	50	.25pF	.07	.04	4000	.014
81-GRM39C1R0C50	GRM1885C1H1R0CZ01D	1	50	.25pF	.07	.04	4000	.014
81-GRM1885C1H1R0BZ	GRM1885C1H1R0BZ01D	1	50	0.1pF	.12	.07	4000	.024
81-GRM39C1R2B50	GRM1885C1H1R2BZ01D	1.2	50	0.1pF	.12	.07	4000	.024
81-GRM39C1R5C50	GRM1885C1H1R5CZ01D	1.5	50	.25pF	.07	.04	4000	.014
81-GRM39C1R8C50	GRM1885C1H1R8CZ01D	1.8	50	.25pF	.07	.04	4000	.014
81-GRM39C020C50	GRM1885C1H2R0CZ01D	2	50	.25pF	.07	.04	4000	.014
81-GRM39C2R2B50	GRM1885C1H2R2BZ01D	2.2	50	0.1pF	.12	.07	4000	.024
81-GRM39C2R2C50	GRM1885C1H2R2CZ01D	2.2	50	.25pF	.07	.04	4000	.014
81-GRM39C2R7B50	GRM1885C1H2R7BZ01D	2.7	50	0.1pF	.12	.07	4000	.024
81-GRM39C2R7C50	GRM1885C1H2R7CZ01D	2.7	50	.25pF	.07	.04	4000	.014
81-GRM39C030C50	GRM1885C1H3R0CZ01D	3	50	.25pF	.07	.04	4000	.014
81-GRM39C3R3C50	GRM1885C1H3R3CZ01D	3.3	50	.25pF	.07	.04	4000	.014
81-GRM39C3R9B50	GRM1885C1H3R9BZ01D	3.9	50	0.1pF	.12	.07	4000	.024
81-GRM39C3R9C50	GRM1885C1H3R9CZ01D	3.9	50	.25pF	.07	.04	4000	.014
81-GRM39C040C50	GRM1885C1H4R0CZ01D	4	50	.25pF	.07	.04	4000	.014
81-GRM39C4R7C50	GRM1885C1H4R7CZ01D	4.7	50	.25pF	.07	.04	4000	.014
81-GRM185C1H5R0CZ01D	GRM1885C1H5R0CZ01D	5	50	.25pF	.07	.04	4000	.014

Dimensions mm



Part No.	L	W	T (max)	e	g min
GRM033	0.6 ±0.03	0.3 ±0.03	0.3 ±0.03	0.1 to 0.2	0.2
GRM155	1.0 ±0.05	0.5 ±0.05	0.5 ±0.05	0.15 to 0.3	0.4
GRM188	1.6 ±0.1	0.8 ±0.1	0.8 ±0.1	0.2 to 0.5	0.5

Style 0603

Please call a Mouser representative for information of product not l

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	P P P
Temperature Coeff: C0G (cont.)								
81-GRM39C5R6C50	GRM1885C1H5R6CZ01D	5.6	50	.25pF	.08	.05	4000	.
81-GRM1885C1H6R8CZ01	GRM1885C1H6R8CZ01D	6.8	50	.25pF	.08	.05	4000	.
81-GRM1885C1H7R0CZ	GRM1885C1H7R0CZ01D	7	50	.25pF	.08	.05	4000	.
81-GRM185C1H8R0DZ01D	GRM1885C1H8R0DZ01D	8	50	0.5pF	.07	.04	4000	.
81-GRM39C8R2C50	GRM1885C1H8R2CZ01D	8.2	50	.25pF	.08	.05	4000	.
81-GRM39C100J50	GRM1885C1H100JA01D	10	50	5%	.07	.04	4000	.
81-GRM39C120J50	GRM1885C1H120JA01D	12	50	5%	.07	.04	4000	.
81-GRM39C150J50	GRM1885C1H150JA01D	15	50	5%	.07	.04	4000	.
81-GRM39C180J50	GRM1885C1H180JA01D	18	50	5%	.07	.04	4000	.
81-GRM39C200J50	GRM1885C1H200JA01D	20	50	5%	.07	.04	4000	.
81-GRM39C220J50	GRM1885C1H220JA01D	22	50	5%	.07	.04	4000	.
81-GRM1885C2A220JA01	GRM1885C2A220JA01D	22	100	5%	.06	.03	4000	.
81-GRM1885C1H270JA01	GRM1885C1H270JA01D	27	50	5%	.07	.04	4000	.
81-GRM39C330J50	GRM1885C1H330JA01D	33	50	5%	.07	.04	4000	.
81-GRM39C360J50	GRM1885C1H360JA01D	36	50	5%	.07	.04	4000	.
81-GRM39C390J50	GRM1885C1H390JA01D	39	50	5%	.07	.04	4000	.
Temperature Coeff: C0G								
81-GRM39C470J50	GRM1885C1H470JA01D	47	50	5%	.07	.04	4000	.
81-GRM1885C2A470JA01	GRM1885C2A470JA01D	47	100	5%	.06	.03	4000	.
81-GRM39C560J50	GRM1885C1H560JA01D	56	50	5%	.07	.04	4000	.
81-GRM39C680J50	GRM1885C1H680JA01D	68	50	5%	.07	.04	4000	.
81-GRM39C820J50	GRM1885C1H820JA01D	82	50	5%	.07	.04	4000	.
81-GRM39C101J50	GRM1885C1H101JA01D	100	50	5%	.07	.04	4000	.
81-GRM1885C2A101JA01	GRM1885C2A101JA01D	100	100	5%	.06	.03	4000	.
81-GRM39C121J50	GRM1885C1H121JA01D	120	50	5%	.10	.06	4000	.
81-GRM39C151J50	GRM1885C1H151JA01D	150	50	5%	.12	.07	4000	.
81-GRM39C181J50	GRM1885C1H181JA01D	180	50	5%	.10	.06	4000	.
81-GRM39C201J50	GRM1885C1H201JA01D	200	50	5%	.10	.06	4000	.
81-GRM39C221J050	GRM1885C1H221JA01D	220	50	5%	.14	.08	4000	.
81-GRM39C271J50	GRM1885C1H271JA01D	270	50	5%	.12	.07	4000	.
81-GRM39C331J50	GRM1885C1H331JA01D	330	50	5%	.11	.07	4000	.
81-GRM39C391J50	GRM1885C1H391JA01D	390	50	5%	.11	.07	4000	.
81-GRM39C471J50	GRM1885C1H471JA01D	470	50	5%	.10	.06	4000	.
81-GRM39C561J50	GRM1885C1H561JA01D	560	50	5%	.13	.07	4000	.
81-GRM39C681J50	GRM1885C1H681JA01D	680	50	5%	.12	.07	4000	.
81-GRM39C102J50	GRM1885C1H102JA01D	1000	50	5%	.13	.08	4000	.
81-GRM1885C1H152JA01	GRM1885C1H152JA01D	1500	50	5%	.12	.07	4000	.
81-GRM1885C1H182JA01	GRM1885C1H182JA01D	1800	50	5%	.13	.07	4000	.
81-GRM1885C1H222JA01	GRM1885C1H222JA01D	2200	50	5%	.13	.07	4000	.
Temperature Coeff: X7R								
81-GRM39X221K50D	GRM188R71H221KA01D	220	50	10%	.10	.06	4000	.
81-GRM188R71H331KA01	GRM188R71H331KA01D	330	50	10%	.06	.04	4000	.
81-GRM39X471K50D	GRM188R71H471KA01D	470	50	10%	.07	.04	4000	.
81-GRM39X561K50D	GRM188R71H561KA01D	560	50	10%	.07	.04	4000	.
81-GRM39X681K50D	GRM188R71H681KA01D	680	50	10%	.07	.04	4000	.
81-GRM39X821K50D	GRM188R71H821KA01D	820	50	10%	.07	.04	4000	.
81-GRM39X102J50D	GRM188R71H102JA01D	1000	50	5%	.08	.05	4000	.
81-GRM39X102K050	GRM188R71H102KA01D	1000	50	10%	.06	.03	4000	.
81-GRM188R71H122KA01	GRM188R71H122KA01D	1200	50	10%	.06	.04	4000	.
81-GRM39X152K50	GRM188R71H152KA01D	1500	50	10%	.06	.04	4000	.
81-GRM39X222K50D	GRM188R71H222KA01D	2200	50	10%	.04	.02	4000	.
81-GRM39X272K50D	GRM188R71H272KA01D	2700	50	10%	.07	.04	4000	.
81-GRM188R71H332KA	GRM188R71H332KA01D	3300	50	10%	.06	.04	4000	.
81-GRM39X392K50D	GRM188R71H392KA01D	3900	50	10%	.07	.04	4000	.
81-GRM39X472K50D	GRM188R71H472KA01D	4700	50	10%	.06	.04	4000	.
81-GRM188R71H562KA	GRM188R71H562KA01D	5600	50	10%	.07	.04	4000	.
81-GRM39X682K50D	GRM188R71H682KA01D	6800	50	10%	.07	.04	4000	.
81-GRM39X822K50D	GRM188R71H822KA01D	8200	50	10%	.07	.04	4000	.
81-GRM39X103K25	GRM188R71E103KA01D	10000	25	10%	.05	.03	4000	.
81-GRM39X103K50D	GRM188R71H103KA01D	10000	50	10%	.05	.03	4000	.
81-GRM18R71H153KA01D	GRM188R71H153KA01D	15000	50	10%	.07	.04	4000	.
81-GRM39X223K16D	GRM188R71C223KA01D	22000	16	10%	.07	.04	4000	.
81-GRM39X223K25D	GRM188R71E223KA01D	22000	25	10%	.07	.04	4000	.
81-GRM39X223K50D	GRM188R71H223KA01D	22000	50	10%	.07	.04	4000	.
81-GRM39X273K16D	GRM188R71C273KA01D	27000	16	10%	.08	.05	4000	.
81-GRM188R71E273KA	GRM188R71E273KA01D	27000	25	10%	.09	.06	4000	.
81-GRM39X333K16D	GRM188R71C333KA01D	33000	16	10%	.09	.05	4000	.
81-GRM39X333K25D	GRM188R71E333KA01D	33000	25	10%	.10	.06	4000	.
81-GRM39X473K16D	GRM188R71C473KA01D	47000	16	10%	.10	.06	4000	.
81-GRM39X473K25D	GRM188R71E473KA01D	47000	25	10%	.11	.06	4000	.
81-GRM188R71H473KA61	GRM188R71H473KA61D	47000	50	10%	.11	.07	4000	.
81-GRM39X683K16D	GRM188R71C683KA01D	68000	16	10%	.12	.07	4000	.
81-GRM188R71E683KA01	GRM188R71E683KA01D	68000	25	10%	.08	.05	4000	.
81-GRM39X104K16	GRM188R71C104KA01D	0.1µF	16	10%	.09	.05	4000	.
81-GRM39X104K25	GRM188R71E104KA01D	0.1µF	25	10%	.12	.07	4000	.
81-GRM39X104K50D	GRM188R71H104KA93D	0.1µF	50	10%	.07	.04	4000	.
81-GRM39X224K10D	GRM188R71A224KA01D	0.22µF	10	10%	.26	.15	4000	.
81-GRM188R71C224KA01	GRM188R71C224KA01D	0.22µF	16	10%	.14	.08	4000	.

CERAMIC CHIP CAPACITORS

:
0), X5R, X7R, Y5V, and Z5U Dielectrics
6, 25, 50, 100, 200, 250, and 500 Volts
tolerances: ±.25pF, ±.5pF, ±.1pF, 1%, 2%, 5%, 10%, +80/-20%
mer Termination standard- highly resistant to metal migration
ty
tance with Global Part Numbers, please contact a Mouser representative

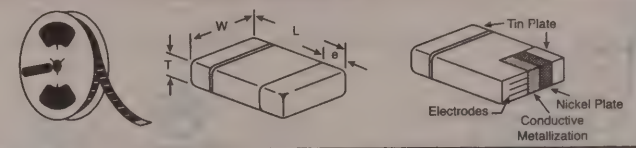
603 (cont.) Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
ture Coeff: X5R								
39R474K10	GRM188R61A474KA61D	0.47µF	10	10%	.15	.09	4000	.030
ture Coeff: Y5V								
39Y104Z16D	GRM188F51C104ZA01D	0.1µF	16	+80,-20	.05	.03	4000	.011
39Y104Z25D	GRM188F51E104ZA01D	0.1µF	25	+80,-20	.05	.03	4000	.011
188F5YA104ZA28	GRM188F5YA104ZA28D	0.1µF	35	+80,-20	.04	.03	4000	.009
39Y224Z16D	GRM188F51C224ZA01D	0.22µF	16	+80,-20	.08	.05	4000	.016

805 Please call a Mouser representative for information of product not listed.

ture Coeff: C0G								
40C010C50D	GRM2165C1H1R0CD01D	1	50	.25pF	.09	.05	4000	.019
40C1R5C50D	GRM2165C1H1R5CD01D	1.5	50	.25pF	.09	.05	4000	.019
40C2R2C50D	GRM2165C1H2R2CD01D	2.2	50	.25pF	.09	.05	4000	.019
2165C1H3R0CD	GRM2165C1H3R0CD01D	3	50	.25pF	.09	.05	4000	.019
40C3R3C50D	GRM2165C1H3R3CD01D	3.3	50	.25pF	.09	.05	4000	.019
2165C1H4R0CD	GRM2165C1H4R0CD01D	4	50	.25pF	.09	.05	4000	.019
40C4R7C50D	GRM2165C1H4R7CD01D	4.7	50	.25pF	.09	.05	4000	.019
40C5R6C50D	GRM2165C1H5R6CD01D	5.6	50	.25pF	.10	.06	4000	.021
2165C1H6R8CD01	GRM2165C1H6R8CD01D	6.8	50	.25pF	.11	.06	4000	.021
2165C1H7R0CZ	GRM2165C1H7R0CZ01D	7	50	.25pF	.10	.06	4000	.021
40C8R2C50D	GRM2165C1H8R2CZ01D	8.2	50	.25pF	.10	.06	4000	.021
40C100D50D	GRM2165C1H100JZ01D	10	50	5%	.09	.05	4000	.018
2165C1H120JZ	GRM2165C1H120JZ01D	12	50	5%	.10	.06	4000	.021
40C150J50D	GRM2165C1H150JZ01D	15	50	5%	.10	.06	4000	.020
40C180J50D	GRM2165C1H180JZ01D	18	50	5%	.10	.06	4000	.021
40C200J50D	GRM2165C1H200JZ01D	20	50	5%	.11	.07	4000	.022
2165C1H220JZ	GRM2165C1H220JZ01D	22	50	5%	.10	.06	4000	.020
40C270J50D	GRM2165C1H270JZ01D	27	50	5%	.10	.06	4000	.021
40C300J50D	GRM2165C1H300JZ01D	30	50	5%	.11	.07	4000	.022
2165C1H330JZ	GRM2165C1H330JZ01D	33	50	5%	.10	.06	4000	.020
40C390J50D	GRM2165C1H390JZ01D	39	50	5%	.10	.06	4000	.021
2165C1H470JZ	GRM2165C1H470JZ01D	47	50	5%	.10	.06	4000	.020
40C680J50D	GRM2165C1H680JZ01D	68	50	5%	.10	.06	4000	.020
2165C1H820JZ	GRM2165C1H820JZ01D	82	50	5%	.10	.06	4000	.021
40C101J50D	GRM2165C1H101JA01D	100	50	5%	.07	.04	4000	.015
215C2A101JA01D	GRM2165C2A101JA01D	100	100	5%	.10	.06	4000	.020
2165C1H121JA	GRM2165C1H121JA01D	120	50	5%	.10	.06	4000	.021
40C151J50D	GRM2165C1H151JA01D	150	50	5%	.09	.05	4000	.019
2165C1H181JA	GRM2165C1H181JA01D	180	50	5%	.10	.06	4000	.021
40C221J50D	GRM2165C1H221JA01D	220	50	5%	.11	.07	4000	.023
40C271J50D	GRM2165C1H271JD51D	270	50	5%	.19	.11	4000	.038
40C331J50D	GRM2165C1H331JA01D	330	50	5%	.13	.07	4000	.026
40C391J50D	GRM2165C1H391JA01D	390	50	5%	.13	.08	4000	.027
40C471J50D	GRM2165C1H471JA01D	470	50	5%	.16	.09	4000	.032
215C2A471JA01L	GRM2165C2A471JA01L	470	100	5%	.17	.10	4000	.034
40C561J50D	GRM2165C1H561JA01D	560	50	5%	.17	.10	4000	.033
40C681J50D	GRM2165C1H681JA01D	680	50	5%	.17	.10	4000	.035
40C102J50D	GRM2165C1H102JA01D	1000	50	5%	.13	.08	4000	.027
2165C1H152JA01	GRM2165C1H152JA01D	1500	50	5%	.14	.08	4000	.029
2165C1H222JA01	GRM2165C1H222JA01L	2200	50	5%	.19	.12	4000	.039
ature Coeff: X7R								
40X221K50D	GRM216R71H221KD01D	220	50	10%	.14	.08	4000	.028
40X471K50D	GRM216R71H471KA01D	470	50	10%	.07	.04	4000	.015
40X102K50D	GRM216R71H102KA01D	1000	50	10%	.05	.03	4000	.010
40X102K100D	GRM219R72A102KD01D	1000	100	10%	.13	.08	4000	.026
40X152K50D	GRM216R71H152KA01D	1500	50	10%	.06	.04	4000	.012
40X222K50D	GRM216R71H222KA01D	2200	50	10%	.05	.03	4000	.011
40X332K50D	GRM216R71H332KA01D	3300	50	10%	.06	.04	4000	.012
40X392K50D	GRM216R71H392KA01D	3900	50	10%	.07	.04	4000	.014
216R71H472KA	GRM216R71H472KA01D	4700	50	10%	.05	.03	4000	.011
40X682K50D	GRM216R71H682KA01D	6800	50	10%	.06	.03	4000	.012
216R71E103KA01	GRM216R71E103KA01D	10000	25	10%	.06	.03	4000	.011
40X103K50D	GRM216R71H103KA01D	10000	50	10%	.06	.03	4000	.011
40X103K100L	GRM21BR72A103KD01L	10000	100	10%	.21	.12	4000	.043
40X153K50D	GRM216R71H153KA01D	15000	50	10%	.07	.04	4000	.014
40X223K50D	GRM216R71H223KA01D	22000	50	10%	.09	.05	4000	.019
40X333K50D	GRM219R71H333KA01D	33000	50	10%	.11	.06	4000	.022
40X473K25L	GRM219R71E473KA01L	47000	25	10%	.11	.06	4000	.022
40X473K50L	GRM21BR71H473KA01L	47000	50	10%	.15	.09	4000	.030
40X683K50L	GRM21BR71H683KA01L	68000	50	10%	.20	.12	4000	.041
40X104K16D	GRM219R71C104KA01D	0.1µF	16	10%	.08	.05	4000	.017
40X104K25L	GRM21BR71E104KA01L	0.1µF	25	10%	.13	.08	4000	.027
40X104K50L	GRM21BR71H104KA01L	0.1µF	50	10%	.13	.08	4000	.027
40X154K16L	GRM21BR71C154KA01L	0.15µF	16	10%	.23	.14	4000	.046
40X224K16D	GRM219R71C224KA01D	0.22µF	16	10%	.26	.16	4000	.053
4219R71E224KA01	GRM219R71E224KA01L	0.22µF	25	10%	.20	.12	4000	.040
40X7R224K050AL	GRM21BR71H224KA01L	0.22µF	50	10%	.27	.16	4000	.054
40X334K16L	GRM21BR71C334KA01L	0.33µF	16	10%	.23	.14	4000	.047
40X474K16L	GRM219R71C474KC01L	0.47µF	16	10%	.36	.21	4000	.073
40X474K25L	GRM21BR71E474KC01L	0.47µF	25	10%	.38	.22	4000	.077
40X684K16L	GRM219R71C684KC01L	0.68µF	16	10%	.25	.14	4000	.050
ature Coeff: Y5V								
40Y104Z25D	GRM216F51E104ZA01D	0.1µF	25	+80,-20	.06	.03	4000	.012
40Y104Z50D	GRM219F51H104ZA01D	0.1µF	50	+80,-20	.07	.04	4000	.015
40Y224Z25D	GRM219F51E224ZA01D	0.22µF	25	+80,-20	.14	.09	4000	.029

Dimensions mm



Part No.	L	W	T (max)	e	g min.
GRM188	1.6 ±0.1	0.8 ±0.1	0.8 ±0.1	0.2 to 0.5	0.5
GRM216	2.0 ±0.1	1.25 ±0.1	0.6 ±0.1	0.2 to 0.7	0.7
GRM219			0.85 ±0.1		
GRM21B			1.25 ±0.1		
GRM316	3.2 ±0.15	1.6 ±0.15	0.6 ±0.1	0.3 to 0.8	1.5
GRM319			0.85 ±0.1		
GRM31M					
GRM32M	3.2 ±0.3	2.5 ±0.2	1.15 ±0.1	0.3	1.0
GRM32N	3.2 ±0.2	2.5 ±0.2	1.35 ±0.15	0.3	1.0
GRM43R	4.5 ±0.4	3.2 ±0.3	1.8 ±0.2	0.3	2.0
GRM55N	5.7 ±0.4	5 ±0.4	1.35 ±0.15	0.3	2.0
GRM55R	5.7 ±0.4	5 ±0.4	1.8 ±0.2	0.3	2.0

Style 0805 (cont.) Please call a Mouser representative for information of product not listed

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Temperature Coeff: Y5V (cont.)								
81-GRM40Y474Z16L	GRM21BF51C474ZA01L	0.47µF	16	+80,-20	.21	.12	4000	.043
81-GRM40Y5Y474Z025AL	GRM21BF51E474ZA01L	0.47µF	25	+80,-20	.19	.11	4000	.038
Temperature Coeff:								
81-GRM40Z103M50L	GRM216E41H103MA01L	10000	50	20%	.11	.07	4000	.023
81-GRM40Z473M50D	GRM216E41H473MA01D	47000	50	20%	.08	.05	4000	.017
81-GRM40Z104M50D	GRM219E41H104MA01D	0.1µF	50	20%	.09	.05	4000	.018

Style 1206 For quantities greater than listed, call for quote.

Temperature Coeff: C0G								
81-GRM426C4R7C50L	GRM3165C1H4R7CD01L	4.7pF	50	0.25pF	.25	.15	4000	.046
81-GRM426C180J050D	GRM3165C1H180JZ01D	18pF	50	5%	.22	.13	4000	.040
81-GRM315C1H470JZ01D	GRM3165C1H470JZ01D	47pF	50	5%	.25	.15	4000	.045
81-GRM426C101J050D	GRM3165C1H101JZ01D	100pF	50	5%	.27	.16	4000	.049
81-GRM426C221J050D	GRM3165C1H221JZ01D	220pF	50	5%	.38	.23	4000	.069
81-GRM426C331J50D	GRM3165C1H331JZ01D	330pF	50	5%	.46	.27	4000	.083
81-GRM426C681J050D	GRM3165C1H681JZ01D	680pF	50	5%	.48	.28	4000	.087
81-GRM426C102J050L	GRM3195C1H102JD01L	1000pF	50	5%	.72	.42	4000	.129
Temperature Coeff: X7R								
81-GRM319R71H102KA01	GRM319R71H102KA01D	1000	50	10%	.14	.08	4000	.025
81-GRM319R71H103KA01	GRM319R71H103KA01D	.01µF	50	10%	.14	.09	4000	.026
81-GRM426X223K50D	GRM319R71H223KA01D	.022µF	50	10%	.42	.24	4000	.075
81-GRM426X473K50D	GRM319R71H473KA01D	.047µF	50	10%	.48	.28	4000	.086
81-GRM426X104K50L	GRM319R71H104KA01L	.1µF	50	10%	.18	.10	4000	.032
81-GRM31MR71H154KA01	GRM31MR71H154KA01L	.15µF	50	10%	.30	.18	4000	.054
81-GRM426X224K25L	GRM31MR71E224KA01L	.22µF	25	10%	.25	.14	4000	.044
81-GRM319R71H224KA	GRM319R71H224KA01D	.22µF	50	10%	.31	.18	4000	.056
81-GRM319R71C334KA01	GRM319R71C334KA01L	.33µF	16	10%	.30	.17	4000	.053
81-GRM426X334K025D	GRM319R71E334KA01D	.33µF	25	10%	.43	.25	4000	.077
81-GRM426X334K50D	GRM319R71H334KA01D	.33µF	50	10%	.43	.25	4000	.077
81-GRM426X474K16D	GRM319R71C474KC01D	.47µF	16	10%	.57	.33	4000	.102
81-GRM426X474K25L	GRM319R71E474KC01L	.47µF	25	10%	.51	.30	4000	.092
81-GRM426X474K50L	GRM31MR71H474KA01L	.47µF	50	10%	.61	.36	4000	.111
Temperature Coeff: Y5V								
81-GRM426Y334Z50D	GRM319F51H334ZA01D	.33µF	50	+80,-20	.22	.13	4000	.040
81-GRM426Y474Z50L	GRM31MF51H474ZA01L	.47µF	50	+80,-20	.43	.25	4000	.076
Temperature Coeff: Z5U								
81-GRM319E41H224MA01	GRM319E41H224MA01L	.22µF	50	20%	.26	.15	4000	.047

Style 1210 For quantities greater than listed, call for quote.

Temperature Coeff: X7R								
81-GRM422X104K50L	GRM32MR71H104KA01L	.1µF	50	10%	.22	.19	3000	.100
81-GRM422X104K100L	GRM32NR72A104KA01L	.1µF	100	10%	.30	.23	2000	.130
81-GRM422X224K050L	GRM32NR71H224KA01L	.22µF	50	10%	.40	.30	2000	.170
81-GRM422X334K016L	GRM32NR71C334KD01L	.33µF	16	10%	.75	.56	2000	.330
81-GRM422X474K50L	GRM32MR71H474KA01L	.47µF	50	10%	.28	.24	3000	.120

Style 1812 For quantities greater than listed, call for quote.

Temperature Coeff: X7R								
81-GRM43RR72D104KW51	GRM43RR72D104KW51L	.1µF	200	10%	.55	.48	1000	.280
81-GRM432X224K100L	GRM43RR72A224KA01L	.22µF	100	10%	.62	.54	1000	.310
81-GRM43RR71H334KA	GRM43RR71H334KA01L	.33µF	50	10%	.60	.52	1000	.300
81-GRM432X474K50	GRM43RR71H474KA01L	.47µF	50	10%	.70	.61	1000	.350

Style 2220 For quantities greater than listed, call for quote.

Temperature Coeff: Z5U								
81-GRM55N5C1H163JD01	GRM55N5C1H163JD01L	.016µF	50	5%	9.80	4.90	1000	1.19
81-GRM55R5C1H203JD01	GRM55R5C1H203JD01L	.02µF	50	5%	12.22	6.11	1000	1.48
81-GRM55R5C1H243JD01	GRM55R5C1H243JD01L	.024µF	50	5%	14.28	7.14	1000	1.73
81-GRM55R5C1H303JD01	GRM55R5C1H303JD01L	.03µF	50	5%	15.78	7.89	1000	1.92
81-GRM55R5C1H363JD01	GRM55R5C1H363JD01L	.036µF	50	5%	17.36	8.68	1000	2.11
81-GRM555C1H433JD01L	GRM55R5C1H433JD01L	.043µF	50	5%	12.76	8.93	1000	2.17

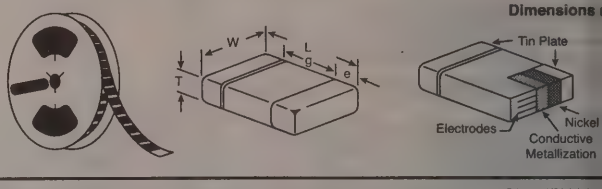
MURATA SMD High Voltage and Safety Rated Lead Free

GRM, GR4, AND GA3 SERIES MULTILAYER CERAMIC CHIP CAPACITORS

Features:

- Lead Free
- 250 V - 3.15kV
- Meets special Hi-Voltage needs
- Base metal and lead-free technology
- GA3 is safety Rated (Y2/Y3)
- Operating Temperature: -55°C to +125°C
- Temperature Coefficient: X7R

LEAD-FREE



Dimensions

Part No.	L	W	T (max)	e	g mi
GRM31B	3.2 ±0.2	1.6 ±0.2	1.25 +0,-0.3		
GRM31C	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2		
GRM32Q	3.2 ±0.3	2.5 ±0.2	1.5 +0,-0.3		1.2
GRM32D	3.2 ±0.3	2.5 ±0.2	2.0 +0,-0.3		
GRM43D	4.5 ±0.4	3.2 ±0.3	2.0 +0,-0.3		2.2
GRM55D	5.7 ±0.4	5.0 ±0.4	2.0 +0,-0.3		2.5
GR431B	3.2 ±0.2	1.6 ±0.2	1.25 +0,-0.3		1.2
GR442Q	4.5 ±0.3	2.0 ±0.2	1.5 +0,-0.3	0.3 min.	2.5
GR443D	4.5 ±0.4	3.2 ±0.3	2.0 +0,-0.3		2.5
GR443Q	4.5 ±0.4	3.2 ±0.3	1.5 +0,-0.3		2.5
GA342Q	4.5 ±0.3	2.0 ±0.2	1.5 +0, -0.3		2.5
GA343Q	4.5 ±0.4	3.2 ±0.3	1.5 +0,-0.3		2.5
GA352Q	5.7 ±0.4	2.8 ±0.3	1.5 +0,-0.3		4.0
GA355D	5.7 ±0.4	5.0 ±0.4	1.5 +0,-0.3		4.0

Application Selection Guide				
Series		GRM	GR4	GA3
Modem	DAA Modem	•		•
	xDSL Modem	•		•
Network	Set Top Box	•	•	•
	LAN, Router, HUB, Switch, etc.	•	•	
Flat Panel Display	LCD Back Light Inverter	•		
	PDP Panel	•		
Power Supply	Switching Power Supply, AC Adapter	•	•	•
	DC/DC Converter	•	•	
	Battery Charger for Cellphone	•		•
Lighting	Electric Ballast for Flourescent Lamp	•		•
	Electric Ballast for CFL	•		•

GRM Series High Voltage SMD Ceramic Capacitors

For quantities of 1000 and up, call for

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Vdc (V)	Tolerance ±	Price Each 1	50	100	500	Reel Qty.	Price p Piece
Style 1206										
81-GRM31BR73A102KW01	GRM31BR73A102KW01L	0.001	1kV	10%	.30	.25	.23	.20	3000	.11
81-GRM31BR72J472KW01	GRM31BR72J472KW01L	0.0047	630	10%	.29	.24	.21	.19	3000	.11
81-GRM31BR73A472KW01	GRM31BR73A472KW01L	0.0047	1kV	10%	.32	.27	.24	.21	3000	.12
81-GRM31BR72J103KW01	GRM31BR72J103KW01L	0.01	630	10%	.27	.22	.20	.18	3000	.10
81-GRM31CR72J153KW03	GRM31CR72J153KW03L	0.015	630	10%	.29	.24	.21	.19	4000	.09
81-GRM31CR72E104KW03	GRM31CR72E104KW03L	0.1	250	10%	.30	.25	.23	.20	2000	.11
Style 1210										
81-GRM32QR73A682KW01	GRM32QR73A682KW01L	0.0068	1kV	10%	.66	.55	.50	.44	1000	.33
81-GRM32QR73A103KW01	GRM32QR73A103KW01L	0.01	1kV	10%	.62	.52	.46	.41	2000	.23
81-GRM32DR73A223KW01	GRM32DR73A223KW01L	0.022	1kV	10%	.81	.67	.61	.54	1000	.40
81-GRM32DR72E104KW01	GRM32DR72E104KW01L	0.1	250	10%	.42	.35	.31	.28	1000	.21
81-GRM32DR72E224KW01	GRM32DR72E224KW01L	0.22	250	10%	.43	.36	.33	.29	1000	.22
Style 1812										
81-GRM43DR73A333KW01	GRM43DR73A333KW01L	0.033	1kV	10%	1.29	1.08	.97	.86	1000	.65
81-GRM43DR73A473KW01	GRM43DR73A473KW01L	0.047	1kV	10%	1.36	1.13	1.02	.90	1000	.68
81-GRM43DR72E334KW01	GRM43DR72E334KW01L	0.33	250	10%	.63	.59	.47	.40	1000	.32
81-GRM43DR72E474KW01	GRM43DR72E474KW01L	0.47	250	10%	1.14	.95	.86	.76	1000	.57
Style 2220										
81-GRM55DR73A104KW01	GRM55DR73A104KW01L	0.1	1kV	10%	3.16	2.64	2.37	2.11	1000	1.58

GR4 Series High Voltage SMD Ceramic Capacitors

- Isolation Lan Ethernet and DC/DC only
- Satisfies IEEE 802.3 requirements

For quantities of 1000 and up, call for

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Vdc (V)	Tolerance ±	Price Each 1	50	100	500	Reel Qty.	Price p Piece
Style 1206										
81-GR431BR7LA102KW01	GR431BR7LA102KW01L	1000	2kV	10%	.34	.29	.26	.23	2000	.13
Style 1808										
81-GR442QR73D101KW01	GR442QR73D101KW01L	100	2kV	10%	.72	.60	.54	.48	1000	.36
81-GR442QR7LB101KW01	GR442QR7LB101KW01L	100	3kV	10%	.72	.60	.54	.48	2000	.27
81-GR442QR73D152KW01	GR442QR73D152KW01L	1500	2kV	10%	.72	.60	.54	.48	1000	.36
81-GR442QR7LB152KW01	GR442QR7LB152KW01L	1500	3kV	10%	.72	.60	.54	.48	2000	.27
Style 1812										
81-GR443QR73D222KW01	GR443QR73D222KW01L	2200	2kV	10%	1.02	.85	.76	.68	1000	.51
81-GR443QR7LB222KW01	GR443QR7LB222KW01L	2200	3kV	10%	1.02	.85	.76	.68	1000	.51
81-GR443DR73D472KW01	GR443DR73D472KW01L	4700	2kV	10%	.94	.78	.71	.63	1000	.47

GA3 Series Safety Rated SMD Ceramic Capacitors

For quantities of 1000 and up, call for

MOUSER STOCK NO.	Murata Part No.	Value (pF)	VAC (V)	Tol. %	Safety Recognized	Price Each 1	50	100	500	Reel Qty.	Price p Piece
Style 1808											
81-GA342QR7GD101KW01	GA342QR7GD101KW01L	100	250	10%	Y3	.72	.60	.54	.48	2000	.27
81-GA342QR7GD152KW01	GA342QR7GD152KW01L	1500	250	10%	Y3	.67	.55	.50	.44	2000	.25
Style 1812											
81-GA343QR7GD182KW01	GA343QR7GD182KW01L	1800	250	10%	Y3	.98	.82	.73	.65	2000	.37
Style 2211											
81-GA352QR7GF471KW01	GA352QR7GF471KW01L	470	250	10%	Y2	1.25	1.04	.94	.83	1000	.62
81-GA352QR7GF152KW01	GA352QR7GF152KW01L	1500	250	10%	Y2	1.25	1.04	.94	.83	1000	.62
Style 2220											
81-GA355DR7GC221KY02	GA355DR7GC221KY02L	220	250	10%	X1, Y2	1.83	1.60	1.37	1.14	1000	1.03
81-GA355DR7GC102KY02	GA355DR7GC102KY02L	1000	250	10%	X1, Y2	2.05	1.79	1.54	1.28	1000	1.15
81-GA355DR7GC222KY02	GA355DR7GC222KY02L	2200	250	10%	X1, Y2	2.05	1.79	1.54	1.28	1000	1.15
81-GA355DR7GC472KY02	GA355DR7GC472KY02L	4700	250	10%	X1, Y2	2.16	1.89	1.62	1.35	1000	1.22
81-GA355DR7GF472KW01	GA355DR7GF472KW01L	4700	250	10%	Y2	1.42	1.25	1.07	.89	1000	.80

MURATA High Frequency Ceramic Chip Capacitors

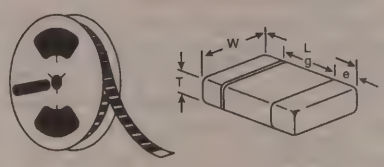
GJM SERIES MULTILAYER, HIGH FREQUENCY, HIGH Q, LEAD FREE

SERIES: The Murata GJM series is a high Q ultra small capacitor series for high frequency ations in the 500MHz to 10GHz range, suitable for VCO and PA Module applications. JM series of capacitors are made with copper electrodes for low ESR and low power mption due to the high Q (low loss) performance. This series is offered in EIA sizes nd 0402. They are RoHS compliant.

es:
Dielectric • Low ESR • Operating Temperature: -55°C to +125°C

LEAD-FREE

Dimensions mm



No.	L	W	T	e	g min.
03	0.6 ±0.03	0.3 ±0.03	0.3 ±0.03	0.1 to 0.2	0.2
15	1.0 ±0.05	0.5 ±0.05	0.5 ±0.05	0.15 to 0.3	0.4

Application Specific Guidelines			
Product Series		GQM	GJM
munication	Base Station	X	
	Bluetooth Modules		X
	PC Modules	X	
	Cell Phones	X	X
less	Wireless Handhelds	X	X
	Remote Keyless Entry	X	X
	Wireless LAN	X	X

Cross Reference						
	GQM			GJM		
Case Sizes	0603	0805	1210	0201	0402	0603
ATC 650	X	X			X	X
Johanson "S"	X			X	X	X
Johanson "L"	X	X	X		X	X

Series

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (pF)	Volt (DC)	Tolerance ±	Price Each 1	50	100	500	Reel Qty.	Price per Piece
GJM0335C1ER20BB01	GJM0335C1ER20BB01D	0201	0.2	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1ER40BB01	GJM0335C1ER40BB01D	0201	0.4	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E1R0BB01	GJM0335C1E1R0BB01D	0201	1.0	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E1R1BB01	GJM0335C1E1R1BB01D	0201	1.1	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E1R2BB01	GJM0335C1E1R2BB01D	0201	1.2	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E1R3BB01	GJM0335C1E1R3BB01D	0201	1.3	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E1R5BB01	GJM0335C1E1R5BB01D	0201	1.5	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E2R0BB01	GJM0335C1E2R0BB01D	0201	2.0	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E2R2BB01	GJM0335C1E2R2BB01D	0201	2.2	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E2R7BB01	GJM0335C1E2R7BB01D	0201	2.7	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E3R0BB01	GJM0335C1E3R0BB01D	0201	3.0	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E3R3BB01	GJM0335C1E3R3BB01D	0201	3.3	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E3R9BB01	GJM0335C1E3R9BB01D	0201	3.9	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E4R3BB01	GJM0335C1E4R3BB01D	0201	4.3	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E4R7BB01	GJM0335C1E4R7BB01D	0201	4.7	25	0.1pF	.14	.12	.11	.10	15000	.041
GJM0335C1E5R1CB01	GJM0335C1E5R1CB01D	0201	5.1	25	0.25pF	.09	.07	.06	.05	15000	.021
GJM0335C1E5R6CB01	GJM0335C1E5R6CB01D	0201	5.6	25	0.25pF	.09	.07	.06	.05	15000	.021
GJM0335C1E6R2CB01	GJM0335C1E6R2CB01D	0201	6.2	25	0.25pF	.09	.07	.06	.05	15000	.021
GJM0335C1E6R8CB01	GJM0335C1E6R8CB01D	0201	6.8	25	0.25pF	.09	.07	.06	.05	15000	.021
GJM1555C1HR10BB01	GJM1555C1HR10BB01D	0402	0.1	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1HR40BB01	GJM1555C1HR40BB01D	0402	0.4	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1HR75CB01	GJM1555C1HR75CB01D	0402	0.8	50	0.25pF	.18	.15	.13	.12	10000	.05
GJM1555C1H1R0BB01	GJM1555C1H1R0BB01D	0402	1.0	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H1R1BB01	GJM1555C1H1R1BB01D	0402	1.1	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H1R2BB01	GJM1555C1H1R2BB01D	0402	1.2	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H1R3BB01	GJM1555C1H1R3BB01D	0402	1.3	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H1R5CB01	GJM1555C1H1R5CB01D	0402	1.5	50	0.25pF	.18	.15	.13	.12	10000	.05
GJM1555C1H2R0BB01	GJM1555C1H2R0BB01D	0402	2.0	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H2R2BB01	GJM1555C1H2R2BB01D	0402	2.2	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H2R4BB01	GJM1555C1H2R4BB01D	0402	2.4	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H2R7BB01	GJM1555C1H2R7BB01D	0402	2.7	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H3R0BB01	GJM1555C1H3R0BB01D	0402	3.0	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H3R3BB01	GJM1555C1H3R3BB01D	0402	3.3	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H3R6BB01	GJM1555C1H3R6BB01D	0402	3.6	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H3R9BB01	GJM1555C1H3R9BB01D	0402	3.9	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H4R3BB01	GJM1555C1H4R3BB01D	0402	4.3	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H4R7BB01	GJM1555C1H4R7BB01D	0402	4.7	50	0.1pF	.18	.15	.13	.12	10000	.05
GJM1555C1H5R1CB01	GJM1555C1H5R1CB01D	0402	5.1	50	0.25pF	.09	.074	.065	.059	10000	.029
GJM1555C1H5R6CB01	GJM1555C1H5R6CB01D	0402	5.6	50	0.25pF	.09	.074	.065	.059	10000	.029
GJM1555C1H6R2CB01	GJM1555C1H6R2CB01D	0402	6.2	50	0.25pF	.09	.074	.065	.059	10000	.029
GJM1555C1H6R8CB01	GJM1555C1H6R8CB01D	0402	6.8	50	0.25pF	.09	.074	.065	.059	10000	.029
GJM1555C1H7R5CB01	GJM1555C1H7R5CB01D	0402	7.5	50	0.25pF	.09	.074	.065	.059	10000	.029
GJM1555C1H8R2CB01	GJM1555C1H8R2CB01D	0402	8.2	50	0.25pF	.09	.074	.065	.059	10000	.029
GJM1555C1H9R0CB01	GJM1555C1H9R0CB01D	0402	9.0	50	0.25pF	.09	.074	.065	.059	10000	.029
GJM1555C1H9R1CB01	GJM1555C1H9R1CB01D	0402	9.1	50	0.25pF	.09	.074	.065	.059	10000	.029
GJM1555C1H100GB01	GJM1555C1H100GB01D	0402	10	50	2%	.16	.13	.11	.10	10000	.043
GJM1555C1H120GB01	GJM1555C1H120GB01D	0402	12	50	2%	.16	.13	.11	.10	10000	.043
GJM1555C1H150GB01	GJM1555C1H150GB01D	0402	15	50	2%	.16	.13	.11	.10	10000	.043
GJM1555C1H180GB01	GJM1555C1H180GB01D	0402	18	50	2%	.16	.13	.11	.10	10000	.043
GJM1555C1H200GB01	GJM1555C1H200GB01D	0402	20	50	2%	.16	.13	.11	.10	10000	.043

MURATA High Frequency Ceramic Chip Capacitors

muRata
Innovator in Electro

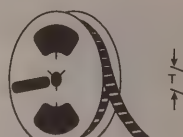
ERB SERIES MULTILAYER, HIGH FREQUENCY, HIGH Q, LEAD FREE

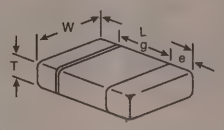
ERB SERIES: Murata high Q capacitors come with higher Q and lower ESR - better than standard products of equivalent packages. They offer low ESR in the 1 MHz to 1 GHz frequency range. The ERB series of capacitors are designed with precious metal inner electrodes. These surface mount capacitors are available in voltages up to 500V. They are RoHS compliant.

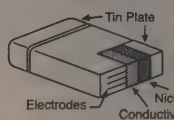
- C0G Dielectric
- Low ESR
- Operating Temperature: -55°C to +125°C

Part No.	L	W	T	e	g min.
ERB188	1.6 ±0.1	0.8 ±0.1	0.8 ±0.1	0.2 to 0.5	0.4
ERB21B	2.0 0.2	1.25 0.2	1.25 0.2	0.3 min	0.7
ERB32Q	3.2 0.3	2.5 0.2	1.5 +0,-0.3	0.3 min	1.2

Dimensions m







Industry	Application
Communication Equipment	Base Station
	Bluetooth Modules
	PC Modules
	Cell Phones
Wireless	Wireless Handhelds
	Remote Keyless Entry
Security	Wireless LAN

Pb LEAD-FREE

Cross Reference			
Case Sizes	0603	0805	1210
ATC 600	X	X	
ATC 650		X	X
Johanson "C"	X	X	X

ERB Series

Please call a Mouser representative for information of product not li

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (pF)	Volt (DC)	Tolerance ±	Price Each 1	Price Each 50	Price Each 100	Price Each 500	Reel Qty.	Price per Piece
81-ERB188C2D1R5BDX1D	ERB1885C2D1R5BDX1D	0603	1.5	200	±.1pF	.14	.13	.12	.10	4000	.05
81-ERB1885C2D1R8BDX1	ERB1885C2D1R8BDX1D	0603	1.8	200	±.1pF	.16	.15	.14	.12	4000	.06
81-ERB1885C2D2R0CDX1	ERB1885C2D2R0CDX1D	0603	2.0	200	±.25pF	.14	.13	.12	.10	4000	.05
81-ERB1885C2D2R2BDX1	ERB1885C2D2R2BDX1D	0603	2.2	200	±.1pF	.16	.15	.14	.12	4000	.06
81-ERB1885C2D3R9BDX1	ERB1885C2D3R9BDX1D	0603	3.9	200	±.1pF	.17	.16	.15	.13	4000	.07
81-ERB188C2D4R3CDX1D	ERB1885C2D4R3CDX1D	0603	4.3	200	±.25pF	.10	.08	.06	.05	4000	.04
81-ERB188C2D4R7BDX1D	ERB1885C2D4R7BDX1D	0603	4.7	200	±.1pF	.20	.19	.18	.16	4000	.08
81-ERB188C2D5R1CDX1D	ERB1885C2D5R1CDX1D	0603	5.1	200	±.25pF	.15	.13	.09	.08	4000	.06
81-ERB188C2D5R6CDX1D	ERB1885C2D5R6CDX1D	0603	5.6	200	±.25pF	.12	.10	.07	.06	4000	.05
81-ERB188C2D6R2CDX1D	ERB1885C2D6R2CDX1D	0603	6.2	200	±.25pF	.12	.10	.07	.06	4000	.05
81-ERB1885C2D6R8CDX1	ERB1885C2D6R8CDX1D	0603	6.8	200	±.25pF	.14	.13	.12	.11	4000	.08
81-ERB21B5C2D1R0CDX1	ERB21B5C2D1R0CDX1L	0805	1.0	200	±.25pF	.28	.24	.21	.17	3000	.16
81-ERB21B5C2D1R2CL	ERB21B5C2D1R2CDX1L	0805	1.2	200	±.25pF	.24	.21	.18	.15	3000	.13
81-ERB21B5C2D1R6CL	ERB21B5C2D1R6CDX1L	0805	1.6	200	±.25pF	.24	.21	.18	.15	3000	.13
81-ERB21B5C2D1R8CL	ERB21B5C2D1R8CDX1L	0805	1.8	200	±.25pF	.24	.21	.18	.15	3000	.13
81-ERB21B5C2D2R0CL	ERB21B5C2D2R0CDX1L	0805	2.0	200	±.25pF	.24	.21	.18	.15	3000	.13
81-ERB21B5C2D2R2CDX1	ERB21B5C2D2R2CDX1L	0805	2.2	200	±.25pF	.24	.21	.18	.15	3000	.13
81-ERB21BC2D2R7CDX1L	ERB21B5C2D2R7CDX1L	0805	2.7	200	±.25pF	.27	.22	.16	.14	3000	.12
81-ERB21B5C2D3R0CDXL	ERB21B5C2D3R0CDX1L	0805	3.0	200	±.25pF	.21	.19	.17	.15	3000	.13
81-ERB21BC2D3R3CDX1L	ERB21B5C2D3R3CDX1L	0805	3.3	200	±.25pF	.33	.32	.30	.26	3000	.15
81-ERB21B5C2D3R6CL	ERB21B5C2D3R6CDX1L	0805	3.6	200	±.25pF	.33	.32	.30	.26	3000	.15
81-ERB21BC2D3R9CDX1L	ERB21B5C2D3R9CDX1L	0805	3.9	200	±.25pF	.36	.34	.32	.27	3000	.16
81-ERB21BC2D5R1CDX1L	ERB21B5C2D5R1CDX1L	0805	5.1	200	±.25pF	.31	.30	.28	.24	3000	.14
81-ERB21BC2D5R6DDX1L	ERB21B5C2D5R6DDX1L	0805	5.6	200	±.5pF	.33	.32	.30	.26	3000	.15
81-ERB21BC2D6R2DDX1L	ERB21B5C2D6R2DDX1L	0805	6.2	200	±.5pF	.33	.32	.30	.26	3000	.15
81-ERB21BC2D8R2DDX1L	ERB21B5C2D8R2DDX1L	0805	8.2	200	±.5pF	.37	.35	.34	.29	3000	.17
81-ERB21BC2D100JDX1L	ERB21B5C2D100JDX1L	0805	10	200	±5%	.19	.18	.17	.15	3000	.09
81-ERB21B5C2D120JDX1	ERB21B5C2D120JDX1L	0805	12	200	±5%	.35	.33	.32	.27	3000	.16
81-ERB21BC2D150JDX1L	ERB21B5C2D150JDX1L	0805	15	200	±5%	.33	.32	.30	.26	3000	.15
81-ERB21BC2D180JDX1L	ERB21B5C2D180JDX1L	0805	18	200	±5%	.36	.34	.32	.27	3000	.16
81-ERB21BC2D220JDX1L	ERB21B5C2D220JDX1L	0805	22	200	±5%	.38	.36	.34	.29	3000	.17
81-ERB21B5C2D330JDX1	ERB21B5C2D330JDX1L	0805	33	200	±5%	.33	.32	.30	.26	3000	.15
81-ERB21BC2D390JDX1L	ERB21B5C2D390JDX1L	0805	39	200	±5%	.36	.34	.32	.27	3000	.16
81-ERB21BC2D430JDX1L	ERB21B5C2D430JDX1L	0805	43	200	±5%	.28	.23	.16	.14	3000	.12
81-ERB21BC2D470JDX1L	ERB21B5C2D470JDX1L	0805	47	200	±5%	.29	.24	.17	.15	3000	.13
81-ERB21BC2D510JDX1L	ERB21B5C2D510JDX1L	0805	51	200	±5%	.31	.25	.18	.16	3000	.13
81-ERB21B5C2D560JDX1	ERB21B5C2D560JDX1L	0805	56	200	±5%	.41	.37	.34	.31	3000	.25
81-ERB21BC2D620JDX1L	ERB21B5C2D620JDX1L	0805	62	200	±5%	.41	.37	.34	.31	3000	.25
81-ERB21B5C2D680JDX1	ERB21B5C2D680JDX1L	0805	68	200	±5%	.41	.37	.34	.31	3000	.25
81-ERB21BC2D750JDX1L	ERB21B5C2D750JDX1L	0805	75	200	±5%	.41	.37	.34	.31	3000	.25
81-ERB21BC2D820JDX1L	ERB21B5C2D820JDX1L	0805	82	200	±5%	.41	.37	.34	.31	3000	.25
81-ERB21BC2D910JDX1L	ERB21B5C2D910JDX1L	0805	91	200	±5%	.41	.33	.24	.21	3000	.18
81-ERB21B5C2D101JDXL	ERB21B5C2D101JDX1L	0805	100	200	±5%	1.52	1.01	.71	.41	3000	.21
81-ERB21B5C2A121JDX1	ERB21B5C2A121JDX1L	0805	120	100	±5%	.52	.47	.43	.39	3000	.32
81-ERB21B5C2A131JL	ERB21B5C2A131JDX1L	0805	130	100	±5%	.52	.47	.43	.39	3000	.34
81-ERB21B5C2A141JL	ERB21B5C2A141JDX1L	0805	140	100	±5%	.52	.47	.43	.39	3000	.34
81-ERB21BC1H151JDX1L	ERB21B5C1H151JDX1L	0805	150	50	±5%	.48	.39	.27	.24	3000	.20
81-ERB32QC2H3R3CDX1L	ERB32Q5C2H3R3CDX1L	1210	3.3	500	±5%	.63	.57	.52	.47	2000	.39
81-ERB32QC2H4R7CDX1L	ERB32Q5C2H4R7CDX1L	1210	4.7	500	±5%	.63	.57	.52	.47	2000	.39
81-ERB32QC2H5R1CDX1L	ERB32Q5C2H5R1CDX1L	1210	5.1	500	±5%	.63	.57	.52	.47	2000	.39
81-ERB32Q5C2H100JDX1	ERB32Q5C2H100JDX1L	1210	10	500	±5%	.63	.57	.52	.47	2000	.39
81-ERB32QC2H120JDX1L	ERB32Q5C2H120JDX1L	1210	12	500	±5%	.58	.55	.52	.44	2000	.26
81-ERB32Q5C2H150JDX1	ERB32Q5C2H150JDX1L	1210	15	500	±5%	.58	.55	.52	.44	2000	.26
81-ERB32Q5C2H180JDX1	ERB32Q5C2H180JDX1L	1210	18	500	±5%	.58	.55	.52	.44	2000	.26
81-ERB32QC2H220JDX1L	ERB32Q5C2H220JDX1L	1210	22	500	±5%	.67	.64	.61	.52	2000	.30
81-ERB32QC2H360JDX1L	ERB32Q5C2H360JDX1L	1210	36	500	±5%	.58	.55	.52	.44	2000	.26
81-ERB32Q5C2H390JDX1	ERB32Q5C2H390JDX1L	1210	39	500	±5%	.62	.59	.56	.48	2000	.28
81-ERB32Q5C2H470JDXL	ERB32Q5C2H470JDX1L	1210	47	500	±5%	.62	.59	.56	.48	2000	.28
81-ERB32QC2H560JDX1L	ERB32Q5C2H560JDX1L	1210	56	500	±5%	.62	.59	.56	.48	2000	.28
81-ERB32QC2H680JDX1L	ERB32Q5C2H680JDX1L	1210	68	500	±5%	.66	.63	.60	.51	2000	.30
81-ERB32QC2H101JDX1L	ERB32Q5C2H101JDX1L	1210	100	500	±5%	.80	.77	.73	.62	2000	.37
81-ERB32QC2H121JDX1L	ERB32Q5C2H121JDX1L	1210	120	500	±5%	.90	.86	.82	.69	2000	.41
81-ERB32QC2D221JDX1L	ERB32Q5C2D221JDX1L	1210	220	200	±5%	1.07	1.02	.97	.83	2000	.49
81-ERB32Q5C2A471JDX1	ERB32Q5C2A471JDX1L	1210	470	100	±5%	1.39	1.33	1.27	1.08	2000	.63
81-ERB32Q5C1H102JDX1	ERB32Q5C1H102JDX1L	1210	1000	50	±5%	1.49	1.30	1.11	.93	2000	.74

MURATA High Frequency Ceramic Chip Capacitors

GQM SERIES MULTILAYER, HIGH FREQUENCY, HIGH Q, LEAD FREE

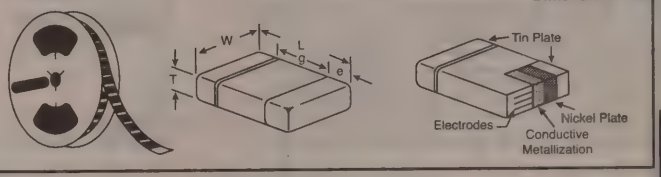
rata high Q capacitors are used from 500MHz to 10GHz for handheld and cellular applications.
capacitors are made with copper electrodes for very low ESR and high Q in GHz frequencies, and high RF current handling capability.
ries is offered in EIA sized 0603, 0805 and 1210, and is available in tight tolerance versions. They are RoHS compliant.

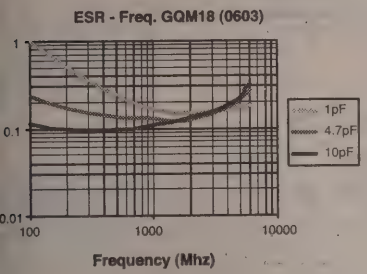
lelectric • Low ESR • Operating Temperature: -55°C to +125°C

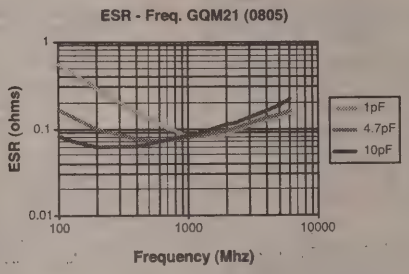
ations:
Station Power Amps • Broadcasting Equipment • Cell Phones • PA Modules

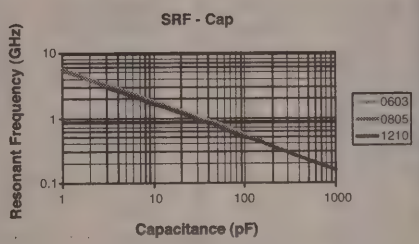
No.	L	W	T	e	g min.
188	1.6±0.1	0.8±0.1	0.8±0.1	0.2 to 0.5	0.5
219	2.0±0.1	1.25±0.1	0.85±0.1	0.2 to 0.7	0.7

Dimensions mm









Series

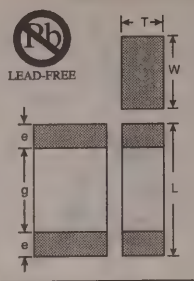
Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (pF)	Volt (DC)	Tolerance ±	Price Each 1	Price Each 50	Price Each 100	Price Each 500	Reel Qty.	Price per Piece
QM1885C2AR10BB01	GQM1885C2AR10BB01D	0603	0.1	100	0.1pF	1.01	.96	.91	.78	4000	.41
QM1885C2AR50BB01	GQM1885C2AR50BB01D	0603	0.5	100	0.1pF	.71	.68	.65	.55	4000	.29
QM1885C2A1R0BB01	GQM1885C2A1R0BB01D	0603	1.0	100	0.1pF	.71	.68	.65	.55	4000	.29
QM1885C2A1R2BB01	GQM1885C2A1R2BB01D	0603	1.2	100	0.1pF	.71	.68	.65	.55	4000	.29
QM1885C2A1R5BB01	GQM1885C2A1R5BB01D	0603	1.5	100	0.1pF	.71	.68	.65	.55	4000	.29
QM1885C2A1R8BB01	GQM1885C2A1R8BB01D	0603	1.8	100	0.1pF	.71	.68	.65	.55	4000	.29
QM1885C2A2R2BB01	GQM1885C2A2R2BB01D	0603	2.2	100	0.1pF	.71	.68	.65	.55	4000	.29
QM1885C2A2R7BB01	GQM1885C2A2R7BB01D	0603	2.7	100	0.1pF	.71	.68	.65	.55	4000	.29
QM1885C2A3R3BB01	GQM1885C2A3R3BB01D	0603	3.3	100	0.1pF	.71	.68	.65	.55	4000	.29
QM1885C2A3R9BB01	GQM1885C2A3R9BB01D	0603	3.9	100	0.1pF	.71	.68	.65	.55	4000	.29
QM1885C2A4R7BB01	GQM1885C2A4R7BB01D	0603	4.7	100	0.1pF	.71	.68	.65	.55	4000	.29
QM1885C2A5R1CB01	GQM1885C2A5R1CB01D	0603	5.1	100	0.25pF	.55	.53	.50	.43	4000	.23
QM1885C2A6R8CB01	GQM1885C2A6R8CB01D	0603	6.8	100	0.25pF	.60	.57	.54	.46	4000	.24
QM1885C1H7R5CB01	GQM1885C1H7R5CB01D	0603	7.5	50	0.25pF	.65	.62	.60	.51	4000	.27
QM1885C1H8R2CB01	GQM1885C1H8R2CB01D	0603	8.2	50	0.25pF	.65	.62	.60	.51	4000	.27
QM1885C1H100GB01	GQM1885C1H100GB01D	0603	10	50	2%	.85	.81	.77	.66	4000	.35
QM1885C1H120GB01	GQM1885C1H120GB01D	0603	12	50	2%	1.21	1.15	1.10	.93	4000	.49
QM1885C1H150GB01	GQM1885C1H150GB01D	0603	15	50	2%	1.21	1.15	1.10	.93	4000	.49
QM1885C1H220GB01	GQM1885C1H220GB01D	0603	22	50	2%	1.21	1.15	1.10	.93	4000	.49
QM1885C1H270GB01	GQM1885C1H270GB01D	0603	27	50	2%	1.31	1.25	1.19	1.01	4000	.53
QM1885C1H330GB01	GQM1885C1H330GB01D	0603	33	50	2%	1.31	1.25	1.19	1.01	4000	.53
QM1885C1H390GB01	GQM1885C1H390GB01D	0603	39	50	2%	1.31	1.25	1.19	1.01	4000	.53
QM1885C1H470GB01	GQM1885C1H470GB01D	0603	47	50	2%	1.31	1.25	1.19	1.01	4000	.53
QM1885C1H560GB01	GQM1885C1H560GB01D	0603	56	50	2%	1.31	1.25	1.19	1.01	4000	.53
QM1885C1H680GB01	GQM1885C1H680GB01D	0603	68	50	2%	1.31	1.25	1.19	1.01	4000	.53
QM1885C1H820GB01	GQM1885C1H820GB01D	0603	82	50	2%	1.31	1.25	1.19	1.01	4000	.53
QM1885C1H101GB01	GQM1885C1H101GB01D	0603	100	50	2%	1.31	1.25	1.19	1.01	4000	.53
QM2195C2AR20BB01	GQM2195C2AR20BB01D	0805	0.2	100	0.1pF	1.31	1.25	1.19	1.01	4000	.53
QM2195C2AR50BB01	GQM2195C2AR50BB01D	0805	0.5	100	0.1pF	.94	.90	.85	.73	4000	.38
QM2195C2A1R0BB01	GQM2195C2A1R0BB01D	0805	1.0	100	0.1pF	.93	.89	.85	.72	4000	.38
QM2195C2A1R2BB01	GQM2195C2A1R2BB01D	0805	1.2	100	0.1pF	.93	.89	.85	.72	4000	.38
QM2195C2A1R5BB01	GQM2195C2A1R5BB01D	0805	1.5	100	0.1pF	.93	.89	.85	.72	4000	.38
QM2195C2A1R8BB01	GQM2195C2A1R8BB01D	0805	1.8	100	0.1pF	.93	.89	.85	.72	4000	.38
QM2195C2A2R2BB01	GQM2195C2A2R2BB01D	0805	2.2	100	0.1pF	.93	.89	.85	.72	4000	.38
QM2195C2A2R7BB01	GQM2195C2A2R7BB01D	0805	2.7	100	0.1pF	.93	.89	.85	.72	4000	.38
QM2195C2A3R3BB01	GQM2195C2A3R3BB01D	0805	3.3	100	0.1pF	.93	.89	.85	.72	4000	.38
QM2195C2A3R9BB01	GQM2195C2A3R9BB01D	0805	3.9	100	0.1pF	.94	.90	.85	.73	4000	.38
QM2195C2A4R7BB01	GQM2195C2A4R7BB01D	0805	4.7	100	0.1pF	.93	.89	.85	.72	4000	.38
QM2195C2A5R1CB01	GQM2195C2A5R1CB01D	0805	5.1	100	0.25pF	.77	.74	.70	.60	4000	.32
QM2195C2A6R8CB01	GQM2195C2A6R8CB01D	0805	6.8	100	0.25pF	.77	.74	.70	.60	4000	.32
QM2195C2A7R5CB01	GQM2195C2A7R5CB01D	0805	7.5	100	0.25pF	.85	.81	.77	.66	4000	.35
QM2195C2A8R2CB01	GQM2195C2A8R2CB01D	0805	8.2	100	0.25pF	.85	.81	.77	.66	4000	.35
QM2195C2A100GB01	GQM2195C2A100GB01D	0805	10	100	2%	1.10	1.05	1.00	.85	4000	.45
QM2195C2A120GB01	GQM2195C2A120GB01D	0805	12	100	2%	1.58	1.51	1.43	1.22	4000	.65
QM2195C2A150GB01	GQM2195C2A150GB01D	0805	15	100	2%	1.59	1.52	1.45	1.23	4000	.65
QM2195C1H220GB01	GQM2195C1H220GB01D	0805	22	50	2%	1.59	1.52	1.45	1.23	4000	.65
QM2195C1H270GB01	GQM2195C1H270GB01D	0805	27	50	2%	1.59	1.52	1.45	1.23	4000	.65
QM2195C1H330GB01	GQM2195C1H330GB01D	0805	33	50	2%	1.58	1.51	1.43	1.22	4000	.65
QM2195C1H390GB01	GQM2195C1H390GB01D	0805	39	50	2%	2.38	2.27	2.16	1.84	4000	.97
QM2195C1H470GB01	GQM2195C1H470GB01D	0805	47	50	2%	2.35	2.24	2.14	1.82	4000	.96
QM2195C1H560GB01	GQM2195C1H560GB01D	0805	56	50	2%	2.54	2.42	2.31	1.96	4000	1.04
QM2195C1H680GB01	GQM2195C1H680GB01D	0805	68	50	2%	2.54	2.42	2.31	1.96	4000	1.04
QM2195C1H820GB01	GQM2195C1H820GB01D	0805	82	50	2%	2.54	2.42	2.31	1.96	4000	1.04
QM2195C1H101GB01	GQM2195C1H101GB01D	0805	100	50	2%	2.54	2.42	2.31	1.96	4000	1.04

MURATA Hi-Cap Multilayer Ceramic Chip Capacitors

Hi-Cap: The Murata Hi-Cap, Tantalum replacement product lineup is available in X7R, X6S, X7S, and X5R with capacitance of 1uF and larger. This line of high volumetric capacitance ceramic chip capacitors is available in 4V, 6.3V, 10V, 16V, 25V, and 50V. This product series (GRM) is offered with a Nickel (Ni) barrier termination plated with Tin (Sn), and is RoHS compliant. Stringent dimensional tolerances allow highly reliable, high-speed automatic chip placement on PCBs.

Why use ceramic chips over Tantalum and Aluminum capacitors? Ceramic chips offer better reliability, performance, no polarity, and allow design engineers to downsize designs with various package options from 0402 X5R 1uF to 1210 X5R and X6S 100uF. This line of high volumetric multilayer capacitance ceramic chip capacitors (MLCC) has excellent high frequency noise absorption performance compared to Tantalum and Aluminum caps. For bypass/decoupling applications, MLCC is equivalent to 1/2 to 1/5 the capacitance value of a Tantalum capacitor because impedance (ESR) of MLCC is lower at higher frequencies, above 100kHz. Consider Murata Hi-Cap as your Tantalum capacitor replacement.



Part No.	Dimensions (mm)				
	L	W	T	e Min.	g Min.
GRM155	1.0+0.05	0.5+0.05	0.5±0.05	0.15+0.3	0.4
GRM188	1.6±0.1	0.8±0.1	0.8±0.1	0.2±0.5	0.5
GRM219	2.0±0.1	1.25±0.1	0.85±0.1	0.2±0.7	0.7
GRM21B			1.25±0.1		
GRM319	3.2±0.15	1.6±0.15	0.85±0.1	0.3±0.8	1.5
GRM31M			1.15±0.1		
GRM31C	3.2±0.2	1.6±0.2	1.6±0.2		
GRM32C	3.2±0.3	2.5±0.2	1.6±0.2	0.3	1.0
GRM32D			2.0±0.2		
GRM32E			2.5±0.2		
GRM32M	3.2±0.3	2.5±0.2	1.5±0.1	0.3	1.0
GRM32N			1.35±0.15		
GRM32R			1.8±0.2		
GRM43E	4.5±0.4	3.2±0.3	2.5±0.2	0.3	2.0
GRM43S			2.8±0.2		
GRM55E	5.7±0.4	5.0±0.4	2.5±0.2	0.3	2.0
GRM55R			1.8±0.2		

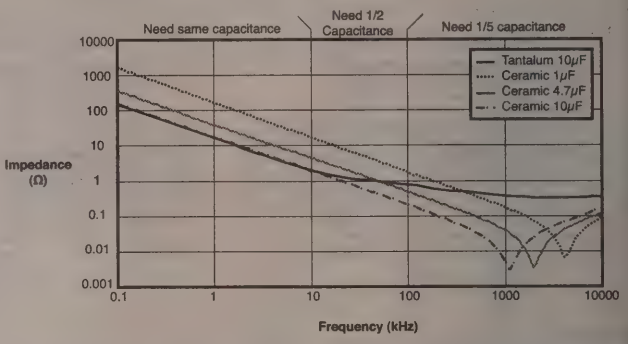
Recommended Capacitance of MLCC for Tantalum Cap. Replacement

Depending on the operating frequency, MLCC is equivalent to 1/2 to 1/10 Capacitance value of Tantalum Cap. Because impedance (ESR) of MLCC is lower than Tantalum Cap. Refer to the impedance curve graph below.

Tantalum Cap.	MLCC Recommended C
1μF	0.1 to 0.47μF
2.2μF	0.22 to 1μF
4.7μF	0.47 to 2.2μF
10μF	1 to 4.7μF
22μF	2.2 to 10μF
47μF	4.7 to 22μF
100μF	10 to 47μF
220μF	22 to 100μF

Impedance Curve of MLCC

It is important that capacitor's impedance is lower at ripple noise frequency.



Style 0402

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Temperature Coeff: X5R								
81-GRM155R60J105KE19	GRM155R60J105KE19D	1	6.3	10%	.21	.12	10000	.031
Temperature Coeff: Y5V								
81-GRM155F50J105ZE01	GRM155F50J105ZE01D	1	6.3	+80,-20	.10	.05	10000	.015

Style 0603

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Temperature Coeff: X5R								
81-GRM39R105K6.3	GRM188R60J105KA01D	1	6.3	10%	.13	.08	4000	.020
81-GRM39R105K10	GRM188R61A105KA61D	1	10	10%	.18	.11	4000	.028
81-GRM39R105K16	GRM188R61C105KA93D	1	16	10%	.15	.09	4000	.024
81-GRM188R60J225KE01	GRM188R60J225KE01D	2.2	6.3	10%	.40	.24	4000	.063
81-GRM188R61A225KE34	GRM188R61A225KE34D	2.2	10	10%	.33	.20	4000	.052
81-GRM18R60J475KE19D	GRM188R60J475KE19D	4.7	6.3	10%	.61	.36	4000	.095
81-GRM188R60G106ME47	GRM188R60G106ME47D	10	4	20%	1.22	.73	4000	.200
Temperature Coeff: Y5V								
81-GRM39Y105Z10D	GRM188F51A105ZA01D	1	10	+80,-20	.07	.04	4000	.012
81-GRM188F51C105ZA01	GRM188F51C105ZA01D	1	16	+80,-20	.07	.04	4000	.012
81-GRM188F51A225ZE01	GRM188F51A225ZE01D	2.2	10	+80,-20	.17	.10	4000	.026
81-GRM188F51A475ZE20	GRM188F51A475ZE20D	4.7	10	+80,-20	.18	.11	4000	.029

Style 0805

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Temperature Coeff: X5R								
81-GRM219R61E225K	GRM219R61E225KA12D	2.2	25	10%	.49	.29	4000	.077
81-GRM21BR60J335K	GRM21BR60J335KA11L	3.3	6.3	10%	.59	.35	3000	.092
81-GRM40034R475K6L	GRM21BR60J475KA11L	4.7	6.3	10%	.54	.32	3000	.084
81-GRM21BR61E475KA12	GRM21BR61E475KA12L	4.7	25	10%	.41	.25	3000	.065
81-GRM21R60J106KE19L	GRM21BR60J106KE19L	10	6.3	10%	.69	.41	3000	.108
81-GRM21BR61A106KE19	GRM21BR61A106KE19L	10	10	10%	.69	.41	3000	.108
81-GRM21R60J226ME39L	GRM21BR60J226ME39L	22	6.3	20%	2.04	1.21	3000	.320
Temperature Coeff: X7R								
81-GRM40X105K16L	GRM21BR71C105KA01L	1	16	10%	.25	.15	3000	.039
81-GRM21BR71E105KA99	GRM21BR71E105KA99L	1	25	10%	.22	.13	3000	.035
81-GRM21BR71A225KA01	GRM21BR71A225KA01L	2.2	10	10%	.31	.19	3000	.049
Temperature Coeff: Y5V								
81-GRM40Y105Z16L	GRM21BF51C105ZA01L	1	16	+80,-20	.12	.07	3000	.019
81-GRM40Y5V225Z010AL	GRM21BF51A225ZA01L	2.2	10	+80,-20	.24	.14	3000	.037
81-GRM40Y5V225Z016AL	GRM21BF51C225ZA01L	2.2	16	+80,-20	.24	.14	3000	.037
81-GRM40Y225Z25L	GRM21BF51E225ZA01L	2.2	25	+80,-20	.24	.15	3000	.038
81-GRM40Y5V475Z010AL	GRM21BF51A475ZA01L	4.7	10	+80,-20	.29	.17	3000	.046
81-GRM21F51A106ZE15L	GRM21BF51A106ZE15L	10	10	+80,-20	.36	.22	3000	.057

Style 1206

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Temperature Coeff: X5R								
81-GRM31CR61C475KA	GRM31CR61C475KA01L	4.7	16	10%	.85	.50	2000	.140
81-GRM31R60J106KA01L	GRM31CR60J106KA01L	10	6.3	10%	.68	.40	2000	.110
81-GRM31R61E106KA12L	GRM31CR61E106KA12L	10	25	10%	1.01	.60	2000	.170
81-GRM31CR60J226KE19	GRM31CR60J226KE19L	22	6.3	10%	1.63	.97	2000	.270
81-GRM426X476M6.3L	GRM31CR60J476ME19L	47	6.3	20%	3.49	2.07	2000	.580
Temperature Coeff: X7R								
81-GRM426X105K16L	GRM31MR71C105KA01L	1	16	10%	.33	.19	3000	.051
81-GRM31MR71H105KA88	GRM31MR71H105KA88L	1	50	10%	.41	.24	3000	.064
81-GRM426X225K010L	GRM31MR71A225KA01L	2.2	10	10%	.41	.24	3000	.064
81-GRM426X225K16L	GRM31MR71C225KA35L	2.2	16	10%	.42	.25	3000	.066

Style 1206 (Cont.)

For quantities greater than listed, call for q

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	P
Temperature Coeff: X7R (cont.)								
81-GRM31CR71H225KA88	GRM31CR71H225KA88L	2.2	50	10%	.62	.37	2000	
81-GRM426X475K10L	GRM31CR71A475KA01L	4.7	10	10%	.63	.38	2000	
81-GRM31CR71E475KA88	GRM31CR71E475KA88L	4.7	25	10%	.61	.36	2000	
81-GRM426X106K6.3L	GRM31CR70J106KA01L	10	6.3	10%	.83	.49	2000	
81-GRM31CR71A106KA01	GRM31CR71A106KA01L	10	10	10%	.61	.37	2000	
Temperature Coeff: Y5V								
81-GRM319F51C105ZA01	GRM319F51C105ZA01D	1	16	+80,-20	.18	.11	4000	
81-GRM426Y105Z25L	GRM31MF51E105ZA01L	1	25	+80,-20	.18	.11	3000	
81-GRM426Y5V225Z	GRM31MF51C225ZA01L	2.2	16	+80,-20	.33	.20	3000	
81-GRM31F51A475ZA01L	GRM31MF51A475ZA01L	4.7	10	+80,-20	.34	.20	3000	
81-GRM31MF51C475Z	GRM31MF51C475ZA01L	4.7	16	+80,-20	.34	.20	3000	
81-GRM426Y106Z10L	GRM31MF51A106ZA01L	10	10	+80,-20	.54	.32	3000	
81-GRM31CF51E106ZA01	GRM31CF51E106ZA01L	10	25	+80,-20	.58	.34	2000	
81-GRM31CF51A226ZE01	GRM31CF51A226ZE01L	22	10	+80,-20	.94	.56	2000	

Style 1210

For quantities greater than listed, call for q

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	P
Temperature Coeff: X5R								
81-GRM422R106K10L	GRM32ER61A106KC01L	10	10	10%	1.46	.87	1000	
81-GRM32DR60J226K	GRM32DR60J226KA01L	22	6.3	10%	2.76	1.64	1000	
81-GRM32ER61C226KE20	GRM32ER61C226KE20L	22	16	10%	2.77	1.65	1000	
81-GRM32ER60J476ME20	GRM32ER60J476ME20L	47	6.3	20%	3.46	2.06	1000	
81-GRM32ER60J107ME20	GRM32ER60J107ME20L	100	6.3	20%	7.33	4.36	1000	
Temperature Coeff: X7R								
81-GRM422X105K50L	GRM32RR71H105KA01L	1	50	10%	.65	.39	1000	
81-GRM32ER72A105KA01	GRM32ER72A105KA01L	1	100	10%	1.29	.77	1000	
81-GRM422X225K16L	GRM32MR71C225KC01L	2.2	16	10%	1.03	.61	3000	
81-GRM422X225K025L	GRM32RR71E225KC01L	2.2	25	10%	.93	.55	1000	
81-GRM422X475K016L	GRM32RR71C475KC01L	4.7	16	10%	1.18	.70	1000	
81-GRM32R71H475KA88L	GRM32ER71H475KA88L	4.7	50	10%	2.18	1.29	1000	
81-GRM32DR71E106KA12	GRM32DR71E106KA12L	10	25	10%	1.75	1.04	1000	
81-GRM32R71A226KE20L	GRM32ER71A226KE20L	22	10	10%	2.62	1.56	1000	
Temperature Coeff: Y5V								
81-GRM422Y106Z16L	GRM32NF51C106ZA01L	10	16	+80,-20	.94	.56	2000	
81-GRM32NF51E106ZA01	GRM32NF51E106ZA01L	10	25	+80,-20	.95	.57	2000	
81-GRM32DF51H106ZA01	GRM32DF51H106ZA01L	10	50	+80,-20	1.11	.66	2000	
81-GRM32CF51A226ZA01	GRM32CF51A226ZA01L	22	10	+80,-20	1.22	.73	2000	

Style 1812

For quantities greater than listed, call for

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	P
Temperature Coeff: X5R								
81-GRM43ER61C226KE01	GRM43ER61C226KE01L	22	16	10%	3.24	1.92	1000	
81-GRM43ER60J476KE01	GRM43ER60J476KE01L	47	6.3	10%	5.11	3.04	500	
81-GRM43ER61A476KE19	GRM43ER61A476KE19L	47	10	10%	5.11	3.04	500	
81-GRM43SR60J107ME20	GRM43SR60J107ME20L	100	6.3	20%	8.39	4.99	500	
Temperature Coeff: X7R								
81-GRM432X7R225K50	GRM43ER71H225KA01L	2.2	50	10%	2.82	1.68	500	
81-GRM43ER72A225KA01	GRM43ER72A225KA01L	2.2	100	10%	3.50	2.08	500	

Style 2220

For quantities greater than listed, call for

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	P
Temperature Coeff: X7R								
81-GRM55RR71H105KA01	GRM55RR71H105KA01L	1	50	10%	4.56	2.71	1000	
81-GRM55ER72A475KA01	GRM55ER72A475KA01L	4.7	100	10%	7.35	4.37	500	

SYFER FLEXICAP™ SMD Ceramic Capacitors

SYFER
SYFER TECHNOLOGY LIMITED
A TTI Company

XICAP™ CERAMIC CAPACITORS

'S FlexiCap™ Ceramic Surface Mount Capacitor technology was developed to provide improved resistance sk of mechanical stress cracking in ceramic chip capacitors.

es:

s a greater degree of PCB deflection, lly twice that of standard MLCC's Cap termination does not affect ical characteristics or performance of evices which can be used with no ges to the manufacturing process resistant to temperature cycling

Specifications:

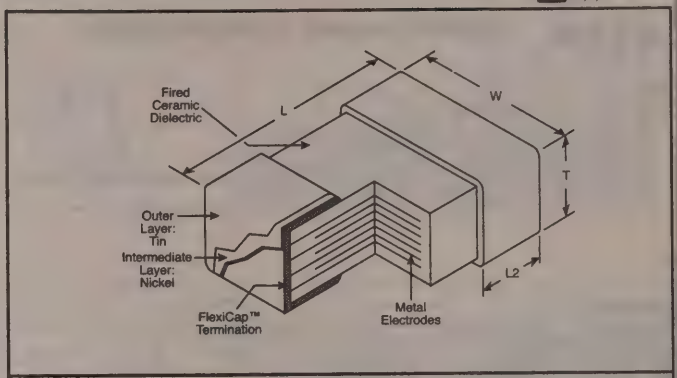
- Operating range: -55°C to +125°C (max. capacitance change: ±15%)
- Insulation resistance: 100 gigohm or 1000s, whichever is less
- Dissipation Factor: < 0.025
- Dielectric strength with voltage applied for 5 seconds: ≤ 200 Volts: 2.5 times; 500 & 630 Volts: 1.5 times; ≥ 1 kV: 1.25 times

ts:

r Supplies: DC-DC Converters, systems
om: Backplanes, linecards, modems, ase stations
ng ballasts
trial

Applications:

- Can be used in all designs currently using standard MLCC's
- Suggested for high stress, critical circuit applications



Style	DIMENSIONS: mm (in.)			
	L	W	T Max.	L2 Max.
0603	1.6±0.2 (.063±.008)	.8±0.2 (.031±.008)	0.8 (.031)	0.40 (.015)
0805	2.0±0.3 (.080±.012)	1.25±0.2(.05±.008)	1.3 (.051)	0.75 (.030)
1206	3.2±0.3 (.126±.012)	1.6±0.2 (.063±.008)	1.6 (.063)	0.75 (.030)
1210	3.2±0.3 (.126±.012)	2.5±0.3 (.100±.012)	2.0 (.08)	0.75 (.030)
1808	4.5±0.35 (.18±.014)	2.0±0.3 (.080±.012)	2.0 (.08)	1.0 (.040)
1812	4.5±0.35 (.18±.014)	3.2±0.3 (.126±.012)	2.5 (.10)	1.0 (.040)
2220	5.7±0.4 (.225±.016)	5.0±0.4 (.197±.016)	2.5 (.10)	1.0 (.040)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Value (pF)	Volt (DC)	Tol. (%)	Price Each 1	Price Each 100	Price Each 500	Reel Qty.	Price Per Piece
0603-Temperature Coef. X7R									
0603Y2000101K	0603Y2000101KXT	100	200	10	.38	.27	.14	4000	.09
0603Y2000151K	0603Y2000151KXT	150	200	10	.38	.27	.14	4000	.09
0603Y2000221K	0603Y2000221KXT	220	200	10	.38	.27	.14	4000	.09
0603Y2000331K	0603Y2000331KXT	330	200	10	.38	.27	.14	4000	.09
0603Y2000471K	0603Y2000471KXT	470	200	10	.38	.27	.14	4000	.09
0603Y2000681K	0603Y2000681KXT	680	200	10	.38	.27	.14	4000	.09
0603Y2000102K	0603Y2000102KXT	1000	200	10	.41	.29	.15	4000	.10
0603Y2000152K	0603Y2000152KXT	1500	200	10	.41	.29	.15	4000	.10
0603Y2000222K	0603Y2000222KXT	2200	200	10	.41	.29	.15	4000	.10
0603Y2000332K	0603Y2000332KXT	3300	200	10	.42	.30	.15	4000	.10
0603Y2000472K	0603Y2000472KXT	4700	200	10	.46	.33	.16	4000	.11
0805-Temperature Coef. X7R									
0805Y5000101K	0805Y5000101KXT	100	500	10	.39	.28	.14	3000	.10
0805Y5000221K	0805Y5000221KXT	220	500	10	.39	.28	.14	3000	.10
0805Y5000471K	0805Y5000471KXT	470	500	10	.39	.28	.14	3000	.10
0805Y2000102K	0805Y2000102KXT	1000	200	10	.59	.42	.21	3000	.15
0805Y2000682K	0805Y2000682KXT	6800	200	10	.46	.33	.16	3000	.11
0805Y2000103K	0805Y2000103KXT	10000	200	10	.61	.43	.22	3000	.15
0805Y2000153K	0805Y2000153KXT	15000	200	10	.67	.48	.24	3000	.17
0805Y2000223K	0805Y2000223KXT	22000	200	10	.73	.52	.26	3000	.18
0805Y0500104K	0805Y0500104KXT	.1µF	50	10	.57	.41	.20	3000	.14
1206-Temperature Coef. X7R									
1206Y6300470K	1206Y6300470KXT	47	630	10	.52	.37	.19	2500	.13
1206Y1K00101K	1206Y1K00101KXT	100	1000	10	.67	.48	.24	2500	.17
1206Y5000101K	1206Y5000101KXT	100	500	10	.67	.48	.24	2500	.17
1206Y2K00471K	1206Y2K00471KXT	470	2000	10	.69	.49	.25	2500	.17
1206Y1K00471K	1206Y1K00471KXT	470	1000	10	.67	.48	.24	2500	.17
1206Y6300471K	1206Y6300471KXT	470	630	10	.60	.43	.22	2500	.15
1206Y5000471K	1206Y5000471KXT	470	500	10	.78	.56	.28	2500	.19
1206Y2K00102K	1206Y2K00102KXT	1000	2000	10	.73	.52	.26	2500	.18
1206Y1K00102K	1206Y1K00102KXT	1000	1000	10	.70	.50	.25	2500	.18
1206Y6300102K	1206Y6300102KXT	1000	630	10	.60	.43	.22	2500	.15
1206Y6300102M	1206Y6300102MXT	1000	630	20	.55	.39	.20	2500	.14
1206Y5000102K	1206Y5000102KXT	1000	500	10	.85	.61	.31	2500	.21
1206Y5000152K	1206Y5000152KXT	1500	500	10	.88	.63	.31	2500	.22
1206Y2000222K	1206Y2000222KXT	2200	200	10	.73	.52	.26	2500	.18
1206Y1K00272K	1206Y1K00272KXT	2700	1000	10	.79	.57	.28	2500	.20
1206Y1K00472K	1206Y1K00472KXT	4700	1000	10	.83	.59	.30	2500	.21
1206Y6300472K	1206Y6300472KXT	4700	630	10	.76	.55	.27	2500	.19
1206Y5000472K	1206Y5000472KXT	4700	500	10	.57	.41	.21	2500	.14
1206Y2000472K	1206Y2000472KXT	4700	200	10	.73	.52	.26	2500	.18
1206Y6300103K	1206Y6300103KXT	.01µF	630	10	.87	.62	.31	2500	.22
1206Y5000103K	1206Y5000103KXT	.01µF	500	10	.64	.46	.23	2500	.16
1206Y2000103K	1206Y2000103KXT	.01µF	200	10	.81	.58	.29	2500	.20
1206Y5000153K	1206Y5000153KXT	.015µF	500	10	.74	.53	.26	2500	.19
1206Y5000223K	1206Y5000223KXT	.022µF	500	10	.74	.53	.26	2500	.19
1206Y5000333K	1206Y5000333KXT	.033µF	500	10	.85	.61	.31	2500	.21
1206Y2000333K	1206Y2000333KXT	.033µF	200	10	1.02	.73	.37	2500	.26
1206Y2000473K	1206Y2000473KXT	.047µF	200	10	1.17	.84	.42	2500	.29
1206Y2000683K	1206Y2000683KXT	.068µF	200	10	1.17	.84	.42	2500	.29
1206Y2000104K	1206Y2000104KXT	.1µF	200	10	1.30	.93	.46	2500	.32
1206Y1000104K	1206Y1000104KXT	.1µF	100	10	1.06	.76	.38	2500	.27
1206Y0500104K	1206Y0500104KXT	.1µF	50	10	.67	.48	.24	2500	.17
1206Y0500474K	1206Y0500474KXT	.47µF	50	10	1.44	1.03	.52	2500	.36
1206Y0160105K	1206Y0160105KXT	1µF	16	10	1.75	1.25	.63	2500	.44

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Value (pF)	Volt (DC)	Tol. (%)	Price Each 1	Price Each 100	Price Each 500	Reel Qty.	Price Per Piece
Style 1210-Temperature Coef. X7R									
843-1210Y5000222K	1210Y5000222KXT	2200	500	10	1.48	1.06	.53	2000	.37
843-1210Y1K00472K	1210Y1K00472KXT	4700	1000	10	1.29	.92	.46	2000	.32
843-1210Y1K00103K	1210Y1K00103KXT	.01µF	1000	10	1.39	.99	.50	2000	.35
843-1210Y5000103K	1210Y5000103KXT	.01µF	500	10	.95	.68	.34	2000	.24
843-1210Y2000103K	1210Y2000103KXT	.01µF	200	10	1.50	1.07	.54	2000	.38
843-1210Y1K00153K	1210Y1K00153KXT	.015µF	1000	10	1.66	1.18	.59	2000	.41
843-1210Y5000153K	1210Y5000153KXT	.015µF	500	10	.95	.68	.34	2000	.24
843-1210Y5000223K	1210Y5000223KXT	.022µF	500	10	1.06	.76	.38	2000	.26
843-1210Y5000333K	1210Y5000333KXT	.033µF	500	10	1.29	.92	.46	2000	.32
843-1210Y5000473K	1210Y5000473KXT	.047µF	500	10	1.29	.92	.46	2000	.32
843-1210Y5000683K	1210Y5000683KXT	.068µF	500	10	1.44	1.03	.52	2000	.36
843-1210Y5000104K	1210Y5000104KXT	.1µF	500	10	1.63	1.16	.58	2000	.41
843-1210Y2000104K	1210Y2000104KXT	.1µF	200	10	2.09	1.49	.75	2000	.52
843-1210Y2000124K	1210Y2000124KXT	.12µF	200	10	2.34	1.67	.84	2000	.58
843-1210Y2000154K	1210Y2000154KXT	.15µF	200	10	2.34	1.67	.84	2000	.58
843-1210Y2000184K	1210Y2000184KXT	.18µF	200	10	2.34	1.67	.84	2000	.58
Style 1808-Temperature Coef. X7R									
843-1808Y3K00101K	1808Y3K00101KXT	100	3000	10	1.34	.96	.48	1500	.33
843-1808Y3K00102K	1808Y3K00102KXT	1000	3000	10	1.41	1.01	.50	1500	.35
843-1808Y2K00102K	1808Y2K00102KXT	1000	2000	10	1.24	.89	.44	1500	.31
843-1808Y2K00222K	1808Y2K00222KXT	2200	2000	10	1.49	1.06	.53	1500	.37
Style 1812-Temperature Coef. X7R									
843-1812Y3K00681K	1812Y3K00681KXT	680	3000	10	2.51	1.79	1.07	1000	.90
843-1812Y3K00102K	1812Y3K00102KXT	1000	3000	10	2.51	1.79	1.08	1000	.90
843-1812Y2K00102K	1812Y2K00102KXT	1000	2000	10	2.33	1.66	1.00	1000	.83
843-1812Y5000102K	1812Y5000102KXT	1000	500	10	1.87	1.34	.80	1000	.67
843-1812Y3K00222K	1812Y3K00222KXT	2200	3000	10	2.76	1.97	1.18	1000	.99
843-1812Y2K00222K	1812Y2K00222KXT	2200	2000	10	2.33	1.66	1.00	1000	.83
843-1812Y2K00472K	1812Y2K00472KXT	4700	2000	10	2.50	1.79	1.07	1000	.89
843-1812Y1K00103K	1812Y1K00103KXT	.01µF	1000	10	2.51	1.79	1.08	1000	.90
843-1812Y5000103K	1812Y5000103KXT	.01µF	500	10	1.87	1.33	.80	1000	.67
843-1812Y1K00223K	1812Y1K00223KXT	.022µF	1000	10	2.79	1.99	1.19	1000	1.00
843-1812Y1K00333K	1812Y1K00333KXT	.033µF	1000	10	3.02	2.15	1.29	1000	1.08
843-1812Y1K00473K	1812Y1K00473KXT	.047µF	1000	10	3.89	2.78	1.67	1000	1.39
843-1812Y5000473K	1812Y5000473KXT	.047µF	500	10	2.17	1.55	.93	1000	.77
843-1812Y5000104K	1812Y5000104KXT	.1µF	500	10	2.97	2.12	1.27	1000	1.06
843-1812Y2000104K	1812Y2000104KXT	.1µF	200	10	2.92	2.09	1.25	1000	1.04
843-1812Y5000124K	1812Y5000124KXT	.12µF	500	10	3.23	2.31	1.38	1000	1.15
843-1812Y5000224K	1812Y5000224KXT	.22µF	500	10	3.71	2.65	1.59	1000	1.33
843-1812Y2000224K	1812Y2000224KXT	.22µF	200	10	3.93	2.81	1.68	1000	1.40
843-1812Y5000274K	1812Y5000274KXT	.27µF	500	10	4.29	3.07	1.84	1000	1.53
843-1812Y2000274K	1812Y2000274KXT	.27µF	200	10	4.26	3.04	1.83	1000	1.52
843-1812Y2000334K	1812Y2000334KXT	.33µF	200	10	4.80	3.43	2.06	1000	1.72
843-1812Y1000105K	1812Y1000105KXT	1µF	100	10	6.69	4.78	2.87	1000	2.39
843-1812Y0500105K	1812Y0500105KXT	1µF	50	10	4.59	3.28	1.97	1000	1.64
Style 2220-Temperature Coef. X7R									
843-2220Y2K00103K	2220Y2K00103KXT	.01µF	2000	10	5.49	3.92	1.96	1000	1.45
843-2220Y1K00104K	2220Y1K00104KXT	.1µF	1000	10	6.67	4.76	2.38	1000	1.76
843-2220Y5000104K	2220Y5000104KXT	.1µF	500	10	4.91	3.51	1.76	1000	1.30
843-2220Y5000224K	2220Y5000224KXT	.22µF	500	10	6.43	4.59	2.30	1000	1.70
843-2220Y1000105K	2220Y1000105KXT	1µF	100	10	9.38	6.70	3.35	1000	2.48

TDK

TDK C SERIES CERAMIC CHIP CAPACITORS

EIA Code	EIAJ Code	Dim. L	(mm W
0402	1005	1.0	.05
0603	1608	1.6	0.8
0805	2012	2.0	1.25
1206	3216	3.2	1.6
1210	3225	3.2	2.5
1812	4532	4.5	3.2
2220	5750	5.7	5.0

Features:

- C0G (NP0), X7R, X5R, and 75V Dielectrics
- High capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers
- Monolithic structure ensures superior mechanical strength and reliability
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances
- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes

Style 0402

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each 1	Price Each 100	Price Each 1,000	Reel Qty.	Price Per Piece 10,000	Price Per Piece 50,000
Temperature Coef: C0G (NP0)											
810-C1005C0G1H100D	C1005C0G1H100D	10	50	0.5pF	0.5	.09	.033	.019	10,000	.009	.008
810-C1005C0G1H120J	C1005C0G1H120J	12	50	5%	0.5	.09	.034	.02	10,000	.010	.009
810-C1005C0G1H150J	C1005C0G1H150J	15	50	5%	0.5	.09	.034	.02	10,000	.010	.009
810-C1005C0G1H180J	C1005C0G1H180J	18	50	5%	0.5	.09	.034	.02	10,000	.010	.009
810-C1005C0G1H220J	C1005C0G1H220J	22	50	5%	0.5	.09	.033	.019	10,000	.009	.008
810-C1005C0G1H270J	C1005C0G1H270J	27	50	5%	0.5	.09	.034	.02	10,000	.010	.009
810-C1005C0G1H330J	C1005C0G1H330J	33	50	5%	0.5	.09	.034	.02	10,000	.010	.009
810-C1005C0G1H390J	C1005C0G1H390J	39	50	5%	0.5	.09	.034	.02	10,000	.010	.009
810-C1005C0G1H470J	C1005C0G1H470J	47	50	5%	0.5	.09	.033	.019	10,000	.009	.008
810-C1005C0G1H560J	C1005C0G1H560J	56	50	5%	0.5	.09	.034	.02	10,000	.010	.008
810-C1005C0G1H680J	C1005C0G1H680J	68	50	5%	0.5	.09	.034	.02	10,000	.010	.008
810-C1005C0G1H820J	C1005C0G1H820J	82	50	5%	0.5	.09	.034	.02	10,000	.010	.008
810-C1005C0G1H101J	C1005C0G1H101J	100	50	5%	0.5	.09	.033	.019	10,000	.009	.008
810-C1005C0G1H121J	C1005C0G1H121J	120	50	5%	0.5	.10	.038	.022	10,000	.010	.009
810-C1005C0G1H151J	C1005C0G1H151J	150	50	5%	0.5	.10	.038	.022	10,000	.010	.009
810-C1005C0G1H181J	C1005C0G1H181J	180	50	5%	0.5	.11	.043	.025	10,000	.012	.010
810-C1005C0G1H221J	C1005C0G1H221J	220	50	5%	0.5	.11	.043	.025	10,000	.012	.010
810-C1005C0G1H271J	C1005C0G1H271J	270	50	5%	0.5	.13	.05	.029	10,000	.014	.011
810-C1005C0G1H331J	C1005C0G1H331J	330	50	5%	0.5	.13	.05	.029	10,000	.014	.011
Temperature Coef: X7R											
810-C1005X7R1H221K	C1005X7R1H221K	220	50	10%	0.5	.09	.034	.02	10,000	.010	.009
810-C1005X7R1H471K	C1005X7R1H471K	470	50	10%	0.5	.09	.034	.02	10,000	.010	.009
810-C1005X7R1H102K	C1005X7R1H102K	1000	50	10%	0.5	.09	.033	.019	10,000	.009	.008
810-C1005X7R1H222K	C1005X7R1H222K	2200	50	10%	0.5	.09	.034	.02	10,000	.010	.008
810-C1005X7R1E472K	C1005X7R1E472K	4700	25	10%	0.5	.09	.034	.02	10,000	.010	.008
810-C1005X7R1H472K	C1005X7R1H472K	4700	50	10%	0.5	.09	.034	.02	10,000	.010	.008
810-C1005X7R1C103K	C1005X7R1C103K	10000	16	10%	0.5	.09	.033	.019	10,000	.009	.008
810-C1005X7R1E103K	C1005X7R1E103K	10000	25	10%	0.5	.09	.034	.02	10,000	.010	.009
810-C1005X7R1C223K	C1005X7R1C223K	22000	16	10%	0.5	.11	.043	.025	10,000	.011	.010
810-C1005X7R1E223K	C1005X7R1E223K	22000	25	10%	0.5	.12	.046	.027	10,000	.013	.011
810-C1005X7R1C473K	C1005X7R1C473K	47000	16	10%	0.5	.18	.071	.041	10,000	.020	.017
Temperature Coef: X5R											
810-C1005X5R0J104K	C1005X5R0J104K	.1µF	6.3	10%	0.5	.23	.088	.051	10,000	.024	.021
810-C1005X5R1A104K	C1005X5R1A104K	.1µF	10	10%	0.5	.23	.088	.051	10,000	.024	.021
810-C1005X5R0J224M	C1005X5R0J224M	.22µF	6.3	20%	0.5	.42	.16	.094	10,000	.045	.039
810-C1005X5R0J105M	C1005X5R0J105M	1µF	6.3	20%	0.5	.30	.11	.068	10,000	.032	.026
Temperature Coef: Y5V											
810-C1005Y5V1C104Z	C1005Y5V1C104Z	.1µF	16	+80,-20%	0.5	.14	.053	.031	10,000	.014	.012

Style 0603

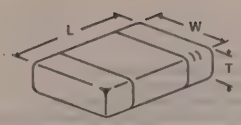
MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each 1	Price Each 100	Price Each 1,000	Reel Qty.	Price Per Piece 4,000	Price Per Piece 8,000
Temperature Coef: C0G (NP0)											
810-C1608C0G1H100D	C1608C0G1H100D	10	50	0.5pF	0.8	.08	.03	.017	4,000	.008	.007
810-C1608C0G1H120J	C1608C0G1H120J	12	50	5%	0.8	.08	.032	.019	4,000	.009	.008
810-C1608C0G1H150J	C1608C0G1H150J	15	50	5%	0.8	.08	.032	.019	4,000	.009	.008
810-C1608C0G1H180J	C1608C0G1H180J	18	50	5%	0.8	.08	.032	.019	4,000	.009	.008
810-C1608C0G1H220J	C1608C0G1H220J	22	50	5%	0.8	.08	.03	.017	4,000	.008	.007
810-C1608C0G1H270J	C1608C0G1H270J	27	50	5%	0.8	.08	.032	.019	4,000	.009	.008
810-C1608C0G1H330J	C1608C0G1H330J	33	50	5%	0.8	.08	.032	.019	4,000	.009	.008
810-C1608C0G1H390J	C1608C0G1H390J	39	50	5%	0.8	.08	.032	.019	4,000	.009	.008
810-C1608C0G1H470J	C1608C0G1H470J	47	50	5%	0.8	.08	.03	.017	4,000	.008	.007
810-C1608C0G1H560J	C1608C0G1H560J	56	50	5%	0.8	.08	.032	.019	4,000	.009	.008
810-C1608C0G1H680J	C1608C0G1H680J	68	50	5%	0.8	.08	.032	.019	4,000	.009	.008
810-C1608C0G1H820J	C1608C0G1H820J	82	50	5%	0.8	.08	.032	.019	4,000	.009	.008
810-C1608C0G1H101J	C1608C0G1H101J	100	50	5%	0.8	.08	.03	.017	4,000	.008	.007
810-C1608C0G1H121J	C1608C0G1H121J	120	50	5%	0.8	.08	.032	.019	4,000	.009	.008
810-C1608C0G1H151J	C1608C0G1H151J	150	50	5%	0.8	.08	.032	.019	4,000	.009	.008
810-C1608C0G1H181J	C1608C0G1H181J	180	50	5%	0.8	.10	.036	.021	4,000	.010	.009
810-C1608C0G1H221J	C1608C0G1H221J	220	50	5%	0.8	.10	.036	.021	4,000	.010	.009
810-C1608C0G1H271J	C1608C0G1H271J	270	50	5%	0.8	.11	.043	.025	4,000	.012	.011
810-C1608C0G1H331J	C1608C0G1H331J	330	50	5%	0.8	.11	.043	.025	4,000	.012	.011
810-C1608C0G1H391J	C1608C0G1H391J	390	50	5%	0.8	.13	.049	.029	4,000	.014	.013
810-C1608C0G1H471J	C1608C0G1H471J	470	50	5%	0.8	.13	.049	.029	4,000	.014	.013
810-C1608C0G1H561J	C1608C0G1H561J	560	50	5%	0.8	.15	.056	.032	4,000	.016	.015
810-C1608C0G1H681J	C1608C0G1H681J	680	50	5%	0.8	.15	.056	.032	4,000	.016	.015

MOUSER ELECTRONICS a tti company (800) 346-6873

C SERIES CERAMIC CHIP CAPACITORS (CONT.)

es:

NP0), X7R, X5R, and 75V Dielectrics.
apacitance has been achieved through precision technologies that enable the use of multiple thinner
ic dielectric layers.
ithic structure ensures superior mechanical strength and reliability.
ccuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances.
osed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting
ly no degradation even when subjected to temperature extremes.



EIA Code	EIAJ Code	Dim. (mm) L	W
0402	1005	1.0	.05
0603	1608	1.6	0.8
0805	2012	2.0	1.25
1206	3216	3.2	1.6
1210	3225	3.2	2.5
1812	4532	4.5	3.2
2220	5750	5.7	5.0

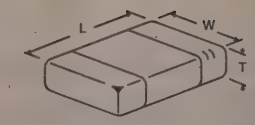
0603 (cont.)

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each 1	100	1,000	Reel Qty.	Price Per Piece 4,000	8,000
erature Coef: C0G (NP0) (cont.)											
1608C0G1H821J	C1608C0G1H821J	820	50	5%	0.8	.18	.069	.04	4,000	.019	.018
1608C0G1H102J	C1608C0G1H102J	1000	50	5%	0.8	.18	.069	.04	4,000	.019	.018
1608X7R2A102K	C1608X7R2A102K	1000	100	10%	0.8	.18	.071	.041	4,000	.020	.019
1608X7R2A102M	C1608X7R2A102M	1000	100	20%	0.8	.17	.065	.038	4,000	.018	.017
1608C0G1H122J	C1608C0G1H122J	1200	50	5%	0.8	.27	.110	.061	4,000	.030	.029
1608C0G1H152J	C1608C0G1H152J	1500	50	5%	0.8	.27	.110	.061	4,000	.030	.029
1608C0G1H182J	C1608C0G1H182J	1800	50	5%	0.8	.31	.120	.069	4,000	.033	.032
1608C0G1H222J	C1608C0G1H222J	2200	50	5%	0.8	.31	.120	.069	4,000	.033	.032
1608X7R2A222K	C1608X7R2A222K	2200	100	10%	0.8	.18	.071	.041	4,000	.020	.019
1608X7R2A222M	C1608X7R2A222M	2200	100	20%	0.8	.17	.065	.038	4,000	.018	.017
1608X7R2A472K	C1608X7R2A472K	4700	100	10%	0.8	.18	.071	.041	4,000	.020	.019
erature Coef: X7R											
1608X7R1H221K	C1608X7R1H221K	220	50	10%	0.8	.08	.032	.019	4,000	.009	.008
1608X7R1H471K	C1608X7R1H471K	470	50	10%	0.8	.08	.032	.019	4,000	.009	.008
1608X7R1H102K	C1608X7R1H102K	1000	50	10%	0.8	.08	.03	.017	4,000	.008	.007
1608X7R1H222K	C1608X7R1H222K	2200	50	10%	0.8	.08	.032	.019	4,000	.009	.008
1608X7R1H472K	C1608X7R1H472K	4700	50	10%	0.8	.08	.032	.019	4,000	.009	.008
1608X7R2A472M	C1608X7R2A472M	4700	100	20%	0.8	.17	.065	.038	4,000	.018	.017
1608X7R1H103K	C1608X7R1H103K	.01µF	50	10%	0.8	.08	.03	.017	4,000	.008	.007
1608X7R2A103K	C1608X7R2A103K	.01µF	100	10%	0.8	.18	.071	.041	4,000	.020	.019
1608X7R2A103M	C1608X7R2A103M	.01µF	100	20%	0.8	.17	.065	.038	4,000	.018	.017
1608X7R1H223K	C1608X7R1H223K	.022µF	50	10%	0.8	.11	.043	.025	4,000	.012	.011
1608X7R1E473K	C1608X7R1E473K	.047µF	25	10%	0.8	.16	.062	.036	4,000	.018	.017
1608X7R1H473K	C1608X7R1H473K	.047µF	50	10%	0.8	.16	.062	.036	4,000	.018	.017
1608X7R1C104K	C1608X7R1C104K	.1µF	16	10%	0.8	.15	.058	.034	4,000	.016	.015
1608X7R1E104K	C1608X7R1E104K	.1µF	25	10%	0.8	.15	.058	.034	4,000	.016	.015
1608X7R1H104K	C1608X7R1H104K	.1µF	50	10%	0.8	.18	.069	.04	4,000	.019	.018
1608X7R1C224K	C1608X7R1C224K	.22µF	16	10%	0.8	.30	.12	.067	4,000	.033	.032
erature Coef: X5R											
1608X5R1A224K	C1608X5R1A224K	.22µF	10	10%	0.8	.28	.11	.064	4,000	.031	.030
1608X5R1A474K	C1608X5R1A474K	.47µF	10	10%	0.8	.46	.18	.11	4,000	.051	.050
1608X5R0J105K	C1608X5R0J105K	1µF	6.3	10%	0.8	.63	.25	.14	4,000	.069	.068
1608X5R1A105K	C1608X5R1A105K	1µF	10	10%	0.8	.63	.25	.14	4,000	.069	.068
1608X5R1C105K	C1608X5R1C105K	1µF	16	10%	0.8	.69	.27	.16	4,000	.075	.074
1608X5R0J225M	C1608X5R0J225M	2.2µF	6.3	20%	0.8	.91	.36	.21	4,000	.100	.099
1608X5R0J475M	C1608X5R0J475M	4.7µF	6.3	20%	0.8	.91	.36	.21	4,000	.100	.099
erature Coef: Y5V											
1608Y5V1C104Z	C1608Y5V1C104Z	.1µF	16	+80,-20%	0.8	.08	.03	.017	4,000	.008	.007
1608Y5V1E104Z	C1608Y5V1E104Z	.1µF	25	+80,-20%	0.8	.08	.03	.017	4,000	.008	.007
1608Y5V1H104Z	C1608Y5V1H104Z	.1µF	50	+80,-20%	0.8	.08	.03	.017	4,000	.008	.007
1608Y5V1A105Z	C1608Y5V1A105Z	1µF	10	+80,-20%	0.8	.29	.11	.066	4,000	.032	.031
1608Y5V1C105Z	C1608Y5V1C105Z	1µF	16	+80,-20%	0.8	.29	.11	.066	4,000	.032	.031

0805

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each 1	10	100	1000	Reel Qty.	Price Each
perature Coef: C0G (NP0)											
-C2012C0G1H101J	C2012C0G1H101J	100pF	50	5%	0.6	.25	.16	.095	.044	4,000	.027
-C2012C0G1H102J	C2012C0G1H102J	1000pF	50	5%	0.6	.25	.16	.095	.044	4,000	.027
-C2012C0G1H152J	C2012C0G1H152J	1500pF	50	5%	0.6	.25	.16	.095	.044	4,000	.027
-C2012C0G1H222J	C2012C0G1H222J	2200pF	50	5%	0.6	.31	.21	.12	.06	4,000	.031
-C2012C0G1H332J	C2012C0G1H332J	3300pF	50	5%	0.6	.35	.23	.14	.06	2,000	.038
-C2012C0G1H472J	C2012C0G1H472J	4700pF	50	5%	0.85	.49	.32	.19	.09	4,000	.049
-C2012C0G1H682J	C2012C0G1H682J	6800pF	50	5%	1.25	.68	.45	.27	.12	2,000	.074
-C2012C0G1H103J	C2012C0G1H103J	.01µF	50	5%	1.25	1.16	.77	.46	.21	2,000	.13
perature Coef: X7R											
-C2012X7R1H102K	C2012X7R1H102K	1000pF	50	10%	0.6	.13	.086	.051	.024	4,000	.014
-C2012X7R2A102K	C2012X7R2A102K	1000pF	100	10%	0.85	.20	.13	.077	.036	4,000	.022
-C2012X7R2A102M	C2012X7R2A102M	1000pF	100	20%	0.85	.18	.12	.071	.033	4,000	.02
-C2012X7R2A222K	C2012X7R2A222K	2200pF	100	10%	0.85	.20	.13	.077	.036	4,000	.022
-C2012X7R2A222M	C2012X7R2A222M	2200pF	100	20%	0.85	.18	.12	.071	.033	4,000	.02
-C2012X7R2A472K	C2012X7R2A472K	4700pF	100	10%	0.85	.20	.13	.077	.036	4,000	.022
-C2012X7R2A472M	C2012X7R2A472M	4700pF	100	20%	0.85	.18	.12	.071	.033	4,000	.02
-C2012X7R1H103K	C2012X7R1H103K	0.01	50	10%	0.6	.12	.078	.046	.022	4,000	.013
-C2012X7R2A103K	C2012X7R2A103K	0.01	100	10%	0.85	.20	.13	.077	.036	4,000	.022
-C2012X7R2A103M	C2012X7R2A103M	0.01	100	20%	0.85	.18	.12	.071	.033	4,000	.02
-C2012X7R2A223K	C2012X7R2A223K	0.022	100	10%	1.25	.23	.15	.088	.04	2,000	.025
-C2012X7R2A223M	C2012X7R2A223M	0.022	100	20%	1.25	.21	.14	.082	.04	2,000	.023
-C2012X7R1E104K	C2012X7R1E104K	0.1	25	10%	0.85	.25	.16	.097	.04	2,000	.027

TDK C SERIES CERAMIC CHIP CAPACITORS (CONT.)



EIA Code	EIAJ Code	Dim. L	(d
0402	1005	1.0	
0603	1608	1.6	
0805	2012	2.0	
1206	3216	3.2	
1210	3225	3.2	
1812	4532	4.5	
2220	5750	5.7	

Features:

- C0G (NP0), X7R, X5R, and 75V Dielectrics
- High capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers
- Monolithic structure ensures superior mechanical strength and reliability
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances
- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes

Style 0805 (cont.)

MOUSER STOCK NO.	TDK Part No.	Value (μF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each 1	10	100	1000	Reel Qty.	Price Ea
Temperature Coef: X7R (cont.)											
810-C2012X7R1H104K	C2012X7R1H104K	0.1	50	10%	0.85	.25	.16	.097	.045	2,000	.043
810-C2012X7R2A104K	C2012X7R2A104K	0.1	100	10%	1.25	.24	.16	.092	.04	2,000	.026
810-C2012X7R1C224K	C2012X7R1C224K	0.22	16	10%	1.25	.36	.24	.14	.06	2,000	.039
810-C2012X7R1E224K	C2012X7R1E224K	0.22	25	10%	1.25	.36	.24	.14	.06	2,000	.039
810-C2012X7R1H224K	C2012X7R1H224K	0.22	50	10%	1.25	.36	.24	.14	.065	2,000	.063
810-C2012X7R1C334K	C2012X7R1C334K	0.33	16	10%	1.25	.50	.33	.20	.09	2,000	.055
810-C2012X7R1C474K	C2012X7R1C474K	0.47	16	10%	1.25	.53	.35	.21	.10	2,000	.058
810-C2012X7R1E474K	C2012X7R1E474K	0.47	25	10%	1.25	.53	.35	.21	.10	2,000	.058
810-C2012X7R1A105K	C2012X7R1A105K	1	10	10%	0.85	.73	.48	.29	.13	2,000	.079
810-C2012X7R1C105K	C2012X7R1C105K	1	16	10%	1.25	.65	.43	.25	.12	2,000	.071
810-C2012X7R1E105K	C2012X7R1E105K	1	25	10%	1.25	.90	.60	.35	.16	2,000	.098
810-C2012X7R1C225K	C2012X7R1C225K	2.2	16	10%	1.25	.93	.62	.37	.17	2,000	.10
Temperature Coef: X5R											
810-C2012X5R1A105K	C2012X5R1A105K	1	10	10%	0.85	.60	.40	.24	.11	2,000	.065
810-C2012X5R1A225K	C2012X5R1A225K	2.2	10	10%	0.85	1.13	.74	.44	.20	2,000	.12
810-C2012X5R0J475K	C2012X5R0J475K	4.7	6.3	10%	1.25	2.05	1.36	.81	.37	2,000	.22
810-C2012X5R0J475M	C2012X5R0J475M	4.7	6.3	20%	1.25	2.07	1.38	.81	.38	2,000	.23
810-C2012X5R0J106M	C2012X5R0J106M	10	6.3	20%	1.25	2.15	1.43	.85	.39	2,000	.24
810-C2012X5R0J226M	C2012X5R0J226M	22	6.3	20%	1.25	3.88	2.59	1.53	.70	2,000	.42
Temperature Coef: Y5V											
810-C2012Y5V1C105Z	C2012Y5V1C105Z	1	16	+80,-20%	0.85	.28	.18	.11	.05	2,000	.03
810-C2012Y5V1E105Z	C2012Y5V1E105Z	1	25	+80,-20%	0.85	.28	.18	.11	.05	2,000	.03
810-C2012Y5V1H105Z	C2012Y5V1H105Z	1	50	+80,-20%	1.25	.28	.18	.11	.05	2,000	.03
810-C2012Y5V1C225Z	C2012Y5V1C225Z	2.2	16	+80,-20%	1.25	.58	.39	.23	.10	2,000	.064
810-C2012Y5V1E225Z	C2012Y5V1E225Z	2.2	25	+80,-20%	1.25	.58	.39	.23	.10	2,000	.064
810-C2012Y5V1A475Z	C2012Y5V1A475Z	4.7	10	+80,-20%	1.25	1.06	.71	.42	.19	2,000	.12
810-C2012Y5V1C475Z	C2012Y5V1C475Z	4.7	16	+80,-20%	1.25	1.06	.71	.42	.19	2,000	.12
810-C2012Y5V0J106Z	C2012Y5V0J106Z	10	6.3	+80,-20%	1.25	1.34	.89	.53	.24	2,000	.15
810-C2012Y5V1A106Z	C2012Y5V1A106Z	10	10	+80,-20%	1.25	1.57	1.05	.62	.29	2,000	.17
810-C2012Y5V0J226Z	C2012Y5V0J226Z	22	6.3	+80,-20%	1.25	2.68	1.78	1.05	.49	2,000	.29

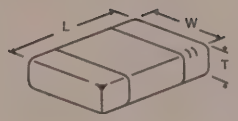
Style 1206

MOUSER STOCK NO.	TDK Part No.	Value (μF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each 1	10	100	500	Reel Qty.	Price Ea
Temperature Coef: C0G (NP0)											
810-C3216C0G1H472J	C3216C0G1H472J	4700pF	50	5%	0.6	.67	.44	.26	.15	4,000	.073
810-C3216C0G1H103J	C3216C0G1H103J	10000pF	50	5%	0.85	1.49	.99	.59	.34	2,000	.16
810-C3216C0G1H223J	C3216C0G1H223J	22000pF	50	5%	1.15	1.99	1.32	.78	.45	2,000	.22
Temperature Coef: X7R											
810-C3216X7R2A104K	C3216X7R2A104K	0.1	100	10%	1.6	1.08	.72	.42	.24	2,000	.12
810-C3216X7R2A104M	C3216X7R2A104M	0.1	100	20%	1.6	.98	.65	.39	.22	2,000	.11
810-C3216X7R1H224K	C3216X7R1H224K	0.22	50	10%	1.6	.55	.36	.22	.12	2,000	.06
810-C3216X7R1H474K	C3216X7R1H474K	0.47	50	10%	1.6	.67	.45	.26	.15	2,000	.073
810-C3216X7R1C105K	C3216X7R1C105K	1	16	10%	0.85	.58	.39	.23	.13	2,000	.064
810-C3216X7R1E105K	C3216X7R1E105K	1	25	10%	1.6	.68	.45	.27	.15	2,000	.074
810-C3216X7R1H105K	C3216X7R1H105K	1	50	10%	1.6	.62	.41	.24	.14	2,000	.068
810-C3216X7R1C225K	C3216X7R1C225K	2.2	16	10%	1.6	1.24	.82	.49	.28	2,000	.14
810-C3216X7R1E225K	C3216X7R1E225K	2.2	25	10%	1.6	1.03	.68	.40	.23	2,000	.11
810-C3216X7R1C475K	C3216X7R1C475K	4.7	16	10%	1.6	1.98	1.32	.78	.45	2,000	.22
810-C3216X7R1C475M	C3216X7R1C475M	4.7	16	20%	1.6	1.78	1.19	.70	.40	2,000	.19
810-C3216X7R1E475M	C3216X7R1E475M	4.7	25	20%	1.6	1.89	1.26	.74	.43	2,000	.21
Temperature Coef: X5R											
810-C3216X5R1A475K	C3216X5R1A475K	4.7	10	10%	1.6	1.62	1.08	.64	.37	2,000	.18
810-C3216X5R0J106K	C3216X5R0J106K	10	6.3	10%	1.6	2.65	1.76	1.04	.60	2,000	.29
810-C3216X5R0J106M	C3216X5R0J106M	10	6.3	20%	1.6	2.48	1.65	.98	.56	2,000	.27
810-C3216X5R1A106M	C3216X5R1A106M	10	10	20%	1.6	2.55	1.70	1.00	.58	2,000	.28
810-C3216X5R1C106M	C3216X5R1C106M	10	16	20%	1.6	3.24	2.16	1.28	.74	2,000	.35
810-C3216X5R0J226M	C3216X5R0J226M	22	6.3	20%	1.6	3.72	2.48	1.46	.84	2,000	.41
810-C3216X5R0J476M	C3216X5R0J476M	47	6.3	20%	1.6	5.95	3.96	2.34	1.35	2,000	.65
Temperature Coef: Y5V											
810-C3216Y5V1C475Z	C3216Y5V1C475Z	4.7	16	+80,-20%	0.85	.86	.57	.34	.20	2,000	.094
810-C3216Y5V1A106Z	C3216Y5V1A106Z	10	10	+80,-20%	1.15	1.41	.94	.55	.32	2,000	.15
810-C3216Y5V1C106Z	C3216Y5V1C106Z	10	16	+80,-20%	1.6	1.41	.94	.55	.32	2,000	.15
810-C3216Y5V1A226Z	C3216Y5V1A226Z	22	10	+80,-20%	1.6	3.88	2.59	1.53	.88	2,000	.42
810-C3216Y5V0J476Z	C3216Y5V0J476Z	47	6.3	+80,-20%	1.6	5.95	3.96	2.34	1.35	2,000	.65

TDK

C SERIES CERAMIC CHIP CAPACITORS (CONT.)

res:
(NP0), X7R, X5R, and 75V Dielectrics•
capacitance has been achieved through precision technologies
nable the use of multiple thinner ceramic dielectric layers
olithic structure ensures superior mechanical strength and reliability
accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances
posed of only ceramics and metals, these capacitors provide extremely
ndable performance, exhibiting virtually no degradation even when subjected to temperature extremes



EIA Code	EIAJ Code	Dim. L	(mm) W
0402	1005	1.0	.05
0603	1608	1.6	0.8
0805	2012	2.0	1.25
1206	3216	3.2	1.6
1210	3225	3.2	2.5
1812	4532	4.5	3.2
2220	5750	5.7	5.0

e 1210

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each 1	10	100	500	Reel Qty.	Price Each
perature Coef: X7R											
C3225X7R2A474M	C3225X7R2A474M	0.47	100	20%	2	3.27	2.18	1.29	.74	1,000	.36
C3225X7R1H105K	C3225X7R1H105K	1	50	10%	1.6	1.64	1.09	.64	.30	1,000	.18
C3225X7R1H105M	C3225X7R1H105M	1	50	20%	1.6	1.66	1.10	.65	.30	1,000	.18
C3225X7R2A105M	C3225X7R2A105M	1	100	20%	2	3.72	2.48	1.46	.84	1,000	.41
C3225X7R1E225M	C3225X7R1E225M	2.2	25	20%	1.6	2.78	1.85	1.09	.50	1,000	.30
C3225X7R1H225K	C3225X7R1H225K	2.2	50	10%	2.5	1.79	1.19	.70	.41	1,000	.30
C3225X7R1H335M	C3225X7R1H335M	3.3	50	20%	2.5	2.23	1.49	.88	.51	1,000	.35
C3225X7R1C475K	C3225X7R1C475K	4.7	16	10%	1.6	3.60	2.40	1.42	.65	2,000	.32
C3225X7R1E475K	C3225X7R1E475K	4.7	25	10%	2	3.24	2.16	1.28	.74	1,000	.49
C3225X7R1E475M	C3225X7R1E475M	4.7	25	20%	2	3.27	2.18	1.29	.74	1,000	.49
C3225X7R1C106M	C3225X7R1C106M	10	16	20%	2	3.31	2.20	1.30	.75	1,000	.36
C3225X7R1E106M	C3225X7R1E106M	10	25	20%	2.5	3.60	2.40	1.42	.65	1,000	.39
perature Coef: X5R											
C3225X5R1A106K	C3225X5R1A106K	10	10	10%	2	2.98	1.98	1.17	.68	1,000	.33
C3225X5R1A106M	C3225X5R1A106M	10	10	20%	2	2.73	1.82	1.07	.62	1,000	.30
C3225X5R1C106M	C3225X5R1C106M	10	16	20%	2	3.31	2.20	1.30	.75	1,000	.36
C3225X5R0J226M	C3225X5R0J226M	22	6.3	20%	2	4.79	3.19	1.89	1.09	1,000	.52
C3225X5R1A226M	C3225X5R1A226M	22	10	20%	2.3	5.76	3.84	2.27	1.31	1,000	.63
C3225X5R1C226M	C3225X5R1C226M	22	16	20%	2.5	2.08	1.39	.82	.47	1,000	.23
C3225X5R0J476M	C3225X5R0J476M	47	6.3	20%	2.5	8.26	5.50	3.25	1.88	1,000	.90
C3225X5R0J107M	C3225X5R0J107M	100	6.3	20%	2.5	11.89	7.92	4.68	2.70	1,000	1.30
perature Coef: Y5V											
C3225Y5V1C106Z	C3225Y5V1C106Z	10	16	+80,-20%	1.25	1.49	.99	.59	.27	2,000	.149
C3225Y5V1E106Z	C3225Y5V1E106Z	10	25	+80,-20%	1.6	1.79	1.19	.70	.41	2,000	.18
C3225Y5V1A226Z	C3225Y5V1A226Z	22	10	+80,-20%	1.15	4.13	2.75	1.63	.90	1,000	.45
C3225Y5V1A476Z	C3225Y5V1A476Z	47	10	+80,-20%	2	11.14	7.43	4.39	2.53	1,000	1.22
C3225Y5V0J107Z	C3225Y5V0J107Z	100	6.3	+80,-20%	2.5	14.86	9.90	5.85	3.38	1,000	1.62

e 1812

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each 1	10	100	500	Reel Qty.	Price Each
mperature Coef: X7R											
-C4532X7R2A105K	C4532X7R2A105K	1	100	10%	2.3	5.28	3.52	2.08	---	500	.57
-C4532X7R2A105M	C4532X7R2A105M	1	100	20%	2.3	5.78	3.85	2.27	---	500	.63
-C4532X7R1H225M	C4532X7R1H225M	2.2	50	20%	1.6	4.46	2.97	1.75	1.01	1,000	.49
-C4532X7R2A225M	C4532X7R2A225M	2.2	100	20%	2.3	5.72	3.81	2.25	---	500	.62
-C4532X7R1E475M	C4532X7R1E475M	4.7	25	20%	1.6	3.72	2.48	1.46	1.24	1,000	.40
-C4532X7R1H475M	C4532X7R1H475M	4.7	50	20%	2	5.05	3.36	1.99	1.15	1,000	.55
-C4532X7R1H685M	C4532X7R1H685M	6.8	50	20%	2.5	9.51	6.34	3.75	---	500	1.04
-C4532X7R1E106M	C4532X7R1E106M	10	25	20%	2.5	6.39	4.26	2.51	---	500	.70
-C4532X7R1C226M	C4532X7R1C226M	22	16	20%	2.5	6.54	4.36	2.57	---	500	.71
mperature Coef: X5R											
-C4532X5R1A226M	C4532X5R1A226M	22	10	20%	2	6.61	4.40	2.60	---	500	.72
-C4532X5R1E226M	C4532X5R1E226M	22	25	20%	2.5	6.68	4.45	2.63	---	500	.73
-C4532X5R1A336M	C4532X5R1A336M	33	10	20%	2	8.17	5.44	3.22	---	500	.89
-C4532X5R1C336M	C4532X5R1C336M	33	16	20%	2.5	8.66	5.77	3.41	---	500	.94
-C4532X5R1A476M	C4532X5R1A476M	47	10	20%	2.8	10.40	6.93	4.09	---	500	1.13
-C4532X5R0J107M	C4532X5R0J107M	100	6.3	20%	2.8	16.51	11.00	6.50	---	500	1.80
mperature Coef: Y5V											
-C4532Y5V1A107Z	C4532Y5V1A107Z	100	10	+80,-20%	2.5	17.83	11.88	7.02	---	500	1.94

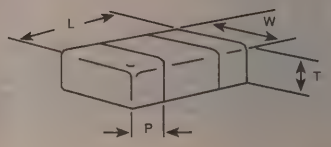
le 2220

MOUSER STOCK NO.	TDK Part No.	Volt (DC)	Value (µF)	Tol.±	Dim. T (mm)	Price Each 1	10	100	500	Reel Qty.	Price Each
mperature Coef: X7R											
-C5750X7R2A475M	C5750X7R2A475M	4.7	100	20%	2.3	8.19	5.45	3.22	---	500	.89
-C5750X7R1H106M	C5750X7R1H106M	10	50	20%	2.3	6.76	4.50	2.66	---	500	.74
-C5750X7R1E226M	C5750X7R1E226M	22	25	20%	2.5	11.89	7.92	4.68	---	500	1.28
mperature Coef: X5R											
-C5750X5R1C476M	C5750X5R1C476M	47	16	20%	2.3	14.56	9.70	5.73	---	500	1.59
-C5750X5R1A686M	C5750X5R1A686M	68	10	20%	2.3	13.56	9.03	5.34	---	500	1.48

VISHAY VITRAMON CERAMIC CHIP CAPACITORS

Applications:
- Consumer electronics
- Telecommunications
- Data processing
- Mobile applications

Features:
- High capacitance per unit volume
- For high frequency applications
- Ni-barrier with 100% tin terminations



Style 0402

For quantities of 1,000 and up, call for qu

MOUSER STOCK NO.	Vishay Part No.	Value (pF)	Volt (DC)	Tol. (%)	Dimensions: In W	L	T	Termination P Min.	Termination P Max.	Price Each 1	Price Each 100	Reel Qty	Pri pe Pie
Temperature Coeff: C0G													
77-VJ0402A1R2CXACBC	VJ0402A1R2CXACW1BC	1.2	50	.25pF	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A1R8CXACBC	VJ0402A1R8CXACW1BC	1.8	50	.25pF	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A2R7CXACBC	VJ0402A2R7CXACW1BC	2.7	50	.25pF	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A3R3CXACBC	VJ0402A3R3CXACW1BC	3.3	50	.25pF	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A5R6DXACBC	VJ0402A5R6DXACW1BC	5.6	50	.5pF	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A8R2DXACBC	VJ0402A8R2DXACW1BC	8.2	50	.5pF	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A100JXACBC	VJ0402A100JXACW1BC	10	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A120JXACBC	VJ0402A120JXACW1BC	12	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A220JXACBC	VJ0402A220JXACW1BC	22	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A330JXACBC	VJ0402A330JXACW1BC	33	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A390JXACBC	VJ0402A390JXACW1BC	39	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A470JXACBC	VJ0402A470JXACW1BC	47	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A560JXACBC	VJ0402A560JXACW1BC	56	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A680JXACBC	VJ0402A680JXACW1BC	68	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
77-VJ0402A101JXACBC	VJ0402A101JXACW1BC	100	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.0
Temperature Coeff: X7R													
77-VJ0402Y221KXACBC	VJ0402Y221KXACW1BC	220	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0
77-VJ0402Y331KXACBC	VJ0402Y331KXACW1BC	330	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0
77-VJ0402Y471KXACBC	VJ0402Y471KXACW1BC	470	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0
77-VJ0402Y561KXACBC	VJ0402Y561KXACW1BC	560	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0
77-VJ0402Y102KXACBC	VJ0402Y102KXACW1BC	1000	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0
77-VJ0402Y152KXACBC	VJ0402Y152KXACW1BC	1500	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0
77-VJ0402Y222KXACBC	VJ0402Y222KXACW1BC	2200	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0
77-VJ0402Y472KXJCBC	VJ0402Y472KXJCW1BC	4700	16	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0
77-VJ0402Y103KXJCBC	VJ0402Y103KXJCW1BC	.01µF	16	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0
Temperature Coeff: Y5V													
77-VJ0402V103ZXJCBC	VJ0402V103ZXJCW1BC	.01µF	16	-20/+80%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0
77-VJ0402V223ZXJCBC	VJ0402V223ZXJCW1BC	.022µF	16	-20/+80%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0
77-VJ0402V333ZXJCBC	VJ0402V333ZXJCW1BC	.033µF	16	-20/+80%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0
77-VJ0402V473ZXJCBC	VJ0402V473ZXJCW1BC	.047µF	16	-20/+80%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0
77-VJ0402V104ZXJCBC	VJ0402V104ZXJCW1BC	.1µF	16	-20/+80%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.0

Style 0603

For quantities of 1,000 and up, call for qu

MOUSER STOCK NO.	Vishay Part No.	Value (pF)	Volt (DC)	Tol. (%)	Dimensions: In W	L	T	Termination P Min.	Termination P Max.	Price Each 1	Price Each 100	Reel Qty	Pri pe Pie
Temperature Coeff: C0G													
77-VJ0603A1R0CXACBC	VJ0603A1R0CXACW1BC	1	50	.25pF	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A3R3CXACBC	VJ0603A3R3CXACW1BC	3.3	50	.25pF	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A3R9CXACBC	VJ0603A3R9CXACW1BC	3.9	50	.25pF	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A100JXACBC	VJ0603A100JXACW1BC	10	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A120JXACBC	VJ0603A120JXACW1BC	12	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A150JXACBC	VJ0603A150JXACW1BC	15	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A180JXACBC	VJ0603A180JXACW1BC	18	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A220JXACBC	VJ0603A220JXACW1BC	22	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A270JXACBC	VJ0603A270JXACW1BC	27	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A330JXACBC	VJ0603A330JXACW1BC	33	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A470JXACBC	VJ0603A470JXACW1BC	47	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A560JXACBC	VJ0603A560JXACW1BC	56	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A680JXACBC	VJ0603A680JXACW1BC	68	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A101JXACBC	VJ0603A101JXACW1BC	100	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.0
77-VJ0603A151JXACBC	VJ0603A151JXACW1BC	150	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.07	.044	4000	.0
77-VJ0603A181JXACBC	VJ0603A181JXACW1BC	180	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.08	.048	4000	.0
77-VJ0603A221JXACBC	VJ0603A221JXACW1BC	220	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.08	.048	4000	.0
77-VJ0603A271JXACBC	VJ0603A271JXACW1BC	270	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.10	.061	4000	.0
77-VJ0603A331JXACBC	VJ0603A331JXACW1BC	330	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.10	.061	4000	.0
77-VJ0603A471JXACBC	VJ0603A471JXACW1BC	470	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.12	.073	4000	.0
77-VJ0603A681JXACBC	VJ0603A681JXACW1BC	680	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.19	.115	4000	.0
Temperature Coeff: X7R													
77-VJ0603Y221KXACBC	VJ0603Y221KXACW1BC	220	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.0
77-VJ0603Y471KXACBC	VJ0603Y471KXACW1BC	470	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.0
77-VJ0603Y561KXACBC	VJ0603Y561KXACW1BC	560	50	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.0
77-VJ0603Y102KXACBC	VJ0603Y102KXACW1BC	1000	50	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.0
77-VJ0603Y222KXACBC	VJ0603Y222KXACW1BC	2200	50	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.0
77-VJ0603Y332KXACBC	VJ0603Y332KXACW1BC	3300	50	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.0
77-VJ0603Y472KXACBC	VJ0603Y472KXACW1BC	4700	50	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.0
77-VJ0603Y103KXACBC	VJ0603Y103KXACW1BC	.01µF	50	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.0
77-VJ0603Y223KXJCBC	VJ0603Y223KXJCW1BC	.022µF	16	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.07	.041	4000	.0
77-VJ0603Y104KXJCBC	VJ0603Y104KXJCW1BC	.1µF	16	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.12	.074	4000	.0
Temperature Coeff: Y5V													
77-VJ0603V104ZXXCBC	VJ0603V104ZXXCW1BC	.1µF	25	-20/+80%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.0

MOUSER ELECTRONICS a tti company (800) 346-6873

VISHAY Vitramon Multilayer Ceramic Chip Capacitors

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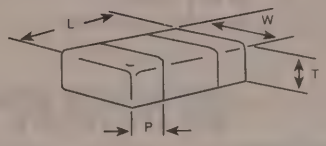

0805

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MOUSER STOCK NO.	Vishay Part No.	Value (pF)	Volt (DC)	Tol. (%)	Dimensions: In W	L	T	Termination P Min.	Termination P Max.	Price Each 1	Price Each 100	Reel Qty	Price per Piece
erature Coeff: C0G													
0805A100JXACBC	VJ0805A100JXACW1BC	10	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805A120JXACBC	VJ0805A120JXACW1BC	12	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805A150JXACBC	VJ0805A150JXACW1BC	15	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805A180JXACBC	VJ0805A180JXACW1BC	18	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805A220JXACBC	VJ0805A220JXACW1BC	22	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805A270JXACBC	VJ0805A270JXACW1BC	27	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805A330JXACBC	VJ0805A330JXACW1BC	33	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805A390JXACBC	VJ0805A390JXACW1BC	39	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805A470JXACBC	VJ0805A470JXACW1BC	47	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805A680JXACBC	VJ0805A680JXACW1BC	68	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805A101JXACBC	VJ0805A101JXACW1BC	100	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805A121JXACBC	VJ0805A121JXACW1BC	120	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.13	.080	4000	.021
0805A151JXACBC	VJ0805A151JXACW1BC	150	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.16	.096	4000	.025
0805A181JXACBC	VJ0805A181JXACW1BC	180	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.16	.096	4000	.025
0805A331JXACBC	VJ0805A331JXACW1BC	330	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.19	.115	4000	.03
0805A471JXACBC	VJ0805A471JXACW1BC	470	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.19	.115	4000	.03
0805A102JXACBC	VJ0805A102JXACW1BC	1000	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.19	.119	4000	.031
erature Coeff: X7R													
0805Y221KXACBC	VJ0805Y221KXACW1BC	220	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805Y471KXACBC	VJ0805Y471KXACW1BC	470	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805Y102KXACBC	VJ0805Y102KXACW1BC	1000	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805Y152KXACBC	VJ0805Y152KXACW1BC	1500	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805Y222KXACBC	VJ0805Y222KXACW1BC	2200	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805Y272KXACBC	VJ0805Y272KXACW1BC	2700	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805Y332KXACBC	VJ0805Y332KXACW1BC	3300	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805Y392KXACBC	VJ0805Y392KXACW1BC	3900	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805Y472KXACBC	VJ0805Y472KXACW1BC	4700	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805Y562KXACBC	VJ0805Y562KXACW1BC	5600	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805Y682KXACBC	VJ0805Y682KXACW1BC	6800	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805Y103JXACBC	VJ0805Y103JXACW1BC	.01μF	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.15	.092	4000	.024
0805Y103KXACBC	VJ0805Y103KXACW1BC	.01μF	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
0805Y103KXBCBC	VJ0805Y103KXBCW1BC	.01μF	100	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.17	.107	4000	.028
0805Y223JXACBC	VJ0805Y223JXACW1BC	.022μF	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.18	.11	4000	.028
0805Y223KXACBC	VJ0805Y223KXACW1BC	.022μF	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.12	.074	4000	.019
0805Y273KXACBC	VJ0805Y273KXACW1BC	.027μF	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.12	.074	4000	.019
0805Y473KXACBC	VJ0805Y473KXACW1BC	.047μF	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.12	.074	4000	.019
0805Y104KXJCBC	VJ0805Y104KXJCBC	.1μF	16	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.13	.08	4000	.021
0805Y104KXXCBC	VJ0805Y104KXXCBC	.1μF	25	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.13	.08	4000	.021
0805Y104JXATBC	VJ0805Y104JXATBC	.1μF	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.21	.127	3000	.033
0805Y104KXATBC	VJ0805Y104KXATBC	.1μF	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.14	.084	3000	.022
0805Y224KXJTBC	VJ0805Y224KXJTBC	.22μF	16	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.18	.11	3000	.026

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For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (pF)	Volt (DC)	Tol. (%)	Dimensions: In W	L	T	Termination P Min.	Termination P Max.	Price Each 1	Price Each 100	Reel Qty	Price per Piece
perature Coeff: C0G													
J1206A3R3CXACBC	VJ1206A3R3CXACW1BC	3.3	50	.25pF	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
J1206A100JXACBC	VJ1206A100JXACW1BC	10	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
J1206A150JXACBC	VJ1206A150JXACW1BC	15	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
J1206A220JXACBC	VJ1206A220JXACW1BC	22	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
J1206A270JXACBC	VJ1206A270JXACW1BC	27	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.18	.11	4000	.026
J1206A270JXBCBC	VJ1206A270JXBCW1BC	27	100	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
J1206A330JXACBC	VJ1206A330JXACW1BC	33	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
J1206A390JXACBC	VJ1206A390JXACW1BC	39	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
J1206A470JXACBC	VJ1206A470JXACW1BC	47	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
J1206A101JXACBC	VJ1206A101JXACW1BC	100	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.20	.12	4000	.03
J1206A181JXBCBC	VJ1206A181JXBCW1BC	180	100	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.22	.13	4000	.033
J1206A471JXACBC	VJ1206A471JXACW1BC	470	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.25	.15	4000	.037
J1206A102JXACBC	VJ1206A102JXACW1BC	1000	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.25	.15	4000	.037
J1206A102JXBCBC	VJ1206A102JXBCW1BC	1000	100	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.31	.19	4000	.046
J1206A152JXACBC	VJ1206A152JXACW1BC	1500	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.36	.21	4000	.053
J1206A222JXACBC	VJ1206A222JXACW1BC	2200	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.38	.23	4000	.056
J1206A332JXACBC	VJ1206A332JXACW1BC	3300	50	5%									
nperature Coeff: X7R													
J1206Y102KXACBC	VJ1206Y102KXACW1BC	1000	50	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.14	.08	4000	.021
J1206Y222KXACBC	VJ1206Y222KXACW1BC	2200	50	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.15	.09	4000	.022
J1206Y332KXACBC	VJ1206Y332KXACW1BC	3300	50	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.15	.09	4000	.022
J1206Y103KXACBC	VJ1206Y103KXACW1BC	.01μF	50	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.15	.09	4000	.022
J1206Y104KXACBC	VJ1206Y104KXACW1BC	.1μF	50	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.17	.10	3000	.025
J1206Y104KXBTBC	VJ1206Y104KXBTW1BC	.1μF	100	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.25	.15	3000	.037
J1206Y224KXATBC	VJ1206Y224KXATW1BC	.22μF	50	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0 01	0.028	.32	.19	3000	.047
J1206Y334KXXTBC	VJ1206Y334KXXTW1BC	.33μF	25	10%									

XICON SMD Multilayer Ceramic Chip Capacitors

XICON™ Passive Components

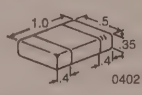
Features:

- Miniature in size, high capacitance to volume ratio
- Standard tape and reel
- High mounting density
- Non-polar design
- 50 volt rating

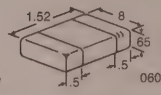
Part Legend: 140 - CC 50 4 N 101 J

- Prefix: 140
- Series: CC
- Volt: 50
- Case: 4
- T.C.: N
- Value: 101
- Tolerance: J

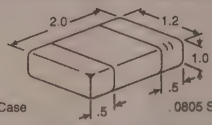
DIMENSIONS (mm)



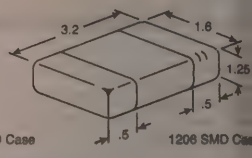
0402 SMD Case



0603 SMD Case



0805 SMD Case



1206 SMD Case

TEMPERATURE COEFFICIENT: NPO -55°C TO 125°C

For quantities of 20+ reels, call for quote.

MOUSER STOCK NO.	Value (pF)	Tol±	Price Each 1	Price Each 100	Reel Qty.	Price Per Piece 10,000	Price Per Piece 20,000	Price Per Piece 50,000
0402 SMD Case 50 Volt								
140-CC505N1.0C	1	.25pf	0.06	0.030	10000	.008	.007	.006
140-CC505N1.5C	1.5	.25pf	0.06	0.030	10000	.008	.007	.006
140-CC505N2.0C	2	.25pf	0.06	0.030	10000	.008	.007	.006
140-CC505N2.2C	2.2	.25pf	0.06	0.030	10000	.008	.007	.006
140-CC505N3.0C	3	.25pf	0.06	0.030	10000	.008	.007	.006
140-CC505N3.3C	3.3	.25pf	0.06	0.030	10000	.008	.007	.006
140-CC505N3.9C	3.9	.25pf	0.06	0.030	10000	.008	.007	.006
140-CC505N4.7C	4.7	.25pf	0.06	0.030	10000	.008	.007	.006
140-CC505N5.0D	5	.5pf	0.06	0.030	10000	.008	.007	.006
140-CC505N6.0D	6	.5pf	0.06	0.030	10000	.008	.007	.006
140-CC505N6.8D	6.8	.5pf	0.06	0.030	10000	.008	.007	.006
140-CC505N7.0D	7	.5pf	0.06	0.030	10000	.008	.007	.006
140-CC505N8.0D	8	.5pf	0.06	0.030	10000	.008	.007	.006
140-CC505N9.0D	9	.5pf	0.06	0.030	10000	.008	.007	.006
140-CC505N100D	10	.5pf	0.06	0.030	10000	.008	.007	.006
140-CC505N120J	12	5%	0.06	0.030	10000	.008	.007	.006
140-CC505N150J	15	5%	0.06	0.030	10000	.008	.007	.006
140-CC505N180J	18	5%	0.06	0.030	10000	.008	.007	.006
140-CC505N220J	22	5%	0.06	0.030	10000	.008	.007	.006
140-CC505N270J	27	5%	0.06	0.030	10000	.008	.007	.006
140-CC505N330J	33	5%	0.06	0.030	10000	.008	.007	.006
140-CC505N390J	39	5%	0.06	0.030	10000	.008	.007	.006
140-CC505N470J	47	5%	0.06	0.030	10000	.008	.007	.006
140-CC505N560J	56	5%	0.06	0.030	10000	.008	.007	.006
140-CC505N680J	68	5%	0.06	0.030	10000	.008	.007	.006
140-CC505N820J	82	5%	0.06	0.030	10000	.008	.007	.006
140-CC505N101J	100	5%	0.06	0.030	10000	.008	.007	.006
140-CC505N121J	120	5%	0.08	0.037	10000	.010	.009	.008
140-CC505N151J	150	5%	0.09	0.041	10000	.011	.010	.009
140-CC505N181J	180	5%	0.10	0.046	10000	.012	.011	.010
140-CC505N221J	220	5%	0.10	0.046	10000	.012	.011	.010
0603 SMD Case 50 Volt						4000	8000	20,000
140-CC504N1.0C	1	.25pf	0.05	0.034	4000	.009	.008	.007
140-CC504N1.5C	1.5	.25pf	0.05	0.034	4000	.009	.008	.007
140-CC504N2.0C	2	.25pf	0.05	0.034	4000	.009	.008	.007
140-CC504N2.2C	2.2	.25pf	0.05	0.034	4000	.009	.008	.007
140-CC504N3.0C	3	.25pf	0.05	0.034	4000	.009	.008	.007
140-CC504N3.3C	3.3	.25pf	0.05	0.034	4000	.009	.008	.007
140-CC504N3.9C	3.9	.25pf	0.05	0.034	4000	.009	.008	.007
140-CC504N4.7C	4.7	.25pf	0.05	0.034	4000	.009	.008	.007
140-CC504N5.0D	5	.5pf	0.05	0.034	4000	.009	.008	.007
140-CC504N6.0D	6	.5pf	0.05	0.034	4000	.009	.008	.007
140-CC504N6.8D	6.8	.5pf	0.05	0.034	4000	.009	.008	.007
140-CC504N8.0D	8	.5pf	0.05	0.034	4000	.009	.008	.007
140-CC504N100D	10	.5pf	0.05	0.034	4000	.009	.008	.007
140-CC504N120J	12	5%	0.05	0.034	4000	.009	.008	.007
140-CC504N150J	15	5%	0.05	0.034	4000	.009	.008	.007
140-CC504N180J	18	5%	0.05	0.034	4000	.009	.008	.007
140-CC504N220J	22	5%	0.05	0.034	4000	.009	.008	.007
140-CC504N270J	27	5%	0.05	0.034	4000	.009	.008	.007
140-CC504N330J	33	5%	0.05	0.034	4000	.009	.008	.007
140-CC504N390J	39	5%	0.05	0.034	4000	.009	.008	.007
140-CC504N470J	47	5%	0.05	0.034	4000	.009	.008	.007
140-CC504N560J	56	5%	0.05	0.034	4000	.009	.008	.007
140-CC504N820J	82	5%	0.05	0.034	4000	.009	.008	.007
140-CC504N101J	100	5%	0.05	0.034	4000	.009	.008	.007
140-CC504N151J	150	5%	0.05	0.034	4000	.009	.008	.007
140-CC504N221J	220	5%	0.05	0.034	4000	.009	.008	.007
0805 SMD Case 50 Volt								
140-CC501N0.5C	0.5	.25pF	0.09	0.038	4000	.014	.013	.012
140-CC501N1.0C	1.0	.25pF	0.09	0.038	4000	.014	.013	.012
140-CC501N1.5C	1.5	.25pF	0.09	0.038	4000	.014	.013	.012
140-CC501N2.0C	2.0	.25pF	0.09	0.038	4000	.014	.013	.012
140-CC501N2.2C	2.2	.25pF	0.09	0.038	4000	.014	.013	.012
140-CC501N3.0C	3.0	.25pF	0.09	0.038	4000	.014	.013	.012
140-CC501N3.3C	3.3	.25pF	0.09	0.038	4000	.014	.013	.012
140-CC501N3.9C	3.9	.25pF	0.09	0.038	4000	.014	.013	.012
140-CC501N4.7C	4.7	.25pF	0.09	0.038	4000	.014	.013	.012
140-CC501N5.0D	5.0	.5pF	0.09	0.038	4000	.014	.013	.012
140-CC501N6.0D	6.0	.5pF	0.09	0.038	4000	.014	.013	.012
140-CC501N6.8D	6.8	.5pF	0.09	0.038	4000	.014	.013	.012
140-CC501N7.0D	7.0	.5pF	0.09	0.038	4000	.014	.013	.012
140-CC501N8.0D	8.0	.5pF	0.09	0.038	4000	.014	.013	.012
140-CC501N100D	10	.5pF	0.06	0.034	4000	.009	.008	.007
140-CC501N120J	12	5%	0.06	0.034	4000	.009	.008	.007
140-CC501N150J	15	5%	0.06	0.034	4000	.009	.008	.007
140-CC501N180J	18	5%	0.06	0.034	4000	.009	.008	.007
140-CC501N220J	22	5%	0.06	0.034	4000	.009	.008	.007
140-CC501N270J	27	5%	0.06	0.034	4000	.009	.008	.007
140-CC501N330J	33	5%	0.06	0.034	4000	.009	.008	.007
140-CC501N390J	39	5%	0.06	0.034	4000	.009	.008	.007
140-CC501N470J	47	5%	0.06	0.034	4000	.009	.008	.007
140-CC501N560J	56	5%	0.06	0.034	4000	.009	.008	.007
140-CC501N680J	68	5%	0.06	0.034	4000	.009	.008	.007
140-CC501N820J	82	5%	0.06	0.034	4000	.009	.008	.007
140-CC501N101J	100	5%	0.06	0.034	4000	.009	.008	.007
140-CC501N121J	120	5%	0.08	0.045	4000	.014	.013	.012
140-CC501N151J	150	5%	0.08	0.045	4000	.014	.013	.012
140-CC501N181J	180	5%	0.08	0.045	4000	.014	.013	.012
140-CC501N221J	220	5%	0.08	0.045	4000	.014	.013	.012
140-CC501N271J	270	5%	0.08	0.045	4000	.014	.013	.012
140-CC501N331J	330	5%	0.08	0.045	4000	.014	.013	.012

TEMPERATURE COEFFICIENT: NPO -55°C TO 125°C CONT.

For quantities of 20+ reels, call for qu

MOUSER STOCK NO.	Value (pF)	Tol±	Price Each 1	Price Each 100	Reel Qty.	Price Per Piece 4000	Price Per Piece 8000	Price Per Piece 200
0805 SMD Case 50 Volt (cont.)								
140-CC501N471J	470	5%	0.08	0.047	4000	.016	.015	.0
140-CC501N561J	560	5%	0.08	0.048	4000	.016	.015	.0
140-CC501N681J	680	5%	0.12	0.058	4000	.020	.020	.0
140-CC501N102J	1000	5%	0.15	0.083	4000	.020	.020	.0

TEMPERATURE COEFFICIENT: X7R -55°C TO 125°C

For quantities of 20+ reels, call for qu

MOUSER STOCK NO.	Value (pF)	Tol±	Price Each 1	Price Each 100	Reel Qty.	Price Per Piece 10,000	Price Per Piece 20,000	Price Per Piece 50,0
0402 SMD Case 50 Volt								
140-CC505B221K	220	10%	0.06	0.037	10000	.018	.010	.0
140-CC505B271K	270	10%	0.06	0.037	10000	.018	.010	.0
140-CC505B331K	330	10%	0.06	0.037	10000	.018	.010	.0
140-CC505B391K	390	10%	0.06	0.037	10000	.018	.010	.0
140-CC505B471K	470	10%	0.06	0.037	10000	.018	.010	.0
140-CC505B561K	560	10%	0.06	0.037	10000	.018	.010	.0
140-CC505B681K	680	10%	0.06	0.037	10000	.018	.010	.0
140-CC505B821K	820	10%	0.06	0.037	10000	.018	.010	.0
140-CC505B102K	1000	10%	0.06	0.037	10000	.018	.010	.0
0402 SMD Case 25 Volt								
140-CC255B122K	1200	10%	0.06	0.037	10000	.018	.010	.0
140-CC255B152K	1500	10%	0.06	0.037	10000	.018	.010	.0
140-CC255B182K	1800	10%	0.06	0.037	10000	.018	.010	.0
140-CC255B222K	2200	10%	0.06	0.037	10000	.018	.010	.0
140-CC255B272K	2700	10%	0.06	0.037	10000	.018	.010	.0
140-CC255B332K	3300	10%	0.06	0.037	10000	.018	.010	.0
140-CC255B392K	3900	10%	0.06	0.037	10000	.018	.010	.0
140-CC255B472K	4700	10%	0.06	0.037	10000	.018	.010	.0
140-CC255B562K	5600	10%	0.07	0.045	10000	.021	.011	.0
140-CC255B682K	6800	10%	0.07	0.045	10000	.021	.011	.0
140-CC255B822K	8200	10%	0.07	0.045	10000	.021	.011	.0
140-CC255B103K	.01µF	10%	0.08	0.049	10000	.023	.012	.0
0603 SMD Case 50 Volt						4,000	8,000	20,0
140-CC504B471K	470	10%	0.05	0.028	4000	.008	.007	.0
140-CC504B102K	1000	10%	0.05	0.028	4000	.008	.007	.0
140-CC504B152K	1500	10%	0.05	0.028	4000	.008	.007	.0
140-CC504B472K	4700	10%	0.05	0.028	4000	.008	.007	.0
140-CC504B103K	.01µF	10%	0.05	0.032	4000	.008	.007	.0
0805 SMD Case 50 Volt								
140-CC501B221K	220	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B271K	270	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B331K	330	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B471K	470	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B561K	560	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B102K	1000	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B122K	1200	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B152K	1500	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B182K	1800	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B222K	2200	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B272K	2700	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B332K	3300	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B392K	3900	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B472K	4700	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B562K	5600	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B682K	6800	10%	0.04	0.027	4000	.008	.007	.0
140-CC501B103K	.01µF	10%	0.06	0.035	4000	.008	.007	.0
140-CC501B223K	.022µF	10%	0.08	0.043	4000	.011	.010	.0
140-CC501B473K	.047µF	10%	0.1	0.054	4000	.011	.010	.0
140-CC501B104K	.1µF	10%	0.1	0.054	4000	.011	.010	.0
1206 SMD Case 50 Volt								
140-CC502B391K	390	10%	0.07	0.05	4000	.020	.019	.0
140-CC502B471K	470	10%	0.07	0.05	4000	.020	.019	.0
140-CC502B681K	680	10%	0.07	0.05	4000	.020	.019	.0
140-CC502B102K	1000	10%	0.07	0.05	4000	.020	.019	.0
140-CC502B222K	2200	10%	0.08	0.05	4000	.020	.019	.0
140-CC502B332K	3300	10%	0.08	0.05	4000	.020	.019	.0
140-CC502B472K	4700	10%	0.08	0.05	4000	.020	.019	.0
140-CC502B103K	.01µF	10%	0.08	0.05	4000	.020	.019	.0
140-CC502B223K	.022µF	10%	0.09	0.059	4000	.023	.021	.0
140-CC502B273K	.027µF	10%	0.09	0.059	4000	.023	.021	.0
140-CC502B333K	.033µF	10%	0.09	0.059	4000	.023	.021	.0
140-CC502B473K	.047µF	10%	0.09	0.059	4000	.023	.021	.0
140-CC502B683K	.068µF	10%	0.09	0.059	4000	.023	.021	.0
140-CC502B104K	.1µF	10%	0.09	0.059	4000	.023	.021	.0

TEMPERATURE COEFFICIENT: Z5U -25°C TO 85°C

For quantities of 20+ reels, call for qu

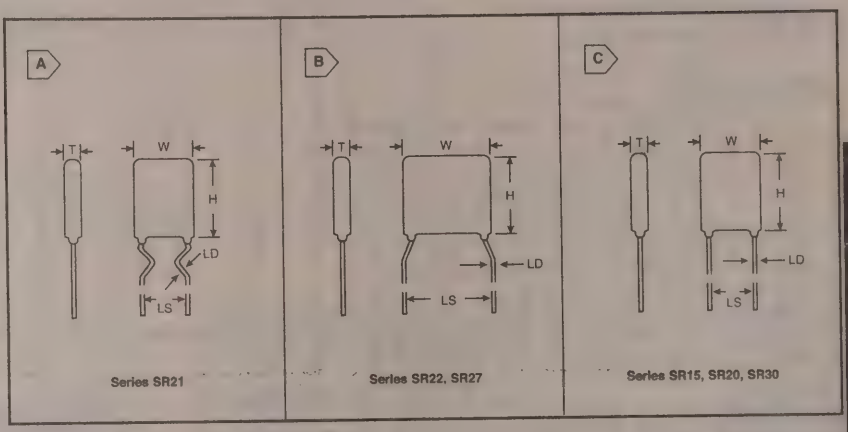
MOUSER STOCK NO.	Value (pF)	Tol±	Price Each 1	Price Each 100	Reel Qty.	Price Per Piece 4000	Price Per Piece 8000	Price Per Piece 200
0805 SMD Case 50 Volt								
140-CC501Z103M	.01µF	20%	0.07	0.03	4000	.023	.022	.0
140-CC501Z333M	.033µF	20%	0.07	0.03	4000	.026	.024	.0
140-CC501Z393M	.039µF	20%	0.06	0.03	4000	.026	.024	.0
140-CC501Z473M	.047µF	20%	0.07	0.03	4000	.026	.024	.0
140-CC501Z104M	.1µF	20%	0.07	0.042	4000	.019	.016	.0
1206 SMD Case 50 Volt								
140-CC502Z104M	.1µF	20%	0.09	0.064	4000	.032	.028	.0
140-CC502Z224M	.22µF	20%	0.15	0.095	4000	.062	.057	.0

SKYCAP® SR SERIES RADIAL CONFORMAL COATED CERAMIC CAPACITORS

lications:
rmally Coated Radial Leaded MLC
erature Coefficients: C0G (NP0), X7R, Z5U
Material: Epoxy
Material: 24 AWG solid copper-plated

ISIONS mm (IN.)

Style	SR15	SR20	SR21	SR22	SR27	SR30
W) Width	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.604 (0.260)	7.62 (0.300)
H) Height	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)
T) kness	2.54 (0.100)	3.175 (0.125)	3.175 (0.125)	3.175 (0.125)	4.06 (0.160)	3.81 (0.150)
LS.) Spacing	2.54 (0.100)	2.54 (0.100)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)	5.08 (0.200)
LD.) d Dia.	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)



For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Value (pF)	Tol. (%)	Price Each 1	100	500	1000
olts								
SR275A100J	SR275A100JAA	B	10	5	.33	.27	.22	.17
SR215A180J	SR215A180JAA	A	18	5	.26	.21	.17	.14
SR215A270J	SR215A270JAA	A	27	5	.33	.27	.22	.17
SR215A151J	SR215A151JAA	A	150	5	.33	.27	.22	.17
SR215A221K	SR215A221KAA	A	220	10	.26	.21	.17	.14
SR215A391J	SR215A391JAA	A	390	5	.33	.27	.22	.17
SR215A102J	SR215A102JAA	A	1000	5	.36	.30	.24	.19
SR215A102K	SR215A102KAA	A	1000	10	.29	.24	.20	.16
Volts								
SR211A100J	SR211A100JAA	A	10	5	.26	.21	.17	.14
SR151A100J	SR151A100JAA	C	10	5	.23	.18	.15	.12
SR211A120J	SR211A120JAA	A	12	5	.26	.21	.17	.14
SR151A120J	SR151A120JAA	C	12	5	.23	.18	.15	.12
SR211A150J	SR211A150JAA	A	15	5	.26	.21	.17	.14
SR151A150J	SR151A150JAA	C	15	5	.23	.18	.15	.12
SR211A150K	SR211A150KAA	A	15	10	.19	.16	.13	.10
SR211A180J	SR211A180JAA	A	18	5	.26	.21	.17	.14
SR151A180J	SR151A180JAA	C	18	5	.23	.18	.15	.12
SR211A220J	SR211A220JAA	A	22	5	.26	.21	.17	.14
SR221A220J	SR221A220JAA	B	22	5	.33	.27	.21	.17
SR151A220J	SR151A220JAA	C	22	5	.23	.18	.15	.12
SR271A220K	SR271A220KAA	B	22	10	.28	.24	.19	.15
SR211A270J	SR211A270JAA	A	27	5	.33	.27	.22	.17
SR151A270J	SR151A270JAA	C	27	5	.23	.18	.15	.12
SR211A330J	SR211A330JAA	A	33	5	.33	.27	.22	.17
SR151A330J	SR151A330JAA	C	33	5	.23	.18	.15	.12
SR151A390J	SR151A390JAA	C	39	5	.23	.18	.15	.12
SR211A470J	SR211A470JAA	A	47	5	.33	.27	.22	.17
SR151A470J	SR151A470JAA	C	47	5	.23	.18	.15	.12
SR211A470K	SR211A470KAA	A	47	10	.23	.19	.15	.12
SR211A560J	SR211A560JAA	A	56	5	.33	.27	.22	.17
SR151A560J	SR151A560JAA	C	56	5	.23	.18	.15	.12
SR211A560K	SR211A560KAA	A	56	10	.23	.19	.15	.12
SR151A680J	SR151A680JAA	C	68	5	.23	.18	.15	.12
SR211A680K	SR211A680KAA	A	68	10	.23	.18	.15	.12
SR211A820J	SR211A820JAA	A	82	5	.33	.27	.22	.17
SR151A820J	SR151A820JAA	C	82	5	.23	.18	.15	.12
SR211A101J	SR211A101JAA	A	100	5	.33	.27	.22	.17
SR151A101J	SR151A101JAA	C	100	5	.15	.12	.10	.08
SR211A101K	SR211A101KAA	A	100	10	.26	.21	.17	.14
SR151A121J	SR151A121JAA	C	120	5	.26	.21	.17	.14
SR151A151J	SR151A151JAA	C	150	5	.26	.21	.17	.14
SR211A181J	SR211A181JAA	A	180	5	.33	.27	.22	.17
SR151A181J	SR151A181JAA	C	180	5	.26	.21	.17	.14
SR211A221J	SR211A221JAA	A	220	5	.33	.27	.22	.17
SR151A221J	SR151A221JAA	C	220	5	.26	.21	.17	.14
SR151A271J	SR151A271JAA	C	270	5	.26	.21	.17	.14
SR211A331J	SR211A331JAA	A	330	5	.33	.27	.22	.17
SR271A331J	SR271A331JAA	B	330	5	.41	.34	.27	.22
SR151A331J	SR151A331JAA	C	330	5	.26	.21	.17	.14
SR151A391J	SR151A391JAA	C	390	5	.26	.21	.17	.14
SR211A471J	SR211A471JAA	A	470	5	.33	.27	.22	.17
SR271A471J	SR271A471JAA	B	470	5	.41	.34	.27	.22
SR151A471J	SR151A471JAA	C	470	5	.29	.23	.19	.15
SR211A471K	SR211A471KAA	A	470	10	.26	.21	.17	.14
SR211A561J	SR211A561JAA	A	560	5	.33	.27	.22	.17
SR151A561J	SR151A561JAA	C	560	5	.33	.27	.22	.17

C0G (cont.)

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Value (pF)	Tol. (%)	Price Each 1	100	500	1000
100 Volts (cont.)								
581-SR211A561K	SR211A561KAA	A	560	10	.26	.21	.17	.14
581-SR271A471K	SR271A471KAA	B	570	10	.33	.27	.22	.17
581-SR211A681J	SR211A681JAA	A	680	5	.33	.27	.22	.17
581-SR151A681J	SR151A681JAA	C	680	5	.33	.26	.22	.17
581-SR271A681K	SR271A681KAA	B	680	10	.33	.27	.22	.17
581-SR211A102J	SR211A102JAA	A	1000	5	.17	.14	.11	.09
581-SR221A102J	SR221A102JAA	B	1000	5	.45	.38	.30	.24
581-SR201A102J	SR201A102JAA	C	1000	5	.19	.15	.12	.10
581-SR211A102K	SR211A102KAA	A	1000	10	.29	.24	.20	.16
581-SR201A122J	SR201A122JAA	C	1200	5	.40	.32	.27	.21
581-SR211A152J	SR211A152JAA	A	1500	5	.66	.52	.44	.35
581-SR201A152J	SR201A152JAA	C	1500	5	.55	.44	.36	.29
581-SR211A152K	SR211A152KAA	A	1500	10	.33	.27	.22	.17
581-SR201A182J	SR201A182JAA	C	1800	5	.62	.49	.41	.33
581-SR211A222J	SR211A222JAA	A	2200	5	.66	.52	.44	.35
581-SR201A222J	SR201A222JAA	C	2200	5	.66	.52	.44	.35
581-SR201A332J	SR201A332JAA	C	3300	5	.72	.58	.48	.39
581-SR211A472J	SR211A472JAA	A	4700	5	.76	.63	.51	.40
581-SR201A472J	SR201A472JAA	C	4700	5	.76	.61	.51	.40
581-SR211A472K	SR211A472KAA	A	4700	10	.58	.49	.39	.31
581-SR201A562J	SR201A562JAA	C	5600	5	.80	.64	.53	.43
581-SR301A682J	SR301A682JAA	C	6800	5	1.06	.84	.70	.56
581-SR301A822J	SR301A822JAA	C	8200	5	1.06	.84	.70	.56
581-SR301A103J	SR301A103JAA	C	.01μF	5	.80	.64	.53	.42
581-SR301A183J	SR301A183JAA	C	.018μF	5	1.46	1.16	.97	.78
581-SR301A223J	SR301A223JAA	C	.022μF	5	1.64	1.31	1.09	.87
200 Volts								
581-SR222A120J	SR222A120JAA	B	12	5	.33	.27	.22	.17
581-SR222A150J	SR222A150JAA	B	15	5	.41	.34	.27	.22
581-SR222A270J	SR222A270JAA	B	27	5	.41	.34	.27	.22
581-SR222A330J	SR222A330JAA	B	33	5	.41	.34	.27	.22
581-SR222A470J	SR222A470JAA	B	47	5	.41	.34	.27	.22
581-SR222A101J	SR222A101JAA	B	100	5	.41	.34	.27	.22

X7R

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Value (μF)	Tol. (%)	Price Each 1	100	500	1000
50 Volts								
581-SR215C222K	SR215C222KAA	A	2200pF	10	.24	.20	.16	.13
581-SR215C682K	SR215C682KAA	A	6800pF	10	.24	.20	.16	.13
581-SR215C103J	SR215C103JAA	A	.01	5	.36	.30	.24	.19
581-SR215C103K	SR215C103KAA	A	.01	10	.24	.20	.16	.13
581-SR225C103K	SR225C103KAA	B	.01	10	.26	.22	.17	.14
581-SR275C103K	SR275C103KAA	B	.01	10	.26	.22	.17	.14
581-SR215C103M	SR215C103MAA	A	.01	20	.22	.18	.15	.12
581-SR215C153K	SR215C153KAA	A	.015	10	.24	.20	.16	.13
581-SR215C223K	SR215C223KAA	A	.022	10	.24	.20	.16	.13
581-SR155C223K	SR155C223KAA	C	.022	10	.18	.15	.12	.10
581-SR215C333K	SR215C333KAA	A	.033	10	.24	.20	.16	.13
581-SR215C473J	SR215C473JAA	A	.047	5	.38	.32	.25	.20
581-SR215C473K	SR215C473KAA	A	.047	10	.26	.21	.17	.14
581-SR205C473K	SR205C473KAA	C	.047	10	.28	.22	.18	.15
581-SR215C104J	SR215C104JAA	A	.1	5	.41	.34	.27	.22
581-SR215C104K	SR215C104KAA	A	.1	10	.14	.12	.09	.08
581-SR225C104K	SR225C104KAA	B	.1	10	.34	.28	.23	.18
581-SR275C104K	SR275C104KAA	B	.1	10	.34	.28	.23	.18

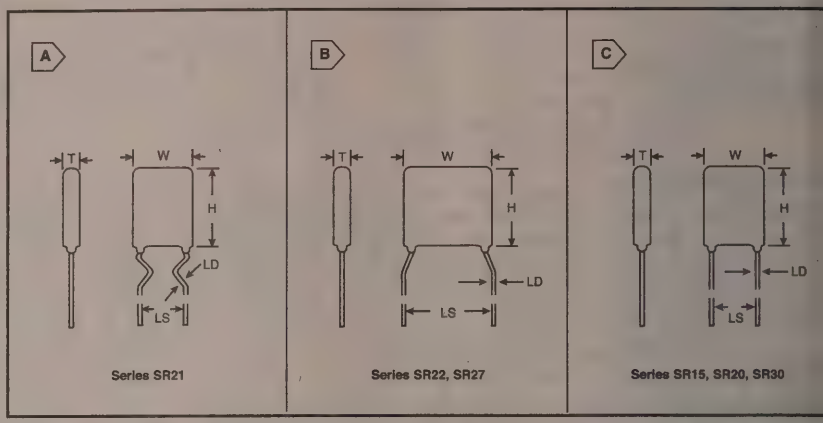
AVX Ceramic Capacitors

AVX SKYCAP® SR SERIES RADIAL MULTILAYER CERAMIC CAPACITORS (CONT.)

Specifications:
- Conformally Coated Radial Leaded MLC
- Temperature Coefficients: C0G (NP0), X7R, Z5U
- Case Material: Epoxy
- Lead Material: Solderable 24 AWG solid copper

DIMENSIONS mm (IN.)

AVX Style	SR15	SR20	SR21	SR22	SR27	SR30
(W) Width	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.604 (0.260)	7.62 (0.300)
(H) Height	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)
(T) Thickness	2.54 (0.100)	3.175 (0.125)	3.175 (0.125)	3.175 (0.125)	4.06 (0.160)	3.81 (0.150)
(L.S.) Lead Spacing	2.54 (0.100)	2.54 (0.100)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)	5.08 (0.200)
(L.D.) Lead Dia.	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)



X7R (Cont.)

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (μf)	Tol. (%)	Price Each 1	100	500	1000
581-SR215C104M	SR215C104MAA	A	0.100	20	.26	.21	.17	.14
581-SR215C154J	SR215C154JAA	A	0.150	5	.72	.60	.48	.39
581-SR215C154K	SR215C154KAA	A	0.150	10	.52	.43	.35	.28
581-SR215C224K	SR215C224KAA	A	0.220	10	.33	.28	.22	.18
581-SR225C224K	SR225C224KAA	B	0.220	10	.80	.66	.53	.43
581-SR215C224M	SR215C224MAA	A	0.220	20	.62	.51	.41	.33
581-SR305C105K	SR305C105KAA	C	1.000	10	1.05	.84	.70	.56
100 Volts								
581-SR211C471K	SR211C471KAA	A	470pF	10	.24	.20	.16	.13
581-SR211C102J	SR211C102JAA	A	1000pF	5	.33	.27	.22	.17
581-SR211C102K	SR211C102KAA	A	1000pF	10	.13	.11	.09	.07
581-SR221C102K	SR221C102KAA	B	1000pF	10	.27	.23	.18	.14
581-SR211C152J	SR211C152JAA	A	1500pF	5	.33	.27	.22	.17
581-SR211C152K	SR211C152KAA	A	1500pF	10	.24	.20	.16	.13
581-SR211C222J	SR211C222JAA	A	2200pF	5	.33	.27	.22	.17
581-SR211C222K	SR211C222KAA	A	2200pF	10	.24	.20	.16	.13
581-SR221C222K	SR221C222KAA	B	2200pF	10	.27	.23	.18	.14
581-SR151C222K	SR151C222KAA	C	2200pF	10	.18	.15	.12	.10
581-SR211C472K	SR211C472KAA	A	4700pF	10	.24	.20	.16	.13
581-SR151C472K	SR151C472KAA	C	4700pF	10	.20	.16	.13	.11
581-SR211C472M	SR211C472MAA	A	4700pF	20	.20	.17	.13	.11
581-SR211C103J	SR211C103JAA	A	0.010	5	.35	.29	.23	.18
581-SR211C103K	SR211C103KAA	A	0.010	10	.12	.10	.08	.06
581-SR221C103K	SR221C103KAA	B	0.010	10	.26	.22	.17	.14
581-SR271C103K	SR271C103KAA	B	0.010	10	.36	.30	.24	.19
581-SR151C103K	SR151C103KAA	C	0.010	10	.13	.11	.09	.07
581-SR221C103M	SR221C103MAA	B	0.010	20	.26	.22	.17	.14
581-SR201C153K	SR201C153KAA	A	0.015	10	.26	.22	.17	.14
581-SR211C223J	SR211C223JAA	A	0.022	5	.38	.32	.26	.20
581-SR211C223K	SR211C223KAA	A	0.022	10	.26	.22	.17	.14
581-SR201C223K	SR201C223KAA	C	0.022	10	.26	.22	.17	.14
581-SR211C333K	SR211C333KAA	A	0.033	10	.26	.22	.17	.14
581-SR201C333K	SR201C333KAA	C	0.033	10	.26	.22	.17	.14
581-SR211C473K	SR211C473KAA	A	0.047	10	.27	.22	.18	.15
581-SR221C473K	SR221C473KAA	B	0.047	10	.34	.28	.23	.18
581-SR201C473K	SR201C473KAA	C	0.047	10	.27	.22	.18	.15
581-SR211C473M	SR211C473MAA	A	0.047	20	.26	.22	.17	.14
581-SR201C683K	SR201C683KAA	C	0.068	10	.30	.24	.20	.16
581-SR211C104J	SR211C104JAA	A	0.100	5	.44	.37	.29	.23
581-SR211C104K	SR211C104KAA	A	0.100	10	.16	.13	.11	.09
581-SR221C104K	SR221C104KAA	B	0.100	10	.36	.30	.24	.19

X7R (cont.)

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (μF)	Tol. (%)	Price Each 1	100	500	10
581-SR271C104K	SR271C104KAA	B	0.100	10	.36	.30	.24	.
581-SR201C104K	SR201C104KAA	C	0.100	10	.18	.14	.12	.
581-SR301C154K	SR301C154KAA	C	0.150	10	.72	.58	.48	.
581-SR301C224K	SR301C224KAA	C	0.220	10	.82	.65	.55	.
581-SR301C334K	SR301C334KAA	C	0.330	10	1.27	1.02	.85	.
200 Volts								
581-SR152C102K	SR152C102KAA	C	1000pF	10	0.37	0.29	0.24	0.

Z5U

For quantities of 2000 and up, call for qu

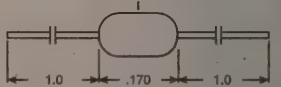
MOUSER STOCK NO.	AVX Part No.	Fig.	Value (μF)	Tol. (%)	Price Each 1	100	500	10
50 Volts								
581-SR225E103M	SR225E103MAA	B	.01	20	.23	.19	.15	.
581-SR275E103M	SR275E103MAA	B	.01	20	.23	.19	.15	.
581-SR215E473M	SR215E473MAA	A	.047	20	.22	.18	.14	.
581-SR225E473M	SR225E473MAA	B	.047	20	.23	.19	.15	.
581-SR215E104M	SR215E104MAA	A	0.100	20	.09	.08	.07	.
581-SR225E104M	SR225E104MAA	B	0.100	20	.22	.18	.14	.
581-SR275E104M	SR275E104MAA	B	0.100	20	.22	.18	.14	.
581-SR155E104M	SR155E104MAA	C	0.10	20	.19	.15	.13	.
581-SR205E104M	SR205E104MAA	C	0.100	20	.08	.07	.06	.
581-SR215E224M	SR215E224MAA	A	0.220	20	.25	.21	.17	.
581-SR225E224M	SR225E224MAA	B	0.220	20	.31	.26	.21	.
581-SR275E224M	SR275E224MAA	B	0.220	20	.31	.26	.21	.
581-SR205E224M	SR205E224MAA	C	0.220	20	.25	.20	.17	.
581-SR215E334M	SR215E334MAA	A	0.330	20	.22	.18	.14	.
581-SR275E334M	SR275E334MAA	B	0.330	20	.36	.30	.24	.
581-SR225E474M	SR225E474MAA	B	0.470	20	.43	.36	.29	.
581-SR205E474M	SR205E474MAA	C	0.470	20	.35	.28	.23	.
581-SR215E105M	SR215E105MAA	A	1.000	20	.35	.28	.23	.
100 Volts								
581-SR211E103M	SR211E103MAA	A	0.010	20	.18	.15	.12	.
581-SR221E103M	SR221E103MAA	B	0.010	20	.23	.19	.15	.
581-SR271E103M	SR271E103MAA	B	0.010	20	.23	.19	.15	.
581-SR151E103M	SR151E103MAA	C	0.010	20	.17	.14	.12	.
581-SR211E104M	SR211E104MAA	A	0.100	20	.15	.12	.10	.
581-SR221E104M	SR221E104MAA	B	0.100	20	.30	.25	.20	.
581-SR271E104M	SR271E104MAA	B	0.100	20	.30	.25	.20	.
581-SR271E224M	SR271E224MAA	B	0.220	20	.53	.45	.36	.
581-SR301E105M	SR301E105MAA	C	1.000	20	.63	.50	.42	.

SA SERIES AXIAL MULTILAYER CERAMIC CAPACITORS

Parts packaged on tape. Full 7,500 piece reels available upon request.

Specifications:
- Conformally Coated Radial Leaded MLC
- Temperature Coefficients: C0G (NP0), X7R, Z5U
- Case Material: Epoxy (Flame Retardant to UL Bulletin 492, Par. 280)
- Lead Material: Solderable

DIMENSIONS (IN.)



C0G

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Volt (DC)	Value (pF)	Price Each 1	100	500	1000
Tolerance 5%						
581-SA102A100J	200	10	.13	.11	.10	.08
581-SA102A150J	200	15	.19	.16	.14	.13
581-SA102A220J	200	22	.13	.11	.10	.08
581-SA102A470J	200	47	.19	.16	.14	.13
581-SA102A560J	200	56	.19	.16	.14	.13
581-SA102A101J	200	100	.13	.11	.10	.08
581-SA101A221J	100	220	.20	.16	.15	.13
581-SA101A471J	100	470	.13	.11	.10	.08
581-SA101A561J	100	560	.20	.17	.15	.13
581-SA101A102J	100	1000	.23	.19	.17	.15

X7R

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Volt (DC)	Value (pF)	Price Each 1	100	500	1000
Tolerance 10%						
581-SA101C102K	100	1000	.08	.07	.06	.05
581-SA101C122K	100	1200	.18	.15	.13	.12
581-SA101C222K	100	2200	.18	.15	.13	.12
581-SA101C332K	100	3300	.18	.15	.13	.12
581-SA101C472K	100	4700	.09	.08	.07	.06
581-SA101C103K	100	.01μF	.09	.08	.07	.06
581-SA101C223K	100	.022μF	.39	.33	.29	.26
581-SA105C333K	50	.033μF	.23	.19	.17	.15

Z5U

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Volt (DC)	Value (μF)	Price Each 1	100	500	1
Tolerance 20%						
581-SA105E103M	50	.010	.08	.07	.06	.
581-SA105E223M	50	.022	.14	.12	.11	.
581-SA105E333M	50	.033	.14	.12	.11	.
581-SA105E473M	50	.047	.14	.12	.11	.
581-SA105E563M	50	.056	.14	.12	.11	.
581-SA105E104M	50	.100	.08	.07	.06	.
581-SA105E154M	50	.150	.21	.17	.16	.
581-SA105E224M	50	.220	.28	.23	.21	.

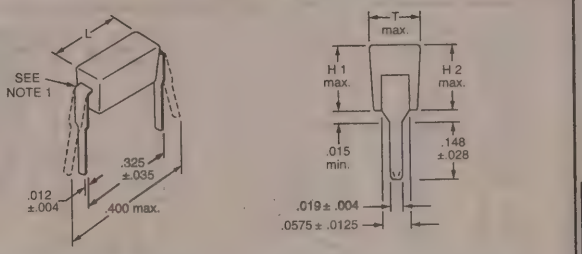
MOUSER ELECTRONICS a ttl company (800) 346-6873

X DIPGUARD® MD01 SERIES MOLDED DIP LEAD

fications:

- inline package
- olts
- rance: ±10%, ±20%
- Operating Temp.: -55°C to +125°C (C0G, X7R)
- Operating Temp.: -10°C to +85°C (Z5U)
- Dielectric C0G (NP0), X7R, Z5U

DIMENSIONS (IN.)



Length (L)	Height (H1)	Height (H2)	Thickness
6.60 (.260±.020)	3.43 (.135 max)	4.19 (.165 max)	2.54 (.098 max)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coeff.	Value (pF)	Tol. (%)	Price Each 1	25	50	100
-MD015A100K	MD015A100KAB	C0G	10	10	.58	.48	.43	.39
-MD015A150K	MD015A150KAB	C0G	15	10	.58	.48	.43	.39
-MD015A220K	MD015A220KAB	C0G	22	10	.58	.48	.43	.39
-MD015A330K	MD015A330KAB	C0G	33	10	.58	.48	.43	.39
-MD015A470K	MD015A470KAB	C0G	47	10	.58	.48	.43	.39
-MD015A680K	MD015A680KAB	C0G	68	10	.58	.48	.43	.39
-MD015A101K	MD015A101KAB	C0G	100	10	.58	.48	.43	.39
-MD015A151K	MD015A151KAB	C0G	150	10	.58	.48	.43	.39
-MD015A221K	MD015A221KAB	C0G	220	10	.58	.48	.43	.39
-MD015A331K	MD015A331KAB	C0G	330	10	.58	.48	.43	.39
-MD015A471K	MD015A471KAB	C0G	470	10	.64	.53	.48	.43
-MD015A681K	MD015A681KAB	C0G	680	10	.64	.53	.48	.43
-MD015A102K	MD015A102KAB	C0G	1000	10	.64	.53	.48	.43
-MD015A152K	MD015A152KAB	C0G	1500	10	.75	.63	.36	.50
-MD015A222K	MD015A222KAB	C0G	2200	10	.75	.63	.36	.50
-MD015A332K	MD015A332KAB	C0G	3300	10	1.16	.96	.87	.77
-MD015A472K	MD015A472KAB	C0G	4700	10	1.16	.96	.87	.77
-MD015C152K	MD015C152KAB	X7R	1500	10	.64	.53	.48	.43
-MD015C222K	MD015C222KAB	X7R	2200	10	.64	.53	.48	.43

For quantities of 200 and up, call for quote.

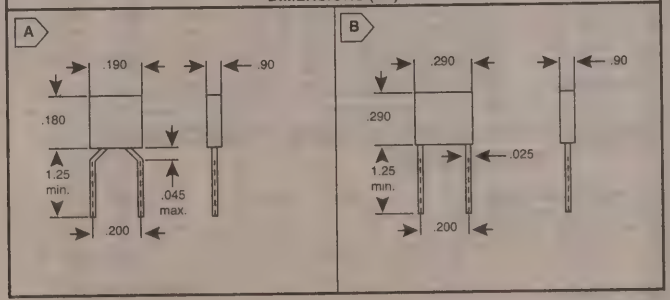
MOUSER STOCK NO.	AVX Part No.	Temp. Coeff.	Value (pF)	Tol. (%)	Price Each 1	25	50	100
581-MD015C332K	MD015C332KAB	X7R	3300	10	.72	.60	.54	.48
581-MD015C472K	MD015C472KAB	X7R	4700	10	.64	.53	.48	.43
581-MD015C682K	MD015C682KAB	X7R	6800	10	.72	.60	.54	.48
581-MD011C103K	MD011C103KAB	X7R	.01µF	10	.52	.43	.39	.35
581-MD015C153K	MD015C153KAB	X7R	.015µF	10	.85	.71	.64	.57
581-MD015C223K	MD015C223KAB	X7R	.022µF	10	.85	.71	.64	.57
581-MD015C333K	MD015C333KAB	X7R	.033µF	10	.85	.71	.64	.57
581-MD015C473K	MD015C473KAB	X7R	.047µF	10	.85	.71	.64	.57
581-MD015C683K	MD015C683KAB	X7R	.068µF	10	.85	.71	.64	.57
581-MD015C104K	MD015C104KAB	X7R	.1µF	10	.36	.30	.27	.24
581-MD015E103Z	MD015E103ZAB	Z5U	.01µF	20	.36	.30	.27	.24
581-MD015E153M	MD015E153MAB	Z5U	.015µF	20	.58	.48	.43	.39
581-MD015E223M	MD015E223MAB	Z5U	.022µF	20	.58	.48	.43	.39
581-MD015E333M	MD015E333MAB	Z5U	.033µF	20	.58	.48	.43	.39
581-MD015E473Z	MD015E473ZAB	Z5U	.047µF	20	.43	.36	.32	.29
581-MD015E104Z	MD015E104ZAB	Z5U	.1µF	20	.64	.53	.48	.43
581-MD015E154Z	MD015E154ZAB	Z5U	.15µF	20	.60	.50	.45	.40
581-MD015E224Z	MD015E224ZAB	Z5U	.22µF	20	.60	.50	.45	.40
581-MD015E334Z	MD015E334ZAB	Z5U	.33µF	20	.78	.65	.59	.52

X CK05 AND CK06 SERIES CERAMIC RADIAL LEAD

cifications:

- neral purpose
- erance: ±10%
- erating Temperature: -55°C to +125°C
- olded Case
- eets MIL Spec MIL-C-11015/
- X = X7R

DIMENSIONS (IN.)



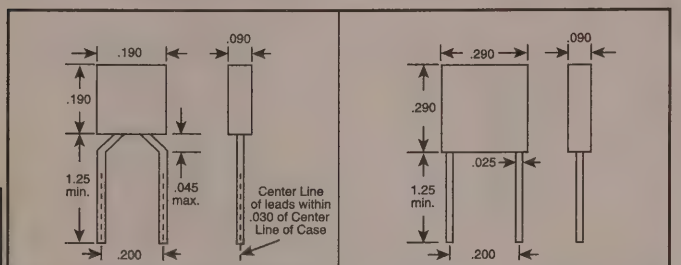
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (pF)	Volt (DC)	Price Each 1	100	500	1000
1-CK05BX100K	CK05BX100K	A	10	200	.30	.20	.18	.16
1-CK05BX120K	CK05BX120K	A	12	200	.30	.20	.18	.16
1-CK05BX150K	CK05BX150K	A	15	200	.30	.20	.18	.16
1-CK05BX180K	CK05BX180K	A	18	200	.30	.20	.18	.16
1-CK05BX220K	CK05BX220K	A	22	200	.30	.20	.18	.16
1-CK05BX270K	CK05BX270K	A	27	200	.30	.20	.18	.16
1-CK05BX330K	CK05BX330K	A	33	200	.30	.20	.18	.16
1-CK05BX470K	CK05BX470K	A	47	200	.30	.20	.18	.16
1-CK05BX560K	CK05BX560K	A	56	200	.30	.20	.18	.16
1-CK05BX680K	CK05BX680K	A	68	200	.30	.20	.18	.16
1-CK05BX820K	CK05BX820K	A	82	200	.30	.20	.18	.16
1-CK05BX101K	CK05BX101K	A	100	200	.30	.20	.18	.16
1-CK05BX121K	CK05BX121K	A	120	200	.30	.20	.18	.16
1-CK05BX151K	CK05BX151K	A	150	200	.30	.20	.18	.16
1-CK05BX221K	CK05BX221K	A	220	200	.30	.20	.18	.16
1-CK05BX331K	CK05BX331K	A	330	200	.30	.20	.18	.16
1-CK05BX391K	CK05BX391K	A	390	200	.30	.20	.18	.16
1-CK05BX471K	CK05BX471K	A	470	200	.30	.20	.18	.16
1-CK05BX821K	CK05BX821K	A	820	200	.30	.20	.18	.16
1-CK05BX102K	CK05BX102K	A	1000	200	.30	.20	.18	.16
1-CK05BX152K	CK05BX152K	A	1500	100	.30	.20	.18	.16
1-CK05BX182K	CK05BX182K	A	1800	100	.30	.20	.18	.16
1-CK05BX222K	CK05BX222K	A	2200	100	.30	.20	.18	.16
1-CK05BX332K	CK05BX332K	A	3300	100	.30	.20	.18	.16
1-CK05BX392K	CK05BX392K	A	3900	100	.30	.20	.18	.16
1-CK05BX472K	CK05BX472K	A	4700	100	.30	.20	.18	.16

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (pF)	Volt (DC)	Price Each 1	100	500	1000
581-CK05BX562K	CK05BX562K	A	5600	100	.30	.20	.18	.16
581-CK05BX682K	CK05BX682K	A	6800	100	.30	.20	.18	.16
581-CK05BX822K	CK05BX822K	A	8200	100	.30	.20	.18	.16
581-CK05BX103K	CK05BX103K	A	.01µF	100	.24	.16	.14	.13
581-CK06BX103K	CK06BX103K	B	.01µF	200	.26	.17	.15	.14
581-CK05BX123K	CK05BX123K	A	.012µF	50	.30	.20	.18	.16
581-CK05BX153K	CK05BX153K	A	.015µF	50	.30	.20	.18	.16
581-CK05BX183K	CK05BX183K	A	.018µF	50	.30	.20	.18	.16
581-CK05BX223K	CK05BX223K	A	.022µF	50	.30	.20	.18	.16
581-CK06BX223K	CK06BX223K	B	.022µF	100	.33	.22	.19	.18
581-CK05BX273K	CK05BX273K	A	.027µF	50	.30	.20	.18	.16
581-CK05BX333K	CK05BX333K	A	.033µF	50	.30	.20	.18	.16
581-CK05BX473K	CK05BX473K	A	.047µF	50	.30	.20	.18	.16
581-CK05BX563K	CK05BX563K	A	.056µF	50	.30	.20	.18	.16
581-CK05BX683K	CK05BX683K	A	.068µF	50	.30	.20	.18	.16
581-CK06BX683K	CK06BX683K	B	.068µF	100	.33	.22	.19	.18
581-CK05BX104K	CK05BX104K	A	0.1µF	50	.30	.20	.18	.16
581-CK06BX104K	CK06BX104K	B	0.1µF	100	.32	.22	.19	.17
581-CK06BX154K	CK06BX154K	B	0.15µF	50	.93	.62	.54	.50
581-CK06BX224K	CK06BX224K	B	0.22µF	50	.96	.64	.56	.51
581-CK06BX274K	CK06BX274K	B	0.27µF	50	1.35	.90	.79	.72
581-CK06BX334K	CK06BX334K	B	0.33µF	50	1.35	.90	.79	.72
581-CK06BX474K	CK06BX474K	B	0.47µF	50	1.80	1.20	1.05	.96
581-CK06BX684K	CK06BX684K	B	0.68µF	50	2.25	1.50	1.31	1.20
581-CK06BX105K	CK06BX105K	B	1.0µF	50	2.07	1.38	1.21	1.10

KEMET CK SERIES, CERAMIC MOLDED RADIAL, 10% TOLERANCE



CK05 Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt (DC)	Price Each 1	10	100	200
80-CK05BX100K	C052K100K2X5CA	10	200	.30	.24	.19	.15
80-CK05BX120K	C052K120K2X5CA	12	200	.30	.24	.19	.15
80-CK05BX150K	C052K150K2X5CA	15	200	.30	.24	.19	.15
80-CK05BX180K	C052K180K2X5CA	18	200	.30	.24	.19	.15
80-CK05BX220K	C052K220K2X5CA	22	200	.30	.24	.19	.15
80-CK05BX270K	C052K270K2X5CA	27	200	.30	.24	.19	.15
80-CK05BX330K	C052K330K2X5CA	33	200	.30	.24	.19	.15
80-CK05BX390K	C052K390K2X5CA	39	200	.30	.24	.19	.15
80-CK05BX470K	C052K470K2X5CA	47	200	.30	.24	.19	.15
80-CK05BX560K	C052K560K2X5CA	56	200	.30	.24	.19	.15
80-CK05BX680K	C052K680K2X5CA	68	200	.30	.24	.19	.15
80-CK05BX820K	C052K820K2X5CA	82	200	.30	.24	.19	.15
80-CK05BX101K	C052K101K2X5CA	100	200	.30	.24	.19	.15
80-CK05BX121K	C052K121K2X5CA	120	200	.30	.24	.19	.15
80-CK05BX151K	C052K151K2X5CA	150	200	.30	.24	.19	.15
80-CK05BX181K	C052K181K2X5CA	180	200	.30	.24	.19	.15
80-CK05BX221K	C052K221K2X5CA	220	200	.30	.24	.19	.15
80-CK05BX271K	C052K271K2X5CA	270	200	.30	.24	.19	.15
80-CK05BX331K	C052K331K2X5CA	330	200	.30	.24	.19	.15
80-CK05BX391K	C052K391K2X5CA	390	200	.30	.24	.19	.15
80-CK05BX471K	C052K471K2X5CA	470	200	.30	.24	.19	.15
80-CK05BX561K	C052K561K2X5CA	560	200	.30	.24	.19	.15
80-CK05BX681K	C052K681K2X5CA	680	200	.30	.24	.19	.15
80-CK05BX821K	C052K821K2X5CA	820	200	.30	.24	.19	.15
80-CK05BX102K	C052K102K2X5CA	1000	200	.30	.24	.19	.15
80-CK05BX122K	C052K122K1X5CA	1200	100	.30	.24	.19	.15
80-CK05BX152K	C052K152K1X5CA	1500	100	.30	.24	.19	.15

CK05 Series (cont.)

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt (DC)	Price Each 1	10	100	200
80-CK05BX182K	C052K182K1X5CA	1800	100	.30	.24	.19	.1
80-CK05BX222K	C052K222K1X5CA	2200	100	.30	.24	.19	.1
80-CK05BX272K	C052K272K1X5CA	2700	100	.30	.24	.19	.1
80-CK05BX332K	C052K332K1X5CA	3300	100	.30	.24	.19	.1
80-CK05BX392K	C052K392K1X5CA	3900	100	.30	.24	.19	.1
80-CK05BX472K	C052K472K1X5CA	4700	100	.30	.24	.19	.1
80-CK05BX562K	C052K562K1X5CA	5600	100	.30	.24	.19	.1
80-CK05BX682K	C052K682K1X5CA	6800	100	.32	.26	.20	.1
80-CK05BX822K	C052K822K1X5CA	8200	100	.32	.26	.20	.1
80-CK05BX103K	C052K103K1X5CA	.010µF	100	.32	.26	.20	.1
80-CK05BX123K	C052K123K5X5CA	.012µF	50	.38	.31	.24	.1
80-CK05BX153K	C052K153K5X5CA	.015µF	50	.38	.31	.24	.1
80-CK05BX223K	C052K223K5X5CA	.022µF	50	.38	.31	.24	.1
80-CK05BX273K	C052K273K5X5CA	.027µF	50	.38	.31	.24	.1
80-CK05BX333K	C052K333K5X5CA	.033µF	50	.42	.34	.26	.2
80-CK05BX393K	C052K393K5X5CA	.039µF	50	.42	.34	.26	.2
80-CK05BX473K	C052K473K5X5CA	.047µF	50	.42	.34	.26	.2
80-CK05BX563K	C052K563K5X5CA	.056µF	50	.42	.34	.26	.2
80-CK05BX683K	C052K683K5X5CA	.068µF	50	.42	.34	.26	.2
80-CK05BX104K	C052K104K5X5CA	0.1uF	50	.42	.34	.26	.2

CK06 Series

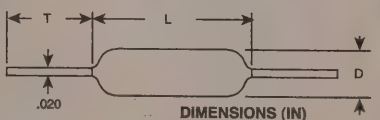
For quantities of 500 and up, call for quo

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt (DC)	Price Each 1	10	100	200
80-CK06BX152K	C062K152K2X5CA	1500	200	.34	.28	.21	.1
80-CK06BX222K	C062K222K2X5CA	2200	200	.34	.28	.21	.1
80-CK06BX332K	C062K332K2X5CA	3300	200	.34	.28	.21	.1
80-CK06BX392K	C062K392K2X5CA	3900	200	.34	.28	.21	.1
80-CK06BX472K	C062K472K2X5CA	4700	200	.34	.28	.21	.1
80-CK06BX682K	C062K682K2X5CA	6800	200	.34	.28	.21	.1
80-CK06BX103K	C062K103K2X5CA	.01µF	200	.34	.28	.21	.1
80-CK06BX223K	C062K223K1X5CA	.022µF	100	.40	.33	.25	.2
80-CK06BX333K	C062K333K1X5CA	.033µF	100	.44	.36	.28	.2
80-CK06BX473K	C062K473K1X5CA	.047µF	100	.44	.36	.28	.2
80-CK06BX683K	C062K683K1X5CA	.068µF	100	.44	.36	.28	.2
80-CK06BX104K	C062K104K1X5CA	0.1µF	100	.44	.36	.28	.2
80-CK06BX154K	C062K154K5X5CA	.15µF	50	.98	.80	.61	.4
80-CK06BX224K	C062K224K5X5CA	.22µF	50	1.02	.83	.64	.5
80-CK06BX274K	C062K274K5X5CA	.27µF	50	1.52	1.24	.95	.7
80-CK06BX334K	C062K334K5X5CA	.33µF	50	1.52	1.24	.95	.7
80-CK06BX394K	C062K394K5X5CA	.39µF	50	1.90	1.54	1.19	.9
80-CK06BX474K	C062K474K5X5CA	.47µF	50	1.90	1.54	1.19	.9
80-CK06BX564K	C062K564K5X5CA	.56µF	50	2.52	2.05	1.58	1.2
80-CK06BX684K	C062K684K5X5CA	.68µF	50	2.52	2.05	1.58	1.2
80-CK06BX824K	C114K824K5X5CA	.82µF	50	2.52	2.05	1.58	1.2
80-CK06BX105K	C062K105K5X5CA	1.0µF	50	2.52	2.05	1.58	1.2

KEMET C4XX SERIES, "AXIMAX" CONFORMAL COATED AXIAL

Temperature Characteristics:

- C0G: 0 ±30ppm/°C from -55°C to +125°C
- X7R: ±15% from -55°C to +125°C
- Z5U: +22% from; -56% from +10°C to +85°C



Specifications:

- Solder coated copper clad steel leads
- Epoxy encapsulated - meets flame test requirements of UL Standard 94V-0
- High-temperature solder - meets EIA RS-198D, Method 302, Condition B (260°C for 10 sec.)

Temp Coef: C0G, 5% Tolerance

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Dimensions (In.) L	D	T	Price Each 1	10	100
100 Volt								
80-C410C100J1G	C410C100J1G5CA	10	.170	.100	1.00	.22	.17	.14
80-C410C150J1G	C410C150J1G5CA	15	.170	.100	1.00	.22	.17	.14
80-C410C180J1G	C410C180J1G5CA	18	.170	.100	1.00	.22	.17	.14
80-C410C220J1G	C410C220J1G5CA	22	.170	.100	1.00	.22	.17	.14
80-C410C270J1G	C410C270J1G5CA	27	.170	.100	1.00	.22	.17	.14
80-C410C330J1G	C410C330J1G5CA	33	.170	.100	1.00	.22	.17	.14
80-C410C470J1G	C410C470J1G5CA	47	.170	.100	1.00	.22	.17	.14
80-C410C820J1G	C410C820J1G5CA	82	.170	.100	1.00	.22	.17	.14
80-C410C101J1G	C410C101J1G5CA	100	.170	.100	1.00	.20	.15	.12
80-C410C151J1G	C410C151J1G5CA	150	.170	.100	1.00	.22	.17	.14
80-C410C221J1G	C410C221J1G5CA	220	.170	.100	1.00	.22	.17	.14
80-C410C331J1G	C410C331J1G5CA	330	.170	.100	1.00	.22	.17	.14
80-C410C471J1G	C410C471J1G5CA	470	.170	.100	1.00	.22	.17	.14
80-C410C102J1G	C410C102J1G5CA	1000	.170	.100	1.00	.21	.16	.13
80-C430C332J1G	C430C332J1G5CA	3300	.290	.150	1.00	.55	.41	.35
80-C430C472J1G	C430C472J1G5CA	4700	.290	.150	1.00	.55	.41	.35
200 Volt								
80-C410C220J2G	C410C220J2G5CA	22	.170	.100	1.00	.22	.17	.14
80-C410C330J2G	C410C330J2G5CA	33	.170	.100	1.00	.22	.17	.14
80-C410C101J2G	C410C101J2G5CA	100	.170	.100	1.00	.20	.15	.12

Temp Coef: X7R, 10% Tolerance

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.) L	D	T	Price Each 1	10	100
50 Volt								
80-C410C102K5R	C410C102K5R5CA	.001	.170	.100	1.00	.15	.11	.10
80-C410C103K5R	C410C103K5R5CA	.01	.170	.100	1.00	.13	.10	.08
80-C410C223K5R	C410C223K5R5CA	.022	.170	.100	1.00	.22	.17	.14
80-C410C333K5R	C410C333K5R5CA	.033	.170	.100	1.00	.22	.17	.14
80-C410C473K5R	C410C473K5R5CA	.047	.170	.100	1.00	.24	.18	.15
80-C412C104K5R	C412C104K5R5CA	0.1	.170	.120	1.00	.15	.11	.10
80-C430C154K5R	C430C154K5R5CA	.15	.290	.150	1.00	.50	.37	.31
80-C430C224K5R	C430C224K5R5CA	.22	.290	.150	1.00	.74	.55	.46
80-C440C474K5R	C440C474K5R5CA	.47	.400	.150	1.00	1.20	.90	.75
100 Volt								
80-C410C821K1R	C410C821K1R5CA	820pF	.170	.100	1.00	.17	.13	.11
80-C410C102K1R	C410C102K1R5CA	1000pF	.170	.100	1.00	.15	.11	.10
80-C410C152K1R	C410C152K1R5CA	1500pF	.170	.100	1.00	.17	.13	.11
80-C410C222K1R	C410C222K1R5CA	2200pF	.170	.100	1.00	.17	.13	.11
80-C410C472K1R	C410C472K1R5CA	4700pF	.170	.100	1.00	.17	.13	.11
80-C410C103K1R	C410C103K1R5CA	.01	.170	.100	1.00	.14	.10	.09
80-C430C473K1R	C430C473K1R5CA	.047	.290	.150	1.00	.36	.27	.23
80-C430C104K1R	C430C104K1R5CA	0.1	.290	.150	1.00	.40	.30	.25

Temp Coef: Z5U, 20% Tolerance

For quantities of 200 and up, call for quo

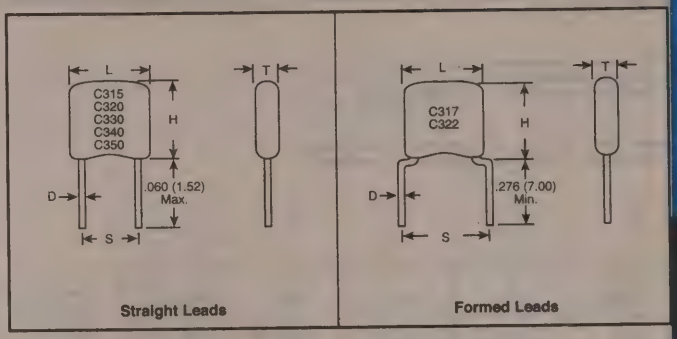
MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.) L	D	T	Price Each 1	10	100
50 Volt								
80-C410C103M5U	C410C103M5U5CA	.01	.170	.100	1.00	.10	.08	.06
80-C410C104M5U	C410C104M5U5CA	0.1	.170	.100	1.00	.10	.08	.06
80-C412C334M5U	C412C334M5U5CA	.33	.170	.120	1.00	.31	.23	.19
80-C420C334M5U	C420C334M5U5CA	.33	.260	.100	1.00	.31	.23	.19
80-C430C474M5U	C430C474M5U5CA	.47	.290	.150	1.00	.50	.38	.31
80-C430C105M5U	C430C105M5U5CA	1.0	.290	.150	1.00	.64	.48	.40
80-C440C105M5U	C440C105M5U5CA	1.0	.400	.150	1.00	.64	.48	.40
100 Volt								
80-C410C103M1U	C410C103M1U5CA	.01	.170	.100	1.00	.10	.08	.06
80-C430C104M1U	C430C104M1U5CA	0.1	.290	.150	1.00	.26	.20	.16
80-C440C224M1U	C440C224M1U5CA	.22	.400	.150	1.00	.46	.35	.29

MOUSER ELECTRONICS a tti company (800) 346-6873

CERAMIC CONFORMAL COATED/RADIAL HIGH VOLTAGE "GOLDEN MAX" C3XX SERIES

ature characteristics: C0G: 0.15% max. from -55°C to +125°C,
X7R: ±15% max. from -55°C to +125°C
encapsulated
flame test requirements of UL Standard 94V-0
lable in various lead formations, tolerances and packaging.
ontact a Mouser Sales Representative for information.

DIMENSIONS: In. (mm)



e	DIMENSIONS: In. (mm)				
	L Max.	H Max.	T Max.	S (1) ± .030 (.76)	D + .004 (.10) - .001 (.76)
5	.150 (3.81)	.210 (5.33)	.100 (2.54)	.100 (2.54)	.020 (.51)
7	.150 (3.81)	.230 (5.84)	.100 (2.54)	.200 (5.08)	.020 (.51)
0	.200 (5.08)	.260 (6.60)	.125 (3.18)	.100 (2.54)	.020 (.51)
2	.200 (5.08)	.260 (6.60)	.125 (3.18)	.200 (5.08)	.020 (.51)
0	.300 (7.62)	.360 (9.14)	.150 (3.81)	.200 (5.08)	.020 (.51)
0	.400 (10.16)	.460 (11.68)	.150 (3.81)	.200 (5.08)	.020 (.51)
0	.500 (12.70)	.560 (14.22)	.200 (5.08)	.400 (10.16)	.025 (.64)

Series, C0G

For quantities of 500 and up, call for quote.

OUSER OCK NO.	KEMET Part Number	Value (pF)	Volt	Tol. %	Price Each 1	25	50	100
15C100KDG	C315C100KDG5TA	10	1000	10	1.60	1.44	1.28	1.12
15C101KCG	C315C101KCG5TA	100	500	10	1.57	1.42	1.26	1.10
17C101KDG	C317C101KDG5TA	100	1000	10	1.67	1.50	1.33	1.17
30C101KDG	C330C101KDG5TA	100	1000	10	2.05	1.84	1.64	1.43
40C101KGG	C340C101KGG5TA	100	2000	10	3.19	2.87	2.55	2.23
40C101KHG	C340C101KHG5TA	100	3000	10	3.58	3.22	2.86	2.51
20C102KDG	C320C102KDG5TA	1000	1000	10	1.78	1.60	1.42	1.25
22C102KDG	C322C102KDG5TA	1000	1000	10	1.78	1.60	1.42	1.25
56C102GDG	C356C102GDG5TA	1000	1000	2	14.34	12.90	11.47	10.04
22C332KCG	C322C332KCG5TA	3300	500	10	1.76	1.59	1.41	1.23
40C103KCG	C340C103KCG5TA	0.01uF	500	10	3.14	2.82	2.51	2.19

C3XX Series, X7R

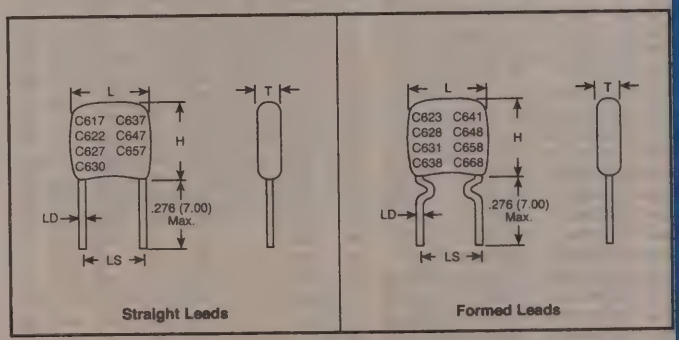
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol. %	Price Each 1	23	50	100
80-C317C101KDR	C317C101KDR5TA	100	1000	10	1.34	1.20	1.07	.93
80-C340C101KHR	C340C101KHR5TA	100	3000	10	2.92	2.63	2.34	2.05
80-C322C102KDR	C322C102KDR5TA	1000	1000	10	1.48	1.34	1.19	1.04
80-C317C332KCR	C317C332KCR5TA	3300	500	10	1.47	1.32	1.18	1.03
80-C320C103MCR	C320C103MCR5TA	0.01uF	500	20	.97	.83	.69	.62
80-C322C103KDR	C322C103KDR5TA	0.01uF	1000	10	1.02	.92	.82	.72
80-C330C104KCR	C330C104KCR5TA	0.1uF	500	10	1.99	1.70	1.42	1.28
80-C330C104MCR	C330C104MCR5TA	0.1uF	500	20	2.11	1.81	1.51	1.36
80-C350C104KCR	C350C104KCR5TA	0.1uF	500	10	14.33	12.28	10.23	9.21
80-C350C104MCR	C350C104MCR5TA	0.1uF	500	20	13.46	11.54	9.62	8.65
80-C330C124KCR	C330C124KCR5TA	0.1uF	500	10	3.17	2.72	2.26	2.04
80-C340C224MCR	C340C224MCR5TA	0.22uF	500	20	11.19	9.59	7.99	7.19
80-C350C224KCR	C350C224KCR5TA	0.22uF	500	10	18.28	16.87	14.06	12.65
80-C350C224KDR	C350C224KDR5TA	0.22uF	1000	10	19.38	17.89	14.90	13.41
80-C350C394MCR	C350C394MCR5TA	0.39uF	500	20	19.18	17.70	14.75	13.28
80-C350C564KCR	C350C564KCR5TA	0.56uF	500	10	19.65	18.01	16.38	14.74

CERAMIC COMMERCIAL HIGH VOLTAGE RADIAL LEADED CAPACITOR C6XX SERIES

erature characteristics: C0G: 0.15% max. from -55°C to +125°C,
X7R: ±15% max. from -55°C to +125°C
y encapsulated
a flame test requirements of UL Standard 94V-0
ailable in various lead formations, tolerances and packaging.
contact a Mouser Sales Representative for information.

DIMENSIONS: In. (mm)



se ze	DIMENSIONS: In. (mm)				
	L Max.	H Max.	T Max.	Lead Spacing	LD (Nominal)
7	.250 (6.35)	.220 (5.59)	.200 (5.08)	.170 (4.32)	.025 (.64)
2/3	.320 (8.13)	.280 (7.11)	.250 (6.35)	.220 (5.59)	.025 (.64)
7/8	.370 (9.40)	.300 (7.62)	.250 (6.35)	.275 (6.98)	.025 (.64)
0/1	.450 (11.40)	.220 (5.59)	.200 (5.08)	.300 (7.62)	.025 (.64)
7/8	.470 (11.90)	.400 (10.20)	.270 (6.89)	.375 (9.52)	.025 (.64)
0	.550 (14.00)	.280 (7.11)	.250 (6.35)	.400 (10.16)	.025 (.64)
7/8	.570 (14.50)	.500 (12.70)	.270 (6.89)	.475 (12..06)	.025 (.64)
7/8	.670 (17.02)	.600 (15.24)	.270 (6.89)	.575 (14.60)	.025 (.64)
8	.770 (19.56)	.720 (18.29)	.270 (6.89)	.675 (17.14)	.025 (.64)

X Series, C0G

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol. %	Price Each 1	25	50	100
622C100KDG	C622C100KDG5TA	10	1000	10	10.51	9.24	8.09	6.93
622C102JDG	C622C102JDG5TA	1000	1000	5	10.51	9.24	8.09	6.93
627C102KGG	C627C102KGG5TA	1000	1000	10	11.33	9.96	8.72	7.47
630C102KGG	C630C102KGG5TA	1000	1000	10	12.74	11.20	9.80	8.40
637C102KGG	C637C102KGG5TA	1000	2000	10	12.74	11.20	9.80	8.40
638C102KHG	C638C102KHG5TA	1000	3000	10	16.06	14.12	12.36	10.59
657C102JGG	C657C102JGG5TA	1000	2000	5	39.69	33.08	29.77	26.46
657C472JGG	C657C472JGG5TA	4700	2000	5	39.69	33.08	29.77	26.46
657C103JGG	C657C103JGG5TA	0.01uF	2000	5	39.69	33.08	29.77	26.46
667C103KHG	C667C103KHG5TA	0.01uF	3000	10	43.50	36.25	32.63	29.00
668C103KHG	C668C103KHG5TA	0.01uF	3000	10	43.50	36.25	32.63	29.00

X Series, X7R

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol. %	Price Each 1	25	50	100
C617C102KGR	C617C102KGR5TA	1000	2000	10	9.83	8.64	7.56	6.48
C628C102KHR	C628C102KHR5TA	1000	3000	10	11.33	9.96	8.72	7.47
C630C102KDR	C630C102KDR5TA	1000	1000	10	12.74	11.20	9.80	8.40
C630C102KHR	C630C102KHR5TA	1000	3000	10	12.74	11.20	9.80	8.40
C637C102KGR	C637C102KGR5TA	1000	2000	10	16.06	14.12	12.36	10.59

C6XX Series, X7R (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol. %	Price Each 1	25	50	100
80-C638C102KGR	C638C102KGR5TA	1000	2000	10	16.06	14.12	12.36	10.59
80-C628C472KDR	C628C472KDR5TA	4700	1000	10	11.33	9.96	8.72	7.47
80-C628C472KHR	C628C472KHR5TA	4700	3000	10	11.33	9.96	8.72	7.47
80-C617C103KDR	C617C103KDR5TA	0.01uF	1000	10	9.83	8.64	7.56	6.48
80-C627C103KDR	C627C103KDR5TA	0.01uF	1000	10	11.33	9.96	8.72	7.47
80-C628C103KGR	C628C103KGR5TA	0.01uF	2000	10	11.33	9.96	8.72	7.47
80-C631C103KDR	C631C103KDR5TA	0.01uF	1000	10	12.74	11.20	9.80	8.40
80-C638C103KGR	C638C103KGR5TA	0.01uF	2000	10	16.06	14.12	12.36	10.59
80-C617C123KDR	C617C123KDR5TA	0.012uF	1000	10	9.83	8.64	7.56	6.48
80-C623C473KDR	C623C473KDR5TA	0.047uF	1000	10	10.51	9.24	8.09	6.93
80-C638C473KDR	C638C473KDR5TA	0.047uF	1000	10	16.06	14.12	12.36	10.59
80-C638C104KDR	C638C104KDR5TA	0.1uF	1000	10	16.06	14.12	12.36	10.59
80-C641C104KDR	C641C104KDR5TA	0.1uF	1000	10	17.84	15.68	13.72	11.76
80-C648C104KDR	C648C104KDR5TA	0.1uF	1000	10	30.30	26.64	23.31	19.98
80-C658C104KDR	C658C104KDR5TA	0.1uF	1000	10	39.69	33.08	29.77	26.46
80-C668C104KGR	C668C104KGR5TA	0.1uF	2000	10	43.50	36.25	32.63	29.00
80-C647C105KCR	C647C105KCR5TA	1.0uF	500	10	30.30	26.64	23.31	19.98
80-C648C105KCR	C648C105KCR5TA	1.0uF	500	10	30.30	26.64	23.31	19.98
80-C657C105KCR	C657C105KCR5TA	1.0uF	500	10	30.30	26.64	23.31	19.98
80-C658C105KCR	C658C105KCR5TA	1.0uF	500	10	39.69	33.08	29.77	26.46
80-C668C105KDR	C668C105KDR5TA	1.0uF	1000	10	43.50	36.25	32.63	29.00

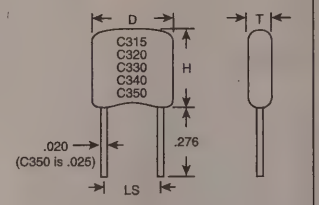
KEMET CERAMIC "GOLDEN MAX" CONFORMAL COATED, RADIAL, C0G (NP0)

- Temperature characteristics: 0 ±30ppm/°C from -55°C to +125°C
- Epoxy encapsulated
- Meets flame test requirements of UL Standard 94V-0

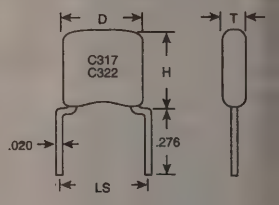
Also available in various lead formations, tolerances and packaging.
Please contact a Mouser Sales Representative for information.

Case Size	L Max.	H Max.	T Max.	S (1) ± .030 (.76)	D + .004 (.10) - .001 (.76)
C315	.150 (3.81)	.210 (5.33)	.100 (2.54)	.100 (2.54)	.020 (.51)
C317	.150 (3.81)	.230 (5.84)	.100 (2.54)	.200 (5.08)	.020 (.51)
C320	.200 (5.08)	.260 (6.60)	.125 (3.18)	.100 (2.54)	.020 (.51)
C322	.200 (5.08)	.260 (6.60)	.125 (3.18)	.200 (5.08)	.020 (.51)
C323	.200 (5.08)	.320 (8.13)	.125 (3.18)	.200 (5.08)	.020 (.51)
C330	.300 (7.62)	.360 (9.14)	.150 (3.81)	.200 (5.08)	.020 (.51)
C340	.400 (10.16)	.460 (11.68)	.150 (3.81)	.200 (5.08)	.020 (.51)
C350	.500 (12.70)	.560 (14.22)	.200 (5.08)	.400 (10.16)	.025 (.64)

DIMENSIONS (IN.)



Straight Leads



Formed Leads

C0G (NPO)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Toler. %	Price Each 1	25	50	100	500
80-C315C100J2G	C315C100J2G5CA	10	200	5	.19	.17	.14	.12	.11
80-C317C100J2G	C317C100J2G5CA	10	200	5	.19	.17	.14	.12	.11
80-C322C100J2G	C322C100J2G5CA	10	200	5	.20	.17	.14	.13	.11
80-C315C150J1G	C315C150J1G5CA	15	100	5	.21	.18	.15	.13	.12
80-C315C150J2G	C315C150J2G5CA	15	200	5	.21	.18	.15	.13	.12
80-C317C150J2G	C317C150J2G5CA	15	200	5	.21	.18	.15	.13	.12
80-C315C180J2G	C315C180J2G5CA	18	200	5	.21	.18	.15	.13	.12
80-C317C180J2G	C317C180J2G5CA	18	200	5	.21	.18	.15	.13	.12
80-C315C220J1G	C315C220J1G5CA	22	100	5	.21	.18	.15	.13	.12
80-C317C220J2G	C317C220J2G5CA	22	200	5	.21	.18	.15	.13	.12
80-C322C220J2G	C322C220J2G5CA	22	200	5	.21	.18	.15	.14	.12
80-C315C270J2G	C315C270J2G5CA	27	200	5	.21	.18	.15	.13	.12
80-C317C270J2G	C317C270J2G5CA	27	200	5	.21	.18	.15	.13	.12
80-C322C270J2G	C322C270J2G5CA	27	200	5	.21	.18	.15	.14	.12
80-C315C330J1G	C315C330J1G5CA	33	100	5	.21	.18	.15	.13	.12
80-C315C330J2G	C315C330J2G5CA	33	200	5	.21	.18	.15	.13	.12
80-C317C330J2G	C317C330J2G5CA	33	200	5	.21	.18	.15	.13	.12
80-C322C330J2G	C322C330J2G5CA	33	200	5	.21	.18	.15	.14	.12
80-C315C390J1G	C315C390J1G5CA	39	100	5	.21	.18	.15	.13	.12
80-C315C390J2G	C315C390J2G5CA	39	200	5	.21	.18	.15	.13	.12
80-C322C390J2G	C322C390J2G5CA	39	200	5	.21	.18	.15	.14	.12
80-C315C470J1G	C315C470J1G5CA	47	100	5	.21	.18	.15	.13	.12
80-C315C470J2G	C315C470J2G5CA	47	200	5	.21	.18	.15	.13	.12
80-C322C470J2G	C322C470J2G5CA	47	200	5	.21	.18	.15	.14	.12
80-C315C560J2G	C315C560J2G5CA	56	200	5	.21	.18	.15	.13	.12
80-C317C560J2G	C317C560J2G5CA	56	200	5	.21	.18	.15	.13	.12
80-C315C680J2G	C315C680J2G5CA	68	200	5	.22	.19	.16	.14	.13
80-C315C101J1G	C315C101J1G5CA	100	100	5	.21	.18	.15	.13	.12
80-C315C101J2G	C315C101J2G5CA	100	200	5	.21	.18	.15	.13	.12
80-C317C101J2G	C317C101J2G5CA	100	200	5	.21	.18	.15	.13	.12
80-C322C101J2G	C322C101J2G5CA	100	200	5	.21	.18	.15	.14	.12
80-C315C121J1G	C315C121J1G5CA	120	100	5	.20	.17	.14	.13	.11
80-C315C151J1G	C315C151J1G5CA	150	100	5	.20	.17	.14	.13	.11
80-C315C151J2G	C315C151J2G5CA	150	200	5	.24	.20	.17	.15	.13
80-C322C151J2G	C322C151J2G5CA	150	200	5	.24	.20	.17	.15	.14
80-C315C181J1G	C315C181J1G5CA	180	100	5	.20	.17	.14	.13	.11
80-C315C181J2G	C315C181J2G5CA	180	200	5	.24	.20	.17	.15	.13
80-C317C181J1G	C317C181J1G5CA	180	100	5	.20	.17	.14	.13	.11
80-C322C181J2G	C322C181J2G5CA	180	200	5	.24	.20	.17	.15	.14
80-C315C221J1G	C315C221J1G5CA	220	100	5	.20	.17	.14	.13	.11
80-C315C221J2G	C315C221J2G5CA	220	200	5	.24	.20	.17	.15	.13
80-C317C221J1G	C317C221J1G5CA	220	100	5	.20	.17	.14	.13	.11
80-C322C221J2G	C322C221J2G5CA	120	200	5	.24	.20	.17	.15	.14
80-C322C271J2G	C322C271J2G5CA	270	200	5	.24	.20	.17	.15	.14
80-C315C331J1G	C315C331J1G5CA	330	100	5	.20	.17	.14	.13	.11
80-C315C331J2G	C315C331J2G5CA	330	200	5	.28	.24	.20	.18	.16
80-C317C331J1G	C317C331J1G5CA	330	100	5	.20	.17	.14	.13	.11
80-C322C331J2G	C322C331J2G5CA	330	200	5	.28	.24	.20	.18	.16
80-C315C391J1G	C315C391J1G5CA	390	100	5	.20	.17	.14	.13	.11
80-C315C471J1G	C315C471J1G5CA	470	100	5	.20	.17	.14	.13	.11

C0G (NPO) (CONT.)

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Toler. %	Price Each 1	25	50	100	50
80-C315C471J2G	C315C471J2G5CA	470	200	5	.28	.24	.20	.18	.1
80-C317C471J2G	C317C471J2G5CA	470	200	5	.28	.24	.20	.18	.1
80-C322C471J2G	C322C471J2G5CA	470	200	5	.28	.24	.20	.18	.1
80-C315C561J1G	C315C561J1G5CA	560	100	5	.20	.17	.14	.13	.1
80-C320C561J2G	C320C561J2G5CA	560	200	5	.28	.24	.20	.18	.1
80-C315C681J1G	C315C681J1G5CA	680	100	5	.28	.24	.20	.18	.1
80-C322C681J2G	C322C681J2G5CA	680	200	5	.31	.26	.22	.20	.1
80-C315C821J1G	C315C821J1G5CA	820	100	5	.28	.24	.20	.18	.1
80-C322C821J1G	C322C821J1G5CA	820	100	5	.28	.24	.20	.18	.1
80-C315C102J1G	C315C102J1G5CA	1000	100	5	.23	.20	.16	.15	.1
80-C317C102J1G	C317C102J1G5CA	1000	100	5	.23	.20	.16	.15	.1
80-C320C102J2G	C320C102J2G5CA	1000	200	5	.30	.25	.21	.19	.1
80-C322C102J1G	C322C102J1G5CA	1000	100	5	.23	.20	.16	.15	.1
80-C322C102J2G	C322C102J2G5CA	1000	200	5	.30	.25	.21	.19	.1
80-C320C122J2G	C320C122J2G5CA	1200	200	5	.33	.28	.24	.21	.1
80-C322C122J1G	C322C122J1G5CA	1200	100	5	.29	.25	.21	.19	.1
80-C320C152J1G	C320C152J1G5CA	1500	100	5	.29	.25	.21	.19	.1
80-C320C152J2G	C320C152J2G5CA	1500	200	5	.33	.28	.24	.21	.1
80-C322C152J1G	C322C152J1G5CA	1500	100	5	.29	.25	.21	.19	.1
80-C322C152J2G	C322C152J2G5CA	1500	200	5	.33	.28	.24	.21	.1
80-C320C182J1G	C320C182J1G5CA	1800	100	5	.29	.25	.21	.19	.1
80-C322C182J1G	C322C182J1G5CA	1800	100	5	.29	.25	.21	.19	.1
80-C320C222J1G	C320C222J1G5CA	2200	100	5	.29	.25	.21	.19	.1
80-C320C222J2G	C320C222J2G5CA	2200	200	5	.33	.28	.24	.21	.1
80-C322C222J1G	C322C222J1G5CA	2200	100	5	.29	.25	.21	.19	.1
80-C322C222J2G	C322C222J2G5CA	2200	200	5	.33	.28	.24	.21	.1
80-C320C272J1G	C320C272J1G5CA	2700	100	5	.29	.25	.21	.19	.1
80-C322C272J1G	C322C272J1G5CA	2700	100	5	.29	.25	.21	.19	.1
80-C320C332J1G	C320C332J1G5CA	3300	100	5	.33	.28	.24	.21	.1
80-C322C332J1G	C322C332J1G5CA	3300	100	5	.33	.28	.24	.21	.1
80-C322C332J2G	C322C332J2G5CA	3300	200	5	.41	.35	.29	.26	.2
80-C322C392J1G	C322C392J1G5CA	3900	100	5	.35	.30	.25	.23	.2
80-C320C472J1G	C320C472J1G5CA	4700	100	5	.35	.30	.25	.23	.2
80-C322C472J1G	C322C472J1G5CA	4700	100	5	.35	.30	.25	.23	.2
80-C322C562J1G	C322C562J1G5CA	5600	100	5	.41	.35	.29	.26	.2
80-C330C682J1G	C330C682J1G5CA	6800	100	5	.67	.57	.48	.43	.3
80-C330C822J1G	C330C822J1G5CA	8200	100	5	.67	.57	.48	.43	.3
80-C330C103J1G	C330C103J1G5CA	.01uF	100	5	.82	.70	.59	.53	.4
80-C330C103J2G	C330C103J2G5CA	.01uF	200	5	.93	.80	.66	.60	.5
80-C330C123J1G	C330C123J1G5CA	.012uF	100	5	1.04	.89	.74	.67	.5
80-C330C153J1G	C330C153J1G5CA	.013uF	100	5	1.04	.89	.74	.67	.5
80-C330C223J1G	C330C223J1G5CA	.022uF	100	5	1.55	1.32	1.10	.99	.8
80-C330C273J1G	C330C273J1G5CA	.027uF	100	5	1.67	1.43	1.19	1.07	.9
80-C340C333J1G	C340C333J1G5CA	.033uF	100	5	3.34	2.86	2.39	2.15	1.9
80-C340C473J1G	C340C473J1G5CA	.047uF	100	5	3.73	3.19	2.66	2.39	2.1
80-C350C473J2G	C350C473J2G5CA	.047uF	100	5	5.34	4.58	3.81	3.43	3.0
80-C340C563J1G	C340C563J1G5CA	.056uF	100	5	3.73	3.19	2.66	2.39	2.1
80-C340C683J1G	C340C683J1G5CA	.068uF	100	5	4.17	3.58	2.98	2.68	2.3
80-C350C104J1G	C350C104J1G5CA	0.1uF	100	5	6.43	5.51	4.59	4.13	3.6

MOUSER ELECTRONICS a tti company (800) 346-6873

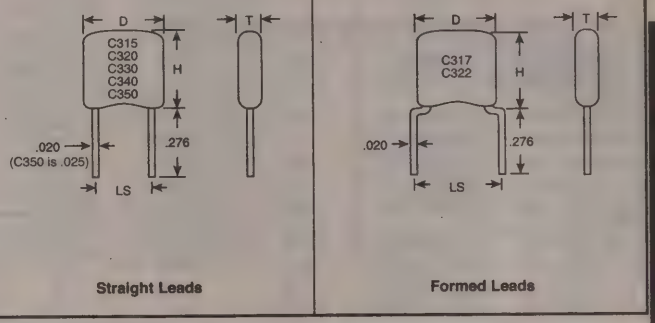
MET CERAMIC "GOLDEN MAX" CONFORMAL COATED, RADIAL, X7R AND Z5U

perature Characteristics: X7R: ±15% from -55°C to +125°C, Z5U: +22%, -56% from +10°C to +85°C
ts flame test requirements of UL Standard 94V-0.
xy Encapsulated

vailable in various lead formations, tolerances and packing.
e contact a Mouser Sales Representative for information.

Case Size	L Max.	H Max.	T Max.	S (1) ± .030 (.76)	D + .004 (.10) - .001 (.76)
315	.150 (3.81)	.210 (5.33)	.100 (2.54)	.100 (2.54)	.020 (.51)
317	.150 (3.81)	.230 (5.84)	.100 (2.54)	.200 (5.08)	.020 (.51)
320	.200 (5.08)	.260 (6.60)	.125 (3.18)	.100 (2.54)	.020 (.51)
322	.200 (5.08)	.260 (6.60)	.125 (3.18)	.200 (5.08)	.020 (.51)
323	.200 (5.08)	.320 (8.13)	.125 (3.18)	.200 (5.08)	.020 (.51)
330	.300 (7.62)	.360 (9.14)	.150 (3.81)	.200 (5.08)	.020 (.51)
340	.400 (10.16)	.460 (11.68)	.150 (3.81)	.200 (5.08)	.020 (.51)
350	.500 (12.70)	.560 (14.22)	.200 (5.08)	.400 (10.16)	.025 (.64)

DIMENSIONS (IN.)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Toler. %	Price Each 1	25	50	100	500
315C101K2R	C315C101K2R5CA	100	200	10	.16	.14	.12	.11	.09
317C101K2R	C317C101K2R5CA	100	200	10	.16	.14	.12	.11	.09
315C221K2R	C315C221K2R5CA	220	200	10	.18	.15	.13	.12	.10
315C331K1R	C315C331K1R5CA	330	100	10	.14	.12	.10	.09	.08
315C471K1R	C315C471K1R5CA	470	100	10	.14	.12	.10	.09	.08
315C471K2R	C315C471K2R5CA	470	200	10	.18	.15	.13	.12	.10
315C102K5R	C315C102K5R5CA	1000	50	10	.13	.11	.09	.08	.07
315C102K1R	C315C102K1R5CA	1000	100	10	.10	.09	.07	.07	.06
315C102K2R	C315C102K2R5CA	1000	200	10	.16	.14	.12	.11	.09
317C102K1R	C317C102K1R5CA	1000	100	10	.13	.11	.09	.08	.07
317C102K2R	C317C102K2R5CA	1000	200	10	.16	.14	.12	.11	.09
322C102K2R	C322C102K2R5CA	1000	200	10	.17	.14	.12	.11	.10
315C152K1R	C315C152K1R5CA	1500	100	10	.14	.12	.10	.09	.08
315C222K1R	C315C222K1R5CA	2200	100	10	.14	.12	.10	.09	.08
317C222K1R	C317C222K1R5CA	2200	100	10	.14	.12	.10	.09	.08
320C222K2R	C320C222K2R5CA	2200	200	10	.19	.16	.13	.12	.11
322C222K2R	C322C222K2R5CA	2200	200	10	.19	.16	.13	.12	.11
315C332K5R	C315C332K5R5CA	3300	50	10	.14	.12	.10	.09	.08
315C332K1R	C315C332K1R5CA	3300	100	10	.14	.12	.10	.09	.08
317C332K1R	C317C332K1R5CA	3300	100	10	.14	.12	.10	.09	.08
315C472K5R	C315C472K5R5CA	4700	50	10	.15	.13	.11	.10	.09
315C472K1R	C315C472K1R5CA	4700	100	10	.15	.13	.11	.10	.09
317C472K1R	C317C472K1R5CA	4700	100	10	.15	.13	.11	.10	.09
320C472K2R	C320C472K2R5CA	4700	200	10	.20	.17	.14	.13	.12
322C472K1R	C322C472K1R5CA	4700	100	10	.16	.14	.11	.10	.09
322C472K2R	C322C472K2R5CA	4700	200	10	.20	.17	.14	.13	.12
315C682K1R	C315C682K1R5CA	6800	100	10	.15	.13	.11	.10	.09
315C103K5R	C315C103K5R5CA	.01uF	50	10	.10	.08	.07	.06	.06
315C103K1R	C315C103K1R5CA	.01uF	100	10	.11	.09	.08	.07	.06
317C103K5R	C317C103K5R5CA	.01uF	50	10	.11	.09	.08	.07	.06
317C103K1R	C317C103K1R5CA	.01uF	100	10	.14	.12	.10	.09	.08
320C103K2R	C320C103K2R5CA	.01uF	200	10	.19	.16	.13	.12	.11
322C103K5R	C322C103K5R5CA	.01uF	50	10	.13	.11	.09	.08	.07
322C103K1R	C322C103K1R5CA	.01uF	100	10	.12	.11	.09	.08	.07
322C103K2R	C322C103K2R5CA	.01uF	200	10	.19	.16	.13	.12	.11
315C153K5R	C315C153K5R5CA	.015uF	50	10	.15	.13	.11	.10	.09
320C153K1R	C320C153K1R5CA	.015uF	100	10	.17	.15	.12	.11	.10
315C223K5R	C315C223K5R5CA	.022uF	50	10	.17	.14	.12	.11	.09
320C223K1R	C320C223K1R5CA	.022uF	100	10	.20	.17	.14	.13	.12
322C223K5R	C322C223K5R5CA	.022uF	50	10	.17	.14	.12	.11	.10
315C333K5R	C315C333K5R5CA	.033uF	50	10	.17	.14	.12	.11	.09
320C333K1R	C320C333K1R5CA	.033uF	100	10	.20	.17	.14	.13	.12
322C333K5R	C322C333K5R5CA	.033uF	50	10	.17	.14	.12	.11	.10
320C473K5R	C320C473K5R5CA	.047uF	50	10	.19	.16	.14	.12	.11
320C473K1R	C320C473K1R5CA	.047uF	100	10	.25	.21	.18	.16	.14
322C473K5R	C322C473K5R5CA	.047uF	50	10	.19	.16	.14	.12	.11
322C473K1R	C322C473K1R5CA	.047uF	100	10	.25	.21	.18	.16	.14
320C683K5R	C320C683K5R5CA	.068uF	50	10	.19	.16	.14	.12	.11
322C683K5R	C322C683K5R5CA	.068uF	50	10	.19	.16	.14	.12	.11
320C104K5R	C320C104K5R5CA	.1uF	50	10	.10	.09	.07	.07	.06

X7R (cont.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Toler. %	Price Each 1	25	50	100	500
80-C322C104K5R	C322C104K5R5CA	.1uF	50	10	.10	.09	.07	.07	.06
80-C322C104K1R	C322C104K1R5CA	.1uF	100	10	.12	.10	.08	.07	.07
80-C320C154K5R	C320C154K5R5CA	.15uF	50	10	.27	.23	.19	.17	.15
80-C322C154K5R	C322C154K5R5CA	.15uF	50	10	.27	.23	.19	.17	.15
80-C320C224K5R	C320C224K5R5CA	.22uF	50	10	.39	.34	.28	.25	.22
80-C322C224K5R	C322C224K5R5CA	.22uF	50	10	.39	.34	.28	.25	.22
80-C340C224K2R	C340C224K2R5CA	.22uF	200	10	3.41	2.93	2.44	2.20	1.95
80-C322C274K5R	C322C274K5R5CA	.27uF	50	10	.42	.36	.30	.27	.24
80-C340C474K1R	C340C474K1R5CA	.47uF	100	10	1.37	1.17	.98	.88	.78
80-C350C474K2R	C350C474K2R5CA	.47uF	200	10	7.35	6.30	5.25	4.73	4.20
80-C340C105K5R	C340C105K5R5CA	1.0uF	50	10	1.06	.91	.76	.68	.61
80-C340C105K1R	C340C105K1R5CA	1.0uF	100	10	2.66	2.28	1.90	1.71	1.52
80-C350C105K1R	C350C105K1R5CA	1.0uF	100	10	6.55	5.62	4.68	4.21	3.74
80-C340C155K5R	C340C155K5R5CA	1.5uF	50	10	2.62	2.24	1.87	1.68	1.50
80-C340C225K5R	C340C225K5R5CA	2.2uF	50	10	3.27	2.81	2.34	2.10	1.87
80-C350C225K5R	C350C225K5R5CA	2.2uF	50	10	7.01	6.01	5.01	4.51	4.01
80-C350C335K5R	C350C335K5R5CA	3.3uF	50	10	7.81	6.70	5.58	5.02	4.46
80-C350C475K5R	C350C475K5R5CA	4.7uF	50	10	9.62	8.24	6.87	6.18	5.50

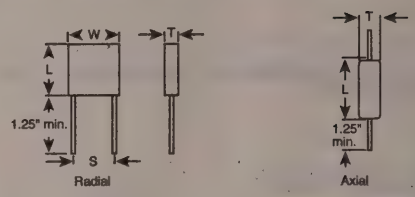
Z5U

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Toler. %	Price Each 1	25	50	100	500
80-C315C102M1U	C315C102M1U5CA	1000	100	20	.12	.11	.09	.08	.07
80-C315C222M1U	C315C222M1U5CA	2200	100	20	.14	.12	.10	.09	.08
80-C315C103M1U	C315C103M1U5CA	.01uF	100	20	.12	.11	.09	.08	.07
80-C317C103M5U	C317C103M5U5CA	0.01uF	50	20	.12	.10	.09	.08	.07
80-C320C103M5U	C320C103M5U5CA	.01uF	50	20	.12	.10	.09	.08	.07
80-C315C473M5U	C315C473M5U5CA	.047uF	50	20	.13	.11	.10	.09	.08
80-C315C104M5U	C315C104M5U5CA	.1uF	50	20	.13	.11	.10	.09	.08
80-C317C104M5U	C317C104M5U5CA	0.1uF	50	20	.09	.08	.06	.06	.05
80-C320C104M1U	C320C104M1U5CA	.1uF	100	20	.15	.13	.11	.10	.09
80-C320C224M5U	C320C224M5U5CA	.22uF	50	20	.23	.20	.17	.15	.13
80-C320C334M5U	C320C334M5U5CA	.33uF	50	20	.23	.20	.17	.15	.13
80-C320C474M5U	C320C474M5U5CA	.47uF	50	20	.29	.25	.21	.19	.17
80-C340C105M1U	C340C105M1U5CA	1.0uF	100	20	2.31	1.98	1.65	1.49	1.32
80-C330C155M5U	C330C155M5U5CA	1.5uF	50	20	.78	.67	.56	.50	.45
80-C340C225M5U	C340C225M5U5CA	2.2uF	50	20	2.33	2.00	1.67	1.50	1.33
80-C350C225M1U	C350C225M1U5CA	2.2uF	100	20	8.25	7.07	5.89	5.30	4.72
80-C340C335M5U	C340C335M5U5CA	3.3uF	50	20	2.92	2.50	2.08	1.88	1.67
80-C350C335M5U	C350C335M5U5CA	3.3uF	50	20	5.41	4.64	3.87	3.48	3.09
80-C350C395M5U	C350C395M5U5CA	3.9uF	50	20	6.04	5.18	4.31	3.88	3.45
80-C340C475M5U	C340C475M5U5CA	4.7uF	50	20	3.52	3.02	2.52	2.26	2.01
80-C350C475M5U	C350C475M5U5CA	4.7uF	50	20	6.04	5.18	4.31	3.88	3.45

KEMET HIGH TEMPERATURE CERAMIC CAPACITORS

Applications:
- Down Hole
- Industrial
- Harsh Environment



HT Series High Temperature Ceramic Capacitors (+200°C)

For quantities of 50 and up, call for quo

MOUSER STOCK NO.	Kemet Part No.	Temp. Coef	Value (µF)	Volt (Vdc)	Tol. + -	Inches (Max) (W)	(L)	(T)	Lead Spacing (S)	Price Each 1	5	10	20
Radial Lead													
80-HT05CN560J	HT05CN560J	C0G	56pF	100	5%	0.20	0.20	0.10	0.1	27.09	25.15	23.22	19.35
80-HT05CN101J	HT05CN101J	C0G	100pF	100	5%	0.20	0.20	0.10	0.1	35.32	32.79	30.27	25.23
80-HT05CB102K	HT05CB102K	X7R	0.001	100	10%	0.20	0.20	0.10	0.1	31.75	29.48	27.21	24.94
80-HT55BB562K	HT55BB562K	X7R	0.0056	50	10%	0.20	0.20	0.10	0.2	27.09	25.15	23.22	19.35
80-HT06CW104K	HT06CW104K	X7R	0.1	100	10%	0.30	0.30	0.15	0.2	36.54	33.93	31.32	28.71
Axial Lead													
80-HT13CN471K	HT13CN471K	C0G	470pF	100	10%	- - -	0.26	0.135	- - -	35.32	32.79	30.27	25.23
80-HT13CN102J	HT13CN102J	C0G	0.001	100	5%	- - -	0.26	0.135	- - -	35.59	33.05	30.51	25.42
80-HT14CN472J	HT14CN472J	C0G	0.0047	100	5%	- - -	0.40	0.155	- - -	35.59	33.05	30.51	25.42
80-HT13CB103J	HT13CB103J	X7R	0.01	100	5%	- - -	0.26	0.135	- - -	35.32	32.79	30.27	25.23

HV Series High Temperature/High Voltage Radial Lead Ceramic Capacitors (+200°C)

For quantities of 50 and up, call for quo

MOUSER STOCK NO.	Kemet Part No.	Temp. Coef	Value (µF)	Volt (Vdc)	Tol. + -	Inches (Max) (W)	(L)	(T)	Lead Spacing (S)	Price Each 1	5	10	20
80-20HV10B101P	20HV10B101P	X7R	100pF	2000	0/+100%	0.25	0.22	0.15	0.17	25.94	24.08	22.23	18.53
80-10HV20B102K	10HV20B102K	X7R	0.001	1000	10%	0.25	0.22	0.2	0.17	22.05	20.48	18.90	17.33
80-20HV11B102P	20HV11B102P	X7R	0.001	2000	0/+100%	0.32	0.3	0.25	0.2	29.93	27.79	25.67	21.38
80-30HV22B102K	30HV22B102K	X7R	0.001	3000	10%	0.37	0.3	0.25	0.275	31.15	28.93	26.70	24.48
80-50HV24B102K	50HV24B102K	X7R	0.001	5000	10%	0.57	0.5	0.27	0.475	47.29	43.91	40.53	37.15
80-05HV20B103K	05HV20B103K	X7R	0.01	500	10%	0.25	0.22	0.2	0.17	33.60	31.20	28.80	26.40
80-05HV10B103K	05HV10B103K	X7R	0.01	500	10%	0.25	0.22	0.15	0.17	30.56	28.37	26.19	24.01
80-10HV20B103K	10HV20B103K	X7R	0.01	1000	10%	0.25	0.22	0.2	0.17	23.28	21.61	19.95	18.29
80-10HV12B103Z	10HV12B103Z	X7R	0.01	1000	-20%/80%	0.42	0.4	0.25	0.3	33.78	31.36	28.95	24.13
80-20HV13B103P	20HV13B103P	X7R	0.01	2000	0/+100%	0.52	0.5	0.3	0.4	46.24	42.93	39.63	33.03
80-30HV14B103K	30HV14B103K	X7R	0.01	3000	10%	0.62	0.5	0.3	0.5	81.24	75.43	69.63	63.83
80-10HV24B104K	10HV24B104K	X7R	0.1	1000	10%	0.57	0.5	0.27	0.475	44.10	40.95	37.80	34.65
80-10HV25B224K	10HV25B224K	X7R	0.22	1000	10%	0.67	0.6	0.27	0.575	69.83	64.84	59.85	54.86
80-05HV24B105K	05HV24B105K	X7R	1	500	10%	0.57	0.5	0.27	0.475	87.99	81.71	75.42	69.14

KEMET HIGH TEMPERATURE C3 CERAMIC CASED CAPACITORS

Specifications:
- Elimination of cracking through uniform coefficient of linear expansion
- No "pull away" of epoxy potting from epoxy case at elevated temperatures
- Resistant to moisture penetration
- Superior volumetric efficiency
- Patented design

Applications:
- Down Hole
- Industrial
- Harsh Environment

For quantities of 50 and up, call for quo

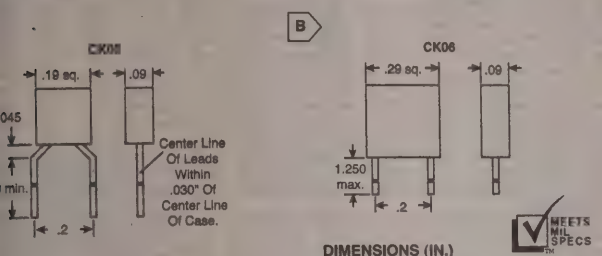
MOUSER STOCK NO.	Kemet Part No.	Temp. Coef	Value (µF)	Volt (Vdc)	Tol. + -	Inches (Max) (W)	(L)	(T)	Lead Spacing (S)	Price Each 1	5	10	20
Radial Lead C3 Standard (+125°C)													
80-SRR05D101KGS	SRR05D101KGS	X7R	100pF	100	10%	0.2	0.2	0.1	0.2	10.55	9.78	9.03	7.53
80-SRR05B104KGS	SRR05B104KGS	X7R	0.1	50	10%	0.2	0.2	0.1	0.2	18.20	16.90	15.60	13.00
Radial Lead C3 High Temperature (+200°C)													
80-ACR05B100KGS	ACR05B100KGS	C0G	10pF	50	10%	0.2	0.2	0.1	0.2	11.87	11.02	10.17	8.48
80-ACR05B220KGS	ACR05B220KGS	C0G	22pF	50	10%	0.2	0.2	0.1	0.2	11.87	11.02	10.17	8.48
80-ACR05B330KGS	ACR05B330KGS	C0G	33pF	50	10%	0.2	0.2	0.1	0.2	11.87	11.02	10.17	8.48
80-ACR05B680KGS	ACR05B680KGS	C0G	68pF	50	10%	0.2	0.2	0.1	0.2	13.97	12.97	11.97	9.98
80-ACR05B101KGS	ACR05B101KGS	C0G	100pF	50	10%	0.2	0.2	0.1	0.2	13.97	12.97	11.97	9.98
80-ACR05B271KGS	ACR05B271KGS	C0G	270pF	50	10%	0.2	0.2	0.1	0.2	13.97	12.97	11.97	9.98
80-ACR05B471JGS	ACR05B471JGS	C0G	470pF	50	5%	0.2	0.2	0.1	0.2	18.17	16.87	15.57	12.98
80-ACR05B471KGS	ACR05B471KGS	C0G	470pF	50	10%	0.2	0.2	0.1	0.2	13.97	12.97	11.97	9.98
80-ACR05B102KGS	ACR05B102KGS	C0G	0.001	50	10%	0.2	0.2	0.1	0.2	13.97	12.97	11.97	9.98
80-ACR05D103JGS	ACR05D103JGS	C0G	0.01	100	5%	0.2	0.2	0.1	0.2	35.04	32.53	30.03	27.53
80-ACR06D103KGS	ACR06D103KGS	C0G	0.01	100	10%	0.3	0.3	0.1	0.2	35.04	32.53	30.03	27.53
80-ARR05B103KGS	ARR05B103KGS	X7R	0.01	50	10%	0.2	0.2	0.1	0.2	19.18	17.81	16.44	15.07
80-ARR05B153KGS	ARR05B153KGS	X7R	0.015	50	10%	0.2	0.2	0.1	0.2	15.89	14.76	13.62	11.35
80-ARR05B104KGS	ARR05B104KGS	X7R	0.1	50	10%	0.2	0.2	0.1	0.2	21.56	20.02	18.48	16.94
80-ARR07B104KGS	ARR07B104KGS	X7R	0.1	50	10%	0.3	0.3	0.15	0.2	19.60	18.20	16.80	14.00
80-ARR06D104KGS	ARR06D104KGS	X7R	0.1	100	10%	0.3	0.3	0.1	0.2	25.48	23.66	21.84	20.02
80-ARR06B154KGS	ARR06B154KGS	X7R	0.15	50	10%	0.3	0.3	0.1	0.2	19.60	18.20	16.80	14.00
80-ARR07B105KGS	ARR07B105KGS	X7R	1	50	10%	0.3	0.3	0.15	0.2	28.60	26.55	24.51	20.43
80-ARR07D105KGS	ARR07D105KGS	X7R	1	100	10%	0.3	0.3	0.15	0.2	41.97	38.97	35.97	32.97
80-ARR08D105JGS	ARR08D105JGS	X7R	1	100	5%	0.5	0.5	0.1	0.4	41.97	38.97	35.97	32.97
Axial Lead C3 High Temperature (+200°C)													
80-ARA16B103KGS	ARA16B103KGS	X7R	0.01	50	10%	- - -	0.17	0.03	- - -	23.00	21.35	19.71	18.07
80-ARA25B104KGS	ARA25B104KGS	X7R	0.1	50	10%	- - -	0.28	0.1	- - -	19.57	18.17	16.77	15.37
Radial Lead C3 High Temperature (+260°C)													
80-TCR06B103JGS	TCR06B103JGS	C0G	0.01	50	5%	0.3	0.3	0.1	0.2	44.94	41.73	38.52	32.10
80-TRR06B105KGS	TRR06B105KGS	X7R	1	50	10%	0.3	0.3	0.1	0.2	60.55	54.49	48.44	43.60

MULTILAYER CERAMIC CAPACITORS

cations:

nce: ±10%
ting temperature: -55°C to +125°C

- Molded Case
- MIL spec MIL-C-11015/18 or MIL-C-11015/20



DIMENSIONS (IN.)

MEETS MIL SPECS

Series

For quantities of 500 and up, call for quote.

MOUSER OCK NO.	Mallory Part No.	Fig.	Volt (DC)	Value (pF)	Price Each 1	10	100	200
CK05100K	CK05BX100K	A	200	10	.34	.27	.24	.21
CK05120K	CK05BX120K	A	200	12	.41	.33	.30	.26
CK05150K	CK05BX150K	A	200	15	.41	.33	.30	.26
CK05180K	CK05BX180K	A	200	18	.41	.33	.30	.26
CK05220K	CK05BX220K	A	200	22	.29	.23	.21	.19
CK05330K	CK05BX330K	A	200	33	.34	.27	.24	.21
CK05390K	CK05BX390K	A	200	39	.29	.23	.21	.19
CK05470K	CK05BX470K	A	200	47	.29	.23	.21	.19
CK05560K	CK05BX560K	A	200	56	.41	.33	.30	.26
CK05680K	CK05BX680K	A	200	68	.34	.27	.24	.21
CK05820K	CK05BX820K	A	200	82	.34	.27	.24	.21
CK05101K	CK05BX101K	A	200	100	.29	.23	.21	.19
CK05121K	CK05BX121K	A	200	120	.41	.33	.30	.26
CK05151K	CK05BX151K	A	200	150	.34	.27	.24	.21
CK05181K	CK05BX181K	A	200	180	.34	.27	.24	.21
CK05221K	CK05BX221K	A	200	220	.34	.27	.24	.21
CK05271K	CK05BX271K	A	200	270	.41	.33	.30	.26
CK05331K	CK05BX331K	A	200	330	.34	.27	.24	.21
CK05391K	CK05BX391K	A	200	390	.41	.33	.30	.26
CK05471K	CK05BX471K	A	200	470	.34	.27	.24	.21
CK05681K	CK05BX681K	A	200	680	.34	.27	.24	.21
CK05821K	CK05BX821K	A	200	820	.34	.27	.24	.21
CK05102K	CK05BX102K	A	200	1000	.29	.23	.21	.19
CK05122K	CK05BX122K	A	100	1200	.41	.33	.30	.26
CK05152K	CK05BX152K	A	100	1500	.41	.33	.30	.26

CK05 Series (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Fig.	Volt (DC)	Value (μF)	Price Each 1	10	100	200
539-CK05182K	CK05BX182K	A	100	1800pF	.41	.33	.30	.26
539-CK05222K	CK05BX222K	A	100	2200pF	.34	.27	.24	.21
539-CK05272K	CK05BX272K	A	100	2700pF	.41	.33	.30	.26
539-CK05332K	CK05BX332K	A	100	3300pF	.41	.33	.30	.26
539-CK05472K	CK05BX472K	A	100	4700pF	.29	.23	.21	.19
539-CK05562K	CK05BX562K	A	100	5600pF	.41	.33	.30	.26
539-CK05682K	CK05BX682K	A	100	6800pF	.34	.27	.24	.22
539-CK05822K	CK05BX822K	A	100	8200pF	.42	.33	.30	.27
539-CK05103K	CK05BX103K	A	100	.01	.27	.21	.19	.17
539-CK05123K	CK05BX123K	A	50	.012	.52	.42	.37	.33
539-CK05153K	CK05BX153K	A	50	.015	.52	.42	.37	.33
539-CK05183K	CK05BX183K	A	50	.018	.52	.42	.37	.33
539-CK05223K	CK05BX223K	A	50	.022	.37	.30	.27	.24
539-CK05273K	CK05BX273K	A	50	.027	.52	.42	.37	.33
539-CK05333K	CK05BX333K	A	50	.033	.47	.37	.34	.30
539-CK05393K	CK05BX393K	A	50	.039	.57	.46	.41	.37
539-CK05473K	CK05BX473K	A	50	.047	.47	.37	.34	.30
539-CK05683K	CK05BX683K	A	50	.068	.57	.46	.41	.37
539-CK05823K	CK05BX823K	A	50	.082	.55	.44	.39	.35
539-CK05104K	CK05BX104K	A	50	.1	.39	.31	.28	.25

CK06 Series

For quantities of and up, call for quote.

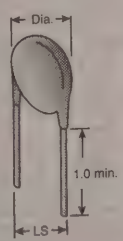
MOUSER STOCK NO.	Mallory Part No.	Fig.	Volt (DC)	Value (μF)	Price Each 1	10	100	200
539-CK06222K	CK06BX222K	B	200	2200pF	.45	.36	.32	.28
539-CK06332K	CK06BX332K	B	200	3300pF	.45	.36	.32	.28
539-CK06472K	CK06BX472K	B	200	4700pF	.45	.36	.32	.28
539-CK06103K	CK06BX103K	B	200	.01	.45	.36	.32	.28
539-CK06153K	CK06BX153K	B	100	.015	.55	.44	.39	.35
539-CK06223K	CK06BX223K	B	100	.022	.55	.44	.39	.35
539-CK06473K	CK06BX473K	B	100	.047	.60	.48	.43	.38
539-CK06683K	CK06BX683K	B	100	.068	.60	.48	.43	.38
539-CK06104K	CK06BX104K	B	100	.1	.60	.48	.43	.38
539-CK06154K	CK06BX154K	B	50	.15	1.51	1.22	1.09	.97
539-CK06224K	CK06BX224K	B	50	.22	1.77	1.41	1.28	1.13
539-CK06334K	CK06BX334K	B	50	.33	2.29	1.83	1.65	1.46
539-CK06474K	CK06BX474K	B	50	.47	3.12	2.50	2.25	2.00
539-CK06684K	CK06BX684K	B	50	.68	3.90	3.12	2.81	2.50
539-CK06105K	CK06BX105K	B	50	1.0	2.98	2.38	2.14	1.90

HIGH VOLTAGE CERAMIC DISC CAPACITORS

acitors are coated with tough humidity resistant coating and primarily designed for noncritical
g, bypass and filter applications.

ifications:

kdown voltage: 2.5x rated (5 sec. max.)
lation resistance: 10GΩ min.
er factor: 2.5% max.
frequency: 1KHz
rating temperture: -30°C to +85°C .
er values and voltages also available
igned around EIA Test Spec. RS- 165A
d for use in non-critical coupling, bypass, and
applications.



DIMENSIONS (IN.)

Series

For quantities of 1,000 and up, call for quote.

MOUSER TOCK NO.	Mallory Part No.	Volt (DC)	Value (pF)	Temp. Coeff.	Tol. ± %	Dia. Max	LS	Price Each 1	100	500
-GM220K	GM220K	500	20	SL	10	.236	.252	.27	.16	.15
-GM101K	GM101K	500	100	Y5P	10	.236	.252	.26	.15	.14
-GM221K	GM221K	500	220	Y5P	10	.236	.252	.26	.15	.14
-GM331K	GM331K	500	330	Y5P	10	.236	.252	.26	.15	.14
-GM471K	GM471K	500	470	Y5P	10	.236	.252	.26	.15	.14
-GM681K	GM681K	500	680	Y5P	10	.236	.252	.26	.15	.14
-GM102M	GM102M	500	1000	Y5U	20	.236	.252	.26	.15	.14
-GM102K	GM102K	500	1000	Y5P	10	.236	.252	.26	.15	.14
-GM102Z	GM102Z	500	1000	Y5U	-20 +80	.236	.252	.26	.15	.14
-GM222K	GM222K	500	2200	Y5P	10	.339	.252	.32	.20	.19
-GM332M	GM332M	500	3300	Y5U	20	.291	.252	.34	.21	.18
-GM472K	GM472K	500	4700	Y5P	10	.492	.252	.67	.40	.39
-GM103M	GM103M	500	.01μF	Y5P	20	.642	.374	1.26	.76	.74
-GM103K	GM103K	500	.01μF	Y5U	10	.482	.252	.66	.40	.39
-GM223Z	GM223Z	500	.022μF	Y5U	-20 +80	.642	.374	1.38	.85	.73

GP Series

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Volt (DC)	Value (pF)	Temp. Coeff.	Tol.± %.	Dia. Max	LS	Price Each 1	100	500
539-GP550	GP550	1000	5	SL	.25pF	.236	.252	.15	.10	.09
539-GP410	GP410	1000	10	SL	.5pF	.236	.252	.20	.15	.12
539-GP415	GP415	1000	15	SL	10	.236	.252	.15	.10	.09
539-GP422	GP422	1000	22	SL	10	.236	.252	.15	.10	.09
539-GP427	GP427	1000	27	SL	10	.236	.252	.15	.10	.09
539-GP433	GP433	1000	33	SL	10	.236	.252	.15	.10	.09
539-GP447	GP447	1000	47	SL	10	.236	.252	.15	.10	.09
539-GP310	GP310	1000	100	Y5P	10	.236	.25	.13	.08	.075
539-GP322	GP322	1000	220	Y5P	10	.236	.252	.13	.08	.075
539-GP327	GP327	1000	270	SL	10	.236	.252	.13	.08	.075
539-GP333	GP333	1000	330	Y5P	10	.236	.252	.13	.08	.075
539-GP347	GP347	1000	470	Y5P	10	.236	.25	.18	.14	.11
539-GP356	GP356	1000	560	Y5P	10	.236	.252	.13	.08	.075
539-GP368	GP368	1000	680	Y5P	10	.236	.252	.14	.08	.075
539-GP210	GP210	1000	1000	Y5P	10	.291	.25	.15	.09	.08
539-GP222	GP222	1000	2200	Y5P	10	.374	.25	.24	.14	.13
539-GP247	GP247	1000	4700	Y5U	20	.433	.25	.28	.17	.15
539-GP110	GP110	1000	.01μF	Y5U	20	.590	.375	.47	.28	.26
539-GP122	GP122	1000	.022μF	Y5U	20	.748	.374	.68	.41	.40

HT Series

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Volt (DC)	Value (pF)	Temp. Coeff.	Tol. ± %	Dia. Max	LS	Price Each 1	100	500
539-HT471K	HT471K	3000	470	Y5P	10	.394	.375	.45	.27	.25
539-HT102M	HT102M	3000	1000	Y5U	20	.394	.375	.48	.29	.26
539-HT222M	HT222M	3000	2200	Y5U	20	.590	.375	.26	.15	.14
539-HT472M	HT472M	3000	4700	Y5U	20	.787	.375	1.34	.80	.67

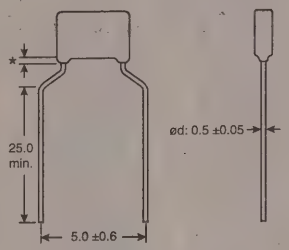
MURATA RPE Series Mutilayer Ceramic Radial Capacitors

muRata
Innovator in Electro

MURATA MUTILAYER CERAMIC RADIAL CAPACITORS

Specifications:

- Temperature Characteristics:
  C0G ±30ppm/°C from -55°C to +125°C
  X7R ±15% from -55°C to +125°C
  Z5U -56%, +22% from +10°C to +85°C
- Case Size: 5.0 x 3.5mm
- Lead Space: 5.0mm
- D.F.: <ø.8% @ 1kHz



LEAD-FREE

* Coating extension does not exceed the end of lead bend

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Tol. ±	Price Each 1	25	50	100
C0G 50 Volts							
81-RPE5CH1R0C2P1B03B	RPE5C1H1R0C2P1B03B	1.0	±.25pF	.26	.20	.18	.16
81-RPE5C1H1R2C2P1B03	RPE5C1H1R2C2P1B03B	1.2	±.25pF	.26	.20	.18	.16
81-RPE5C1H1R5C2P1B03	RPE5C1H1R5C2P1B03B	1.5	±.25pF	.26	.20	.18	.16
81-RPE5CH2R0C2P1B03B	RPE5C1H2R0C2P1B03B	2.0	±.25pF	.26	.20	.18	.16
81-RPE5C1H2R2C2P1B03	RPE5C1H2R2C2P1B03B	2.2	±.25pF	.26	.20	.18	.16
81-RPE5C1H2R7C2P1B03	RPE5C1H2R7C2P1B03B	2.7	±.25pF	.26	.20	.18	.16
81-RPE5C1H3R0C2P1B03	RPE5C1H3R0C2P1B03B	3.0	±.25pF	.26	.20	.18	.16
81-RPE5C1H3R3C2P1B03	RPE5C1H3R3C2P1B03B	3.3	±.25pF	.26	.20	.18	.16
81-RPE5C1H3R9C2P1B03	RPE5C1H3R9C2P1B03B	3.9	±.25pF	.26	.20	.18	.16
81-RPE5CH4R0C2P1B03B	RPE5C1H4R0C2P1B03B	4.0	±.25pF	.26	.20	.18	.16
81-RPE5C1H4R7C2P1B03	RPE5C1H4R7C2P1B03B	4.7	±.25pF	.26	.20	.18	.16
81-RPE5C1H5R1C2P1B03	RPE5C1H5R1C2P1B03B	5.1	±.25pF	.33	.25	.23	.21
81-RPE5C1H5R6C2P1B03	RPE5C1H5R6C2P1B03B	5.6	±.25pF	.33	.25	.23	.21
81-RPE5C1H6R0D2P1B03	RPE5C1H6R0D2P1B03B	6.0	±.5pF	.33	.25	.23	.21
81-RPE5C1H6R8C2P1B03	RPE5C1H6R8C2P1B03B	6.8	±.25pF	.33	.25	.23	.21
81-RPE5C1H7R0D2P1Z03	RPE5C1H7R0D2P1Z03B	7.0	±.5pF	.33	.25	.23	.21
81-RPE5C1H8R0D2P1Z03	RPE5C1H8R0D2P1Z03B	8.0	±.5pF	.33	.25	.23	.21
81-RPE5C1H8R2C2P1Z03	RPE5C1H8R2C2P1Z03B	8.2	±.25pF	.33	.25	.23	.21
81-RPE5C1H9R0D2P1Z03	RPE5C1H9R0D2P1Z03B	9.0	±.5pF	.33	.25	.23	.21
81-RPE5C1H9R1C2P1Z03	RPE5C1H9R1C2P1Z03B	9.1	±.25pF	.33	.25	.23	.21
81-RPE5C1H100J2P1Z03	RPE5C1H100J2P1Z03B	10	±5%	.26	.20	.18	.16
81-RPE5C1H120J2P1Z03	RPE5C1H120J2P1Z03B	12	±5%	.26	.20	.18	.16
81-RPE5C1H130J2P1Z03	RPE5C1H130J2P1Z03B	13	±5%	.26	.20	.18	.16
81-RPE5C1H150J2P1Z03	RPE5C1H150J2P1Z03B	15	±5%	.26	.20	.18	.16
81-RPE5C1H180J2P1Z03	RPE5C1H180J2P1Z03B	18	±5%	.26	.20	.18	.16
81-RPE5C1H200J2P1Z03	RPE5C1H200J2P1Z03B	20	±5%	.26	.20	.18	.16
81-RPE5C1H220J2P1Z03	RPE5C1H220J2P1Z03B	22	±5%	.26	.20	.18	.16
81-RPE5C1H240J2P1Z03	RPE5C1H240J2P1Z03B	24	±5%	.26	.20	.18	.16
81-RPE5C1H270J2P1Z03	RPE5C1H270J2P1Z03B	27	±5%	.26	.20	.18	.16
81-RPE5C1H300J2P1Z03	RPE5C1H300J2P1Z03B	30	±5%	.26	.20	.18	.16
81-RPE5C1H330J2P1Z03	RPE5C1H330J2P1Z03B	33	±5%	.26	.20	.18	.16
81-RPE5C1H390J2P1Z03	RPE5C1H390J2P1Z03B	39	±5%	.26	.20	.18	.16
81-RPE5C1H430J2P1Z03	RPE5C1H430J2P1Z03B	43	±5%	.26	.20	.18	.16
81-RPE5C1H470J2P1Z03	RPE5C1H470J2P1Z03B	47	±5%	.26	.20	.18	.16
81-RPE5C1H510J2P1Z03	RPE5C1H510J2P1Z03B	51	±5%	.26	.20	.18	.16
81-RPE5C1H560J2P1Z03	RPE5C1H560J2P1Z03B	56	±5%	.26	.20	.18	.16
81-RPE5C1H680J2P1Z03	RPE5C1H680J2P1Z03B	68	±5%	.26	.20	.18	.16
81-RPE5C1H750J2P1Z03	RPE5C1H750J2P1Z03B	75	±5%	.26	.20	.18	.16
81-RPE5C1H820J2P1Z03	RPE5C1H820J2P1Z03B	82	±5%	.26	.20	.18	.16
81-RPE5C1H910J2P1Z03	RPE5C1H910J2P1Z03B	91	±5%	.26	.20	.18	.16
81-RPE5C1H101J2P1A03	RPE5C1H101J2P1A03B	100	±5%	.27	.21	.19	.17
81-RPE5C1H121J2P1A03	RPE5C1H121J2P1A03B	120	±5%	.27	.21	.19	.17
81-RPE5C1H151J2P1A03	RPE5C1H151J2P1A03B	150	±5%	.27	.21	.19	.17
81-RPE5C1H181J2P1A03	RPE5C1H181J2P1A03B	180	±5%	.27	.21	.19	.17
81-RPE5C1H221J2P1A03	RPE5C1H221J2P1A03B	220	±5%	.27	.21	.19	.17
81-RPE5C1H271J2P1A03	RPE5C1H271J2P1A03B	270	±5%	.27	.21	.19	.17
81-RPE5C1H301J2P1A03	RPE5C1H301J2P1A03B	300	±5%	.29	.22	.20	.18
81-RPE5C1H331J2P1A03	RPE5C1H331J2P1A03B	330	±5%	.29	.22	.20	.18
81-RPE5C1H361J2P1A03	RPE5C1H361J2P1A03B	360	±5%	.29	.22	.20	.18
81-RPE5C1H391J2P1A03	RPE5C1H391J2P1A03B	390	±5%	.29	.22	.20	.18
81-RPE5C1H471J2P1A03	RPE5C1H471J2P1A03B	470	±5%	.29	.22	.20	.18
81-RPE5C1H561J2P1A03	RPE5C1H561J2P1A03B	560	±5%	.29	.22	.20	.18
81-RPE5C1H681J2P1A03	RPE5C1H681J2P1A03B	680	±5%	.31	.24	.22	.20
81-RPE5C1H821J2P1A03	RPE5C1H821J2P1A03B	820	±5%	.31	.24	.22	.20
81-RPE5C1H102J2P1A03	RPE5C1H102J2P1A03B	1000	±5%	.34	.26	.24	.22
81-RPE5C1H122J2P1A03	RPE5C1H122J2P1A03B	1200	±5%	.34	.26	.24	.22
81-RPE5C1H152J2P1A03	RPE5C1H152J2P1A03B	1500	±5%	.42	.32	.29	.26
81-RPE5C1H182J2P1C03	RPE5C1H182J2P1C03B	1800	±5%	.42	.32	.29	.26
81-RPE5C1H222J2P1C03	RPE5C1H222J2P1C03B	2200	±5%	.42	.32	.29	.26
X7R 50 Volts							
81-RPER71H221K2P1A03	RPER71H221K2P1A03B	220	±10%	.20	.15	.14	.13
81-RPER71H331K2P1A03	RPER71H331K2P1A03B	330	±10%	.20	.15	.14	.13
81-RPER71H391K2P1A03	RPER71H391K2P1A03B	390	±10%	.20	.15	.14	.13
81-RPER71471K2P1A03B	RPER71H471K2P1A03B	470	±10%	.20	.15	.14	.13
81-RPER71H561K2P1A03	RPER71H561K2P1A03B	560	±10%	.20	.15	.14	.13
81-RPER71681K2P1A03B	RPER71H681K2P1A03B	680	±10%	.20	.15	.14	.13
81-RPER71H821K2P1A03	RPER71H821K2P1A03B	820	±10%	.20	.15	.14	.13
81-RPER71102K2P1A03B	RPER71H102K2P1A03B	1000	±10%	.20	.15	.14	.13
81-RPER71H122K2P1A03	RPER71H122K2P1A03B	1200	±10%	.20	.15	.14	.13
81-RPER71152K2P1A03B	RPER71H152K2P1A03B	1500	±10%	.20	.15	.14	.13
81-RPER71H182K2P1A03	RPER71H182K2P1A03B	1800	±10%	.20	.15	.14	.13
81-RPER71222K2P1A03B	RPER71H222K2P1A03B	2200	±10%	.20	.15	.14	.13
81-RPER71H272K2P1A03	RPER71H272K2P1A03B	2700	±10%	.20	.15	.14	.13
81-RPER71332K2P1A03B	RPER71H332K2P1A03B	3300	±10%	.20	.15	.14	.13
81-RPER71H392K2P1A03	RPER71H392K2P1A03B	3900	±10%	.20	.15	.14	.13

For quantities of 250 and up, call for qu

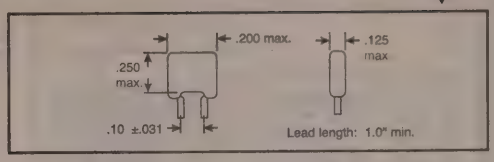
MOUSER STOCK NO.	Murata Part No.	Value (pF)	Tol. ±	Price Each 1	25	50	1
X7R 50 Volts (Cont.)							
81-RPER71472K2P1A03B	RPER71H472K2P1A03B	4700	±10%	.20	.15	.14	.
81-RPER71H562K2P1A03	RPER71H562K2P1A03B	5600	±10%	.20	.15	.14	.
81-RPER71682K2P1A03B	RPER71H682K2P1A03B	6800	±10%	.20	.15	.14	.
81-RPER71H103K2P1A03	RPER71H103K2P1A03B	.01µF	±10%	.20	.15	.14	.
81-RPER71153K2P1A03B	RPER71H153K2P1A03B	.015µF	±10%	.20	.15	.14	.
81-RPER71H183K2P1A03	RPER71H183K2P1A03B	.018µF	±10%	.20	.15	.14	.
81-RPER71223K2P1A03B	RPER71H223K2P1A03B	.022µF	±10%	.20	.15	.14	.
81-RPER71333K2P1A03B	RPER71H333K2P1A03B	.033µF	±10%	.20	.15	.14	.
81-RPER71473K2P1A03B	RPER71H473K2P1A03B	.047µF	±10%	.20	.15	.14	.
81-RPER71563K2P1A03B	RPER71H563K2P1A03B	.056µF	±10%	.29	.22	.20	.
81-RPER71H683K2P1A03	RPER71H683K2P1A03B	.068µF	±10%	.29	.22	.20	.
81-RPER71H104K2P1A03	RPER71H104K2P1A03B	.1µF	±10%	.29	.22	.20	.
Z5U 50 Volt							
81-RPEE41H102M2P1A03	RPEE41H102M2P1A03B	1000	±20%	.20	.15	.14	.
81-RPEE41H222M2P1A03	RPEE41H222M2P1A03B	2200	±20%	.20	.15	.14	.
81-RPEE41H332M2P1A03	RPEE41H332M2P1A03B	3300	±20%	.20	.15	.14	.
81-RPEE41H472M2P1A03	RPEE41H472M2P1A03B	4700	±20%	.20	.15	.14	.
81-RPEE41103M2P1A03B	RPEE41H103M2P1A03B	.01µF	±20%	.20	.15	.14	.
81-RPEE41223M2P1A03B	RPEE41H223M2P1A03B	.022µF	±20%	.20	.15	.14	.
81-RPEE41H333M2P1A03	RPEE41H333M2P1A03B	.033µF	±20%	.20	.15	.14	.
81-RPEE41473M2P1A03B	RPEE41H473M2P1A03B	.047µF	±20%	.20	.15	.14	.
81-RPE131Z104M50	RPEE41H104M2P1A03B	.1µF	±20%	.20	.15	.14	.
C0G 100 Volts							
81-RPE5CA1R0C2P1B03B	RPE5C2A1R0C2P1B03B	1.0	±.25pF	.26	.21	.19	.
81-RPE5C2A1R2C2P1B03	RPE5C2A1R2C2P1B03B	1.2	±.25pF	.26	.21	.19	.
81-RPE5C2A1R5C2P1B03	RPE5C2A1R5C2P1B03B	1.5	±.25pF	.26	.21	.19	.
81-RPE5C2A1R8C2P1B03	RPE5C2A1R8C2P1B03B	1.8	±.25pF	.26	.21	.19	.
81-RPE5CA2R0C2P1B03B	RPE5C2A2R0C2P1B03B	2.0	±.25pF	.26	.21	.19	.
81-RPE5C2A2R2C2P1B03	RPE5C2A2R2C2P1B03B	2.2	±.25pF	.26	.21	.19	.
81-RPE5C2A2R7C2P1B03	RPE5C2A2R7C2P1B03B	2.7	±.25pF	.26	.21	.19	.
81-RPE5CA3R0C2P1B03B	RPE5C2A3R0C2P1B03B	3.0	±.25pF	.26	.21	.19	.
81-RPE5C2A3R3C2P1B03	RPE5C2A3R3C2P1B03B	3.3	±.25pF	.26	.21	.19	.
81-RPE5C2A3R6C2P1B03	RPE5C2A3R6C2P1B03B	3.6	±.25pF	.26	.21	.19	.
81-RPE5C2A3R9C2P1B03	RPE5C2A3R9C2P1B03B	3.9	±.25pF	.26	.21	.19	.
81-RPE5C2A4R7C2P1B03	RPE5C2A4R7C2P1B03B	4.7	±.25pF	.26	.21	.19	.
81-RPE5CA5R0C2P1B03B	RPE5C2A5R0C2P1B03B	5.0	±.25pF	.26	.21	.19	.
81-RPE5C2A5R6C2P1B03	RPE5C2A5R6C2P1B03B	5.6	±.25pF	.31	.25	.23	.
81-RPE5C2A6R2C2P1B03	RPE5C2A6R2C2P1B03B	6.2	±.25pF	.31	.25	.23	.
81-RPE5C2A6R8C2P1B03	RPE5C2A6R8C2P1B03B	6.8	±.25pF	.31	.25	.23	.
81-RPE5CA100J2P1Z03B	RPE5C2A100J2P1Z03B	10	±5%	.31	.25	.23	.
81-RPE5C2A110J2P1Z03	RPE5C2A110J2P1Z03B	11	±5%	.26	.21	.19	.
81-RPE5C2A120J2P1Z03	RPE5C2A120J2P1Z03B	12	±5%	.26	.21	.19	.
81-RPE5C2A130J2P1Z03	RPE5C2A130J2P1Z03B	13	±5%	.26	.21	.19	.
81-RPE5CA150J2P1Z03B	RPE5C2A150J2P1Z03B	15	±5%	.26	.21	.19	.
81-RPE5C2A160J2P1Z03	RPE5C2A160J2P1Z03B	16	±5%	.26	.21	.19	.
81-RPE5CA180J2P1Z03B	RPE5C2A180J2P1Z03B	18	±5%	.26	.21	.19	.
81-RPE5C2A200J2P1Z03	RPE5C2A200J2P1Z03B	20	±5%	.26	.21	.19	.
81-RPE5CA220J2P1Z03B	RPE5C2A220J2P1Z03B	22	±5%	.26	.21	.19	.
81-RPE5C2A240J2P1Z03	RPE5C2A240J2P1Z03B	24	±5%	.26	.21	.19	.
81-RPE5CA270J2P1Z03B	RPE5C2A270J2P1Z03B	27	±5%	.26	.21	.19	.
81-RPE5C2A300J2P1Z03	RPE5C2A300J2P1Z03B	30	±5%	.26	.21	.19	.
81-RPE5CA330J2P1Z03B	RPE5C2A330J2P1Z03B	33	±5%	.26	.21	.19	.
81-RPE5CA390J2P1Z03B	RPE5C2A390J2P1Z03B	39	±5%	.26	.21	.19	.
81-RPE5C2A430J2P1Z03	RPE5C2A430J2P1Z03B	43	±5%	.26	.21	.19	.
81-RPE5CA470J2P1Z03B	RPE5C2A470J2P1Z03B	47	±5%	.26	.21	.19	.
81-RPE5C2A560J2P1Z03	RPE5C2A560J2P1Z03B	56	±5%	.26	.21	.19	.
81-RPE5C2A750J2P1Z03	RPE5C2A750J2P1Z03B	75	±5%	.26	.21	.19	.
81-RPE5C2A820J2P1Z03	RPE5C2A820J2P1Z03B	82	±5%	.26	.21	.19	.
81-RPE5C2A910J2P1Z03	RPE5C2A910J2P1Z03B	91	±5%	.26	.21	.19	.
81-RPE5CA101J2P1Z03B	RPE5C2A101J2P1Z03B	100	±5%	.26	.21	.19	.
81-RPE5C2A121J2P1Z03	RPE5C2A121J2P1Z03B	120	±5%	.26	.21	.19	.
81-RPE5C2A151J2P1Z03	RPE5C2A151J2P1Z03B	150	±5%	.26	.21	.19	.
81-RPE5CA181J2P1Z03B	RPE5C2A181J2P1Z03B	180	±5%	.26	.21	.19	.
81-RPE5C2A201J2P1Z03	RPE5C2A201J2P1Z03B	200	±5%	.26	.21	.19	.
81-RPE5C2A221J2P1Z03	RPE5C2A221J2P1Z03B	220	±5%	.26	.21	.19	.
81-RPE5CA271J2P1Z03B	RPE5C2A271J2P1Z03B	270	±5%	.26	.21	.19	.
81-RPE5C2A301J2P1Z03	RPE5C2A301J2P1Z03B	300	±5%	.29	.23	.21	.
81-RPE5C2A331J2P1Z03	RPE5C2A331J2P1Z03B	330	±5%	.29	.23	.21	.
81-RPE5C2A391J2P1Z03	RPE5C2A391J2P1Z03B	390	±5%	.29	.23	.21	.
81-RPE5C2A431J2P1Z03	RPE5C2A431J2P1Z03B	430	±5%	.30	.24	.22	.
81-RPE5C2A471J2P1Z03	RPE5C2A471J2P1Z03B	470	±5%	.30	.24	.22	.
81-RPE5CA561J2P1B03B	RPE5C2A561J2P1B03B	560	±5%	.30	.24	.22	.
81-RPE5C2A681J2P1B03	RPE5C2A681J2P1B03B	680	±5%	.30	.24	.22	.
81-RPE5C2A751J2P1B03	RPE5C2A751J2P1B03B	750	±5%	.30	.24	.22	.
81-RPE5CA821J2P1B03B	RPE5C2A821J2P1B03B	820	±5%	.30	.24	.22	.
81-RPE5CA102J2P1B03B	RPE5C2A102J2P1B03B	1000	±5%	.35	.28	.26	.
X7R 100 Volts							
81-RPER72A221K2P1B03	RPER72A221K2P1B03B	220	±10%	.23	.18	.17	.
81-RPER72A271K2P1B03	RPER72A271K2P1B03B	270	±10%	.23	.18	.17	.
81-RPER72331K2P1B03B	RPER72A331K2P1B03B	330	±10%	.23	.18	.17	.
81-RPER72471K2P1B03B	RPER72A471K2P1B03B	470	±10%	.23	.18	.17	.
81-RPER72681K2P1B03B	RPER72A681K2P1B03B	680	±10%	.23	.18	.17	.
81-RPER72A821K2P1B03	RPER72A821K2P1B03B	820	±10%	.23	.18	.17	.
81-RPER72A102K2P1A03	RPER72A102K2P1A03B	1000	±10%	.21	.17	.16	.
81-RPER72A122K2P1A03	RPER72A122K2P1A03B	1200	±10%	.21	.17	.16	.
81-RPER72A152K2P1A03	RPER72A152K2P1A03B	1500	±10%	.21	.17	.16	.
81-RPER72A182K2P1A03	RPER72A182K2P1A03B	1800	±10%	.21	.17	.16	.
81-RPER72A222K2P1A03	RPER72A222K2P1A03B	2200	±10%	.21	.17	.16	.
81-RPER72A272K2P1A03	RPER72A272K2P1A03B	2700	±10%	.21	.17	.16	.
81-RPER72A332K2P1A03	RPER72A332K2P1A03B	3300	±10%	.21	.17	.16	.
81-RPER72A472K2P1A03	RPER72A472K2P1A03B	4700	±10%	.21	.17	.16	.
81-RPER72A562K2P1B03	RPER72A562K2P1B03B	5600	±10%	.29	.23	.21	.
81-RPER72A822K2P1B03	RPER72A822K2P1B03B	8200	±10%	.29	.23	.21	.
81-RPER72A123K2P1B03	RPER72A123K2P1B03B	.012µF	±10%	.29	.23	.21	.
Z5U 100 Volts							
81-RPEE42A332M2P1B03	RPEE42A332M2P1B03B	3300	±20%	.40	.32	.30	.
81-RPEE42472M2P1B03B	RPEE42A472M2P1B03B	4700	±20%	.40	.32	.30	.
81-RPEE42A682M2P1B03	RPEE42A682M2P1B03B	6800	±20%	.40	.32	.30	.
81-RPEE42103M2P1B03B	RPEE42A103M2P1B03B	.01µF	±20%	.40	.32	.30	.
81-RPEE42A153M2P1B03	RPEE42A153M2P1B03B	.015µF	±20%	.40	.32	.30	.

MOUSER ELECTRONICS a tti company

1C SERIES MULTILAYER CERAMIC RADIAL CAPACITORS

PERATURE CHARACTERISTICS	C0G	X7R	Z5U
erature range, °C	-55°C to +125°C	-55°C to +125°C	+10°C to +85°C
citance change without DC voltage	0±30 PPM/°C	±15%	+22%, -56%

DIMENSIONS (IN.)



For quantities of 5000 and up, call for quote.

USER STOCK NO.	Value (pF)	Price Each			
Mfr. Part No.		1	100	500	1000
VDC 5% Tolerance - C0G					
1C10C0G100J050B	10	.21	.18	.15	.12
1C10C0G220J050B	22	.21	.18	.15	.12
1C10C0G330J050B	33	.21	.18	.15	.12
1C10C0G470J050B	47	.21	.18	.15	.12
1C10C0G101J050B	100	.21	.18	.15	.12
1C10C0G331J050B	330	.21	.18	.15	.12
1C10C0G471J050B	470	.21	.18	.15	.12
1C10C0G102J050B	1000	.21	.18	.15	.12
WVDC 5% Tolerance - C0G					
1C10C0G100J100B	10	.21	.18	.15	.12
1C10C0G220J100B	22	.21	.18	.15	.12
1C10C0G330J100B	33	.21	.18	.15	.12
1C10C0G470J100B	47	.21	.18	.15	.12
1C10C0G101J100B	100	.21	.18	.15	.12
1C10C0G221J100B	220	.21	.18	.15	.12

For quantities 5000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Price Each			
Mfr. Mfr. Part No.		1	100	500	1000
100 WVDC 5% Tolerance - C0G (cont.)					
75—1C10C0G331J100B	330	.21	.18	.15	.12
75—1C10C0G471J100B	470	.21	.18	.15	.12
75—1C10C0G102J100B	1000	.26	.22	.19	.15
75—1C10C0G222J100B	2200	.31	.27	.22	.18
75—1C10C0G332J100B	3300	.47	.40	.33	.27
50 WVDC 10% Tolerance - X7R					
75—1C10X7R102K050B	1000	.13	.11	.09	.07
75—1C10X7R103K050B	.01µF	.14	.12	.10	.08
75—1C10X7R473K050B	.047µF	.19	.17	.14	.11
75—1C10X7R104K050B	.1µF	.14	.12	.10	.08
100 WVDC 10% Tolerance - X7R					
75—1C10X7R102K100B	1000	.18	.16	.13	.10
75—1C10X7R222K100B	2200	.19	.17	.14	.11
75—1C10X7R332K100B	3300	.19	.17	.14	.11
75—1C10X7R472K100B	4700	.20	.17	.15	.12
75—1C10X7R103K100B	.01µF	.15	.13	.11	.09

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Price Each			
Mfr. Mfr. Part No.		1	100	500	1000
100 WVDC 10% Tolerance - X7R (cont.)					
75—1C10X7R223K100B	.022	.20	.17	.15	.12
75—1C10X7R333K100B	.033	.20	.17	.15	.12
75—1C10X7R473K100B	.047	.20	.17	.15	.12
75—1C10X7R104K100B	.1	.23	.20	.17	.13
50 WVDC 20% Tolerance - Z5U					
75—1C10Z5U103M050B	.01	.13	.11	.09	.07
75—1C10Z5U333M050B	.033	.15	.13	.11	.09
75—1C10Z5U104M050B	.1	.10	.08	.07	.06
75—1C10Z5U224M050B	.22	.25	.21	.18	.14
75—1C10Z5U334M050B	.33	.30	.26	.22	.17
100 WVDC 20% Tolerance - Z5U					
75—1C10Z5U103M100B	.01	.16	.14	.12	.09
75—1C10Z5U223M100B	.022	.18	.15	.13	.10
75—1C10Z5U333M100B	.033	.19	.16	.14	.11
75—1C10Z5U473M100B	.047	.16	.14	.11	.09
75—1C10Z5U104M100B	.1	.19	.16	.14	.11

125L AND 440L SERIES AC LINE RATED DISC CAPACITORS

Line By-Pass and Antenna Coupling Types, X and Y EMI/RFI Filter

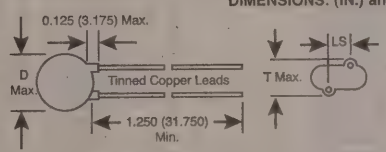
For quantities of 100 and up, call for quote.

USER STOCK NO.	Value (µF)	Case Code	Tol. %	Price Each			
Mfr. Part No.				1	10	25	50
VAC, 2kVDC							
-125LD10-R	0.001	F	20	.57	.55	.51	.44
-125LD47-R	0.0047	H	20	.62	.59	.55	.47
-125LD50-R	0.005	H3	20	.72	.69	.64	.55
-125LD68-R	0.0068	L	20	1.04	.91	.72	.59
-125LS10-R	0.01	L	20	.76	.72	.67	.58
-125LS20-R	0.02	W	20	2.02	1.93	1.80	1.54
-125LS30-R	0.03	X	20	2.02	1.93	1.80	1.54
-125LS50-R	0.05	Y	20	2.49	2.38	2.22	1.90
VAC, 4kVDC							
-440LT22-R	220pF	E	10	.57	.55	.51	.44
-440LT33-R	330pF	F	10	.57	.55	.51	.44
-440LT47-R	470	E	20	.73	.64	.50	.59
-440LD10-R	1000pF	G3	20	.58	.55	.51	.41
-440LD15-R	1500	D	20	.81	.71	.56	.46
-440LD22-R	2200pF	G3	20	.73	.70	.65	.56
-440LD33-R	3300pF	J	20	.86	.82	.76	.66
-440LD47-R	4700pF	L	20	1.15	1.10	1.02	.88
-440LS10-R	0.01µF	P	20	2.21	2.11	1.97	1.68

LEAD-FREE

Case Code	Diameter (Max.)	Lead Spacing
D	.365 (9.3)	.378 (9.5)
E	.330 (8.3)	.250 (6.3)
F	.400 (10.0)	.250 (6.3)
G3	.460 (11.5)	.375 (9.4)
H	.530 (13.3)	.250 (6.3)
H3	.530 (13.3)	.375 (9.4)
J	.620 (15.5)	.375 (9.4)
L	.720 (18.0)	.375 (9.4)
P	.900 (22.5)	.375 (9.4)
W	.740 (18.5)	.375 (9.4)
X	.830 (20.8)	.375 (9.4)
Y	.940 (23.5)	.375 (9.4)

DIMENSIONS: (IN.) and (mm)



PERFORMANCE DATA

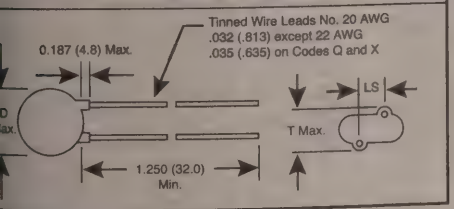
Test	125L	440L
Continuous Voltage Rating	250VAC,2kVDC	250VAC,4kVDC
Dielectric Strength	2000VAC,4kVDC	3500VAC,7kVDC
Dissipation Factor (@ + 25C)	1.50%	1.00%
Case Breakdown/Flammability	2500 VAC; UL94v0; + 105 C	
Temperature Characteristic (See Notes 1 and 2 below)	Z5U/Y5V	X5F Y5U/Z5U
Insulation Resistance (Min.)	1000Ω F	1000Ω F

Notes:
1. Permissible change with temperature: Y Type: +20%, -55% (reference 20°C); X Type: +20%, -80%.
2. TC Class refers to ceramic classification. 125L and 20VL are Class III, Y5V. 440L K tolerance are ClassII, other 440L cases are Class III. 30LV series are all Class III, Y5U/Z5U.

564C SERIES AC RATED CERAMIC DISC CAPACITORS, HIGH VOLTAGE

fix of 564R indicates lead-free stock

DIMENSIONS: (IN.) and (mm)



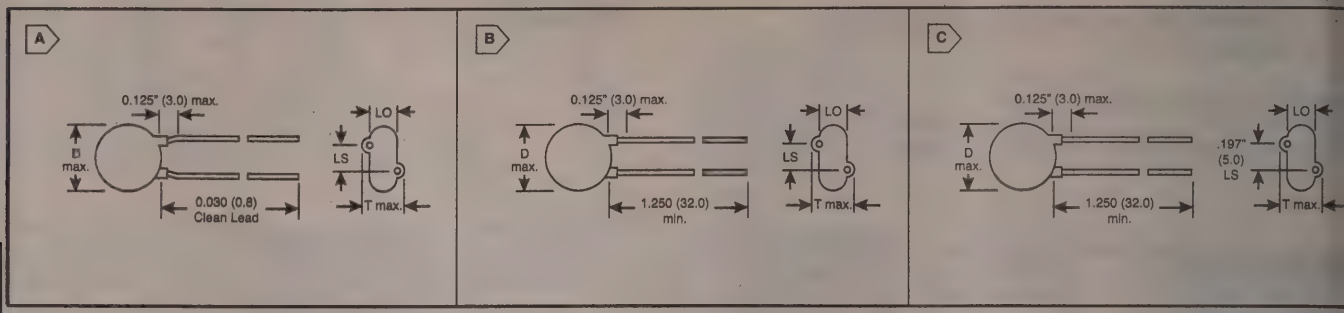
Case Code	Diameter (Max.)	Lead Spacing
E	.330 (8.3)	.250 (6.3)
F	.400 (10.0)	.250 (6.3)
F3	.400 (10.0)	.375 (9.4)
H	.530 (13.3)	.250 (6.3)
H3	.530 (13.3)	.375 (9.4)
J	.620 (15.5)	.375 (9.4)
L	.720 (18.0)	.375 (9.4)
M	.790 (19.8)	.375 (9.4)
P	.900 (22.5)	.375 (9.4)
Q	.950 (24.1)	.375 (9.4)

PERFORMANCE DATA

Test	30G	60G
ient Temperature Range	-25°C to +85°C	
age Rating	1000VAC, 4kVDC	1500VAC, 6kVDC
ectric Strength	1500VAC, 5250VDC	3000VAC, 10,500kVDC
ipation Factor (@ + 25C)	2.0% max.	
lation Resistance (Minimum)	50,000 Meg Ω	75,000 Meg Ω

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Case Code	Temp. Coeff.	Price Each			
Mfr. Mfr. Part No.				1	10	25	50
1000 VAC, 4KVDC 20% Tolerance							
75—30GAQ15	15	E	U2J	.57	.55	.51	.44
75—30GAQ33	33	E	R3L	.57	.55	.51	.44
75—30GAT10	100	E	X5F	.57	.55	.51	.44
75—30GAT15	150	E	X5F	.57	.55	.51	.44
75—30GAT22	220	E	X5F	.57	.55	.51	.44
75—30GAT27	270	E	X5F	.57	.55	.51	.44
75—30GAT47	470	E	X5S	.57	.55	.51	.44
75—30GAT68	680	E	Y5U	.57	.55	.51	.44
75—30GAD10	1000	E	Z5U	.57	.55	.51	.44
75—30GAD15	1500	E	Z5U	.64	.61	.57	.49
75—30GAD33	3300	H	Z5U	.80	.76	.71	.61
75—30GAD47	4700	J	Z5U	1.14	1.09	1.01	.87
75—30TSD47	4700	L	X7R	1.31	1.25	1.16	1.00
75—30GAS10	0.01µF	M	Z5U	1.16	1.11	1.03	.89
75—30GASS10	0.01µF	L	Y5V	1.16	1.11	1.03	.89
75—30GASS33	0.033µF	Q	Z5U	3.55	3.38	3.16	2.70
1500 VAC, 6KVDC 20% Tolerance							
75—60GAQ10	10	F3	NPO	.80	.76	.71	.61
75—60GAQ33	33	F3	R3L	.80	.76	.71	.61
75—60GAT33	330	F3	X5S	.80	.76	.71	.61
75—60GAD10	1000	F3	Z5U	.80	.76	.71	.61
75—60GAD47	4700	M	Z5U	2.38	2.27	2.12	1.82
Lead Free							
75—564R60GAD22	2200	H3	Z5U	1.02	.97	.91	.78
75—564R60GAS10	0.01µF	P	Z5U	2.40	2.28	2.13	1.83
75—564R30GAQ22	22	E	R3L	.57	.55	.51	.44
75—564R30GAQ47	47	E	X5F	.57	.55	.51	.44
75—564R30GAD22	2200	F	Z5U	.73	.70	.65	.56
75—564R60GAT10	100	F3	X5F	.80	.76	.71	.61



561C SERIES CERAMIC DISC CAPACITORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (pF)	Case Code	Fig.	Temp. Coeff.	Tol. ± (%)	Price Each 1	10	25	50	100
1kVDC Precision Disc Capacitors											
75—10TCCV22		2.2	C	A	NP0	5	.57	.55	.51	.44	.33
75—10TCCV27		2.7	C	A	NP0	5	.57	.55	.51	.44	.33
75—10TCCV33		3.3	C	A	NP0	5	.57	.55	.51	.44	.33
75—10TCCV39		3.9	C	A	NP0	5	.57	.55	.51	.44	.33
75—10TCCV47		4.7	C	A	NP0	5	.57	.55	.51	.44	.33
75—10TCCV50		5	C	A	NP0	5	.57	.55	.51	.44	.33
75—10TCCV68		6.8	C	A	NP0	5	.57	.55	.51	.44	.33
75—10TCCQ10		10	C	A	NP0	5	.57	.55	.51	.44	.33
75—10TCCQ12		12	C	A	NP0	5	.57	.55	.51	.44	.33
75—10TCCQ15		15	C	A	NP0	5	.57	.55	.51	.44	.33
75—10TCCQ18		18	E	A	NP0	5	.54	.52	.48	.41	.31
75—10TCCQ20		20	E	A	NP0	5	.54	.52	.48	.41	.31
75—10TCCQ22		22	E	A	NP0	5	.54	.52	.48	.41	.31
75—10TCCQ25		25	E	A	NP0	5	.54	.52	.48	.41	.31
75—10TCCQ27		27	F	A	NP0	5	.54	.52	.48	.41	.31
75—10TCCQ30		30	F	A	NP0	5	.54	.52	.48	.41	.31
75—10TCCQ33		33	F	A	NP0	5	.54	.52	.48	.41	.31
75—10TCCQ39		39	F	A	NP0	5	.54	.52	.48	.41	.31
75—10TCCQ47		47	G	B	NP0	5	.64	.61	.57	.49	.37
75—10TCCQ50		50	G	B	NP0	5	.64	.61	.57	.49	.37
75—10TCCQ56		56	G	B	NP0	5	.64	.61	.57	.49	.37
75—10TCCQ68		68	H	B	NP0	5	.77	.73	.68	.58	.44
75—10TCCQ82		82	H3	B	NP0	5	.77	.73	.68	.58	.44
75—10TCCT10		100	J	B	NP0	5	.67	.64	.60	.51	.38
75—10TCCT12		120	J	B	NP0	5	.67	.64	.60	.51	.38
75—10TCCT15		150	K	B	NP0	5	.96	.91	.85	.73	.55
75—10TCCT18		180	L	B	NP0	5	1.02	.97	.91	.78	.58
75—10TCCT22		220	M	B	NP0	5	1.12	1.06	.99	.85	.64

562C SERIES CERAMIC DISC CAPACITORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (pF)	Case Code	Fig.	Temp. Coeff.	Tol. ± (%)	Price Each 1	10	25	50	100
100 VDC General Purpose											
75—TST10		100	C	C	X7R	10	.54	.52	.48	.41	.31
75—TST22		220	C	C	X7R	10	.54	.52	.48	.41	.31
75—TST33		330	C	C	X7R	10	.54	.52	.48	.41	.31
75—TST47		470	C	C	X7R	10	.77	.74	.69	.59	.44
75—TSD10		1000	C	C	X7R	10	.54	.52	.48	.41	.31
75—TSD47		4700	E	B	Z5U	10	.70	.67	.62	.54	.40
75—TGS10		0.01μF	F	B	Z5U	20	.43	.41	.38	.32	.24
75—TGS20		0.02μF	G	B	Z5U	20	.62	.59	.55	.48	.36
75—TGS50		0.05μF	R	B	Z5U	20	2.76	2.63	2.45	2.10	1.58
75—TGP10		0.1μF	W	B	Z5U	20	2.51	2.39	2.23	1.91	1.43
500 VDC General Purpose											
75—5TSD10		1000	E	A	X7R	10	.54	.52	.48	.41	.31
75—5TSD33		3300	G	B	X7R	10	.54	.52	.48	.41	.31
75—5TSD47		4700	H	B	X7R	10	.60	.58	.54	.46	.35
75—5TSS10		0.01μF	J	B	X7R	10	.68	.65	.60	.52	.39
75—5GASS10		0.01μF	G	B	Z5U	20	.43	.41	.38	.32	.24
75—5HKSS10		0.01μF	G	B	Z5U +80	-20	.48	.46	.43	.37	.28
75—5GASS20		0.02μF	J	B	Z5U	20	.68	.65	.60	.52	.39
75—5GAS50		0.05μF	P	B	Z5U	20	1.05	1.00	.93	.80	.60
75—5HKS50		0.05μF	U	B	Z5U +80	-20	1.56	1.49	1.39	1.19	.89
75—5GAP10		0.1μF	X	B	Z5U	20	1.88	1.79	1.67	1.43	1.07
75—5HKP10		0.1μF	X	B	Z5U +80	-20	2.01	1.91	1.78	1.53	1.15
1kVDC General Purpose											
75—5GAQ10		10	C	A	NP0	20	.57	.55	.51	.44	.33
75—5GAQ20		20	C	A	NP0	20	.57	.55	.51	.44	.33
75—5GAQ33		33	E	A	U2J	20	.54	.52	.48	.41	.31
75—5GAQ47		47	E	A	U2J	20	.54	.52	.48	.41	.31

DIMENSIONS (IN.) and (m

Case Code	Diameter (Max.)	Thickness (Max.)	Fig. 1 and 1a LS
C	.250 (6.3)	.156 (4.0)	.250 (6.3)
E	.290 (7.4)	.156 (4.0)	.250 (6.3)
F	.370 (9.4)	.156 (4.0)	.250 (6.3)
G	.440 (11.2)	.156 (4.0)	.250 (6.3)
H	.490 (12.4)	.156 (4.0)	.250 (6.3)
H3	.490 (12.4)	.156 (4.0)	.375 (9.5)
J	.560 (14.2)	.156 (4.0)	.375 (9.5)
K	.630 (16.0)	.156 (4.0)	.375 (9.5)

Case Code	Diameter (Max.)	Thickness (Max.)	Fig. 1 and 1a LS
L	.680 (17.3)	.156 (4.0)	.375 (9.5)
M	.760 (19.3)	.156 (4.0)	.375 (9.5)
P	.890 (22.6)	.156 (4.0)	.375 (9.5)
R	.510 (12.6)	.200 (5.1)	.250 (6.3)
U	.640 (16.3)	.200 (5.1)	.375 (9.5)
W	.700 (17.8)	.200 (5.1)	.375 (9.5)
X	.770 (19.6)	.200 (5.1)	.375 (9.5)
Q	.950 (24.1)	.200 (5.1)	.375 (9.5)

Voltage Class	Lead Offset "LO" (nom) In.	mm
100	.040	1.0
500	.040	1.0
1000	.050	1.3

562C SERIES CERAMIC DISC CAPACITORS (CONT.)

For quantities of 250 and up, call for quot

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (pF)	Case Code	Fig.	Temp. Coeff.	Tol. ± (%)	Price Each 1	10	25	50	100
1kVDC General Purpose (cont.)											
75—5GAT10		100	C	A	X5F	20	.54	.52	.48	.41	.31
75—5GAT15		150	C	A	X5F	20	.54	.52	.48	.41	.31
75—5GAT20		200	C	A	X5F	20	.54	.52	.48	.41	.31
75—5GAT22		220	C	A	X5F	20	.54	.52	.48	.41	.31
75—5GAT33		330	C	A	X5F	20	.54	.52	.48	.41	.31
75—5GAT47		470	C	A	X5F	20	.54	.52	.48	.41	.31
75—5GAT50		500	C	A	X5F	20	.54	.52	.48	.41	.31
75—5GAD10		1000	E	A	X5S	20	.49	.47	.43	.37	.28
75—5HKD10		1000	E	A	Y5U	+100 -0	.54	.52	.48	.41	.31
75—5GAD15		1500	E	A	Z5U	20	.54	.52	.48	.41	.31
75—5GAD20		2000	E	A	Z5U	20	.54	.52	.48	.41	.31
75—5GAD22		2200	E	B	Z5U	20	.54	.52	.48	.41	.31
75—5GAD30		3000	E	B	Z5U	20	.54	.52	.48	.41	.31
75—5GAD33		3300	E	B	Z5U	20	.54	.52	.48	.41	.31
75—5GAD47		4700	F	B	Z5U	20	.45	.43	.40	.34	.26
75—5GAD50		5000	F	B	Z5U	20	.40	.38	.35	.30	.23
75—5GAD68		6800	G	B	Z5U	20	.48	.46	.43	.37	.28
75—5GAD82		8200	H	B	Z5U	20	.54	.52	.48	.41	.31
75—5GAS10		0.01μF	H3	B	Z5U	20	.49	.46	.43	.37	.28
75—5HKMS10		0.01μF	H	B	Z5U	20	.54	.51	.48	.41	.31
75—5HKS10		0.01μF	H3	B	Z5U	+100 -0	.54	.51	.48	.41	.31
75—5GAS15		0.015μF	J	B	Z5U	20	.68	.65	.60	.52	.39
75—5GAS20		0.02μF	L	B	Z5U	20	.77	.73	.68	.58	.44
75—10HKS50		0.05μF	X	B	Z5U	20	1.87	1.78	1.66	1.43	1.07
75—10GAP10		0.1μF	Q	B	Z5U	20	2.40	2.29	2.14	1.83	1.37
1kVDC Temperature and Voltage Stabilized											
75—10TSQ10		10	C	A	NP0	10	.57	.55	.51	.44	.33
75—10TSQ33		33	E	A	U2J	10	.54	.52	.48	.41	.31
75—10TSQ47		47	E	A	U2J	10	.54	.52	.48	.41	.31
75—10TST10		100	C	A	X5F	10	.54	.52	.48	.41	.31
75—10TST15		150	C	A	X5F	10	.54	.52	.48	.41	.31
75—10TST22		220	C	A	X5F	10	.54	.52	.48	.41	.31
75—10TST27		270	C	A	X5F	10	.54	.52	.48	.41	.31
75—10TST33		330	C	A	X5F	10	.54	.52	.48	.41	.31
75—10TST39		390	C	A	X5F	10	.54	.52	.48	.41	.31
75—10TST47		470	C	A	X5F	10	.54	.52	.48	.41	.31
75—10TST50		500	C	A	X5F	10	.54	.52	.48	.41	.31
75—10TST68		680	E	A	X5F	10	.54	.52	.48	.41	.31
75—10TSD10		1000	E	A	X5F	10	.54	.52	.48	.41	.31
75—10TSD15		1500	G	B	X5F	10	.54	.52	.48	.41	.31
75—10TSD20		2000	H3	B	X5F	10	.60	.58	.54	.46	.35
75—10TSD47		4700	L	B	X5F	10	.83	.79	.74	.63	.47
75—10TSS10		0.01μF	K	B	X5S	10	.77	.73	.68	.58	.44

MOUSER ELECTRONICS a tti company (800) 346-6873

XICON Class 1 and 3 Ceramic Disc Capacitors

XICON™ Passive Components

EIA CLASS 1 TEMPERATURE COMPENSATING

cations:

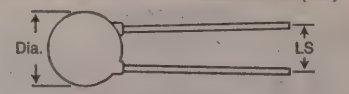
rature coefficient: -700 + 350 ppm
rature range: -55°C to +85°C

rature coefficient: +/- 30 ppm
rature range: -55°C to +85°C

Features:

- Meets EIA standards
- Linear temperature coefficient
- Temperature stable
- Wide frequency range

DIMENSIONS (mm)



C Tolerance: ±5%
erature Coefficient: SL

For quantities of 1000 and up, call for quote.

OUSER OCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
S2-470J	47	5.0	2.5	.07	.029	.026
S2-510J	51	5.0	2.5	.05	.029	.026
S2-560J	56	5.0	2.5	.05	.029	.026
S2-680J	68	5.0	2.5	.07	.029	.026
S2-750J	75	5.0	2.5	.05	.029	.026
S2-820J	82	5.0	2.5	.05	.029	.026
S2-910J	91	5.0	2.5	.05	.029	.026
S5-101J	100	5.0	5.0	.05	.029	.026
S2-121J	120	5.0	2.5	.05	.029	.026
S5-121J	120	5.0	5.0	.05	.029	.026
S5-131J	130	5.0	5.0	.07	.029	.026
S2-151J	150	5.0	2.5	.05	.029	.026
S5-151J	150	5.0	5.0	.07	.029	.026
S5-181J	180	6.0	5.0	.06	.045	.036
S5-201J	200	6.0	5.0	.06	.045	.036
S5-221J	220	8.0	5.0	.06	.045	.036
S5-241J	240	7.5	5.0	.06	.045	.036
S5-271J	270	7.5	5.0	.06	.045	.036
S5-301J	300	7.5	5.0	.06	.045	.036
S5-331J	330	7.5	5.0	.07	.055	.042
S5-391J	390	8.5	5.0	.08	.065	.048
S5-471J	470	8.0	5.0	.08	.065	.048
S5-561J	560	9.5	5.0	.09	.07	.053
S5-681J	680	9.5	5.0	.09	.07	.053
S5-821J	820	9.5	5.0	.09	.07	.053
S9-102J	1000	12.5	9.5	.14	.12	.091

C Tolerance: ±5%
erature Coefficient: NP0

For quantities of 1000 and up, call for quote.

OUSER TOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
N5-1R0D	1.0	5.0	5.0	.06	.032	.029
N5-2R2D	2.2	5.0	5.0	.06	.032	.029
N5-4R7D	4.7	5.0	5.0	.06	.032	.029
N5-100J	10	5.0	5.0	.06	.032	.029
N5-120J	12	5.0	5.0	.06	.032	.029
N2-150J	15	5.0	2.5	.06	.032	.029
N2-180J	18	5.0	2.5	.06	.032	.029
N5-200J	20	5.0	5.0	.06	.032	.029
N5-220J	22	5.0	5.0	.06	.032	.029
N2-220J	22	5.0	2.5	.06	.032	.029
N2-270J	27	5.0	2.5	.07	.032	.029
N5-300J	30	5.0	5.0	.06	.032	.029
N5-330J	33	5.0	5.0	.06	.032	.029
N2-390J	39	5.0	2.5	.06	.032	.029
N5-470J	47	5.0	5.0	.06	.032	.029
N5-510J	51	6.0	5.0	.06	.032	.029
N2-560J	56	6.0	2.5	.06	.032	.029
N2-680J	68	6.0	2.5	.07	.038	.034
N2-820J	82	7.5	2.5	.07	.038	.034

50 VDC Tolerance: ±5%
Temperature Coefficient: NP0

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-50N5-101J	100	7.5	5.0	.08	.045	.038
140-50N5-121J	120	8.5	5.0	.08	.045	.038
140-50N5-151J	150	8.5	5.0	.10	.056	.045
140-50N5-181J	180	9.5	5.0	.12	.065	.054
140-50N5-221J	220	10.5	5.0	.12	.065	.054
140-50N5-271J	270	10.5	5.0	.12	.065	.054

100 VDC Tolerance: ±5%
Temperature Coefficient: NP0

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-100N2-1R0D	1	5.0	2.5	.07	.041	.037
140-100N2-2R2D	2.2	5.0	2.5	.07	.041	.037
140-100N2-4R7D	4.7	5.0	2.5	.07	.041	.037
140-100N2-100J	10	5.0	2.5	.09	.041	.037
140-100N2-150J	15	5.0	2.5	.07	.041	.037
140-100N2-200J	20	5.0	2.5	.07	.041	.037
140-100N5-220J	22	5.0	5.0	.09	.041	.037
140-100N5-270J	27	5.0	5.0	.07	.041	.037
140-100N5-300J	30	5.0	5.0	.07	.041	.037
140-100N5-330J	33	5.0	5.0	.09	.041	.037
140-100N5-390J	39	5.0	5.0	.07	.041	.037
140-100N5-470J	47	5.0	5.0	.07	.041	.037
140-100N5-560J	56	6.0	5.0	.09	.07	.055
140-100N5-680J	68	6.0	5.0	.09	.07	.055
140-100N5-101J	100	7.5	5.0	.15	.11	.085

500 VDC Tolerance: ±5%
Temperature Coefficient: NP0

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-500N2-1R0C	1	6.0	2.5	.08	.07	.05
140-500N2-2R2C	2.2	6.0	2.5	.08	.07	.05
140-500N2-4R7C	4.7	6.0	2.5	.08	.07	.05
140-500N2-5R6D	5.6	6.0	2.5	.08	.07	.05
140-500N2-6R8D	6.8	6.0	2.5	.100	.07	.05
140-500N2-8R2D	8.2	6.0	2.5	.08	.07	.05
140-500N2-100J	10	6.0	2.5	.08	.07	.05
140-500N2-120J	12	6.0	2.5	.08	.07	.05
140-500N5-150J	15	6.0	5.0	.08	.07	.05
140-500N5-180J	18	8.0	5.0	.08	.07	.05

500 VDC Tolerance: ±5%
Temperature Coefficient: NP0

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-500N5-200J	20	6.0	5.0	.08	.07	.05
140-500N5-220J	22	6.0	5.0	.08	.07	.05
140-500N5-270J	27	6.0	5.0	.08	.07	.05
140-500N5-330J	33	6.0	5.0	.16	.10	.075
140-500N5-390J	39	7.5	5.0	.12	.10	.075
140-500N5-470J	47	7.5	5.0	.12	.10	.075
140-500N5-560J	56	7.5	5.0	.12	.10	.075
140-500N5-680J	68	7.5	5.0	.12	.10	.075
140-500N5-820J	82	7.5	5.0	.17	.15	.11
140-500N5-101J	100	10.5	5.0	.17	.15	.11

500 VDC Tolerance: ±10%
Temperature Coefficient: SL

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-500S5-470K	47	5.0	5.0	.10	.078	.05
140-500S5-560K	56	5.0	5.0	.10	.078	.05
140-500S5-680K	68	5.0	5.0	.10	.078	.05
140-500S5-820K	82	5.0	5.0	.10	.078	.05
140-500S5-101K	100	5.0	5.0	.10	.078	.05
140-500S5-121K	120	6.0	5.0	.10	.078	.05
140-500S5-221K	220	7.5	5.0	.15	.13	.10

1000 VDC Tolerance: ±10%
Temperature Coefficient: SL

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-102N6-100J	10	6.5	6.35	.10	.07	.055
140-102N6-220J	22	6.5	6.35	.10	.07	.055
140-102N6-330J	33	6.5	6.35	.10	.07	.055
140-102S6-470J	47	6.5	6.35	.10	.07	.063
140-102S6-101J	100	6.5	6.35	.14	.09	.08
140-102S6-101K	100	8.5	6.35	.14	.09	.08
140-102S6-151J	150	8.5	6.35	.16	.11	.085
140-102S6-181J	180	9.5	6.35	.18	.13	.092
140-102S6-221J	220	9.5	6.35	.18	.13	.081
140-102S6-221K	220	9.5	6.35	.18	.13	.081
140-102S6-331J	330	9.5	6.35	.23	.17	.105
140-102S6-331K	330	9.5	6.35	.23	.17	.105
140-102S6-471J	470	13	6.35	.23	.17	.105
140-102S6-471K	470	13	6.35	.23	.17	.105
140-102S6-561J	560	13	6.35	.25	.22	.15
140-102S6-681J	680	16	6.35	.25	.22	.15
140-102S6-821J	820	16	6.35	.31	.28	.18
140-102S9-102J	1000	16	9.5	.31	.28	.18

6000 VDC Tolerance: ±10%
Temperature Coefficient: SL

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-602S9-100K	10	16	9.5	.34	.23	.18
140-602S9-220K	22	12	9.5	.34	.23	.18
140-602S9-101K	100	16	9.5	.65	.43	.36

EIA CLASS 3 SEMICONDUCTOR TYPE

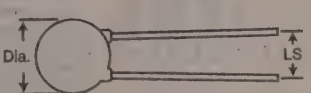
lications:

'5U:
erature range: -10°C to +85°C

'5V:
erature range: +10°C to +85°C
-ation factor: 5%
ard tolerance: +/- 20% or +80%-20%

Features:

- Ammo pack available
- Straight leads are standard
- Formed leads for board standoffs are available
- Small size; large capacitance



DIMENSIONS (mm)

IC Tolerance: +80% to -20%
erature Coefficient: Y5V

For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	Value (µF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
V5-103Z	.01	6.5	5.0	.16	.085	.075
V5-223Z	.022	5.5	5.0	.17	.095	.085
V5-473Z	.047	8.5	5.0	.18	.10	.09
V5-104Z	.1	9.5	5.0	.19	.105	.095
V5-224Z	.22	12	5.0	.33	.22	.18

50 VDC Tolerance: ±20%
Temperature Coefficient: Y5U

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-50U5-103M	.01	5.0	5.0	.15	.08	.07
140-50U5-223M	.022	5.0	5.0	.16	.09	.08
140-50U5-473M	.047	12	5.0	.17	.095	.085
140-50U5-104M	.1	15	5.0	.18	.10	.09
140-50U9-104Z	.1	9.5	9.5	.19	.11	.10

100 VDC Tolerance: +80% to -20%
Temperature Coefficient: Y5V

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-100V5-103Z	.01	5.0	5.0	.23	.12	.10
140-100V5-223Z	.022	5.5	5.0	.26	.13	.11
140-100V5-333Z	.033	8.5	5.0	.26	.13	.11
140-100V5-473Z	.047	8.5	5.0	.30	.15	.13
140-100V9-104Z	.1	12	9.5	.25	.17	.14

XICON Ceramic Disc Capacitors

XICON™ Passive Compo

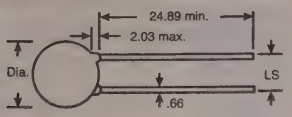
EIA CLASS 2 DISC CERAMIC CAPACITORS

Features:
- Meets EIA Standards.
- Non-linear Temperature Coefficient.
- Stable Temperature Characteristics.
- Larger capacitance in smaller package than Class 1 type.

Specifications:
Y5P:
- Temperature range: -30°C to +85°C
- Dissipation Factor: 2.5%
- Standard Tolerance: +/- 10%

Z5U / Z5V:
- Temperature range: +10°C +85°C
- Dissipation Factor: 5%
- Standard Tolerance: +/- 20% or +80%-20%

DIMENSIONS (mm)



50 VDC Tolerance: ±10%
Temperature Coefficient: Y5P

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-50P2-101K	100	5	2.5	.06	.034	.031
140-50P2-121K	120	5	2.5	.06	.034	.031
140-50P2-151K	150	5	2.5	.06	.034	.031
140-50P2-181K	180	5	2.5	.06	.034	.031
140-50P2-201K	200	5	2.5	.06	.034	.031
140-50P2-221K	220	5	2.5	.06	.034	.031
140-50P2-271K	270	5	2.5	.06	.034	.031
140-50P2-331K	330	5	2.5	.08	.034	.031
140-50P2-391K	390	5	2.5	.06	.034	.031
140-50P2-471K	470	5	2.5	.08	.034	.031
140-50P2-561K	560	5	2.5	.06	.034	.031
140-50P2-681K	680	5	2.5	.06	.034	.031
140-50P2-821K	820	5	2.5	.06	.034	.031
140-50P2-102K	1000	5	2.5	.08	.034	.031
140-50P2-122K	1200	5	2.5	.06	.034	.031
140-50P2-152K	1500	5	2.5	.06	.034	.031
140-50P5-182K	1800	5	5	.06	.034	.031
140-50P5-202K	2000	5	5	.08	.04	.038
140-50P5-222K	2200	5	5	.08	.04	.038
140-50P5-272K	2700	6	5	.08	.04	.038
140-50P5-332K	3300	7.5	5	.08	.04	.038
140-50P5-392K	3900	7.5	5	.08	.04	.038
140-50P5-472K	4700	8.5	5	.08	.04	.038
140-50P5-562K	5600	8.5	5	.08	.04	.038
140-50P5-682K	6800	9.5	5	.12	.065	.058
140-50P5-103K	.01μF	16	5	.15	.09	.085

50 VDC Tolerance: ±20%
Temperature Coefficient: Z5U

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-50Z5-102M	1000	5	5	.07	.022	.021
140-50Z5-202M	2000	5.5	5	.07	.022	.021
140-50Z5-222M	2200	5	5	.07	.022	.021
140-50Z5-472M	4700	6.6	5	.07	.022	.021
140-50Z2-103M	.01μF	7.5	2.5	.08	.023	.022
140-50Z5-103M	.01μF	7.5	5	.08	.023	.022
140-50Z5-203M	.02μF	10.5	5	.11	.052	.041
140-50Z5-223M	.022μF	10.5	5	.11	.052	.041

50 VDC Tolerance: +80% to -20%
Temperature Coefficient: Z5V

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-50Q5-102Z	1000	5	5	.07	.021	.02
140-50Q5-103Z	.01μF	6.5	5	.075	.022	.021
140-50Q5-223Z	.022μF	7.5	5	.15	.048	.045
140-50Q5-473Z	.047μF	10.5	5	.13	.095	.065
140-50Q9-104Z	.1μF	16	9.5	.26	.22	.20

100 VDC Tolerance: +80% to -20%
Temperature Coefficient: Z5U

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-100Z5-102Z	1000	5	5	.085	.04	.036
140-100Z5-472Z	4700	5	5	.085	.04	.036
140-100Z5-103Z	.01μF	7.5	5	.09	.048	.041
140-100Z5-203Z	.02μF	7.5	5	.12	.057	.054
140-100Z5-223Z	.022μF	10.5	5	.12	.061	.056
140-100Z9-473Z	.047μF	12	9.5	.16	.130	.120
140-100Z9-503Z	.05μF	10.5	9.5	.19	.11	.10
140-100Q9-104Z	.1μF	16.5	9.5	.28	.23	.21

500 VDC Tolerance: ±10%
Temperature Coefficient: Y5P

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-500P5-101K	100	5	5	.11	.05	.046
140-500P5-121K	120	5	5	.11	.05	.046
140-500P5-151K	150	5	5	.11	.05	.046
140-500P5-181K	180	5	5	.11	.05	.046
140-500P5-221K	220	5	5	.14	.055	.046
140-500P5-251K	250	5	5	.11	.05	.046
140-500P5-271K	270	5	5	.11	.05	.046
140-500P5-331K	330	6	5	.11	.05	.046
140-500P5-391K	390	6	5	.11	.05	.046
140-500P5-471K	470	5	5	.14	.06	.05
140-500P5-501K	500	6	5	.11	.05	.046
140-500P5-561K	560	6	5	.11	.06	.057
140-500P5-681K	680	10	5	.14	.06	.057
140-500P5-102K	1000	6	5	.13	.10	.078
140-500P5-152K	1500	7.5	5	.13	.10	.078
140-500P5-182K	1800	7.5	5	.13	.10	.078
140-500P5-222K	2200	8.5	5	.13	.10	.078
140-500P5-272K	2700	8.5	5	.13	.10	.078
140-500P5-332K	3300	9.5	5	.16	.12	.093
140-500P5-392K	3900	9.5	5	.16	.12	.093
140-500P5-472K	4700	10.5	5	.19	.15	.12
140-500P9-562K	5600	10.5	9.5	.19	.15	.12
140-500P9-682K	6800	12	9.5	.20	.17	.13
140-500P9-103K	.01μF	12	9.5	.22	.18	.14

500 VDC Tolerance: +80% to -20%
Temperature Coefficient: Z5U

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-500Z5-102Z	1000	5	5	.15	.047	.045
140-500Z5-222Z	2200	5	5	.15	.047	.045
140-500Z5-472Z	4700	8.5	5	.16	.06	.053
140-500Z5-103Z	.01μF	10.5	5	.17	.08	.072
140-500Z9-223Z	.02μF	15	9.5	.25	.13	.11

1000 VDC Tolerance: ±10%
Temperature Coefficient: Y5P

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	400
140-102P6-101K	100	6.5	6.4	.10	.055	.053
140-102P6-121K	120	6.5	6.4	.10	.055	.053
140-102P6-151K	150	6.5	6.4	.10	.055	.053
140-102P6-181K	180	6.5	6.4	.10	.055	.053
140-102P6-221K	220	6.5	6.4	.10	.055	.053
140-102P6-271K	270	6.5	6.4	.10	.055	.053
140-102P6-301K	300	6.5	6.4	.10	.055	.053
140-102P6-331K	330	6.5	6.4	.10	.055	.053
140-102P6-391K	390	6.5	6.4	.10	.055	.053
140-102P6-471K	470	6.5	6.4	.10	.055	.053
140-102P6-561K	560	6.5	6.4	.10	.055	.053
140-102P6-681K	680	6.5	6.4	.16	.10	.088
140-102P6-821K	820	6.5	6.4	.16	.10	.088
140-102P6-102K	1000	6.5	6.4	.16	.10	.088
140-102P6-122K	1200	8.5	6.4	.26	.21	.18
140-102P6-152K	1500	8.5	6.4	.26	.21	.18
140-102P6-182K	1800	9	6.4	.26	.21	.18
140-102P6-222K	2200	9.5	6.4	.26	.21	.18
140-102P6-272K	2700	11	6.4	.26	.21	.18
140-102P6-302K	3000	11	6.4	.26	.21	.18
140-102P6-332K	3300	11	6.4	.34	.23	.21
140-102P9-472K	4700	15	9.5	.45	.39	.26
140-102P9-562K	5600	15	9.5	.52	.41	.34
140-102P9-682K	6800	17	9.5	.52	.41	.34
140-102P9-822K	8200	17	9.5	.76	.61	.49
140-102P9-103K	.01μF	19	9.5	.90	.69	.54

2000 VDC Tolerance: ±10%
Temperature Coefficient: Y5P

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	4
140-202P6-101K	100	7	6.4	.12	.06	.
140-202P6-121K	120	7	6.4	.12	.06	.
140-202P6-151K	150	7	6.4	.12	.06	.
140-202P6-181K	180	7	6.4	.12	.06	.
140-202P6-221K	220	7	6.4	.12	.06	.
140-202P6-331K	330	7	6.4	.12	.06	.
140-202P6-391K	390	7	6.4	.12	.09	.
140-202P6-471K	470	7	6.4	.18	.095	.
140-202P6-681K	680	7	6.4	.18	.095	.
140-202P6-821K	820	8.5	6.4	.18	.095	.
140-202P6-102K	1000	8.5	6.4	.22	.115	.
140-202P6-122K	1200	10	6.4	.24	.14	.
140-202P6-152K	1500	10	6.4	.36	.29	.
140-202P6-182K	1800	12	6.4	.39	.31	.
140-202P6-222K	2200	12	6.4	.45	.39	.
140-202P9-272K	2700	12	9.5	.55	.49	.
140-202P9-332K	3300	15	9.5	.89	.76	.
140-202P9-472K	4700	15	9.5	1.05	.99	.
140-202P9-682K	6800	16	9.5	1.10	1.02	.
140-202P9-822K	8200	16	9.5	1.18	1.09	1.
140-202P9-103K	.01μF	19	9.5	1.25	1.17	1.

3000 VDC Tolerance: ±10%
Temperature Coefficient: Y5P

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	4
140-302P6-101K	100	7	6.4	.30	.22	.
140-302P6-121K	120	7	6.4	.30	.22	.
140-302P6-151K	150	7	6.4	.30	.22	.
140-302P6-181K	180	7	6.4	.30	.22	.
140-302P6-221K	220	7	6.4	.30	.22	.
140-302P6-331K	330	8	6.4	.32	.24	.
140-302P6-471K	470	8	6.4	.35	.28	.
140-302P6-681K	680	9	6.4	.35	.28	.
140-302P6-821K	820	10	6.4	.45	.41	.
140-302P9-122K	1200	12	9.5	.65	.59	.
140-302P9-152K	1500	12	9.5	.65	.59	.
140-302P9-182K	1800	14	9.5	.65	.59	.
140-302P9-222K	2200	14	9.5	.99	.85	.
140-302P9-272K	2700	16	9.5	1.25	1.10	1.
140-302P9-332K	3300	16	9.5	1.34	1.26	1.
140-302P9-472K	4700	16	9.5	1.43	1.37	1.
140-302P9-682K	6800	19	9.5	1.50	1.40	1.

3000 VDC Tolerance: ±20%
Temperature Coefficient: Z5U

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	4
140-302Z5-102M	1000	8	6.4	.30	.23	.
140-302Z9-222M	2200	10	9.5	.48	.36	.
140-302Z9-472M	4700	16	9.5	.82	.62	.
140-302Z9-103M	.01μF	18	9.5	1.42	1.07	.

6000 VDC Tolerance: ±10%
Temperature Coefficient: Y5P

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	200	4
140-602P9-221K	220	10.5	9.5	.44	.29	.
140-602P9-471K	470	16	9.5	.62	.41	.

MOUSER ELECTRONICS a tti company

CON High Voltage & Ammo Pack Ceramic Disc Capacitors

XICON Passive Components

H VOLTAGE CERAMIC DISC CAPACITORS

SS 1

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Value (pfd)	Dia. (mm)	Price Each 1	100	200	500
03S9-100K	10	7	.99	.85	.79	.65
03S9-120K	12	8	.99	.85	.79	.65
03S9-150K	15	8	.99	.85	.79	.65
03S9-180K	18	9	.99	.85	.79	.65
03S9-200K	20	9	.99	.85	.79	.65
03S9-220K	22	9	.99	.85	.79	.65
03S9-270K	27	10	1.19	.89	.85	.79
03S9-300K	30	10	1.19	.89	.85	.79
03S9-330K	33	10	1.19	.89	.85	.79
23S9-100K	10	8	1.35	.88	.81	.69
23S9-120K	12	8	1.35	.88	.81	.69
23S9-150K	15	9	1.35	.88	.81	.69
23S9-180K	18	9	1.35	.88	.81	.69
23S9-200K	20	9	1.35	.88	.81	.69
23S9-220K	22	10	1.35	.88	.81	.69
23S9-270K	27	10	1.59	1.15	1.09	.85
23S9-300K	30	11	1.59	1.15	1.09	.85
23S9-330K	33	11	1.59	1.15	1.09	.85
53S9-100K	10	8	1.59	.91	.85	.79
53S9-120K	12	9	1.59	.91	.85	.79
53S9-150K	15	9	1.59	.91	.85	.79
53S9-180K	18	10	1.59	.91	.85	.79
53S9-200K	20	10	1.59	.91	.85	.79
53S9-220K	22	10	1.59	.91	.85	.79
53S9-270K	27	11	1.88	1.25	1.20	.99
53S9-300K	30	11	1.88	1.25	1.20	.99
53S9-330K	33	12	1.88	1.25	1.20	.99

ASS 2

103P9-390K	39	8	1.39	.93	.89	.85
103P9-470K	47	8	1.39	.93	.89	.85
103P9-510K	51	8	1.39	.93	.89	.85

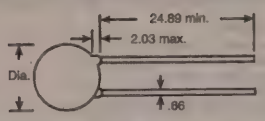
10KV (cont.)

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Value (pfd)	Dia. (mm)	Price Each 1	100	200	500
140-103P9-560K	56	8	1.65	.99	.92	.87
140-103P9-680K	68	8	1.65	.99	.92	.87
140-103P9-820K	82	8	1.65	.99	.92	.87
140-103P9-101K	100	8	1.99	1.25	1.19	.99
140-103P9-151K	150	8	1.99	1.25	1.19	.99
140-103P9-181K	180	9	1.99	1.25	1.19	.99
140-103P9-201K	200	9	1.99	1.25	1.19	.99
140-103P9-221K	220	9	1.99	1.25	1.19	.99
140-103P9-251K	250	10	1.99	1.25	1.19	.99
140-103P9-271K	270	10	1.99	1.25	1.19	.99
140-103P9-301K	300	10	1.99	1.25	1.19	.99
140-103P9-331K	330	10	1.99	1.25	1.19	.99
140-103P9-391K	390	11	1.99	1.25	1.19	.99
140-103P9-471K	470	11	1.99	1.25	1.19	.99
140-103P9-511K	510	14	1.99	1.35	1.29	1.05
140-103P9-561K	560	14	1.99	1.45	1.35	1.09
140-103P9-681K	680	14	1.99	1.55	1.39	1.15
140-103P9-821K	820	16	1.99	1.65	1.45	1.19
140-103P9-102K	1000	16	1.99	1.69	1.49	1.25

12KV

140-123P9-390K	39	8	1.99	1.25	1.19	1.14
140-123P9-470K	47	8	1.99	1.25	1.19	1.14
140-123P9-510K	51	8	1.99	1.25	1.19	1.14
140-123P9-560K	56	8	1.99	1.25	1.19	1.14
140-123P9-680K	68	8	1.99	1.25	1.19	1.14
140-123P9-820K	82	8	1.99	1.25	1.19	1.14
140-123P9-101K	100	8	2.05	1.30	1.29	1.18
140-123P9-151K	150	8	2.05	1.30	1.29	1.18
140-123P9-181K	180	9	2.05	1.30	1.29	1.18
140-123P9-201K	200	9	2.10	1.40	1.29	1.18
140-123P9-221K	220	9	2.10	1.40	1.29	1.18
140-123P9-251K	250	11	2.18	1.49	1.31	1.24
140-123P9-271K	270	11	2.18	1.49	1.31	1.24
140-123P9-301K	300	11	2.18	1.49	1.31	1.24
140-123P9-331K	330	11	2.25	1.75	1.49	1.30
140-123P9-391K	390	12	2.25	1.75	1.49	1.30



Features:
- Straight Leads - 9.5mm lead space
- SL & Y5P Temperature Coefficients
- 10% Tolerance
- Bulk Package Standard

Other Voltages and Values Available - Call for Quote

12KV (cont.)

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Value (pfd)	Dia. (mm)	Price Each 1	100	200	500
140-123P9-471K	470	12	2.32	1.82	1.55	1.45
140-123P9-511K	510	14	2.40	1.88	1.65	1.49
140-123P9-561K	560	14	2.40	1.88	1.65	1.49
140-123P9-681K	680	14	2.49	1.99	1.88	1.77
140-123P9-821K	820	16	2.49	1.99	1.88	1.77
140-123P9-102K	1000	16	2.99	2.49	2.20	2.05

15KV

140-153P9-390K	39	8	2.25	1.40	1.35	1.29
140-153P9-470K	47	8	2.25	1.40	1.35	1.29
140-153P9-510K	51	8	2.25	1.40	1.35	1.29
140-153P9-560K	56	8	2.25	1.40	1.35	1.29
140-153P9-680K	68	8	2.25	1.40	1.35	1.29
140-153P9-820K	82	8	2.25	1.40	1.35	1.29
140-153P9-101K	100	8	2.25	1.40	1.35	1.29
140-153P9-151K	150	9	2.30	1.50	1.40	1.32
140-153P9-181K	180	9	2.30	1.50	1.40	1.32
140-153P9-201K	200	9	2.30	1.50	1.40	1.32
140-153P9-221K	220	9	2.30	1.50	1.40	1.32
140-153P9-251K	250	11	2.35	1.65	1.45	1.39
140-153P9-271K	270	11	2.35	1.65	1.45	1.39
140-153P9-301K	300	11	2.35	1.65	1.45	1.39
140-153P9-331K	330	11	2.40	1.88	1.70	1.45
140-153P9-391K	390	12	2.40	1.88	1.70	1.45
140-153P9-471K	470	12	2.49	1.99	1.75	1.49
140-153P9-511K	510	14	2.59	2.05	1.89	1.65
140-153P9-561K	560	14	2.65	2.15	1.94	1.76
140-153P9-681K	680	14	2.69	2.25	2.05	1.99
140-153P9-821K	820	18	2.75	2.35	2.20	2.08
140-153P9-102K	1000	18	3.49	2.99	2.49	2.39

MO PACK - TAPE AND BOX CERAMIC DISC CAPACITORS

ASS 1

DC Temperature Coefficient: NP0

For quantities of 8,000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	2000	4000
rance 5%						
50N2-1R0C-TB	1.0	5.0	2.5	.06	.021	.017
50N5-1R0D-TB	1.0	5.0	5.0	.06	.021	.017
50N2-2R2C-TB	2.2	5.0	2.5	.06	.021	.017
50N5-2R2D-TB	2.2	5.0	5.0	.06	.021	.017
50N2-4R7C-TB	4.7	5.0	2.5	.06	.021	.017
50N5-4R7D-TB	4.7	5.0	5.0	.06	.021	.017
50N2-100J-TB	10	5.0	2.5	.06	.021	.017
50N5-100J-TB	10	5.0	5.0	.06	.021	.017
50N2-120J-TB	12	5.0	2.5	.06	.021	.017
50N5-120J-TB	12	5.0	5.0	.06	.021	.017
50N2-150J-TB	15	5.0	2.5	.06	.021	.017
50N5-150J-TB	15	5.0	5.0	.06	.021	.017
50N2-180J-TB	18	5.0	2.5	.06	.021	.017
50N5-180J-TB	18	5.0	5.0	.06	.021	.017
50N2-200J-TB	20	5.0	2.5	.06	.021	.017
50N5-200J-TB	20	5.0	5.0	.06	.021	.017
50N2-220J-TB	22	5.0	2.5	.06	.021	.017
50N5-220J-TB	22	5.0	5.0	.06	.021	.017
50N2-270J-TB	27	5.0	2.5	.06	.021	.017
50N5-270J-TB	27	5.0	5.0	.06	.021	.017
50N2-300J-TB	30	5.0	2.5	.06	.021	.017
50N5-300J-TB	30	5.0	5.0	.06	.021	.017
50N5-330J-TB	33	5.0	5.0	.06	.021	.017
50N2-390J-TB	39	5.0	2.5	.06	.021	.017
50N5-390J-TB	39	5.0	5.0	.06	.021	.017
50N2-470J-TB	47	5.0	2.5	.06	.021	.017
50N5-470J-TB	47	5.0	5.0	.06	.021	.017
50N2-560J-TB	56	6.0	2.5	.07	.026	.022
50N5-560J-TB	56	6.0	5.0	.06	.021	.017
50N2-680J-TB	68	6.0	2.5	.07	.026	.022
50N5-680J-TB	68	6.0	5.0	.07	.026	.022
50N2-820J-TB	82	7.5	2.5	.07	.026	.022
50N5-820J-TB	82	7.5	5.0	.07	.026	.022
50N2-101J-TB	100	7.5	2.5	.08	.030	.025
50N5-101J-TB	100	7.5	5.0	.08	.030	.025
50N5-121J-TB	120	8.5	5.0	.08	.030	.025
50N5-151J-TB	150	8.5	5.0	.10	.035	.029
50N5-181J-TB	180	9.5	5.0	.12	.042	.036
50N5-221J-TB	220	10.5	5.0	.12	.044	.036
50N5-271J-TB	270	10.5	5.0	.12	.046	.041

CLASS 2

50 VDC Temperature Coefficient: Y5P

For quantities of 8,000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	2000	4000
Tolerance 10%						
140-50P2-221K-TB	220	5.0	2.5	.06	.022	.018
140-50P5-221K-TB	220	5.0	5.0	.06	.018	.015
140-50P2-331K-TB	330	5.0	2.5	.06	.022	.018
140-50P5-331K-TB	330	5.0	5.0	.08	.018	.015
140-50P2-471K-TB	470	5.0	2.5	.06	.022	.018
140-50P5-471K-TB	470	5.0	5.0	.08	.018	.015
140-50P2-561K-TB	560	5.0	2.5	.06	.022	.018
140-50P5-561K-TB	560	5.0	5.0	.06	.022	.018
140-50P2-102K-TB	1,000	5.0	2.5	.08	.022	.018
140-50P5-102K-TB	1,000	5.0	5.0	.08	.022	.018
140-50P5-222K-TB	2,200	5.0	5.0	.08	.022	.018
140-50P5-472K-TB	4,700	8.5	5.0	.08	.028	.022
140-50P5-103K-TB	10,000	16.0	5.0	.15	.046	.037

100 VDC Temperature Coefficient: Z5U

Tolerance +80% -20%						
140-100Z5-103Z-TB	10,000	7.5	5.0	.09	.030	.024
140-100Z5-223Z-TB	22,000	10.5	5.0	.12	.046	.039
† 140-100Z5-473Z-TB	47,000	12.0	5.0	.16	.100	.087

500 VDC Temperature Coefficient: Y5P

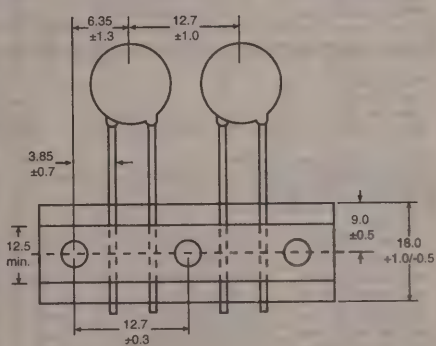
Tolerance 10%						
140-500P5-101K-TB	100	5.0	5.0	.11	.031	.025
140-500P5-151K-TB	150	5.0	5.0	.11	.031	.025
140-500P5-221K-TB	220	5.0	5.0	.11	.031	.025
140-500P5-471K-TB	470	5.0	5.0	.11	.031	.025
140-500P5-501K-TB	500	6.0	5.0	.11	.031	.025

500 VDC Temperature Coefficient: Z5U

Tolerance +80% -20%						
140-500Z5-472Z-TB	4,700	8.5	5.0	.16	.037	.029
140-500Z5-103Z-TB	10,000	10.5	5.0	.17	.060	.051
† 140-500Z5-223Z-TB	22,000	15.0	5.0	.25	.089	.076

2000 VDC Temperature Coefficient: Y5P

Tolerance 10%				1	3000	7500
* 140-202P5-101K-TB	100	7.0	5.0	.12	.041	.035
* 140-202P5-221K-TB	220	7.0	5.0	.12	.042	.036
* 140-202P5-471K-TB	470	7.0	5.0	.18	.056	.045
* 140-202P5-102K-TB	1,000	8.5	5.0	.22	.071	.059
* 140-202P5-222K-TB	2,200	12.0	5.0	.45	.170	.140



Features:
- Ammo Pack
- Straight Leads are standard.
- Formed Leads for board standoffs are available.
- Small size; large capacitance.

Tape & Box Package
2000 pieces per box
*1500 pieces per box
†1000 pieces per box

Specifications:
- **NPO:**
  Temperature Coefficient: +/- 30 ppm
  Temperature Range: -55°C to +85°C
- **Z5U / Z5V:**
  Temperature Range: +10°C to +85°C
  Dissipation Factor: 5%
  Standard Tolerance: +/- 20% or +80% -20%

CLASS 3

50 VDC Temperature Coefficient: Y5U

For quantities of 8,000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each 1	2000	4000
Tolerance 20%						
140-50U5-103M-TB	10,000	5.0	5.0	.15	.048	.038
140-50U5-104M-TB	100,000	15.0	5.0	.18	.064	.051

50 VDC Temperature Coefficient: Y5V

Tolerance +80% -20%						
140-50V5-103Z-TB	10,000	5.0	5.0	.16	.048	.038
140-50V5-223Z-TB	22,000	6.5	5.0	.17	.060	.048
140-50V5-473Z-TB	47,000	6.5	5.0	.18	.064	.051
140-50V5-104Z-TB	100,000	9.5	5.0	.19	.068	.054

AVX Metallized Polyester Film Capacitors

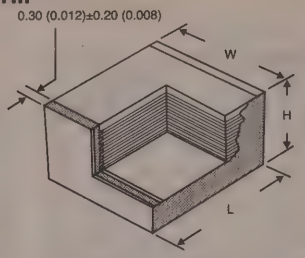
CF SERIES SMD METALLIZED FILM CHIP

Features:

- Non-polar construction.
- Low dissipation factor, ESR and ESL.
- No Piezoelectric effect.
- Excellent thermal shock resistance.
- Tape and reel for automatic placement.

Specifications:

- Climatic category - 55/125/56
- Operating Temperature: -55°C to +125°C
- Soldering - IR or Vapor phase reflow.
- Dielectric:
  2 = PET = Polyethylene Teraphtalate
  7 = PEN = Polyethylene Naphtalate
  8 = PPS = Polyethylene Sulfide



Size		1206	1812	2220
Length (L)	mm	3.20±0.30	4.50±0.50	5.70±0.50
	(inches)	(0.126±0.012)	(0.177±0.020)	(0.224±0.020)
Width (W)	mm	1.60±0.30	3.20±0.50	5.00±0.50
	(inches)	(0.063±0.012)	(0.126±0.020)	(0.197±0.020)

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	AVX Part Number	Case Size	Vdc (V)	Value (µF)	Dielectric	Tol. ±	Height (mm)	Price Each 1	50	100	500	Reel Qty.	Piece Price
581-CF012D0102J	CF012D0102JBA	1206	50	1000nF	2	5%	1.1	.46	.42	.40	.37	3900	.24
581-CF012D0152J	CF012D0152JBA	1206	50	1500nF	2	5%	1.1	.46	.42	.40	.37	3900	.24
581-CF012D0222J	CF012D0222JBA	1206	50	2200nF	2	5%	1.1	.46	.42	.40	.37	3900	.24
581-CF012D0332J	CF012D0332JBA	1206	50	3300nF	2	5%	1.1	.46	.42	.40	.37	3900	.24
581-CF012D0472J	CF012D0472JBA	1206	50	4700nF	2	5%	1.1	.46	.42	.40	.37	3900	.24
581-CF012D0103J	CF012D0103JBA	1206	50	0.01	2	5%	1.1	.46	.42	.40	.37	3400	.24
581-CF028B0473J	CF028B0473JBA	1210	16	0.047	8	5%	1.8	.78	.73	.67	.62	2500	.40
581-CF028B0683J	CF028B0683JBA	1210	16	0.068	8	5%	2.2	.84	.78	.72	.66	2500	.43
581-CF028D0153J	CF028D0153JBA	1210	50	0.015	8	5%	1.8	.74	.68	.63	.58	2500	.38
581-CF028D0223J	CF028D0223JBA	1210	50	0.022	8	5%	2.2	.75	.69	.64	.59	2500	.38
581-CF028D0273J	CF028D0273JBA	1210	50	0.027	8	5%	2.2	.41	.38	.35	.32	2000	.21
581-CF028D0333J	CF028D0333JBA	1210	50	0.033	8	5%	2.2	.77	.71	.66	.60	2000	.40
581-CF032D0103J	CF032D0103JBA	1812	50	0.01	2	5%	1.5	.50	.46	.43	.39	1500	.26
581-CF037D0103J	CF037D0103JBA	1812	50	0.01	7	5%	1.5	.38	.35	.32	.30	1500	.19
581-CF032D0104J	CF032D0104JBA	1812	50	0.1	2	5%	2	.53	.49	.45	.41	1200	.38
581-CF037D0104J	CF037D0104JBA	1812	50	0.1	7	5%	2	.45	.42	.38	.35	1500	.23
581-CF032D0224K	CF032D0224KBA	1812	63	0.22	2	10%	4.5	.57	.53	.49	.45	700	.43
581-CF032E0153J	CF032E0153JBA	1812	100	0.015	2	5%	1.5	.31	.29	.26	.24	1500	.16
581-CF032E0223J	CF032E0223JBA	1812	100	0.022	2	5%	1.5	.47	.44	.40	.37	1500	.24
581-CF032E0333K	CF032E0333KBA	1812	100	0.033	2	10%	1.5	.44	.41	.38	.35	1500	.23
581-CF032E0473J	CF032E0473JBA	1812	100	0.047	2	5%	2	.49	.46	.42	.39	1200	.35
581-CF032E0104J	CF032E0104JBA	1812	100	0.1	2	5%	2	.58	.54	.50	.46	700	.43
581-CF032G0472J	CF032G0472JBA	1812	250	4700nF	2	5%	1.5	.50	.46	.43	.39	1500	.26
581-CF042D0334J	CF042D0334JBC	2220	50	0.33	2	5%	3.4	.77	.71	.66	.60	2300	.39
581-CF042D0474J	CF042D0474JBC	2220	50	0.47	2	5%	4	.81	.75	.69	.64	2300	.42
581-CF042D0684J	CF042D0684JBC	2220	50	0.68	2	5%	4.5	.95	.88	.81	.75	1900	.68
581-CF042G0273J	CF042G0273JBC	2220	250	0.027	2	5%	1.5	.43	.40	.37	.34	4400	.20
581-CF042G0473J	CF042G0473JBC	2220	250	0.047	2	5%	2	.71	.66	.61	.55	2800	.36

BN SERIES METALLIZED POLYESTER FILM

Technology:

- Dielectric: Polyester film
- Stacked-film for pitch 7.5, 10 & 15mm(63Vdc...400Vdc)
- Wound capacitor for pitch 7.5 & 10 & 15mm(630Vdc/1000Vdc)
- Leads: Radial tinned copper wire
- Protection: Plastic case(UL94:V-O)/Polyurethane resin
- Tolerance:10%

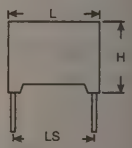
Applications:

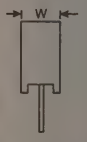
- Decoupling with AC or pulse components
- High current uses
- Capacitive dividers
- Energy saving lamps,etc.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Vdc/Vac (V)	Value (pF)	Max. L	Max. H	Max. W	LS +/- 0.4	Price Each 1	100	500	1000	2000
100 Volts												
581-BN074E0333K	BN074E0333K--	100/63	33000	9.3	8.2	3.3	7.5	.21	.19	.17	.16	.14
581-BN074E0473K	BN074E0473K--	100/64	47000	9.3	8.2	3.3	7.5	.22	.20	.18	.17	.15
581-BN104E0104K	BN104E0104K--	100/65	0.1µF	12.7	9.2	4.2	10	.25	.23	.21	.19	.17
581-BN104E0154K	BN104E0154K--	100/66	0.15µF	12.7	9.2	4.2	10	.25	.23	.21	.19	.17
581-BN104E0224K	BN104E0224K--	100/67	0.22µF	12.7	9.2	4.2	10	.25	.23	.21	.19	.17
581-BN154E0334K	BN154E0334K--	100/68	0.33µF	17.7	10.6	5.2	15	.27	.25	.23	.21	.19
581-BN154E0474K	BN154E0474K--	100/69	0.47µF	17.7	10.6	5.2	15	.31	.28	.26	.23	.21
581-BN154E0105K	BN154E0105K--	100/70	1.0µF	17.7	10.6	5.2	15	.32	.29	.27	.24	.23
250 Volts												
581-BN074G0472K	BN074G0472K--	250/115	4700	9.3	8.2	3.3	7.5	.23	.21	.19	.17	.16
581-BN074G0682K	BN074G0682K--	250/116	6800	9.3	8.2	3.3	7.5	.23	.21	.19	.17	.16
581-BN074G0103K	BN074G0103K--	250/117	10000	9.3	8.2	3.3	7.5	.23	.21	.19	.17	.16
581-BN074G0223K	BN074G0223K--	250/118	22000	9.3	8.2	3.3	7.5	.23	.21	.19	.17	.16
581-BN074G0333K	BN074G0333K--	250/119	33000	9.3	8.2	3.3	7.5	.23	.21	.19	.17	.16
581-BN104G0473K	BN104G0473K--	250/120	47000	12.7	9.2	4.2	10	.25	.23	.21	.19	.17
581-BN074G0473K	BN074G0473K--	250/121	47000	9.3	8.2	3.3	7.5	.22	.20	.18	.16	.15
581-BN104G0104K	BN104G0104K--	250/122	0.1µF	12.7	9.2	4.2	10	.22	.20	.18	.16	.15
581-BN154G0684K	BN154G0684K--	250/123	0.68µF	17.7	12.2	6.2	15	.39	.36	.33	.29	.26
400 Volts												
581-BN074I0223K	BN074I0223K--	400/200	22000	9.3	8.2	3.3	7.5	.21	.19	.17	.16	.14
581-BN104I0223K	BN104I0223K--	400/201	22000	12.7	9.2	4.2	10	.23	.21	.19	.17	.16
581-BN104I0473K	BN104I0473K--	400/202	47000	12.7	9.2	4.2	10	.24	.22	.20	.18	.17
581-BN074I0683K	BN074I0683K--	400/203	68000	10.1	11.2	5.2	7.5	.37	.34	.21	.28	.25
581-BN154I0683K	BN154I0683K--	400/204	68000	17.7	10.6	5.2	15	.29	.27	.25	.22	.20
581-BN154I0104K	BN154I0104K--	400/205	0.1µF	17.7	10.6	5.2	15	.29	.27	.25	.22	.20
630 Volts												
581-BN074K0102K	BN074K0102K--	630/220	1000	9.3	8.2	3.3	7.5	.82	.77	.69	.61	.55
581-BN104K0472K	BN104K0472K--	630/221	4700	12.7	9.2	4.2	10	.86	.79	.65	.58	.50
581-BN074K0103K	BN074K0103K--	630/222	10000	10.1	10.2	5.2	7.5	.74	.68	.62	.49	.43
581-BN074K0223K	BN074K0223K--	630/223	22000	10.1	12.2	6.2	7.5	.82	.77	.69	.61	.55
581-BN154K0333K	BN154K0333K--	630/224	33000	17.7	10.6	5.2	15	.76	.72	.64	.57	.51
1000 Volts												
581-BN104L0102K	BN104L0102K--	1000/450	1000	12.7	9.2	4.2	10	.73	.67	.61	.55	.49
581-BN104L0472K	BN104L0472K--	1000/451	4700	12.7	13.6	5.2	10	.75	.69	.63	.57	.50
581-BN224L0104K	BN224L0104K--	1000/452	0.1µF	26.7	19.6	10.2	22.5	1.49	1.37	1.24	.99	.87

DIMENSIONS (mm)





SERIES MULTILAYER METALLIZED POLYESTER FILM

ustry standard upgrade for CK05 type ceramic capacitors

multilayer film capacitors are a fully automated line of metallized miniature polyester film capacitors, a proprietary multilayer film construction. These capacitors are especially well suited for printed circuits, and decoupling of logic integrated circuits, filtering, timing, bypass, or in space-limited applications.

es:

-saving multilayer film construction
or electrical characteristics
mended soldering conditions are:
for 5 seconds

Specifications:

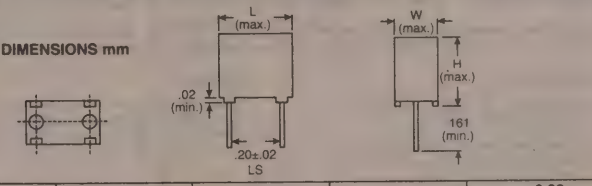
- Insulation resistance: > 10GΩ typical (4GΩ min.)
- Dissipation factor: < 0.8% @ 1kHz
- Operating Temperature: -55°C to 100°C derated @ 1.25% per °C from 85°C to 100°C

al Description:

tric: metallized polyester film
thylene teraphtalate)
d-film
radial tin-plated wire
tion: plastic case (UL94: V-O) / epoxy resin

Performance Characteristics:

- Climatic category:55/100/56 performance class 2
- Tolerances on C_R: ±5%; ±10% (other values on request)
- Nominal voltages: VR_63/100/250/400V
  VR~40/63/160/200V
- Category votage: $V_C = 0.8V_R$ at 100°C



Case	L max	H max	e max	ø ± 0.02
01	7.50 (0.295)	6.50 (0.256)	2.50 (0 098)	0.50 (0.020)
02	7.50 (0.295)	8.00 (0.315)	3.20 (0.126)	0.50 (0 020)
05	7.50 (0.295)	12.00 (0.472)	6.00 (0.126)	0.50 (0.020)
07	7.50 (0.295)	8.00 (0.315)	5.00 (0.197)	0.50 (0.020)

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Volt	Value (pF)	Tol. ±	Price Each 1	100	1000	5000
581-BF014E0102J	BF014E0102J--	100	1000	5%	.11	.100	.070	.060
581-BF014E0102K	BF014E0102K--	100	1000	10%	.10	.090	.059	.050
581-BF014E0152J	BF014E0152J--	100	1500	5%	.06	.060	.038	.032
581-BF014E0222J	BF014E0222J--	100	2200	5%	.12	.100	.070	.059
581-BF014E0222K	BF014E0222K--	100	2200	10%	.11	.100	.065	.056
581-BF014E0332J	BF014E0332J--	100	3300	5%	.12	.100	.069	.059
581-BF014E0332K	BF014E0332K--	100	3300	10%	.11	.100	.070	.060
581-BF014E0392J	BF014E0392J--	100	3900	5%	.07	.060	.038	.033
581-BF014E0392K	BF014E0392K--	100	3900	10%	.06	.050	.036	.031
581-BF014E0472J	BF014E0472J--	100	4700	5%	.12	.100	.080	.070
581-BF014E0472K	BF014E0472K--	100	4700	10%	.11	.100	.070	.060
581-BF014E0562J	BF014E0562J--	100	5600	5%	.07	.060	.039	.034
581-BF014E0562K	BF014E0562K--	100	5600	10%	.06	.053	.037	.032
581-BF014E0682J	BF014E0682J--	100	6800	5%	.08	.075	.055	.045
581-BF014E0682K	BF014E0682K--	100	6800	10%	.07	.060	.038	.033
581-BF014E0822K	BF014E0822K--	100	8200	10%	.07	.056	.039	.033
581-BF014E0103J	BF014E0103J--	100	10000	5%	.07	.060	.040	.037
581-BF014E0103K	BF014E0103K--	100	10000	10%	.10	.084	.059	.050
581-BF014E0153J	BF014E0153J--	100	15000	5%	.07	.060	.038	.033
581-BF014E0153K	BF014E0153K--	100	15000	10%	.06	.049	.034	.029
581-BF014E0183J	BF014E0183J--	100	18000	5%	.07	.055	.038	.033
581-BF014E0223J	BF014E0223J--	100	22000	5%	.12	.100	.070	.060
581-BF014E0223K	BF014E0223K--	100	22000	10%	.11	.090	.061	.053
581-BF014E0333J	BF014E0333J--	100	33000	5%	.13	.120	.080	.070
581-BF014E0333K	BF014E0333K--	100	33000	10%	.12	.110	.072	.062
581-BF014E0393K	BF014E0393K--	100	39000	10%	.06	.052	.036	.031
581-BF014E0473J	BF014E0473J--	100	47000	5%	.12	.100	.080	.070
581-BF014E0473K	BF014E0473K--	100	47000	10%	.11	.100	.070	.060
581-BF014E0563J	BF014E0563J--	100	56000	5%	.07	.057	.040	.034
581-BF014E0683J	BF014E0683J--	100	68000	5%	.12	.100	.070	.059
581-BF014E0683K	BF014E0683K--	100	68000	10%	.11	.100	.070	.060
581-BF014E0124J	BF014E0124J--	100	0.12μF	5%	.08	.070	.047	.040
581-BF014E0154J	BF014E0154J--	100	0.15μF	5%	.09	.071	.050	.043
581-BF014E0154K	BF014E0154K--	100	0.15μF	10%	.08	.067	.047	.040
581-BF074E0184K	BF074E0184K--	100	0.18μF	10%	.15	.130	.089	.077
581-BF014E0104J	BF014E0104J--	100	0.1μF	5%	.11	.090	.063	.054
581-BF014E0104K	BF014E0104K--	100	0.1μF	10%	.10	.090	.059	.050
581-BF074E0224J	BF074E0224J--	100	0.22μF	5%	.26	.220	.150	.130
581-BF074E0224K	BF074E0224K--	100	0.22μF	10%	.25	.210	.140	.126
581-BF074E0274J	BF074E0274J--	100	0.27μF	5%	.17	.150	.100	.086
581-BF074E0334J	BF074E0334J--	100	0.33μF	5%	.30	.260	.18	.16
581-BF074E0334K	BF074E0334K--	100	0.33μF	10%	.31	.260	.18	.16
581-BF074E0394J	BF074E0394J--	100	0.39μF	5%	.19	.160	.11	.093
581-BF074E0474J	BF074E0474J--	100	0.47μF	5%	.35	.300	.21	.18
581-BF074E0474K	BF074E0474K--	100	0.47μF	10%	.30	.260	.18	.15
581-BF014G0102K	BF014G0102K--	250	1000	10%	.07	.060	.040	.034
581-BF014G0682K	BF014G0682K--	250	6800	10%	.07	.061	.043	.036
581-BF014G0103J	BF014G0103J--	250	10000	5%	.09	.080	.050	.041
581-BF014G0103K	BF014G0103K--	250	10000	10%	.08	.065	.044	.038
581-BF014G0123J	BF014G0123J--	250	12000	5%	.08	.065	.045	.039
581-BF014G0153K	BF014G0153K--	250	15000	10%	.07	.061	.043	.036
581-BF024G0333K	BF024G0333K--	250	33000	10%	.10	.082	.057	.049
581-BF024G0473K	BF024G0473K--	250	47000	10%	.12	.100	.070	.062
581-BF074G0683K	BF074G0683K--	250	68000	10%	.15	.130	.089	.077
581-BF074G0104K	BF074G0104K--	250	0.1μF	10%	.18	.15	.11	.091
581-BF014I0102K	BF014I0102K--	400	1000	10%	.07	.057	.040	.034
581-BF014I0222K	BF014I0222K--	400	2200	10%	.07	.058	.040	.035
581-BF014I0332K	BF014I0332K--	400	3300	10%	.07	.058	.041	.035
581-BF014I0103K	BF014I0103K--	400	10000	10%	.08	.064	.044	.038
581-BF024I0153J	BF024I0153J--	400	15000	5%	.11	.093	.065	.056

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Volt	Value (pF)	Tol. ±	Price Each 1	100	1000	5000
BF014D0102J	BF014D0102J--	63	1000	5%	.10	.081	.057	.049
BF014D0102K	BF014D0102K--	63	1000	10%	.09	.075	.053	.045
BF014D0122J	BF014D0122J--	63	1200	5%	.07	.055	.038	.033
BF014D0122K	BF014D0122K--	63	1200	10%	.06	.052	.036	.031
BF014D0152J	BF014D0152J--	63	1500	5%	.07	.054	.038	.032
BF014D0152K	BF014D0152K--	63	1500	10%	.06	.051	.035	.030
BF014D0182J	BF014D0182J--	63	1800	5%	.07	.055	.038	.033
BF014D0182K	BF014D0182K--	63	1800	10%	.06	.052	.036	.031
BF014D0222J	BF014D0222J--	63	2200	5%	.10	.080	.070	.060
BF014D0222K	BF014D0222K--	63	2200	10%	.09	.080	.060	.050
BF014D0272J	BF014D0272J--	63	2700	5%	.07	.056	.039	.033
BF014D0332J	BF014D0332J--	63	3300	5%	.10	.081	.057	.049
BF014D0332K	BF014D0332K--	63	3300	10%	.09	.075	.053	.045
BF014D0392J	BF014D0392J--	63	3900	5%	.07	.055	.038	.033
BF014D0392K	BF014D0392K--	63	3900	10%	.08	.070	.043	.039
BF014D0472J	BF014D0472J--	63	4700	5%	.07	.060	.040	.033
BF014D0472K	BF014D0472K--	63	4700	10%	.09	.075	.053	.045
BF014D0562J	BF014D0562J--	63	5600	5%	.07	.056	.039	.034
BF014D0562K	BF014D0562K--	63	5600	10%	.06	.053	.037	.032
BF014D0682J	BF014D0682J--	63	6800	5%	.07	.058	.041	.035
BF014D0682K	BF014D0682K--	63	6800	10%	.06	.053	.037	.032
BF014D0822J	BF014D0822J--	63	8200	5%	.07	.059	.041	.036
BF014D0822K	BF014D0822K--	63	8200	10%	.07	.056	.039	.033
BF014D0103J	BF014D0103J--	63	10000	5%	.10	.081	.057	.049
BF014D0103K	BF014D0103K--	63	10000	10%	.09	.075	.053	.045
BF014D0123J	BF014D0123J--	63	12000	5%	.06	.053	.037	.032
BF014D0123K	BF014D0123K--	63	12000	10%	.06	.050	.035	.030
BF014D0153J	BF014D0153J--	63	15000	5%	.06	.052	.036	.031
BF014D0153K	BF014D0153K--	63	15000	10%	.06	.049	.034	.029
BF014D0183J	BF014D0183J--	63	18000	5%	.07	.055	.038	.033
BF014D0183K	BF014D0183K--	63	18000	10%	.06	.052	.036	.031
BF014D0223J	BF014D0223J--	63	22000	5%	.10	.080	.060	.049
BF014D0223K	BF014D0223K--	63	22000	10%	.09	.075	.053	.045
BF014D0273J	BF014D0273J--	63	27000	5%	.07	.055	.038	.033
BF014D0273K	BF014D0273K--	63	27000	10%	.06	.051	.036	.031
BF014D0333J	BF014D0333J--	63	33000	5%	.12	.110	.075	.060
BF014D0333K	BF014D0333K--	63	33000	10%	.11	.100	.065	.056
BF014D0393J	BF014D0393J--	63	39000	5%	.07	.055	.039	.033
BF014D0393K	BF014D0393K--	63	39000	10%	.06	.052	.036	.031
BF014D0473J	BF014D0473J--	63	47000	5%	.07	.060	.040	.034
BF014D0473K	BF014D0473K--	63	47000	10%	.06	.050	.040	.032
BF014D0563J	BF014D0563J--	63	56000	5%	.07	.057	.040	.034
BF014D0563K	BF014D0563K--	63	56000	10%	.06	.050	.040	.032
BF014D0683J	BF014D0683J--	63	68000	5%	.12	.110	.075	.060
BF014D0683K	BF014D0683K--	63	68000	10%	.11	.100	.067	.057
BF014D0823J	BF014D0823J--	63	82000	5%	.07	.060	.040	.035
BF014D0823K	BF014D0823K--	63	82000	10%	.06	.050	.040	.032
BF014D0124J	BF014D0124J--	63	0.12μF	5%	.08	.070	.047	.040
BF014D0154J	BF014D0154J--	63	0.15μF	5%	.18	.15	.13	.12
BF014D0154K	BF014D0154K--	63	0.15μF	10%	.08	.070	.047	.040
BF014D0104J	BF014D0104J--	63	0.1μF	5%	.12	.110	.075	.060
BF014D0104K	BF014D0104K--	63	0.1μF	10%	.11	.090	.062	.053
BF014D0224J	BF014D0224J--	63	0.22μF	5%	.17	.150	.100	.086
BF014D0224K	BF014D0224K--	63	0.22μF	10%	.16	.140	.093	.080
BF024D0274J	BF024D0274J--	63	0.27μF	5%	.14	.120	.080	.068
BF024D0274K	BF024D0274K--	63	0.27μF	10%	.13	.110	.075	.064
BF024D0334J	BF024D0334J--	63	0.33μF	5%	.19	.160	.110	.094
BF024D0334K	BF024D0334K--	63	0.33μF	10%	.18	.150	.102	.088
BF074D0394J	BF074D0394J--	63	0.39μF	5%	.19	.160	.108	.093
BF074D0474J	BF074D0474J--	63	0.47μF	5%	.25	.210	.144	.123
BF074D0474K	BF074D0474K--	63	0.47μF	10%	.23	.200	.134	.115
BF074D0564J	BF074D0564J--	63	0.56μF	5%	.21	.180	.123	.105
BF074D0684J	BF074D0684J--	63	0.68uF	5%	.24	.210	.140	.120
BF074D0684K	BF074D0684K--	63	0.68uF	10%	.23	.190	.13	.11
BF074D0105J	BF074D0105J--	63	1.0μf	5%	.44	.370	.258	.221
BF074D0105K	BF074D0105K--	63	1.0μF	10%	.40	.340	.233	.200
BF054D0155K	BF054D0155K--	63	1.5μF	10%	.42	.350	.243	.209
BF054D0225K	BF054D0225K--	63	2.2μF	10%	1.28	1.070	.747	.641

Metallized Polyester Film Capacitors Kit

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	WVDC	Kit Contains 245 Pieces	Price Each
581-BFKIT	BF004-0359	63V	20 each: 100pF, .01μF, .22μF, and .33μF. 10 each: .47μF and 1.0μF	39.95
		100V	20 each: 4700pF and .1μF 5 each: .47μF	
		250V	20 each: 4700pF and .033μF 10 each: .1μF	
		400V	20 each: .01μF 10 each: .047μF	

DME SERIES - MINIATURE METALLIZED POLYESTER CAPACITORS

Type DME radial-leaded, mini-dipped capacitors deliver the performance of other capacitors which have cases that are twice as big. Improvements in film technology permit the use of thinner dielectric and make DME the choice for all higher current AC applications where the larger size may be an advantage. DME self heals shorts caused by overvoltage transients. For small size and low cost, DME is tops.

Specifications:

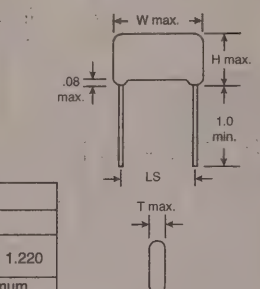
- Voltage range: 100-1000VDC (65-250VAC)
- Capacitance range: .01-10μF
- Capacitance tolerance: ± 10%
- Operating temperature range: -55°C to 125°C full-rated voltage @ 85°C - Derate linearly to 50% - rated voltage @ 125°C
- Dielectric strength: 150%
- Dissipation Factor: 1% max.
- Insulation resistance: 3,000MΩ x μF 9,000MΩ min.
- Life test: 1,000 hours at 85°C @ 125% rated voltage

Features:

- Significant size reduction and performance characteristics comparable to other film capacitors that are in larger case sizes
- DME self heals shorts caused by overvoltage transients
- Small size/low cost

Cross Reference	
Cornell Dubilier	Panasonic
DME Series	ECQE-----F

DIMENSIONS (IN.)



Pulse Capability					
Rated Volts	Body Length				
	.408	.472	.728	1.024	1.220
	dV/dt-volts per microsecond, maximum				
100	25	16	10	6	- - -
250	31	20	12	7	6
400	46	30	17	11	9
630	101	66	33	19	15
1000	- - -	93	104	70	- - -

100 VDC (65 VAC)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE P/N	Value (μF)	Dimensions (In.)					Price Each		
			W	H	T	D	LS	1	10	100
5989-100V.56	DME1P56K	.56	.472	.429	.217	.024	.394	.57	.40	.34
5989-100V.68	DME1P68K	.68	.472	.469	.236	.024	.394	.60	.42	.36
5989-100V.82	DME1P82K	.82	.472	.531	.236	.024	.394	.65	.46	.39
5989-100V1.0	DME1W1K	1.0	.472	.551	.264	.024	.394	.69	.48	.41
5989-100V1.2	DME1W1P2K	1.2	.728	.504	.217	.024	.591	.79	.55	.48
5989-100V1.5	DME1W1P5K	1.5	.728	.528	.236	.032	.591	.92	.64	.55
5989-100V1.8	DME1W1P8K	1.8	.728	.567	.278	.032	.591	1.02	.71	.61
5989-100V2.2	DME1W2P2K	2.2	.728	.591	.276	.032	.591	1.12	.79	.68
5989-100V2.7	DME1W2P7K	2.7	.728	.622	.315	.032	.591	1.29	.91	.78
5989-100V3.3	DME1W3P3K	3.3	.728	.65	.335	.032	.591	1.67	1.17	1.01
5989-100V3.9	DME1W3P9K	3.9	1.024	.646	.276	.032	.886	1.90	1.33	1.14
5989-100V4.7	DME1W4P7K	4.7	1.024	.669	.295	.032	.886	2.14	1.50	1.29
5989-100V5.6	DME1W5P6K	5.6	1.024	.689	.327	.032	.886	2.54	1.78	1.53
5989-100V6.8	DME1W6P8K	6.8	1.024	.728	.354	.032	.886	2.87	2.01	1.73
5989-100V8.2	DME1W8P2K	8.2	1.024	.787	.394	.032	.886	3.10	2.17	1.87
5989-100V10.0	DME1W10K	10.0	1.024	.827	.453	.032	.886	3.86	2.70	2.33

250 VDC (160 VAC)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE P/N	Value (μF)	Dimensions (In.)					Price Each		
			W	H	T	D	LS	1	10	100
5989-250V.01	DME2S1K	.01	.406	.291	.169	.024	.295	.37	.21	.17
5989-250V.012	DME2S12K	.012	.406	.295	.173	.024	.295	.37	.21	.17
5989-250V.015	DME2S15K	.015	.406	.295	.173	.024	.295	.37	.21	.17
5989-250V.018	DME2S18K	.018	.406	.295	.173	.024	.295	.37	.21	.17
5989-250V.022	DME2S22K	.022	.406	.295	.173	.024	.295	.37	.21	.17
5989-250V.027	DME2S27K	.027	.406	.295	.177	.024	.295	.37	.21	.17
5989-250V.033	DME2S33K	.033	.406	.295	.177	.024	.295	.37	.21	.17
5989-250V.039	DME2S39K	.039	.406	.295	.177	.024	.295	.37	.21	.17
5989-250V.047	DME2S47K	.047	.406	.295	.177	.024	.295	.37	.21	.17
5989-250V.056	DME2S56K	.056	.406	.311	.189	.024	.295	.39	.22	.19
5989-250V.068	DME2S68K	.068	.406	.295	.177	.024	.295	.40	.23	.19
5989-250V.082	DME2S82K	.082	.406	.315	.193	.024	.295	.42	.24	.20
5989-250V.1	DME2P1K	.1	.406	.331	.228	.024	.295	.44	.25	.21
5989-250V.12	DME2P12K	.12	.406	.354	.236	.024	.295	.49	.28	.23
5989-250V.15	DME2P15K	.15	.406	.425	.236	.024	.295	.49	.28	.23
5989-250V.18	DME2P18K	.18	.472	.406	.197	.024	.394	.51	.29	.24
5989-250V.22	DME2P22K	.22	.472	.413	.217	.024	.394	.52	.29	.25
5989-250V.27	DME2P27K	.27	.472	.453	.236	.024	.394	.55	.31	.26
5989-250V.33	DME2P33K	.33	.472	.472	.278	.024	.394	.59	.34	.28
5989-250V.39	DME2P39K	.39	.728	.472	.193	.024	.591	.65	.37	.31
5989-250V.47	DME2P47K	.47	.728	.492	.209	.024	.591	.70	.39	.33
5989-250V.56	DME2P56K	.56	.728	.512	.217	.024	.591	.75	.43	.36
5989-250V.68	DME2P68K	.68	.728	.531	.236	.032	.591	.84	.48	.40
5989-250V.82	DME2P82K	.82	.728	.571	.278	.032	.591	.93	.52	.44
5989-250V1.0	DME2W1K	1.0	.728	.591	.291	.032	.591	.98	.55	.46
5989-250V1.2	DME2W1P2K	1.2	.728	.626	.315	.032	.591	1.09	.62	.52
5989-250V1.5	DME2W1P5K	1.5	.728	.661	.354	.032	.591	1.35	.76	.64
5989-250V1.8	DME2W1P8K	1.8	1.024	.61	.295	.032	.886	1.51	.85	.71
5989-250V2.2	DME2W2P2K	2.2	1.024	.642	.335	.032	.886	1.65	.94	.78
5989-250V2.7	DME2W2P7K	2.7	1.024	.669	.37	.032	.886	1.86	1.05	.88
5989-250V3.3	DME2W3P3K	3.3	1.024	.709	.406	.032	.886	2.27	1.28	1.07
5989-250V3.9	DME2W3P9K	3.9	1.024	.807	.433	.032	.886	3.66	2.07	1.74
5989-250V4.7	DME2W4P7K	4.7	1.024	.846	.472	.032	.886	4.07	2.30	1.93
5989-250V5.6	DME2W5P6K	5.6	1.22	.827	.465	.032	1.083	5.15	2.91	2.44
5989-250V6.8	DME2W6P8K	6.8	1.22	.882	.512	.032	1.083	5.61	3.17	2.66
5989-250V8.2	DME2W8P2K	8.2	1.22	.925	.563	.032	1.083	6.68	3.78	3.16
5989-250V10.0	DME2W10K	10.0	1.22	1.016	.626	.032	1.083	7.74	4.38	3.67

400 VDC (200 VAC)

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	CDE P/N	Value (μF)	Dimensions (In.)					Price Each		
			W	H	T	D	LS	1	10	1
5989-400V.01	DME4S1K	.01	.406	.291	.169	.024	.295	.49	.27	.
5989-400V.015	DME4S15K	.015	.406	.295	.173	.024	.295	.49	.27	.
5989-400V.018	DME4S18K	.018	.406	.295	.173	.024	.295	.49	.27	.
5989-400V.022	DME4S22K	.022	.406	.311	.189	.024	.295	.50	.28	.
5989-400V.027	DME4S27K	.027	.406	.315	.217	.024	.295	.54	.30	.
5989-400V.033	DME4S33K	.033	.406	.354	.236	.024	.295	.57	.31	.
5989-400V.039	DME4S39K	.039	.472	.315	.193	.024	.394	.58	.32	.
5989-400V.047	DME4S47K	.047	.472	.327	.197	.024	.394	.58	.32	.
5989-400V.056	DME4S56K	.056	.472	.394	.197	.024	.394	.59	.32	.
5989-400V.068	DME4S68K	.068	.472	.413	.213	.024	.394	.60	.33	.
5989-400V.1	DME4P1K	.1	.472	.472	.248	.024	.394	.59	.32	.
5989-400V.12	DME4P12K	.12	.728	.394	.197	.024	.591	.65	.36	.
5989-400V.22	DME4P22K	.22	.728	.512	.232	.024	.591	.89	.49	.
5989-400V.27	DME4P27K	.27	.728	.563	.278	.032	.591	.91	.50	.
5989-400V.33	DME4P33K	.33	.728	.587	.276	.032	.591	.99	.55	.
5989-400V.47	DME4P47K	.47	.728	.669	.307	.032	.591	1.14	.63	.
5989-400V.56	DME4P56K	.56	1.024	.63	.278	.032	.886	1.25	.69	.
5989-400V.68	DME4P68K	.68	1.024	.65	.276	.032	.886	1.40	.77	.
5989-400V.82	DME4P82K	.82	1.024	.681	.311	.032	.886	1.53	.84	.
5989-400V1.0	DME4W1K	1.0	1.024	.709	.335	.032	.886	1.68	.93	.
5989-400V1.2	DME4W1P2K	1.2	1.024	.744	.374	.032	.886	2.34	1.29	1.
5989-400V1.5	DME4W1P5K	1.5	1.22	.748	.374	.032	1.083	2.55	1.41	1.
5989-400V2.2	DME4W2P2K	2.2	1.22	.866	.433	.032	1.083	3.44	1.90	1.

630 VDC (250 VAC)

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	CDE P/N	Value (μF)	Dimensions (In.)					Price Each		
			W	H	T	D	LS	1	10	1
5989-630V.01	DME6S1K	.01	.472	.295	.177	.024	.394	.44	.25	.
5989-630V.015	DME6S15K	.015	.472	.323	.197	.024	.394	.48	.26	.
5989-630V.022	DME6S22K	.022	.472	.413	.209	.024	.394	.51	.28	.
5989-630V.027	DME6S27K	.027	.472	.429	.217	.024	.394	.54	.30	.
5989-630V.033	DME6S33K	.033	.472	.469	.236	.024	.394	.55	.30	.
5989-630V.039	DME6S39K	.039	.472	.528	.236	.024	.394	.33	.26	.
5989-630V.047	DME6S47K	.047	.472	.531	.278	.024	.394	.59	.32	.
5989-630V.056	DME6S56K	.056	.728	.413	.213	.024	.591	.62	.34	.
5989-630V.068	DME6S68K	.068	.728	.433	.228	.024	.591	.67	.37	.
5989-630V.082	DME6S82K	.082	.728	.472	.278	.024	.591	.71	.39	.
5989-630V0.1	DME6P1K	.1	.728	.551	.248	.024	.591	.77	.42	.
5989-630V.12	DME6P12K	.12	.728	.571	.248	.032	.591	.84	.47	.
5989-630V.15	DME6P15K	.15	.728	.606	.295	.032	.591	.94	.52	.
5989-630V.22	DME6P22K	.22	.728	.65	.354	.032	.591	1.09	.60	.
5989-630V.27	DME6P27K	.27	1.024	.65	.276	.032	.886	1.25	.69	.
5989-630V.33	DME6P33K	.33	1.024	.669	.307	.032	.886	1.40	.77	.
5989-630V.39	DME6P39K	.39	1.024	.705	.335	.032	.886	1.53	.84	.
5989-630V.47	DME6P47K	.47	1.024	.728	.366	.032	.886	1.64	.91	.
5989-630V.56	DME6P56K	.56	1.024	.787	.394	.032	.886	1.93	1.07	.
5989-630V.68	DME6P68K	.68	1.024	.827	.453	.032	.886	2.52	1.39	1.
5989-630V.82	DME6P82K	.82	1.22	.807	.445	.032	1.083	2.75	1.52	1.
5989-630V1.0	DME6W1K	1.0	1.22	.862	.492	.032	1.083	3.34	1.84	1.
5989-630V1.2	DME6W1P2K	1.2	1.22	.906	.531	.032	1.083	3.52	1.94	1.
5989-630V1.5	DME6W1P5K	1.5	1.22	.972	.602	.032	1.083	4.28	2.36	2.
5989-630V1.8	DME6W1P8K	1.8	1.22	1.063	.661	.032	1.083	4.81	2.66	2.
5989-630V2.2	DME6W2P2K	2.2	1.22	1.142	.768	.032	1.083	5.61	3.10	2.

1000 VDC (250 VAC)

For quantities of 500 and up, call for quo

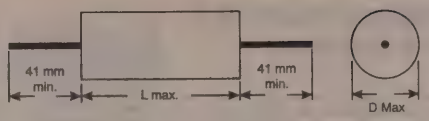
MOUSER STOCK NO.	CDE P/N	Value (μF)	Dimensions (In.)					Price Each		
			W	H	T	D	LS	1	10	1
5989-1KV.01	DME10S1K	.01	.610	.433	.236	.024	.492	.49	.33	.
5989-1KV.012	DME10S12K	.012	.610	.472	.236	.024	.492	.50	.34	.
5989-1KV.015	DME10S15K	.015	.610	.492	.276	.024	.492	.53	.36	.
5989-1KV.018	DME10S18K	.018	.610	.512	.295	.032	.492	.49	.33	.
5989-1KV.022	DME10S22K	.022	.610	.610	.295	.032	.492	.51	.35	.
5989-1KV.027	DME10S27K	.027	.827	.512	.236	.032	.689	.51	.35	.
5989-1KV.033	DME10S33K	.033	.827	.551	.278	.032	.689	.53	.36	.
5989-1KV.039	DME10S39K	.039	.827	.571	.276	.032	.689	.56	.38	.
5989-1KV.047	DME10S47K	.047	.827	.610	.295	.032	.689	.60	.41	.
5989-1KV.056	DME10S56K	.056	.827	.669	.295	.032	.689	.64	.44	.
5989-1KV.068	DME10S68K	.068	.827	.709	.335	.032	.689	.68	.47	.
5989-1KV.082	DME10S82K	.082	.827	.728	.354	.032	.689	.75	.51	.
5989-1KV0.1	DME10P1K	0.1	.827	.787	.394	.032	.689	.82	.56	.
5989-1KV0.12	DME10P12K	0.12	1.024	.728	.354	.032	.886	.85	.58	.
5989-1KV0.18	DME10P18K	0.18	1.024	.866	.413	.032	.886	1.05	.72	.
5989-1KV0.22	DME10P22K	0.22	1.024	.906	.472	.032	.886	1.22	.84	.

CORNELL DUBILIER 940C POLYPROPYLENE FILM SERIES

0C round, axial film capacitors use polypropylene film and etallized electrodes for both self healing properties and high urrent carrying capability (dV/dt). This series features low haracteristics, excellent high frequency and high capabilities.

Specifications:
- Voltage range: 1000 Vdc to 3000 Vdc
- Capacitance range: .01μF to 2μF
- Operating temperature: -55°C to +105°C
- Capacitance tolerance: ± 10%

DIMENSIONS (IN)



For quantities of 250 and up, call for quote.

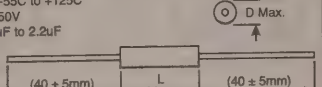
MOUSER STOCK NO.	CDE Part No.	Value (μF)	Dimensions D x L (mm)	ESR mΩ (typical)	ESL (nH)	dV/dt V/μs	I peak (A)	IRMS (A)	Price Each 1	10	25	50	100
0 VDC (500 VAC)													
4-940C10P15K	940C10P15K	.15	15.0 x 34	7	22	856	128	6.7	2.17	1.92	1.75	1.42	1.29
4-940C10P22K	940C10P22K	.22	17.5 x 34	7	23	856	188	7.4	2.56	2.25	2.03	1.67	1.53
4-940C10P33K	940C10P33K	.33	20.5 x 34	6	24	856	283	8.8	3.34	2.96	2.65	2.18	2.00
4-940C10P47K	940C10P47K	.47	24.0 x 34	5	26	856	856	10.6	4.31	3.81	3.48	2.82	2.58
4-940C10P68K	940C10P68K	.68	28.0 x 34	5	27	856	582	11.7	5.45	4.82	4.19	3.56	3.27
4-940C10W1K	940C10W1K	1	26.0 x 46	5	32	480	480	12.5	6.23	5.52	4.79	4.07	3.74
4-940C10W2K	940C10W2K	2	35.5 x 46	3	36	480	960	19.6	10.93	9.67	8.41	7.15	6.58
0 VDC (500 VAC)													
4-940C12P1K	940C12P1K	.10	15.5 x 34	9	22	1142	114	6.1	2.23	1.99	1.78	1.46	1.30
4-940C12P22K	940C12P22K	.22	21.5 x 34	7	24	1142	251	8.4	3.18	2.85	2.54	2.11	1.92
4-940C12P47K	940C12P47K	.47	23.0 x 46	7	30	640	301	9.8	4.55	4.06	3.66	3.03	2.76
4-940C12W1K	940C12W1K	1	33.0 x 46	5	35	640	640	14.5	8.00	7.06	6.27	5.33	4.86
0 VDC (630 VAC)													
4-940C16P1K	940C16P1K	.10	18.0 x 34	7	23	1427	143	7.5	2.54	2.29	2.04	1.69	1.54
4-940C16P15K	940C16P15K	.15	21.5 x 34	5	24	1427	214	9.9	3.07	2.77	2.47	2.05	1.87
4-940C16P22K	940C16P22K	.22	25.5 x 34	7	26	1427	314	9.3	4.03	3.57	3.18	2.64	2.40
4-940C16P33K	940C16P33K	.33	23.5 x 46	7	31	800	264	10.0	4.46	3.94	3.58	2.97	2.71
4-940C16P47K	940C16P47K	.47	27.5 x 46	6	32	800	376	11.8	5.67	5.00	4.45	3.78	2.45
4-940C16W1K	940C16W1K	1	39.0 x 46	5	37	800	800	16.2	10.36	9.23	8.33	6.91	6.30
4-940C16W1P5K	940C16W1P5K	1.5	42.0 x 54	4	42	628	942	20.1	13.67	12.18	10.86	9.12	8.36
0 VDC (630 VAC)													
4-940C20S47K	940C20S47K	.047	15.0 x 34	12	22	1712	80	5.2	2.22	1.91	1.72	1.53	1.4
4-940C20P1K	940C20P1K	.10	21.0 x 34	7	24	1712	171	8.3	2.86	2.48	2.20	1.99	1.84
4-940C20P22K	940C20P22K	.22	22.0 x 46	8	30	960	211	9.0	3.76	3.39	3.01	2.71	2.56
4-940C20P33K	940C20P33K	.33	27.0 x 46	8	32	960	317	10.1	5.91	4.58	4.07	3.47	3.16
4-940C20P47K	940C20P47K	.47	32.0 x 46	6	34	960	451	13.0	7.82	6.75	6.07	5.40	4.94
4-940C20P56K	940C20P56K	.56	31.0 x 54	7	37	754	422	12.6	8.50	7.33	6.59	5.86	5.36
4-940C20W1K	940C20W1K	1	41.0 x 54	5	42	754	754	17.7	13.53	11.68	10.50	9.35	8.54
0 VDC (750 VAC)													
4-940C30S1K	940C30S1K	.010	11.5 x 34	60	20	2568	26	2.0	1.78	1.54	1.38	1.23	1.12
4-940C30S47K	940C30S47K	.047	16.5 x 46	14	28	1440	68	5.7	2.58	2.23	2.00	1.78	1.63
4-940C30P1K	940C30P1K	.10	22.5 x 46	10	30	1440	144	8.1	4.03	3.47	3.13	2.78	2.54

ALLORY 150 SERIES AXIAL METALLIZED POLYESTER FILM CAPACITOR

ent choice for general purpose applications such as blocking, bypass, decoupling, smoothing and some timing, y storage/discharge and arc suppression.

- leakage
- -Polar
- Inductively wound
- xy end fill meets UL94V-0
- ne retardant Polyester wrap
- ts UL510

- Operating temperature: -55C to +125C
- Voltage range: 63V to 650V
- Capacitance range: .01uF to 2.2uF
- Tolerance: 5%,10%



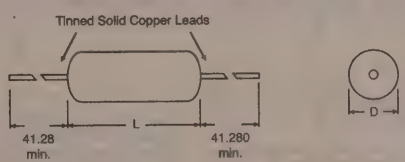
uantities of 200 and up, call for quote.

MOUSER STOCK NO.	Mallory Type 935	Value (μF)	Tol. ±	Dimen. (mm) D x L	Price Each 1	50	100	500
VDC (63 VAC)								
-150104J100AA	150104J100AA	0.1	5%	5 x 11	.53	.49	.43	.38
-150224J100CB	150224J100CB	0.22	5%	6.5 x 16.5	.64	.59	.51	.45
-150334J100EB	150334J100EB	0.33	5%	8 x 16	.68	.62	.54	.48
-150684J100FC	150684J100FC	0.68	5%	8.5 x 20.5	.90	.82	.82	.63
-150105J100IC	150105J100IC	1	5%	10 x 20.5	1.18	1.08	.94	.83
VDC (160 VAC)								
-150223J250AA	150223J250AA	0.022	5%	5 x 11	.50	.46	.40	.35
-150333J250AA	150333J250AA	0.033	5%	5 x 11	.50	.46	.40	.35
-150473J250AA	150473J250AA	0.047	5%	5 x 11	.50	.46	.40	.35
-150104J250CB	150104J250CB	0.1	5%	6.5 x 16.5	.86	.79	.69	.61
-150224J250FB	150224J250FB	0.22	5%	8.5 x 16.5	.69	.63	.55	.48
-150334J250FC	150334J250FC	0.33	5%	8.5 x 20.5	.80	.73	.64	.56
-150474J250HC	150474J250HC	0.47	5%	9.5 x 20.5	.86	.79	.69	.61
-150105J250JE	150105J250JE	1	5%	10.5 x 28	1.13	1.04	.91	.80
-150225K250PF	150225K250PF	2.2	10%	13.5 x 33	1.79	1.65	1.43	1.27
VDC (200 VAC)								
-150103J400AA	150103J400AA	0.01	5%	5 x 11	.48	.44	.38	.34
-150223K400BB	150223K400BB	0.022	10%	6 x 16.5	.58	.53	.46	.41
-150473J400DB	150473J400DB	0.047	5%	7 x 16.5	.64	.59	.51	.45
-150104K400EC	150104K400EC	0.1	10%	8 x 20.5	.65	.59	.52	.46
-150224J400FE	150224J400FE	0.22	5%	8.5 28	.92	.85	.74	.65
-150334J400IE	150334J400IE	0.33	5%	10 x 28	.93	.86	.74	.66
-150474J400LF	150474J400LF	0.47	5%	11.5 x 33	1.14	1.05	.91	.80
VDC (220 VAC)								
-150102J630AA	150102J630AA	0.001	5%	5 x 11	.53	.49	.43	.38
-150222J630AA	150222J630AA	0.0022	5%	5 x 11	.57	.53	.46	.41
-150332J630AA	150332J630AA	0.0033	5%	5 x 11	.57	.52	.46	.40
-150472J630AA	150472J630AA	0.0047	5%	5 x 11	.80	.74	.64	.57
-150103J630BB	150103J630BB	0.01	5%	6 x 16.5	.59	.54	.47	.42
-150223J630DB	150223J630DB	0.022	5%	7 x 16.5	.65	.60	.52	.46
-150473J630EC	150473J630EC	0.047	5%	8 x 20.5	.80	.74	.64	.57
-150104J630FE	150104J630FE	0.1	5%	8.5 28	1.10	1.01	.88	.78
-150224J630LE	150224J630LE	0.22	5%	11.5 x 28	1.29	1.19	1.03	.83

CDE CORNELL DUBILIER 935 METALLIZED POLYPROPYLENE SERIES

Designed for 20 - 100K Hz switching power supply input filtering, DC blocking and output filter applications where high current, high capacitance, and low ESR values are important. Dry sections are sealed with flame-retardant outer wrap and epoxy end seals for moisture resistance. This non-protected film capacitor has Underwriters Laboratories, Inc., recognition for construction only. U.L. File Number assigned is E128034(N)

Specifications
- Tolerance: ±10%
- Temperature range: -55°C to 105°C
- Voltage range: 100, 200, and 400VDC
- Maximum DF (1K Hz, +25°C): 0.1%
- Capacitance range: 1-30μF
- Dielectric strength: 200%
- Insulation resistance: 200,000MΩ x μF
- Life test: 1,000 hrs. at 85°C @ 125% rated voltage



DIMENSIONS (mm)

For quantities of 200 and up, call for quote.

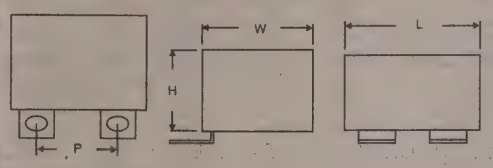
MOUSER STOCK NO.	CDE Type 935	Value (μF)	Dimensions (mm) D	L	Price Each 1	25	50	100
100 VDC (70 VAC)								
5984-100V1	935C1W1K	1	11.9	19.0	5.86	4.88	4.39	3.91
5984-100V2	935C1W2K	2	13.6	23.8	6.18	5.15	4.63	4.12
5984-100V3	935C1W3K	3	13.6	23.8	6.55	5.86	4.91	4.37
5984-100V5	935C1W5K	5	16.3	31.7	6.89	5.74	5.17	4.59
5984-100V10	935C1W10K	10	20.4	38.1	14.93	12.45	11.20	9.96
5984-100V20	935C1W20K	20	22.2	57.1	16.05	13.37	12.04	10.70
200 VDC (140 VAC)								
5984-200V1	935C2W1K	1	11.4	31.7	4.29	3.58	3.22	2.86
5984-200V2	935C2W2K	2	15.4	31.7	5.28	4.40	3.96	3.52
5984-200V3	935C2W3K	3	16.6	38.1	5.78	4.82	4.34	3.85
5984-200V10	935C2W10K	10	23.0	57.1	10.53	8.78	7.90	7.02
400 VDC (275 VAC)								
5984-400V1	935C4W1K	1	15.7	38.1	5.93	4.95	4.45	3.96
5984-400V2	935C4W2K	2	20.4	44.4	6.70	5.59	5.03	4.47
5984-400V3	935C4W3K	3	24.4	44.4	8.62	7.18	6.46	5.74
5984-400V5	935C4W5K	5	27.1	57.1	10.53	8.78	7.90	7.02
5984-400V10	935C4W10K	10	39.2	57.1	13.78	11.49	10.34	9.19

CDE CORNELL DUBILIER IGBT SNUBBER CAPACITOR MODULES SCD SERIES

The SCD series offers protection against voltage transients in low to medium current IGBT applications where high dV/dt is encountered. Connect these capacitors from C1 to E2 on a dual IGBT module or form P to N on a six-pack module to eliminate severe voltage transients. Fits IGBTs with 23mm, 25mm, and 28mm lead spacing.

Features:

- High peak and RMS current capability
- Mount directly to the IGBT module
- Low loss polypropylene dielectric
- Self healing
- Low inductance <20nH
- 85°C ambient temperature



For quantities of 50 and up, call for quo

MOUSER STOCK NO.	CDE Part No.	Value (µF)	ESR (mΩ)	dV/dt (V/µs)	Ipk(A)	Dimension In. W	L	H	Price Each 1	5	10	25
1000 Vdc (330 VAC)												
598-SCD474K102A	SCD474K102A3Z25	0.47	11	250	118	24.6	47	24	15.62	14.32	13.02	11.7
598-SCD684K102A	SCD684K102A3Z25	0.68	7	200	136	29	47	26.7	19.37	17.76	16.15	14.5
598-SCD105K102A	SCD105K102A3Z25	1	4	200	200	29	47	26.7	19.53	17.90	16.28	14.6
598-SCD155K102A	SCD155K102A3Z25	1.5	4	160	240	32.3	45.1	35.6	20.03	18.36	16.70	15.0
598-SCD205K102A	SCD205K102A3Z25	2	4	160	320	34.8	45.1	35.6	18.77	17.21	15.65	14.0
1200 Vdc (580 VAC)												
598-SCD224K122A	SCD224K122A3Z25	0.22	19	650	143	24.6	47	24	16.07	14.73	13.39	12.0
598-SCD334K122A	SCD334K122A3Z25	0.33	13	650	215	29	47	26.7	19.88	18.22	16.57	14.9
598-SCD474K122A	SCD474K122A3Z25	0.47	10	500	235	29	47	26.7	19.88	18.22	16.57	14.9
598-SCD105K122A	SCD105K122A3Z25	1	5	500	500	34.8	45.1	35.6	19.85	18.19	16.54	14.8
598-SCD205K122A	SCD205K122A3Z25	2	4	400	800	46.4	56.5	49.5	32.42	29.71	27.01	24.3
598-SCD305K122C	SCD305K122C3Z25	3	5	400	1200	76.2	62.9	38.1	38.72	35.49	32.26	29.0
1600 Vdc (630VAC)												
598-SCD334K162A	SCD334K162A3Z25	0.33	12	650	215	29	47	26.7	19.88	18.22	16.57	14.9
598-SCD474K162A	SCD474K162A3Z25	0.47	10	650	306	32.3	45.1	35.6	20.26	18.57	16.88	15.1
598-SCD105K162A	SCD105K162A3Z25	1	6	500	500	38.1	52	38.1	22.52	20.65	18.77	16.8
598-SCD205K162A	SCD205K162A3Z25	2	5	400	800	44.5	66.7	46.4	31.09	28.50	25.91	23.3
2000 Vdc (630VAC)												
598-SCD224K202A	SCD224K202A3Z25	0.22	19	800	176	24.6	47	24	16.41	15.05	13.68	12.3
598-SCD334K202A	SCD334K202A3Z25	0.33	13	800	264	32.3	45.1	35.6	19.94	18.28	16.62	14.9
598-SCD474K202A	SCD474K202A3Z25	0.47	10	600	282	34.3	56	30.5	21.04	19.29	17.54	15.7

MALLORY QUENCHARC® ARC SUPPRESSOR / SNUBBER NETWORKS

Features:

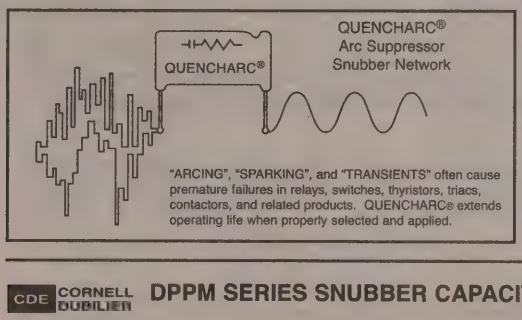
- Metallized Polyester Capacitor in series with a carbon composition resistor.
- Flame Retardant epoxy coated case

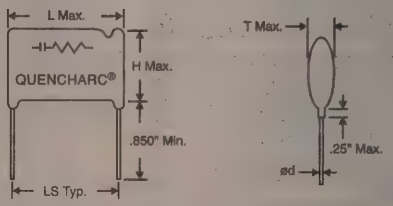
Specifications:

- Operating Temperature: -55°C to +85°C
- Capacitance Tolerance: ±20%
- Resistance Tolerance: ±10%

Applications:

- Noise and Arc Supression
- RC Snubber Network
- Relay Contact Protection
- EMI/RFI reduction
- Noise reduction on Controllers/Drivers


QUENCHARC®
QUENCHARC®
Arc Suppressor
Snubber Network
"ARCING", "SPARKING", and "TRANSIENTS" often cause premature failures in relays, switches, thyristors, triacs, contactors, and related products. QUENCHARC® extends operating life when properly selected and applied.



For quantities of 200 and up, call for quo

MOUSER STOCK NO.	Mallory Part No.	Value (µF)	Resistor Watts	(Ω)	Dimension (mm) W	T	H	LS	Price Each 1	25	50	100
200 Volt DC (125VAC)												
539-504M02QA100	504M02QA100	.50	0.5	100	27.4	9.4	16.3	20.8	5.01	4.00	3.80	3.4
539-504M02QA220	504M02QA220	.50	0.5	220	27.4	9.4	16.3	20.8	5.01	4.00	3.80	3.4
600 Volt DC (250VAC)												
539-104M06QC22	104M06QC22	.10	0.5	22	27.4	9.9	16.8	20.8	4.56	3.64	3.46	3.1
539-104M06QC100	104M06QC100	.10	0.5	100	27.4	9.9	16.8	20.8	4.56	3.64	3.46	3.1
539-104M06QC150	104M06QC150	.10	0.5	150	27.4	9.9	16.8	20.8	5.20	4.16	3.95	3.5

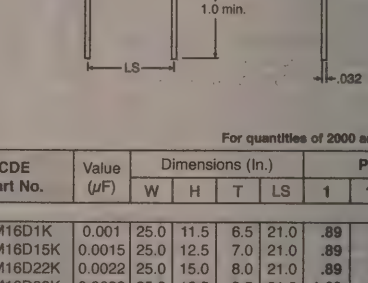
CDE CORNELL DUBILIER DPPM SERIES SNUBBER CAPACITORS

Type DPPM radial-leaded, metallized polypropylene capacitors utilize series wound extended foil with floating metallized common foil construction. Type DPPM offers excellent high frequency and high current capabilities and self-healing characteristics. With low inductance and high dV/dt characteristics, DPPM is ideal for snubber applications.

Specifications:

- Voltage range: 1000-2000VDC (450-500VAC)
- Capacitance range: .001-.047µF
- Capacitance tolerance: ±10%
- Operating temperature range: -40°C to 105°C full-rated voltage @ 85°C - derate linearly to 50% - rated voltage @ 105°C
- Dielectric strength: 175%
- Dissipation Factor: .10% max.
- Insulation resistance: 400,000MΩ min.
- Life test: 500 hours at 85°C @ 150% rated voltage

DIMENSIONS (mm)



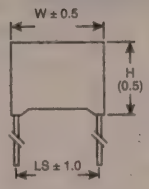
For quantities of 2000 and up, call for quote.

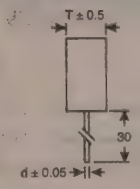
MOUSER STOCK NO.	CDE Part No.	Value (µF)	Dimensions (In.) W	H	T	LS	Price Each 1	10	100	1000
1000 Vdc (450 VAC)										
5989-1KV.001	DPPM10D1K	0.001	25.0	11.5	6.5	21.0	.83	.71	.59	.384
5989-1KV.0022	DPPM10D22K	0.0022	25.0	11.5	6.5	21.0	.83	.71	.59	.384
5989-1KV.0047	DPPM10D47K	0.0047	25.0	13.5	7.5	21.0	.88	.76	.63	.409
5989-1KV.01-1	DPPM10S1K	0.01	25.0	16.5	9.5	21.0	.93	.80	.66	.430
5989-1KV.015-1	DPPM10S15K	0.015	31.0	17.0	9.5	26.5	.98	.84	.70	.483
5989-1KV.022-1	DPPM10S22K	0.022	31.0	18.5	11.0	26.5	1.44	1.23	1.03	.666
5989-1KV.033-1	DPPM10S33K	0.033	31.0	20.5	13.0	26.5	1.72	1.47	1.23	.795
1200 Vdc (475 VAC)										
5989-1.2KV.001	DPPM12D1K	0.001	25.0	11.5	6.5	21.0	.87	.75	.62	.402
5989-1.2KV.0015	DPPM12D15K	0.0015	25.0	11.5	6.5	21.0	.87	.75	.62	.402
5989-1.2KV.0022	DPPM12D22K	0.0022	25.0	12.5	7.0	21.0	.87	.75	.62	.402
5989-1.2KV.0033	DPPM12D33K	0.0033	25.0	13.0	7.5	21.0	.95	.82	.68	.441
5989-1.2KV.0047	DPPM12D47K	0.0047	25.0	14.0	8.0	21.0	.95	.82	.68	.441
5989-1.2KV.01	DPPM12S1K	0.01	31.0	16.0	9.0	21.0	1.07	.92	.77	.496
5989-1.2KV.015	DPPM12S15K	0.015	31.0	18.0	10.5	26.5	1.41	1.21	1.01	.654
5989-1.2KV.022	DPPM12S22K	0.022	31.0	20.0	12.0	26.5	1.68	1.44	1.20	.776
5989-1.2KV.033	DPPM12S33K	0.033	31.0	22.0	14.0	26.5	2.11	1.81	1.51	.977

For quantities of 2000 and up, call for quo

MOUSER STOCK NO.	CDE Part No.	Value (µF)	Dimensions (In.) W	H	T	LS	Price Each 1	10	100	1000
1600 Vdc (500 VAC)										
5989-1.6KV.001	DPPM16D1K	0.001	25.0	11.5	6.5	21.0	.89	.77	.64	.413
5989-1.6KV.0015	DPPM16D15K	0.0015	25.0	12.5	7.0	21.0	.89	.77	.64	.413
5989-1.6KV.0022	DPPM16D22K	0.0022	25.0	15.0	8.0	21.0	.89	.77	.64	.413
5989-1.6KV.0033	DPPM16D33K	0.0033	25.0	16.5	9.5	21.0	1.00	.86	.71	.462
5989-1.6KV.0047	DPPM16D47K	0.0047	25.0	19.0	10.5	21.0	1.11	.95	.79	.512
5989-1.6KV.01	DPPM16S1K	0.01	31.0	22.0	12.0	26.5	1.35	1.16	.97	.624
5989-1.6KV.015	DPPM16S15K	0.015	31.0	24.5	15.0	26.5	1.72	1.47	1.23	.797
5989-1.6KV.022	DPPM16S22K	0.022	31.0	27.5	18.0	26.5	2.10	1.80	1.50	.970
2000 Vdc (500 VAC)										
5989-2KV.001	DPPM20D1K	0.001	25.0	12.5	7.0	21.0	.96	.82	.69	.444
5989-2KV.0015	DPPM20D15K	0.0015	25.0	14.0	8.0	21.0	.96	.82	.69	.444
5989-2KV.0022	DPPM20D22K	0.0022	25.0	16.0	9.0	21.0	.96	.82	.69	.444
5989-2KV.0033	DPPM20D33K	0.0033	25.0	17.5	10.5	21.0	1.14	.98	.82	.528
5989-2KV.0047	DPPM20D47K	0.0047	31.0	19.0	10.0	26.5	1.26	1.08	.90	.582
5989-2KV.01	DPPM20S1K	0.01	31.0	22.0	14.0	26.5	1.64	1.40	1.17	.756
5989-2KV.015	DPPM20S15K	0.015	31.0	24.5	16.0	26.5	2.07	1.77	1.48	.958

SUPPRESSOR METALLIZED POLYESTER FILM
158X SERIES - TYPE X2





res:
and CSA Approved
ne retardant case meets UL 94V0
urethane end fill meets UL 94V0
d in applications where damage to the capacitor not lead to the danger of electrical shock

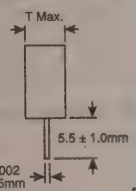
Specifications:
- Operating temperature: -40°C to +100°C
- Voltage range: 250VRMS
- Tolerance: ±20%
- Lead material: tinned copper clad steel

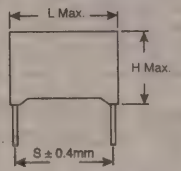
ety Agency	Standard	File Number
	UL-1414	E151554
	UL-1283	E151553
A	C22 2, No.8-M1986	LR37404-33M
E	VDE0565-1	18022-4670-1700
MKO	SS443-04-01	9308002
V	SEV1055	92.552158.01
	E384/14-82 (IEC384-14, 1981)	164090-01
MKO	Heavy Current Regulations Section 21 and IEC384-14	112398EC/121
MKO	NEMKO132/85	M70107

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Value (µF)	Dimensions (mm)					Price Each			
			W	T	H	LS	d	1	50	100	500
539-158X103	158X103	.010	17.0	5.0	12.0	15.0	0.6	.63	.57	.51	.40
539-158X223	158X223	.022	17.0	5.0	12.0	15.0	0.6	.63	.57	.51	.40
539-158X333	158X333	.033	17.0	5.0	12.0	15.0	0.6	.81	.73	.65	.52
539-158X473	158X473	.047	17.0	5.5	12.5	15.0	0.8	.65	.58	.52	.41
539-158X104	158X104	.100	17.0	8.0	15.0	15.0	0.8	.66	.59	.53	.42
539-158X224	158X224	.220	25.0	8.0	17.5	22.5	0.8	1.10	.99	.88	.70
539-158X334	158X334	.330	25.0	10.0	19.5	22.5	0.8	1.67	1.51	1.34	1.07
539-158X474	158X474	.470	30.0	11.0	22.0	27.5	0.8	1.61	1.44	1.28	1.03
539-158X684	158X684	.680	30.0	13.5	24.5	27.5	0.8	2.89	2.60	2.31	1.85
539-158X105	158X105	1.0	30.5	15.0	24.5	27.5	1.0	2.94	2.64	2.35	1.88
539-158X225	158X225	2.2	41.0	17.5	32.8	37.5	1.0	7.35	6.62	5.88	4.70

METALLIZED POLYESTER FILM, RADIAL





lent choice for general purpose applications such cking, bypass, decoupling, smoothing and some , energy storage/discharge and arc suppression.

Features:
- Non-Polar
- Low leakage
- Non inductively wound
- Epoxy Encapsulent meets UL94V-0
- Flame retardant case meets UL94V-0

Specifications:
- Operating temperature: -55C to +125C
- Voltage range: 160 series - 63V to 650V
  168 series - 50 to 400V
- Capacitance range: 160 series - .0033uF to 3.3uF
  168 series - .001uF to 1uF
- Tolerance: 5%,10%

SERIES

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (µF)	Tol. ±	Dimensions (mm)					Price Each			
				L	l	H	S	Ød	1	50	100	500
Vdc (40 VAC)												
9-160474K63D	160474K63D	0.47	10%	13	5	11	10	0.8	.62	.57	.50	.44
9-160105J63E	160105J63E	1.0	5%	13	6	12	10	0.8	1.07	.98	.86	.76
0 Vdc (63 VAC)												
9-160104K100C	160104K100C	0.1	10%	13	4	9.5	10	0.8	.50	.46	.40	.35
9-160124J100C	160124J100C	0.12	5%	13	4	9.5	10	0.8	.53	.49	.43	.38
9-160154J100C	160154J100C	0.15	5%	13	4	9.5	10	0.8	.59	.54	.47	.41
9-160224K100D	160224K100D	0.22	10%	13	5	11	10	0.8	.42	.39	.34	.30
9-160224J100D	160224J100D	0.22	5%	13	5	11	10	0.8	.44	.41	.35	.31
9-160334J100E	160334J100E	0.33	5%	13	6	12	10	0.8	.48	.44	.38	.34
9-160474K100F	160474K100F	0.47	10%	13	6	12	10	0.8	.60	.55	.48	.42
9-160105K100H	160105K100H	1.0	10%	18	7.5	13.5	15	0.8	.97	.89	.78	.69
9-160335K100O	160335K100O	3.3	10%	26.5	10	19	22.5	0.8	1.78	1.64	1.43	1.26
0 Vdc (160 VAC)												
9-160333K250C	160333K250C	0.033	10%	13	4	935	10	0.8	.48	.45	.39	.34
9-160473K250C	160473K250C	0.047	10%	13	4	935	10	0.8	.51	.47	.41	.36
9-160683K250C	160683K250C	0.068	10%	13	4	935	10	0.8	.36	.33	.29	.25
9-160104J250D	160104J250D	0.1	5%	13	5	11	10	0.8	.37	.34	.29	.26
9-160104K250D	160104K250D	0.1	10%	13	5	11	10	0.8	.34	.31	.27	.24
9-160224J250F	160224J250F	0.22	5%	18	5	11	15	0.8	.55	.51	.44	.39
9-160334J250G	160334J250G	0.33	5%	18	6	12	15	0.8	.65	.60	.52	.46
9-160105K250N	160105K250N	1.0	10%	26.5	8.5	17	22.5	0.8	1.20	1.11	.96	.85
9-160225J250P	160225J250P	2.2	5%	32	11	20	27.5	0.8	2.13	1.96	1.71	1.51
9-160335J250Q	160335J250Q	3.3	5%	32	13	22.5	27.5	0.8	2.75	2.53	2.21	1.95
0 Vdc (200 VAC)												
9-160104J400G	160104J400G	0.1	5%	18	6	12	15	0.8	.61	.56	.49	.43
0 Vdc (220 VAC)												
9-160103K630C	160103K630C	0.01	10%	13	4	9.5	10	0.8	.51	.47	.41	.36
9-160103J630C	160103J630C	0.01	5%	13	4	9.5	10	0.8	.56	.51	.45	.40
9-160104J630L	160104J630L	0.1	5%	26.5	6	15	22.5	0.8	1.06	.97	.85	.75
00 Vdc (250 VAC)												
9-160222J1000C	160222J1000C	0.0022	5%	13	4	9.5	10	0.8	.33	.30	.26	.23
9-160104J1000N	160104J1000N	0.1	5%	26.5	8.5	17	22.5	0.8	1.44	1.32	1.15	1.01

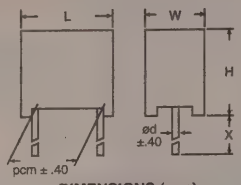
SERIES

For quantities of 1000 and up, call for quote.

Vdc (30 VAC)												
9-168224J50C	168224J50C	0.22	5%	7.2	3.5	7.5	5	0.6	.46	.42	.37	.32
9-168105J50G	168105J50G	1	5%	7.2	6	11	5	0.6	1.03	.95	.83	.73
Vdc (40 VAC)												
9-168473J63A	168473J63A	0.047	5%	7.2	2.5	6.5	5	0.6	.32	.29	.25	.22
9-168104J63A	168104J63A	0.1	5%	7.2	2.5	6.5	5	0.6	.30	.28	.24	.21
9-168224J63C	168224J63C	0.22	5%	7.2	3.5	7.5	5	0.6	.46	.42	.37	.32
9-168334K63H	168334K63H	0.33	10%	7.2	4.5	8.5	5	0.6	.51	.47	.41	.36
9-168474J63H	168474J63H	0.47	5%	7.2	4.5	8.5	5	0.6	.65	.60	.52	.46
Vdc (63 VAC)												
9-168332J100A	168332J100A	0.0033	5%	7.2	2.5	6.5	5	0.6	.35	.32	.28	.24
9-168472J100A	168472J100A	0.0047	5%	7.2	2.5	6.5	5	0.6	.35	.32	.28	.24
9-168103J100A	168103J100A	0.01	5%	7.2	2.5	6.5	5	0.6	.30	.28	.24	.21
9-168223J100A	168223J100A	0.022	5%	7.2	2.5	6.5	5	0.6	.32	.29	.25	.22
9-168333J100C	168333J100C	0.033	5%	7.2	3.5	7.5	5	0.6	.35	.32	.28	.24
9-168473J100C	168473J100C	0.047	5%	7.2	3.5	7.5	5	0.6	.38	.35	.30	.27
9-168104J100H	168104J100H	0.1	5%	7.2	4.5	8.5	5	0.6	.40	.37	.32	.28

F1778 SUPPRESSION AC-CAPACITORS (MKP) CLASS X2 AC 275V

Specifications:
- Dielectric: polypropylene film
- Electrodes: metal evaporated
- Construction: metalized film capacitor, single design
- Rated Voltage: 50/60Hz: 275VAC
- Coating: plastic case, epoxy resin sealed, flame retardent. S/B 94V-0
- Capacitance Tolerance: standard: ± 20% / ±10%
- Approvals: UL1283, UL1414, CSA 22.2, EN132400, IEL 60384-14
- Lead Diameter: .60mm or .80mm



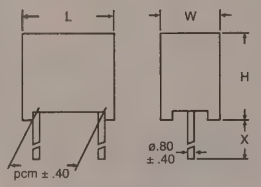
DIMENSIONS (mm)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)					Price Each		
		X	pcm	W	H	L	1	50	100
10% Tolerance									
75-F1778310K2DCR0	0.01	4	10	3.7	8.9	12.8	.49	.41	.32
75-F1778322K2DBB0	0.022	4	10	3.7	8.9	12.8	.49	.41	.32
75-F1778347K2FCB0	0.047	4	15	5.3	10.4	17.8	.52	.44	.34
20% Tolerance									
75-F1778310M2DCB0	0.01	4	10	3.7	8.9	12.8	.49	.41	.32
75-F1778347M2FCB0	0.047	4	15	5.3	10.4	17.8	.52	.44	.34
75-F1778410M2FCB0	0.1	4	15	7.3	13.4	17.8	.84	.71	.55
75-F1778422M2FCB0	0.22	4	15	8.3	17.4	17.8	.75	.63	.48
75-F1778447M2ICT0	0.47	6	22.5	10.2	18.4	26.3	1.02	.86	.66
75-F1778510M2KCT0	1.0	6	27.5	13.0	23.3	31.2	1.66	1.41	1.08
75-F1778522M2KCT0	2.2	6	27.5	17.8	32.4	31.2	2.77	2.35	1.80

F1710 SUPPRESSION AC-CAPACITORS (MKT) CLASS Y2 AC 250V

Specifications:
- Dielectric: polyester film
- Rated Voltage: 50/60Hz: 250VAC
- Coating: plastic case, epoxy resin sealed, flame retardent, UL-class 94V-0
- Capacitance Tolerance: ± 20%
- Approvals: UL1283, UL1414, CSA 22.2, EN132400, IEC60384-14
- Tolerance: ±20%
- Different lead lengths available
- Lead Diameter: .80mm



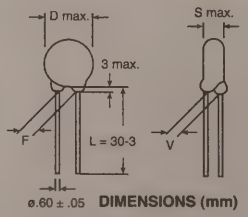
DIMENSIONS (mm)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)					Price Each		
		X	pcm	W	H	L	1	50	100
75-F17102101000	1000pF	1.4	15	5.3	10.3	17.8	.68	.62	.57
75-F17102221000	2200pF	1.4	15	5.3	10.3	17.8	.68	.62	.57
75-F17102471000	4700pF	1.4	15	5.3	10.3	17.8	.68	.62	.57
75-F17103101000	0.01	2.0	15	6.3	12.3	17.8	.80	.74	.67
75-F17103221000	0.022	3.4	15	8.3	17.3	17.8	1.10	1.01	.92
75-F17103471000	0.047	4.8	22.5	8.2	16.3	26.3	1.54	1.41	1.28
75-F17104101000	0.1	9.4	27.5	11.0	20.3	31.3	2.31	2.11	1.92

WYO SERIES CERAMIC AC CAPACITORS CLASS X1, 440VAC / CLASS Y2, 250VAC

Specifications:
- Design: ceramic disc with epoxy coating
- Rated voltage: 250VAC: 50/60Hz (Y2); 440VAC: 50Hz (X1)
- Coating: epoxy, dipped, insulating, flame retarding (UL 94V0)
- Approvals: IEC 60384-14/2, UL 1414, CSA C 22.2



DIMENSIONS (mm)

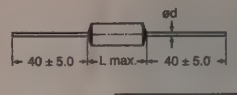
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dimensions (mm)				Price Each		
		F ± 1	V ± .50	D	S	1	50	100
75-WYO102MCMBF0KR	1000	5	1.4	6.5	4.5	.10	.072	.058
75-WYO222MCMBF0KR	2200	5	1.4	9.0	4.5	.12	.096	.077
75-WYO252MCMBF0KR	2500	5	1.4	9.0	4.5	.13	.11	.081
75-WYO332MCMCF0KR	3300	7.5	1.4	10.0	4.5	.20	.16	.13
75-WYO472MCMBF0KR	4700	7.5	1.4	12.0	4.5	.21	.18	.14
75-WYO472MCMCF0KR	4700	7.5	1.4	12.0	4.5	.21	.18	.14
75-WYO103MCMCF0KR	0.01uF	7.5	1.6	21.0	4.5	.53	.44	.35
75-WYO123MCMCF0KR	0.012uF	7.5	1.6	21.0	4.5	.53	.44	.35

F1773 SUPPRESSION AC-CAPACITORS (MKT) CLASS X2 AC 253V AXIAL

Specifications:
- Dielectric: polyester film
- Construction: metalized film capacitor, internal series connection
- Rated Voltage: 50/60Hz: 253VAC; 50/60Hz: 250VAC
- Approvals: UL 1283, IEC 60384-14/2, EN132400

DIMENSIONS (mm)



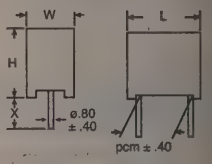
d (mm) [Lead dia.]	D (mm)
.70	≤ 7
.80	> 7 / < 16.5
1.0	≥ 16.5

For quantities of 500 and up, call for quot

MOUSER STOCK NO.	Value (µF)	Tolerance %	Dimensions (mm)		Price Each		
			D	L	1	50	100
75-F17734102000	0.1	10	9.5	19.0	1.74	1.39	1.18
75-F17734222000	0.22	10	10.0	26.5	2.25	1.80	1.53
75-F17734332000	0.33	10	12.0	26.5	2.68	2.15	1.82
75-F17734472000	0.47	10	14.0	26.5	2.96	2.37	2.01
75-F17734682000	0.68	10	15.0	31.5	3.43	2.74	2.33
75-F17735102000	1.0	10	18.0	31.5	4.64	3.71	3.15
75-F17735152000	1.5	10	18.0	41.5	5.33	4.27	3.63
75-F17735222000	2.2	10	21.5	41.5	7.49	5.99	5.09

F1772 SUPPRESSION AC-CAPACITORS (MKT) CLASS X2 AC 275V

Specifications:
- Tolerance: ±10%
- Dielectric: polyester film
- Electrodes: metal evaporated
- Construction: metalilized film capacitor, internal series connection
- Rated Voltage: 50/60Hz: 275VAC
- Coating: plastic case, epoxy resin sealed, flame retardant; UL 94V-0
- Capacitance Tolerance: ±10% standard
- Approvals: UL1283, UL1414, CSA C22.2, IEC60384-14/2, EN132400, EN60068-1
- Different lead space and different lead lengths available



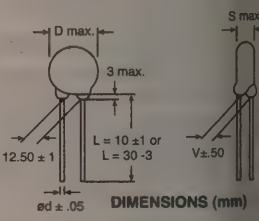
DIMENSIONS (mm)

For quantities of 500 and up, call for quot

MOUSER STOCK NO.	Value (uF)	Dimensions (mm)					Price Each		
Mfr. Mfr. Part No.		X	pcm	W	H	L	1	50	100
75—F17724102000	0.1	2.7	15	8.3	14.4	17.8	1.05	.90	.75
75—F17724222000	0.22	4.6	22.5	8.3	16.4	26.2	1.40	1.20	1.00
75—F17724332000	0.33	6.7	22.5	10.3	18.4	26.2	1.88	1.61	1.34
75—F17724472000	0.47	9.1	27.5	11.0	20.3	31.2	2.26	1.94	1.62
75—F17724682000	0.68	12.9	27.5	13.3	23.3	31.2	2.91	2.49	2.08
75—F17725102000	1.0	15.0	27.5	14.5	24.4	31.2	3.76	3.23	2.69
75—F17725222000	2.2	31.6	37.5	17.9	32.4	41.2	6.88	5.90	4.92

WKP SUPPRESSION CERAMIC CAPACITORS CLASS X1, 760VAC, CLASS Y1, 500VAC

Specifications:
- Tolerance: 20%
- Design: ceramic disc with epoxy coating
- Rated voltage: 50/60Hz: 760VAC (X1); 50/60Hz: 500VAC (Y1)
- Coating: epoxy, dipped, insulating, flame retarding (UL 94V0) Important: minimum thickness of 0.4 mm for the epoxy coating is now confirmed by the VDE-approval board in Germany.
- Approvals: UL1414, CSA 22.2, IEC 60384-14/2, EN132400



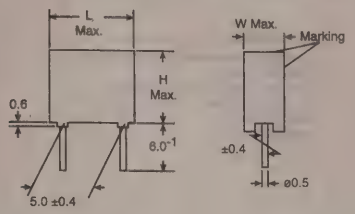
DIMENSIONS (mm)

For quantities of 500 and up, call for quot

MOUSER STOCK NO.	Value (pF)	Dimensions (mm)				Price Each		
		d ± .05	V ± .50	D	S	1	50	100
75-WKP330MCPEF0KR	33	0.6	1.9	8.0	6.0	.49	.45	.41
75-WKP470MCPEF0KR	47	0.6	2.3	8.0	6.0	.49	.45	.41
75-WKP680MCPEF0KR	68	0.6	2.3	8.0	6.0	.49	.45	.41
75-WKP101MCPEF0KR	100	0.6	2.3	8.0	6.0	.49	.45	.41
75-WKP151MCPEF0KR	150	0.6	2.3	8.0	6.0	.49	.45	.41
75-WKP331MCPEF0KR	330	0.6	2.5	8.0	6.0	.49	.45	.41
75-WKP471MCPEF0KR	470	0.6	2.5	8.0	6.0	.49	.45	.41
75-WKP681MCPEF0KR	680	0.6	2.5	9.0	6.0	.49	.45	.41
75-WKP102MCPEJ0KR	1000	0.8	2.7	10.0	6.0	.61	.56	.51
75-WKP152MCPEJ0KR	1500	0.8	2.7	12.0	6.0	.80	.73	.67
75-WKP222MCPEJ0KR	2200	0.8	2.7	13.0	6.0	1.00	.91	.83
75-WKP332MCPEJ0KR	3300	0.8	2.7	15.0	6.0	1.37	1.26	1.14
75-WKP472MCPEJ0KR	4700	0.8	2.7	18.0	6.0	1.70	1.56	1.42

SHAY MKT1817 METALLIZED POLYESTER M CAPACITORS

DIMENSIONS (mm)



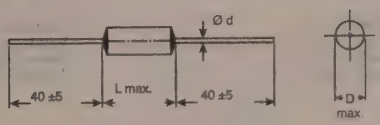
cifications:
lectric: polyester film
ctrodes: vacuum deposited aluminum
ating: flame retardant plastic case, green,
oxy resin sealed
nstruction: extended metallized film
erating Temperature: -55°C to +100°C
pacitance Drift: up to +40°C, ±1.5%
a period of two years
liability: operational life > 300,000 hours

For quantities of 500 and up, call for quote.

USER STOCK NO.	Value	Volt	Tol. ±	Dimensions			Price Each		
Mfr. Part No.	(uF)	(DC)	(%)	W	H	L	1	50	100
-MKT1817410064	0.1	63	5	2.5	6.0	7.5	.26	.23	.19
-MKT1817410065	0.1	63	10	2.5	6.0	7.5	.25	.22	.18
-MKT1817422064	0.22	63	5	3.5	8.5	7.5	.34	.29	.24
-MKT1817422065	0.22	63	10	3.5	8.5	7.5	.32	.28	.23
-MKT1817433065	0.33	63	10	4.5	9.5	7.5	.41	.35	.29
-MKT1817447064	0.47	63	5	5.0	10.0	7.5	.53	.45	.38
-MKT1817447065	0.47	63	10	5.0	10.0	7.5	.48	.41	.34
-MKT1817510064	1.0	63	5	5.5	11.5	7.5	.77	.66	.55
-MKT1817510065	1.0	63	10	5.5	11.5	7.5	.74	.63	.53
-MKT1817310015	0.01	100	10	2.5	6.0	7.5	.27	.23	.19
-MKT1817322014	0.022	100	5	2.5	6.0	7.5	.23	.20	.17
-MKT1817322015	0.022	100	10	2.5	6.0	7.5	.22	.19	.16
-MKT1817347014	0.047	100	5	2.5	6.0	7.5	.23	.20	.17
-MKT1817310254	0.01	250	5	2.5	6.0	7.5	.30	.26	.22
-MKT1817410255	0.1	250	10	5.5	11.5	7.5	.46	.39	.33
-MKT1817210405	0.001	400	10	2.5	6.0	7.5	.27	.23	.19

VISHAY MKT1813 METALLIZED POLYESTER FILM CAPACITORS

DIMENSIONS (mm)



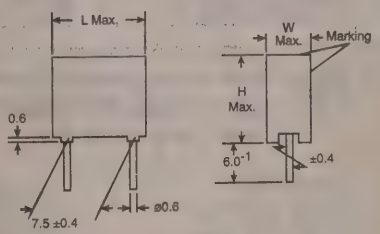
Specifications:
- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: plastic-wrapped, epoxy resin sealed
- Construction: extended metallized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Value	Volt	Tol. ±	Dimensions		Price Each		
Mfr. Mfr. Part No.	(uF)	(DC)	(%)	D	L	1	50	100
75-MKT1813447064	0.47	63	5	7.0	14.0	1.02	.88	.73
75-MKT1813522064	2.2	63	5	8.5	26.5	2.66	2.28	1.90
75-MKT1813533064	3.3	63	5	10.0	26.5	3.55	3.04	2.53
75-MKT1813410014	0.1	100	5	5.0	11.0	.64	.55	.46
75-MKT1813422015	0.22	100	10	6.0	14.0	.64	.55	.46
75-MKT1813510014	1.0	100	5	8.5	19.0	1.37	1.17	.98
75-MKT1813510015	1.0	100	10	8.5	19.0	1.26	1.08	.90
75-MKT1813322254	0.022	250	5	5.0	11.0	.59	.50	.42
75-MKT1813322255	0.022	250	10	5.0	11.0	.27	.23	.19
75-MKT1813410254	0.1	250	5	6.0	14.0	.66	.56	.47
75-MKT1813510255	1.0	250	10	10.0	26.5	1.90	1.63	1.36
75-MKT1813610254	10	250	5	21.0	41.5	6.91	5.76	4.61
75-MKT1813310404	0.01	400	5	5.0	11.0	.59	.50	.42
75-MKT1813410635	0.1	630	10	10.5	19.0	1.77	1.52	1.26

HAY MKT1818 METALLIZED POLYESTER FILM CAPACITORS

DIMENSIONS (mm)



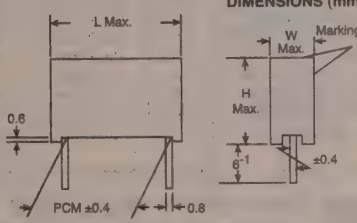
cifications:
lectric: polyester film
ctrodes: vacuum deposited aluminum
oating: flame retardant plastic case
onstruction: extended metallized film
perating Temperature: -55°C to +100°C
pacitance Drift: up to +40°C, ±1.5%
a period of two years
liability: operational life > 300,000 hours

For quantities of 500 and up, call for quote.

USER STOCK NO.	Value	Volt	Tol. ±	Dimensions			Price Each		
Mfr. Part No.	(uF)	(DC)	(%)	W	H	L	1	50	100
-MKT1818433064	0.33	63	5	4.0	9.0	10.0	.37	.32	.27
-MKT1818447064	0.47	63	5	4.5	9.5	10.0	.49	.42	.35
-MKT1818510064	1.0	63	5	5.7	11.5	10.3	.77	.66	.55
-MKT1818510065	1.0	63	10	5.7	11.5	10.3	.72	.62	.52
-MKT1818410014	0.1	100	5	3.0	8.5	10.0	.27	.23	.19
-MKT1818410015	0.1	100	10	3.0	8.5	10.0	.26	.22	.18
-MKT1818433014	0.33	100	5	5.0	10.5	10.3	.45	.39	.32
-MKT1818310255	0.01	250	10	2.5	7.5	10.0	.22	.19	.16

VISHAY MKT1822 METALLIZED POLYESTER FILM CAPACITORS

DIMENSIONS (mm)



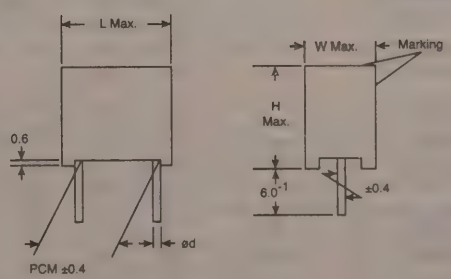
Specifications:
- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: flame retardant plastic case, green, epoxy resin sealed
- Construction: extended metallized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Value	Volt	Tol. ±	Dimensions			Price Each		
Mfr. Mfr. Part No.	(uF)	(DC)	(%)	W	H	L	1	50	100
75-MKT1822510064	1.0	63	5	5.5	10.5	18.0	1.21	1.04	.86
75-MKT1822522064	2.2	63	5	7.5	13.5	18.0	2.23	1.91	1.59
75-MKT1822410014	0.1	100	5	4.0	9.0	13.0	.43	.37	.31
75-MKT1822422015	0.22	100	10	4.5	9.5	13.0	.50	.43	.36
75-MKT1822447014	0.47	100	5	5.5	10.5	18.0	.73	.63	.52
75-MKT1822510015	1.0	100	10	7.5	13.5	18.0	1.07	.92	.76
75-MKT1822347254	0.047	250	5	4.0	9.0	13.0	.39	.33	.28
75-MKT1822510255	1.0	250	10	8.5	16.5	26.5	1.31	1.13	.94
75-MKT1822310404	0.01	400	5	4.0	9.0	13.0	.39	.33	.28
75-MKT1822333404	0.033	400	5	4.0	9.0	13.0	.41	.35	.29
75-MKT1822447405	0.47	400	5	10.5	18.5	26.5	1.25	1.07	.90
75-MKT1822310635	0.01	630	10	4.0	9.0	13.0	.46	.39	.33

HAY MKP1841 METALLIZED POLYPROPYLENE FILM CAPACITORS

DIMENSIONS (mm)



cifications:
oating: flame retardant plastic case, blue,
oxy resin sealed
nstruction: extended double-sided metallized
ypropylene film
liability: operational life > 300,000 hours

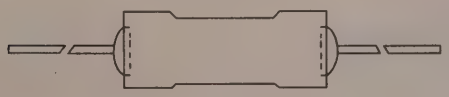
- Electrodes: vacuum deposited aluminum
- Dielectric: polypropylene film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±0.5% for a period of two years

For quantities of 500 and up, call for quote.

USER STOCK NO.	Value	Volt	Tol. ±	Dimensions			Price Each		
Mfr. Part No.	(uF)	(DC)	(%)	W	H	L	1	50	100
-MKP1841422255	0.22	250	10	8.5	17.5	18.0	1.40	1.20	1.00
-MKP1841415404	0.15	400	5	8.5	16.5	26.5	1.52	1.30	1.08
-MKP1841215635	.0015	630	10	3.0	8.5	10.0	.58	.50	.41
-MKP1841310635	0.01	630	10	5.5	10.5	18.0	.65	.56	.47
-MKP1841310105	0.01	1000	10	6.5	14.5	26.5	1.09	.93	.78
-MKP1841410105	0.1	1000	10	13.5	23.5	31.5	2.88	2.47	2.06

192P SERIES POLYESTER FILM/FOIL, SLEEVED, MINIATURE, AXIAL LEAD CAPACITORS

Specifications:
- Encased in an orange heat shrinkable polyolefin sleeve
- Non-inductively wound
- Moisture resistant
- Dissipation Factor: 1.0% Maximum
- Voltage Test: 200% of rated voltage for 1 minute
- Operating Temperature is -55°C to +85°C
- Tolerance: 10%

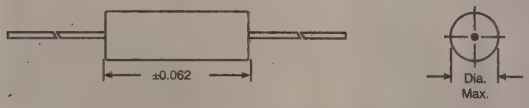


For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (µF)	Dimensions Dia. x L (in.)	Price Each 1	50	100	500
80 VDC/55 VAC							
75—192P222X9080		0.0022	.153 x .437	1.05	.75	.60	.48
75—192P472X9080		0.0047	.153 x .437	1.05	.75	.60	.48
75—192P682X9080		0.0068	.185 x .5	1.16	.83	.66	.53
75—192P103X9080		0.01	.185 x .5	1.05	.75	.60	.48
75—192P223X9080		0.022	.185 x .625	1.17	.84	.67	.54
75—192P333X9080		0.033	.229 x .562	1.32	.94	.75	.60
75—192P473X9080		0.047	.229 x .687	1.27	.91	.73	.58
75—192P683X9080		0.068	.25 x .687	1.39	1.00	.80	.64
75—192P104X9080		0.1	.315 x .645	1.46	1.04	.83	.67
75—192P224X9080		0.22	.343 x .77	2.23	1.59	1.27	1.02
75—192P334X9080		0.33	.343 x 1.332	3.08	2.20	1.76	1.41
200 VDC/140 VAC							
75—192P101X9200		0.0001	.153 x .437	2.46	2.05	1.64	1.52
75—192P102X9200		0.001	.153 x .437	.86	.61	.49	.39
75—192P222X9200		0.0022	.185 x .437	.91	.65	.52	.42
75—192P332X9200		0.0033	.185 x .437	.91	.65	.52	.42
75—192P472X9200		0.0047	.185 x .562	.93	.66	.53	.42
75—192P103X9200		0.01	.185 x .625	.93	.67	.53	.43
75—192P223X9200		0.022	.229 x .687	1.12	.80	.64	.51
75—192P333X9200		0.033	.25 x .687	1.18	.84	.67	.54
75—192P473X9200		0.047	.315 x .645	1.24	.88	.71	.56
75—192P104X9200		0.1	.343 x .77	1.40	1.00	.80	.64
75—192P224X9200		0.22	.343 x 1.332	1.92	1.37	1.10	.88

730P SERIES METALLIZED POLYPROPYLENE CAPACITORS

Specifications:
- Operating Temperature: -55°C to +85°C
- Tolerance: 10%
- Low Power Dissipation
- Excellent AC Performance
- Low Dielectric Absorption
- Humidity Test: 95% relative humidity @ +40°C 250 for hours. No visible damage.
  Maximum Δ CAP ±1.0%
  Minimum IR = 20% of intial limit
  Maximum DF = 0.12%

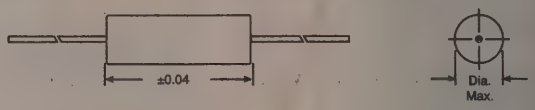


For quantities of 200 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (µF)	Dimensions Dia. x L (in.)	Price Each 1	10	50	100
100 WVDC							
75—730P474X9100		0.47	.376 x .75	5.49	4.58	3.66	3.39
75—730P105X9100		1.0	.421 x 1.0	6.60	5.50	4.40	4.07
250 WVDC							
75—730P104X9250		0.1	.279 x .75	3.18	2.65	2.12	1.96
75—730P224X9250		0.22	.306 x 1.0	3.39	2.83	2.26	2.09
75—730P474X9250		0.47	.422 x 1.0	3.78	3.15	2.52	2.33
75—730P105X9250		1.0	.513 x 1.25	3.99	3.33	2.66	2.46
75—730P205X9250		2.0	.70 x 1.25	5.10	4.25	3.40	3.15
400 WVDC							
75—730P104X9400		0.1	.348 x .75	3.42	2.85	2.28	2.11
75—730P474X9400		0.47	.545 x 1.0	4.08	3.40	2.72	2.52
75—730P205X9400		2.0	.752 x 1.75	5.28	4.40	3.52	3.26
630 WVDC							
75—730P104X9630		0.1	.408 x 1.0	3.60	3.00	2.40	2.22
75—730P105X9630		1.0	.794 x 1.75	6.81	5.68	4.54	4.20

632P SERIES METALLIZED POLYCARBONATE, WRAP-AND-FILL

Specifications:
- Operating Temperature: -55°C to +125°C
- Tolerance: 5%
- Dissipation Factor: 0.25% maximum
- Superior Performance
- High Efficiency
- High Reliability
- High Stability
- Rugged Construction
- Humidity Test: 95% relative humidity @ +40°C for 240 hours. No visible damage.
  Maximum Δ CAP ±5%
  Minimum IR = 50% of intial limit
  Maximum DF = 0.5%



For quantities of 50 and up, call for quote

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (µF)	Dimensions Dia. x L (in.)	Price Each 1	5	10	25
50 WVDC							
75—632P103X5050		0.01	.17 x .44	16.17	15.34	14.51	13.68
75—632P153X5050		0.015	.17 x .44	16.17	15.34	14.51	13.68
75—632P223X5050		0.022	.17 x .44	16.17	15.34	14.51	13.68
75—632P333X5050		0.033	.17 x .44	27.63	26.21	24.80	23.38
75—632P473X5050		0.047	.17 x .44	16.58	15.73	14.88	14.03
75—632P104X5050		0.1	.19 x .56	30.13	28.58	27.04	25.49
75—632P154X5050		0.15	.23 x .44	32.60	30.93	29.26	27.59
75—632P224X5050		0.22	.23 x .56	35.08	33.28	31.48	29.68
75—632P334X5050		0.33	.25 x .56	38.98	36.98	34.98	32.98
75—632P474X5050		0.47	.31 x .56	43.93	41.68	39.43	37.17
75—632P684X5050		0.68	.31 x .56	50.31	47.73	45.15	42.37
75—632P105X5050		1	.31 x .75	59.18	56.15	53.11	50.08
75—632P155X5050		1.5	.35 x .75	68.74	65.21	61.69	58.16
75—632P205X5050		2	.4 x .75	79.37	75.30	71.23	67.16
75—632P225X5050		2.2	.4 x .75	86.46	82.03	77.60	73.16
75—632P305X5050		3	.4 x 1.0	101.34	96.14	90.95	85.75
75—632P475X5050		4.7	.45 x 1.25	143.50	136.14	128.78	121.42
75—632P106X5050		10	.6 x 1.31	314.30	298.18	282.07	265.95

735P SERIES HIGH CURRENT, WRAP-AND-FILL, METALLIZED POLYPROPYLENE FILM CAPACITORS

Specifications:
- Operating Temperature: -55°C to +105°C
- Low ESR
- High Ripple to 30 Amps
- Tolerance: 10%
- Low Inductance
- Humidity Test: 95% relative humidity @ +40°C 250 fo hours. No visible damage.
  Maximum Δ CAP ±1.0%
  Minimum IR = 20% of intial limit
  Maximum DF = 0.12%

For quantities of 50 and up, call for quote

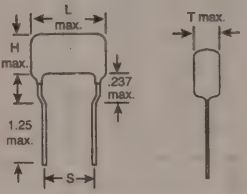
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (µF)	Dimensions Dia. x L (in.)	Price Each 1	5	10	25
100 WVDC							
75—735P105X9100L		1.0	.531 x .75	5.75	5.46	5.16	4.87
75—735P205X9100L		2.0	.596 x .938	7.29	6.92	6.55	6.17
75—735P305X9100L		3.0	.717 x .938	8.60	8.16	7.72	7.28
75—735P505X9100L		5.0	.733 x 1.25	11.19	10.62	10.05	9.47
75—735P106X9100L		10	.898 x 1.5	51.79	49.14	46.48	43.82
75—735P206X9100L		20	1.0 x 2.25	84.20	79.88	75.59	71.25
200 WVDC							
75—735P105X9200L		1.0	.512 x 1.25	4.00	3.79	3.59	3.38
75—735P205X9200L		2.0	.698 x 1.25	4.82	4.57	4.32	4.08
75—735P305X9200L		3.0	.747 x 1.5	5.66	5.37	5.08	4.79
75—735P505X9200L		5.0	.862 x 1.75	6.47	6.14	5.81	5.48
75—735P106X9200L		10	1.03 x 2.25	28.02	26.58	25.15	23.71
75—735P206X9200L		20	1.44 x 2.25	54.62	51.82	49.02	46.22
400 WVDC							
75—735P105X9400L		1.0	.713 x 1.5	5.67	5.38	5.09	4.80
75—735P205X9400L		2.0	.895 x 1.75	6.44	6.11	5.78	5.45
75—735P305X9400L		3.0	1.086 x 1.75	9.46	8.97	8.49	8.00
75—735P505X9400L		5.0	1.192 x 2.25	10.10	9.58	9.07	8.55
75—735P106X9400L		10	1.668 x 2.25	36.93	35.04	33.15	31.25

MOUSER ELECTRONICS a tti company (800) 346-6873

TYPE 225P POLYESTER FILM CAPACITORS

25P capacitors are wound from PETP polyester film and thin gauge foil under carefully controlled
pheric conditions. Protected against moisture by a conformal coating of epoxy. Specifically designed for
wiring board applications. Widely used in computers, instrumentation and telecommunications equipment.

Specifications:
- Operating temperature: -55°C to +85°C
- Tolerance: ±10%
- Dissipation factor: maximum dissipation factor .75%
- Life test: shall withstand 500 hour life test at +85°C @ 150% of rated voltage



DIMENSIONS (IN.)

VDC / 70 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)				Price Each		
			L	H	T	S	1	25	100
225P100V0.001	225P10291WD3	0.001	.70	.35	.25	.375	.56	.43	.28
225P100V0.0015	225P15291WD3	0.0015	.70	.35	.25	.375	.56	.43	.28
225P100V0.0022	225P22291WD3	0.0022	.70	.35	.25	.375	.56	.43	.28
225P100V0.0033	225P33291WD3	0.0033	.70	.35	.25	.375	.56	.43	.28
225P100V0.0039	225P39291WD3	0.0039	.70	.35	.25	.375	.56	.43	.28
225P100V0.0047	225P47291WD3	0.0047	.70	.35	.25	.375	.56	.43	.28
225P100V0.0056	225P56291WD3	0.0056	.70	.35	.25	.375	.56	.43	.28
225P100V0.0068	225P68291WD3	0.0068	.70	.35	.25	.375	.56	.43	.28
225P100V0.01	225P10391WD3	0.01	.70	.35	.25	.375	.56	.43	.28
225P100V0.015	225P15391WD3	0.015	.70	.35	.25	.375	.56	.43	.28
225P100V0.022	225P22391WD3	0.022	.70	.35	.25	.375	.56	.43	.28
225P100V0.027	225P27391WD3	0.027	.70	.37	.27	.375	.56	.43	.28
225P100V0.033	225P33391WD3	0.033	.70	.37	.27	.375	.67	.51	.33
225P100V0.039	225P39391WD3	0.039	.70	.42	.30	.375	.62	.48	.31
225P100V0.047	225P47391WD3	0.047	.70	.42	.30	.375	.62	.48	.31
225P100V0.056	225P56391WD3	0.056	.70	.49	.34	.375	.67	.51	.33
225P100V0.068	225P68391WD3	0.068	.70	.49	.34	.375	.67	.51	.33
225P100V0.082	225P82391WD3	0.082	.70	.55	.40	.375	.67	.51	.33
225P100V0.1	225P10491WD3	0.1	.70	.55	.40	.375	.67	.51	.33
225P100V0.12	225P12491XD3	0.12	.80	.57	.37	.375	.88	.68	.44
225P100V0.15	225P15491XD3	0.15	.80	.62	.40	.375	.88	.68	.44
225P100V0.18	225P18491XD3	0.18	.80	.66	.43	.375	1.04	.80	.52
225P100V0.22	225P22491XD3	0.22	.80	.70	.46	.375	1.04	.80	.52
225P100V0.27	225P27491XD3	0.27	.80	.74	.49	.375	1.25	.96	.63
225P100V0.33	225P33491XD3	0.33	.80	.77	.52	.375	1.25	.96	.63
225P100V0.47	225P47491XD3	0.47	.80	.86	.60	.375	1.80	1.39	.90
225P100V0.56	225P56491YD3	0.56	1.25	.88	.55	.719	2.20	1.70	1.11
225P100V0.68	225P68491YD3	0.68	1.25	.90	.58	.719	2.20	1.70	1.11
225P100V0.82	225P82491YD3	0.82	1.25	.94	.65	.719	2.73	2.11	1.37
225P100V1.0	225P10591YD3	1.0	1.25	.98	.72	.719	2.73	2.11	1.37

200 VDC / 140 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)				Price Each		
			L	H	T	S	1	25	100
75-225P200V0.01	225P10392XD3	0.01	.80	.58	.28	.375	.67	.51	.33
75-225P200V0.022	225P22392XD3	0.022	.80	.58	.25	.375	.75	.58	.38
75-225P200V0.047	225P47392XD3	0.047	.80	.61	.28	.375	.82	.63	.41
75-225P200V0.1	225P10492XD3	0.1	.80	.71	.37	.375	.82	.63	.41
75-225P200V0.15	225P15492XD3	0.15	.80	.74	.41	.375	.88	.68	.44
75-225P200V0.22	225P22492XD3	0.22	.80	.77	.48	.375	1.04	.80	.52
75-225P200V0.33	225P33492YD3	0.33	1.25	.71	.41	.719	1.25	.96	.63
75-225P200V0.47	225P47492YD3	0.47	1.25	.83	.50	.719	1.82	1.40	.91
75-225P200V0.68	225P68492YD3	0.68	1.25	1.14	.84	.719	2.56	1.97	1.29

400 VDC / 200 VAC

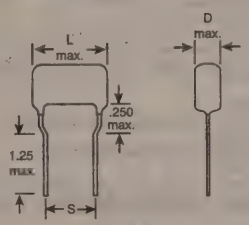
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)				Price Each		
			L	H	T	S	1	25	100
75-225P400V0.001	225P10294XD3	0.001	.80	.55	.25	.375	.67	.51	.33
75-225P400V0.0047	225P47294XD3	0.0047	.80	.55	.25	.375	.67	.51	.33
75-225P400V0.01	225P10394XD3	0.01	.80	.58	.28	.375	.67	.51	.33
75-225P400V0.015	225P15394XD3	0.015	.80	.58	.28	.375	.70	.54	.35
75-225P400V0.022	225P22394XD3	0.022	.80	.58	.31	.375	.70	.54	.35
75-225P400V0.033	225P33394XD3	0.033	.80	.65	.34	.375	.82	.63	.41
75-225P400V0.047	225P47394XD3	0.047	.80	.65	.41	.375	.82	.63	.41
75-225P400V0.1	225P10494XD3	0.1	.80	.84	.52	.375	1.04	.80	.52
75-225P400V0.15	225P15494YD3	0.15	1.25	.80	.47	.719	1.25	.96	.63
75-225P400V0.22	225P22494YD3	0.22	1.25	.89	.56	.719	1.82	1.40	.91
75-225P400V0.33	225P33494YD3	0.33	1.25	.99	.72	.719	2.56	1.97	1.29
75-225P400V0.47	225P47494YD3	0.47	1.25	1.14	.84	.719	4.95	3.82	2.49

TYPE 715P POLYPROPYLENE FILM CAPACITORS

715P capacitors are ideal for applications where high AC current flow is found, as in certain solid-state TV
al circuits, RF generators, and pulse-forming networks where dielectric heating is often a problem.

Specifications:
- Operating temperature: -55°C to 85°C; up to +105°C when working voltage is reduced to 50% of the 85°C rating
- Tolerance: ±5%
- Life test: shall withstand 500 hour life test at +85°C @ 150% of rated voltage
- Conformally coated with a flame retardant epoxy



DIMENSIONS (IN.)

VDC / 155 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)			Price Each		
			L	D	S	1	25	100
715P200V0.01	715P10352JD3	0.01	.75	.37	.375	.53	.40	.31
715P200V0.015	715P15352JD3	0.015	.75	.37	.375	.53	.40	.31
715P200V0.022	715P22352JD3	0.022	.75	.37	.375	.53	.40	.31
715P200V0.033	715P33352JD3	0.033	.75	.42	.375	.60	.46	.35
715P200V0.047	715P47352KD3	0.047	.95	.40	.375	.67	.52	.39
715P200V0.068	715P68352KD3	0.068	.95	.45	.375	.67	.52	.39
715P200V0.1	715P10452LD3	0.1	1.30	.45	.719	.77	.59	.45
715P200V0.15	715P15452LD3	0.15	1.30	.55	.719	.89	.68	.52
715P200V0.22	715P22452LD3	0.22	1.30	.62	.719	1.07	.82	.63
715P200V0.33	715P33452MD3	0.33	1.70	.65	1.09	1.40	1.07	.82
715P200V0.47	715P47452MD3	0.47	1.70	.75	1.09	1.71	1.31	1.00

VDC / 200 VAC

For quantities of 250 and up, call for quote.

715P400V0.0047	715P47254JD3	0.0047	.75	.40	.375	.53	.40	.31
715P400V0.0068	715P68254JD3	0.0068	.75	.40	.375	.53	.40	.31
715P400V0.01	715P10354JD3	0.01	.75	.40	.375	.53	.40	.31
715P400V0.022	715P22354KD3	0.022	.95	.45	.375	.67	.52	.39
715P400V0.033	715P33354KD3	0.033	.95	.50	.375	.67	.52	.39
715P400V0.047	715P47354LD3	0.047	1.30	.50	.719	.84	.64	.49
715P400V0.068	715P68354LD3	0.068	1.30	.55	.719	.91	.70	.53
715P400V0.1	715P10454LD3	0.1	1.30	.60	.719	.98	.75	.58
715P400V0.15	715P15454LD3	0.15	1.30	.65	.719	1.06	.81	.62
715P400V0.22	715P22454MD3	0.22	1.70	.70	1.09	1.42	1.09	.83
715P400V0.33	715P33454MD3	0.33	1.70	.80	1.09	1.48	1.13	.87
715P400V0.47	715P47454MD3	0.47	1.70	.90	1.09	2.03	1.56	1.19

VDC / 200 VAC

For quantities of 250 and up, call for quote.

715P600V0.001	715P10256JD3	0.001	.75	.40	.375	.47	.36	.28
715P600V0.0015	715P15256JD3	0.0015	.75	.40	.375	.47	.36	.28
715P600V0.0022	715P22256JD3	0.0022	.75	.40	.375	.47	.36	.28
715P600V0.0033	715P33256JD3	0.0033	.75	.40	.375	.47	.36	.28
715P600V0.0047	715P47256JD3	0.0047	.75	.45	.375	.47	.36	.28
715P600V0.0068	715P68256JD3	0.0068	.75	.45	.375	.53	.40	.31
715P600V0.01	715P10356KD3	0.01	.95	.45	.375	.59	.45	.34
715P600V0.015	715P15356KD3	0.015	.95	.50	.375	.60	.46	.35
715P600V0.022	715P22356KD3	0.022	.95	.55	.375	.62	.47	.36
715P600V0.033	715P33356LD3	0.033	1.30	.55	.719	.77	.59	.45
715P600V0.047	715P47356LD3	0.047	1.30	.60	.719	.77	.59	.45
715P600V0.068	715P68356LD3	0.068	1.30	.65	.719	.94	.72	.55
715P600V0.1	715P10456LD3	0.1	1.30	.75	.719	1.22	.93	.71
715P600V0.15	715P15456MD3	0.15	1.70	.75	1.09	1.47	1.13	.86
715P600V0.22	715P22456MD3	0.22	1.70	.85	1.09	2.03	1.56	1.19

800 VDC / 450 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)			Price Each		
			L	D	S	1	25	100
75-715P800V0.0068	715P68258LD3	0.0068	1.30	.50	.719	.77	.59	.45
75-715P800V0.01	715P10358LD3	0.01	1.30	.50	.719	.77	.59	.45
75-715P800V0.015	715P15358LD3	0.015	1.30	.55	.719	.77	.59	.45
75-715P800V0.022	715P22358LD3	0.022	1.30	.60	.719	.95	.72	.56
75-715P800V0.033	715P33358LD3	0.033	1.30	.70	.719	1.21	.93	.71
75-715P800V0.047	715P47358MD3	0.047	1.70	.70	1.09	1.56	1.20	.92
75-715P800V0.068	715P68358MD3	0.068	1.70	.80	1.09	1.73	1.31	1.00
75-715P800V0.1	715P10458MD3	0.1	1.70	.90	1.09	2.03	1.56	1.19

1200 VDC / 475 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)			Price Each		
			L	D	S	1	25	100
75-715P1200V0.015	715P153512LD3	0.015	1.30	.65	.719	1.22	.93	.71
75-715P1200V0.047	715P473512MD3	0.047	1.70	.85	1.09	2.02	1.55	1.18

1600 VDC / 500 VAC

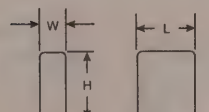
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)			Price Each		
			L	D	S	1	25	100
75-715P1600V0.001	715P102516LD3	0.001	1.30	.50	.719	.77	.59	.45
75-715P1600V0.0022	715P222516LD3	0.0022	1.30	.50	.719	.77	.59	.45
75-715P1600V0.0033	715P332516LD3	0.0033	1.30	.55	.719	.89	.68	.52
75-715P1600V0.0047	715P472515LD3	0.0047	1.30	.60	.719	.89	.68	.52
75-715P1600V0.0068	715P682516LD3	0.0068	1.30	.65	.719	1.00	.76	.58
75-715P1600V0.01	715P103516LD3	0.01	1.30	.70	.719	1.33	1.02	.78
75-715P1600V0.015	715P153516MD3	0.015	1.70	.75	1.09	1.54	1.18	.90
75-715P1600V0.022	715P223516MD3	0.022	1.70	.85	1.09	2.01	1.54	1.18
75-715P1600V0.033	715P333516MD3	0.033	1.70	.95	1.09	2.44	1.87	1.43

WIMA Film Capacitors

MKP2 SERIES RADIAL LEAD METALLIZED POLYPROPYLENE FILM CAPACITORS

For quantities of 1,000 and up, call for quot



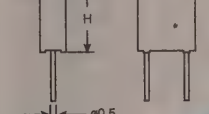
Specifications:
- Temperature Range: - 55° C to + 100° C
- Dielectric: Polypropylene film
- Capacitor Electrodes: Metallized plastic film
- Encapsulation: Flame retardant plastic case, UL 94 V-0

Features:
- For high frequency applications
- Suited for "sample & hold" circuits
- Stable negative TC
- Low ESR

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions (mm) W	H	L	Lead Spacing (mm)	Price Each 1	10	100	500
505-MKP21000/100/5	MKP2 1000/100/5	100/63	0.001	5%	2.5	6.5	7.2	5.0	.35	.30	.25	.20
505-MKP22200/100/5	MKP2 2200/100/5	100/63	0.0022	5%	2.5	6.5	7.2	5.0	.35	.30	.25	.20
505-MKP23300/100/5	MKP2 3300/100/5	100/63	0.0033	5%	2.5	6.5	7.2	5.0	.37	.32	.27	.21
505-MKP24700/100/5	MKP2 4700/100/5	100/63	0.0047	5%	2.5	6.5	7.2	5.0	.39	.33	.28	.22
505-MKP20.01/100/5	MKP2 0.01/100/5	100/63	0.01	5%	2.5	6.5	7.2	5.0	.42	.36	.30	.24
505-MKP20.022/100/5	MKP2 0.022/100/5	100/63	0.022	5%	3	7.5	7.2	5.0	1.02	.87	.73	.58
505-MKP20.033/100/5	MKP2 0.033/100/5	100/63	0.033	5%	3	7.5	7.2	5.0	1.18	1.01	.84	.67
505-MKP20.047/100/5	MKP2 0.047/100/5	100/63	0.047	5%	3.5	8.5	7.2	5.0	.49	.42	.35	.28
505-MKP20.1/100/5	MKP2 0.1/100/5	100/63	0.1	5%	5	10	7.2	5.0	.65	.56	.46	.37
505-MKP20.15/100/5	MKP2 0.15/100/5	100/63	0.15	5%	7.2	13	7.2	5.0	.87	.74	.62	.50
505-MKP20.22/100/5	MKP2 0.22/100/5	100/63	0.22	5%	7.2	13	7.2	5.0	.44	.38	.32	.25
505-MKP20.33/100/5	MKP2 0.33/100/5	100/63	0.33	5%	8.5	14	7.2	5.0	.46	.39	.33	.26
505-MKP21000/250/5	MKP21000/250/5	250/160	0.001	5%	2.5	6.5	7.2	5.0	.35	.30	.25	.20
505-MKP22200/250/5	MKP2 2200/250/5	250/160	0.0022	5%	2.5	6.5	7.2	5.0	.35	.30	.25	.20
505-MKP23300/250/5	MKP2 3300/250/5	250/160	0.0033	5%	2.5	6.5	7.2	5.0	.37	.32	.27	.21
505-MKP26800/250/5	MKP2 6800/250/5	250/160	0.0068	5%	2.5	6.5	7.2	5.0	.40	.34	.29	.23
505-MKP20.01/250/5	MKP2 0.01/250/5	250/160	0.01	5%	2.5	6.5	7.2	5.0	.43	.37	.31	.25
505-MKP20.022/250/5	MKP2 0.022/250/5	250/160	0.022	5%	3	7.5	7.2	5.0	.49	.42	.35	.28
505-MKP20.033/250/5	MKP2 0.033/250/5	250/160	0.033	5%	3	7.5	7.2	5.0	.55	.47	.40	.32
505-MKP20.047/250/5	MKP20.047/250/5	250/160	0.047	5%	3.5	7.5	7.2	5.0	.64	.55	.46	.33
505-MKP20.1/250/5	MKP20.1/250/5	250/160	0.1	5%	5	10	7.2	5.0	.95	.82	.68	.49
505-MKP20.22/250/5	MKP2 0.22/250/5	250/160	0.22	5%	7.2	13	7.2	5.0	1.37	1.18	.98	.78
505-MKP20.33/250/5	MKP2 0.33/250/5	250/160	0.33	5%	8.5	14	7.2	5.0	1.58	1.35	1.13	.90
505-MKP20.01/400/5	MKP20.01/400/5	400/200	0.01	5%	3.5	8.5	7.2	5.0	.46	.39	.33	.24
505-MKP21000/630/10	MKP2 1000/630/10	630/250	0.001	10%	2.5	6.5	7.2	5.0	.35	.30	.25	.18
505-MKP24700/630/5	MKP24700/630/5	630/250	0.0047	5%	3	7.5	7.2	5.0	.41	.35	.30	.21

MKS2 SERIES RADIAL LEAD METALLIZED POLYESTER FILM CAPACITORS

For quantities of 1,000 and up, call for quo



Specifications:
- Temperature Range: - 55° C to + 100° C
- Dielectric: Polyethylene-terephthalate film
- Capacitor Electrodes: Metalized plastic film
- Encapsulation: Flame retardant vacuum-deposited aluminum

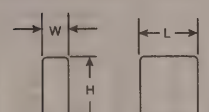
Features:
- Reservoir capacitor with unlimited life at high temperatures
- Ideally suited for wide temperature range applications

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions (mm) W	H	L	Lead Spacing (mm)	Price Each 1	10	100	500
505-MKS2.22/50/10	MKS2-.22/50/10	50/30	0.22	10%	2.5	6.5	7.2	5	.45	.38	.31	.25
505-MKS22.2/50/10	MKS2-2.2/50/10	50/30	2.2	10%	5.5	11.5	7.2	5	3.17	2.66	2.18	1.74
505-MKS2.01/63/10	MKS2-.01/63/10	63/40	0.01	10%	2.5	6.5	7.2	5	.23	.19	.16	.13
505-MKS20.01/63/5	MKS2-.01/63/5	63/40	0.01	5%	2.5	6.5	7.2	5	.25	.21	.17	.14
505-MKS20.022/63/5	MKS2-.022/63/5	63/40	0.022	5%	2.5	6.5	7.2	5	.25	.21	.17	.14
505-MKS20.047/63/10	MKS2-.047/63/10	63/40	0.047	10%	2.5	6.5	7.2	5	.21	.17	.15	.12
505-MKS20.047/63/5	MKS2-.047/63/5	63/40	0.047	5%	2.5	6.5	7.2	5	.25	.21	.17	.14
505-MKS20.068/63/5	MKS2-.068/63/5	63/40	0.068	5%	2.5	6.5	7.2	5	.25	.21	.17	.14
505-MKS2.1/63/10	MKS2-.1/63/10	63/40	0.10	10%	2.5	6.5	7.2	5	.23	.19	.16	.13
505-MKS2.1/63/5	MKS2-.1/63/5	63/40	0.10	5%	2.5	6.5	7.2	5	.25	.21	.17	.14
505-MKS2.15/63/10	MKS2-.15/63/10	63/40	0.15	10%	2.5	6.5	7.2	5	.32	.26	.22	.17
505-MKS20.22/63/10	MKS2-.22/63/10	63/40	0.22	10%	3.0	7.5	7.2	5	.32	.27	.23	.18
505-MKS20.22/63/5	MKS2-.22/63/5	63/40	0.22	5%	3.0	7.5	7.2	5	.38	.32	.26	.21
505-MKS2.33/63/10	MKS2-.33/63/10	63/40	0.33	10%	3.5	8.5	7.2	5	.47	.39	.28	.26
505-MKS2.47/63/10	MKS2-.47/63/10	63/40	0.47	10%	4.5	9.5	7.2	5	.55	.46	.32	.30
505-MKS20.47/63/5	MKS2-.47/63/5	63/40	0.47	5%	4.5	9.5	7.2	5	.58	.48	.40	.32
505-MKS21.0/63/10	MKS2-1/63/10	63/40	1.0	10%	5.0	10	7.2	5	1.05	.88	.72	.58
505-MKS21.0/63/5	MKS2-1.0/63/5	63/40	1.0	5%	5.0	10	7.2	5	1.10	.92	.75	.60
505-MKS21.5/63/5	MKS2-1.5/63/5	63/40	1.5	5%	5.5	11.5	7.2	5	1.96	1.64	1.35	1.08
505-MKS2.01/100/10	MKS2-.01/100/10	100/63	0.01	10%	2.5	6.5	7.2	5	.26	.21	.18	.14
505-MKS2.1/100/10	MKS2-.1/100/10	100/63	0.1	10%	3.0	7.5	7.2	5	.28	.23	.19	.15

MKM2 SERIES RADIAL LEAD METALLIZED MIXED DIELECTRIC FILM CAPACITORS

Specifications:
- Temperature Range: - 55° C to + 100° C
- Dielectric: Mixed film
- Capacitor Electrodes: Vacuum deposited aluminum
- Encapsulation: Flame retardant plastic case, UL 94 V-0

Features:
- Reservoir and decoupling capacitors with low inductance
- Almost linear capacitance/temperature coefficient
- Ideally suited for wide temperature range applications

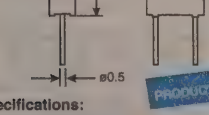


For quantities of 1,000 and up, call for quo

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions (mm) W	H	L	Lead Spacing (mm)	Price Each 1	10	100	500
505-MKM20.022/100/5	MKM2 0.022/100/5	100/63	0.022	5%	3	7.5	7.2	5.0	.27	.23	.20	.16
505-MKM20.033/100/5	MKM2 0.033/100/5	100/63	0.033	5%	3.5	8.5	7.2	5.0	.33	.29	.24	.19
505-MKM20.047/100/5	MKM20.047/100/5	100/63	0.047	5%	4.5	9.5	7.2	5.0	.37	.32	.27	.21
505-MKM20.1/100/5	MKM20.1/100/5	100/63	0.1	5%	5.5	11.5	7.2	5.0	.62	.53	.45	.36
505-MKM20.22/100/5	MKM2 0.22/100/5	100/63	0.22	5%	8.5	14	7.2	5.0	.76	.65	.54	.44
505-MKM21000/250/5	MKM21000/250/5	250/160	0.001	5%	2.5	6.5	7.2	5.0	.22	.19	.16	.13
505-MKM22200/250/5	MKM2 2200/250/5	250/160	0.0022	5%	2.5	6.5	7.2	5.0	.23	.20	.16	.13
505-MKM23300/250/5	MKM2 3300/250/5	250/160	0.0033	5%	2.5	6.5	7.2	5.0	.23	.20	.17	.14
505-MKM24700/250/5	MKM24700/250/5	250/160	0.0047	5%	2.5	6.5	7.2	5.0	.24	.20	.17	.14
505-MKM20.01/250/5	MKM20.01/250/5	250/160	0.01	5%	3	7.5	7.2	5.0	.25	.21	.18	.14

FKP2 SERIES RADIAL LEAD FILM/FOIL POLYPROPYLENE FILM CAPACITORS

For quantities of 1,000 and up, call for quo



Specifications:
- Temperature Range: - 55° C to + 100° C
- Dielectric: Polypropylene film
- Capacitor Electrodes: Metal foil film
- Encapsulation: Flame retardant plastic case, UL 94 V-0

Features:
- Pulse applications with high repetition frequency
- Suited for replacement of polystyrene capacitors in audio and HF applications.

505-FKP24700/63/2.5	FKP2-4700/63/2.5	63/40	0.0047	2.5%	4.5	6	7.2	5	.53	.44	.36	.29
505-FKP20.01/63/5	FKP2-.01/63/5	63/40	0.01	5.0%	5.5	7	7.2	5	.46	.39	.32	.26
505-FKP20.01/63/2.5	FKP2-.01/63/2.5	63/40	0.01	2.5%	5.5	7	7.2	5	.53	.44	.36	.29
505-FKP20.01/63/1	FKP2-.01/63/1	63/40	0.01	1.0%	5.5	7	7.2	5	1.29	1.08	.89	.71
505-FKP20.022/63/2.5	FKP2-.022/63/2.5	63/40	0.022	2.5%	7.2	8.5	7.2	5	.74	.62	.51	.44
505-FKP233/100/10	FKP2-33/100/10	100/63	33pF	10.0%	2.5	6.5	7.5	5	.31	.26	.21	.17
505-FKP247/100/5	FKP2-47/100/5	100/63	47pF	5.0%	2.5	6.5	7.5	5	.37	.27	.22	.18
505-FKP20.01/100/2.5	FKP2-.01/100/2.5	100/63	0.01	2.5%	6.5	8	7.2	5	.63	.53	.43	.35
505-FKP2100/100/5	FKP2-100/100/5	100/63	100pF	5.0%	4.5	6	7.2	5	.32	.27	.22	.18
505-FKP2150/100/2.5	FKP2-150/100/2.5	100/63	150pF	2.5%	4.5	6	7.2	5	.38	.31	.26	.21
505-FKP2220/100/2.5	FKP2-220/100/2.5	100/63	220pF	2.5%	4.5	6	7.2	5	.38	.31	.26	.21
505-FKP2330/100/5	FKP2-330/100/5	100/63	330pF	5.0%	4.5	6	7.2	5	.33	.28	.23	.18
505-FKP2470/100/2.5	FKP2-470/100/2.5	100/63	470pF	2.5%	4.5	6	7.2	5	.38	.31	.26	.21
505-FKP2680/100/2.5	FKP2-680/100/2.5	100/63	680pF	2.5%	4.5	6	7.2	5	.38	.32	.26	.21
505-FKP21000/100/5	FKP2-1000/100/5	100/63	0.001	5.0%	4.5	6	7.2	5	.34	.28	.23	.18
505-FKP21000/100/2.5	FKP2-1000/100/2.5	100/63	0.001	2.5%	4.5	6	7.2	5	.39	.32	.27	.21
505-FKP21500/100/2.5	FKP2-1500/100/2.5	100/63	0.0015	2.5%	4.5	6	7.2	5	.36	.30	.26	.20
505-FKP22200/100/2.5	FKP2-2200/100/2.5	100/63	0.0022	2.5%	4.5	6	7.2	5	.40	.34	.28	.22
505-FKP24700/100/2.5	FKP2-4700/100/2.5	100/63	0.0047	2.5%	5.5	7	7.2	5	.52	.44	.36	.29

KP10 SERIES RADIAL LEAD METALLIZED POLYPROPYLENE FILM CAPACITORS

NEW PRODUCT

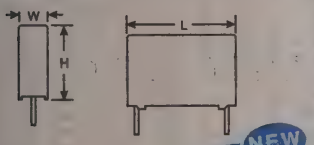
Specifications:
Temperature Range: - 55° C to + 100° C
Dielectric: Polypropylene film
Capacitor Electrodes: Double sided metallized plastic film
Encapsulation: Flame retardant plastic case, UL 94 V-0

Features:
For SMPS, loudspeakers, lighting, monitors, and televisions
Self-healing pulse duty construction

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions (mm) W	H	L	Lead Spacing (mm)	Price Each 1	10	100	500
505-M100.1/160/5	MKP10-.1/160/5	160/100	0.1	5%	6	12.5	13	10	.74	.63	.53	.42
505-M101.0/160/5	MKP10-1.0/160/5	160/100	1.0	5%	10.5	19	26.5	22.5	2.76	2.36	1.97	1.58
505-M10.1/250/10	MKP10-.1/250/10	250/180	0.1	10%	5	11	18	15	.81	.68	.56	.44
505-M10.1/250/5	MKP10-.1/250/5	250/180	0.1	5%	5	11	18	15	.81	.71	.58	.46
505-M10.22/250/10	MKP10-.22/250/10	250/180	0.22	10%	7	14	18	15	1.11	.93	.76	.61
505-M10.047/400/10	MKP10-.047/400/10	400/250	0.047	10%	5	11	18	15	.81	.68	.56	.44
505-M10.1/400/10	MKP10-.1/400/10	400/250	0.1	10%	7	14	18	15	.95	.80	.65	.52
505-M10.22/400/20	MKP10-.22/400/20	400/250	0.22	20%	7	16.5	26.5	22.5	1.62	1.36	1.12	.89
505-M101/400/10	MKP10-1/400/10	400/250	1.0	10%	13	24	31.5	27.5	5.17	4.33	3.56	2.84
505-M10.01/630/10	MKP10-.01/630/10	630/400	0.01	10%	4	9	13	10	.62	.52	.43	.34
505-M10.22/630/5	MKP10-.22/630/5	630/400	0.22	5%	10.5	19	26.5	22.5	3.48	2.91	2.39	1.91
505-M10.68/630/10	MKP10-.68/630/10	630/400	0.68	10%	15	26	31.5	27.5	7.54	6.31	5.18	4.14
505-M101000/1000/5	MKP10-1000/1000/5	1000/600	0.001	5%	4	9	13	10	.50	.43	.36	.29
505-M10.022/1000/20	MKP10-.022/1000/20	1000/600	0.022	20%	6	12.5	18	15	1.11	.93	.76	.61
505-M100.047/1000/5	MKP10-.047/1000/5	1000/600	0.047	5%	8	15	18	15	1.38	1.19	.99	.79
505-M10.33/1000/10	MKP10-.33/1KV/10	1000/600	0.33	10%	15	26	31.5	27.5	6.22	5.21	4.27	3.42
505-M101000/2000/10	MKP10-1000/2000/10	2000/700	0.001	10%	4	9	13	10	.58	.50	.41	.33
505-M100.01/2000/5	MKP10-.01/2000/5	2000/700	0.01	5%	7	14	18	15	1.31	1.12	.93	.75
505-M10.33/2000/10	MKP10-.33/2000/10	2000/700	0.33	10%	19	32	41.5	37.5	10.80	9.05	7.43	5.94

KP1 SERIES RADIAL LEAD FILM/FOIL POLYPROPYLENE CAPACITORS



NEW PRODUCT

Specifications:
Dielectric: Polypropylene film
Temperature Range: - 55° C to + 100° C
Capacitor Electrodes: Aluminum foil and double sided metallized plastic film
Encapsulation: Flame retardant plastic case, UL 94 V-0

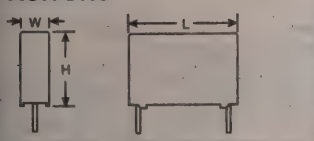
Features:
With metal foil electrode, internally series-connected for very high current ratings.

Applications:
Clamping and commutation capacitors in switch mode power supplies, static frequency changes in drive and power electronics, deflection systems in monitors and televisions.

For quantities of 1,000 and up, call for quote.

505-FKP10.01/400/5	FKP1-.01/400/5	400/250	0.01	5%	5	11	18	15	.74	.63	.53	.42
505-FKP1.047/400/5	FKP1-.047/400/5	400/250	0.047	5%	7	16.5	26.5	22.5	1.62	1.35	1.11	.89
505-FKP10.1/400/5	FKP1-.1/400/5P22.5	400/250	0.1	5%	10.5	20.5	26.5	22.5	2.29	1.96	1.63	1.31
505-FKP1.22/400/5	FKP1-.22/400/5	400/250	0.22	5%	13	24	31.5	27.5	3.92	3.29	2.70	2.16
505-FKP14700/630/5	FKP1-4700/630/5	630/400	0.0047	5%	5	11	18	15	.70	.60	.50	.40
505-FKP1.022/630/5	FKP1-.022/630/5	630/400	0.022	5%	7	16.5	26.5	22.5	1.57	1.31	1.08	.86
505-FKP10.22/630/5	FKP1-.22/630/5	630/400	0.22	5%	15	26	41.5	37.5	5.11	4.38	3.65	2.92
505-FKP13300/1000/20	FKP1-3300/1000/20	1000/600	0.0033	20%	5	11	18	15	.68	.58	.49	.38
505-FKP16800/1000/5	FKP1-6800/10005	1000/600	0.0068	5%	7	14	18	15	1.09	.91	.75	.60
505-FKP1.047/1000/5	FKP1-.047/1000/5	1000/600	0.047	5%	11	21	31.5	27.5	2.47	2.07	1.70	1.36
505-FKP11000/1250/5	FKP1-1000/1250/5	1250/600	0.001	5%	5	11	18	15	.69	.59	.50	.40
505-FKP12200/1250/10	FKP1-2200/1250/10	1250/600	0.0022	10%	5	11	18	15	.78	.65	.53	.43
505-FKP1.01/1250/5	FKP1-.01/1250/5	1250/600	0.01	5%	7	16.5	26.5	15	1.40	1.18	.97	.77
505-FKP1.033/1250/5P	FKP1-.033/1250/5P27	1250/600	0.033	5%	11	21	31.5	27.5	2.38	1.99	1.63	1.31
505-FKP10.047/1250/5	FKP1-.047/1250/5P27.5	1250/600	0.047	5%	13	24	31.5	27.5	2.59	2.22	1.85	1.48
505-FKP1.068/1250/10	FKP1-.068/1250/10	1250/600	0.068	10%	11	22	41.5	37.5	3.81	3.19	2.62	2.10
505-FKP1.22/1250/5	FKP1-.22/1250/5	1250/600	0.22	5%	19	32	41.5	37.5	7.47	6.25	5.13	4.11
505-FKP1150/1600/5	FKP1-150/1600/5	1600/650	150pF	5%	5	11	18	15	.86	.72	.59	.47
505-FKP1220/1600/5	FKP1-220/1600/5	1600/650	220pF	5%	5	11	18	15	.90	.76	.62	.50
505-FKP1330/1600/5	FKP1-330/1600/5	1600/650	330pF	5%	5	11	18	15	.90	.76	.62	.50
505-FKP1470/1600/5	FKP1-470/1600/5	1600/650	470pF	5%	5	11	18	15	.91	.76	.62	.50
505-FKP1680/1600/5	FKP1-680/1600/5	1600/650	680pF	5%	5	11	18	15	.95	.79	.65	.52
505-FKP1.022/1600/5	FKP1-.022/1600/5	1600/650	0.022	5%	11	21	31.5	27.5	3.04	2.55	2.09	1.67
505-FKP1.033/1600/5P	FKP1-.033/1600/5P27	1600/650	0.033	5%	13	24	31.5	27.5	3.26	2.73	2.24	1.80
505-FKP1100/2000/5	FKP1100/2000/5	2000/700	100pF	5%	5	11	18	15	.76	.65	.54	.43
505-FKP14700/2000/5	FKP1-4700/2000/5	2000/700	0.0047	5%	8.5	18.5	26.5	22.5	1.62	1.39	1.16	.93
505-FKP1470/6000/5	FKP1-470/6000/5	6000/700	470pF	5%	5	14	26.5	22.5	1.23	1.05	.88	.70
505-FKP10.022/6000/5	FKP1-.022/6000/5	6000/700	0.022	5%	17	29	41.5	37.5	5.32	4.56	3.80	3.04

KM4 SERIES RADIAL LEAD METALLIZED MIXED DIELECTRIC FILM CAPACITORS



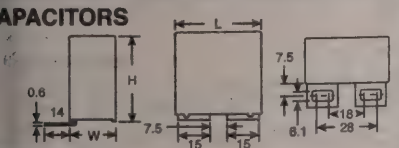
Specifications:
- Temperature Range: - 55° C to + 100° C
- Insulation Resistance: @ + 20° C: ≥ 3 x 104 MΩ
- Capacitor Electrodes: Vacuum deposited aluminum
- Encapsulation: Flame retardant plastic case, UL 94 V-0
- Dielectric: Mixed film

Features:
- Almost linear capacitance/temperature coefficient
- Ideally suited for wide temperature range applications

For quantities of 1,000 and up, call for quote.

505-MKM40.047/250/5	MKM40.047/250/5	250/160	0.047	5%	4	9	13	10	.41	.35	.29	.24
505-MKM40.1/250/5	MKM40.1/250/5	250/160	0.1	5%	5	11	13	10	.50	.43	.36	.29
505-MKM40.22/250/5	MKM40.22/250/5	250/160	0.22	5%	5	11	18	15	.63	.54	.45	.36
505-MKM40.33/250/5	MKM40.33/250/5	250/160	0.33	5%	6	12.5	18	15	.76	.65	.54	.44
505-MKM40.47/250/5	MKM40.47/250/5	250/160	0.47	5%	7	14	18	15	.90	.77	.64	.52
505-MKM41.0/250/5	MKM41.0/250/5	250/160	1	5%	7	16.5	26.5	22.5	1.66	1.42	1.19	.96
505-MKM41.5/250/5	MKM41.5/250/5	250/160	1.5	5%	10.5	19	26.5	22.5	2.31	1.98	1.65	1.33
505-MKM42.2/250/5	MKM42.2/250/5	250/160	2.2	5%	11	21	26.5	22.5	2.82	2.42	2.02	1.63
505-MKM43.3/250/5	MKM43.3/250/5	250/160	3.3	5%	13	24	31.5	27.5	4.11	3.53	2.94	2.38
505-MKM44.7/250/5	MKM44.7/250/5	250/160	4.7	5%	15	26	31.5	27.5	5.26	4.51	3.76	3.04

KP SERIES FILM/FOIL POLYPROPYLENE IGBT SNUBBER CAPACITORS



Specifications:
Temperature Range: - 55° C to + 100° C
Dielectric: Polypropylene film
Capacitor Electrodes: Aluminum foil and metallized plastic film
Encapsulation: Flame retardant plastic case, UL 94 V-0

Features:
- Low inductive construction achieved with end-surface contacts
- Internally series connected
- Self-healing construction

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions (mm) W	H	L	Price Each 1	10	100
505-SF0.47/630/5A1	FKP0.47/630/5A1	630/400	0.47	5%	17	29	41.5	22.31	19.12	15.93
505-SF2.2/630/5A1	FKP2.2/630/5A1	630/400	2.2	5%	27	37.5	56	38.56	33.05	27.55
505-SF0.1/1000/5A1	FKP0.1/1000/5A1	1000/600	0.1	5%	11	22	41.5	19.39	16.62	13.85
505-SF1.0/1000/5A1	FKP1.0/1000/5A1	1000/600	1.0	5%	27	37.5	56	34.55	29.61	24.68
505-SF0.047/1600/5A1	FKP0.047/1600/5A1	1600/650	0.047	5%	11	22	41.5	19.87	17.03	14.19
505-SF0.1/1600/5A1	FKP0.1/1600/5A1	1600/650	0.1	5%	17	29	41.5	21.06	18.05	15.05
505-SF0.47/1600/5A1	FKP0.47/1600/5A1	1600/650	0.47	5%	27	37.5	56	32.79	28.11	23.42
505-SF0.022/2000/5A1	FKP0.022/2000/5A1	2000/700	0.022	5%	11	21	31.5	18.89	16.19	13.49
505-SF0.1/2000/5A1	FKP0.1/2000/5A1	2000/700	0.1	5%	17	29	41.5	21.94	18.80	15.67
505-SF0.47/2000/5A1	FKP0.47/2000/5A1	2000/700	0.47	5%	27	37.5	56	34.11	29.24	24.37

KP SERIES METALLIZED POLYPROPYLENE IGBT SNUBBER CAPACITORS

Specifications:
Temperature Range: - 55° C to + 100° C
Dielectric: Polypropylene film
Capacitor Electrodes: Double-sided metallized plastic film
Encapsulation: Flame retardant plastic case, UL 94 V-0

Features:
- Low inductive construction achieved with end-surface contacts
- Double-sided metallization for high pulse ratings
- Internally series connected
- Self-healing construction

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions (mm) W	H	L	Price Each 1	10	100
505-SM1.0/630/5A1	MKP1.0/630/5A1L31.5	630/400	1.0	5%	17	29	31.5	21.84	18.72	15.60
505-SM2.2/630/5A1	MKP2.2/630/5A1L41.5	630/400	2.2	5%	20	39.5	41.5	27.21	23.32	19.43
505-SM0.47/1000/5A1	MKP0.47/1000/5A1I31.5	1000/600	0.47	5%	17	29	31.5	20.97	17.97	14.98
505-SM2.2/1000/5A1	MKP2.2/1000/5A1L41.5	1000/600	2.2	5%	31	46	41.5	31.98	27.41	22.84
505-SM0.47/1600/5A1	MKP.47/1600/5A1L41.5	1600/650	0.47	5%	19	32	41.5	21.75	18.92	15.77
505-SM1.0/1600/5A1	MKP1.0/1600/5A1L41.5	1600/650	1.0	5%	24	45.5	41.5	26.65	22.84	19.04
505-SM2.2/1600/5A1	MKP2.2/1600/5A1	1600/650	2.2	5%	33	48	56	38.60	33.09	27.57
505-SM0.1/2000/5A1	MKP0.1/2000/5A1	2000/700	0.1	5%	13	24	31.5	19.09	16.61	13.84
505-SM0.22/2000/5A1	MKP0.22/2000/5A1I31.5	2000/700	0.22	5%	17	34.5	31.5	21.04	18.03	15.03
505-SM1.0/2000/5A1	MKP1.0/2000/5A1I31.5	2000/700	1.0	5%	33	48	56	35.95	30.82	25.68

XICON Polyester Film Capacitors

POLYESTER

Specifications:

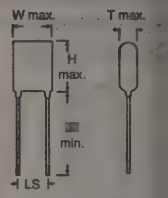
- Rating temperature: -40°C to +85°C
- Withstanding volts: 250% rated voltage (5 sec.)
- Insulation resistance: not >30GΩ @ 1kHz, 20°C
- Dielectric dissipation factor: max. 1.0% @ 1 kHz, 25°C
- Coating: conformally coated with flame retardant epoxy resin

Part Number Guide Chart:

140	PF	2A	102	K
Prefix	Series	VDC	Value	Tol.

Value and lead spacing for 1H-50 and 2A-100 Volt:

Value (μF)	LS (mm) ±1	Value (μF)	LS (mm) ±1
.001-.012	3.5	.068-.12	7.5
.015-.03	4.0	.15-.27	9.0
.033-.056	5.0	.33-.68	10.0



DIMENSIONS (mm)

Value and lead spacing for 2D-200 and 2G-400 Volt:

Value (μF)	LS (mm) ±1
.001-.0047	3.5
.01-.022	5.0
.047-.05	7.5
.1	10.0
.12-.22	12.5

1H-50 VDC ±10%

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) W	H	T	Price Each 1	100	500
140-PF1H102K	.001	6.0	10.5	3.0	.10	.052	.047
140-PF1H502K	.005	6.0	10.5	3.0	.10	.052	.047
140-PF1H103K	.01	6.5	12	3.5	.11	.057	.052
140-PF1H153K	.015	7.0	12	3.5	.11	.057	.052
140-PF1H203K	.02	7.0	12	4.0	.14	.067	.061
140-PF1H303K	.03	7.5	12	4.0	.15	.073	.066
140-PF1H473K	.047	8.5	13	5.0	.17	.085	.077
140-PF1H503K	.05	8.5	13	5.0	.17	.085	.077
140-PF1H104K	.1	11	14	6.0	.24	.12	.11
140-PF1H204K	.20	12.5	17	7.0	.36	.18	.15
140-PF1H224K	.22	13	17	7.5	.36	.18	.15
140-PF1H334K	.33	14.5	21	8.5	.38	.24	.22
140-PF1H474K	.47	16	22	9.0	.43	.27	.25

2A-100 VDC ±2%

For quantities of 1000 and up, call for quote.

140-PF2A102F	.001	6.0	10.5	3.0	.51	.41	.36
140-PF2A122F	.0012	6.0	10.5	3.0	.51	.41	.36
140-PF2A152F	.0015	6.0	10.5	3.0	.51	.41	.36
140-PF2A182F	.0018	6.0	10.5	3.0	.51	.41	.36
140-PF2A202F	.002	6.0	10.5	3.0	.51	.41	.36
140-PF2A222F	.0022	6.0	10.5	3.0	.51	.41	.36
140-PF2A272F	.0027	6.0	10.5	3.0	.51	.41	.36
140-PF2A302F	.003	6.0	10.5	3.0	.51	.41	.36
140-PF2A332F	.0033	6.0	10.5	3.0	.51	.41	.36
140-PF2A392F	.0039	6.0	10.5	3.0	.51	.41	.36
140-PF2A502F	.005	6.0	10.5	3.0	.51	.41	.36
140-PF2A562F	.0056	6.0	10.5	3.0	.51	.41	.36
140-PF2A682F	.0068	6.0	10.5	3.5	.51	.41	.36
140-PF2A822F	.0082	6.5	10.5	3.5	.51	.41	.36
140-PF2A103F	.01	6.5	12	3.5	.51	.41	.36
140-PF2A123F	.012	6.5	12	3.5	.51	.41	.36
140-PF2A153F	.015	7.0	12	3.5	.51	.41	.36
140-PF2A183F	.018	7.0	12	4.0	.51	.41	.36
140-PF2A203F	.02	7.0	12	4.0	.54	.43	.37
140-PF2A223F	.022	7.5	12	4.0	.54	.43	.37
140-PF2A273F	.027	7.5	12	4.0	.54	.43	.37
140-PF2A303F	.03	7.5	12	4.0	.65	.52	.45
140-PF2A333F	.033	8.0	12	5.0	.65	.52	.45
140-PF2A393F	.039	8.0	13	5.0	.68	.54	.47
140-PF2A473F	.047	8.5	13	5.0	.70	.56	.49
140-PF2A503F	.05	8.5	13	5.0	.76	.61	.53
140-PF2A563F	.056	9.0	13	5.0	.76	.61	.53
140-PF2A683F	.068	9.5	13	5.0	.88	.70	.61
140-PF2A823F	.082	10	13	6.0	.96	.77	.67
140-PF2A104F	.1	11	14	6.0	.99	.87	.76

2A-100 VDC ±3%

For quantities of 1000 and up, call for quote.

140-PF2A102G	.001	6.0	10.5	3.0	.48	.38	.33
140-PF2A122G	.0012	6.0	10.5	3.0	.48	.38	.33
140-PF2A152G	.0015	6.0	10.5	3.0	.48	.38	.33
140-PF2A222G	.0022	6.0	10.5	3.0	.48	.38	.33
140-PF2A302G	.003	6.0	10.5	3.0	.48	.38	.33
140-PF2A332G	.0033	6.0	10.5	3.0	.48	.38	.33
140-PF2A392G	.0039	6.0	10.5	3.0	.48	.38	.33
140-PF2A472G	.0047	6.0	10.5	3.0	.48	.38	.33
140-PF2A502G	.0050	6.0	10.5	3.0	.48	.38	.33
140-PF2A562G	.0056	6.0	10.5	3.0	.48	.38	.33
140-PF2A682G	.0068	6.0	10.5	3.5	.48	.38	.33
140-PF2A822G	.0082	6.0	10.5	3.5	.48	.38	.33
140-PF2A103G	.01	6.5	12.0	3.5	.48	.38	.33
140-PF2A123G	.012	6.5	12.0	3.5	.48	.38	.33
140-PF2A183G	.018	7.0	12.0	4.0	.48	.38	.33
140-PF2A203G	.02	7.5	12.0	4.0	.50	.40	.35
140-PF2A223G	.022	7.5	12.0	4.0	.50	.40	.35
140-PF2A273G	.027	7.5	12.0	4.0	.50	.40	.35
140-PF2A303G	.03	7.5	12.0	4.0	.61	.49	.42
140-PF2A333G	.033	8.0	12.0	5.0	.61	.49	.42
140-PF2A393G	.039	8.0	13.0	5.0	.63	.49	.43
140-PF2A473G	.047	8.5	13.0	5.0	.68	.54	.47
140-PF2A503G	.05	8.5	13.0	5.0	.68	.54	.47
140-PF2A563G	.056	9.0	13.0	5.0	.68	.54	.47
140-PF2A683G	.068	9.5	13.0	5.0	.80	.64	.56
140-PF2A823G	.082	10.0	13.0	6.0	.93	.73	.63
140-PF2A104G	.1	11	14.0	6.0	.93	.81	.70

2A-100 VDC ±5%

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) W	H	T	Price Each 1	100	500
140-PF2A102J	.001	6.0	10.5	3.0	.12	.07	.061
140-PF2A122J	.0012	6.0	10.5	3.0	.12	.07	.061
140-PF2A152J	.0015	6.0	10.5	3.0	.12	.07	.061
140-PF2A182J	.0018	6.0	10.5	3.0	.12	.07	.061
140-PF2A202J	.002	6.0	10.5	3.0	.12	.07	.061
140-PF2A222J	.0022	6.0	10.5	3.0	.12	.07	.061
140-PF2A272J	.0027	6.0	10.5	3.0	.12	.07	.061
140-PF2A302J	.003	6.0	10.5	3.0	.12	.07	.061
140-PF2A332J	.0033	6.0	10.5	3.0	.12	.07	.061
140-PF2A392J	.0039	6.0	10.5	3.0	.12	.07	.061
140-PF2A472J	.0047	6.0	10.5	3.0	.12	.07	.061
140-PF2A502J	.005	6.0	10.5	3.0	.12	.07	.061
140-PF2A562J	.0056	6.0	10.5	3.0	.12	.07	.061
140-PF2A682J	.0068	6.0	10.5	3.5	.12	.07	.061
140-PF2A822J	.0082	6.5	10.5	3.5	.12	.07	.061
140-PF2A103J	.01	6.5	12	3.5	.14	.08	.063
140-PF2A123J	.012	6.5	12	3.5	.14	.08	.063
140-PF2A153J	.015	7.0	12	3.5	.14	.08	.063
140-PF2A183J	.018	7.0	12	4.0	.14	.08	.063
140-PF2A203J	.02	7.0	12	4.0	.19	.10	.088
140-PF2A223J	.022	7.5	12	4.0	.19	.10	.088
140-PF2A273J	.027	7.5	12	4.0	.19	.10	.088
140-PF2A303J	.03	7.5	12	4.0	.20	.12	.092
140-PF2A333J	.033	8.0	12	5.0	.20	.12	.092
140-PF2A393J	.039	8.0	13	5.0	.20	.12	.092
140-PF2A473J	.047	8.5	13	5.0	.21	.13	.099
140-PF2A503J	.05	8.5	13	5.0	.21	.13	.099
140-PF2A563J	.056	9.0	13	5.0	.21	.13	.099
140-PF2A683J	.068	9.5	13	5.0	.22	.14	.11
140-PF2A823J	.082	10	13	6.0	.22	.14	.13
140-PF2A104J	.1	11	14	6.0	.22	.16	.14
140-PF2A124J	.12	11	14	6.5	.22	.16	.14
140-PF2A154J	.15	12	17	7.0	.27	.18	.17
140-PF2A184J	.18	12.5	17	7.0	.29	.20	.18
140-PF2A224J	.22	13	17	7.5	.34	.25	.22
140-PF2A274J	.27	14.5	18	8.0	.37	.26	.22
140-PF2A334J	.33	14.5	21	8.5	.42	.28	.25
140-PF2A394J	.39	15	21	9.0	.47	.32	.29
140-PF2A474J	.47	16	22	9.0	.59	.42	.37

2A-100 VDC ±10%

For quantities of 1000 and up, call for quote.

140-PF2A102K	.001	6.0	10.5	3.0	.10	.06	.049
140-PF2A122K	.0012	6.0	10.5	3.0	.10	.06	.049
140-PF2A152K	.0015	6.0	10.5	3.0	.10	.06	.049
140-PF2A182K	.0018	6.0	10.5	3.0	.10	.06	.049
140-PF2A202K	.002	6.0	10.5	3.0	.10	.06	.049
140-PF2A222K	.0022	6.0	10.5	3.0	.10	.06	.049
140-PF2A272K	.0027	6.0	10.5	3.0	.10	.06	.049
140-PF2A302K	.003	6.0	10.5	3.0	.10	.06	.049
140-PF2A392K	.0039	6.0	10.5	3.0	.10	.06	.049
140-PF2A472K	.0047	6.0	10.5	3.0	.11	.06	.051
140-PF2A502K	.005	6.0	10.5	3.0	.11	.06	.051
140-PF2A562K	.0056	6.0	10.5	3.0	.10	.06	.049
140-PF2A682K	.0068	6.0	10.5	3.5	.10	.06	.049
140-PF2A822K	.0082	6.5	10.5	3.5	.10	.06	.049
140-PF2A103K	.01	6.5	12.0	3.5	.12	.07	.054
140-PF2A123K	.012	6.5	12.0	3.5	.12	.07	.061
140-PF2A153K	.015	7.0	12.0	3.5	.14	.07	.061
140-PF2A183K	.018	.70	12.0	4.0	.13	.07	.061
140-PF2A203K	.02	7.0	12.0	4.0	.14	.08	.066
140-PF2A223K	.022	7.5	12.0	4.0	.14	.08	.066
140-PF2A273K	.027	7.5	12.0	4.0	.14	.08	.066
140-PF2A303K	.03	7.5	12.0	4.0	.16	.09	.07
140-PF2A333K	.033	8.0	12.0	5.0	.16	.09	.07
140-PF2A393K	.039	8.0	13.0	5.0	.16	.09	.07
140-PF2A473K	.047	8.5	13.0	5.0	.17	.10	.08
140-PF2A503K	.05	8.5	13.0	5.0	.17	.10	.08
140-PF2A563K	.056	9.0	13.0	5.0	.17	.10	.08
140-PF2A683K	.068	9.5	13.0	5.0	.20	.11	.087
140-PF2A104K	.1	11	14.0	6.0	.21	.14	.09
140-PF2A124K	.12	11	14.0	6.5	.21	.14	.09
140-PF2A154K	.15	12	17.0	7.0	.26	.16	.13
140-PF2A184K	.18	12.5	17.0	7.0	.28	.17	.13
140-PF2A204K	.20	12.5	17.0	7.0	.32	.18	.14
140-PF2A224K	.22	13	17.0	7.5	.32	.20	.15
140-PF2A274K	.27	14.5	18.0	8.0	.35	.19	.15
140-PF2A334K	.33	14.5	21.0	8.5	.39	.25	.22
140-PF2A394K	.39	15	21.0	9.0	.44	.30	.24
140-PF2A474K	.47	16	22.0	9.0	.73	.35	.32
140-PF2A504K	.5	16	22.0	9.0	.73	.35	.32
140-PF2A684K	.68	16.5	23.0	11.5	.73	.35	.32

2D-200 VDC ±10%

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) W	H	T	Price Each 1	100	500
140-PF2D102K	.001	6.0	12	3.5	.17	.078	.06
140-PF2D222K	.0022	6.0	12	3.5	.17	.078	.06
140-PF2D472K	.0047	6.5	12	3.5	.17	.078	.06
140-PF2D103K	.01	8.5	13	4.5	.17	.086	.07
140-PF2D153K	.015	9	13	6	.17	.086	.07
140-PF2D223K	.022	10	13.5	6	.19	.089	.071
140-PF2D473K	.047	14	15.5	7	.21	.089	.082
140-PF2D503K	.05	14	15.5	7	.24	.12	.11
140-PF2D104K	.1	17	20	9	.32	.19	.15
140-PF2D154K	.15	18	21	9.5	.37	.23	.17
140-PF2D224K	.22	19	21	11	.51	.32	.23

2G-400 VDC ±10%

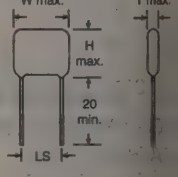
For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) W	H	T	Price Each 1	100	500
140-PF2G102K	.001	6.0	12	3.5	.17	.10	.08
140-PF2G222K	.0022	6.0	12	3.5	.17	.10	.08
140-PF2G472K	.0047	7	13	4	.18	.10	.08
140-PF2G103K	.01	9	13	5	.18	.11	.09
140-PF2G203K	.02	12	13.5	7	.21	.11	.09
140-PF2G223K	.022	12	13.5	7	.21	.11	.09
140-PF2G503K	.05	16	18	9	.35	.17	.15
140-PF2G104K	.1	18	20	10	.42	.27	.21

SUB-MINIATURE

Specifications:

- Temp. stability: +5% to -2% capacitance change @+85°C
  0% to -5% capacitance change @-40°C
- Dissipation factor: 1% max. (1kHz)



DIMENSIONS (mm)

Value (μF)	LS (mm) ±1
.001-.033	3.5
.047-.1	5.0
.22	7.5
.47	6.4

Part Number Guide Chart:

140	PM	2A	102	K
Prefix	Series	VDC	Value	Tol.

2A-100 VDC ±10%

For quantities of 1000 and up, call for quote.

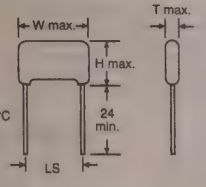
MOUSER STOCK NO.	Value (μF)	Dimensions (mm) W	H	T	Price Each 1	100	500
140-PM2A102K	.001	5.5	7.5	3.0	.12	.07	.055
140-PM2A202K	.002	5.5	7.5	3.0	.12	.07	.055
140-PM2A222K	.0022	5.5	7.5	3.0	.12	.07	.055
140-PM2A332K	.0033	6.0	7.5	3.0	.12	.07	.055
140-PM2A472K	.0047	6.0	7.5	3.0	.12	.07	.055
140-PM2A502K	.005	6.0	7.5	3.0	.12	.07	.055
140-PM2A103K	.01	6.0	7.5	3.0	.13	.08	.066
140-PM2A203K	.02	6.5	9.0	3.5	.14	.09	.073
140-PM2A223K	.022	6.5	9.0	3.5	.14	.09	.073
140-PM2A333K	.033	6.5	9.0	4.0	.15	.10	.078
140-PM2A473K	.047	7.5	9.5	4.0	.17	.11	.092
140-PM2A503K	.05	7.5	9.5	4.5	.20	.12	.10
140-PM2A104K	.1	8.5	11.5	6.0	.26	.16	.13
140-PM2A224K	.22	11.5	13	7.0	.36	.22	.19
140-PM2A474K	.47	13	15.5	8.0	.63	.39	.35

CON Non-Inductive & Metallized Polyester Film Capacitors

METALLIZED

nductive construction
ealing characteristics
stability
nt capacitance to
e packaging
ctive conformal epoxy coating

fications:
ating temperature: -40°C to +85°C
o voltage derating
pation factor: 1% max.
Hz, 20°C
ctric strength: 150% of working
ge for 1 minute



DIMENSIONS (mm)

DC ± 10% Tolerance

For quantities 500 and up, call for quote.

OUSER CK NO.	Value (μF)	Dimensions (mm) W	H	T	LS	Price Each 1	100	500
50V.01K	.01	12.5	9.0	5.0	10	.26	.21	.18
50V.012K	.012	12.5	9.0	5.0	10	.26	.21	.18
50V.015K	.015	12.5	9.0	5.0	10	.26	.21	.18
50V.022K	.022	12.5	9.0	5.0	10	.26	.21	.18
50V.027K	.027	12.5	9.0	5.0	10	.26	.21	.18
50V.033K	.033	12.5	9.0	5.0	10	.26	.21	.18
50V.039K	.039	12.5	9.0	5.0	10	.26	.21	.18
50V.047K	.047	12.5	9.0	5.0	10	.26	.21	.18
50V.056K	.056	12.5	9.0	5.0	10	.26	.21	.18
50V.068K	.068	12.6	9.0	5.0	10	.26	.21	.18
50V.082K	.082	12.5	9.0	5.0	10	.26	.21	.18
50V.1K	.1	12.5	9.0	5.0	10	.27	.21	.19
50V.12K	.12	12.5	9.5	5.5	10	.29	.24	.21
50V.15K	.15	12.5	10	6.0	10	.31	.25	.22
50V.18K	.18	18	10	5.5	15	.34	.27	.24
50V.22K	.22	18	11	6.0	15	.36	.29	.25
50V.27K	.27	18	12	6.5	15	.39	.31	.28
50V.33K	.33	18	13	7.0	15	.41	.33	.28
50V.39K	.39	18	14	7.5	15	.44	.35	.31
50V.47K	.47	22	11	5.0	20	.47	.37	.33
50V.56K	.56	23	13	7.0	20	.51	.41	.35
50V.68K	.68	23	14	7.5	20	.53	.42	.37
50V.82K	.82	23	15	8.0	20	.56	.45	.40
50V1.0K	1.0	23	16	9.0	20	.64	.57	.51
50V1.2K	1.2	23	17	10	20	.76	.72	.65
50V1.5K	1.5	31	17	9.0	27	.86	.82	.76
50V1.8K	1.8	31	18	9.5	27	.98	.94	.87
50V2.2K	2.2	31	19	10	27	1.09	1.04	.91
50V2.7K	2.7	31	20.5	11.5	27	1.35	1.30	1.22
50V3.3K	3.3	31	22	13.5	27	1.62	1.59	1.52
50V3.9K	3.9	31	23	15	27	1.91	1.88	1.80
50V4.7K	4.7	31	24	16	27	2.06	2.01	1.88

/DC ±10% Tolerance

For quantities 500 and up, call for quote.

OUSER CK NO.	Value (μF)	Dimensions (mm) W	H	T	LS	Price Each 1	100	500
00V.01K	.01	12.5	9.0	5.0	10	.35	.30	.24
00V.015K	.015	12.5	9.0	5.0	10	.36	.30	.25
00V.022K	.022	12.5	9.0	5.0	10	.37	.31	.25
00V.033K	.033	12.5	9.5	5.5	10	.38	.32	.27
00V.047K	.047	12.5	11	6.5	10	.39	.33	.27
00V.068K	.068	18	10	5.5	15	.44	.37	.30
00V.1K	.1	18	11	6.0	15	.49	.41	.34
00V.15K	.15	18	13	7.0	15	.53	.44	.35
00V.22K	.22	18	15	8.5	15	.61	.51	.41
00V.33K	.33	23	16	9.0	20	.73	.61	.49
00V.47K	.47	23	18	11	20	.97	.81	.65
00V2.2K	2.2	31	27	18	27	2.80	2.33	1.83

/DC ±10% Tolerance

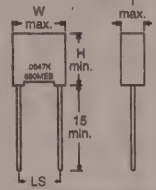
For quantities 500 and up, call for quote.

OUSER CK NO.	Value (μF)	Dimensions (mm) W	H	T	LS	Price Each 1	100	500
30V.01K	.01	12.5	9.5	5.5	10	.37	.31	.25
30V.015K	.015	12.5	10	5.5	10	.39	.33	.27
30V.022K	.022	12.5	11	6.0	10	.42	.36	.29
30V.033K	.033	18	11	6.0	15	.44	.38	.31
30V.047K	.047	18	12	6.5	15	.47	.40	.32
30V.068K	.068	18	13	7.0	15	.57	.49	.40
30V.1K	.1	23	13	7.0	20	.67	.56	.46
30V.15K	.15	23	15	8.5	20	.78	.66	.54
30V.22K	.22	23	16.5	8.5	20	1.00	.84	.69
30V.33K	.33	31	18.5	9.5	27	1.18	1.00	.82
30V.47K	.47	31	21	12	27	1.56	1.32	1.08
30V1.0K	1.0	31	27	18	27	2.63	2.25	1.89

METALLIZED BOX

These Xicon box case capacitors feature non-inductive windings, tin plated copper leads, and epoxy seals for reliable electrical and mechanical performance. They are well suited to telecommunications, industrial circuits, and data processing equipment where filtering, coupling, decoupling, or timing is required.

Specifications:
- Operating temperature: -40°C to +85°C
- Dissipation factor: 1% max. @ 1kHz, 25°C
- Insulation resistance: (IR): C≤.33μF IR>30GΩ; C>.33μF IR>10GΩ
- Yellow, flame retardant plastic box



DIMENSIONS (mm)

100VDC ±10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) W	H	T	LS	Price Each 1	100	500
1430-1683	.068	10.5	9	4	7.5	.25	.21	.19
1430-1104	.1	13	11	5	10	.25	.21	.19
1430-1154	.15	13	11	5	10	.26	.25	.23
1430-1224	.22	13	12	6	10	.28	.23	.21
1430-1334	.33	13	12	6	10	.33	.26	.24
1430-1474	.47	18	12	6	15	.47	.34	.30
1430-1684	.68	18	12	6	15	.56	.41	.37
1430-1105	1.0	18	13.5	7.5	15	.69	.53	.48
1430-1225	2.2	26.5	17.5	8.5	22.5	1.23	.92	.86
1430-1475	4.7	32	20	11	27.5	1.83	1.52	1.38

250VDC ±10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) W	H	T	LS	Price Each 1	100	500
1430-2473	.047	13	9	4	10	.23	.20	.18
1430-2104	.1	13	11	5	10	.26	.21	.19
1430-2224	.22	18	12	6	15	.36	.27	.25
1430-2105	1.0	26.5	17	8.5	22.5	.82	.66	.58

400VDC ±10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) W	H	T	LS	Price Each 1	100	500
1430-4223	.022	13	11	5	10	.22	.19	.18
1430-4473	.047	13	12	6	10	.29	.23	.22
1430-4683	.068	18	11	5	15	.29	.25	.23
1430-4104	.1	18	12	6	15	.40	.28	.26
1430-4224	.22	26.5	15	6	22.5	.59	.48	.44

630VDC ±10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) W	H	T	LS	Price Each 1	100	500
1430-6103	.01	13	11	5	10	.25	.22	.20
1430-6223	.022	13	12	6	10	.25	.23	.22
1430-6333	.033	13	13	7	10	.28	.25	.24
1430-6473	.047	18	12	6	15	.46	.31	.28
1430-6104	.1	18	14.5	8.5	15	.45	.41	.37

METALLIZED-ROUND

Specifications:
- Operating temp: -40°C to +85°C
- Test voltage: 750V
- Non-inductive and self healing

DIMENSIONS (mm)

250VDC ± 10% Tolerance

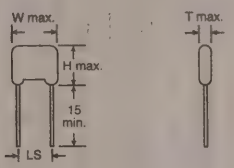
For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) D	L	Price Each 1	100	500
23ME310	.01	5.5	14	.49	.39	.34
23ME322	.022	5.5	14	.49	.39	.34
23ME347	.047	5.5	14	.49	.39	.34
23ME368	.068	5.5	14	.49	.39	.34
23ME410	.1	6.0	14	.50	.42	.38
23ME415	.15	6.5	14	.50	.42	.38
23ME422	.22	7.0	19	.54	.46	.41
23ME433	.33	8.0	19	.54	.46	.41
23ME447	.47	9.0	19	.57	.48	.43
23ME468	.68	9.0	25	.64	.54	.48
23ME510	1.0	10.5	25	.73	.62	.55
23ME520	2.0	14	32	1.18	1.00	.89
23ME522	2.2	14	32	1.18	1.00	.89

NON-INDUCTIVE-POLYESTER FILM

Features:
- High stability and reliability
- Excellent environmental performance
- Low ESR
- Non-inductive construction minimizes dissipation factor

Specifications:
- Operating temperature: -40°C to +85C
- Capacitance range: .001 to .47μF
- Rated voltage: 100VDC, 200VDC
- Dissipation factor: 0.8% max @ 1kHz, 25°C
- Insulation resistance: >20,000MΩ (C≤.1μF), >2,000MΩ-μF (C> .1μF)



DIMENSIONS (mm)

100VDC±10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) W	H	T	LS	Price Each 1	100	500
1432-1103	.01	10.5	9.5	6.0	7	.25	.17	.15
1432-1223	.022	10.5	9.5	6.0	7	.26	.17	.16
1432-1333	.033	13.5	10	6.0	10	.27	.18	.16
1432-1473	.047	13.5	11.5	7.5	10	.28	.19	.17
1432-1563	.056	13.5	11.5	7.5	10	.31	.21	.19
1432-1104	.1	14	13	8.0	10	.37	.25	.23
1432-1224	.22	20	15	8.5	15	.44	.29	.27
1432-1474	.47	20	21.5	13	15	.56	.38	.34

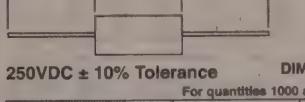
200VDC±10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) W	H	T	LS	Price Each 1	100	500
1432-2102	.001	10.5	9.5	5.0	7	.24	.16	.15
1432-2222	.0022	10.5	9.5	5.5	7	.24	.16	.15
1432-2332	.0033	10.5	9.5	5.5	7	.24	.16	.15
1432-2472	.0047	10.5	9.5	5.5	7	.25	.17	.15
1432-2562	.0056	10.5	9.5	5.5	7	.26	.17	.16

METALLIZED-OVAL

Specifications:
- Operating temp.: -40°C to +85°C
- Test voltage: WV x 1.6
- Test voltage: WV x 1.6
- Insulation resistance: 10GΩ
- Non-inductive and self healing



DIMENSIONS (mm)

250VDC ± 10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) W	H	T	Price Each 1	100	500
23MA410	.1	14	8.5	4.5	.55	.43	.39
23MA415	.15	14	9.0	5.0	.56	.47	.43
23MA422	.22	14	10	6.0	.57	.48	.44
23MA433	.33	19	12	6.5	.57	.48	.44
23MA447	.47	19	13	7.0	.67	.57	.52
23MA468	.68	25	12.5	6.5	.79	.67	.61
23MA510	1.0	25	14	7.5	.79	.67	.61
23MA515	1.5	32	16	8.5	1.27	1.07	.98
23MA522	2.2	32	18	9.5	1.31	1.19	1.07

400VDC ± 10% Tolerance

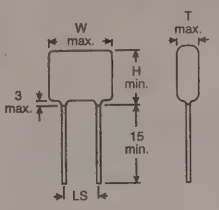
For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions (mm) W	H	T	Price Each 1	100	500
23MA347	.047	14	12	4.5	.53	.41	.37
23MA368	.068	19	9.0	5.0	.53	.41	.37

XICON Polypropylene & Polystyrene Film Capacitors

85°C POLYPROPYLENE CAPACITORS

Constructed with polypropylene film dielectric in a non-inductive form. They feature low dissipation factor, high insulation resistance, fire retardant coating, and welded leads.



DIMENSIONS (mm)

Specifications:

- Operating temperature: -40°C to +85°C
- Test voltage: WVDC x 2.0
- Insulation resistance: 30GΩ

±10% Tolerance

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Volt (DC)	Value (μF)	Dimensions (mm)				Price Each			
			W	H	T	LS	1	100	500	1000
1431-6102K	630	.001	14	8.5	6	10	.33	.21	.19	.17
1431-6152K	630	.0015	14	9	6.5	10	.33	.21	.19	.17
1431-6222K	630	.0022	14	10	6.5	10	.33	.21	.19	.18
1431-4332K	400	.0033	14	9.5	6.0	10	.29	.20	.17	.16
1431-4472K	400	.0047	14	9.5	6.0	10	.30	.20	.18	.17
1431-4682K	400	.0068	14	10	6.5	10	.33	.22	.20	.18
1431-4103K	400	.01	14	11.5	7.5	10	.35	.23	.21	.19
1431-2153K	250	.015	14	10	6.5	10	.34	.23	.20	.19
1431-2223K	250	.022	14	12	7	10	.36	.24	.22	.20
1431-2333K	250	.033	19	11.5	6.5	15	.41	.27	.25	.23
1431-2473K	250	.047	19	12.5	7	15	.45	.30	.28	.25
1431-2563K	250	.056	19	13	8.0	15	.47	.31	.28	.26
1431-2683K	250	.068	19	14	9.0	15	.49	.33	.30	.27
1431-2104K	250	.1	19	16	9.5	15	.53	.36	.32	.29
1431-2154K	250	.15	26	17.5	10	21	.60	.40	.36	.33
1431-2224K	250	.22	26	21	12.5	22	.62	.41	.38	.34
1431-2334K	250	.33	32	22.5	13	27.5	.82	.61	.55	.50

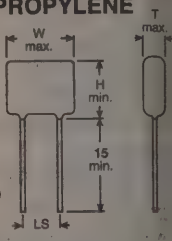
±5% Tolerance

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Volt (DC)	Value (μF)	Dimensions (mm)				Price Each			
			W	H	T	LS	1	100	500	1000
1431-4103J	400	.01	14	11.5	7.5	10	.39	.26	.23	.21
1431-2104J	250	.1	19	16	9.5	15	.59	.39	.36	.32
1431-2474J	250	.47	32	26	15.5	27.5	.85	.77	.70	.63

85°C METALLIZED POLYPROPYLENE CAPACITORS

These Xicon MPP Series capacitors feature non-inductive windings, copper clad steel leads, and environmentally resistive epoxy coatings for excellent electrical and mechanical performance. The non-inductive, polypropylene capacitor is especially suitable to telecommunication, industrial circuits, and data processing equipment where filtering, coupling, stable tuning, timing, or temperature compensation is required.



DIMENSIONS (mm)

Specifications:

- Operating temperature: -55°C to +85°C
- Capacitance tolerance: ±10%
- Dissipation factor: 0.1% max. @ 1kHz, 25°C
- Insulation resistance: C ≤ .33μF, IR > 30GΩ
  C > .33μF, IR > 10GΩ

100 WVDC

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Value (μF)	Dimensions (mm)				Price Each			
		W	H	T	LS	1	50	100	500
1429-1104	.1	13	11	7	10	.44	.29	.27	.24
1429-1474	.47	18.5	15.5	10	15	.70	.47	.43	.39

250 WVDC

For quantities of 2000 and up, call for qu

1429-2223	.022	13	10	6	10	.39	.26	.24	.2
1429-2333	.033	13	10	6	10	.43	.29	.26	.2
1429-2473	.047	13	10.5	6	10	.46	.31	.28	.2
1429-2104	.1	13	12	7	10	.56	.37	.34	.3
1429-2224	.22	18.5	13	7	15	.59	.39	.36	.3
1429-2334	.33	18.5	14.5	8	15	.86	.62	.56	.5
1429-2474	.47	18.5	15.5	10	15	.92	.71	.65	.5
1429-2105	1	23	18.5	11	20	1.17	.90	.82	.7
1429-2225	2.2	32	21.5	13.5	27.5	1.67	1.39	1.26	1.1
1429-2475	4.7	37	27	18	27.5	3.49	2.91	2.65	2.4

400 WVDC

For quantities of 2000 and up, call for qu

1429-4103	.01	13	10	6.5	10	.37	.25	.22	.2
1429-4473	.047	13	11	7.5	10	.48	.32	.29	.2
1429-4104	.1	18.5	13.5	8.0	15	.63	.42	.38	.3

630 WVDC

For quantities of 2000 and up, call for qu

1429-6103	.01	13	11	6.5	10	.46	.30	.27	.2
1429-6223	.022	13	12.5	8	10	.53	.35	.32	.2
1429-6473	.047	18.5	14	8.5	15	.63	.42	.38	.3
1429-6104	.1	23	17	10	20	.73	.48	.44	.4
1429-6224	.22	32	19	12	27.5	.97	.75	.68	.6
1429-6474	.47	32	24.5	15	27.5	1.43	1.19	1.08	.9

85°C AXIAL 5% POLYSTYRENE CAPACITORS

Comprised of polystyrene dielectric material fused to foil, these capacitors are highly resistant to humidity and provide excellent capacitance stability.

Specifications:

- ±5% tolerance
- Dissipation factor (@ 100kHz):
  DF < 0.1% C ≥ 330pF
  Q > 1000 C < 330pF
- Operating temperature: -40°C to +85°C
- Temperature coefficient: N150 ±ppm/°C
- Insulation resistance (@25°C): 100GΩ min.
- 50 WVDC

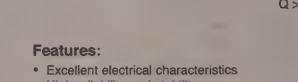
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	D x L (mm)	Price Each			
			1	100	500	1000
23PS110	100	5.5 x 12	.24	.12	.11	.10
23PS112	120	5.5 x 12	.24	.12	.11	.10
23PS115	150	5.5 x 12	.24	.12	.11	.10
23PS118	180	5.5 x 12	.24	.12	.11	.10
23PS122	220	5.5 x 12	.24	.12	.11	.10
23PS127	270	5.5 x 12	.24	.12	.11	.10
23PS133	330	5.5 x 12	.22	.11	.10	.09
23PS139	390	5.5 x 12	.22	.11	.10	.09
23PS147	470	5.5 x 12	.22	.11	.10	.09
23PS156	560	5.5 x 12	.22	.11	.10	.09
23PS168	680	5.5 x 12	.22	.11	.10	.09
23PS182	820	6.0 x 12	.22	.11	.10	.09
23PS210	1000	6.0 x 12	.22	.11	.10	.09

Features:

- Excellent electrical characteristics
- High reliability and stability
- Low temperature coefficients
- Small dissipation factor

DIMENSIONS (mm)



MOUSER STOCK NO.	Value (pF)	D x L (mm)	Price Each			
			1	100	500	10
23PS212	1200	6.0 x 12	.24	.12	.11	.1
23PS215	1500	6.0 x 12	.24	.12	.11	.1
23PS218	1800	6.0 x 12	.24	.12	.11	.1
23PS220	2000	6.5 x 12	.24	.12	.11	.1
23PS222	2200	6.5 x 12	.24	.12	.11	.1
23PS227	2700	7.0 x 12	.25	.12	.11	.1
23PS233	3300	7.0 x 12	.26	.13	.12	.1
23PS239	3900	7.5 x 12	.26	.13	.12	.1
23PS247	4700	8.0 x 12	.28	.14	.13	.1
23PS250	5000	8.0 x 12	.30	.15	.14	.1
23PS268	6800	9.0 x 12	.32	.16	.14	.1
23PS282	8200	9.5 x 12	.34	.17	.16	.1
23PS310	.01μF	10 x 12	.38	.19	.17	.1

85°C RADIAL 5% POLYSTYRENE CAPACITORS

Comprised of polystyrene dielectric material fused to foil, these capacitors are highly resistant to humidity and provide excellent capacitance stability.

Features:

- Excellent electrical characteristics
- High reliability and stability
- Low temperature coefficients
- Small dissipation factor

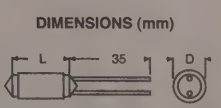
Specifications:

- ±5% tolerance
- Dissipation factor (@ 100kHz):
  DF < 0.1% C ≥ 330pF
  Q > 1000 C < 330pF
- Operating temp.: -40°C to +85°C
- Temp. coefficient: N150 ±ppm/°C
- Insulation resist. (@25°C): 100GΩ min.
- 50 WVDC

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	D x L (mm)	Price Each			
			1	100	500	1000
23PW156	560	5.5 x 12	.22	.11	.10	.09
23PW210	1000	6.0 x 12	.22	.11	.10	.09
23PW220	2000	6.0 x 12	.24	.12	.11	.10
23PW222	2200	6.5 x 12	.24	.12	.11	.10
23PW233	3300	7.0 x 12	.26	.13	.12	.11
23PW247	4700	8.0 x 12	.28	.14	.13	.12
23PW250	5000	8.0 x 12	.30	.15	.14	.12
23PW268	6800	9.0 x 12	.32	.16	.14	.13
23PW310	.01μF	10 x 12	.38	.19	.17	.16

DIMENSIONS (mm)



5% POLYSTYRENE CAPACITOR KITS

- Design Kits for Engineers
- Reorder individual parts as needed using part # key in box lid.
- Positive closing box lid.

Features:

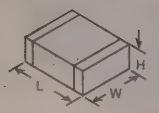
- 50 WVDC
- Axial leads
- 10 ea. of 12 values ea. kit ±5%

MOUSER STOCK NO.	Pieces Per Kit	Description	Pri Ea
370-PS-1	120	**10 ea.**: 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820 pF	24
370-PS-2	120	**10 ea.**: 1000, 1200, 1500, 1800, 2000, 2200, 2700, 3300, 3900, 5000, 6800, 10,000pF	24

CORNELL DUBILIER TYPE MC MICA SURFACE MOUNT CHIP CAPACITORS

ications:

erature range: -55°C to +125°C
or: 1pF-80pF = 500 to 3000 min.
>80pF = 3000 min.
tion resistance: 100GΩ min.
handling: dV/dt of 20,000 v/µs
olerances available



es:

mpedance to beyond 1GHz
zero capacitance change in all environments
tands 200% rated voltage for up to 5 seconds
ations: CATV, flight radio, precision timing, RF
icrowave, resonators, and stripline termination

For quantities of 1000 and up, call for quote.

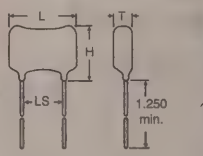
MOUSER STOCK NO.	CDE Type MC	Volt (DC)	Value (pF)	Tol. ±	Temp. Coeff. ppm/°C	Case Size (in.) L	W	H	Price Each 1	100	500
5982-08-100V1.0	08CA010D	100	1	.5pf	100	.079	.049	.05	1.31	.76	.69
5982-08-100V5.0	08CA050D	100	5	.5pf	100	.079	.049	.05	1.31	.76	.69
5982-08-100V10	08CA100D	100	10	.5pf	100	.079	.049	.05	.97	.56	.51
5982-08-100V15	08CA150J	100	15	5%	50	.079	.049	.05	1.31	.76	.69
5982-12-100V100	12FA101J	100	100	5%	25	.126	.098	.059	1.62	.94	.86
5982-12-500V5.0	12CD050D	500	5	.5pf	100	.126	.098	.059	1.62	.94	.86
5982-12-500V7.0	12CD070D	500	7	.5pf	100	.126	.098	.059	1.62	.94	.86
5982-12-500V10	12CD100D	500	10	.5pf	100	.126	.098	.059	1.62	.94	.86
5982-12-500V47	12FD470J	500	47	5%	25	.126	.098	.059	1.20	.69	.63
5982-18-500V100	18FD101J	500	100	5%	25	.177	.126	.079	1.45	.84	.77
5982-18-500V220	18FD221J	500	220	5%	25	.177	.126	.079	1.62	.94	.86
5982-18-500V330	18FD331J	500	330	5%	25	.177	.126	.079	2.54	1.47	1.34
5982-18-500V470	18FD471J	500	470	5%	25	.177	.126	.079	2.00	1.16	1.05
5982-22-500V1000	22FD102J	500	1000	5%	25	.224	.197	.079	2.74	1.58	1.44
5982-22-1000V390	22FF391J	1000	390	5%	25	.224	.197	.157	2.46	2.05	1.98
5982-22-1000V470	22FF471J	1000	470	5%	25	.224	.197	.157	2.46	2.05	1.98
5982-22-1000V820	22FF821J	1000	820	5%	25	.224	.197	.157	3.12	2.60	2.52
5982-22-1000V1000	22FF102J	1000	1000	5%	25	.224	.197	.157	3.31	2.76	2.67
5982-22-1000V1500	22FF152J	1000	1500	5%	25	.224	.197	.157	3.99	3.33	3.22

CORNELL DUBILIER DIPPED SILVER-MICA CAPACITORS

e CDE dipping process to impart high moisture and humidity resistance. Conforms to EIA specifications.

rice: D=.5pF, J=5%
erature range: -55°C to +125°C
ge range: 100, 300, 500, and 1000WVDC
ion test: 10-2000Hz
handling: dV/dt of 20,000 v/µs

DIMENSIONS (IN.)



Lead Spacing (In.)							
	CD10	CD15	CD19	CD30	CDV16	CDV19	CDV30
	.141	.234	.344	.438	.234	.344	.438

ed Mica Dielectric Capacitors

For quantities of 500 and up, call for quote.

OUSER OCK NO.	CDE Type	Volt (DC)	Value (pF)	Dimensions (In.) Max. L	H	T	Price Each 1	25	100
ufacturer's Type CD5 Series									
5-300V1	CC010DO3	300	1	.270	.190	.110	1.14	.91	.73
5-300V2	CC020DO3	300	2	.270	.190	.110	1.14	.91	.73
5-300V3	CC030DO3	300	3	.270	.190	.110	1.14	.91	.73
5-300V5	CC050DO3	300	5	.270	.190	.110	1.14	.91	.73
5-300V10	CC100DO3	300	10	.270	.190	.110	.81	.65	.52
5-300V15	CC150JO3	300	15	.270	.190	.120	.84	.67	.54
5-300V20	EC200JO3	300	20	.270	.200	.120	.86	.68	.55
5-300V30	EC300JO3	300	30	.270	.200	.130	.96	.77	.61
5-300V33	EC330JO3	300	33	.270	.200	.130	.97	.78	.62
5-300V47	EC470JO3	300	47	.270	.210	.140	1.11	.89	.71
5-300V100	FC101JO3	300	100	.270	.240	.180	1.65	1.32	1.05
5-100V150	FA151JO3	100	150	.270	.230	.170	1.84	1.47	1.18
ufacturer's Type CD10 Series									
10-500V5	CD050DO3	500	5	.360	.330	.190	1.04	.83	.67
10-500V10	CD100DO3	500	10	.360	.330	.190	1.04	.83	.67
10-500V12	CD120JO3	500	12	.360	.330	.190	1.04	.83	.67
10-500V15	CD150JO3	500	15	.360	.330	.190	1.04	.83	.67
10-500V18	CD180JO3	500	18	.360	.330	.190	1.04	.83	.67
10-500V22	ED220JO3	500	22	.360	.330	.190	.78	.62	.50
10-500V24	ED240JO3	500	24	.360	.330	.190	.78	.62	.50
10-500V27	ED270JO3	500	27	.370	.330	.190	.78	.62	.50
10-500V30	ED300JO3	500	30	.370	.340	.190	.78	.62	.50
10-500V33	ED330JO3	500	33	.370	.340	.190	.78	.62	.50
10-500V39	ED390JO3	500	39	.370	.340	.190	.89	.71	.57
10-500V47	ED470JO3	500	47	.370	.340	.190	.92	.74	.59
10-500V56	ED560JO3	500	56	.370	.340	.190	.92	.74	.59
10-500V100	FD101JO3	500	100	.370	.350	.200	.97	.77	.62
10-500V150	FD151JO3	500	150	.380	.360	.210	.99	.79	.63
10-500V220	FD221JO3	500	220	.390	.380	.220	1.36	1.08	.87
10-500V300	D105F301JO3	500	300	.390	.380	.220	1.49	1.19	.95
10-500V330	D105F331JO3	500	330	.390	.380	.220	2.26	1.80	1.44
ufacturer's Type CD15 Series									
15-500V3	CD030DO3	500	3	.450	.360	.170	.55	.44	.35
15-500V5	CD050DO3	500	5	.450	.360	.170	.55	.44	.35
15-500V10	CD100DO3	500	10	.450	.360	.170	.55	.44	.35
15-500V15	CD150JO3	500	15	.450	.360	.170	.53	.42	.34
15-500V20	ED200JO3	500	20	.450	.360	.170	.53	.42	.34
15-500V22	ED220JO3	500	22	.450	.360	.170	.55	.44	.35
15-500V27	ED270JO3	500	27	.450	.360	.170	.55	.44	.35
15-500V30	ED300JO3	500	30	.450	.360	.170	.55	.44	.35
15-500V33	ED330JO3	500	33	.450	.360	.170	.55	.44	.35
15-500V47	ED470JO3	500	47	.450	.360	.170	.55	.45	.35
15-500V50	ED500JO3	500	50	.450	.360	.170	.55	.44	.35
15-500V56	ED560JO3	500	56	.450	.360	.170	.55	.44	.35
15-500V68	ED680JO3	500	68	.450	.360	.180	.56	.45	.35
15-500V75	ED750JO3	500	75	.450	.360	.180	.56	.45	.36
15-500V82	ED820JO3	500	82	.450	.360	.180	.56	.45	.36

Dipped Mica Dielectric Capacitors (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE Type	Volt (DC)	Value (pF)	Dimensions (In.) Max. L	H	T	Price Each 1	25	100
Manufacturer's Type CD15 Series (cont.)									
5982-15-500V100	FD101JO3	500	100	.460	.360	.180	.56	.45	.36
5982-15-500V120	FD121JO3	500	120	.460	.370	.180	.62	.49	.39
5982-15-500V150	FD151JO3	500	150	.460	.370	.190	.65	.52	.41
5982-15-500V180	FD181JO3	500	180	.460	.370	.190	.74	.59	.47
5982-15-500V200	FD201JO3	500	200	.460	.380	.190	.74	.59	.47
5982-15-500V220	FD221JO3	500	220	.460	.380	.200	.78	.62	.50
5982-15-500V250	FD251JO3	500	250	.470	.390	.210	.83	.66	.53
5982-15-500V270	FD271JO3	500	270	.470	.390	.210	.90	.72	.58
5982-15-500V330	FD331JO3	500	330	.470	.390	.210	1.05	.84	.67
5982-15-500V360	FD361JO3	500	360	.470	.390	.210	1.15	.92	.73
5982-15-500V390	FD391JO3	500	390	.470	.390	.210	1.15	.92	.73
5982-15-500V430	FD431JO3	500	430	.470	.390	.210	1.26	1.01	.81
5982-15-500V470	FD471JO3	500	470	.470	.400	.220	1.33	1.06	.85
5982-15-500V500	FD501JO3	500	500	.470	.400	.220	1.35	1.08	.86
5982-15-500V510	FD511JO3	500	510	.460	.400	.220	1.41	1.13	.90
5982-15-300V560	FC561JO3	300	560	.460	.380	.210	1.41	1.13	.90
5982-15-300V620	FC621JO3	300	620	.470	.380	.210	1.52	1.21	.97
5982-15-300V680	FC681JO3	300	680	.470	.390	.210	1.71	1.37	1.09
5982-15-300V820	FC821JO3	300	820	.470	.390	.210	1.96	1.57	1.25
5982-15-100V1000	FA102JO3	100	1000	.480	.400	.230	1.85	1.48	1.18
Manufacturer's Type CD19 Series									
5982-19-500V270	FD271JO3	500	270	.640	.500	.190	1.11	.89	.71
5982-19-500V330	FD331JO3	500	330	.640	.500	.190	1.15	.92	.73
5982-19-500V390	FD391JO3	500	390	.640	.510	.200	1.19	.95	.76
5982-19-500V470	FD471JO3	500	470	.640	.510	.200	1.21	.97	.77
5982-19-500V500	FD501JO3	500	500	.650	.510	.200	1.21	.97	.77
5982-19-500V510	FD511JO3	500	510	.650	.510	.200	1.21	.97	.77
5982-19-500V560	FD561JO3	500	560	.650	.510	.200	1.21	.97	.77
5982-19-500V680	FD681JO3	500	680	.650	.510	.210	1.42	1.14	.91
5982-19-500V820	FD821JO3	500	820	.650	.510	.210	1.41	1.13	.90
5982-19-500V910	FD911JO3	500	910	.650	.510	.210	1.48	1.18	.94
5982-19-500V1000	FD102JO3	500	1000	.650	.520	.220	1.51	1.21	.96
5982-19-500V1200	FD122JO3	500	1200	.660	.520	.220	1.70	1.36	1.09
5982-19-500V1500	FD152JO3	500	1500	.660	.520	.230	1.95	1.56	1.25
5982-19-500V2000	FD202JO3	500	2000	.670	.530	.240	2.48	1.99	1.59
5982-19-500V2200	FD222JO3	500	2200	.670	.530	.250	2.49	1.99	1.60
5982-19-500V2700	FD272JO3	500	2700	.680	.540	.270	2.70	2.16	1.73
5982-19-500V3000	FD302JO3	500	3000	.680	.550	.280	2.95	2.36	1.89
5982-19-500V3300	FD332JO3	500	3300	.680	.550	.290	3.12	2.50	2.00
5982-19-500V3900	FD392JO3	500	3900	.690	.560	.310	3.71	2.96	2.37
5982-19-500V4700	FD472JO3	500	4700	.700	.580	.350	4.15	3.32	2.66
Manufacturer's Type CD30 Series									
5982-30-500V6200	FD622JO3	500	6200	.780	.870	.290	7.23	5.78	4.63
5982-30-500V10000	FD103JO3	500	10000	.800	.890	.340	9.16	7.32	5.86

High Voltage Dipped Mica "Snubbers"

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE Type	Volt (DC)	Value (pF)	Dimensions (In.) Max. L	H	T	Price Each 1	25	100
Manufacturer's Type CDV16 Series									
5983-16-1KV430	FF431JO3	1000	430	0.45	0.47	0.16	2.12	1.69	1.36
5983-16-1KV680	FF681JO3	1000	680	0.46	0.50	0.17	2.73	2.18	1.75
5983-16-1KV820	FF821JO3	1000	820	0.46	0.50	0.17	3.11	2.49	1.99
5983-16-1KV1000	FF102JO3	1000	1000	0.46	0.50	0.17	3.11	2.49	1.99
5983-16-1KV3000	FF302JO3	1000	3000	0.47	0.52	0.25	6.07	4.86	3.88
Manufacturer's Type CDV19 Series									
5983-19-1KV330	FF331JO3	1000	330	.650	.510	.200	2.85	2.28	1.82
5983-19-1KV470	FF471JO3	1000	470	.650	.510	200	3.35	2.68	2.14
5983-19-1KV680	FF681JO3	1000	680	.660	.520	.220	3.69	2.95	2.36
5983-19-1KV1000	FF102JO3	1000	1000	.670	.530	.250	4.11	3.29	2.63
5983-19-1KV1500	FF152JO3	1000	1500	.680	.540	270	4.27	3.42	2.73
5983-19-1KV2200	FF222JO3	1000	2200	.690	.560	310	5.12	4.10	3.28

VISHAY HPC0402A SERIES HIGH FREQUENCY INTERGRATED SILICON CAPACITORS

High Performance, High Precision

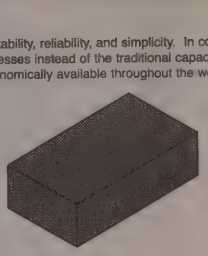
In the last decade or two, semiconductor production has been greatly refined in materials, processes, producibility, cost reduction, repeatability, reliability, and simplicity. In contrast, there have been few significant innovative advances in passive components. So the search for a significant advance in a high Q, high frequency capacitor centered on the semiconductor processes instead of the traditional capacitor processes. The resultant product yields a true RF capacitor with a ten-fold increase in capacitance density based on simple, low cost, high reliability semiconductor processes, and on materials economically available throughout the world.

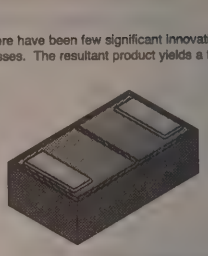
Features:

- New technology surface mount capacitor based on a special semi-conductor process
- Construction reduces the parasitic inductance and brings the SRF values to ultra-high frequencies
- Capacitance is extremely stable in a wide range of frequencies from 1MHz to several GHz
- High Q and low ESR
- Tight tolerance to ± 1% or 0.05pF
- Ultra high SRF
- Low parasitic inductance
- Capacitance range: 0.1pF to 180pF

Applications:

- Wireless communications
- Mobile phones
- Cordless phones
- GPS
- VCO
- Filter Networks
- Matching Networks
- Smart cards





Electrical Specifications:

- Operating Temperature: -55°C to + 125°C
- Temperature Coefficient of Capacitance (TCC): 0 ± 30ppm/°C
- Insulation Resistance: 10 (11)Ω min
- Voltage: 2.5 x rated voltage for 5 seconds
- Ageing: none

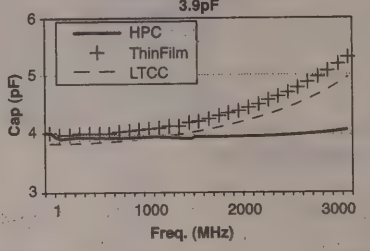
Environmental Specifications:

- Life Test: 1000 hours, + 125°C @ 2 x rated voltage
- Thermal Shock: 5 Cycles, -55°C/+ 125°C
- Moisture Resistance: 240 hours, 85% RH, + 85°C

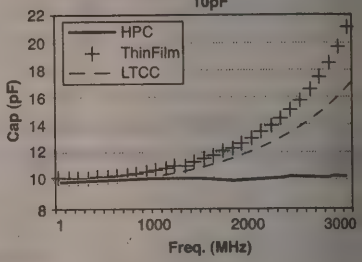
Main Advantages of the HPC0402 Integrated Silicon Capacitor:

- Capacitance stability per frequency
- 10 fold capacitance for the same size
- 10 fold capacitance density
- Low profile
- Ultra high SRF
- Low parasitic inductance
- High Q
- Low ESR
- Tight tolerance
- No tombstone effect
- Eliminates board assembly problems
- Use directly on existing pads
- Reduce board size 25-45%
- Cost effective

Cap(pF) vs. Freq. (MHz)
3.9pF



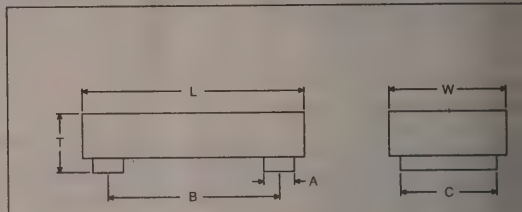
Cap(pF) vs. Freq. (MHz)
10pF



For quantities of 10,000 and up, please call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Capacitance Value (pF)	Volt	Tol. ±	Price Each 1	100	500	1000	2000	5000
75—	HPC0402A0R6BXXT5	0.6	25	0.10pF	.37	.28	.23	.20	.18	.17
75—	HPC0402A0R7BXXT5	0.7	25	0.10pF	.37	.28	.23	.20	.18	.17
75—	HPC0402A0R8BXXT5	0.8	25	0.10pF	.37	.28	.23	.20	.18	.17
75—	HPC0402A0R9BXXT5	0.9	25	0.10pF	.37	.28	.23	.20	.18	.17
75—	HPC0402A1R0BXXT5	1	25	0.10pF	.37	.28	.23	.20	.18	.17
75—	HPC0402A1R2BXXT5	1.2	25	0.10pF	.52	.39	.32	.28	.25	.24
75—	HPC0402A1R5BXXT5	1.5	25	0.10pF	.52	.39	.32	.28	.25	.24
75—	HPC0402A1R8BXXT5	1.8	25	0.10pF	.52	.39	.32	.28	.25	.24
75—	HPC0402A2R2BXXT5	2.2	25	0.10pF	.52	.39	.32	.28	.25	.24
75—	HPC0402A2R7BXXT5	2.7	25	0.10pF	.52	.39	.32	.28	.25	.24
75—	HPC0402A3R9BXXT5	3.9	25	0.10pF	.52	.39	.32	.28	.25	.24
75—	HPC0402A4R7BXXT5	4.7	25	0.10pF	.52	.39	.32	.28	.25	.24
75—	HPC0402A6R2BXXT5	6.2	25	0.10pF	.74	.56	.46	.40	.36	.34
75—	HPC0402A6R8BXXT5	6.8	25	0.10pF	.74	.56	.46	.40	.36	.34
75—	HPC0402A8R2BXXT5	8.2	25	0.10pF	.74	.56	.46	.40	.36	.34
75—	HPC0402A100FXXT5	10	25	1%	.74	.56	.46	.40	.36	.34
75—	HPC0402A120FXXT5	12	25	1%	.74	.56	.46	.40	.36	.34
75—	HPC0402A150FXYT5	15	16	1%	.74	.56	.46	.40	.36	.34
75—	HPC0402A180FXYT5	18	16	1%	.74	.56	.46	.40	.36	.34
75—	HPC0402A220FXZT5	22	10	1%	.74	.56	.46	.40	.36	.34
75—	HPC0402A270FXZT5	27	10	1%	.74	.56	.46	.40	.36	.34
75—	HPC0402A330FXZT5	33	10	1%	.74	.56	.46	.40	.36	.34
75—	HPC0402A390FXZT5	39	10	1%	.74	.56	.46	.40	.36	.34
75—	HPC0603A0R8AXMT1	0.8	50	0.05pF	.88	.79	.71	.53	.48	.44
75—	HPC0603A1R0AXMT1	1	50	0.05pF	.88	.79	.71	.53	.48	.44
75—	HPC0603A1R1AXMT1	1.1	50	0.05pF	.88	.79	.71	.53	.48	.44
75—	HPC0603A1R2BXMT1	1.2	50	0.1pF	.63	.57	.50	.38	.35	.31
75—	HPC0603A1R5BXMT1	1.5	50	0.1pF	.63	.57	.50	.38	.35	.31
75—	HPC0603A1R8AXMT1	1.8	50	0.05pF	.88	.79	.71	.53	.48	.44
75—	HPC0603A2R0BXMT1	2	50	0.1pF	.63	.57	.50	.38	.35	.31
75—	HPC0603A2R2BXMT1	2.2	50	0.1pF	.63	.57	.50	.38	.35	.31
75—	HPC0603A2R4BXMT1	2.4	50	0.1pF	.63	.57	.50	.38	.35	.31
75—	HPC0603A2R7BXMT1	2.7	50	0.1pF	.63	.57	.50	.38	.35	.31
75—	HPC0603A3R0BXMT1	3	50	0.1pF	.63	.57	.50	.38	.35	.31
75—	HPC0603A3R3AXMT1	3.3	50	0.05pF	1.25	1.13	1.00	.75	.69	.63
75—	HPC0603A3R9BXMT1	3.9	50	0.1pF	.88	.79	.71	.53	.48	.44
75—	HPC0603A4R7BXMT1	4.7	50	0.1pF	.88	.79	.71	.53	.48	.44
75—	HPC0603A5R6BXMT1	5.6	50	0.1pF	.88	.79	.71	.53	.48	.44
75—	HPC0603A6R8BXMT1	6.8	50	0.1pF	.88	.79	.71	.53	.48	.44
75—	HPC0603A8R2BXMT1	8.2	50	0.1pF	.88	.79	.71	.53	.48	.44
75—	HPC0603A100FXMT1	10	50	1%	.88	.79	.71	.53	.48	.44
75—	HPC0603A120FXMT1	12	50	1%	.88	.79	.71	.53	.48	.44
75—	HPC0603A150FXMT1	15	50	1%	.88	.79	.71	.53	.48	.44
75—	HPC0603A180FXMT1	18	50	1%	.88	.79	.71	.53	.48	.44
75—	HPC0603A220FXMT1	22	50	1%	1.25	1.13	1.00	.75	.69	.63
75—	HPC0603A470FXXT1	47	25	1%	1.25	1.13	1.00	.75	.69	.63
75—	HPC0603A101GXYT1	100	16	2%	.88	.79	.71	.53	.48	.44

Dimensions



Case Code	DIMENSION	INCHES	MILLIMETERS
0402	L	0.04 ± 0.004	1.02 ± 0.1
	W	0.02 ± 0.004	0.51 ± 0.1
	T	0.016 ± 0.004	0.4 ± 0.1
	A	0.006 ± 0.002	0.15 ± 0.05
	B	0.028 ± 0.002	0.71 ± 0.05
	C	0.014 ± 0.002	0.36 ± 0.05
0603	L	0.063 ± 0.002	1.60 ± 0.1
	W	0.031 ± 0.002	0.80 ± 0.1
	T	0.022 ± 0.002	0.56 ± 0.1
	A	0.008 ± 0.002	0.20 ± 0.05
	B	0.049 ± 0.002	1.24 ± 0.05
	C	0.025 ± 0.002	0.64 ± 0.05

Process Yields and Capacitance Density vs. Technology, offered by leading manufacturers of precision RF capacitors

	HPC	LTCC	ThinFilm
Technology	Semiconductor	MLCC (LTCC)	Thin Film
Process stability w/o trimming w/o sorting	±2%	± 15%	± 9%
Max Capacitance values	Up to 200pF	Up to 15pF	Up to 22p
Capacitance density	0.27pF/mil2	0.02pF/mil2	0.03pF/mil

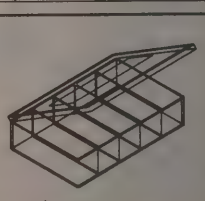
Comparison by Technology, Key Features of RF Capacitors

	HPC	LTCC	ThinFilm
Capacitance Tolerance	Very Good	Good	Good
Capacitance stability vs. frequency	Very Good	Good	Good
Capacitance variation (batch to batch)	Very Good	Low	Good
High capacitance capability	High	Poor	Poor
Resistance	Good	Very Good	Very Go
Q	Good	Good	Good

VISHAY SMD SILICON-BASED CAPACITOR KITS

- Kit 01 Contains 20 pieces each of 16 values from 1.2pF-22pF.
- Kit 02 Contains 20 pieces each of 32 values from 0.6pF-180pF.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Range of Values Per Kit (pF)	Price Each 1	2
75—	HPC0402AKIT01	1.2, 1.5, 1.8, 2.2, 2.7, 3.3, 3.9, 4.7, 5.6, 6.8, 8.2, 10, 12, 15, 18, 22	130.00	122.00
75—	HPC0402AKIT02	0.6, 0.7, 0.8, 0.9, 1.0, 1.2, 1.5, 1.8, 2.2, 2.7, 3.3, 3.9, 4.7, 5.6, 6.8, 8.2, 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180	260.00	245.00



AVX Niobium Oxide Capacitors and Supercapacitors

NIOBIUM OXIDE CAPACITORS

rsus performance is a key requirement for consumer electronic products. A new solid electrolyte capacitor OxiCap has been developed by AVX in standard EIA case sizes in order to meet this requirement as a higher ance alternative to aluminum and other SMD capacitor technologies currently on the market. The OxiCap non-burn technology is based on NbO niobium oxide ceramic material as the anodic material processed through e manufacturing process as tantalum capacitors. Electrical parameters are similar to generic standard and low ESR tantalum. The laser coded orange molded body gives total traceability.

cations:

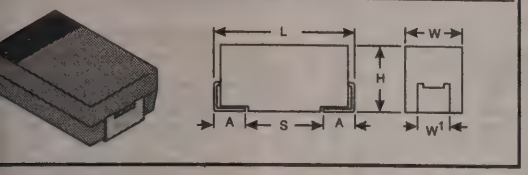
ting temperature range: NOJ series -55°C to +105°C derated
NOS series -55°C to +125°C derated
ility: NOJ series 0.5% per 1000 hours at 85°C
NOS series 0.2% per 1000 hours at 85°C

- Capacitance range: 10 ~ 680µF
- Capacitance tolerance: 20%
- Leakage current DCL: 0.02CV

LEAD-FREE
Lead-Free Compatible Component

HALOGEN-FREE COMPOUNDS
Enviromental Friendly Component

DIMENSIONS mm (IN)



Code	EIA Code	L	W	H	W1	A	S Min.
A	3216	3.2 (0.126)	1.6 (0.063)	1.6 (0.063)	1.2 (0.031)	0.8 (0.031)	1.1 (0.043)
B	3528	3.5 (0.138)	2.8 (0.110)	1.9 (0.075)	2.2 (0.087)	0.8 (0.031)	1.4 (0.055)
C	6032	6.0 (0.236)	3.2 (0.126)	2.6 (0.102)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
D	7343-31	7.3 (0.287)	4.3 (0.169)	2.9 (0.114)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
E	7343-43	7.3 (0.287)	4.3 (0.169)	4.1 (0.162)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)

OxiCap™ NOJ Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	Case Size	DCL (µA) Max.	DF % (µA) Max.	ESR (Ω) @ 100 kHz	Price Each 1	Price Each 50	Price Each 100	Tape and Reel Qty per Reel	Tape and Reel Price Each
@ 85°C (2.7 Vdc @ 105°C)											
OJA156M004	NOJA156M004RWJ	15	A	1.2	6	4.0	.39	.29	.27	2000	.16
OJB226M004	NOJB226M004RWJ	22	B	1.8	6	2.5	.39	.29	.27	2000	.16
OJB336M004	NOJB336M004RWJ	33	B	2.6	6	2.8	.57	.43	.39	2000	.24
OJB476M004	NOJB476M004RWJ	47	B	3.8	6	2.4	.58	.44	.40	2000	.25
OJC476M004	NOJC476M004RWJ	47	C	3.8	6	1.8	.77	.58	.53	500	.44
OJC686M004	NOJC686M004RWJ	68	C	5.4	6	1.6	.77	.58	.53	500	.44
OJC107M004	NOJC107M004RWJ	100	C	8.0	6	1.3	.90	.67	.62	500	.52
OJC157M004	NOJC157M004RWJ	150	C	12.0	6	1.3	1.40	1.05	.96	500	.81
OJD227M004	NOJD227M004RWJ	220	D	17.6	8	0.9	1.48	1.11	1.02	500	.85
OJD337M004	NOJD337M004RWJ	330	D	26.4	8	0.9	5.04	3.78	3.47	500	2.90
OJE477M004	NOJE477M004RWJ	470	E	37.6	12	0.9	5.58	4.18	3.83	400	2.79
dc @ 85°C (4.2 Vdc @ 105°C)											
OJA106M006	NOJA106M006RWJ	10	A	1.2	6	4.0	.35	.26	.24	2000	.15
OJB156M006	NOJB156M006RWJ	15	B	1.8	6	2.5	.55	.43	.39	2000	.18
OJB226M006	NOJB226M006RWJ	22	B	2.6	6	2.5	.42	.32	.29	2000	.17
OJB336M006	NOJB336M006RWJ	33	B	4.0	6	2.2	.42	.32	.29	2000	.18
OJC336M006	NOJC336M006RWJ	33	C	4.0	6	1.8	.77	.58	.53	500	.44
OJC476M006	NOJC476M006RWJ	47	C	5.6	6	1.6	.77	.58	.53	500	.44
OJC686M006	NOJC686M006RWJ	68	C	8.2	6	1.5	.96	.72	.66	500	.55
OJD107M006	NOJD107M006RWJ	100	D	12.0	6	0.9	1.05	.91	.80	500	.40
OJD157M006	NOJD157M006RWJ	150	D	18.0	6	0.9	1.25	1.08	.95	500	.45
OJE227M006	NOJE227M006RWJ	220	E	26.4	12	0.9	2.89	2.17	1.99	400	1.09
OJE337M006	NOJE337M006RWJ	330	E	39.6	12	0.9	3.93	3.24	2.97	400	1.42

OxiCap™ NOS Low ESR Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	Case Size	DCL (µA) Max.	DF % (µA) Max.	ESR (mΩ) @ 100 kHz	Price Each 1	Price Each 50	Price Each 100	Tape and Reel Qty per Reel	Tape and Reel Price Each
@ 85°C (2.7 Vdc @ 105°C)											
OSC107M004	NOSC107M004R0150	100	C	8.0	6	150	1.77	1.33	1.22	500	1.02
OSC157M004	NOSC157M004R0150	150	C	12.0	6	150	1.88	1.41	1.29	500	1.08
OSD227M004	NOSD227M004R0100	220	D	17.6	8	100	2.88	2.16	1.98	500	1.66
OSD337M004	NOSD337M004R0100	330	D	26.4	8	100	3.08	2.88	2.69	500	2.50
OSE477M004	NOSE477M004R0100	470	E	37.6	12	100	3.00	2.81	2.62	400	2.44
dc @ 85°C (4.2 Vdc @ 105°C)											
OSD107M006	NOSD107M006R0100	100	D	12.6	6	100	2.35	2.01	1.78	500	.85

BESTCAP SUPERCAPACITORS

Cap™ series of electrochemical supercapacitors offer excellent high power pulse characteristics based upon the combination of very high capacitance and ultra low ESR in the milliohm region. Supercapacitors have rapidly recognized as an excellent compromise between "electronic" capacitors such as ceramic, tantalum, film and aluminum electrolytic, and batteries, but also a technology for providing a unique combination of characteristics, ly very high energy, power and capacitance densities.

e:

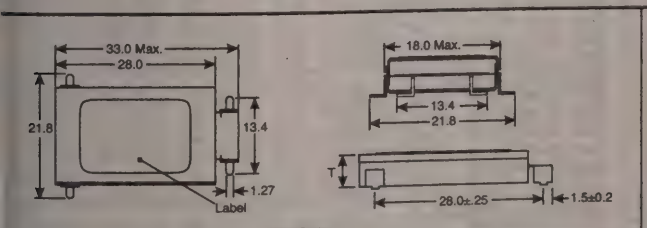
pecific capacitance
w ESR
rofile

- Non poler
- Low leakage
- High power pulse capability

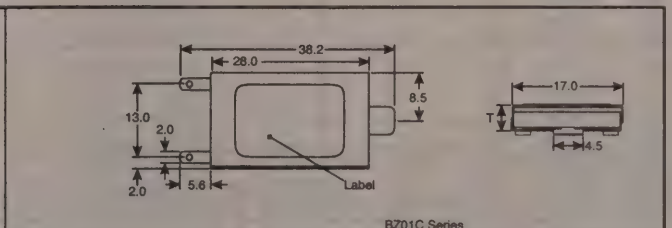
Applications:

- Memory back up
- Laser systems
- Wireless alarm systems
- GSM/GPRS wireless communication products
- ADSL/xDSL and other communication equipment
- Hybrid battery packs

DIMENSIONS mm



BZ015 Series



BZ01C Series

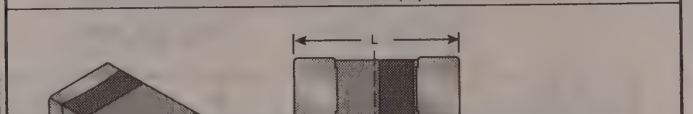
For quantities of 50 and up, call for quote.

MOUSER TOCK NO.	AVX Part No.	Rating (Vdc)	Value (mF)	ESR (mΩ) @ 1kHz	DCL (µA) Max.	Case Size	Thickness "T" Max.	Price Each 1	Price Each 5	Price Each 10	Price Each 25
Z015A503ZLB	BZ015A503ZLB	5.5	50	160	5	28x17	3.5 mm	21.50	17.20	15.05	12.90
Z015A603ZLB	BZ015A603ZLB	5.5	60	80	10	28x17	4.8 mm	27.50	22.00	19.25	16.50
Z015A104ZLB	BZ015A104ZLB	5.5	100	80	10	28x17	6.1 mm	27.50	22.00	19.25	16.50
Z01CA223ZSB	BZ01CA223ZSB	12	22	350	5	28x17	6.5 mm	37.50	30.00	26.25	22.50

AVX TACMICROCHIP™ MINIATURE, LOW ESR

The world's smallest surface mount Tantalum capacitor, small enough to create space providing room for ideas to grow. TACmicrochip is a major breakthrough in miniaturization without reduction in performance. It offers you the highest energy store in an 0402, 0603, or 0805 case size; enhanced high frequency operation through unique ESR performance with temperature and voltage stability. 125˚C derate voltage 33%

DIMENSIONS mm (IN)



Packaging Suffix

Reel Size	Standard Tin Termination Plastic Tape 1206/0805/0603	Standard Tin Termination Paper Tape 0402
41/4	Xxx	Qxx

XTA-Std. termination (Nickel & Tin) supplied on plastic embossed tape on a 4mm pitch in a 4.25" diameter reel.

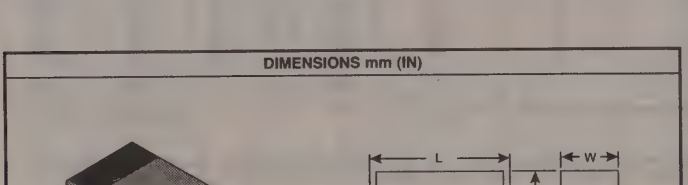
QTA-Std. termination (Nickel &Tin) supplied on punched paper tape on a 2mm pitch in a 4.25" diameter reel.

Code	EIA Code	EIA Metric	Length (L)	Width (W)	Height (H)	Termination Spacing (S)	Termination Length (Lt)	Quantity Per Reel
K	0402	1005-05	1.00 (0.039)	0.50 (0.020)	0.50 (0.020)	0.40 min.	0.10 (0.004)	1000
L	0603	4608-08	1.60 (0.063)	0.85 (0.033)	0.85 (0.033)	0.65 min.	0.15 (0.006)	500
R	0805	2012-12	2.00 (0.079)	1.35 (0.053)	1.35 (0.053)	0.85 min.	0.15 (0.006)	500

AVX 125˚C STANDARD TANTALUM CHIP CAPACITORS

The TAJ standard series encompasses the five key sizes recognized by major OEMs throughout the world. The V case size has been added to the TAJ range to allow high CVs to be offered. The operational temperature is -55°C to +85°C at rated voltage and up to +125°C with voltage derated 33% in applications utilizing recommended series resistance.

DIMENSIONS mm (IN)



Code	EIA Code	L±0.2(0.008)	W+0.2(0.008) -0.1(0.008)	H+0.2(0.008) -0.1(0.004)	W1 ± 0.2 (0.008)	A+0.3(0.012) -0.2(0.008)	S Min.
A	3216	3.2 (0.126)	1.6 (0.063)	1.6 (0.063)	1.2 (0.031)	0.8 (0.031)	1.1 (0.043)
B	3528	3.5 (0.138)	2.8 (0.110)	1.9 (0.075)	2.2 (0.087)	0.8 (0.031)	1.4 (0.055)
C	6032	6.0 (0.236)	3.2 (0.126)	2.6 (0.102)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
D	7343	7.3 (0.287)	4.3 (0.169)	2.9 (0.114)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
V	7361	7.3 (0.287)	6.1 (0.24)	3.45±.3 2.4 (0.136±0.012)	3.1 (0.12)	1.4 (0.055)	4.4 (0.173)

W1 dimension applies to the termination width for A dimensional area only.

Style 0402

For quantities of 2000 and up, call for quo

MOUSER STOCK NO.	Mfr. Part No.	Volt (DC) 85˚	Value (µF)	Tol. ± (%)	ESR Max. Ohm @100kHz	Price Each 1	50	100	500	Reel Packa 1000
581—TACK475M003Q		3	4.7	20	20	3.70	2.96	2.59	2.37	2.22
581—TACK105M006Q		6.3	1.0	20	10	3.70	2.96	2.59	2.37	2.22
581—TACK225M006Q		6.3	2.2	20	10	3.70	2.96	2.59	2.37	2.22
581—TACK474M010Q		10	0.47	20	20	3.70	2.96	2.59	2.37	2.22

Style 0603

For quantities of 2000 and up, call for quo

MOUSER STOCK NO.	Mfr. Part No.	Volt (DC) 85˚	Value (µF)	Tol. ± (%)	ESR Max. Ohm @100kHz	Price Each 1	50	100	Reel Package 500	1000
581—TACL685K004X		4	6.8	10	10	1.63	1.30	1.14	1.04	.98
581—TACL106M004X		4	10	20	10	1.63	1.30	1.14	1.04	.98
581—TACL475K006X		6.3	4.7	10	10	1.63	1.30	1.14	1.04	.98
581—TACL474K010X		10	.47	10	12	1.63	1.30	1.14	1.04	.98
581—TACL684K010X		10	.68	10	20	1.63	1.30	1.14	1.04	.98
581—TACL155K010X		10	1.5	10	10	1.63	1.30	1.14	1.04	.98
581—TACL225K010X		10	2.2	10	10	1.63	1.30	1.14	1.04	.98
581—TACL335K010X		10	3.3	10	10	1.63	1.30	1.14	1.04	.98
581—TACL475M010X		10	4.7	20	6.0	1.63	1.30	1.14	1.04	.98
581—TACL105K016X		16	1.0	10	10	1.63	1.30	1.14	1.04	.98

Style 0805

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Mfr. Part No.	Volt (DC) 85˚	Value (µF)	Tol. ± (%)	ESR Max. Ohm @100kHz	Price Each 1	50	100	Reel Packag 500	100
581—TACR476K003X		3	47	10	6.0	2.13	1.70	1.49	1.36	1.2
581—TACR686M003X		3	68	20	6.0	2.13	1.70	1.49	1.36	1.2
581—TACR336K004X		4	33	10	6.0	2.13	1.70	1.49	1.36	1.2
581—TACR226K006X		6.3	22	10	6.0	2.13	1.70	1.49	1.36	1.2
581—TACR335K010X		10	3.3	10	6.0	2.13	1.70	1.49	1.36	1.2
581—TACR475K010X		10	4.7	10	6.0	2.13	1.70	1.49	1.36	1.2
581—TACR685K010X		10	6.8	10	6.0	2.13	1.70	1.49	1.36	1.2
581—TACR106K010X		10	10	10	6.0	2.13	1.70	1.49	1.36	1.2
581—TACR156K010X		10	15	10	6.0	2.13	1.70	1.49	1.36	1.2

TAJ Series

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	AVX Part Number	Value (µF)	Case Size	Price Each 1	100	200	Tape and Reel Qty.	Price/Ea
10 Volt 10% Tolerance								
581-TAJA225K010	TAJA225K010R	2.2	A	.32	.28	.26	2000	.14
581-TAJA335K010	TAJA335K010R	3.3	A	.33	.29	.27	2000	.15
581-TAJA475K010	TAJA475K010R	4.7	A	.33	.29	.27	2000	.15
581-TAJA685K010	TAJA685K010R	6.8	A	.36	.32	.29	2000	.16
581-TAJB106K010	TAJB106K010R	10	B	.44	.39	.36	2000	.19
581-TAJB156K010	TAJB156K010R	15	B	.47	.41	.38	2000	.21
581-TAJD476K010	TAJD476K010R	47	D	1.28	1.12	1.04	500	.56
581-TAJD107K010	TAJD107K010R	100	D	1.56	1.37	1.27	500	.68
581-TAJV337K010	TAJV337K010R	330	V	5.55	4.62	3.70	400	3.24
581-TAJV477K010	TAJV477K010R	470	V	5.55	4.62	3.70	400	3.24
16 Volt 10% Tolerance								
581-TAJA105K016	TAJA105K016R	1	A	.32	.28	.26	2000	.14
581-TAJA225K016	TAJA225K016R	2.2	A	.33	.29	.27	2000	.15
581-TAJA335K016	TAJA335K016R	3.3	A	.33	.29	.27	2000	.15
581-TAJB475K016	TAJB475K016R	4.7	B	.44	.39	.36	2000	.19
581-TAJB685K016	TAJB685K016R	6.8	B	.44	.39	.36	2000	.19
581-TAJB106K016	TAJB106K016R	10	B	.47	.41	.38	2000	.21
581-TAJC156K016	TAJC156K016R	15	C	.76	.67	.62	500	.33
581-TAJD476K016	TAJD476K016R	47	D	1.34	1.17	1.09	500	.59
20 Volt 10% Tolerance								
581-TAJA105K020	TAJA105K020R	1	A	.32	.28	.26	2000	.14
581-TAJA335K020	TAJA335K020R	3.3	A	.38	.33	.31	2000	.17
581-TAJB475K020	TAJB475K020R	4.7	B	.44	.39	.36	2000	.19
581-TAJC106K020	TAJC106K020R	10	C	.76	.67	.62	500	.33
581-TAJD226K020	TAJD226K020R	22	D	1.34	1.17	1.09	500	.59
25 Volt 10% Tolerance								
581-TAJA474K025	TAJA474K025R	0.47	A	.80	.70	.65	2000	.35
581-TAJA105K025	TAJA105K025R	1	A	.33	.29	.27	2000	.15
581-TAJB225K025	TAJB225K025R	2.2	B	.44	.39	.36	2000	.19
581-TAJC475K025	TAJC475K020R	4.7	C	.74	.65	.60	500	.32
581-TAJC106K025	TAJC106K025R	10	C	.85	.75	.69	500	.37
581-TAJV107K025	TAJV107K025R	100	V	5.55	4.62	3.70	400	3.24
35 Volt 10% Tolerance								
581-TAJA104K035	TAJA104K035R	0.1	A	.80	.70	.65	2000	.35
581-TAJA474K035	TAJA474K035R	0.47	A	.80	.70	.65	2000	.35
581-TAJB105K035	TAJB105K035R	1	B	.44	.39	.36	2000	.19
581-TAJB225K035	TAJB225K035R	2.2	B	.53	.46	.43	2000	.23
581-TAJC225K035	TAJC225K035R	2.2	C	.74	.65	.60	500	.32
581-TAJD475K035	TAJD475K035R	4.7	D	1.28	1.12	1.04	500	.56
581-TAJD106K035	TAJD106K035R	10	D	1.34	1.17	1.09	500	.59
50 Volt 10% Tolerance								
581-TAJA104K050	TAJA104K050R	0.1	A	.80	.70	.65	2000	.35
581-TAJV226K050	TAJV226K050	22	V	5.55	4.62	3.70	400	3.24

MOUSER ELECTRONICS a ttl company

TPS SERIES III 125°C TANTALUM CHIP CAPACITORS

eres:

- ESR levels previously only seen by other technologies.
- itional Mno2 technologies guarantees excellent line
- field performance, humidity stability and high
- trical and thermal stress resistance.

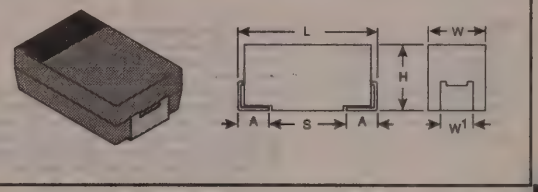
ifications:

- acitance Range: 1.0uF to 1000uF
- acitance Tolerance: ±10%, ±20%
- perature Range: -55 °C to +125°C
- age listed is at 85°C, Derate 33% @ 125°C

Code	EIA Code	L	W	H
A	3216	3.2 (0.126)	1.6 (0.063)	1.6 (0.063)
B	3528	3.5 (0.138)	2.8 (0.110)	1.9 (0.075)
C	6032	6.0 (0.236)	3.2 (0.126)	2.6 (0.102)
D	7343	7.3 (0.287)	4.3 (0.169)	2.9 (0.114)
E	7343H	7.3 (0.287)	4.3 (0.169)	4.1 (0.162)
V	7361	7.3 (0.287)	6.1 (0.240)	3.45 (0.136)
Y**	7343L	7.3 (0.287)	4.3 (0.169)	2.0 (0.079)

** low profile version

DIMENSIONS mm (IN)



For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part Number	Value (µF)	Tol. +/-	Case Size	ESR Max. (mΩ) @ 100 kHz	Price Each 1	Price Each 100	Reel Qty.	Price Per Piece
c								
-TPSD227K004R0100	220	10%	D	100	2.94	2.73	500	2.52
-TPSD477K004R0045	470	10%	D	45	5.40	4.50	500	3.60
-TPSD687K004R0100	680	10%	D	100	9.07	8.42	500	7.77
-TPSV108K004R0040	1000	10%	V	40	13.13	12.19	400	11.25
/dc								
-TPSA685K006R1800	6.8	10%	A	1800	.70	.65	2000	.36
-TPSA106K006R1500	10	10%	A	1500	.60	.50	2000	.32
-TPSA156K006R1500	15	10%	A	1500	.70	.65	2000	.36
-TPSA226K006R0500	22	10%	A	500	.70	.65	2000	.36
-TPSB476K006R0250	47	10%	B	250	.75	.63	2000	.43
-TPSB686K006R0500	68	10%	B	500	.75	.63	2000	.43
-TPSB107K006R0400	100	10%	B	400	.75	.63	2000	.43
-TPSY107K006R0100	100	10%	Y	100	4.38	4.06	1000	3.13
-TPSC157K006R0150	150	10%	C	150	1.86	1.72	500	1.59
-TPSD227K006R0100	220	10%	D	100	2.52	2.10	500	1.51
-TPSY227K006R0100	220	10%	Y	100	4.38	4.06	1000	3.13
-TPSD337M006R0045	330	20%	D	45	8.55	7.13	500	5.13
-TPSE337K006R0100	330	10%	E	100	6.24	5.20	400	3.74
-TPSE477M006R0045	470	20%	E	45	7.95	6.63	400	4.77
-TPSE477K006R0100	470	10%	E	100	7.98	7.41	400	6.84
-TPSV477K006R0055	470	10%	V	55	9.15	7.63	400	5.49
-TPSV477K006R0100	470	10%	V	100	9.98	9.26	400	8.55
-TPSE687K006R0100	680	10%	E	100	7.88	7.31	400	6.75
dc								
-TPSA475K010R1400	4.7	10%	A	1400	.60	.50	2000	.32
-TPSA685K010R1800	6.8	10%	A	1800	.70	.65	2000	.36
-TPSA106K010R1800	10	10%	A	1800	.62	.51	2000	.33
-TPSA156K010R1000	15	10%	A	1000	.60	.50	2000	.32
-TPSB226K010R0400	22	10%	B	400	.88	.81	2000	.45
-TPSB336K010R0425	33	10%	B	425	.88	.81	2000	.45
-TPSB476K010R0650	47	10%	B	650	.75	.63	2000	.40
-TPSB476K010R0350	47	10%	B	350	.88	.81	2000	.45
-TPSC476K010R0350	47	10%	C	350	1.26	1.05	500	.76
-TPSC686K010R0300	68	10%	C	300	1.82	1.69	500	1.56
-TPSD686K010R0150	68	10%	D	150	2.24	2.08	500	1.92
-TPSD686K010R0100	68	10%	D	100	2.63	2.44	500	2.25
-TPSY686K010R0100	68	10%	Y	100	4.38	4.06	1000	3.13
-TPSY686K010R0200	68	10%	Y	200	4.38	4.06	1000	3.13
-TPSC107K010R0100	100	10%	C	100	1.50	1.25	500	.90
-TPSC107M010R0075	100	20%	C	75	1.65	1.38	500	.99
-TPSC107K010R0150	100	10%	C	150	1.75	1.63	500	1.50
-TPSC107K010R0200	100	10%	C	200	2.83	2.36	500	1.70
-TPSD107K010R0150	100	10%	D	150	1.75	1.63	500	1.50
-TPSD107K010R0100	100	10%	D	100	2.34	1.95	500	1.40
-TPSD107M010R0080	100	20%	D	80	2.40	2.00	500	1.44
-TPSD107K010R0080	100	10%	D	80	2.94	2.73	500	2.52
-TPSE107K010R0125	100	10%	E	125	6.90	6.40	400	5.91
-TPSY107M010R0100	100	20%	Y	100	3.69	3.08	1000	2.09
-TPSY107K010R0100	100	10%	Y	100	4.38	4.06	1000	3.13
-TPSY107K010R0200	100	10%	Y	200	4.38	4.06	1000	3.13
-TPSD157K010R0100	150	10%	D	100	2.52	2.10	500	1.51
-TPSY157K010R0150	150	10%	Y	150	1.75	1.63	1000	1.25
-TPSD227K010R0100	220	10%	D	100	4.95	4.13	500	2.97
-TPSE227K010R0100	220	10%	E	100	6.24	5.20	400	3.74
-TPSE227K010R0125	220	10%	E	125	7.14	6.63	400	6.12
-TPSE227K010R0060	220	10%	E	60	8.93	8.29	400	7.65
-TPSE227K010R0070	220	10%	E	70	8.93	8.29	400	7.65
-TPSY227K010R0150	220	10%	Y	150	4.38	4.06	1000	3.13
-TPSY227K010R0200	220	10%	Y	200	4.38	4.06	1000	3.13
-TPSD337K010R0100	330	10%	D	100	7.65	6.38	500	4.59
-TPSD337K010R0150	330	10%	D	150	8.05	7.48	500	6.90
-TPSE337K010R0040	330	10%	E	40	10.68	9.91	400	9.15
-TPSV337K010R0060	330	10%	V	60	9.15	7.63	400	5.49
-TPSE477K010R0200	470	10%	E	200	8.93	8.29	400	7.65
-TPSE477K010R0045	470	10%	E	45	9.90	8.25	400	5.94
-TPSE477K010R0050	470	10%	E	50	11.03	10.24	400	9.45
-TPSV477K010R0100	470	10%	V	100	10.78	10.01	400	9.24
-TPSV477K010R0040	470	10%	V	40	11.03	10.24	400	9.45
c								
TPSA225K016R1800	2.2	10%	A	1800	.70	.65	2000	.36
TPSA335K016R3500	3.3	10%	A	3500	.72	.67	2000	.37
TPSA475K016R2000	4.7	10%	A	2000	.60	.50	2000	.32
TPSB475K016R1500	4.7	10%	B	1500	.88	.81	2000	.45
TPSA685K016R1500	6.8	10%	A	1500	.70	.65	2000	.36
TPSB106K016R0800	10	10%	B	800	.75	.63	2000	.40
TPSC106K016RC500	10	10%	C	500	1.20	1.00	500	.80
TPSB226K016R0600	22	10%	B	600	.75	.63	2000	.40
TPSC226K016R0375	22	10%	C	375	1.26	1.05	500	.76
TPSC226K016R0300	22	10%	C	300	1.65	1.53	500	1.41
TPSC226K016R0250	22	10%	C	250	1.72	1.59	500	1.47
TPSC336K016R0225	33	10%	C	225	1.58	1.46	500	1.35
581—TPSY336K016R0300	33	10%	Y	300	4.38	4.06	1000	3.13
581—TPSY336K016R0400	33	10%	Y	400	4.38	4.06	1000	3.13
581—TPSC476K016R0350	47	10%	C	350	1.53	1.28	500	.92
581—TPSD476K016R0150	47	10%	D	150	2.34	1.95	500	1.40
581—TPSD476K016R0200	47	10%	D	200	2.66	2.47	500	2.28
581—TPSD476K016R0100	47	10%	D	100	2.77	2.57	500	2.37
581—TPSY476K016R0250	47	10%	Y	250	4.38	4.06	1000	3.13
581—TPSY686K016R0200	68	10%	Y	200	4.38	4.06	1000	3.13
581—TPSD107K016R0125	100	10%	D	125	2.52	2.10	500	1.51
581—TPSD107K016R0150	100	10%	D	150	2.94	2.73	500	2.52
581—TPSY107K016R0150	100	10%	Y	150	4.38	4.06	1000	3.13
581—TPSY107K016R0200	100	10%	Y	200	4.38	4.06	1000	3.13
581—TPSD157K016R0125	150	10%	D	125	6.93	6.44	500	5.94
581—TPSE157K016R0100	150	10%	E	100	6.13	5.69	400	5.25
581—TPSV157K016R0045	150	10%	V	45	11.38	10.56	400	9.75
581—TPSE227K016R0150	220	10%	E	150	7.00	6.50	400	6.00
581—TPSV227K016R0075	220	10%	V	75	9.45	7.88	400	5.67
20 Vdc								
581—TPSA105K020R3000	1	10%	A	3000	.70	.65	2000	.36
581—TPSA335K020R2500	3.3	10%	A	2500	.70	.65	2000	.36
581—TPSA475K020R1800	4.7	10%	A	1800	.72	.67	2000	.37
581—TPSB475K020R1000	4.7	10%	B	1000	.88	.81	2000	.45
581—TPSC685K020R0700	6.8	10%	C	700	1.05	.98	500	.90
581—TPSC106K020R0700	10	10%	C	700	1.47	1.37	500	1.26
581—TPSC106K020R0500	10	10%	C	500	1.54	1.43	1000	1.10
581—TPSC156K020R0400	15	10%	C	400	1.47	1.37	500	1.26
581—TPSC156K020R0450	15	10%	C	450	1.47	1.37	500	1.26
581—TPSD226K020R0300	22	10%	D	300	2.70	2.50	500	2.31
581—TPSC336K020R0300	33	10%	C	300	1.59	1.48	500	1.37
581—TPSD336K020R0100	33	10%	D	100	2.94	2.73	500	2.52
581—TPSD476K020R0100	47	10%	D	100	2.63	2.44	500	2.25
581—TPSE476K020R0250	47	10%	E	250	7.74	7.18	400	6.63
581—TPSE476K020R0200	47	10%	E	200	7.81	7.25	400	6.69
581—TPSE476K020R0125	47	10%	E	125	7.88	7.31	400	6.75
581—TPSE476K020R0070	47	10%	E	70	9.17	8.52	400	7.86
581—TPSD686K020R0200	68	10%	D	200	2.73	2.54	500	2.34
581—TPSE686K020R0150	68	10%	E	150	6.09	5.08	400	3.65
581—TPSE686K020R0200	68	10%	E	200	6.93	6.44	400	5.94
581—TPSE107K020R0200	100	10%	E	200	9.98	9.26	400	8.55
581—TPSV107K020R0085	100	10%	V	85	10.05	8.38	400	6.03
581—TPSV107K020R0200	100	10%	V	200	11.03	10.24	400	9.45
581—TPSV107K020R0100	100	10%	V	100	11.38	10.56	400	9.75
25 Vdc								
581—TPSA684K025R6000	0.68	10%	A	6000	.70	.65	2000	.36
581—TPSB475K025R0700	4.7	10%	B	700	.88	.81	2000	.45
581—TPSB475K025R0900	4.7	10%	B	900	.88	.81	2000	.45
581—TPSC685K025R0700	6.8	10%	C	700	1.09	1.01	500	.93
581—TPSC685K025R0600	6.8	10%	C	600	1.12	1.04	500	.96
581—TPSC685K025R0500	6.8	10%	C	500	1.23	1.14	500	1.05
581—TPSC106K025R0500	10	10%	C	500	1.20	1.00	500	.72
581—TPSC156K025R0300	15	10%	C	300	1.40	1.30	500	1.20
581—TPSD156K025R0300	15	10%	D	300	3.05	2.83	500	2.61
581—TPSD156K025R0100	15	10%	D	100	3.57	3.32	500	3.06
581—TPSD226K025R0200	22	10%	D	200	2.34	1.95	500	1.40
581—TPSD226K025R0300	22	10%	D	300	2.73	2.54	500	2.34
581—TPSE336K025R0200	33	10%	E	200	3.00	2.50	400	1.80
581—TPSE336K025R0100	33	10%	E	100	7.35	6.83	400	6.30
581—TPSE476K025R0125	47	10%	E	125	8.30	7.70	400	7.11
581—TPSV686K025R0150	68	10%	V	150	9.45	7.88	400	5.67
581—TPSV686K025R0095	68	10%	V	95	10.05	8.38	400	6.03
581—TPSV686K025R0200	68	10%	V	200	10.50	9.75	400	9.00
35 Vdc								
581—TPSA334K035R6000	0.33	10%	A	6000	.70	.65	2000	.36
581—TPSB155K035R2500	1.5	10%	B	2500	.88	.81	2000	.45
581—TPSC335K035R0700	3.3	10%	C	700	1.37	1.27	500	1.17
581—TPSD685K035R0400	6.8	10%	D	400	2.84	2.63	500	2.43
581—TPSC156K035R0450	15	10%	C	450	1.40	1.30	500	1.20
581—TPSD226K035R0400	22	10%	D	400	4.20	3.90	500	3.60
581—TPSD226K035R0300	22	10%	D	300	6.65	6.18	500	5.70
581—TPSD226K035R0125	22	10%	D	125	7.88	7.31	500	6.75
581—TPSE226K035R0300	22	10%	E	300	6.09	5.08	400	3.65
581—TPSE336K035R0300	33	10%	E	300	7.32	6.79	400	6.27
581—TPSE476K035R0250	47	10%	E	250	8.16	7.57	400	6.99
50 Vdc								
581—TPSA154K050R9000	0.15	10%	A	9000	.70	.65	2000	.36
581—TPSA224K050R7000	0.22	10%	A	7000	.70	.65	2000	.36
581—TPSC155K050R1500	1.5	10%	C	1500	1.40	1.30	500	1.20
581—TPSD225K050R1200	2.2	10%	D	1200	4.90	4.55	500	4.20
581—TPSD335K050R0800	3.3	10%	D	800	5.08	4.71	500	4.35
581—TPSD475K050R0500	4.7	10%	D	500	5.08	4.71	500	4.35
581—TPSD685K050R0500	6.8	10%	D	500	3.15	2.93	500	2.70

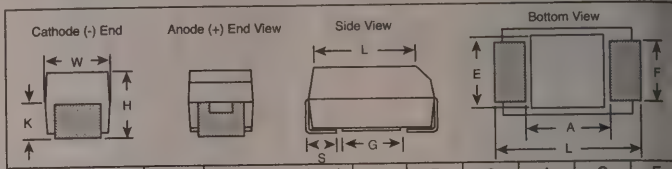
KEMET has developed a new type of tantalum capacitor that replaces the solid manganese dioxide electrode with a solid conductive polymer. This product is named the KO-CAP for KEMET Organic Capacitor. The advantages of the polymer include very low ESR and elimination of the potentially catastrophic failure mode that may occur with standard tantalum capacitors in a high surge current application.

Features:

- Polymer Cathode Technology
- Low ESR
- High Frequency Cap Retention
- No-Ignition Failure Mode
- EIA Standard Case Sizes
- 100% Surge Current Tested
- 20% tolerance

Electrical Specifications:

- Operating Temperature Range: -55°C to +105°C
- Voltage listed is at 85°C, Derate 25% at 105°C
- Reverse Voltage Rating & Polarity:
  Polymer tantalum capacitors are polar devices and may be permanently damaged or destroyed if connected in the wrong polarity. The positive terminal is identified by a laser-marked stripe and may also include a beveled edge. These capacitors will withstand a small degree of transient voltage reversal for short periods. Please note that these parts may not be operated continuously in reverse.



Case Size		Reel	Dimensions (mm)			K	F	S	A	G	E
KEMET	EIA	Qty.	L	W	H	±0.2	±0.1	±0.3	(Min)	(Ref)	(Ref)
B	3528-21	2000	3.5	2.8	1.9	1.1	2.2	0.8	1.1	1.8	2.2
V	7343-20	1000	7.3	4.3	1.9	1.1	2.4	1.3	3.8	3.5	3.5
D	7343-31	500	7.3	4.3	2.8	1.5	2.4	1.3	3.8	3.5	3.5
X	7343-43	500	7.3	4.3	4.0	2.3	2.4	1.3	3.8	3.5	3.5
T	3528-12	2500	3.5	2.8	1.2	0.3	2.2	0.8	3.8	3.5	3.5
V	7343-20	1000	7.3	4.3	4.0	0.9	2.4	1.3	3.8	3.5	3.5

T520 Series

MOUSER STOCK NO.	KEMET Part Number	Volt (DC)	Value (µF)	Case Code	ESR mΩ @ 25°C 100 kHz Max	DC Leakage µA @ 25°C Max	Ripple Current (mA rms)	Price Each 1	Price Each 20	Price Each 100	MOUSER STOCK NO.	Reel Qty.	Price Each
80-T520V477M002	T520V477M002ATE040	2	470	V	40	94	1.8	4.50	3.83	3.38	80-T520V477M002-TR	1000	1.80
80-T520T566M2R5ATE70	T520T566M2R5ATE070	2.5	56	T	70	14	1.0	1.15	1.01	.88	80-T520T566M2RE70-TR	2500	.68
80-T520A686M2R5ATE80	T520A686M2R5ATE080	2.5	68	A	80	17	1.0	.72	.64	.55	80-T520A686M2RE80-TR	2000	.38
80-T520B107M2R5	T520B107M2R5ATE040	2.5	100	B	40	25	1.5	1.30	.98	.78	80-T520B107M2R5-TR	2000	.42
80-T520V227M2R5ATE9	T520V227M2R5ATE009	2.5	220	V	9	55	3.7	3.61	3.19	2.76	80-T520V227M2RE9-TR	1000	2.13
80-T520V227M2R5E15	T520V227M2R5ATE015	2.5	220	V	15	55	2.9	4.00	3.00	2.40	80-T520V227M2RE15-TR	1000	1.60
80-T520V337M2R5ATE9	T520V337M2R5ATE009	2.5	330	V	9	83	3.7	4.25	3.75	3.25	80-T520V337M2RE9-TR	1000	2.50
80-T520V477M2R5ATE9	T520V477M2R5ATE009	2.5	470	V	9	118	3.7	4.25	3.75	3.25	80-T520V477M2RE9-TR	1000	2.50
80-T520D477M2R5ATE9	T520D477M2R5ATE009	2.5	470	D	9	118	4.1	4.25	3.75	3.25	80-T520D477M2RE9-TR	500	3.00
80-T520D687M2R5ATE10	T520D687M2R5ATE010	2.5	680	D	10	170	3.9	4.25	3.75	3.25	80-T520D687M2RE10-TR	500	3.00
80-T520Y687M2R5E25	T520Y687M2R5ATE025	2.5	680	Y	25	272	2.5	5.00	3.75	3.00	80-T520Y687M2RE25-TR	500	2.25
80-T520Y108M2R5ATE15	T520Y108M2R5ATE015	2.5	1000	Y	15	170	3.3	4.68	4.13	3.58	80-T520Y108M2RE15-TR	500	3.30
80-T520B107M3ATE40	T520B107M003ATE040	3	100	B	40	30	1.5	1.11	.98	.85	80-T520B107M3E40-TR	2000	.58
80-T520B107M003	T520B107M003ATE070	3	100	B	70	30	1.1	1.10	.83	.66	80-T520B107M003-TR	2000	.38
80-T520B157M3ATE40	T520B157M003ATE040	3	150	B	40	45	1.5	1.23	1.09	.94	80-T520B157M3E40-TR	2000	.68
80-T520B157M003	T520B157M003ATE070	3	150	B	70	45	1.1	1.25	.94	.75	80-T520B157M003-TR	2000	.48
80-T520V337M3ATE9	T520V337M003ATE009	3	330	V	9	99	3.7	3.83	3.38	2.93	80-T520V337M3E9-TR	1000	2.25
80-T520V337M003	T520V337M003ATE025	3	330	V	25	99	2.2	4.50	3.38	2.70	80-T520V337M003-TR	1000	1.88
80-T520D687M3ATE15	T520D687M003ATE015	3	680	D	15	204	3.2	4.04	3.56	3.09	80-T520D687M3E15-TR	500	2.88
80-T520X108M3E15	T520X108M003ATE015	3	1000	X	15	300	3.3	7.00	6.13	3.50	80-T520X108M3E15-TR	500	2.90
80-T520T156M4ATE100	T520T156M004ATE100	4	15	T	100	6	0.8	1.06	.94	.81	80-T520T156M4E100-TR	2500	.63
80-T520T476M4E70	T520T476M004ATE070	4	47	T	70	19	1	1.35	1.02	.81	80-T520T476M4E70-TR	2500	.43
80-T520B686M4ATE40	T520B686M004ATE040	4	68	B	40	27	1.5	1.11	.98	.85	80-T520B686M4E40-TR	2000	.58
80-T520B686M004	T520B686M004ATE070	4	68	B	70	27	1.1	.94	.83	.72	80-T520B686M004-TR	2000	.58
80-T520B107M4ATE35	T520B107M004ATE035	4	100	B	35	40	1.6	.94	.83	.72	80-T520B107M4E35-TR	2000	.58
80-T520B107M004	T520B107M004ATE070	4	100	B	70	40	1.1	1.30	.98	.78	80-T520B107M004-TR	2000	.48
80-T520B157M4ATE35	T520B157M004ATE035	4	150	B	35	60	1.6	1.23	1.09	.94	80-T520B157M4E35-TR	2000	.68
80-T520V157M4ATE9	T520V157M004ATE009	4	150	V	9	60	3.7	3.61	3.19	2.76	80-T520V157M4E9-TR	1000	2.13
80-T520V157M04E012	T520V157M004ATE012	4	150	V	12	60	3.2	2.55	2.25	1.95	80-T520V157M4E12-TR	1000	1.50
80-T520V227M4ATE9	T520V227M004ATE009	4	220	V	9	88	3.7	2.98	2.63	2.28	80-T520V227M4E9-TR	1000	1.70
80-T520V227M004	T520V227M004ATE045	4	220	V	45	88	1.7	3.19	2.81	2.43	80-T520V227M004-TR	1000	1.68
80-T520D227M4E65	T520D227M004ATE065	4	220	D	65	88	1.5	1.48	1.30	.74	80-T520D227M4E65-TR	500	.68
80-T520D337M4E9	T520D337M004ATE009	4	330	D	9	132	3.7	2.08	1.82	1.04	80-T520D337M4E9-TR	500	.88
80-T520V337M4ATE9	T520V337M004ATE009	4	330	V	9	132	3.7	3.83	3.38	2.93	80-T520V337M4E9-TR	1000	2.25
80-T520D477M4ATE10	T520D477M004ATE010	4	470	D	10	188	3.9	2.47	2.18	1.89	80-T520D477M4E10-TR	500	1.70
80-T520D477M4E15	T520D477M004ATE015	4	470	D	15	188	3.2	2.25	1.99	1.72	80-T520D477M4E15-TR	500	1.50
80-T520D477M004	T520D477M004ATE040	4	470	D	40	188	1.9	1.83	1.61	1.39	80-T520D477M004-TR	500	1.20
80-T520D687M4ATE25	T520D687M004ATE025	4	680	D	25	272	2.4	4.04	3.56	3.09	80-T520D687M4E25-TR	500	2.88
80-T520Y687M4ATE15	T520Y687M004ATE015	4	680	Y	15	272	3.3	4.25	3.75	3.25	80-T520Y687M4E25-TR	500	2.25
80-T520Y687M4E25	T520Y687M004ATE025	4	680	Y	25	272	2.5	4.25	3.75	3.25	80-T520Y687M4E25-TR	500	2.25
80-T520B336M6ATE40	T520B336M006ATE040	6	33	B	40	21	1.5	1.11	.98	.85	80-T520B336M6E40-TR	2000	.58
80-T520B476M6ATE40	T520B476M006ATE040	6	47	B	40	30	1.5	1.11	.98	.85	80-T520B476M6E40-TR	2000	.58
80-T520B476M006	T520B476M006ATE070	6	47	B	70	29	1.1	.94	.83	.72	80-T520B476M006-TR	2000	.58
80-T520B686M006	T520B686M006ATE070	6	68	B	70	43	1.1	.94	.83	.72	80-T520B686M006-TR	2000	.58
80-T520B107M6ATE40	T520B107M006ATE040	6	100	B	40	63	1.5	1.19	1.05	.91	80-T520B107M6E40-TR	2000	.68
80-T520V107M6ATE9	T520V107M006ATE009	6	100	V	9	63	3.7	3.61	3.19	2.76	80-T520V107M6E9-TR	1000	2.13
80-T520V157M6ATE9	T520V157M006ATE009	6	150	V	9	95	3.7	3.83	3.38	2.93	80-T520V157M6E9-TR	1000	2.25
80-T520V157M6E15	T520V157M006ATE015	6	150	V	15	95	2.9	2.60	2.28	1.30	80-T520V157M6E15-TR	1000	1.00
80-T520V157M006	T520V157M006ATE045	6	150	V	45	95	1.7	3.75	2.81	2.44	80-T520V157M006-TR	1000	1.88
80-T520D157M006	T520D157M006ATE055	6	150	D	55	95	1.7	1.85	1.39	1.11	80-T520D157M006-TR	500	.88
80-T520D227M6E15	T520D227M006ATE015	6	220	D	15	139	3.2	1.88	1.65	.94	80-T520D227M6E15-TR	500	.88
80-T520D227M006	T520D227M006ATE050	6	220	D	50	139	1.7	1.85	1.39	1.11	80-T520D227M006-TR	500	.88
80-T520V227M6ATE9	T520V227M006ATE009	6	220	V	9	139	3.7	4.46	3.94	3.41	80-T520V227M6E9-TR	1000	2.63
80-T520D337M6E15	T520D337M006ATE015	6	330	D	15	208	3.2	2.00	1.76	1.53	80-T520D337M6E45-TR	500	1.40
80-T520D337M006	T520D337M006ATE045	6	330	D	45	208	1.8	1.57	1.39	1.20	80-T520D337M006-TR	500	1.18
80-T520Y337M6ATE15	T520Y337M006ATE015	6	330	Y	15	208	3.3	4.04	3.56	3.09	80-T520Y337M6E15-TR	500	2.88
80-T520Y477M6ATE15	T520Y477M006ATE015	6	470	Y	15	296	3.3	4.04	3.56	3.09	80-T520Y477M6E15-TR	500	2.88
80-T520Y477M6E25	T520Y477M006ATE025	6	470	Y	25	296	2.5	4.04	3.56	3.09	80-T520Y477M6E25-TR	500	2.88
80-T520X477M006	T520X477M006ATE040	6	470	X	40	296	2	10.41	9.19	7.96	80-T520X477M006-TR	500	7.38
80-T520D157M008	T520D157M008ATE025	8	150	D	25	120	2.4	3.40	3.00	2.60	80-T520D157M008-TR	500	2.48
80-T520D227M10ATE25	T520D227M010ATE025	10	220	D	25	220	2.4	2.04	1.80	1.56	80-T520D227M10E25-TR	500	1.48
80-T520B336M010	T520B336M010ATE070	10	33	B	70	33	1.1	.94	.83	.72	80-T520B336M010-TR	2000	.58
80-T520V686M010	T520V686M010ATE060	10	68	V	60	68	1.4	3.19	2.81	2.44	80-T520V686M010-TR	1000	1.88
80-T520V107M10E25	T520V107M010ATE025	10	100	V	25	100	2.2	3.19	2.81	2.44	80-T520V107M10E25-TR	1000	1.88
80-T520D107M010	T520D107M010ATE080	10	100	D	80	100	1.4	1.57	1.39	1.20	80-T520D107M010-TR	500	1.70
80-T520D157M010	T520D157M010ATE055	10	150	D	55	150	1.7	1.57	1.39	1.20	80-T520D157M010-TR	500	1.70
80-T520D227M010	T520D227M010ATE018	10	220	D	18	220	2.9	2.04	1.80	1.56	80-T520D227M010-TR	500	1.48
80-T520X337M010	T520X337M010ATE040	10	330	X	40	330	2	10.41	9.19	7.96	80-T520X337M010-TR	500	7.38
80-T520X337M10E25	T520X337M010ATE025	10	330	X	25	330	2.6	8.50	7.50	6.50	80-T520X337M10E25-TR	500	6.38
80-T520V336M016	T520V336M016ATE060	16	33	V	60	53	1.4	3.83	3.38	2.93	80-T520V336M016-TR	1000	2.25
80-T520D476M016	T520D476M016ATE070	16	47	D	70	75	1.5	2.76	2.44	2.11	80-T520D476M016-TR	500	1.98
80-T520D476M16E35	T520D476M016ATE035	16	47	D	35	75	2.1	2.98	2.63	2.28	80-T520D476M16E35-TR	500	2.28
80-T520V476M16ATE70	T520V476M016ATE070	16	47	V	70	76	1.3	3.83	3.38	2.93	80-T520V476M16E70-TR	1000	2.25
80-T520D156M025	T520D156M025ATE080	25	15	D	80	38	1.4	3.25	2.44	1.95	80-T520D156M025-TR	500	1.68

KEMET

has developed a new type of tantalum capacitor that replaces the solid manganese dioxide electrode with a solid conductive polymer. This product is named the KO-CAP for KEMET Organic Capacitor.
antages of the polymer include very low ESR and elimination of the potentially catastrophic failure mode that may occur with standard tantalum capacitors in a high surge current application.

es for T525:

er Cathode Technology
Maximum temperature capability
requency capacitance retention
gnition failure mode
en free epoxy
p to 90% of rated voltage
derating) for part types ≤ 10 volts
p to 80% of rated voltage
derating) for part types. 10 volts

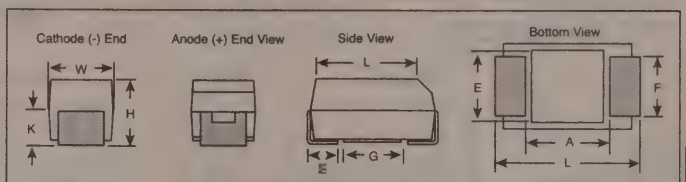
- Operating Temperature Range: -55°C to +125°C
- 100% Accelerated steady state aging
- 100% Surge current testing
- Self-healing mechanism
- Volumetrically efficient
- Extremely stable ESR at 125°C
- EIA standard case size
- RoHS Compliant/Leadfree Termination

LEAD-FREE

es for T530:

st CV in Standard EIA Size
nely low ESR
Max. temperature capability
er Cathode technology
requency capacitance retention
gnition failure mode
d case (pick-and-place precision)
Accelerated steady state aging

- 100% Surge current testing
- Utilizes multiple tantalum anode technology
- Volumetric efficiency
- Use up to 90% of rated voltage (10% Derating)
- Self-healing mechanism



Case Size		Reel	Dimensions (mm)			K	F	S	A	G	E
KEMET	EIA	Qty.	L	W	H	±0.2	±0.1	±0.3	(Min)	(Ref)	(Ref)
B	3528-21	2000	3.5	2.8	1.9	1.1	2.2	0.8	1.1	1.8	2.2
D	7343-31	500	7.3	4.3	2.8	1.5	2.4	1.3	3.8	3.5	3.5
X	7343-43	500	7.3	4.3	4.0	2.3	2.4	1.3	3.8	3.5	3.5
Y	7343-40	500	7.3	4.3	4.0	1.9	2.4	1.3	3.8	3.5	3.5

Series

MOUSER STOCK NO.	KEMET Part Number	Volt (DC)	Value (μF)	Case Code	ESR mΩ @ 25°C 100 kHz Max	DC Leakage μA @ 25°C Max	Ripple Current (mA rms)	Price Each 1	Price Each 20	Price Each 100	MOUSER STOCK NO.	Reel Qty.	Price Each
25T107M2R5ATE80	T525T107M2R5ATE080	2.5	100	T	80	25	0.9	1.15	.95	.81	80-T525T107M2RE80-TR	2500	.74
25D337M2R5ATE25	T525D337M2R5ATE025	2.5	330	D	25	83	2.4	.72	.60	.51	80-T525D337M2RE25-TR	500	.43
25D477M2R5ATE25	T525D477M2R5ATE025	2.5	470	D	25	118	2.4	1.23	1.02	.87	80-T525D477M2RE25-TR	500	.73
25D687M2R5	T525D687M2R5ATE025	2.5	680	D	25	170	2.4	4.98	3.73	2.99	80-T525D687M2R5-TR	500	2.48
25B107M3ATE80	T525B107M003ATE080	3	100	B	80	30	1	3.61	2.98	2.55	80-T525B107M3E80-TR	2000	1.91
25B157M003	T525B157M003ATE080	3	150	B	80	45	1	1.30	.98	.78	80-T525B157M003-TR	500	.65
25D337M3ATE25	T525D337M003ATE025	3	330	D	25	99	2.4	4.25	3.50	3.00	80-T525D337M3E25-TR	500	2.50
25D477M3ATE25	T525D477M003ATE025	3	470	D	25	141	2.4	4.25	3.50	3.00	80-T525D477M3E25-TR	500	2.50
25D687M003	T525D687M003ATE025	3	680	D	25	204	2.4	4.98	3.73	2.99	80-T525D687M003-TR	500	2.24
25T686M4ATE80	T525T686M004ATE080	4	68	T	80	27	0.9	4.25	3.50	3.00	80-T525T686M4E80-TR	2500	2.50
25B686M4ATE80	T525B686M004ATE080	4	68	B	80	28	1	4.25	3.50	3.00	80-T525B686M4E80-TR	2500	2.50
25B107M004	T252B107M004ATE080	4	100	B	80	40	1	1.30	.98	.78	80-T525B107M004-TR	500	.59
25D227M4ATE25	T525D227M004ATE025	4	220	D	25	88	2.4	4.68	3.85	3.30	80-T525D227M4E25-TR	500	2.75
25D337M4ATE25	T525D337M004ATE025	4	330	D	25	132	2.4	1.11	.91	.78	80-T525D337M4E25-TR	500	.65
25D477M4ATE25	T525D477M004ATE025	4	470	D	25	188	2.4	1.23	1.02	.87	80-T525D477M4E25-TR	500	.73
25D477M004	T525D477M004ATE040	4	470	D	40	188	1.9	4.98	3.73	2.99	80-T525D477M004-TR	500	2.48
25B336M6ATE80	T525B336M006ATE080	6	33	B	80	21	1	3.83	3.15	2.70	80-T525B336M6E80-TR	2000	1.80
25T476M6ATE80	T525T476M006ATE080	6	47	T	80	30	0.9	4.04	3.33	2.85	80-T525T476M6E80-TR	2500	2.25
25B476M6ATE80	T525B476M006ATE080	6	47	B	80	30	1	1.06	.88	.75	80-T525B476M6E80-TR	2000	.44
25B686M006	T525B686M006ATE080	6.3	68	B	80	43	1.9	1.30	.98	.78	80-T525B686M006-TR	500	.59
25D157M6ATE25	T525D157M006ATE025	6.3	150	D	25	95	2.4	1.11	.91	.78	80-T525D157M6E25-TR	500	.65
25D227M6ATE25	T525D227M006ATE025	6.3	220	D	25	139	2.4	.94	.77	.66	80-T525D227M6E25-TR	500	.55
25D337M6ATE25	T525D337M006ATE025	6.3	330	D	25	208	2.4	1.23	1.02	.87	80-T525D337M6E25-TR	500	.73
25D377M006	T525D337M006ATE040	6.3	370	D	40	208	1	4.98	4.23	3.73	80-T525D377M006-TR	500	1.81
25B226M10ATE80	T525B226M010ATE080	10	22	B	80	22	1	3.61	2.98	2.55	80-T525B226M10E80-TR	2000	1.70
25D107M10ATE25	T525D107M010ATE025	10	100	D	25	100	2.4	3.83	3.15	2.70	80-T525D107M10E25-TR	500	2.61
25D107M010	T525D107M010ATE055	10	100	D	55	100	1.7	4.98	3.73	2.99	80-T525D107M010-TR	500	2.24
25D157M10ATE25	T525D157M010ATE025	10	150	D	25	150	2.4	2.47	2.03	1.74	80-T525D157M10E25-TR	500	1.45
25D157M010	T525D157M010ATE055	10	150	D	55	150	1.7	4.98	3.73	2.99	80-T525D157M010-TR	500	2.24
25D227M10ATE25	T525D227M010ATE025	10	220	D	25	220	2.4	4.04	3.33	2.85	80-T525D227M10E25-TR	500	2.37
25D476M16ATE35	T525D476M016ATE035	16	47	D	35	76	2.1	4.25	3.50	3.00	80-T525D476M16E35-TR	500	2.50
25D476M016	T525D476M016ATE065	16	47	D	65	75.2	1.5	4.98	3.73	2.99	80-T525D476M016-TR	500	2.24

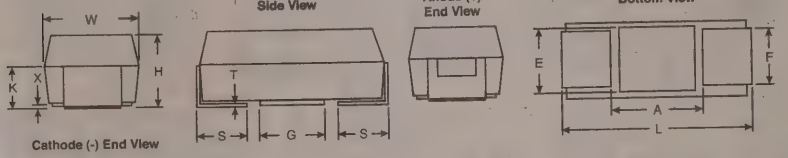
Series

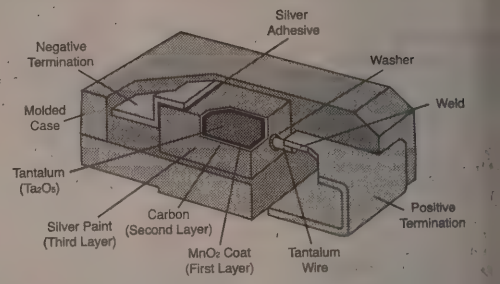
MOUSER STOCK NO.	KEMET Part Number	Volt (DC)	Value (μF)	Case Code	ESR mΩ @ 25°C 100 kHz Max	DC Leakage μA @ 25°C Max	Ripple Current (mA rms)	Price Each 1	Price Each 20	Price Each 100	MOUSER STOCK NO.	Reel Qty.	Price Each
0D477M2R5E6	T530D477M2R5ATE006	2.5	470	D	6	118	6.5	8.40	7.35	4.20	80-T530D477M2RE6-TR	500	3.57
0D567M2R5E5	T530D567M2R5ATE005	2.5	560	D	5	140	7.1	8.80	7.70	4.40	80-T530D567M2RE5-TR	500	3.74
0D687M2R5E10	T530D687M2R5ATE010	2.5	680	D	10	170	6.5	10.25	7.69	6.15	80-T530D687M2RE10-TR	500	4.61
0X108M2R5ATE6	T530X108M2R5ATE006	2.5	1000	X	6	250	6.7	9.80	8.58	7.35	80-T530X108M2RE6-TR	500	3.92
0X158M2R5ATE5	T530X158M2R5ATE005	2.5	1500	X	5	375	7.3	10.40	9.10	7.80	80-T530X158M2RE5-TR	500	4.16
0D687M3ATE10	T530D687M003ATE010	3	680	D	10	204	5	8.20	7.18	6.15	80-T530D687M3E10-TR	500	3.28
0X108M003	T530X108M003ATE010	3	1000	X	10	300	5.2	11.75	8.81	7.05	80-T530X108M003-TR	500	5.29
0X158M003	T530X158M003ATE008	3	1500	X	8	450	5.8	13.00	9.75	7.80	80-T530X158M003-TR	500	5.58
0D337M4ATE6	T530D337M004ATE006	4	330	D	6	132	6.5	8.40	7.35	6.30	80-T530D337M4E6-TR	500	3.36
0D477M004	T530D477M004ATE010	4	470	D	10	188	5	10.25	7.69	6.15	80-T530D477M004-TR	500	4.61
0X687M4ATE6	T530X687M004ATE006	4	680	X	6	272	6.7	9.80	8.58	7.35	80-T530X687M4E6-TR	500	3.92
0X687M004	T530X687M004ATE010	4	680	X	10	272	5.2	11.75	8.81	7.05	80-T530X687M004-TR	500	5.29
0X108M4ATE6	T530X108M004ATE006	4	1000	X	6	400	6.7	9.80	8.58	7.35	80-T530X108M4E6-TR	500	3.92
0D227M6E6	T530D227M006ATE006	6	220	D	6	139	6.5	8.40	7.35	4.20	80-T530D227M6E6-TR	500	3.57
0Y337M6ATE6	T530Y337M006ATE006	6	330	Y	6	208	6.6	8.80	7.70	6.60	80-T530Y337M6E6-TR	500	3.52
0D337M6ATE10	T530D337M006ATE010	6	330	D	10	208	5	8.00	7.00	6.00	80-T530D337M6E10-TR	500	3.20
0X477M6ATE6	T530X477M006ATE006	6	470	X	6	296	6.7	9.80	8.58	7.35	80-T530X477M6E6-TR	500	3.92
0X477M006	T530X477M006ATE010	6	470	X	10	296	5.2	11.75	8.81	7.05	80-T530X477M006-TR	500	5.29
0D157M010E06	T530D157M010ATE006	10	150	D	6	150	6.5	10.50	7.88	6.30	80-T530D157M10E6-TR	500	4.73
0D227M10ATE10	T530D227M010ATE010	10	220	D	10	220	5	8.00	7.00	6.00	80-T530D227M10E10-TR	500	3.20
0X337M010E06	T530X337M010ATE006	10	330	X	6	330	6.7	12.25	9.80	8.57	80-T530X337M10E6-TR	500	4.41
0X337M010	T530X337M010ATE010	10	330	X	10	330	5.2	11.75	8.81	7.05	80-T530X337M010-TR	500	5.29

KEMET T49 Series Low Profile SMD Tantalum Capacitors

Features:

- Meets or exceeds EIA Standard 535BAAC
- taped and Reeled per EIA 481-1
- Symmetrical, Compliant Terminations
- Optional Gold Plated Terminations
- Laser-marked Case
- Refer to KEMET F3102 for performance characteristics and component packaging
- Capacitance: 1.0µF to 330µF
- Tolerance: ±10%, ±20%
- Voltage: 4 - 50 VDC
- Halogen Free Epoxy
- 100% Surge Current test on U, V case sizes





Case Size		Component - Dimensions: mm (IN)										
KEMET	EIA	L	W	H Max.	K Min.	F ±0.1	S ±0.3	X (Ref)	T (Ref)	A (Min)	G (Ref)	E (Ref)
R	2012-12	2.0±0.2 (.079±.008)	1.3±0.2 (.015±.008)	1.2 (.047)	0.3 (.012)	0.9 (.035)	0.5 (.020)	0.05 (.002)	0.13 (.005)	0.8 (.031)	0.5 (.020)	0.8 (.031)
S	3216-12	3.2±0.2 (.126±.008)	1.6±0.2 (.063±.008)	1.2 (.047)	0.3 (.012)	1.2 (.047)	0.8 (.031)	0.05 (.002)	0.13 (.005)	0.8 (.031)	1.1 (.043)	1.3 (.051)
T	3528-12	3.5±0.2 (.138±.008)	2.8±0.2 (.110±.008)	1.2 (.047)	0.3 (.012)	2.2 (.087)	0.8 (.031)	0.05 (.002)	0.13 (.005)	1.1 (.043)	1.8 (.071)	2.2 (.087)
U	6032-15	6.0±0.3 (.236±.012)	3.2±0.3 (.126±.012)	1.5 (.059)	0.5 (.020)	2.2 (.087)	1.3 (.051)	0.05 (.002)	0.13 (.005)	2.5 (.098)	2.8 (.110)	2.4 (.094)
V	7343-20	7.3±0.3 (.287±.012)	4.3±0.3 (.169±.012)	2.0 (.079)	0.09 (.035)	2.4 (.094)	1.3 (.051)	0.05 (.002)	0.13 (.005)	3.8 (.150)	3.5 (.138)	3.5 (.138)

KEMET T491 SERIES

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.± %	Price Each 1	100	500	Reel Qty.	Price per Piece
4 Volt Rating at +85°C (2.7 Volt Rating at +125°C)									
80-T491S106K004	T491S106K004AS	10	S	10	1.23	.98	.80	2500	.46
80-T491T156K004	T491T156K004AS	15	T	10	1.30	1.04	.85	2500	.48
80-T491T336M004	T491T336M004AS	33	T	20	1.48	1.18	.96	2500	.55
80-T491U476K004	T491U476K004AS	47	U	10	2.45	1.96	1.59	1000	1.23
80-T491V157K004	T491V157K004AS	150	V	10	3.05	2.44	1.98	1000	1.53
80-T491V227K004	T491V227K004AS	220	V	10	3.25	2.60	2.11	1000	1.63
80-T491V337M004	T491V337M004AS	330	V	10	3.40	2.72	2.21	1000	1.70
6 Volt Rating at +85°C (4 Volt Rating at +125°C)									
80-T491S475K006	T491S475K006AS	4.7	S	10	1.20	.91	.43	2500	.41
80-T491T106K006	T491T106K006AS	10	T	10	1.30	1.04	.85	2500	.48
80-T491U226K006	T491U226K006AS	22	U	10	2.45	1.96	1.59	1000	1.23
80-T491T336M006	T491T336M006AS	33	T	20	1.55	1.24	1.01	2500	.57
80-T491U476M006	T491U476M006AS	47	U	20	2.30	1.75	.83	1000	.78
80-T491V107K006	T491V107K006AS	100	V	10	3.30	2.09	.99	1000	.92
10 Volt Rating at +85°C (7 Volt Rating at +125°C)									
80-T491S475K010	T491S475K010AS	4.7	S	10	1.23	.98	.80	2500	.45
80-T491T685K010	T491T685K010AS	6.8	T	10	1.30	1.04	.85	2500	.48
80-T491T106K010	T491T106K010AS	10	T	10	1.74	1.31	.52	2500	.49
80-T491U336K010	T491U336K010AS	33	U	10	3.00	2.25	.90	1000	.88
80-T491V476K010	T491V476K010AS	47	V	10	3.05	2.44	1.98	1000	1.53
80-T491V686K010	T491V686K010AS	68	V	10	3.05	2.44	1.98	1000	1.53
80-T491V107K010	T491V107K010AS	100	V	10	3.25	2.60	2.11	1000	1.63
16 Volt Rating at +85°C (10 Volt Rating at +125°C)									
80-T491S225K016	T491S225K016AS	2.2	S	10	1.20	1.08	.43	2500	.42
80-T491T475K016	T491T475K016AS	4.7	T	10	1.56	1.17	.47	2500	.44
80-T491U106K016	T491U106K016AS	10	U	10	2.94	2.21	.88	2500	.86
80-T491U106M016	T491U106M016AS	10	U	20	2.50	1.86	.76	1000	.74
80-T491T106M016	T491T106M016AS	10	T	20	2.50	1.86	.76	2500	.74
80-T491U226K016	T491U226K016AS	22	U	10	3.00	2.25	.90	1000	.88
80-T491V476K016	T491V476K016AS	47	V	10	3.05	2.44	1.98	1000	1.53
20 Volt Rating at +85°C (13 Volt Rating at +125°C)									
80-T491R105M020	T491R105M020AS	1.0	M	20	1.11	.89	.83	2500	.80
80-T491U106K020	T491U106K020AS	10	U	10	2.94	2.21	.88	1000	.86
80-T491V226K020	T491V226K020AS	22	V	10	3.66	2.75	1.10	1000	1.07
80-T491V226M020	T491V226M020AS	22	V	20	3.28	2.46	.99	1000	.96
25 Volt Rating at +85°C (17 Volt Rating at +125°C)									
80-T491V226K025	T491V226K025AS	22	V	10	3.25	2.60	2.11	1000	1.63
35 Volt Rating at +85°C (23 Volt Rating at +125°C)									
80-T491V106K035	T491V106K035AS	10	V	10	3.25	2.60	2.11	1000	1.63
50 Volt Rating at +85°C (33 Volt Rating at +125°C)									
80-T491V105M050	T491V105M050AS	1.0	V	20	3.85	3.08	2.50	1000	1.93

KEMET T494 SERIES, LOW PROFILE

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.± %	Price Each 1	100	500	Reel Qty.	Price per Piece
4 Volt (2.7 Volt Rating at +125°C)									
80-T494S106K004	T494S106K004AS	10	S	10	1.50	1.20	.98	2500	.60
80-T494T156K004	T494T156K004AS	15	T	10	1.63	1.30	1.06	2500	.65
80-T494T226K004	T494T226K004AS	22	T	10	2.11	1.44	1.17	2500	.67
80-T494U336K004	T494U336K004AS	33	U	10	3.19	2.55	2.07	1000	1.27
80-T494U476K004	T494U476K004AS	47	U	10	3.19	2.55	2.07	1000	1.27
80-T494V157K004	T494V157K004AS	150	V	10	3.97	3.17	2.58	1000	1.59

KEMET T494 SERIES, LOW PROFILE (CONT.)

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.± %	Price Each 1	100	500	Reel Qty.	Pr p Pi
6 Volt Rating at (4 Volt Rating at +125°C)									
80-T494S685K006	T494S685K006AS	6.8	S	10	1.50	1.20	.98	2500	
80-T494T106K006	T494T106K006AS	10	T	10	1.63	1.30	1.06	2500	
80-T494T156K006	T494T156K006AS	15	T	10	1.80	1.17	.72	2500	
80-T494U226K006	T494U226K006AS	22	U	10	3.19	2.07	1.27	1000	1.
80-T494U336K006	T494U336K006AS	33	U	10	3.19	2.07	1.27	1000	1.
80-T494U476K006	T494U476K006AS	47	U	10	3.25	2.60	2.11	1000	1
80-T494V107K006	T494V107K006AS	100	V	10	3.97	3.17	2.58	1000	1
80-T494V227M006	T494V227M006AS	220	V	20	4.06	3.25	2.64	1000	2
10 Volt Rating at (7 Volt Rating at +125°C)									
80-T494S335K010	T494S335K010AS	3.3	S	10	1.50	1.20	.98	2500	
80-T494T685K010	T494T685K010AS	6.8	T	10	1.63	1.30	1.06	2500	
80-T494T106K010	T494T106K010AS	10	T	10	1.80	1.44	1.17	2500	
80-T494U226K010	T494U226K010AS	22	U	10	3.19	2.55	2.07	1000	1
80-T494V336K010	T494V336K010AS	33	V	10	3.97	3.17	2.58	1000	1
80-T494V476K010	T494V476K010AS	47	V	10	3.97	3.17	2.58	1000	1
80-T494V686K010	T494V686K010AS	68	V	10	3.97	3.17	2.58	1000	1
80-T494V107K010	T494V107K010AS	100	V	10	4.23	3.38	2.75	1000	1
16 Volt Rating at (10 Volt Rating at +125°C)									
80-T494S225K016	T494S225K016AS	2.2	S	10	1.50	1.20	.98	2500	
80-T494T475K016	T494T475K016AS	4.7	T	10	1.63	1.06	.81	1000	
80-T494U106K016	T494U106K016AS	10	U	10	3.19	2.07	1.27	1000	1
80-T494V476K016	T494V476K016AS	47	V	10	3.97	2.58	1.98	1000	1
80-T494V107K016	T494V107K016AS	100	V	10	4.42	2.87	1.77	1000	1
20 Volt Rating at +85°C (13 Volt Rating at +125°C)									
80-T494R105M020	T494R105M020AS	1.0	R	20	1.39	1.11	.90	2500	
80-T494U685K020	T494U685K020AS	6.8	U	10	3.19	2.07	1.27	1000	1
80-T494U106K020	T494U106K020AS	10	U	10	3.19	2.07	1.59	1000	1
80-T494V336M020	T494V336M020AS	33	V	20	3.84	2.49	1.53	1000	1
25 Volt Rating at +85°C (17 Volt Rating at +125°C)									
80-T494V226K025	T494V226K025AS	22	V	10	4.23	2.75	1.69	1000	1
35 Volt Rating at +85°C (23 Volt Rating at +125°C)									
80-T494V106K035	T494V106K035AS	10	V	10	4.23	2.75	1.69	1000	1
50 Volt Rating at +85°C (33 Volt Rating at +125°C)									
80-T494V105M050	T494V105M050AS	1.0	V	20	4.81	3.13	1.93	1000	1

KEMET T495 SERIES, LOW PROFILE SMD, LOW ESR, INDUSTRIAL GRADE

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.± %	Price Each 1	100	500	Reel Qty.
6 Volt Rating at +85°C (4Volt Rating at +125°C)								
80-T495V107K006	T495V107K006AS	100	V	10	4.05	3.24	2.63	1000
10 Volt Rating at +85°C (7Volt Rating at +125°C)								
80-T495V686K010	T495V686K010AS	68	V	10	4.05	3.24	2.63	1000
80-T495V107K010	T495V107K010AS	100	V	10	4.05	3.24	2.63	1000
80-T495V157M010	T495V157M010AS	150	V	20	3.85	3.08	2.50	1000
16 Volt Rating at +85°C (10Volt Rating at +125°C)								
80-T495T106M016	T495T106M016AS	10	T	20	2.00	1.60	1.30	2500
80-T495V686K016	T495V686K016AS	68	V	10	3.95	3.16	2.57	1000

MOUSER ELECTRONICS a ttl company (800) 346-6873

KEMET

MET T491 SERIES SOLID TANTALUM CHIP CAPACITORS

's family of solid tantalum chip capacitors is designed and manufactured with the demanding requirements of surface mount technology in mind. These devices extend the advantages of solid tantalum technology to today's surface ircuit applications. Complementing multilayer ceramic chip convenience with capacitance ratings through 1000 µF, tantalum chip capacitors permit circuit designers to take full advantage of the benefits of surface mount technology.

ries are industrial grade solid chip capacitors. The standard solder-coated terminations provide excellent wetting characteristics and compatibility with today's surface mount solder systems. The symmetrical terminations offer total ncy to provide the thermal and mechanical stress relief required in today's technology. Lead frame attachments to the tantalum pellet are made via a microprocessor-controlled welding operation, and a high temperature silver epoxy e system. Standard packaging of these devices is tape and reel in accordance with EIA 481-1. This system provides perfect compatibility with all tape-fed placement units.

fications:

ral Application Class:
tantalum capacitors are usually applied in circuits where the AC component is small ared to the DC component. Typical uses include blocking, by-passing, decoupling, iltering. They are also used in timing circuits. If two of these polar capacitors are ected "back-to-back" (i.e., negative-to-negative or positive-to-positive), the pair may be in AC application (as a non-polar device).

ating Temperature Range: -55°C to +125°C

Operating Temperature Range: -55°C to +125°C

lum capacitors do not lose capacitance from the "de-forming" effect as do liquid-olytic capacitors. Storage at high temperature may cause a small, temporary increase in ge current (measured under standard conditions), but the original value is usually ed within a few minutes after application of rated voltage.

citance: 0.1µF to 1000µF

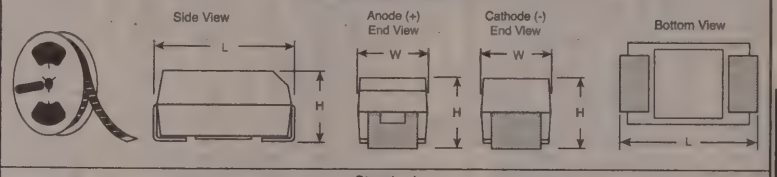
citance is measured at 120Hz, up to 1.0 volt rms maximum and up to 2.5 volts DC num, at +25°C. DC bias causes only a small reduction in capacitance up to about 2% full rated voltage is applied.

ee:

- s or Exceeds EIA Standard 535BAAC
- l and Reeled per EIA 481-1
- netrical, Compliant Terminations
- nal Gold-plated Terminations
- -marked case
- Surge current test on C, D, X sizes
- Tolerance: ±10%, ± 20%
- Extended Range Values

Application Note:
- A higher voltage capacitor may be used in a lower voltage application.

Dimensions mm and (IN)



Standard

Case Code	EIA Code	L	W	H
A	3216-18	3.2 (.126)	1.6 (.063)	1.6 (.063)
B	3528-21	3.5 (.138)	2.8 (.110)	1.9 (.075)
C	6032-28	6.0 (.236)	3.2 (1.26)	2.5 (.098)
D	7343-31	7.3 (.287)	4.3 (.169)	2.8 (.110)
X	7343-43	7.3 (.287)	4.3 (.169)	4.0 (.157)
E	7260-38	7.3 (.287)	6.0 (.236)	3.6 (.142)

Notes: 1. Metric dimensions govern.
2. Mil-C-55365/8 Specified Dimensions

e sizes, tolerances, voltages, values and optional features not in the Mouser catalog, please contact a Mouser Sales Representative.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.± %	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Rating @ 85°C (2 Volt Rating @125°C)								
1A336K003	T491A336K003AT	33	A	10	.22	.17	2000	0.063
Rating @ 85°C (2.7 Volt Rating @125°C)								
1A335K004	T491A335K004AT	3.3	A	10	.18	.14	2000	.09
1A475K004	T491A475K004AT	4.7	A	10	.18	.14	2000	.09
1A685K004	T491A685K004AT	6.8	A	10	.18	.14	2000	.09
1B106K004	T491B106K004AT	10	B	10	.26	.21	2000	.10
1A106K004	T491A106K004AT	10	A	10	.18	.14	2000	.06
1B156K004	T491B156K004AT	15	B	10	.26	.21	2000	.13
1A156K004	T491A156K004AT	15	A	10	.18	.14	2000	.09
1B226K004	T491B226K004AT	22	B	10	.26	.21	2000	.13
1B336K004	T491B336K004AT	33	B	10	.27	.21	2000	.13
1A336K004	T491A336K004AT	33	A	10	.22	.17	2000	.11
1A476M004	T491A476M004AT	47	A	20	.35	.28	2000	.18
1B476K004	T491B476K004AT	47	B	10	.35	.28	2000	.18
1C476K004	T491C476K004AT	47	C	10	.36	.29	500	.23
1D686K004	T491D686K004AT	68	D	10	.60	.48	500	.39
1A686K004	T491A686K004AT	68	A	10	.50	.40	2000	.25
1B107M004	T491B107M004AT	100	B	20	.43	.34	2000	.21
1A107M004	T491A107M004AT	100	A	20	.48	.38	2000	.24
1C107K004	T491C107K004AT	100	C	10	.48	.38	500	.31
1D107K004	T491D107K004AT	100	D	10	.60	.48	500	.39
1D157K004	T491D157K004AT	150	D	10	.60	.48	500	.39
1C157K004	T491C157K004AT	150	C	10	.63	.50	500	.41
1B157M004	T491B157M004AT	150	B	20	.93	.74	2000	.46
1D337K004	T491D337K004AT	330	D	10	.92	.73	500	.59
1D477K004	T491D477K004AT	470	D	10	1.27	1.01	500	.82
1D687M004	T491D687M004AT	680	D	20	4.63	3.70	500	3.01
1E108M004	T491E108M004AT	1000	E	20	9.50	7.60	500	6.18
1X108M004	T491X108M004AT	1000	X	20	6.00	4.80	500	3.90
Rating @ 85°C (4 Volt Rating @ 125°C)								
1A225K006	T491A225K006AT	2.2	A	10	.18	.14	2000	.09
1A335K006	T491A335K006AT	3.3	A	10	.18	.14	2000	.09
1A475K006	T491A475K006AT	4.7	A	10	.18	.14	2000	.09
1B685K006	T491B685K006AT	6.8	B	10	.26	.21	2000	.13
1A106K006	T491A106K006AT	10	A	10	.21	.16	2000	.08
1B106K006	T491B106K006AT	10	B	10	.26	.19	2000	.10
1A156K006	T491A156K006AT	15	A	10	.19	.15	2000	.09
1B226K006	T491B226K006AT	22	B	10	.29	.22	2000	.12
1C226K006	T491C226K006AT	22	C	10	.40	.30	500	.19
1B336K006	T491B336K006AT	33	B	10	.40	.30	2000	.19
1C336K006	T491C336K006AT	33	C	10	.40	.30	500	.19
1B476K006	T491B476K006AT	47	B	10	.33	.26	2000	.17
1C476K006	T491C476K006AT	47	C	10	.43	.32	500	.21
1D686K006	T491D686K006AT	68	D	10	.60	.45	500	.21
1C686K006	T491C686K006AT	68	C	10	.49	.37	500	.17
1B686K006	T491B686K006AT	68	B	10	.43	.34	2000	.21
1C107K006	T491C107K006AT	100	C	10	.71	.54	500	.30
1D107K006	T491D107K006AT	100	D	10	.60	.45	500	.21
1D107M006	T491D107M006AT	100	D	20	.60	.45	500	.21
1B107M006	T491B107M006AT	100	B	20	.48	.38	2000	.24
1D157K006	T491D157K006AT	150	D	10	.79	.59	500	.35
1D227K006	T491D227K006AT	220	D	10	1.03	.77	500	.41
1X227K006	T491X227K006AT	220	X	10	1.98	1.49	500	1.31
1X227M006	T491X227M006AT	220	X	20	1.95	1.48	500	1.30
1D337K006	T491D337K006AT	330	D	10	1.21	.97	500	.79
1X337K006	T491X337K006AT	330	X	10	2.42	1.81	500	1.49
1X337M006	T491X337M006AT	330	X	20	2.40	1.80	500	1.48
1X477K006	T491X477K006AT	470	X	10	2.86	2.15	500	1.65
1E687M006	T491E687M006AT	680	E	20	9.50	7.60	500	6.18
Rating @ 85°C (7 Volt Rating @ 125°C)								
1A155K010	T491A155K010AT	1.5	A	10	.19	.14	2000	.09
1A225K010	T491A225K010AT	2.2	A	10	.19	.14	2000	.07
1A335K010	T491A335K010AT	3.3	A	10	.19	.14	2000	.09
1A475K010	T491A475K010AT	4.7	A	10	.19	.14	2000	.07
1B475K010	T491B475K010AT	4.7	B	10	.26	.19	2000	.10

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.± %	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
10 Volt Rating @ 85°C (7 Volt Rating @ 125°C) - Cont.								
80-T491B475M010	T491B475M010AT	4.7	B	20	.25	.18	2000	.09
80-T491A685K010	T491A685K010AT	6.8	A	10	.21	.16	2000	.10
80-T491A685M010	T491A685M010AT	6.8	A	20	.20	.15	2000	.09
80-T491B685K010	T491B685K010AT	6.8	B	10	.26	.19	2000	.12
80-T491B685M010	T491B685M010AT	6.8	B	20	.26	.19	2000	.12
80-T491A106K010	T491A106K010AT	10	A	10	.26	.14	2000	.09
80-T491B106K010	T491B106K010AT	10	B	10	.26	.19	2000	.10
80-T491B106M010	T491B106M010AT	10	B	20	.25	.18	2000	.09
80-T491C106K010	T491C106K010AT	10	C	10	.40	.30	500	.19
80-T491B156K010	T491B156K010AT	15	B	10	.29	.22	2000	.12
80-T491A156K010	T491A156K010AT	15	A	10	.18	.14	2000	.09
80-T491C156K010	T491C156K010AT	15	C	10	.40	.30	500	.19
80-T491C156M010	T491C156M010AT	15	C	20	.39	.29	500	.18
80-T491A226M010	T491A226M010AT	22	A	20	.24	.19	2000	.12
80-T491B226K010	T491B226K010AT	22	B	10	.40	.30	2000	.19
80-T491B226M010	T491B226M010AT	22	B	20	.39	.29	2000	.18
80-T491C226K010	T491C226K010AT	22	C	10	.40	.30	500	.17
80-T491C226M010	T491C226M010AT	22	C	20	.39	.29	500	.16
80-T491B336K010	T491B336K010AT	33	B	10	.33	.26	2000	.17
80-T491C336K010	T491C336K010AT	33	C	10	.43	.32	500	.23
80-T491C336M010	T491C336M010AT	33	C	20	.42	.31	500	.22
80-T491B476M010	T491B476M010AT	47	B	20	.43	.34	2000	.21
80-T491C476K010	T491C476K010AT	47	C	10	.49	.37	500	.17
80-T491C476M010	T491C476M010AT	47	C	20	.49	.37	500	.17
80-T491D476K010	T491D476K010AT	47	D	10	.60	.45	500	.21
80-T491D476M010	T491D476M010AT	47	D	20	.60	.45	500	.21
80-T491B686M010	T491B686M010AT	68	B	20	.93	.74	2000	.46
80-T491D686K010	T491D686K010AT	68	D	10	.60	.45	500	.21
80-T491C686K010	T491C686K010AT	68	C	10	.71	.54	500	.30
80-T491D686M010	T491D686M010AT	68	D	20	.60	.45	500	.21
80-T491D107K010	T491D107K010AT	100	D	10	.79	.59	500	.33
80-T491D107M010	T491D107M010AT	100	D	20	.78	.58	500	.32
80-T491D157K010	T491D157K010AT	150	D	10	1.03	.77	500	.41
80-T491X157K010	T491X157K010AT	150	X	10	1.65	1.32	500	1.07
80-T491D227K010	T491D227K010AT	220	D	10	1.45	1.09	500	.53
80-T491X227K010	T491X227K010AT	220	X	10	2.42	1.81	500	1.49
80-T491D337M010	T491D337M010AT	330	D	20	2.50	2.00	500	1.63
80-T491X337K010	T491X337K010AT	330	X	10	2.86	2.15	500	1.65
80-T491X337M010	T491X337M010AT	330	X	20	.29	2.14	500	1.64
80-T491E477M010	T491E477M010AT	470	E	20	9.50	7.60	500	6.18
16 Volt Rating @ 85°C (10 Volt Rating @ 125°C)								
80-T491A105K016	T491A105K016AT	1.0	A	10	.19	.14	2000	.07
80-T491A155K016	T491A155K016AT	1.5	A	10	.19	.14	2000	.09
80-T491A225K016	T491A225K016AT	2.2	A	10	.19	.14	2000	.07
80-T491A335K016	T491A335K016AT	3.3	A	10	.19	.14	2000	.07
80-T491B335K016	T491B335K016AT	3.3	B	10	.26	.19	2000	.12
80-T491B335M016	T491B335M016AT	3.3	B	20	.25	.18	2000	.11
80-T491A475K016	T491A475K016AT	4.7	A	10	.21	.16	2000	.08
80-T491B475K016	T491B475K016AT	4.7	B	10	.26	.19	2000	.10
80-T491B475M016	T491B475M016AT	4.7	B	20	.25	.18	2000	.09
80-T491B685K016	T491B685K016AT	6.8	B	10	.26	.19	2000	.10
80-T491A106K016	T491A106K016AT	10	A	10	.17	.13	2000	.08
80-T491B106K016	T491B106K016AT	10	B	10	.29	.22	2000	.12
80-T491B106M016	T491B106M016AT	10	B	20	.28	.21	2000	.11
80-T491C106K016	T491C106K016AT	10	C	10	.40	.30	500	.17
80-T491C106M016	T491C106M016AT	10	C	20	.39	.29	500	.16
80-T491B156K016	T491B156K016AT	15	B	10	.40	.30	2000	.19
80-T491C156K016	T491C156K016AT	15	C	10	.40	.30	500	.17
80-T491B226K016	T491B226K016AT	22	B	10	.35	.28	2000	.18
80-T491C226K016	T491C226K016AT	22	C	10	.43	.32	500	.21
80-T491C226M016	T491C226M016AT	22	C	20	.42	.31	500	.20
80-T491D226K016	T491D226K016AT	22	D	10	.60	.45	500	.21
80-T491D226M016	T491D226M016AT	22	D	20	.60	.45	500	.21
80-T491C336K016	T491C336K016AT	33	C	10	.53	.40	500	.25
80-T491D336K016	T491D336K016AT	33	D	10	.60	.45	500	.21

KEMET T491 SERIES TANTALUM CHIP CAPACITORS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.± %	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
16 Volt Rating @ 85°C (10 Volt Rating @ 125°C) (cont.)								
80-T491D336M016	T491D336M016AT	33	D	20	.50	.40	500	.33
80-T491C476K016	T491C476K016AT	47	C	10	.45	.36	500	.29
80-T491D476K016	T491D476K016AT	47	D	10	.50	.40	500	.33
80-T491D686K016	T491D686K016AT	68	D	10	.63	.50	500	.41
80-T491D107K016	T491D107K016AT	100	D	10	.83	.66	500	.54
80-T491X107K016	T491X107K016AT	100	X	10	1.65	1.32	500	1.07
80-T491D157K016	T491D157K016AT	150	D	10	1.21	.97	500	.79
80-T491X157K016	T491X157K016AT	150	X	10	2.02	1.61	500	1.31
20 Volt Rating @ 85°C (13 Volt Rating @ 125°C)								
80-T491A684K020	T491A684K020AT	0.68	A	10	.18	.14	2000	.09
80-T491A105K020	T491A105K020AT	1.0	A	10	.15	.12	2000	.08
80-T491A155K020	T491A155K020AT	1.5	A	10	.18	.14	2000	.09
80-T491A225K020	T491A225K020AT	2.2	A	10	.16	.13	2000	.08
80-T491B225K020	T491B225K020AT	2.2	B	10	.20	.16	2000	.10
80-T491A335K020	T491A335K020AT	3.3	A	10	.18	.15	2000	.09
80-T491B335K020	T491B335K020AT	3.3	B	10	.22	.17	2000	.11
80-T491A475K020	T491A475K020AT	4.7	A	10	.20	.16	2000	.10
80-T491B475K020	T491B475K020AT	4.7	B	10	.20	.16	2000	.10
80-T491C475K020	T491C475K020AT	4.7	C	10	.36	.29	500	.23
80-T491B685K020	T491B685K020AT	6.8	B	10	.24	.19	2000	.12
80-T491C685K020	T491C685K020AT	6.8	C	10	.33	.26	500	.21
80-T491B106K020	T491B106K020AT	10	B	10	.32	.25	2000	.16
80-T491C106K020	T491C106K020AT	10	C	10	.32	.25	500	.20
80-T491C106M020	T491C106M020AT	10	C	20	.32	.25	500	.20
80-T491C156K020	T491C156K020AT	15	C	10	.36	.29	500	.23
80-T491D156K020	T491D156K020AT	15	D	10	.60	.48	500	.39
80-T491C226K020	T491C226K020AT	22	C	10	.45	.36	500	.29
80-T491C226M020	T491C226M020AT	2.2	C	20	.45	.36	500	.29
80-T491D226K020	T491D226K020AT	22	D	10	.50	.40	500	.33
80-T491C336M020	T491C336M020AT	33	C	20	.60	.48	500	.39
80-T491D336K020	T491D336K020AT	33	D	10	.50	.40	500	.33
80-T491D476K020	T491D476K020AT	47	D	10	.58	.46	500	.35
80-T491D686K020	T491D686K020AT	68	D	10	1.21	.97	500	.79
80-T491X686K020	T491X686K020AT	68	X	10	1.65	1.32	500	1.07
80-T491X107K020	T491X107K020AT	100	X	10	2.02	1.61	500	1.31
80-T491X107M020	T491X107M020AT	100	X	20	2.02	1.61	500	1.31
25 Volt Rating @ 85°C (17 Volt Rating @ 125°C)								
80-T491A334K025	T491A334K025AT	0.33	A	10	.18	.14	2000	.09
80-T491A474K025	T491A474K025AT	0.47	A	10	.18	.14	2000	.09
80-T491A684K025	T491A684K025AT	0.68	A	10	.18	.14	2000	.09
80-T491A105K025	T491A105K025AT	1.0	A	10	.16	.13	2000	.08
80-T491B105K025	T491B105K025AT	1.0	B	10	.26	.21	2000	.13
80-T491A155K025	T491A155K025AT	1.5	A	10	.19	.15	2000	.09
80-T491B155K025	T491B155K025AT	1.5	B	10	.22	.17	2000	.11
80-T491B225K025	T491B225K025AT	2.2	B	10	.24	.19	2000	.12
80-T491C225K025	T491C225K025AT	2.2	C	10	.36	.29	500	.23
80-T491B335K025	T491B335K025AT	3.3	B	10	.33	.26	2000	.17
80-T491C335K025	T491C335K025AT	3.3	C	10	.33	.26	500	.21
80-T491B475K025	T491B475K025AT	4.7	B	10	.35	.28	2000	.18
80-T491C475K025	T491C475K025AT	4.7	C	10	.32	.25	500	.20
80-T491C475M025	T491C475M025AT	4.7	C	20	.32	.25	500	.20
80-T491B685K025	T491B685K025AT	6.8	B	10	.48	.38	2000	.24
80-T491C685K025	T491C685K025AT	6.8	C	10	.36	.29	500	.23
80-T491C685M025	T491C685M025AT	6.8	C	20	.36	.29	500	.23
80-T491C106K025	T491C106K025AT	10	C	10	.34	.27	500	.22
80-T491C106M025	T491C106M025AT	10	C	20	.34	.27	500	.22
80-T491D106K025	T491D106K025AT	10	D	10	.48	.38	500	.31
80-T491C156K025	T491C156K025AT	15	C	10	.48	.38	500	.31
80-T491D156K025	T491D156K025AT	15	D	10	.54	.43	500	.35
80-T491C226K025	T491C226K025AT	22	C	10	.63	.50	500	.41

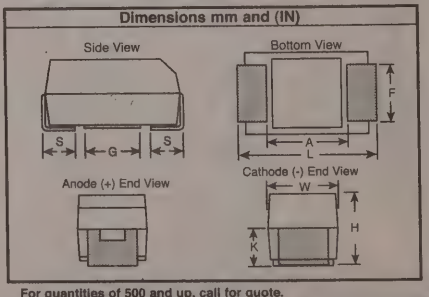
For quantities of 500 and up, call for quo

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.± %	Price Each 1	Price Each 100	Reel Qty.	Price pe Piece
25 Volt Rating @ 85°C (17 Volt Rating @ 125°C) - Cont.								
80-T491D226K025	T491D226K025AT	22	D	10	.50	.40	500	.33
80-T491X336K025	T491X336K025AT	33	X	10	1.65	1.32	500	1.31
80-T491X476K025	T491X476K025AT	47	X	10	2.02	1.61	500	1.31
80-T491X686M025	T491X686M025AT	68	X	20	2.02	1.61	500	1.31
35 Volt Rating @ 85°C (23 Volt Rating @ 125°C)								
80-T491A104K035	T491A104K035AT	0.1	A	10	.18	.14	2000	.09
80-T491A154K035	T491A154K035AT	0.15	A	10	.18	.14	2000	.09
80-T491A224K035	T491A224K035AT	0.22	A	10	.18	.14	2000	.09
80-T491A334K035	T491A334K035AT	0.33	A	10	.18	.14	2000	.09
80-T491A474K035	T491A474K035AT	0.47	A	10	.18	.15	2000	.09
80-T491B474K035	T491B474K035AT	0.47	B	10	.26	.21	2000	.13
80-T491A684K035	T491A684K035AT	0.68	A	10	.18	.15	2000	.09
80-T491B684K035	T491B684K035AT	0.68	B	10	.26	.21	2000	.13
80-T491A105K035	T491A105K035AT	1.0	A	10	.19	.15	2000	.09
80-T491B105K035	T491B105K035AT	1.0	B	10	.20	.16	2000	.10
80-T491B105M035	T491B105M035AT	1.0	B	20	.20	.16	2000	.10
80-T491B155K035	T491B155K035AT	1.5	B	10	.24	.19	2000	.12
80-T491C155K035	T491C155K035AT	1.5	C	10	.33	.26	500	.21
80-T491B225K035	T491B225K035AT	2.2	B	10	.33	.26	2000	.17
80-T491C225K035	T491C225K035AT	2.2	C	10	.33	.26	500	.21
80-T491C225M035	T491C225M035AT	2.2	C	20	.33	.26	500	.21
80-T491B335K035	T491B335K035AT	3.3	B	10	.35	.28	2000	.18
80-T491C335K035	T491C335K035AT	3.3	C	10	.33	.26	500	.21
80-T491C335M035	T491C335M035AT	3.3	C	20	.33	.26	500	.21
80-T491C475K035	T491C475K035AT	4.7	C	10	.34	.27	500	.22
80-T491C475M035	T491C475M035AT	4.7	C	20	.34	.27	500	.22
80-T491D475M035	T491D475M035AT	4.7	D	20	.54	.43	500	.35
80-T491C685K035	T491C685K035AT	6.8	C	10	.48	.38	500	.31
80-T491D685K035	T491D685K035AT	6.8	D	10	.54	.43	500	.35
80-T491D106K035	T491D106K035AT	10	D	10	.48	.38	500	.31
80-T491D156K035	T491D156K035AT	15	D	10	.66	.53	500	.43
80-T491D156M035	T491D156M035AT	15	D	20	.66	.53	500	.43
80-T491X156K035	T491X156K035AT	15	X	10	1.65	1.32	500	1.07
80-T491X156M035	T491X156M035AT	15	X	20	1.65	1.32	500	1.07
80-T491X226K035	T491X226K035AT	22	X	10	1.65	1.32	500	1.07
80-T491X226M035	T491X226M035AT	22	X	20	1.65	1.32	500	1.07
80-T491X336K035	T491X336K035AT	33	X	10	2.02	1.61	500	1.31
80-T491X476K035	T491X476K035AT	47	X	10	2.39	1.91	500	1.55
50 Volt Rating @ 85°C (33 Volt Rating @ 125°C)								
80-T491A104K050	T491A104K050AT	0.1	A	10	.22	.17	2000	.11
80-T491A154K050	T491A154K050AT	0.15	A	10	.23	.18	2000	.12
80-T491B224K050	T491B224K050AT	0.22	B	10	.32	.25	2000	.16
80-T491B334K050	T491B334K050AT	0.33	B	10	.32	.25	2000	.16
80-T491B474K050	T491B474K050AT	0.47	B	10	.35	.28	2000	.18
80-T491C474K050	T491C474K050AT	0.47	C	10	.45	.36	500	.29
80-T491B684K050	T491B684K050AT	0.68	B	10	.46	.36	2000	.23
80-T491C684K050	T491C684K050AT	0.68	C	10	.45	.36	500	.29
80-T491C105K050	T491C105K050AT	1.0	C	10	.45	.36	500	.29
80-T491D155K050	T491D155K050AT	1.5	D	10	.73	.58	500	.47
80-T491C155K050	T491C155K050AT	1.5	C	10	.48	.38	500	.31
80-T491D225K050	T491D225K050AT	2.2	D	10	.68	.54	500	.44
80-T491C225K050	T491C225K050AT	2.2	C	10	.59	.47	500	.38
80-T491D335K050	T491D335K050AT	3.3	D	10	.68	.54	500	.44
80-T491D475K050	T491D475K050AT	4.7	D	10	.68	.54	500	.44
80-T491D475M050	T491D475M050AT	4.7	D	20	.68	.54	500	.44
80-T491X685K050	T491X685K050AT	6.8	X	10	2.07	1.65	500	1.34
80-T491D685K050	T491D685K050AT	6.8	D	10	.83	.66	500	.54
80-T491X106M050	T491X106M050AT	10	X	20	2.52	2.02	500	1.64
80-T491X156K050	T491X156K050AT	15	X	10	2.52	2.02	500	1.64

KEMET T495 SERIES SOLID TANTALUM CHIP CAPACITORS, LOW ESR, SURGE ROBUST

- Designed for very low ESR
- High ripple current capability
- High surge current capability
- 100% accelerated steady-state aging
- 100% Surge current test
- Meets or exceeds EIA Standard 535BAAC
- Available tested per DSCC Dwg. 95158
- New extended values for low ESR
- Low equivalent Series Inductance (<2.5nH ESL)
- Precision-molded, laser-marked case
- Symmetrical, compliant terminations
- Taped and reeled per EIA 481-1

Dimensions mm and (IN)



Standard T495 Dimensions mm (IN.)

Case Size		Component						
Code	EIA	L	W	H	K ±.20 (.008)	F ±0.1 (.004)	S ±0.3 (.012)	A (Ref)
B	3528-21	3.5 (.138)	2.8 (.110)	1.9 (.075)	1.1 (.043)	2.2 (.087)	0.8 (.031)	1.1 (.043)
C	6032-28	6.0 (.236)	3.2 (.126)	2.5 (.098)	1.4 (.055)	2.2 (.087)	1.3 (.051)	2.5 (.098)
D	7343-31	7.3 (.287)	4.3 (.169)	2.8 (.110)	1.5 (.059)	2.4 (.094)	1.3 (.051)	3.8 (.150)
X	7343-43	7.3 (.287)	4.3 (.169)	4.0 (.157)	2.3 (.091)	2.4 (.094)	1.3 (.051)	3.8 (.150)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	ESR	Tol. ±%	Price Each 1	Price Each 100	500 pc. Reel Price (ea.)
4 Volt Rating @ 85°C (2.7 Volt Rating @ 125°C)								
80-T495C337K4ATE700	T495C337K004ATE700	330	C	700	10	2.07	1.72	.83
80-T495X108K4ATE70	T495X108K004ATE070	1000	X	70	10	11.02	8.57	4.41
6 Volt Rating @ 85°C (4 Volt Rating @ 125°C)								
80-T495D686K006	T495D686K006ATE175	68	D	175	10	1.20	.90	.43
80-T495C107K006	T495C107K006ATE150	100	C	150	10	2.12	1.59	.77
80-T495C157M6ATE200	T495C157M006ATE200	150	C	200	20	2.10	1.58	.76
80-T495X157K6ATE100	T495X157K006ATE100	150	X	100	10	2.75	2.06	.99
80-T495D227K006	T495D227K006ATE100	220	D	100	10	3.40	1.53	1.49
80-T495X337K006	T495X337K006ATE100	330	X	100	10	2.90	1.31	1.27

For quantities of 500 and up, call for q

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	ESR	Tol. ±%	Price Each 1	Price Each 100	500 Re Price
6 Volt Rating @ 85°C (4 Volt Rating @ 125°C) - Cont.								
80-T495X337M006	T495X337M006ATE100	330	X	100	20	2.85	1.25	1.1
80-T495D477K6ATE125	T495D477K006ATE125	470	D	125	10	4.60	3.45	1.6
80-T495D477M6ATE125	T495D477M006ATE125	470	D	125	20	4.35	3.26	1.5
80-T495X477K006	T495X477K006ATE065	470	X	65	10	3.25	2.44	1.1
10 Volt Rating @ 85°C (7 Volt Rating @ 125°C)								
80-T495C226K010	T495C226K010ATE345	22	C	345	10	2.12	1.59	.7
80-T495D476K010	T495D476K010ATE200	47	D	200	10	1.20	.90	.4
80-T495C686K10ATE225	T495C686K010ATE225	68	C	225	10	2.13	1.59	.7
80-T495C686M10ATE225	T495C686M010ATE225	68	C	225	20	2.00	1.50	.7

MET T494 SERIES SOLID TANTALUM CHIP CAPACITORS, LOW ESR, INDUSTRIAL GRADE

For quantities of 500 and up, call for quote.

OUSER OCK NO.	KEMET Part Number	Value (μF)	Case Code	Tol.± %	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Rating @ 85°C (2 Volt Rating @ 125°C)								
94A336K003	T494A336K003AT	3.3	A	10	.75	.60	2000	.28
Rating @ 85°C (2.7 Volt Rating @ 125°C)								
94A475K004	T494A475K004AT	4.7	A	10	.60	.48	2000	.22
94A685K004	T494A685K004AT	6.8	A	10	.60	.48	2000	.22
94B106K004	T494B106K004AT	10	B	10	.83	.66	2000	.31
94C107K004	T494C107K004AT	100	C	10	1.63	1.30	500	1.06
94D337K004	T494D337K004AT	330	D	10	3.48	2.78	500	2.26
94X108K004	T494X108K004AT	1000	X	10	10.33	8.26	500	6.71
Rating @ 85°C (4 Volt Rating @ 125°C)								
94A106K006	T494A106K006AT	10	A	10	.65	.52	2000	.42
94B156K006	T494B156K006AT	15	B	10	.83	.66	2000	.54
94C226K006	T494C226K006AT	22	C	10	1.20	.96	500	.78
94D107K006	T494D107K006AT	100	D	10	2.18	1.74	500	1.42
94D157K006	T494D157K006AT	150	D	10	2.60	2.08	500	1.69
94D227K006	T494D227K006AT	220	D	10	3.48	2.78	500	2.26
94D337K006	T494D337K006AT	330	D	10	7.15	5.72	500	4.65
94X477K006	T494X477K006AT	470	X	10	10.08	8.06	500	6.55
t Rating @ 85°C (7 Volt Rating @ 125°C)								
94A225K010	T494A225K010AT	2.2	A	10	.51	.45	2000	.20
94A475K010	T494A475K010AT	4.7	A	10	.51	.45	2000	.20
94B475K010	T494B475K010AT	4.7	B	10	.70	.62	2000	.28
94A106K010	T494A106K010AT	10	A	10	.64	.56	2000	.26
94B106K010	T494B106K010AT	10	B	10	.70	.62	2000	.28
94B226K010	T494B226K010AT	22	B	10	1.11	.98	2000	.44
94B226M010	T494B226M010AT	22	B	20	1.07	.94	2000	.43
94B336K010	T494B336K010AT	33	B	10	1.15	1.01	2000	.46
94C476K010	T494C476K010AT	47	C	10	1.38	1.22	500	.59
94D686K010	T494D686K010AT	68	D	10	1.85	1.63	500	.79
94D107K010	T494D107K010AT	100	D	10	2.21	1.95	500	.94
94D107M010	T494D107M010AT	100	D	20	2.15	1.90	500	.92
94D157K010	T494D157K010AT	150	D	10	2.96	2.61	500	1.25
94D227K010	T494D227K010AT	220	D	10	6.08	5.36	500	2.57
94X227K010	T494X227K010AT	220	X	10	7.46	6.58	500	3.16
94X337K010	T494X337K010AT	330	X	10	8.56	7.56	500	3.63

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (μF)	Case Code	Tol.± %	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
10 Volt Rating @ 85°C (7 Volt Rating @ 125°C) - Cont.								
80-T494X337M010	T494X337M010AT	330	X	20	8.01	7.07	500	3.39
16 Volt Rating @ 85°C (10 Volt Rating @ 125°C)								
80-T494A475K016	T494A475K016AT	4.7	A	10	.55	.49	2000	.22
80-T494B106K016	T494B106K016AT	10	B	10	.77	.68	2000	.31
80-T494C226K016	T494C226K016AT	22	C	10	1.22	1.07	500	.51
80-T494C226M016	T494C226M016AT	22	C	20	1.09	.96	500	.46
80-T494D226K016	T494D226K016AT	22	D	10	1.85	1.63	500	.78
80-T494C336K016	T494C336K016AT	33	C	10	1.38	1.22	500	.59
80-T494C476K016	T494C476K016AT	47	C	10	1.44	1.27	500	.61
80-T494X157K016	T494X157K016AT	150	X	10	7.46	6.58	500	3.16
20 Volt Rating @ 85°C (13 Volt Rating @ 125°C)								
80-T494A225K020	T494A225K020AT	2.2	A	10	.51	.46	2000	.20
80-T494B106K020	T494B106K020AT	10	B	10	1.10	.98	2000	.44
80-T494C106K020	T494C106K020AT	10	C	10	1.02	.90	500	.43
80-T494D336K020	T494D336K020AT	33	D	10	1.85	1.63	500	.78
80-T494X107K020	T494X107K020AT	100	X	10	7.46	6.58	500	3.16
80-T494X107M020	T494X107M020AT	100	X	20	7.07	6.24	500	3.00
25 Volt Rating @ 85°C (17 Volt Rating @ 125°C)								
80-T494A105K025	T494A105K025AT	1	A	10	.55	.49	2000	.22
80-T494C106M025	T494C106M025AT	10	C	20	1.09	.96	500	.46
80-T494C106K025	T494C106K025AT	10	C	10	1.22	1.07	500	.51
80-T494D106K025	T494D106K025AT	10	D	10	1.85	1.63	500	.78
80-T494D226K025	T494D226K025AT	22	D	10	1.85	1.63	500	.78
80-T494D226M025	T494D226M025AT	22	D	20	1.80	1.58	500	.76
35 Volt Rating @ 85°C (23 Volt Rating @ 125°C)								
80-T494D475K035	T494D475K035AT	4.7	D	10	1.85	1.63	500	.78
80-T494D106K035	T494D106K035AT	10	D	10	1.85	1.63	500	.78
80-T494D106M035	T494D106M035AT	10	D	20	1.80	1.58	500	.76
80-T494X226K035	T494X226K035AT	22	X	10	6.08	5.36	500	2.57
50 Volt Rating @ 85°C (33 Volt Rating @ 125°C)								
80-T494C105K050	T494C105K050AT	1	C	10	1.27	1.12	500	.54
80-T494D225K050	T494D225K050AT	2.2	D	10	2.43	2.15	500	1.03
80-T494D475K050	T494D475K050AT	4.7	D	10	2.43	2.15	500	1.03
80-T494X685K050	T494X685K050AT	6.8	X	10	8.01	7.07	500	3.39

MET T495 SERIES SOLID TANTALUM CHIP CAPACITORS, LOW ESR, SURGE ROBUST (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (μF)	ESR	Case Code	Tol.± %	Price Each 1	Price Each 100	500 Pc. Reel Price Ea.
t Rating @ 85°C (7 Volt Rating @ 125°C) (cont.)								
95D686K010	T495D686K010ATE150	68	150	D	10	1.20	.90	.43
95D686M010	T495D686M010ATE150	68	150	D	20	3.25	2.44	1.17
95X686K10ATE150	T495X686K010ATE150	68	150	X	10	6.80	4.00	2.88
95X686M10ATE150	T495X686M010ATE150	68	150	X	20	7.25	5.44	2.61
95D107K010	T495D107K010ATE100	100	100	D	10	1.60	1.20	.58
95D107M010	T495D107M010ATE100	100	100	D	20	1.55	1.15	.55
95X107K010	T495X107K010ATE100	100	100	X	10	2.75	2.06	.99
95D157K010	T495D157K010ATE100	150	100	D	10	1.70	1.27	.77
95D157M010	T495D157M010ATE100	150	100	D	20	1.65	1.25	.58
95X157K10ATE100	T495X157K010ATE100	150	100	X	10	3.25	2.44	1.17
95D227K10ATE125	T495D227K010ATE125	220	125	D	10	4.50	3.38	1.62
95X227K010	T495X227K010ATE100	220	100	X	10	2.90	1.75	1.24
95X227M010	T495X227M010ATE100	220	100	X	20	2.90	1.75	1.24
95D337K10ATE125	T495D337K010ATE125	330	125	D	10	4.60	3.45	1.66
95X337K10ATE60	T495X337K010ATE060	330	60	X	10	3.00	2.25	1.08
t Rating @ 85°C (10 Volt Rating @ 125°C)								
95C336K016	T495C336K016ATE275	33	275	C	10	1.70	1.27	.77
95C336M016	T495C336M016ATE275	33	275	C	20	1.60	1.00	.72
95D336K016	T495D336K016ATE225	33	225	D	10	1.20	.90	.43
95D336M016	T495D336M016ATE225	33	225	D	20	1.15	.85	.40
95D476K016	T495D476K016ATE150	47	150	D	10	1.60	1.20	.58
95D476M016	T495D476M016ATE150	47	150	D	20	1.55	1.10	.55
95D686K16ATE150	T495D686K016ATE150	68	150	D	10	1.20	.90	.43
95D107K016	T495D107K016ATE125	100	125	D	10	1.50	1.02	.61
95D107M016	T495D107M016ATE125	100	125	D	20	1.45	1.00	.63
95X107K016	T495X107K016ATE100	100	100	X	10	2.73	1.95	1.17
95X107M016	T495X107M016ATE100	100	100	X	20	2.68	1.90	1.10
95X157K16ATE100	T495X157K016ATE100	150	100	X	10	2.50	1.88	.90
Rating @ 85°C (13 Volt Rating @ 125°C)								
95D156K20ATE275	T495D156K020ATE275	15	275	D	10	3.50	2.63	1.26
95D156M20ATE275	T495D156M020ATE275	15	275	D	10	3.25	2.44	1.17
95D226K020	T495D226K020ATE225	22	225	D	10	2.80	.90	.43
95D226M020	T495D226M020ATE225	22	225	D	20	3.25	2.44	1.17
95D336K020	T495D336K020ATE200	33	200	D	10	1.41	1.23	.64
95D336M020	T495D336M020ATE200	33	200	D	20	1.39	1.20	.62
95D476K20ATE175	T495D476K020ATE175	47	175	D	10	1.40	1.21	.63
95X476K020	T495X476K020ATE150	47	150	X	10	2.10	1.50	.95
95X476M020	T495X476M020ATE150	47	150	X	20	2.05	1.45	.91
95D686K20ATE150	T495D686K020ATE150	68	150	D	10	4.25	3.19	1.53
95D686M20ATE150	T495D686M020ATE150	68	150	D	20	4.00	3.00	1.44
95X686K020	T495X686K020ATE150	68	150	X	10	2.73	2.00	1.20

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (μF)	ESR	Case Code	Tol.± %	Price Each 1	Price Each 100	500 Pc. Reel Price Ea.
20 Volt Rating @ 85°C (13 Volt Rating @ 125°C) (cont.)								
80-T495X686M020	T495X686M020ATE150	68	150	X	20	2.65	1.90	1.15
25 Volt Rating @ 85°C (17 Volt Rating @ 125°C)								
80-T495C685K025	T495C685K025ATE500	6.8	500	C	10	1.70	1.00	.77
80-T495C685M025	T495C685M025ATE500	6.8	500	C	20	1.65	.98	.75
80-T495C106K025	T495C106K025ATE450	10	450	C	10	1.70	1.00	.77
80-T495D156K25ATE275	T495D156K025ATE275	15	275	D	10	3.50	2.63	1.26
80-T495D156M25ATE275	T495D156M025ATE275	15	275	D	20	3.25	2.44	1.17
80-T495X156K25ATE200	T495X156K025ATE200	15	200	X	10	8.00	6.00	2.88
80-T495D226M025	T495D226M025ATE200	22	200	D	20	1.41	1.23	.64
80-T495X226K025	T495X226K025ATE225	22	225	X	10	6.40	4.00	2.88
80-T495X226M025	T495X226M025ATE225	22	225	X	20	5.80	3.50	2.88
80-T495D336K25ATE300	T495D336K025ATE300	33	300	D	10	1.40	1.05	.50
80-T495X336K025	T495X336K025ATE175	33	175	X	10	2.10	1.84	.92
80-T495X336M025	T495X336M025ATE175	33	175	X	20	2.05	1.80	.90
80-T495X476M25ATE200	T495X476M025ATE200	47	200	X	20	5.75	4.31	2.07
80-T495X686K25ATE200	T495X686K025ATE200	68	200	X	10	2.50	1.88	.90
35 Volt Rating @ 85°C (23 Volt Rating @ 125°C)								
80-T495C475K035	T495C475K035ATE600	4.7	600	C	10	1.70	1.27	.77
80-T495D685K35ATE400	T495D685K035ATE400	6.8	400	D	10	1.20	.90	.43
80-T495X685K035	T495X685K035ATE300	6.8	300	X	10	6.40	4.00	2.88
80-T495D106K035	T495D106K035ATE300	10	300	D	10	2.80	2.10	1.26
80-T495D106M035	T495D106M035ATE300	10	300	D	20	2.60	1.95	1.17
80-T495X106K035	T495X106K035ATE250	10	250	X	10	6.40	3.50	2.88
80-T495D156K035	T495D156K035ATE300	15	300	D	10	1.41	.80	.70
80-T495X156K35ATE225	T495X156K035ATE225	15	225	X	10	3.25	2.44	1.17
80-T495D226K35ATE300	T495D226K035ATE300	22	300	D	10	1.40	1.05	.50
80-T495X226K035	T495X226K035ATE275	22	275	X	10	2.73	2.00	1.20
80-T495X226M035	T495X226M035ATE275	22	275	X	20	2.70	1.20	1.15
80-T495X336K035	T495X336K035ATE250	33	250	X	10	8.40	6.30	3.78
80-T495X336M035	T495X336M035ATE250	33	250	X	20	7.80	6.00	3.51
80-T495X476K35ATE300	T495X476K035ATE300	47	300	X	10	3.75	2.81	1.35
50 Volt Rating @ 85°C (33 Volt Rating @ 125°C)								
80-T495D475K50ATE300	T495D475K050ATE300	4.7	300	D	10	3.75	2.81	1.35
80-T495D475M50ATE300	T495D475M050ATE300	4.7	300	D	20	3.50	2.63	1.26
80-T495X475K050	T495X475K050ATE300	4.7	300	X	10	6.83	5.50	4.32
80-T495D685K50ATE300	T495D685K050ATE300	6.8	300	D	10	3.75	2.81	1.35
80-T495D685M50ATE300	T495D685M050ATE300	6.8	300	D	20	3.50	2.63	1.26
80-T495X106K50ATE300	T495X106K050ATE300	10	300	X	10	9.80	7.35	4.41
80-T495X106M50ATE300	T495X106M050ATE300	10	300	X	20	9.50	7.35	4.41
80-T495X156K50ATE300	T495X156K050ATE300	15	300	X	10	9.80	7.35	4.41
80-T495X156M50ATE300	T495X156M050ATE300	15	300	X	20	9.50	7.35	4.41

KEMET Tantalum Chip Capacitors, Low ESR

KEMET T496 SERIES SOLID TANTALUM CHIP CAPACITORS, LOW ESR, FAIL-SAFE FUSED

- Built-in fuse protects against damaging short circuit failure mode
- Precision-molded, laser-marked case
- Symmetrical, compliant terminations
- Taped and reeled per EIA 481-1
- Patented fuse assembly
- 100% Surge Current test on C, D, X sizes
- Continuous current capability: 0.75 amps
- Case geometry and footprints equivalent to Industrial Grade T491 Series. (Case sizes B, C, D and X only)
- Fuse actuation, 25 C: within 1 second at fault currents of 4 amps and higher.
- Post-actuation resistance, 25C: 10 megohms minimum
- Test tabs on the sides of the case bypass the capacitor element to allow direct testing of the fuse assembly

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.± %	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
4 Volt Rating @ 85°C (2.7 Volt Rating @ 125°C)								
80-T496X337K004	T496X337K004AT	330	X	10	6.00	5.25	500	2.70
80-T496X337M004	T496X337M004AT	330	X	20	5.60	4.90	500	2.52
6 Volt Rating @ 85°C (4 Volt Rating @ 125°C)								
80-T496B106K006	T496B106K006AT	10	B	10	1.44	1.26	2000	.65
80-T496D107M006	T496D107M006AT	100	D	20	3.00	2.63	500	1.35
80-T496X107K006	T496X107K006AT	100	X	10	5.60	4.90	500	2.52
10 Volt Rating @ 85°C (7 Volt Rating @ 125°C)								
80-T496B475M010	T496B475M010AT	4.7	B	20	1.32	1.16	2000	.59
80-T496C226K010	T496C226K010AT	22	C	10	2.40	2.10	500	1.08
80-T496C226M010	T496C226M010AT	22	C	20	2.20	1.93	500	.99
80-T496D476K010	T496D476K010AT	47	D	10	3.12	2.73	500	1.40
80-T496D476M010	T496D476M010AT	47	D	20	3.00	2.63	500	1.35
80-T496X686K010	T496X686K010AT	68	X	10	5.60	4.90	500	2.52
80-T496X686M010	T496X686M010AT	68	X	20	5.20	4.55	500	2.34
80-T496D107K010	T496D107K010AT	100	D	10	3.32	2.91	500	1.49
80-T496D107M010	T496D107M010AT	100	D	20	3.20	2.80	500	1.44
80-T496X227K010	T496X227K010AT	220	X	10	7.20	6.30	500	3.24
80-T496X227M010	T496X227M010AT	220	X	20	6.80	5.95	500	3.06
16 Volt Rating @ 85°C (10 Volt Rating @ 125°C)								
80-T496B225K016	T496B225K016AT	2.2	B	10	1.44	1.26	2000	.65
80-T496B225M016	T496B225M016AT	2.2	B	20	1.32	1.16	2000	.59
80-T496B475K016	T496B475K016AT	4.7	B	10	1.44	1.26	2000	.65
80-T496B475M016	T496B475M016AT	4.7	B	20	1.32	1.16	2000	.59
80-T496B106K016	T496B106K016AT	10	B	10	1.52	1.33	2000	.68
80-T496B106M016	T496B106M016AT	10	B	20	1.44	1.26	2000	.65
80-T496C106K016	T496C106K016AT	10	C	10	2.40	2.10	500	1.08
80-T496C106M016	T496C106M016AT	10	C	20	2.20	1.93	500	.99
80-T496C156K016	T496C156K016AT	15	C	10	2.40	2.10	500	1.08
80-T496C156M016	T496C156M016AT	15	C	20	2.20	1.93	500	.99
80-T496C226K016	T496C226K016AT	22	C	10	2.52	2.21	500	1.13
80-T496C226M016	T496C226M016AT	22	C	20	2.32	2.03	500	1.04
80-T496D336K016	T496D336K016AT	33	D	10	3.12	2.73	500	1.40
80-T496D336M016	T496D336M016AT	33	D	20	3.00	2.63	500	1.35
80-T496D476K016	T496D476K016AT	47	D	10	3.12	2.73	500	1.40
80-T496D476M016	T496D476M016AT	47	D	20	3.00	2.63	500	1.35
80-T496X476K016	T496X476K016AT	47	X	10	5.60	4.90	500	2.52
80-T496X476M016	T496X476M016AT	47	X	20	5.20	4.55	500	2.34
80-T496X107K016	T496X107K016AT	100	X	10	6.00	5.25	500	2.70

For quantities of 500 and up, call for q

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.± %	Price Each 1	Price Each 100	Reel Qty.	Price Piec
16 Volt Rating @ 85°C (10 Volt Rating @ 125°C) - Cont.								
80-T496X107M016	T496X107M016AT	100	X	20	5.60	4.90	500	2.52
20 Volt Rating @ 85°C (13 Volt Rating @ 125°C)								
80-T496B225K020	T496B225K020AT	2.2	B	10	1.44	1.26	2000	.65
80-T496B225M020	T496B225M020AT	2.2	B	20	1.32	1.16	2000	.59
80-T496C685K020	T496C685K020AT	6.8	C	10	2.40	2.10	500	1.08
80-T496C685M020	T496C685M020AT	6.8	C	20	2.20	1.93	500	.99
80-T496C106K020	T496C106K020AT	10	C	10	2.40	2.10	500	1.08
80-T496C106M020	T496C106M020AT	10	C	20	2.20	1.93	500	.99
80-T496D226K020	T496D226K020AT	22	D	10	3.12	2.73	500	1.40
80-T496D226M020	T496D226M020AT	22	D	20	3.00	2.63	500	1.35
80-T496X336K020	T496X336K020AT	33	X	10	5.60	4.90	500	2.52
80-T496X336M020	T496X336M020AT	33	X	20	5.20	4.55	500	2.34
25 Volt Rating @ 85°C (17 Volt Rating @ 125°C)								
80-T496C475K025	T496C475K025AT	4.7	C	10	2.40	2.10	500	1.08
80-T496C475M025	T496C475M025AT	4.7	C	20	2.20	1.93	500	.99
80-T496D106K025	T496D106K025AT	10	D	10	3.12	2.73	500	1.40
80-T496D106M025	T496D106M025AT	10	D	20	3.00	2.63	500	1.35
80-T496D226K025	T496D226K025AT	22	D	10	3.12	2.73	500	1.40
80-T496D226M025	T496D226M025AT	22	D	20	3.00	2.63	500	1.35
80-T496X226K025	T496X226K025AT	22	X	10	5.60	4.90	500	2.52
80-T496X226M025	T496X226M025AT	22	X	20	5.20	4.55	500	2.34
35 Volt Rating @ 85°C (23 Volt Rating @ 125°C)								
80-T496B105K035	T496B105K035AT	1.0	B	10	1.44	1.26	2000	.65
80-T496B105M035	T496B105M035AT	1.0	B	20	1.32	1.16	2000	.59
80-T496C225K035	T496C225K035AT	2.2	C	10	2.40	2.10	500	1.08
80-T496C225M035	T496C225M035AT	2.2	C	20	2.20	1.93	500	.99
80-T496D475K035	T496D475K035AT	4.7	D	10	3.12	2.73	500	1.40
80-T496D475M035	T496D475M035AT	4.7	D	20	3.00	2.63	500	1.35
80-T496D685K035	T496D685K035AT	6.8	D	10	3.12	2.73	500	1.40
80-T496D685M035	T496D685M035AT	6.8	D	20	3.00	2.63	500	1.35
80-T496X106K035	T496X106K035AT	10	X	10	5.60	4.90	500	2.52
80-T496X106M035	T496X106M035AT	10	X	20	5.20	4.55	500	2.34
80-T496X156K035	T496X156K035AT	15	X	10	6.00	5.25	500	2.70
80-T496X156M035	T496X156M035AT	15	X	20	5.60	4.90	500	2.52
50 Volt Rating @ 85°C (33 Volt Rating @ 125°C)								
80-T496C105K050	T496C105K050AT	1.0	C	10	2.70	2.36	500	1.22
80-T496C105M050	T496C105M050AT	1.0	C	20	2.64	2.31	500	1.19
80-T496X475K050	T496X475K050AT	4.7	X	10	6.40	5.60	500	2.88
80-T496X475M050	T496X475M050AT	4.7	X	20	6.00	5.25	500	2.70

KEMET T498 SERIES HIGH TEMPERATURE TANTALUM CHIP CAPACITORS

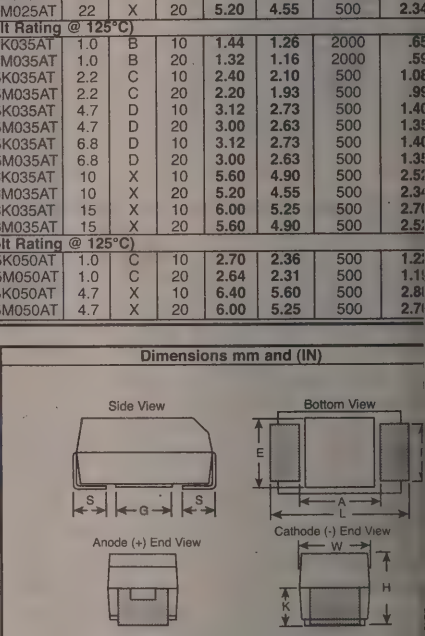
- 150°C Max. Temperature Capability
- Temperature/Voltage derating: 2/3 @ 150°C
- Self-healing mechanism
- Reliability: 0.5%/1000Hrs. @ Rated Voltage/Temp.
- 100% Accelerated steady state aging
- 100% Surge current testing
- RoHS Compliant

NEW PRODUCT

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Val. µF	Case Code	DC Leak µA @ 25°C Max.	DF% @+25°C 120Hz Max.	ESR Ω @+25°C 100kHz Max.	Price Ea. 1	Price Ea. 100	Reel Qty.	Price per Piece
10 Volt Rating at +85°C (7 Volt Rating at +150°C)										
80-T498B156K10TE1K5	T498B156K010ATE1K5	15	B	1.5	6	1.5	.53	.47	2000	.27
80-T498B226K10TE1K5	T498B226K010ATE1K5	22	B	2.2	6	1.5	.80	.70	2000	.40
80-T498D107K10TE600	T498D107K010ATE600	100	D	10.0	8	0.6	1.76	1.54	500	1.43
80-T498X227K10TE500	T498X227K010ATE500	220	X	22.0	8	0.5	5.23	4.58	500	4.25
16 Volt Rating at +85°C (11 Volt Rating at +150°C)										
80-T498A105K16TE6K5	T498A105K016ATE6K5	1	A	0.5	4	6.5	.36	.31	2000	.29
80-T498A335K16TE3K4	T498A335K016ATE3K4	3.3	A	0.5	6	3.4	.36	.31	2000	.29
80-T498B475K16TE2K1	T498B475K016ATE2K1	4.7	B	0.8	6	2.1	.48	.42	2000	.39
80-T498A685K16TE2K6	T498A685K016ATE2K6	6.8	A	1.1	6	2.6	.44	.38	2000	.22
80-T498B685K16TE1K8	T498B685K016ATE1K8	6.8	B	1.1	6	1.8	.48	.42	2000	.39
80-T498B106K16TE2K8	T498B106K016ATE2K8	10	B	1.6	6	2.8	.53	.47	2000	.27
80-T498D476K16TE600	T498D476K016ATE600	47	D	7.5	6	0.6	1.04	.91	500	.85
25 Volt Rating at +85°C (17 Volt Rating at +150°C)										
80-T498A474K25TE8K5	T498A474K025ATE8K5	0.47	A	0.5	4	8.5	.36	.31	2000	.18
80-T498B225K25TE3K0	T498B225K025ATE3K0	2.2	B	0.6	6	3.0	.53	.47	2000	.27
80-T498C106K25TE1K1	T498C106K025ATE1K1	10	C	2.5	6	1.1	1.01	.88	500	.82
80-T498D156K25TE700	T498D156K025ATE700	15	D	3.8	6	0.7	1.04	.91	500	.85
80-T498D226K25TE600	T498D226K025ATE600	22	D	5.5	6	0.6	1.44	1.26	500	1.17
80-T498D336K25TE600	T498D336K025ATE600	33	D	8.3	6	0.6	4.23	3.70	500	3.44
35 Volt Rating at +85°C 24 Volt Rating at +150°C)										
80-T498A105K35TE10K	T498A105K035ATE10K	1	A	0.5	4	10.0	.44	.38	2000	.22
80-T498D106K35TE700	T498D106K035ATE700	10	D	3.5	6	0.7	1.04	.91	500	.85
80-T498X226K35TE500	T498X226K035ATE500	22	X	7.7	6	0.5	4.23	3.70	500	3.44
80-T498X336K35TE500	T498X336K035ATE500	33	X	11.6	6	0.5	5.23	4.58	500	4.25
50 Volt Rating at +85°C (34 Volt Rating at +150°C)										
80-T498D106K50TE1K0	T498D106K050ATE1K0	10	D	5.0	6	1.0	2.93	2.56	500	2.38

Dimensions mm and (IN)



Case Size KEMA	Case Size EIA	Component L	W	H	K ±.20 (.008)	F ±0.1 (.004)	S ±0.3 (.012)	A (Min)	G (Ref)
A	3216-18	3.2 (.126)	1.6 (.063)	1.6 (.063)	0.9 (.035)	1.2 (.047)	0.8 (.031)	0.8 (.031)	1.1 (.043)
B	3528-21	3.5 (.138)	2.8 (.110)	1.9 (.075)	1.1 (.043)	2.2 (.087)	0.8 (.031)	1.1 (.043)	1.8 (.071)
C	6032-28	6.0 (.236)	3.2 (.126)	2.5 (.098)	1.4 (.055)	2.2 (.087)	1.3 (.051)	2.5 (.098)	2.8 (.110)
D	7343-31	7.3 (.287)	4.3 (.169)	2.8 (.110)	1.5 (.059)	2.4 (.094)	1.3 (.051)	3.8 (.150)	3.5 (.138)
X	7343-43	7.3 (.287)	4.3 (.169)	4.0 (.157)	2.3 (.091)	2.4 (.094)	1.3 (.051)	3.8 (.150)	3.5* (.138)

KEMET T510 SERIES SOLID TANTALUM CHIP CAPACITORS, ULTRA LOW ESR

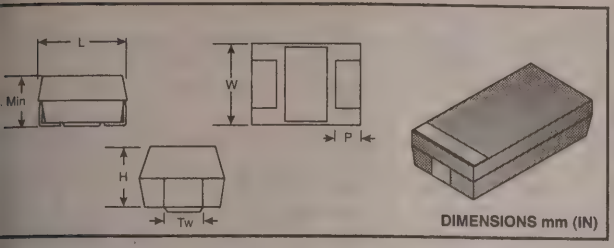
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Volt (DC)	Value (µF)	Case Code	ESR mΩ	DC Leakage	Tol. %	Price Each 1	Price Each 100
80-T510X687K004	T510X687K004AT	4	680	X	30	27.2	10	13.28	10.33
80-T510E108K004	T510E108K004AT	4	1000	E	18	40	10	16.70	12.99
80-T510E108M004	T510E108M004AT	4	1000	E	18	40	20	15.77	12.27
80-T510X477K006	T510X477K006AT	6.3	470	X	30	28.2	10	13.28	10.33
80-T510X337M010	T510X337M010AT	10	330	X	35	33	20	12.60	9.80

For quantities of 500 and up, call for

MOUSER STOCK NO.	KEMET Part Number	Volt (DC)	Value (µF)	Case Code	ESR mΩ	DC Leakage	Tol. %	Price 1
80-T510E687K006	T510E687K006AT	6.3	680	E	23	40.8	10	16.70
80-T510E687M006	T510E687M006AT	6.3	680	E	23	40.8	20	15.77
80-T510X337K010	T510X337K010AT	10	330	X	35	33	10	13.28
80-T510X477M006	T510X477M006AT	6.3	470	X	30	28.2	20	12.60

MOUSER ELECTRONICS a tti company



DIMENSIONS mm (IN)

Code	Full Reel Qty.	EIA Code	L	W	H	P	Tw	TH
A	2000	3216	3.2 ± .20 (.126 ± .008)	1.6 ±.20 (.063 ± .008)	1.6 ± .20 (.063 ± .008)	.80 ± .30 (.031 –.012)	1.2 ± .10 (.047 ± .004)	.70 (.28)
B	2000	3528	3.5 ± .20 (.138 ± .008)	2.8 ± .20 (.110 ± .008)	1.9 ± .20 (.075 ± .008)	.80 ± .30 (.031 ± .012)	2.2 ± .10 (.087 ± .004)	.70 (.028)
C	500	6032	6.0 ± .30 (.236 ± .012)	3.2 ± .30 (.126 ± .012)	2.5 ± .30 (.098 ± .012)	1.3 ± .30 (.051 ± .012)	2.2 ± .10 (.087 ± .004)	1.0 (.039)
D	500	7343	7.3 ± .30 (.287 ± .012)	4.3 ± .30 (.170 ± .012)	2.8 ± .30 (.110 ± .012)	1.3 ±.30 (.051 ± .012)	2.4 ± .10 (.095 ± .004)	1.0 (.039)
E	400	7343H	7.3 ± .30 (.287 ± .012)	4.3 ± .30 (.170 ± .012)	4.0 ± .30 (.158 ± 0.12)	1.3 ±.30 (.051 ± .012)	2.4 ± .10 (.095 ± .004)	1.0 (.039)

3D SERIES SOLID TANTALUM CHIP CAPACITORS

ures:
erating temperature: -55°C to +85°C (Derate voltage 33% at 125°C)
mpatible with "High Volume" automatic pick and place equipment.
gh ripple current carrying capability
ets IEC Specification QC300801/US0001 and EIA 535BAAE
w ESR

For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	VISHAY Part Number	Value (μF)	Case Size	Tol.± %	Price Each 1	50	100	500
Volt								
93D6.3V220E	593D227X96R3E2T	220	E	10	6.23	5.34	4.45	4.01
93D6.3V330	593D337X96R3E2T	330	E	10	7.60	6.52	5.43	4.89
93D6.3V330E	593D337X06R3E2T	330	E	20	7.60	6.52	5.43	4.89
olt								
93D10V33C	593D336X9010C2T	33	C	10	1.39	1.19	.99	.89
93D10V47C	593D476X0010C2T	47	C	20	1.72	1.47	1.23	1.10
93D10V68D	593D686X9010D2T	68	D	10	2.19	1.88	1.57	1.41
93D10V100	593D107X9010D2T	100	D	10	2.68	2.30	1.91	1.72
93D10V100D	593D107X0010D2T	100	D	20	2.68	2.30	1.91	1.72
93D10V150D	593D157X9010D2T	150	D	10	3.50	3.00	2.50	2.25
93D10V150E	593D157X9010E2T	150	E	10	6.23	5.34	4.45	4.01
93D10V220D	593D227X9010D2T	220	D	10	3.84	3.29	2.74	2.47
93D10V330E	593D337X0010E2T	330	E	20	9.00	7.72	6.43	5.79
olt								
93D16V10C	593D106X0016C2T	10	C	20	1.27	1.09	.91	.82
93D16V22	593D226X9016C2T	22	C	10	1.39	1.19	.99	.89
93D16V33D	593D336X9016D2T	33	D	10	2.19	1.88	1.57	1.41
93D16V47C	593D476X9016C2T	47	C	10	1.82	1.56	1.30	1.17
93D16V47D	593D476X0016D2T	47	D	20	2.19	1.88	1.57	1.41
93D16V100	593D107X9016D2T	100	D	10	3.50	3.00	2.50	2.25
93D16V100E	593D107X9016E2T	100	E	10	6.23	5.34	4.45	4.01
olt								
93D20V10B	593D106X9020B2T	10	B	10	1.06	.91	.76	.68
93D20V33D	593D336X9020D2T	33	D	10	2.19	1.88	1.57	1.41
93D20V47D	593D476X9020D2T	47	D	10	2.68	2.30	1.91	1.72
93D20V47E	593D476X9020E2T	47	E	10	6.23	5.34	4.45	4.01
93D20V68D	593D686X9020D2T	68	D	10	3.50	3.00	2.50	2.25
93D20V68E	593D686X9020E2T	68	E	10	6.23	5.34	4.45	4.01
93D20V100E	593D107X9020E2T	100	E	10	7.60	6.52	5.43	4.89
olt								
93D25V10	593D106X9025C2T	10	C	10	1.39	1.19	.99	.89
93D25V15D	593D156X9025D2T	15	D	10	2.19	1.88	1.57	1.41
93D25V22D	593D226X9025D2T	22	D	10	2.19	1.88	1.57	1.41
93D25V33D	593D336X9025D2T	33	D	10	2.68	2.30	1.91	1.72
93D25V33E	593D336X0025E2T	33	E	20	7.60	6.52	5.43	4.89
olt								
93D35V3.3C	593D335X9035C2T	3.3	C	10	1.27	1.09	.91	.82
93D35V4.7	593D475X9035C2T	4.7	C	10	1.39	1.19	.99	.89
93D35V10D	593D106X9035D2T	10	D	10	2.19	1.88	1.57	1.41
93D35V15D	593D156X9035D2T	15	D	10	2.68	2.30	1.91	1.72
93D35V22	593D226X9035E2T	22	E	10	7.60	6.52	5.43	4.89
93D35V22E	593D226X0035E2T	22	E	2	7.60	6.52	5.43	4.89
olt								
93D50V4.7D	593D475X9050D2T	4.7	D	10	2.74	2.35	1.96	1.76
93D50V6.8D	593D685X9050D2T	6.8	D	10	3.35	2.87	2.39	2.15
93D50V6.8	593D685X9050E2T	6.8	E	10	9.50	8.15	6.79	6.11
93D50V10E	593D106X9050E2T	10	E	10	9.50	8.15	6.79	6.11

D SERIES SOLID TANTALUM CHIP CAPACITORS

ires:
rating temperature: -55°C to +85°C (Derate voltage 33% at 125°C)
mpatible with "High Volume" automatic pick and place equipment.
ical character recognition qualified
ets IEC Specification QC300801/US0001 and EIA 535BAAC

For quantities of 1000 and up, call for quote.

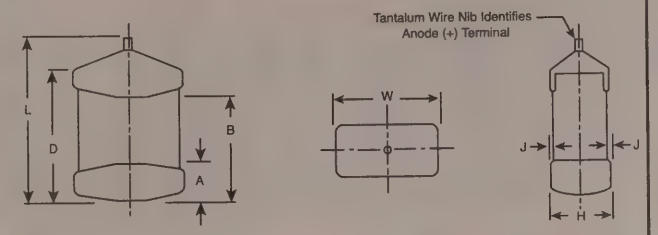
OUSER OCK NO.	VISHAY Part Number	Value (μF)	Case Size	Tol.± %	Price Each 1	50	100	500
olt								
3D6.3V10A	293D106X96R3A2T	10	A	10	.27	.23	.19	.17
3D6.3V10	293D106X96R3B2T	10	B	10	.33	.29	.24	.21
3D6.3V22	293D226X96R3C2T	22	C	10	.52	.45	.37	.34
3D6.3V68	293D686X96R3D2T	68	D	10	.92	.79	.66	.59
3D6.3V100	293D107X96R3D2T	100	D	10	.92	.79	.66	.59
lt								
3D10V2.2	293D225X9010A2T	2.2	A	10	.25	.21	.18	.16
3D10V2.2B	293D225X0020B2T	2.2	B	20	.33	.29	.24	.21
3D10V4.7	293D475X9010A2T	4.7	A	10	.25	.21	.18	.16
3D10V4.7B	293D475X9010B2T	4.7	B	10	.33	.29	.24	.21
3D10V6.8A	293D685X9010A2T	6.8	A	10	.27	.23	.19	.17

293D SERIES SOLID TANTALUM CHIP CAPACITORS (CONT.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VISHAY Part Number	Value (μF)	Case Size	Tol.± %	Price Each 1	50	100	500
10 Volt (Cont)								
74-293D10V6.8	293D685X9010B2T	6.8	B	10	.33	.29	.24	.21
74-293D10V10A	293D106X9010A2T	10	A	10	.28	.24	.20	.18
74-293D10V10	293D106X9010B2T	10	B	10	.33	.29	.24	.21
74-293D10V15	293D156X9010C2T	15	C	10	.52	.45	.37	.34
74-293D10V22B	293D226X9010B2T	22	B	10	.51	.44	.36	.33
74-293D10V22	293D226C9010C2T	22	C	10	.52	.45	.37	.34
74-293D10V33C	293D336X9010C2T	33	C	10	.57	.49	.41	.36
74-293D10V33D	293D336X9010D2T	33	D	10	.92	.79	.66	.59
74-293D10V47C	293D476X9010C2T	47	C	10	.70	.60	.50	.45
74-293D10V47	293D476X9010D2T	47	D	10	.92	.79	.66	.59
74-293D10V100D	293D107X9010D2T	100	D	10	1.12	.96	.80	.72
74-293D10V220E	293D227X9010E2T	220	E	10	3.39	2.90	2.42	2.18
16 Volt								
74-293D16V1.0	293D105X9016A2T	1	A	10	.25	.21	.18	.16
74-293D16V2.2	293D225X9016A2T	2.2	A	10	.25	.21	.18	.16
74-293D16V3.3	293D335X9016A2T	3.3	A	10	.25	.21	.18	.16
74-293D16V4.7A	293D475X9016A2T	4.7	A	10	.27	.23	.19	.17
74-293D16V4.7	293D475X9016B2T	4.7	B	10	.33	.29	.24	.21
74-293D16V10A	293D106X9016A2T	10	A	10	.30	.26	.21	.19
74-293D16V10B	293D106X9016B2T	10	B	10	.37	.32	.27	.24
74-293D16V10	293D106X9016C2T	10	C	10	.52	.45	.37	.34
74-293D16V10C	293D106X0016C2T	10	C	20	.52	.45	.37	.34
74-293D16V22B	293D226X9016B2T	22	B	10	.53	.46	.38	.34
74-293D16V22C	293D226X9016C2T	22	C	10	.57	.49	.41	.36
74-293D16V22	293D226X9016D2T	22	D	10	.92	.79	.66	.59
74-293D16V33	293D336X9016D2T	33	D	10	.92	.79	.66	.59
74-293D16V47C	293D476X9016C2T	47	C	10	.75	.64	.54	.48
74-293D16V47D	293D476X9016D2T	47	D	10	.92	.79	.66	.59
74-293D16V68D	293D686X9016D2T	68	D	10	1.12	.96	.80	.72
74-293D16V100D	293D107X9016D2T	100	D	10	1.46	1.25	1.05	.94
74-293D16V100E	293D107X9016E2T	100	E	10	2.77	2.38	1.98	1.78
20 Volt								
74-293D20V1.0	293D105X9020A2T	1.0	A	10	.25	.21	.18	.16
74-293D20V2.2B	293D225X9020B2T	2.2	B	10	.33	.29	.24	.21
74-293D20V3.3	293D335X9020B2T	3.3	B	10	.33	.29	.24	.21
74-293D20V4.7C	293D475X9020C2T	4.7	C	10	.52	.45	.37	.34
74-293D20V6.8C	293D685X9020C2T	6.8	C	10	.52	.45	.37	.34
74-293D20V10B	293D106X9020B2T	10	B	10	.51	.44	.36	.33
74-293D20V10C	293D106X0020C2T	10	C	20	.52	.45	.37	.34
74-293D20V22C	293D226X9020C2T	22	C	10	.70	.60	.50	.45
74-293D20V22	293D226X9020D2T	22	D	10	.92	.79	.66	.59
74-293D20V33	293D336X9020D2T	33	D	10	.92	.79	.66	.59
74-293D20V47D	293D476X9020D2T	47	D	10	1.12	.96	.80	.72
74-293D20V68E	293D686X9020E2T	68	E	10	2.77	2.38	1.98	1.78
74-293D20V100	293D107X9020E2T	100	E	10	3.39	2.90	2.42	2.18
25 Volt								
74-293D25V0.47	293D474X9025A2T	0.47	A	10	.25	.21	.18	.16
74-293D25V1.0	293D105X9025A2T	1.0	A	10	.27	.23	.19	.17
74-293D25V2.2	293D225X9025B2T	2.2	B	10	.33	.29	.24	.21
74-293D25V4.7	293D475X9025C2T	4.7	C	10	.52	.45	.37	.34
74-293D25V6.8C	293D685X9025C2T	6.8	C	10	.52	.45	.37	.34
74-293D25V10C	293D106X9025C2T	10	C	10	.57	.49	.41	.36
74-293D25V10D	293D106X9025D2T	10	D	10	.92	.79	.66	.59
74-293D25V15	293D156X9025D2T	15	D	10	.70	.60	.50	.45
74-293D25V22	293D226X9025D2T	22	D	10	.92	.79	.66	.59
74-293D25V33E	293D336X9025E2T	33	E	10	3.39	2.90	2.42	2.18
35 Volt								
74-293D35V0.1	293D104X9035A2T	0.1	A	10	.25	.21	.18	.16
74-293D35V0.33	293D334X9035A2T	0.3	A	10	.25	.21	.18	.16
74-293D35V1.0A	293D105X9035A2T	1.0	A	10	.30	.26	.21	.19
74-293D35V1.0	293D105X9035B2T	1.0	B	10	.33	.29	.24	.21
74-293D35V2.2	293D225X9035C2T	2.2	C	10	.52	.45	.37	.34
74-293D35V3.3	293D335X9035C2T	3.3	C	10	.52	.45	.37	.34
74-293D35V4.7	293D475X9035D2T	4.7	D	10	.92	.79	.66	.59
74-293D35V6.8	293D685X9035D2T	6.8	D	10	.92	.79	.66	.59
74-293D35V10	293D106X9035D2T	10	D	10	.92	.79	.66	.59
74-293D35V22	293D226X9035E2T	22.0	E	10	3.39	2.90	2.42	2.18
50 Volt								
74-293D50V1.0	293D105X9050C2T	1.0	C	10	.52	.45	.37	.34
74-293D50V2.2	293D225X9050D2T	2.2	D	10	.92	.79	.66	.59
74-293D50V3.3	293D335X9050D2T	3.3	D	10	.92	.79	.66	.59
74-293D50V4.7	293D475X9050D2T	4.7	D	10	1.15	.98	.82	.74
74-293D50V10	293D106X9050E2T	10	E	10	3.39	2.90	2.42	2.18

DIMENSIONS (mm)



Case Code	L (Max.)	W	H	A	B	D (Ref.)	J
T	.087 (2.2)	.045 ±.010 (1.1 ± 0.3)	.045 ± .010 (1.1 ± 0.3)	.016 ± .008 (.4 ± 0.2)	.042 ± .010 (1.07 ± 0.25)	.063 (1.6)	.0 (0
A	.146 (3.7)	.072 ± .010 (1.8 ± 0.3)	.056 ± .012 (1.4 ± 0.3)	.031 ± .012 (.08 ± .30)	.085 ± .015 (2.2 ± 0.4)	.115 (2.9)	.0 (0
B	.158 (4.0)	.110 + 0.12 -.016 (2.8 + 0.3-0.4)	.075 + .012-.024 (1.9 + 0.3-0.6)	.031 ± .012 (.80 ± .30)	.097 ± .016 (2.5 ± 0.4)	.138 (3.5)	.0 (0
C	.281 (7.1)	.126 ± .012 (3.2 ± 0.3)	.098 ± .012 (2.5 ± 0.3)	.051 ± .012 (1.3 ± .30)	.180 ± .024 (4.6 ± 0.6)	.236 (6.0)	.0 (0
D	.293 (7.5)	.170 ± .012 (4.3 ± 0.3)	.110 ± .012 (2.8 ± 0.3)	.051 ± .012 (1.3 ± 0.30)	.180 ± .024 (4.6 ± 0.6)	.253 (6.4)	.0 (0
R	.283 (7.2)	.235 ± .012 (6.0 ± 0.3)	.136 ± .012 (3.5 ± 0.3)	.051 ± .012 (1.3 ± .30)	.180 ± .024 (4.6 ± 0.6)	.243 (6.2)	.0 (0

594D SERIES SOLID TANTALUM CHIP CAPACITORS TANTAMOUNT®, LOW ESR, MAXIMUM CV

Features:

- Large capacitance rating range
- New extended range offering
- Operating Temperature Range: -55°C to +85°C (Derate Voltage 33%@125°C)
- Capacitance Range: 0.10µF to 1500µF
- Terminations: Tin (2) standard
- Voltage Rating: 4 WVDC to 50 WVDC
- Lowest ESR for a SMT tantalum capacitor

LEAD-FREE

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part No.	Value (µF)	Tol.± %	Case Code	Max. ESR @ +25°C, 100Hz	Price Each 1	50	100	500
4 Volt								
74—594D477X9004C2T	470	10	C	0.075	1.73	1.54	1.32	1.19
6.3Volt								
74—594D226X96R3B2T	22	10	B	0.38	1.05	.94	.80	.73
74—594D107X06R3B2T	100	20	B	0.25	1.03	.92	.82	.74
74—594D127X06R3C2T	120	20	C	0.085	1.30	1.17	1.04	.94
74—594D127X96R3C2T	120	10	C	0.085	1.43	1.27	1.09	.99
74—594D227X96R3D2T	220	10	D	0.065	2.03	1.81	1.55	1.40
74—594D337X06R3D2T	330	20	D	0.06	2.49	2.24	1.99	1.79
74—594D337X96R3D2T	330	10	D	0.06	2.74	2.44	2.09	1.89
74—594D397X96R3R2T	390	10	R	0.045	4.54	4.04	3.47	3.14
74—594D477X06R3R2T	470	20	R	0.05	4.13	3.71	3.30	2.97
74—594D477X96R3D2T	470	10	D	0.06	2.74	2.44	2.09	1.89
74—594D108X06R3R2T	1000	20	R	0.03	5.42	4.88	4.34	3.90
74—594D108X96R3R2T	1000	10	R	0.03	5.96	5.31	4.55	4.12
10 Volt								
74—594D476X0010B2T	47	20	B	0.4	1.03	.92	.82	.74
74—594D686X0010C2T	68	20	C	0.1	1.30	1.17	1.04	.94
74—594D686X9010C2T	68	10	C	0.1	1.43	1.27	1.09	.99
74—594D107X0010C2T	100	20	C	0.095	1.30	1.17	1.04	.94
74—594D157X9010C2T	150	10	C	0.09	1.73	1.54	1.32	1.19
74—594D157X0010C2T	150	20	C	0.09	1.57	1.41	1.26	1.13
74—594D157X9010D2T	150	10	D	0.075	2.03	1.81	1.55	1.40
74—594D157X0010D2T	150	20	D	0.075	1.84	1.66	1.47	1.33
74—594D227X9010D2T	220	10	D	0.065	2.74	2.44	2.09	1.89
74—594D227X0010D2T	220	20	D	0.065	2.49	2.24	1.99	1.79
74—594D337X9010R2T	330	10	R	0.045	4.54	4.04	3.47	3.14
74—594D337X0010R2T	330	20	R	0.045	4.13	3.71	3.30	2.97
16 Volt								
74—594D336X9016C2T	33	10	C	0.15	1.43	1.27	1.09	.99
74—594D336X0016C2T	33	20	C	0.15	1.30	1.17	1.04	.94
74—594D476X9016C2T	47	10	C	0.11	1.43	1.27	1.09	.99
74—594D107X9016C2T	100	10	C	0.08	1.73	1.54	1.32	1.19
74—594D107X0016C2T	100	20	C	0.08	1.57	1.41	1.26	1.13
74—594D107X9016D2T	100	10	D	0.075	2.03	1.81	1.55	1.40
74—594D107X0016D2T	100	20	D	0.075	1.84	1.66	1.47	1.33
74—594D187X9016R2T	180	10	R	0.055	4.54	4.04	3.47	3.14
74—594D187X0016R2T	180	20	R	0.055	4.13	3.71	3.30	2.97
74—594D227X9016R2T	220	10	R	0.055	5.44	4.85	4.15	3.76
74—594D227X0016R2T	220	20	R	0.055	4.95	4.45	3.96	3.56
20 Volt								
74—594D226X9020C2T	22	10	C	0.15	1.43	1.27	1.09	.99
74—594D226X0020C2T	22	20	C	0.15	1.30	1.17	1.04	.94
74—594D476X9020D2T	47	10	D	0.095	2.03	1.81	1.55	1.40
74—594D476X0020D2T	47	20	D	0.095	1.84	1.66	1.47	1.33
74—594D127X0020R2T	120	20	R	0.08	4.13	3.71	3.30	2.97
25 Volt								
74—594D156X0025C2T	15	20	C	0.22	1.30	1.17	1.04	.94
74—594D336X9025D2T	33	10	D	0.13	2.03	1.81	1.55	1.40
74—594D336X0025D2T	33	20	D	0.13	1.84	1.66	1.47	1.33
74—594D686X9025R2T	68	10	R	0.095	4.54	4.04	3.47	3.14
74—594D107X0025R2T	100	20	R	0.09	4.95	4.45	3.96	3.56
35 Volt								
74—594D685X0035C2T	6.8	20	C	0.43	1.30	1.17	1.04	.94
74—594D156X9035D2T	15	10	D	0.27	2.03	1.81	1.55	1.40
74—594D156X0035D2T	15	20	D	0.27	1.84	1.66	1.47	1.33
74—594D336X9035R2T	33	10	R	0.2	4.54	4.04	3.47	3.14
74—594D336X0035R2T	33	20	R	0.2	4.13	3.71	3.30	2.97
50 Volt								
74—594D475X0050C2T	4.7	20	C	1	1.43	1.29	1.14	1.03
74—594D685X0050D2T	6.8	20	D	0.45	2.03	1.82	1.62	1.46
74—594D156X9050R2T	15	10	R	0.35	4.99	4.45	3.81	3.45
74—594D156X0050R2T	15	20	R	0.35	4.54	4.09	3.63	3.27

595D SERIES SOLID TANTALUM CHIP CAPACITORS TANTAMOUNT®, MAXIMUM CV

Features:

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- Capacitance Range: 0.10µF to 1500µF
- Terminations: Tin (2) standard
- Voltage Rating: 4 WVDC to 50 WVDC

LEAD-FREE

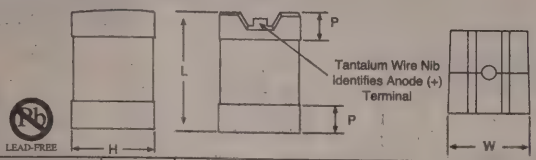
For quantities of 1000 and up, call for

MOUSER STOCK NO. / Mfr. Mfr. Part No.	Value (µF)	Tol.± %	Case Code	Max. ESR @ +25°C, 100Hz	Price Each 1	50	100
4 Volt							
74—595D336X9004A2T	33	10	A	1.4	.80	.72	.61
74—595D107X9004B2T	100	10	B	0.45	1.00	.89	.76
74—595D397X9004D2T	390	10	D	0.13	2.18	1.94	1.67
74—595D477X9004C2T	470	10	C	0.16	1.53	1.37	1.17
74—595D687X9004D2T	680	10	D	0.13	2.18	1.94	1.67
6.3 Volt							
74—595D685X96R3T2T	6.8	10	T	8.5	1.39	1.24	1.06
74—595D226X96R3A2T	22	10	A	1.7	.80	.72	.61
74—595D226X96R3B2T	22	10	B	0.57	.88	.78	.67
74—595D336X96R3A2T	33	10	A	1.7	.80	.72	.61
74—595D476X96R3A2T	47	10	A	1.5	.80	.72	.61
74—595D686X06R3B2T	68	20	B	0.55	.91	.81	.72
74—595D227X96R3C2T	220	10	C	0.18	1.53	1.37	1.17
74—595D337X96R3D2T	330	10	D	0.14	2.18	1.94	1.67
74—595D477X96R3D2T	470	10	D	0.13	2.18	1.94	1.67
74—595D567X96R3R2T	560	10	R	0.11	4.37	3.89	3.34
74—595D687X06R3R2T	680	20	R	0.09	3.97	3.58	3.18
74—595D108X96R3R2T	1000	10	R	0.07	5.46	4.86	4.17
10 Volt							
74—595D475X9010T2T	4.7	10	T	8.6	1.39	1.24	1.06
74—595D106X9010A2T	10	10	A	1.9	.73	.65	.56
74—595D106X0010A2T	10	20	A	1.9	.67	.60	.53
74—595D156X9010A2T	15	10	A	1.8	.80	.72	.61
74—595D226X9010A2T	22	10	A	1.8	.80	.72	.61
74—595D476X0010B2T	47	20	B	0.65	.91	.81	.72
74—595D157X0010C2T	150	20	C	0.22	1.40	1.26	1.12
74—595D227X9010D2T	220	10	D	0.14	2.18	1.94	1.67
74—595D397X9010R2T	390	10	R	0.12	4.37	3.89	3.34
74—595D477X9010R2T	470	10	R	0.12	4.37	3.89	3.34
16 Volt							
74—595D106X9016B2T	10	10	B	0.76	.88	.78	.67
74—595D336X0016B2T	33	20	B	0.72	.91	.81	.72
74—595D107X9016C2T	100	10	C	0.3	1.53	1.37	1.17
74—595D107X0016C2T	100	20	C	0.27	1.40	1.26	1.12
74—595D157X0016D2T	150	20	D	0.14	1.98	1.78	1.59
74—595D227X9016R2T	220	10	R	0.12	4.37	3.89	3.34
20 Volt							
74—595D475X9020A2T	4.7	10	A	3.1	.80	.72	.61
74—595D106X9020B2T	10	10	B	1	1.00	.89	.76
74—595D156X0020B2T	15	20	B	1	.91	.81	.72
74—595D476X9020C2T	47	10	C	0.35	1.53	1.37	1.17
74—595D107X9020D2T	100	10	D	0.18	2.18	1.94	1.67
74—595D107X0020D2T	100	20	D	0.18	1.98	1.78	1.59
74—595D107X9020R2T	100	10	R	0.14	3.64	3.24	2.78
74—595D157X9020R2T	150	10	R	0.14	4.37	3.89	3.34
25 Volt							
74—595D225X9025A2T	2.2	10	A	3.8	.80	.72	.61
74—595D106X9025B2T	10	10	B	1.5	1.00	.89	.76
74—595D476X9025D2T	47	10	D	0.26	2.18	1.94	1.67
74—595D107X9025R2T	100	10	R	0.2	4.37	3.89	3.34
74—595D107X0025R2T	100	20	R	0.2	3.97	3.58	3.18
35 Volt							
74—595D475X9035B2T	4.7	10	B	2.2	1.00	.89	.76
74—595D156X0035C2T	15	20	C	0.6	1.40	1.26	1.12
74—595D226X9035D2T	22	10	D	0.32	2.18	1.94	1.67
74—595D476X9035R2T	47	10	R	0.28	4.37	3.89	3.34
50 Volt							
74—595D106X9050D2T	10	10	D	0.8	2.40	2.14	1.83
74—595D226X9050R2T	22	10	R	0.39	4.81	4.28	3.67

VISHAY

2D SERIES SOLID TANTALUM CHIP CAPACITORS
NTAMOUNT® LEAD FRAMELESS MOLDED

ures:
05 Footprint
mm and 1.5mm Max. Height
aparound tin terminations
erating Temperature: -55°C to +85°C
% Tolerance stocked, 20% tolerance
liable



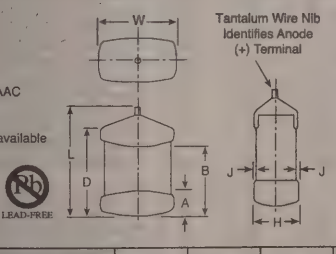
DIMENSIONS: mm (IN)					
Case Code	EIA Code	L	W	H	P
R	0805 (2012)	0.079 ± 0.008 (2.0 ± 0.2)	0.051 ± 0.008 (1.3 ± 0.2)	0.047 (Max.) (1.2 Max.)	0.020 ± 0.012 (0.5 ± 0.3)
P	0805 (2012)	0.079 ± 0.010 (2.0 ± 0.25)	0.053 ± 0.008 (1.35 ± 0.2)	0.053 ± 0.008 (1.35 ± 0.2)	0.020 ± 0.012 (0.5 ± 0.3)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (µF)	Case Code	Max. DCL @ +25°C (µA)	Max. DF @ +25°C (%)	Max. ESR@ +25°C, 100KHz (Ω)	Price Each 1	Price Each 10	Price Each 100	Reel Qty.	Price Per Piece
292D476X9003P2T	292D476X9003P2T	3	47	P	0.5	6	7.6	.92	.71	.61	2500	.32
292D685X9004R2T	292D685X9004R2T	4	6.8	R	0.5	6	5.5	.74	.57	.49	2500	.25
292D106X9004R2T	292D106X9004R2T	4	10	R	0.5	6	5.1	.74	.57	.49	2500	.25
292D156X9004R2T	292D156X9004R2T	4	15	R	0.8	8	3.5	.82	.64	.55	2500	.28
292D225X96R3R2T	292D225X96R3R2T	6.3	2.2	R	0.5	10	3	.74	.57	.49	2500	.25
292D475X96R3R2T	292D475X96R3R2T	6.3	4.7	R	0.6	6	3.4	.74	.57	.49	2500	.25
292D685X96R3R2T	292D685X96R3R2T	6.3	6.8	R	0.5	6	5	.74	.57	.49	2500	.25
292D226X96R3P2T	292D226X96R3P2T	6.3	22	P	1.3	10	3.5	.92	.77	.71	2500	.25
292D226X96R3R2T	292D226X96R3R2T	6.3	22	R	1.4	10	3.5	.94	.73	.62	2500	.32
292D336X96R3P2T	292D336X96R3P2T	6.3	33	P	2.1	12	3.5	.92	.71	.61	2500	.32
292D105X9010R2T	292D105X9010R2T	10	1	R	0.5	4	9.6	.82	.64	.55	2500	.28
292D335X9010P2T	292D335X9010P2T	10	3.3	P	0.5	8	2	.72	.56	.48	2500	.25
292D475X9010R2T	292D475X9010R2T	10	4.7	R	0.5	8	5	.76	.63	.59	2500	.24
292D106X9010P2T	292D106X9010P2T	10	10	P	1	8	2	.81	.63	.54	2500	.28
292D106X9010R2T	292D106X9010R2T	10	10	R	1	8	2	.82	.64	.55	2500	.28
292D105X9016R2T	292D105X9016R2T	16	1	R	0.5	4	9.3	.82	.64	.55	2500	.28
292D225X9016R2T	292D225X9016R2T	16	2.2	R	0.35	8	6	.82	.64	.55	2500	.28
292D335X9016R2T	292D335X9016R2T	16	3.3	R	0.53	8	3	.82	.64	.55	2500	.28
292D475X9016R2T	292D475X9016R2T	16	4.7	R	0.75	8	6	.82	.64	.55	2500	.28
292D106X9016P2T	292D106X9016P2T	16	10	P	1.6	8	6	.92	.71	.61	2500	.32
292D105X9020R2T	292D105X9020R2T	20	1	R	0.2	8	5	.82	.64	.55	2500	.28
292D225X9020R2T	292D225X9020R2T	20	2.2	R	0.5	8	6	.82	.64	.55	2500	.28

2D SERIES SOLID TANTALUM CHIP CAPACITORS
NTAMOUNT®, LOW PROFILE, CONFORMAL
ATED, MAXIMUM CV

ures:
w extended range offerings
mm and 2.5mm Height
minations: Lead (Pb)-free
w Impedance
e code compatability with EIA 535BAAC
CECC 30801 molded chips
erating Temperature: -55°C to +85°C
% Tolerance stocked, 20% tolerance available



DIMENSIONS: mm (IN)								
Case Code	Suffix	H	L (Max.)	W	A	B	D (Ref.)	J (Max.)
A	15H	0.047 ± 0.012 (1.2 ± 0.3)	0.146 (3.7)	0.072 ± 0.012 (1.8 ± 0.3)	0.031 ± 0.012 (0.80 ± 0.3)	0.087 ± 0.016 (2.2 ± 0.4)	0.115 (2.9)	0.004 (0.1)
B	15H	0.047 ± 0.012 (1.2 ± 0.3)	0.158 (4.0)	0.110 ± 0.012 (2.8 ± 0.3)	0.031 ± 0.012 (0.80 ± 0.3)	0.097 ± 0.016 (2.5 ± 0.4)	0.139 (3.5)	0.004 (0.1)
C	15H	0.047 ± 0.012 (1.2 ± 0.3)	0.281 (7.1)	0.126 ± 0.012 (3.2 ± 0.3)	0.051 ± 0.012 (1.3 ± 0.3)	0.180 ± 0.024 (4.4 ± 0.6)	0.238 (6.0)	0.004 (0.1)
D	15H	0.047 ± 0.012 (1.2 ± 0.3)	0.298 (7.5)	0.170 ± 0.012 (4.3 ± 0.3)	0.051 ± 0.012 (1.3 ± 0.3)	0.180 ± 0.024 (4.6 ± 0.6)	0.254 (6.4)	0.004 (0.1)
R	15H	0.047 ± 0.012 (1.2 ± 0.3)	0.285 (7.2)	0.235 ± 0.012 (6.0 ± 0.3)	0.051 ± 0.012 (1.3 ± 0.3)	0.180 ± 0.024 (4.6 ± 0.6)	0.246 (6.2)	0.004 (0.1)
R	20H	0.079 (2.0 max.)	0.285 (7.2)	0.235 ± 0.012 (6.0 ± 0.3)	0.051 ± 0.012 (1.3 ± 0.3)	0.180 ± 0.024 (4.6 ± 0.6)	0.246 (6.2)	0.004 (0.1)
X	20H	0.079 (2.0 max.)	0.575 (14.5)	0.290 ± 0.010 (7.37 ± 0.25)	0.051 ± 0.016 (1.3 ± 0.4)	0.470 ± 0.024 (11.9 ± 0.6)	0.524 (13.2)	0.004 (0.1)
X	25H	0.098 (2.5 max.)	0.575 (14.5)	0.290 ± 0.010 (7.37 ± 0.25)	0.051 ± 0.016 (1.3 ± 0.4)	0.470 ± 0.024 (11.9 ± 0.6)	0.524 (13.2)	0.004 (0.1)

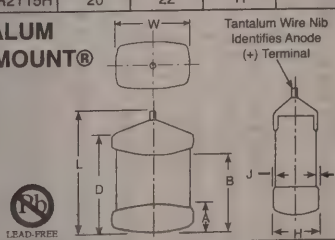
Note: The anode termination (D less B) will be a minimum of 0.012 (0.3mm).

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (µF)	Case Code	Max. DCL @ +25°C (µA)	Max. DF @ +25°C (%)	Max. ESR@ +25°C, 100KHz (Ω)	Price Each 1	Price Each 10	Price Each 50	Reel Qty.	Price Per Piece
592D477X96R3W2T	592D477X96R3R2T20H	6.3	470	R	29.6	10	0.1	2.50	2.11	1.96	1000	1.42
592D108X96R3X2T	592D108X96R3X2T20H	6.3	1000	X	63	16	0.04	4.97	4.19	3.90	500	3.51
592D158X96R3X2T	592D158X96R3X2T25H	6.3	1500	X	95	25	0.045	4.97	4.19	3.90	500	3.51
592D228X96R3X2T	592D228X96R3X2T20H	6.3	2200	X	139	35	0.055	4.97	4.19	3.90	500	3.51
592D338X96R3Y2T	592D338X96R3X2T25H	6.3	3300	X	208	35	0.055	5.74	4.84	4.50	500	4.05
592D106X9010B2T	592D106X9010B2T15H	10	10	B	1	6	1.7	.89	.75	.70	2000	.51
592D336X9010D2T	592D336X9010D2T15H	10	33	D	3.3	6	0.3	1.46	1.23	1.15	1000	.83
592D106X9016C2T	592D106X9016C2T15H	16	10	C	1.6	6	1	1.22	1.03	.96	1000	.69
592D226X9016D2T	592D226X9016D2T15H	16	22	D	3.5	6	0.4	1.46	1.23	1.15	1000	.83
592D685X9020C2T	592D685X9020C2T15H	20	6.8	C	1.4	6	1.1	1.22	1.03	.96	1000	.69
592D226X9020R2T	592D226X9020R2T15H	20	22	R	4.4	6	0.28	2.30	1.94	1.80	1000	1.31

5D SERIES SOLID TANTALUM
IP CAPACITORS TANTAMOUNT®
NFORMAL COATED

ures:
ified CECC, 30801/006/008 - CTC2
rating Temperature: -55°C to +85°C
Tolerance stocked, 20% tolerance available



DIMENSIONS: mm (IN)								
Case Code	EIA Size	L (Max.)	W	H	A	B	D (Ref.)	J (Max.)
R	7257	0.283 (7.2)	0.235 ± 0.013 (6.0 ± 0.3)	0.136 ± 0.010 (3.15 ± 0.3)	0.051 ± 0.013 (1.3 ± 0.3)	0.180 ± 0.025 (4.6 ± 0.6)	0.243 (6.20)	0.004 (0.10)
S	3518	0.143 (3.63)	0.072 ± 0.008 (1.83 ± 0.20)	0.048 ± 0.008 (1.22 ± 0.20)	0.023 ± 0.010 (0.58 ± 0.25)	0.085 ± 0.015 (2.16 ± 0.37)	0.115 (2.90)	0.004 (0.10)
X	7227	0.285 (7.24)	0.104 ± 0.010 (2.65 ± 0.25)	0.051 ± 0.010 (1.30 ± 0.25)	0.040 ± 0.020 (1.00 ± 0.50)	0.200 ± 0.027 (5.08 ± 0.69)	0.243 (6.20)	0 004 (0.10)
Z	7227	0.285 (7.24)	0.104 ± 0.010 (2.65 ± 0.25)	0.104 ± 0.010 (2.65 ± 0.25)	0.040 ± 0.020 (1.00 ± 0.50)	0.200 ± 0.023 (5.08 ± 0.59)	0.243 (6.20)	0.004 (0.10)

For quantities of 500 and up, call for quote.

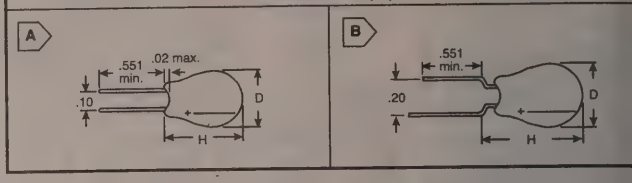
MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (µF)	Case Code	Max. DCL @ +25°C (µA)	Max. DF @ +25°C (%)	Price Each 1	Price Each 10	Price Each 25	Reel Qty.	Price Per Piece
95D226X9010Y2T	195D226X9010Y2T	10	22	Y	2.2	6	1.16	1.38	1.15	1500	.63
95D106X9016X2T	195D106X9016X2T	16	10	X	1.5	6	1.48	1.16	1.06	2000	.86
95D226X9020Z2T	195D226X9020Z2T	20	22	Z	4.4	6	2.02	1.59	1.45	1500	.87
95D25V4.7	195D475X9025X2T	25	4.7	X	1.2	6	1.48	1.16	1.06	2000	.63
95D156X9025Z2T	195D156X9025Z2T	25	15	Z	3.8	6	2.02	1.59	1.45	1500	.87
95D336X9025R2T	195D336X9025R2T	25	33	R	8.3	6	7.55	5.93	5.39	600	3.23
95D35V1.0	195D105X9035S2T	35	1	S	0.5	4	1.08	.85	.77	2500	.46
95D225X0035X2T	195D225X0035X2T	35	2.2	X	0.8	6	1.48	1.16	1.06	2000	.63
95D106X9035Z2T	195D106X9035Z2T	35	10	Z	3.5	6	2.02	1.59	1.45	1500	.87
95D226X9035R2T	195D226X9035R2T	35	22	R	7.7	6	7.55	5.93	5.39	600	3.23
95D225X9050Y2T	195D225X9050Y2T	50	2.2	Y	1.1	6	1.77	1.52	1.27	1500	.86
95D50V4.7	195D475X9050Z2T	50	4.7	Z	2.4	6	2.24	1.76	1.60	1500	.96

TAP SERIES EPOXY DIPPED RADIAL TANTALUM CAPACITORS

TAP is a professional grade device manufactured with a flame retardant coating and featuring low "leakage current and impedance, very small physical sizes and exceptional temperature stability." It is designed and conditioned to operate to +125°C. Available in various lead configuration, tolerances, and packaging. Contact a Mouser Sales Representative for more information. Voltages listed are at 85°C. Derate voltage 33% at 125°C.

TAP types are all offered on radial tape, in reel format for use on high speed radial automatic insertion equipment, or performing machines. The tape format is compatible with EIA 468A standard for component taping set out by major manufacturers of radial automatic insertion equipment.

DIMENSIONS (IN)



MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Value (µF)	Fig.	Dimensions (In.) D	H	LS	Tol. ± %	Bulk Price Each 1	100	500	1000	MOUSER STOCK NO. Mfr.	Mfr. Part No.	Reel Quanity	Price pe Piece
6.3 Volt (8V Surge)															
581	TAP685K006SCS	6.8	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP685K006SRW	1500	.22
581	TAP106K006SCS	10	A	0.18	0.3	0.1	10	.50	.33	.30	.28	581	TAP106K006SRW	1250	.27
581	TAP226K006SCS	22	A	0.2	0.35	0.1	10	.66	.44	.40	.37	581	TAP226K006SRW	1250	.36
581	TAP336K006SCS	33	A	0.22	0.35	0.1	10	.71	.47	.42	.40	581	TAP336K006SRW	1000	.40
581	TAP476K006SCS	47	A	0.24	0.39	0.1	10	.78	.52	.47	.44	581	TAP476K006SRW	1000	.44
581	TAP686K006SCS	68	A	0.26	0.39	0.1	10	.93	.62	.56	.53	581	TAP686K006SRW	750	.55
581	TAP107K006SCS	100	A	0.28	0.41	0.1	10	2.22	1.48	1.33	1.26	581	TAP107K006SRW	750	1.30
581	TAP157K006CCS	150	B	0.33	0.49	0.2	10	2.85	1.90	1.74	1.62	581	TAP157K006CRW	1500	1.57
10 Volt (13V Surge)															
581	TAP335K010SCS	3.3	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP335K010SRW	1500	.22
581	TAP475K010SCS	4.7	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP475K010SRW	1500	.22
581	TAP685K010SCS	6.8	A	0.18	0.30	0.1	10	.56	.37	.33	.31	581	TAP685K010SRW	1250	.30
581	TAP106K010SCS	10	A	0.2	0.33	0.1	10	.56	.37	.33	.31	581	TAP106K010SRW	1250	.30
581	TAP156K010SCS	15	A	0.2	0.35	0.1	10	.66	.44	.40	.37	581	TAP156K010SRW	1250	.36
581	TAP226K010SCS	22	A	0.22	0.35	0.1	10	.75	.50	.45	.43	581	TAP226K010SRW	1000	.43
581	TAP336K010SCS	33	A	0.24	0.39	0.1	10	.87	.58	.52	.49	581	TAP336K010SRW	1000	.49
581	TAP476K010SCS	47	A	0.26	0.39	0.1	10	1.53	1.02	.92	.87	581	TAP476K010SRW	750	.90
581	TAP686K010SCS	68	A	0.28	0.41	0.1	10	2.22	1.48	1.33	1.26	581	TAP686K010SRW	750	1.29
581	TAP107K010CCS	100	B	0.33	0.49	0.2	10	2.85	1.90	1.71	1.62	581	TAP107K010CRW	500	1.71
581	TAP157K010CCS	150	B	0.35	0.63	0.2	10	5.64	3.76	3.38	3.20	581	TAP157K010CRW	500	3.38
581	TAP227K010CCS	220	B	0.39	0.67	0.2	10	6.96	4.64	4.18	3.94	581	TAP227K010CRW	500	4.18
16 Volt (20V Surge)															
581	TAP225K016SCS	2.2	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP225K016SRW	1500	.22
581	TAP335K016SCS	3.3	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP335K016SRW	1500	.22
581	TAP475K016SCS	4.7	A	0.18	0.3	0.1	10	.50	.33	.30	.28	581	TAP475K016SRW	1250	.27
581	TAP685K016SCS	6.8	A	0.2	0.33	0.1	10	.59	.39	.35	.33	581	TAP685K016SRW	1250	.32
581	TAP106K016SCS	10	A	0.2	0.35	0.1	10	.60	.40	.36	.34	581	TAP106K016SRW	1250	.33
581	TAP156K016SCS	15	A	0.22	0.35	0.1	10	.80	.53	.48	.45	581	TAP156K016SRW	1000	.45
581	TAP226K016SCS	22	A	0.24	0.39	0.1	10	.80	.53	.48	.45	581	TAP226K016SRW	1000	.45
581	TAP336K016SCS	33	A	0.24	0.39	0.1	10	1.53	1.02	.92	.87	581	TAP336K016SRW	1000	.87
581	TAP476K016SCS	47	A	0.31	0.45	0.1	10	2.36	1.57	1.41	1.34	581	TAP476K016SRW	750	1.38
581	TAP686K016SCS	68	A	0.35	0.49	0.1	10	2.85	1.90	1.71	1.62	581	TAP686K016SRW	1500	1.57
581	TAP107K016CCS	100	B	0.35	0.63	0.2	10	6.06	4.04	3.64	3.43	581	TAP107K016CRW	500	3.64
20 Volt (25V Surge)															
581	TAP225K020SCS	2.2	A	0.18	0.28	0.1	10	.46	.30	.27	.26	581	TAP225K020SRW	1500	.25
581	TAP106K020SCS	10	A	0.22	0.35	0.1	10	.75	.50	.45	.43	581	TAP106K020SRW	1000	.43
581	TAP156K020SCS	15	A	0.24	0.39	0.1	10	.81	.54	.49	.46	581	TAP156K020SRW	1000	.46
581	TAP226K020SCS	22	A	0.28	0.41	0.1	10	1.50	1.00	.90	.85	581	TAP226K020SRW	1500	.82
581	TAP336K020SCS	33	A	0.31	0.45	0.1	10	2.16	1.44	1.30	1.22	581	TAP336K020SRW	1500	1.18
581	TAP476K020CCS	47	B	0.33	0.55	0.2	10	2.67	1.78	1.60	1.51	581	TAP476K020CRW	500	1.60
581	TAP686K020CCS	68	B	0.35	0.63	0.2	10	6.06	4.04	3.64	3.43	581	TAP686K020CRW	1500	3.33
581	TAP107K020CCS	100	B	0.35	0.63	0.2	10	6.96	4.64	4.18	3.94	581	TAP107K020CRW	500	4.18
25 Volt (32V Surge)															
581	TAP105K025SCS	1	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP105K025SRW	1500	.22
581	TAP155K025SCS	1.5	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP155K025SRW	1500	.22
581	TAP225K025SCS	2.2	A	0.18	0.28	0.1	10	.50	.33	.30	.28	581	TAP225K025SRW	1500	.27
581	TAP335K025SCS	3.3	A	0.18	0.3	0.1	10	.50	.33	.30	.28	581	TAP335K025SRW	1250	.27
581	TAP475K025SCS	4.7	A	0.2	0.33	0.1	10	.59	.39	.35	.33	581	TAP475K025SRW	1250	.32
581	TAP685K025SCS	6.8	A	0.2	0.35	0.1	10	.80	.53	.48	.45	581	TAP685K025SRW	1250	.44
581	TAP106K025SCS	10	A	0.22	0.35	0.1	10	.80	.53	.48	.45	581	TAP106K025SRW	1000	.48
581	TAP156K025SCS	15	A	0.24	0.39	0.1	10	1.70	1.13	1.02	.96	581	TAP156K025SRW	1000	.96
581	TAP226K025SCS	22	A	0.28	0.41	0.1	10	2.22	1.48	1.33	1.26	581	TAP226K025SRW	750	1.30
581	TAP336K025SCS	33	A	0.31	0.45	0.1	10	2.84	1.89	1.70	1.61	581	TAP336K025SRW	1500	1.56
581	TAP476K025CCS	47	B	0.35	0.57	0.2	10	4.29	2.86	2.57	2.43	581	TAP476K025CRW	500	2.57
35 Volt (44V Surge)															
581	TAP104K035SCS	0.1	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP104K035SRW	1500	.22
581	TAP154K035SCS	0.15	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP154K035SRW	1500	.22
581	TAP224K035SCS	0.22	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP224K035SRW	1500	.22
581	TAP334K035SCS	0.33	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP334K035SRW	1500	.22
581	TAP474K035SCS	0.47	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP474K035SRW	1500	.22
581	TAP684K035SCS	0.68	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP684K035SRW	1500	.22
581	TAP105K035SCS	1	A	0.18	0.28	0.1	10	.40	.26	.24	.23	581	TAP105K035SRW	1500	.22
581	TAP155K035SCS	1.5	A	0.18	0.28	0.1	10	.46	.30	.27	.26	581	TAP155K035SRW	1500	.25
581	TAP225K035SCS	2.2	A	0.18	0.3	0.1	10	.52	.34	.31	.29	581	TAP225K035SRW	1250	.29
581	TAP335K035SCS	3.3	A	0.2	0.33	0.1	10	.62	.41	.37	.35	581	TAP335K035SRW	1250	.35
581	TAP475K035SCS	4.7	A	0.22	0.35	0.1	10	.66	.44	.40	.37	581	TAP475K035SRW	1000	.37
581	TAP685K035SCS	6.8	A	0.24	0.39	0.1	10	.77	.51	.46	.43	581	TAP685K035SRW	1000	.43
581	TAP106K035SCS	10	A	0.24	0.39	0.1	10	1.28	.85	.77	.72	581	TAP106K035SRW	1000	.72
581	TAP156K035SCS	15	A	0.28	0.41	0.1	10	2.67	1.78	1.60	1.51	581	TAP156K035SRW	750	1.51
581	TAP226K035SCS	22	A	0.33	0.49	0.1	10	2.67	1.78	1.60	1.51	581	TAP226K035SRW	500	1.60
581	TAP336K035CCS	33	B	0.35	0.57	0.2	10	4.68	3.12	2.81	2.65	581	TAP336K035CRW	500	2.81
581	TAP476K035CCS	47	B	0.35	0.63	0.2	10	6.96	4.64	4.18	3.94	581	TAP476K035CRW	500	4.18
50 Volt (63V Surge)															
581	TAP104K050SCS	0.1	A	0.18	0.28	0.1	10	.44	.30	.27	.25	581	TAP104K050SRW	1500	.25
581	TAP224K050SCS	0.22	A	0.18	0.28	0.1	10	.44	.30	.27	.25	581	TAP224K050SRW	1500	.25
581	TAP334K050SCS	0.33	A	0.18	0.28	0.1	10	.44	.30	.27	.25	581	TAP334K050SRW	1500	.25
581	TAP474K050SCS	0.47	A	0.18	0.28	0.1	10	.50	.33	.30	.28	581	TAP474K050SRW	1500	.25
581	TAP684K050SCS	0.68	A	0.18	0.3	0.1	10	.50	.33	.30	.28	581	TAP684K050SRW	1250	.25
581	TAP105K050SCS	1	A	0.2	0.33	0.1	10	.50	.33	.30	.28	581	TAP105K050SRW	1250	.25
581	TAP225K050SCS	2.2	A	0.22	0.35	0.1	10	.80	.53	.48	.45	581	TAP225K050SRW	1000	.45
581	TAP335K050SCS	3.3	A	0.24	0.39	0.1	10	.87	.58	.52	.49	581	TAP335K050SRW	1000	.49
581	TAP475K050SCS	4.7	A	0.26	0.39	0.1	10	1.10	.73	.66	.62	581	TAP475K050SRW	750	.62

"ULTRA DIP II" TANTALUM CAPACITORS, 10% TOLERANCE

MET "Ultra Dip II" Series, miniature dipped solid tantalum capacitors, provide the designer with the advantage of compactness plus low leakage and low DF performance characteristics for filtering, bypassing, coupling, blocking and ng circuits. The plastic case provides a tough barrier coating and maintains precision of lead wire spacing within ±0.015 inch. The gold color epoxy utilized permits laser marking with outstanding permanency and legibility. All case e printed with capacitance, voltage, polarity, and vendor identification. Solid tantalum devices exhibit no degradation failure mode during shelf storage and show a constantly decreasing failure rate (i.e., absence of wearout ism) during life tests. The "UltraDip II" Series provides self-insulation cases which are resistant to shock and vibration. These capacitors exhibit low DCL, ESR and Impedance and have excellent temperature stability. Voltages e at 85°C. Derate voltage 33% at 125°C.

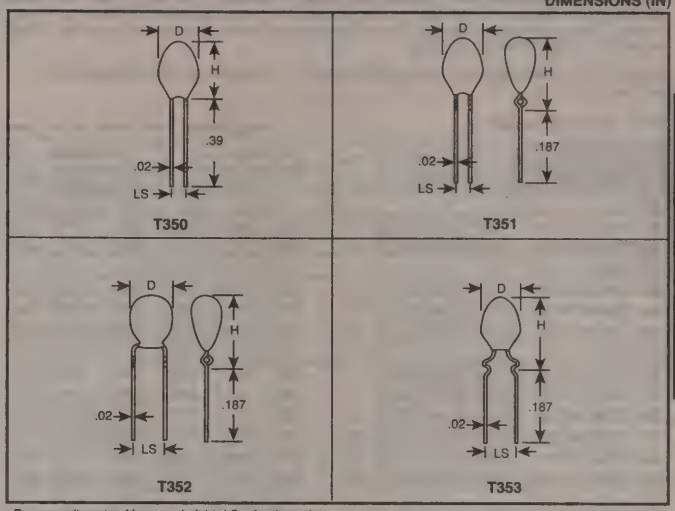
e in various lead configuration, tolerances, and packaging. Contact a Mouser Sales Representative for more information.

Straight Lead

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
olt								
50E336K006	T350E336K006AS	33	.216	.350	.100	.78	.69	.53
50F476K006	T350F476K006AS	47	.258	.390	.100	.92	.81	.63
50G686K006	T350G686K006AS	68	.250	.400	.100	1.26	1.11	.86
50H107K006	T350H107K006AS	100	.300	.400	.100	2.40	2.10	1.62
50L337K006	T350L337K006AS	330	.350	.630	.200	8.50	7.45	5.75
lt								
50A475K010	T350A475K010AS	4.7	.175	.280	.100	.39	.34	.26
50B685K010	T350B685K010AS	6.8	.175	.300	.100	.46	.41	.34
50C106K010	T350C106K010AS	10	.196	.330	.100	.46	.41	.31
50E226K010	T350E226K010AS	22	.216	.350	.100	.73	.64	.49
50F336K010	T350F336K010AS	33	.258	.390	.100	.84	.74	.57
50H476K010	T350H476K010AS	47	.300	.400	.100	1.77	1.55	1.20
50H686K010	T350H686K010AS	68	.300	.400	.100	2.07	1.82	1.40
50J107K010	T350J107K010AS	100	.330	.500	.200	2.56	2.24	1.73
50L227K010	T350L227K010AS	220	.350	.630	.200	8.50	7.45	5.75
lt								
50A155K016	T350A155K016AS	1.5	.175	.280	.100	.44	.39	.30
50A225K016	T350A225K016AS	2.2	.175	.280	.100	.34	.30	.27
50A335K016	T350A335K016AS	3.3	.175	.280	.100	.34	.30	.27
50B475K016	T350B475K016AS	4.7	.175	.300	.100	.46	.41	.31
50E106K016	T350E106K016AS	10	.216	.350	.100	.48	.42	.32
50E156K016	T350E156K016AS	15	.216	.350	.100	.70	.62	.48
50F226K016	T350F226K016AS	22	.258	.390	.100	.73	.64	.49
50H336K016	T350H336K016AS	33	.300	.400	.100	1.71	1.50	1.16
50J476K016	T350J476K016AS	47	.330	.500	.200	2.18	1.90	1.47
50K686K016	T350K686K016AS	68	.350	.530	.200	2.82	2.46	1.90
50L107K016	T350L107K016AS	100	.350	.630	.200	5.47	4.79	3.69
50M157K016	T350M157K016AS	150	.400	.630	.200	8.50	7.45	5.75
lt								
50C475K020	T350C475K020AS	4.7	.196	.330	.100	.54	.47	.36
50E106K020	T350E106K020AS	10	.216	.350	.100	.62	.55	.42
50F156K020	T350F156K020AS	15	.258	.390	.100	.87	.76	.59
50G226K020	T350G226K020AS	22	.250	.400	.100	1.71	1.50	1.16
50K476K020	T350K476K020AS	47	.350	.530	.200	2.72	2.38	1.84
50L686K020	T350L686K020AS	68	.350	.360	.200	6.12	5.36	4.13
50M107K020	T350M107K020AS	100	.400	.670	.200	6.12	5.36	4.13
lt								
50A105K025	T350A105K025AS	1.0	.175	.280	.100	.34	.30	.27
50B225K025	T350B225K025AS	2.2	.175	.300	.100	.42	.37	.32
50B335K025	T350B335K025AS	3.3	.175	.300	.100	.50	.43	.34
50C475K025	T350C475K025AS	4.7	.196	.330	.100	.57	.50	.38
50E106K025	T350E106K025AS	10	.216	.350	.100	.67	.59	.45
50H226K025	T350H226K025AS	22	.300	.400	.100	1.98	1.74	1.34
50J336K025	T350J336K025AS	33	.330	.500	.200	2.72	2.38	1.84
50K476K025	T350K476K025AS	47	.350	.530	.200	3.97	3.47	2.67
50L686K025	T350L686K025AS	68	.350	.630	.200	8.50	7.45	5.75
lt								
50A104K035	T350A104K035AS	0.1	.175	.280	.100	.30	.26	.21
50A224K035	T350A224K035AS	0.22	.175	.280	.100	.34	.30	.23
50A334K035	T350A334K035AS	0.33	.175	.280	.100	.34	.30	.27
50A474K035	T350A474K035AS	0.47	.175	.280	.100	.34	.30	.23
50A684K035	T350A684K035AS	0.68	.175	.280	.100	.34	.30	.27
50A105K035	T350A105K035AS	1.0	.175	.280	.100	.30	.26	.25
50B155K035	T350B155K035AS	1.5	.175	.300	.100	.40	.35	.31
50C225K035	T350C225K035AS	2.2	.196	.330	.100	.47	.42	.32
50D335K035	T350D335K035AS	3.3	.196	.340	.100	.64	.56	.43
50E475K035	T350E475K035AS	4.7	.216	.350	.100	.62	.55	.42
50F685K035	T350F685K035AS	6.8	.258	.390	.100	.67	.59	.45
50G106K035	T350G106K035AS	10	.250	.400	.100	1.07	.93	.69
0J156K035	T350J156K035AS	15	.330	.500	.200	2.30	2.02	1.55
0K226K035	T350K226K035AS	22	.350	.530	.200	2.43	2.13	1.65
0L336K035	T350L336K035AS	33	.350	.630	.200	5.78	5.07	3.91
0M476K035	T350M476K035AS	47	.400	.670	.200	8.50	7.45	5.75
0A104K050	T350A104K050AS	0.1	.175	.280	.100	.39	.34	.26
0B105K050	T350B105K050AS	1.0	.175	.300	.100	.43	.38	.30
0E225K050	T350E225K050AS	2.2	.216	.350	.100	.84	.74	.57
0F335K050	T350F335K050AS	3.3	.258	.390	.100	.95	.84	.64
0G475K050	T350G475K050AS	4.7	.250	.400	.100	1.23	1.08	.83
0K106K050	T350K106K050AS	10	.350	.530	.200	3.46	3.02	2.43
0M226K050	T350M226K050AS	22	.400	.670	.200	9.86	8.64	6.67

DIMENSIONS (IN)



D = max. diameter, H = max. height, LS = lead spacing

T351, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
10 Volt								
80-T351A475K010	T351A475K010AS	4.7	.175	.380	.100	.55	.48	.36
16 Volt								
80-T351A225K016	T351A225K016AS	2.2	.175	.380	.100	.44	.39	.30
80-T351B475K016	T351B475K016AS	4.7	.175	.390	.100	.67	.59	.46
80-T351F226K016	T351F226K016AS	22	.258	.480	.100	1.07	.94	.71
25 Volt								
80-T351B225K025	T351B225K025AS	2.2	.175	.390	.100	.57	.50	.38
80-T351E106K025	T351E106K025AS	10	.216	.440	.100	1.07	.94	.71
35 Volt								
80-T351A474K035	T351A474K035AS	0.47	.175	.380	.100	.44	.39	.30
80-T351A105K035	T351A105K035AS	1.0	.175	.380	.100	.44	.39	.30
80-T351C225K035	T351C225K035AS	2.2	.196	.420	.100	.67	.59	.46
80-T351G106K035	T351G106K035AS	10	.250	.510	.100	1.71	1.50	1.16

T352, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
16 Volt								
80-T352F226K016	T352F226K016AS	22	.258	.500	.200	1.07	.94	.71
25 Volt								
80-T352E106K025	T352E106K025AS	1.0	.216	.460	.200	1.07	.94	.71
35 Volt								
80-T352A105K035	T352A105K035AS	1.0	.175	.400	.200	.44	.39	.30
80-T352F685K035	T352F685K035AS	6.8	.258	.500	.200	1.01	.88	.69
80-T352G106K035	T352G106K035AS	10	.250	.510	.200	1.71	1.50	1.16

T353, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
20 Volt								
80-T353M107K020	T353M107K020AS	100	.400	.760	.200	9.35	8.18	6.31
25 Volt								
80-T353E106K025	T353E106K025AS	10	.216	.460	.200	1.07	.94	.71
80-T353H226K025	T353H226K025AS	22	.300	.520	.200	2.97	2.60	2.01
35 Volt								
80-T353A105K035	T353A105K035AS	1.0	.175	.400	.200	.44	.39	.30
80-T353G106K035	T353G106K035AS	10	.250	.510	.200	1.71	1.50	1.16
80-T353K226K035	T353K226K035AS	22	.350	.630	.200	3.59	3.14	2.42
80-T353M476K035	T353M476K035AS	47	.400	.760	.200	9.35	8.18	6.31
50 Volt								
80-T353K106K050	T353K106K050AS	10	.350	.630	.200	4.48	3.92	3.02

KEMET "ULTRA DIP II" TANTALUM CAPACITORS, 10% TOLERANCE

The KEMET "Ultra Dip II" Series, miniature dipped solid tantalum capacitors, provide the designer with the advantage of compactness plus low leakage and low DF performance characteristics for filtering, bypassing, coupling, blocking and RC timing circuits. The plastic case provides a tough barrier coating and maintains precision of lead wire spacing within ±0.015 inch. The gold color epoxy utilized permits laser marking with outstanding permanency and legibility. All case sizes are printed with capacitance, voltage, polarity, and vendor identification. Solid tantalum devices exhibit no degradation failure mode during shelf storage and show a constantly decreasing failure rate (i.e., absence of wearout mechanism) during life tests. The "Ultra Dip II" Series provides self-insulation cases which are resistant to shock and vibration. These capacitors exhibit low DCL, ESR and impedance and have excellent temperature stability. Voltage rated at 85°C. Derate voltage 33% at 125°C.

Available in various lead configuration, tolerances, and packaging. Contact a Mouser Sales Representative for more information.

T354, Formed Leads

For quantities of 500 and up, call for quote.

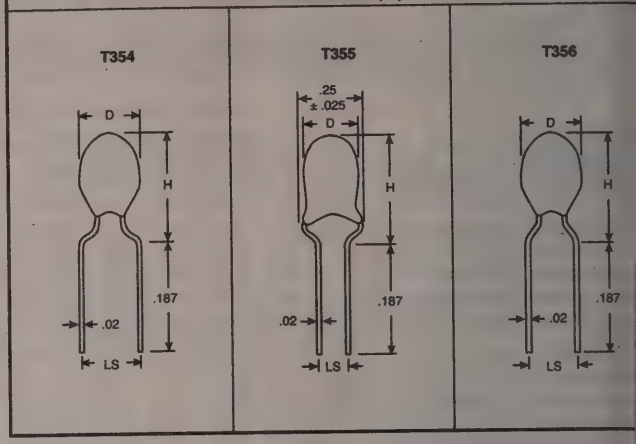
MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
6.3 Volt								
80-T354F476K006	T354F476K006AS	47	.236	.440	.250	1.07	.94	.71
80-T354L337K006	T354L337K006AS	330	.350	.710	.250	9.35	8.18	6.31
10 Volt								
80-T354H476K010	T354H476K010AS	47	.300	.470	.250	2.07	1.82	1.40
80-T354J107K010	T354J107K010AS	100	.330	.550	.250	3.81	3.33	2.58
80-T354L227K010	T354L227K010AS	220	.350	.710	.250	9.35	8.18	6.31
16 Volt								
80-T354E106K016	T354E106K016AS	10	.216	.400	.250	.81	.71	.55
80-T354F226K016	T354F226K016AS	22	.236	.440	.250	1.07	.94	.71
80-T354H336K016	T354H336K016AS	33	.300	.470	.250	2.07	1.82	1.40
80-T354K686K016	T354K686K016AS	68	.350	.610	.250	3.81	3.33	2.58
80-T354L107K016	T354L107K016AS	100	.350	.710	.250	8.16	7.14	5.51
80-T354M157K016	T354M157K016AS	150	.400	.740	.250	9.35	8.18	6.31
20 Volt								
80-T354E106K020	T354E106K020AS	10	.216	.400	.250	1.01	.88	.69
80-T354F156K020	T354F156K020AS	15	.236	.440	.250	1.09	.95	.74
80-T354G226K020	T354G226K020AS	22	.250	.450	.250	2.04	1.79	1.38
80-T354K476K020	T354K476K020AS	47	.350	.610	.250	3.59	3.14	2.42
80-T354L686K020	T354L686K020AS	68	.350	.710	.250	8.16	7.14	5.51
80-T354M107K020	T354M107K020AS	100	.400	.740	.250	9.35	8.18	6.31
25 Volt								
80-T354B225K025	T354B225K025AS	2.2	.175	.350	.250	.57	.50	.38
80-T354C475K025	T354C475K025AS	4.7	.196	.380	.250	.81	.72	.55
80-T354E106K025	T354E106K025AS	10	.216	.400	.250	1.07	.94	.71
80-T354H226K025	T354H226K025AS	22	.300	.470	.250	2.97	2.60	2.01
80-T354J276K025	T354J276K025AS	27	.330	.550	.250	3.81	3.33	2.58
80-T354J336K025	T354J336K025AS	33	.330	.550	.250	3.81	3.33	2.58
80-T354K476K025	T354K476K025AS	47	.350	.610	.250	5.79	5.07	3.90
80-T354L686K025	T354L686K025AS	68	.350	.710	.250	9.35	8.18	6.31
35 Volt								
80-T354A105K035	T354A105K035AS	1.0	.175	.340	.250	.44	.39	.30
80-T354C225K035	T354C225K035AS	2.2	.196	.380	.250	.67	.59	.46
80-T354E475K035	T354E475K035AS	4.7	.216	.400	.250	.89	.78	.60
80-T354F685K035	T354F685K035AS	6.8	.236	.440	.250	1.01	.88	.69
80-T354G106K035	T354G106K035AS	10	.250	.450	.250	1.71	1.50	1.16
80-T354J156K035	T354J156K035AS	15	.330	.550	.250	3.59	3.14	2.42
80-T354K226K035	T354K226K035AS	22	.350	.610	.250	3.59	3.14	2.42
80-T354L336K035	T354L336K035AS	33	.350	.710	.250	6.29	5.51	4.25
80-T354M476K035	T354M476K035AS	47	.400	.740	.250	9.35	8.18	6.31
50 Volt								
80-T354B105K050	T354B105K050AS	1.0	.175	.350	.250	.57	.50	.38
80-T354G475K050	T354G475K050AS	4.7	.250	.450	.250	1.47	1.29	.99
80-T354K106K050	T354K106K050AS	10	.350	.610	.250	4.48	3.92	3.02
80-T354L156K050	T354L156K050AS	15	.350	.710	.250	5.61	4.91	3.79
80-T354M226K050	T354M226K050AS	22	.400	.740	.250	10.85	9.49	7.33

T355, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
10 Volt								
80-T355F336K010	T355F336K010AS	33	.236	.440	.125	1.17	1.03	.80
16 Volt								
80-T355E106K016	T355E106K016AS	10	.216	.400	.125	.81	.71	.55
80-T355F226K016	T355F226K016AS	22	.236	.440	.125	1.07	.94	.71
20 Volt								
80-T355E106K020	T355E106K020AS	10	.216	.400	.125	1.01	.88	.69
80-T355F156K020	T355F156K020AS	15	.236	.440	.125	1.09	.95	.74
25 Volt								
80-T355B225K025	T355B225K025AS	2.2	.175	.350	.125	.57	.50	.38
80-T355C475K025	T355C475K025AS	4.7	.196	.380	.125	.81	.72	.55
80-T355E106K025	T355E106K025AS	10	.216	.400	.125	1.07	.94	.71
80-T355H226K025	T355H226K025AS	22	.300	.470	.125	2.97	2.60	2.01

DIMENSIONS (IN)



D = max. diameter, H = max. height, LS = lead spacing

T355, Formed Leads (cont.)

For quantities of 500 and up, call for

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each	
			D	H	LS	1	25
35 Volt							
80-T355A334K035	T355A334K035AS	0.33	.175	.340	.125	.44	.39
80-T355A105K035	T355A105K035AS	1.0	.175	.340	.125	.44	.39
80-T355B155K035	T355B155K035AS	1.5	.175	.350	.125	.62	.54
80-T355C225K035	T355C225K035AS	2.2	.196	.380	.125	.67	.59
80-T355D335K035	T355D335K035AS	3.3	.196	.390	.125	.84	.74
80-T355E475K035	T355E475K035AS	4.7	.216	.400	.125	.89	.78
80-T355F685K035	T355F685K035AS	6.8	.236	.440	.125	1.01	.88
80-T355G106K035	T355G106K035AS	10	.250	.450	.125	1.71	1.50
50 Volt							
80-T355B105K050	T355B105K050AS	1.0	.175	.350	.125	.57	.50
80-T355E225K050	T355E225K050AS	2.2	.216	.400	.125	1.07	.94

T356, Formed Leads

For quantities of 500 and up, call fo

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Eac	
			D	H	LS	1	25
10 Volt							
80-T356J107K010	T356J107K010AS	100	.330	.550	.200	2.56	2.24
16 Volt							
80-T356B475K016	T356B475K016AS	4.7	.175	.350	.200	.46	.41
80-T356E106K016	T356E106K016AS	10	.196	.390	.200	.48	.42
80-T356F226K016	T356F226K016AS	22	.236	.440	.200	.73	.64
80-T356H336K016	T356H336K016AS	33	.300	.470	.200	1.71	1.50
80-T356J476K016	T356J476K016AS	47	.330	.550	.200	2.18	1.90
80-T356K686K016	T356K686K016AS	68	.350	.610	.200	2.82	2.46
80-T356L107K016	T356L107K016AS	100	.350	.710	.200	5.47	4.79
80-T356M157K016	T356M157K016AS	150	.400	.740	.200	8.50	7.45
20 Volt							
80-T356E106K020	T356E106K020AS	10	.216	.400	.200	.62	.55
80-T356F156K020	T356F156K020AS	15	.236	.440	.200	.87	.76
80-T356M107K020	T356M107K020AS	100	.400	.740	.200	6.12	5.36
25 Volt							
80-T356C475K025	T356C475K025AS	4.7	.196	.380	.200	.57	.50
80-T356E106K025	T356E106K025AS	10	.216	.400	.200	.67	.59
80-T356H226K025	T356H226K025AS	22	.300	.470	.200	1.98	1.74
80-T356J336K025	T356J336K025AS	33	.330	.550	.200	2.72	2.38
80-T356K476K025	T356K476K025AS	47	.350	.610	.200	3.97	3.47
80-T356L686K025	T356L686K025AS	68	.350	.710	.200	8.50	7.45
35 Volt							
80-T356A105K035	T356A105K035AS	1.0	.175	.340	.200	.34	.30
80-T356C225K035	T356C225K035AS	2.2	.196	.380	.200	.47	.42
80-T356E475K035	T356E475K035AS	4.7	.216	.400	.200	.62	.55
80-T356G106K035	T356G106K035AS	10	.250	.450	.200	1.07	.93
80-T356K226K035	T356K226K035AS	22	.350	.610	.200	2.43	2.13
80-T356L336K035	T356L336K035AS	33	.350	.710	.200	5.78	5.07
50 Volt							
80-T356B105K050	T356B105K050AS	1.0	.175	.350	.200	.43	.38
80-T356K106K050	T356K106K050AS	10	.350	.610	.200	3.46	3.02
80-T356M226K050	T356M226K050AS	22	.400	.740	.200	9.86	8.64

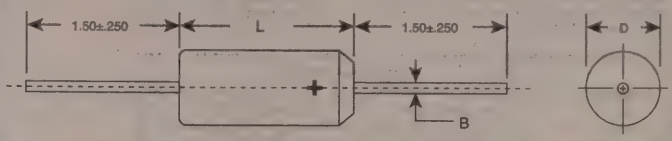
MOUSER ELECTRONICS a tti company

KEMET

MET T322 SERIES, TANTALUM, MOLDED AXIALS, 10% TOLERANCE

capacitors offer an extremely high capacitance-to-volume ratio while still maintaining excellent performance. Ideally suited for use in printed wiring boards and all applications requiring a high degree of packaging density

applications include decoupling, blocking, bypassing and filtering in commercial computers, data processing, communications, and other electronic equipment. The low ESR/impedance at high frequencies offered by this capacitor cially suitable for decoupling required by high speed computers. Voltage rated at 85°C. Derate voltage 33% at 125°C.



DIMENSIONS (IN.)

olt

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Kemet Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
322B156K006	T322B156K006AS	15	.110	.290	.020	.59	.51	.44
322D476K006	T322D476K006AS	47	.180	.420	.020	1.18	1.04	.88
322D686K006	T322D686K006AS	68	.180	.420	.020	1.26	1.10	.94

olt

For quantities of 250 and up , call for quote.

MOUSER TOCK NO.	Kemet Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
322A335K010	T322A335K010AS	3.3	.095	.260	.020	.54	.47	.40
322B475K010	T322B475K010AS	4.7	.110	.290	.020	.59	.51	.44
322B106K010	T322B106K010AS	10	.110	.290	.020	.59	.51	.44
322C226K010	T322C226K010AS	22	.180	.345	.020	1.07	.94	.79
322D336K010	T322D336K010AS	33	.180	.420	.020	1.18	1.04	.88
322D396K010	T322D396K010AS	39	.180	.420	.020	1.18	1.04	.88
322D476K010	T322D476K010AS	47	.180	.420	.020	1.26	1.10	.94
322E107K010	T322E107K010AS	100	.280	.530	.025	3.27	2.88	2.43
322F227K010	T322F227K010AS	220	.300	.710	.025	8.93	7.85	6.64

olt

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Kemet Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
322B335K015	T322B335K015AS	3.3	.110	.290	.020	.59	.51	.44
322B685K015	T322B685K015AS	6.8	.110	.290	.020	.63	.55	.46
322D226K015	T322D226K015AS	22	.180	.420	.020	1.18	1.04	.88
322D336K015	T322D336K015AS	33	.180	.420	.020	1.26	1.10	.94
322E107K015	T322E107K015AS	100	.280	.530	.025	5.33	4.68	3.96

olt

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Kemet Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
322A105K020	T322A105K020AS	1.0	.095	.260	.020	.54	.47	.40
322B225K020	T322B225K020AS	2.2	.110	.290	.020	.59	.51	.44
322B475K020	T322B475K020AS	4.7	.110	.290	.020	.63	.55	.46
322C106K020	T322C106K020AS	10	.180	.345	.020	1.07	.94	.79
322D156K020	T322D156K020AS	15	.180	.420	.020	1.18	1.04	.88
322D226K020	T322D226K020AS	22	.180	.420	.020	1.26	1.10	.94
322E476K020	T322E476K020AS	47	.280	.530	.025	3.27	2.88	2.43
322F107K020	T322F107K020AS	100	.300	.710	.025	8.93	7.85	6.64

25 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Kemet Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
80-T322A105K025	T322A105K025AS	1.0	.095	.260	.020	.54	.47	.40
80-T322B225K025	T322B225K025AS	2.2	.110	.290	.020	.63	.55	.46
80-T322C685K025	T322C685K025AS	6.8	.180	.345	.020	1.07	.94	.79
80-T322C106K025	T322C106K025AS	10	.180	.345	.020	1.07	.94	.79
80-T322D156K025	T322D156K025AS	15	.180	.420	.020	1.26	1.10	.94
80-T322E226K025	T322E226K025AS	22	.280	.530	.025	3.27	2.88	2.43
80-T322E476K025	T322E476K025AS	47	.280	.530	.025	5.33	4.68	3.96

35 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Kemet Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
80-T322A474K035	T322A474K035AS	0.47	.095	.260	.020	.54	.47	.40
80-T322B105K035	T322B105K035AS	1.0	.110	.290	.020	.59	.51	.44
80-T322C225K035	T322C225K035AS	2.2	.180	.345	.020	1.07	.94	.79
80-T322C335K035	T322C335K035AS	3.3	.180	.345	.020	1.07	.94	.79
80-T322C475K035	T322C475K035AS	4.7	.180	.345	.020	1.07	.94	.79
80-T322D565K035	T322D565K035AS	5.6	.180	.420	.020	1.18	1.04	.88
80-T322D685K035	T322D685K035AS	6.8	.180	.420	.020	1.18	1.04	.88
80-T322D106K035	T322D106K035AS	10	.180	.420	.020	1.26	1.10	.94
80-T322E226K035	T322E226K035AS	22	.280	.530	.025	3.27	2.88	2.43
80-T322E336K035	T322E336K035AS	33	.280	.530	.025	5.33	4.68	3.96
80-T322F476K035	T322F476K035AS	47	.300	.710	.025	8.93	7.85	6.64

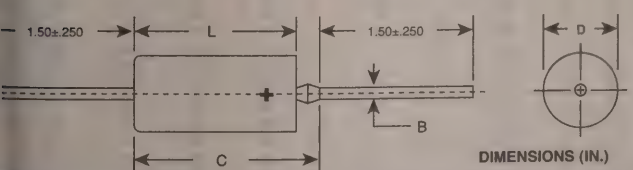
50 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Kemet Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
80-T322A104K050	T322A104K050AS	0.1	.095	.260	.020	.62	.55	.47
80-T322B105K050	T322B105K050AS	1.0	.110	.290	.020	.75	.66	.56
80-T322E106K050	T322E106K050AS	10	.280	.530	.025	3.57	3.14	2.66
80-T322F226K050	T322F226K050AS	22	.300	.710	.025	10.80	9.23	7.69

MET T110 SERIES, TANTALUM HERMETICALLY SEALED, AXIAL, 10% TOLERANCE

standard hermetic sealed T110 Series are desirable for use in high humidity environments. They are ruggedly built, designed for miniaturized circuitry, and are especially suited for coupling, bypass filtering and R-C timing circuits. hibit excellent stability, extremely low DC leakage current, dissipation factor, and ESR/impedance over a wide temperature and frequency range. Voltage rated at 85°C. Derate voltage 33% at 125°C.



DIMENSIONS (IN.)

olt

For quantities of 100 and up, call for quote.

MOUSER TOCK NO.	Kemet Part Number	Value (µF)	Dimensions (In.)				Price Each		
			D	L	B	C	1	25	50
10B476K006	T110B476K006AS	47	.185	.474	.020	.610	2.10	1.76	1.57

lt

For quantities of 100 and up, call for quote.

10A105K010	T110A105K010AS	1.0	.135	.286	.020	.422	1.62	1.36	1.21
10A475K010	T110A475K010AS	4.7	.135	.286	.020	.422	1.62	1.36	1.21
10B106K010	T110B106K010AS	10	.185	.474	.020	.610	2.10	1.76	1.57
10B226K010	T110B226K010AS	22	.185	.474	.020	.610	2.10	1.76	1.57
10B336K010	T110B336K010AS	33	.185	.474	.020	.610	2.10	1.76	1.57
10B396K010	T110B396K010AS	39	.185	.474	.020	.610	2.10	1.76	1.57
10C107K010	T110C107K010AS	100	.289	.686	.025	.822	4.95	4.13	3.72
10C127K010	T110C127K010AS	120	.289	.686	.025	.822	4.95	4.13	3.72
10D227K010	T110D227K010AS	220	.351	.786	.025	.922	12.27	10.23	9.20

t

For quantities of 100 and up, call for quote.

0A335K015	T110A335K015AS	3.3	.135	.286	.020	.422	1.62	1.36	1.21
0B226K015	T110B226K015AS	22	.185	.474	.020	.610	2.10	1.76	1.57
0D107K015	T110D107K015AS	100	.351	.786	025	.922	12.27	10.23	9.20
0D127K015	T110D127K015AS	120	.351	.786	.025	.922	12.27	10.23	9.20

20 Volt

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Kemet Part Number	Value (µF)	Dimensions (In.)				Price Each		
			D	L	B	C	1	25	50
80-T110A105K020	T110A105K020AS	1.0	.135	.286	.020	.422	1.62	1.36	1.21
80-T110A225K020	T110A225K020AS	2.2	.135	.286	.020	.422	1.62	1.36	1.21
80-T110B106K020	T110B106K020AS	10	.185	.474	.020	.610	2.10	1.76	1.57
80-T110B156K020	T110B156K020AS	15	.185	.474	.020	.610	2.10	1.76	1.57
80-T110C476K020	T110C476K020AS	47	.289	.686	.025	.822	4.95	4.13	3.72
80-T110D107K020	T110D107K020AS	100	.351	.786	.025	.922	12.27	10.23	9.20

35 Volt

For quantities of 100 and up, call for quote.

80-T110A474K035	T110A474K035AS	0.47	.135	.286	.020	.422	1.62	1.36	1.21
80-T110A105K035	T110A105K035AS	1.0	.135	.286	.020	.422	1.62	1.36	1.21
80-T110B225K035	T110B225K035AS	2.2	.185	.474	.020	.610	2.10	1.76	1.57
80-T110B335K035	T110B335K035AS	3.3	.185	.474	.020	.610	2.10	1.76	1.57
80-T110B475K035	T110B475K035AS	4.7	.185	.474	.020	.610	2.10	1.76	1.57
80-T110B565K035	T110B565K035AS	5.6	.185	.474	.020	.610	2.10	1.76	1.57
80-T110B685K035	T110B685K035AS	6.8	.185	.474	.020	.610	2.10	1.76	1.57
80-T110C106K035	T110C106K035AS	10	.289	.686	.025	.822	4.95	4.13	3.72
80-T110C226K035	T110C226K035AS	22	.289	.686	.025	.822	4.95	4.13	3.72
80-T110D476K035	T110D476K035AS	47	.351	.786	.025	.922	12.27	10.23	9.20

50 Volt

For quantities of 100 and up, call for quote.

80-T110A105K050	T110A105K050AS	1.0	.135	286	.020	422	1.65	1.38	1.24
80-T110B475K050	T110B475K050AS	4.7	.185	.474	.020	610	2.22	1.85	1.67
80-T110C106K050	T110C106K050AS	10	.289	686	.025	822	5.10	4.26	3.82
80-T110D226K050	T110D226K050AS	22	.351	.786	.025	922	12.42	10.35	9.32

TYPE 199D SOLID TANTALUM CAPACITORS

Solid-Electrolyte TANTALEX® Capacitors Resin-Coated, Radial-Lead

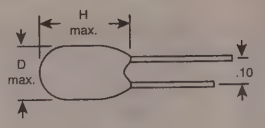
Features:
- Economy and high performance are combined in these radial-lead solid-electrolyte TANTALEX® capacitors.
- Rugged, reliable capacitors featuring low leakage current and low dissipation factor.

Performance Characteristics:
- Operating temperature: -55°C to +85°C
- Derate voltage: 33% @ 125°C
- Capacitance Tolerance: ±10%
- Lead size: 24AWG, 0.010 nom. dia.

Case Code	Dimensions: IN (mm)	
	Diameter D (Max.)	Length L (Max.)
A	0.177 (4.40)	0.280 (7.11)
B	0.196 (5.00)	0.300 (7.62)
C	0.216 (5.50)	0.360 (9.14)
D	0.236 (6.00)	0.400 (10.16)
E	0.340 (8.60)	0.492 (12.50)
F	0.380 (9.60)	0.650 (16.50)

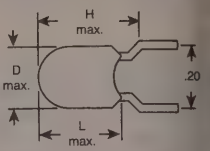
DIMENSIONS (IN)

A



Lead Style "1V1"
"Long/Short"

B



Lead Style "6V1"
"Outside Hockeystick"

For quantities of 2000 and up, call for

MOUSER STOCK NO.	Vishay Part No.	Fig.	Value (μF)	Case Code	Volt (DC)	Max. DLC @ 25°C, (μA)	Max. DF @ +25°C 120 Hz (%)	Price Each				
								1	25	100	500	10
74-199D6.3V10	199D106X96R3B1V1	A	10	B	6.3	0.6	8	.50	.44	.33	.28	.
74-199D6.3V33	199D336X96R3C1V1	A	33	C	6.3	2	8	.71	.63	.47	.41	.
74-199D6.3V47	199D476X96R3D1V1	A	47	D	6.3	2.9	8	.79	.70	.52	.45	.
74-199D6.3V68	199D686X96R3D1V1	A	68	D	6.3	4	8	.93	.83	.62	.53	.
74-199D6.3V100	199D107X96R3D1V1	A	100	D	6.3	5	10	2.29	2.04	1.52	1.31	1.
74-199D6.3V150	199D157X96R3E6V1	B	150	E	6.3	6	10	3.36	2.88	2.40	1.92	1.
74-199D10V4.7A	199D475X9010A1V1	A	4.7	A	10	0.5	6	.40	.36	.27	.23	.
74-199D10V6.8B	199D685X9010B1V1	A	6.8	B	10	0.6	6	.59	.52	.39	.34	.
74-199D10V10	199D106X9010B1V1	A	10	B	10	1	8	.56	.50	.37	.32	.
74-199D10V22	199D226X9010C1V1	A	22	C	10	2	8	.74	.66	.49	.42	.
74-199D10V33	199D336X9010D1V1	A	33	D	10	3	8	.87	.77	.57	.50	.
74-199D10V47D	199D476X9010D1V1	A	47	D	10	4	8	1.55	1.38	1.03	.89	.
74-199D10V68	199D686X9010D1V1	A	68	D	10	5	8	2.29	2.04	1.56	1.31	1.
74-199D10V100	199D107X9010E6V1	B	100	E	10	6	10	2.98	2.65	1.97	1.7	1.
74-199D10V220	199D227X9010F6V1	B	220	F	10	8	10	7.29	6.49	4.82	4.16	3.
74-199D16V2.2	199D225X9016A1V1	A	2.2	A	16	0.5	6	.40	.36	.27	.23	.
74-199D16V3.3	199D335X9016A1V1	A	3.3	A	16	0.5	6	.40	.36	.27	.23	.
74-199D16V4.7	199D475X9016B1V1	A	4.7	B	16	0.7	6	.43	.39	.3	.26	.
74-199D16V6.8	199D685X9016B1V1	A	6.8	B	16	1	6	.59	.52	.39	.34	.
74-199D16V10	199D106X9016C1V1	A	10	C	16	1.5	8	.65	.58	.43	.37	.
74-199D16V15	199D156X9016C1V1	A	15	C	16	2.4	8	.88	.75	.63	.50	.
74-199D16V22	199D226X9016D1V1	A	22	D	16	3.5	8	.81	.72	.53	.46	.
74-199D16V33	199D336X9016D1V1	A	33	D	16	4	8	1.55	1.38	1.06	.89	.
74-199D16V47	199D476X9016E6V1	B	47	E	16	5	8	2.45	2.18	1.62	1.4	1
74-199D16V68	199D686X9016E6V1	B	68	E	16	6	8	2.98	2.65	1.97	1.7	1
74-199D16V100	199D107X9016F6V1	B	100	F	16	7	10	6.36	5.66	4.20	3.63	3
74-199D20V2.2	199D225X9020A1V1	A	2.2	A	20	0.5	6	.47	.41	.31	.27	.
74-199D20V10	199D106X9020C1V1	A	10	C	20	2	8	.78	.69	.51	.44	.
74-199D20V15	199D156X9020D1V1	A	15	D	20	2.5	8	.84	.75	.55	.48	.
74-199D20V22	199D226X9020D1V1	A	22	D	20	3	8	1.55	1.38	1.03	.89	.
74-199D20V47	199D476X9020E6V1	B	47	E	20	5	8	2.79	2.48	1.85	1.59	1
74-199D25V1	199D105X9025A1V1	A	1	A	25	0.5	4	.40	.36	.27	.23	.
74-199D25V1.5	199D155X9025A1V1	A	1.5	A	25	0.5	6	.40	.36	.27	.23	.
74-199D25V2.2	199D225X9025A1V1	A	2.2	A	25	0.5	6	.40	.36	.27	.23	.
74-199D25V3.3	199D335X9025B1V1	A	3.3	B	25	0.8	6	.50	.44	.33	.28	.
74-199D25V4.7	199D475X9025B1V1	A	4.7	B	25	1	6	.59	.52	.39	.34	.
74-199D25V6.8	199D685X9025C1V1	A	6.8	C	25	1.5	6	.81	.72	.53	.46	.
74-199D25V10	199D106X9025C1V1	A	10	C	25	2.5	8	.81	.72	.53	.46	.
74-199D25V15	199D156X9025D1V1	A	15	D	25	3	8	1.71	1.52	1.13	.97	.
74-199D25V22	199D226X9025D1V1	A	22	D	25	4	8	2.29	2.04	1.52	1.31	1
74-199D25V33	199D336X9025E6V1	B	33	E	25	5	8	2.91	2.59	1.93	1.66	1
74-199D25V47E	199D476X9025E6V1	B	47	E	25	6	8	4.5	4.00	2.97	2.57	2
74-199D25V68	199D686X9025F6V1	B	68	F	25	7	8	7.29	6.49	4.82	4.16	3
74-199D35V0.1	199D104X9035A1V1	A	0.1	A	35	0.5	4	.40	.36	.27	.23	.
74-199D35V0.15	199D154X9035A1V1	A	0.15	A	35	0.5	4	.40	.36	.27	.23	.
74-199D35V0.22	199D224X9035A1V1	A	0.22	A	35	0.5	4	.40	.36	.27	.23	.
74-199D35V0.33	199D334X9035A1V1	A	0.33	A	35	0.5	4	.40	.36	.27	.23	.
74-199D35V0.47	199D474X9035A1V1	A	0.47	A	35	0.5	4	.40	.36	.27	.23	.
74-199D35V0.68	199D684X9035A1V1	A	0.68	A	35	0.5	4	.40	.36	.27	.23	.
74-199D35V1.0	199D105X9035A1V1	A	1	A	35	0.5	4	.40	.36	.27	.23	.
74-199D35V1.5	199D155X9035A1V1	A	1.5	A	35	0.5	6	.47	.41	.31	.27	.
74-199D35V2.2	199D225X9035B1V1	A	2.2	B	35	0.7	6	.53	.47	.35	.30	.
74-199D35V3.3	199D335X9035B1V1	A	3.3	B	35	1	6	.62	.55	.41	.35	.
74-199D35V4.7	199D475X9035C1V1	A	4.7	C	35	1.5	6	.71	.63	.47	.41	.
74-199D35V6.8	199D685X9035D1V1	A	6.8	D	35	2.3	6	.81	.72	.53	.46	.
74-199D35V10	199D106X9035D1V1	A	10	D	35	3.5	8	2.17	1.93	1.44	1.23	.
74-199D35V15	199D156X9035E6V1	B	15	E	35	4	8	2.79	2.48	1.85	1.59	.
74-199D35V22	199D226X9035E6V1	B	22	E	35	5	8	2.79	2.48	1.85	1.59	.
74-199D35V33	199D336X9035F6V1	B	33	F	35	6	8	4.96	4.42	3.28	2.83	.
74-199D35V47	199D476X9035F6V1	B	47	F	35	7	8	7.29	6.49	4.82	4.16	.
74-199D50V0.1	199D104X9050A1V1	A	0.1	A	50	0.5	4	.45	.40	.30	.26	.
74-199D50V0.22	199D224X9050A1V1	A	0.22	A	50	0.5	4	.63	.56	.50	.45	.
74-199D50V0.33	199D334X9050A1V1	A	0.33	A	50	0.5	4	.50	.44	.33	.28	.
74-199D50V1.0	199D105X9050B1V1	A	1	B	50	0.5	4	.51	.46	.34	.29	.
74-199D50V1.5	199D155X9050C1V1	A	1.5	C	50	0.7	6	.76	.68	.50	.43	.
74-199D50V2.2	199D225X9050C1V1	A	2.2	C	50	1.1	6	.81	.72	.53	.46	.
74-199D50V4.7	199D475X9050D1V1	A	4.7	D	50	2	6	1.12	.99	.74	.64	.
74-199D50V6.8	199D685X9050F6V1	B	6.8	F	50	3	6	2.73	2.43	1.80	1.56	.
74-199D50V10	199D106X9050F6V1	B	10	F	50	4	8	4.81	4.26	3.18	2.71	.
74-199D50V15	199D156X9050F6V1	B	15	F	50	5	8	5.43	4.83	3.59	3.10	.
74-199D50V22	199D226X9050F6V1	B	22	F	50	6	8	8.53	7.59	5.64	4.87	.

MOUSER ELECTRONICS a tti company (800) 346-6873

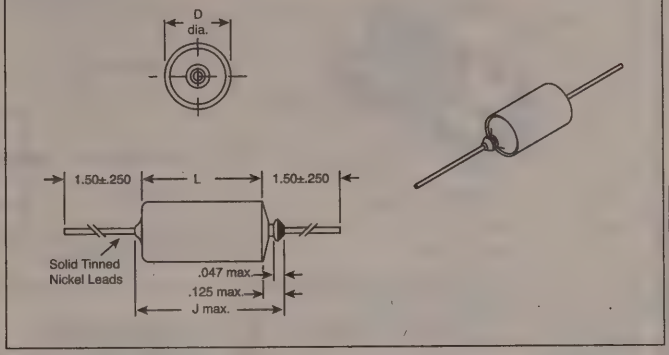
VISHAY TYPE 150D SOLID TANTALUM CAPACITORS

...rformance, hermetically-sealed Type 150D TANTALEX® capacitors have set the standard ...r electrolyte tantalum capacitors for more than three decades. High capacitance, low DCL, ...ipation factor and exceptional operating stability have been proven in commercial, industrial ...tary applications. They are available in four case codes and capacitors are supplied with ...lm insulation. Terminals are solid, tinned nickel wire leads. The Military equivalent to the ... the CSR13 which is qualified to MIL-C-39003/01.

Sp...ifications:
- ...ting Temperature: -55°C to +85°C
- C...pitance Tolerance: ±10%
- D...pation Factor: @120Hz, +25°C
- L...est: 2000 hours @ 85°C

Case Size	With Insulating Sleeve D	With Insulating Sleeve L	J (Max.)	Lead Size
A	.135 ± .016	.286 ± .031	.422	24AWG
B	.185 ± .016	.474 ± .031	.610	24AWG
R	.289 ± .016	.686 ± .031	.822	22AWG
S	.351 ± .016	.786 ± .031	.922	22AWG

DIMENSIONS (IN)



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (μF)	Case Size	Price Each 1	25	50	100
74-150D6V47	150D476X9006B2B	6	47	B	1.73	1.55	1.38	1.17
74-150D10V4.7	150D475X9010A2B	10	4.7	A	1.38	1.24	1.10	.96
74-150D10V33	150D336X9010B2B	10	33	B	1.73	1.55	1.38	1.21
74-150D10V39	150D396X9010B2B	10	39	B	1.73	1.55	1.38	1.21
74-150D10V100	150D107X9010R2B	10	100	R	3.95	3.56	3.16	2.77
74-150D10V220	150D227X9010S2B	10	220	S	9.75	8.78	7.80	6.83
74-150D15V3.3	150D335X9015A2B	15	3.3	A	1.38	1.24	1.10	.96
74-150D15V22	150D226X9015B2B	15	22	B	1.73	1.55	1.38	1.21
74-150D15V150	150D157X9015S2B	15	150	S	9.75	8.78	7.80	6.83
74-150D20V2.2	150D225X9020A2B	20	2.2	A	1.38	1.24	1.10	.96
74-150D20V4.7	150D475X9020B2B	20	4.7	B	1.73	1.55	1.38	1.21
74-150D20V10	150D106X9020B2B	20	10	B	1.73	1.55	1.38	1.21
74-150D20V15	150D156X9020B2B	20	15	B	1.73	1.55	1.38	1.21
74-150D20V33	150D336X9020R2B	20	33	R	3.95	3.56	3.16	2.77
74-150D20V47	150D476X9020R2B	20	47	R	3.95	3.56	3.16	2.77
74-150D20V68	150D686X9020S2B	20	68	S	9.75	8.78	7.80	6.83
74-150D20V100	150D107X9020S2B	20	100	S	9.75	8.78	7.80	6.83
74-150D35V0.1	150D104X9035A2B	35	0.1	A	1.38	1.24	1.10	.96
74-150D35V0.22	150D224X9035A2B	35	0.22	A	1.38	1.24	1.10	.96
74-150D35V0.33	150D334X9035A2B	35	0.33	A	1.38	1.24	1.10	.96
74-150D35V0.47	150D474X9035A2B	35	0.47	A	1.38	1.24	1.10	.96
74-150D35V1.0	150D105X9035A2B	35	1	A	1.38	1.24	1.10	.96

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (μF)	Case Size	Price Each 1	25	50	100
74-150D35V2.2	150D225X9035B2B	35	2.2	B	1.73	1.55	1.38	1.21
74-150D35V2.7	150D275X9035B2B	35	2.7	B	1.30	1.17	1.04	.91
74-150D35V3.3	150D335X9035B2B	35	3.3	B	1.73	1.55	1.38	1.21
74-150D35V4.7	150D475X9035B2B	35	4.7	B	1.73	1.55	1.38	1.21
74-150D35V5.6	150D565X9035B2B	35	5.6	B	1.73	1.55	1.38	1.21
74-150D35V6.8	150D685X9035B2B	35	6.8	B	1.73	1.55	1.38	1.21
74-150D35V10	150D106X9035R2B	35	10	R	3.95	3.56	3.16	2.77
74-150D35V15	150D156X9035R2B	35	15	R	3.95	3.56	3.16	2.77
74-150D35V22	150D226X9035R2B	35	22	R	3.95	3.56	3.16	2.77
74-150D35V33	150D336X9035S2B	35	33	S	9.75	8.78	7.80	6.83
74-150D35V39	150D396X9035S2B	35	39	S	9.75	8.78	7.80	6.83
74-150D35V47	150D476X9035S2B	35	47	S	9.75	8.78	7.80	6.83
74-150D50V0.1	150D104X9050A2B	50	0.1	A	1.45	1.31	1.16	1.02
74-150D50V0.47	150D474X9050A2B	50	0.47	A	1.45	1.31	1.16	1.02
74-150D50V1.0	150D105X9050A2B	50	1	A	1.45	1.31	1.16	1.02
74-150D50V3.3	150D335X9050B2B	50	3.3	B	1.80	1.62	1.44	1.26
74-150D50V4.7	150D475X9050B2B	50	4.7	B	1.80	1.62	1.44	1.26
74-150D50V10	150D106X9050R2B	50	10	R	4.13	3.71	3.30	2.89
74-150D50V15	150D156X9050R2B	50	15	R	4.13	3.71	3.30	2.89
74-150D50V22	150D226X9050S2B	50	22	S	10.25	9.23	8.20	7.18
74-150D75V10	150D106X9075R2B	75	10	R	8.28	7.45	6.62	5.79
74-150D75V15	150D156X9075S2B	75	15	S	13.65	12.29	10.92	9.56

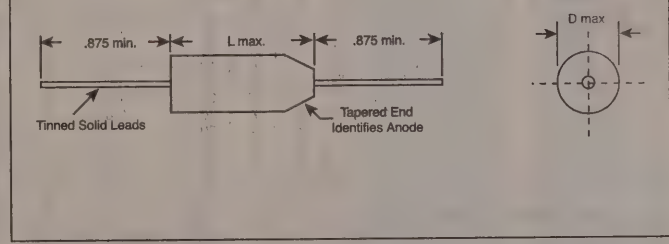
VISHAY TYPE 173D SOLID TANTALUM CAPACITORS

...ype D molded case axial-lead TANTALEX® capacitors are designed for high performance ...ustrial, industrial and commercial electronic equipment. Precision molded in gold colored, ...ame ardant, thermosetting epoxy resin, units are laser marked for improved legibility, while ...e tined end of the case provides easy identification of the positive terminal.

Specifications:
- ...Operating Temperature: -55°C to +85°C
- ...Capacitance Tolerance: ±10%
- ...Dissipation Factor: @ 120Hz, +25°C
- ...Life Test: 2000 hours @ 85°C

Case Size	D (Max.)	L (Max.)	Lead Diameter
U	.095	.260	.020
V	.110	.290	.020
W	.180	.345	.020
X	.180	.420	.020
Y	.280	.550	.025

DIMENSIONS (IN)

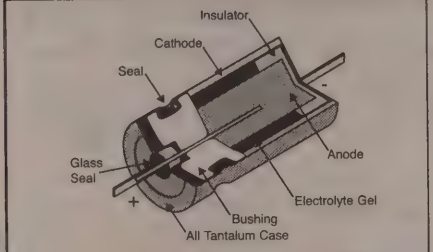


For quantities of 200 and up, call for quote.

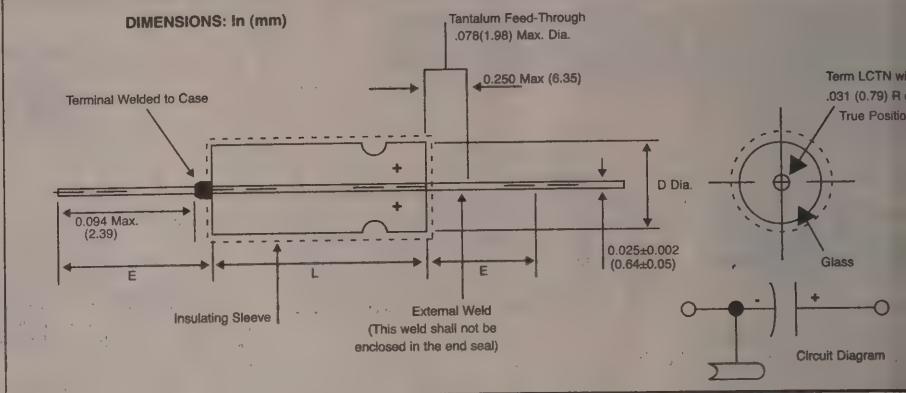
...USER ...CK NO.	Vishay Part No.	Volt (DC)	Value (μF)	Case Size	Price Each 1	25	50	100
74-...D6V68	173D686X9006X	6	68	X	1.43	1.19	1.07	.86
74-...D10V10	173D106X9010V	10	10	V	.56	.46	.42	.33
74-...D10V22	173D226X9010W	10	22	W	1.08	.90	.81	.65
74-...D15V2.2	173D225X9015U	15	2.2	U	.50	.42	.38	.30
74-...D15V6.8	173D685X9015V	15	6.8	V	.62	.52	.47	.37
74-...D15V15	173D156X9015W	15	15	W	1.08	.90	.81	.65
74-...D15V22	173D226X9015X	15	22	X	1.26	1.05	.94	.75
74-...D15V33	173D336X9015X	15	33	X	1.43	1.19	1.07	.86
74-...D20V1.0	173D105X9020U	20	1	U	.50	.42	.38	.30
74-...D20V4.7	173D475X9020V	20	4.7	V	.62	.52	.47	.37
74-...D20V15	173D156X9020X	20	15	X	1.26	1.05	.94	.75
74-...D20V22	173D226X9020X	20	22	X	1.43	1.19	1.07	.86
74-...D20V100	173D107X9020Y	20	100	Y	6.99	5.83	5.24	4.19
74-...D25V1.0	173D105X9025U	25	1	U	.50	.42	.38	.30
74-...D25V2.2	173D225X9025V	25	2.2	V	.62	.52	.47	.37
74-...D25V3.3	173D335X9025V	25	3.3	V	.62	.52	.47	.37
74-...D25V6.8	173D685X9025W	25	6.8	W	1.08	.90	.81	.65
74-...D25V10	173D106X9025W	25	10	W	1.08	.90	.81	.65
74-...D25V12	173D126X9025X	25	12	X	1.43	1.19	1.07	.86
74-...D25V15	173D156X9025X	25	15	X	1.43	1.19	1.07	.86

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (μF)	Case Size	Price Each 1	25	50	100
74-173D25V47	173D476X9025Y	25	47	Y	4.92	4.10	3.69	2.95
74-173D35V0.1	173D104X9035U	35	0.1	U	.50	.42	.38	.30
74-173D35V0.33	173D334X9035U	35	0.33	U	.50	.42	.38	.30
74-173D35V0.47	173D474X9035U	35	0.47	U	.50	.42	.38	.30
74-173D35V1.0	173D105X9035V	35	1	V	.56	.46	.42	.33
74-173D35V1.5	173D155X9035V	35	1.5	V	.62	.52	.47	.37
74-173D35V2.2	173D225X9035W	35	2.2	W	1.08	.90	.81	.65
74-173D35V3.3	173D335X9035W	35	3.3	W	1.08	.90	.81	.65
74-173D35V4.7	173D475X9035W	35	4.7	W	1.08	.90	.81	.65
74-173D35V6.8	173D685X9035X	35	6.8	X	1.26	1.05	.94	.75
74-173D35V10	173D106X9035X	35	10	X	1.43	1.19	1.07	.86
74-173D35V22	173D226X9035Y	35	22	Y	3.69	3.08	2.77	2.21
74-173D35V47	173D476X9035Y	35	47	Y	6.99	5.83	5.24	4.19
74-173D50V0.1	173D104X9050U	50	0.1	U	.57	.47	.43	.34
74-173D50V0.22	173D224X9050U	50	0.22	U	.57	.47	.43	.34
74-173D50V0.47	173D474X9050V	50	0.47	V	.65	.55	.49	.39
74-173D50V1.0	173D105X9050V	50	1	V	.76	.63	.57	.46
74-173D50V2.2	173D225X9050W	50	2.2	W	1.22	1.02	.92	.73
74-173D50V4.7	173D475X9050X	50	4.7	X	1.73	1.44	1.29	1.04



K T192 + ← Manufacturer's Identification, Series, Polarity
6R8 F ← Nominal Capacitance in Microfarads (F) ("R" Indicates a Decimal)
10% 75V + ← Capacitance Tolerance, Voltage Polarity
0302AA ← Date*/Lot Code



Features:

- Operating Temperature -55°C — +200°C
- Voltage rated @ 85°C, Derate 33% @ 125°C and 50% @ 200°C
- 6 — 125 Volts
- Capacitance Range — 1.7 µF - 2200.0 µF
- Capacitance Tolerance, ± 10%, ± 20%, ± 5% Available
- Low ESR
- Tantalum Case

Applications:

- Filtering, Bypass Circuits
- Coupling and Timing Circuits
- Low Source Impedance Circuits
- High Charging Current Circuits

KEMET Case Size	MIL-PRF-39006/22/25/30/31 Case Size	Uninsulated Case L* +0.031(0.79) -0.016(0.41)	Uninsulated Case D 0.016(0.41)	Insulated Case D Max.,	E 0.25(6.3
A	T1	0.453(11.51)	0.188(4.78)	0.219(5.56)	1.50(38.
B	T2	0.641(16.28)	0.281(7.14)	0.312(7.92)	2.25(57.
C	T3	0.766(19.46)	0.375(9.52)	0.406(10.31)	2.25(57.
D	T4	1.062(26.97)	0.375(9.52)	0.406(10.31)	2.25(57.

High Temperature (+200°C)

For quantities of 100 and up, call for q

MOUSER STOCK NO.	Kemet Part No.	Volt	Value uF	Case Size	Tol %	Max. D.C. Leakage µA + 25°C	Max. D.C. % @ + 25°C 120 Hz	Max. ESR Ohms at + 25°C 120 Hz	Max. Ripple Current mArms at 85°C 40 KHz	Price Each 1	5	10	20	50
80-T197A306K006	T197A306K006AS	6	30	A	10	1.0	9	3.98	820	33.80	30.55	27.30	24.70	22
80-T197A566K008	T197A566K008AS	8	56	A	10	1.0	14	3.32	900	33.80	30.55	27.30	24.70	22
80-T197A206K010	T197A206K010AS	10	20	A	10	1.0	6	3.98	820	33.80	30.55	27.30	24.70	22
80-T197A476K010	T197A476K010AS	10	47	A	10	1.0	13	3.67	855	33.80	30.55	27.30	24.70	22
80-T197A156K015	T197A156K015AS	15	15	A	10	1.0	5	4.42	780	33.80	30.55	27.30	24.70	22
80-T198A107K015	T198A107K015AS	15	100	A	10	2.0	30	3.98	900	37.70	34.08	30.45	27.55	24
80-T197A106K025	T197A106K025AS	25	10	A	10	1.0	4	5.31	715	33.80	30.55	27.30	24.70	22
80-T197A226K025	T197A226K025AS	25	22	A	10	1.0	6.6	3.98	825	33.80	30.55	27.30	24.70	22
80-T197A226M025	T197A226M025AS	25	22	A	20	1.0	6.6	3.98	825	32.50	29.25	26.00	22.75	20
80-T198A686K025	T198A686K025AS	25	68	A	10	2.0	22	4.29	850	37.70	34.08	30.45	27.55	24
80-T197A156M030	T197A156M030AS	30	15	A	20	1.0	5	4.42	780	32.50	29.25	26.00	22.75	20
80-T198A566K030	T198A566K030AS	30	56	A	10	2.0	22	5.21	800	37.70	34.08	30.45	27.55	24
80-T197A106K050	T197A106K050AS	50	10	A	10	1.0	4	5.31	715	33.80	30.55	27.30	24.70	22
80-T197A106M050	T197A106M050AS	50	10	A	20	1.0	4	5.31	715	32.50	29.25	26.00	22.75	20
80-T197B476K050	T197B476K050AS	50	47	B	10	1.0	13	3.11	1155	45.50	41.13	36.75	33.25	29
80-T197B476M050	T197B476M050AS	50	47	B	20	1.0	13	3.11	1155	43.75	39.38	35.00	30.63	28
80-T198A336K050	T198A336K050AS	50	33	A	10	2.0	12.3	4.95	700	37.70	34.08	30.45	27.55	24
80-T198B127K050	T198B127K050AS	50	120	B	10	4.0	22.5	2.49	1200	49.92	45.12	40.32	36.48	32
80-T198B127M050	T198B127M050AS	50	120	B	20	4.0	22.5	2.49	1200	48.00	43.20	38.40	33.60	30
80-T198D337K050	T198D337K050AS	50	330	D	10	9.0	38	1.53	1900	79.30	71.68	64.05	57.95	51
80-T197B396K060	T197B396K060AS	60	39	B	10	1.0	10	3.4	1110	45.50	41.13	36.75	33.25	29
80-T197B396M060	T197B396M060AS	60	39	B	20	1.0	10	3.4	1110	43.75	39.38	35.00	30.63	28
80-T198B107K060	T198B107K060AS	60	100	B	10	4.0	19	2.52	1100	49.92	45.12	40.32	36.48	32
80-T197A685K075	T197A685K075AS	75	6.8	A	10	1.0	3.5	6.83	610	33.80	30.55	27.30	24.70	22
80-T197A685M075	T197A685M075AS	75	6.8	A	20	1.0	3.5	6.83	610	32.50	29.25	26.00	22.75	20
80-T197B156K075	T197B156K075AS	75	15	B	10	1.0	6	5.31	890	45.50	41.13	36.75	33.25	29
80-T197B336K075	T197B336K075AS	75	33	B	10	1.0	10	4.02	1000	45.50	41.13	36.75	33.25	29
80-T197B336M075	T197B336M075AS	75	33	B	20	1.0	10	4.02	1000	43.75	39.38	35.00	30.63	28
80-T198A226K075	T198A226K075AS	75	22	A	10	3.0	8.5	5.13	600	37.70	34.08	30.45	27.55	24
80-T198A226M075	T198A226M075AS	75	22	A	20	3.0	8.5	5.13	600	36.25	32.63	29.00	25.38	23
80-T198B826K075	T198B826K075AS	75	82	B	10	4.0	15.2	2.46	1000	49.92	45.12	40.32	36.48	32
80-T198B826M075	T198B826M075AS	75	82	B	20	4.0	15.2	2.46	1000	48.00	43.20	38.40	33.60	30
80-T197A255K100	T197A255K100AS	100	2.5	A	10	1.0	2	10.62	505	33.80	30.55	27.30	24.70	22
80-T198A106K100	T198A106K100AS	100	10	A	10	3.0	4.5	5.97	800	37.70	34.08	30.45	27.55	24
80-T198A106M100	T198A106M100AS	100	10	A	20	3.0	4.5	5.97	800	36.25	32.63	29.00	25.38	23
80-T197A175K125	T197A175K125AS	125	1.7	A	10	1.0	2	15.61	415	33.80	30.55	27.30	24.70	22
80-T197A365K125	T197A365K125AS	125	3.6	A	10	1.0	2.7	9.95	520	33.80	30.55	27.30	24.70	22
80-T197A365M125	T197A365M125AS	125	3.6	A	20	1.0	2.7	9.95	520	32.50	29.25	26.00	22.75	20
80-T197D566K125	T197D566K125AS	125	56	D	10	10.0	6.5	1.54	1800	71.50	64.63	57.75	52.25	46
80-T198B276K125	T198B276K125AS	125	27	B	10	5.0	7.2	3.54	1200	49.92	45.12	40.32	36.48	32
80-T198B276M125	T198B276M125AS	125	27	B	20	5.0	7.2	3.54	1200	48.00	43.20	38.40	33.60	30
80-T198D826K125	T198D826K125AS	125	82	D	10	12.0	17.4	2.82	1900	79.30	71.68	64.05	57.95	51
80-T198D826M125	T198D826M125AS	125	82	D	20	12.0	17.4	2.82	1900	76.25	68.63	61.00	53.38	46

Commercial Version (+125°C)

- Operating Temperature -55°C — +125°C

For quantities of 100 and up, call for

80-T192B476K050	T192B476K050AS	50	47	B	10	1	11	3.11	1155	50.18	45.36	40.53	36.67	3
80-T195C277K050	T195C277K050AS	50	270	C	10	8	37	1.82	1450	71.24	64.39	57.54	52.06	4
80-T195D337K050	T195D337K050AS	50	330	D	10	9	38	1.53	1900	89.18	80.61	72.03	65.17	5
80-T195A276M060	T195A276M060AS	60	27	A	20	3	10.2	5.01	700	42.12	38.07	34.02	30.78	2
80-T192B396K060	T192B396K060AS	60	39	B	10	1	10	3.4	1110	50.18	45.36	40.53	36.67	3
80-T195B107M060	T195B107M060AS	60	100	B	20	4	19	2.52	1100	55.90	50.53	45.15	40.85	3
80-T191C227M060	T191C227M060AS	60	220	C	20	8	15	0.91	1400	81.90	74.03	66.15	59.85	5
80-T195B826M075	T195B826M075AS	75	82	B	20	4	15.2	2.46	1000	55.90	50.53	45.15	40.85	3
80-T195D127K100	T195D127K100AS	100	12	D	10	12	25	2.76	2000	89.18	80.61	72.03	65.17	5
80-T190B226K100	T190B226K100AS	100	22	B	10	1	3.75	2.26	965	57.72	52.17	46.62	42.18	3
80-T192C306M100	T192C306M100AS	100	30	C	20	2	7	3.1	1240	64.22	58.05	51.87	46.93	4
80-T195B396M100	T195B396M100AS	100	39	B	20	5	10.4	3.54	1300	55.90	50.53	45.15	40.85	3
80-T195C686M100	T195C686M100AS	100	68	C	20	10	11.3	2.21	1600	71.24	64.39	57.54	52.06	4
80-T195B276K125	T195B276K125AS	125	27	B	10	5	7.2	3.54	1200	55.90	50.53	45.15	40.85	3
80-T195C476K125	T195C476K125AS	125	47	C	10	10	7.9	2.23	1500	71.24	64.39	57.54	52.06	4
80-T191D826K125	T191D826K125AS	125	82	D	10	12	17.4	2.82	1900	92.59	82.74	74.00	66.00	6
80-T195D826K125	T195D826K125AS	125	82	D	10	12	8.7	1.41	1900	89.18	80.61	72.03	65.17	5

ISHAY 135D WET TANTALUM CAPACITORS

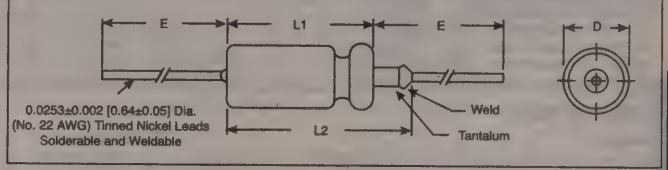
del 135D tantalum-case tantalum electrolytic capacitors incorporate the advantages of all the varieties of ctrolytic capacitors and eliminate most of the disadvantages. These units have a 3 volt reverse voltage pability at +85°C and a higher ripple current capability than any other electrolytic type with similar combinations capacitance and case size. Model 135D capacitors are commercial equivalents of Military Style CLR79 and R81, designed to meet the performance requirements of Military Specification MIL-C-39006/22/25.

Specifications:

- Operating Temperature: -55°C to +85°C. derate 33% @ 125°C and 50% @ 200°C.
- Life Test: Capacitors are capable of withstanding a 2000 hour life test at a temperature of +85°C or +125°C at the applicable rated DC working voltage.
- Insulation: All parts below have a High Temperature Film Insulation (above +125°C).

Case Code Type 135D	Case Code CLR 79/81 Equiv.	D	L1	L2 (Max.)	E	Weight In Grams (Max.)
C	T1	0.188 ± 0.016 (4.78 ± 0.41)	0.453 + 0.031-0.016 (11.51 + 0.79-0.41)	0.734 (18.64)	1.500 ± 0.250 (38.10 ± 6.35)	2.6
F	T2	0.281 ± 0.016 (7.14 ± 0.41)	0.641 + 0.031 -0.016 (16.28 + 0.79-0.41)	0.922 (23.42)	2.250 ± 0.250 (57.15± 6.35)	6.2
T	T3	0.375 ± 0.016 (9.53 ± 0.41)	0.766 +0.031-0.016 (19.46 + 0.79-0.41)	1.047 (26.59)	2.250 ± 0.250 (57.15 ± 6.35)	11.6
K	T4	0.375 ± 0.016 (9.53 ± 0.41)	1.062 + 0.031-0.016 (26.97 + 0.79-0.41)	1.343 (34.11)	2.250 ± 0.250 (57.15 ± 6.35)	17.7

DIMENSIONS IN (mm)



For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Volt (DC)	Value (μF)	Case Size	Tol.± %	Price Each 1	5	10	20
74—	135D127X0010C6	10	120	C	20	36.20	32.58	28.96	25.34
74—	135D107X9015C6	15	100	C	10	42.04	38.00	33.96	30.72
74—	135D107X0015C6	15	100	C	20	40.43	36.38	32.34	28.30
74—	135D277X0015F6	15	270	F	20	48.30	43.47	38.64	33.81
74—	135D397X0015F6	15	390	F	20	53.70	48.33	42.96	37.59
74—	135D226X0025C6	25	22	C	20	36.20	32.58	28.96	25.34
74—	135D566X9025C6	25	56	C	10	42.04	38.00	33.96	30.72
74—	135D566X0025C6	25	56	C	20	40.43	36.38	32.34	28.30
74—	135D686X9025C6	25	68	C	10	42.04	38.00	33.96	30.72
74—	135D107X9025F6	25	100	F	10	50.23	45.40	40.57	36.71
74—	135D107X0025F6	25	100	F	20	48.30	43.47	38.64	33.81
74—	135D277X9025F6	25	270	F	10	55.85	50.48	45.11	40.81
74—	135D277X0025F6	25	270	F	20	53.70	48.33	42.96	37.59
74—	135D156X0030C6	30	15	C	20	36.20	32.58	28.96	25.34
74—	135D476X0030C6	30	47	C	20	40.43	36.38	32.34	28.30
74—	135D566X0030C6	30	56	C	20	40.43	36.38	32.34	28.30
74—	135D157X0030F6	30	150	F	20	48.30	43.47	38.64	33.81
74—	135D396X0035C6	35	39	C	20	40.43	36.38	32.34	28.30
74—	135D106X9050C6	50	10	C	10	37.65	34.03	30.41	27.51
74—	135D106X0050C6	50	10	C	20	36.20	32.58	28.96	25.34
74—	135D336X9050C6	50	33	C	10	42.04	38.00	33.96	30.72
74—	135D476X0050F6	50	47	F	20	48.30	43.47	38.64	33.81
74—	135D127X9050F6	50	120	F	10	55.85	50.48	45.11	40.81
74—	135D127X0050F6	50	120	F	20	53.70	48.33	42.96	37.59
74—	135D167X0050K6	50	160	K	20	76.33	68.69	61.06	53.43
74—	135D825X0060C6	60	8.2	C	20	36.20	32.58	28.96	25.34
74—	135D276X9060C6	60	27	C	10	42.04	38.00	33.96	30.72
74—	135D396X0060F6	60	39	F	20	48.30	43.47	38.64	33.81
74—	135D107X9060F6	60	100	F	10	55.85	50.48	45.11	40.81
74—	135D107X0060F6	60	100	F	20	53.70	48.33	42.96	37.59
74—	135D147X0060K6	60	140	K	20	76.33	68.69	61.06	53.43
74—	135D685X0075C6	75	6.8	C	20	36.20	32.58	28.96	25.34
74—	135D226X9075C6	75	22	C	10	42.04	38.00	33.96	30.72
74—	135D226X0075C6	75	22	C	20	40.43	36.38	32.34	28.30
74—	135D336X0075F6	75	33	F	20	53.70	48.33	42.96	37.59
74—	135D826X0075F6	75	82	F	20	53.70	48.33	42.96	37.59
74—	135D227X9075K6	75	220	K	10	89.28	80.70	72.11	65.25
74—	135D475X9100C6	100	4.7	C	10	37.65	34.03	30.41	27.51
74—	135D475X0100C6	100	4.7	C	20	36.20	32.58	28.96	25.34
74—	135D106X9100C6	100	10	C	10	42.04	38.00	33.96	30.72
74—	135D106X0100C6	100	10	C	20	40.43	36.38	32.34	28.30
74—	135D226X0100F6	100	22	F	20	48.30	43.47	38.64	33.81
74—	135D175X0125C6	125	1.7	C	20	36.20	32.58	28.96	25.34
74—	135D365X0125C6	125	3.6	C	20	36.20	32.58	28.96	25.34
74—	135D685X9125C6	125	6.8	C	10	42.04	38.00	33.96	30.72
74—	135D146X9125F6	125	14	F	10	50.23	45.40	40.57	36.71
74—	135D256X0125T6	125	25	T	20	61.75	55.58	49.40	43.23
74—	135D276X9125F6	125	27	F	10	55.85	50.48	45.11	40.81
74—	135D276X0125F6	125	27	F	20	53.70	48.33	42.96	37.59
74—	135D476X9125T6	125	47	T	10	71.11	64.27	57.44	51.97
74—	135D566X9125K6	125	56	K	10	79.38	71.75	64.11	58.01
74—	135D566X0125K6	125	56	K	20	76.33	68.69	61.06	53.43
74—	135D826X0125K6	125	82	K	20	85.85	77.27	68.68	60.10

SHAY 109D WET TANTALUM CAPACITORS

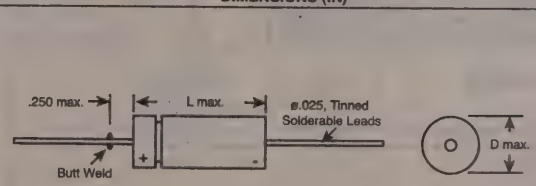
el 109D tubular elastomer-sealed, gelled-electrolyte sintered anode TANTALEX® capacitors fill the basic irements for applications where a superior quality, reliable design for industrial, automotive and ommunications applications is desired. Type 109D capacitors are commercial equivalents of Military Style 4 and CL65, designed to meet the performance requirements of Military Specification MIL-C-3965.

cifications:

perating temperature: -55°C to +85°C, derate 33% @ 125°C • Capacitance tolerance: ±10%

Case Size	With Plastic-Film Insulating Sleeve D ± 0.016 (Max.)	L (Max.)	Lead Length ± .250
C	.219	.608	1.500
F	.312	.796	2.250
T	.406	.921	2.250
K	.406	1.217	2.250

DIMENSIONS (IN)



For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Volt (DC)	Value (μF)	Case Size	Price Each 1	5	10	20	50
-109D157X9010C2		10	150	C	19.55	17.49	16.46	15.95	14.61
-109D567X9010F2		10	560	F	23.10	20.67	19.46	18.85	17.27
-109D108X9010T2		10	1000	T	29.13	26.06	24.53	23.76	21.77
-109D158X9010K2		10	1500	K	40.24	36.01	33.89	32.83	30.08
-109D107X9015C2		15	100	C	19.55	17.49	16.46	15.95	14.61
-109D397X9015F2		15	390	F	23.10	20.67	19.46	18.85	17.27
-109D827X9015T2		15	820	T	29.13	26.06	24.53	23.76	21.77
-109D226X9025C2		25	22	C	15.64	13.99	13.17	12.76	11.69
-109D686X9025C2		25	68	C	19.55	17.49	16.46	15.95	14.61
-109D107X9025F2		25	100	F	18.47	16.52	15.55	15.07	13.80
-109D277X9025F2		25	270	F	20.57	18.40	17.32	16.78	15.37
-109D567X9025T2		25	560	T	29.13	26.06	24.53	23.76	21.77
-109D687X9025K2		25	680	K	40.24	36.01	33.89	32.83	30.08
-109D156X9030C2		30	15	C	15.64	13.99	13.17	12.76	11.69
-109D476X9030C2		30	47	C	19.55	17.49	16.46	15.95	14.61
-109D157X9030F2		30	150	F	23.10	20.67	19.46	18.85	17.27
-109D187X9030F2		30	180	F	23.10	20.67	19.46	18.85	17.27
-109D227X9030F2		30	220	F	23.10	20.67	19.46	18.85	17.27
-109D337X9030T2		30	330	T	29.13	26.06	24.53	23.76	21.77
-109D477X9030T2		30	470	T	29.13	26.06	24.53	23.76	21.77
-109D106X9050C2		50	10	C	15.64	13.99	13.17	12.76	11.69
-109D336X9050C2		50	33	C	19.55	17.49	16.46	15.95	14.61
74—109D476X9050F2		50	47	F	18.47	16.52	15.55	15.07	13.80
74—109D127X9050F2		50	120	F	23.10	20.67	19.46	18.85	17.27
74—109D277X9050T2		50	270	T	29.13	26.06	24.53	23.76	21.77
74—109D337X9050K2		50	330	K	40.24	36.01	33.89	32.83	30.08
74—109D686X9060F2		60	68	F	23.10	20.67	19.46	18.85	17.27
74—109D107X9060F2		60	100	F	23.10	20.67	19.46	18.85	17.27
74—109D227X9060T2		60	220	T	29.13	26.06	24.53	23.76	21.77
74—109D156X9075C2		75	15	C	19.55	17.49	16.46	15.95	14.61
74—109D226X9075C2		75	22	C	19.55	17.49	16.46	15.95	14.61
74—109D336X9075F2		75	33	F	18.47	16.52	15.55	15.07	13.80
74—109D406X9075T2		75	40	T	23.31	20.86	19.63	19.02	17.42
74—109D476X9075F2		75	47	F	23.10	20.67	19.46	18.85	17.27
74—109D566X9075F2		75	56	F	18.47	16.52	15.55	15.07	13.80
74—109D826X9075F2		75	82	F	23.10	20.67	19.46	18.85	17.27
74—109D117X9075T2		75	110	T	29.13	26.06	24.53	23.76	21.77
74—109D187X9075T2		75	180	T	29.13	26.06	24.53	23.76	21.77
74—109D475X9100C2		100	4.7	C	15.64	13.99	13.17	12.76	11.69
74—109D106X9100C2		100	10	C	19.55	17.49	16.46	15.95	14.61
74—109D226X9100F2		100	22	F	18.47	16.52	15.55	15.07	13.80
74—109D396X9100F2		100	39	F	23.10	20.67	19.46	18.85	17.27
74—109D686X9100T2		100	68	T	23.10	20.67	19.46	18.85	17.27

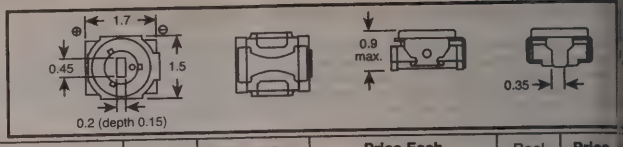
MURATA Lead Free SMD Ceramic Trimmer Capacitors

TZR1 SERIES

Features:
Unique construction with no plastic material provides superior soldering heat resistance to maintain excellent characteristic performance after reflow soldering. Suitable for high frequency circuit due to high self resonant frequency.

Specifications:
- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000M ohm min.
- Torque: 0.1 to 1.0mNm

DIMENSIONS (mm)



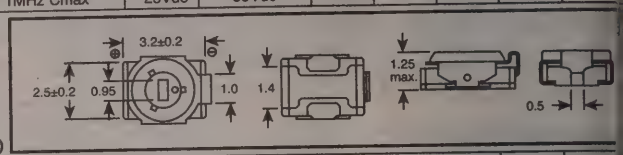
MOUSER STOCK NO.	Murata Part No.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstanding Voltage	Price Each 1	Price Each 10	Price Each 100	Reel Qty.	Price Each
81-TZR1Z010A001R00	TZR1Z010A001R00	0.55	1.0 + 100/-0%	NP0 ± 300	200 Min. @ 200MHz Cmax	25Vdc	55Vdc	2.12	1.86	1.46	3000	.79
81-TZR1Z1R5A001R00	TZR1Z1R5A001R00	0.7	1.5 + 100/-0%	NP0 ± 300	200 Min. @ 200MHz Cmax	25Vdc	55Vdc	2.12	1.86	1.46	3000	.79
81-TZR1Z040A001R00	TZR1Z040A001R00	1.5	4.0 + 100/-0%	NP0 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	1.44	1.26	.99	3000	.54
81-TZR1R080A001R00	TZR1R080A001R00	3.0	8.0 + 100/-0%	N750 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	1.44	1.26	.99	3000	.54

TZY2 SERIES

Features:
New shape of cover can improve the flux invasion compared with current products. Improvement of the adhesion between rotor and stator leads to superior stability. Unique construction with no plastic material provides superior soldering heat resistance to maintain excellent characteristic performance after reflow soldering. Suitable for high frequency circuit due to high self resonant frequency.

Specifications:
- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000M ohm min.
- Torque: 0.5 to 5.0mNm

DIMENSIONS (mm)



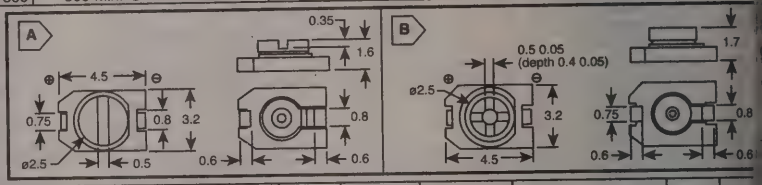
MOUSER STOCK NO.	Murata Part No.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstanding Voltage	Price Each 1	Price Each 10	Price Each 100	Reel Qty.	Price Each
81-TZY2Z010A001R00	TZY2Z010A001R00	0.5	1.0 + 100/-0%	NP0 ± 300	200 Min. @ 200MHz Cmax	25Vdc	55Vdc	.89	.78	.61	2000	.33
81-TZY2Z2R5A001R00	TZY2Z2R5A001R00	0.7	2.5 + 100/-0%	NP0 ± 300	200 Min. @ 100MHz Cmax	25Vdc	55Vdc	.68	.60	.47	2000	.25
81-TZY2Z030A001R00	TZY2Z030A001R00	1.5	3.0 + 100/-0%	NP0 ± 300	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	.68	.60	.47	2000	.25
81-TZY2Z060A001R00	TZY2Z060A001R00	2.5	6.0 + 100/-0%	NP0 ± 300	500 Min. @ 1MHz Cmax	25Vdc	55Vdc	.68	.60	.47	2000	.25
81-TZY2Z100A001R00	TZY2Z100A001R00	3.0	10.0 + 100/-0%	NP0 ± 300	500 Min. @ 1MHz Cmax	25Vdc	55Vdc	.68	.60	.47	2000	.25
81-TZY2R200A001R00	TZY2R200A001R00	4.5	20.0 + 100/-0%	N750 ± 500	500 Min. @ 1MHz Cmax	25Vdc	55Vdc	.68	.60	.47	2000	.25
81-TZY2R250A001R00	TZY2R250A001R00	5.5	25.0 + 100/-0%	N750 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	.68	.60	.47	2000	.25
81-TZY2K450A001R00	TZY2K450A001R00	8.0	45.0 + 100/-0%	N1000 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	.79	.69	.54	2000	.29

TZC3 SERIES

Features:
Color coded stator permits easy identification of capacitance and reduces mounting errors. Can be adjusted with conventional adjustment tools having a thickness of 0.5mm. Designed for automatic placement in surface mount applications. Heat resistant resin withstands reflow soldering temperature.

Specifications:
- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000M ohm min.
- Torque: 1.5 to 10.0mNm

DIMENSIONS (mm)



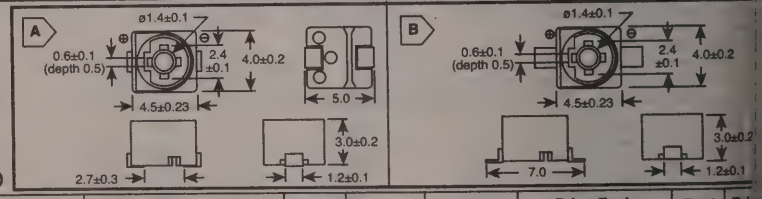
MOUSER STOCK NO.	Murata Part No.	Fig.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstand Voltage	Stator/Case Color	Price Each 1	Price Each 10	Price Each 100	Reel Qty.	Price Each
81-TZC3Z030A110R00	TZC3Z030A110R00	A	1.4	3.0 + 50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown	.64	.56	.44	1000	.24
81-TZC3Z060A110R00	TZC3Z060A110R00	A	2.0	6.0 + 50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	.64	.56	.44	1000	.24
81-TZC3R100A110R00	TZC3R100A110R00	A	3.0	10.0 + 50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	.64	.56	.44	1000	.24
81-TZC3P200A110R00	TZC3P200A110R00	A	5.0	20.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	.64	.56	.44	1000	.24
81-TZC3P300A110R00	TZC3P300A110R00	A	6.5	30.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	.64	.56	.44	1000	.24
81-TZC3Z030A310R00	TZC3Z030A310R00	B	1.4	3.0 + 50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown	.64	.56	.44	1000	.24
81-TZC3Z060A310R00	TZC3Z060A310R00	B	2.0	6.0 + 50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	.64	.56	.44	1000	.24
81-TZC3R100A310R00	TZC3R100A310R00	B	3.0	10.0 + 50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	.64	.56	.44	1000	.24
81-TZC3P200A310R00	TZC3P200A310R00	B	5.0	20.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	.64	.56	.44	1000	.24
81-TZC3P300A310R00	TZC3P300A310R00	B	6.5	30.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	.64	.56	.44	1000	.24

TZB4 SERIES

Features:
Color coded case facilitates identification of capacitance range. Designed for automatic placement in surface mount applications.

Specifications:
- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000M ohm min.
- Torque: 1.5 to 10.0mNm

DIMENSIONS (mm)



MOUSER STOCK NO.	Murata Part No.	Fig.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstand Voltage	Stator/Case Color	Price Each 1	Price Each 10	Price Each 100	Reel Qty.	Price Each
81-TZB4Z030AA10R00	TZB4Z030AA10R00	A	1.4	3.0 + 50/-0%	NP0 ± 200	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown	.76	.67	.53	500	.3
81-TZB4Z060AA10R00	TZB4Z060AA10R00	A	2.0	6.0 + 50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	.76	.67	.53	500	.3
81-TZB4Z100AA10R00	TZB4Z100AA10R00	A	3.0	10.0 + 50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	.76	.67	.53	500	.3
81-TZB4Z250AA10R00	TZB4Z250AA10R00	A	4.0	25.0 + 50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.36	1.19	.93	500	.5
81-TZB4R200AA10R00	TZB4R200AA10R00	A	4.5	20.0 + 50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	.76	.67	.53	500	.3
81-TZB4P300AA10R00	TZB4P300AA10R00	A	6.5	30.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	.76	.67	.53	500	.3
81-TZB4R500AA10R00	TZB4R500AA10R00	A	7.0	50.0 + 50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.36	1.19	.93	500	.5
81-TZB4P400AA10R00	TZB4P400AA10R00	A	8.5	40.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Yellow	.76	.67	.53	500	.3
81-TZB4Z030BA10R00	TZB4Z030BA10R00	B	1.4	3.0 + 50/-0%	NP0 ± 200	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown	.76	.67	.53	500	.3
81-TZB4Z060BA10R00	TZB4Z060BA10R00	B	2.0	6.0 + 50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	.76	.67	.53	500	.3
81-TZB4Z100BA10R00	TZB4Z100BA10R00	B	3.0	10.0 + 50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	.76	.67	.53	500	.3
81-TZB4Z250BA10R00	TZB4Z250BA10R00	B	4.0	25.0 + 50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.36	1.19	.93	500	.5
81-TZB4R200BA10R00	TZB4R200BA10R00	B	4.5	20.0 + 50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	.76	.67	.53	500	.3
81-TZB4P300BA10R00	TZB4P300BA10R00	B	6.5	30.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	.76	.67	.53	500	.3
81-TZB4R500BA10R00	TZB4R500BA10R00	B	7.0	50.0 + 50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.36	1.19	.93	500	.5
81-TZB4P400BA10R00	TZB4P400BA10R00	B	8.5	40.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Yellow	.76	.67	.53	500	.3
81-TZB4Z060AB10R00	TZB4Z060AB10R00	A	2.0	6.0 + 50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	.79	.70	.56	500	.3
81-TZB4Z100AB10R00	TZB4Z100AB10R00	A	3.0	10.0 + 50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	.79	.70	.56	500	.3
81-TZB4Z250AB10R00	TZB4Z250AB10R00	A	4.0	25.0 + 50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.04	.95	.81	500	.5
81-TZB4R200AB10R00	TZB4R200AB10R00	A	4.5	20.0 + 50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	.79	.70	.56	500	.3
81-TZB4P300AB10R00	TZB4P300AB10R00	A	6.5	30.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	.79	.70	.56	500	.3
81-TZB4R500AB10R00	TZB4R500AB10R00	A	7.0	50.0 + 50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.04	.95	.81	500	.5
81-TZB4Z060BB10R00	TZB4Z060BB10R00	B	2.0	6.0 + 50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	.79	.70	.56	500	.3
81-TZB4Z100BB10R00	TZB4Z100BB10R00	B	3.0	10.0 + 50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	.79	.70	.56	500	.3
81-TZB4Z250BB10R00	TZB4Z250BB10R00	B	4.0	25.0 + 50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.04	.95	.81	500	.5
81-TZB4R200BB10R00	TZB4R200BB10R00	B	4.5	20.0 + 50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	.79	.70	.56	500	.3
81-TZB4R500BB10R00	TZB4R500BB10R00	B	7.0	50.0 + 50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.04	.95	.81	500	.5

PRAGUE GOODMAN SMD and Ceramic Trimmer Capacitors

SPRAGUE GOODMAN

SURFTRIM® GKRP SERIES SMD TRIMMER CAPACITORS

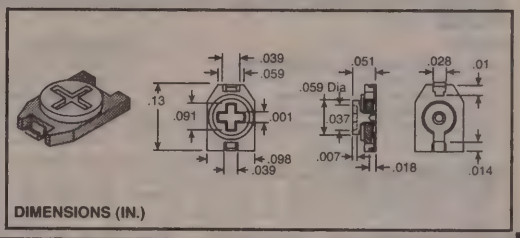
ures:
w mounting profile
aled for washability
f resonant frequency above 1GHz

Specifications:
- Operating temperature range: -40°C to +85°C
- Voltage rating: 25 VDC
- Dielectric withstanding voltage: 75 VDC
- Insulation resistance: 104 MΩ min.
- Torque: 10 to 150 g-cm (0.14 to 2.1 oz-in)

x 3.1 x 1.2mm

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Sprague Goodman Part No.	Cap. Range (pF) Min	Cap. Range (pF) Max	TCC (ppm/°C)	Q (min) @1MHz	Price Each 1	Price Each 25	Price Each 100	Per Reel of 2000 (ea.)
)-GKRP10	GKRP10066	3.0	10	0 ± 500	150	1.48	1.30	.99	.68
)-GKRP20	GKRP20066	5.0	20	N750 ± 500	150	1.48	1.30	.99	.68
)-GKRP30	GKRP30066	7.0	30	N750 ± 500	150	1.48	1.30	.99	.68



DIMENSIONS (IN.)

SURFTRIM® GKY SERIES SMD TRIMMER CAPACITORS

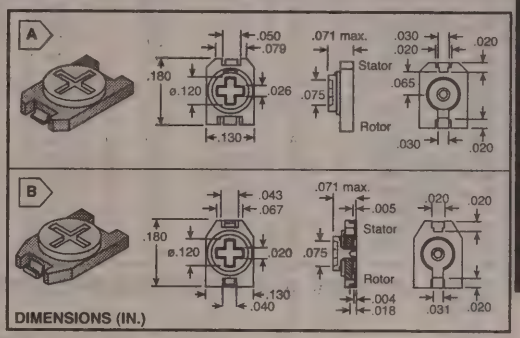
tures:
signed for reflow soldering

Specifications:
- Operating temperature range:
  GKYxx066 series: -25°C to +85°C
  GKYxx086 series: -40°C to +85°C
- Voltage rating:
  GKYxx066 series: 100 VDC
  GKYxx086 series: 25VDC
- Dielectric withstanding voltage:
  GKYxx066 series: 220 VDC
  GKYxx086 series: 25 VDC
- Torque: 10 to 150 g-cm (0.14 to 2.08 oz-in)
- Insulation resistance: 104 MΩ min.

x 4.5 x 1.8mm

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Sprague Goodman Part No.	Fig.	Cap. Range (pF) Min	Cap. Range (pF) Max	Q Factor @1MHz	TCC (ppm/°C)	Color Code	Price Each 1	Price Each 25	Price Each 100	Per Reel of 1000 (ea.)
)-GKY3R066	GKY3R066	A	1.7	3.0	499	NPO± 300	Brown	.93	.82	.70	.42
)-GKY6R066	GKY6R066	A	2.5	6.0	499	NPO± 300	Blue	.93	.82	.70	.42
)-GKY10066	GKY10066	A	3.0	10.0	499	N400± 400	White	.93	.82	.70	.42
)-GKY20066	GKY20066	A	5.0	20.0	300	N900± 400	Red	.93	.82	.70	.42
)-GKY30066	GKY30066	A	6.0	30.0	300	N1200± 500	Green	.93	.82	.70	.42
)-GKY40086	GKY40086	B	4.5	40.0	300	N750± 500	---	1.02	.97	.85	.51
)-GKY50086	GKY50086	B	4.5	50.0	300	N750± 500	---	1.02	.97	.85	.51



DIMENSIONS (IN.)

GKG SERIES CERAMIC TRIMMER CAPACITORS

tures:
w cost due to automated construction
ide selection of capacitance ranges
lor coded housings

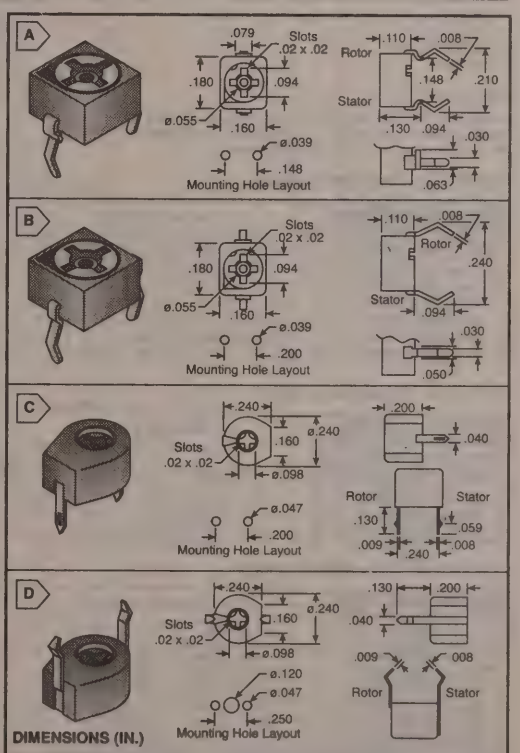
Specifications:
- Operating temperature range: -25°C to +85°C
- Voltage rating: 100 VDC
- Dielectric withstanding voltage: 220 VDC
- Insulation resistance: 10⁴ MΩ min.
- Torque: 10 to 100 g-cm (0.14 to 1.39 oz-in)

4.5 x 2.7mm

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Sprague Goodman Part No.	Fig.	Cap. Range (pF) Min	Cap. Range (pF) Max	Q Factor @1MHz	TCC (ppm/°C)	Color Code	Price Each 1	Price Each 25	Price Each 100
Adjust 4 x 4.5mm Ceramic Trimmer Capacitors										
)-GKG3R021	GKG3R021	A	1.4	3.0	300	NPO± 200	Red Dot	.59	.51	.37
)-GKG6R021	GKG6R021	A	2.0	6.0	499	NPO± 200	Blue	.59	.51	.37
)-GKG10021	GKG10021	A	3.0	10.0	499	NPO± 300	White	.59	.51	.37
)-GKG20021	GKG20021	A	4.5	20.0	499	N900± 350	Red	.59	.51	.37
)-GKG30021	GKG30021	A	6.5	30.0	300	N1100± 450	Green	.59	.51	.37
)-GKG50021	GKG50021	A	15.0	50.0	300	N1700± 500	Orange	.59	.51	.37
Adjust 4 x 4.5mm Ceramic Trimmer Capacitors										
-GKG3R024	GKG3R024	B	1.4	3.0	300	NPO± 200	Red Dot	.59	.51	.37
-GKG6R024	GKG6R024	B	2.0	6.0	499	NPO± 200	Blue	.59	.51	.37
-GKG10024	GKG10024	B	3.0	10.0	499	NPO± 300	White	.59	.51	.37
-GKG20024	GKG20024	B	4.5	20.0	499	N900± 350	Red	.59	.51	.37
-GKG30024	GKG30024	B	6.5	30.0	300	N1100± 450	Green	.59	.51	.37
-GKG50024	GKG50024	B	15.0	50.0	300	N1700± 500	Orange	.59	.51	.37
nomical Top Adjust 6mm Ceramic Trimmer Capacitors										
-GKG3R015	GKG3R015	C	1.0	3.0	300	NPO± 250	Black	.24	.21	.18
-GKG5R015	GKG5R015	C	2.0	5.0	300	NPO± 250	Blue	.24	.21	.18
-GKG10015	GKG10015	C	3.0	10.0	† 300	NPO± 250	White	.24	.21	.18
-GKG20015	GKG20015	C	5.0	20.0	† 300	N750± 250	Red	.24	.21	.18
GKG30015	GKG30015	C	6.5	30.0	† 200	N1000± 500	Green	.24	.21	.18
GKG40015	GKG40015	C	7.0	40.0	† 200	N2200± 800	Yellow	.24	.21	.18
GKG50015	GKG50015	C	10.0	50.0	† 200	N2200± 800	Brown	.24	.21	.18
GKG60015	GKG60015	C	12.0	60.0	200	N2200± 800	Brown	.24	.21	.18
GKG70015	GKG70015	C	15.0	70.0	200	N2200± 800	Brown	.24	.21	.18
nomical Bottom Adjust 6mm Ceramic Trimmer Capacitors										
GKG5R016	GKG5R016	D	2.0	5.0	300	NPO± 250	Blue	.35	.31	.28
GKG10016	GKG10016	D	3.0	10.0	300	NPO± 250	White	.35	.31	.28
GKG20016	GKG20016	D	5.0	20.0	300	N750± 250	Red	.35	.31	.28
GKG30016	GKG30016	D	6.5	30.0	200	N1000± 500	Green	.35	.31	.28
GKG50016	GKG50016	D	10.0	50.0	200	N2200± 800	Brown	.40	.36	.32
GKG60016	GKG60016	D	12.0	60.0	200	N2200± 800	Brown	.40	.36	.32
GKG70016	GKG70016	D	15.0	70.0	200	N2200± 800	Brown	.40	.36	.32

ng on bottom of capacitor † Q Factor at 10 MHz



DIMENSIONS (IN.)

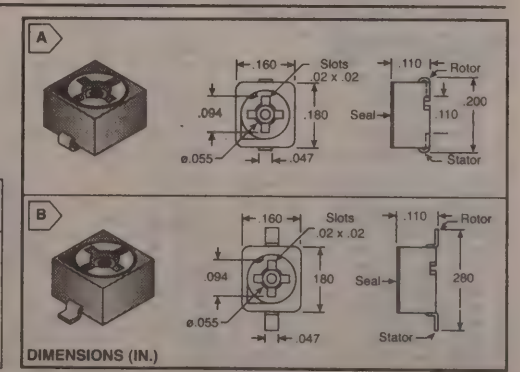
SURFTRIM® GKG SERIES SMD TRIMMER CAPACITORS

es:
d Construction
s seal provides protection against
minants (flux, solvents, etc.) during production
ed for flow reflow soldering

Specifications:
- Operating temperature range: -25°C to +85°C
- Voltage rating: 100 VDC
- Dielectric withstanding voltage: 220 VDC
- Insulation resistance: 10⁴ MΩ min.
- Torque: 15 to 100 g-cm (0.2 to 1.39 oz-in)

5 x 2.7mm

USER CK NO.	Sprague Goodman Part No.	Fig.	Cap. Range (pF) Min	Cap. Range (pF) Max	Q Factor @1MHz	TCC (ppm/°C)	Color Code	Price Each 1	Price Each 25	Price Each 100	Per Reel of 700 (ea.)
KG6R066	GKG6R066	A	2.0	6.0	500	NPO± 200	Blue	.98	.86	.61	.44
KG10066	GKG10066	A	3.0	10.0	500	NPO± 300	White	.98	.86	.61	.44
KG20066	GKG20066	A	4.5	20.0	500	N900± 300	Red	.98	.86	.61	.44
KG30066	GKG30066	A	6.5	30.0	300	N1100± 450	Green	.98	.86	.61	.44
KG6R067	GKG6R067	B	2.0	6.0	500	NPO± 200	Blue	1.18	1.03	.74	.53
KG10067	GKG10067	B	3.0	10.0	500	NPO± 300	White	1.18	1.03	.74	.53
KG20067	GKG20067	B	4.5	20.0	500	N900± 300	Red	1.18	1.03	.74	.53
KG30067	GKG30067	B	6.5	30.0	300	N1100± 450	Green	1.18	1.03	.74	.53



DIMENSIONS (IN.)

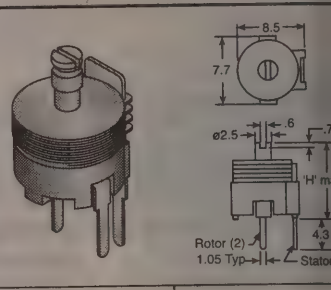
SPRAGUE GOODMAN Trimmer Capacitors

FILMTRIM® PLASTIC DIELECTRIC TRIMMER CAPACITORS, 8MM GYA SERIES, 10MM GYC AND GZC SERIES

Features:
- Low cost for commercial/industrial applications
- Top and bottom adjustable
- Linear capacitance change vs. rotation
- Typical applications: mobile radios, transmitters, pagers, electronic games, wireless security and fire alarms and CATV.

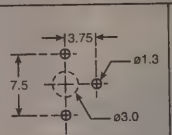
Specifications:
- Voltage rating: 100 VDC
- Dielectric withstanding voltage: 200 VDC
- Contact resistance: 0.010 Ω max
- Insulation resistance: 10^4 MΩ min.
- Operating temperature: GYA,GYC: -40°C to +70°C GZC: -40°C to + 85°C
- Torque: GYA series: 15-250 g-cm (0.21-3.5oz-in) GYC,GZC series: 15-360 g-cm (0.20-5.0oz-in)
- Dielectric construction: GYA, GYC: Polypropylene GZC: Polycarbonate

DIMENSIONS (in

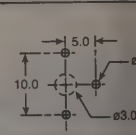


For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Cap. Range (pF)		Q Factor @1MHz	TCC (ppm/°C)	Dimensions (mm)			Color Code	Price Each		
Mfr.	Mfr. Part No.	Min	Max			A	B	C		1	25	100
8mm												
659—	GYA5R000	1.6	5.0	1000	0 ± 300	8.5	7.7	10.2	Clear	1.01	.86	.78
659—	GYA10000	2.0	10.0	1000	0 ± 300	8.5	7.7	10.2	Yellow	1.01	.86	.78
659—	GYA15000	2.0	15.0	1000	0 ± 400	8.5	7.7	10.2	Blue	1.10	.94	.85
659—	GYA22000	2.2	22.0	1000	0 ± 400	8.5	7.7	10.2	Green	1.10	.94	.85
659—	GYA27000	2.3	27.0	1000	0 ± 350	8.5	7.7	10.2	Red	1.13	.96	.87
659—	GYA36000	3.0	36.0	1000	0 ± 300	8.5	7.7	10.2	Violet	1.68	1.44	1.30
10mm												
659—	GYC15000	2.0	15.0	1000	0 ± 400	11	10.2	10.2	Blue	1.42	1.21	1.09
659—	GYC20000	3.0	20.0	1000	0 ± 400	11	10.2	10.2	Green	1.44	1.23	1.11
659—	GYC40000	3.5	40.0	1000	0 ± 350	11	10.2	10.2	Clear	1.37	1.17	1.05
659—	GYC65000	4.5	65.0	1000	0 ± 350	11	10.2	10.2	Yellow	1.42	1.21	1.09
659—	GZC80000	8.0	80.0	200	0 ± 200	11	10.2	10.2	Red	1.87	1.60	1.44
659—	GZC10100	9.0	100.0	200	0 ± 400	11	10.2	11.4	Violet	3.00	2.56	2.31
659—	GZC12100	9.0	120.0	200	0 ± 350	11	10.2	11.4	Orange	4.44	3.79	3.42
659—	GZC15100	10.0	150.0	200	0 ± 350	11	10.2	12.0	Orange	5.18	4.43	4.00
659—	GZC18100	12.0	180.0	200	0 ± 350	11	10.2	12.0	Orange	6.10	5.21	4.70



8mm Mounting Hole Layout



10mm Mounting Hole La

AIRTRIM® GAA SERIES MULTI-TURN TRIMMER CAPACITORS

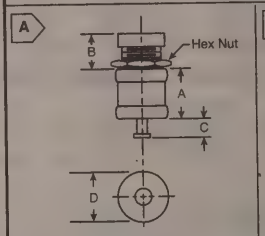
Features:
- Muliple mounting styles, including surface mount
- Excellent stability
- Multiturn resolution
- High Q

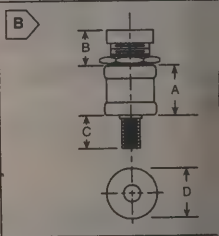
Applications:

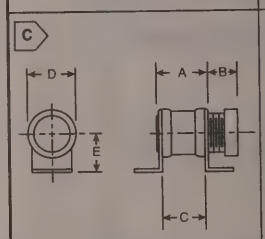
Designed for VHF, UHF and microwave applications: amplifiers, oscillators, filters, radar, cable TV, mobile radios and RF applications. Suitable for military and aerospace environments.

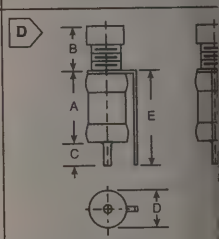
Specifications:
- Operating temperature range: -65°C to +125°C
- Voltage rating: 250 VDC
- Test voltage: 500 VDC
- Insulation resistance:>10 6 MΩ min.
- Contact resistance: < 0.01 Ohms
- Torque: .35 to 3.5pF: 0.3 to 3.0 oz-in(22 to 216 g-cm) .6 to 6.0pF: 0.4 to 4.0 oz-in(29 to 288 g-cm) 1.0 to 16pF: 0.5 to 5.0 oz-in(36 to 360 g-cm)
- Q factor: > 5000 @ 100MHz

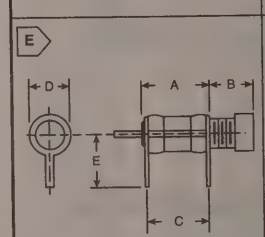
DIMENSIONS (IN.)

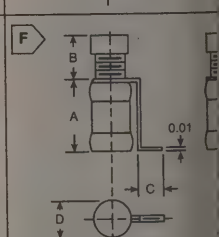


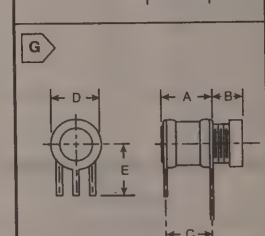


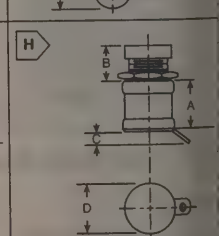


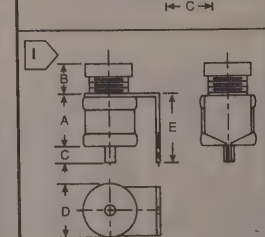


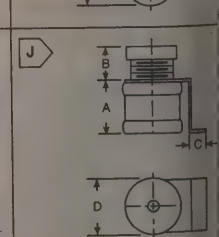












0.35-3.5 pF Capacitance Range

*Round nut

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (In.)					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
*	659—GAA3R501	A	0.26	0.22	0.10	0.16	---	± 30	16.58	14.28	12.25
*	659—GAA3R503	B	0.26	0.22	0.13	0.16	---	± 30	16.58	14.28	12.25
	659—GAA3R505	C	0.28	0.21	0.24	0.16	0.15	± 30	16.58	14.28	12.25
	659—GAA3R512	D	0.28	0.21	0.11	0.16	0.40	± 30	17.06	14.70	12.60
	659—GAA3R513	E	0.28	0.21	0.25	0.16	0.22	± 30	16.58	14.28	12.25
	659—GAA3R514	F	0.28	0.21	0.10	0.16	---	± 30	17.06	14.70	12.60

0.6-6.0 pF Capacitance Range

*Round nut

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (In.)					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
*	659—GAA6R001	A	0.27	0.21	0.08	0.24	---	± 15	13.81	11.90	10.20
	659—GAA6R005	C	0.29	0.19	0.25	0.24	0.20	± 15	14.63	12.60	10.80
	659—GAA6R012	D	0.29	0.19	0.11	0.24	0.40	± 15	14.63	12.60	10.80
	659—GAA6R014	F	0.29	0.19	0.10	0.24	---	± 15	14.63	12.60	10.80

1.0-10.0 pF Capacitance Range

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (In.)					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
	659—GAA10002	H	0.30	0.20	0.06	0.30	---	± 15	12.84	11.06	9.48
	659—GAA10003	B	0.30	0.20	0.20	0.30	---	± 15	12.84	11.06	9.48
	659—GAA10004	G	0.31	0.19	0.30	0.30	0.31	± 15	12.84	11.06	9.48
	659—GAA10005	C	0.31	0.19	0.29	0.30	0.20	± 15	12.84	11.06	9.48
	659—GAA10006	I	0.31	0.19	0.11	0.30	0.44	± 15	12.84	11.06	9.48
	659—GAA10009	L	0.31	0.19	0.10	0.30	---	± 15	12.84	11.06	9.48

1.0-14.0 pF Capacitance Range

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (In.)					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
	659—GAA14001	A	0.30	0.20	0.11	0.30	---	± 15	13.98	12.04	10.32
	659—GAA14004	G	0.31	0.19	0.30	0.30	0.31	± 15	13.98	12.04	10.32
	659—GAA14006	I	0.31	0.19	0.11	0.30	0.44	± 15	13.98	12.04	10.32
	659—GAA14009	J	0.31	0.19	0.10	0.30	---	± 15	13.98	12.04	10.32

2.0-16.0 pF Capacitance Range

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (In.)					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
	659—GAA16001	A	0.30	0.20	0.11	0.30	---	± 15	13.98	12.04	10.32
	659—GAA16003	B	0.30	0.20	0.20	0.30	---	± 15	13.98	12.04	10.32
	659—GAA16004	G	0.31	0.19	0.30	0.30	0.31	± 15	13.98	12.04	10.32
	659—GAA16005	C	0.31	0.19	0.29	0.30	0.20	± 15	13.98	12.04	10.32
	659—GAA16006	I	0.31	0.19	0.11	0.30	0.44	± 15	13.98	12.04	10.32
	659—GAA16009	J	0.31	0.19	0.10	0.30	---	± 15	13.98	12.04	10.32

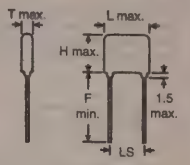
XICON Ceramic and Trimmer Capacitors

EPOXY DIPPED MULTILAYER CERAMIC CAPACITORS

ifications:
xy coated
ered, copper clad steel
dard tolerances
mum 5mm lead length

L	H	T	LS
4.1	3.8	2.5	2.5

DIMENSIONS (mm)



Temperature Coefficient 50 VDC ±10%

USER CK NO.	Value (pF)	Price Each 1	100	500	1000	2000+
0710	10	.10	.082	.063	.055	
0722	22	.10	.082	.063	.055	
0739	39	.10	.082	.063	.055	Call for Quote
0747	47	.10	.082	.063	.055	
0610	100	.11	.088	.068	.059	
0622	220	.12	.10	.078	.068	
0647	470	.14	.12	.089	.078	

Temperature Coefficient 100 VDC ±10%

1612	120	.14	.11	.088	.076	Call for Quote
1627	270	.15	.12	.093	.081	
1633	330	.15	.12	.093	.081	
1510	1,000	.20	.16	.13	.109	

Temperature Coefficient 50 VDC ±10%

USER CK NO.	Value (uF)	Price Each 1	100	500	1000	2000+
X510	.001	.10	.084	.065	.056	
X410	.01	.11	.091	.070	.061	Call for Quote
X421	.02	.13	.11	.085	.074	
X310	.1	.19	.16	.12	.10	

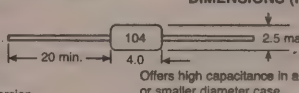
Temperature Coefficient 50 VDC ±20%

Z410	.01	.10	.082	.063	.055	Call for Quote
Z310	.1	.08	.069	.053	.046	

50V CA10 AXIAL CERAMIC CAPACITORS

Specifications:
- Operating temperature: -55°C to +125°C, C0G & X7R, -25°C to +85°C, Z5U
- Dissipation factors: ≤.001 for C≥50pF, C0G, ≤.0033 for C<50pF, C0G, ≤.025, X7R, ≤.03, Z5U
- Solderability: 235°C±5°C, 2 ±0.5 sec @ 1.5–2.0mm immersion

DIMENSIONS (mm)



Offers high capacitance in a 0.1" or smaller diameter case.

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	(pF)	Tolerance ±	Temperature Coefficient	Price Each 1	100	500	Reel Price Each 5000
147-75-100	10	5	C0G	.27	.14	.12	.068
147-75-120	12	5	C0G	.27	.14	.12	.068
147-75-150	15	5	C0G	.27	.14	.12	.068
147-75-180	18	5	C0G	.27	.14	.12	.068
147-75-220	22	5	C0G	.27	.14	.12	.068
147-75-270	27	5	C0G	.27	.14	.12	.068
147-75-330	33	5	C0G	.27	.14	.12	.068
147-75-390	39	5	C0G	.27	.14	.12	.068
147-75-470	47	5	C0G	.27	.14	.12	.068
147-75-680	68	5	C0G	.28	.15	.13	.068
147-75-820	82	5	C0G	.28	.15	.13	.068
147-75-101	100	5	C0G	.28	.15	.13	.068
147-75-121	120	5	C0G	.29	.22	.16	.068
147-75-151	150	5	C0G	.29	.22	.16	.07
147-75-221	220	5	C0G	.29	.22	.16	.07
147-75-271	270	5	C0G	.29	.22	.16	.07
147-75-331	330	5	C0G	.29	.22	.16	.07
147-75-471	470	5	C0G	.29	.22	.16	.07
147-75-102	1000	5	C0G	.33	.25	.18	.09
147-71-391	390	10	X7R	.26	.19	.14	.068
147-71-561	560	10	X7R	.26	.19	.14	.068
147-71-681	680	10	X7R	.26	.19	.14	.068
147-71-821	820	10	X7R	.26	.19	.14	.068
147-71-152	1500	10	X7R	.26	.19	.14	.07
147-71-222	2200	10	X7R	.26	.19	.14	.07
147-71-472	4700	10	X7R	.26	.20	.14	.07
147-71-562	5600	10	X7R	.26	.20	.14	.07
147-71-103	10000	10	X7R	.17	.12	.09	.068
147-71-223	22000	10	X7R	.33	.25	.18	.079
147-71-333	33000	10	X7R	.36	.27	.19	.086
147-71-473	47000	10	X7R	.37	.28	.20	.093
147-72-103	10000	20	Z5U	.16	.12	.09	.055
147-72-473	47000	20	Z5U	.21	.15	.10	.068
147-72-104	100000	20	Z5U	.16	.12	.09	.043
147-72-224	220000	20	Z5U	.42	.32	.23	.10

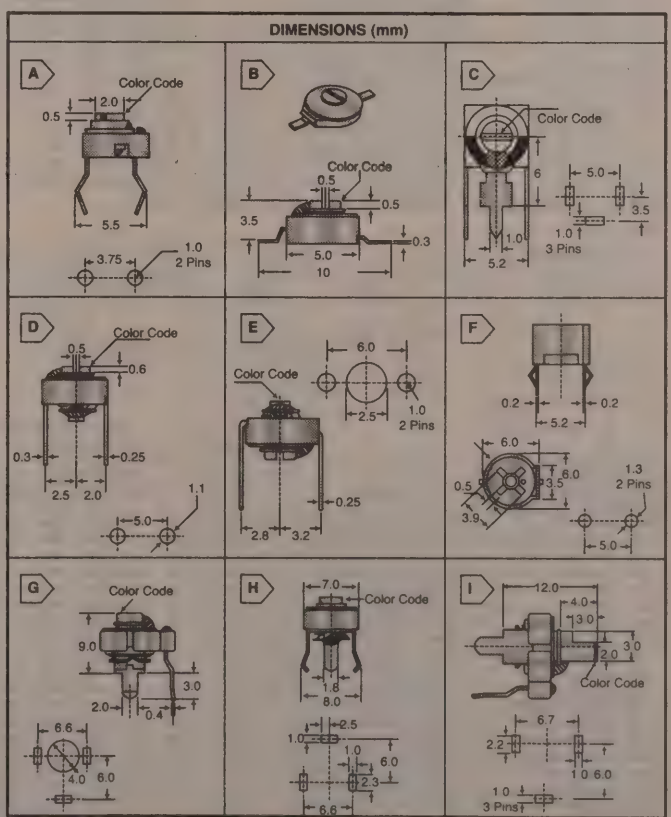
RAMIC TRIMMER CAPACITORS

erature stable
k and vibration resistant
- Frequency control through microwave
- Small, stable, high quality
- Operating Temperature Range: -30°C to 85°C

For quantities of 1,000 and up, call for quote.

USER CK NO.	Fig.	Range (pF)	Q Factor @ 10MHz	Temp. Coeff. ppm/°C	Rotor Color Code	Price Each 1	10	100	500
Super Miniature, 50WVDC									
1810	A	1.8-10.0	>300	N550±300	None	1.51	1.26	1.15	1.02
2820	A	2.8-20.0	>300	N550±300	Blue	1.51	1.26	1.15	1.02
4030	A	4.0-30.0	>200	N1200±500	Yellow	1.51	1.26	1.15	1.02
Surface Mount Micro-Miniature, 200WVDC									
1070	B	1.8-6.0	>300	NPO±250	Red	.97	.81	.74	.65
1071	B	2.8-12.5	>300	N600±300	None	.97	.81	.74	.65
1072	B	3.5-20	>300	N750±300	Blue	.97	.81	.74	.65
1073	B	5.0-30	>200	N1500±300	Yellow	1.04	.86	.79	.70
1074	B	9.0-50	>200	N1500±300	Green	1.06	.88	.81	.71
Micro-Miniature, 200WVDC									
1080	C	1.8-6.0	>300	NPO±250	Red	1.06	.88	.81	.71
1081	C	2.8-12.5	>300	N600±300	None	1.06	.88	.81	.71
1082	C	3.5-20	>300	N750±300	Blue	1.06	.88	.81	.71
1083	C	5.0-30	>200	N1500±500	Yellow	1.09	.91	.83	.74
1084	C	9.0-50	>200	N1500±500	Green	1.13	.94	.86	.77
1020	D	1.8-6.0	>300	NPO±250	Red	.97	.81	.74	.65
1021	D	2.8-12.5	>300	N600±300	None	.97	.81	.74	.65
1022	D	3.5-20	>300	N750±300	Blue	.98	.82	.74	.66
1023	D	5.0-30	>200	N1500±500	Yellow	1.05	.87	.80	.71
1024	D	9.0-50	>200	N1500±500	Green	1.05	.87	.80	.71
1091	E	2.8-12.5	>300	N600±300	None	1.05	.87	.80	.71
1092	E	3.5-20.0	>300	N750±300	Blue	1.05	.87	.80	.71
Snap-In Mount, 100WVDC									
1010	F	3.0-10	>300	NPO±200	White	.48	.40	.37	.33
1221	F	4.2-20	>300	N450±300	Red	.48	.40	.37	.33
1230	F	6.2-30	>200	N750±300	Green	.48	.40	.37	.33
1850	F	9.8-50	>244	N1200±600	Brown	.48	.40	.37	.33
Ultra-Miniature, 225WVDC									
1113	G	4.0-34	>300	N550±800	Yellow	1.06	.88	.81	.71
1310-12	H	2.0-12	>300	NPO±200	None	.88	.73	.66	.60
1310-23	H	2.8-23	>300	N450±200	Blue	.88	.73	.66	.60
1310-45	H	5.0-45	>200	N1400±800	Brown	1.04	.86	.79	.70
1310-55	H	5.0-55	>200	N1400±800	Green	1.06	.88	.81	.71
1310-70	H	6.0-70	>200	N1400±800	Gray	1.08	.99	.90	.82
1310-100	H	12.0-100	200@1MHz	N1400±800	Black	1.13	1.08	.95	.84
Ultra-Miniature, Rotary Shaft									
1110-34	I	4.0-34	>300	N500±800	Yellow	1.08	.89	.82	.73
1110-45	I	5.0-45	>200	N1400±800	Brown	1.12	.94	.85	.76
1110-55	I	5.0-55	>200	N1400±800	Green	1.21	1.00	.92	.82
1110-70	I	6.0-70	>200	N1400±800	None	1.26	1.05	.96	.85

DIMENSIONS (mm)

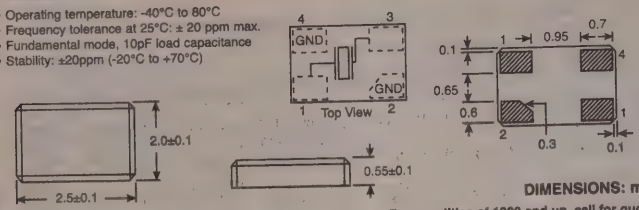


ABRACON Ceramic Microprocessor Crystals

ABRACON ABM10 SERIES ULTRA MINI CERAMIC, SMD

Features:

- Operating temperature: -40°C to 80°C
- Frequency tolerance at 25°C: ± 20 ppm max.
- Fundamental mode, 10pF load capacitance
- Stability: ±20ppm (-20°C to +70°C)



DIMENSIONS: mm

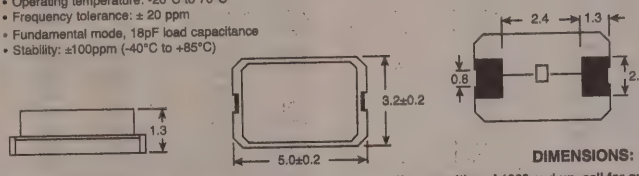
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABM10-20-E20-T	ABM10-20.000MHZ-E20-T	20.0000	7.50	6.25	5.00	4.38	3.75
815-ABM10-22.118E20T	ABM10-22.1184MHZ-E20-T	22.1184	7.50	6.25	5.00	4.38	3.75
815-ABM10-24-E20-T	ABM10-24.000MHZ-E20-T	24.000	7.50	6.25	5.00	4.38	3.75
815-ABM10-24.576E20T	ABM10-24.576MHZ-E20-T	24.576	7.50	6.25	5.00	4.38	3.75
815-ABM10-25-E20-T	ABM10-25.000MHZ-E20-T	25.000	7.50	6.25	5.00	4.38	3.75
815-ABM10-27-E20-T	ABM10-27.000MHZ-E20-T	27.000	7.50	6.25	5.00	4.38	3.75
815-ABM10-30-E20-T	ABM10-30.000MHZ-E20-T	30.000	7.50	6.25	5.00	4.38	3.75
815-ABM10-40-E20-T	ABM10-40.000MHZ-E20-T	40.000	7.50	6.25	5.00	4.38	3.75
815-ABM10-48-E20-T	ABM10-48.000MHZ-E20-T	48.000	7.50	6.25	5.00	4.38	3.75

ABRACON ABM3 SERIES MINI CERAMIC, SMD

Features:

- Operating temperature: -20°C to 70°C
- Frequency tolerance: ± 20 ppm
- Fundamental mode, 18pF load capacitance
- Stability: ±100ppm (-40°C to +85°C)



DIMENSIONS: mm

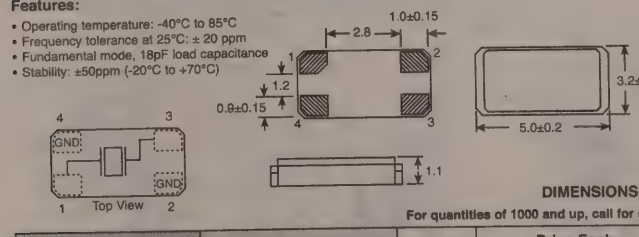
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABM3-12-B2-T	ABM3-12.000MHZ-B2-T	12.000	1.50	1.25	1.00	.88	.75
815-ABM3-13.560-B2-T	ABM3-13.560MHZ-B2-T	13.560	1.50	1.25	1.00	.88	.75
815-ABM3-14.31818B2T	ABM3-14.31818MHZ-B2-T	14.3182	1.50	1.25	1.00	.88	.75
815-ABM3-16-B2-T	ABM3-16.000MHZ-B2-T	16.000	1.50	1.25	1.00	.88	.75
815-ABM3-18.432-B2-T	ABM3-18.432MHZ-B2-T	18.432	1.50	1.25	1.00	.88	.75
815-ABM3-20-B2-T	ABM3-20.000MHZ-B2-T	20.000	1.50	1.25	1.00	.88	.75
815-ABM3-24-B2-T	ABM3-24.000MHZ-B2-T	24.000	1.50	1.25	1.00	.88	.75
815-ABM3-24.576-B2-T	ABM3-24.576MHZ-B2-T	24.576	1.50	1.25	1.00	.88	.75
815-ABM3-25-B2-T	ABM3-25.000MHZ-B2-T	25.000	1.50	1.25	1.00	.88	.75
815-ABM3-27-B2-T	ABM3-27.000MHZ-B2-T	27.000	1.50	1.25	1.00	.88	.75
815-ABM3-28.6363-B2T	ABM3-28.6363MHZ-B2-T	28.6363	1.50	1.25	1.00	.88	.75
815-ABM3-29.4912-B2T	ABM3-29.4912MHZ-B2-T	29.4912	1.50	1.25	1.00	.88	.75
815-ABM3-30-B2-T	ABM3-30.000MHZ-B2-T	30.000	1.50	1.25	1.00	.88	.75
815-ABM3-33-B2-T	ABM3-33.000MHZ-B2-T	33.000	1.50	1.25	1.00	.88	.75
815-ABM3-40-B2-T	ABM3-40.000MHZ-B2-T	40.000	1.50	1.25	1.00	.88	.75
815-ABM3-48-B2-T	ABM3-48.000MHZ-B2-T	48.000	1.50	1.25	1.00	.88	.75

ABRACON ABM3B SERIES MINI CERAMIC, SMD

Features:

- Operating temperature: -40°C to 85°C
- Frequency tolerance at 25°C: ± 20 ppm
- Fundamental mode, 18pF load capacitance
- Stability: ±50ppm (-20°C to +70°C)



DIMENSIONS: mm

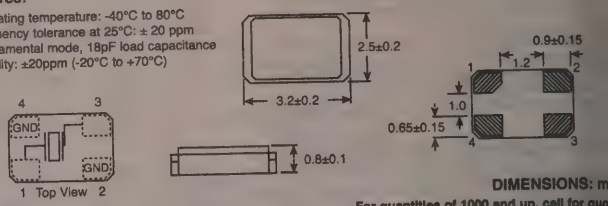
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABM3B-12-B2	ABM3B-12.000MHZ-B2-T	12.000	1.50	1.25	1.00	.88	.75
815-ABM3B-12.288-B2T	ABM3B-12.288MHZ-B2-T	12.288	1.50	1.25	1.00	.88	.75
815-ABM3B-13-B2-T	ABM3B-13.000MHZ-B2-T	13.000	1.50	1.25	1.00	.88	.75
815-ABM3B-13.824-B2T	ABM3B-13.824MHZ-B2-T	13.824	1.50	1.25	1.00	.88	.75
815-ABM3B-14.3181B2T	ABM3B-14.31818MHZ-B2-T	14.3182	1.50	1.25	1.00	.88	.75
815-ABM3B-15.360-B2T	ABM3B-15.360MHZ-B2-T	15.360	1.50	1.25	1.00	.88	.75
815-ABM3B-16-B2	ABM3B-16.000MHZ-B2-T	16.000	1.50	1.25	1.00	.88	.75
815-ABM3B-16.384-B2	ABM3B-16.384MHZ-B2-T	16.384	1.50	1.25	1.00	.88	.75
815-ABM3B-18.432-B2	ABM3B-18.432MHZ-B2-T	18.432	1.50	1.25	1.00	.88	.75
815-ABM3B-20-B2	ABM3B-20.000MHZ-B2-T	20.000	1.50	1.25	1.00	.88	.75
815-ABM3B-24-B2	ABM3B-24.000MHZ-B2-T	24.000	1.50	1.25	1.00	.88	.75
815-ABM3B-24.576-B2	ABM3B-24.576MHZ-B2-T	24.576	1.50	1.25	1.00	.88	.75
815-ABM3B-25-B2	ABM3B-25.000MHZ-B2-T	25.000	1.50	1.25	1.00	.88	.75
815-ABM3B-27-B2	ABM3B-27.000MHZ-B2-T	27.000	1.50	1.25	1.00	.88	.75
815-ABM3B-30-B2	ABM3B-30.000MHZ-B2-T	30.000	1.50	1.25	1.00	.88	.75
815-ABM3B-32-B2	ABM3B-32.000MHZ-B2-T	32.000	1.50	1.25	1.00	.88	.75
815-ABM3B-40-B2	ABM3B-40.000MHZ-B2-T	40.000	1.50	1.25	1.00	.88	.75
815-ABM3B-48-B2	ABM3B-48.000MHZ-B2-T	48.000	1.50	1.25	1.00	.88	.75

ABRACON ABM8 SERIES ULTRA MINI CERAMIC, SMD

Features:

- Operating temperature: -40°C to 80°C
- Frequency tolerance at 25°C: ± 20 ppm
- Fundamental mode, 18pF load capacitance
- Stability: ±20ppm (-20°C to +70°C)



DIMENSIONS: m

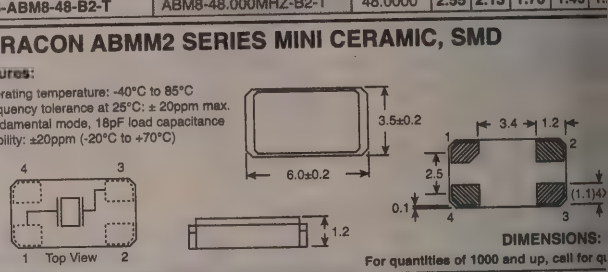
For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	50
815-ABM8-16-B2-T	ABM8-16.000MHZ-B2-T	16.0000	2.55	2.13	1.70	1.49	1.2
815-ABM8-18.432-B2-T	ABM8-18.432MHZ-B2-T	18.4320	2.55	2.13	1.70	1.49	1.2
815-ABM8-20-B2-T	ABM8-20.000MHZ-B2-T	20.0000	2.55	2.13	1.70	1.49	1.2
815-ABM8-22.1184-B2T	ABM8-22.1184MHZ-B2-T	22.1184	2.55	2.13	1.70	1.49	1.2
815-ABM8-24-B2-T	ABM8-24.000MHZ-B2-T	24.0000	2.55	2.13	1.70	1.49	1.2
815-ABM8-24.576-B2-T	ABM8-24.576MHZ-B2-T	24.5760	2.55	2.13	1.70	1.49	1.2
815-ABM8-25-B2-T	ABM8-25.000MHZ-B2-T	25.0000	2.55	2.13	1.70	1.49	1.2
815-ABM8-27-B2-T	ABM8-27.000MHZ-B2-T	27.0000	2.55	2.13	1.70	1.49	1.2
815-ABM8-28.375-B2-T	ABM8-28.375MHZ-B2-T	28.3750	2.55	2.13	1.70	1.49	1.2
815-ABM8-28.63636B2T	ABM8-28.63636MHZ-B2-T	28.63636	2.55	2.13	1.70	1.49	1.2
815-ABM8-29.4912-B2T	ABM8-29.4912MHZ-B2-T	29.4912	2.55	2.13	1.70	1.49	1.2
815-ABM8-30-B2-T	ABM8-30.000MHZ-B2-T	30.0000	2.55	2.13	1.70	1.49	1.2
815-ABM8-33-B2-T	ABM8-33.000MHZ-B2-T	33.0000	2.55	2.13	1.70	1.49	1.2
815-ABM8-40-B2-T	ABM8-40.000MHZ-B2-T	40.0000	2.55	2.13	1.70	1.49	1.2
815-ABM8-44-B2-T	ABM8-44.000MHZ-B2-T	44.0000	2.55	2.13	1.70	1.49	1.2
815-ABM8-48-B2-T	ABM8-48.000MHZ-B2-T	48.0000	2.55	2.13	1.70	1.49	1.2

ABRACON ABMM2 SERIES MINI CERAMIC, SMD

Features:

- Operating temperature: -40°C to 85°C
- Frequency tolerance at 25°C: ± 20ppm max.
- Fundamental mode, 18pF load capacitance
- Stability: ±20ppm (-20°C to +70°C)



DIMENSIONS:

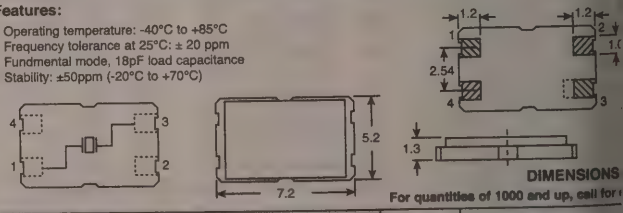
For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	5
815-ABMM2-8-E2T	ABMM2-8.000MHZ-E2-T	8.0000	1.19	1.00	.81	.72	
815-ABMM2-10-E2T	ABMM2-10.000MHZ-E2-T	10.0000	1.19	1.00	.81	.72	
815-ABMM2-11.059-E2T	ABMM2-11.0592MHZ-E2-T	11.0592	1.19	1.00	.81	.72	
815-ABMM2-12-E2T	ABMM2-12.000MHZ-E2-T	12.0000	1.19	1.00	.81	.72	
815-ABMM2-14.318-E2T	ABMM2-14.31818MHZ-E2-T	14.31818	1.19	1.00	.81	.72	
815-ABMM2-14.745-E2T	ABMM2-14.7456MHZ-E2-T	14.7456	1.19	1.00	.81	.72	
815-ABMM2-16-E2T	ABMM2-16.000MHZ-E2-T	16.0000	1.19	1.00	.81	.72	
815-ABMM2-16.934-E2T	ABMM2-16.9344MHZ-E2-T	16.9344	1.19	1.00	.81	.72	
815-ABMM2-19.660-E2T	ABMM2-19.6608MHZ-E2-T	19.6608	1.19	1.00	.81	.72	
815-ABMM2-20-E2T	ABMM2-20.000MHZ-E2-T	20.0000	1.19	1.00	.81	.72	
815-ABMM2-24-E2T	ABMM2-24.000MHZ-E2-T	24.0000	1.19	1.00	.81	.72	
815-ABMM2-24.576-E2T	ABMM2-24.576MHZ-E2-T	24.5760	1.19	1.00	.81	.72	
815-ABMM2-25-E2T	ABMM2-25.000MHZ-E2-T	25.0000	1.19	1.00	.81	.72	
815-ABMM2-27-E2T	ABMM2-27.000MHZ-E2-T	27.0000	1.19	1.00	.81	.72	
815-ABMM2-32-B2FT	ABMM2-32.000MHZ-E2-T	32.0000	1.19	1.00	.81	.72	

ABRACON ABMM SERIES CERAMIC, SMD

Features:

- Operating temperature: -40°C to +85°C
- Frequency tolerance at 25°C: ± 20 ppm
- Fundmental mode, 18pF load capacitance
- Stability: ±50ppm (-20°C to +70°C)



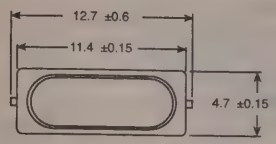
DIMENSIONS

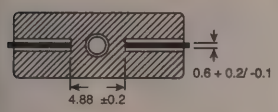
For quantities of 1000 and up, call for

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each			
			1	10	50	100
815-ABMM-8-B2-T	ABMM-8.000MHZ-B2-T	8.0000	1.13	.94	.75	.66
815-ABMM-10-B2-T	ABMM-10.000MHZ-B2-T	10.0000	1.13	.94	.75	.66
815-ABMM-11.0592-B2T	ABMM-11.0592MHZ-B2-T	11.0592	1.13	.94	.75	.66
815-ABMM-12-B2-T	ABMM-12.000MHZ-B2-T	12.0000	1.13	.94	.75	.66
815-ABMM-14.3181-B2T	ABMM-14.31818MHZ-B2-T	14.31818	1.13	.94	.75	.66
815-ABMM-14.7456-B2T	ABMM-14.7456MHZ-B2-T	14.7456	1.13	.94	.75	.66
815-ABMM-16-B2-T	ABMM-16.000MHZ-B2-T	16.0000	1.13	.94	.75	.66
815-ABMM-16.9344-B2T	ABMM-16.9344MHZ-B2-T	16.9344	1.13	.94	.75	.66
815-ABMM-19.6608-B2T	ABMM-19.6608MHZ-B2-T	19.6608	1.13	.94	.75	.66
815-ABMM-20B2-T	ABMM-20.000MHZB2-T	20.0000	1.13	.94	.75	.66
815-ABMM-24-B2-T	ABMM-24.000MHZ-B2-T	24.0000	1.13	.94	.75	.66
815-ABMM-24.576-B2-T	ABMM-24.576MHZ-B2-T	24.5760	1.13	.94	.75	.66
815-ABMM-25-B2-T	ABMM-25.000MHZ-B2-T	25.0000	1.13	.94	.75	.66
815-ABMM-27-B2-T	ABMM-27.000MHZ-B2-T	27.0000	1.13	.94	.75	.66
815-ABMM-32-B2-T	ABMM-32.000MHZ-B2-T	32.0000	1.13	.94	.75	.66

ABLS SERIES MICROPROCESSOR CRYSTALS, SMD

ing temperature: -40°C to +85°C
ncy tolerance: ± 20ppm
ad capacitance
y: ±50ppm (-20°C to +70°C)





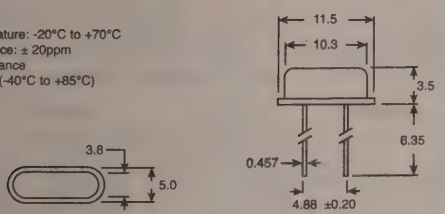
DIMENSIONS: mm

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
BLS-3.579545B2	ABLS-3.579545MHZ-B2-T	3.57955	.45	.38	.30	.26	.23
BLS-3.6864-B2	ABLS-3.6864MHZ-B2-T	3.6864	.45	.38	.30	.26	.23
BLS-4-B2	ABLS-4.000MHZ-B2-T	4.0000	.45	.38	.30	.26	.23
BLS-4.9152-B2	ABLS-4.9152MHZ-B2-T	4.9152	.45	.38	.30	.26	.23
BLS-5-B2	ABLS-5.000MHZ-B2-T	5.0000	.45	.38	.30	.26	.23
BLS-7.3728-B2	ABLS-7.3728MHZ-B2-T	7.3728	.45	.38	.30	.26	.23
BLS-8-B2	ABLS-8.000MHZ-B2-T	8.0000	.45	.38	.30	.26	.23
BLS-8.192-B2	ABLS-8.192MHZ-B2-T	8.1920	.45	.38	.30	.26	.23
BLS-10-B2	ABLS-10.000MHZ-B2-T	10.0000	.45	.38	.30	.26	.23
BLS-11.0592-B2	ABLS-11.0592MHZ-B2-T	11.0592	.45	.38	.30	.26	.23
BLS-12-B2	ABLS-12.000MHZ-B2-T	12.0000	.45	.38	.30	.26	.23
BLS-12.288-B2	ABLS-12.288MHZ-B2-T	12.2880	.45	.38	.30	.26	.23
BLS-14.31818-B2	ABLS-14.31818MHZ-B2-T	14.31818	.45	.38	.30	.26	.23
BLS-14.7456-B2	ABLS-14.7456MHZ-B2-T	14.7456	.45	.38	.30	.26	.23
BLS-16-B2	ABLS-16.000MHZ-B2-T	16.0000	.45	.38	.30	.26	.23
BLS-18.432-B2	ABLS-18.432MHZ-B2-T	18.4320	.45	.38	.30	.26	.23
BLS-19.6608-B2	ABLS-19.6608MHZ-B2-T	19.6608	.45	.38	.30	.26	.23
BLS-20-B2	ABLS-20.000MHZ-B2-T	20.0000	.45	.38	.30	.26	.23
BLS-22.1184-B2	ABLS-22.1184MHZ-B2-T	22.1184	.45	.38	.30	.26	.23
BLS-24-B2	ABLS-24.000MHZ-B2-T	24.0000	.45	.38	.30	.26	.23
BLS-24.576-B2	ABLS-24.576MHZ-B2F-T	24.5760	.45	.38	.30	.26	.23
BLS-25-B2	ABLS-25.000MHZ-B2F-T	25.0000	.45	.38	.30	.26	.23
BLS-27-B2	ABLS-27.000MHZ-B2F-T	27.0000	.45	.38	.30	.26	.23
BLS-32-B2	ABLS-32.000MHZ-B2-T	32.7680	.45	.38	.30	.26	.23
BLS-48-B2	ABLS-48.000MHZ-B2-T	48.0000	.45	.38	.30	.26	.23
BLS-49.152-B2	ABLS-49.152MHZ-B2-T	49.1520	.45	.38	.30	.26	.23

ABL SERIES MICROPROCESSOR CRYSTALS, LEADED, HC49US

ng temperature: -20°C to +70°C
ncy tolerance: ± 20ppm
ad capacitance
: ±50ppm (-40°C to +85°C)



DIMENSIONS: mm

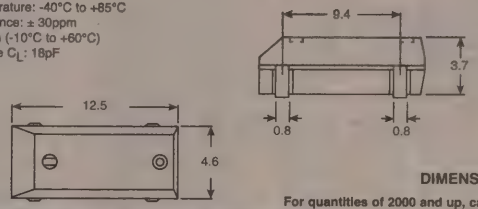
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
BL-3.579545B2	ABL-3.579545MHZ-B2	3.57955	.42	.35	.28	.25	.21
BL-3.6864-B2	ABL-3.6864MHZ-B2	3.6864	.42	.35	.28	.25	.21
BL-4-B2	ABL-4.000MHZ-B2	4.0000	.42	.35	.28	.25	.21
BL-4.096-B2	ABL-4.096MHZ-B2	4.0960	.42	.35	.28	.25	.21
BL-4.9152-B2	ABL-4.9152MHZ-B2	4.9152	.42	.35	.28	.25	.21
BL-6-B2	ABL-6.000MHZ-B2	6.0000	.42	.35	.28	.25	.21
BL-7.3728-B2	ABL-7.3728MHZ-B2	7.3728	.42	.35	.28	.25	.21
BL-8-B2	ABL-8.000MHZ-B2	8.0000	.42	.35	.28	.25	.21
BL-8.192-B2	ABL-8.192MHZ-B2	8.1920	.42	.35	.28	.25	.21
BL-9.8304-B2	ABL-9.8304MHZ-B2	9.8304	.42	.35	.28	.25	.21
BL-10-B2	ABL-10.000MHZ-B2	10.0000	.42	.35	.28	.25	.21
BL-11.0592-B2	ABL-11.0592MHZ-B2	11.0592	.42	.35	.28	.25	.21
BL-12-B2	ABL-12.000MHZ-B2	12.0000	.42	.35	.28	.25	.21
BL-12.288-B2	ABL-12.288MHZ-B2	12.2880	.42	.35	.28	.25	.21
BL-14.31818B2	ABL-14.31818MHZ-B2	14.31818	.42	.35	.28	.25	.21
BL-14.7456-B2	ABL-14.7456MHZ-B2	14.7456	.42	.35	.28	.25	.21
L-16-B2	ABL-16.000MHZ-B2	16.0000	.42	.35	.28	.25	.21
L-16.128-B2	ABL-16.128MHZ-B2	16.1280	.42	.35	.28	.25	.21
L-16.384-B2	ABL-16.384MHZ-B2	16.3840	.42	.35	.28	.25	.21
L-18.432-B2	ABL-18.432MHZ-B2	18.4320	.42	.35	.28	.25	.21
L-19.6608-B2	ABL-19.6608MHZ-B2	19.6608	.42	.35	.28	.25	.21
L-20-B2	ABL-20.000MHZ-B2	20.0000	.42	.35	.28	.25	.21
L-22.1184-B2	ABL-22.1184MHZ-B2	22.1184	.42	.35	.28	.25	.21
L-24-B2	ABL-24.000MHZ-B2	24.0000	.42	.35	.28	.25	.21
L-24.576-B2F	ABL-24.576MHZ-B2F	24.5760	.42	.35	.28	.25	.21
L-25-B2F	ABL-25.000MHZ-B2F	25.0000	.42	.35	.28	.25	.21
L-27-B2F	ABL-27.000MHZ-B2F	27.0000	.42	.35	.28	.25	.21
L-32-B2F	ABL-32.000MHZ-B2	32.0000	.42	.35	.28	.25	.21
L-40-B2F	ABL-40.000MHZ-B2	40.0000	.75	.63	.50	.44	.38
L-48-B2F	ABL-48.000MHZ-B2	48.0000	1.50	1.25	1.00	.88	.75

ABSM2 SERIES MICROPROCESSOR CRYSTALS, MOLDED PLASTIC, SMD

Features:

- Operating temperature: -40°C to +85°C
- Frequency tolerance: ± 30ppm
- Stability: ±50ppm (-10°C to +60°C)
- Load capacitance C_L: 18pF



DIMENSIONS: mm

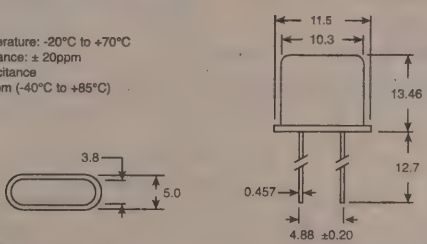
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-ABSM2-3.579545-4	ABSM2-3.579545MHZ-4-T	3.579545	.90	.75	.60	.53	.45
815-ABSM2-3.6864-4	ABSM2-3.6864MHZ-4-T	3.686400	.90	.75	.60	.53	.45
815-ABSM2-4.000-4	ABSM2-4.000MHZ-4-T	4.000000	.90	.75	.60	.53	.45
815-ABSM2-4.9152-4	ABSM2-4.9152MHZ-4-T	4.915200	.90	.75	.60	.53	.45
815-ABSM2-5.000-4	ABSM2-5.000MHZ-4-T	5.000000	.90	.75	.60	.53	.45
815-ABSM2-7.3728-4	ABSM2-7.3728MHZ-4-T	7.372800	.90	.75	.60	.53	.45
815-ABSM2-8.000-4	ABSM2-8.000MHZ-4-T	8.000000	.90	.75	.60	.53	.45
815-ABSM2-8.192-4	ABSM2-8.192MHZ-4-T	8.192000	.90	.75	.60	.53	.45
815-ABSM2-10.000-4	ABSM2-10.000MHZ-4-T	10.000000	.90	.75	.60	.53	.45
815-ABSM2-11.0592-4	ABSM2-11.0592MHZ-4-T	11.059200	.90	.75	.60	.53	.45
815-ABSM2-12.000-4	ABSM2-12.000MHZ-4-T	12.000000	.90	.75	.60	.53	.45
815-ABSM2-12.288-4	ABSM2-12.288MHZ-4-T	12.288000	.90	.75	.60	.53	.45
815-ABSM2-14.31818-4	ABSM2-14.31818MHZ-4-T	14.318180	.90	.75	.60	.53	.45
815-ABSM2-14.7456-4	ABSM2-14.7456MHZ-4-T	14.745600	.90	.75	.60	.53	.45
815-ABSM2-16.000-4	ABSM2-16.000MHZ-4-T	16.000000	.90	.75	.60	.53	.45
815-ABSM2-18.432-4	ABSM2-18.432MHZ-4-T	18.432000	.90	.75	.60	.53	.45
815-ABSM2-19.6608-4	ABSM2-19.6608MHZ-4-T	19.660800	.90	.75	.60	.53	.45
815-ABSM2-20.000-4	ABSM2-20.000MHZ-4-T	20.000000	.90	.75	.60	.53	.45
815-ABSM2-22.1184-4	ABSM2-22.1184MHZ-4-T	22.118400	1.08	.90	.72	.63	.54
815-ABSM2-24.000-4	ABSM2-24.000MHZ-4-T	24.000000	1.08	.90	.72	.63	.54
815-ABSM2-24.576-4	ABSM2-24.576MHZ-4-T	24.576000	1.08	.90	.72	.63	.54
815-ABSM2-25.000-4	ABSM2-25.000MHZ-4-T	25.000000	1.08	.90	.72	.63	.54
815-ABSM2-27.000-4	ABSM2-27.000MHZ-4-T	27.000000	1.08	.90	.72	.63	.54
815-ABSM2-32.000-4	ABSM2-32.000MHZ-4-T	32.768000	1.08	.90	.72	.63	.54
815-ABSM2-48.000-4	ABSM2-48.000MHZ-4-T	48.000000	1.08	.90	.72	.63	.54
815-ABSM2-49.152-4	ABSM2-49.152MHZ-4-T	49.152000	1.08	.90	.72	.63	.54

AB SERIES MICROPROCESSOR CRYSTALS, LEADED, HC49/U

Features:

- Operating temperature: -20°C to +70°C
- Frequency tolerance: ± 20ppm
- 18pF load capacitance
- Stability: ±100ppm (-40°C to +85°C)



DIMENSIONS: mm

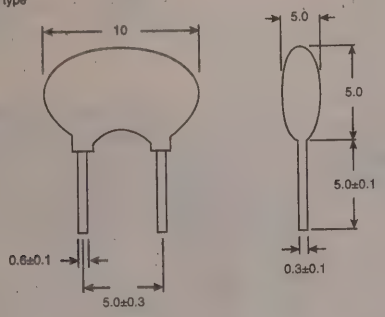
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-AB-1.8432-B2	AB-1.8432MHZ-B2	1.8432	1.20	1.00	.80	.70	.60
815-AB-2-B2	AB-2.000MHZ-B2	2.0000	1.20	1.00	.80	.70	.60
815-AB-3.579545-B2	AB-3.579545MHZ-B2	3.57955	.36	.30	.24	.22	.19
815-AB-3.6864-B2	AB-3.6864MHZ-B2	3.6864	.36	.30	.24	.22	.19
815-AB-4-B2	AB-4.000MHZ-B2	4.0000	.36	.30	.24	.22	.19
815-AB-4.9152-B2	AB-4.9152MHZ-B2	4.9152	.36	.30	.24	.22	.19
815-AB-5-B2	AB-5.000MHZ-B2	5.0000	.36	.30	.24	.22	.19
815-AB-6-B2	AB-6.000MHZ-B2	6.0000	.36	.30	.24	.22	.19
815-AB-7.3728-B2	AB-7.3728MHZ-B2	7.3728	.36	.30	.24	.22	.19
815-AB-8-B2	AB-8.000MHZ-B2	8.0000	.36	.30	.24	.22	.19
815-AB-8.192-B2	AB-8.192MHZ-B2	8.1920	.36	.30	.24	.22	.19
815-AB-9.8304-B2	AB-9.8304MHZ-B2	9.8304	.36	.30	.24	.22	.19
815-AB-10-B2	AB-10.000MHZ-B2	10.0000	.36	.30	.24	.22	.19
815-AB-11.0592-B2	AB-11.0592MHZ-B2	11.0592	.36	.30	.24	.22	.19
815-AB-12-B2	AB-12.000MHZ-B2	12.0000	.36	.30	.24	.22	.19
815-AB-12.288-B2	AB-12.288MHZ-B2	12.2880	.36	.30	.24	.22	.19
815-AB-14.31818B2	AB-14.31818MHZ-B2	14.31818	.36	.30	.24	.22	.19
815-AB-14.7456-B2	AB-14.7456MHZ-B2	14.7456	.36	.30	.24	.22	.19
815-AB-16-B2	AB-16.000MHZ-B2	16.0000	.36	.30	.24	.22	.19
815-AB-18.432-B2	AB-18.432MHZ-B2	18.4320	.36	.30	.24	.22	.19
815-AB-19.6608-B2	AB-19.6608MHZ-B2	19.6608	.36	.30	.24	.22	.19
815-AB-20-B2	AB-20.000MHZ-B2	20.0000	.36	.30	.24	.22	.19
815-AB-22.1184-B2	AB-22.1184MHZ-B2	22.1184	.36	.30	.24	.22	.19
815-AB-24-B2	AB-24.000MHZ-B2	24.0000	.36	.30	.24	.22	.19
815-AB-24.576-B2F	AB-24.576MHZ-B2F	24.5760	.36	.30	.24	.22	.19
815-AB-25-B2F	AB-25.000MHZ-B2F	25.0000	.36	.30	.24	.22	.19
815-AB-27-B2	AB-27.000MHZ-B2F	27.0000	.36	.30	.24	.22	.19
815-AB-32-B2	AB-32.000MHZ-B2	32.0000	.36	.30	.24	.22	.19
815-AB-32.768-B2	AB-32.768MHZ-B2	32.7680	.36	.30	.24	.22	.19
815-AB-48-B2	AB-48.000MHZ-B2	48.0000	.75	.63	.50	.44	.38
815-AB-50-B2	AB-50.000MHZ-B2	50.0000	.75	.63	.50	.44	.38

HWZT SERIES WASHABLE CERAMIC RESONATOR, LEADED

Features:

- Frequency Tolerance: ±0.5%
- Operating Temperature: -40°C to +85°C
- Low resonant impedance
- Excellent environmental resistance
- Reflow capable
- High stability washable type
- Industrial grade



DIMENSIONS: mm

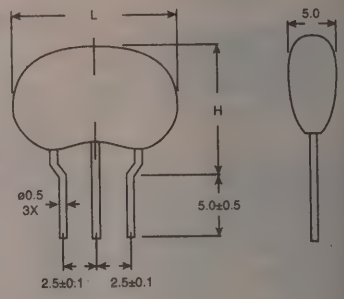
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each				
			1	25	100	500	1000
815-HWZT-2.00MD	HWZT-2.00MD	2.0000	.36	.30	.24	.21	.18
815-HWZT-3.58MD	HWZT-3.58MD	3.5800	.36	.30	.24	.21	.18
815-HWZT-4.00MD	HWZT-4.00MD	4.0000	.36	.30	.24	.21	.18
815-HWZT-6.00MD	HWZT-6.00MD	6.0000	.36	.30	.24	.21	.18
815-HWZT-8.00MD	HWZT-8.00MD	8.0000	.36	.30	.24	.21	.18
815-HWZT-10.00MD	HWZT-10.000MD	10.0000	.36	.30	.24	.21	.18
815-HWZT-12.00MD	HWZT-12.00MD	12.0000	.36	.30	.24	.21	.18
815-HWZT-16.00MD	HWZT-16.00MD	16.0000	.36	.30	.24	.21	.18
815-HWZT-20.00MD	HWZT-20.00MD	20.0000	.36	.30	.24	.21	.18

AWCR SERIES BUILT-IN CAP CERAMIC RESONATORS, LEADED

Features:

- Frequency Tolerance: ±0.5%
- Operating Temperature: -40°C to +85°C
- Low resonant impedance
- Excellent environmental resistance
- Reflow capable
- High stability washable type
- Industrial grade



Frequency Range (MHz)	L (max)	H (max)
1.8~6.00	10.00	8.0
6.01~13.00	10.00	8.0
13.01~50.00	10.00	10.00

DIMENSION

For quantities of 2000 and up, call fo

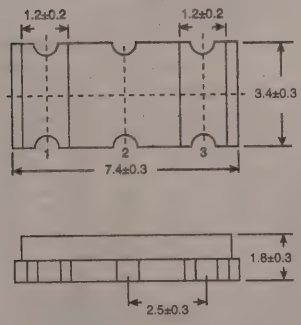
MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	25	100	500
815-AWCR-2.00MD	AWCR-2.00MD	2.0000	.38	.31	.25	.2
815-AWCR-3.58MD	AWCR-3.58MD	3.5800	.38	.31	.25	.2
815-AWCR-4.00MD	AWCR-4.00MD	4.0000	.38	.31	.25	.2
815-AWCR-6.00MD	AWCR-6.00MD	6.0000	.38	.31	.25	.2
815-AWCR-8.00MD	AWCR-8.00MD	8.0000	.38	.31	.25	.2
815-AWCR-10.00MD	AWCR-10.00MD	10.0000	.38	.31	.25	.2
815-AWCR-12.00MD	AWCR-12.00MD	12.0000	.38	.31	.25	.2
815-AWCR-16.00MD	AWCR-16.00MD	16.0000	.38	.31	.25	.2
815-AWCR-20.00MD	AWCR-20.00MD	20.0000	.38	.31	.25	.2

AWSZT SERIES WASHABLE CERAMIC RESONATOR, SMD

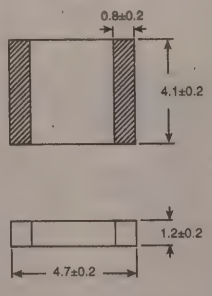
Features:

- Frequency tolerance: ± 0.5%
- Operating temperature: -40°C to +85°C
- Industrial grade

AWSZT-MG



AWSZT-MX/MW



DIMENSIONS: mm

For quantities of 2000 and up, call for quote.

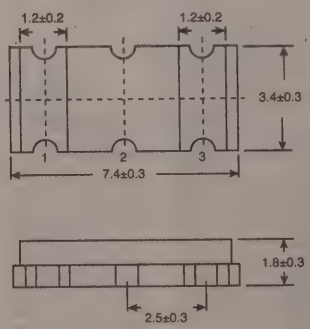
MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each				
			1	25	100	500	1000
815-AWSZT-3.58MGD-T	AWSZT-3.58MGD-T	3.5800	.42	.36	.29	.25	.22
815-AWSZT-4.00MGD-T	AWSZT-4.00MGD-T	4.0000	.42	.36	.29	.25	.22
815-AWSZT-6.00MGD-T	AWSZT-6.00MGD-T	6.0000	.42	.36	.29	.25	.22
815-AWSZT-8.00MWD-T	AWSZT-8.00MWD-T	8.0000	.42	.36	.29	.25	.22
815-AWSZT-12.00MWD-T	AWSZT-12.00MWD-T	12.0000	.42	.36	.29	.25	.22
815-AWSZT-16.00MXD-T	AWSZT-16.00MXD-T	16.0000	.42	.36	.29	.25	.22
815-AWSZT-20.00MXD-T	AWSZT-20.00MXD-T	20.0000	.42	.36	.29	.25	.22
815-AWSZT-24.00MXD-T	AWSZT-24.00MXD-T	24.0000	.42	.36	.29	.25	.22

AWSCR SERIES BUILT-IN CAP, CERAMIC RESONATORS, SMD

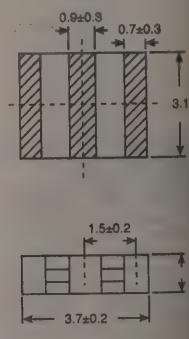
Features:

- Frequency tolerance: ± 0.5%
- Operating temperature: -40°C to +85°C
- Industrial grade

AWSCR-MG



AWSCR-MT



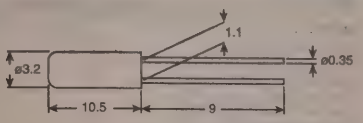
DIMENSIO

For quantities of 2000 and up, call

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	25	100	50
815-AWSCR-3.58MGD-T	AWSCR-3.58MGD-T	3.5800	.44	.36	.30	.2
815-AWSCR-4.00MGD-T	AWSCR-4.00MGD-T	4.0000	.44	.36	.30	.2
815-AWSCR-6.00MGD-T	AWSCR-6.00MGD-T	6.0000	.44	.36	.30	.2
815-AWSCR-8.00MGD-T	AWSCR-8.00MGD-T	8.0000	.44	.36	.30	.2
815-AWSCR-16.00MTD-T	AWSCR-16.00MTD-T	16.0000	.44	.36	.30	.2
815-AWSCR-20.00MTD-T	AWSCR-20.00MTD-T	20.0000	.44	.36	.30	.2
815-AWSCR-24.00MTD-T	AWSCR-24.00MTD-T	24.0000	.44	.36	.30	.2
815-AWSCR-25.00MTD-T	AWSCR-25.00MTD-T	25.0000	.44	.36	.30	.2
815-AWSCR-32.00MTD-T	AWSCR-32.00MTD-T	32.0000	.44	.36	.30	.2
815-AWSCR-40.00MTD-T	AWSCR-40.00MTD-T	40.0000	.44	.36	.30	.2
815-AWSCR-48.00MTD-T	AWSCR-48.00MTD-T	48.0000	.44	.36	.30	.2
815-AWSCR-50.00MTD-T	AWSCR-50.00MTD-T	50.0000	.44	.36	.30	.2

AB308 SERIES HIGH FREQUENCY, CYLINDRICAL TYPE, MICROPROCESSOR CRYSTALS

res:
ating Temperature: -10°C to +60°C
uency tolerance: ±30ppm max.
load capacitance
lity: ±50ppm (-10°C to +60°C)



DIMENSIONS: mm

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each 1	25	100	500	1000
-AB308-4.000	AB308-4.000MHZ	4.0000	.54	.45	.36	.32	.29
-AB308-4.9152	AB308-4.9152MHZ	4.9152	.54	.45	.36	.32	.29
-AB308-5.000	AB308-5.000MHZ	5.0000	.54	.45	.36	.32	.29
-AB308-6.000	AB308-6.000MHZ	6.0000	.54	.45	.36	.32	.29
-AB308-7.3728	AB308-7.3728MHZ	7.3728	.54	.45	.36	.32	.29
-AB308-8.000	AB308-8.000MHZ	8.0000	.54	.45	.36	.32	.29

For quantities of 2000 and up, call for quote.

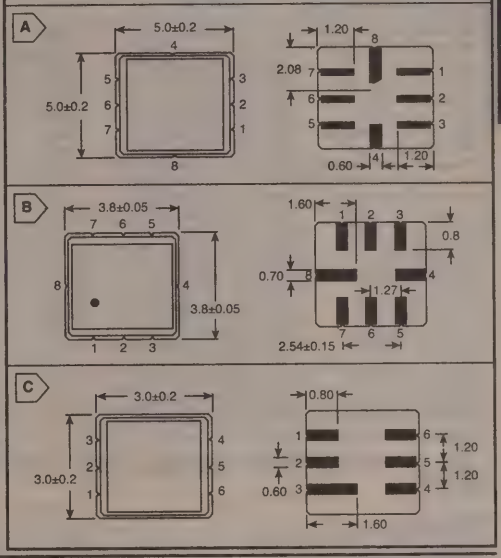
MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each 1	25	100	500	1000
815-AB308-10.000	AB308-10.000MHZ	10.0000	.54	.45	.36	.32	.29
815-AB308-12.000	AB308-12.000MHZ	12.0000	.54	.45	.36	.32	.29
815-AB308-12.288	AB308-12.288MHZ	12.2880	.54	.45	.36	.32	.29
815-AB308-12.352	AB308-12.352MHZ	12.3520	.54	.45	.36	.32	.29
815-AB308-14.31818	AB308-14.31818MHZ	14.31818	.54	.45	.36	.32	.29
815-AB308-14.7456	AB308-14.7456MHZ	14.7456	.54	.45	.36	.32	.29
815-AB308-16.000	AB308-16.000MHZ	16.0000	.54	.45	.36	.32	.29
815-AB308-16.257	AB308-16.257MHZ	16.2570	.54	.45	.36	.32	.29
815-AB308-16.667	AB308-16.667MHZ	16.6670	.54	.45	.36	.32	.29
815-AB308-20.000	AB308-20.000MHZ	20.0000	.54	.45	.36	.32	.29
815-AB308-26.540	AB308-26.540MHZ	26.5400	.66	.55	.44	.39	.35
815-AB308-28.000	AB308-28.000MHZ	28.0000	.66	.55	.44	.39	.35
815-AB308-28.6363	AB308-28.6363MHZ	28.6363	.66	.55	.44	.39	.35
815-AB308-29.4912	AB308-29.4912MHZ	29.4912	.66	.55	.44	.39	.35
815-AB308-53.125	AB308-53.125MHZ	53.1250	.66	.55	.44	.39	.35

SAW FILTERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Center Freq. (MHz)	Bandwidth (MHZ)	Insertion Loss (dB)	Price Each 1	10	50	100
-AFS303.825E	AFS303.825E	A	303.825	+/-0.3	3.0	3.75	3.30	2.50	2.19
-AFS315E	AFS315E	A	315	+/-0.3	3.0	3.75	3.30	2.50	2.19
-AFS374E	AFS374E	A	374	+/-7	9.5	3.75	3.30	2.50	2.19
-AFS390E	AFS390E	A	390	+/-0.4	1.7	3.75	3.30	2.50	2.19
-AFS418S3	AFS418S3	B	418	+/-2	2.5	3.75	3.30	2.50	2.19
-AFS434S3	AFS434S3	B	434	+/-2	2.5	3.75	3.30	2.50	2.19
-AFS868.35S3	AFS868.35S3	B	868	+/-1	3.5	3.75	3.30	2.50	2.19
-AFS869S3	AFS869S3	B	869	+/-4	4.5	3.75	3.30	2.50	2.19
-AFS915S3	AFS915S3	B	915	+/-3.5	2.9	3.75	3.30	2.50	2.19
-AFS916.5S3	AFS916.5S3	B	916.5	+/-0.6	4.5	3.75	3.30	2.50	2.19
-AFS930S3	AFS930S3	B	930	+/-2	2.8	3.75	3.30	2.50	2.19
-AFS1575.42S4	AFS1575.42S4	C	1575.42	+/-1.2	1.5	3.75	3.30	2.50	2.19
-AFS1842.5S4	AFS1842.5S4	C	1842.5	+/-37.5	2.5	3.75	3.30	2.50	2.19
-AFS1960S4	AFS1960S4	C	1960	+/-30	3.0	3.75	3.30	2.50	2.19

DIMENSIONS: mm



SAW RESONATORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Center Freq. (MHz)	Bandwidth (MHZ)	Insertion Loss (dB)	Price Each 1	10	50	100
-ASR303.825E	ASR303.825E	A	303.825	+/-75	1.3	3.75	3.30	2.50	2.19
-ASR315E	ASR315E	A	315	+/-75	1.3	3.75	3.30	2.50	2.19
-ASR390E	ASR390E	A	390	+/-75	1.3	3.75	3.30	2.50	2.19
-ASR423.22E	ASR423.22E	A	423.22	+/-75	1.3	3.75	3.30	2.50	2.19
-ASR433.42E	ASR433.42E	A	433.42	+/-75	1.3	3.75	3.30	2.50	2.19
-ASR433.92E	ASR433.92E	A	433.92	+/-75	1.3	3.75	3.30	2.50	2.19
-ASR868.35E	ASR868.35E	A	868.35	+/-250	1.5	3.75	3.30	2.50	2.19
-ASR915E	ASR915E	A	915	+/-250	1.5	3.75	3.30	2.50	2.19

32.768KHZ TUNING FORK

Series	Operating temperature	Frequency tolerance
-T Series	-10°C to +60°C	±20ppm max.
6TRB Series	-40°C to +85°C	±20ppm max.
S13 Series	-40°C to +85°C	±20ppm max.
S25 Series	-40°C to +85°C	±20ppm max.

Series Tuning Fork Crystals

quency range from 30kHz to 200khz
cellent heat resistance

DIMENSIONS: mm

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each 1	25	100	500	1000
-AB15T-32.768KHZ	AB15T-32.768KHZ	32.768000	.63	.53	.42	.37	.32
-AB26T-32.768KHZ	AB26T-32.768KHZ	32.768000	.25	.20	.16	.14	.12
-AB38T-32.768KHZ	AB38T-32.768KHZ	32.768000	.25	.20	.16	.14	.12

6TRB Series Tuning Fork, Leaded

quency from 30kHz to 165khz • Formed leads for low cost SMD type

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each 1	25	100	500	1000
-AB26TRB-32.76KHZ	AB26TRB-32.768KHZ	32.768000	.57	.48	.38	.33	.29

S13 Series Molded Plastic, SMD

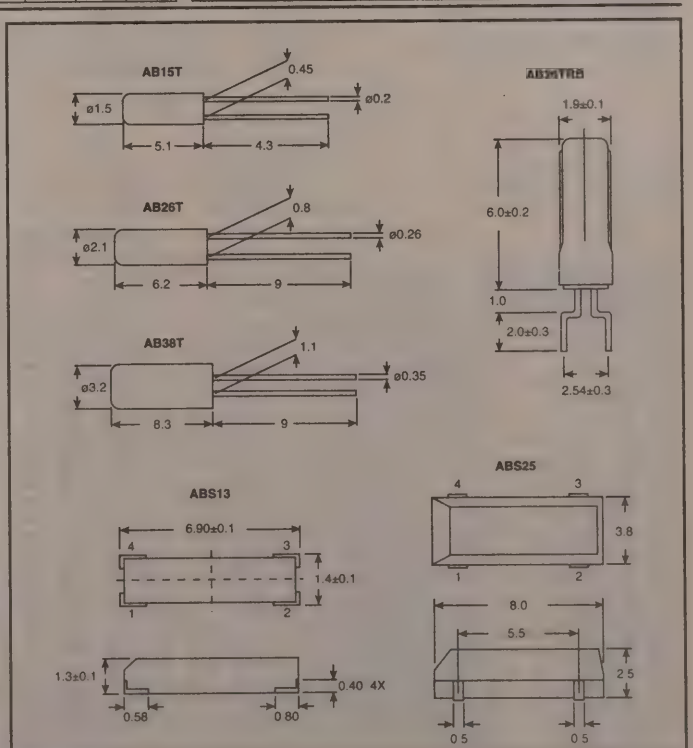
all SMD type, 1.3 mm height • Heat resistant packaging

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each 1	25	100	500	1000
-ABS13-32.768KHZT	ABS13-32.768KHZ-T	32.768000	1.41	1.18	.95	.83	.71

S25 Series Molded Plastic, SMD

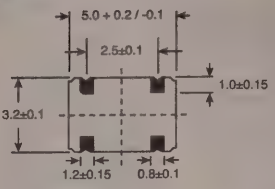
power consumption • Excellent heat resistance

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each 1	25	100	500	1000
-ABS25-32.768KHZT	ABS25-32.768KHZ-T	32.768000	.84	.70	.56	.50	.42

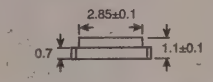


ASFL1 SERIES MINIATURE CRYSTAL CLOCK OSCILLATORS, SMD

Features:
- Frequency Range: 1.5 Mhz to 125.0 Mhz
- Operating Temperature: -40°C to +85°C
- Stability: ±30ppm (-20°C to +70°C)
- Supply Voltage (VDD): 3.3 Vdc ± 10%
- Low current consumption
- Tight stability option
- Glass sealed package



Pin Assignment	
1	Tristate
2	GND/Case
3	Output
4	VDD



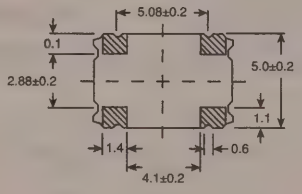
DIMENSIONS: mm

For quantities of 2000 and up, call for quote.

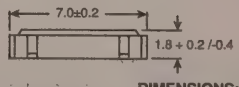
MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-ASFL1-1.8432-EKT	ASFL1-1.8432MHZ-EK-T	1.8432	3.75	3.13	2.50	2.19	1.88
815-ASFL1-3.6864-EKT	ASFL1-3.6864MHZ-EK-T	3.6864	3.75	3.13	2.50	2.19	1.88
815-ASFL1-4-EK-T	ASFL1-4.000MHZ-EK-T	4.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-7.3728-EKT	ASFL1-7.3728MHZ-EK-T	7.3728	3.75	3.13	2.50	2.19	1.88
815-ASFL1-8-EK-T	ASFL1-8.000MHZ-EK-T	8.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-10-EK-T	ASFL1-10.000MHZ-EK-T	10.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-11.0592EKT	ASFL1-11.0592MHZ-EK-T	11.0592	3.75	3.13	2.50	2.19	1.88
815-ASFL1-12-EK-T	ASFL1-12.000MHZ-EK-T	12.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-14.31818EKT	ASFL1-14.31818MHZ-EK-T	14.3182	3.75	3.13	2.50	2.19	1.88
815-ASFL1-14.7456EKT	ASFL1-14.7456MHZ-EK-T	14.7456	3.75	3.13	2.50	2.19	1.88
815-ASFL1-16-EK-T	ASFL1-16.000MHZ-EK-T	16.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-18.432EKT	ASFL1-18.432MHZ-EK-T	18.3420	3.75	3.13	2.50	2.19	1.88
815-ASFL1-20-EK-T	ASFL1-20.000MHZ-EK-T	20.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-24-EK-T	ASFL1-24.000MHZ-EK-T	24.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-24.576EKT	ASFL1-24.576MHZ-EK-T	24.5760	3.75	3.13	2.50	2.19	1.88
815-ASFL1-25-EK-T	ASFL1-25.000MHZ-EK-T	25.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-27-EK-T	ASFL1-27.000MHZ-EK-T	27.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-30-EK-T	ASFL1-30.000MHZ-EK-T	30.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-32-EK-T	ASFL1-32.000MHZ-EK-T	32.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-33-EK-T	ASFL1-33.000MHZ-EK-T	33.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-33.333EKT	ASFL1-33.333MHZ-EK-T	33.3330	3.75	3.13	2.50	2.19	1.88
815-ASFL1-40-EK-T	ASFL1-40.000MHZ-EK-T	40.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-48-EK-T	ASFL1-48.000MHZ-EK-T	48.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-50-EK-T	ASFL1-50.000MHZ-EK-T	50.0000	3.75	3.13	2.50	2.19	1.88

ASV SERIES CRYSTAL CLOCK OSCILLATOR, SMD

Features:
- Frequency Range: 1.000 Mhz to 150 Mhz
- Operating Temperature: -40°C to +85°C
- Stability: ±20ppm (-20°C to +70°C)
- Supply Voltage: (VDD) 3.3 Vdc ± 10%
- HCMOS and TTL compatible, 3.3Vdc operation



Pin Assignment	
1	Tristate enable/disable
2	GND/Case
3	Output
4	VDD



DIMENSIONS: mm

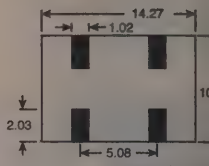
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ASV-1.8432-EJ-T	ASV-1.8432MHZ-EJ-T	1.84320	2.40	2.00	1.60	1.40	1.20
815-ASV-3.6864-EJ-T	ASV-3.6864MHZ-EJ-T	3.68640	2.40	2.00	1.60	1.40	1.20
815-ASV-4-EJ-T	ASV-4.000MHZ-EJ-T	4.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-7.3728-EJ-T	ASV-7.3728MHZ-EJ-T	7.37280	2.40	2.00	1.60	1.40	1.20
815-ASV-8-EJ-T	ASV-8.000MHZ-EJ-T	8.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-10-EJ-T	ASV-10.000MHZ-EJ-T	10.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-11.0592-EJT	ASV-11.0592MHZ-EJ-T	11.05920	2.40	2.00	1.60	1.40	1.20
815-ASV-12-EJ-T	ASV-12.000MHZ-EJ-T	12.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-14.31818EJT	ASV-14.31818MHZ-EJ-T	14.31818	2.40	2.00	1.60	1.40	1.20
815-ASV-14.7456-EJ-T	ASV-14.7456MHZ-EJ-T	14.74560	2.40	2.00	1.60	1.40	1.20
815-ASV-16-EJ-T	ASV-16.000MHZ-EJ-T	16.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-16.384-EJ-T	ASV-16.384MHZ-EJ-T	16.38400	2.40	2.00	1.60	1.40	1.20
815-ASV-18.432-EJ-T	ASV-18.432MHZ-EJ-T	18.43200	2.40	2.00	1.60	1.40	1.20
815-ASV-20-EJ-T	ASV-20.000MHZ-EJ-T	20.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-24-EJ-T	ASV-24.000MHZ-EJ-T	24.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-24.576-EJ-T	ASV-24.576MHZ-EJ-T	24.57600	2.40	2.00	1.60	1.40	1.20
815-ASV-25-EJ-T	ASV-25.000MHZ-EJ-T	25.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-27-EJ-T	ASV-27.000MHZ-EJ-T	27.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-29.4912-EJ-T	ASV-29.4912MHZ-EJ-T	29.49120	2.40	2.00	1.60	1.40	1.20
815-ASV-30-EJ-T	ASV-30.000MHZ-EJ-T	30.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-32-EJ-T	ASV-32.000MHZ-EJ-T	32.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-33-EJ-T	ASV-33.000MHZ-EJ-T	33.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-33.333-EJ-T	ASV-33.333MHZ-EJ-T	33.33300	2.40	2.00	1.60	1.40	1.20
815-ASV-40-EJ-T	ASV-40.000MHZ-EJ-T	40.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-48-EJ-T	ASV-48.000MHZ-EJ-T	48.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-50-EJ-T	ASV-50.000MHZ-EJ-T	50.00000	2.40	2.00	1.60	1.40	1.20

ASSML SERIES SPREAD SPECTRUM CRYSTAL CLOCK OSCILLATORS, LOW EMI, SMD

Features:
- Reduces EMI up to 20dB
- Frequency range: 4.000 MHz - 128.000 MHz
- Operating temperature: -40°C to +85°C
- Operating supply voltage (VDC): 3.3 VDC
- Standard TTl or HCMOS output
- Replaces standard Oscillators
- Stability: ±50ppm (-20°C to +70°C)

Pin Assignment	
1	NC
2	GND
3	Output
4	VDC



DIMENSIONS

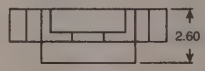
For quantities of 100 and up, call for

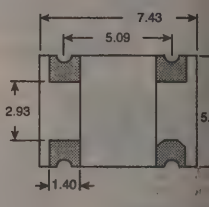
MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each			
			1	5	10	
815-ASSML-3.68-ECC1	ASSML-3.6864MHZ-EC-C1	3.6864	15.00	13.13	12.75	
815-ASSML-4-ECC1	ASSML-4.000MHZ-EC-C1	4.0000	15.00	13.13	12.75	
815-ASSML-10-ECC1	ASSML-10.000MHZ-EC-C1	10.0000	15.00	13.13	12.75	
815-ASSML-16-ECC1	ASSML-16.000MHZ-EC-C1	16.0000	15.00	13.13	12.75	
815-ASSML-20-ECC1	ASSML-20.000MHZ-EC-C1	20.0000	15.00	13.13	12.75	
815-ASSML-24-ECC1	ASSML-24.000MHZ-EC-C1	24.0000	15.00	13.13	12.75	
815-ASSML-24.576ECC1	ASSML-24.576MHZ-EC-C1	24.5760	15.00	13.13	12.75	
815-ASSML-25-ECC1	ASSML-25.000MHZ-EC-C1	25.0000	15.00	13.13	12.75	
815-ASSML-27-ECC1	ASSML-27.000MHZ-EC-C1	27.0000	15.00	13.13	12.75	
815-ASSML-30-ECC1	ASSML-30.000MHZ-EC-C1	30.0000	15.00	13.13	12.75	
815-ASSML-32-ECC1	ASSML-32.000MHZ-EC-C1	32.0000	15.00	13.13	12.75	
815-ASSML-40-ECC1	ASSML-40.000MHZ-EC-C1	40.0000	15.00	13.13	12.75	
815-ASSML-50-ECC1	ASSML-50.000MHZ-EC-C1	50.0000	15.00	13.13	12.75	

ASSV1 SERIES SPREAD SPECTRUM CRYSTAL CLOCK OSCILLATORS, LOW EMI, SMD

Features:
- Reduces emission to 20dB
- Frequency range: 8.000 MHz - 128.000 MHz
- Operating temperature: -40°C to +85°C
- Operating supply voltage (ASSV1): 3.3 ± 5%
- Replaces standard 5x7mm Oscillators
- Stability: ±50ppm (-20°C to +70°C)

Pin Assignment	
1	NC
2	GND
3	Output
4	VDD





DIMENSIONS

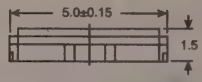
For quantities of 100 and up, call for

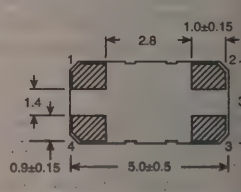
MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each			
			1	5	10	
815-ASSV1-10-ECC1	ASSV1-10.000MHZ-EC-C1	10.0000	19.50	17.50	17.00	
815-ASSV1-16-ECC1	ASSV1-16.000MHZ-EC-C1	16.0000	19.50	17.50	17.00	
815-ASSV1-20-ECC1	ASSV1-20.000MHZ-EC-C1	20.0000	19.50	17.50	17.00	
815-ASSV1-24-ECC1	ASSV1-24.000MHZ-EC-C1	24.0000	19.50	17.50	17.00	
815-ASSV1-24.576ECC1	ASSV1-24.576MHZ-EC-C1	24.5760	19.50	17.50	17.00	
815-ASSV1-25-ECC1	ASSV1-25.000MHZ-EC-C1	25.0000	19.50	17.50	17.00	
815-ASSV1-27-ECC1	ASSV1-27.000MHZ-EC-C1	27.0000	19.50	17.50	17.00	
815-ASSV1-30-ECC1	ASSV1-30.000MHZ-EC-C1	30.0000	19.50	17.50	17.00	
815-ASSV1-32-ECC1	ASSV1-32.000MHZ-EC-C1	32.0000	19.50	17.50	17.00	
815-ASSV1-40-ECC1	ASSV1-40.000MHZ-EC-C1	40.000	19.50	17.50	17.00	
815-ASSV1-50-ECC1	ASSV1.50.000MHZ-EC-C1	50.000	19.50	17.50	17.00	

ASVTX SERIES CRYSTAL OSCILLATOR VCTCX SMD

Features:
- Frequency range: 12.800 MHz - 19.2 MHz
- Operating temperature: -40°C to +85°C
- Supply voltage (Vcc): 3.0 Vdc ± 5%
- Low current consumption
- Tolerance: ±0.5ppm @ 25°C
- Stability: ±2.5ppm (-30°C to +75°C)

Pin Assignment	
1	Vc
2	GND
3	Output
4	VCC





DIMENSIONS

For quantities of 1000 and up, call for

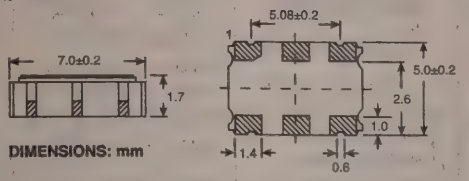
MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each			
			1	10	50	100
815-ASVTX-09-12.800	ASVTX-09-12.800MHZ	12.80	8.25	6.88	5.50	4.81
815-ASVTX-09-13.00	ASVTX-09-13.00MHZ	13.00	8.25	6.88	5.50	4.81
815-ASVTX-09-14.400	ASVTX-09-14.400MHZ	14.40	8.25	6.88	5.50	4.81
815-ASVTX-09-16	ASVTX-09-16.000MHZ	16.00	8.25	6.88	5.50	4.81
815-ASVTX-09-16.800	ASVTX-09-16.800MHZ	16.80	8.25	6.88	5.50	4.81
815-ASVTX-09-19.200	ASVTX-09-19.200MHZ	19.20	8.25	6.88	5.50	4.81
815-ASVTX-09-19.440	ASVTX-09-19.440MHZ	19.44	8.25	6.88	5.50	4.81
815-ASVTX-09-26	ASVTX-09-26.000MHZ	26.00	8.25	6.88	5.50	4.81

ABRACON CORPORATION

ASVV SERIES VCXO VOLTAGE CONTROLLED CRYSTAL OSCILLATOR, SMD

res:
- ency Range: 1.000 MHz to 125.00 MHz
- ating Temperature: -40°C to +85°C
- y Voltage (VDD): 3.3 Vdc ± 5%
- ility: ±150ppm
- lity: ±50ppm (0°C to +70°C)

Pin Assignment
Voltage Control Vc
Tristate Control
GND/Case
Output
NC
VDD



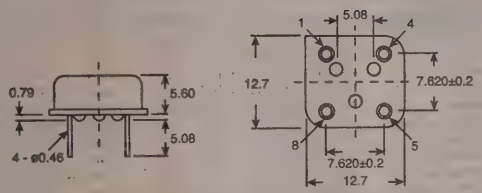
DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each 1	10	50	100	500
815-ASVV-1.544-N152	ASVV-1.544MHZ-N152	1.544	4.50	3.75	3.00	2.63	2.25
815-ASVV-4.096-N152	ASVV-4.096MHZ-N152	4.0960	4.50	3.75	3.00	2.63	2.25
815-ASVV-6.176-N152	ASVV-6.176MHZ-N152	6.1760	4.50	3.75	3.00	2.63	2.25
815-ASVV-16.384-N152	ASVV-16.384MHZ-N152	16.3840	4.50	3.75	3.00	2.63	2.25
815-ASVV-19.440-N152	ASVV-19.440MHZ-N152	19.4400	4.50	3.75	3.00	2.63	2.25
815-ASVV-20-N152	ASVV-20.000MHZ-N152	20.0000	4.50	3.75	3.00	2.63	2.25
815-ASVV-27-N152	ASVV-27.000MHZ-N152	27.0000	4.50	3.75	3.00	2.63	2.25
815-ASVV-32.768-N152	ASVV-32.768MHZ-N152	32.7680	4.50	3.75	3.00	2.63	2.25
815-ASVV-35.328-N152	ASVV-35.328MHZ-N152	35.3280	4.50	3.75	3.00	2.63	2.25
815-ASVV-38.880-N152	ASVV-38.880MHZ-N152	38.8800	4.50	3.75	3.00	2.63	2.25
815-ASVV-40-N152	ASVV-40.000MHZ-N102	40.0000	4.50	3.75	3.00	2.63	2.25
815-ASVV-44.736-N152	ASVV-44.736MHZ-N102	44.7360	4.50	3.75	3.00	2.63	2.25

ACH/ACHL SERIES CRYSTAL CLOCK OSCILLATOR, HALF SIZE LEADED

res:
- uency Range: 32.768 kHz to 200 MHz
- ating Temperature: -20°C to +70°C
- symmetry option
- rise and fall times
- OS and TTL compatible
- ity: ±30ppm (-20°C to +70°C)



in Assignment
NC or Tristate
Enable/Disable
GND/Case
Output
VDD

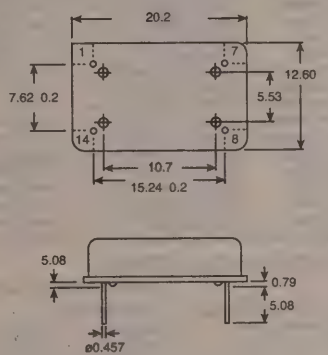
DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each 1	10	50	100	500
olt.							
-ACH-3.6864-EK	ACH-3.6864MHZ-EK	3.68640	1.95	1.63	1.30	1.14	.98
-ACH-4-EK	ACH-4.000MHZ-EK	4.00000	1.95	1.63	1.30	1.14	.98
-ACH-8-EK	ACH-8.000MHZ-EK	8.00000	1.95	1.63	1.30	1.14	.98
-ACH-10-EK	ACH-10.000MHZ-EK	10.00000	1.95	1.63	1.30	1.14	.98
-ACH-11.0592-EK	ACH-11.0592MHZ-EK	11.05920	1.95	1.63	1.30	1.14	.98
-ACH-12-EK	ACH-12.000MHZ-EK	12.00000	1.95	1.63	1.30	1.14	.98
-ACH-14.31818EK	ACH-14.31818MHZ-EK	14.31818	1.95	1.63	1.30	1.14	.98
-ACH-16-EK	ACH-16.000MHZ-EK	16.00000	1.95	1.63	1.30	1.14	.98
-ACH-18.432-EK	ACH-18.432MHZ-EK	18.43200	1.95	1.63	1.30	1.14	.98
-ACH-20-EK	ACH-20.000MHZ-EK	20.00000	1.95	1.63	1.30	1.14	.98
-ACH-24.576-EK	ACH-24.576MHZ-EK	24.57600	1.95	1.63	1.30	1.14	.98
-ACH-25-EK	ACH-25.000MHZ-EK	25.00000	1.95	1.63	1.30	1.14	.98
-ACH-27-EK	ACH-27.000MHZ-EK	27.00000	1.95	1.63	1.30	1.14	.98
-ACH-32-EK	ACH-32.000MHZ-EK	32.00000	1.95	1.63	1.30	1.14	.98
-ACH-32.768-EK	ACH-32.768MHZ-EK	32.76800	1.95	1.63	1.30	1.14	.98
-ACH-40-EK	ACH-40.000MHZ-EK	40.00000	1.95	1.63	1.30	1.14	.98
-ACH-48-EK	ACH-48.000MHZ-EK	48.00000	1.95	1.63	1.30	1.14	.98
-ACH-50-EK	ACH-50.000MHZ-EK	50.00000	1.95	1.63	1.30	1.14	.98
Volt.							
-ACHL-3.6864-EK	ACHL-3.6864MHZ-EK	3.68640	1.95	1.63	1.30	1.14	.98
-ACHL-4-EK	ACHL-4.000MHZ-EK	4.00000	1.95	1.63	1.30	1.14	.98
-ACHL-8-EK	ACHL-8.000MHZ-EK	8.00000	1.95	1.63	1.30	1.14	.98
-ACHL-10-EK	ACHL-10.000MHZ-EK	10.00000	1.95	1.63	1.30	1.14	.98
-ACHL-11.0592-EK	ACHL-11.0592MHZ-EK	11.05920	1.95	1.63	1.30	1.14	.98
-ACHL-12-EK	ACHL-12.000MHZ-EK	12.00000	1.95	1.63	1.30	1.14	.98
-ACHL-14.31818EK	ACHL-14.31818MHZ-EK	14.31818	1.95	1.63	1.30	1.14	.98
-ACHL-16-EK	ACHL-16.000MHZ-EK	16.00000	1.95	1.63	1.30	1.14	.98
-ACHL-18.432-EK	ACHL-18.432MHZ-EK	18.43200	1.95	1.63	1.30	1.14	.98
-ACHL-20-EK	ACHL-20.000MHZ-EK	20.00000	1.95	1.63	1.30	1.14	.98
-ACHL-24.576-EK	ACHL-24.576MHZ-EK	24.57600	1.95	1.63	1.30	1.14	.98
-ACHL-25-EK	ACHL-25.000MHZ-EK	25.00000	1.95	1.63	1.30	1.14	.98
-ACHL-27-EK	ACHL-27.000MHZ-EK	27.00000	1.95	1.63	1.30	1.14	.98
-ACHL-32-EK	ACHL-32.000MHZ-EK	32.00000	1.95	1.63	1.30	1.14	.98
-ACHL-32.768-EK	ACHL-32.768MHZ-EK	32.76800	1.95	1.63	1.30	1.14	.98
-ACHL-40-EK	ACHL-40.000MHZ-EK	40.00000	1.95	1.63	1.30	1.14	.98
-ACHL-48-EK	ACHL-48.000MHZ-EK	48.00000	1.95	1.63	1.30	1.14	.98
-ACHL-50-EK	ACHL-50.000MHZ-EK	50.00000	1.95	1.63	1.30	1.14	.98

ACO/ACOL SERIES CRYSTAL CLOCK OSCILLATOR, LEADED

Features:
- Frequency Range: 500 Hz to 200 MHz
- Operating Temperature: -20°C to +70°C
- Fast rise and fall times
- HCMOS and TTL compatible
- Stability: ±30ppm (-20°C to +70°C)



Pin Assignment	
1	NC or Tristate Enable/Disable
7	GND/Case
8	Output
14	VDD

DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each 1	10	50	100	500
5 Volt.							
815-ACO-3.6864-EK	ACO-3.6864MHZ-EK	3.68640	1.95	1.63	1.30	1.14	.98
815-ACO-4-EK	ACO-4.000MHZ-EK	4.00000	1.95	1.63	1.30	1.14	.98
815-ACO-8-EK	ACO-8.000MHZ-EK	8.00000	1.95	1.63	1.30	1.14	.98
815-ACO-10-EK	ACO-10.000MHZ-EK	10.00000	1.95	1.63	1.30	1.14	.98
815-ACO-11.0592-EK	ACO-11.0592MHZ-EK	11.05920	1.95	1.63	1.30	1.14	.98
815-ACO-12-EK	ACO-12.000MHZ-EK	12.00000	1.95	1.63	1.30	1.14	.98
815-ACO-14.31818EK	ACO-14.31818MHZ-EK	14.31818	1.95	1.63	1.30	1.14	.98
815-ACO-16-EK	ACO-16.000MHZ-EK	16.00000	1.95	1.63	1.30	1.14	.98
815-ACO-18.432-EK	ACO-18.432MHZ-EK	18.43200	1.95	1.63	1.30	1.14	.98
815-ACO-20-EK	ACO-20.000MHZ-EK	20.00000	1.95	1.63	1.30	1.14	.98
815-ACO-24.576-EK	ACO-24.576MHZ-EK	24.57600	1.95	1.63	1.30	1.14	.98
815-ACO-25-EK	ACO-25.000MHZ-EK	25.00000	1.95	1.63	1.30	1.14	.98
815-ACO-27-EK	ACO-27.000MHZ-EK	27.00000	1.95	1.63	1.30	1.14	.98
815-ACO-32-EK	ACO-32.000MHZ-EK	32.00000	1.95	1.63	1.30	1.14	.98
815-ACO-32.768-EK	ACO-32.768MHZ-EK	32.76800	1.95	1.63	1.30	1.14	.98
815-ACO-40-EK	ACO-40.000MHZ-EK	40.00000	1.95	1.63	1.30	1.14	.98
815-ACO-48-EK	ACO-48.000MHZ-EK	48.00000	1.95	1.63	1.30	1.14	.98
815-ACO-50-EK	ACO-50.000MHZ-EK	50.00000	1.95	1.63	1.30	1.14	.98
3.3 Volt.							
815-ACOL-3.6864-EK	ACOL-3.6864MHZ-EK	3.68640	1.95	1.63	1.30	1.14	.98
815-ACOL-4-EK	ACOL-4.000MHZ-EK	4.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-8-EK	ACOL-8.000MHZ-EK	8.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-10-EK	ACOL-10.000MHZ-EK	10.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-11.0592-EK	ACOL-11.0592MHZ-EK	11.05920	1.95	1.63	1.30	1.14	.98
815-ACOL-12-EK	ACOL-12.000MHZ-EK	12.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-14.31818EK	ACOL-14.31818MHZ-EK	14.31818	1.95	1.63	1.30	1.14	.98
815-ACOL-16-EK	ACOL-16.000MHZ-EK	16.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-18.432-EK	ACOL-18.432MHZ-EK	18.43200	1.95	1.63	1.30	1.14	.98
815-ACOL-20-EK	ACOL-20.000MHZ-EK	20.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-24.576-EK	ACOL-24.576MHZ-EK	24.57600	1.95	1.63	1.30	1.14	.98
815-ACOL-25-EK	ACOL-25.000MHZ-EK	25.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-27-EK	ACOL-27.000MHZ-EK	27.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-32-EK	ACOL-32.000MHZ-EK	32.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-32.768-EK	ACOL-32.768MHZ-EK	32.76800	1.95	1.63	1.30	1.14	.98
815-ACOL-40-EK	ACOL-40.000MHZ-EK	40.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-48-EK	ACOL-48.000MHZ-EK	48.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-50-EK	ACOL-50.000MHZ-EK	50.00000	1.95	1.63	1.30	1.14	.98

CERAMIC RESONATORS

AVX produces a broad range of high quality ceramic resonators. The high quality and extensive coverage of this product line allows optimum design of almost any oscillating circuit.

Ceramic resonators stand between quartz crystal oscillators and LC/RC oscillators in reguard to accuracy but are considerably smaller, require no adjustments, have improved start-up times, and are low in cost.

Features:

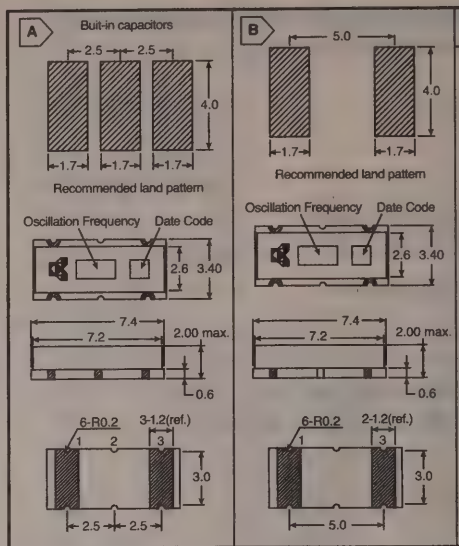
- High reliability chip resonator in a ceramic case which can be reflow soldered and washed.
- Ultra-miniature size is suitable for compact equipment high mounting density.
- Excellent frequency stability
- Low profile
- Reflow solderable
- Excellent solderability

Specifications:

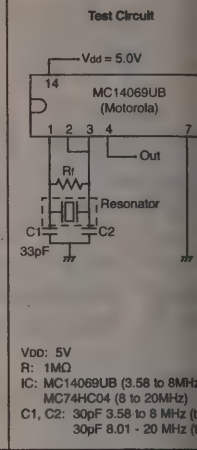
- Temperature Characteristics: -20°C to +80°C
- Resonant Impedance: 2.00-2.90MHz = 200 ohm max
  3.00-3.57MHz = 100 ohm max
  3.58-8.00MHz = 30 ohm max
  8.01-20.00MHz = ohm max
- Frequency Tolerance: ±0.5%

Applications:

- Car accessories
- Cam-corders
- Digital cameras
- PDAs
- PC peripherals



DIMENSIONS (mm)



VDD: 5V
R: 1MΩ
IC: MC14069UB (3.58 to 8MHz
MC74HC04 (8 to 20MHz)
C1, C2: 30pF 3.58 to 8 MHz (
30pF 8.01 - 20 MHz (

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Freq. (MHz)	Load Cap.	Price Each 1	10	100	500	1000
581-PBRC-2.00B	PBRC-2.00BR	A	2.00	33pF	.68	.63	.46	.41	.39
581-PBRC-2.45B	PBRC-2.45BR	A	2.45	33pF	1.04	.96	.70	.63	.60
581-PBRC-3.58B	PBRC-3.58BR	A	3.58	33pF	.39	.36	.26	.23	.22
581-PBRC-3.68B	PBRC-3.68BR	A	3.68	33pF	.39	.36	.26	.23	.22
581-PBRC-4.00B	PBRC-4.00BR	A	4.00	33pF	.39	.36	.26	.23	.22
581-PBRC-4.19B	PBRC-4.19BR	A	4.19	33pF	.70	.65	.47	.42	.40
581-PBRC-4.91B	PBRC-4.91BR	A	4.91	33pF	.44	.41	.30	.27	.26
581-PBRC-5.00H	PBRC-5.00BR	A	5.00	33pF	.73	.68	.50	.45	.42
581-PBRC-6.00B	PBRC-6.00BR	A	6.00	33pF	.73	.68	.50	.45	.42
581-PBRC-6.96BR	PBRC-6.96BR	A	6.96	33pF	1.00	.93	.68	.61	.58
581-PBRC-7.00BR	PBRC-7.00BR	A	7.00	33pF	1.00	.93	.68	.61	.58
581-PBRC-7.37B	PBRC-7.37BR	A	7.37	33pF	1.00	.93	.68	.61	.58
581-PBRC-8.00B	PBRC-8.00BR	A	8.00	33pF	1.04	.97	.70	.63	.60
581-PBRC-10.00BR07	PBRC-10.00BR07	A	10.00	10pF	1.37	1.27	.92	.83	.78
581-PBRC-11.0592BR07	PBRC-11.0592BR07	A	11.06	10pF	1.39	1.27	.92	.83	.79
581-PBRC-12.00BR07	PBRC-12.00BR07	A	12.00	10pF	1.39	1.27	.92	.83	.79
581-PBRC-14.74BR07	PBRC-14.74BR07	A	14.74	10pF	1.39	1.27	.92	.83	.79
581-PBRC-18.43BR07	PBRC-18.43BR07	A	18.43	10pF	1.39	1.27	.92	.83	.79
581-PBRC-20.00B	PBRC-20.00BR	A	20.00	10pF	1.37	1.27	.92	.83	.78
581-PBRC-2.00A	PBRC-2.00AR	B	2.00	none	1.04	.96	.70	.63	.60
581-PBRC-2.45G	PBRC-2.45AR	B	2.45	none	1.04	.96	.70	.63	.60
581-PBRC-3.58A	PBRC-3.58AR	B	3.58	none	.59	.55	.40	.36	.34
581-PBRC-3.68G	PBRC-3.68AR	B	3.68	none	.60	.55	.40	.36	.34

For quantities of 2000 and up, call for q

MOUSER STOCK NO.	AVX Part No.	Fig.	Freq. (MHz)	Load Cap.	Price Each 1	10	100	500
581-PBRC-4.00A	PBRC-4.00AR	B	4.00	none	.70	.65	.47	.42
581-PBRC-4.19G	PBRC-4.19AR	B	4.19	none	.71	.65	.47	.42
581-PBRC-4.91G	PBRC-4.91AR	B	4.91	none	.82	.75	.55	.49
581-PBRC-5.00A	PBRC-5.00AR	B	5.00	none	.73	.68	.50	.45
581-PBRC-6.00G	PBRC-6.00AR	B	6.00	none	.74	.68	.49	.44
581-PBRC-6.96AR	PBRC-6.96AR	B	6.96	none	1.01	.93	.68	.61
581-PBRC-7.00AR	PBRC-7.00AR	B	7.00	none	1.01	.93	.68	.61
581-PBRC-7.37A	PBRC-7.37AR	B	7.37	none	1.00	.93	.68	.61
581-PBRC-8.00G	PBRC-8.00AR	B	8.00	none	1.06	.97	.70	.63
581-PBRC-20.00G	PBRC-20.00AR	B	20.00	none	1.38	1.27	.92	.83

SMD CLOCK OSCILLATORS

Features:

- High reliable SMD ceramic package.
- Frequency Tolerance: ±50ppm
- Tristate Output Inhibit

K50-HC & K50-3C Series Applications:

- Routers
- Switches
- Servers

K30-3C Series Applications:

- PDAs
- Notebook PC
- Portable Electronics

K50H-3C Series Applications:

- Fiber Channel
- 10 Gigabit Ethernet
- Networking Devices

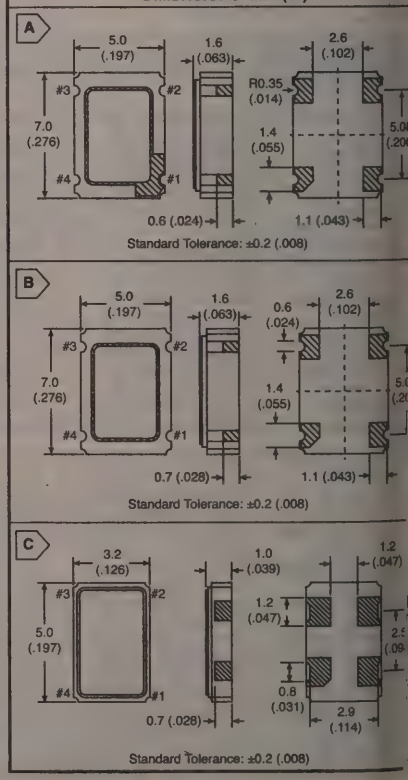
Pin #	Function
1	CONTROL
2	CASE GND
3	OUTPUT
4	+Vcc

Pin #1	Pin #3
"H" or Open	Oscillatio
"L"	High Impeda

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Frequency (MHz)	Voltage (V)	Price Each 1	10	100	500	Reel Qty.	Price Per Piece
K50-HC Series (5.0V)										
581-K50-HC0SE8M	K50-HC0SE8.0000MR	A	8.0000	5.0	3.75	3.50	3.00	2.50	1000	2.18
581-K50-HC0SE14.74M	K50-HC0SE14.7456MR	A	14.7456	5.0	3.75	3.50	3.00	2.50	1000	2.18
581-K50-HC0SE16M	K50-HC0SE16.0000MR	A	16.0000	5.0	3.75	3.50	3.00	2.50	1000	2.18
581-K50-HC0SE20M	K50-HC0SE20.0000MR	A	20.0000	5.0	3.75	3.50	3.00	2.50	1000	2.18
581-K50-HC0SE24M	K50-HC0SE24.0000MR	A	24.0000	5.0	3.75	3.50	3.00	2.50	1000	2.18
581-K50-HC0SE25M	K50-HC0SE25.0000MR	A	25.0000	5.0	3.75	3.50	3.00	2.50	1000	2.18
581-K50-HC0SE27M	K50-HC0SE27.0000MR	A	27.0000	5.0	3.75	3.50	3.00	2.50	1000	2.18
581-K50-HC0SE28.63M	K50-HC0SE28.6363MR	A	28.6363	5.0	3.75	3.50	3.00	2.50	1000	2.18
581-K50-HC0SE29.49M	K50-HC0SE29.4989MR	A	29.4989	5.0	3.75	3.50	3.00	2.50	1000	2.18
581-K50-HC0SE40M	K50-HC0SE40.0000MR	A	40.0000	5.0	3.75	3.50	3.00	2.50	1000	2.18
581-K50-HC0SE48M	K50-HC0SE48.0000MR	A	48.0000	5.0	3.75	3.50	3.00	2.50	1000	2.18
581-K50-HC0SE49.15M	K50-HC0SE49.1520MR	A	49.1520	5.0	3.75	3.50	3.00	2.50	1000	2.18
581-K50-HC0SE50M	K50-HC0SE50.0000MR	A	50.0000	5.0	3.75	3.50	3.00	2.50	1000	2.18
581-K50-HC0SE66.66M	K50-HC0SE66.6667MR	A	66.6667	5.0	3.75	3.50	3.00	2.50	1000	2.18
K50-3C Series (3.3V)										
581-K50-3C0SE14.31M	K50-3C0SE14.31818MR	A	14.31818	3.3	3.75	3.50	3.00	2.50	1000	2.18
581-K50-3C0SE16M	K50-3C0SE16.0000MR	A	16.0000	3.3	3.75	3.50	3.00	2.50	1000	2.18
581-K50-3C0SE24.57M	K50-3C0SE24.5760MR	A	24.5760	3.3	3.75	3.50	3.00	2.50	1000	2.18
581-K50-3C0SE25M	K50-3C0SE25.0000MR	A	25.0000	3.3	3.75	3.50	3.00	2.50	1000	2.18
581-K50-3C0SE29.49M	K50-3C0SE29.4989MR	A	29.4989	3.3	3.75	3.50	3.00	2.50	1000	2.18
581-K50-3C0SE40M	K50-3C0SE40.0000MR	A	40.0000	3.3	3.75	3.50	3.00	2.50	1000	2.18
581-K50-3C0SE50M	K50-3C0SE50.0000MR	A	50.0000	3.3	3.75	3.50	3.00	2.50	1000	2.18
581-K50-3C0SE66.66M	K50-3C0SE66.6667MR	A	66.6667	3.3	3.75	3.50	3.00	2.50	1000	2.18
K50H-3C Series (3.3V)										
581-K50H-3C0-SE106M	K50H-3C0-SE106.250MR	B	106.250	3.3	3.75	3.50	3.00	2.50	1000	2.18
581-K50H-3C0-SE125M	K50H-3C0-SE125.000MR	B	125.000	3.3	3.75	3.50	3.00	2.50	1000	2.18
K30-3C Series (3.3V)										
581-K30-3C0SE14.31M	K30-3C0SE14.31818MR	C	14.31818	3.3	2.60	2.34	1.93	1.56	1000	1.31
581-K30-3C0SE16M	K30-3C0SE16.0000MR	C	16.0000	3.3	2.60	2.34	1.93	1.56	1000	1.31
581-K30-3C0SE20M	K30-3C0SE20.0000MR	C	20.0000	3.3	2.60	2.34	1.93	1.56	1000	1.31
581-K30-3C0SE24.57M	K30-3C0SE24.5760MR	C	24.5760	3.3	2.60	2.34	1.93	1.56	1000	1.31
581-K30-3C0SE25M	K30-3C0SE25.0000MR	C	25.0000	3.3	2.60	2.34	1.93	1.56	1000	1.31
581-K30-3C0SE27M	K30-3C0SE27.0000MR	C	27.0000	3.3	2.60	2.34	1.93	1.56	1000	1.31
581-K30-3C0SE29.49M	K30-3C0SE29.4989MR	C	29.4989	3.3	2.60	2.34	1.93	1.56	1000	1.31
581-K30-3C0SE40M	K30-3C0SE40.0000MR	C	40.0000	3.3	2.60	2.34	1.93	1.56	1000	1.31
581-K30-3C0SE50M	K30-3C0SE50.0000MR	C	50.0000	3.3	2.60	2.34	1.93	1.56	1000	1.31
581-K30-3C0SE60M	K30-3C0SE60.0000MR	C	60.0000	3.3	2.60	2.34	1.93	1.56	1000	1.31
581-K30-3C0SE64M	K30-3C0SE64.0000MR	C	64.0000	3.3	2.60	2.34	1.93	1.56	1000	1.31
581-K30-3C0SE66.66M	K30-3C0SE66.6667MR	C	66.6667	3.3	2.60	2.34	1.93	1.56	1000	1.31

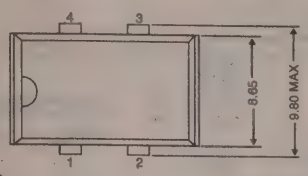
DIMENSIONS: mm (IN)

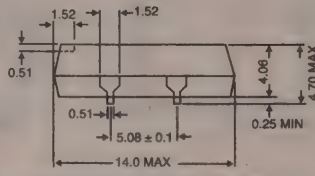


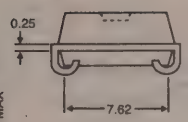
-309 SERIES PLASTIC CRYSTAL CLOCK OSCILLATORS

cations:
ng Temperature: -40°C to +85°C
Voltage: 5.0V ±0.5V
Current: (FLC) 23mA Max.; (HWC) 35mA Max
Resistance: ±20ppm Max.
First Year): ±5ppm/year Max.
r: ±100ppm -20°C to +70°C (±50ppm available)

s:
wer CMOS IC.
d with output enable function.
corporates a heat-resisting packaged cylinder-type
it features highly stable characteristics-high enough
it reflow soldering.







DIMENSIONS (mm)

Pin Assignment	
1	OE
2	GND
3	OUT
4	VDD

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000
MX309FLC-184	CMX309FLC1.8432MUT	1.84320	2.63	2.44	1.69	1.50	1.28
MX309FLC-368	CMX309FLC3.6864MUT	3.68640	2.63	2.44	1.69	1.50	1.28
MX309FLC-4	CMX309FLC4.000MUT	4.00000	2.63	2.44	1.69	1.50	1.28
MX309FLC-4.09	CMX309FLC4.096MUT	4.09600	2.63	2.44	1.69	1.50	1.28
MX309FLC-491	CMX309FLC4.9152MUT	4.91520	2.63	2.44	1.69	1.50	1.28
MX309FLC-8	CMX309FLC8.000MUT	8.00000	2.63	2.44	1.69	1.50	1.28
MX309FLC-10	CMX309FLC10.000MUT	10.00000	2.63	2.44	1.69	1.50	1.28
MX309FLC-110	CMX309FLC11.0592MUT	11.05920	2.63	2.44	1.69	1.50	1.28
MX309FLC-12	CMX309FLC12.000MUT	12.00000	2.63	2.44	1.69	1.50	1.28
MX309FLC-143	CMX309FLC14.31818MUT	14.31818	2.63	2.44	1.69	1.50	1.28
MX309FLC-147	CMX309FLC14.7456MUT	14.74560	2.63	2.44	1.69	1.50	1.28
MX309FLC-16	CMX309FLC16.000MUT	16.00000	2.63	2.44	1.69	1.50	1.28
MX309FLC18.432	CMX309FLC18.432MUT	18.43200	2.63	2.44	1.69	1.50	1.28

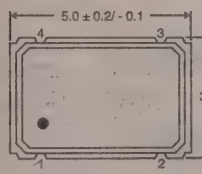
For quantities of 2,000 and up, call for quote.

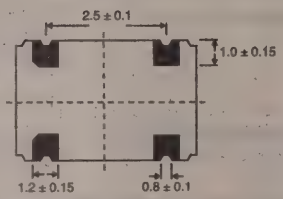
MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000
695-CMX309FLC-20	CMX309FLC20.000MUT	20.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-221	CMX309FLC22.1184MUT	22.11840	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-24	CMX309FLC24.000MUT	24.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC24.576	CMX309FLC24.576MUT	24.57600	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-25	CMX309FLC25.000MUT	25.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-27	CMX309FLC27.000MUT	27.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-283	CMX309FLC28.322MUT	28.32200	2.63	2.44	1.69	1.50	1.28
695-CMX309HWC-32	CMX309HWC32.000MUT	32.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309HWC-327	CMX309HWC32.768MUT	32.76800	2.63	2.44	1.69	1.50	1.28
695-CMX309HWC-333	CMX309HWC33.3333MUT	33.33300	2.63	2.44	1.69	1.50	1.28
695-CMX309HWC-40	CMX309HWC40.000MUT	40.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309HWC-48	CMX309HWC48.000MUT	48.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309HWC-50	CMX309HWC50.000MUT	50.00000	2.63	2.44	1.69	1.50	1.28

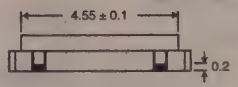
532F SERIES CRYSTAL CLOCK OSCILLATORS

cations:
: ±100ppm
ng Temperature: -40°C to +85°C
Voltage (Vdd): VDD 3.3V ± 10%
Current (Idd): 12mA max for F < 33Mhz
25mA max for F < 50Mhz
35mA max for F < 70Mhz
60mA max for F < 133.33Mhz

s:
e Ceramic MHz Oscillator
wer Consumption
ble Lead-Free product







DIMENSIONS (mm)

Pin Assignment	
1	Tri State
2	GND
3	OutPut
4	VDD

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000
SX532-1.8432	CSX532FBC1.8432MUT	1.84320	4.69	4.37	3.75	2.81	1.75
SX532-3.6864	CSX532FBC3.6864MUT	3.68640	4.69	4.37	3.75	2.81	1.75
SX532-4	CSX532FBC4.000MUT	4.00000	4.69	4.37	3.75	2.81	1.75
SX532-7.3728	CSX532FBC7.3728MUT	7.37280	4.69	4.37	3.75	2.81	1.75
SX532-8	CSX532FBC8.000MUT	8.00000	4.69	4.37	3.75	2.81	1.75
SX532-10	CSX532FBC10.000MUT	10.00000	4.69	4.37	3.75	2.81	1.75
SX532-11.0592	CSX532FBC11.0592MUT	11.05920	4.69	4.37	3.75	2.81	1.75
SX532-12	CSX532FBC12.000MUT	12.00000	4.69	4.37	3.75	2.81	1.75
SX532-12.288	CSX532FBC12.288MUT	12.28800	4.69	4.37	3.75	2.81	1.75
SX532-14.31818	CSX532FBC14.31818MUT	14.31818	4.69	4.37	3.75	2.81	1.75
SX532-14.7456	CSX532FBC14.7456MUT	14.74560	4.69	4.37	3.75	2.81	1.75
SX532-16	CSX532FBC16.000MUT	16.00000	4.69	4.37	3.75	2.81	1.75
SX532-16.384	CSX532FBC16.384MUT	16.38400	4.69	4.37	3.75	2.81	1.75
SX532-18.342	CSX532FBC18.432MUT	18.43200	4.69	4.37	3.75	2.81	1.75
SX532-20	CSX532FBC20.000MUT	20.00000	4.69	4.37	3.75	2.81	1.75
SX532-24	CSX532FBC24.000MUT	24.00000	4.69	4.37	3.75	2.81	1.75
SX532-24.576	CSX532FBC24.576MUT	24.57600	4.69	4.37	3.75	2.81	1.75
SX532-25	CSX532FBC25.000MUT	25.00000	4.69	4.37	3.75	2.81	1.75
SX532-27	CSX532FBC27.000MUT	27.00000	4.69	4.37	3.75	2.81	1.75

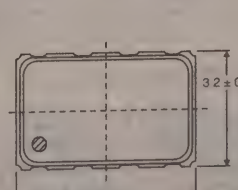
For quantities of 2,000 and up, call for quote.

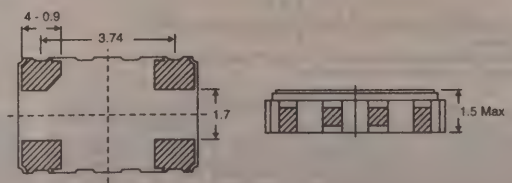
MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000
695-CSX532-29.4912	CSX532FBC29.4912MUT	29.49120	4.69	4.37	3.75	2.81	1.75
695-CSX532-30	CSX532FBC30.000MUT	30.00000	4.69	4.37	3.75	2.81	1.75
695-CSX532-32	CSX532FBC32.000MUT	32.00000	4.69	4.37	3.75	2.81	1.75
695-CSX532-32.768	CSX532FBC32.768MUT	32.76800	4.69	4.37	3.75	2.81	1.75
695-CSX532-33.333	CSX532FBC33.333MUT	33.33300	4.69	4.37	3.75	2.81	1.75
695-CSX532-35.328	CSX532FBC35.328MUT	35.32800	4.69	4.37	3.75	2.81	1.75
695-CSX532-40	CSX532FBC40.000MUT	40.00000	4.69	4.37	3.75	2.81	1.75
695-CSX532-48	CSX532FBC48.000MUT	48.00000	4.69	4.37	3.75	2.81	1.75
695-CSX532-50	CSX532FBC50.000MUT	50.00000	4.69	4.37	3.75	2.81	1.75
695-CSX532-60	CSX532FBC60.000MUT	60.00000	4.69	4.37	3.75	2.81	1.75
695-CSX532-64	CSX532FBC64.000MUT	64.00000	4.69	4.37	3.75	2.81	1.75
695-CSX532-66.666	CSX532FBC66.666MUT	66.66600	4.69	4.37	3.75	2.81	1.75
695-CSX532-75	CSX532FBC75.000MUT	75.00000	5.89	5.25	4.5	3.38	2.45
695-CSX532-80	CSX532FBC80.000MUT	80.00000	5.89	5.25	4.5	3.38	2.45
695-CSX532-100	CSX532FBC100.000MUT	100.00000	5.89	5.25	4.5	3.38	2.45
695-CSX532-106.25	CSX532FBC106.250MUT	106.25000	5.89	5.25	4.5	3.38	2.45
695-CSX532-125	CSX532FBC125.000MUT	125.00000	5.89	5.25	4.5	3.38	2.45
695-CSX532-133.33	CSX532FBC133.330MUT	133.33000	5.89	5.25	4.5	3.38	2.45

532T SERIES VCTCXO

cations:
Voltage: 2.8V ± 5%, 3.0V ± 5%
ncy / Temperature: ±2.5ppm / -30 to + 75°C
ncy / Voltage Coefficient: ±0.3ppm / Vdd ±5%
ncy / Load Coefficient: ±0.2ppm / (10kΩ//10pF)±10%
±1.0ppm / year
Level: 0.8Vp-p MIN. / (10kΩ//10pF)

s:
e Mount Type
mall size and light weight
ower Consumption
armonics





DIMENSIONS (mm)

Pin Assignment	
1	Vcont
2	GND
3	OutPut
4	VCC

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000
lt							
SX532T-13	CSX532T13.000M2-UT10	13.0000	8.75	6.48	5.78	5.25	4.65
SX532T-16.3676	CSX532T16.3676M2-UT10	16.3676	8.75	6.48	5.78	5.25	4.65
SX532T-16.8	CSX532T16.800M2-UT10	16.8000	8.75	6.48	5.78	5.25	4.65
SX532T-19.2	CSX532T19.200M2-UT10	19.2000	8.75	6.48	5.78	5.25	4.65
SX532T-24.5535	CSX532T24.5535M2-UT10	24.5535	8.75	6.48	5.78	5.25	4.65
SX532T-26	CSX532T26.000M2-UT10	26.0000	8.75	6.48	5.78	5.25	4.65

For quantities of 2,000 and up, call for quote.

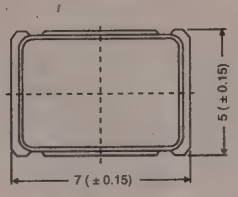
MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000
3 Volt							
695-CSX532T-13	CSX532T13.000M3-UT10	13.0000	8.75	6.48	5.78	5.25	4.65
695-CSX532T-16.3676	CSX532T16.3676M3-UT10	16.3676	8.75	6.48	5.78	5.25	4.65
695-CSX532T-16.8	CSX532T16.800M3-UT10	16.8000	8.75	6.48	5.78	5.25	4.65
695-CSX532T-19.2	CSX532T19.200M3-UT10	19.2000	8.75	6.48	5.78	5.25	4.65
695-CSX532T-24.5535	CSX532T24.5535M3-UT10	24.5535	8.75	6.48	5.78	5.25	4.65
695-CSX532T-26	CSX532T26.000M3-UT10	26.0000	8.75	6.48	5.78	5.25	4.65

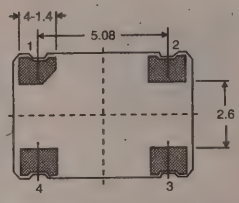
CITIZEN MHz Range SMD Crystals

CSX-750F SERIES CERAMIC CRYSTAL CLOCK OSCILLATORS

Specifications:
- Operating Temperature: -40°C to +80°C
- Supply Voltage: 3.3V ±0.3V
- Supply Current: (FBC) 15mA Max.; (FJC) 25mA Max.
- Shock Resistance: ±20ppm Max.
- Stability: ±100ppm -20°C to +70°C (±50ppm available)

Features:
- Low profile SMD package.
- Ceramic leadless chip carrier with seam-welded metal lid.
- Low power CMOS IC.
- Reflow soldering.





DIMENSIONS (mm)

Pin	Assignment
1	OE or Stand
2	Ground
3	Output
4	Vdd

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000
695-CSX750FBC-184	CSX750FBC1.8432MUT	1.84320	2.98	2.76	1.91	1.70	1.45
695-CSX750FBC-368	CSX750FBC3.6864MUT	3.68640	2.98	2.76	1.91	1.70	1.45
695-CSX750FBC-4	CSX750FBC4.000MUT	4.00000	2.98	2.76	1.91	1.70	1.45
695-CSX750FBC-8	CSX750FBC8.000MUT	8.00000	2.98	2.76	1.91	1.70	1.45
695-CSX750FBC-10	CSX750FBC10.000MUT	10.00000	2.98	2.76	1.91	1.70	1.45
695-CSX750FBC-12	CSX750FBC12.000MUT	12.00000	2.98	2.76	1.91	1.70	1.45
695-CSX750FBC-143	CSX750FBC14.31818MUT	14.31818	2.98	2.76	1.91	1.70	1.45
695-CSX750FBC-147	CSX750FBC14.7456MUT	14.74560	2.98	2.76	1.91	1.70	1.45
695-CSX750FBC-16	CSX750FBC16.000MUT	16.00000	2.98	2.76	1.91	1.70	1.45
695-CSX750FBC-18.4	CSX750FBC18.432MUT	18.43200	2.98	2.76	1.91	1.70	1.45
695-CSX750FBC-20	CSX750FBC20.000MUT	20.00000	2.98	2.76	1.91	1.70	1.45
695-CSX750FBC-24	CSX750FBC24.000MUT	24.00000	2.98	2.76	1.91	1.70	1.45
695-CSX750FBC-245	CSX750FBC24.576MUT	24.57600	2.98	2.76	1.91	1.70	1.45
695-CSX750FBC-25	CSX750FBC25.000MUT	25.00000	2.98	2.76	1.91	1.70	1.45

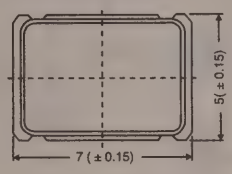
For quantities of 2,000 and up, call for q

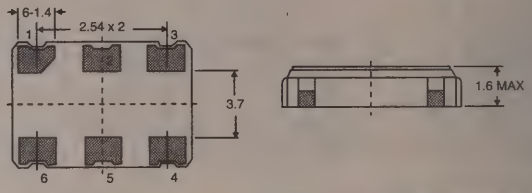
MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1
695-CSX750FBC-32	CSX750FBC32.000MUT	32.00000	2.98	2.76	1.91	1.70	1
695-CSX750FBC-333	CSX750FBC33.333MUT	33.33300	2.98	2.76	1.91	1.70	1
695-CSX750FJC-40	CSX750FJC40.000MUT	40.00000	2.98	2.76	1.91	1.70	1
695-CSX750FJC-48	CSX750FJC48.000MUT	48.00000	2.98	2.76	1.91	1.70	1
695-CSX750FJC-50	CSX750FJC50.000MUT	50.00000	2.98	2.76	1.91	1.70	1
695-CSX750FJC-60	CSX750FJC60.000MUT	60.00000	2.98	2.76	1.91	1.70	1
695-CSX750FJC-64	CSX750FJC64.000MUT	64.00000	2.98	2.76	1.91	1.70	1
695-CSX750FJC-666	CSX750FJC66.667MUT	66.66700	2.98	2.76	1.91	1.70	1
695-CSX750FJC80.0M	CSX750FJC80.000MUT	80.00000	2.98	2.76	1.91	1.70	1
695-CSX750FJC100M	CSX750FJC100.000MUT	100.00000	3.75	3.13	2.82	2.50	2
695-CSX750FJC106.25M	CSX750FJC106.250MUT	106.25000	3.75	3.13	2.82	2.50	2
695-CSX750FJC125M	CSX750FJC125.000MUT	125.00000	3.75	3.13	2.82	2.50	2
695-CSX750FBC133.33M	CSX750FJC133.330MUT	133.33000	4.50	3.75	3.38	3.00	2
695-CSX750FBC150	CSX750FJC150.000MUT	150.00000	4.50	3.75	3.38	3.00	2

CSX-750V SERIES CERAMIC VOLTAGE CONTROLLED CRYSTAL OSCILLATORS

Specifications:
- Operating Temperature: -40°C to +85°C
- Supply Voltage: (BBL) 3.3V±5%; (CBM) 5.0V±10%
- Supply Current: (BBL) 11mA Max.; (CBM) 30mA Max.
- Shock Resistance: ±10ppm Max.
- Stability: ±50ppm -10°C to +70°C

Features:
- Low Power Consumption.
- Wide Pull Range (+100ppm)
- Tristate Output





DIMENSIONS (mm)

Pin	Assignme
1	VC
2	NC
3	Groun
4	Outpu
5	OE
6	Vdd

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000
695-CSX750VBBL-409	CSX750VBBL4.096MUT	4.096	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-8	CSX750VBBL8.000MUT	8.000	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-819	CSX750VBBL8.192MUT	8.192	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-122	CSX750VBBL12.288MUT	12.288	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-163	CSX750VBBL16.384MUT	16.384	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-194	CSX750VBBL19.440MUT	19.440	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-20	CSX750VBBL20.000MUT	20.000	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-247	CSX750VBBL24.704MUT	24.704	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-25	CSX750VBBL25.000MUT	25.000	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-32	CSX750VBBL32.000MUT	32.000	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-327	CSX750VBBL32.768MUT	32.768	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-353	CSX750VBBL35.328MUT	35.328	5.25	4.88	3.38	3.00	2.55
695-CSX750VCBM-8	CSX750VCBM8.000MUT	8.000	5.25	4.88	3.38	3.00	2.55

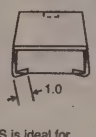
For quantities of 2,000 and up, call for q

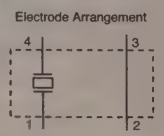
MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1
695-CSX750VCBM-819	CSX750VCBM8.192MUT	8.192	5.25	4.88	3.38	3.00	2
695-CSX750VCBM-122	CSX750VCBM12.288MUT	12.288	5.25	4.88	3.38	3.00	2
695-CSX750VCBM-123	CSX750VCBM12.352MUT	12.352	5.25	4.88	3.38	3.00	2
695-CSX750VCBM-163	CSX750VCBM16.384MUT	16.384	5.25	4.88	3.38	3.00	2
695-CSX750VCBM-194	CSX750VCBM19.440MUT	19.440	5.25	4.88	3.38	3.00	2
695-CSX750VCBM-20	CSX750VCBM20.000MUT	20.000	5.25	4.88	3.38	3.00	2
695-CSX750VCBM-245	CSX750VCBM24.576MUT	24.546	5.25	4.88	3.38	3.00	2
695-CSX750VCBM-247	CSX750VCBM24.704MUT	24.704	5.25	4.88	3.38	3.00	2
695-CSX750VCBM-25	CSX750VCBM25.000MUT	25.000	5.25	4.88	3.38	3.00	2
695-CSX750VCBM-27	CSX750VCBM27.000MUT	27.000	5.25	4.88	3.38	3.00	2
695-CSX750VCBM-32	CSX750VCBM32.000MUT	32.000	5.25	4.88	3.38	3.00	2
695-CSX750VCBM-327	CSX750VCBM32.768MUT	32.768	5.25	4.88	3.38	3.00	2
695-CSX750VCBM-353	CSX750VCBM35.328MUT	35.328	5.25	4.88	3.38	3.00	2

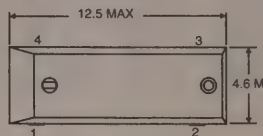
CM309S SERIES PLASTIC SMD CRYSTALS

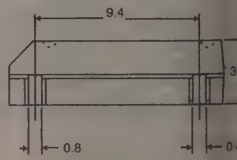
Specifications:
- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±30ppm
- Load Capacitance: 18.0pF TYP.
- Insulation Resistance: 500MΩ Min.

Features:
- Being of the miniature SMD type and featuring high efficiency in mounting, the CM309S is ideal for application to high-density circuit boards.
- As it incorporates a heat-resisting packaged cylinder-type crystal, this crystal makes best use of the superb characteristic AT-cut crystals have, and permits reflow soldering.









DIMENSIONS (mm)

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000	2000
695-CM309S-357	CM309S3.579545MABJTR	3.579545	1.26	1.03	.90	.81	.65	.58
695-CM309S-368	CM309S3.6864MABJTR	3.686400	1.26	1.03	.90	.81	.65	.58
695-CM309S-4	CM309S4.000MABJTR	4.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-491	CM309S4.9152MABJTR	4.915200	1.26	1.03	.90	.81	.65	.58
695-CM309S-5	CM309S5.000MABJTR	5.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-6	CM309S6.000MABJTR	6.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-614	CM309S6.144MABJTR	6.144000	1.26	1.03	.90	.81	.65	.58
695-CM309S-737	CM309S7.3728MABJTR	7.372800	1.26	1.03	.90	.81	.65	.58
695-CM309S-8	CM309S8.000MABJTR	8.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-819	CM309S8.1920MABJTR	8.192000	1.26	1.03	.90	.81	.65	.58
695-CM309S-10	CM309S10.000MABJTR	10.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-110	CM309S11.0592MABJTR	11.059200	1.26	1.03	.90	.81	.65	.58
695-CM309S-12	CM309S12.000MABJTR	12.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-122	CM309S12.288MABJTR	12.288000	1.26	1.03	.90	.81	.65	.58
695-CM309S-143	CM309S14.31818MABJTR	14.318180	1.26	1.03	.90	.81	.65	.58

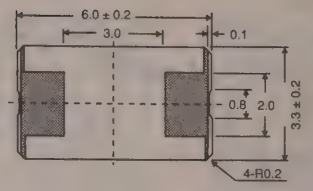
For quantities of 5,000 and up, call for

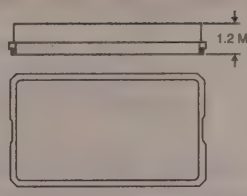
MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000
695-CM309S-147	CM309S14.7456MABJTR	14.745600	1.26	1.03	.90	.81	.65
695-CM309S-16	CM309S16.000MABJTR	16.000000	1.26	1.03	.90	.81	.65
695-CM309S-184	CM309S18.432MABJTR	18.432000	1.26	1.03	.90	.81	.65
695-CM309S-196	CM309S19.6608MABJTR	19.660800	1.26	1.03	.90	.81	.65
695-CM309S-20	CM309S20.000MABJTR	20.000000	1.26	1.03	.90	.81	.65
695-CM309S-221	CM309S22.1184MABJTR	22.118400	1.26	1.03	.90	.81	.65
695-CM309S-24	CM309S24.000MABJTR	24.000000	1.26	1.03	.90	.81	.65
695-CM309S-245	CM309S24.576MABJTR	24.576000	1.26	1.03	.90	.81	.65
695-CM309S-25	CM309S25.000MABJTR	25.000000	1.26	1.03	.90	.81	.65
695-CM309S-27	CM309S27.000MABJTR	27.000000	1.26	1.03	.90	.81	.65
695-CM309S-32	CM309S32.000MABJTR	32.000000	1.26	1.03	.90	.81	.65
695-CM309S-327	CM309S32.768MABJTR	32.768000	1.26	1.03	.90	.81	.65
695-CM309S-40	CM309S40.000MABJTR	40.000000	1.26	1.03	.90	.81	.65
695-CM309S-48	CM309S48.000MABJTR	48.000000	1.26	1.03	.90	.81	.65
695-CM309S-4915	CM309S49.152MABJTR	49.152000	1.26	1.03	.90	.81	.65

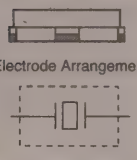
10 SERIES CERAMIC SMD CRYSTALS

ifications:
rating Temperature: -40°C to +85°C
quency Tolerance: ±30ppm
• Load Capacitance: 18.0pF TYP.
• Insulation Resistance: 500MΩ Min.

res:
lient environmental and heat-resisting characteristics have been gained,
to the use of the highly reliable ceramic package.
les automatic mounting, due to the emboss taping packaging.







DIMENSIONS (mm)

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000	2000
CS10-12	CS10-12.000MABJUT	12.000000	1.61	1.31	1.15	1.04	.83	.74
CS10-122	CS10-12.288MABJUT	12.288000	1.61	1.31	1.15	1.04	.83	.74
CS10-13	CS10-13.000MABJUT	13.00000	1.61	1.31	1.15	1.04	.83	.74
CS10-135	CS10-13.560MABJUT	13.560000	1.61	1.31	1.15	1.04	.83	.74
CS10-143	CS10-14.31818MABJUT	14.318180	1.61	1.31	1.15	1.04	.83	.74
CS10-153	CS10-15.360MABJUT	15.360000	1.61	1.31	1.15	1.04	.83	.74
CS10-16	CS10-16.000MABJUT	16.000000	1.61	1.31	1.15	1.04	.83	.74
CS10-184	CS10-18.432MABJUT	18.432000	1.61	1.31	1.15	1.04	.83	.74

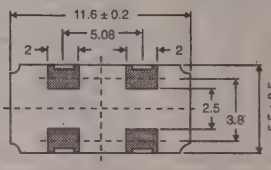
For quantities of 5,000 and up, call for quote.

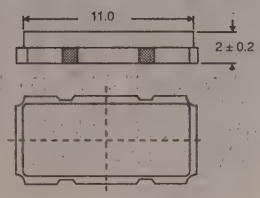
MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000	2000
695-CS10-20	CS10-20.000MABJUT	20.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-221	CS10-22.1184MABJUT	22.118400	1.61	1.31	1.15	1.04	.83	.74
695-CS10-24	CS10-24.00MABJUT	24.00000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-245	CS10-24.576MABJUT	24.576000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-25	CS10-25.000MABJUT	25.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-27	CS10-27.000MABJUT	27.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-32	CS10-32.000MABJUT	32.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-48	CS10-48.000MABJUT	48.000000	1.61	1.31	1.15	1.04	.83	.74

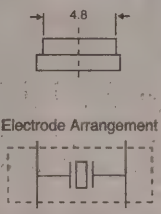
20 SERIES CERAMIC SMD CRYSTALS

ifications:
rating Temperature: -40°C to +85°C
quency Tolerance: ±30ppm
• Load Capacitance: 18.0pF TYP.
• Insulation Resistance: 500MΩ Min.

res:
lient environmental and heat-resisting characteristics have been
, due to the use of the highly reliable ceramic package.
les automatic mounting, due to the emboss taping packaging.







DIMENSIONS (mm)

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000	2000
CS20-357	CS203.579545MABJUT	3.579545	1.29	.97	.86	.77	.69	.67
CS20-368	CS203.6864MABJUT	3.686400	1.29	.97	.86	.77	.69	.67
CS20-4	CS204.000MABJUT	4.000000	1.29	.97	.86	.77	.69	.67
CS20-491	CS204.9152MABJUT	4.915200	1.29	.97	.86	.77	.69	.67
CS20-6	CS206.000MABJUT	6.000000	1.29	.97	.86	.77	.69	.67
CS20-737	CS207.3728MABJUT	7.372800	1.29	.97	.86	.77	.69	.67
CS20-768	CS207.680MABJUT	7.680000	1.29	.97	.86	.77	.69	.67
CS20-8	CS208.000MABJUT	8.000000	1.29	.97	.86	.77	.69	.67
CS20-983	CS209.8304MABJUT	9.830400	1.29	.97	.86	.77	.69	.67
CS20-10	CS2010.000MABJUT	10.000000	1.29	.97	.86	.77	.69	.67
CS20-110	CS2011.0592MABJUT	11.059200	1.29	.97	.86	.77	.69	.67

For quantities of 5,000 and up, call for quote.

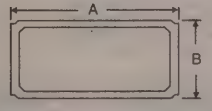
MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	50	100	1000	2000
695-CS20-12	CS2012.000MABJUT	12.000000	1.29	.97	.86	.77	.69	.67
695-CS20-122	CS2012.288MABJUT	12.288000	1.29	.97	.86	.77	.69	.67
695-CS20-143	CS2014.31818MABJUT	14.318180	1.29	.97	.86	.77	.69	.67
695-CS20-147	CS2014.7456MABJUT	14.745600	1.29	.97	.86	.77	.69	.67
695-CS20-15	CS2015.000MABJUT	15.000000	1.29	.97	.86	.77	.69	.67
695-CS20-153	CS2015.360MABJUT	15.360000	1.29	.97	.86	.77	.69	.67
695-CS20-16	CS2016.000MABJUT	16.000000	1.29	.97	.86	.77	.69	.67
695-CS20-20	CS2020.000MABJUT	20.000000	1.29	.97	.86	.77	.69	.67
695-CS20-24	CS2024.000MABJUT	24.000000	1.29	.97	.86	.77	.69	.67
695-CS20-245	CS2024.576MABJUT	24.576000	1.29	.97	.86	.77	.69	.67
695-CS20-25	CS2025.000MABJUT	25.000000	1.29	.97	.86	.77	.69	.67

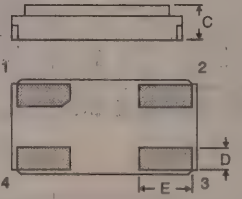
3225H / CS5032H MHZ RANGE CRYSTALS

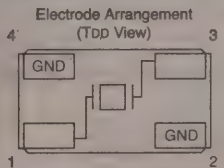
ifications:
rating Temperature: -40°C to +85°C
quency Tolerance: ±10ppm
d Capacitance: 10pF

Features:
• For high performance application requirements
• Small size Ceramic package
• Reflowable and lead-free product

Dimensions (mm)	A	B	C	D	E
CS5032H	5.00	3.20	1.00	.90	1.00
CS3225H	3.20	2.50	.80	.65	.90







3225H Series

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Freq. (MHz)	Price Each 1	10	50	100	1000	2000
CS3225H-16.3676	CS3225H16.3676MEEQUT	16.36760	3.44	2.81	2.50	2.21	1.75	1.54
CS3225H-16.8	CS3225H16.800MEEQUT	16.80000	3.44	2.81	2.50	2.21	1.75	1.54
CS3225H-19.2	CS3225H19.200MEEQUT	19.20000	3.44	2.81	2.50	2.21	1.75	1.54
CS3225H-24.5535	CS3225H24.5535MEEQUT	24.55350	3.44	2.81	2.50	2.21	1.75	1.54
CS3225H-26	CS3225H26.000MEEQUT	26.00000	3.44	2.81	2.50	2.21	1.75	1.54

5032 Series

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Freq. (MHz)	Price Each 1	10	50	100	1000	2000
CS5032H-10	CS5032H10.000MEEQUT	10	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-11.0592	CS5032H11.0592MEEQUT	11.0592	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-12	CS5032H12.000MEEQUT	12	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-12.288	CS5032H12.288MEEQUT	12.288	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-12.8	CS5032H12.800MEEQUT	12.8	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-13	CS5032H13.000MEEQUT	13	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-13.5	CS5032H13.500MEEQUT	13.5	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-13.56	CS5032H13.560MEEQUT	13.56	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-14.4	CS5032H14.400MEEQUT	14.4	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-14.7456	CS5032H14.7456MEEQUT	14.7456	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-15.36	CS5032H15.360MEEQUT	15.36	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-16	CS5032H16.000MEEQUT	16	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-16.384	CS5032H16.384MEEQUT	16.384	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-16.8	CS5032H16.800MEEQUT	16.8	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-18.432	CS5032H18.432MEEQUT	18.432	2.06	1.69	1.50	1.32	1.05	.99
CS5032H-19.2	CS5032H19.200MEEQUT	19.2	2.06	1.69	1.50	1.32	1.05	.99

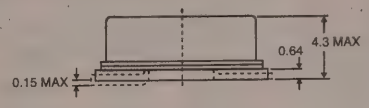
CS5032 Series (Cont.)

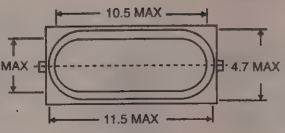
For quantities of 5,000 and up, call for quote.

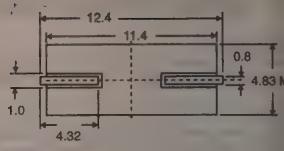
MOUSER STOCK NO.	Citizen Part Number	Freq. (MHz)	Price Each 1	10	50	100	1000	2000
695-CS5032H-19.44	CS5032H19.440MEEQUT	19.44	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-19.68	CS5032H19.680MEEQUT	19.68	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-19.8	CS5032H19.800MEEQUT	19.8	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-20	CS5032H20.000MEEQUT	20	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-22	CS5032H22.000MEEQUT	22	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-24	CS5032H24.000MEEQUT	24	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-24.576	CS5032H24.576MEEQUT	24.576	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-25	CS5032H25.000MEEQUT	25	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-26	CS5032H26.000MEEQUT	26	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-28.636	CS5032H28.63636MEEQUT	28.63636	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-29.4912	CS5032H29.4912MEEQUT	29.4912	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-30	CS5032H30.000MEEQUT	30	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-40	CS5032H40.000MEEQUT	40	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-44	CS5032H44.000MEEQUT	44	2.06	1.69	1.50	1.32	1.05	.99
695-CS5032H-48	CS5032H48.000MEEQUT	48	2.06	1.69	1.50	1.32	1.05	.99

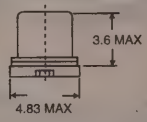
HCM49 SERIES MHZ METAL CAN SMD CRYSTALS

Specifications:
- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±30ppm
- Load Capacitance: 18.0pF TYP
- Aging (First year): ±5ppm Max.
- Shock Resistance: ±10ppm Max.
- Insulation Resistance: 500MΩ Min.









Features:
- High-performance miniature crystal unit manufactured with Citizen's ultrahigh-precision processing technology.
- Excellent vibration resistance, shock resistance and environmental characteristics.
- Can be mounted automatically because of the emboss taping used.

Applications:
- Can be used for a wide range of applications including use in AV equipment, OA equipment, communication equipment and measuring instruments.

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	2000
695-HCM49-357	HCM493.579545MABJTR	3.579545	.83	.72	.66	.61	.44	.40
695-HCM49-368	HCM493.6864MABJTR	3.686400	.83	.72	.66	.61	.44	.40
695-HCM49-4	HCM494.000MABJTR	4.000000	.83	.72	.66	.61	.44	.40
695-HCM49-409	HCM494.096MABJTR	4.096000	.83	.72	.66	.61	.44	.40
695-HCM49-419	HCM494.194304MABJTR	4.194304	.83	.72	.66	.61	.44	.40
695-HCM49-491	HCM494.9152MABJTR	4.915200	.83	.72	.66	.61	.44	.40
695-HCM49-5	HCM495.000MABJTR	5.000000	.83	.72	.66	.61	.44	.40
695-HCM49-737	HCM497.3728MABJTR	7.372800	.83	.72	.66	.61	.44	.40
695-HCM49-8	HCM498.000MABJTR	8.000000	.83	.72	.66	.61	.44	.40
695-HCM49-819	HCM498.192MABJTR	8.192000	.83	.72	.66	.61	.44	.40
695-HCM49-9	HCM499.000MABJTR	9.000000	.83	.72	.66	.61	.44	.40
695-HCM49-983	HCM499.8304MABJTR	9.830400	.83	.72	.66	.61	.44	.40
695-HCM49-10	HCM4910.000MABJTR	10.000000	.83	.72	.66	.61	.44	.40
695-HCM49-102	HCM4910.240MABJTR	10.240000	.83	.72	.66	.61	.44	.40
695-HCM49-110	HCM4911.0592MABJTR	11.059200	.83	.72	.66	.61	.44	.40
695-HCM49-12	HCM4912.000MABJTR	12.000000	.83	.72	.66	.61	.44	.40
695-HCM49-122	HCM4912.288MABJTR	12.288000	.83	.72	.66	.61	.44	.40
695-HCM49-143	HCM4914.31818MABJTR	14.318180	.83	.72	.66	.61	.44	.40
695-HCM49-147	HCM4914.7456MABJTR	14.745600	.83	.72	.66	.61	.44	.40
695-HCM49-15	HCM4915.000MABJTR	15.000000	.83	.72	.66	.61	.44	.40

DIMENSIONS (mm)

For quantities of 5,000 and up, call for

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	
695-HCM49-16	HCM4916.000MABJTR	16.000000	.83	.72	.66	.61	.44	
695-HCM49-162	HCM4916.2570MABJTR	16.257000	.83	.72	.66	.61	.44	
695-HCM49-163	HCM4916.384MABJTR	16.384000	.83	.72	.66	.61	.44	
695-HCM49-166	HCM4916.684MABJTR	16.684000	.83	.72	.66	.61	.44	
695-HCM49-177	HCM4917.734475MABJTR	17.734475	.83	.72	.66	.61	.44	
695-HCM49-18	HCM4918.000MABJTR	18.000000	.83	.72	.66	.61	.44	
695-HCM49-184	HCM4918.432MABJTR	18.432000	.83	.72	.66	.61	.44	
695-HCM49-196	HCM4919.6608MABJTR	19.660800	.83	.72	.66	.61	.44	
695-HCM49-20	HCM4920.000MABJTR	20.000000	.83	.72	.66	.61	.44	
695-HCM49-221	HCM4922.1184MABJTR	22.118400	.98	.85	.78	.72	.52	
695-HCM49-24	HCM4924.000MABJTR	24.000000	.98	.85	.78	.72	.52	
695-HCM49-245	HCM4924.576MABJTR	24.576000	.98	.85	.78	.72	.52	
695-HCM49-25	HCM4925.000MABJTR	25.000000	.98	.85	.78	.72	.52	
695-HCM49-27	HCM4927.000MABJTR	27.000000	.98	.85	.78	.72	.52	
695-HCM49-282	HCM4928.224MABJTR	28.224000	.98	.85	.78	.72	.52	
695-HCM49-32	HCM4932.000MABJTR	32.000000	.98	.85	.78	.72	.52	
695-HCM49-40	HCM4940.000MABJTR	40.000000	.98	.85	.78	.72	.52	
695-HCM49-48	HCM4948.000MABJTR	48.000000	.98	.85	.78	.72	.52	
695-HCM49-49	HCM4949.152MABJTR	49.152000	.98	.85	.78	.72	.52	
695-HCM49-50	HCM4950.000MABJTR	50.000000	.98	.85	.78	.72	.52	

CM130 SERIES 32.768 KHZ PLASTIC SMD CRYSTALS

Specifications:
- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±20ppm
- Load Capacitance: 12.5pF TYP.
- Aging (First year): ±3ppm Max.
- Shock Resistance: ±5ppm Max.

Features:
- As it incorporates a heat-resisting packaged cylinder-type crystal, it features highly stable characteristics-high enough to permit reflow soldering.
- Its low power consumption makes it ideal for application to portable equipment as well as high density, cellular phone designs.
- Can be mounted automatically because of the emboss taping used.

Applications:
- As a clock source for communication equipment, AV equipments, OA equipment, camera, cellular phones and measuring instruments.

For quantities of 6,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Freq. (KHz)	L.C. (pF)	Price Each					
					1	10	50	100	1000	3000
695-CM130-327K	CM13032.768KDZFTR	A	32.768	6.0	1.47	1.20	1.05	.95	.76	.67

CM200S SERIES 32.768 KHZ PLASTIC SMD CRYSTALS

Specifications:
- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±20ppm
- Aging (First year): ±3ppm Max.
- Shock Resistance: ±5ppm Max.
- Insulation Resistance: 500MΩ Min.
- Drive Level: 1μW Max.

Features:
- As it incorporates a heat-resisting packaged cylinder-type crystal, it features highly stable characteristics-high enough to permit reflow soldering.
- Low power consumption makes it ideal for application to portable equipment.

Applications:
- As a clock source for communication equipment, AV equipments, OA equipment, camera, cellular phones and measuring instruments.

For quantities of 6,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Freq. (KHz)	L.C. (pF)	Price Each					
					1	10	50	100	1000	3000
695-CM200S-327KF	CM200S32.768KDZFTR	B	32.768	12.5	.98	.80	.70	.63	.50	.45
695-CM200S-327KB	CM200S32.768KDZBTR	B	32.768	6.0	.98	.80	.70	.63	.50	.45

CMR200T SERIES 32.768 KHZ REFLOWABLE CRYSTALS

Specifications:
- Operating Temperature: -40°C to +85°C
- Nominal Frequency: 32.768 KHz
- Frequency Tolerance: ±20ppm
- Load Capacitance: 12.5pF TYP.
- Drive Level: 1 μW Max.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Freq. (KHz)	Price Each					
				1	10	50	100	1000	2000
695-CMR200TB-327K	CMR200TB32.768KDZFTR	C	32.768	.71	.62	.57	.52	.38	.34
695-CMR200TB-327KDZ	CMR200TB32.768KDZBTR	C	32.768	.71	.62	.57	.52	.38	.34

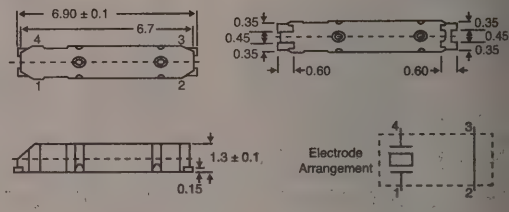
CM250S SERIES KHZ RANGE CRYSTALS

- Operating Temperature: -40°C to +85°C
- Nominal Frequency: 30KHz ~ 100KHZ
- Frequency Tolerance: ±30ppm
- Load Capacitance: 12.5pF TYP.
- Drive Level: 1 μW Max.

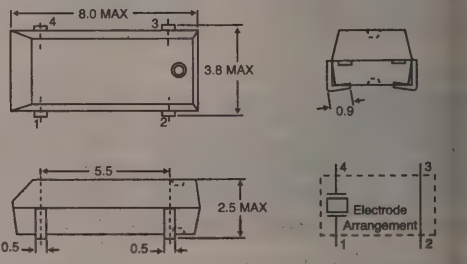
MOUSER STOCK NO.	Citizen Part Number	Fig.	Freq. (KHz)	L.C. (pF)	Price Each					
					1	10	50	100	1000	3000
695-CM250S-32KAZ	CM250S32.000KAZFTR	B	32	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-36KAZ	CM250S36.000KAZFTR	B	36	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-38.4KAZ	CM250S38.400KAZFTR	B	38.4	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-40KAZ	CM250S40.000KAZFTR	B	40	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-60KAZ	CM250S60.000KAZFTR	B	60	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-76.8KAZ	CM250S76.800KAZFTR	B	76.8	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-960KZ	CM250S96.000KAZFTR	B	96	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-100KZ	CM250S100.000KAZFTR	B	100	12.5	1.65	1.35	1.20	1.05	.97	.86

DIMENSIONS (mm)

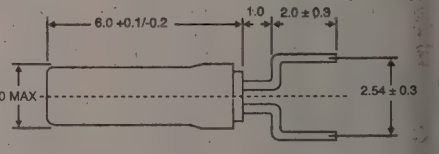
A



B



C

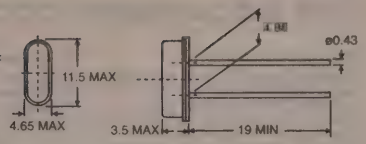


MOUSER ELECTRONICS a tti company

49/U-S SERIES MHZ RANGE METAL CAN CRYSTALS

res:
HC-49/U-S is a high-performance miniature crystal unit manufactured with
n's ultrahigh-precision processing technology.
llent vibration resistance, shock resistance and environmentalcharacteristics and shock resistance.
be automatically mounted, as units provided with
g are available by request.

Specifications:
- Operating Temperature: -20°C to +70°C
- Frequency Tolerance: ±30ppm
- Load Capacitance: 18.0pF TYP.



DIMENSIONS (mm)

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	100	1000	2000
HC49US-357	HC49US3.579545MABJB	3.579545	.71	.62	.52	.38	.34
HC49US-368	HC49US3.6864MABJB	3.686400	.71	.62	.52	.38	.34
HC49US-4	HC49US4.000MABJB	4.000000	.71	.62	.52	.38	.34
HC49US-419	HC49US4.194304MABJB	1.194304	.71	.62	.52	.38	.34
HC49US-491	HC49US4.9152MABJB	4.915200	.71	.62	.52	.38	.34
HC49US-5	HC49US5.000MABJB	5.000000	.71	.62	.52	.38	.34
HC49US-6	HC49US6.000MABJB	6.000000	.71	.62	.52	.38	.34
HC49US-614	HC49US6.144MABJB	6.144000	.71	.62	.52	.38	.34
HC49US-617	HC49US6.176MABJB	6.176000	.71	.62	.52	.38	.34
HC49US-737	HC49US7.3728MABJB	7.372800	.71	.62	.52	.38	.34
HC49US-8	HC49US8.000MABJB	8.000000	.71	.62	.52	.38	.34
HC49US-819	HC49US8.192MABJB	8.192000	.71	.62	.52	.38	.34
HC49US-983	HC49US9.8304MABJB	9.830400	.71	.62	.52	.38	.34
HC49US-10	HC49US10.000MABJB	10.000000	.71	.62	.52	.38	.34
HC49US-110	HC49US11.0592MABJB	11.059200	.71	.62	.52	.38	.34
HC49US-12	HC49US12.000MABJB	12.000000	.71	.62	.52	.38	.34
HC49US-122	HC49US12.288MABJB	12.288000	.71	.62	.52	.38	.34
HC49US-135	HC49US13.500MABJB	13.500000	.71	.62	.52	.38	.34
HC49US-143	HC49US14.31818MABJB	14.318180	.71	.62	.52	.38	.34

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each 1	10	100	1000	2000
695-HC49US-147	HC49US14.7456MBJB	14.745600	.71	.62	.52	.38	.34
695-HC49US-153	HC49US15.360MABJB	15.360000	.71	.62	.52	.38	.34
695-HC49US-16	HC49US16.000MABJB	16.000000	.71	.62	.52	.38	.34
695-HC49US-18	HC49US18.000MABJB	18.000000	.71	.62	.52	.38	.34
695-HC49US-184	HC49US18.432MABJB	18.432000	.71	.62	.52	.38	.34
695-HC49US-196	HC49US19.6608MABJB	19.660800	.71	.62	.52	.38	.34
695-HC49US-20	HC49US20.000MABJB	20.000000	.71	.62	.52	.38	.34
695-HC49US-214	HC49US21.47720MABJB	21.477200	.83	.72	.61	.44	.40
695-HC49US-221	HC49US22.1184MABJB	22.118400	.83	.72	.61	.44	.40
695-HC49US-24	HC49US24.000MABJB	24.000000	.83	.72	.61	.44	.40
695-HC49US-245	HC49US24.576MABJB	24.576000	.83	.72	.61	.44	.40
695-HC49US-25	HC49US25.000MABJB	25.000000	.83	.72	.61	.44	.40
695-HC49US-27	HC49US27.000MABJB	27.000000	.83	.72	.61	.44	.40
695-HC49US-282	HC49US28.224MABJB	28.224000	.83	.72	.61	.44	.40
695-HC49US-338	HC49US33.8688MABJB	33.868800	.83	.72	.61	.44	.40
695-HC49US-40	HC49US40.000MABJB	40.000000	.83	.72	.61	.44	.40
695-HC49US-48	HC49US48.000MABJB	48.000000	.83	.72	.61	.44	.40
695-HC49US-491	H49US49.152MABJB	49.152000	.83	.72	.61	.44	.40
695-HC49US-50MAB	HC49US50.000MABJB	50.000000	.83	.72	.61	.44	.40

A-309 / CSA-310 SERIES MHZ RANGE CYLINDER CRYSTALS

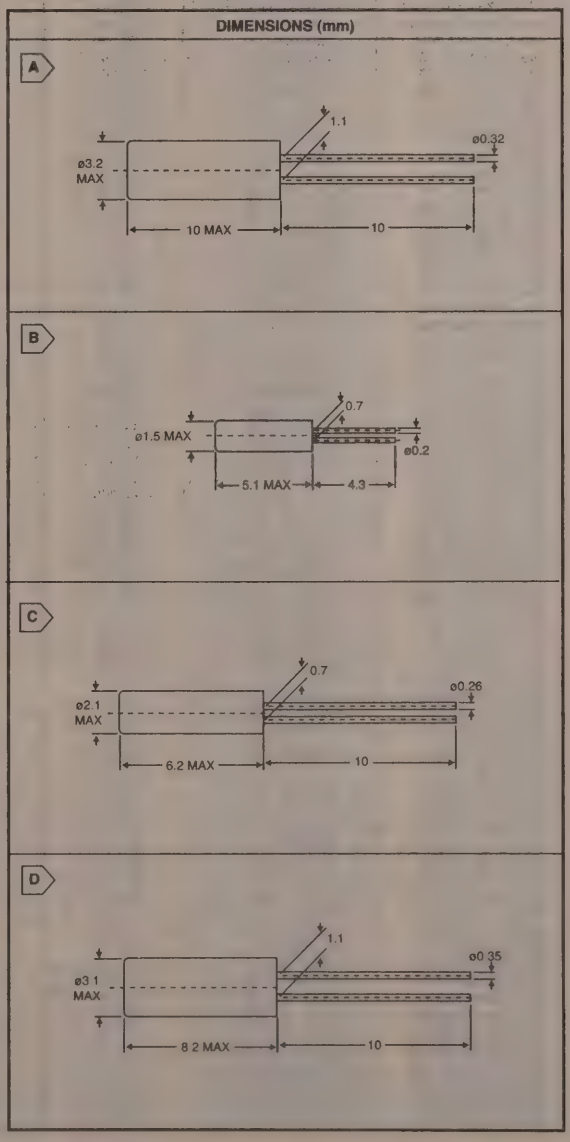
ifications:
rating Temperature: -20°C to +70°C
quency Tolerance: ±30ppm
l Capacitance: 18.0pF TYP.
ation Resistance: 500MΩ Min.

Features:
- High stability has been gained through vacuum sealing.
- Outstanding vibration resistance, shock resistance and environmental characteristics.

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Frequency (MHz)	Price Each 1	10	50	100	1000	2000
CSA3103.579545M	CSA3103.579545MABJB	A	3.579545	.54	.45	.41	.36	.29	.27
CSA3103.6864M	CSA3103.6864MABJB	A	3.686400	.54	.45	.41	.36	.29	.27
CSA3104.000M	CSA3104.000MABJB	A	4.000000	.54	.45	.41	.36	.29	.27
CSA309-491MAB	CSA3094.9152MABJB	A	4.91520	.78	.67	.62	.57	.41	.37
CSA309-5	CSA3095.000MABJB	A	5.000000	.78	.67	.62	.57	.41	.37
CSA309-6	CSA3096.000MABJB	A	6.000000	.78	.67	.62	.57	.41	.37
CSA309-737	CSA3097.3728MABJB	A	7.372800	.78	.67	.62	.57	.41	.37
CSA309-8	CSA3098.000MABJB	A	8.000000	.78	.67	.62	.57	.41	.37
CSA309-819	CSA3098.192MABJB	A	8.19200	.78	.67	.62	.57	.41	.37
CSA309-10	CSA30910.000MABJB	A	10.00000	.78	.67	.62	.57	.41	.37
CSA309-1105	CSA30911.0592MABJB	A	11.05920	.78	.67	.62	.57	.41	.37
CSA309-12	CSA30912.000MABJB	A	12.00000	.78	.67	.62	.57	.41	.37
CSA309-122	CSA30912.288MABJB	A	12.288000	.78	.67	.62	.57	.41	.37
CSA309-123	CSA30912.352MABJB	A	12.352000	.78	.67	.62	.57	.41	.37
CSA309-143	CSA30914.31818MABJB	A	14.318180	.78	.67	.62	.57	.41	.37
CSA309-147	CSA30914.7456MABJB	A	14.745600	.78	.67	.62	.57	.41	.37
CSA309-16	CSA30916.000MABJB	A	16.00000	.78	.67	.62	.57	.41	.37
CSA309-162	CSA30916.257MABJB	A	16.257000	.78	.67	.62	.57	.41	.37
CSA309-163	CSA30916.384MABJB	A	16.38400	.78	.67	.62	.57	.41	.37
CSA309-166	CSA30916.667MABJB	A	16.667000	.78	.67	.62	.57	.41	.37
CSA309-184	CSA30918.432MABJB	A	18.43200	.78	.67	.62	.57	.41	.37
CSA309-196	CSA30919.6608MABJB	A	19.66080	.78	.67	.62	.57	.41	.37
CSA309-20	CSA30920.000MABJB	A	20.000000	.78	.67	.62	.57	.41	.37
CSA309-221	CSA30922.1184MABJB	A	22.11840	.83	.72	.66	.61	.44	.40
CSA309-24	CSA30924.000MABJB	A	24.00000	.83	.72	.66	.61	.44	.40
CSA309-245	CSA30924.576MABJB	A	24.57600	.83	.72	.66	.61	.44	.40
CSA309-25	CSA30925.000MABJB	A	25.00000	.83	.72	.66	.61	.44	.40
CSA309-265	CSA30926.540MABJB	A	26.540000	.83	.72	.66	.61	.44	.40
CSA309-27	CSA30927.000MABJB	A	27.00000	.83	.72	.66	.61	.44	.40
CSA309-28	CSA30928.000MABJB	A	28.000000	.83	.72	.66	.61	.44	.40
CSA309-286	CSA30928.63636MABJB	A	28.636360	.83	.72	.66	.61	.44	.40
CSA309-294	CSA30929.4912MABJB	A	29.491200	.83	.72	.66	.61	.44	.40
CSA309-32	CSA30932.000MABJB	A	32.00000	.83	.72	.66	.61	.44	.40
CSA309-40	CSA30940.000MABJB	A	40.00000	.83	.72	.66	.61	.44	.40
CSA309-48	CSA30948.000MABJB	A	48.00000	.83	.72	.66	.61	.44	.40
CSA309-491	CSA30949.152MABJB	A	49.15200	.83	.72	.66	.61	.44	.40
CSA309-531	CSA30953.125MABJB	A	53.125000	.83	.72	.66	.61	.44	.40

DIMENSIONS (mm)



S / CFV SERIES 32.768 KHZ CYLINDER CRYSTALS

ifications:
rating Temperature: -10°C to +60°C
Tolerance: CFS ±20ppm, CFV ±30ppm
- Load Capacitance: 12.5pF Typ.; (CFS-145) 8.0pF Typ.
- Insulation Resistance: 500MΩ Min.

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Frequency (KHz)	LC (pF)	Price Each 1	10	50	100	1000	2000
CFS145-327K	CFS14532.768KDZFB	B	32.768	12.5	.79	.68	.63	.58	.42	.38
CFS206-327KFB	CFS20632.768KDZFB	C	32.768	12.5	.30	.26	.22	.18	.14	.13
CFS206-327KBB	CFS20632.768KDZBB	C	32.768	6.0	.30	.26	.22	.18	.14	.13
CFS308-327K	CFS30832.768KDZFB	D	32.768	12.5	.30	.26	.22	.18	.14	.13
CFV206-32K	CFV20632.000KAZFB	C	32	12.5	1.00	.90	.65	.58	.52	.48
CFV206-36K	CFV20636.000KAZFB	C	36	12.5	1.00	.90	.65	.58	.52	.48
CFV206-38.4K	CFV20638.400KAZFB	C	38.4	12.5	1.00	.90	.65	.58	.52	.48
CFV206-40K	CFV20640.000KAZFB	C	40	12.5	1.00	.90	.65	.58	.52	.48
CFV206-60K	CFV20660.000KAZFB	C	60	12.5	1.00	.90	.65	.58	.52	.48
CFV206-75K	CFV20675.000KAZFB	C	75	12.5	1.00	.90	.65	.58	.52	.48
CFV206-76.8K	CFV20676.800KAZFB	C	76.8	12.5	1.00	.90	.65	.58	.52	.48
CFV206-96K	CFV20696.000KAZFB	C	96	12.5	1.00	.90	.65	.58	.52	.48
CFV206-100K	CFV206100.000KAZFB	C	100	12.5	1.00	.90	.65	.58	.52	.48

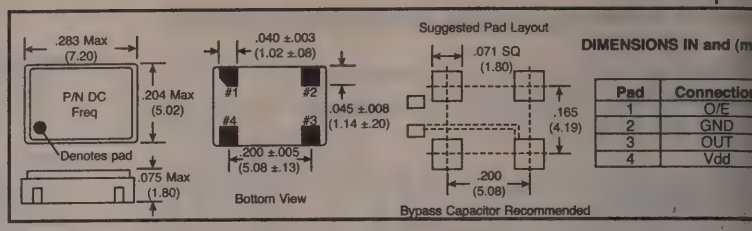
C32XX AND C33XX SERIES CLOCK OSCILLATORS

C32xx Specifications:

- Frequency Range: 1.544MHz~106.250MHz
- Input Current: 60mA Max
- Symmetry: 40/60% Max @ 50% Vdd
- Rise/Fall Time: 6ns Max @ 20% ~ 80% Vdd
- Load: 50pF/10TTL Max, HCMOS/TTL
- Logic: "0" = 10% Vdd Max, "1" = 90% Vdd Min
- Output Enable: V_{IH} 2.4V Min.; V_{IL} 0.4V Max.
- Jitter RMS: 0.5ps Typ, 1ps Max
- Industrial Temperature Available
- Input Voltage: 5V±0.5V

C33xx Specifications:

- Frequency Range: 1.544MHz~156.250MHz
- Input Current: 40mA Max
- Symmetry: 45/55% Max @ 50% Vdd
- Rise/Fall Time: 8ns Max @ 20% to 80% Vdd
- Load: 30pF Max, >125MHz 15pF Max, HCMOS
- Logic: "0" = 10% Vdd Max, "1" = 90% Vdd Min
- Output Enable: V_{IH} 2.4V Min.; V_{IL} 0.4V Max.
- Jitter RMS: 0.5ps Typ, 1ps Max
- Industrial Temperature Available
- Input Voltage: 3.3V±0.3V



(Other frequencies and stabilities available, please contact your Mouser Sales Representative for more information.)

MOUSER STOCK NO.	Crystek Part Number	Frequency (MHz)	Stability over Temperature Range	Price Each 1	25	50	100	250	500	Reel 100
549-C3290-2.048	C3290-2.048	2.048	+/-100ppm @ 0° to 70°C	2.13	1.85	1.78	1.42	1.21	1.07	.9
549-C3290-3.686400	C3290-3.686400	3.6864	+/-100ppm @ 0° to 70°C	2.13	1.85	1.78	1.42	1.21	1.07	.9
549-C3290-20.000	C3290-20.000	20.000	+/-100ppm @ 0° to 70°C	2.13	1.85	1.78	1.42	1.21	1.07	.9
549-C3290-33.000	C3290-33.000	33.000	+/-100ppm @ 0° to 70°C	2.13	1.85	1.78	1.42	1.21	1.07	.9
549-C3292-1.544	C3292-1.544	1.544	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3292-10.000	C3292-10.000	10.000	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3292-16.0000	C3292-16.0000	16.000	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3292-20.480	C3292-20.480	20.480	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3292-32.768	C3292-32.768	32.768	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3292-40.000	C3292-40.000	40.000	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3292-49.152	C3292-49.152	49.152	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3292-50.000	C3292-50.000	50.000	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3291-1.544	C3291-1.544	1.544	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3291-2.048	C3291-2.048	2.048	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3291-24.704	C3291-24.704	24.704	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3291-25.000	C3291-25.000	25.000	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3291-49.152	C3291-49.152	49.152	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3291-50.000	C3291-50.000	50.000	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3390-3.686400	C3390-3.686400	3.6864	+/-100ppm @ 0° to 70°C	2.13	1.85	1.78	1.42	1.21	1.07	.9
549-C3390-7.372800	C3390-7.372800	7.3728	+/-100ppm @ 0° to 70°C	2.13	1.85	1.78	1.42	1.21	1.07	.9
549-C3390-20.000	C3390-20.000	20.000	+/-100ppm @ 0° to 70°C	2.13	1.85	1.78	1.42	1.21	1.07	.9
549-C3390-25.000	C3390-25.000	25.000	+/-100ppm @ 0° to 70°C	2.13	1.85	1.78	1.42	1.21	1.07	.9
549-C3390-75.000	C3390-75.000	75.000	+/-100ppm @ 0° to 70°C	2.91	2.52	2.43	1.94	1.65	1.46	1.2
549-C3390-80.000	C3390-80.000	80.000	+/-100ppm @ 0° to 70°C	3.45	2.99	2.88	2.30	1.96	1.73	1.5
549-C3392-1.544	C3392-1.544	1.544	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-2.048	C3392-2.048	2.048	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-4.096	C3392-4.096	4.096	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-8.064	C3392-8.064	8.064	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-8.192	C3392-8.192	8.192	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-10.000	C3392-10.000	10.000	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-12.288	C3392-12.288	12.288	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-12.352	C3392-12.352	12.352	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-16.0000	C3392-16.0000	16.000	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-16.384	C3392-16.384	16.384	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-19.440	C3392-19.440	19.440	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-20.000	C3392-20.000	20.000	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-24.576	C3392-24.576	24.576	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-24.704	C3392-24.704	24.704	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-25.000	C3392-25.000	25.000	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-32.768	C3392-32.768	32.768	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-34.368	C3392-34.368	34.368	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-35.328	C3392-35.328	35.328	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-40.000	C3392-40.000	40.000	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-44.736	C3392-44.736	44.736	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-50.000	C3392-50.000	50.000	+/-50ppm @ 0° to 70°C	2.22	1.92	1.85	1.48	1.26	1.11	.9
549-C3392-51.840	C3392-51.840	51.840	+/-50ppm @ 0° to 70°C	2.34	2.03	1.95	1.56	1.33	1.17	1.0
549-C3392-66.000	C3392-66.000	66.000	+/-50ppm @ 0° to 70°C	2.46	2.16	2.08	1.66	1.41	1.25	1.0
549-C3392-75.000	C3392-75.000	75.000	+/-50ppm @ 0° to 70°C	2.94	2.55	2.45	1.96	1.67	1.47	1.2
549-C3392-80.000	C3392-80.000	80.000	+/-50ppm @ 0° to 70°C	3.51	3.04	2.93	2.34	1.99	1.76	1.5
549-C3392-100.000	C3392-100.000	100.000	+/-50ppm @ 0° to 70°C	6.09	5.28	5.08	4.06	3.45	3.05	2.6
549-C3392-106.250	C3392-106.250	106.250	+/-50ppm @ 0° to 70°C	6.09	5.28	5.08	4.06	3.45	3.05	2.6
549-C3392-125.000	C3392-125.000	125.000	+/-50ppm @ 0° to 70°C	6.24	5.41	5.20	4.16	3.54	3.12	2.7
549-C3392-133.000	C3392-133.000	133.000	+/-50ppm @ 0° to 70°C	9.84	8.53	8.20	6.56	5.58	4.92	4.2
549-C3392-156.250	C3392-156.250	156.250	+/-50ppm @ 0° to 70°C	12.63	11.11	10.61	10.10	8.59	7.58	6.5
549-C3391-1.544	C3391-1.544	1.544	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-2.048	C3391-2.048	2.048	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-4.096	C3391-4.096	4.096	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-8.064	C3391-8.064	8.064	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-8.192	C3391-8.192	8.192	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-10.000	C3391-10.000	10.000	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-12.288	C3391-12.288	12.288	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-12.352	C3391-12.352	12.352	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-16.000	C3391-16.000	16.000	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-16.384	C3391-16.384	16.384	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-19.440	C3391-19.440	19.440	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-20.000	C3391-20.000	20.000	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-24.576	C3391-24.576	24.576	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-24.704	C3391-24.704	24.704	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-25.000	C3391-25.000	25.000	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-32.768	C3391-32.768	32.768	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-34.368	C3391-34.368	34.368	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-35.328	C3391-35.328	35.328	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-44.736	C3391-44.736	44.736	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-45.000	C3391-45.000	45.000	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-49.152	C3391-49.152	49.152	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-50.000	C3391-50.000	50.000	+/-25ppm @ 0° to 70°C	2.55	2.21	2.13	1.70	1.45	1.28	1.1
549-C3391-51.840	C3391-51.840	51.840	+/-25ppm @ 0° to 70°C	3.00	2.60	2.50	2.00	1.70	1.50	1.3
549-C3391-66.000	C3391-66.000	66.000	+/-25ppm @ 0° to 70°C	3.09	2.68	2.58	2.06	1.75	1.55	1.3
549-C3391-75.000	C3391-75.000	75.000	+/-25ppm @ 0° to 70°C	3.33	2.89	2.78	2.22	1.89	1.67	1.4
549-C3391-80.000	C3391-80.000	80.000	+/-25ppm @ 0° to 70°C	3.99	3.46	3.33	2.66	2.26	2.00	1.7
549-C3391-100.000	C3391-100.000	100.000	+/-25ppm @ 0° to 70°C	6.90	5.98	5.75	4.60	3.91	3.45	2.9
549-C3391-106.250	C3391-106.250	106.250	+/-25ppm @ 0° to 70°C	6.90	5.98	5.75	4.60	3.91	3.45	2.9
549-C3391-125.000	C3391-125.000	125.000	+/-25ppm @ 0° to 70°C	7.05	6.11	5.88	4.70	4.00	3.53	3.0
549-C3391-133.000	C3391-133.000	133.000	+/-25ppm @ 0° to 70°C	9.30	8.18	7.81	7.44	6.32	5.58	4.7
549-C3391-156.250	C3391-156.250	156.250	+/-25ppm @ 0° to 70°C	13.88	12.21	11.66	11.10	9.44	8.33	7.0

CRYSTEK CRYSTALS Chipset Crystals and Oscillators

SET CRYSTALS AND OSCILLATORS

Crystals Corporation has worked with Chipset manufacturers to develop crystal and oscillator solutions that are compatible with their specific Chipsets. the applications for these Chipsets are as follows:

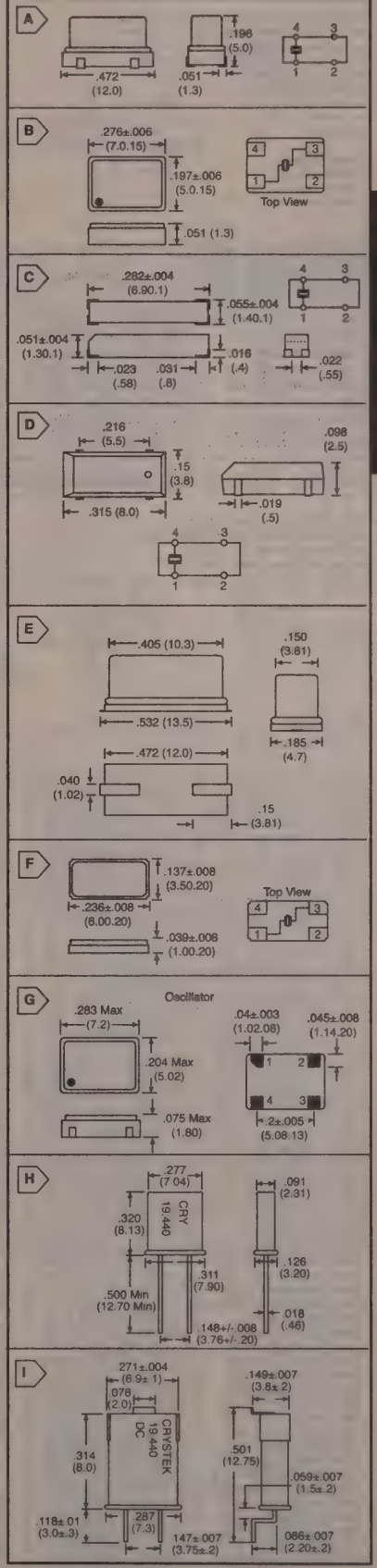
- TOOTH
- 1394 (FireWire®)
- WLAN 802.11xx
- RFID
- DSP Digital Radio
- PDA
- RF Microcontrollers
- Smart RF

ll design work it is sometimes necessary to alter the frequency for a customer specific application and the engineering team at Crystek is available to assist tal and oscillator design modifications. The list of product below are the Qualified and Recommended Crystals and Oscillators for these specific Chipsets Other Chipset reference designs are available. Contact a Mouser Sales Representative for more information.

n: PDA's, Web Tablets, Portable and Wired Internet Access Devices, and Gateways — **For quantities of 200 and up, call for quote.**

Associated Chip	MOUSER STOCK NO.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	Price Each 1	10	100	1000
)	549-016906	16906	A	CMD6A	12.000000	-20°C to +70°C	1.72	1.51	.86	.60
)	549-017130	17130	B	5x7mm SMD	12.000000	-20°C to +70°C	1.72	1.51	.86	.60
)	549-017181	17181	B	5x7mm SMD	13.500000	0°C to +70°C	2.36	2.07	1.18	.83
)	549-017131	17131	B	5x7mm SMD	24.576000	-20°C to +70°C	1.80	1.58	.90	.63
)	549-017129	17129	C	C15 SMD	32.768 KHz	-40°C to +85°C	2.84	2.49	1.42	.99
)	549-017036	17036	D	C26 SMD	32.768 KHz	-40°C to +85°C	1.72	1.51	.86	.60
n: Smart RF, RF Microcontrollers, RF ISM for RF Wireless Systems										
F401	549-016757	16757	E	HC49S SMD	13.125225	-40°C to +85°C	1.56	1.37	.78	.55
F401	549-016758	16758	E	HC49S SMD	18.080000	-40°C to +85°C	1.56	1.37	.78	.55
	549-017057	17057	E	HC49S SMD	4.906250	-40°C to +85°C	1.64	1.44	.82	.57
	549-017126	17126	E	HC49S SMD	4.906250	0°C to +70°C	1.48	1.30	.74	.52
	549-017128	17128	E	HC49S SMD	6.764380	0°C to +70°C	1.48	1.30	.74	.52
	549-017113	17113	E	HC49S SMD	9.843750	-40°C to +85°C	1.68	1.47	.84	.59
n: RF Microcontrollers for Garage door openers, Remote Controls, Security Systems, Medical Systems, Wireless Computer Peripherals										
470/MAX1473	549-016949	16949	E	HC49S SMD	4.6453	-40°C to +85°C	1.68	1.47	.84	.59
470/MAX1473	549-016867	16867	E	HC49S SMD	4.754687	-40°C to +85°C	1.68	1.47	.84	.59
470/MAX1473	549-016991	16991	E	HC49S SMD	5.223438	-40°C to +85°C	1.68	1.47	.84	.59
470/MAX1473	549-016926	16926	E	HC49S SMD	5.8484	-40°C to +85°C	1.68	1.47	.84	.59
470/MAX1473	549-016927	16927	E	HC49S SMD	5.9265	-40°C to +85°C	1.68	1.47	.84	.59
470/MAX1473	549-016868	16868	E	HC49S SMD	6.612813	-40°C to +85°C	1.68	1.47	.84	.59
471	549-017034	17034	E	HC49S SMD	9.509375	-40°C to +85°C	1.76	1.54	.88	.62
471	549-017035	17035	E	HC49S SMD	13.2256	-40°C to +85°C	1.76	1.54	.88	.62
472	549-016950	16950	E	HC49S SMD	9.625	-40°C to +85°C	1.68	1.47	.84	.59
472	549-016951	16951	E	HC49S SMD	10.78125	-40°C to +85°C	1.68	1.47	.84	.59
472	549-016952	16952	E	HC49S SMD	12.031125	-40°C to +85°C	1.68	1.47	.84	.59
472	549-016953	16953	E	HC49S SMD	12.1875	-40°C to +85°C	1.68	1.47	.84	.59
472	549-017000	17000	E	HC49S SMD	9.84375	-40°C to +85°C	1.76	1.54	.88	.62
472	549-017001	17001	E	HC49S SMD	13.56	-40°C to +85°C	1.76	1.54	.88	.62
chip										
on: RF Microcontrollers for Garage door openers, Remote Controls, Security Systems, Medical Systems, Wireless Computer Peripherals for ASK modulation and FSK available. Please contact your Mouser representative for more information.)										
462G/362F	549-017161	17161	E	HC49S SMD	9.494531	-40°C to +85°C	1.28	1.12	.64	.45
462G/362F	549-016875	16875	E	HC49S SMD	9.843750	-40°C to +85°C	1.28	1.12	.64	.45
462G/362F	549-016876	16876	E	HC49S SMD	13.062500	-40°C to +85°C	1.28	1.12	.64	.45
462G/362F	549-016877	16877	E	HC49S SMD	13.560000	-40°C to +85°C	1.28	1.12	.64	.45
2C509AG/509AF	549-017161	17161	E	HC49S SMD	9.494531	-40°C to +85°C	1.28	1.12	.64	.45
2C509AG/509AF	549-016875	16875	E	HC49S SMD	9.843750	-40°C to +85°C	1.28	1.12	.64	.45
2C509AG/509AF	549-016876	16876	E	HC49S SMD	13.062500	-40°C to +85°C	1.28	1.12	.64	.45
2C509AG/509AF	549-016877	16877	E	HC49S SMD	13.560000	-40°C to +85°C	1.28	1.12	.64	.45
2F675F	549-016876	16876	E	HC49S SMD	13.062500	-40°C to +85°C	1.28	1.12	.64	.45
2F675F	549-016877	16877	E	HC49S SMD	13.560000	-40°C to +85°C	1.28	1.12	.64	.45
2F675H	549-017054	17054	E	HC49S SMD	27.134375	-40°C to +85°C	1.08	.95	.54	.38
2F675H	549-017056	17056	E	HC49S SMD	28.593750	-40°C to +85°C	1.08	.95	.54	.38
2F675K	549-017161	17161	E	HC49S SMD	9.494531	-40°C to +85°C	1.28	1.12	.64	.45
2F675K	549-016875	16875	E	HC49S SMD	9.843750	-40°C to +85°C	1.28	1.12	.64	.45
0420	549-016999	16999	E	HC49S SMD	20.356250	-40°C to +85°C	1.08	.95	.54	.38
0420	549-017137	17137	E	HC49S SMD	25.456250	-40°C to +85°C	1.08	.95	.54	.38
0420	549-016985	16985	E	HC49S SMD	26.451250	-40°C to +85°C	1.08	.95	.54	.38
0920	549-017053	17053	E	HC49S SMD	26.800000	-40°C to +85°C	1.08	.95	.54	.38
0920	549-017055	17055	E	HC49S SMD	28.259375	-40°C to +85°C	1.08	.95	.54	.38
320	549-017160	17160	E	HC49S SMD	19.657812	-40°C to +85°C	1.08	.95	.54	.38
Instruments										
on: BLUETOOTH, FIREWIRE, RF ISM, WLAN used in Computer and Home Automation										
03/4903/Dolphin	549-017118	17118	F	3.5x6mm SMD	16.384	-40c to +85C	2.72	2.04	1.22	.88
01/6903/4903/Dolphin	549-017119	17119	F	3.5x6mm SMD	19.6608	-40c to +85C	2.72	2.04	1.22	.88
0x	549-017291	17291	F	3.5x6mm SMD	16.384	-40c to +85C	1.92	1.68	.96	.67
							1	10	50	100
BA3	549-017150	17150	B	5x7mm SMD	49.152000	0°C to +70°C	13.32	11.66	8.33	6.67
BA3	549-017149	17149	B	5x7mm SMD	49.152000	-40°C to +85°C	16.64	14.56	10.40	8.32
BA3	549-601230	601230	G	5x7mm SMD	49.152000	0°C to +70°C	4.68	4.10	2.93	2.34
BA3	549-601188	601188	G	5x7mm SMD	49.152000	-40°C to +85°C	5.00	4.38	3.13	2.50
BA3	549-601228	601228	G	5x7mm SMD	49.152000	-55°C to +125°	20.72	18.13	12.95	10.36
BA3	549-601251	601251	G	5x7mm SMD	98.304000	0°C to +70°C	13.64	11.94	8.53	6.82
BA3	549-601252	601252	G	5x7mm SMD	98.304000	-40°C to +85°C	15.24	13.34	9.53	7.62
Speed										
on: Datacom/Telecom Chipsets for E3/T3, LIU (line Interface Units), Framers — **For quantities of 2000 and up, call for quote.**										
Associated Chip	MOUSER STOCK NO.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	Price Each 1	10	100	1000
56	549-016807	16807	H	UM1	19.440	-40°C to +85°C	5.44	4.76	2.72	1.90
56	549-017039	17039	I	UM1/SMD	19.440	-40°C to +85°C	5.92	5.18	2.96	2.07
20/28335/29320	549-601137	601137	G	5x7mm SMD	34.368	-40°C to +85°C	5.08	4.45	2.54	1.78
20/28335/29320	549-601138	601138	G	5x7mm SMD	44.736	-40°C to +85°C	5.08	4.45	2.54	1.78
20/28335/29320	549-601139	601139	G	5x7mm SMD	51.840	-40°C to +85°C	5.36	4.69	2.68	1.88

DIMENSIONS IN (mm)



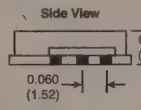
CRYSTEK CRYSTALS SMD Voltage Controlled Oscillators

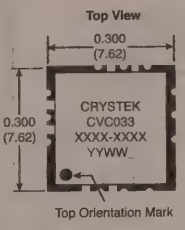
CVC033 SERIES VOLTAGE CONTROLLED OSCILLATORS 0.3" SQUARE SMD, -40°C TO +85°C

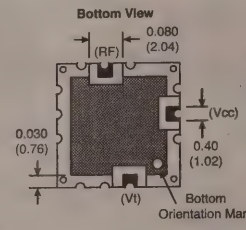
DIMENSIONS IN (

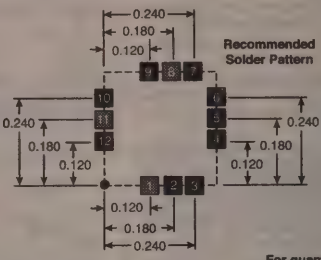
The CVCO33 is an industry standard VCO package designed to meet the requirements for a variety of applications. It's small size does not sacrifice performance. Our CVCO33 family ranges in frequency from 50MHz to 2.0GHz We offer very low phase noise and low Harmonic Suppression.

Applications:
- Portable Radios
- Base Stations
- Test Instruments









Pad	Connec
1	Vt
8	RF-Out
11	Vcc
Others	Ground

For quantities of 50 and up, call for

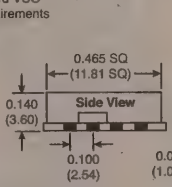
MOUSER STOCK NO.	Crystek Part No.	Frequency (MHz)	Phase Noise @ 10KHz Typ (dBc/Hz)	Tuning Voltage (Vdc)	Tuning Sensitivity (MHz/V)	Harmonics (dBc)	Power (dBc)	VCC (Vdc)	Icc, Mas (mA)	Price Each 1	Price Each 5
549-CV33CL110-150	CVCO33CL-0110-0150	110 to 150	-112	0 to 5.0	11	-10	3.0±3.0	5.0±0.25	10	26.25	23.10
549-CV33CL125-200	CVCO33CL-0125-0200	125 to 200	-100	0.7 to 8.3	12	-15	6.0±3.0	5.0±0.25	30	26.25	23.10
549-CV33CL204-206	CVCO33CL-0204-0206	204 to 206	-112	1.0 to 4.0	11	-12	-1.0±3.0	5.0±0.25	15	26.25	23.10
549-CV33CL390-410	CVCO33CL-0390-0410	390 to 410	-105	0.5 to 4.5	12	-15	3.0±3.0	5.0±0.25	15	26.25	23.10
549-CV33CL415-435	CVCO33CL-0415-0435	415 to 435	-103	0.5 to 4.5	12	-15	3.0±3.0	5.0±0.25	15	26.75	23.54
549-CV33CL435-470	CVCO33CL-0435-0470	435 to 470	-103	0.5 to 4.5	10	-10	3.0±3.0	5.0±0.25	15	26.75	23.54
549-CV33CL559-561	CVCO33CL-0559-0561	559 to 561	-95	0.5 to 4.5	12	-15	4.0±2.0	4.0±0.25	15	26.75	23.54
549-CV33CL750-770	CVCO33CL-0750-0770	750 to 770	-103	0.5 to 2.5	30	-15	4.5±3.0	2.7±0.25	11	26.75	23.54

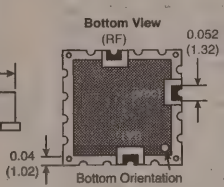
CVC055 SERIES VOLTAGE CONTROLLED OSCILLATORS 0.5" SQUARE SMD, -40°C TO +85°C

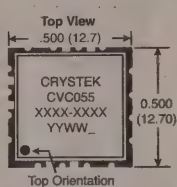
DIMENSIONS IN

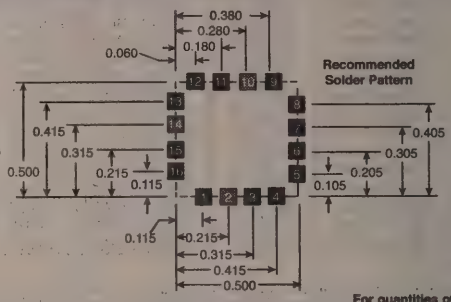
The CVCO55 is an industry standard VCO package designed to meet the requirements for a variety of applications. With frequencies ranging from 50MHz to 5.8GHz, our CVCO55 family is our largest of VCO product line. We offer bandwidths as wide as an octave, very low phase noise and low Harmonic Suppression.

Applications:
- Digital Radio Equipment
- Fixed Wireless Access
- Fixed Wireless Access
- Satellite Communication System
- Base Stations







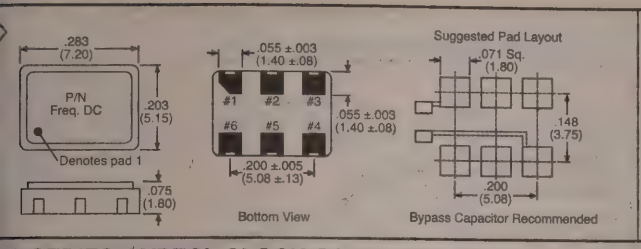


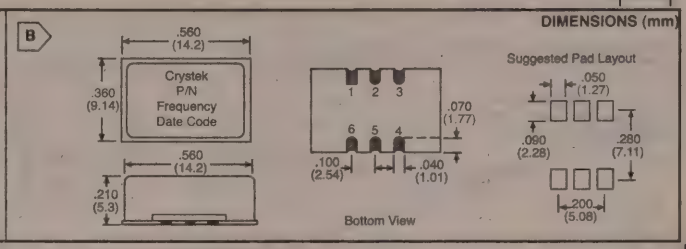
Pad	Connec
2	Vt
10	RF-Out
14	Vcc
Others	Ground

For quantities of 50 and up, call for

(Other frequency ranges available. Please contact your Mouser representative for more information.)

549-CV55BE960-1200	CVCO55BE-0960-1200	960 to 1200	-96	0.5 to 4.5	150	-10	3±3.0	3.0±0.15	8	27.75	24.42
549-CV55BE1000-1500	CVCO55BE-1000-1500	1000 to 1500	-96	0.5 to 4.6	151	-15	3.0±3.0	3.0±0.15	10	29.50	25.96
549-CV55BE1000-2000	CVCO55BE-1000-2000	1000 to 2000	-90	0.5 to 10	130	-15	3.0±3.0	10.0±.5	20	29.50	25.96
549-CV55BE1350-1400	CVCO55BE-1350-1400	1350 to 1400	-100	0.5 to 4.5	20	-15	7.0±5.0	5.0±0.25	20	29.50	25.96
549-CV55BE1480-1600	CVCO55BE-1480-1600	1480 to 1600	-99	0.5 to 4.5	65	-12	6.5±1.5	5.0±0.25	30	29.50	25.96
549-CV55BE1530-2700	CVCO55BE-1530-2700	1530 to 2700	-87	0.5 to 10	100	-10	6.5±1.5	5.0±0.25	30	29.50	25.96
549-CV55BE1550-1650	CVCO55BE-1550-1650	1550 to 1650	-102	0.5 to 4.5	45	-15	2.0±2.0	5.0±0.25	20	29.50	25.96
549-CV55BE1630-1665	CVCO55BE-1630-1665	1630 to 1665	-102	0.5 to 4.5	45	-20	4.0±2.0	5.0±0.25	15	29.50	25.96
549-CV55BE1650-2050	CVCO55BE-1650-2050	1650 to 2050	-105	0 to 20	25	-15	-2.5±2.5	8.0±0.40	28	29.50	25.96
549-CV55BE1680-1740	CVCO55BE-1680-1740	1680 to 1740	-103	0.5 to 4.5	70	-15	3.0±3.0	5.0±0.25	15	29.50	25.96
549-CV55BE1690-2062	CVCO55BE-1690-2062	1690 to 2062	-93	0 to 5	145	-15	5.0±2.0	5.0±0.25	20	29.50	25.96
549-CV55BE1750-1810	CVCO55BE-1750-1810	1750 to 1810	-103	0.5 to 4.5	70	-15	5.0±2.0	5.0±0.25	15	29.50	25.96
549-CV55BE1800-2200	CVCO55BE-1800-2200	1800 to 2200	-100	0.5 to 18	57	-15	-3.0±3.0	10.0±0.50	25	29.50	25.96
549-CV55BE1930-1990	CVCO55BE-1930-1990	1930 to 1990	-105	0.5 to 4.5	40	-10	3.0±3.0	5.0±0.25	20	29.50	25.96
549-CV55BE1950-2070	CVCO55BE-1950-2070	1950 to 2070	-102	0.5 to 4.5	40	-20	4.0±2.0	5.0±0.25	18	29.50	25.96
549-CV55BE1950-2150	CVCO55BE-1950-2150	1950 to 2150	-96	0.5 to 4.5	40	-15	5.0±2.0	4.5±0.25	25	29.50	25.96
549-CV55BE2050-2474	CVCO55BE-2050-2474	2050 to 2474	-103	0 to 16	30	-15	-2.5±2.5	8.0±0.40	28	30.75	27.06
549-CV55BE2100-2200	CVCO55BE-2100-2200	2100 to 2200	-99	0.5 to 4.5	50	-12	6.5±1.5	5.0±0.25	30	30.75	27.06
549-CV55BE2110-2170	CVCO55BE-2110-2170	2110 to 2170	-105	0.5 to 4.5	40	-10	3.0±3.0	5.0±0.25	20	30.75	27.06
549-CV55BE2270-2330	CVCO55BE-2270-2330	2270 to 2330	-103	1 to 5	30	-12	5.0±2.0	5.0±0.25	35	30.75	27.06
549-CV55BE2270-3180	CVCO55BE-2270-3180	2270 to 3180	-85	1 to 20	50	-12	5.0±2.0	5.0±0.25	35	30.75	27.06
549-CV55BE2300-2500	CVCO55BE-2300-2500	2300 to 2500	-103	2 to 10	30	-12	6.0±3.0	8.0±0.40	29	30.75	27.06
549-CV55BE2430-2585	CVCO55BE-2430-2585	2430 to 2585	-99	0.2 to 4.8	38	-16	2.0±2.0	5.0±0.25	15	30.75	27.06
549-CV55BE2475-2900	CVCO55BE2475-2900	2475 to 2900	-100	0 to 16	30	-15	-2.5±2.5	8.0±0.40	28	30.75	27.06
549-CV55BE2560-3200	CVCO55BE-2560-3200	2560 to 3200	-90	1 to 10	110	-20	6.0±3.0	10.0±0.50	25	33.00	29.04
549-CV55BE2600-3100	CVCO55BE-2600-3100	2600 to 3100	-90	1 to 10	110	-20	6.0±3.0	10.0±0.50	25	33.00	29.04
549-CV55BE2650-2700	CVCO55BE-2650-2700	2650 to 2700	-105	2 to 7	20	-10	6.0±2.0	8.0±0.40	25	33.00	29.04
549-CV55BE2700-3275	CVCO55BE-2700-3275	2700 to 3275	-95	1 to 15	75	-22	5.0±2.0	5.0±0.25	25	33.00	29.04
549-CV55BE2865-3100	CVCO55BE-2865-3100	2865 to 3100	-90	0.5 to 4.5	110	-15	1.0±3.0	5.0±0.25	20	33.00	29.04
549-CV55BE2900-3300	CVCO55BE-2900-3300	2900 to 3300	-95	0 to 16	30	-15	-2.5±2.5	8.0±0.40	28	33.00	29.04
549-CV55BE2974-3274	CVCO55BE-2974-3274	2974 to 3274	-99	0.5 to 4.5	100	-15	5.0±3.0	5.0±0.25	27	33.00	29.04
549-CV55BE3000-3100	CVCO55BE-3000-3100	3000 to 3100	-101	0.5 to 11.5	23	-15	5.0±3.0	5.0±0.25	25	33.75	29.70
549-CV55BE3100-3350	CVCO55BE-3100-3350	3100 to 3350	-98	0.5 to 4.5	30	-15	4.0±6.0	5.0±0.25	40	33.75	29.70
549-CV55BH3600-3800	CVCO55BH-3600-3800	3600 to 3800	-92	0.5 to 4.5	100	-15	4.0±2.0	5.0±0.25	15	39.88	35.09
549-CV55BH4100-4300	CVCO55BH-4100-4300	4100 to4300	-90	0.5 to 4.5	100	-15	3.0±2.0	5.0±0.25	15	39.88	35.09
549-CV55BH5256-5356	CVCO55BH-5256-5356	5256 to 5356	-86	1.0 to 4.0	56	-10	0.0±2.0	5±0.25	30	41.00	36.08
549-CV55BH5450-5550	CVCO55BH-5450-5550	5450 to 5550	-85	0.5 to 4.5	50	-10	1.5±1.5	5.0±0.25	30	41.00	36.08
549-CV55CL45-70	CVCO55CL-0045-0070	45 to 70	-115	0.5 to 10.5	4	-10	5.0±3.0	5.0±0.25	15	27.63	24.31
549-CV55CL180-200	CVCO55CL-0180-0200	180 to 200	-106	0.5 to 4.5	8	-10	2.0±2.0	5.0±0.25	15	27.63	24.31
549-CV55CL184-190	CVCO55CL-0184-0190	184 to 190	-110	0 to 5	3	-20	0±3.0	5.0±0.25	15	27.63	24.31
549-CV55CL225-425	CVCO55CL-0225-0425	225 to 425	-112	0.5 to 6.5	50	-15	-10±3.0	7.0±0.25	15	27.63	24.31
549-CV55CL393-428	CVCO55CL-0393-0428	393 to 428	-110	0.5 to 4.5	15	-12	3.0±3.0	5.0±0.25	8	27.63	24.31
549-CV55CL467-493	CVCO55CL-0467-0493	467 to 493	-96	0.5 to 4.5	15	-12	3.0±3.0	5.0±0.25	15	27.63	24.31
549-CV55CL490-540	CVCO55CL-0490-0540	490 to 540	-108	0.5 to 4.5	31	-12	3.0±3.0	5.0±0.25	15	27.63	24.31
549-CV55CL600-880	CVCO55CL-0600-0880	600 to 880	-102	0.5 to 4.5	60	-10	3.0±3.0	5.0±0.25	20	28.75	25.30
549-CV55CL640-690	CVCO55CL-0640-0690	640 to 690	-100	0.5 to 4.5	30	-12	6.5±1.5	5.0±00.25	25	28.75	25.30
549-CV55CL805-900	CVCO55CL-0805-0900	805 to 900	-115	0.5 to 5	30	-15	3.0±3.0	5.0±00.25	20	28.75	25.30
549-CV55CL0920-0980	CVCO55CL-0920-0980	920 to 980	-105	1.0 to 5.0	30	-12	5.0±2.0	5.0±0.25	35	28.75	25.30
549-CV55CL1188-1212	CVCO55CL-1188-1212	1188 to 1212	-103	0 to 8	15	-20	8.0±2.0	12.0±0.25	20	29.38	25.85
549-CV55CL1256-1264	CVCO55CL-1256-1264	1256 to 1264	-112	0.5 to 4.5	15	-15	5.0±2.0	5.0±0.25	20	29.38	25.85
549-CV55CT902-928	CVCO55CT-0902-0928	902 to 928	-110	0.3 to 4.7	8	-15	12.0±2.0	12.0±0.25	20	29.38	25.85
549-CV55CW140-250	CVCO55CW-0140-0250	140 to 250	-100	0.5 to 10	10	-14	3.0±2.0	5.0±0.25	15	30.38	26.73
549-CV55CW250-450	CVCO55CW-0250-0450	250 to 450	-106	0.5 to 4.5	50	-15	0±3.0	5.0±0.25	12	30.38	26.73
549-CV55CW250-500	CVCO55CW-0250-0500	250 to 500	-105	0.5 to 19	15	-17	10±3.0	15.0±0.25	25	30.38	26.73
549-CV55CW500-1000	CVCO55CW-0500-1000	500 to 1000	-96	0.5 to 20.0	60	-10	8.5±3.5	12.0±0.60	20	30.88	27.17





PD SERIES, LVPECL CLOCK OSCILLATORS

ifications:

uency Range: 77.760~311.040MHz
t Voltage: 3.3V ± 0.3V
t Current: 55mA Typ, 88mA Max

- Jitter: 1ps RMS Max
- Low phase noise, non PLL design

Output:

- Differential LVPECL
- Symmetry: 45/55% Max @ 50% Vdd
- Logic: Terminated to Vdd-2V into 50 ohms
- Rise/Fall Time: 1ns max.@20% to 80% Vdd

Pad	Connection	Pad	Connection
1	E/D	4	OUT
2	N/C	5	COUT
3	GND	6	Vdd

frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crystek Part Number	Fig.	Package	Operating Frequency (MHz)	Stability over Temperature Range	Price Each		
						1	5	10
-CCPD033X2577.76	CCPD-033X-25-77.760	A	5 x 7mm SMD	77.760	±25ppm @ -40°C to +85°C	26.09	23.72	22.53
-CCPD033X25155.52	CCPD-033X-25-155.520	A	5 x 7mm SMD	155.520	±25ppm @ -40°C to +85°C	36.41	33.10	31.45
-CCPD033X25156.25	CCPD-033X-25-156.250	A	5 x 7mm SMD	156.250	±25ppm @ -40°C to +85°C	36.41	33.10	31.45
-CCPD033X25161.13	CCPD-033X-25-161.1328	A	5 x 7mm SMD	161.1325	±25ppm @ -40°C to +85°C	45.74	41.58	39.50
-CCPD034M50311.04	CCPD-034M-50-311.040	A	5 x 7mm SMD	311.040	±50ppm @ -20°C to +70°C	41.25	37.50	35.63
-CCPD912X2577.76	CCPD-912X-25-77.760	B	9 x 14mm SMD	77.760	±25ppm @ -40°C to +85°C	33.90	30.82	29.28
-CCPD912X25100	CCPD-912X-25-100.000	B	9 x 14mm SMD	100.000	±25ppm @ -40°C to +85°C	34.21	31.10	29.55
-CCPD912X25106.25	CCPD-912X-25-106.250	B	9 x 14mm SMD	106.250	±25ppm @ -40°C to +85°C	34.21	31.10	29.55
-CCPD912X25155.52	CCPD-912X-25-155.520	B	9 x 14mm SMD	155.520	±25ppm @ -40°C to +85°C	44.24	40.22	38.21
-CCPD912X25156.25	CCPD-912X-25-156.250	B	9 x 14mm SMD	156.250	±25ppm @ -40°C to +85°C	44.24	40.22	38.21
-CCPD912X25161.13	CCPD-912X-25-161.1328	B	9 x 14mm SMD	161.1328	±25ppm @ -40°C to +85°C	53.57	48.70	46.27
-CCPD915M50311.04	CCPD-915M-50-311.040	B	9 x 14mm SMD	311.040	±50ppm @ -20°C to +70°C	44.68	40.62	38.59

LD SERIES, LVDS CLOCK OSCILLATORS

ifications:

uency Range: 77.760~250.00MHz
t Voltage: 3.3V ± 0.3V
t Current: 35mA typ., 47mA max.
: 0.5psec typ., 1ps RMS max.
Phase Noise, non-PLL design

Output:

- Differential LVDS
- Symmetry: 45/55% Max @ 50% Vdd
- Differential Output Voltage: 247mV min., 454mV max.
- Rise/Fall Time: 1ns max. @ 20% to 80% Vdd

Pad	Connection	Pad	Connection
1	E/D	4	OUT
2	N/C	5	COUT
3	GND	6	Vdd

frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Crystek Part Number	Fig.	Package	Operating Frequency (MHz)	Stability over Temperature Range	Price Each		
						1	10	100
-CCLD033-50-100	CCLD-033-50-100.000	A	5 x 7mm SMD	100.00	±50ppm @ 0°C to +70°C	11.22	9.18	7.14
-CCLD033-50-125	CCLD-033-50-125.000	A	5 x 7mm SMD	125.00	±50ppm @ 0°C to +70°C	11.22	9.18	7.14
-CCLD033-50-133	CCLD-033-50-133.000	A	5 x 7mm SMD	133.00	±50ppm @ 0°C to +70°C	11.61	9.50	7.39
-CCLD033-50-156	CCLD-033-50-156.250	A	5 x 7mm SMD	156.25	±50ppm @ 0°C to +70°C	13.35	10.92	8.49
-CCLD912-50-100	CCLD-912-50-100.000	B	9 x 14mm SMD	100.00	±50ppm @ 0°C to +70°C	14.52	11.88	9.24
-CCLD912-50-125	CCLD-912-50-125.000	B	9 x 14mm SMD	125.00	±50ppm @ 0°C to +70°C	14.52	11.88	9.24
-CCLD912-50-133	CCLD-912-50-133.000	B	9 x 14mm SMD	133.00	±50ppm @ 0°C to +70°C	14.91	12.20	9.49
-CCLD912-50-156	CCLD-912-50-156.250	B	9 x 14mm SMD	156.25	±50ppm @ 0°C to +70°C	16.65	13.62	10.59

XO-018T SERIES, HCMOS VOLTAGE CONTROLLED CRYSTAL OSCILLATORS

ifications:

uency Range: 1~52MHz
t Voltage: 3.3V ± 0.3V
trol Voltage: 1.65V ± 1.65V

- Input Current: 40mA Max
- Low Jitter, non PLL design

Output:

- HCMOS
- Symmetry: 40/60% Max @ 50% Vdd
- Rise/Fall Time: 5ns Max @ 20% to 80% Vdd
- Pulling Range: ±100ppm min.
- Linearity: ±10% max

Pad	Connection	Pad	Connection
1	Cont. Volt.	4	O/P
2	Tri-State	5	N/C
3	GND	6	Vdd

frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Crystek Part Number	Fig.	Package	Operating Frequency (MHz)	Stability over Temperature Range	Price Each			
						1	10	100	500
-CVXO018TX508.192	CVXO-018TX-50-8.192	A	5 x 7mm SMD	8.192	±50ppm @ -40°C to +85°C	5.96	5.66	4.32	4.02
-CVXO018TX5012.35	CVXO-018TX-50-12.352	A	5 x 7mm SMD	12.352	±50ppm @ -40°C to +85°C	5.96	5.66	4.32	4.02
-CVXO018TX5019.44	CVXO-018TX-50-19.440	A	5 x 7mm SMD	19.440	±50ppm @ -40°C to +85°C	5.96	5.66	4.32	4.02
-CVXO018TX5024.70	CVXO-018TX-50-24.704	A	5 x 7mm SMD	24.704	±50ppm @ -40°C to +85°C	5.96	5.66	4.32	4.02
-CVXO018TX5027	CVXO-018TX-50-27.000	A	5 x 7mm SMD	27.000	±50ppm @ -40°C to +85°C	5.96	5.66	4.32	4.02
-CVXO018TX5034.56	CVXO-018TX-50-34.560	A	5 x 7mm SMD	34.560	±50ppm @ -40°C to +85°C	6.14	5.83	4.45	4.14
-CVXO018TX5035.32	CVXO-018TX-50-35.328	A	5 x 7mm SMD	35.328	±50ppm @ -40°C to +85°C	6.14	5.83	4.45	4.14
-CVXO018TX5044.73	CVXO-018TX50-44.736	A	5 x 7mm SMD	44.736	±50ppm @ -40°C to +85°C	10.34	9.82	7.50	6.98

PD-034/914 HFF SERIES, LVPECL VOLTAGE CONTROLLED CRYSTAL OSCILLATORS

ifications:

uency Range: 77.76~200MHz
t Voltage: 3.3V ± 0.3V
trol Voltage: 1.65V ± 1.65V

- Input Current: 50mA Typ, 88mA Max
- Jitter: 1ps RMS max.
- Low phase noise, non PLL design

Output:

- Differential LVPECL
- Symmetry: 45/55% Max @ 50% Vdd
- Rise/Fall Time: 1ns Max @ 20% to 80% Vdd
- Pulling Range: ±50ppm APR Min.
- Linearity: ±10% Max

Pad	Connection	Pad	Connection
1	Volt. Cont.	4	OUT
2	E/D	5	COUT
3	GND	6	Vdd

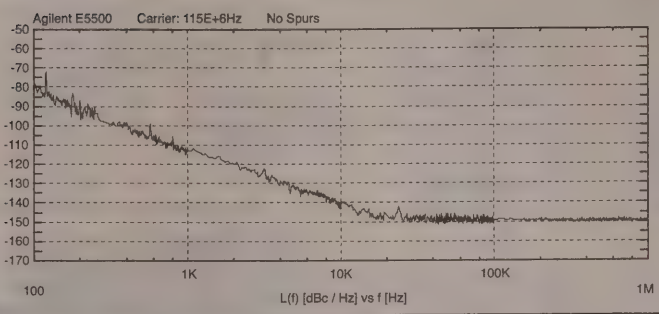
frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

For quantities of 50 and up, call for quote.

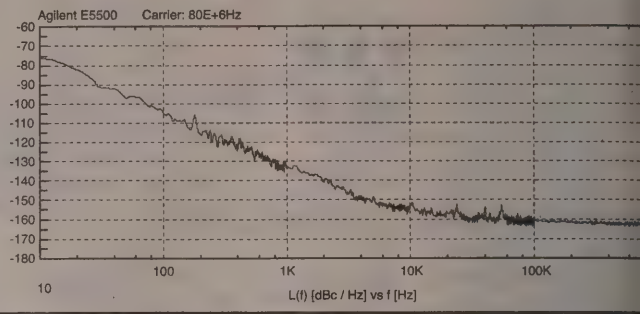
MOUSER STOCK NO.	Crystek Part Number	Fig.	Package	Operating Frequency (MHz)	Stability over Temperature Range	Price Each		
						1	5	10
9-CVPD034X5077.76	CVPD-034X-50-77.760	A	5 x 7mm SMD	77.760	±50ppm @ -40°C to 85°C	37.20	35.34	33.48
9-CVPD034X50155.52	CVPD-034X-50-155.520	A	5 x 7mm SMD	155.520	±50ppm @ -40°C to 85°C	39.82	37.83	35.84
9-CVPD034X50156.25	CVPD-034X-50-156.250	A	5 x 7mm SMD	156.250	±50ppm @ -40°C to 85°C	39.82	37.83	35.84
9-CVPD034X50161.13	CVPD-034X-50-161.1328	A	5 x 7mm SMD	161.1328	±50ppm @ -40°C to 85°C	41.74	39.65	37.57
9-CVPD914X5077.76	CVPD-914X-50-77.760	B	9 x 14mm SMD	77.760	±50ppm @ -40°C to 85°C	37.42	35.55	33.68
9-CVPD914X50155.52	CVPD-914X-50-155.520	B	9 x 14mm SMD	155.520	±50ppm @ -40°C to 85°C	39.90	37.91	35.91
9-CVPD914X50156.25	CVPD-914X-50-156.250	B	9 x 14mm SMD	156.250	±50ppm @ -40°C to 85°C	39.90	37.91	35.91
9-CVPD914X50161.13	CVPD-914X-50-161.1328	B	9 x 14mm SMD	161.1328	±50ppm @ -40°C to 85°C	41.70	39.62	37.53

CRYSTEK CRYSTALS High End Crystal Oscillators

CCO-083 & CCO-983 Phase Noise Plot



CCHD-950 & CVHD-950 Phase Noise Plot



CCO-083/983 SERIES, TRUE SINEWAVE CLOCK OSCILLATORS

Specifications:

- Frequency Range: 10-330MHz
- Input Voltage: 3.3V±0.3V
- Input Current: <15mA max.
- Low Phase Noise Floor @ -150dBc/Hz (See Plot Above)
- Stability: ±25ppm @ 0 to 70°C

Output:

- TRUE SINEWAVE
- Load: 50Ω
- Power: 0 dBm min. into 50Ω
- Harmonics: -20dB max.
- No Sub-Harmonics

Pad	Connection
1	N/C
2	GND
3	OUT
4	Vdd

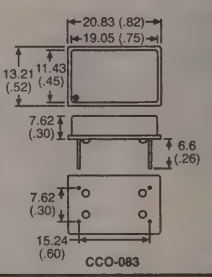
Note: This Product is also available as a VCXO (Voltage Controlled Crystal Oscillator) CVXO-083/983.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package	Operating Frequency (MHz)	Price Each 1	10	25
549-CCO-083-16	CCO-083-16.000	14 Pin DIP	16.000	36.68	33.01	29.34
549-CCO-083-100	CCO-083-100.000	14 Pin DIP	100.000	41.42	37.28	33.14
549-CCO-083-200	CCO-083-200.000	14 Pin DIP	200.000	45.70	41.13	36.56
549-CCO-983-100	CCO-983-100.000	9x14 SMD	100.000	58.30	52.47	46.64
549-CCO-983-200	CCO-983-200.000	9x14 SMD	200.000	59.88	53.89	47.90

(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

DIMENSIONS: mm



CCHD-950 SERIES, CMOS ULTRA LOW PHASE NOISE CLOCK OSCILLATORS

Specifications:

- Frequency Range: 50-125MHz
- Input Voltage: ±3.3V±0.3V
- Input Current: 15mA typ., 25mA max.
- Low Phase Noise Floor @ -162dBc/Hz (See Plot Above)
- Jitter: 0.5psec typ., 1psec RMS max.
- Stability: ±50ppm @ 0°C to 70°CC

Output:

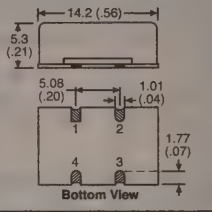
- CMOS
- Symmetry: 45/55% max. @ 50% Vdd
- No Sub-Harmonics

DIMENSIONS: mm (In.)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Operating Frequency (MHz)	Price Each 1	10	50	100
549-CCHD-950-50-80	CCHD-950-50-80.000	80.000	29.10	26.19	21.83	20.37
549-CCHD-950-50-100	CCHD-950-50-100.000	100.000	26.90	24.21	20.18	18.83

(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)



Pad	Connection
1	N/C
2	GND
3	OUT
4	Vdd

CVHD-950 SERIES, CMOS ULTRA LOW PHASE NOISE VOLTAGE CONTROLLED CRYSTAL OSCILLATORS

Specifications:

- Frequency Range: 50-125MHz
- Frequency Pulling: ±20ppm APR min.
- Input Voltage: 3.3V±0.3V
- Control Voltage: 1.65V±1.65V
- Input Current: 15mA typ., 25mA max.
- Low Phase Noise Floor @ -162dBc/Hz (See Plot Above)
- Jitter: 0.5psec typ., 1psec RMS max.

Output:

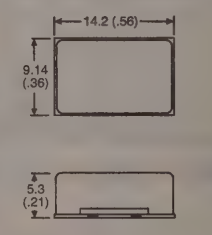
- CMOS
- Symmetry: 45/55% max. @ 50% Vdd
- Rise/Fall Time: 3nsec max. @ 20%-80% Vdd
- Linearity: ±10% max.
- No Sub-Harmonics

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package	Operating Frequency (MHz)	Operating Temperature Range	Price Each 1	10	50	100
549-CVHD-950-54	CVHD-950-54.000	9x14mm SMD	54.000	0 to 70°C	26.80	24.12	20.10	18.76
549-CVHD-950-74.17	CVHD-950-74.1758	9x14mm SMD	74.176	0 to 70°C	27.40	24.66	20.55	19.18
549-CVHD-950-74.25	CVHD-950-74.250	9x14mm SMD	74.250	0 to 70°C	27.40	24.66	20.55	19.18
549-CVHD-950-80	CVHD-950-80.000	9x14mm SMD	80.000	0 to 70°C	27.70	24.93	20.78	19.39
549-CVHD-950-100	CVHD-950-100.000	9x14mm SMD	100.000	0 to 70°C	27.70	24.93	20.78	19.39

(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

DIMENSIONS: mm



Pad	Connection
1	Volt. Cont.
2	GND
3	OUT
4	Vdd

CVPD 920/940/970 HFF SERIES, LVPECL VOLTAGE CONTROLLED CRYSTAL OSCILLATORS

Specifications:

- Frequency Range: 50~670MHz
- Input Voltage: 3.3V±0.3V
- Control Voltage: 1.65V±1.65V
- Input Current: 88mA max.
- Jitter: 1ps RMS max.
- Low phase noise, non PLL design

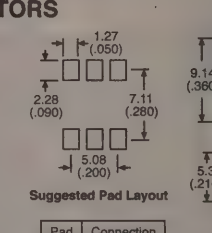
Output:

- Differential LVPECL
- Symmetry: 49/51% typ., 45/55% max.
- Rise/Fall Time: 550pS max. @ 20%
- Linearity: ±10% max.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package	Pullability APR	Operating Frequency (MHz)	Operating Temperature Range	Price Each 1	10	25	50
549-CVPD-920-61.44	CVPD-920-61.440	9x14mm SMD	±20ppm	61.440	0°C to 70°C	32.14	28.93	25.71	24.11
549-CVPD-920-74.17	CVPD-920-74.1758	9x14mm SMD	±20ppm	74.176	0°C to 70°C	32.14	28.93	25.71	24.11
549-CVPD-920-74.25	CVPD-920-74.250	9x14mm SMD	±20ppm	74.250	0°C to 70°C	32.14	28.93	25.71	24.11
549-CVPD-920-80	CVPD-920-80.000	9x14mm SMD	±20ppm	80.000	0°C to 70°C	32.14	28.93	25.71	24.11
549-CVPD-920-100	CVPD-920-100.000	9x14mm SMD	±20ppm	100.000	0°C to 70°C	34.04	30.64	27.23	25.53
549-CVPD940X77.76	CVPD-940X-77.760	9x14mm SMD	±50ppm	77.760	-40°C to +85°C	32.78	29.50	26.22	24.59
549-CVPD940X155.52	CVPD-940X-155.520	9x14mm SMD	±50ppm	155.520	-40°C to +85°C	34.86	31.37	27.89	26.15
549-CVPD940X156.25	CVPD-940X-156.250	9x14mm SMD	±50ppm	156.250	-40°C to +85°C	34.86	31.37	27.89	26.15
549-CVPD940X161.1328	CVPD-940X-161.1328	9x14mm SMD	±50ppm	161.1328	-40°C to +85°C	36.52	32.87	29.22	27.39
549-CVPD970X622.08	CVPD-970X-622.080	9x14mm SMD	±50ppm	622.080	-40°C to +85°C	78.24	70.42	62.59	58.68

(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)



Pad	Connection
1	Volt. Cont.
2	E/D
3	GND
4	OUT
5	COUT
6	Vdd

DIMENSIONS: mm (In.)

CVT32 SERIES, TEMPERATURE COMPENSATED VOLTAGE CONTROLLED CRYSTAL OSCILLATORS

Specifications:

- Frequency Range: 12.8-30MHz
- Input Voltage: 3.0V±10%
- Input Current: 1.2mA typ., 2mA max.
- Low Phase Noise Floor @ -140dBc/Hz
- Calibration Tolerance: ±1.5ppm
- Stability: ±2.5ppm @ -20°C to +80°C
- Aging: 1 ppm max./year

Output:

- Clipped Sinewave
- Load: 6-15KΩ / 2-10pF
- Harmonics: -12dBc max.

Voltage Control:

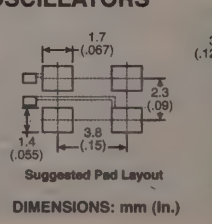
- 1.5V±1.0V
- Vcont Trim: ±4ppm min., ±12ppm max.

Pad	Connection	Pad	Connection
1	Volt. Cont.	3	OUT
2	GND	4	Vdd

Note: Other TCXO (Temperature Compensated Crystal Oscillators) and TCVCXO (Temperature Compensated Voltage Controlled Crystal Oscillators) available. Please contact your Mouser representative for more information.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package	Operating Frequency (MHz)	Price Each 1	10	25	100	500
549-CVT-10	CVT32-10.000	3.2x5mm SMD	10.000	8.10	7.29	7.02	5.40	4.05
549-CVT-20	CVT32-20.000	3.2x5mm SMD	20.000	8.10	7.29	7.02	5.40	4.05



DIMENSIONS: mm (In.)

MOUSER ELECTRONICS
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ECLIPTEK Oscillators

ECLIPTEK CORPORATION

series Oscillators and EP series Programmable Oscillators are available in standard or custom frequencies within the range of 1.000000MHz to 107.000000MHz. If a custom frequency is needed outside this range, please contact us ote. There are no minimum order quantities on any of the EP & EH series product. All orders are NON-CANCELABLE AND NON-RETURNABLE.

JRES:
e 3.3V and 5.0V
Range options:
to +70°C, and -40°C to +85°C
ency Stability Options:
ppm, ±50ppm, ±25ppm, ±20ppm
Lead Styles available upon request
m Frequency for up to 6 places
he Decimal
ri-State is available in the
eries

PART NUMBERING GUIDE

EH11 - 00 HS ET T TS - 70.000M

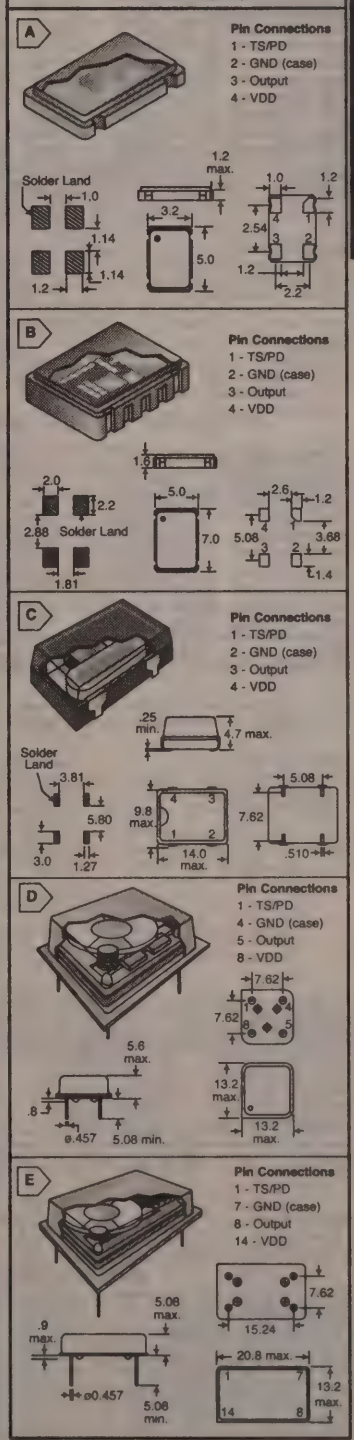
- **Series**: EH, EP
- **Package Designator**: 3.3 volt only 13=Metal, 15=Plastic, 26 & 36=Ceramic; 5 volt only 11=Metal, 14=Plastic, 25 & 35=Ceramic
- **Frequency Tolerance/Stability**: 20=±20ppm Max. (EH Series only); 25=±25ppm Max. (EH Series only); 45=±50ppm Max.; 00=±100ppm Max. (Standard)
- **Package Configuration**: Blank=Full Size 14-Pin DIP, HS=Half Size 8-Pin DIP, SJ=J Leads SMT
- **Operating Temp. Range**: Blank=0°C to 70°C (Standard), ET=40°C to 85°C
- **Duty Cycle**: Blank=50±10(%)(Standard), T=50±5(%)
- **Pin 1 Connection**: TS=Tri-State Enable High, PD=Power Down (EP Series only)
- **Frequency**

e specify frequency range in MHZ.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Frequency Range (MHz)	Logic Type	Volt.	Stability (ppm)	Pin 1	Temperature Range (C°)	Price Each 1	5	10	25	50
Ultraminiature Ceramic SMT												
EH3600TS	A	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	23.83	15.27	12.49	8.33	7.22
EH3600ETTS	A	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	26.39	16.91	13.84	9.22	7.99
EH3500TS	A	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-20 to +70	23.83	15.27	12.49	8.33	7.22
EH3500ETTS	A	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-40 to +85	26.39	16.91	13.84	9.22	7.99
EP3600TS	A	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	32.03	20.52	16.79	11.19	9.70
EP3600ETTS	A	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	35.32	22.63	18.52	12.34	10.70
EP3600PD	A	1.000 to 107.000	HCMOS	3.3	100	PD	-20 to +70	32.03	20.52	16.79	11.19	9.70
EP3600ETPD	A	1.000 to 107.000	HCMOS	3.3	100	PD	-40 to +85	35.32	22.63	18.52	12.34	10.70
EP3500TSC	A	1.000 to 107.000	HCMOS	5.0	100	TS	-20 to +70	32.03	20.52	16.79	11.19	9.70
EP3500TSL	A	1.000 to 107.000	TTL	5.0	100	TS	-20 to +70	32.03	20.52	16.79	11.19	9.70
EP3500ETTSC	A	1.000 to 107.000	HCMOS	5.0	100	TS	-40 to +85	35.32	22.63	18.52	12.34	10.70
EP3500ETTSL	A	1.000 to 107.000	TTL	5.0	100	TS	-40 to +85	35.32	22.63	18.52	12.34	10.70
EP3500PDC	A	1.000 to 107.000	HCMOS	5.0	100	PD	-20 to +70	32.03	20.52	16.79	11.19	9.70
EP3500PDL	A	1.000 to 107.000	TTL	5.0	100	PD	-20 to +70	32.03	20.52	16.79	11.19	9.70
EP3500ETPDC	A	1.000 to 107.000	HCMOS	5.0	100	PD	-40 to +85	35.32	22.63	18.52	12.34	10.70
EP3500ETPDL	A	1.000 to 107.000	TTL	5.0	100	PD	-40 to +85	35.32	22.63	18.52	12.34	10.70
Ceramic SMT												
EH2600TS	B	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	13.62	8.72	7.14	4.76	4.12
EH2600ETTS	B	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	15.07	9.65	7.90	5.27	4.56
EH2500TS	B	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-20 to +70	13.62	8.72	7.14	4.76	4.12
EH2500ETTS	B	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-40 to +85	15.07	9.65	7.90	5.27	4.56
EP2600TS	B	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	16.49	10.57	8.65	5.76	5.00
EP2600ETTS	B	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	18.19	11.65	9.54	6.36	5.51
EP2600PD	B	1.000 to 107.000	HCMOS	3.3	100	PD	-20 to +70	16.49	10.57	8.65	5.76	5.00
EP2600ETPD	B	1.000 to 107.000	HCMOS	3.3	100	PD	-40 to +85	18.19	11.65	9.54	6.36	5.51
EP2500TSC	B	1.000 to 107.000	HCMOS	5.0	100	TS	-20 to +70	16.52	10.58	8.66	5.77	5.00
EP2500TSL	B	1.000 to 107.000	TTL	5.0	100	TS	-20 to +70	16.52	10.58	8.66	5.77	5.00
EP2500ETTSC	B	1.000 to 107.000	HCMOS	5.0	100	TS	-40 to +85	18.19	11.65	9.54	6.36	5.51
EP2500ETTSL	B	1.000 to 107.000	TTL	5.0	100	TS	-40 to +85	18.19	11.65	9.54	6.36	5.51
EP2500PDC	B	1.000 to 107.000	HCMOS	5.0	100	PD	-20 to +70	16.52	10.58	8.66	5.77	5.00
EP2500PDL	B	1.000 to 107.000	TTL	5.0	100	PD	-20 to +70	16.52	10.58	8.66	5.77	5.00
EP2500ETPDC	B	1.000 to 107.000	HCMOS	5.0	100	PD	-40 to +85	18.19	11.65	9.54	6.36	5.51
EP2500ETPDL	B	1.000 to 107.000	TTL	5.0	100	PD	-40 to +85	18.19	11.65	9.54	6.36	5.51
tic J Lead SMT												
EH1500SJTS	C	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	12.44	7.97	6.52	4.35	3.77
EH1500SJETTS	C	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	13.67	8.76	7.17	4.78	4.14
EH1400SJTS	C	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-20 to +70	12.44	7.97	6.52	4.35	3.77
EH1400SJETTS	C	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-40 to +85	13.67	8.76	7.17	4.78	4.14
EP1500SJTS	C	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	15.07	9.65	7.90	5.27	4.56
EP1500SJETTS	C	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	16.57	10.62	8.69	5.79	5.02
EP1500SJPD	C	1.000 to 107.000	HCMOS	3.3	100	PD	-20 to +70	15.07	9.65	7.90	5.27	4.56
EP1500SJETPD	C	1.000 to 107.000	HCMOS	3.3	100	PD	-40 to +85	16.57	10.62	8.69	5.79	5.02
EP1400SJTSC	C	1.000 to 107.000	HCMOS	5.0	100	TS	-20 to +70	15.07	9.65	7.90	5.27	4.56
EP1400SJTSL	C	1.000 to 107.000	TTL	5.0	100	TS	-20 to +70	15.07	9.65	7.90	5.27	4.56
EP1400SJETTSC	C	1.000 to 107.000	HCMOS	5.0	100	TS	-40 to +85	16.57	10.62	8.69	5.79	5.02
EP1400SJETTSL	C	1.000 to 107.000	TTL	5.0	100	TS	-40 to +85	16.57	10.62	8.69	5.79	5.02
EP1400SJPDC	C	1.000 to 107.000	HCMOS	5.0	100	PD	-20 to +70	15.07	9.65	7.90	5.27	4.56
EP1400SJPDL	C	1.000 to 107.000	TTL	5.0	100	PD	-20 to +70	15.07	9.65	7.90	5.27	4.56
EP1400SJETPDC	C	1.000 to 107.000	HCMOS	5.0	100	PD	-40 to +85	16.57	10.62	8.69	5.79	5.02
EP1400SJETPDL	C	1.000 to 107.000	TTL	5.0	100	PD	-40 to +85	16.57	10.62	8.69	5.79	5.02
n DIP		• Aries Socket for an 8 Pin DIP Oscillator is Mouser Part No. 535-1108800										
EH1300HSTS	D	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	13.76	8.66	7.94	5.77	4.62
EH1300HSETTS	D	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	15.13	9.52	8.72	6.34	5.08
EH1100HSTS	D	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-20 to +70	13.76	8.66	7.94	5.77	4.62
EH1100HSETTS	D	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-40 to +85	15.13	9.52	8.72	6.34	5.08
EP1300HSTS	D	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	15.81	9.95	9.12	6.63	5.30
EP1300HSETTS	D	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	17.42	10.96	10.05	7.31	5.84
EP1300HSPD	D	1.000 to 107.000	HCMOS	3.3	100	PD	-20 to +70	15.81	9.95	9.12	6.63	5.30
EP1300HSETPD	D	1.000 to 107.000	HCMOS	3.3	100	PD	-40 to +85	17.42	10.96	10.05	7.31	5.84
EP1100HSTSC	D	1.000 to 107.000	HCMOS	5.0	100	TS	-20 to +70	15.81	9.95	9.12	6.63	5.30
EP1100HSTSL	D	1.000 to 107.000	TTL	5.0	100	TS	-20 to +70	15.81	9.95	9.12	6.63	5.30
EP1100HSETTSC	D	1.000 to 107.000	HCMOS	5.0	100	TS	-40 to +85	17.42	10.96	10.05	7.31	5.84
EP1100HSETTSL	D	1.000 to 107.000	TTL	5.0	100	TS	-40 to +85	17.42	10.96	10.05	7.31	5.84
EP1100HSPDC	D	1.000 to 107.000	HCMOS	5.0	100	PD	-20 to +70	15.81	9.95	9.12	6.63	5.30
EP1100HSPDL	D	1.000 to 107.000	TTL	5.0	100	PD	-20 to +70	15.81	9.95	9.12	6.63	5.30
EP1100HSETPDC	D	1.000 to 107.000	HCMOS	5.0	100	PD	-40 to +85	17.42	10.96	10.05	7.31	5.84
EP1100HSETPDL	D	1.000 to 107.000	TTL	5.0	100	PD	-40 to +85	17.42	10.96	10.05	7.31	5.84
in DIP		• Aries Socket for a 14 Pin DIP Oscillator is Mouser Part No. 535-1107741										
EH1300TS	E	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	13.76	8.66	7.94	5.77	4.62
EH1300ETTS	E	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	15.13	9.52	8.72	6.34	5.08
EH1100TS	E	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-20 to +70	13.76	8.66	7.94	5.77	4.62
EH1100ETTS	E	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-40 to +85	15.13	9.52	8.72	6.34	5.08
EP1300TS	E	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	15.81	9.95	9.12	6.63	5.30
EP1300ETTS	E	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	17.42	10.96	10.05	7.31	5.84
EP1300PD	E	1.000 to 107.000	HCMOS	3.3	100	PD	-20 to +70	15.81	9.95	9.12	6.63	5.30
EP1300ETPD	E	1.000 to 107.000	HCMOS	3.3	100	PD	-40 to +85	17.42	10.96	10.05	7.31	5.84
EP1100TSC	E	1.000 to 107.000	HCMOS	5.0	100	TS	-20 to +70	15.81	9.95	9.12	6.63	5.30
EP1100TSL	E	1.000 to 107.000	TTL	5.0	100	TS	-20 to +70	15.81	9.95	9.12	6.63	5.30
EP1100ETTSC	E	1.000 to 107.000	HCMOS	5.0	100	TS	-40 to +85	17.42	10.96	10.05	7.31	5.84
EP1100ETTSL	E	1.000 to 107.000	TTL	5.0	100	TS	-40 to +85	17.42	10.96	10.05	7.31	5.84
EP1100PDC	E	1.000 to 107.000	HCMOS	5.0	100	PD	-20 to +70	15.81	9.95	9.12	6.63	5.30
EP1100PDL	E	1.000 to 107.000	TTL	5.0	100	PD	-20 to +70	15.81	9.95	9.12	6.63	5.30
EP1100ETPDC	E	1.000 to 107.000	HCMOS	5.0	100	PD	-40 to +85	17.42	10.96	10.05	7.31	5.84
EP1100ETPDL	E	1.000 to 107.000	TTL	5.0	100	PD	-40 to +85	17.42	10.96	10.05	7.31	5.84

DIMENSIONS (mm)

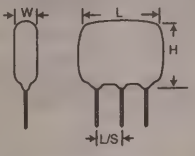


ZTT SERIES CERAMIC RESONATORS

The ZTT Series ceramic resonator offers wide frequency range and extended temperature range capabilities with built-in load capacitance.

Specifications:
- Operating temp.: -20°C to +80°C
- Frequency accuracy (@25°C): ±0.5%
- Aging for 10 years: ±0.3%

Features:
- Low profile
- Wide frequency range
- Extended temperature range
- High stability
- Built-in load capacitance



DIMENSIONS (mm)

For quantities of 500 and up, call for quote.

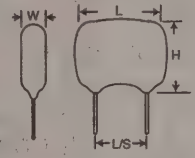
MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Load Cap.	Dimensions W	L	H	L/S	Price Each 1	10	100
520-ZTT358MG	ZTT-3.58MG	3.580000	30pf	5	10	7.5	2.5	.40	.36	.32
520-ZTT400MG	ZTT-4.00MG	4.000000	30pf	5	10	7.5	2.5	.40	.36	.32
520-ZTT600MT	ZTT-6.00MT	6.000000	30pf	5	10	10	2.5	.40	.36	.32
520-ZTT800MT	ZTT-8.00MT	8.000000	30pf	5	10	10	2.5	.40	.36	.32
520-ZTT1000MT	ZTT-10.00MT	10.000000	30pf	5	10	10	2.5	.40	.36	.32
520-ZTT1200MT	ZTT-12.00MT	12.000000	30pf	5	10	10	2.5	.40	.36	.32
520-ZTT1600MX	ZTT-16.00MX	16.000000	30pf	5	10	10	2.5	.40	.36	.32
520-ZTT2000MX	ZTT-20.00MX	20.000000	30pf	5	10	10	2.5	.40	.36	.32

ECS INC. ZTA SERIES CERAMIC RESONATORS

The ZTA Series ceramic resonator offers wide frequency range and extended temperature range capabilities.

Specifications:
- Operating temp.: -20°C to +80°C
- Frequency accuracy (@25°C): ±0.5%
- Aging for 10 years: ±0.3%

Features:
- Low profile
- Wide frequency range
- Extended temperature range
- High stability



DIMENSIONS (mm)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Dimensions W	L	H	L/S	Price Each 1	10	100
520-ZTA358MG	ZTA-3.58MG	3.580000	5	10	7.5	5	.36	.32	.29
520-ZTA400MG	ZTA-4.00MG	4.000000	5	10	7.5	5	.36	.32	.29
520-ZTA600MT	ZTA-6.00MT	6.000000	5	10	10	5	.36	.32	.29
520-ZTA800MT	ZTA-8.00MT	8.000000	5	10	10	5	.36	.32	.29
520-ZTA1000MT	ZTA-10.00MT	10.000000	5	10	10	5	.36	.32	.29
520-ZTA1200MT	ZTA-12.00MT	12.000000	5	10	10	5	.36	.32	.29
520-ZTA1600MX	ZTA-16.00MX	16.000000	5	10	10	5	.36	.32	.29
520-ZTA2000MX	ZTA-20.00MX	20.000000	5	10	10	5	.36	.32	.29

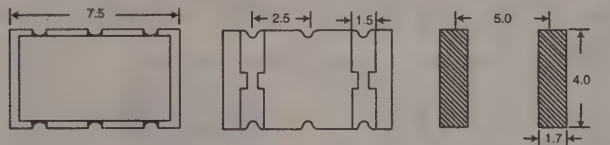
ECS INC. ECS-SR1-A SERIES SMD CERAMIC RESONATORS

The ECS-SR-A SMD ceramic resonator is an excellent low cost frequency control solution when absolute frequency accuracy is not important.

Specifications:
- Operating temp.: -20°C to +80°C
- Frequency accuracy (@25°C): ±0.5%
- Aging for 10 years: ±0.3%

Features:
- Low profile
- Wide frequency range
- Extended temperature range
- Height: 1.8 max.

DIMENSIONS (mm)

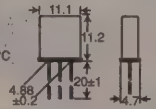


For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Resonant Resistance	Price Each 1	10	100
520-ECS-SR1-3.58A	ECS-SR1-3.58-A	3.58	40	.68	.60	.45
520-ECS-SR1-4.00A	ECS-SR1-4.00-A	4.00	40	.68	.60	.45
520-ECS-SR1-4.19A	ECS-SR1-4.19-A	4.19	40	.68	.60	.45
520-ECS-SR1-6.00A	ECS-SR1-6.00-A	6.00	40	.68	.60	.45
520-ECS-SR1-8.00A	ECS-SR1-8.00-A	8.00	40	.68	.60	.45

ECS INC. 10.7 MHZ MONOLYTHIC CRYSTAL FILTERS

Specifications:
- Operating temp.: -20°C to +70°C
- Center Frequency: 10.7 MHz



DIMENSIONS (mm)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	No. of Poles	Pass Band 3dB min. (kHz)	Ripple Max. (dB)	Insertion Loss Max. (dB)	Price Each 1	10	100
520-107-7.5A	ECS-10.7-7.5A	2	± 3.75	0.5	1.5	3.20	2.88	2.72
520-107-7.5B	ECS-10.7-7.5B	4	± 3.75	1.0	2.5	7.40	6.66	6.29
520-107-15A	ECS-10.7-15A	2	± 7.5	0.5	2.0	1.90	1.71	1.62
520-107-15B	ECS-10.7-15B	4	± 7.5	1.0	2.5	3.90	3.51	3.32

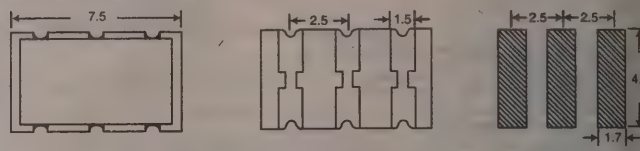
ECS INC. ECS-SR-B SERIES SMD CERAMIC RESONATORS

The ECS-SR-B Series SMD ceramic resonator includes a built in capacitor for simplification of oscillator circuits reduces component count. The SMD ceramic resonator is an excellent low cost frequency control solution when absolute frequency accuracy is not important.

Specifications:
- Operating temp.: -20°C to +80°C
- Frequency accuracy (@25°C): ±0.5%
- Aging for 10 years: ±0.3%

Features:
- Low profile
- Wide frequency range
- Extended temperature range
- Built-in load capacitance
- Height: 2.2 max.

DIMENSIONS (mm)



For quantities of 500 and up, call for qu

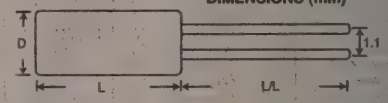
MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Load Cap.	Resonant Resistance	Price Each 1	10	10
520-ECS-SR1-3.58B	ECS-SR1-3.58-B	3.58	30pf	40	.72	.64	.4
520-ECS-SR1-4.00B	ECS-SR1-4.00-B	4.00	30pf	40	.72	.64	.4
520-ECS-SR1-4.19B	ECS-SR1-4.19-B	4.19	30pf	40	.72	.64	.4
520-ECS-SR1-6.00B	ECS-SR1-6.00-B	6.00	30pf	40	.72	.64	.4
520-ECS-SR1-8.00B	ECS-SR1-8.00-B	8.00	30pf	40	.72	.64	.4

ECS INC. CYLINDER TYPE CRYSTALS

This product represents our selection of miniature tubular high frequency crystals. They feature outstanding shock/vibration resistance and environmental characteristics.

Features:
- Cost effective
- Excellent aging
- Load Cap.: 18pf
- Lead length: .394 in.
- Wide frequency range
- Excellent reliability

DIMENSIONS (mm)



For quantities of 500 and up, call for qu

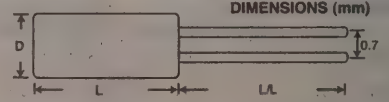
MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Dimensions D	L	L/L	Price Each 1	10	1
520-ECS-357-18-10	ECS-35-18-10	3.579545	3.2	10.5	10	.58	.53	
520-ECS-368-18-10	ECS-36-18-10	3.686400	3.2	10.5	10	.58	.53	
520-ECS-400-18-10	ECS-40-18-10	4.000000	3.2	10.5	10	.58	.53	
520-ECS-491-18-10	ECS-49-18-9	4.915200	3.2	10.5	10	.58	.53	
520-ECS-600-18-10	ECS-60-18-9	6.000000	3.2	10.5	10	.58	.53	
520-ECS-737-18-10	ECS-73-18-9	7.372800	3.2	10.5	10	.58	.53	
520-ECS-800-18-10	ECS-80-18-9	8.000000	3.2	10.5	10	.58	.53	
520-ECS-819-18-9	ECS-81-18-9	8.192000	3.2	9	10	.58	.53	
520-ECS-1000-18-9	ECS-100-18-9	10.000000	3.2	9	10	.58	.53	
520-ECS-1105-18-9	ECS-110.5-18-9	11.059000	3.2	9	10	.58	.53	
520-ECS-1200-18-9	ECS-120-18-9	12.000000	3.2	9	10	.58	.53	
520-ECS-1431-18-9	ECS-143-18-9	14.318180	3.2	9	10	.58	.53	
520-ECS-1474-18-9	ECS-147-18-9	14.745600	3.2	9	10	.58	.53	
520-ECS-1600-18-9	ECS-160-18-9	16.000000	3.2	9	10	.58	.53	
520-ECS-1843-18-9	ECS-184-18-9	18.432000	3.2	9	10	.58	.53	
520-ECS-2000-18-9	ECS-200-18-9	20.000000	3.2	9	10	.58	.53	
520-ECS-2457-18-9	ECS-245-18-9	24.576000	3.2	9	10	.58	.53	
520-ECS-2500-18-9	ECS-250-18-9	25.000000	3.2	9	10	.58	.53	
520-ECS-2700-18-9	ECS-270-18-9	27.000000	3.2	9	10	.58	.53	
520-ECS-3200-18-9	ECS-320-18-9	32.000000	3.2	9	10	.58	.53	
520-ECS-3276-18-9	ECS-327-18-9	32.768000	3.2	9	10	.58	.53	
520-ECS-4000-18-10	ECS-400-18-9	40.000000	3.2	10.5	10	.58	.53	
520-ECS-5000-18-9	ECS-500-18-9	50.000000	3.2	9	10	.58	.53	
520-ECS-6000-18-9	ECS-600-18-9	60.000000	3.2	9	10	.58	.53	
520-ECS-6666-18-9	ECS-666-18-9	66.666000	3.2	9	10	.58	.53	

ECS INC. ECS-31 2X6 SERIES LOW FREQUENCY QUARTZ CRYSTALS

The ECS-31 Series features the same characteristics as the only tuning fork crystals offer. Because of their miniature size they are ideal for portable and communication equipment applications.

Features:
- Miniature size
- Cost effective
- Lead length: .394 in.
- Long term stability
- Load Cap.: 12.5pf

DIMENSIONS (mm)



For quantities of 500 and up, call for q

MOUSER STOCK NO.	ECS Part No.	Freq. (KHz)	Dimensions D	L	L/L	Price Each 1	10	1
520-ECS-32-12.5-13	ECS-.320-12.5-13	32	2.1	6.2	10	.66	.60	
520-ECS-40-12.5-13	ECS-.400-12.5-13	40	2.1	6.2	10	.66	.60	
520-ECS-60-12.5-13	ECS-.600-12.5-13	60	2.1	6.2	10	.66	.60	
520-ECS-655-12.5-13	ECS-.655-12.5-13	65.5	2.1	6.2	10	.66	.60	
520-ECS-75-12.5-13	ECS-.750-12.5-13	75	2.1	6.2	10	.66	.60	
520-ECS-100-12.5-13	ECS-1.00-12.5-13	100	2.1	6.2	10	.66	.60	
520-ECS-1536-12.5-13	ECS-1.536-12.5-13	153.6	2.1	6.2	10	.66	.60	

ECS-3951M/3953M SERIES SMD CLOCK OSCILLATORS

Industrial Grade

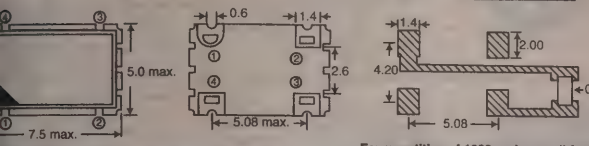
CS-3953M (3.3V) and ECS-3951M (5V). Series are miniature, crystal controlled, low current clock oscillators ramic SMD package. Package is seam welded with a metal lid. The low profile package is ideal for today's ced portable PC and instrumentation designs.

ures:
V or 5.0V version
power consumption
ndby function

Specifications:
- Frequency range: 1.8 to 125 MHz
- Temperature range: Extended -40° to +85°
- Heigth: 1.6 max.

Pin	Connectors
1	Standby
2	GND
3	OUTPUT
4	Vcc

DIMENSIONS (mm)



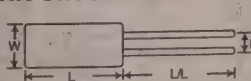
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Stability Tol.	Frequency (MHz)	Price Each 1	10	100	500
Volts Extended Temp.							
3953M-018-BN	ECS-3953M-018-BN	50PPM	1.843200	4.63	4.17	3.70	3.15
3953M-035-BN	ECS-3953M-035-BN	50PPM	3.579545	4.63	4.17	3.70	3.15
3953M-036-BN	ECS-3953M-036-BN	50PPM	3.686400	4.63	4.17	3.70	3.15
3953M-040-BN	ECS-3953M-040BN	50PPM	4.000000	4.63	4.17	3.70	3.15
3953M-080-BN	ECS-3953M-080-BN	50PPM	8.000000	4.63	4.17	3.70	3.15
3953M-100-BN	ECS-3953M-100-BN	50PPM	10.000000	4.63	4.17	3.70	3.15
3953M-120-BN	ECS-3953M-120-BN	50PPM	12.000000	4.63	4.17	3.70	3.15
3953M-160-BN	ECS-3953M-160-BN	50PPM	16.000000	4.63	4.17	3.70	3.15
3953M-200-BN	ECS-3953M-200-BN	50PPM	20.000000	4.63	4.17	3.70	3.15
3953M-240-BN	ECS-3953M-240-BN	50PPM	24.000000	4.63	4.17	3.70	3.15
3953M-250-BN	ECS-3953M-250-BN	50PPM	25.000000	4.63	4.17	3.70	3.15
3953M-320-BN	ECS-3953M-320-BN	50PPM	32.000000	4.63	4.17	3.70	3.15
3953M-400-BN	ECS-3953M-400-BN	50PPM	40.000000	4.63	4.17	3.70	3.15
3953M-500-BN	ECS-3953M-500-BN	50PPM	50.000000	4.63	4.17	3.70	3.15
3953M-666-BN	ECS-3953M-666-BN	50PPM	66.666000	4.63	4.17	3.70	3.15
3953M-800-BN	ECS-3953M-800-BN	50PPM	80.000000	4.63	4.17	3.70	3.15
3953M-1000-BN	ECS-3953M-1000-BN	50PPM	100.000000	4.63	4.17	3.70	3.15
3953M-1250-BN	ECS-3953M-1250-BN	50PPM	125.000000	4.63	4.17	3.70	3.15
lts Extended Temp.							
3951M-018-BN	ECS-3951M-018-BN	50PPM	1.843200	4.63	4.17	3.70	3.15
3951M-035-BN	ECS-3951M-035-BN	50PPM	3.579545	4.63	4.17	3.70	3.15
3951M-036-BN	ECS-3951M-036-BN	50PPM	3.686400	4.63	4.17	3.70	3.15
3951M-040-BN	ECS-3951M-040-BN	50PPM	4.000000	4.63	4.17	3.70	3.15
3951M-080-BN	ECS-3951M-080-BN	50PPM	8.000000	4.63	4.17	3.70	3.15
3951M-100-BN	ECS-3951M-100-BN	50PPM	10.000000	4.63	4.17	3.70	3.15
3951M-120-BN	ECS-3951M-120-BN	50PPM	12.000000	4.63	4.17	3.70	3.15
3951M-160-BN	ECS-3951M-160-BN	50PPM	16.000000	4.63	4.17	3.70	3.15
3951M-200-BN	ECS-3951M-200-BN	50PPM	20.000000	4.63	4.17	3.70	3.15
3951M-240-BN	ECS-3951M-240-BN	50PPM	24.000000	4.63	4.17	3.70	3.15
3951M-250-BN	ECS-3951M-250-BN	50PPM	25.000000	4.63	4.17	3.70	3.15
3951M-320-BN	ECS-3951M-320-BN	50PPM	32.000000	4.63	4.17	3.70	3.15
3951M-400-BN	ECS-3951M-400-BN	50PPM	40.000000	4.63	4.17	3.70	3.15
3951M-500-BN	ECS-3951M-500-BN	50PPM	50.000000	4.63	4.17	3.70	3.15
3951M-666-BN	ECS-3951M-666-BN	50PPM	66.666000	4.63	4.17	3.70	3.15
3951M-800-BN	ECS-3951M-800-BN	50PPM	80.000000	4.63	4.17	3.70	3.15
3951M-1000-BN	ECS-3951M-1000-BN	50PPM	100.000000	4.63	4.17	3.70	3.15

TUNING FORK CRYSTALS

DIMENSIONS (mm)

ifications:
rating temp.: -10°C to +60°C
quency tolerance: ±20ppm



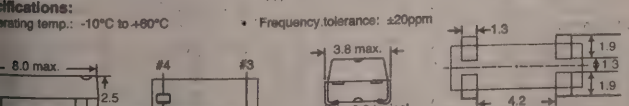
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency	Load Cap.	Dimensions W	L	L/L	L/S	Price Each 1	10	100
-ECS327-6-13	ECS-.327-6-13	32.768kHz	6	2.1	6.2	10	0.7	1.30	1.05	.91
-TFC327	ECS-.327-8-14	32.768 kHz	8	1.5	5.1	4.3	.45	2.63	2.35	1.89
-TFC2X6	ECS-.327-12.5-13	32.768 kHz	12.5	2.1	6.2	10	0.7	.78	.65	.52
-TFC3X8	ECS-.327-12.5-8	32.768 kHz	12.5	3.1	8.2	10	1.1	.30	.27	.21

ECX-306 SMD TUNING FORK CRYSTAL

DIMENSIONS (mm)

ifications:
rating temp.: -10°C to +60°C
- Frequency tolerance: ±20ppm



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (KHz)	Load Capacitance	Price Each 1	10	100
-ECS-327-6-17	ECS-.327-6-17	32.768	6pf	.90	.80	.64
-ECS-327-12.5-17	ECS-.327-12.5-17	32.768	12.5pf	.90	.80	.64

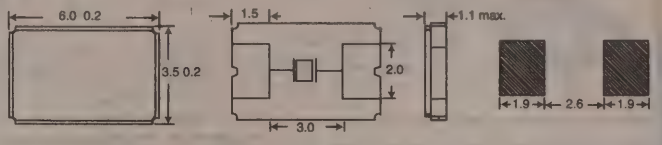
ECS-64A SMD QUARTZ CRYSTALS

The ECX-64A are subminiature SMD crystals with 3.5 x 6mm footprint. The package height measures 1.1mm max., which is ideal for densely populated PCB applications.

Features:
- Compact and low profile
- Glass sealed ceramic package
- Tape and Reel

Specifications:
- Stability: ±50ppm
- Extended Temp.: -40°C to +85°C

DIMENSIONS (mm)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Stability Tol.	Freq. (MHz)	Price Each 1	10	100	500
520-ECS143-20-23A-EN	ECS-143-20-23A-EN	14.318180	20pf	2.94	2.45	2.20	1.96
520-ECS143-S-23A-EN	ECS-143-S-23A-EN	14.318181	Series	2.94	2.45	2.20	1.96
520-ECS147-20-23A-EN	ECS-147.4-20-23A-EN	14.745600	20pf	2.94	2.45	2.20	1.96
520-ECS160-20-23A-EN	ECS-160-20-23A-EN	16.000000	20pf	2.94	2.45	2.20	1.96
520-ECS160-S-23A-EN	ECS-160-S-23A-EN	16.000000	Series	2.94	2.45	2.20	1.96
520-ECS184-20-23A-EN	ECS-184-20-23A-EN	18.432000	20pf	2.94	2.45	2.20	1.96
520-ECS184-S-23A-EN	ECS-184-S-23A-EN	18.432000	Series	2.94	2.45	2.20	1.96
520-ECS196-20-23A-EN	ECS-196.6-20-23A-EN	19.660800	20pf	2.94	2.45	2.20	1.96
520-ECS196-S-23A-EN	ECS-196.6-S-23A-EN	19.660800	Series	2.94	2.45	2.20	1.96
520-ECS200-20-23A-EN	ECS-200-20-23A-EN	20.000000	20pf	2.94	2.45	2.20	1.96
520-ECS200-S-23A-EN	ECS-200-S-23A-EN	20.000000	Series	2.94	2.45	2.20	1.96
520-ECS240-S-23A-EN	ECS-240-S-23A-EN	24.000000	Series	2.94	2.45	2.20	1.96

ECS-327SMO SMD CLOCK OSCILLATOR

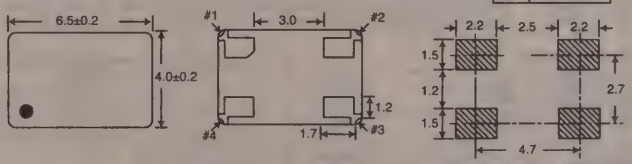
The ECS-327SMO oscillator utilizes the 32.768 KHz tuning fork crystal in a SMD ceramic package. It is designed specifically for wireless PCMCIA and portable communication equipment applications.

Features:
- 2.0mm low profile
- SMD version
- 3.3V input voltage
- Tape and Reel

Specifications:
- Operating Temperature: -10° to +60°
- Frequency Stability: -60ppm/-30ppm
- Height: 2.0 max.

DIMENSIONS (mm)

Pin	Connectors
1	NC
2	GND
3	OUTPUT
4	Vcc



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (KHz)	Voltage	Price Each 1	10	100	500
520-ECS-327SMO	ECS-327SMO	32.768	3.3	6.65	5.43	4.90	4.55

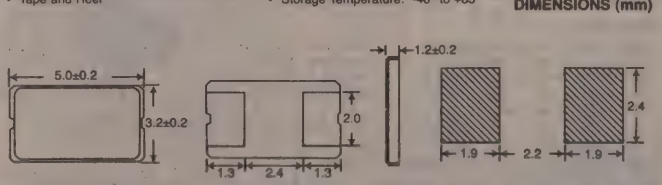
ECX-53 SMD QUARTZ CRYSTAL

The ECX-53 is our smallest sub miniature SMD crystals with a 3.2 x 5mm footprint. This package is ideal for today's compact wireless applications where board space is critical.

Features:
- Compact and low profile
- Glass sealed ceramic package
- Tape and Reel

Specifications:
- Frequency stability: ± 50ppm
- Operating Temperature: -10° to +60°
- Storage Temperature: -40° to +85°

DIMENSIONS (mm)



For quantities of 1000 and up, call for quote.

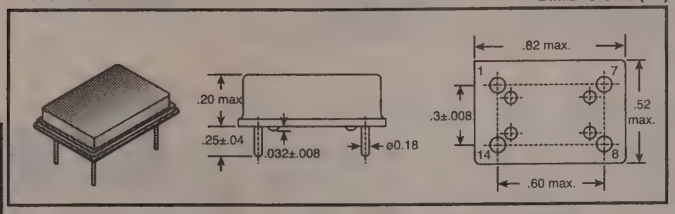
MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Load Cap.	Price Each 1	10	100	500
520-ECS-143-20-30	ECS-143-20-30	14.318180	20pf	2.20	1.98	1.76	1.54
520-ECS-147-20-30	ECS-147.4-20-30	14.745600	20pf	2.20	1.98	1.76	1.54
520-ECS-160-20-30	ECS-160-20-30	16.000000	20pf	2.20	1.98	1.76	1.54
520-ECS-184-20-30	ECS-184-20-30	18.432000	20pf	2.20	1.98	1.76	1.54
520-ECS-196-20-30	ECS-196.6-20-30	19.660800	20pf	2.20	1.98	1.76	1.54
520-ECS-200-20-30	ECS-200-20-30	20.000000	20pf	2.20	1.98	1.76	1.54
520-ECS-240-20-30	ECS-240-20-30	24.000000	20pf	2.20	1.98	1.76	1.54

ECS INC. INTERNATIONAL FULL SIZE (TTL/HCMOS) CLOCK OSCILLATORS

Specifications:

- Frequency stability: ±100ppm max.
- Supply voltage: +5.0 ±0.25
- Operating Temp.: 0°C to +70°C
- Storage Temp: -55°C to +125C
- Output Load: TTL: 10 TTL max.

DIMENSIONS (IN.)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Price Each 1	10	100	500
520-TCF100	ECS-100A-1.0MHZ	1.000000	1.50	1.35	1.20	1.05
520-TCF122	ECS-100A-1.2288MHZ	1.228800	1.50	1.35	1.20	1.05
520-TCF200	ECS-100A-2.0MHZ	2.000000	1.50	1.35	1.20	1.05
520-TCF357	ECS-100A-3.579545MHZ	3.579545	1.50	1.35	1.20	1.05
520-TCF368	ECS-100A-3.6864MHZ	3.686400	1.50	1.35	1.20	1.05
520-TCF400	ECS-100A-4.0MHZ	4.000000	1.50	1.35	1.20	1.05
520-TCF491	ECS-100A-4.9152MHZ	4.915200	1.50	1.35	1.20	1.05
520-TCF500	ECS-100A-5.0MHZ	5.000000	1.50	1.35	1.20	1.05
520-TCF506	ECS-100A-5.0688MHZ	5.068800	1.50	1.35	1.20	1.05
520-TCF600	ECS-100A-6.0MHZ	6.000000	1.50	1.35	1.20	1.05
520-TCF614	ECS-100A-6.144MHZ	6.144000	1.50	1.35	1.20	1.05
520-TCF737	ECS-100A-7.3728MHZ	7.372800	1.50	1.35	1.20	1.05
520-TCF800	ECS-100A-8.0MHZ	8.000000	1.50	1.35	1.20	1.05
520-TCF921	ECS-100A-9.216MHZ	9.216000	1.50	1.35	1.20	1.05
520-TCF983	ECS-100A-9.8304MHZ	9.830400	1.50	1.35	1.20	1.05
520-TCF1000	ECS-100A-10.0MHZ	10.000000	1.50	1.35	1.20	1.05
520-TCF1105	ECS-100A-11.0592MHZ	11.059200	1.50	1.35	1.20	1.05
520-TCF1431	ECS-100A-14.31818MHZ	14.318180	1.50	1.35	1.20	1.05
520-TCF1600	ECS-100A-16.0MHZ	16.000000	1.50	1.35	1.20	1.05
520-TCF1800	ECS-100A-18.0MHZ	18.000000	1.50	1.35	1.20	1.05
520-TCF1843	ECS-100A-18.432MHZ	18.432000	1.50	1.35	1.20	1.05
520-TCF1966	ECS-100A-19.6608MHZ	19.660800	1.50	1.35	1.20	1.05
520-TCF2000	ECS-100A-20.000MHZ	20.000000	1.50	1.35	1.20	1.05
520-TCF2400	ECS-100A-24.0MHZ	24.000000	1.50	1.35	1.20	1.05
520-TCF2500	ECS-100A-25.0MHZ	25.000000	1.50	1.35	1.20	1.05
520-TCF2832	ECS-100A-28.322MHZ	28.322000	1.50	1.35	1.20	1.05
520-TCF3000	ECS-100A-30.0MHZ	30.000000	1.50	1.35	1.20	1.05
520-TCF3500	ECS-100A-35.0MHZ	35.000000	1.50	1.35	1.20	1.05
520-TCF4000	ECS-100A-40.0MHZ	40.000000	1.50	1.35	1.20	1.05
520-TCF5000	ECS-100A-50.0MHZ	50.000000	1.50	1.35	1.20	1.05
520-TCF6666	ECS-100A-66.666MHZ	66.666000	1.50	1.35	1.20	1.05

Aries Sockets

For quantities of 1000 and up, call for quote.

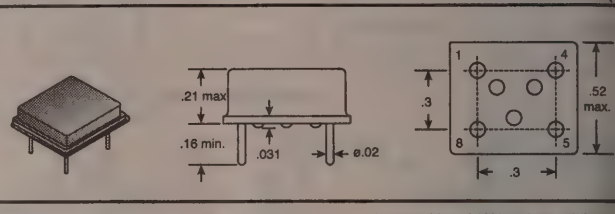
MOUSER STOCK NO.	Aries Part No.	Description	Price Each 1	10	100	500
535-1107741	1107741	Full size socket	.53	.48	.41	.36

ECS INC. INTERNATIONAL HALF SIZE (TTL/HCMOS) CLOCK OSCILLATORS

Specifications:

- Frequency stability: ±100ppm max.
- Supply voltage: +5.0 ± 0.25
- Operating Temp.: 0°C to +70°C
- Storage Temp: -55°C to +125°C
- Output Load: TTL: 10 TTL max. HCMOS: 50pf

DIMENSIONS (



For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Price Each 1	10	100	50
520-TCH100	ECS-2100A-1.0MHZ	1.000000	1.70	1.53	1.36	1.1
520-TCH122	ECS-2100A-1.2288MHZ	1.228800	1.70	1.53	1.36	1.1
520-TCH184	ECS-2100A-1.8432MHZ	1.843200	1.70	1.53	1.36	1.1
520-TCH200	ECS-2100A-2.0MHZ	2.000000	1.70	1.53	1.36	1.1
520-TCH357	ECS-2100A-3.579545MHZ	3.579545	1.70	1.53	1.36	1.1
520-TCH368	ECS-2100A-3.6864MHZ	3.686400	1.70	1.53	1.36	1.1
520-TCH400	ECS-2100A-4.0MHZ	4.000000	1.70	1.53	1.36	1.1
520-TCH506	ECS-2100A-5.0688MHZ	5.068800	1.70	1.53	1.36	1.1
520-TCH600	ECS-2100A-6.0MHZ	6.000000	1.70	1.53	1.36	1.1
520-TCH614	ECS-2100A-6.144MHZ	6.144000	1.70	1.53	1.36	1.1
520-TCH800	ECS-2100A-8.0MHZ	8.000000	1.70	1.53	1.36	1.1
520-TCH921	ECS-2100A-9.216MHZ	9.216000	1.70	1.53	1.36	1.1
520-TCH983	ECS-2100A-9.8304MHZ	9.830400	1.70	1.53	1.36	1.1
520-TCH1000	ECS-2100A-10.0MHZ	10.000000	1.70	1.53	1.36	1.1
520-TCH1105	ECS-2100A-11.0592MHZ	11.059200	1.70	1.53	1.36	1.1
520-TCH1200	ECS-2100A-12.0MHZ	12.000000	1.70	1.53	1.36	1.1
520-TCH1431	ECS-2100A-14.31818MHZ	14.318180	1.70	1.53	1.36	1.1
520-TCH1600	ECS-2100A-16.0MHZ	16.000000	1.70	1.53	1.36	1.1
520-TCH1625	ECS-2100A-16.257MHZ	16.257000	1.70	1.53	1.36	1.1
520-TCH1800	ECS-2100A-18.0MHZ	18.000000	1.70	1.53	1.36	1.1
520-TCH1843	ECS-2100A-18.432MHZ	18.432000	1.70	1.53	1.36	1.1
520-TCH1966	ECS-2100A-19.6608MHZ	19.660800	1.70	1.53	1.36	1.1
520-TCH2000	ECS-2100A-20.0MHZ	20.000000	1.70	1.53	1.36	1.1
520-TCH2500	ECS-2100A-25.0MHZ	25.000000	1.70	1.53	1.36	1.1
520-TCH2832	ECS-2100A-28.322MHZ	28.322000	1.70	1.53	1.36	1.1
520-TCH3000	ECS-2100A-30.0MHZ	30.000000	1.70	1.53	1.36	1.1
520-TCH3200	ECS-2100A-32.0MHZ	32.000000	1.70	1.53	1.36	1.1
520-TCH4000	ECS-2100A-40.0MHZ	40.000000	1.70	1.53	1.36	1.1
520-TCH4800	ECS-2100A-48.0MHZ	48.000000	1.70	1.53	1.36	1.1
520-TCH6400	ECS-2100A-64.0MHZ	64.000000	1.70	1.53	1.36	1.1
520-TCH6666	ECS-2100A-66.666MHZ	66.666000	1.70	1.53	1.36	1.1

Aries Sockets

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Aries Part No.	Description	Price Each 1	10	100	5
535-1108800	1108800	Half size socket	.53	.48	.41	.3

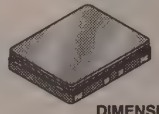
ECS INC. INTERNATIONAL VC-TXO-35SM CLOCK OSCILLATORS

Specifications:

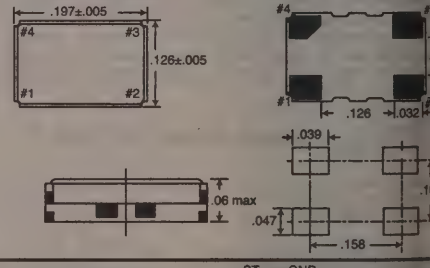
- Frequency Range: 12.00MHz to 26.00MHz
- Frequency Stability: ± 2.5ppm
- Operating Temp: -30°C to +75°C

Features:

- Highly stable output
- Wide temperature range
- Voltage control function



DIMENSIONS (IN.)



For quantities of 1000 and up, call for quote.

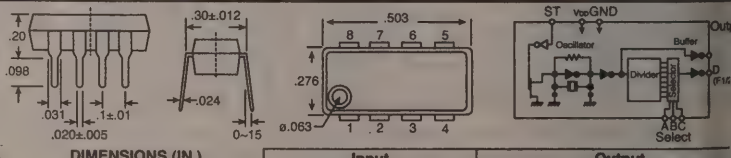
MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Price Each 1	10	100	500
520-VCTXO35SM-128-B	ECS-VC-TXO-35SM-128-B	12.8	17.33	14.85	9.50	6.79
520-VCTXO35SM-168-B	ECS-VC-TXO-35SM-168-B	16.8	17.33	14.85	9.50	6.79
520-VCTXO35SM-194-B	ECS-VC-TXO-35SM-194-B	19.44	17.33	14.85	9.50	6.79

Pad Connection	
1	Vcontrol
2	GND
3	Output
4	Vcc

ECS INC. INTERNATIONAL DUAL OUTPUT CLOCK OSCILLATORS

Specifications:

- Supply current: 20mA max. @ 25°C
- Operating temperature: -10°C to +70°C
- Rise and Fall Time: 10nS typ/15nS max.
- Symmetry: 50±10%
- Input current: 35mA max.
- Output Load: 15pf or LS-TTL.
- Start up time: 1.5mS
- Frequency Stability: ±100ppm
- Current consumption: ±1mA



DIMENSIONS (IN.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Price Each 1	10	100	500
520-DCO1200	ECS-300C-12.000	12.000000	3.17	2.97	2.87	2.77
520-DCO1228	ECS-300C-12.288	12.288000	3.17	2.97	2.87	2.77
520-DCO1280	ECS-300C-12.800	12.800000	3.17	2.97	2.87	2.77
520-DCO1431	ECS-300C-14.31818	14.318180	3.17	2.97	2.87	2.77
520-DCO1474	ECS-300C-14.7456	14.745600	3.17	2.97	2.87	2.77
520-DCO1600	ECS-300C-16.0001	6.000000	3.17	2.97	2.87	2.77
520-DCO1638	ECS-300C-16.3841	6.384000	3.17	2.97	2.87	2.77
520-DCO1773	ECS-300C-17.734475	17.734475	3.17	2.97	2.87	2.77
520-DCO1843	ECS-300C-18.4321	8.432000	3.17	2.97	2.87	2.77
520-DCO1966	ECS-300C-19.6608	19.660800	3.17	2.97	2.87	2.77
520-DCO2000	ECS-300C-20.000	20.000000	3.17	2.97	2.87	2.77
520-DCO2400	ECS-300C-24.000	24.000000	3.17	2.97	2.87	2.77

Pin Connection	
1	Output
2	Dividing Ratio
3	Standby
4	GND
5	A (Programming)
6	B (Programming)
7	C (Programming)
8	VDD (5V)

Input Select C	B	A	ST	Output F (Original Freq.)	D (Divided Wavefo
x	x	x	L	L	L
L	L	L	H	fo clock	fo 2 clock
L	L	H	H	fo clock	fo 1/2² clock
L	H	L	H	fo clock	fo 1/2³ clock
L	H	H	H	fo clock	fo 1/2⁴ clock
H	L	L	H	fo clock	fo 1/2⁵ clock
H	L	H	H	fo clock	fo 1/2⁶ clock
H	H	L	H	fo clock	fo 1/2⁷ clock
H	H	H	H	fo clock	fo 1/2⁸ clock

MOUSER ELECTRONICS a tti company (800) 346-6873

ECS INC. INTERNATIONAL

HC-49U/US BASE INSULATOR, 49/U & HC-49/US

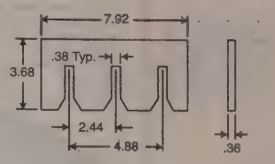
- ency Tolerance: ±30 ppm
- t Capacitance: 7.0pF
- l Capacitance: specified or series
- rating Temperature Range: -10°C to +70°C
- ge Temperature: -30°C to +85°C
- effective
- llent aging
- frequency range
- llent reliability

9U/US Base Insulator

For quantities of 1000 and up, call for quote.

OUSER CK NO.	ECS Part Number	Price Each 1	10	100	500
700-9001	700-9001	.09	.075	.06	.054

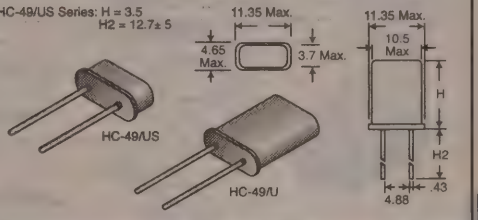
DIMENSIONS: mm



HC-49U/US Base Insulator

DIMENSIONS: (mm)

HC-49/U Series: H = 13.46
H2 = 12.7 (Opt. 20)
HC-49/US Series: H = 3.5
H2 = 12.7± 5



This product represents our selection of low profile resistance weld type quartz crystals.

9/U

This product represents our selection of standard resistance weld type quartz crystals.

- "AT" cut crystal

For quantities of 1000 and up, call for quote.

OUSER OCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each 1	10	100	500
HCA100-13	ECS-10-13-1	1.000000	13pf	11.20	10.00	8.96	8.40
HCA184-S	ECS-18-S-1	1.843200	Series	1.20	1.08	.96	.84
HCA184-13	ECS-18-13-1	1.843200	13pf	1.20	1.08	.96	.84
HCA200-S	ECS-20-S-1	2.000000	Series	1.20	1.08	.96	.84
HCA200-20	ECS-20-20-1	2.000000	20pf	1.20	1.08	.96	.84
HCA204-12	ECS-20.48-12-1	2.048000	12pf	1.20	1.08	.96	.84
HCA250-S	ECS-25-S-1	2.500000	Series	1.00	.90	.80	.70
HCA300-S	ECS-30-S-1	3.000000	Series	1.00	.90	.80	.70
HCA327-17	ECS-32-17-1	3.276800	17pf	.40	.36	.32	.28
HCA357-S	ECS-35-S-1	3.579545	Series	.40	.36	.32	.28
HCA357-17	ECS-35-17-1	3.579545	17pf	.40	.36	.32	.28
HCA368-S	ECS-36-S-1	3.686400	Series	.40	.36	.32	.28
HCA368-18	ECS-36-18-1	3.686400	18pf	.40	.36	.32	.28
HCA393-17	ECS-39-17-1	3.932160	17pf	.40	.36	.32	.28
HCA400-20	ECS-40-20-1	4.000000	20pf	.40	.36	.32	.28
HCA400-S	ECS-40-S-1	4.000000	Series	.40	.36	.32	.28
HCA403-20	ECS-40.3-20-1	4.032000	20pf	.40	.36	.32	.28
HCA419-12	ECS-42-12-1	4.194304	12pf	.40	.36	.32	.28
HCA443-20	ECS-44-20-1	4.433618	20pf	.40	.36	.32	.28
HCA500-20	ECS-50-20-1	5.000000	20pf	.40	.36	.32	.28
HCA500-S	ECS-50-S-1	5.000000	Series	.40	.36	.32	.28
HCA506-20	ECS-51-20-1	5.068800	20pf	.40	.36	.32	.28
HCA518-32	ECS-52-32-1	5.185000	32pf	.40	.36	.32	.28
HCA518-S	ECS-52-S-1	5.185000	Series	.40	.36	.32	.28
HCA599-20	ECS-59-20-1	5.990400	20pf	.40	.36	.32	.28
HCA599-S	ECS-59-S-1	5.990400	Series	.40	.36	.32	.28
HCA600-32	ECS-60-32-1	6.000000	32pf	.40	.36	.32	.28
HCA600-S	ECS-60-S-1	6.000000	Series	.40	.36	.32	.28
HCA614-32	ECS-61-32-1	6.144000	32pf	.40	.36	.32	.28
HCA655-12	ECS-65-12-1	6.553600	12pf	.40	.36	.32	.28
HCA737-20	ECS-73-20-1	7.372800	20pf	.40	.36	.32	.28
HCA768-20	ECS-76.8-20-1	7.680000	20pf	.40	.36	.32	.28
HCA800-20	ECS-80-20-1	8.000000	20pf	.40	.36	.32	.28
HCA800-32	ECS-80-32-1	8.000000	32pf	.40	.36	.32	.28
HCA800-S	ECS-80-S-1	8.000000	Series	.40	.36	.32	.28
HCA921-S	ECS-92.1-S-1	9.216000	Series	.40	.36	.32	.28
HCA983-20	ECS-98.3-20-1	9.830400	20pf	.40	.36	.32	.28
HCA1000-S	ECS-100-S-1	10.000000	Series	.40	.36	.32	.28
HCA1073-S	ECS-107-S-1	10.738635	Series	.40	.36	.32	.28
HCA1104-S	ECS-110.4-S-1	11.046000	Series	.40	.36	.32	.28
HCA1105-20	ECS-110.5-20-1	11.059200	20pf	.40	.36	.32	.28
HCA1105-32	ECS-110.5-32-1	11.059200	32pf	.40	.36	.32	.28
HCA1105-S	ECS-110.5-S-1	11.059200	Series	.40	.36	.32	.28
HCA1122-S	ECS-112.2-S-1	11.228000	Series	.40	.36	.32	.28
HCA1152-S	ECS-115.2-S-1	11.520000	Series	.40	.36	.32	.28
HCA1198-S	ECS-119.8-S-1	11.981350	Series	.40	.36	.32	.28
HCA1200-S	ECS-120-S-1	12.000000	Series	.40	.36	.32	.28
HCA1200-32	ECS-120-32-1	12.000000	32pf	.40	.36	.32	.28
HCA1209-S	ECS-121-S-1	12.096000	Series	.40	.36	.32	.28
HCA1228-20	ECS-122.8-20-1	12.288000	20pf	.40	.36	.32	.28
HCA1228-S	ECS-122.8-S-1	12.288000	Series	.40	.36	.32	.28
HCA1351-S	ECS-135-S-1	13.516800	Series	.40	.36	.32	.28
HCA1469-S	ECS-146-S-1	14.690000	Series	.40	.36	.32	.28
HCA1474-S	ECS-147.4-S-1	14.745600	Series	.40	.36	.32	.28
HCA1600-S	ECS-160-S-1	16.000000	Series	.40	.36	.32	.28
HCA1600-20	ECS-160-20-1	16.000000	20pf	.40	.36	.32	.28
HCA1601-18	ECS-160.003-18-1	16.000312	18pf	.40	.36	.32	.28
HCA1800-20	ECS-180-20-1	18.000000	20pf	.40	.36	.32	.28
HCA1800-S	ECS-180-S-1	18.000000	Series	.40	.36	.32	.28
HCA1843-20	ECS-184-20-1	18.432000	20pf	.40	.36	.32	.28
HCA1966-20	ECS-196.6-20-1	19.660800	20pf	.40	.36	.32	.28
HCA2000-20	ECS-200-20-1	20.000000	20pf	.40	.36	.32	.28
HCA2000-S	ECS-200-S-1	20.000000	Series	.40	.36	.32	.28
HCA2400-S	ECS-240-S-1	24.000000	Series	.40	.36	.32	.28
HCA2401-18	ECS-240.0001-18-1	24.000140	18pf	.40	.36	.32	.28
HCA3525-18	ECS-352.5-18-1	35.251200	18pf	.40	.36	.32	.28
HCA3801-18	ECS-380.005-18.1	38.000530	18pf	.40	.36	.32	.28
HCA4800-S	ECS-480-S-1	48.000000	Series	.40	.36	.32	.28
HCA4800-20	ECS-480-20-1	48.000000	20pf	.40	.36	.32	.28
HCA4986-20	ECS-498.6-20-1	49.860000	20pf	.40	.36	.32	.28

HC-49/US

- Industrial Range: -40°C to +85°C (±50 ppm)
- Low Profile
- "AT strip" blank technology

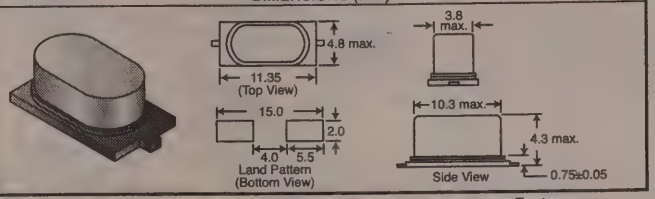
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each 1	10	100	500
520-HCU357-17	ECS-35-17-4	3.579545	17pf	.46	.41	.37	.32
520-HCU357-S	ECS-35-S-4	3.579545	Series	.46	.41	.37	.32
520-HCU368-S	ECS-36-S-4	3.686400	Series	.46	.41	.37	.32
520-HCU368-18	ECS-36-18-4	3.686400	18pf	.46	.41	.37	.32
520-HCU400-20	ECS-40-20-4	4.000000	20pf	.46	.41	.37	.32
520-HCU400-S	ECS-40-S-4	4.000000	Series	.46	.41	.37	.32
520-HCU409-20	ECS-41-20-4	4.096000	20pf	.46	.41	.37	.32
520-HCU409-30	ECS-41-30-4	4.096000	30pf	.46	.41	.37	.32
520-HCU419-12	ECS-42-12-4	4.194304	12pf	.46	.41	.37	.32
520-HCU443-20	ECS-44-20-4	4.433618	20pf	.46	.41	.37	.32
520-HCU500-20	ECS-50-20-4	5.000000	20pf	.46	.41	.37	.32
520-HCU500-S	ECS-50-S-4	5.000000	Series	.46	.41	.37	.32
520-HCU506-20	ECS-51-20-4	5.068800	20pf	.46	.41	.37	.32
520-HCU506-S	ECS-51-S-4	5.068800	Series	.46	.41	.37	.32
520-HCU518-32	ECS-52-32-4	5.185000	32pf	.46	.41	.37	.32
520-HCU600-32	ECS-60-32-4	6.000000	32pf	.46	.41	.37	.32
520-HCU600-S	ECS-60-S-4	6.000000	Series	.46	.41	.37	.32
520-HCU614-32	ECS-61-32-4	6.144000	32pf	.46	.41	.37	.32
520-HCU650-20	ECS-65-20-4	6.500000	20pf	.46	.41	.37	.32
520-HCU655-S	ECS-6.55-S-4	6.553600	Series	.46	.41	.37	.32
520-HCU737-20	ECS-73-20-4	7.372800	20pf	.46	.41	.37	.32
520-HCU768-20	ECS-76.8-20-4	7.680000	20pf	.46	.41	.37	.32
520-HCU800-18	ECS-80-18-4	8.000000	18pf	.46	.41	.37	.32
520-HCU800-20	ECS-80-20-4	8.000000	20pf	.46	.41	.37	.32
520-HCU800-32	ECS-80-32-4	8.000000	32pf	.46	.41	.37	.32
520-HCU800-S	ECS-80-S-4	8.000000	Series	.46	.41	.37	.32
520-HCU900-S	ECS-90-S-4	9.000000	Series	.46	.41	.37	.32
520-HCU921-S	ECS-92.1-S-4	9.216000	Series	.46	.41	.37	.32
520-HCU983-20	ECS-98.3-20-4	9.830400	20pf	.46	.41	.37	.32
520-HCU983-S	ECS-98.3-S-4	9.830400	Series	.46	.41	.37	.32
520-HCU1000-S	ECS-100-S-4	10.000000	Series	.46	.41	.37	.32
520-HCU1100-S	ECS-110-S-4	11.000000	Series	.46	.41	.37	.32
520-HCU1105-20	ECS-110.5-20-4	11.059200	20pf	.46	.41	.37	.32
520-HCU1105-32	ECS-110.5-32-4	11.059200	32pf	.46	.41	.37	.32
520-HCU1105-S	ECS-110.5-S-4	11.059200	Series	.46	.41	.37	.32
520-HCU1152-S	ECS-115.2-S-4	11.520000	Series	.46	.41	.37	.32
520-HCU1200-S	ECS-120-S-4	12.000000	Series	.46	.41	.37	.32
520-HCU1200-20	ECS-120-20-4	12.000000	20pf	.46	.41	.37	.32
520-HCU1200-32	ECS-120-32-4	12.000000	32pf	.46	.41	.37	.32
520-HCU1209-S	ECS-121-S-4	12.096000	Series	.46	.41	.37	.32
520-HCU1228-S	ECS-122.8-S-4	12.288000	Series	.46	.41	.37	.32
520-HCU1228-20	ECS-122.8-20-4	12.288000	20pf	.46	.41	.37	.32
520-HCU1296-18	ECS-129-18-4	12.960000	18pf	.46	.41	.37	.32
520-HCU1474-20	ECS-147.4-20-4	14.745600	20pf	.46	.41	.37	.32
520-HCU1474-S	ECS-147.4-S-4	14.745600	Series	.46	.41	.37	.32
520-HCU1536-20	ECS-153-20-4	15.360000	20pf	.46	.41	.37	.32
520-HCU1600-S	ECS-160-S-4	16.000000	Series	.46	.41	.37	.32
520-HCU1600-20	ECS-160-20-4	16.000000	20pf	.46	.41	.37	.32
520-HCU1601-18	ECS-160.003-18-4	16.000312	18pf	.46	.41	.37	.32
520-HCU1625-20	ECS-162.5-20-4	16.257000	20pf	.46	.41	.37	.32
520-HCU1625-S	ECS-162.5-S-4	16.257000	Series	.46	.41	.37	.32
520-HCU1800-S	ECS-180-S-4	18.000000	Series	.46	.41	.37	.32
520-HCU1843-20	ECS-184-20-4	18.432000	20pf	.46	.41	.37	.32
520-HCU1966-20	ECS-1966-20	19.660800	20pf	.46	.41	.37	.32
520-HCU2000-S	ECS-200-S-4	20.000000	Series	.46	.41	.37	.32
520-HCU2000-20	ECS-200-20-4	20.000000	20pf	.46	.41	.37	.32
520-HCU2048-20	ECS-204.8-20-4	20.480000	20pf	.46	.41	.37	.32
520-HCU2400-16	ECS-240-16-4	24.000000	16pf	.46	.41	.37	.32
520-HCU2400-S	ECS-240-S-4	24.000000	Series	.46	.41	.37	.32
520-HCU2457-20	ECS-245.7-20-4	24.576000	20pf	.46	.41	.37	.32
520-HCU2500-18	ECS-250-18-4-F	25.000000	18pf	.46	.41	.37	.32
520-HCU4800-20	ECS-480-20-4	48.000000	20pf	.46	.41	.37	.32
Extended Temperature Range (-40°C to 85°C ±50 ppm)							
520-HCU357-17DN	ECS-35-17-4-DN	3.579545	17pf	.95	.85	.70	.62
520-HCU368-20DN	ECS-36-20-4-DN	3.686400	20pf	.95	.85	.70	.62
520-HCU400-20DN	ECS-40-20-4-DN	4.000000	20pf	.95	.85	.70	.62
520-HCU600-32DN	ECS-60-32-4-DN	6.000000	32pf	.95	.85	.70	.62
520-HCU737-20DN	ECS-73-20-4-DN	7.372800	20pf	.95	.85	.70	.62
520-HCU800-18DN	ECS-80-18-4-DN	8.000000	18pf	.95	.85	.70	.62
520-HCU1200-20DN	ECS-120-20-4-DN	12.000000	20pf	.95	.85	.70	.62
520-HCU1431-20DN	ECS-143-20-4-DN	14.318100	20pf	.95	.85	.70	.62
520-HCU1600-20DN	ECS-160-20-4-DN	16.000000	20pf	.95	.85	.70	.62
520-HCU1843-20DN	ECS-184-20-4-DN	18.432000	20pf	.95	.85	.70	.62
520-HCU2000-20DN	ECS-200-20-4-DN	20.000000	20pf	.95	.85	.70	.62
520-HCU2400-20DN	ECS-240-20-4-DN	24.000000	20pf	.95	.85	.70	.62

CSM-7

The CSM-7 is an excellent choice for the SMD version of the HC-49US leaded crystal. The CSM-7 has a case height of 4.3mm maximum in a resistance weld metal package.

DIMENSIONS (mm)



Specifications:

- Frequency tolerance: ±30 ppm
- Extended temperature: +25°C to ±30 ppm
- Shunt capacitance: 7.0pF
- Load capacitance: specified or series
- Operating temp. Range: -10°C to +70°C
- Industrial Range: -40°C + 85°C (50 ppm)
- Storage temperature: -30°C to +85°C

Features:

- Cost effective
- Space saving design
- Low profile

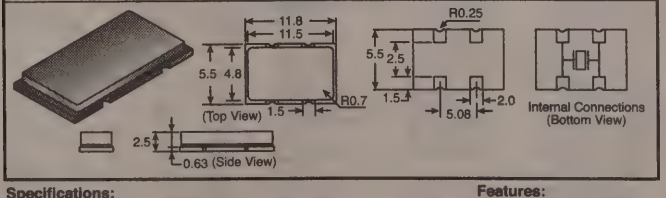
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each 1	10	100	500
520-CSM357-17	ECS-35-17-5P	3.579545	17pf	.68	.58	.46	.41
520-CSM368-S	ECS-36-S-5P	3.6864	Series	.68	.58	.46	.41
520-CSM368-20	ECS-36-20-5P	3.6864	20pf	.68	.58	.46	.41
520-CSM400-20	ECS-40-20-5P	4.0000	20pf	.68	.58	.46	.41
520-CSM403-20	ECS-40.3-20-5P	4.032000	20pf	.68	.58	.46	.41
520-CSM409-20	ECS-41-20-5P	4.096000	20pf	.68	.58	.46	.41
520-CSM419-12	ECS-42-12-5P	4.194304	12pf	.68	.58	.46	.41
520-CSM491-S	ECS-49-S-5P	4.9152	Series	.68	.58	.46	.41
520-CSM491-20	ECS-49-20-5P	4.9152	20pf	.68	.58	.46	.41
520-CSM500-20	ECS-50-20-5P	5.000000	20pf	.68	.58	.46	.41
520-CSM500-S	ECS-50-S-5P	5.000000	Series	.68	.58	.46	.41
520-CSM600-32	ECS-60-32-5P	6.000000	32pf	.68	.58	.46	.41
520-CSM600-S	ECS-60-S-5P	6.000000	Series	.68	.58	.46	.41
520-CSM614-32	ECS-61-32-5P	6.144000	32pf	.68	.58	.46	.41
520-CSM655-S	ECS-65.5-S-5P	6.553600	Series	.68	.58	.46	.41
520-CSM737-20	ECS-73-20-5P	7.372800	20pf	.68	.58	.46	.41
520-CSM800-18	ECS-80-18-5P	8.0000	18pf	.68	.58	.46	.41
520-CSM800-32	ECS-80-32-5P	8.0000	32pf	.68	.58	.46	.41
520-CSM800-S	ECS-80-S-5P	8.0000	Series	.68	.58	.46	.41
520-CSM921-S	ECS-92.1-S-5P	9.216000	Series	.68	.58	.46	.41
520-CSM983-S	ECS-98.3-S-5P	9.8304	Series	.68	.58	.46	.41
520-CSM1000-S	ECS-100-S-5P	10.000000	Series	.68	.58	.46	.41
520-CSM1105-32	ECS-110.5-32-5P	11.0592	32pf	.68	.58	.46	.41
520-CSM1105-20	ECS-110.5-20-5P	11.0592	20pf	.68	.58	.46	.41
520-CSM1105-S	ECS-110.5-S-5P	11.0592	Series	.68	.58	.46	.41
520-CSM1200-S	ECS-120-S-5P	12.000000	Series	.68	.58	.46	.41
520-CSM1228-20	ECS-122.8-20-5P	12.288000	20pf	.68	.58	.46	.41
520-CSM1228-S	ECS-122.8-S-5P	12.288000	Series	.68	.58	.46	.41
520-CSM1431-S	ECS-143-S-5P	14.318180	Series	.68	.58	.46	.41
520-CSM1600-20	ECS-160-20-5P	16.000000	20pf	.68	.58	.46	.41
520-CSM1600-S	ECS-160-S-5P	16.000000	Series	.68	.58	.46	.41
520-CSM1843-S	ECS-184-S-5P	18.432000	Series	.68	.58	.46	.41
520-CSM2000-20	ECS-200-20-5P	20.000000	20pf	.68	.58	.46	.41
520-CSM2048-20	ECS-204.8-20-5P	20.480000	20pf	.68	.58	.46	.41
520-CSM2457-20	ECS-245.7-20-5P	24.576000	20pf	.68	.58	.46	.41
520-CSM2500-18	ECS-250-18-5P	25.000000	18pf	.68	.58	.46	.41
520-CSM4800-20	ECS-480-20-5P	48.000000	20pf	.68	.58	.46	.41
Extended Temperature Range (-40°C to + 85°C ± 50 ppm)							
520-CSM357-17DN	ECS-35-17-5P-DN	3.579545	17pf	1.30	1.10	.86	.70
520-CSM368-20DN	ECS-36-20-5P-DN	3.686400	20pf	1.30	1.10	.86	.70
520-CSM400-20DN	ECS-40-20-5P-DN	4.000000	20pf	1.30	1.10	.86	.70
520-CSM600-32DN	ECS-60-32-5P-DN	6.000000	32pf	1.30	1.10	.86	.70
520-CSM737-20DN	ECS-73-20-5P-DN	7.372800	20pf	1.30	1.10	.86	.70
520-CSM800-18DN	ECS-80-18-5P-DN	8.000000	18pf	1.30	1.10	.86	.70
520-CSM1200-20DN	ECS-120-20-5P-DN	12.000000	20pf	1.30	1.10	.86	.70
520-CSM1431-20DN	ECS-143-20-5P-DN	14.318180	20pf	1.30	1.10	.86	.70
520-CSM1600-20DN	ECS-160-20-5P-DN	16.000000	20pf	1.30	1.10	.86	.70
520-CSM1843-20DN	ECS-184-20-5P-DN	18.432000	20pf	1.30	1.10	.86	.70
520-CSM1966-20DN	ECS-196-20-5P-DN	19.660800	20pf	1.30	1.10	.86	.70
520-CSM2000-20DN	ECS-200-20-5P-DN	20.000000	20pf	1.30	1.10	.86	.70
520-CSM2400-20DN	ECS-240-20-5P-DN	24.000000	20pf	1.30	1.10	.86	.70

CSM-12 SURFACE MOUNT DEVICE

The CSM-12 is enclosed in a ceramic package. It is an excellent choice for a full size version of our miniature quartz crystal. The CSM-12 has a low profile dimension of 2.5mm.

DIMENSIONS (mm)



Specifications:

- Frequency tolerance: ±30 ppm
- Shunt capacitance: 7.0pF
- Load capacitance: standard or series
- Mode of oscillation: fundamental

Features:

- Cost effective, low profile
- Space saving design

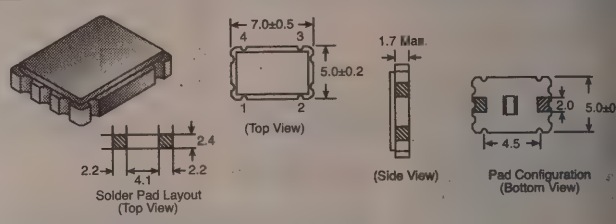
For quantities of 1000 and up, call for quote.

520-CSR357-17	ECS-35-17-18	3.579545	17pf	1.36	1.22	1.09	.95
520-CSR368-20	ECS-36-20-18	3.686400	20pf	1.36	1.22	1.09	.95
520-CSR400-20	ECS-40-20-18	4.000000	20pf	1.36	1.22	1.09	.95
520-CSR983-20	ECS-98.3-20-18	9.830400	20pf	1.36	1.22	1.09	.95
520-CSR1105-S	ECS-110.5-S-18	11.059200	Series	1.36	1.22	1.09	.95
520-CSR1200-S	ECS-120-S-18	12.000000	Series	1.36	1.22	1.09	.95
520-CSR1431-S	ECS-143-S-18	14.318180	Series	1.36	1.22	1.09	.95
520-CSR1431-18	ECS-143-20-18	14.318180	18pF	1.36	1.22	1.09	.95
520-CSR1843-S	ECS-184-S-18	18.432000	Series	1.36	1.22	1.09	.95
520-CSR2000-S	ECS-200-S-18	20.000000	Series	1.36	1.22	1.09	.95

CSM-8A

The CSM-8A Series is a very cost effective, low profile SMD quartz crystal. It is ideal for PCMCIA, ethernet, a fax modem card applications. Additional land pads available. Contact a Mouser Sales Representative for more information.

DIMENSIONS (mm)



Specifications:

- Frequency tolerance: ±30 ppm
- Shunt capacitance: 5.0pF
- Load capacitance: standard or series
- Operating temperature: -10°C to +70°C
- Storage temperature: -40°C to +85°C

Features:

- Glass sealed cermic package
- Tight stability/high reliability
- Wide frequency range
- High frequency fundamental availablity
- Three optional footprints

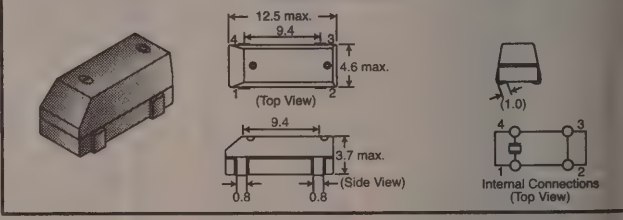
For quantities of 1000 and up, call for q

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each 1	10	100
520-CSQ1000-S	ECS-100-S-20A	10.000000	Series	2.70	2.53	2.17
520-CSQ1105-20	ECS-110.5-20-20A	11.059200	20pf	2.70	2.53	2.17
520-CSQ1431-S	ECS-143-S-20A	14.318180	Series	2.70	2.53	2.17
520-CSQ1431-20	ECS-143-20-20A	14.318180	20pf	2.70	2.53	2.17
520-CSQ1600-20	ECS-160-20-20A	16.000000	20pf	2.70	2.53	2.17
520-CSQ1966-S	ECS-196.6-A-20A	19.660800	Series	2.70	2.53	2.17
520-CSQ2000-S	ECS-200-S-20A	20.000000	Series	2.70	2.53	2.17
520-CSQ2400-20	ECS-240-20-20A	24.000000	20pf	2.70	2.53	2.17
520-CSQ3000-S	ECS-300-S-20A	30.000000	Series	2.70	2.53	2.17
520-CSQ3300A-S	ECS-330-S-20A	33.000000	Series	2.70	2.53	2.17
520-CSQ3600-S	ECS-360-S-20A-F	36.000000	Series	2.70	2.53	2.17
520-CSQ4000A-S	ECS-400-S-20A	40.000000	Series	2.70	2.53	2.17
520-CSQ4800-20	ECS-480-20-20A	48.000000	20pf	2.70	2.53	2.17

ECX-3S

This wide frequency range SMD quartz crystal is an excellent choice for surface mount applications. The ruggedized molded package is made from the same thermoplastic that is industry standard for integrated circ

DIMENSIONS (mm)



Specifications:

- Frequency tolerance: ±30 pm
- Shunt capacitance: 7.0pF
- Load capacitance: standard or series
- Operating temperature Range: -10°C to +70°C
- Storage temperature: -40°C to +85°C

Features:

- Low profile
- Industry standard footprint
- High temperature seal capabilities
- Excellent shock resistance
- Excellent environmental characteristics

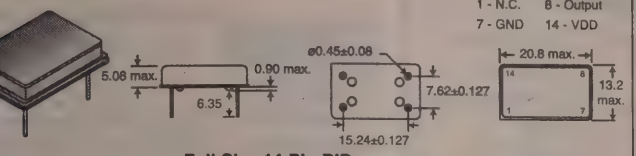
For quantities of 1000 and up, call for

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each 1	10	100
520-ECX368-S	ECS-36-S-7S	3.6864	Series	1.88	1.50	1.20
520-ECX400-20	ECS-40-20-7S	4.0000	20pf	1.88	1.50	1.20
520-ECX491-S	ECS-49-S-7S	4.915200	Series	1.88	1.50	1.20
520-ECX614-32	ECS-61-32-7S	6.144000	32pf	1.88	1.50	1.20
520-ECX655-12	ECS-65-12-7S	6.553600	12pf	1.88	1.50	1.20
520-ECX800-16	ECS-80-16-7S	8.0000	16pf	1.88	1.50	1.20
520-ECX983-20	ECS-98.3-20-7S	9.8304	20pf	1.88	1.50	1.20
520-ECX1200-S	ECS-120-S-7S	12.0000	Series	1.88	1.50	1.20
520-ECX1200-18	ECS-120-18-7S	12.0000	18pf	1.88	1.50	1.20
520-ECX1200-32	ECS-120-32-7S	12.0000	32pf	1.88	1.50	1.20
520-ECX1228-S	ECS-122.8-S-7S	12.2880	Series	1.88	1.50	1.20
520-ECX1228-20	ECS-122.8-20-7S	12.2880	20pf	1.88	1.50	1.20
520-ECX1431-20	ECS-143-20-7S	14.318180	20pf	1.88	1.50	1.20
520-ECX1843-S	ECS-184-S-7S	18.432000	Series	1.88	1.50	1.20
520-ECX2000-16	ECS-200-16-7S	20.000000	16pf	1.88	1.50	1.20
520-ECX2000-S	ECS-200-S-7S	20.000000	Series	1.88	1.50	1.20

FOX Just-In-Time Custom Frequency Oscillators

FOX JITO-2 Just-In-Time Oscillators

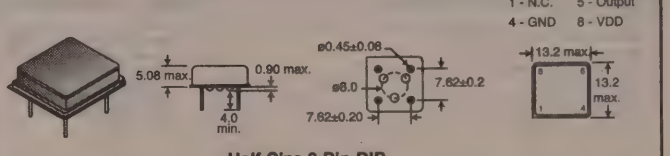
PACKAGE A



Pin Connections
1 - N.C. 8 - Output
7 - GND 14 - VDD

Full Size 14 Pin DIP

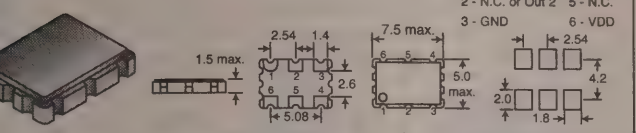
PACKAGE B



Pin Connections
1 - N.C. 5 - Output
4 - GND 8 - VDD

Half Size 8 Pin DIP

PACKAGE D

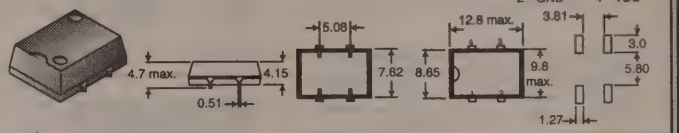


Pin Connections
1 - E/D* 4 - Output
2 - N.C. or Out 2 5 - N.C.
3 - GND 6 - VDD

MIN-6 SMD

* Enable/Disable Function

PACKAGE P



Pin Connections
1 - E/D* 3 - Output
2 - GND 4 - VDD

JITO-2P

* Enable/Disable Function

JITO-2 (Just-In-Time-Oscillators) line represents Fox's latest contribution to helping buyers ineers alike meet the increasing pressure of bringing new designs and products to market nd more efficiently. This line of crystal oscillators cut the industry standard leadtime to just ing days for custom frequency oscillators; 48 hours for evaluation units in most cases.

es:

m and standard frequencies from 340kHz up to 250MHz
0ppm, +/- 50ppm, +/- 30ppm, +/- 25ppm stability
5.0 Volts; -10°C to +70°C to -40°C to +85°C operating temperature
SMD and thru-hole packaging available

*10 Days or Less!

TO products are NON-CANCELABLE AND NON-RETURNABLE
s over 100 pcs require prior customer sample approval
ackage D, less then 250 pcs, charge $75 for tape & reel
ackages A&B, ship in tubes of 25 and 40, respectively
Socket for Package A - **535-1107741**
Socket for Package B - **535-1108800**

JITO PART NUMBERING GUIDE:

JITO - B C 3 A M 106.250000

Package Style:
A = 14 Pin DIP
B = 8 Pin DIP
D = Min-6 (5x7.5x1.5mm 6 Pad SMD)
P = Plastic** (10x13x5mm)

Type:
C = HCMOS
P = PECL
S = HCMOS/standby (D+P Pkg. only)

Supply Voltage:
5 = + 5.0 Volts
3 = + 3.3 Volts

Stability:
A = ±100ppm
B = ±50ppm
C = ±30ppm**
D = ±25ppm**

Temperature Range:
F = -20°C to +70°C
M = -40°C to +85°C

Frequency (MHz)

** P=Package style in the C & D stability available only in the F temperature range.

***10 Business days or less for custom or standard frequency oscillators.**

Pricing For Most Popular Part Numbers. Contact your Mouser Sales Representative for options not listed below.

FOX JITO-2 FREQUENCY RANGE 340KHZ TO 125MHZ

Please specify frequency range in MHZ or KHZ.

For quantities of 500 and up, call for quote.

USER CK NO.	Frequency Range (Less than 125MHz)	Package	Type	Voltage	Stability	Temperature Range	Price Each			
							1	25	50	100
-AC3AE	000.340000 to 125.000000	14 Pin DIP	HCMOS	+3.3	±100ppm	-10°C to +70°C	14.79	5.28	4.34	3.37
-AC3AM	000.340000 to 125.000000	14 Pin DIP	HCMOS	+3.3	±100ppm	-40°C to +85°C	17.01	6.07	4.99	3.88
-AC5AE	000.340000 to 125.000000	14 Pin DIP	HCMOS	+5.0	±100ppm	-10°C to +70°C	14.79	5.28	4.34	3.37
-AC5AM	000.340000 to 125.000000	14 Pin DIP	HCMOS	+5.0	±100ppm	-40°C to +85°C	17.01	6.07	4.99	3.88
-BC3AE	000.340000 to 125.000000	8 Pin DIP	HCMOS	+3.3	±100ppm	-10°C to +70°C	14.79	5.28	4.34	3.37
-BC3AM	000.340000 to 125.000000	8 Pin DIP	HCMOS	+3.3	±100ppm	-40°C to +85°C	17.01	6.07	4.99	3.88
-BC5AE	000.340000 to 125.000000	8 Pin DIP	HCMOS	+5.0	±100ppm	-10°C to +70°C	14.79	5.28	4.34	3.37
-BC5AM	000.340000 to 125.000000	8 Pin DIP	HCMOS	+5.0	±100ppm	-40°C to +85°C	17.01	6.07	4.99	3.88
-DC3AE	000.340000 to 125.000000	Mini-6 SMD	HCMOS	+3.3	±100ppm	-10°C to +70°C	14.79	5.28	4.34	3.37
-DC3AM	000.340000 to 125.000000	Mini-6 SMD	HCMOS	+3.3	±100ppm	-40°C to +85°C	17.01	6.07	4.99	3.88
-DC5AE	000.340000 to 125.000000	Mini-6 SMD	HCMOS	+5.0	±100ppm	-10°C to +70°C	14.79	5.28	4.34	3.37
-DC5AM	000.340000 to 125.000000	Mini-6 SMD	HCMOS	+5.0	±100ppm	-40°C to +85°C	17.01	6.07	4.99	3.88
-PC3AE	000.340000 to 125.000000	Plastic	HCMOS	+3.3	±100ppm	-10°C to +70°C	13.50	5.09	4.23	3.19
-PC5AE	000.340000 to 125.000000	Plastic	HCMOS	+5.0	±100ppm	-10°C to +70°C	13.50	5.09	4.23	3.19

FOX JITO-2 FREQUENCY RANGE 125MHZ - 250MHZ

Please specify frequency range in MHZ.

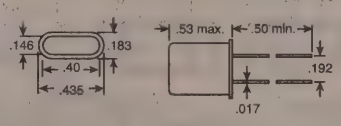
For quantities of 500 and up, call for quote.

USER CK NO.	Frequency Range (Greater than 125MHz)	Package	Type	Voltage	Stability	Temperature Range	Price Each			
							1	25	50	100
-AC3AE	125.000000 to 250.000000	14 Pin DIP	HCMOS	+3.3	±100ppm	-10°C to +70°C	14.79	7.40	7.16	6.37
-AC3AM	125.000000 to 250.000000	14 Pin DIP	HCMOS	+3.3	±100ppm	-40°C to +85°C	17.01	8.50	8.23	7.33
-AC5AE	125.000000 to 250.000000	14 Pin DIP	HCMOS	+5.0	±100ppm	-10°C to +70°C	14.79	7.40	7.16	6.37
-AC5AM	125.000000 to 250.000000	14 Pin DIP	HCMOS	+5.0	±100ppm	-40°C to +85°C	17.01	8.50	8.23	7.33
-BC3AE	125.000000 to 250.000000	8 Pin DIP	HCMOS	+3.3	±100ppm	-10°C to +70°C	14.79	7.40	7.16	6.37
-BC3AM	125.000000 to 250.000000	8 Pin DIP	HCMOS	+3.3	±100ppm	-40°C to +85°C	17.01	8.50	8.23	7.33
-BC5AE	125.000000 to 250.000000	8 Pin DIP	HCMOS	+5.0	±100ppm	-10°C to +70°C	14.79	7.40	7.16	6.37
-BC5AM	125.000000 to 250.000000	8 Pin DIP	HCMOS	+5.0	±100ppm	-40°C to +85°C	17.01	8.50	8.23	7.33
-DC3AE	125.000000 to 250.000000	Mini-6 SMD	HCMOS	+3.3	±100ppm	-10°C to +70°C	14.79	7.40	7.16	6.37
-DC3AM	125.000000 to 250.000000	Mini-6 SMD	HCMOS	+3.3	±100ppm	-40°C to +85°C	17.01	8.50	8.23	7.33
-DC5AE	125.000000 to 250.000000	Mini-6 SMD	HCMOS	+5.0	±100ppm	-10°C to +70°C	14.79	7.40	7.16	6.37
-DC5AM	125.000000 to 250.000000	Mini-6 SMD	HCMOS	+5.0	±100ppm	-40°C to +85°C	16.66	8.51	8.23	7.33
-PC3AE	125.000000 to 250.000000	Plastic	HCMOS	+3.3	±100ppm	-10°C to +70°C	13.80	6.81	5.93	4.75
-PC5AE	125.000000 to 250.000000	Plastic	HCMOS	+5.0	±100ppm	-10°C to +70°C	13.80	6.81	5.93	4.75

FOX HC-49U CRYSTALS

- Operating temp.: -20°C to +70°C
- Frequency tolerance: ±30PPM
- Aging: ±5PPM per year max.
- Drive level (typ./max.):
  1.0-3.0MHz, 0.1/5.0mW
  3.0-32.0MHz, 0.1/2.0mW
- Maximum height: .530"

DIMENSIONS (IN.)



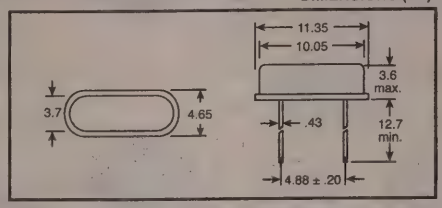
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each 1	10	100
559-FOX018S	1.843200	13pF	1.61	1.31	1.20
559-FOX020S	2.000000	20pF	1.61	1.31	1.20
559-FOX021S	2.097152	20pF	1.61	1.31	1.20
559-FOX024S	2.457600	32pF	.91	.74	.68
559-FOX036S	3.579545	18pF	.47	.39	.35
559-FOX0368S	3.686400	Series	.47	.39	.35
559-FOX0368-20	3.686400	20pF	.47	.39	.35
559-FOX040	4.000000	20pF	.47	.39	.35
559-FOX040A	4.000000	Series	.47	.39	.35
559-FOX041	4.194304	12pF	.47	.39	.35
559-FOX0443	4.433619	20pF	.47	.39	.35
559-FOX049	4.915200	Series	.47	.39	.35
559-FOX049-20	4.915200	20pF	.47	.39	.35
559-FOX05A	5.000000	20pF	.47	.39	.35
559-FOX060	6.000000	Series	.47	.39	.35
559-FOX060-20	6.000000	20pF	.47	.39	.35
559-FOX061	6.144000	30pF	.47	.39	.35
559-FOX061-20	6.144000	20pF	.47	.39	.35
559-FOX073	7.372800	Series	.47	.39	.35
559-FOX073-20	7.372800	20pF	.47	.39	.35
559-FOX080	8.000000	Series	.47	.39	.35
559-FOX080-20	8.000000	20pF	.47	.39	.35
559-FOX081	8.192000	Series	.47	.39	.35
559-FOX081-20	8.192000	20pF	.47	.39	.35
559-FOX092	9.216000	Series	.47	.39	.35
559-FOX098	9.830400	Series	.47	.39	.35
559-FOX098-20	9.830400	20pF	.47	.39	.35
559-FOX100	10.000000	Series	.47	.39	.35
559-FOX100-20	10.000000	20pF	.47	.39	.35
559-FOX111	11.000000	Series	.47	.39	.35
559-FOX111-20	11.000000	20pF	.47	.39	.35
559-FOX115	11.059200	Series	.47	.39	.35
559-FOX115-20	11.059200	20pF	.47	.39	.35
559-FOX120	12.000000	Series	.47	.39	.35
559-FOX120-20	12.000000	20pF	.47	.39	.35
559-FOX128	12.288000	Series	.47	.39	.35
559-FOX128-20	12.288000	20pF	.47	.39	.35
559-FOX143	14.318180	Series	.42	.34	.31
559-FOX143-20	14.318180	20pF	.42	.34	.31
559-FOX160	16.000000	Series	.47	.39	.35
559-FOX160-20	16.000000	20pF	.47	.39	.35
559-FOX184	18.432000	Series	.47	.39	.35
559-FOX184-20	18.432000	20pF	.47	.39	.35
559-FOX196	19.660800	Series	.47	.39	.35
559-FOX196-20	19.660800	20pF	.47	.39	.35
559-FOX200	20.000000	Series	.47	.39	.35
559-FOX200-20	20.000000	20pF	.47	.39	.35
559-FOX221	22.118400	Series	.54	.44	.40
559-FOX221-20	22.118400	20pF	.54	.44	.40
559-FOX240F	24.000000	Series	.63	.51	.47
559-FOX240F-20	24.000000	20pF	.63	.51	.47
559-FOX245F-20	24.576000	20pF	.63	.51	.47
559-FOX250F-20	25.000000	20pF	.63	.51	.47
559-FOX320-20	32.000000	20pF	.47	.39	.35
559-FOX480-20	48.000000	20pF	.53	.43	.39
559-FOX500-20	50.000000	20pF	.53	.43	.39

FOX HC-49S CRYSTALS

- Operating temperature: -20°C to +70°C
- Frequency tolerance: ±30PPM
- Aging: ±5PPM per year max.
- Drive level (typ./max.): 0.1mW/1.0m
- Maximum height: .142"

DIMENSIONS (IN.)



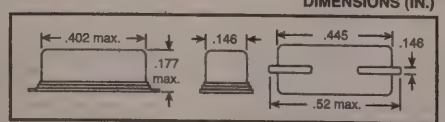
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each 1	10	100
559-FOXS036S	3.579545	18pF	.57	.49	.43
559-FOXS0368S	3.686400	Series	.57	.49	.43
559-FOXS0368S-20	3.686400	20pF	.57	.49	.43
559-FOXS040	4.000000	20pF	.57	.49	.43
559-FOXS040A	4.000000	Series	.57	.49	.43
559-FOXS0496-20	4.096000	20pF	.57	.49	.43
559-FOXS041	4.194304	12pF	.57	.49	.43
559-FOXS0443	4.433619	20pF	.57	.49	.43
559-FOXS049	4.915200	Series	.57	.49	.43
559-FOXS049-20	4.915200	20pF	.57	.49	.43
559-FOXS073	7.372800	Series	.57	.49	.43
559-FOXS073-20	7.372800	20pF	.57	.49	.43
559-FOXS080	8.000000	Series	.57	.49	.43
559-FOXS080-20	8.000000	20pF	.57	.49	.43
559-FOXS081-20	8.192000	20pF	.57	.49	.43
559-FOXS098	9.830400	Series	.57	.49	.43
559-FOXS098-20	9.830400	20pF	.57	.49	.43
559-FOXS100	10.000000	Series	.57	.49	.43
559-FOXS100-20	10.000000	20pF	.57	.49	.43
559-FOXS111-20	11.000000	20pF	.57	.49	.43
559-FOXS115	11.059200	Series	.57	.49	.43
559-FOXS115-20	11.059200	20pF	.57	.49	.43
559-FOXS120	12.000000	Series	.57	.49	.43
559-FOXS120-20	12.000000	20pF	.57	.49	.43
559-FOXS128	12.288000	Series	.57	.49	.43
559-FOXS128-20	12.288000	20pF	.57	.49	.43
559-FOXS143	14.318180	Series	.48	.41	.36
559-FOXS143-20	14.318180	20pF	.48	.41	.36
559-FOXS147	14.745600	Series	.57	.49	.43
559-FOXS147-20	14.745600	20pF	.57	.49	.43
559-FOXS160	16.000000	Series	.57	.49	.43
559-FOXS160-20	16.000000	20pF	.57	.49	.43
559-FOXS184-20	18.432000	20pF	.57	.49	.43
559-FOXS196-20	19.660800	20pF	.57	.49	.43
559-FOXS200	20.000000	Series	.57	.49	.43
559-FOXS200-20	20.000000	20pF	.57	.49	.43
559-FOXS221-20	22.118400	20pF	.57	.49	.43
559-FOXS240F	24.000000	Series	.66	.57	.49
559-FOXS240F-20	24.000000	20pF	.66	.57	.49
559-FOXS245F-20	24.576000	20pF	.66	.57	.49
559-FOXS250F-20	25.000000	20pF	.66	.57	.49

FOX HC-49SD SMD CRYSTALS

- Operating temp.: 0°C to +70°C
- Frequency tolerance: ±30PPM
- Aging: ±5PPM per year max.
- Drive level (typ./max.): 0.1mW/1.0mW
- Maximum height: .177"

DIMENSIONS (IN.)



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each 1	10	100
559-FOXSD036S	3.579545	18pF	.69	.59	.51
559-FOXSD0368-20	3.686400	20pF	.69	.59	.51
559-FOXSD040	4.000000	20pF	.69	.59	.51
559-FOXSD041	4.194304	12pF	.69	.59	.51
559-FOXSD0443	4.433619	20pF	.69	.59	.51
559-FOXSD049-20	4.915200	20pF	.69	.59	.51
559-FOXSD05A	5.000000	20pF	.69	.59	.51
559-FOXSD060-20	6.000000	20pF	.69	.59	.51
559-FOXSD073-20	7.372800	20pF	.69	.59	.51

FOX HC-49SD SMD CRYSTALS (CO

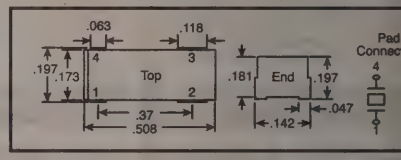
For quantities of 250 and up, call for

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Eac 1	10
559-FOXSD080-20	8.000000	20pF	.69	.59
559-FOXSD081-20	8.192000	20pF	.69	.59
559-FOXSD098-20	9.830400	20pF	.69	.59
559-FOXSD100-20	10.000000	20pF	.69	.59
559-FOXSD111-20	11.000000	20pF	.69	.59
559-FOXSD115-20	11.059200	20pF	.69	.59
559-FOXSD120-20	12.000000	20pF	.69	.59
559-FOXSD128-20	12.288000	20pF	.69	.59
559-FOXSD143-20	14.318180	20pF	.69	.59
559-FOXSD147-20	14.745600	20pF	.69	.59
559-FOXSD160-20	16.000000	20pF	.69	.59
559-FOXSD184-20	18.432000	20pF	.69	.59
559-FOXSD196-20	19.660800	20pF	.69	.59
559-FOXSD200-20	20.000000	20pF	.69	.59
559-FOXSD221-20	22.118400	20pF	.69	.59
559-FOXSD240F-20	24.000000	20pF	.78	.67
559-FOXSD245F-20	24.576000	20pF	.78	.67
559-FOXSD250F-20	25.000000	20pF	.78	.67
559-FOXSD320-20	32.000000	20pF	.74	.64
559-FOXSD480-20	48.000000	20pF	.74	.64
559-FOXSD500-20	50.000000	20pF	.74	.64
559-FOXSD564-18	56.448000	18pF	.88	.76
559-FOXSD600-20	60.000000	20pF	.88	.76
559-FOXSD640-20	64.000000	20pF	.99	.85

FOX ENCAPSULATED SMD CRYSTALS

- Operating temp.: -10°C to +70°C
- Frequency tolerance: ±50PPM
- Aging: ±5PPM per year max
- Drive level (typ./max.): 0.1mW/1.0mW
- Maximum height: .197"

DIMENSIONS



For quantities of 250 and up, call for

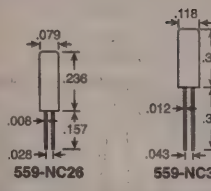
MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each 1	10
559-FPX036S	3.579545	18pF	1.66	1.55
559-FPX0368S	3.686400	Series	1.66	1.55
559-FPX0368-20	3.686400	20pF	1.66	1.55
559-FPX040	4.000000	20pF	1.66	1.55
559-FPX040A	4.000000	Series	1.66	1.55
559-FPX049	4.915200	Series	1.66	1.55
559-FPX049-20	4.915200	20pF	1.66	1.55
559-FPX073	7.372800	Series	1.66	1.55
559-FPX073-20	7.372800	20pF	1.66	1.55
559-FPX080	8.000000	Series	1.66	1.55
559-FPX080-20	8.000000	20pF	1.66	1.55
559-FPX081-20	8.192000	20pF	1.66	1.55
559-FPX098-20	9.830400	20pF	1.66	1.55
559-FPX100	10.000000	Series	1.66	1.55
559-FPX100-20	10.000000	20pF	1.66	1.55
559-FPX111-20	11.000000	20pF	1.66	1.55
559-FPX115	11.059200	Series	1.66	1.55
559-FPX115-20	11.059200	20pF	1.66	1.55
559-FPX120	12.000000	Series	1.66	1.55
559-FPX120-20	12.000000	20pF	1.66	1.55
559-FPX128	12.288000	Series	1.66	1.55
559-FPX128-20	12.288000	20pF	1.66	1.55
559-FPX143	14.318180	Series	1.66	1.55
559-FPX143-20	14.318180	20pF	1.66	1.55
559-FPX147	14.745600	Series	1.66	1.55
559-FPX147-20	14.745600	20pF	1.66	1.55
559-FPX160	16.000000	Series	1.66	1.55
559-FPX160-20	16.000000	20pF	1.66	1.55
559-FPX184-20	18.432000	20pF	1.73	1.62
559-FPX196-20	19.660800	20pF	1.73	1.62
559-FPX200	20.000000	Series	1.73	1.62
559-FPX200-20	20.000000	20pF	1.73	1.62
559-FPX221	22.118400	Series	1.73	1.62
559-FPX221-20	22.118400	20pF	1.73	1.62
559-FPX240F-20	24.000000	20pF	1.73	1.62
559-FPX245F-20	24.576000	20pF	1.73	1.62
559-FPX250F-20	25.000000	20pF	1.73	1.62
559-FPX600-20	60.000000	20pF	4.04	3.85
559-FPX640-20	64.000000	20pF	4.04	3.85

MOUSER ELECTRONICS a tti company

X TUNING FORK WATCH CRYSTALS

DIMENSIONS (IN.)

quency tolerance: ±20PPM
d capacitance: 12.5pF
ivalent series resistance:
9-NC26 30k/50kΩ (typ./max.)
9-NC38 18k/35kΩ (typ./max.)
lation resistance: 100MΩ
e level: 1.0µW
ng: ±3PPM/year @ 25°C
erating temperature: -10°C to +60°C
rage temperature: -20°C to +70°C



MOUSER TOCK NO.	Frequency (KHz)	Price Each 1	10	100
-NC26	32.768000	.63	.53	.45
-NC38	32.768000	.63	.53	.45

HALF SIZE HIGH SPEED CMOS OX TRI-STATE OSCILLATORS

DIMENSIONS (IN.)

erating temp.: -10°C to +70°C (H5C2), 0°C to +70°C (H5C2E)
put symmetry: 45%/55% (min./max.)
rage temp.: -55°C to +125°C
pply volt.: 5.0VDC ±0.5
quency stability: ±100PPM

Pin Connections:
1 - Enable/Disable Function
4 - GND (Case)
5 - Output
8 - +5VDC

For quantities of 500 and up, call for quote.

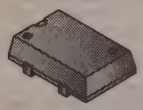
MOUSER TOCK NO.	Frequency (MHz)	Price Each 1	10	100
-H5C2E-368	3.686400	1.93	1.76	1.60
-H5C2E-800	8.000000	1.93	1.76	1.60
-H5C2E-1600	16.000000	1.93	1.76	1.60
-H5C2E-2000	20.000000	1.93	1.76	1.60
-H5C2E-2500	25.000000	1.93	1.76	1.60
-H5C2E-3200	32.000000	1.93	1.76	1.60
-H5C2E-4000	40.000000	1.93	1.76	1.60
-H5C2E-5000	50.000000	1.93	1.76	1.60

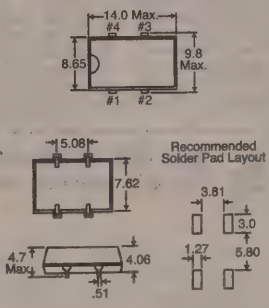
FSO2 SMD HCMOS OX CLOCK OSCILLATORS

DIMENSIONS (IN.)

erating Temperature: -22°C ~ +70°C
rage Temperature: -55°C ~ +125°C
d: 5.0V ±0.5
quency Stability: ±100ppm @ -20°C ~ +70°C
CMOS/TTL Output

Pin Connections:
1 - E/D
2 - GND
3 - Output
4 - Vdd





For quantities of 500 and up, call for quote.

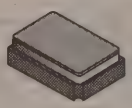
MOUSER TOCK NO.	Frequency (MHz)	Price Each 1	10	100
-FSO2-1.84	1.84320	3.09	2.85	2.61
-FSO2-2	2.00000	3.09	2.85	2.61
-FSO2-4	4.00000	3.09	2.85	2.61
-FSO2-8	8.00000	3.09	2.85	2.61
-FSO2-10	10.00000	3.09	2.85	2.61
-FSO2-12	12.00000	3.09	2.85	2.61
-FSO2-14.3	14.31818	3.09	2.85	2.61
-FSO2-16	16.00000	3.09	2.85	2.61
-FSO2-20	20.00000	3.09	2.85	2.61
-FSO2-32	32.00000	3.09	2.85	2.61
-FSO2-40	40.00000	3.09	2.85	2.61
-FSO2-48	48.00000	3.09	2.85	2.61
-FSO2-50	50.00000	3.09	2.85	2.61
-FSO2-60	60.00000	3.67	3.39	3.11
-FSO2-64	64.00000	3.67	3.39	3.11
-FSO2-66.6	66.66670	3.67	3.39	3.11

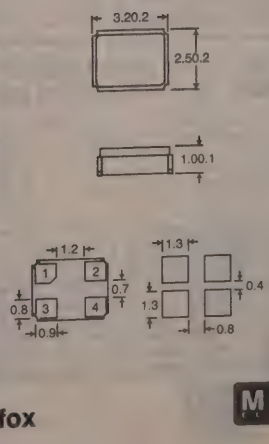
F330 SERIES CLOCK OX OSCILLATORS

DIMENSIONS mm

3V Operation
andby Function
perating Temperature: -10°C ~ +70°C
equency Stability: ±50ppm @ -10°C ~ +70°C
CMOS Output

Pin Connections:
1 - E/D
2 - GND
3 - Output
4 - VDD



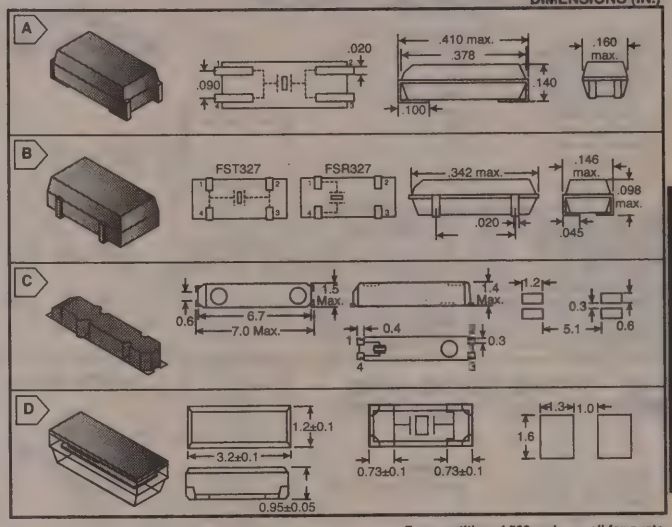


For quantities of 100 and up, call for quote.

MOUSER TOCK NO.	Frequency (MHz)	Price Each 1	5	10	50
9-F335-184	1.8432	13.08	11.45	9.81	9.16
9-F335-368	3.6864	13.08	11.45	9.81	9.16
9-F335-400	4.0000	13.08	11.45	9.81	9.16
9-F335-800	8.0000	13.08	11.45	9.81	9.16
9-F335-1000	10.0000	13.08	11.45	9.81	9.16
9-F335-1105	11.0592	13.08	11.45	9.81	9.16
9-F335-1200	12.0000	13.08	11.45	9.81	9.16
9-F335-1843	18.4320	13.08	11.45	9.81	9.16
9-F335-2000	20.0000	13.08	11.45	9.81	9.16
9-F338-2200	22.0000	13.08	11.45	9.81	9.16
9-F335-2400	24.0000	13.08	11.45	9.81	9.16
9-F335-2457	24.5760	13.08	11.45	9.81	9.16
9-F335-2500	25.0000	13.08	11.45	9.81	9.16
9-F335-2700	27.0000	13.08	11.45	9.81	9.16
9-F335-3200	32.0000	13.08	11.45	9.81	9.16
9-F335-4000	40.0000	13.08	11.45	9.81	9.16
9-F335-4400	44.0000	13.08	11.45	9.81	9.16
9-F335-4800	48.0000	13.08	11.45	9.81	9.16
9-F335-5000	50.0000	13.08	11.45	9.81	9.16

SMD TUNING FORK WATCH CRYSTALS

DIMENSIONS (IN.)



- For applications that require the watch frequency (32.76 kHz).
- Sturdy thermoplastic housing
- 2.5mm height max.
- Operating temp.: -40°C to +85°C
- Frequency tolerance: ±20PPM

For quantities of 500 and up, call for quote.

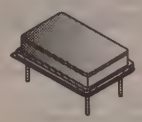
MOUSER STOCK NO.	Fig.	Frequency (kHz)	Price Each 1	10	100
559-FSM327	A	32.768	1.14	1.07	1.04
559-FST327	B	32.768	.83	.78	.75
559-FSR327	B	32.768	1.00	.95	.91
559-FSX327	C	32.768	3.38	2.96	2.62
559-FSN327	D	32.768	2.50	2.19	1.94

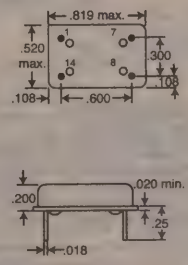
FULL SIZE TTL CLOCK OSCILLATORS

DIMENSIONS (IN.)

- Operating temp.: 0°C to +70°C
- Storage temp.: -55°C to +125°C
- Supply volt.: 5.0VDC ±0.5
- Output symmetry:
  1.000 to 7.999 = 45%/55% (min/max)
  8.000 to 100.000 = 40%/60% (min/max)
- Frequency Stability: ±100PPM

Pin Connections:
1 - N.C
8 - Output
7 - GND (Case)
14 - +5VDC





For quantities of 500 and up, call for quote.

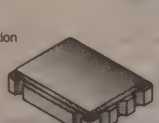
MOUSER STOCK NO.	Frequency (MHz)	Price Each 1	10	100
559-F1100E-184	1.843200	1.58	1.44	1.31
559-F1100E-245	2.457600	1.58	1.44	1.31
559-F1100E-368	3.686400	1.58	1.44	1.31
559-F1100E-400	4.000000	1.58	1.44	1.31
559-F1100E-737	7.372800	1.58	1.44	1.31
559-F1100E-800	8.000000	1.58	1.44	1.31
559-F1100E-1000	10.000000	1.58	1.44	1.31
559-F1100E-1105	11.059200	1.58	1.44	1.31
559-F1100E-1200	12.000000	1.58	1.44	1.31
559-F1100E-1431	14.318180	1.58	1.44	1.31
559-F1100E-1474	14.745600	1.58	1.44	1.31
559-F1100E-1600	16.000000	1.58	1.44	1.31
559-F1100E-2000	20.000000	1.58	1.44	1.31
559-F1100E-2400	24.000000	1.58	1.44	1.31
559-F1100E-2500	25.000000	1.58	1.44	1.31
559-F1100E-3200	32.000000	1.58	1.44	1.31
559-F1100E-4000	40.000000	1.58	1.44	1.31
559-F1100E-4800	48.000000	1.58	1.44	1.31
559-F1100E-5000	50.000000	1.58	1.44	1.31
559-F1100E-6400	64.000000	1.89	1.73	1.57
559-F1100E-8000	80.000000	2.84	2.59	2.35

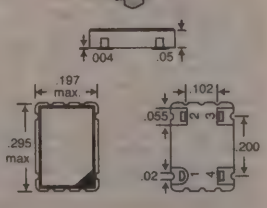
MINI SMD HCMOS OSCILLATORS

DIMENSIONS (IN.)

- Sealed ceramic package
- For applications such as portable computers and peripherals, telecommunication devices and instrumentation.
- Operating temp: -10°C to +70°C
- Frequency stability: ±100PPM

Pin Connections:
1 - Enable/Disable Function
2 - GND
3 - Output
4 - +5VDC





For quantities of 500 and up, call for quote.

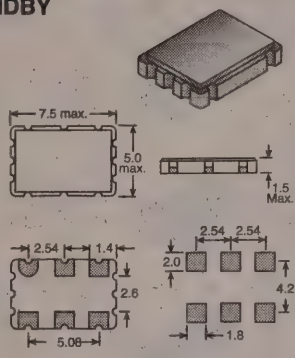
MOUSER STOCK NO.	Frequency (MHz)	Price Each 1	10	100
559-F3345-184	1.843200	4.51	4.23	4.09
559-F3345-1000	10.000000	6.35	5.72	5.08
559-F3345-1431	14.318118	4.51	4.23	4.09
559-F3345-2400	24.000000	4.51	4.23	4.09
559-F3345-2500	25.000000	4.51	4.23	4.09
559-F3345-3200	32.000000	4.51	4.23	4.09
559-F3345-4000	40.000000	4.51	4.23	4.09
559-F3345-5000	50.000000	4.67	4.38	4.23
559-F3345-6400	64.000000	5.44	4.94	4.77

F4600 SERIES LV-PECL OSCILLATORS WITH STANDBY

- Operating temp.: -10°C to +70°C (F605), -10°C to +70°C (F608)
- Frequency stability: ±20PPM (F4608), ±20PPM (F4605)
- 3.3V Operation
- Standby Function
- LV-PECL Output

Pin Connections:
1 - Enable/Disable Function
2 - NC
3 - GND
4 - Output 1
5 - Output 2
6 - VDD

DIMENSIONS mm



For quantities of 50 and up, call for quote.

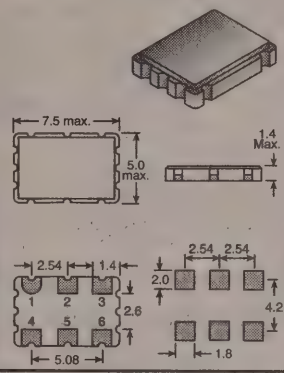
MOUSER STOCK NO.	Frequency (MHz)	Price Each 1	5	10
559-F4605-1000	100.000	70.00	61.25	52.00
559-F4605-1062	106.250	70.00	61.25	52.00
559-F4605-1250	125.000	70.00	61.25	52.00
559-F4608-1555	155.520	80.00	70.00	60.00
559-F4606-1562	156.250	80.00	70.00	60.00

RFV300 SERIES RFXO LV-PECL OSCILLATORS

- Frequency stability: (-20~+70°C) ±20PPM, (-40~+85°C) ±25PPM
- 3.3V Operation
- High Performance
- Complementary Output

Pin Connections:
1 - Enable/Disable Function
2 - NC
3 - GND
4 - Output 1
5 - Output 2
6 - VDD

DIMENSIONS mm



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Price Each 1	5	10
559-RFX300-62208	622.080	83.78	75.40	67.02
559-RFX300-10000	1000.000	116.38	104.74	93.10
559-RFX300-12500	1250.000	116.38	104.74	93.10
559-RFV300-62208	622.080	83.78	75.40	67.02
559-RFV300-10000	1000.000	116.38	104.74	93.10
559-RFV300-12500	1250.000	116.38	104.74	93.10

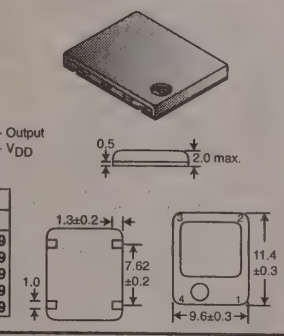
VOLTAGE CONTROLLED TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS (VCTCXO)

These SMD TCXOs are suitable for a variety of cost effective applications which require excellent frequency stability.

- Operating temp.: -30°C to +75°C
- Storage temp.: -35°C to +80°C
- Frequency stability: over temperature range: ± 2.5PPM
  over supply voltage change: ±0.3PPM
  over load change: ±0.3PPM
- Aging: ±0.8PPM/year @ 25°C
- Input current: 2.0mA
- Output load: 10KΩ, 10pF
- Supply volt.: +2.85 (min.) +3.15 (max.)

Pin Connections:
1 - N.C or Vc
2 - GND
3 - Output
4 - V_{DD}

DIMENSIONS (mm)



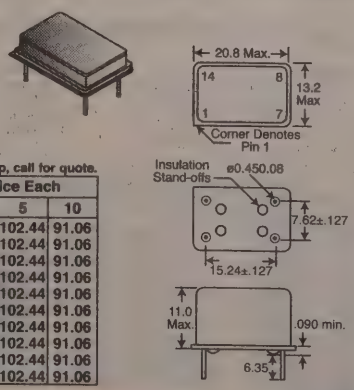
MOUSER STOCK NO.	Frequency (MHz)	Price Each 1	10	100
559-FOX801BE-1000	10.000000	13.46	12.62	12.19
559-FOX801BE-1280	12.800000	13.46	12.62	12.19
559-FOX801BE-1440	14.400000	13.46	12.62	12.19
559-FOX801BE-1600	16.000000	13.46	12.62	12.19
559-FOX801BE-1920	19.200000	13.46	12.62	12.19

DIP OVEN CONTROLLED CRYSTAL OSCILLATORS

- Operating temp.: 0°C~+70°C
- Frequency stability: ±4.6PPM (FTS501AH)
- Meets Stratum III
- 5.0V Operation
- HCMOS Output
- 14-Pin DIP

Pin Connections:
1 - Vc
2 - GND
3 - Output
4 - V_{DD}

DIMENSIONS (mm)



For quantities of 50 and up, call for quote.

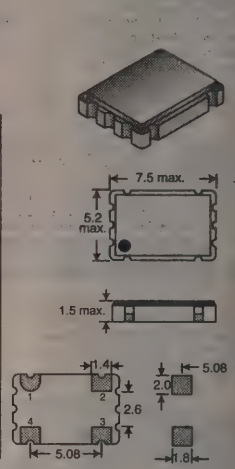
MOUSER STOCK NO.	Frequency (MHz)	Price Each 1	5	10
559-FTS501AH-1000	10.0000	113.82	102.44	91.06
559-FTS501AH-1280	12.8000	113.82	102.44	91.06
559-FTS501AH-1300	13.0000	113.82	102.44	91.06
559-FTS501AH-1944	19.4400	113.82	102.44	91.06
559-FTS501AH-2000	20.0000	113.82	102.44	91.06
559-FTS501AH-2048	20.4800	113.82	102.44	91.06
559-FTS501AH-2600	26.0000	113.82	102.44	91.06
559-FTS501AH-3276	32.7680	113.82	102.44	91.06
559-FTS501AH-3888	38.8800	113.82	102.44	91.06
559-FTS501AH-4000	40.0000	113.82	102.44	91.06

SMD HCMOS 3.3V CLOCK OSCILLATORS

- Operating temp.: -10°C to +70°C
- Storage temp.: -55°C to +125°C
- Supply volt.: 3.3VDC ±10%
- Frequency Stability: ±100PPM
- Output symmetry:
  1.544 to 50.000 = 45%/55% (min/max)
  50.000 to 106.25 = 40%/60% (min/max)

Pin Connections:
1 - Enable/Disable
2 - GND
3 - Output
4 - 3.3VDC

DIMENSIONS



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Price Each 1	10	100
559-F4100-184	1.843200	4.69	4.40	4.25
559-F4100-1000	10.000000	4.69	4.40	4.25
559-F4100-1431	14.318180	4.69	4.40	4.25
559-F4100-1600	16.000000	4.69	4.40	4.25
559-F4100-2000	20.000000	4.69	4.40	4.25
559-F4100-2500	25.000000	4.69	4.40	4.25
559-F4100-3200	32.000000	4.69	4.40	4.25
559-F4100-3333	33.333000	4.69	4.40	4.25
559-F4100-4000	40.000000	4.69	4.40	4.25
559-F4100-5000	50.000000	4.83	4.53	4.38
559-F4100-6666	66.666700	5.44	5.10	4.93
559-F4105-7500	75.000	7.14	6.25	4.64
559-F4105-7776	77.760	7.14	6.25	4.64
559-F4105-8000	80.000	7.14	6.25	4.64
559-F4105-9000	90.000	7.14	6.25	4.64
559-F4105-10000	100.000	15.64	13.69	10.17
559-F4105-10625	106.250	15.64	13.69	10.17
559-F4105-12500	125.000	15.64	13.69	10.17

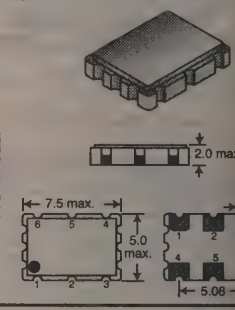
VOLTAGE CONTROLLED CRYSTAL OSCILLATORS (VCXO)

DIMENSIONS (m

These SMD VCXOs are a tight stability, voltage controlled oscillator that is available in a wide range of stability and pullability options. It was designed to be a general purpose VCXO with minimum utilization of board space.

- Operating temp.: -10°C to +70°C
- Storage temp.: -40°C to +85°C
- Frequency stability: ± 50PPM
- Input current: 1.0-30MHz - 15mA
  30.0-45.0MHz - 25mA
- Output load: HCMOS - 15pF
- Supply volt.: +3.0 (min.) +3.6 (max.)
- Control volt.: +0.15V (min.) +3.15V (max.)

Pin Connections:
1 - Vcont
2 - E/D
3 - GND
4 - Output
5 - N.C
6 - V_{DD}



MOUSER STOCK NO.	Frequency (MHz)	Price Each 1	10	100
559-VCS25AXT-409	4.096000	8.99	8.43	8.15
559-VCS25AXT-819	8.192000	8.99	8.43	8.15
559-VCS25AXT-1228	12.288000	8.99	8.43	8.15
559-VCS25AXT-1638	16.384000	7.12	6.68	6.45
559-VCS25AXT-2700	27.000000	7.12	6.68	6.45
559-VCS25AXT-4473	44.736000	7.55	7.08	6.84

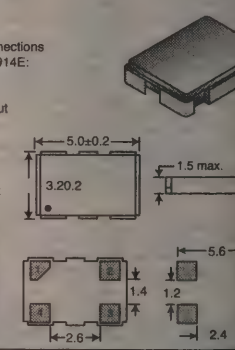
3.0V ULTRA MINIATURE SMD FOX914 SERIES OSCILLATORS

- Operating temp.: -20°C to +75°C (FOX914E)
- 3.0V Operation
- 1.5mm Height Max
- Clipped Sine Output

Pin Connections for FOX914B:
1 - GND
2 - GND
3 - Output
4 - V_{DD}

Pin Connections for FOX914E:
1 - Vc
2 - GND
3 - Output
4 - V_{DD}

DIMENSIO (mm)



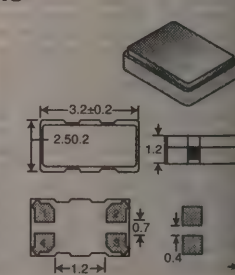
MOUSER STOCK NO.	Frequency (MHz)	Price Each 1	5	10
559-FOX914E-1280	12.800	17.06	14.93	12.80
559-FOX914E-1300	13.000	17.06	14.93	12.80
559-FOX914E-1440	14.400	17.06	14.93	12.80
559-FOX914E-1920	19.200	17.06	14.93	12.80
559-FOX914E-1944	19.440	17.06	14.93	12.80
559-FOX914E-2000	20.000	17.06	14.93	12.80
559-FOX914E-2600	26.000	17.06	14.93	12.80

3.0V ULTRA MINIATURE SMD FOX914 SERIES OSCILLATORS

- Operating temp.: -20°C to +75°C (FOX923E)
- 3.0V Operation
- 1.2mm Height Max
- Clipped Sine Output

Pin Connections:
1 - Vc
2 - GND
3 - Output
4 - V_{DD}

DIMENSIO (mm)



MOUSER STOCK NO.	Frequency (MHz)	Price Each 1	5	10
559-FOX923E-1300	13.000	30.00	26.25	22.50
559-FOX923E-1440	14.400	30.00	26.25	22.50
559-FOX923E-1920	19.200	30.00	26.25	22.50
559-FOX923E-1944	19.440	30.00	26.25	22.50
559-FOX923E-2000	20.000	30.00	26.25	22.50
559-FOX923E-2600	26.000	30.00	26.25	22.50

MOUSER a tti company (800) 346-6873

MURATA Ceramic Resonators

muRata
Innovator in Electronics

RAMIC RESONATORS (CERALOCK®)
P TYPE THREE-TERMINALS CSTCC/E/R/W SERIES

s package technology expertise has enabled the development of the Chip "CERALOCK" with built-in load capacitors. High-density mounting can be realized because mall package and the elimination of the need for an external load capacitor.

res:
ation circuits do not require external load capacitors.
esonators are extremely small and have a low profile.
ljustment is necessary for oscillation circuits.

Application:
- Clock oscillators for microprocessors.
- Electronic control circuits for small electronic equipment
- Audio-visual applications (Camcorder, Remote Contoller, etc.)
- Office automation equipment (DVD, CD-ROM, HDD, FDD, etc.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Oscillating Frequency (KHz)	Tolerance ±	Temperature Range (°C)	Temperature Stability %	Price Each 1	Price Each 10	Price Each 100	Reel Qty.	Price Per Piece
CC-G Series Commercial											
STCC2.0MG-TC	CSTCC2M00G53-R0	A	2.00	0.5%	-20 to +80	±0.3	.74	.63	.49	2000	.38
STCC3.58MG-TC	CSTCC3M58G53-R0	A	3.58	0.5%	-20 to +80	±0.3	.57	.48	.38	2000	.29
CR-G Series Commercial											
STCR4M00G53	CSTCR4M00G53-R0	B	4.00	0.5%	-20 to +80	±0.2	.56	.47	.37	3000	.29
STCR4M19G53	CSTCR4M19G53-R0	B	4.19	0.5%	-20 to +80	±0.2	.56	.47	.37	3000	.29
STCR4M91G53	CSTCR4M91G53-R0	B	4.91	0.5%	-20 to +80	±0.2	.64	.55	.43	3000	.33
STCR5M00G53	CSTCR5M00G53-R0	B	5.00	0.5%	-20 to +80	±0.2	.57	.48	.38	3000	.29
STCR6M00G53	CSTCR6M00G53-R0	B	6.00	0.5%	-20 to +80	±0.2	.56	.48	.38	3000	.29
CE-G Series Commercial											
STCE8M00G55-R0	CSTCE8M00G55-R0	C	8.00	0.5%	-20 to +80	±0.2	.61	.52	.40	3000	.31
STCE10M0G55-R0	CSTCE10M0G55-R0	C	10.00	0.5%	-20 to +80	±0.2	.67	.57	.44	3000	.34
STCE12M0G55-R0	CSTCE12M0G55-R0	C	12.00	0.5%	-20 to +80	±0.2	.82	.70	.55	3000	.42
STCE16M0V53-R0	CSTCE16M0V53-R0	C	16.00	0.5%	-20 to +80	±0.2	.89	.76	.59	3000	.46
STCE20M0V53-R0	CSTCE20M0V53-R0	C	20.00	0.5%	-20 to +80	±0.2	.89	.76	.59	3000	.46
CW-X Series Commercial											
STCW24M0X53-R0	CSTCW24M0X53-R0	D	24.00	0.5%	-20 to +80	±0.2	.74	.63	.50	3000	.38
STCW48M0X51-R0	CSTCW48M0X51-R0	D	48.00	0.5%	-20 to +80	±0.2	.74	.63	.50	3000	.38

AD TYPE THREE-TERMINALS CSTLS SERIES

's ceramic resonator, "CERALOCK" has been widely applied as the most suitable component for clock oscillators in a broad range of microprocessors.

res:
lation circuits do not require external load capacitors.
esonators are compact, light weight and exhibit superior shock
lance performance.
enable the design of oscillator circuits requiring no adjustment.

Application:
- DTMF generators
- Clock oscillators for microcomputers
- Remote control units
- Automated office equipment

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Oscillating Frequency (KHz)	Tolerance ±	Temperature Range (°C)	Temperature Stability %	Price Each 1	Price Each 10	Price Each 100	Price Each 500	Price Each 1000
LS Series Commercial											
STLS2M00G53-B0	CSTLS2M00G53-B0	E	2.00	0.5%	-20 to +80	±0.2	.53	.45	.35	.31	.30
STS0358MG03	CSTLS3M58G53-B0	E	3.58	0.5%	-20 to +80	±0.2	.32	.27	.21	.19	.18
STS0400MG03	CSTLS4M00G53-B0	E	4.00	0.5%	-20 to +80	±0.2	.32	.27	.21	.19	.18
STLS4M19G53-B0	CSTLS4M19G53-B0	E	4.19	0.5%	-20 to +80	±0.2	.43	.38	.32	.27	.24
STLS5M00G53-B0	CSTLS5M00G53-B0	E	5.00	0.5%	-20 to +80	±0.2	.41	.36	.31	.26	.23
STS0600MG03	CSTLS6M00G53-B0	E	6.00	0.5%	-20 to +80	±0.2	.33	.29	.22	.20	.19
STS0800MG03	CSTLS8M00G53-B0	E	8.00	0.5%	-20 to +80	±0.2	.37	.32	.25	.22	.21
STS1000MG03	CSTLS10M0G53-B0	E	10.00	0.5%	-20 to +80	±0.2	.39	.34	.26	.24	.22
STLS16M0X53-B0	CSTLS16M0X53-B0	F	16.00	0.5%	-20 to +80	±0.2	.65	.56	.44	.39	.37
STLS20M0X53-B0	CSTLS20M0X53-B0	F	20.00	0.5%	-20 to +80	±0.2	.59	.51	.41	.36	.34

AD TYPE TWO-TERMINAL CSBLA SERIES

SBLA series ceramic resonator owe their development to Murata's innovative expert technologies and the application of mass production techniques typically utilized in nufacture of piezoelectric ceramic components. Because of their high mechanical Q and consistent high quality, the CSBLA series are ideally suited to microprocessor mote control unit applications.

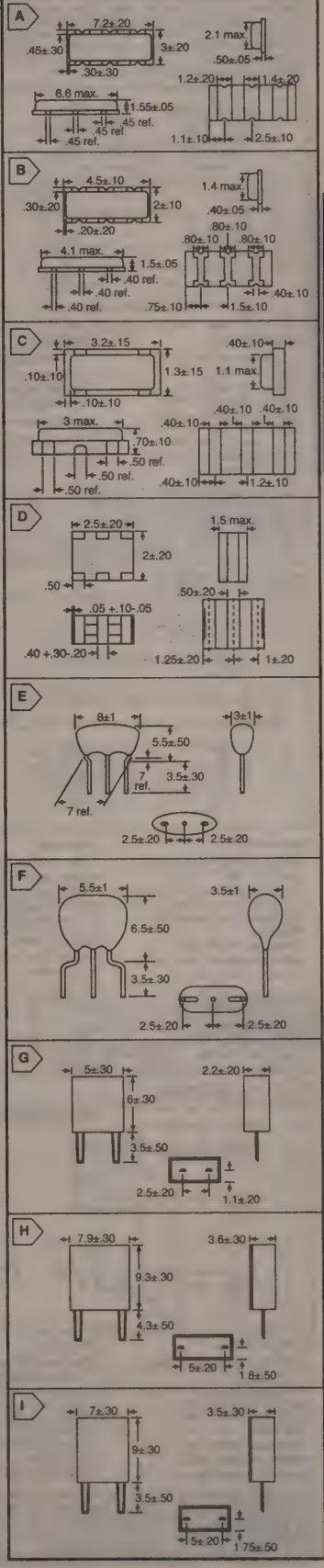
res:
eries comprises fixed, tuned, solid-state devices
esonators are miniature, light weight and exhibit excellent shock resistance
lating circuits requiring no adjustment can be designed by utilizing these
nators in conjunction with transistors or appropriate ICs.

Application:
- Square-wave and sine-wave oscillator
- Clock generator for microprocessors
- Remote control systems

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Oscillating Frequency (KHz)	Tolerance ±	Temperature Range (°C)	Temperature Stability %	Price Each 1	Price Each 10	Price Each 100	Price Each 500	Price Each 1000
hable											
SB400J	CSBLA400KJ5E-B0	G	400	0.5%	-20 to +80	±0.3	.98	.85	.66	.59	.56
SB480J	CSBLA480KJ58-B0	G	480	0.5%	-20 to +80	±0.3	.81	.70	.54	.48	.46
SB800J	CSBLA800KJ58-B0	G	800	0.5%	-20 to +80	±0.3	.74	.64	.49	.44	.42
SB1000J	CSBLA1M00J58-B0	G	1000	0.5%	-20 to +80	±0.3	.74	.64	.49	.44	.42
-Washable											
SB400P	CSBLA400KECE-B0	H	400	2kHz	-20 to +80	±0.3	.54	.46	.36	.32	.30
SB455E	CSBLA455KEC8-B0	I	455	2kHz	-20 to +80	±0.3	.59	.51	.40	.35	.33
SB480E	CSBLA480KEC8-B0	I	480	2kHz	-20 to +80	±0.3	.50	.43	.34	.30	.28
SB500E	CSBLA500KEC8-B0	I	500	2kHz	-20 to +80	±0.3	.62	.53	.41	.37	.35
SB540E	CSBLA540KEC8-B0	I	540	2kHz	-20 to +80	±0.3	.59	.51	.40	.35	.33

DIMENSIONS (mm)

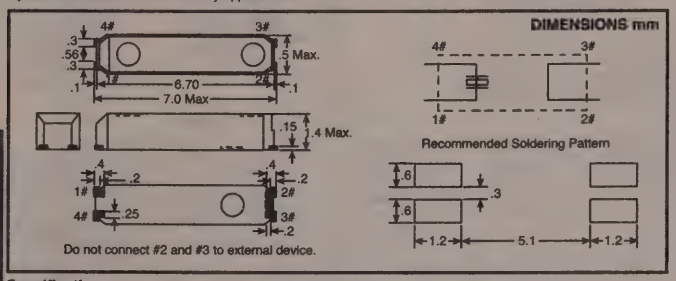


SEIKO INSTRUMENTS Tuning Fork Crystals

SII
Seiko Instrum

SSP-T7 SERIES

Seiko Instruments is an industry leader in developing miniature and thin quartz crystals using its unique photo lithographic technology. Since 1970, Seiko Instruments has produced crystals and oscillators for a variety of applications including facsimile, communications and telecommunications equipment, cellular telephones, pocket pagers, real-time clocks and electronics test and medical equipment. Outstanding reliability and miniature size with excellent shock and vibration resistance over a wide temperature range make Seiko Instruments' quartz crystals and oscillators ideal for many applications.



Specifications:

- Operating temperature range: - 40°C ~ + 85°C
- Frequency tolerance: +/- 20ppm
- Load capacitance: 12.5 pF
- Equivalent series resistance: 65kΩ max.
- Drive level: 1.0 μW max.
- Shunt capacitance: 0.8 pF typ.
- Aging: +/- 3ppm max.

Features:

- Ultra thin type with height 1.4mm max.
- SMD type suitable for automatic and high density surface mounting
- Plastic mold package containing highly reliable tubular type quartz crystal
- Excellent shock and heat resistance

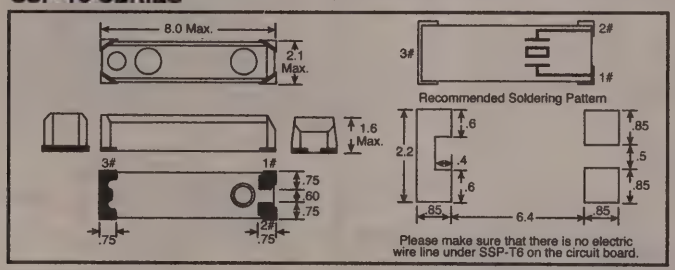
Applications:

- Radio communications equipment
- Portable applications
- PDA
- Cell phones
- DVC

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Frequency (kHz)	Price Each			
			1	10	100	500
628-SSPT7-0368	SSP-T7 32.768KHZ	32.768	1.25	1.05	.95	.90

SSP-T6 SERIES



Specifications:

- Operating temperature range: - 40°C ~ + 85°C
- Frequency tolerance: +/- 20ppm
- Load capacitance: 12.5 pF
- Equivalent series resistance: 55kΩ max.
- Drive level: 1.0μW max.
- Shunt capacitance: 0.95 pF typ.
- Aging: +/- 3ppm max.

Features:

DIMENSIONS mm

- Ultra thin type with height 1.6mm max.
- Ultra small mounting area of 16.8mm²
- SMD type suitable for automatic and high density surface mounting
- Plastic mold package incorporated tubular type quartz crystal
- Excellent shock and heat resistance

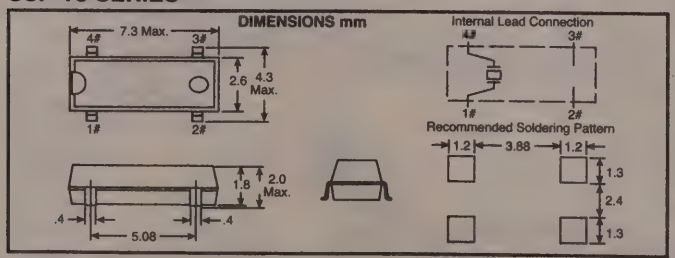
Applications:

- Radio communications equipment
- Cell phones
- Pagers
- Portable applications

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Frequency (kHz)	Price Each			
			1	10	100	500
628-SSPT6-0368	SSP-T6 32.768KHZ	32.768	1.00	.84	.76	.72

SSP-T3 SERIES



Specifications:

- Operating temperature range: - 40°C ~ + 85°C
- Frequency tolerance: +/- 20ppm
- Load capacitance: 12.5 pF
- Equivalent series resistance: 55kΩ max.
- Drive level: 1.0μW max.
- Shunt capacitance: 0.9 pF typ.
- Aging: +/- 3ppm max.

Features:

- Low height 2.0mm max
- Plastic mold package incorporated tubular type quartz crystal
- Suitable for automatic and high density surface mounting
- Excellent shock and heat resistance

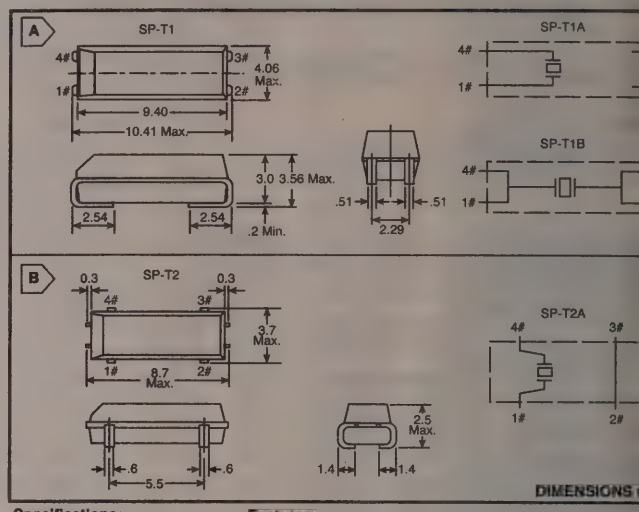
Applications:

- Radio communications equipment
- Cell phones
- Clock source for microcomputers
- Pagers
- Portable applications

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Frequency (kHz)	Price Each			
			1	10	100	500
628-SPT3A-0368	SP-T3A 32.768KHZ	32.768	.88	.74	.67	.63

SP-T1A/SP-T1B/AP-2B SERIES



Specifications:

- Operating temperature range: - 40°C ~ + 85°C
- Frequency tolerance: +/- 20ppm
- Load capacitance: 12.5 pF
- Equivalent series resistance: 50kΩ max.
- Drive level: 1.0μW max.
- Shunt capacitance: 1.0 pF typ.
- Aging: +/- 5ppm max.

Features:

- Plastic mold package incorporated tubular type quartz crystal
- Suitable for automatic and high density surface mounting
- Excellent shock and heat resistance

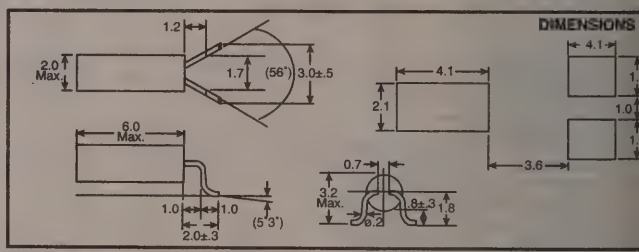
Applications:

- Radio communications equipment
- Portable applications
- Clock source for microcomputers
- Pagers
- Cell phones
- Camcorders

For quantities of 1000 and up, call for

MOUSER STOCK NO.	Seiko Part No.	Fig.	Lead Connection	Freq. (kHz)	Price Each			
					1	10	100	
628-SPT1A-0368	SP-T1A 32.768KHZ	A	SP-T1A	32.768	.80	.67	.61	
628-SPT1B-0368	SP-T1B 32.768KHZ	A	SP-T1B	32.768	.80	.67	.61	
628-SPT2A-0368	SP-T2A 32.768KHZ	B	SP-T2A	32.768	.75	.63	.57	

HTF-VT SERIES



Specifications:

- Operating temperature range: - 40°C ~ + 85°C
- Frequency tolerance: +/- 20ppm
- Load capacitance: 12.5 pF
- Equivalent series resistance: 50kΩ max.
- Drive level: 1.0μW max.
- Shunt capacitance: 0.8 pF typ.
- Aging: +/- 3ppm max.

Features:

- IR reflowable tubular type crystal with lead bent in tape/reel
- Suitable for automatic and high density surface mounting
- Excellent shock and heat resistance

Applications:

- Radio communications equipment
- Portable applications
- Clock source for microcomputers
- Pagers
- Cell phones
- Camcorders

For quantities of 1000 and up, call for

MOUSER STOCK NO.	Seiko Part No.	Frequency (kHz)	Price Each			
			1	10	100	
628-HTFVT200-0368	HTF-VT200	32.768	.70	.59	.53	

VT-200 SERIES

Specifications:

- Operating temperature range: - 10°C ~ + 60°C
- Frequency tolerance: +/- 20ppm
- Load capacitance: 12.5 pF
- Equivalent series resistance: 50kΩ max.
- Drive level: 1.0uW max.
- Shunt capacitance: 0.8 pF typ.
- Aging: +/- 5ppm max.

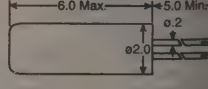
Applications:

- Radio communications equipment
- Portable applications
- Clock source for microcomputers
- Pagers

Features:

- Compact tubular package
- Photolithographic process
- Excellent shock resistance and environmental characteristics

DIMENSIONS m



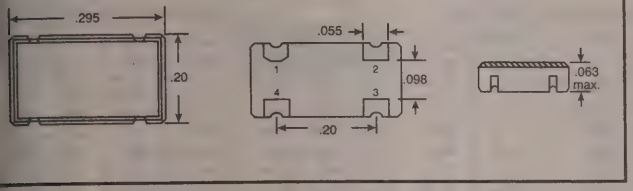
For quantities of 1000 and up, call for

MOUSER STOCK NO.	Seiko Part No.	Frequency (kHz)	Price Each			
			1	10	100	
628-VT200-0368	VT-200 32.768KHZ	32.768	.25	.21	.19	
628-VT200-F-0368	VT-200-F 32.768KHZ	32.768	.25	.21	.19	

MOUSER ELECTRONICS
a tti company
(800) 346-6873

SMD 3.0V (HCMOS/TTL)

DIMENSIONS (IN.)



ifications:

- quency stability: 100ppm
- erating temperature: 0°C to +70°C
- ut voltage: +3.3V / ±0.5V
- able Input Voltage 2.0V minimum
- able Input Voltage 0.5V maximum
- Symmetry: 1.5 to 7.999 MHz 48/52
  8.0 to 40.000 MHz 45/55
  40.001 to 70.0MHz 40/60

Pin	Connection
1	Enable/Disable
2	Ground
3	Output
4	+3.3VDC

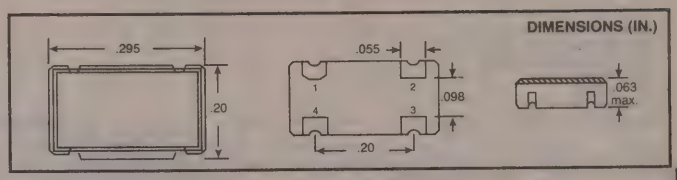
3M573BE Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
				1	10	100
-XOSM573BE184	1.843200	15	8	4.56	4.15	3.77
-XOSM573BE1000	10.000000	25	8	4.56	4.15	3.77
-XOSM573BE1431	14.318180	25	8	4.56	4.15	3.77
-XOSM573BE1600	16.000000	25	8	4.56	4.15	3.77
-XOSM573BE2000	20.000000	25	8	4.56	4.15	3.77
-XOSM573BE2500	25.000000	25	8	4.56	4.15	3.77
-XOSM573BE3200	32.000000	25	8	4.56	4.15	3.77
-XOSM573BE4000	40.000000	25	8	4.56	4.15	3.77
-XOSM573BE5000	50.000000	50	8	4.56	4.15	3.77

SMD 5.0V (HCMOS/TTL)

DIMENSIONS (IN.)



Specifications:

- Frequency stability: 100ppm
- Operating temperature: 0°C to +70°C
- Input voltage: +5.0V / ±0.5V
- Enable Input Voltage 4.0V minimum
- Disable Input Voltage 0.8V maximum
- Symmetry: 1.5 to 7.999 MHz 48/52
  8.0 to 40.000 MHz 45/55
  40.001 to 70.0MHz 40/60

Pin	Connection
1	Enable/Disable
2	Ground
3	Output
4	+5VDC

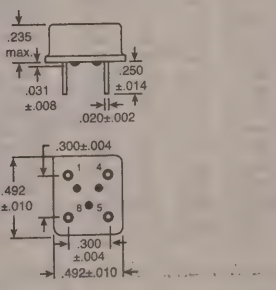
XOSM57BE Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
				1	10	100
73-XOSM57BE-184	1.843200	15	8	4.56	4.15	3.77
73-XOSM57BE400	4.000000	15	8	4.56	4.15	3.77
73-XOSM57BE491	4.915200	15	8	4.56	4.15	3.77
73-XOSM57BE500	5.000000	15	8	4.56	4.15	3.77
73-XOSM57BE737	7.372800	15	8	4.56	4.15	3.77
73-XOSM57BE1600	16.000000	25	8	4.56	4.15	3.77
73-XOSM57BE2000	20.000000	25	8	4.56	4.15	3.77
73-XOSM57BE2500	25.000000	25	8	4.56	4.15	3.77
73-XOSM57BE4000	40.000000	25	8	4.56	4.15	3.77

HALF SIZE 5.0V (HCMOS/TTL)

DIMENSIONS (IN.)



cifications:

- equency stability: 100ppm
- erating temperature: 0°C to +70°C
- ut voltage: +5V / ±0.5V
- mmetry: 1.0 to 7.999 MHz 48/52
  8.0 to 50.000MHz 45/55
- rmetically sealed package
- tput load: 50pF or 10 TTL
- ads from 1.0 to 40.0MHz, 15pF or
  TTL
- ads 40.1 to 100MHz

n	Connection
	N.C.
	Ground
	Output
	+5VDC

52B Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
				1	10	100
3-XO52B100	1.000000	15	10	2.24	2.04	1.85
3-XO52B184	1.843200	15	10	2.24	2.04	1.85
3-XO52B245	2.457600	15	10	2.24	2.04	1.85
3-XO52B368	3.686400	15	10	2.24	2.04	1.85
3-XO52B400	4.000000	15	10	2.24	2.04	1.85
3-XO52B491	4.915200	15	10	2.24	2.04	1.85
3-XO52B500	5.000000	15	10	2.24	2.04	1.85
3-XO52B800	8.000000	25	10	2.24	2.04	1.85
3-XO52B1000	10.000000	25	10	2.24	2.04	1.85
3-XO52B1200	12.000000	25	10	2.24	2.04	1.85
3-XO52B1431	14.318180	25	10	2.24	2.04	1.85
3-XO52B1600	16.000000	25	10	2.24	2.04	1.85
3-XO52B2000	20.000000	25	10	2.24	2.04	1.85
3-XO52B2400	24.000000	25	10	2.24	2.04	1.85
3-XO52B2500	25.000000	25	10	2.24	2.04	1.85
3-XO52B3200	32.000000	25	10	2.24	2.04	1.85
3-XO52B4000	40.000000	25	10	2.24	2.04	1.85
3-XO52B5000	50.000000	25	10	2.24	2.04	1.85

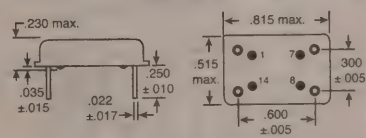
FULL SIZE 5.0V (HCMOS/TTL)

Pin	Connection
1	N.C.
7	Ground
8	Output
14	+5VDC

Specifications:

- Frequency tolerance: 100ppm
- Operating temperature: 0°C to +70°C
- Input voltage: +5V / ±0.5V
- Symmetry: 1.0 to 7.999MHz 48/52 8.0 to 50.000MHz 45/55
- Hermetically sealed package
- Output load: 50pF or 10 TTL, Loads from 1.0 to 40.0MHz, 15pF or 10 TTL, Loads 40.1 to 100MHz

DIMENSIONS (IN.)



XO54B Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
				1	10	100
73-XO54B100	1.000000	15	10	2.24	2.04	1.85
73-XO54B184	1.843200	15	10	2.24	2.04	1.85
73-XO54B368	3.686400	15	10	2.24	2.04	1.85
73-XO54B400	4.000000	15	10	2.24	2.04	1.85
73-XO54B491	4.915200	20	10	2.24	2.04	1.85
73-XO54B500	5.000000	20	10	2.24	2.04	1.85
73-XO54B800	8.000000	20	10	2.24	2.04	1.85
73-XO54B1000	10.000000	20	10	2.24	2.04	1.85
73-XO54B1105	11.059200	20	10	2.24	2.04	1.85
73-XO54B1600	16.000000	20	10	2.24	2.04	1.85
73-XO54B2000	20.000000	20	10	2.24	2.04	1.85
73-XO54B2400	24.000000	20	10	2.24	2.04	1.85
73-XO54B2500	25.000000	20	10	2.24	2.04	1.85
73-XO54B3200	32.000000	20	10	2.24	2.04	1.85
73-XO54B4000	40.000000	20	10	2.24	2.04	1.85
73-XO54B5000	50.000000	20	10	2.24	2.04	1.85

XO53B Series

For quantities of 500 and up, call for quote.

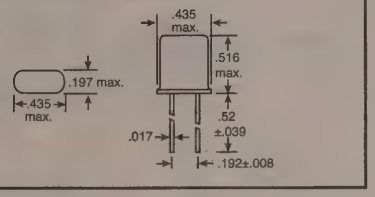
MOUSER STOCK NO.	Frequency (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
				1	10	100
73-XO53B100	1.000000	10	5	2.24	2.04	1.85
73-XO53B491	4.915200	10	5	2.24	2.04	1.85
73-XO53B737	7.372800	10	5	2.24	2.04	1.85
73-XO53B983	9.830400	20	5	2.24	2.04	1.85
73-XO53B1000	10.000000	20	5	2.24	2.04	1.85
73-XO53B1105	11.059200	20	5	2.24	2.04	1.85
73-XO53B4000	40.000000	20	5	2.24	2.04	1.85

VISHAY / DALE Microprocessor and Tuning Fork Watch Crystals

MODEL XT49U - RESISTANCE WELDED HOLDER TYPE CRYSTAL UNIT

- Industry standard
- Operating temperature: -20°C to +70°C
- Temperature stability: ±50ppm
- Wide frequency range
- "AT" cut crystal
- Housed in a HC-49U package

DIMENSIONS (IN.)



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each 1	10	100
73-XT49U357-S	3.579545	Series	.53	.44	.40
73-XT49U357-20	3.579545	20pF	.53	.44	.40
73-XT49U368-S	3.686400	Series	.53	.44	.40
73-XT49U368-20	3.686400	20pF	.53	.44	.40

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each 1	10	100
73-XT49U400-S	4.000000	Series	.53	.44	.40
73-XT49U400-20	4.000000	20pF	.53	.44	.40
73-XT49U409-20	4.096000	20pF	.53	.44	.40
73-XT49U443-20	4.433619	20pF	.53	.44	.40
73-XT49U491-S	4.915200	Series	.53	.44	.40
73-XT49U491-20	4.915200	20pF	.53	.44	.40
73-XT49U506-S	5.068800	Series	.53	.44	.40
73-XT49U506-20	5.068800	20pF	.53	.44	.40
73-XT49U600-S	6.000000	Series	.53	.44	.40
73-XT49U600-20	6.000000	20pF	.53	.44	.40
73-XT49U737-S	7.372800	Series	.53	.44	.40
73-XT49U737-20	7.372800	20pF	.53	.44	.40
73-XT49U800-S	8.000000	Series	.53	.44	.40
73-XT49U800-20	8.000000	20pF	.53	.44	.40
73-XT49U819-20	8.192000	20pF	.53	.44	.40
73-XT49U921-S	9.216000	Series	.53	.44	.40
73-XT49U921-20	9.216000	20pF	.53	.44	.40
73-XT49U983-20	9.830400	20pF	.53	.44	.40
73-XT49U1000-S	10.000000	Series	.53	.44	.40
73-XT49U1000-20	10.000000	20pF	.53	.44	.40

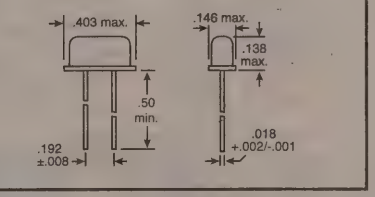
For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each 1	10	10
73-XT49U1100-S	11.000000	Series	.53	.44	.
73-XT49U1105-S	11.059200	Series	.53	.44	.
73-XT49U1105-20	11.059200	20pF	.53	.44	.
73-XT49U1200-S	12.000000	Series	.53	.44	.
73-XT49U1200-20	12.000000	20pF	.53	.44	.
73-XT49U1228-20	12.288000	20pF	.53	.44	.
73-XT49U1431-S	14.318180	Series	.53	.44	.
73-XT49U1431-20	14.318180	20pF	.53	.44	.
73-XT49U1474-S	14.745600	Series	.54	.45	.
73-XT49U1474-20	14.745600	20pF	.54	.45	.
73-XT49U1600-20	16.000000	20pF	.54	.45	.
73-XT49U1843-S	18.432000	Series	.54	.45	.
73-XT49U1966-S	19.660800	Series	.54	.45	.
73-XT49U1966-20	19.660800	20pF	.54	.45	.
73-XT49U2000-S	20.000000	Series	.54	.45	.
73-XT49U2000-20	20.000000	20pF	.54	.45	.
73-XT49U2211-S	22.118400	Series	.54	.45	.
73-XT49U2211-20	22.118400	20pF	.54	.45	.
73-XT49U2400-S	24.000000	Series	.73	.61	.
73-XT49U2400-20	24.000000	20pF	.73	.61	.

MODEL XT49S - LOW PROFILE HOLDER TYPE CRYSTAL UNITS

- Industry standard
- Operating temperature: -20°C to +70°C
- Frequency tolerance: ±50ppm @ 25°C
- Temperature stability: ±50ppm
- Shunt capacitance: 7pF max.
- Drive level: 20μW to 5mW
- Seal: resistance weld
- Wide frequency range
- "AT" cut strip crystal unit

DIMENSIONS (IN.)



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each 1	10	100
73-XT49S357-20	3.579545	20pF	.64	.53	.48
73-XT49S368-20	3.686400	20pF	.64	.53	.48
73-XT49S400-S	4.000000	Series	.64	.53	.48
73-XT49S400-20	4.000000	20pF	.64	.53	.48
73-XT49S409-20	4.096000	20pF	.64	.53	.48
73-XT49S443-20	4.433619	20pF	.64	.53	.48
73-XT49S491-20	4.915200	20pF	.64	.53	.48
73-XT49S737-S	7.372800	Series	.64	.53	.48
73-XT49S737-20	7.372800	20pF	.64	.53	.48
73-XT49S800-S	8.000000	Series	.64	.53	.48
73-XT49S800-20	8.000000	20pF	.64	.53	.48
73-XT49S1000-S	10.000000	Series	.64	.53	.48
73-XT49S1000-20	10.000000	20pF	.64	.53	.48

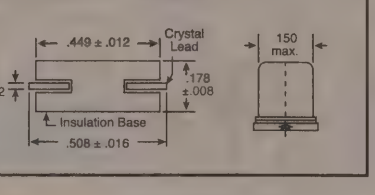
For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each 1	10	1
73-XT49S1105-S	11.059200	Series	.64	.53	.
73-XT49S1105-20	11.059200	20pF	.64	.53	.
73-XT49S1200-S	12.000000	Series	.64	.53	.
73-XT49S1200-20	12.000000	20pF	.64	.53	.
73-XT49S1431-S	14.318180	Series	.64	.53	.
73-XT49S1431-20	14.318180	20pF	.64	.53	.
73-XT49S1474-20	14.745600	20pF	.64	.53	.
73-XT49S1600-S	16.000000	Series	.64	.53	.
73-XT49S1600-20	16.000000	20pF	.64	.53	.
73-XT49S2000-S	20.000000	Series	.64	.53	.
73-XT49S2000-20	20.000000	20pF	.64	.53	.
73-XT49S2400-20	24.000000	20pF	.64	.53	.

MODEL XT49M - LOW PROFILE SMD TYPE CRYSTAL UNITS

- Industry standard
- Operating temp.: 0°C to +70°C
- Frequency tolerance: ±50ppm
- Temperature stability: ±50ppm
- Shunt capacitance: 7pF max.
- Drive level: 20mW to 5mW
- Seal: resistance weld
- Surface mount
- Hermetically sealed

DIMENSIONS (IN.)

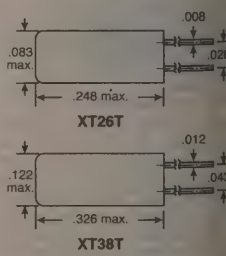


For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each 1	10	100
73-XT49M368-S	3.686400	Series	.82	.68	.62
73-XT49M368-20	3.686400	20pF	.82	.68	.62
73-XT49M400-20	4.000000	20pF	.82	.68	.62
73-XT49M409-20	4.096000	20pF	.82	.68	.62
73-XT49M491-S	4.915200	Series	.82	.68	.62
73-XT49M500-20	5.000000	20pF	.82	.68	.62
73-XT49M1000-S	10.000000	Series	.82	.68	.62
73-XT49M1105-S	11.059200	Series	.82	.68	.62
73-XT49M1105-20	11.059200	20pF	.82	.68	.62
73-XT49M1200-S	12.000000	Series	.82	.68	.62
73-XT49M1431-S	14.318180	Series	.82	.68	.62
73-XT49M1474-20	14.745600	20pF	.82	.68	.62
73-XT49M1600-S	16.000000	Series	.82	.68	.62
73-XT49M1600-20	16.000000	20pF	.82	.68	.62
73-XT49M2000-20	20.000000	20pF	.82	.68	.62
73-XT49M2400-20	24.000000	20pF	.90	.75	.68

TUNING FORK WATCH CRYSTALS

- Miniature package
- Operating temperature: -10°C to +60°C
- Drive level: 1.0mW max.
- KHz frequency
- Tight tolerance



DIMENSIONS (IN.)

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Frequency (KHz)	Price Each 1	10	1
73-XT26T	32.768000	.37	.31	.
73-XT38T	32.768000	.37	.31	.

Fair-Rite Products Corp. SURFACE MOUNT EMI SHIELD BEADS

gged construction decreases DC resistance and increases carrying capacity compared with plated beads.

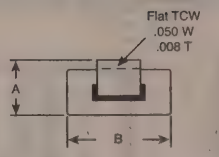
res:

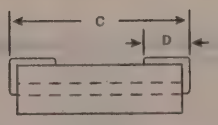
ed in low frequency (73), broadband and high frequency (61) materials

- Copper conductors have a 300 µinch tin/lead coating.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Typical Imp.		Dimensions (In.)				Price Each				
	(Ω)	MHz	A	B	C	D	1	100	500	1000	2000
2773019447	40	25	0.112	0.12	0.184	0.059	.28	.25	.18	.15	.13
2743019447	47	100	0.112	0.12	0.184	0.059	.19	.17	.12	.10	.09
2761019447	48	250	0.112	0.12	0.184	0.059	.29	.25	.18	.15	.13
2773021447	78	25	0.112	0.12	0.359	0.059	.30	.27	.20	.17	.15
2773037447	78	25	0.106	0.181	0.35	0.055	.34	.31	.28	.24	.18
2743021447	95	100	0.112	0.12	0.359	0.059	.21	.19	.14	.12	.10
2761021447	100	250	0.112	0.12	0.359	0.059	.30	.27	.19	.16	.14
2744555576	600	100	0.197	0.197	0.433	0.079	.56	.35	.28	.25	.23
2744555577	600	100	0.197	0.197	0.433	0.079	.61	.50	.39	.32	.28





Lead Free

DIMENSIONS (IN.)

For quantities of 5000 and up, call for quote.

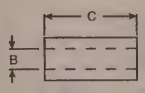
MOUSER STOCK NO.	Typical Imp.		Dimensions (In.)				Price Each				
	(Ω)	MHz	A	B	C	D	1	100	500	1000	2000
623-2773019447LF	40	25	.112	.120	.184	.184	.28	.25	.18	.15	.13
623-2773021447LF	78	25	.112	.120	.184	.359	.30	.27	.20	.17	.09
623-2743019447LF	47	100	.112	.120	.184	.184	.19	.17	.12	.10	.13
623-2743021447LF	95	100	.112	.120	.184	.359	.21	.19	.14	.12	.15
623-2761019447LF	48	250	.112	.120	.184	.184	.29	.25	.18	.15	.10
623-2761021447LF	100	250	.112	.120	.184	.359	.30	.27	.19	.16	.14

Fair-Rite Products Corp. EMI SHIELD BEADS

with a "1" as the last digit of the part number
t burnished, those with the last digit "2" are
ed burnished to break the sharp edges.

lications:

ommended suppression material of
ented signals between 20MHz and 200MHz

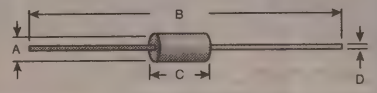


DIMENSIONS (IN.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Typ. Imp. (Ω) @ 100MHz	Dimensions (In.)			Price Each			
		A	B	C	1	100	500	1000
2643000101	40	0.138	0.051	0.128	.15	.12	.04	.03
2643002402	43	0.380	0.197	0.190	.18	.14	.04	.04
2643000301	60	0.138	0.051	0.236	.15	.12	.04	.03
2643000801	92	0.296	0.094	0.297	.17	.14	.06	.06
2643250402	102	0.250	0.125	0.500	.27	.18	.14	.09
2643000701	125	0.138	0.051	0.500	.11	.10	.09	.08
2643021801	131	0.200	0.062	0.437	.14	.11	.03	.03

Fair-Rite Products Corp. EMI SHIELD BEADS ON LEADS



Features:

- Beads on oxygen free, high conductivity copper with a tin/lead coating
- Offered in low frequency (73), broadband (43), and high frequency (61) material

DIMENSIONS (IN.)

For quantities of 2000 and up, call for quote.

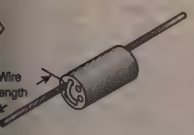
MOUSER STOCK NO.	Typical Imp.		Dimensions (In.)				Price Each			
	(Ω)	MHz	A	B	C	D	1	100	500	1000
623-2743001112	68	100	0.138	2.44	0.175	22AWG	.12	.10	.07	.06
623-2773007112	115	25	0.138	2.44	0.374	22AWG	.18	.15	.13	.11
623-2743002112	133	100	0.138	2.44	0.35	22AWG	.12	.10	.07	.06
623-2743007112	150	100	0.138	2.44	0.374	22AWG	.22	.16	.09	.06
623-2761002112	168	250	0.138	2.44	0.35	22AWG	.18	.16	.12	.09
623-2773009112	170	25	0.138	2.44	0.545	22AWG	.22	.19	.14	.11
623-2743009112	220	100	0.138	2.44	0.545	22AWG	.12	.10	.07	.06

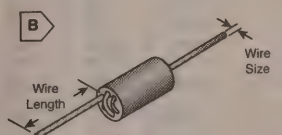
Lead Free

For quantities of 2000 and up, call for quote.

623-2743001112LF	68	100	.138	2.440	.175	22AWG	.12	.10	.07	.06
623-2743002112LF	133	100	.138	2.440	.350	22AWG	.12	.10	.07	.06
623-2761002112LF	168	250	.138	2.440	.350	22AWG	.18	.16	.12	.09
623-2773009112LF	170	25	.138	2.440	.545	22AWG	.22	.19	.14	.11
623-2743009112LF	220	100	.138	2.440	.545	22AWG	.12	.10	.08	.07

Fair-Rite Products Corp. WOUND EMI SHIELD BEADS





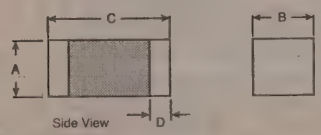
tures:

re used for winding is oxygen free, high conductivity copper with a tin/lead plating.
lered in broadband (44) and high frequency (61) materials

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Typical Imp.		Turns	Wire Size	Wire Length (In.)	Price Each			
		(Ω)	MHz				1	100	500	1000
2944666661	A	470	100	1 1/2	24AWG	1.5	.30	.25	.17	.15
2961666661	A	405	200	1 1/2	24AWG	1.5	.40	.35	.23	.20
2944666671	B	850	50	2 1/2	24AWG	1.5	.31	.27	.18	.16
2961666671	B	845	100	2 1/2	24AWG	1.5	.41	.36	.24	.21
d Free										
2944666661LF	A	470	100	1 1/2	24AWG	1.5	.30	.25	.17	.15
2961666661LF	A	405	200	1 1/2	24AWG	1.5	.40	.35	.23	.20
2944666671LF	B	850	50	2 1/2	24AWG	1.5	.31	.27	.18	.16
2961666671LF	B	845	100	2 1/2	24AWG	1.5	.41	.36	.24	.20

Fair-Rite Products Corp. EMI SUPPRESSION CHIP BEADS



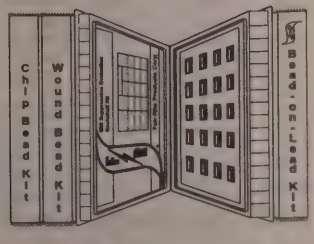
Features:

- Standard Signal Speed
- Controlled 100% for impedance and DCR
- Suitable for both wave and reflow solder process

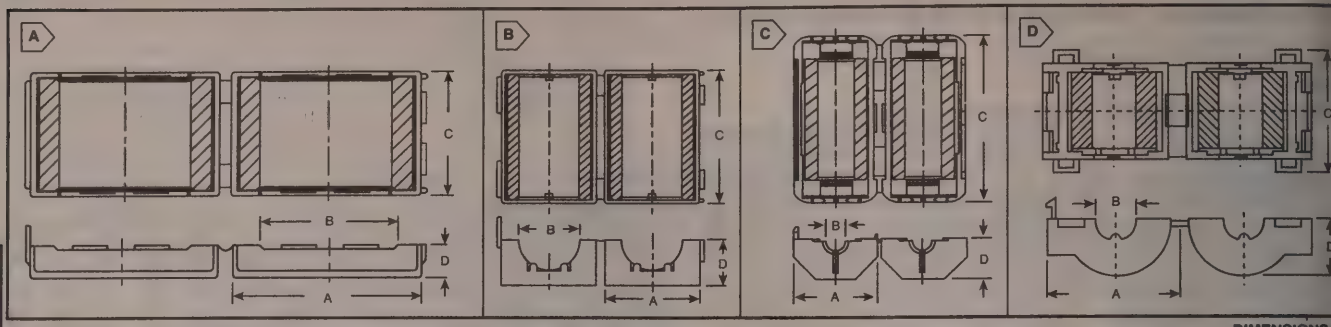
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Z(Ω)±25% @100MHz	Max Current (mA)	Dimensions (In.)				Price Each			
			A	B	C	D	1	100	500	1000
623-2518065007Y6	50	6000	.063	.063	.177	.024	.25	.20	.15	.13
623-2512067007Y3	70	3000	.043	.063	.126	.022	.30	.26	.21	.17
623-2518068007Y6	80	6000	.063	.063	.177	.024	.39	.35	.31	.26
623-2518121217Y6	80	6000	.063	.126	.177	.022	.45	.22	.19	.16
623-2506033017Y0	300	100	.031	.031	.063	.016	.20	.10	.08	.06
623-2506036017Y0	600	100	.031	.031	.063	.016	.26	.13	.12	.09
623-2508056017Y0	600	200	.035	.049	.079	.018	.05	.05	.05	.04
623-2512066017Y1	600	1000	.043	.063	.126	.022	.32	.27	.21	.18

Fair-Rite Products Corp. KITS



MOUSER STOCK NO.	Type	Description	Price Each
623-019917	Snap-It Cable Suppressor Kit	This kit contains 6 sizes of each in suppression materials 44 and 31 that "snap on" to installed cables.Either material in the snap-its can be used to supress frequencies up to 500 MHz.	52.80
623-019918	Chip Bead Kit	This kit provides 20 different chip bead parts in four different EIA standard package sizes. It includes low, medium, and high current chip beads.Also included are a selection of low, standard and high speed parts.	63.36
623-019919	EMI Suppression Shield Bead Kit	This kit contains different EMI suppression beads ranging in hole diameter from dia. from 0.85mm to 5.0mm in both 73 and 43 materials for frequencies between 20-200 MHz.	52.80
623-019924	RFID Kit	This kit contains 10 different size rods in 78 and 61 materials centered around 125 kHz and 13.56 MHz.	52.80
623-019925	Surface Mount Bead Kit	This kit contains an assortment of 20 different differential and common mode surface mount suppressors in 73, 43, 44, and 61 materials. These beads attenuate conducted EMI from 1 MHz to the GHz frequencies.	52.80
623-019927	Wound Bead Kit	This kit contains an assortment of 6 and 11 hole beads in 44 and 61 materials wound in various configurations.	52.80
623-019928	Bead-on-Lead Kit	This kit contains 3 of the most popular bead sizes in materials 73, 43 and 61.	52.80



DIMENSIONS

Fair-Rite Products Corp. EMI SUPPRESSION CORES WITH CASES

Flat Cable Cores with Cases

- Case material: Polypropylene
- Flammability rating: UL94-V0

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fair-Rite Part No.	Fig.	Typ. Imp. (Ω) @ 100MHz	Typ. Imp. (Ω) @ 10MHz	Dimensions (In.)				Price Each		
					A	B	C	D	1	10	50
623-0443166651	0443166651	A	225	---	1.950	1.350	1.272	.320	3.19	2.90	2.64
623-0443163951	0443163951	A	235	35	2.670	2.050	1.272	.320	4.45	4.04	3.67
623-0443164051	0443164051	A	215	---	3.180	2.570	1.272	.320	5.30	4.82	4.38

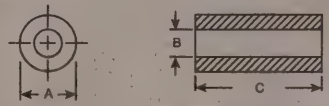
Round Cable Cores with Cases

For quantities of 100 and up, call for q

MOUSER STOCK NO.	Fair-Rite Part No.	Fig.	Typ. Imp. (Ω) @ 10MHz	Typ. Imp. (Ω) @ 25MHz	Typ. Imp. (Ω) @ 100MHz	Typ. Imp. (Ω) @ 250MHz	Typ. Imp. (Ω) @ 500MHz	Dimensions (In.)				Price Each		
								A	B	C	D	1	10	5
Material 31														
623-0431164181	0431164181	C	100	156	260	---	---	1.220	0.512	1.550	0.600	4.01	3.60	2.8
623-0431164281	0431164281	C	113	188	310	---	---	0.788	0.260	1.550	0.385	2.18	1.81	1.5
623-0431164951	0431164951	C	100	169	280	---	---	0.680	0.200	1.420	0.331	1.47	1.32	1.0
623-0431167281	0431167281	C	81	144	240	---	---	0.933	0.400	1.550	0.460	2.70	2.33	1.8
623-0431173951	0431173951	C	60	100	180	---	---	0.504	0.200	0.984	0.220	1.40	1.15	1.0
623-0431176451	0431176451	C	130	225	380	---	---	1.520	0.722	1.870	0.754	6.70	5.60	5.0
623-0431177081	0431177081	C	145	235	375	---	---	2.220	1.000	1.690	1.080	18.64	15.36	14.2
Material 43														
623-0443164151	0443164151	B	---	156	250	---	---	1.142	0.528	1.280	0.583	3.43	3.12	2.8
623-0443164251	0443164251	B	---	163	275	---	---	0.705	0.275	1.272	0.362	1.97	1.79	1.6
623-0443167251	0443167251	B	---	138	225	---	---	0.870	0.402	1.272	0.433	2.29	2.08	1.8
623-0443625006	0443625006	D	---	50	113	---	---	0.972	0.311	0.898	0.402	1.10	.85	.8
623-0443665806	0443665806	D	---	41	88	---	---	1.035	0.362	0.843	0.433	1.71	1.55	1.4
623-0443800506	0443800506	D	---	35	75	---	---	1.169	0.504	0.811	0.500	1.63	1.48	1.3
623-0443806406	0443806406	D	---	43	90	---	---	1.350	0.591	0.835	0.591	1.56	1.42	1.2
Material 44														
623-0444164181	0444164181	C	---	138	230	---	---	1.220	0.512	1.550	0.600	2.52	2.29	2.0
623-0444164281	0444164281	C	---	156	260	---	---	0.788	0.260	1.550	0.385	1.63	1.48	1.3
623-0444167281	0444167281	C	---	125	210	---	---	0.933	0.400	1.550	0.461	2.21	2.01	1.8
623-0444173951	0444173951	C	---	94	150	---	---	0.504	0.200	0.984	0.220	1.27	1.16	1.0
623-0444176451	0444176451	C	---	175	365	---	---	1.520	0.722	1.870	0.754	6.48	5.40	4.9
623-0444177081	0444177081	C	---	195	340	---	---	2.220	1.000	1.690	1.080	13.24	11.04	10.1
Material 61														
623-0461164181	0461164181	C	---	---	206	334	475	1.220	0.512	1.550	0.600	3.90	3.30	2.6
623-0461164281	0461164281	C	---	---	269	395	430	0.788	0.260	1.550	0.385	2.27	1.90	1.5
623-0461167281	0461167281	C	---	---	195	315	450	0.933	0.400	1.550	0.461	2.79	2.48	1.9

Fair-Rite Products Corp. EMI SUPPRESSION CORES

Recommended suppression materials of unwanted signals between 10 MHz and 1000 MHz



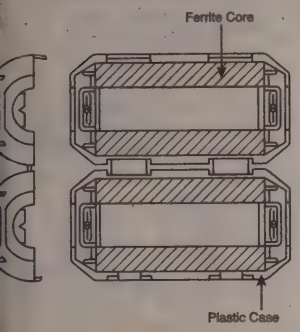
For quantities of 2000 and up, call for q

MOUSER STOCK NO.	Fair-Rite Part No.	Typ. Imp. (Ω) @ 10MHz	Typ. Imp. (Ω) @ 25MHz	Typ. Imp. (Ω) @ 100MHz	Typ. Imp. (Ω) @ 250MHz	Typ. Imp. (Ω) @ 1000MHz	Dimensions (In.)			Price Each			
							A	B	C	1	100	500	10
Material 31													
623-2631102002	2631102002	103	156	260	---	---	1.020	0.505	1.125	1.62	1.48	1.33	1.2
623-2631480002	2631480002	115	175	295	---	---	0.485	0.200	1.000	.84	.75	.66	.6
623-2631480102	2631480102	58	88	140	---	---	0.485	0.200	0.500	.42	.32	.26	.2
623-2631540002	2631540002	119	181	300	---	---	0.562	0.250	1.125	.60	.50	.45	.4
623-2631665702	2631665702	89	138	225	---	---	0.687	0.375	1.125	1.05	.76	.56	.4
Material 43													
623-2643102002	2643102002	---	145	235	---	---	1.020	0.505	1.125	1.67	1.51	1.38	1.2
623-2643480002	2643480002	---	165	236	---	---	0.485	0.200	1.000	.60	.48	.36	.2
623-2643540002	2643540002	---	171	250	---	---	0.562	0.250	1.125	.56	.51	.46	.4
623-2643625002	2643625002	---	70	113	---	---	0.625	0.312	0.562	.55	.45	.30	.2
623-2643625202	2643625202	---	235	384	---	---	0.625	0.312	2.000	1.25	1.11	1.00	.9
623-2643626402	2643626402	---	128	196	---	---	0.735	0.400	1.125	.69	.58	.46	.4
623-2643665702	2643665702	---	125	200	---	---	0.687	0.375	1.125	.70	.63	.58	.5
623-2643665802	2643665802	---	55	88	---	---	0.687	0.375	0.500	.36	.32	.30	.2
623-2643800502	2643800502	---	45	82	---	---	0.825	0.520	0.468	.45	.42	.40	.3
623-2643801002	2643801002	---	28	47	---	---	1.142	0.748	0.295	.69	.57	.49	.4
623-2643802702	2643802702	---	48	80	---	---	1.400	0.900	0.500	1.33	1.16	.99	.8
623-2643803802	2643803802	---	58	108	---	---	2.400	1.400	0.500	3.91	3.70	3.49	3.2
623-2643806402	2643806402	---	53	90	---	---	1.000	0.610	0.500	.70	.66	.62	.5
Material 61													
623-2661102002	2661102002	---	---	225	310	275	1.020	0.505	1.125	2.23	2.10	1.97	1.8
623-2661540002	2661540002	---	---	250	310	260	0.562	0.250	1.125	.90	.82	.75	.6
623-2661665702	2661665702	---	---	156	260	320	0.687	0.375	1.125	.99	.94	.88	.8

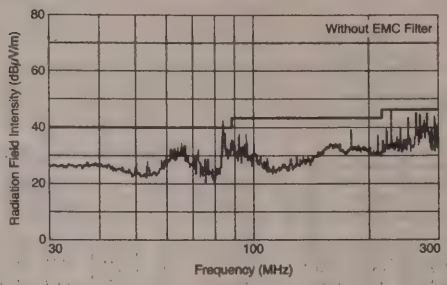
TDK ZCAT Snap-On EMI Clamp Filters

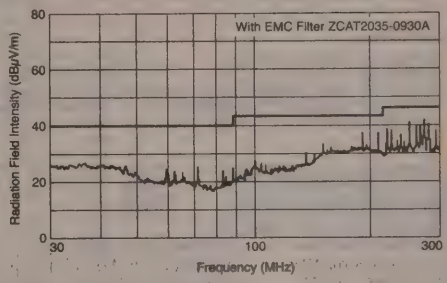
TDK

INTERNAL CONSTRUCTION



TYPICAL EMC SUPPRESSION EFFECTS - RADIATION LEVEL vs. FREQUENCY CHARACTERISTICS





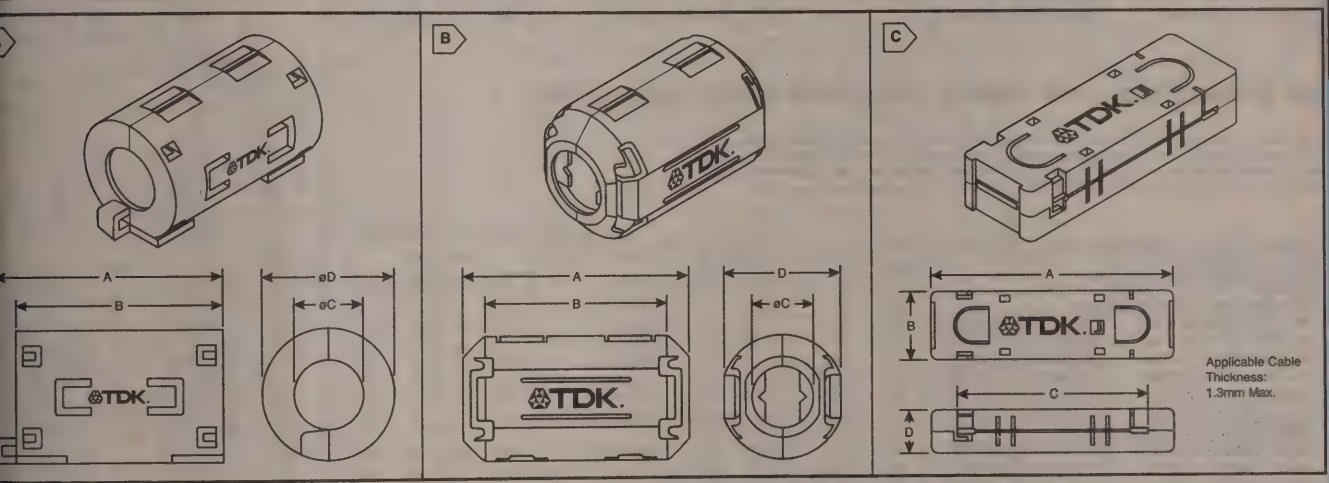
ures:

que Plastic case ensures simple, convenient installation.
udes a self-locking mechanism to prevent slippage on cables.
rite core provides excellent absorption of high-frequency EMC.

- Highly effective as countermeasure against common mode EMC without adverse affect on signal quality.
- Large cores prevent saturation during large signal surges.

Applications:

- Personal computers, word processors, monitors, hard disk drives, digital telephone systems, audio devices, electronics musical instruments, video games, copiers, and fax machines.



AT ROUND CASE - GRAY

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	TDK Stock No.	Fig.	Dimensions: mm					Cable Form	Color	Price Each				
			Total Length (A)	Case Length (B)	Inside Diameter (C)	Outside Diameter (D)	Cable Diameter			1	10	50	100	500
0-ZCAT1325-0530A	ZCAT1325-0530A	A	25	20	4	12.8	3 to 5	Round USB	Gray	1.46	.91	.76	.63	.54
0-ZCAT1518-0730	ZCAT1518-0730	A	22	18	7	15	7 max.	Round	Gray	2.21	1.38	1.15	.96	.82
0-ZCAT1730-0730A	ZCAT1730-0730A	B	30	23	7	16.5	4 to 7	Round USB	Gray	2.50	1.56	1.30	1.08	.92
0-ZCAT2017-0930	ZCAT2017-0930	A	21	17	9	20	9 max.	Round	Gray	2.62	1.64	1.37	1.14	.97
0-ZCAT2035-0930A	ZCAT2035-0930A	B	35	28	9	19.5	6 to 9	Round	Gray	2.50	1.56	1.30	1.08	.92
0-ZCAT2132-1130	ZCAT2132-1130	A	36	32	11	20.5	11 max.	Round	Gray	2.42	1.51	1.26	1.05	.89
0-ZCAT2235-1030A	ZCAT2235-1030A	B	35	28	10	21.5	8 to 10	Round	Gray	3.25	2.03	1.69	1.41	1.20
0-ZCAT2436-1330A	ZCAT2436-1330A	B	36	29	13	23.5	10 to 13	Round	Gray	4.14	2.59	2.16	1.80	1.53
0-ZCAT3035-1330	ZCAT3035-1330	A	39	34	13	30	13 max.	Round	Gray	5.18	3.24	2.70	2.25	1.91

CAT ROUND CASE - BLACK

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	TDK Stock No.	Fig.	Dimensions: mm					Cable Form	Color	Price Each				
			Total Length (A)	Case Length (B)	Inside Diameter (C)	Outside Diameter (D)	Cable Diameter			1	10	50	100	500
0-ZCAT1325-0530ABK	ZCAT1325-0530A-BK	B	25	20	5	12.8	3 to 5	Round USB	Black	1.46	.91	.76	.63	.54
0-ZCAT1518-0730BK	ZCAT1518-0730-BK	A	22	18	7	15	7 max.	Round	Black	2.21	1.38	1.15	.96	.82
0-ZCAT1730-0730ABK	ZCAT1730-0730A-BK	B	30	23	7	16.5	4 to 7	Round USB	Black	2.50	1.56	1.30	1.08	.92
0-ZCAT2017-0930BK	ZCAT2017-0930-BK	A	21	17	9	20	9 max.	Round	Black	2.62	1.64	1.37	1.14	.97
0-ZCAT2035-0930ABK	ZCAT2035-0930A-BK	B	35	28	9	19.5	6 to 9	Round	Black	2.50	1.56	1.30	1.08	.92
0-ZCAT2132-1130BK	ZCAT2132-1130-BK	A	36	32	11	20.5	11 max.	Round	Black	2.42	1.51	1.26	1.05	.89
0-ZCAT2235-1030ABK	ZCAT2235-1030A-BK	B	35	28	10	21.5	8 to 10	Round	Black	3.25	2.03	1.69	1.41	1.20
0-ZCAT2436-1330ABK	ZCAT2436-1330A-BK	B	36	29	13	23.5	10 to 13	Round	Black	4.14	2.59	2.16	1.80	1.53
0-ZCAT3035-1330BK	ZCAT3035-1330-BK	A	39	34	13	30	13 max.	Round	Black	5.18	3.24	2.70	2.25	1.91

CAT FLAT CASE - BLACK

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	TDK Stock No.	Fig.	Dimensions: mm				Cable Capacity	Cable Form	Color	Price Each				
			Length (A)	Width (B)	Cable Width (C)	Thickness (D)				1	10	50	100	500
0-ZCAT3618-2630DBK	ZCAT3618-2630D-BK	C	33.5	17.5	26	11.5	20 Wires	Flat	Black	5.18	3.24	2.70	2.25	1.91
0-ZCAT4625-3430DBK	ZCAT4625-3430D-BK	C	45.5	24.5	34	12	26 Wires	Flat	Black	8.29	5.18	4.32	3.60	3.06
0-ZCAT6819-5230DBK	ZCAT6819-5230D-BK	C	67.5	18.5	52	17	40 Wires	Flat	Black	13.82	8.64	7.20	6.00	5.10

MURATA EMI Filters & Ferrite Beads

DS_6 SERIES DISC TYPE EMIFIL® LEADED EMI SUPPRESSION FILTER

DS_6 is a compact, high performance lead type EMI suppression filter which can be mounted 2.54mm pitch. Its three terminal structure enables nice high frequency performance.

Applications:

- Computer and peripherals interfaces
- Compact digital equipment
- Compact PPC, electronic typewriters, other electronic equipment and appliances
- Helps all electronic equipment and appliances meet FCC, VDE and CISPR regulations
- STD footprint for high density mounting

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Capacitance (pF)	Capacitor Vdc	Capacitor T.C.	Ferrite Beads	Current (A)	Price Each 1	100	250	500
Manufacturers Type DSN6 Series											
81-DS306Y5S470M50	DSN6NC51H470Q55B	A	47	50	20%	None	6	.70	.39	.29	.26
81-DS306Y5S101M50	DSN6NC51H101Q55B	A	100	50	20%	None	6	.70	.39	.29	.26
81-DS306FZ103Z50	DSN6NZ81H103Q55B	A	10000	50	80%-20%	None	6	.70	.39	.29	.26
Manufacturers Type DSS6 Series											
81-DSS306Y5S470M100	DSS6NC52A470Q55B	B	47	100	20%	Internal	6	.90	.50	.36	.34
81-DSS306Y5S101M100	DSS6NC52A101Q55B	B	100	100	20%	Internal	6	.90	.50	.36	.34
81-DSS306Y5S271M100	DSS6NC52A271Q55B	B	270	100	20%	Internal	6	.90	.50	.36	.34
81-DSS306Y5S471M100	DSS6NC52A471Q55B	B	470	100	20%	Internal	6	.90	.50	.36	.34
81-DSS306Y5S102M100	DSS6NC52A102Q55B	B	1000	100	20%	Internal	6	.90	.50	.36	.34
81-DSS306Y5U222Z100	DSS6NE52A222Q55B	B	2200	100	80%-20%	Internal	6	.90	.50	.36	.34

DS_9 SERIES DISC TYPE EMIFIL® LEADED EMI SUPPRESSION FILTER

Disc type EMIFIL®, DSS9 and DST9 are T-type EMI suppression filters. The disc-type EMIFIL increases the self-resonant frequency of the capacitor by attaching two lead wires to one of the electrodes of the capacitor and increases the insertion loss by adding inductance to the lead. Frequencies to be suppressed can be selected by choosing the capacitance. They are also recommended for use as by-pass capacitors.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Capacitance (pF)	Capacitor Vdc	Capacitor T.C.	Ferrite Beads	Current (A)	Price Each 1	100	250	500
Manufacturers Type DSS9 Series											
81-DSS310Y5S220M100	DSS9NC52A220Q55B	C	22	100	20%	Internal	7	1.10	.61	.44	.41
81-DSS310Y5S470M100	DSS9NC52A470Q55B	C	47	100	20%	Internal	7	1.10	.61	.44	.41
81-DSS310Y5S271M100	DSS9NC52A271Q55B	C	270	100	20%	Internal	7	1.10	.61	.44	.41
81-DSS310Y5S222M100	DSS9NC52A222Q55B	C	2200	100	20%	Internal	7	1.10	.61	.44	.41
81-DSS310BL222M100	DSS9NP32A222Q55B	C	2200	100	20%	Internal	7	1.10	.61	.44	.41
81-DSS310Y5S223S50	DSS9NC51H223Q55B	C	22000	50	50%-20%	Internal	7	1.10	.61	.44	.41
Manufacturers Type DST9 Series											
81-DST310Y5S271M100	DST9NC52A271Q55B	D	270	100	20%	External	7	1.20	.66	.48	.45
81-DST310Y5S222M100	DST9NC52A222Q55B	D	2200	100	20%	External	7	1.20	.66	.48	.45
81-DST310Y5S223S50	DST9NC51H223Q55B	D	22000	50	50%-20%	External	7	1.20	.66	.48	.45

BNX SERIES LEADED EMI FILTER LC COMBINED TYPE

The block type "EMIFIL" BNX Series incorporates through-type capacitor, multilayer chip capacitors and bead. The BNX is high performance for use in DC power circuits.

Applications:

- Noise suppression for DC power line of large screen display
- PDP
- LCD-TV

Features:

- The filter enables obtaining high insertion loss in wide frequency ranges from 0.5MHz to 1GHz.
- The only one filter block enable noise suppression of both the positive and negative lines.
- There are no connection routes in the current circuits, thus ensuring highly reliable performance.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Vdc	Withstand Voltage	Rated Current	Insulation Resistance (min.) (MΩ)	Price Each 1	10	25	50
81-BNX002-01	BNX002-01	E	50	125	10A	100	8.70	7.25	5.80	5.08
81-BNX003-01	BNX003-01	E	150	375	10A	100	9.24	7.70	6.16	5.39
81-BNX005-01	BNX005-01	F	50	125	15A	100	12.72	10.60	8.48	7.42

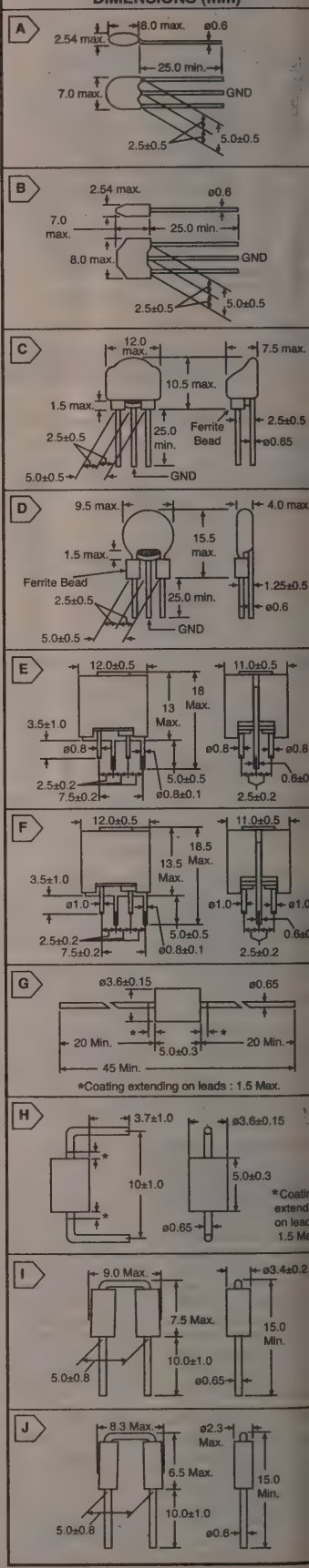
BL01/02/03 SERIES FERRITE BEAD INDUCTORS

BL01/02/03 series are ferrite beads with lead wires to produce a high frequency loss for suppression of noise. Simple construction and easy-to-use, effective for low impedance circuits such as power supplies and grounds. Effective also for preventing overshoot and undershoot of digital signal in clocks or the like, and suppressing the higher harmonic wave. Suitable for prevention of abnormal oscillation at high frequency amplifying circuit.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Number of Beads Core	Rated Current	Price Each 1	50	100	500
81-BL01RN1A1D2B	BL01RN1A1D2B	G	1	7A	.16	.11	.08	.06
81-BL01RN1A2A2B	BL01RN1A2A2B	H	1	7A	.20	.14	.11	.08
81-BL02RN2R1M2B	BL02RN2R1M2B	I	2	7A	.21	.15	.12	.09
81-BL03RN2R1M1B	BL03RN2R1M1B	J	2	7A	.22	.16	.13	.10

DIMENSIONS (mm)



URATA EMI Suppression Filters (EMIFIL®) Chip Ferrite Beads

hip ferrite beads BLM series comprises ferrite bead in the shape of a chip. This ferrite bead generates a high impedance which at high frequency mainly consists of a ance element. The BLM series is effective in circuits without stable ground lines because the BLM series does not need a connection to ground. The nickel barrier structure of ternal electrodes provides excellent solder heat resistance.

M__A SERIES DESIGNED FOR STANDARD TYPE SIGNALS

_A series generates an impedance from latively low frequencies. Therefore, _A series is effective in noise suppression ide frequency range.

Features:
- Suitable for flow and reflow soldering
- Wide temperature range; -55°C to +125°C
- High Z characteristics
- Operating Temperature: -55°C to +125°C

Applications:
- I/O ports, DC power lines, and signal lines

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Impedance (at 100MHz) (Ω)	Rated Current (mA)	Rdc Max. (Ω)	Price Each 1	50	100	500	Reel Qty.	Price Per Piece
BLM15AG700PN1D	BLM15AG700SN1D	0402	70	500	0.15	.14	.11	.08	.07	10000	.049
BLM15AG221PN1D	BLM15AG221SN1D	0402	220	300	0.35	.14	.11	.08	.07	10000	.049
BLM10A102SG	BLM15AG102SN1D	0402	1000	200	1	.14	.11	.08	.07	10000	.049
BLM11A121S	BLM18AG121SN1D	0603	120	200	0.2	.08	.06	.05	.04	4000	.025
BLM11A221S	BLM18AG221SN1D	0603	220	200	0.3	.08	.06	.05	.04	4000	.025
BLM18AG471SN1D	BLM18AG471SN1D	0603	470	200	0.5	.08	.06	.05	.04	4000	.025
BLM11A601S	BLM18AG601SN1D	0603	600	200	0.5	.08	.06	.05	.04	4000	.025
BLM11A102S	BLM18AG102SN1D	0603	1000	100	0.7	.08	.06	.05	.04	4000	.025
BLM21AG121SN1D	BLM21AG121SN1D	0805	120	200	0.15	.10	.08	.06	.05	4000	.032
BLM21AG331SN1	BLM21AG331SN1D	0805	330	200	0.25	.10	.08	.06	.05	4000	.032
BLM21A601F	BLM21AG601SN1D	0805	600	200	0.3	.10	.08	.06	.05	4000	.032
BLM21AG102SN1	BLM21AG102SN1D	0805	1000	200	0.45	.11	.09	.07	.06	4000	.036

M__B SERIES DESIGNED FOR HIGH SPEED SIGNALS

BLM__B series can minimize attenuation of the signal waveform due to its sharp impedance characteristics.

tures:
signed to reduce noise above operating quencies from 10 to 100MHz h impedance characteristics

- Suitable for flow and reflow soldering
- Operating Temperature: -55°C to +125°C

Applications:
- Computers and peripheral equipment
- Consumer products
- High speed circuits

For quantities greater than listed, call for quote.

BLM18BA100SN1D	BLM18BA100SN1D	0603	10	500	0.25	.07	.051	.037	.03	4000	.024
BLM18BB220S	BLM18BB220SN1D	0603	22	500	0.25	.07	.051	.037	.03	4000	.024
BLM18BB470SN1D	BLM18BB470SN1D	0603	47	500	0.3	.07	.051	.037	.03	4000	.024
BLM18BB600S	BLM18BB600SN1D	0603	60	200	0.35	.07	.051	.037	.03	4000	.024
BLM11B750S	BLM18BB750SN1D	0603	75	200	0.35	.07	.051	.037	.03	4000	.024
BLM18BB121SN1D	BLM18BB121SN1D	0603	120	200	0.5	.07	.051	.037	.03	4000	.024
BLM18BD121SN1D	BLM18BD121SN1D	0603	120	200	0.4	.07	.051	.037	.03	4000	.024
BLM11B141S	BLM18BB141SN1D	0603	140	200	0.55	.07	.051	.037	.03	4000	.024
BLM18BB221SN1D	BLM18BB221SN1D	0603	220	200	0.65	.07	.051	.037	.03	4000	.024
BLM18BB331SN1D	BLM18BB331SN1D	0603	330	200	0.75	.07	.051	.037	.03	4000	.024
BLM11B421S	BLM18BD421SN1D	0603	420	200	0.55	.07	.051	.037	.03	4000	.024
BLM18BD471SN1D	BLM18BD471SN1D	0603	470	200	0.55	.07	.051	.037	.03	4000	.024
BLM11B601S	BLM18BD601SN1D	0603	600	200	0.65	.07	.051	.037	.03	4000	.024
BLM18BD102SN1D	BLM18BD102SN1D	0603	1000	100	0.85	.07	.051	.037	.03	4000	.024
BLM18BD252SN1D	BLM18BD252SN1D	0603	2500	50	1.5	.07	.051	.037	.03	4000	.024
BLM21B050S	BLM21BB050SN1D	0805	5	500	0.07	.10	.075	.054	.044	4000	.035
BLM21B750S	BLM21BB750SN1D	0805	75	200	0.25	.09	.067	.049	.04	4000	.032
BLM21B201S	BLM21BB201SN1D	0805	200	200	0.35	.11	.079	.057	.046	4000	.037
BLM21B221S	BLM21BB221SN1D	0805	220	200	0.35	.09	.067	.049	.04	4000	.032
BLM21BB331SN1D	BLM21BB331SN1D	0805	330	200	0.4	.09	.067	.049	.04	4000	.032
BLM21B601S	BLM21BD601SN1D	0805	600	200	0.35	.10	.071	.052	.042	4000	.034
BLM21B751S	BLM21BD751SN1D	0805	750	200	0.4	.13	.095	.068	.056	4000	.044
BLM21B102S	BLM21BD102SN1D	0805	1000	200	0.4	.10	.075	.054	.044	4000	.035
BLM21B222S	BLM21BD222SN1L	0805	2200	200	0.6	.13	.097	.07	.057	3000	.046
BLM31B601S	BLM31BE601SN1L	1206	600	300	0.35	.28	.20	.15	.12	3000	.096

M__HD/HG SERIES DESIGNED FOR UHF APPLICATIONS

18H series has a modified internal electrode structure, that minimizes stray capacitance and increases the effective frequency range.

tures:
M18H series realizes high impedance at 1GHz and is suitable noise suppression from 500MHz to GHz range.
-type is effective in noise suppression in wide frequency range.

- HD-type for high-speed signal line provides a sharper roll-off after the cut off frequency.
- The magnetic shielded structure minimizes cross talk.
- Operating Temperature: -55°C to +125°C

For quantities of 8000 and up, call for quote.

BLM11HA471SG	BLM18HG471SN1D	0603	470	200	0.85	.13	.11	.079	.064	4000	.052
BLM11HB601SD	BLM18HD601SN1D	0603	600	100	1.5	.13	.11	.079	.064	4000	.052
BLM11HA601SG	BLM18HG601SN1D	0603	600	200	1	.13	.11	.079	.064	4000	.052
BLM11HA102SG	BLM18HG102SN1D	0603	1000	100	1.6	.13	.11	.079	.064	4000	.052
BLM11HB102SD	BLM18HD102SN1D	0603	1000	50	1.8	.13	.11	.079	.064	4000	.052

M__P SERIES DESIGNED FOR LOW DCR HIGH CURRENT CIRCUITS

_P series can match power lines to a maximum of 6A DC.

- Operating Temperature: -55°C to +125°C

For quantities greater than listed, call for quote.

BLM11P300S	BLM18PG300SN1D	0603	30	1000	0.05	.07	.051	.037	.03	4000	.024
BLM11P600S	BLM18PG600SN1D	0603	60	500	0.1	.07	.051	.037	.03	4000	.024
BLM18PG121SN1D	BLM18PG121SN1D	0603	120	2000	0.05	.07	.051	.037	.03	4000	.024
BLM18PG181SN1D	BLM18PG181SN1D	0603	180	1500	0.09	.07	.051	.037	.03	4000	.024
BLM21PG220SN1D	BLM21PG220SN1D	0805	22	6000	0.01	.08	.065	.047	.037	4000	.031
BLM21P300S	BLM21PG300SN1D	0805	30	3000	0.015	.08	.065	.047	.037	4000	.031
BLM21P600S	BLM21PG600SN1D	0805	60	3000	0.025	.08	.065	.047	.037	4000	.031
BLM21P221SG	BLM21PG221SN1D	0805	220	2000	0.05	.07	.051	.037	.03	4000	.024
BLM21P331SG	BLM21PG331SN1D	0805	330	1500	0.09	.08	.065	.047	.037	4000	.031
BLM31P330S	BLM31PG330SN1L	1206	33	6000	0.01	.22	.18	.13	.10	3000	.085
BLM31P500S	BLM31PG500SN1L	1206	50	3000	0.025	.22	.18	.13	.10	3000	.085
BLM31PG121SN1L	BLM31PG121SN1L	1206	120	3000	0.025	.22	.18	.13	.10	3000	.085
BLM31P391S	BLM31PG391SN1L	1206	390	2000	0.05	.22	.18	.13	.10	3000	.085
BLM31PG601SN1	BLM31PG601SN1L	1206	600	1500	0.09	.22	.18	.13	.10	3000	.085
BLM41P600S	BLM41PG600SN1L	1806	60	6000	0.01	.28	.23	.16	.13	2500	.11
BLM41P750S	BLM41PG750SN1L	1806	75	3000	0.025	.28	.23	.16	.13	2500	.11
BLM41P181S	BLM41PG181SN1L	1806	180	3000	0.025	.28	.23	.16	.13	2500	.11
BLM41PG102SN1L	BLM41PG102SN1L	1806	1000	1500	0.09	.29	.24	.17	.14	2500	.12

M__R SERIES DESIGNED FOR DIGITAL INTERFACE

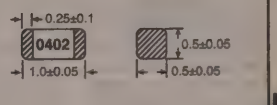
stance of BLM__R series especially grows in the lower frequency range. Therefore BLM__R series is less tive for digital signal waveform at low frequency range and can suppress the ringing.

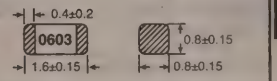
- Operating Temperature: -55°C to +125°C

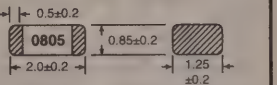
For quantities of 8000 and up, call for quote.

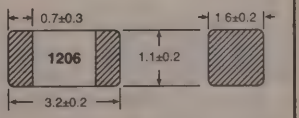
BLM18RK601SN1	BLM18RK601SN1D	0603	600	200	0.6	.07	.051	.037	.03	4000	.024
BLM18RK102SN1D	BLM18RK102SN1D	0603	1000	200	0.8	.07	.051	.037	.03	4000	.024
BLM21RK121SN1D	BLM21RK121SN1D	0805	120	200	0.15	.08	.068	.05	.044	4000	.033
BLM21RK102SN1D	BLM21RK102SN1D	0805	1000	200	0.5	.09	.075	.055	.048	4000	.036

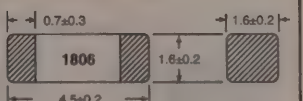
DIMENSIONS (mm)











MURATA Chip Capacitor Type & LC Combined EMI Filters

CHIP CAPACITOR TYPE EMI FILTERS

NFM21CC Series - 0805 Case Size

The "EMIFIL" NFM21C series is a chip type three terminal EMI suppression filter. It can reduce residual inductance to an extremely low level making it excellent for noise suppression at high frequencies.

Applications:

- PCs and peripherals which emit high amounts of noise
- Compact size equipment such as PDA, PC card and mobile telecommunications equipment
- Severe EMI suppression and high impedance circuits such as digital circuits

Features:

- Three terminal structure enables high performance in high frequency range.
- Uses original electrode structure which realizes excellent solderability.

For quantities of 8000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (pF)	Volt (DC)	Rated Current (mA)	Price Each 1	Price Each 100	Price Each 500	Reel Qty.	Price Per Piece
81-NFM21CC220U1H3D	NFM21CC220U1H3D	A	22	50	.7	.31	.16	.13	4000	.10
81-NFM21CC470U1H3D	NFM21CC470U1H3D	A	47	50	.7	.31	.16	.13	4000	.10
81-NFM21CC101U1H3D	NFM21CC101U1H3D	A	100	50	.7	.31	.16	.13	4000	.10
81-NFM21CC221R1H3D	NFM21CC221R1H3D	A	220	50	.7	.31	.16	.13	4000	.10
81-NFM21CC471R1H3D	NFM21CC471R1H3D	A	470	50	1.0	.31	.16	.13	4000	.10
81-NFM21CC102R1H3D	NFM21CC102R1H3D	A	1000	50	1.0	.31	.16	.13	4000	.10
81-NFM21CC222R1H3D	NFM21CC222R1H3D	A	2200	50	1.0	.31	.16	.13	4000	.10
81-NFM21CC223R1H3D	NFM21CC223R1H3D	A	22000	50	2.0	.31	.16	.13	4000	.10

NFM21PC Series - 0805 Case Size

NFM21P is a three terminal structure component. This product can be applied to large current DC power lines. NFM21P is suitable for noise suppression of DC power lines where relatively large current operates.

Features:

- The rated current of 4A is suitable for IC's individual power lines.
- Murata's original internal electrode structure design realizes excellent EMI suppression effects from low frequency to high frequency.

For quantities of 8000 and up, call for quote.

81-NFM21PC104R1E3D	NFM21PC104R1E3D	B	0.1	25	2	.25	.14	.11	4000	.09
81-NFM21PC474R1C	NFM21PC474R1C3D	B	0.47	16	2	.31	.16	.12	4000	.10
81-NFM21PC105F1C3D	NFM21PC105F1C3D	B	1	16	2	.26	.13	.10	4000	.084
81-NFM21PC105B1A3D	NFM21PC105B1A3D	B	1	10	4	.26	.13	.10	4000	.084

NFE31PT Series - 1206 Case Size

The "EMIFIL" NFE31P is a small size T-type circuit EMI suppression filter.

Features:

- Its large rated current of 6A and low voltage drop due to small DC resistance are suitable for DC power line use.
- The feedthrough capacitor realizes excellent high frequency characteristics.
- The structure incorporates built-in ferrite beads which minimize resonance with surrounding circuits.

For quantities of 4000 and up, call for quote.

81-NFE31PT220R1E9L	NFE31PT220R1E9L	C	22	25	6	.64	.35	.28	2000	.23
81-NFE31PT470C1E9L	NFE31PT470C1E9L	C	47	25	6	.64	.35	.28	2000	.23
81-NFE31PT101C1E9L	NFE31PT101C1E9L	C	100	25	6	.64	.35	.28	2000	.23
81-NFE31PT221D1E9L	NFE31PT221D1E9L	C	220	25	6	.64	.35	.28	2000	.23
81-NFE31PT471F1E9L	NFE31PT471F1E9L	C	470	25	6	.64	.35	.28	2000	.23
81-NFE31PT152Z1E9L	NFE31PT152Z1E9L	C	1500	25	6	.64	.35	.28	2000	.23
81-NFE31PT222Z1E9L	NFE31PT222Z1E9L	C	2200	25	6	.64	.35	.28	2000	.23

NFM41PC Series - 1806 Case Size

The "EMIFIL" NFM41P series consists of three terminal structure. These components are able to be applied to large current DC power lines. NFM41P series are suitable in noise suppression in DC lines where relatively large currents operate.

Applications:

- Personal computers, word processors and peripherals
- Telephones, PCs, communication equipment, etc.
- Digital TVs, VCRs
- Telecommunications equipment

For quantities of 8000 and up, call for quote.

81-NFM41PC204F1H	NFM41PC204F1H3L	D	0.2	50	2	1.12	.56	.44	4000	.36

NFE61PT Series - 2606 Case Size

Features:

- The NFE61PT series has large rated current of 2A and low voltage drop due to small DC resistance suitable for power line use.
- The feedthrough capacitor realizes excellent high frequency characteristics.
- The structure incorporates built-in ferrite beads which minimize resonance with surrounding circuits.

For quantities of 5000 and up, call for quote.

81-NFE61PT330B1H9L	NFE61PT330B1H9L	E	33	50	2	.94	.46	.37	2500	.31
81-NFE61PT101Z1H9L	NFE61PT101Z1H9L	E	100	50	2	.94	.46	.37	2500	.31
81-NFE61PT181B1H9L	NFE61PT181B1H9L	E	180	50	2	.94	.46	.37	2500	.31
81-NFE61PT361B1H9L	NFE61PT361B1H9L	E	360	50	2	.94	.46	.37	2500	.31
81-NFE61PT681B1H9L	NFE61PT681B1H9L	E	680	50	2	.94	.46	.37	2500	.31
81-NFE61PT102E1H9L	NFE61PT102E1H9L	E	1000	50	2	.94	.46	.37	2500	.31
81-NFE61PT472C1H9L	NFE61PT472C1H9L	E	4700	50	2	1.14	.57	.45	2500	.37

LC COMBINED CHIP EMIFIL

NFL18ST Series

The NFL18ST series is an EMI suppression filter for high speed signal lines, achieving T-type structure in 1.6x0.8mm size with Murata's multilayer technology.

Applications:

- Noise suppression for video signal lines (RGB lines)and high speed clock lines

Features:

- Steep insertion loss characteristics realize excellent noise suppression and prevent distortion of signal waveform.
- By minimizing stray capacitance of inductor, achieves high performance in noise suppression in high frequency range.

For quantities of 8000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Cut-Off Freq. (MHz)	Value (pF)	Inductance (nH)	Volt (DC)	Current (mA)	Price Each 1	Price Each 100	Price Each 500	Reel Qty.	Price Per Piece
81-NFL18ST507X1C3D	NFL18ST507X1C3D	F	500	10	43	16	200	.67	.33	.27	4000	.22
81-NFL18ST307X1C3D	NFL18ST307X1C3D	F	300	18	62	16	200	.67	.33	.27	4000	.22
81-NFL18ST157X1C3D	NFL18ST157X1C3D	F	150	32	140	16	100	.67	.33	.27	4000	.22

NFL21SP Series

- Suppresses noise with little attenuation of the signal itself due to its steep filtering characteristics.
- Murata's original internal structure design enables excellent noise suppression up to high frequencies.

For quantities of 8000 and up, call for quote.

81-NFL21SP407X1C3D	NFL21SP407X1C3D	G	400	16	34	16	300	.50	.23	.18	4000	.14
81-NFL21SP307X1C3D	NFL21SP307X1C3D	G	300	19	45	16	300	.50	.23	.18	4000	.14
81-NFL21SP107X1C3D	NFL21SP107X1C3D	G	100	44	135	16	200	.50	.23	.18	4000	.14
81-NFL21SP706X1C3D	NFL21SP706X1C3D	G	70	76	185	16	150	.52	.25	.20	4000	.16
81-NFL21SP506X1C3D	NFL21SP506X1C3D	G	50	84	305	16	150	.53	.26	.21	4000	.17
81-NFL21SP206X1C3D	NFL21SP206X1C3D	G	20	240	700	16	100	.53	.26	.21	4000	.17

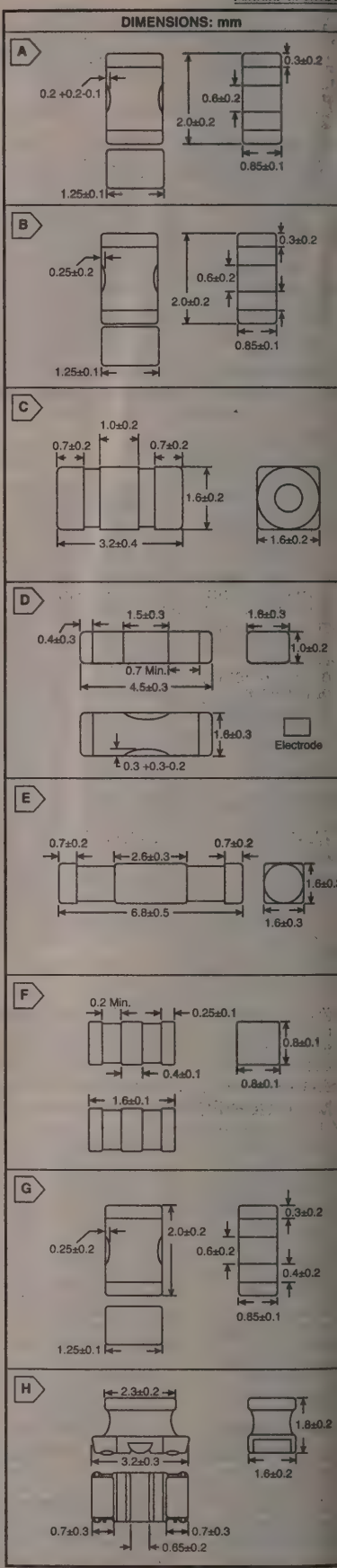
NFW31SP Series

The EMI filter NFW31S series consists of high performance EMI suppression filters. They are designed for noise suppression in high speed signal digital circuits in which the signal harmonics are prone to becoming noise sources. These filters achieve a 100dB/dec. (typ.) damping characteristic with Murata's innovative circuit design. This makes these chips effective in applications where the signal and noise frequencies are close to each other.

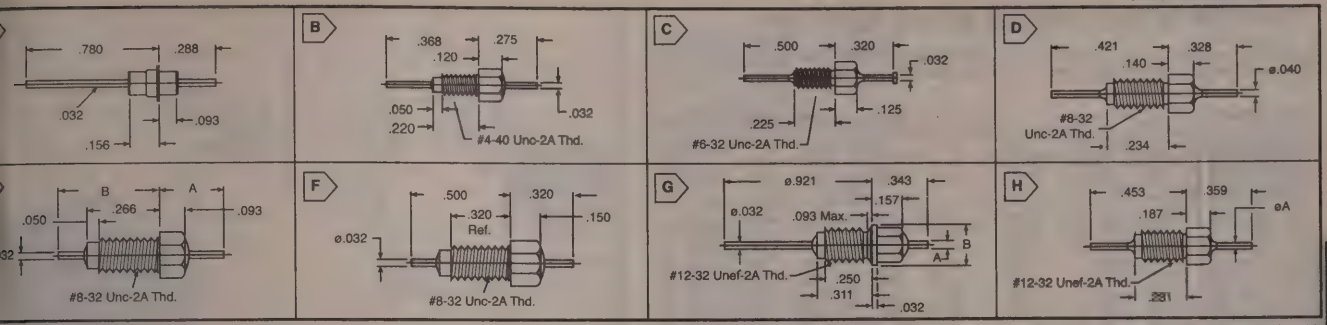
For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Nominal Cut-Off Freq. (MHz)	Attenuation @ MHz 20	50	100	200	400	500	1000	Price Each 1	Price Each 100	Price Each 500	Reel Qty.	Price Per Piece
81-NFW31SP206X1E4L	NFW31SP206X1E4L	H	20	6	5	25	25	-	30	30	.78	.49	.39	2000	.32
81-NFW31SP506X1E4L	NFW31SP506X1E4L	H	50	-	6	10	30	-	30	30	.78	.49	.39	2000	.32
81-NFW31SP207X1E4L	NFW31SP207X1E4L	H	200	-	-	-	6	-	10	30	.78	.49	.39	2000	.32
81-NFW31SP407X1E4L	NFW31SP407X1E4L	H	400	-	-	-	-	6	-	10	.78	.49	.39	2000	.32
81-NFW31SP507X1E4L	NFW31SP507X1E4L	H	500	-	-	-	-	-	6	10	.78	.49	.39	2000	.32

DIMENSIONS: mm



MOUSER ELECTRONICS a tti company (800) 346-6873



DIMENSIONS (IN.)

LDER-IN PI CIRCUIT FILTERS

r-in filters are ideal for use in critical areas where space does not allow use of mounting tools or hardware. The solder-in feature also allows installation in n with other board mounted components. Primarily used in filtering signal/data lines and DC power lines.

ures:

all size to allow effective use of space
tage ratings to 200 VDC

- Ampere: 10
- High temperature construction to prevent reflow during installation

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Hex.	VDC (125°C)	Min Cap	Minimum Insertion Loss (dB)				Price Each		
						1 MHz	10 MHz	100 MHz	1 GHz	1	5	10
57-1214-001	1214-001	A	---	200	1750 pF	---	5	50	60	4.12	3.91	3.61

h Turret on one end

SIN SEALED BOLT-IN FILTERS

filters are easily mounted in a tapped hole or thru-hole with supplied nut and lock-washer. The rugged case with resin at both ends provides excellent environmental protection. Primarily used in filtering signal/data lines and DC power lines.

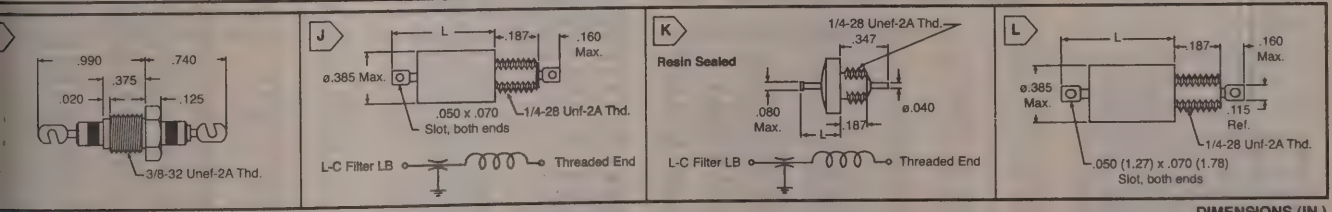
Features:

- Ampere: 10

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Dimensions (In)		Hex.	VDC (125°C)	Min Cap	Minimum Insertion Loss (dB)				Price Each		
			A	B				1 MHz	10 MHz	100 MHz	1 GHz	1	5	10
C Circuit 4-40 Thread														
657-9900-381-6004	9900-381-6004	B	---	---	0.156	50	5000 pF	---	15	30	45	8.46	8.03	7.41
657-9900-381-6020	9900-381-6020	B	---	---	0.156	200	100 pF	---	---	3	20	8.26	7.84	7.24
LB Circuit 6-32 Thread														
657-51-726-002	51-726-002	C	---	---	0.156	100	0.022 µF	7	27	43	60	6.07	5.55	5.26
C Circuit 8-32 Thread														
657-54-785-005	54-785-005	D	---	---	0.187	100	0.05 µF	15	34	45	60	6.18	5.64	5.35
PI Circuit 8-32 Thread														
657-1250-054	1250-054	E	0.312	0.500	0.187	70	5000 pF	---	20	65	70	8.42	7.99	7.38
657-1293-001	1293-001	F	---	---	0.187	70	0.060 µF	10	38	75	75	16.02	15.21	14.04
657-51-712-063	51-712-063	E	0.312	0.500	0.187	100	5500 pF	---	15	65	70	8.59	7.85	7.43
657-1250-003	1250-003	E	0.312	0.890	0.187	200	3000 pF	---	5	45	60	7.34	6.97	6.43
657-51-712-001	51-712-001	E	0.312	0.890	0.187	200	3000 pF	---	5	42	70	4.85	4.43	4.19
657-51-744-002	51-744-002	E	0.265	0.413	0.187	200	5500 pF	---	14	55	70	4.93	4.50	4.27
PI Circuit 12-32 Thread														
657-1270-016	1270-016	G	0.032	0.250	0.187	100	5500 pF	---	20	65	70	7.21	6.84	6.32
657-1270-025	1270-025	G	0.032	0.235	0.187	100	5500 pF	---	20	65	70	7.21	6.84	6.32
657-51-719-011	51-719-011	H	0.040	----	0.250	500	3000 pF	---	12	45	60	4.64	4.24	4.01

Ampre † with Turret lead ** Supplied with .040 diameter lead



DIMENSIONS (IN.)

GH CURRENT/HIGH VOLTAGE RESIN SEALED FILTERS

current filters are ideal for use in high current 5 volt logic buss, but also can be used for 48 VDC telephone rack buss, high current switch mode power lies and DC charging systems. High voltage filters find use in high voltage power supplies and applications requiring U.L. Hi-Pot.

tures:

ontinuous voltage ratings up to 1250 VDC/240 VAC (400Hz)

- Rugged bolt-in style for easy installation
- Ampere: 25

For quantities of 25 and up, call for quote.

Circuit 3/8-32 Thread

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Hex.	VDC (125°C)	Min Cap	Minimum Insertion Loss (dB)				Price Each		
						1 MHz	10 MHz	100 MHz	1 GHz	1	5	10
57-1280-060	1280-060	I	0.500	2500	1500 pF	----	5	50	50	25.13	23.85	22.02

ERMETICALLY SEALED THREADED CASE FILTERS

series of filters features hermetic glass seals and high EMI filtering performance. They are excellent for critical applications that demand high reliability in oughest enviromental conditions and provide broad-band high performance EMI filtering from 10 KHz to over 10 GHz.

tures:

75" case diameters

- Voltage ratings from 50 VDC to 200 VDC
- 1/4-28 Thread

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Hex.	VDC (125°C)	Min Cap	CKT	Max L (In.)	Minimum Insertion Loss (dB)				Price Each		
								1 MHz	10 MHz	100 MHz	1 GHz	1	5	10
75 L Circuit Standard Low Profile - 15 Amp														
57-9051-100-0000	9051-100-0000	J	---	50	1.200 µF	LB	0.370	44	60	70	70	20.13	18.39	17.42
57-51-717-001	51-717-001	K	---	50	1.400 µF	LB	0.325	44	60	70	70	16.74	15.30	14.49
75 PI Circuit Standard Product						Amp								
57-9001-100-1025	9001-100-1025	L	---	200	0.300 µF	5.00	0.758	50	70	70	80	48.05	45.61	42.10

1008/S1008 SERIES SURFACE MOUNT INDUCTORS

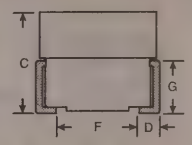
- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise
- Max Power Dissipation at 90°C: Phenolic = 0.169W, Ferrite = 0.208W

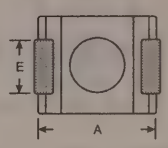
Unshielded — For quantities of 1000 and up, call for quote.

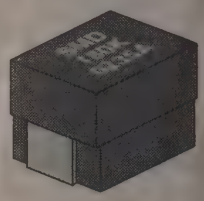
MOUSER STOCK NO.	API Delevan Part No.	Inductance (µH)	Q Min.	Test Freq. (MHz)	Idc Max (mA)	Price Each 1	100	Reel 500
Phenolic Core ±10%								
807-1008-100K	1008-100K	.010	40	50	1562	1.61	.92	.60
807-1008-120K	1008-120K	.012	40	50	1450	1.61	.92	.60
807-1008-150K	1008-150K	.015	40	50	1381	1.61	.92	.60
807-1008-180K	1008-180K	.018	40	50	1320	1.61	.92	.60
807-1008-220K	1008-220K	.022	35	50	1235	1.61	.92	.60
807-1008-270K	1008-270K	.027	35	50	1164	1.61	.92	.60
807-1008-330K	1008-330K	.033	30	50	1105	1.61	.92	.60
807-1008-390K	1008-390K	.039	30	50	1053	1.61	.92	.60
807-1008-470K	1008-470K	.047	30	50	1008	1.61	.92	.60
807-1008-560K	1008-560K	.056	25	50	847	1.61	.92	.60
807-1008-680K	1008-680K	.068	25	50	823	1.61	.92	.60
807-1008-820K	1008-820K	.082	25	50	801	1.61	.92	.60
807-1008-101K	1008-101K	.100	15	25	728	1.61	.92	.60
Ferrite Core ±10%								
807-1008-121K	1008-121K	.12	40	25	1225	1.61	.92	.60
807-1008-151K	1008-151K	.15	40	25	1168	1.61	.92	.60
807-1008-181K	1008-181K	.18	40	25	1119	1.61	.92	.60
807-1008-221K	1008-221K	.22	40	25	1055	1.61	.92	.60
807-1008-271K	1008-271K	.27	40	25	1000	1.61	.92	.60
807-1008-331K	1008-331K	.33	40	25	954	1.61	.92	.60
807-1008-391K	1008-391K	.39	40	25	913	1.61	.92	.60
807-1008-471K	1008-471K	.47	40	25	846	1.61	.92	.60
807-1008-561K	1008-561K	.56	40	25	808	1.61	.92	.60
807-1008-681K	1008-681K	.68	40	25	760	1.61	.92	.60
807-1008-821K	1008-821K	.82	40	25	708	1.61	.92	.60
Ferrite Core ±5%								
807-1008-102J	1008-102J	1.0	30	7.9	685	1.61	.92	.60
807-1008-122J	1008-122J	1.2	30	7.9	591	1.93	1.10	.72
807-1008-152J	1008-152J	1.5	30	7.9	548	1.93	1.10	.72
807-1008-182J	1008-182J	1.8	30	7.9	457	1.93	1.10	.72
807-1008-222J	1008-222J	2.2	30	7.9	433	1.93	1.10	.72
807-1008-272J	1008-272J	2.7	30	7.9	413	1.93	1.10	.72
807-1008-332J	1008-332J	3.3	30	7.9	398	1.93	1.10	.72
807-1008-392J	1008-392J	3.9	30	7.9	354	1.93	1.10	.72
807-1008-472J	1008-472J	4.7	30	7.9	334	1.93	1.10	.72
807-1008-562J	1008-562J	5.6	30	7.9	312	1.93	1.10	.72
807-1008-682J	1008-682J	6.8	30	7.9	274	1.93	1.10	.72
807-1008-822J	1008-822J	8.2	30	7.9	264	1.93	1.10	.72
807-1008-103J	1008-103J	10	30	7.9	245	1.93	1.10	.72
807-1008-123J	1008-123J	12	30	2.5	207	1.93	1.10	.72
807-1008-153J	1008-153J	15	30	2.5	194	1.93	1.10	.72
807-1008-183J	1008-183J	18	30	2.5	173	1.93	1.10	.72
807-1008-223J	1008-223J	22	30	2.5	158	1.93	1.10	.72
807-1008-273J	1008-273J	27	30	2.5	146	1.93	1.10	.72
807-1008-333J	1008-333J	33	30	2.5	135	1.93	1.10	.72
807-1008-393J	1008-393J	39	30	2.5	125	1.93	1.10	.72
807-1008-473J	1008-473J	47	30	2.5	120	1.93	1.10	.72

Shielded — For quantities of 1000 and up, call for quote.

Ferrite Core ±10%								
807-S1008-101K	S1008-101K	.10	40	25	1120	1.72	.98	.64
807-S1008-121K	S1008-121K	.12	40	25	1060	1.72	.98	.64
807-S1008-151K	S1008-151K	.15	40	25	1015	1.72	.98	.64
807-S1008-181K	S1008-181K	.18	40	25	970	1.72	.98	.64
807-S1008-221K	S1008-221K	.22	40	25	930	1.72	.98	.64
807-S1008-271K	S1008-271K	.27	40	25	900	1.72	.98	.64
807-S1008-331K	S1008-331K	.33	40	25	865	1.72	.98	.64
807-S1008-391K	S1008-391K	.39	40	25	840	1.72	.98	.64
807-S1008-471K	S1008-471K	.47	40	25	815	1.72	.98	.64
807-S1008-561K	S1008-561K	.56	40	25	790	1.72	.98	.64
807-S1008-621K	S1008-621K	.62	40	25	770	1.72	.98	.64
807-S1008-681K	S1008-681K	.68	40	25	750	1.72	.98	.64
807-S1008-751K	S1008-751K	.75	40	25	735	1.72	.98	.64
807-S1008-821K	S1008-821K	.82	40	25	715	1.72	.98	.64
807-S1008-911K	S1008-911K	.91	40	25	685	1.72	.98	.64
807-S1008-102K	S1008-102K	1.0	30	7.9	670	1.72	.98	.64
807-S1008-122K	S1008-122K	1.2	30	7.9	625	1.72	.98	.64
807-S1008-152K	S1008-152K	1.5	30	7.9	545	1.72	.98	.64
807-S1008-182K	S1008-182K	1.8	30	7.9	435	1.72	.98	.64
807-S1008-222K	S1008-222K	2.2	30	7.9	375	1.72	.98	.64
807-S1008-272K	S1008-272K	2.7	30	7.9	365	1.72	.98	.64
807-S1008-332K	S1008-332K	3.3	30	7.9	355	1.72	.98	.64
807-S1008-392K	S1008-392K	3.9	30	7.9	335	1.72	.98	.64
807-S1008-472K	S1008-472K	4.7	30	7.9	305	1.72	.98	.64
807-S1008-562K	S1008-562K	5.6	30	7.9	295	1.72	.98	.64
807-S1008-682K	S1008-682K	6.8	30	7.9	250	1.72	.98	.64
807-S1008-822K	S1008-822K	8.2	30	7.9	240	1.72	.98	.64
807-S1008-103K	S1008-103K	10	30	7.9	230	1.72	.98	.64
807-S1008-123K	S1008-123K	12	30	2.5	220	1.72	.98	.64
807-S1008-153K	S1008-153K	15	30	2.5	210	1.72	.98	.64
807-S1008-183K	S1008-183K	18	30	2.5	200	1.72	.98	.64
807-S1008-223K	S1008-223K	22	30	2.5	170	1.72	.98	.64
807-S1008-273K	S1008-273K	27	30	2.5	160	1.72	.98	.64
807-S1008-333K	S1008-333K	33	30	2.5	125	1.72	.98	.64
807-S1008-393K	S1008-393K	39	30	2.5	120	1.72	.98	.64
807-S1008-473K	S1008-473K	47	30	2.5	110	1.72	.98	.64







1008 and S1008 Series

Physical Parameters		
	Inches	Millimeters
A	0.095 to 0.115	2.41 to 2.92
B	0.085 to 0.105	2.16 to 2.66
C	0.075 to 0.095	1.91 to 2.41
D	0.010 to 0.030	0.26 to 0.76
E	0.040 to 0.060	1.02 to 1.52
F	0.060 (Ref Only)	1.52 (Ref Only)
G	0.045 (Ref Only)	1.14 (Ref Only)

Dimensions "A" and "C" are over terminals.

1210 Series

Physical Parameters		
	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.67
C	0.081 to 0.101	2.06 to 2.57
D	0.016 Min.	0.41 Min.
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref Only)	1.78 (Ref Only)
G	0.054 (Ref Only)	1.37 (Ref Only)

Dimensions "A" and "C" are over terminals

1210 SERIES SURFACE MOUNT INDUCTORS

- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise
- Max Power Dissipation at 90°C Ambient: Phenolic = 0.168, Iron = 0.287W, Ferrite = 0.287W

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	API Delevan Part No.	Inductance (µH)	Q Min.	Test Freq. (MHz)	Idc Max (mA)	Price Each 1	100	R 5
Phenolic Core ±10%								
807-1210-100K	1210-100K	.010	30	50	966	.97	.55	
807-1210-120K	1210-120K	.012	30	50	931	.97	.55	
807-1210-150K	1210-150K	.015	30	50	871	.97	.55	
807-1210-180K	1210-180K	.018	30	50	821	.97	.55	
807-1210-220K	1210-220K	.022	30	50	779	.97	.55	
807-1210-270K	1210-270K	.027	30	50	743	.97	.55	
807-1210-330K	1210-330K	.033	30	50	711	.97	.55	
807-1210-390K	1210-390K	.039	30	50	670	.97	.55	
807-1210-470K	1210-470K	.047	30	50	636	.97	.55	
807-1210-560K	1210-560K	.056	30	50	606	.97	.55	
807-1210-680K	1210-680K	.068	30	50	580	.97	.55	
807-1210-820K	1210-820K	.082	30	50	551	.97	.55	
Iron Core ±10%								
807-1210-101K	1210-101K	.10	30	25	1018	1.09	.62	
807-1210-121K	1210-121K	.12	30	25	971	1.09	.62	
807-1210-151K	1210-151K	.15	30	25	910	1.09	.62	
807-1210-181K	1210-181K	.18	30	25	860	1.09	.62	
807-1210-221K	1210-221K	.22	30	25	805	1.09	.62	
807-1210-271K	1210-271K	.27	30	25	759	1.09	.62	
807-1210-331K	1210-331K	.33	30	25	720	1.09	.62	
807-1210-391K	1210-391K	.39	30	25	679	1.09	.62	
807-1210-471K	1210-471K	.47	30	25	644	1.09	.62	
807-1210-561K	1210-561K	.56	30	25	614	1.09	.62	
807-1210-681K	1210-681K	.68	30	25	588	1.09	.62	
807-1210-821K	1210-821K	.82	30	25	556	1.09	.62	
Ferrite Core ±5%								
807-1210-102J	1210-102J	1.0	30	7.9	515	1.02	.58	
807-1210-122J	1210-122J	1.2	30	7.9	497	1.02	.58	
807-1210-152J	1210-152J	1.5	30	7.9	467	1.02	.58	
807-1210-182J	1210-182J	1.8	30	7.9	454	1.02	.58	
807-1210-222J	1210-222J	2.2	30	7.9	431	1.02	.58	
807-1210-272J	1210-272J	2.7	30	7.9	411	1.02	.58	
807-1210-332J	1210-332J	3.3	30	7.9	393	1.02	.58	
807-1210-392J	1210-392J	3.9	30	7.9	378	1.02	.58	
807-1210-472J	1210-472J	4.7	30	7.9	352	1.02	.58	
807-1210-562J	1210-562J	5.6	30	7.9	341	1.02	.58	
807-1210-682J	1210-682J	6.8	30	7.9	321	1.02	.58	
807-1210-822J	1210-822J	8.2	30	7.9	305	1.02	.58	
807-1210-103J	1210-103J	10	30	7.9	297	1.02	.58	
807-1210-123J	1210-123J	12	30	2.5	272	1.02	.58	
807-1210-153J	1210-153J	15	30	2.5	257	1.02	.58	
807-1210-183J	1210-183J	18	30	2.5	237	1.02	.58	
807-1210-223J	1210-223J	22	30	2.5	224	1.02	.58	
807-1210-273J	1210-273J	27	30	2.5	193	1.02	.58	
807-1210-333J	1210-333J	33	30	2.5	182	1.02	.58	
807-1210-393J	1210-393J	39	30	2.5	170	1.02	.58	
807-1210-473J	1210-473J	47	30	2.5	163	1.02	.58	
807-1210-563J	1210-563J	56	30	2.5	152	1.02	.58	
807-1210-683J	1210-683J	68	30	2.5	144	1.02	.58	
807-1210-823J	1210-823J	82	30	2.5	136	1.02	.58	
807-1210-104J	1210-104J	100	30	2.5	120	1.02	.58	

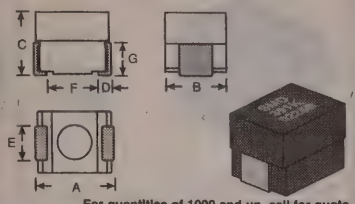
10 SERIES SHIELDED SMD INDUCTORS

ating Temperature: -55°C to +125°C
nt Rating at 90°C Ambient: 35°C Rise

• Max Power Dissipation at 90°C: 0.287W

Physical Parameters	
Inches	Millimeters
0.118 to 0.138	3.00 to 3.51
0.085 to 0.105	2.16 to 2.67
0.081 to 0.101	2.06 to 2.57
0.016 Min.	0.41 Min.
0.041 to 0.061	1.04 to 1.55
0.070 (Ref Only)	1.78 (Ref Only)
0.054 (Ref Only)	1.37 (Ref Only)

nsions "A" and "C" are over terminals.



For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	API Delevan Part No.	Inductance (µH)	Q Min.	Test Freq. (MHz)	Idc Max (mA)	Price Each 1	100	Reel 500
Core ±10%								
S1210-101K	S1210-101K	.10	40	25	1175	1.09	.62	.50
S1210-121K	S1210-121K	.12	40	25	1104	1.09	.62	.50
S1210-151K	S1210-151K	.15	40	25	1017	1.09	.62	.50
S1210-181K	S1210-181K	.18	40	25	971	1.09	.62	.50
S1210-221K	S1210-221K	.22	40	25	910	1.09	.62	.50
S1210-271K	S1210-271K	.27	40	25	860	1.09	.62	.50
S1210-331K	S1210-331K	.33	40	25	831	1.09	.62	.50
S1210-391K	S1210-391K	.39	40	25	720	1.09	.62	.50
S1210-471K	S1210-471K	.47	40	25	679	1.09	.62	.50
S1210-561K	S1210-561K	.56	40	25	644	1.09	.62	.50
S1210-681K	S1210-681K	.68	40	25	614	1.09	.62	.50
S1210-821K	S1210-821K	.82	40	25	588	1.09	.62	.50

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Inductance (µH)	Q Min.	Test Freq. (MHz)	Idc Max (mA)	Price Each 1	100	Reel 500
Ferrite Core ±10%								
807-S1210-102K	S1210-102K	1.0	40	7.9	720	1.02	.58	.46
807-S1210-122K	S1210-122K	1.2	40	7.9	650	1.02	.58	.46
807-S1210-152K	S1210-152K	1.5	40	7.9	603	1.02	.58	.46
807-S1210-182K	S1210-182K	1.8	40	7.9	564	1.02	.58	.46
807-S1210-222K	S1210-222K	2.2	40	7.9	533	1.02	.58	.46
807-S1210-272K	S1210-272K	2.7	40	7.9	526	1.02	.58	.46
807-S1210-332K	S1210-332K	3.3	40	7.9	509	1.02	.58	.46
807-S1210-392K	S1210-392K	3.9	40	7.9	500	1.02	.58	.46
807-S1210-472K	S1210-472K	4.7	40	7.9	455	1.02	.58	.46
807-S1210-562K	S1210-562K	5.6	40	7.9	399	1.02	.58	.46
807-S1210-682K	S1210-682K	6.8	40	7.9	372	1.02	.58	.46
807-S1210-822K	S1210-822K	8.2	40	7.9	349	1.02	.58	.46
807-S1210-103K	S1210-103K	10	40	2.5	330	1.02	.58	.46
807-S1210-123K	S1210-123K	12	40	2.5	314	1.02	.58	.46
807-S1210-153K	S1210-153K	15	40	2.5	288	1.02	.58	.46
807-S1210-223K	S1210-223K	22	40	2.5	262	1.02	.58	.46
807-S1210-273K	S1210-273K	27	40	2.5	228	1.02	.58	.46
807-S1210-333K	S1210-333K	33	40	2.5	215	1.02	.58	.46
807-S1210-393K	S1210-393K	39	40	2.5	204	1.02	.58	.46
807-S1210-473K	S1210-473K	47	40	2.5	194	1.02	.58	.46
807-S1210-563K	S1210-563K	56	40	2.5	181	1.02	.58	.46
807-S1210-683K	S1210-683K	68	40	2.5	172	1.02	.58	.46
807-S1210-823K	S1210-823K	82	40	2.5	156	1.02	.58	.46
807-S1210-104K	S1210-104K	100	40	2.5	144	1.02	.58	.46

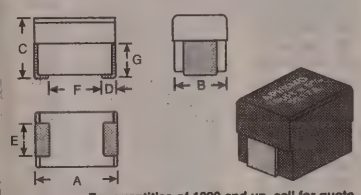
12 SERIES SURFACE MOUNT INDUCTORS

rating Temperature: -55°C to +125°C
rent Rating at 90°C Ambient: 35°C Rise

• Max Power Dissipation at 90°C: Iron & Ferrite = 0.278W, Phenolic = 0.210W

Physical Parameters	
Inches	Millimeters
0.166 to 0.190	4.22 to 4.83
0.118 to 0.134	3.00 to 3.40
0.118 to 0.134	3.00 to 3.40
0.015 Min.	0.38 Min.
0.054 to 0.078	1.37 to 1.98
0.118 (Ref Only)	3.00 (Ref Only)
0.066 (Ref Only)	1.68 (Ref Only)

ensions "A" and "C" are over terminals.



For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	API Delevan Part No.	Inductance (µH)	Q Min.	Test Freq. (MHz)	Idc Max (mA)	Price Each 1	100	Reel 500
Core ±10%								
-1812-101K	1812-101K	.10	30	25	818	.77	.44	.32
-1812-121K	1812-121K	.12	30	25	818	.77	.44	.32
-1812-151K	1812-151K	.15	30	25	818	.77	.44	.32
-1812-181K	1812-181K	.18	30	25	757	.77	.44	.32
-1812-221K	1812-221K	.22	30	25	708	.77	.44	.32
-1812-271K	1812-271K	.27	30	25	668	.77	.44	.32
-1812-331K	1812-331K	.33	30	25	604	.77	.44	.32
-1812-391K	1812-391K	.39	30	25	535	.77	.44	.32
-1812-471K	1812-471K	.47	30	25	501	.77	.44	.32
-1812-561K	1812-561K	.56	30	25	409	.77	.44	.32
-1812-681K	1812-681K	.68	30	25	379	.77	.44	.32
-1812-821K	1812-821K	.82	30	25	354	.77	.44	.32
rite Core ±5%								
-1812-102J	1812-102J	1.0	50	7.9	634	.77	.44	.35
-1812-122J	1812-122J	1.2	50	7.9	604	.77	.44	.35
-1812-152J	1812-152J	1.5	50	7.9	578	.77	.44	.35
-1812-182J	1812-182J	1.8	50	7.9	556	.77	.44	.35
-1812-222J	1812-222J	2.2	50	7.9	535	.77	.44	.35
-1812-332J	1812-332J	3.3	50	7.9	501	.77	.44	.35
-1812-392J	1812-392J	3.9	50	7.9	472	.77	.44	.35
-1812-472J	1812-472J	4.7	50	7.9	448	.77	.44	.35
-1812-562J	1812-562J	5.6	50	7.9	427	.77	.44	.35
-1812-682J	1812-682J	6.8	50	7.9	409	.77	.44	.35
-1812-822J	1812-822J	8.2	50	7.9	375	.77	.44	.35
-1812-103J	1812-103J	10	50	7.9	354	.77	.44	.35
-1812-183J	1812-183J	18	50	2.5	268	.77	.44	.35
-1812-223J	1812-223J	22	50	2.5	250	.77	.44	.35
-1812-333J	1812-333J	33	50	2.5	224	.77	.44	.35
-1812-393J	1812-393J	39	50	2.5	211	.77	.44	.35
-1812-473J	1812-473J	47	50	2.5	200	.77	.44	.35
-1812-563J	1812-563J	56	50	2.5	191	.77	.44	.35
-1812-683J	1812-683J	68	50	2.5	183	.77	.44	.35
-1812-823J	1812-823J	82	50	2.5	169	.77	.44	.35
-1812-104J	1812-104J	100	50	2.5	158	.77	.44	.35
-1812-124J	1812-124J	120	40	0.79	158	.77	.44	.35
-1812-154J	1812-154J	150	40	0.79	149	.77	.44	.35
-1812-224J	1812-224J	220	40	0.79	142	1.27	.72	.58
-1812-274J	1812-274J	270	40	0.79	129	1.27	.72	.58
-1812-334J	1812-334J	330	40	0.79	120	1.27	.72	.58
-1812-394J	1812-394J	390	40	0.79	100	1.27	.72	.58
-1812-474J	1812-474J	470	40	0.79	88	1.27	.72	.58
-1812-564J	1812-564J	560	30	0.79	82	1.27	.72	.58
-1812-824J	1812-824J	820	30	0.79	67	1.27	.72	.58
-1812-105J	1812-105J	1000	30	0.79	55	1.27	.72	.58

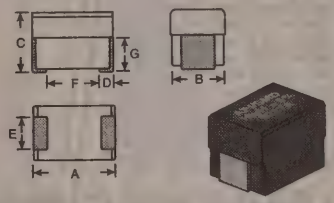
S1812 SERIES SHIELDED SURFACE MOUNT INDUCTORS

• Operating Temperature: -55°C to +125°C
• Current Rating at 90°C Ambient: 35°C Rise

• Max Power Dissipation at 90°C: 0.278W

Physical Parameters		
	Inches	Millimeters
A	0.166 to 0.190	4.2 to 4.8
B	0.118 to 0.134	3.0 to 3.4
C	0.118 to 0.134	3.0 to 3.4
D	0.038 Min.	0.97 Min.
E	0.041 to 0.061	1.0 to 1.5
F	0.118 (Ref Only)	3.0 (Ref Only)
G	0.066 (Ref Only)	1.7 (Ref Only)

Dimensions "A" and "C" are over terminals.



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Inductance (µH)	Q Min.	Test Freq. (MHz)	Idc Max (mA)	Price Each 1	100	Reel 500
Iron Core ±10%								
807-S1812-101K	S1812-101K	.10	50	25	1490	1.26	.72	.57
807-S1812-121K	S1812-121K	.12	50	25	1412	1.26	.72	.57
807-S1812-151K	S1812-151K	.15	50	25	1347	1.26	.72	.57
807-S1812-181K	S1812-181K	.18	50	25	1290	1.26	.72	.57
807-S1812-271K	S1812-271K	.27	50	25	1053	1.26	.72	.57
807-S1812-331K	S1812-331K	.33	40	25	952	1.26	.72	.57
807-S1812-391K	S1812-391K	.39	40	25	876	1.26	.72	.57
807-S1812-471K	S1812-471K	.47	40	25	802	1.26	.72	.57
807-S1812-561K	S1812-561K	.56	40	25	735	1.26	.72	.57
807-S1812-681K	S1812-681K	.68	40	25	675	1.26	.72	.57
807-S1812-821K	S1812-821K	.82	40	25	614	1.26	.72	.57
Ferrite Core ±10%								
807-S1812-102K	S1812-102K	1.0	40	7.9	755	1.30	.74	.59
807-S1812-122K	S1812-122K	1.2	40	7.9	725	1.30	.74	.59
807-S1812-152K	S1812-152K	1.5	40	7.9	706	1.30	.74	.59
807-S1812-182K	S1812-182K	1.8	40	7.9	681	1.30	.74	.59
807-S1812-222K	S1812-222K	2.2	40	7.9	658	1.30	.74	.59
807-S1812-332K	S1812-332K	3.3	40	7.9	534	1.30	.74	.59
807-S1812-392K	S1812-392K	3.9	40	7.9	487	1.30	.74	.59
807-S1812-472K	S1812-472K	4.7	40	7.9	471	1.30	.74	.59
807-S1812-562K	S1812-562K	5.6	40	7.9	447	1.30	.74	.59
807-S1812-682K	S1812-682K	6.8	40	7.9	408	1.30	.74	.59
807-S1812-822K	S1812-822K	8.2	40	7.9	372	1.30	.74	.59
807-S1812-103K	S1812-103K	10	50	2.5	333	1.30	.74	.59
807-S1812-183K	S1812-183K	18	50	2.5	288	1.30	.74	.59
807-S1812-223K	S1812-223K	22	50	2.5	277	1.30	.74	.59
807-S1812-333K	S1812-333K	33	50	2.5	258	1.30	.74	.59
807-S1812-393K	S1812-393K	39	50	2.5	250	1.30	.74	.59
807-S1812-473K	S1812-473K	47	50	2.5	242	1.30	.74	.59
807-S1812-563K	S1812-563K	56	50	2.5	235	1.30	.74	.59
807-S1812-683K	S1812-683K	68	50	2.5	215	1.30	.74	.59
807-S1812-823K	S1812-823K	82	50	2.5	196	1.30	.74	.59
807-S1812-104K	S1812-104K	100	40	0.79	169	1.30	.74	.59
807-S1812-124K	S1812-124K	120	40	0.79	163	1.30	.74	.59
807-S1812-154K	S1812-154K	150	40	0.79	158	1.30	.74	.59
807-S1812-224K	S1812-224K	220	40	0.79	149	1.52	.88	.70
807-S1812-274K	S1812-274K	270	40	0.79	135	1.52	.88	.70
807-S1812-334K	S1812-334K	330	40	0.79	129	1.52	.88	.70
807-S1812-394K	S1812-394K	390	40	0.79	105	1.52	.88	.70
807-S1812-474K	S1812-474K	470	40	0.79	91	1.52	.88	.70
807-S1812-564K	S1812-564K	560	40	0.79	84	1.52	.88	.70
807-S1812-824K	S1812-824K	820	40	0.79	71	1.52	.88	.70
807-S1812-105K	S1812-105K	1000	40	0.79	60	1.52	.88	.70

P1812 SERIES SMD POWER INDUCTORS

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise
- Max Power Dissipation at 90°C: 0.287W
- Tolerance: ±10%

Physical Parameters		
	Inches	Millimeters
A	0.166 to 0.190	4.22 to 4.83
B	0.118 to 0.134	3.00 to 3.40
C	0.118 to 0.134	3.00 to 3.40
D	0.015 Min.	0.38 Min.
E	0.054 to 0.078	1.37 to 1.98
F	0.118 (Ref Only)	3.00 (Ref Only)
G	0.066 (Ref Only)	1.68 (Ref Only)
Dimensions "A" and "C" are over terminals.		

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Fig.	Inductance (µH)	Rdc. Max. (Ω)	Idc. Max. (mA)	Price Each 1	100	Reel 500
807-P1812-102K	P1812-102K	A	1.0	0.113	1050	.86	.49	.40
807-P1812-122K	P1812-122K	A	1.2	0.199	1000	.86	.49	.40
807-P1812-152K	P1812-152K	A	1.5	0.222	950	.86	.49	.40
807-P1812-182K	P1812-182K	A	1.8	0.240	900	.86	.49	.40
807-P1812-222K	P1812-222K	A	2.2	0.268	850	.86	.49	.40
807-P1812-272K	P1812-272K	A	2.7	0.288	800	.86	.49	.40
807-P1812-332K	P1812-332K	A	3.3	0.323	750	.86	.49	.40
807-P1812-392K	P1812-392K	A	3.9	0.347	700	.86	.49	.40
807-P1812-472K	P1812-472K	A	4.7	0.401	650	.86	.49	.40
807-P1812-562K	P1812-562K	A	5.6	0.437	650	.86	.49	.40
807-P1812-682K	P1812-682K	A	6.8	0.472	600	.86	.49	.40
807-P1812-822K	P1812-822K	A	8.2	0.548	600	.86	.49	.40
807-P1812-103K	P1812-103K	A	10	0.608	550	.92	.52	.42
807-P1812-123K	P1812-123K	A	12	0.670	550	.92	.52	.42
807-P1812-153K	P1812-153K	A	15	0.780	450	.92	.52	.42
807-P1812-183K	P1812-183K	A	18	0.875	400	.92	.52	.42
807-P1812-223K	P1812-223K	A	22	1.200	370	.92	.52	.42
807-P1812-273K	P1812-273K	A	27	1.404	330	.92	.52	.42
807-P1812-333K	P1812-333K	A	33	1.578	300	.92	.52	.42
807-P1812-393K	P1812-393K	A	39	1.848	280	.92	.52	.42
807-P1812-473K	P1812-473K	A	47	2.064	260	.92	.52	.42
807-P1812-563K	P1812-563K	A	56	2.268	240	.92	.52	.42
807-P1812-683K	P1812-683K	A	68	3.408	220	.92	.52	.42
807-P1812-823K	P1812-823K	A	82	3.648	200	.92	.52	.42
807-P1812-104K	P1812-104K	A	100	4.320	180	.92	.52	.42
807-P1812-124K	P1812-124K	A	120	6.000	160	.92	.52	.42
807-P1812-154K	P1812-154K	A	150	6.432	140	.92	.52	.42
807-P1812-184K	P1812-184K	A	180	8.400	120	.92	.52	.42
807-P1812-224K	P1812-224K	A	220	9.680	120	.92	.52	.42
807-P1812-274K	P1812-274K	A	270	12.720	100	.92	.52	.42
807-P1812-334K	P1812-334K	A	330	15.240	90	.92	.52	.42

P1330 SERIES SMD POWER INDUCTORS

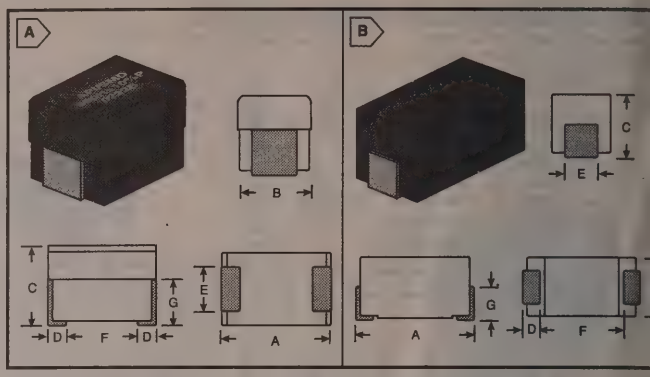
Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise
- Max Power Dissipation at 90°C: 0.210W
- Tolerance: ±10%

Physical Parameters		
	Inches	Millimeters
A	0.300 to 0.325	7.62 to 8.26
B	0.105 to 0.125	2.67 to 3.18
C	0.125 to 0.145	3.18 to 3.68
D	0.020 Min.	0.508 Min.
E	0.040 to 0.060	1.02 to 1.52
F	0.190 (Ref Only)	4.83 (Ref Only)
G	0.070 (Ref Only)	1.78 (Ref Only)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Fig.	Inductance (µH)	Rdc. Max. (Ω)	Idc. Max. (mA)	Price Each 1	100	Reel 500
807-P1330-102K	P1330-102K	B	1.0	0.035	2780	1.56	.89	.71
807-P1330-122K	P1330-122K	B	1.2	0.041	2690	1.56	.89	.71
807-P1330-152K	P1330-152K	B	1.5	0.043	2030	1.56	.89	.71
807-P1330-182K	P1330-182K	B	1.8	0.048	1950	1.56	.89	.71
807-P1330-222K	P1330-222K	B	2.2	0.075	1690	1.56	.89	.71
807-P1330-272K	P1330-272K	B	2.7	0.080	1550	1.56	.89	.71
807-P1330-332K	P1330-332K	B	3.3	0.108	1460	1.56	.89	.71
807-P1330-392K	P1330-392K	B	3.9	0.118	1390	1.56	.89	.71
807-P1330-472K	P1330-472K	B	4.7	0.125	1330	1.56	.89	.71
807-P1330-562K	P1330-562K	B	5.6	0.145	1110	1.56	.89	.71
807-P1330-682K	P1330-682K	B	6.8	0.165	1080	1.56	.89	.71
807-P1330-822K	P1330-822K	B	8.2	0.180	1020	1.56	.89	.71
807-P1330-103K	P1330-103K	B	10	0.216	946	1.71	.98	.71
807-P1330-153K	P1330-153K	B	15	0.288	858	1.71	.98	.71
807-P1330-183K	P1330-183K	B	18	0.328	817	1.71	.98	.71
807-P1330-223K	P1330-223K	B	22	0.384	694	1.71	.98	.71
807-P1330-273K	P1330-273K	B	27	0.425	657	1.71	.98	.71
807-P1330-333K	P1330-333K	B	33	0.538	568	1.71	.98	.71
807-P1330-393K	P1330-393K	B	39	0.600	488	1.71	.98	.71
807-P1330-473K	P1330-473K	B	47	0.792	467	1.71	.98	.71
807-P1330-563K	P1330-563K	B	56	0.900	442	1.71	.98	.71
807-P1330-683K	P1330-683K	B	68	1.020	384	1.71	.98	.71
807-P1330-823K	P1330-823K	B	82	1.380	362	1.71	.98	.71
807-P1330-104K	P1330-104K	B	100	1.680	347	1.84	1.05	.84
807-P1330-124K	P1330-124K	B	120	1.800	327	1.84	1.05	.84
807-P1330-154K	P1330-154K	B	150	2.040	272	1.84	1.05	.84
807-P1330-184K	P1330-184K	B	180	2.400	261	1.84	1.05	.84
807-P1330-224K	P1330-224K	B	220	2.648	223	1.84	1.05	.84
807-P1330-274K	P1330-274K	B	270	4.320	191	1.84	1.05	.84
807-P1330-334K	P1330-334K	B	330	4.800	179	1.84	1.05	.84
807-P1330-394K	P1330-394K	B	390	5.640	171	1.84	1.05	.84
807-P1330-474K	P1330-474K	B	470	6.000	161	1.84	1.05	.84
807-P1330-564K	P1330-564K	B	560	6.960	138	1.84	1.05	.84
807-P1330-684K	P1330-684K	B	680	8.760	130	1.84	1.05	.84
807-P1330-824K	P1330-824K	B	820	9.960	113	1.84	1.05	.84
807-P1330-105K	P1330-105K	B	1000	11.160	105	1.84	1.05	.84



4922 SERIES/HIGH CURRENT INDUCTORS SMD

Mechanical Configuration: Units are encapsulated in a Surface Mount package, using an epoxy molded case. Leads are pre-tinned. A high resistivity ferrite core allows for high inductance with low DC resistance.

Specifications:

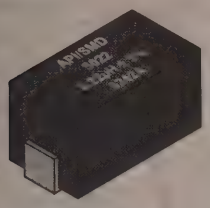
- Operating Temperature: -55°C to +125°C
- Current Rating at 85°C Ambient: 40°C Rise
- Max Power Dissipation at 85°C: 0.55 Watts

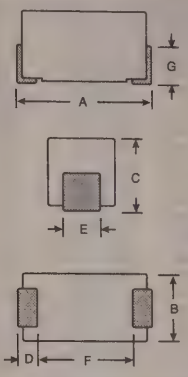
Physical Parameters		
	Inches	Millimeters
A	0.490 to 0.520	12.44 to 13.21
B	0.230 to 0.250	5.84 to 6.35
C	0.210 to 0.230	5.33 to 5.84
D	0.050 Min.	1.27 Min.
E	0.055 to 0.075	1.40 to 1.91
F	0.330 (Ref Only)	8.38 (Ref Only)
G	0.120 (Ref Only)	3.04 (Ref Only)

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	API Delevan Part No.	Fig.	Inductance @ 1 kHz (µH)	Rdc. Max. (Ω)	Idc. Max. (A)	Price Each 1	100	R 5
807-4922-221L	4922-221L	B	0.22	0.008	7	2.22	1.90	1.
807-4922-271L	4922-271L	B	0.27	0.0085	6.75	2.22	1.90	1.
807-4922-331L	4922-331L	B	0.33	0.009	6.5	2.22	1.90	1.
807-4922-391L	4922-391L	B	0.39	0.0095	6.25	2.22	1.90	1.
807-4922-471L	4922-471L	B	0.47	0.01	6	2.22	1.90	1.
807-4922-561L	4922-561L	B	0.56	0.0105	5.8	2.22	1.90	1.
807-4922-681L	4922-681L	B	0.68	0.011	5.7	2.22	1.90	1.
807-4922-821L	4922-821L	B	0.82	0.012	5.6	2.22	1.90	1.
807-4922-01L	4922-01L	B	1.00	0.013	5.5	2.22	1.90	1.
807-4922-02L	4922-02L	B	1.20	0.018	4.69	2.22	1.90	1.
807-4922-03L	4922-03L	B	1.50	0.02	4.45	2.22	1.90	1.
807-4922-04L	4922-04L	B	1.80	0.021	4.34	2.22	1.90	1.
807-4922-05L	4922-05L	B	2.20	0.029	3.7	2.22	1.90	1.
807-4922-06L	4922-06L	B	2.70	0.034	3.41	2.22	1.90	1.
807-4922-07L	4922-07L	B	3.30	0.038	3.23	2.22	1.90	1.
807-4922-08L	4922-08L	B	3.90	0.042	3.07	2.22	1.90	1.
807-4922-09L	4922-09L	B	4.70	0.047	2.9	2.22	1.90	1.
807-4922-10L	4922-10L	B	5.60	0.051	2.79	2.37	2.02	1.
807-4922-11L	4922-11L	B	6.80	0.058	2.61	2.37	2.02	1.
807-4922-12L	4922-12L	B	8.20	0.063	2.51	2.37	2.02	1.
807-4922-13L	4922-13L	B	10.00	0.071	2.36	2.37	2.02	1.
807-4922-14L	4922-14L	B	12.00	0.079	2.24	2.37	2.02	1.
807-4922-15L	4922-15L	B	15.00	0.089	2.11	2.37	2.02	1.
807-4922-16L	4922-16L	B	18.00	0.119	1.82	2.37	2.02	1.
807-4922-17L	4922-17L	B	22.00	0.152	1.61	2.55	2.18	1.
807-4922-18L	4922-18L	B	27.00	0.179	1.48	2.55	2.18	1.
807-4922-19L	4922-19L	B	33.00	0.222	1.33	2.55	2.18	1.
807-4922-20L	4922-20L	B	39.00	0.315	1.12	2.55	2.18	1.
807-4922-21L	4922-21L	B	47.00	0.362	1.04	2.55	2.18	1.
807-4922-22L	4922-22L	B	56.00	0.397	1	2.55	2.18	1.
807-4922-23L	4922-23L	B	68.00	0.418	0.97	2.55	2.18	1.
807-4922-24L	4922-24L	B	82.00	0.604	0.81	2.70	2.32	1.
807-4922-25L	4922-25L	B	100.00	0.672	0.76	2.70	2.32	1.
807-4922-26L	4922-26L	B	120.00	0.735	0.73	2.70	2.32	1.
807-4922-27L	4922-27L	B	150.00	0.998	0.63	2.70	2.32	1.
807-4922-28L	4922-28L	B	180.00	1.37	0.53	2.70	2.32	1.
807-4922-29L	4922-29L	B	220.00	1.58	0.5	2.70	2.32	1.
807-4922-30L	4922-30L	B	270.00	1.77	0.47	2.70	2.32	1.
807-4922-31L	4922-31L	B	330.00	2.51	0.39	2.70	2.32	1.
807-4922-32L	4922-32L	B	390.00	2.73	0.38	2.70	2.32	1.
807-4922-33L	4922-33L	B	470.00	3.25	0.35	2.70	2.32	1.
807-4922-34L	4922-34L	B	560.00	3.75	0.33	2.78	2.38	1.
807-4922-35L	4922-35L	B	680.00	4.31	0.3	2.78	2.38	1.
807-4922-36L	4922-36L	B	820.00	6.04	0.26	2.78	2.38	1.
807-4922-37L	4922-37L	B	1000.00	6.9	0.24	2.78	2.38	1.
807-4922-38L	4922-38L	B	1200.00	10	0.2	2.78	2.38	1.
807-4922-39L	4922-39L	B	1500.00	12.5	0.178	2.78	2.38	1.
807-4922-40L	4922-40L	B	1800.00	16	0.157	2.78	2.38	1.
807-4922-41L	4922-41L	B	2200.00	20	0.141	2.78	2.38	1.
807-4922-42L	4922-42L	B	2700.00	23	0.131	2.78	2.38	1.
807-4922-43L	4922-43L	B	3300.00	25	0.126	2.78	2.38	1.
807-4922-44L	4922-44L	B	3900.00	33	0.11	2.78	2.38	1.
807-4922-45L	4922-45L	B	4700.00	37	0.103	2.78	2.38	1.
807-4922-46L	4922-46L	B	5600.00	40	0.1	2.78	2.38	1.
807-4922-47L	4922-47L	B	6800.00	62	0.08	2.78	2.38	1.
807-4922-48L	4922-48L	B	8200.00	66	0.077	2.78	2.38	1.
807-4922-49L	4922-49L	B	10K	74	0.071	2.78	2.38	1.
807-4922-50L	4922-50L	B	12K	93	0.065	2.78	2.38	1.
807-4922-51L	4922-51L	B	15K	105	0.061	2.78	2.38	1.
807-4922-52L	4922-52L	B	18K	143	0.052	3.29	2.80	1.
807-4922-53L	4922-53L	B	22K	160	0.05	3.29	2.80	1.

22 SERIES / INDUCTORS SMD





Physical Parameters		
	Inches	Millimeters
A	0.490 to 0.520	12.44 to 13.21
B	0.230 to 0.250	5.84 to 6.35
C	0.210 to 0.230	5.33 to 5.84
D	0.050 Min.	1.27 Min.
E	0.055 to 0.095	1.397 to 2.413
F	0.330 (Ref Only)	8.38 (Ref Only)
G	0.120 (Ref Only)	3.04 (Ref Only)

cifications:

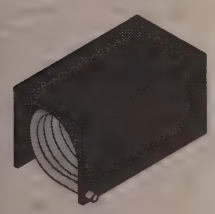
chanical Configuration: Units are encapsulated in an epoxy molded surface mount package.
erating Temperature Range: -55°C to +125°C
rrent Rating at 90°C Ambient: 35°C Rise
ximum Power Dissipation at 90°C: 0.405 W

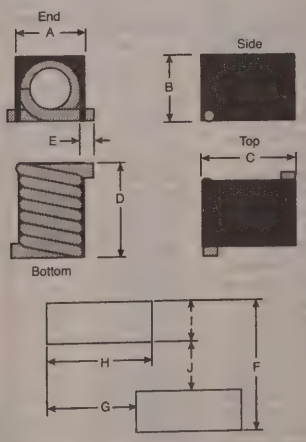
For quantities of 1600 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH) ±5%	Q Min.	Test Freq. (MHz)	Rdc. Max. Ω	Idc. Max. (mA)	Price Each 1	10	100	Reel 800
7-5022-201J	5022-201J	0.20	50	25	0.047	2790	2.70	2.30	1.50	1.20
7-5022-561J	5022-561J	0.56	50	25	0.135	1645	2.08	1.78	1.17	.94
7-5022-621J	5022-621J	0.62	50	25	0.140	1615	2.08	1.78	1.17	.94
7-5022-102J	5022-102J	1.00	50	25	0.290	1125	2.08	1.78	1.17	.94
7-5022-202J	5022-202J	2.00	33	7.9	0.800	675	2.08	1.78	1.17	.94
7-5022-392J	5022-392J	3.90	33	7.9	2.300	395	2.08	1.78	1.17	.94
7-5022-133J	5022-133J	13.00	65	2.5	1.200	520	2.13	1.85	1.07	1.03
7-5022-104J	5022-104J	100.00	50	2.5	4.500	275	2.13	1.85	1.07	1.03

26 SERIES / AIR CORE INDUCTORS SMD

Q, wire wound air cores: Designed to operate over a wide frequency range.





Physical Parameters		
	Inches	Millimeters
A Max	0.250	6.35
B Max	0.235	5.97
C Max	0.420	10.67
D	0.314±.020	7.98±0.510
E	0.032±0.025	0.813±0.635
F	0.394	10.00
G	0.095	2.42
H	0.185	4.70
I	0.080	2.03
J	0.234	5.95

ecifications:

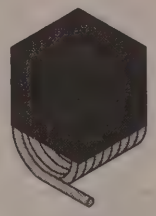
erating Temperature: -55°C to +125°C

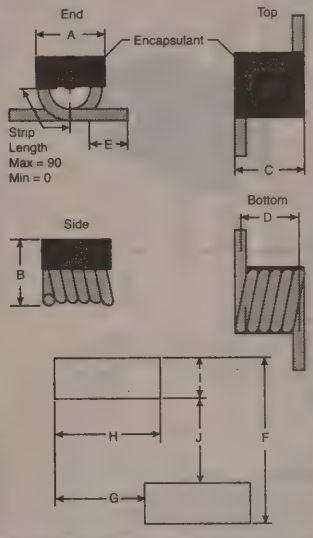
For quantities of 1600 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Inductor (µH)	Idc. Max. (A)	Turns Min.	Q Min.	Price Each 1	10	100	Reel 800
7-5526-1	5526-1	90	3.5	9	95	1.47	1.26	.80	.67
7-5526-2	5526-2	111	3.5	10	87	1.47	1.26	.80	.67
7-5526-3	5526-3	130	3	11	87	1.47	1.26	.80	.67
7-5526-4	5526-4	169	3	12	95	1.47	1.26	.80	.67
7-5526-5	5526-5	206	3	13	95	1.47	1.26	.80	.67
7-5526-6	5526-6	222	3	14	92	1.47	1.26	.80	.67
7-5526-7	5526-7	246	3	15	95	1.47	1.26	.80	.67
7-5526-8	5526-8	307	3	16	95	1.47	1.26	.80	.67
7-5526-9	5526-9	380	2.5	17	95	1.47	1.26	.80	.67
7-5526-10	5526-10	420	2.5	18	95	1.47	1.26	.80	.67
7-5526-11	5526-11	491	2	19	95	1.47	1.26	.80	.67
7-5526-12	5526-12	538	2	20	87	1.47	1.26	.80	.67

4426 SERIES / AIR CORE INDUCTORS, SMD

High Q, wire wound air cores: Designed to operate over a wide frequency range. Standard flat cap top is suitable for automatic placement.





	Size A (in.)	Size A (mm)	Size B (in.)	Size B (mm)
A Max	0.120	3.05	0.120	3.05
B Max	0.125	3.18	0.125	3.18
C Max	0.145	3.68	0.270	6.86
D	0.115±.010	2.92±.25	0.230±.010	5.84±.25
E	0.05±.015	1.27±.38	0.05±.015	1.27±.38
F	0.165	4.19	0.285	7.23
G	0.110	2.79	0.110	2.79
H	0.130	3.30	0.130	3.30
I	0.050	1.27	0.050	1.27
J	0.065	1.65	0.185	4.69

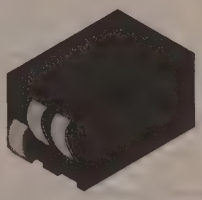
Specifications:

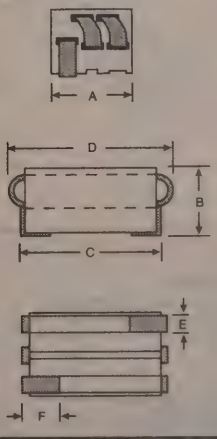
- Operating Temperature: -55°C to +125°C
- Maximum current rating: 3 Amps

For quantities of 800 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Size Code	Inductor (µH)	Turns Min.	Q Min.	Price Each 1	10	100	Reel 400
807-4426-1	4426-1	A	2.5±10%	1	145	.59	.50	.33	.32
807-4426-2	4426-2	A	5.0±10%	2	140	.59	.50	.33	.32
807-4426-3	4426-3	A	8.0±5%	3	140	.59	.50	.33	.32
807-4426-4	4426-4	A	12.5±5%	4	137	.59	.50	.33	.32
807-4426-5	4426-5	A	18.5±5%	5	132	.59	.50	.33	.32
807-4426-6	4426-6	B	17.5±5%	6	100	.59	.50	.33	.32
807-4426-7	4426-7	B	22.0±5%	7	102	.59	.50	.33	.32
807-4426-8	4426-8	B	28.0±5%	8	105	.59	.50	.33	.32
807-4426-9	4426-9	B	35.5±5%	9	112	.59	.50	.33	.32
807-4426-10	4426-10	B	43.0±5%	11	106	.59	.50	.33	.32

SMB 2.5 SERIES SMD SHIELD BEADS





Physical Parameters		
	Inches	Millimeters
A	0.285 ± 0.010	7.2 ± 0.25
B	0.185 ± 0.015	4.7 ± 0.38
C	0.355 ± 0.020	9.02 ± 0.51
D	0.460 Max.	11.68 Max.
E	0.050 ± 0.005	1.27 ± 0.13
F	0.075 Min.	1.9 Min.

Specifications:

- Operating Temperature: -40°C to +125°C
- Idc Max: Based on a 35°C Rise from 90°C Ambient
- Lead Wire: 90/10 (tin/lead)

Feature:

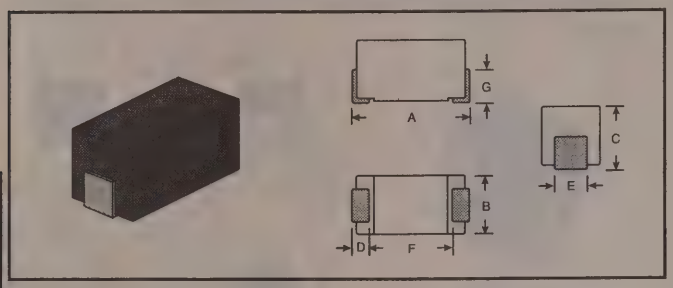
- EMI/RFI Suppression

For quantities of 1400 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Turns	Rdc. Max. (Ω)	Idc. Max. (Amps)	Price Each 1	100	350	Reel 700
807-SMB2.5-1	SMB2.5-1	2.5	0.005	9.5	.72	.60	.54	.48
807-SMB2.5-2	SMB2.5-2	2.5	0.005	9.5	.72	.60	.54	.48

8532 SERIES / INDUCTORS SMD

Mechanical Configuration: Units are encapsulated in a Surface Mount package, using an epoxy molded case. Leads are pre-tinned. A high resistivity ferrite core allows for high inductance with low DC resistance.



Physical Parameters		
	Inches	Millimeters
A	0.840 to 0.880	21.34 to 22.35
B	0.310 to 0.330	7.87 to 8.38
C	0.266 to 0.286	6.76 to 7.26
D	0.050 Min.	1.27 Min.
E	0.070 to 0.110	1.78 to 2.79
F	0.750 (Ref Only)	19.05 (Ref Only)
G	0.120 (Ref Only)	3.05 (Ref Only)
Dimensions "A" and "C" are over terminals.		

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating: 40°C Rise over 85°C Ambient
- Max Power Dissipation at 85°C: 0.50 Watts

For quantities of 1000 and up, call for quote.

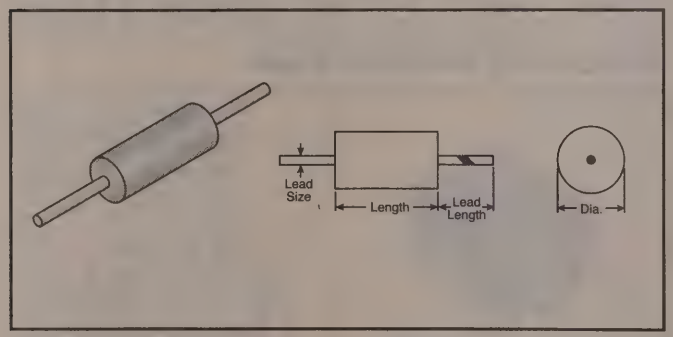
MOUSER STOCK NO.	API Delevan Part No.	Inductance @ 1 kHz µH 15%	Rdc. Max. (Ω)	Idc. Max. (A)	Price Each			
					1	10	100	500
807-8532-01L	8532-01L	1.0	0.009	6.27	2.98	2.55	1.68	1.36
807-8532-02L	8532-02L	1.2	0.010	5.95	2.98	2.55	1.68	1.36
807-8532-03L	8532-03L	1.5	0.011	5.67	2.98	2.55	1.68	1.36
807-8532-04L	8532-04L	1.8	0.012	5.43	2.98	2.55	1.68	1.36
807-8532-05L	8532-05L	2.2	0.013	5.22	2.98	2.55	1.68	1.36
807-8532-06L	8532-06L	2.7	0.014	5.03	2.98	2.55	1.68	1.36
807-8532-07L	8532-07L	3.3	0.016	4.7	2.98	2.55	1.68	1.36
807-8532-08L	8532-08L	3.9	0.017	4.56	2.98	2.55	1.68	1.36
807-8532-09L	8532-09L	4.7	0.022	4.01	2.98	2.55	1.68	1.36
807-8532-10L	8532-10L	5.6	0.024	3.84	2.98	2.55	1.68	1.36
807-8532-11L	8532-11L	6.8	0.026	3.69	2.98	2.55	1.68	1.36

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	API Delevan Part No.	Inductance @ 1 kHz µH 15%	Rdc. Max. (Ω)	Idc. Max. (A)	Price Each			
					1	10	100	50
807-8532-12L	8532-12L	8.2	0.028	3.55	2.98	2.55	1.68	1.3
807-8532-13L	8532-13L	10.0	0.033	3.27	3.30	2.86	1.80	1.5
807-8532-14L	8532-14L	12.0	0.037	3.09	3.30	2.86	1.80	1.5
807-8532-15L	8532-15L	15.0	0.040	2.97	3.30	2.86	1.80	1.5
807-8532-16L	8532-16L	18.0	0.044	2.84	3.30	2.86	1.80	1.5
807-8532-17L	8532-17L	22.0	0.050	2.66	3.30	2.86	1.80	1.5
807-8532-18L	8532-18L	27.0	0.070	2.25	3.30	2.86	1.80	1.5
807-8532-19L	8532-19L	33.0	0.075	2.17	3.30	2.86	1.80	1.5
807-8532-20L	8532-20L	39.0	0.084	2.05	3.30	2.86	1.80	1.5
807-8532-21L	8532-21L	47.0	0.104	1.84	3.30	2.86	1.80	1.5
807-8532-22L	8532-22L	56.0	0.130	1.65	3.30	2.86	1.80	1.5
807-8532-23L	8532-23L	68.0	0.145	1.56	3.30	2.86	1.80	1.5
807-8532-24L	8532-24L	82.0	0.152	1.53	3.30	2.86	1.80	1.5
807-8532-25L	8532-25L	100.0	0.208	1.3	3.48	3.02	1.98	1.6
807-8532-26L	8532-26L	120.0	0.283	1.12	3.48	3.02	1.98	1.6
807-8532-27L	8532-27L	150.0	0.330	1.04	3.48	3.02	1.98	1.6
807-8532-28L	8532-28L	180.0	0.362	0.99	3.48	3.02	1.98	1.6
807-8532-29L	8532-29L	220.0	0.505	0.84	3.48	3.02	1.98	1.6
807-8532-30L	8532-30L	270.0	0.557	0.8	3.48	3.02	1.98	1.6
807-8532-32L	8532-32L	390.0	0.770	0.68	3.48	3.02	1.98	1.6
807-8532-33L	8532-33L	470.0	1.030	0.59	3.48	3.02	1.98	1.6
807-8532-34L	8532-34L	560.0	1.140	0.56	3.48	3.02	1.98	1.6
807-8532-35L	8532-35L	680.0	1.500	0.49	3.48	3.02	1.98	1.6
807-8532-36L	8532-36L	820.0	1.980	0.42	3.48	3.02	1.98	1.6
807-8532-37L	8532-37L	1000.0	2.300	0.39	3.69	3.20	2.00	1.7
807-8532-38L	8532-38L	1200.0	2.550	0.37	3.69	3.20	2.00	1.7
807-8532-39L	8532-39L	1500.0	3.000	0.34	3.69	3.20	2.00	1.7
807-8532-40L	8532-40L	1800.0	4.000	0.3	3.69	3.20	2.00	1.7
807-8532-41L	8532-41L	2200.0	4.400	0.28	3.69	3.20	2.00	1.7
807-8532-42L	8532-42L	2700.0	5.800	0.25	3.69	3.20	2.00	1.7
807-8532-43L	8532-43L	3300.0	6.560	0.23	3.69	3.20	2.00	1.7
807-8532-44L	8532-44L	3900.0	8.630	0.2	3.69	3.20	2.00	1.7
807-8532-45L	8532-45L	4700.0	10.100	0.19	3.69	3.20	2.00	1.7
807-8532-46L	8532-46L	5600.0	11.200	0.18	3.69	3.20	2.00	1.7
807-8532-47L	8532-47L	6800.0	15.000	0.15	3.69	3.20	2.00	1.7
807-8532-48L	8532-48L	8200.0	20.800	0.13	3.69	3.20	2.00	1.7
807-8532-49L	8532-49L	10K	23.400	0.12	3.69	3.20	2.00	1.7
807-8532-50L	8532-50L	12K	26.000	0.12	3.69	3.20	2.00	1.7
807-8532-51L	8532-51L	15K	36.000	0.1	3.69	3.20	2.00	1.7
807-8532-52L	8532-52L	18K	40.000	0.09	3.69	3.20	2.00	1.7

2474 SERIES POWER INDUCTORS LEADED

Mechanical Configuration. Units are axial leaded for thru-hole mounting, encapsulated in an epoxy molded case. High resistivity ferrite core, allows for high inductance with low DC resistance.



Physical Parameters		
	Inches	Millimeters
Length	0.740 ± 0.010	18.80 ± 0.25
Diameter	0.240 ± 0.010	6.10 ± 0.25
Lead Size: AWG #24 TCW	0.032 ± 0.002	0.813 ± 0.051
Lead Length	1.44 ± 0.12	36.58 ± 3.05

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating: 40°C Rise over 85°C Ambient
- Max Power Dissipation at 85°C: 0.50 Watts

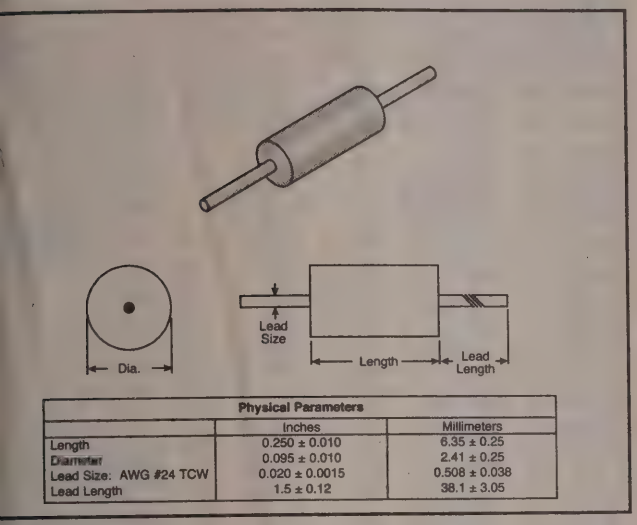
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Inductance @ 1 kHz µH 15%	Rdc. Max. (Ω)	Idc. Max. (A)	Price Each			
					1	10	100	500
807-2474-01L	2474-01L	1	0.009	6.27	2.28	1.98	1.30	1.05
807-2474-02L	2474-02L	1.2	0.01	5.95	2.28	1.98	1.30	1.05
807-2474-03L	2474-03L	1.5	0.011	5.67	2.28	1.98	1.30	1.05
807-2474-04L	2474-04L	1.8	0.012	5.43	2.28	1.98	1.30	1.05
807-2474-05L	2474-05L	2.2	0.013	5.22	2.28	1.98	1.30	1.05
807-2474-06L	2474-06L	2.7	0.014	5.03	2.28	1.98	1.30	1.05
807-2474-07L	2474-07L	3.3	0.016	4.7	2.28	1.98	1.30	1.05
807-2474-08L	2474-08L	3.9	0.017	4.56	2.28	1.98	1.30	1.05
807-2474-09L	2474-09L	4.7	0.022	4.01	2.28	1.98	1.30	1.05
807-2474-10L	2474-10L	5.6	0.024	3.84	2.28	1.98	1.30	1.05
807-2474-11L	2474-11L	6.8	0.026	3.69	2.28	1.98	1.30	1.05

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	API Delevan Part No.	Inductance @ 1 kHz µH 15%	Rdc. Max. (Ω)	Idc. Max. (A)	Price Each			
					1	10	100	50
807-2474-12L	2474-12L	8.2	0.028	3.55	2.28	1.98	1.30	1.0
807-2474-13L	2474-13L	10	0.033	3.27	2.70	2.34	1.50	1.2
807-2474-14L	2474-14L	12	0.037	3.09	2.70	2.34	1.50	1.2
807-2474-15L	2474-15L	15	0.04	2.97	2.70	2.34	1.50	1.2
807-2474-16L	2474-16L	18	0.044	2.84	2.70	2.34	1.50	1.2
807-2474-17L	2474-17L	22	0.05	2.66	2.70	2.34	1.50	1.2
807-2474-18L	2474-18L	27	0.07	2.25	2.70	2.34	1.50	1.2
807-2474-19L	2474-19L	33	0.075	2.17	2.70	2.34	1.50	1.2
807-2474-20L	2474-20L	39	0.084	2.05	2.70	2.34	1.50	1.2
807-2474-21L	2474-21L	47	0.104	1.84	2.70	2.34	1.50	1.2
807-2474-22L	2474-22L	56	0.13	1.65	2.70	2.34	1.50	1.2
807-2474-23L	2474-23L	68	0.145	1.56	2.70	2.34	1.50	1.2
807-2474-24L	2474-24L	82	0.152	1.53	2.70	2.34	1.50	1.2
807-2474-25L	2474-25L	100	0.208	1.3	2.87	2.49	1.60	1.3
807-2474-26L	2474-26L	120	0.283	1.12	2.87	2.49	1.60	1.3
807-2474-27L	2474-27L	150	0.33	1.04	2.87	2.49	1.60	1.3
807-2474-28L	2474-28L	180	0.362	0.99	2.87	2.49	1.60	1.3
807-2474-29L	2474-29L	220	0.505	0.84	2.87	2.49	1.60	1.3
807-2474-30L	2474-30L	270	0.557	0.8	2.87	2.49	1.60	1.3
807-2474-31L	2474-31L	330	0.65	0.74	2.87	2.49	1.60	1.3
807-2474-32L	2474-32L	390	0.77	0.68	2.87	2.49	1.60	1.3
807-2474-33L	2474-33L	470	1.03	0.59	2.87	2.49	1.60	1.3
807-2474-34L	2474-34L	560	1.14	0.56	2.87	2.49	1.60	1.3
807-2474-35L	2474-35L	680	1.5	0.49	2.87	2.49	1.60	1.3
807-2474-36L	2474-36L	820	1.98	0.42	2.87	2.49	1.60	1.3
807-2474-37L	2474-37L	1000	2.3	0.39	3.06	2.65	1.70	1.4
807-2474-38L	2474-38L	1200	2.55	0.37	3.06	2.65	1.70	1.4
807-2474-39L	2474-39L	1500	3	0.34	3.06	2.65	1.70	1.4
807-2474-40L	2474-40L	1800	4	0.3	3.06	2.65	1.70	1.4
807-2474-41L	2474-41L	2200	4.4	0.28	3.06	2.65	1.70	1.4
807-2474-42L	2474-42L	2700	5.8	0.25	3.06	2.65	1.70	1.4
807-2474-43L	2474-43L	3300	6.56	0.23	3.06	2.65	1.70	1.4
807-2474-44L	2474-44L	3900	8.63	0.2	3.06	2.65	1.70	1.4
807-2474-45L	2474-45L	4700	10.1	0.19	3.06	2.65	1.70	1.4
807-2474-46L	2474-46L	5600	11.2	0.18	3.06	2.65	1.70	1.4
807-2474-47L	2474-47L	6800	15	0.15	3.06	2.65	1.70	1.4
807-2474-48L	2474-48L	8200	20.8	0.13	3.06	2.65	1.70	1.4
807-2474-49L	2474-49L	10000	23.4	0.12	3.28	2.84	1.80	1.5
807-2474-50L	2474-50L	12000	26	0.12	3.28	2.84	1.80	1.5
807-2474-51L	2474-51L	15000	36	0.1	3.28	2.84	1.80	1.5
807-2474-52L	2474-52L	18000	40	0.09	3.28	2.84	1.80	1.5

25 SERIES / MOLDED UNSHIELDED RF COILS, LEADED



Physical Parameters	Inches	Millimeters
Length	0.250 ± 0.010	6.35 ± 0.25
Diameter	0.095 ± 0.010	2.41 ± 0.25
Lead Size: AWG #24 TCW	0.020 ± 0.0015	0.508 ± 0.038
Lead Length	1.5 ± 0.12	38.1 ± 3.05

Phenolic Core (LT4K)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each 1	10	100	500
807-1025-94K	1025-94K	0.1	40	25	1380	.62	.53	.35	.28
807-1025-96K	1025-96K	0.12	40	25	1300	.62	.53	.35	.28
807-1025-08K	1025-08K	0.33	30	25	830	.62	.53	.35	.28
807-1025-10K	1025-10K	0.39	30	25	710	.62	.53	.35	.28
807-1025-12K	1025-12K	0.47	30	25	660	.62	.53	.35	.28
807-1025-14K	1025-14K	0.56	30	25	550	.62	.53	.35	.28
807-1025-16K	1025-16K	0.68	28	25	500	.62	.53	.35	.28
807-1025-18K	1025-18K	0.82	28	25	420	.62	.53	.35	.28
807-1025-20K	1025-20K	1	25	25	390	.62	.53	.35	.28

Iron Core (LT10K)

For quantities of 1000 and up, call for quote.

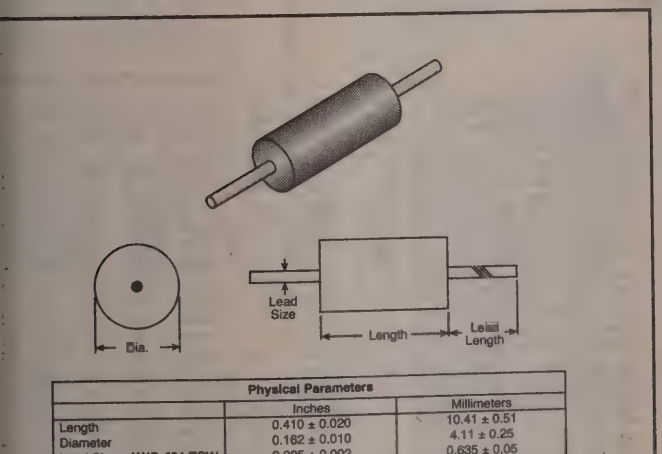
MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each 1	10	100	500
807-1025-22K	1025-22K	1.2	25	7.9	620	.76	.65	.42	.34
807-1025-24K	1025-24K	1.5	28	7.9	560	.76	.65	.42	.34
807-1025-26K	1025-26K	1.8	30	7.9	480	.76	.65	.42	.34
807-1025-28K	1025-28K	2.2	30	7.9	415	.76	.65	.42	.34
807-1025-30K	1025-30K	2.7	37	7.9	355	.76	.65	.42	.34
807-1025-32K	1025-32K	3.3	45	7.9	285	.76	.65	.42	.34
807-1025-34K	1025-34K	3.9	45	7.9	263	.76	.65	.42	.34
807-1025-36K	1025-36K	4.7	45	7.9	239	.76	.65	.42	.34
807-1025-38K	1025-38K	5.6	50	7.9	195	.76	.65	.42	.34
807-1025-40K	1025-40K	6.8	50	7.9	185	.76	.65	.42	.34
807-1025-42K	1025-42K	8.2	55	7.9	160	.76	.65	.42	.34
807-1025-44K	1025-44K	10	55	7.9	144	.76	.65	.42	.34
807-1025-46K	1025-46K	12	45	2.5	160	.76	.65	.42	.34
807-1025-48K	1025-48K	15	45	2.5	157	.76	.65	.42	.34
807-1025-50K	1025-50K	18	50	2.5	149	.76	.65	.42	.34
807-1025-52K	1025-52K	22	50	2.5	144	.76	.65	.42	.34
807-1025-54K	1025-54K	27	50	2.5	140	.76	.65	.42	.34

Ferrite Core (LT10K)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each 1	10	100	500
807-1025-56K	1025-56K	33	45	2.5	130	.83	.70	.47	.38
807-1025-58K	1025-58K	39	45	2.5	125	.83	.70	.47	.38
807-1025-60K	1025-60K	47	45	2.5	110	.83	.70	.47	.38
807-1025-62K	1025-62K	56	45	2.5	100	.83	.70	.47	.38
807-1025-64K	1025-64K	68	50	2.5	92	.83	.70	.47	.38
807-1025-66K	1025-66K	82	50	2.5	88	.83	.70	.47	.38
807-1025-68K	1025-68K	100	50	2.5	84	.83	.70	.47	.38
807-1025-70K	1025-70K	120	30	0.79	66	.83	.70	.47	.38
807-1025-72K	1025-72K	150	30	0.79	61	.83	.70	.47	.38
807-1025-74K	1025-74K	180	30	0.79	57	.83	.70	.47	.38
807-1025-76K	1025-76K	220	30	0.79	52	.83	.70	.47	.38
807-1025-78K	1025-78K	270	30	0.79	47	1.04	.89	.59	.47
807-1025-80K	1025-80K	330	30	0.79	45	1.04	.89	.59	.47
807-1025-82K	1025-82K	390	30	0.79	40	1.04	.89	.59	.47
807-1025-84K	1025-84K	470	30	0.79	36	1.04	.89	.59	.47
807-1025-86K	1025-86K	560	30	0.79	35	1.04	.89	.59	.47
807-1025-88K	1025-88K	680	30	0.79	30	1.04	.89	.59	.47
807-1025-90K	1025-90K	820	30	0.79	29	1.04	.89	.59	.47
807-1025-92K	1025-92K	1000	30	0.79	28	1.04	.89	.59	.47

1641 SERIES / MOLDED SHIELDED RF COILS, THROUGH HOLE



Physical Parameters	Inches	Millimeters
Length	0.410 ± 0.020	10.41 ± 0.51
Diameter	0.162 ± 0.010	4.11 ± 0.25
Lead Size: AWG #24 TCW	0.025 ± 0.002	0.635 ± 0.05
Lead Length	1.44 ± 0.12	36.58 ± 3.05

Phenolic Core/Iron Sleeve (LT10K)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each 1	10	100	500
807-1641-121K	1641-121K	0.12	51	25	1570	1.15	.98	.65	.52
807-1641-151K	1641-151K	0.15	51	25	1500	1.15	.98	.65	.52
807-1641-181K	1641-181K	0.18	50	25	1330	1.15	.98	.65	.52
807-1641-221K	1641-221K	0.22	49	25	1120	1.15	.98	.65	.52
807-1641-271K	1641-271K	0.27	47	25	870	1.15	.98	.65	.52
807-1641-331K	1641-331K	0.33	46	25	800	1.15	.98	.65	.52
807-1641-391K	1641-391K	0.39	44	25	680	1.15	.98	.65	.52
807-1641-471K	1641-471K	0.47	44	25	580	1.15	.98	.65	.52
807-1641-561K	1641-561K	0.56	43	25	505	1.15	.98	.65	.52
807-1641-681K	1641-681K	0.68	42	25	430	1.15	.98	.65	.52
807-1641-821K	1641-821K	0.82	40	25	375	1.15	.98	.65	.52

Iron Core & Sleeve (LT10K)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each 1	10	100	500
807-1641-102K	1641-102K	1	44	25	1090	1.32	1.13	.75	.59
807-1641-122K	1641-122K	1.2	44	7.9	900	1.32	1.13	.75	.59
807-1641-152K	1641-152K	1.5	44	7.9	835	1.32	1.13	.75	.59
807-1641-182K	1641-182K	1.8	44	7.9	775	1.32	1.13	.75	.59
807-1641-222K	1641-222K	2.2	44	7.9	665	1.32	1.13	.75	.59
807-1641-272K	1641-272K	2.7	44	7.9	545	1.32	1.13	.75	.59
807-1641-332K	1641-332K	3.3	44	7.9	490	1.32	1.13	.75	.59
807-1641-392K	1641-392K	3.9	44	7.9	455	1.32	1.13	.75	.59
807-1641-472K	1641-472K	4.7	44	7.9	390	1.32	1.13	.75	.59
807-1641-562K	1641-562K	5.6	44	7.9	340	1.32	1.13	.75	.59
807-1641-682K	1641-682K	6.8	50	7.9	285	1.32	1.13	.75	.59
807-1641-822K	1641-822K	8.2	50	7.9	250	1.32	1.13	.75	.59
807-1641-103K	1641-103K	10	50	7.9	228	1.32	1.13	.75	.59
807-1641-123K	1641-123K	12	55	2.5	205	1.32	1.13	.75	.59

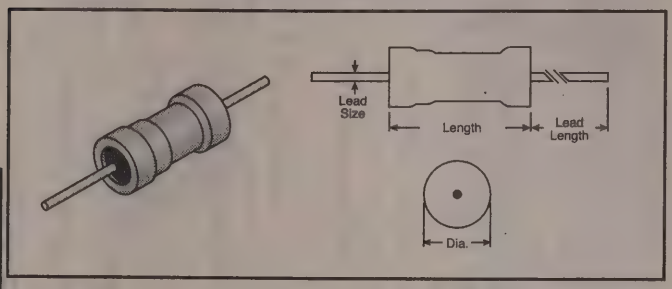
Ferrite Core & Sleeve (LT10K)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each 1	10	100	500
807-1641-153K	1641-153K	15	45	2.5	325	1.32	1.13	.75	.59
807-1641-183K	1641-183K	18	45	2.5	305	1.32	1.13	.75	.59
807-1641-223K	1641-223K	22	45	2.5	295	1.32	1.13	.75	.59
807-1641-273K	1641-273K	27	45	2.5	265	1.32	1.13	.75	.59
807-1641-333K	1641-333K	33	45	2.5	248	1.32	1.13	.75	.59
807-1641-393K	1641-393K	39	50	2.5	209	1.32	1.13	.75	.59
807-1641-473K	1641-473K	47	50	2.5	200	1.32	1.13	.75	.59
807-1641-563K	1641-563K	56	50	2.5	194	1.32	1.13	.75	.59
807-1641-683K	1641-683K	68	50	2.5	176	1.32	1.13	.75	.59
807-1641-823K	1641-823K	82	50	2.5	186	1.32	1.13	.75	.59
807-1641-104K	1641-104K	100	50	2.5	164	1.32	1.13	.75	.59
807-1641-124K	1641-124K	120	55	0.79	153	1.32	1.13	.75	.59
807-1641-154K	1641-154K	150	55	0.79	143	1.32	1.13	.75	.59
807-1641-184K	1641-184K	180	55	0.79	138	1.32	1.13	.75	.59
807-1641-224K	1641-224K	220	55	0.79	130	1.32	1.13	.75	.59
807-1641-274K	1641-274K	270	55	0.79	120	1.32	1.13	.75	.59
807-1641-334K	1641-334K	330	55	0.79	115	1.32	1.13	.75	.59
807-1641-394K	1641-394K	390	60	0.79	107	1.32	1.13	.75	.59
807-1641-474K	1641-474K	470	60	0.79	94	1.39	1.19	.75	.59
807-1641-564K	1641-564K	560	60	0.79	90	1.39	1.19	.75	.59
807-1641-684K	1641-684K	680	60	0.79	84	1.39	1.19	.75	.59
807-1641-824K	1641-824K	820	60	0.79	80	1.39	1.19	.75	.59
807-1641-105K	1641-105K	1000	60	0.79	70	1.39	1.19	.75	.59

4590 SERIES / HIGH CURRENT FILTER INDUCTORS LEADED

Mechanical Configuration: Ferrite Bobbin protected with a flame retardant polyolefin sleeve.



Specifications:

- Operating Temperature: -55°C to +125°C, -55°C to +85°C @ full rated current
- Current Rating: 40°C Rise over 85°C Ambient
- Max Power Dissipation at 85°C: 0.70 Watts

Physical Parameters		
	Inches	Millimeters
Length	0.900 Max.	22.86 Max.
Diameter	0.455 Max.	11.55 Max.
Lead Size: AWG #20 TCW	0.032 ± 0.002	0.813 ± 0.05
Lead Length	1.10 Min.	27.94 Min.

For quantities of 1000 and up, call for quote.

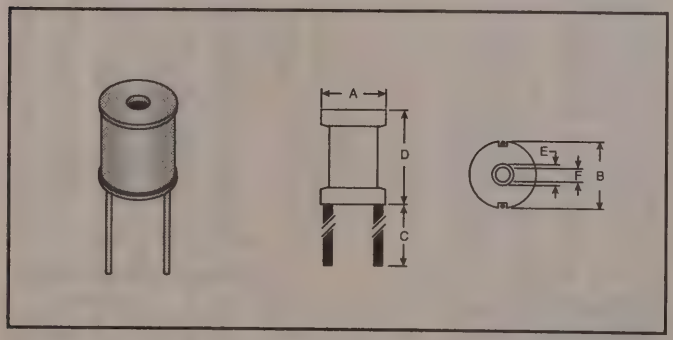
MOUSER STOCK NO.	API Delevan Part No.	Nominal Inductance ±10% (µH)	Max. DC Resistance (Ω)	Max. Current Rating (Amps)	Price Each 1	10	100	500
807-4590-392K	4590-392K	3.9	0.007	9.75	1.80	1.55	1.04	.83
807-4590-472K	4590-472K	4.7	0.008	9.11	1.80	1.55	1.04	.83
807-4590-562K	4590-562K	5.6	0.011	7.77	1.80	1.55	1.04	.83
807-4590-682K	4590-682K	6.8	0.011	7.6	1.80	1.55	1.04	.83
807-4590-822K	4590-822K	8.2	0.013	7.15	1.80	1.55	1.04	.83
807-4590-103K	4590-103K	10	0.016	6.44	1.80	1.55	1.04	.83
807-4590-123K	4590-123K	12	0.018	6.07	1.80	1.55	1.04	.83
807-4590-153K	4590-153K	15	0.02	5.76	2.07	1.78	1.17	.95
807-4590-183K	4590-183K	18	0.02	5.49	2.07	1.78	1.17	.95
807-4590-223K	4590-223K	22	0.024	5.26	2.07	1.78	1.17	.95
807-4590-273K	4590-273K	27	0.025	5.15	2.07	1.78	1.17	.95
807-4590-333K	4590-333K	33	0.028	4.87	2.07	1.78	1.17	.95
807-4590-393K	4590-393K	39	0.028	4.87	2.07	1.78	1.17	.95
807-4590-473K	4590-473K	47	0.034	4.45	2.07	1.78	1.17	.95

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	API Delevan Part No.	Nominal Inductance ±10% (µH)	Rdc. Max. (Ω)	Idc. Max. (A)	Price Each 1	10	100	50
807-4590-563K	4590-563K	56	0.043	3.93	2.07	1.78	1.17	.9
807-4590-683K	4590-683K	68	0.059	3.35	2.07	1.78	1.17	.9
807-4590-823K	4590-823K	82	0.066	3.17	2.07	1.78	1.17	.9
807-4590-104K	4590-104K	100	0.084	2.81	2.07	1.78	1.17	.9
807-4590-124K	4590-124K	120	0.113	2.43	2.07	1.78	1.17	.9
807-4590-154K	4590-154K	150	0.129	2.27	2.07	1.78	1.17	.9
807-4590-184K	4590-184K	180	0.15	2.1	2.07	1.78	1.17	.9
807-4590-224K	4590-224K	220	0.162	2.02	2.07	1.78	1.17	.9
807-4590-274K	4590-274K	270	0.226	1.71	2.07	1.78	1.17	.9
807-4590-334K	4590-334K	330	0.257	1.61	2.07	1.78	1.17	.9
807-4590-394K	4590-394K	390	0.288	1.52	2.07	1.78	1.17	.9
807-4590-474K	4590-474K	470	0.393	1.3	2.07	1.78	1.17	.9
807-4590-564K	4590-564K	560	0.504	1.15	2.07	1.78	1.17	.9
807-4590-684K	4590-684K	680	0.57	1.08	2.07	1.78	1.17	.9
807-4590-824K	4590-824K	820	0.643	1.01	2.07	1.78	1.17	.9
807-4590-105K	4590-105K	1000	0.844	0.89	1.97	1.69	1.12	.9
807-4590-125K	4590-125K	1200	0.977	0.82	1.97	1.69	1.12	.9
807-4590-155K	4590-155K	1500	1.18	0.75	1.97	1.69	1.12	.9
807-4590-185K	4590-185K	1800	1.5	0.66	1.97	1.69	1.12	.9
807-4590-225K	4590-225K	2200	1.76	0.61	1.97	1.69	1.12	.9
807-4590-275K	4590-275K	2700	2.13	0.56	1.97	1.69	1.12	.9
807-4590-335K	4590-335K	3300	2.53	0.51	1.97	1.69	1.12	.9
807-4590-395K	4590-395K	3900	2.84	0.48	1.97	1.69	1.12	.9
807-4590-475K	4590-475K	4700	3.79	0.41	1.81	1.56	1.05	.8
807-4590-565K	4590-565K	5600	4.24	0.39	1.81	1.56	1.05	.8
807-4590-685K	4590-685K	6800	5.75	0.34	1.81	1.56	1.05	.8
807-4590-825K	4590-825K	8200	6.44	0.32	1.81	1.56	1.05	.8
807-4590-106K	4590-106K	10000	7.3	0.3	1.81	1.56	1.05	.8
807-4590-126K	4590-126K	12000	9.34	0.26	1.81	1.56	1.05	.8
807-4590-156K	4590-156K	15000	10.7	0.25	1.81	1.56	1.05	.8
807-4590-186K	4590-186K	18000	14.8	0.21	1.81	1.56	1.05	.8
807-4590-226K	4590-226K	22000	18	0.19	1.81	1.56	1.05	.8
807-4590-276K	4590-276K	27000	22.7	0.17	1.81	1.56	1.05	.8
807-4590-336K	4590-336K	33000	25.7	0.16	1.98	1.70	1.14	.9
807-4590-396K	4590-396K	39000	29.7	0.15	1.98	1.70	1.14	.9
807-4590-476K	4590-476K	47000	33.7	0.14	1.98	1.70	1.14	.9
807-4590-566K	4590-566K	56000	38	0.13	1.98	1.70	1.14	.9
807-4590-686K	4590-686K	68000	52.8	0.11	1.98	1.70	1.14	.9
807-4590-826K	4590-826K	82000	67.3	0.1	1.98	1.70	1.14	.9
807-4590-107K	4590-107K	100000	76	0.09	1.98	1.70	1.14	.9

DC780 SERIES/ HIGH CURRENT POWER LINE CHOKES, LEADED

Mechanical Configuration: Ferrite Bobbin protected with a flame retardant polyolefin sleeve; center hole allows for mechanical mounting; insulated bobbins.



Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating: 40°C Rise over 85°C Ambient
- Max Power Dissipation at 85°C: 0.50 Watts

Physical Parameters		
	Inches	Millimeters
A	0.775 to 0.025	19.6 ± 0.6
B	See Part Number for Dia.	
C	0.750 Min.	6.76 to 7.26
D	0.815 ± 0.015	1.27 Min.
E	0.195 Max. (Ref Only)	1.78 to 2.79
F	Clearance Hole for 4/40 Screw	

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Nominal Induct. (µH)	Rdc. Max. (Ω)	Idc. Max. (A)	Dia. Dim. B (In.)	Price Each 1	10	100	500
807-DC780-102L	DC780-102L	1	0.003	11.4	0.620	5.00	4.00	3.00	2.20
807-DC780-122L	DC780-122L	1.2	0.003	11.4	0.620	5.00	4.00	3.00	2.20
807-DC780-152L	DC780-152L	1.5	0.003	11.4	0.620	5.00	4.00	3.00	2.20
807-DC780-182L	DC780-182L	1.8	0.003	11.4	0.620	5.00	4.00	3.00	2.20
807-DC780-222L	DC780-222L	2.2	0.004	11.4	0.620	5.00	4.00	3.00	2.20

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	API Delevan Part No.	Nominal Induct. (µH)	Rdc. Max. (Ω)	Idc. Max. (A)	Dia. Dim. B (In.)	Price Each 1	10	100	500
807-DC780-272L	DC780-272L	2.7	0.005	11.4	0.620	5.00	4.00	3.00	2.20
807-DC780-332L	DC780-332L	3.3	0.005	11.4	0.620	5.00	4.00	3.00	2.20
807-DC780-392L	DC780-392L	3.9	0.005	11.4	0.620	5.00	4.00	3.00	2.20
807-DC780-472L	DC780-472L	4.7	0.005	11.4	0.620	5.00	4.00	3.00	2.20
807-DC780-562L	DC780-562L	5.6	0.006	11.4	0.620	5.00	4.00	3.00	2.20
807-DC780-682L	DC780-682L	6.8	0.007	11.4	0.620	5.00	4.00	3.00	2.20
807-DC780-822L	DC780-822L	8.2	0.007	11.4	0.620	5.00	4.00	3.00	2.20
807-DC780-103K	DC780-103K	10	0.009	11.4	0.620	5.61	4.86	3.37	2.71
807-DC780-123K	DC780-123K	12	0.009	11.4	0.620	5.61	4.86	3.37	2.71
807-DC780-153K	DC780-153K	15	0.013	9	0.625	5.61	4.86	3.37	2.71
807-DC780-183K	DC780-183K	18	0.018	7.2	0.630	5.61	4.86	3.37	2.71
807-DC780-223K	DC780-223K	22	0.019	7.2	0.630	5.61	4.86	3.37	2.71
807-DC780-273K	DC780-273K	27	0.026	5.5	0.546	5.61	4.86	3.37	2.71
807-DC780-333K	DC780-333K	33	0.029	5.5	0.546	5.61	4.86	3.37	2.71
807-DC780-393K	DC780-393K	39	0.03	5.5	0.594	5.61	4.86	3.37	2.71
807-DC780-473K	DC780-473K	47	0.035	5.5	0.625	5.61	4.86	3.37	2.71
807-DC780-563K	DC780-563K	56	0.039	5.5	0.625	5.61	4.86	3.37	2.71
807-DC780-683K	DC780-683K	68	0.053	4.8	0.656	5.61	4.86	3.37	2.71
807-DC780-823K	DC780-823K	82	0.06	4.8	0.656	5.61	4.86	3.37	2.71
807-DC780-104K	DC780-104K	100	0.08	4	0.593	5.61	4.86	3.37	2.71
807-DC780-124K	DC780-124K	120	0.09	4	0.593	5.61	4.86	3.37	2.71
807-DC780-154K	DC780-154K	150	0.098	4	0.593	5.61	4.86	3.37	2.71
807-DC780-184K	DC780-184K	180	0.11	4	0.593	5.61	4.86	3.37	2.71
807-DC780-224K	DC780-224K	220	0.15	2.8	0.593	5.61	4.86	3.37	2.71
807-DC780-274K	DC780-274K	270	0.213	2	0.562	5.61	4.86	3.37	2.71
807-DC780-334K	DC780-334K	330	0.305	1.6	0.590	5.61	4.86	3.37	2.71
807-DC780-394K	DC780-394K	390	0.32	1.6	0.590	5.61	4.86	3.37	2.71
807-DC780-474K	DC780-474K	470	0.355	1.6	0.590	5.61	4.86	3.37	2.71
807-DC780-564K	DC780-564K	560	0.388	1.6	0.590	7.14	6.19	4.00	3.45
807-DC780-684K	DC780-684K	680	0.43	1.6	0.590	7.14	6.19	4.00	3.45
807-DC780-824K	DC780-824K	820	0.59	1.3	0.590	7.14	6.19	4.00	3.45
807-DC780-105K	DC780-105K	1000	0.818	1	0.590	7.14	6.19	4.00	3.45
807-DC780-125K	DC780-125K	1200	1.14	0.8	0.590	7.14	6.19	4.00	3.45
807-DC780-155K	DC780-155K	1500	1.26	0.8	0.590	7.14	6.19	4.00	3.45
807-DC780-185K	DC780-185K	1800	1.39	0.8	0.590	7.14	6.19	4.00	3.45
807-DC780-225K	DC780-225K	2200	1.54	0.8	0.590	7.14	6.19	4.00	3.45

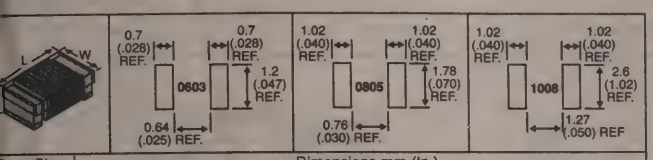
HIGH Q CHIP INDUCTORS

LEAD-FREE

Features:
High Q up to typ.
High operating temp. of 125° C
Applications: mobile phones, cellular phones, CTV, VCR, HIC, FDD

Specifications:
- Temp. rise: 40°C max. @ rated current
- Operating temp.: -40°C to +125°C
- Storage temp.: -40°C to +125°C
- Reflow soldering: 230°C, 10 sec. max.
- Resistance to solder heat: 260°C, 5 sec.

Materials:
- Core material: Alumina (1CC201211)
- Wire: Enamelled Copper (1W1E180)
- Terminal Electrode: Mo/Mn+Ni+Au



Case Size	Dimensions mm (In.)		
	L	W	H
0603	1.65 ±0.15 (.065 ±.008)	1.05 ±0.20 (.041 ±.008)	1.0 ±0.20 (.040 ±.008)
0805	2.1 ±0.20 (.083 ±.008)	1.5 ±0.20 (.059 ±.008)	1.3 ±0.20 (.051 ±.008)
1008	2.75 ±0.20 (.079 ±.008)	2.6 ±0.20 (.102 ±.008)	2.0 ±0.20 (.079 ±.008)

0805 Size

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.		Inductance		Q (min.)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.	nH	Tolerance		1	100	500	2000
652	CW201212-2N2J	2.2	5	40	.22	.21	.19	.11
652	CW201212-4N7J	4.7	5	50	.22	.21	.19	.11
652	CW201212-10NJ	10	5	50	.22	.21	.19	.11
652	CW201212-15NJ	15	5	50	.22	.21	.19	.11
652	CW201212-22NJ	22	5	55	.22	.21	.19	.11
652	CW201212-33NJ	33	5	60	.22	.21	.19	.11
652	CW201212-47NJ	47	5	60	.22	.21	.19	.11
652	CW201212-68NJ	68	5	60	.22	.21	.19	.11
652	CW201212-R10J	100	5	60	.22	.21	.19	.11
652	CW201212-R15J	150	5	50	.22	.21	.19	.11
652	CW201212-R22J	220	5	45	.22	.21	.19	.11
652	CW201212-R33J	330	5	40	.22	.21	.19	.11
652	CW201212-R47J	470	5	33	.22	.21	.19	.11

1008 Size

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.		Inductance		Q (min.)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.	nH	Tolerance		1	100	500	2000
652	CW252016-10NK	10	10	50	.21	.19	.18	.11
652	CW252016-15NK	15	10	40	.24	.22	.21	.15
652	CW252016-22NK	22	10	55	.24	.22	.21	.15
652	CW252016-33NK	33	10	60	.24	.22	.21	.15
652	CW252016-47NK	47	10	65	.24	.22	.21	.15
652	CW252016-68NJ	68	5	65	.24	.22	.21	.15
652	CW252016-R10J	100	5	60	.24	.22	.21	.15
652	CW252016-R15J	150	5	45	.24	.22	.21	.15
652	CW252016-R22J	220	5	45	.24	.22	.21	.15
652	CW252016-R33J	330	5	45	.24	.22	.21	.15
652	CW252016-R47J	470	5	45	.24	.22	.21	.15
652	CW252016-R68J	680	5	45	.24	.22	.21	.15
652	CW252016-1R0J	1000	5	35	.24	.22	.21	.15
652	CW252016-1R5J	1500	5	28	.24	.22	.21	.15
652	CW252016-2R2J	2200	5	28	.24	.22	.21	.15

0603 Size

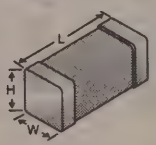
For quantities of 6000 and up, call for quote.

MOUSER STOCK NO.		Inductance		Q (min.)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.	nH	Tolerance		1	100	500	3000
652	CW160808-1N8M	1.8	20	16	.21	.19	.18	.10
652	CW160808-3N9K	3.9	10	16	.21	.19	.18	.10
652	CW160808-4N7K	4.7	10	16	.21	.19	.18	.10
652	CW160808-6N8J	6.8	5	25	.21	.19	.18	.10
652	CW160808-10NJ	10	5	30	.21	.19	.18	.10
652	CW160808-15NJ	15	5	30	.21	.19	.18	.10
652	CW160808-22NJ	22	5	35	.21	.19	.18	.10
652	CW160808-33NJ	33	5	35	.21	.19	.18	.10
652	CW160808-47NJ	47	5	35	.21	.19	.18	.10
652	CW160808-68NJ	68	5	35	.21	.19	.18	.10
652	CW160808-R10J	100	5	34	.21	.19	.18	.10
652	CW160808-R15J	150	5	28	.21	.19	.18	.10
652	CW160808-R22J	220	5	25	.21	.19	.18	.10
652	CW160808-R27J	270	5	25	.21	.19	.18	.10

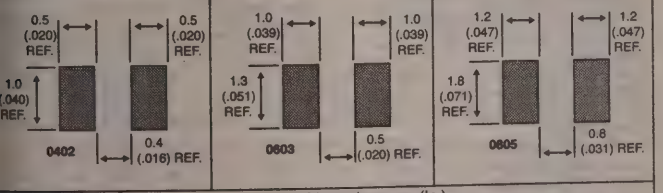
MULTI-LAYER CHIP INDUCTORS

Specifications:
Operating temperature: -55°C to +125°C
Storage temperature: -55°C to +125°C
Reflow soldering: 230°C, 10 sec. max.
Resistance to solder heat: 260°C, 5 sec.

Materials:
Base material: Ceramic
Terminal Electrode: Ag, Ni, Sn



LEAD-FREE



Case Size	Dimensions mm (In.)		
	L	W	H
0402	1.0 ±0.05 (.039 ±.002)	0.5 ±0.05 (.020 ±.002)	0.5 ±0.05 (.020 ±.002)
0603	1.6 ±0.15 (.063 ±.006)	0.8 ±0.15 (.031 ±.006)	0.8 ±0.15 (.031 ±.006)
0805	2.0 ±0.20 (.079 ±.008)	1.25 ±0.20 (.049 ±.008)	1.0 ±0.20 (.049 ±.008)

0402 Size

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.		Inductance		Q (min.) MHz			SRF MHz	Price Each			Reel Price Ea.
Mfr.	Mfr. Part No.	nH	Tol.	100	800	1600	(min.)	1	100	500	10,000
652	CI100505-1N0D	1	0.3nH	8	20	26	6000	.05	.045	.04	.029
652	CI100505-1N5D	1.5	0.3nH	8	20	30	6000	.05	.045	.04	.029
652	CI100505-2N2D	2.2	0.3nH	8	22	35	6000	.05	.045	.04	.029
652	CI100505-3N3D	3.3	0.3nH	8	22	35	6000	.05	.045	.04	.029
652	CI100505-4N7D	4.7	0.3nH	8	22	30	4000	.05	.045	.04	.029
652	CI100505-6N8J	6.8	5	8	22	28	3900	.05	.045	.04	.029
652	CI100505-8N2J	8.2	5	8	20	28	3600	.05	.045	.04	.029
652	CI100505-10NJ	10	5	8	20	24	3200	.05	.045	.04	.029
652	CI100505-15NJ	15	5	8	20	20	2300	.05	.045	.04	.029
652	CI100505-22NJ	22	5	8	20	13	1900	.05	.045	.04	.029
652	CI100505-33NJ	33	5	8	16	---	1300	.05	.045	.04	.029
652	CI100505-47NJ	47	5	8	10	---	1000	.05	.045	.04	.029
652	CI100505-68NJ	68	5	8	---	---	700	.05	.045	.04	.029
652	CI100505-82NJ	82	5	8	---	---	600	.05	.045	.04	.029
652	CI100505-R10J	100	5	8	---	---	550	.05	.045	.04	.029

0603 Size

For quantities of 8000 and up, call for quote.

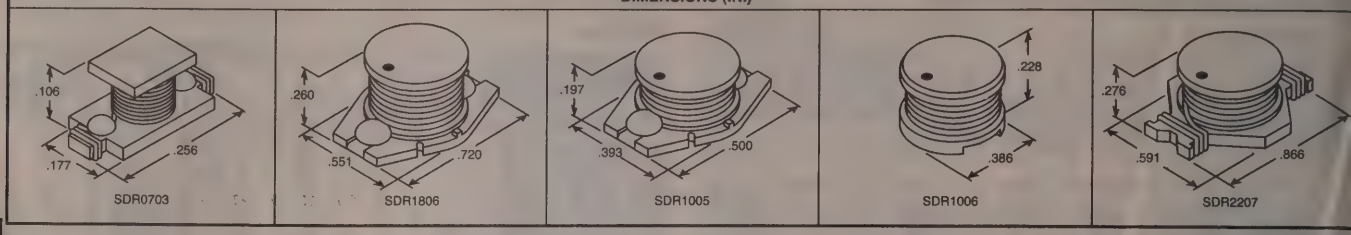
MOUSER STOCK NO.		Inductance		Q (min.)	Test Freq. L, Q MHz	SRF MHz	Price Each			Reel Price Ea.
Mfr.	Mfr. Part No.	nH	Tol.			(min.)	1	100	500	4000
652	CI160808-1N0D	1	0.3nH	8	100	4000	.05	.045	.04	.032
652	CI160808-1N5D	1.5	0.3nH	8	100	4000	.05	.045	.04	.032
652	CI160808-2N2D	2.2	0.3nH	8	100	3600	.05	.045	.04	.032
652	CI160808-3N3D	3.3	0.3nH	10	100	3200	.05	.045	.04	.032
652	CI160808-4N7D	4.7	0.3nH	10	100	2800	.05	.045	.04	.032
652	CI160808-6N8J	6.8	5	10	100	2600	.05	.045	.04	.032
652	CI160808-8N2J	8.2	5	10	100	2200	.05	.045	.04	.032
652	CI160808-10NJ	10	5	10	100	1800	.05	.045	.04	.032
652	CI160808-15NJ	15	5	10	100	1350	.05	.045	.04	.032
652	CI160808-22NJ	22	5	10	100	1100	.05	.045	.04	.032
652	CI160808-33NJ	33	5	10	100	1000	.05	.045	.04	.032
652	CI160808-47NJ	47	5	10	100	800	.05	.045	.04	.032
652	CI160808-68NJ	68	5	10	100	700	.05	.045	.04	.032
652	CI160808-82NJ	82	5	10	100	600	.05	.045	.04	.032
652	CI160808-R10J	100	5	10	50	500	.05	.045	.04	.032
652	CI160808-R15J	150	5	8	50	500	.05	.045	.04	.032
652	CI160808-R22J	220	5	8	50	350	.05	.045	.04	.032

0805 Size

For quantities of 6000 and up, call for quote.

MOUSER STOCK NO.		Inductance		Q (min.)	Test Freq. L, Q MHz	SRF MHz	Price Each			Reel Price Ea.
Mfr.	Mfr. Part No.	nH	Tol.			(min.)	1	100	500	3000
652	CI201210-1N0D	1	0.3nH	10	100	4000	.07	.063	.05	.04
652	CI201210-1N5D	1.5	0.3nH	10	100	4000	.07	.063	.05	.04
652	CI201210-2N2D	2.2	0.3nH	10	100	3800	.07	.063	.05	.04
652	CI201210-3N3D	3.3	0.3nH	10	100	3400	.07	.063	.05	.04
652	CI201210-4N7D	4.7	0.3nH	10	100	3000	.07	.063	.05	.04
652	CI201210-6N8J	6.8	5	10	100	2600	.07	.063	.05	.04
652	CI201210-8N2J	8.2	5	10	100	2200	.07	.063	.05	.04
652	CI201210-10NJ	10	5	10	100	1800	.07	.063	.05	.04
652	CI201210-15NJ	15	5	10	100	1350	.07	.063	.05	.04
652	CI201210-22NJ	22	5	15	100	1100	.07	.063	.05	.04
652	CI201210-33NJ	33	5	15	100	1000	.07	.063	.05	.04
652	CI201210-47NJ	47	5	15	100	850	.07	.063	.05	.04
652	CI201210-68NJ	68	5	15	100	400	.07	.063	.05	.04
652	CI201210-82NJ	82	5	15	100	600	.07	.063	.05	.04
652	CI201210-R10J	100	5	15	100	500	.07	.063	.05	.04
652	CI201210-R15J	150	5	15	50	400	.07	.063	.05	.04
652	CI201210-R22J	220	5	10	50	330	.07	.063	.05	.04
652	CI201210-R33J	330	5	10	50	270	.07	.063	.05	.04
652	CI201210-R47J	470	5	10	50	180	.07	.063	.05	.04

DIMENSIONS (IN.)



SDR SERIES NON-SHIELDED POWER INDUCTORS

Features:

- Applications: Input/output of DC/DC converters, Portable communication equipment, camcorders, LCD TVs, car radios
- Lead free versions are RoHS compliant
- Low hieght of only 2.7mm

Specifications:

- Reflow soldering: 230°C, 10 sec. max.
- Storage temperature: -40°C to +125°C

Pb LEAD-FREE

Cross Reference Chart	
Bourns P/N	Coilcraft
SDR0703-XXXX	D01608C-XXX
SDR1005-XXXX	D03316P-XXX
SDR1006-XXXX	D03316P-XXX
SDR1806-XXXX	D05022P-XXX
SDR2207-XXXX	D05022P-XXXHC

SDR0703 Series

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each			Reel Price Ea.
Mfr. Mfr. Part No.	µH	Tol.				1	100	500	1000
Lead Free									
652—SDR0703-100KL	10	10%	23	2.52	36	.60	.53	.45	.41
652—SDR0703-220KL	22	10%	20	2.52	26	.60	.53	.45	.41
652—SDR0703-680KL	68	10%	18	2.52	13	.60	.53	.45	.41
652—SDR0703-101KL	100	10%	33	0.796	11	.60	.53	.45	.41
Contains Lead									
652—SDR0703-1R0ML	1.0	20%	25	7.96	160	.60	.53	.45	.41
652—SDR0703-1R8ML	1.8	20%	25	7.96	105	.60	.53	.45	.41
652—SDR0703-2R2ML	2.2	20%	24	7.96	95	.60	.53	.45	.41
652—SDR0703-3R3ML	3.3	20%	23	7.96	65	.60	.53	.45	.41
652—SDR0703-4R7ML	4.7	20%	20	7.96	60	.60	.53	.45	.41
652—SDR0703-6R8ML	6.8	20%	20	7.96	45	.60	.53	.45	.41
652—SDR0703-100KL	10	10%	23	2.52	36	.60	.53	.45	.41
652—SDR0703-150KL	15	10%	23	2.52	30	.60	.53	.45	.41
652—SDR0703-220KL	22	10%	20	2.52	26	.60	.53	.45	.41
652—SDR0703-330KL	33	10%	17	2.52	20	.60	.53	.45	.41
652—SDR0703-470KL	47	10%	20	2.52	15	.60	.53	.45	.41
652—SDR0703-680KL	68	10%	18	2.52	13	.60	.53	.45	.41
652—SDR0703-101KL	100	10%	33	0.796	11	.60	.53	.45	.41
652—SDR0703-151KL	150	10%	30	0.796	9	.60	.53	.45	.41
652—SDR0703-221KL	220	10%	31	0.796	7	.60	.53	.45	.41
652—SDR0703-331KL	330	10%	33	0.796	6	.60	.53	.45	.41
652—SDR0703-471KL	470	10%	33	0.796	5	.60	.53	.45	.41
652—SDR0703-681KL	680	10%	32	0.796	4	.60	.53	.45	.41
652—SDR0703-102KL	1000	10%	30	0.252	3.2	.60	.53	.45	.41

SDR1005 Series

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each			Reel Price Ea.
Mfr. Mfr. Part No.	µH	Tol.				1	50	100	600
Lead Free									
652—SDR1005-3R3ML	3.3	20%	50	4	54	.63	.53	.47	.34
652—SDR1005-4R7ML	4.7	20%	50	4	42	.63	.53	.47	.34
652—SDR1005-6R8ML	6.8	20%	50	3	31	.63	.53	.47	.34
652—SDR1005-100ML	10	20%	50	3	26	.63	.53	.47	.34
652—SDR1005-150ML	15	20%	50	3	22	.63	.53	.47	.34
652—SDR1005-220ML	22	20%	40	3	18	.63	.53	.47	.34
652—SDR1005-330KL	33	10%	25	1	14	.63	.53	.47	.34
652—SDR1005-470KL	47	10%	25	1	12	.63	.53	.47	.34
652—SDR1005-680KL	68	10%	25	1	11	.63	.53	.47	.34
652—SDR1005-101KL	100	10%	30	0.05	8	.63	.53	.47	.34
652—SDR1005-221KL	220	10%	33	0.05	5	.63	.53	.47	.34
652—SDR1005-331KL	330	10%	33	0.05	4	.63	.53	.47	.34
Contains Lead									
652—SDR1005-1R0ML	1	20%	20	10	137	.63	.53	.47	.34
652—SDR1005-1R5ML	1.5	20%	50	3	95	.63	.53	.47	.34
652—SDR1005-3R3ML	3.3	20%	50	4	54	.63	.53	.47	.34
652—SDR1005-4R7ML	4.7	20%	50	4	42	.63	.53	.47	.34
652—SDR1005-6R8ML	6.8	20%	50	3	31	.63	.53	.47	.34
652—SDR1005-100ML	10	20%	50	3	26	.63	.53	.47	.34
652—SDR1005-150ML	15	20%	50	3	22	.63	.53	.47	.34
652—SDR1005-220ML	22	20%	40	3	18	.63	.53	.47	.34
652—SDR1005-330KL	33	10%	25	1	14	.63	.53	.47	.34
652—SDR1005-470KL	47	10%	25	1	12	.63	.53	.47	.34
652—SDR1005-680KL	68	10%	25	1	11	.63	.53	.47	.34
652—SDR1005-101KL	100	10%	30	.05	8	.63	.53	.47	.34
652—SDR1005-151KL	150	10%	30	.05	6	.63	.53	.47	.34
652—SDR1005-221KL	220	10%	33	.05	5	.63	.53	.47	.34
652—SDR1005-331KL	330	10%	33	.05	4	.63	.53	.47	.34
652—SDR1005-471KL	470	10%	57	.05	4	.63	.53	.47	.34
652—SDR1005-681KL	680	10%	57	.05	3	.63	.53	.47	.34
652—SDR1005-102KL	1000	10%	81	.07	2	.63	.53	.47	.34
652—SDR1005-152JL	1500	5%	91	.07	2	.63	.53	.47	.34
652—SDR1005-222JL	2200	5%	91	.07	2	.63	.53	.47	.34
652—SDR1005-332JL	3300	5%	93	.07	1	.63	.53	.47	.34
652—SDR1005-472JL	4700	5%	93	.07	1	.63	.53	.47	.34
652—SDR1005-682JL	6800	5%	93	.07	1	.63	.53	.47	.34
652—SDR1005-103KL	10000	10%	101	.07	1	.63	.53	.47	.34

SDR1006 Series

For quantities of 1600 and up, call for quote

MOUSER STOCK NO.	Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each			Reel Price Ea
Mfr. Mfr. Part No.	µH	Tol.				1	50	100	800
Lead Free									
652—SDR1006-220ML	22	20%	25	2.52	13	.57	.48	.43	.38
652—SDR1006-101KL	100	10%	15	.796	5.2	.57	.48	.43	.38
Contains Lead									
652—SDR1006-1R5ML	1.5	20%	35	7.96	105	.57	.48	.43	.38
652—SDR1006-2R2ML	2.2	20%	35	7.96	68	.57	.48	.43	.38
652—SDR1006-3R3ML	3.3	20%	34	7.96	55	.57	.48	.43	.38
652—SDR1006-4R7ML	4.7	20%	33	7.96	40	.57	.48	.43	.38
652—SDR1006-6R8ML	6.8	20%	33	7.96	32	.57	.48	.43	.38
652—SDR1006-100ML	10	20%	30	2.52	21	.57	.48	.43	.38
652—SDR1006-150ML	15	20%	30	2.52	16	.57	.48	.43	.38
652—SDR1006-220ML	22	20%	25	2.52	13	.57	.48	.43	.38
652—SDR1006-330KL	33	10%	25	2.52	10	.57	.48	.43	.38
652—SDR1006-470KL	47	10%	20	2.52	8	.57	.48	.43	.38
652—SDR1006-680KL	68	10%	15	2.52	7	.57	.48	.43	.38
652—SDR1006-101KL	100	10%	15	.796	5.2	.57	.48	.43	.38
652—SDR1006-151KL	150	10%	15	.796	4.5	.57	.48	.43	.38
652—SDR1006-221KL	220	10%	12	.796	3.8	.57	.48	.43	.38
652—SDR1006-331KL	330	10%	12	.796	3.2	.57	.48	.43	.38
652—SDR1006-471KL	470	10%	12	.796	2.5	.57	.48	.43	.38
652—SDR1006-681KL	680	10%	12	.796	2.1	.57	.48	.43	.38
652—SDR1006-102KL	1000	10%	30	.252	1.9	.57	.48	.43	.38
652—SDR1006-152KL	1500	10%	31	.252	1.7	.57	.48	.43	.38
652—SDR1006-222KL	2200	10%	31	.252	1.5	.57	.48	.43	.38
652—SDR1006-332KL	3300	10%	32	.252	1.3	.57	.48	.43	.38
652—SDR1006-472KL	4700	10%	32	.252	0.8	.57	.48	.43	.38

SDR1806 Series

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each			Reel Price Ea
Mfr. Mfr. Part No.	µH	Tol.				1	50	100	500
Lead Free									
652—SDR1806-470ML	47	20%	22	2.52	9	.85	.78	.70	.62
652—SDR1806-680ML	68	20%	22	2.52	8	.85	.78	.70	.62
652—SDR1806-331KL	330	10%	18	0.796	3.5	.85	.78	.70	.62
Contains Lead									
652—SDR1806-1R0ML	1	20%	21	7.96	100	.85	.78	.70	.62
652—SDR1806-2R2ML	2.2	20%	22	7.96	55	.85	.78	.70	.62
652—SDR1806-3R3ML	3.3	20%	22	7.96	40	.85	.78	.70	.62
652—SDR1806-5R6ML	5.6	20%	23	7.96	30	.85	.78	.70	.62
652—SDR1806-100ML	10	20%	22	2.52	25	.85	.78	.70	.62
652—SDR1806-150ML	15	20%	20	2.52	17	.85	.78	.70	.62
652—SDR1806-220ML	22	20%	22	2.52	13	.85	.78	.70	.62
652—SDR1806-330ML	33	20%	24	2.52	11	.85	.78	.70	.62
652—SDR1806-470ML	47	20%	22	2.52	9	.85	.78	.70	.62
652—SDR1806-680ML	68	20%	22	2.52	8	.85	.78	.70	.62
652—SDR1806-101KL	100	10%	25	.796	7	.85	.78	.70	.62
652—SDR1806-151KL	150	10%	23	.796	5	.85	.78	.70	.62
652—SDR1806-221KL	220	10%	20	.796	4.5	.85	.78	.70	.62
652—SDR1806-331KL	330	10%	18	.796	3.5	.85	.78	.70	.62
652—SDR1806-471KL	470	10%	15	.796	3	.85	.78	.70	.62
652—SDR1806-681KL	680	10%	12	.796	2.5	.85	.78	.70	.62
652—SDR1806-102KL	1000	10%	10	.252	2	.85	.78	.70	.62

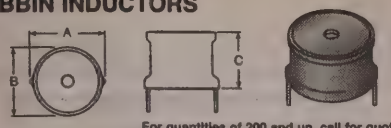
SDR2207 Series

For quantities of 500 and up, call for quote

MOUSER STOCK NO.	Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each			Reel Price Ea.
Mfr. Mfr. Part No.	µH	Tol.				1	25	100	250
Contains Lead									
652—SDR2207-3R3ML	3.3	20%	38	3	39	.96	.80	.72	.63
652—SDR2207-100ML	10	20%	53	5	20	.96	.80	.72	.63
652—SDR2207-220YL	22	15%	27	3	14	.96	.80	.72	.63
652—SDR2207-470KL	47	10%	27	3	9	.96	.80	.72	.63
652—SDR2207-101KL	100	10%	18	2	6.2	.96	.80	.72	.63

1400 SERIES BOBBIN INDUCTORS

atures:
ow DC resistance
ow temperature dependence
perating temperature: -40°C to +85°C

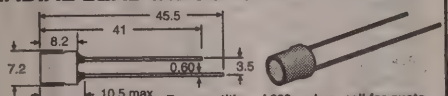


For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (Ω)	IDC cont. (A)	Nom. Self Reson. Freq. MHz	Dimensions (mm) A	B	C	Price Each 1	25	50	100
0-1410313	1410313	10	.007	13	20.7	27	24.4	14	2.49	2.42	2.11	2.02
0-1415312	1415312	15	.009	12	12.7	27	24.4	14	2.49	2.42	2.11	2.02
0-1422311	1422311	22	.011	11	9.3	27	24.4	14	2.49	2.42	2.11	2.02
0-1433393	1433393	33	.015	9.3	9.1	27	24.4	14	2.49	2.42	2.11	2.02
0-1447383	1447383	47	.019	8.3	6.0	27	24.4	18.5	2.62	2.54	2.22	2.12
0-1468362	1468362	68	.032	6.2	5.3	26.5	24.4	14	2.49	2.42	2.11	2.02
0-1410454	1410454	100	.042	5.4	4.6	26.4	24.4	14	2.49	2.42	2.11	2.02
0-1415440	1415440	150	.069	4.0	3.4	26.2	24.4	14	2.49	2.42	2.11	2.02
0-1422435	1422435	220	.096	3.5	2.8	26.1	24.4	14	2.49	2.42	2.11	2.02
0-1433428	1433428	330	.150	2.8	2.5	25.9	24.4	14	2.49	2.42	2.11	2.02
0-1447423	1447423	470	.222	2.3	2.0	25.7	24.4	14	2.49	2.42	2.11	2.02
0-1468420	1468420	680	.276	2.0	1.6	25.7	24.4	14	2.49	2.42	2.11	2.02
0-1468422	1468422	680	.226	2.2	1.3	25.9	24.4	18.5	2.62	2.54	2.21	2.13
0-1410516	1410516	1000	.419	1.6	1.4	25.6	24.4	14	2.49	2.42	2.11	2.02

1700 SERIES RADIAL LEAD INDUCTORS

atures:
ow DC resistance
ow temperature dependence
Operating temperature: 0°C to 70°C
MENSIONS (mm)



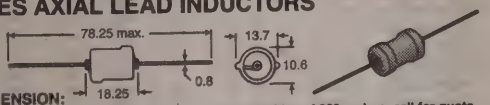
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (Ω)	IDC cont. (A)	Nom. Q @ f kHz Q	f	Nom. Self Reson. Freq. MHz	Price Each 1	25	50	100
80-17103	17103	10	.05	1.8	40	1000	21.2	1.19	1.15	1.00	.96
80-17153	17153	15	.06	1.5	30	500	19.4	1.19	1.15	1.00	.96
80-17223	17223	22	.09	1.2	30	500	17.0	1.19	1.15	1.00	.96
80-17333	17333	33	.13	1.0	25	500	11.4	1.19	1.15	1.00	.96
80-17473	17473	47	.20	.86	25	500	10.9	1.19	1.15	1.00	.96
80-17683	17683	68	.26	.85	70	100	10.6	1.19	1.15	1.00	.96
80-17104	17104	100	.35	.74	65	100	8.9	1.19	1.15	1.00	.96
80-17154	17154	150	.49	.58	80	100	6.2	1.19	1.15	1.00	.96
80-17224	17224	220	.75	.48	90	100	5.4	1.19	1.15	1.00	.96
80-17334	17334	330	1.10	.42	95	100	4.5	1.19	1.15	1.00	.96
80-17474	17474	470	1.56	.34	100	100	3.2	1.19	1.15	1.00	.96
80-17684	17684	680	2.40	.28	105	100	3.0	1.19	1.15	1.00	.96
80-17105	17105	1000	3.30	.19	120	100	2.5	1.19	1.15	1.00	.96

1800 SERIES AXIAL LEAD INDUCTORS

atures:
ow DC resistance
Compact size
Operating temperature:
°C to +70°C

DIMENSION: (mm)



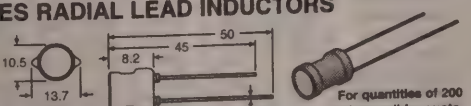
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (mΩ)	IDC cont. (A)	Nom. Q @ f kHz Q	f	Nom. Self Reson. Freq. MHz	Price Each 1	25	50	100
80-18103	18103	10	15	3.45	64	1000	19.0	1.44	1.39	1.21	1.16
80-18153	18153	15	18	3.00	55	500	15.9	1.44	1.39	1.21	1.16
80-18223	18223	22	25	2.42	59	500	11.8	1.44	1.39	1.21	1.16
80-18333	18333	33	40	2.00	48	500	11.5	1.44	1.39	1.21	1.16
80-18473	18473	47	55	1.65	55	500	8.5	1.44	1.39	1.21	1.16
80-18683	18683	68	70	1.35	31	100	6.6	1.44	1.39	1.21	1.16
80-18104	18104	100	100	1.20	40	100	7.4	1.44	1.39	1.21	1.16
80-18154	18154	150	165	1.10	47	100	4.4	1.44	1.39	1.21	1.16
80-18224	18224	220	230	.90	46	100	3.5	1.44	1.39	1.21	1.16
80-18334	18334	330	335	.73	58	100	3.0	1.44	1.39	1.21	1.16
80-18474	18474	470	465	.60	56	100	2.2	1.44	1.39	1.21	1.16
80-18684	18684	680	630	.53	55	100	2.0	1.44	1.39	1.21	1.16
80-18105	18105	1000	1	.44	94	50	1.6	1.44	1.39	1.21	1.16

1800R SERIES RADIAL LEAD INDUCTORS

eatures:
Low DC resistance
Compact size
Low temperature dependence
Operating temperature: 0°C to 70°C

DIMENSION: (mm)

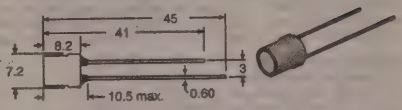


For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (Ω)	IDC cont. (A)	Nom. Q @ f kHz Q	f	Nom. Self Reson. Freq. MHz	Price Each 1	25	50	100
580-18R103	18R103	10	15	3.45	59	500	23.8	1.44	1.39	1.21	1.16
580-18R153	18R153	15	18	3.00	55	500	17.0	1.44	1.39	1.21	1.16
580-18R223	18R223	22	25	2.42	51	500	14.1	1.44	1.39	1.21	1.16
580-18R333	18R333	33	40	2.00	48	500	11.5	1.44	1.39	1.21	1.16
580-18R473	18R473	47	55	1.65	46	500	9.85	1.44	1.39	1.21	1.16
580-18R683	18R683	68	70	1.35	27	100	8.29	1.44	1.39	1.21	1.16
580-18R104	18R104	100	100	1.20	40	100	7.4	1.44	1.39	1.21	1.16
580-18R154	18R154	150	165	1.10	40	100	5.58	1.44	1.39	1.21	1.16
580-18R224	18R224	220	230	.90	39	100	4.0	1.44	1.39	1.21	1.16
580-18R334	18R334	330	335	.73	49	100	3.57	1.44	1.39	1.21	1.16
580-18R474	18R474	470	465	.60	50	100	2.81	1.44	1.39	1.21	1.16
580-18R684	18R684	680	630	.53	48	100	2.43	1.44	1.39	1.21	1.16
580-18R105	18R105	1000	1	.44	92	50	1.82	1.44	1.39	1.21	1.16

2200R SERIES RADIAL LEAD INDUCTORS

- Low DC resistance
- Miniature size
- Low temperature dependence
- Operating temperature: -25°C to +70°C

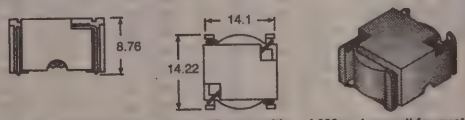


DIMENSIONS (mm) For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (Ω)	IDC cont. (A)	Nom. Q @ f kHz Q	f	Nom. Self Reson. Freq. MHz	Price Each 1	25	50	100
580-22R103	22R103	10	.07	1.5	140	1400	40.0	.58	.56	.49	.47
580-22R153	22R153	15	.80	1.1	150	1400	30.0	.58	.56	.49	.47
580-22R223	22R223	22	.11	1.0	150	950	20.0	.58	.56	.49	.47
580-22R333	22R333	33	.15	.92	150	950	15.0	.58	.56	.49	.47
580-22R473	22R473	47	.28	.78	160	600	12.8	.58	.56	.49	.47
580-22R683	22R683	68	.30	.77	150	700	6.8	.58	.56	.49	.47
580-22R104	22R104	100	.50	.66	160	450	6.0	.58	.56	.49	.47
580-22R154	22R154	150	.54	.52	160	300	4.4	.58	.56	.49	.47
580-22R224	22R224	220	1.05	.44	150	250	3.7	.58	.56	.49	.47
580-22R334	22R334	330	1.21	.38	150	250	3.3	.58	.56	.49	.47
580-22R474	22R474	470	1.87	.31	140	250	2.9	.58	.56	.49	.47
580-22R684	22R684	680	2.70	.25	120	250	2.2	.58	.56	.49	.47
580-22R105	22R105	1000	3.80	.17	150	250	1.8	.58	.56	.49	.47

4000 SERIES TOROIDAL SMD INDUCTORS

- 3.3µH to 330µH
- Up to 5.20A IDC
- Toroidal Construction giving Low Leakage Flux

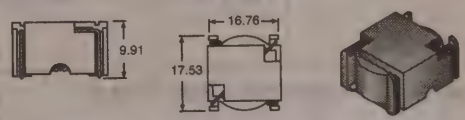


DIMENSIONS (mm) For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (Ω)	IDC Cont. (A)	Price Each 1	25	50	100
580-403R3	403R3	3.3	17	5.20	1.78	1.73	1.50	1.44
580-404R7	404R7	4.7	19	4.40	1.78	1.73	1.50	1.44
580-406R8	406R8	6.8	20	3.60	1.78	1.73	1.50	1.44
580-40100	40100	10	23	3.00	1.78	1.73	1.50	1.44
580-40150	40150	15	30	2.40	1.78	1.73	1.50	1.44
580-40220	40220	22	35	2.10	1.78	1.73	1.50	1.44
580-40330	40330	33	54	1.66	1.78	1.73	1.50	1.44
580-40470	40470	47	79	1.42	1.78	1.73	1.50	1.44
580-40680	40680	68	148	1.20	1.78	1.73	1.50	1.44
580-40101	40101	100	177	0.94	1.78	1.73	1.50	1.44
580-40151	40151	150	273	0.76	1.78	1.73	1.50	1.44
580-40221	40221	220	405	0.67	1.78	1.73	1.50	1.44
580-40331	40331	330	610	0.54	1.78	1.73	1.50	1.44

4100 SERIES TOROIDAL SMD INDUCTORS

- 2.7µH to 330µH
- Up to 8.10A IDC
- Toroidal Construction giving Low Leakage Flux

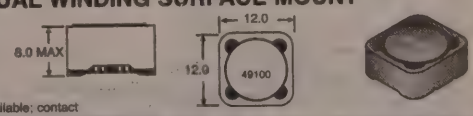


DIMENSIONS (mm) For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (Ω)	IDC Cont. (A)	Price Each 1	25	50	100
580-412R7	412R7	2.7	14	8.10	1.95	1.88	1.65	1.57
580-414R7	414R7	4.7	18	6.70	1.95	1.88	1.65	1.57
580-416R8	416R8	6.8	20	5.70	1.95	1.88	1.65	1.57
580-41100	41100	10	24	4.70	1.95	1.88	1.65	1.57
580-41150	41150	15	28	4.00	1.95	1.88	1.65	1.57
580-41220	41220	22	33	3.30	1.95	1.88	1.65	1.57
580-41330	41330	33	38	2.70	1.95	1.88	1.65	1.57
580-41470	41470	47	62	2.20	1.95	1.88	1.65	1.57
580-41680	41680	68	110	1.75	1.95	1.88	1.65	1.57
580-41101	41101	100	158	1.47	1.95	1.88	1.65	1.57
580-41151	41151	150	247	1.16	1.95	1.88	1.65	1.57
580-41221	41221	220	377	1.03	1.95	1.88	1.65	1.57
580-41331	41331	330	462	0.83	1.95	1.88	1.65	1.57

4900 SERIES, DUAL WINDING SURFACE MOUNT INDUCTORS

- Tape and reel packaging
- Integral EMI shield
- Bobbin format
- Other inductance values available; contact Mouser Service Representative.



DIMENSIONS (mm) For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (Ω)	IDC Cont. (A)	Price Each 1	25	50	100
580-49100	49100	10	41.0	4.50	.99	.96	.84	.81
580-49150	49150	15	53.0	3.70	.99	.96	.84	.81
580-49220	49220	22	81.0	3.00	.99	.96	.84	.81
580-49470	49470	47	191	2.10	.99	.96	.84	.81
580-49101	49101	100	348	1.41	.99	.96	.84	.81

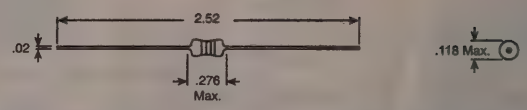
FASTRON EPOXY CONFORMAL COATED CHOKES

These choke coils are UL recognized and feature an inductance of 0.15μH to 1000μH, capable of handling currents from 55mA to 1.35 amps. They are more economical than molded chokes and require no more board space than a 1/2 watt resistor. Tape and reel, ammo pack, and formed leads are available upon request.

- EIA color coded
- Operating temperature:IEC climactic category: 55/125/56; DIN climactic category: FKF: -55 to 125°C, humidity category F

E169264

DIMENSIONS (IN



Miniature Choke Coils

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Tol. %	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each 1	100	500	1000
434-22-R15	0.15	±10	35	25.2	500	0.13	1020	.20	.13	.10	.09
434-22-R22	0.22	±10	35	25.2	420	0.16	990	.20	.13	.10	.09
434-22-R27	0.27	±10	35	25.2	380	0.17	910	.20	.13	.10	.09
434-22-R39	0.39	±10	35	25.2	300	0.22	790	.20	.13	.10	.09
434-22-R47	0.47	±10	35	25.2	280	0.25	750	.20	.13	.10	.09
434-22-R56	0.56	±10	35	25.2	260	0.28	700	.20	.13	.10	.09
434-22-R68	0.68	±10	35	25.2	240	0.48	530	.20	.13	.10	.09
434-22-R82	0.82	±10	35	25.2	230	0.55	500	.20	.13	.10	.09
434-22-1R0	1	±5	35	25.2	180	0.25	630	.20	.13	.10	.09
434-22-1R2	1.2	±5	40	7.96	170	0.25	610	.20	.13	.10	.09
434-22-1R5	1.5	±5	40	7.96	150	0.3	570	.20	.13	.10	.09
434-22-1R8	1.8	±5	40	7.96	130	0.3	540	.20	.13	.10	.09
434-22-2R2	2.2	±5	40	7.96	120	0.35	520	.20	.13	.10	.09
434-22-2R7	2.7	±5	40	7.96	110	0.4	480	.20	.13	.10	.09
434-22-3R3	3.3	±5	40	7.96	110	0.5	420	.20	.13	.10	.09
434-22-3R9	3.9	±5	40	7.96	100	0.55	400	.20	.13	.10	.09
434-22-4R7	4.7	±5	40	7.96	90	0.65	380	.20	.13	.10	.09
434-22-5R6	5.6	±5	45	7.96	75	1.3	260	.20	.13	.10	.09
434-22-6R8	6.8	±5	45	7.96	70	1.45	250	.20	.13	.10	.09
434-22-8R2	8.2	±5	50	7.96	65	1.6	240	.20	.13	.10	.09
434-22-100	10	±5	50	7.96	60	1.7	230	.20	.13	.10	.09
434-22-120	12	±5	50	2.52	50	2.4	190	.20	.13	.10	.09
434-22-150	15	±5	50	2.52	45	2.7	185	.20	.13	.10	.09

Miniature Choke Coils (cont.)

For quantities of 2000 and up, call for quot

MOUSER STOCK NO.	L (μH)	Tol. %	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each 1	100	500	100
434-22-180	18	±5	60	2.52	14	0.81	350	.20	.13	.10	.09
434-22-220	22	±5	60	2.52	12	0.9	335	.20	.13	.10	.09
434-22-270	27	±5	60	2.52	11	1	315	.20	.13	.10	.09
434-22-330	33	±5	60	2.52	10	1.12	300	.20	.13	.10	.09
434-22-390	39	±5	60	2.52	8.5	1.21	285	.20	.13	.10	.09
434-22-470	47	±5	60	2.52	7.7	2.4	200	.20	.13	.10	.09
434-22-560	56	±5	60	2.52	6.8	2.6	195	.20	.13	.10	.09
434-22-680	68	±5	60	2.52	5.7	2.9	185	.20	.13	.10	.09
434-22-820	82	±5	60	2.52	5.5	3.2	175	.20	.13	.10	.09
434-22-101	100	±5	60	2.52	5.3	3.5	170	.20	.13	.10	.09
434-22-121	120	±5	60	0.79	5	3.8	160	.20	.13	.10	.09
434-22-151	150	±5	60	0.79	4.6	4.3	150	.20	.13	.10	.09
434-22-181	180	±5	60	0.79	4.2	5.3	135	.20	.13	.10	.09
434-22-221	220	±5	60	0.79	3.8	5.8	130	.20	.13	.10	.09
434-22-271	270	±5	60	0.79	3.2	7.8	115	.20	.13	.10	.09
434-22-331	330	±5	60	0.79	3	8.7	105	.20	.13	.10	.09
434-22-391	390	±5	60	0.79	2.7	11	95	.20	.13	.10	.09
434-22-471	470	±5	60	0.79	2.3	12	90	.20	.13	.10	.09
434-22-561	560	±5	60	0.79	2.2	16.5	75	.20	.13	.10	.09
434-22-681	680	±5	60	0.79	2	22	65	.20	.13	.10	.09
434-22-821	820	±5	60	0.79	1.8	25	60	.20	.13	.10	.09
434-22-102	1000	±5	60	0.79	1.5	33	55	.20	.13	.10	.09

CHOKE COILS

These choke coils feature inductances from 0.7μH to 33,000μH capable of handling currents from 50mA to 7 amps. Their ferrite cores allow smaller forms, requiring less board space. Formed, tape and reel, and ammo packaging are available on request. Call our full service line, (800) 346-6873 for quote.

Features:

- Insulation strength: 2.0KV (epoxy coated)
- Operating temp.: -25°C to +85°C, Δ L/L (25°C) <±10%
- EIA color coded
- Axial leads
- Inductance test freq.: High current chokes: 1MHz; Low and medium current chokes: 20kHz

DIMENSIONS (IN.)

For quantities of 2000 and up, call for quot

MOUSER STOCK NO.	L (μH)	Tol. %	Q Min.	Test Freq. (kHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each 1	100	500	100
434-15-331K	330	±10	35	796	1.4	1.4	500	.80	.53	.39	.35
434-15-391K	390	±10	35	796	1.3	1.6	460	.80	.53	.39	.35
434-15-471K	470	±10	35	796	1.2	1.8	420	.80	.53	.39	.35
434-15-681K	680	±10	35	796	0.92	2.6	350	.80	.53	.39	.35
434-15-102J	1000	±5	70	252	0.72	4.2	280	.80	.53	.39	.35
434-15-122J	1200	±5	70	252	0.68	5.5	350	.80	.53	.39	.35
434-15-182J	1800	±5	70	252	1.1	5.6	200	.80	.53	.39	.35
434-15-222J	2200	±5	70	252	0.5	10	180	.80	.53	.39	.35
434-15-332J	3300	±5	70	252	0.42	12	150	.80	.53	.39	.35
434-15-472J	4700	±5	70	252	0.31	18	130	.80	.53	.39	.35
434-15-822J	8200	±5	70	252	0.5	20	100	.80	.53	.39	.35
434-15-153J	15000	±5	70	79	0.35	45	70	.80	.53	.39	.35
434-15-183J	18000	±5	70	79	0.16	80	65	.80	.53	.39	.35
434-15-223J	22000	±5	70	79	0.15	100	60	.80	.53	.39	.35
434-15-273J	27000	±5	70	79	0.29	70	55	.80	.53	.39	.35
434-15-333J	33000	±5	50	79	0.14	130	67	.80	.53	.39	.35

RFI SUPPRESSION COILS

These RFI suppression coils feature inductance ranges from 1μH to 10,000μH capable of handling currents from 80mA to 12 amps. Non-standard values and tape/reel packaging are available on request.

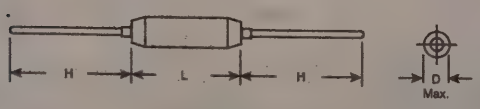
Features:

- UL recognized and VDE approved
- Direct cross to Epcos suppression coils

E169264

Specifications:

- Operating temperature range: -55°C - +125°C
- Dielectric insulation strength: 2.5KV
- Inductive tolerance: ±20%
- Rated inductance measured at : 1MHz for L ≤ 10μH
  100kHz for 10μH < L ≤ 1000μH
  10kHz for L > 1000μH



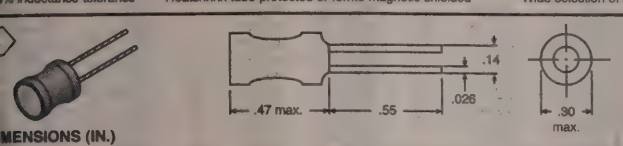
For quantities of 2000 and up, call for quot

MOUSER STOCK NO.	L (μH)	Max DC Current (A)	DCR Max (mΩ)	Dimensions (In.) L	D	H	Price Each 1	100	500	100
Small Suppression Coils - Iron Oxide Core										
434-09-1R0M	1	6.00	11	.669	.217	1.38	.45	.38	.29	.26
434-09-2R0M	2	4.00	20	.669	.217	1.38	.45	.38	.29	.26
434-09-3R0M	3	3.00	38	.669	.217	1.38	.45	.38	.29	.26
434-09-6R0M	6	2.00	120	.669	.217	1.38	.45	.38	.29	.26
434-09-100M	10	1.50	230	.669	.217	1.38	.45	.38	.29	.26
434-09-230M	23	0.70	730	.669	.217	1.38	.45	.38	.29	.26
434-09-161M	160	0.15	18000	.669	.217	1.38	.45	.38	.29	.26
Medium Suppression Coils - Ferrite Core										
434-11-120M	12	4.00	40	.906	.295	1.26	.62	.39	.30	.27
434-11-220M	22	3.00	70	.906	.295	1.26	.62	.39	.30	.27
434-11-400M	40	2.00	180	.906	.295	1.26	.62	.39	.30	.27
434-11-560M	56	1.50	300	.906	.295	1.26	.62	.39	.30	.27
434-11-101M	100	1.00	650	.906	.295	1.26	.62	.39	.30	.27
434-11-221M	220	0.50	2600	.906	.295	1.26	.62	.39	.30	.27
434-11-471M	470	0.30	6500	.906	.295	1.26	.62	.39	.30	.27
434-11-681M	680	0.20	14000	.906	.295	1.26	.62	.39	.30	.27
434-11-122M	1200	0.10	34000	.906	.295	1.26	.62	.39	.30	.27
High Current Suppression Coils - Ferrite Core										
434-13-5R6M	5.6	8.00	0.017	1.030	.315	1.30	.85	.61	.55	.49
434-13-100M	10	5.00	0.035	1.030	.315	1.30	.85	.61	.55	.49
434-13-680M	68	3.00	0.10	1.030	.394	1.30	.85	.61	.55	.49
434-13-101M	100	2.50	0.15	1.030	.433	1.30	.85	.61	.55	.49
434-13-151M	150	1.80	0.30	1.030	.433	1.30	.85	.61	.55	.49
434-13-331M	330	1.40	0.50	1.030	.433	1.30	.85	.61	.55	.49
434-13-102M	1000	0.80	1.50	1.030	.433	1.30	.85	.61	.55	.49
434-13-152M	1500	0.70	2.00	1.030	.433	1.30	.85	.61	.55	.49
434-13-332M	3300	0.50	4.00	1.030	.433	1.30	.85	.61	.55	.49
434-13-682M	6800	0.35	8.00	1.030	.433	1.30	.85	.61	.55	.49
434-13-103M	10000	0.30	12.00	1.030	.433	1.30	.85	.61	.55	.49

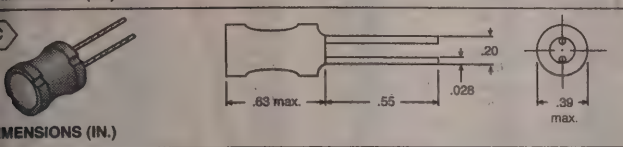
Pluggable and Epoxy Dipped Coils

RADIAL PLUGGABLE COILS

ures:
- Multi-layer windings on ferrite cores
- Sturdy pluggable radial construction with solder dipped leads
- 5% inductance tolerance
- Heatshrink tube protected or ferrite magnetic shielded
- Wide selection of medium to high inductances



DIMENSIONS (IN.)



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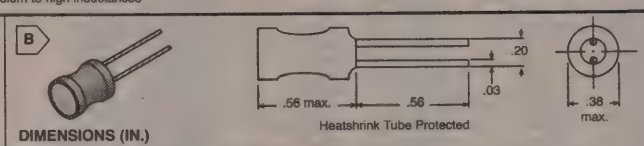
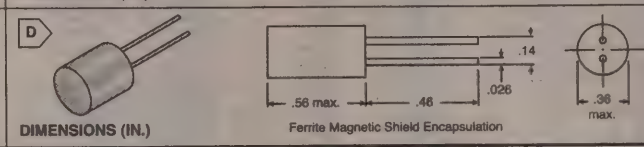


Heatshrink Tube Protected



Ferrite Magnetic Shield Encapsulation

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Inductance @ 20 kHz µH	Inductance @ 20 kHz mH	Q Min.	Test Freq. (kHz)	Res. Freq. (kHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each 1	100	500	1000
4-17-681J	A	680	0.68	80	796	2300	3.7	170	.80	.53	.39	.35
4-17-821J	A	820	0.82	80	796	2100	4.1	160	.80	.53	.39	.35
4-17-102J	A	1000	1	100	252	1800	5.4	150	.80	.53	.39	.35
4-17-122J	A	1200	1.2	100	252	1600	5.8	140	.80	.53	.39	.35
4-17-152J	A	1500	1.5	100	252	1500	6.5	130	.80	.53	.39	.35
4-17-182J	A	1800	1.8	100	252	1400	7.5	120	.80	.53	.39	.35
4-17-222J	A	2200	2.2	100	252	1300	8.8	110	.80	.53	.39	.35
4-17-272J	A	2700	2.7	100	252	1200	9.8	100	.80	.53	.39	.35
4-17-332J	A	3300	3.3	100	252	1100	13	80	.80	.53	.39	.35
4-17-472J	A	4700	4.7	100	252	900	18.5	70	.80	.53	.39	.35
4-17-562J	A	5600	5.6	100	252	800	21	60	.80	.53	.39	.35
4-17-682J	A	6800	6.8	100	252	700	29	55	.80	.53	.39	.35
4-17-822J	A	8200	8.2	100	252	650	33	50	.80	.53	.39	.35

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Inductance @ 20 kHz µH	Inductance @ 20 kHz mH	Q Min.	Test Freq. (kHz)	Res. Freq. (kHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each 1	100	500	1000
434-03-103J	C	10000	10	50	79.6	350	23	110	1.05	.89	.51	.46
434-03-123J	C	12000	12	50	79.6	320	24	100	1.05	.89	.51	.46
434-03-153J	C	15000	15	50	79.6	290	28	90	1.05	.89	.51	.46
434-03-223J	C	22000	22	50	79.6	250	39	80	1.05	.89	.51	.46
434-03-273J	C	27000	27	50	79.6	210	48	70	1.05	.89	.51	.46
434-03-333J	C	33000	33	50	79.6	200	56	65	1.05	.89	.51	.46
434-03-393J	C	39000	39	50	79.6	190	62	60	1.05	.89	.51	.46
434-03-473J	C	47000	47	50	79.6	180	73	55	1.05	.89	.51	.46
434-03-563J	C	56000	56	50	79.6	140	115	50	1.05	.89	.51	.46
434-03-683J	C	68000	68	50	79.6	130	120	50	1.05	.89	.51	.46
434-03-104J	C	100000	100	50	25.2	110	155	40	1.05	.89	.51	.46
434-03-124J	C	120000	120	50	25.2	90	200	35	1.05	.89	.51	.46
434-03-154J	C	150000	150	50	25.2	80	205	35	1.05	.89	.51	.46

For quantities of 2000 and up, call for quote.

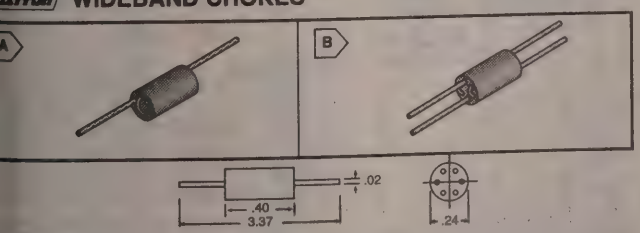
4-01-101J	B	100	0.1	40	796	5000	0.3	790	.95	.63	.45	.41
4-01-151J	B	150	0.15	40	796	4000	0.4	650	.95	.63	.45	.41
4-01-221J	B	220	0.22	30	796	3300	0.5	530	.95	.63	.45	.41
4-01-331J	B	330	0.33	35	796	2700	1	500	.95	.63	.45	.41
4-01-391J	B	390	0.39	35	796	2500	1.1	460	.95	.63	.45	.41
4-01-471J	B	470	0.47	35	796	2300	1.3	420	.95	.63	.45	.41
4-01-561J	B	560	0.56	35	796	2000	1.5	400	.95	.63	.45	.41
4-01-681J	B	680	0.68	35	796	1900	1.9	350	.95	.63	.45	.41
4-01-821J	B	820	0.82	35	796	1700	2.2	310	.95	.63	.45	.41
4-01-102J	B	1000	1	70	252	1600	2.6	280	.95	.63	.45	.41
4-01-122J	B	1200	1.2	70	252	1400	3	250	.95	.63	.45	.41
4-01-152J	B	1500	1.5	70	252	1200	5.1	220	.95	.63	.45	.41
4-01-222J	B	2200	2.2	70	252	1000	7	180	.95	.63	.45	.41
4-01-272J	B	2700	2.7	70	252	900	8	170	.95	.63	.45	.41
4-01-332J	B	3300	3.3	70	252	800	9	150	.95	.63	.45	.41
4-01-392J	B	3900	3.9	70	252	750	10	140	.95	.63	.45	.41
4-01-472J	B	4700	4.7	70	252	650	11.5	130	.95	.63	.45	.41
4-01-562J	B	5600	5.6	70	252	630	15	120	.95	.63	.45	.41
4-01-682J	B	6800	6.8	70	252	570	17	110	.95	.63	.45	.41
4-01-822J	B	8200	8.2	70	252	500	20	100	.95	.63	.45	.41
4-01-103J	B	10000	10	70	79	410	35	90	.95	.63	.45	.41
4-01-123J	B	12000	12	70	79	380	40	80	.95	.63	.45	.41
4-01-153J	B	15000	15	70	79	350	45	70	.95	.63	.45	.41
4-01-183J	B	18000	18	70	79	340	50	65	.95	.63	.45	.41
4-01-223J	B	22000	22	70	79	300	58	60	.95	.63	.45	.41
4-01-273J	B	27000	27	70	79	290	70	55	.95	.63	.45	.41
4-01-333J	B	33000	33	70	79	260	75	50	.95	.63	.45	.41

Magnetic Shielded

For quantities of 2000 and up, call for quote.

434-02-102J	D	1000	1	70	796	2040	3.4	90	1.20	.99	.58	.53
434-02-122J	D	1200	1.2	70	252	1800	3.7	75	1.20	.99	.58	.53
434-02-152J	D	1500	1.5	70	252	1350	4	70	1.20	.99	.58	.53
434-02-182J	D	1800	1.8	70	252	1150	4.5	65	1.20	.99	.58	.53
434-02-222J	D	2200	2.2	70	252	1400	5.2	60	1.20	.99	.58	.53
434-02-272J	D	2700	2.7	70	252	1000	5.8	55	1.20	.99	.58	.53
434-02-332J	D	3300	3.3	100	252	1100	6.1	50	1.20	.99	.58	.53
434-02-392J	D	3900	3.9	100	252	990	7.2	45	1.20	.99	.58	.53
434-02-472J	D	4700	4.7	100	252	870	7.5	40	1.20	.99	.58	.53
434-02-562J	D	5600	5.6	100	252	750	8.4	40	1.20	.99	.58	.53
434-02-682J	D	6800	6.8	100	252	758	9.7	35	1.20	.99	.58	.53
434-02-822J	D	8200	8.2	100	252	600	10.4	30	1.20	.99	.58	.53
434-02-103J	D	10000	10	100	79	700	12.1	25	1.20	.99	.58	.53
434-02-123J	D	12000	12	100	79	450	13	25	1.20	.99	.58	.53
434-02-153J	D	15000	15	100	79	400	15	25	1.20	.99	.58	.53
434-02-183J	D	18000	18	100	79	525	17	22	1.20	.99	.58	.53
434-02-223J	D	22000	22	100	79	460	19.5	21	1.20	.99	.58	.53
434-02-273J	D	27000	27	100	79	400	22	18	1.20	.99	.58	.53
434-02-333J	D	33000	33	100	79	350	26	17	1.20	.99	.58	.53
434-02-393J	D	39000	39	100	79	350	45	15	1.20	.99	.58	.53
434-02-473J	D	47000	47	100	79	300	52	13	1.20	.99	.58	.53
434-02-563J	D	56000	56	100	79	250	58	12	1.20	.99	.58	.53
434-02-683J	D	68000	68	100	79	220	66	12	1.20	.99	.58	.53
434-02-823J	D	82000	82	100	79	200	71	10	1.20	.99	.58	.53

WIDEBAND CHOKES



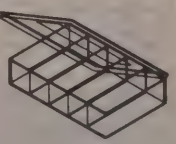
ecifications:
- hole ferrite core
- 1.5" 24AWG leads

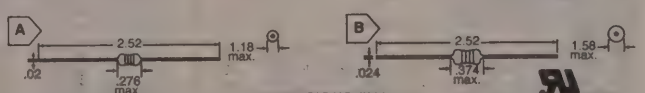
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Winding	Impedance Min. (Ω) 10MHz	50MHz	100MHz	200MHz	Price Each 1	100	500	1000
4-6H-351	A	1.5	170	320	375	- - -	.39	.35	.25	.23
4-6H-451	A	1.5	- - -	350	490	300	.39	.35	.25	.23
4-6H-751	A	2.5	320	680	580	- - -	.39	.35	.25	.23
4-6H-851	A	2.5	- - -	800	575	250	.39	.35	.25	.23
4-6H-901	B	2x1.5	170	320	375	- - -	.39	.35	.25	.23
4-6H-102	B	2x1.5	- - -	350	490	300	.39	.35	.25	.23

EPOXY CONFORMAL COATED CHOKE KITS

Specifications:
- Solderability: according to MIL-STD-202F method 208D
- Operating temperature: IEC climactic category: 55/125/56
  DIN climactic category: FKF: -55°C to 125°C, humidity category F
- Product assurance: according to MIL-STD-790
- EIA color coded





DIMENSIONS (IN.)

E169264

MOUSER STOCK NO.	Fig.	Range of Values	Pieces in Kit	List of Values (µH)	Price Each
370-MICC	A	.15µH to 1000µH	240	**10 each:** .15, .22, .33, .47, .68, 1.0, 1.5, 2.2, 3.3, 4.7, 6.8, 10, 15, 22, 33, 47, 68, 100, 150, 220, 330, 470, 680, 1000µH	89.95
370-SMCC	B	.33µH to 1000µH	240	**10 each:** .33, .47, .68, 1.0, 1.5, 2.2, 3.3, 4.7, 6.8, 10, 12, 15, 18, 22, 27, 33, 47, 100, 150, 220, 330, 470, 680, and 1000µH	89.95

KOA SPEER SMD Inductors

Value Code	Inductance
47	0.047µH
68	0.068µH
82	0.082µH
R12	0.12µH
R15	0.15µH
R18	0.18µH
R10	0.1µH
R22	0.22µH
R27	0.27µH
R33	0.33µH
R39	0.39µH
R47	0.47µH
R56	0.56µH
R68	0.68µH
R82	0.82µH
1N2	1.2nH
1R2	1.2µH
1N5	1.5nH
1R5	1.5µH

Value Code	Inductance
1R7	1.7µH
1N8	1.8nH
1R8	1.8µH
102	1000µH
R10	100nH
101	100µH
10N	10nH
100	10µH
110	11µH
121	120µH
12N	12nH
120	12µH
141	140µH
152	1500µH
R15	150nH
151	150µH
15N	15nH
150	15µH
170	17µH

Value Code	Inductance
182	1800µH
R18	180nH
181	180µH
18N	18nH
180	18µH
190	19µH
1N0	1nH
1R0	1µH
2N2	2.2nH
2R2	2.2µH
2N7	2.7nH
2R7	2.7µH
202	2000µH
201	200µH
222	2200µH
R22	220nH
221	220µH
22N	22nH
220	22µH

Value Code	Inductance
260	26µH
R27	270nH
271	270µH
27N	27nH
270	27µH
3N3	3.3nH
3R3	3.3µH
3N9	3.9nH
3R9	3.9µH
301	300µH
300	30µH
310	31µH
332	3300µH
R33	330nH
331	330µH
33N	33nH
330	33µH
391	390µH
39N	39nH

Value Code	Inductance
390	39µH
4N7	4.7nH
4R7	4.7µH
401	400µH
400	40µH
421	420µH
450	45µH
472	4700µH
471	470µH
47N	47nH
470	47µH
5N6	5.6nH
5R6	5.6µH
500	50µH
561	560µH
56N	56nH
560	56µH
050	5µH
6N8	6.8nH

Value Code	Inductance
6R8	6.8µH
601	600µH
600	60µH
650	65µH
682	6800µH
681	680µH
68N	68nH
680	68µH
700	70µH
751	750µH
750	75µH
070	7µH
8N2	8.2nH
8R2	8.2µH
800	80µH
821	820uH
82N	82nH
820	82µH
900	90µH

CZB, CZP, MCL, MHL SERIES

Features for CZP and CZB:

- Designed to reduce noise at high frequencies
- Nickel barrier with solder overcoat for excellent solderability
- Magnetically shielded

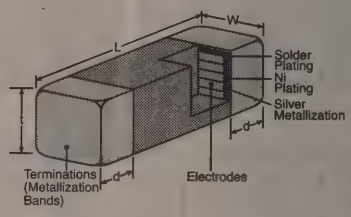
Features for MCL:

- Monolithic structure for closed magnetic path eliminates crosstalk and provides high reliability in a wide temperature and humidity range
- Nickel barrier with solder overcoat for excellent solderability
- Magnetically shielded

Features for MHL:

- Monolithic structure provides high reliability in a wide temperature and humidity range
- High quality ceramic material and unique manufacturing process provides high Q at high frequency
- Nickel barrier with solder overcoat for excellent solderability

MOUSER STOCK NO.	Inductance Value	Size	Price Each				Reel
			1	100	500	1000	4000
CZB Series							
660-CZB1JGLTE-Code-P	30uH- 100uH	0603	.09	.08	.07	.06	.04
660-CZB1JGLTE-Code-P	120uH - 1000uH	0603	.10	.09	.07	.06	.04
660-CZB1JGLTE-Code-P	1500uH - 2000uH	0603	.23	.20	.17	.15	.10
660-CZB2AFLTE-Code-P	5uH - 80uH	0805	.10	.08	.07	.06	.04
660-CZB2AGLTE-Code-P	90uH - 400uH	0805	.10	.08	.07	.06	.04
660-CZB2AGLTE-Code-P	420uH - 600uH	0805	.11	.10	.08	.07	.05
660-CZB2AGLTE-Code-P	750uH - 1000uH	0805	.12	.10	.09	.07	.05
660-CZB2AGLTE-Code-P	1500uH - 2200uH	0805	.26	.22	.19	.16	.11
CZP Series							
660-CZP1JFLTE-Code-P	5uH - 60uH	0603	.12	.11	.09	.08	.05
660-CZP1JFLTE-Code-P	80uH - 100uH	0603	.15	.13	.11	.10	.07
			1	100	500	1000	3000
660-CZP2BFLTE-Code-P	19uH - 80uH	1206	.11	.10	.08	.07	.06
660-CZP2BFLTE-Code-P	90uH - 600uH	1206	.12	.11	.09	.08	.06
MCL Series			1	100	500	1000	4000
660-MCL1JHLTE-Code-K	0.047uH - 0.33uH	0603	.25	.22	.19	.17	.12
660-MCL1JHLTE-Code-K	0.39uH - 0.82uH	0603	.26	.23	.20	.17	.13
660-MCL1JJLTE-Code-K	1uH - 120uH	0603	.32	.29	.25	.22	.16
			1	100	500	1000	3000
660-MCL2AHLTE-Code-K	0.047uH - 0.47uH	0805	.25	.22	.19	.17	.14
660-MCL2AHLTE-Code-K	0.56uH - 0.82uH	0805	.26	.23	.20	.17	.14
660-MCL2AJLTE-Code-K	1uH - 6.8uH	0805	.26	.23	.20	.17	.14
660-MCL2BHLTE-Code-K	0.047uH - 0.82uH	1206	.25	.22	.19	.17	.14
660-MCL2BJLTE-Code-K	1uH - 1.2uH	1206	.25	.22	.19	.17	.14
660-MCL2BJLTE-Code-K	1.5uH - 4.7uH	1206	.26	.23	.20	.17	.14
660-MCL2BJLTE-Code-K	5.6uH - 18uH	1206	.29	.26	.23	.20	.16
MHL Series			1	100	500	1000	10000
660-MHL1ECLTP-Code-J	1uH - 100uH	0402	.34	.30	.26	.23	.17
			1	100	500	1000	4000
660-MHL1JCLTD-Code-J	1uH - 220uH	0603	.43	.38	.33	.29	.21
660-MHL2ACLTE-Code-J	1.5uH - 27uH	0805	.43	.38	.33	.29	.21
660-MHL2ACLTE-Code-J	33uH - 330uH	0805	.47	.42	.37	.32	.24



Size	Dimensions IN and (mm)			
	L	W	t	d (Max.)
(0603)	.063±.006 (1.6±0.15)	.031±.006 (0.8±0.15)	.031±.006 (0.8±0.15)	.014±.00 (0.36±0.1
(1206)	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.043±.008 (1.1±0.2)	.02±.01 (0.51±0.2
(0402)	.039±.004 (1.0±0.1)	.02±.004 (0.5±0.1)	.02±.004 (0.5±0.1)	.01±.004 (0.25±0.1
(0805)	.079±.008 (2.0±0.2)	.049±.008 (1.25±0.2)	.035±.012<=39nH (0.9±0.3)	.02±.012 (0.50±0.3
			.039±.012>39nH (1.0±0.3)	
			.035±.012<39nH (0.9±0.3)	

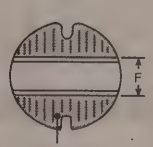
LPC, SDR SERIES

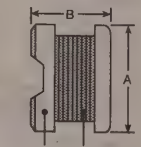
Features for LPC:

- Small size allows for high mounting density
- Suitable for reflow soldering
- Large DC current capacity with low DC resistance
- Polarity identification available
- Marking: Black body color with no marking

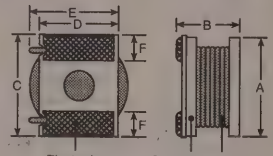
Features for SDR:

- Suitable for reflow soldering
- High current capability up to 2 Amps
- Low DCR
- Marking: Black body color with black marking

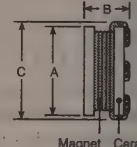


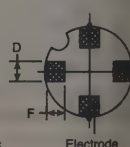


SDR Series



4045, 10065, 12005, LPC Series





9040 LPC Series

MOUSER STOCK NO.	Inductance Value	Size	Price Each				Reel
			1	100	500	1000	2000
LPC Series							
660-LPC4045L-Code-M	1uH - 680uH	4045	.78	.72	.65	.59	.52
660-LPC4045L-Code-K	10uH - 680uH	4045	.78	.72	.65	.59	.52
660-LPC9040L-Code-K	10uH - 680uH	9040	1.05	.96	.88	.79	.70
			1	100	300	600	1200
660-LPC10065L-Code-M	0.68uH - 3300uH	10065	1.95	1.79	1.63	1.46	1.30
660-LPC10065L-Code-K	10uH - 680uH	10065	1.95	1.79	1.63	1.46	1.30
660-LPC12065L-Code-N	0.68uH - 470uH	12065	2.03	1.69	1.52	1.35	1.18
660-LPC12065L-Code-M	3.3uH - 6.8uH	12065	2.03	1.69	1.52	1.35	1.18
660-LPC12065L-Code-K	10uH - 47uH	12065	2.03	1.69	1.52	1.35	1.18
SDR series			1	100	500	1000	4000
660-SDR0805L-Code-M	10uH - 27uH	0805	1.65	1.51	1.38	1.24	.99
660-SDR0805L-Code-K	33uH - 470uH	0805	1.71	1.57	1.43	1.28	1.03
660-SDR1006L-Code-M	10uH - 27uh	1006	1.73	1.58	1.44	1.29	1.04
660-SDR1006L-Code-K	33uH - 820uH	1006	1.80	1.65	1.50	1.35	1.08

SDR Series

Size Code	Dimensions IN and (mm)		
	A	B	F (Typ.)
0604	.220±.008 (5.6±0.2)	.177±.012 (4.5±0.3)	0.071 (1.8)
0805	.295±.012 (7.5±0.3)	.197±.012 (5.0±0.3)	0.102 (2.6)
1006	.374±.012 (9.5±0.3)	.217±.012 (5.5±0.3)	0.114 (2.9)

LPC Series

Size Code	Dimensions IN and (mm)					
	A	B	C	D	E	F
4045	ø.157±.008 (ø4.0±0.2)	.169±.009 (4.3±0.2)	.177±.008 (4.5±0.2)	.118±.008 (3.0±0.2)	.138 (3.5)	.039±.112 (1.0±0.3)
9040	ø.354± $^{+.002}_{-.004}$ (ø9.0 $^{+0.05}_{-0.1}$)	.193 Max. (4.9 Max.)	.402 Max. (10.2 Max.)	.079±.008 (2.0±0.2)	—	.071±.008 (1.8±0.2)
10065	ø.394±.008 (ø10.0±0.2)	.295 Max. (7.5 Max.)	.409±.008 (10.4±0.2)	.315±.008 (8.0±0.2)	0.354 (9.0)	.098±.008 (2.5±0.2)
12065	ø.472±.008 (ø12.0±0.2)	.295 Max. (7.5 Max.)	.488±.008 (12.4±0.2)	.472±.008 (10.0±0.2)	.433 (11.0)	.146±.112 (3.7±0.3)

MOUSER ELECTRONICS a tti company

(800) 346-6873

KOA SPEER High Q Inductors

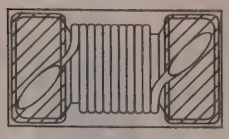
402 KQ HIGH Q INDUCTORS

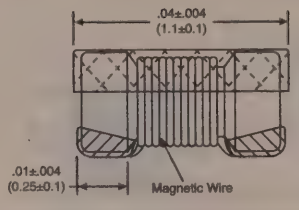
DIMENSIONS IN. (mm)

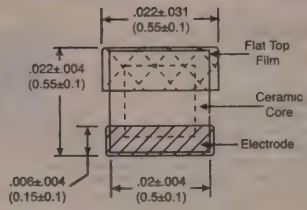
02 Case Size

atures:
Surface mount
Flat top suitable for high speed pick-and-place components
Excellent high frequency applications
High Q factors and self-resonant frequency values
Marking: White body color with no marking

LEAD-FREE







For quantities of 2000 and up, call for quote.

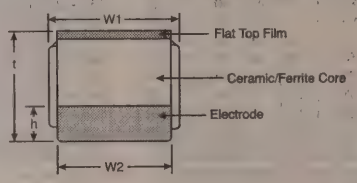
MOUSER STOCK NO.	Nominal Inductance Value	L Measuring Frequency	Tol.	Q Quality Factor Min.	SRF Min.	Price Each				
Mfr. Mfr. Part No.	(nH)	(MHz)	±		(MHz)	1	10	100	500	1000
0—KQT0402TTD1N0J	1	250	5%	16	6000	.70	.60	.50	.40	.35
0—KQT0402TTD2N0J	2	250	5%	16	6000	.70	.60	.50	.40	.35
0—KQT0402TTD2N2J	2.2	250	5%	19	6000	.70	.60	.50	.40	.35
0—KQT0402TTD3N3J	3.3	250	5%	19	6000	.70	.60	.50	.40	.35
0—KQT0402TTD3N6J	3.6	250	5%	19	6000	.70	.60	.50	.40	.35
0—KQT0402TTD3N9J	3.9	250	5%	19	5800	.70	.60	.50	.40	.35
0—KQT0402TTD5N1J	5.1	250	5%	20	5800	.70	.60	.50	.40	.35
0—KQT0402TTD5N6J	5.6	250	5%	20	5800	.70	.60	.50	.40	.35
0—KQT0402TTD6N2J	6.2	250	5%	20	5800	.70	.60	.50	.40	.35
0—KQT0402TTD7N5J	7.5	250	5%	22	5800	.70	.60	.50	.40	.35
0—KQT0402TTD8N2J	8.2	250	5%	22	4400	.70	.60	.50	.40	.35
0—KQT0402TTD9N0J	9	250	5%	22	4160	.70	.60	.50	.40	.35

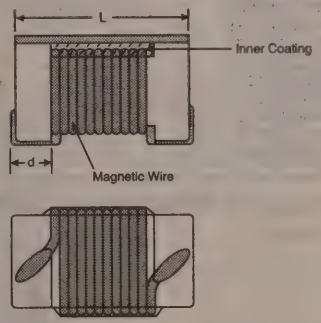
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Nominal Inductance Value	L Measuring Frequency	Tol.	Q Quality Factor Min.	SRF Min.	Price Each				
Mfr. Mfr. Part No.	(nH)	(MHz)	±		(MHz)	1	10	100	500	1000
660—KQT0402TTD10NJ	10	250	5%	21	3900	.70	.60	.50	.40	.35
660—KQT0402TTD11NJ	11	250	5%	24	3680	.70	.60	.50	.40	.35
660—KQT0402TTD12NJ	12	250	5%	24	3600	.70	.60	.50	.40	.35
660—KQT0402TTD15NJ	15	250	5%	24	3280	.70	.60	.50	.40	.35
660—KQT0402TTD19NJ	19	250	5%	24	3040	.70	.60	.50	.40	.35
660—KQT0402TTD23NJ	23	250	5%	24	2720	.70	.60	.50	.40	.35
660—KQT0402TTD27NJ	27	250	5%	24	2480	.70	.60	.50	.40	.35
660—KQT0402TTD36NJ	36	250	5%	24	2320	.70	.60	.50	.40	.35
660—KQT0402TTD40NJ	40	250	5%	24	2240	.70	.60	.50	.40	.35
660—KQT0402TTD47NJ	47	250	5%	20	2100	.70	.60	.50	.40	.35
660—KQT0402TTD56NJ	56	250	5%	25	2800	.70	.60	.50	.40	.35

603 AND 0805 KQ HIGH Q INDUCTORS

atures:
Surface mount
Flat top suitable for high speed pick-and-place components
Excellent high frequency applications
High Q factors and self-resonant frequency values
Marking: Black body color with white marking





603 Case Size

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Nominal Inductance Value	L Measuring Frequency	Tol.	Q Quality Factor Minimum	SRF Min.	Price Each				
Mfr. Mfr. Part No.	(nH)	(MHz)	±		(MHz)	1	10	100	500	1000
0—KQ0603LTE1N6J	1.6	250	5%	24	12,500	.53	.45	.38	.30	.26
0—KQ0603LTE1N8J	1.8	250	5%	16	12,500	.53	.45	.38	.30	.26
0—KQ0603LTE3N6J	3.6	250	5%	22	6900	.53	.45	.38	.30	.26
0—KQ0603LTE3N9J	3.9	250	5%	22	6900	.53	.45	.38	.30	.26
0—KQ0603LTE4N3J	4.3	250	5%	22	5900	.53	.45	.38	.30	.26
0—KQ0603LTE4N7G	4.7	250	2%	20	5800	.53	.45	.38	.30	.26
0—KQ0603LTE6N8G	6.8	250	2%	27	5800	.53	.45	.38	.30	.26
0—KQ0603LTE7N5G	7.5	250	2%	28	4800	.53	.45	.38	.30	.26
0—KQ0603LTE8N7G	8.7	250	2%	28	4600	.53	.45	.38	.30	.26
0—KQ0603LTE10NG	10	250	2%	31	4800	.53	.45	.38	.30	.26
0—KQ0603LTE11NG	11	250	2%	33	4000	.53	.45	.38	.30	.26
0—KQ0603LTE12NG	12	250	2%	35	4000	.53	.45	.38	.30	.26
0—KQ0603LTE15NG	15	250	2%	35	4000	.53	.45	.38	.30	.26
0—KQ0603LTE16NG	16	250	2%	34	3300	.53	.45	.38	.30	.26
0—KQ0603LTE18NG	18	250	2%	35	3100	.53	.45	.38	.30	.26
0—KQ0603LTE22NG	22	250	2%	38	3000	.53	.45	.38	.30	.26
0—KQ0603LTE24NG	24	250	2%	37	2650	.53	.45	.38	.30	.26
0—KQ0603LTE27NG	27	250	2%	40	2800	.53	.45	.38	.30	.26
0—KQ0603LTE30NG	30	250	2%	37	2250	.53	.45	.38	.30	.26
0—KQ0603LTE33NG	33	250	2%	40	2300	.53	.45	.38	.30	.26
0—KQ0603LTE36NG	36	250	2%	38	2080	.53	.45	.38	.30	.26
0—KQ0603LTE39NG	39	250	2%	40	2200	.53	.45	.38	.30	.26
0—KQ0603LTE43NG	43	250	2%	39	2000	.53	.45	.38	.30	.26
0—KQ0603LTE47NG	47	200	2%	38	2000	.53	.45	.38	.30	.26
0—KQ0603LTE56NG	56	200	2%	38	1900	.53	.45	.38	.30	.26
0—KQ0603LTE68NG	68	200	2%	37	1700	.53	.45	.38	.30	.26
0—KQ0603LTE72NG	72	150	2%	34	1700	.53	.45	.38	.30	.26
0—KQ0603LTE82NG	82	150	2%	34	1700	.53	.45	.38	.30	.26
0—KQ0603LTER10G	100	150	2%	34	1400	.53	.45	.38	.30	.26
0—KQ0603LTER11G	110	150	2%	32	1350	.53	.45	.38	.30	.26
0—KQ0603LTER12G	120	150	2%	32	1300	.53	.45	.38	.30	.26
0—KQ0603LTER15G	150	150	2%	32	1400	.53	.45	.38	.30	.26
0—KQ0603LTER18G	180	100	2%	25	1300	.53	.45	.38	.30	.26
0—KQ0603LTER22G	220	100	2%	25	1200	.53	.45	.38	.30	.26
0—KQ0603LTER27G	270	100	2%	24	900	.53	.45	.38	.30	.26
0—KQ0603LTER33G	330	100	2%	30	800	.53	.45	.38	.30	.26
0—KQ0603LTER39G	390	100	2%	30	700	.53	.45	.38	.30	.26

Size Code	DIMENSIONS IN. (mm)					
	L	W1	W2	t	h	d
0603	.063±.004 (1.6±0.1)	.039±.004 (1.0±0.1)	.033±.004 (0.85±0.1)	.035±.004 (0.9±0.1)	.01±.006 (0.25±0.15)	.014±.004 (0.35±0.1)
0805	.079±.008 (2.0±0.2)	.059±.008 (1.5±0.2)	.053±.004 (1.35±0.1)	.051±.008 (1.3±0.2)	.016±.006 (0.40±0.15)	.018±.004 (1.45±0.1)

0805 Case Size

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Nominal Inductance Value	L Measuring Frequency	Tol.	Q Quality Factor Minimum	SRF Min.	Price Each				
Mfr. Mfr. Part No.	(nH)	(MHz)	±		(MHz)	1	10	100	500	1000
660—KQ0805LTE3N3J	3.3	250	5%	50	6000	.53	.45	.38	.30	.26
660—KQ0805LTE6N8J	6.8	250	5%	50	5500	.53	.45	.38	.30	.26
660—KQ0805LTE8N2J	8.2	250	5%	50	4700	.53	.45	.38	.30	.26
660—KQ0805LTE12NJ	12	250	5%	50	4000	.53	.45	.38	.30	.26
660—KQ0805LTE15NJ	15	250	5%	50	3400	.53	.45	.38	.30	.26
660—KQ0805LTE18NJ	18	250	5%	50	3300	.53	.45	.38	.30	.26
660—KQ0805LTE22NJ	22	250	5%	55	2600	.53	.45	.38	.30	.26
660—KQ0805LTE27NJ	27	250	5%	55	2500	.53	.45	.38	.30	.26
660—KQ0805LTE33NJ	33	250	5%	60	2050	.53	.45	.38	.30	.26
660—KQ0805LTE39NJ	39	250	5%	60	2000	.53	.45	.38	.30	.26
660—KQ0805LTE47NJ	47	200	5%	60	1650	.53	.45	.38	.30	.26
660—KQ0805LTE56NG	56	200	2%	60	1550	.53	.45	.38	.30	.26
660—KQ0805LTE68NG	68	200	2%	60	1450	.53	.45	.38	.30	.26
660—KQ0805LTE82NG	82	150	2%	65	1300	.53	.45	.38	.30	.26
660—KQ0805LTER10G	100	150	2%	65	1200	.53	.45	.38	.30	.26
660—KQ0805LTER12G	120	150	2%	50	1100	.53	.45	.38	.30	.26
660—KQ0805LTER15G	150	100	2%	50	920	.53	.45	.38	.30	.26
660—KQ0805LTER18G	180	100	2%	50	870	.53	.45	.38	.30	.26
660—KQ0805LTER22G	220	100	2%	50	850	.53	.45	.38	.30	.26
660—KQ0805LTER27G	270	100	2%	48	650	.53	.45	.38	.30	.26
660—KQ0805LTER33G	330	100	2%	48	600	.53	.45	.38	.30	.26
660—KQ0805LTER39G	390	100	2%	48	560	.53	.45	.38	.30	.26
660—KQ0805LTER47G	470	50	2%	33	375	.53	.45	.38	.30	.26
660—KQ0805LTER56G	560	25	2%	23	340	.53	.45	.38	.30	.26
660—KQ0805LTER68G	680	25	2%	23	188	.53	.45	.38	.30	.26
660—KQ0805LTER82G	820	25	2%	23	215	.53	.45	.38	.30	.26

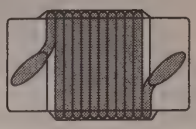
KOA SPEER High Q & Molded Wirewound Inductors

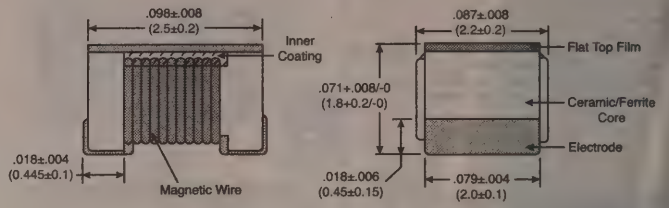
1008 KQ HIGH Q INDUCTORS

DIMENSIONS IN. (mm)

1008 Case Size

Features:
- Surface mount
- Flat top suitable for high speed pick-and-place components
- Excellent high frequency applications
- High Q factors and self-resonant frequency values
- Marking: Black body color with white marking





For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Nominal Inductance Value (nH)	L Measuring Frequency (MHz)	Tol. ±	Q Quality Factor Minimum	SRF Min. (MHz)	Price Each				
Mfr.	Mfr. Part No.						1	10	100	500	1000
660—	KQ1008LTE10NJ	10	50	5%	50	4100	.55	.47	.40	.32	.28
660—	KQ1008LTE12NJ	12	50	5%	50	3300	.55	.47	.40	.32	.28
660—	KQ1008LTE15NJ	15	50	5%	50	3000	.55	.47	.40	.32	.28
660—	KQ1008LTE18NJ	18	50	5%	50	2500	.55	.47	.40	.32	.28
660—	KQ1008LTE22NJ	22	50	5%	55	2400	.55	.47	.40	.32	.28
660—	KQ1008LTE27NJ	27	50	5%	55	1600	.55	.47	.40	.32	.28
660—	KQ1008LTE33NJ	33	50	5%	60	1600	.55	.47	.40	.32	.28
660—	KQ1008LTE39NJ	39	50	5%	60	1500	.55	.47	.40	.32	.28
660—	KQ1008LTE47NJ	47	50	5%	65	1500	.55	.47	.40	.32	.28
660—	KQ1008LTE56NG	56	50	2%	65	1300	.55	.47	.40	.32	.28
660—	KQ1008LTE68NG	68	50	2%	65	1300	.55	.47	.40	.32	.28
660—	KQ1008LTE82NG	82	50	2%	60	1000	.55	.47	.40	.32	.28
660—	KQ1008LTER10G	100	25	2%	60	1000	.55	.47	.40	.32	.28
660—	KQ1008LTER12G	120	25	2%	60	950	.55	.47	.40	.32	.28
660—	KQ1008LTER15G	150	25	2%	45	850	.55	.47	.40	.32	.28
660—	KQ1008LTER18G	180	25	2%	45	750	.55	.47	.40	.32	.28
660—	KQ1008LTER22G	220	25	2%	45	700	.55	.47	.40	.32	.28
660—	KQ1008LTER27G	270	25	2%	45	600	.55	.47	.40	.32	.28
660—	KQ1008LTER33G	330	25	2%	45	570	.55	.47	.40	.32	.28
660—	KQ1008LTER39G	390	25	2%	45	500	.55	.47	.40	.32	.28

For quantities of 2000 and up, call for quo

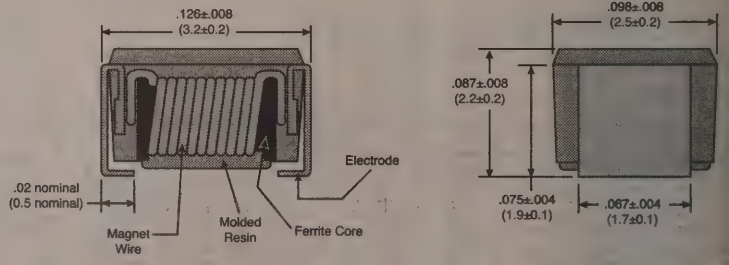
MOUSER STOCK NO.		Nominal Inductance Value (nH)	L Measuring Frequency (MHz)	Tol. ±	Q Quality Factor Minimum	SRF Min. (MHz)	Price Each				
Mfr.	Mfr. Part No.						1	10	100	500	10
660—	KQ1008LTER47G	470	25	2%	45	450	.55	.47	.40	.32	.2
660—	KQ1008LTER56G	560	25	2%	45	415	.55	.47	.40	.32	.2
660—	KQ1008LTER62G	620	25	2%	45	375	.55	.47	.40	.32	.2
660—	KQ1008LTER68G	680	25	2%	45	375	.55	.47	.40	.32	.2
660—	KQ1008LTER75G	750	25	2%	45	360	.55	.47	.40	.32	.2
660—	KQ1008LTER82G	820	25	2%	45	350	.55	.47	.40	.32	.2
660—	KQ1008LTER91G	910	25	2%	35	320	.55	.47	.40	.32	.2
660—	KQ1008LTE1R0G	1000	25	2%	35	290	.55	.47	.40	.32	.2
660—	KQ1008LTE1R2G	1200	7.9	2%	35	250	.55	.47	.40	.32	.2
660—	KQ1008LTE1R5G	1500	7.9	2%	28	200	.55	.47	.40	.32	.2
660—	KQ1008LTE1R8G	1800	7.9	2%	28	160	.55	.47	.40	.32	.2
660—	KQ1008LTE2R2G	2200	7.9	2%	28	160	.55	.47	.40	.32	.2
660—	KQ1008LTE2R7G	2700	7.9	2%	22	140	.55	.47	.40	.32	.2
660—	KQ1008LTE3R3G	3300	7.9	2%	22	110	.55	.47	.40	.32	.2
660—	KQ1008LTE3R9G	3900	7.9	2%	20	100	.55	.47	.40	.32	.2
660—	KQ1008LTE4R7G	4700	7.9	2%	20	90	.55	.47	.40	.32	.2
660—	KQ1008LTE5R6G	5600	7.9	2%	15	80	.55	.47	.40	.32	.2
660—	KQ1008LTE6R8G	6800	7.9	2%	15	70	.55	.47	.40	.32	.2
660—	KQ1008LTE8R2G	8200	7.9	2%	15	65	.55	.47	.40	.32	.2
660—	KQ1008LTE100G	10000	7.9	2%	15	60	.55	.47	.40	.32	.2

KL32 MOLDED WIREWOUND INDUCTORS

DIMENSIONS IN. (mm)

1210 Case Size

Features:
- UL94V-0 molded epoxy case
- Suitable for reflow and wave soldering
- 1210 size - surface mount style
- High Q value achieved by wirewound structure
- Marking: Black body color with white marking



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Nominal Inductance Value (nH)	L Measuring Frequency (MHz)	Tol. ±	Q Quality Factor Minimum	SRF Min. (MHz)	Price Each				
Mfr.	Mfr. Part No.						1	10	100	500	1000
660—	KL32LTE005M	0.005	100	20	11	2700	.46	.39	.33	.26	.23
660—	KL32LTE010K	0.01	100	10	15	2500	.46	.39	.33	.26	.23
660—	KL32LTE012K	0.012	100	10	17	2300	.46	.39	.33	.26	.23
660—	KL32LTE015K	0.015	100	10	19	2100	.46	.39	.33	.26	.23
660—	KL32LTE018K	0.018	100	10	21	1900	.46	.39	.33	.26	.23
660—	KL32LTE022K	0.022	100	10	23	1700	.46	.39	.33	.26	.23
660—	KL32LTE027K	0.027	100	10	23	1500	.46	.39	.33	.26	.23
660—	KL32LTE033J	0.033	100	5	25	1400	.46	.39	.33	.26	.23
660—	KL32LTE039J	0.039	100	5	25	1300	.46	.39	.33	.26	.23
660—	KL32LTE047J	0.047	100	5	26	1200	.46	.39	.33	.26	.23
660—	KL32LTE056J	0.056	100	5	26	1100	.46	.39	.33	.26	.23
660—	KL32LTE068J	0.068	100	5	27	1000	.46	.39	.33	.26	.23
660—	KL32LTE082J	0.082	100	5	27	900	.46	.39	.33	.26	.23
660—	KL32LTER10J	0.1	100	5	28	700	.46	.39	.33	.26	.23
660—	KL32LTER12J	0.12	25.2	5	30	500	.46	.39	.33	.26	.23
660—	KL32LTER15J	0.15	25.2	5	30	450	.46	.39	.33	.26	.23
660—	KL32LTER18J	0.18	25.2	5	30	400	.46	.39	.33	.26	.23
660—	KL32LTER22J	0.22	25.2	5	30	350	.46	.39	.33	.26	.23
660—	KL32LTER27J	0.27	25.2	5	30	320	.46	.39	.33	.26	.23
660—	KL32LTER33J	0.33	25.2	5	30	300	.46	.39	.33	.26	.23
660—	KL32LTER39J	0.39	25.2	5	30	250	.46	.39	.33	.26	.23
660—	KL32LTER47J	0.47	25.2	5	30	220	.46	.39	.33	.26	.23
660—	KL32LTER56J	0.56	25.2	5	30	180	.46	.39	.33	.26	.23
660—	KL32LTER68J	0.68	25.2	5	30	160	.46	.39	.33	.26	.23
660—	KL32LTER82J	0.82	25.2	5	30	140	.46	.39	.33	.26	.23
660—	KL32LTE1R0J	1	7.96	5	30	120	.46	.39	.33	.26	.23
660—	KL32LTE1R2J	1.2	7.96	5	30	100	.46	.39	.33	.26	.23
660—	KL32LTE1R5J	1.5	7.96	5	30	85	.46	.39	.33	.26	.23

For quantities of 2000 and up, call for quo

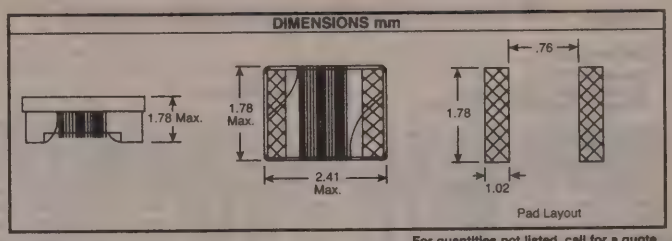
MOUSER STOCK NO.		Nominal Inductance Value (nH)	L Measuring Frequency (MHz)	Tol. ±	Q Quality Factor Minimum	SRF Min. (MHz)	Price Each				
Mfr.	Mfr. Part No.						1	10	100	500	10
660—	KL32LTE1R8J	1.8	7.96	5	30	80	.46	.39	.33	.26	.2
660—	KL32LTE2R2J	2.2	7.96	5	30	75	.46	.39	.33	.26	.2
660—	KL32LTE2R7J	2.7	7.96	5	30	70	.46	.39	.33	.26	.2
660—	KL32LTE3R3J	3.3	7.96	5	30	60	.46	.39	.33	.26	.2
660—	KL32LTE3R9J	3.9	7.96	5	30	55	.46	.39	.33	.26	.2
660—	KL32LTE4R7J	4.7	7.96	5	30	50	.46	.39	.33	.26	.2
660—	KL32LTE5R6J	5.6	7.96	5	30	47	.46	.39	.33	.26	.2
660—	KL32LTE6R8J	6.8	7.96	5	30	43	.46	.39	.33	.26	.2
660—	KL32LTE8R2J	8.2	7.96	5	30	40	.46	.39	.33	.26	.2
660—	KL32LTE100J	10	2.52	5	30	36	.46	.39	.33	.26	.2
660—	KL32LTE120J	12	2.52	5	30	33	.46	.39	.33	.26	.2
660—	KL32LTE150J	15	2.52	5	30	30	.46	.39	.33	.26	.2
660—	KL32LTE180J	18	2.52	5	30	27	.46	.39	.33	.26	.2
660—	KL32LTE220J	22	2.52	5	30	25	.46	.39	.33	.26	.2
660—	KL32LTE270J	27	2.52	5	30	20	.46	.39	.33	.26	.2
660—	KL32LTE330J	33	2.52	5	30	17	.46	.39	.33	.26	.2
660—	KL32LTE390J	39	2.52	5	30	16	.46	.39	.33	.26	.2
660—	KL32LTE470J	47	2.52	5	30	15	.46	.39	.33	.26	.2
660—	KL32LTE560J	56	2.52	5	30	13	.46	.39	.33	.26	.2
660—	KL32LTE680J	68	2.52	5	30	12	.46	.39	.33	.26	.2
660—	KL32LTE820J	82	2.52	5	30	11	.46	.39	.33	.26	.2
660—	KL32LTE101J	100	0.796	5	20	10	.46	.39	.33	.26	.2
660—	KL32LTE121J	120	0.796	5	20	10	.46	.39	.33	.26	.2
660—	KL32LTE151J	150	0.796	5	20	8	.46	.39	.33	.26	.2
660—	KL32LTE181J	180	0.796	5	20	7	.46	.39	.33	.26	.2
660—	KL32LTE221J	220	0.796	5	20	7	.46	.39	.33	.26	.2
660—	KL32LTE271J	270	0.796	5	20	6	.46	.39	.33	.26	.2
660—	KL32LTE331J	330	0.796	5	20	5	.46	.39	.33	.26	.2

PM0805 SERIES CHIP INDUCTORS

Specifications:

Operating Temperature: -55°C to +125°C
Ceramic core, wire wound for superior reliability
Current to cause 15°C maximum temperature rise

Price Each				
1	100	500	1000	3000
.32	.25	.20	.17	.16



For quantities not listed, call for a quote.

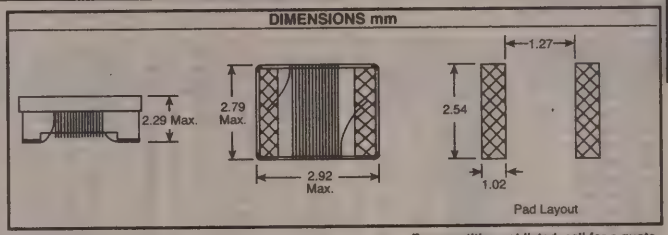
MOUSER STOCK NO.	J.W. Miller Part No.	Inductance (nH)	Q Min.	Test Frequency (MHz)	Idc Max (mA)
Tolerance: ±20%					
542-PM0805-2N2M	PM0805-2N2M	2.2	15	250	600
542-PM0805-3N3M	PM0805-3N3M	3.3	50	250	600
542-PM0805-6N8M	PM0805-6N8M	6.8	50	250	600
542-PM0805-8N2M	PM0805-8N2M	8.2	50	250	600
542-PM0805-12NM	PM0805-12NM	12	50	250	600
542-PM0805-18NM	PM0805-18NM	18	50	250	600
542-PM0805-27NM	PM0805-27NM	27	55	250	500
Tolerance: ±20% (cont.)					
542-PM0805-33NM	PM0805-33NM	33	60	250	500
542-PM0805-39NM	PM0805-39NM	39	60	250	500
542-PM0805-47NM	PM0805-47NM	47	60	200	500
Tolerance: ±10%					
542-PM0805-56NK	PM0805-56NK	56	60	200	500
542-PM0805-68NK	PM0805-68NK	68	60	200	500
542-PM0805-82NK	PM0805-82NK	82	65	150	400

PM1008 SERIES CHIP INDUCTORS

Specifications:

Operating Temperature: -55°C to +125°C
Ceramic core, wire wound for superior reliability
Current to cause 15°C maximum temperature rise

Price Each				
1	100	1000	2000	5000
.39	.30	.21	.16	.15



For quantities not listed, call for a quote.

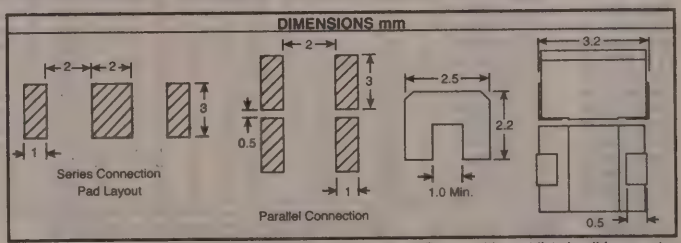
MOUSER STOCK NO.	J.W. Miller Part No.	Inductance (nH)	Q Min.	Test Frequency (MHz)	Idc Max (mA)
Tolerance: ±20%					
542-PM1008-10NM	PM1008-10NM	10	50	50	1000
542-PM1008-12NM	PM1008-12NM	12	50	50	1000
542-PM1008-15NM	PM1008-15NM	15	50	50	1000
542-PM1008-18NM	PM1008-18NM	18	50	50	1000
542-PM1008-22NM	PM1008-22NM	22	55	50	1000
542-PM1008-27NM	PM1008-27NM	27	55	50	1000
542-PM1008-33NM	PM1008-33NM	33	60	50	1000
542-PM1008-39NM	PM1008-39NM	39	60	50	1000
542-PM1008-47NM	PM1008-47NM	47	65	50	1000
Tolerance: ±10%					
542-PM1008-56NK	PM1008-56NK	56	65	50	1000
542-PM1008-68NK	PM1008-68NK	68	65	50	1000
542-PM1008-82NK	PM1008-82NK	82	60	50	1000
542-PM1008-R10K	PM1008-R10K	0.10uH	60	25	650
542-PM1008-R12K	PM1008-R12K	0.12uH	60	25	650
542-PM1008-R15K	PM1008-R15K	0.15uH	45	25	580
542-PM1008-R18K	PM1008-R18K	0.18uH	45	25	620
Tolerance: ±10% (cont.)					
542-PM1008-R22K	PM1008-R22K	0.22	45	25	500
542-PM1008-R27K	PM1008-R27K	0.27	45	25	500
542-PM1008-R33K	PM1008-R33K	0.33	45	25	450
542-PM1008-R39K	PM1008-R39K	0.39	45	25	470
542-PM1008-R47K	PM1008-R47K	0.47	45	25	470
542-PM1008-R56K	PM1008-R56K	0.56	45	25	400
542-PM1008-R68K	PM1008-R68K	0.68	45	25	400
542-PM1008-R82K	PM1008-R82K	0.82	45	25	400
542-PM1008-1R0K	PM1008-1R0K	1.0	35	25	370
542-PM1008-1R2K	PM1008-1R2K	1.2	35	7.9	340
542-PM1008-1R5K	PM1008-1R5K	1.5	28	7.9	330
542-PM1008-1R8K	PM1008-1R8K	1.8	28	7.9	300
542-PM1008-2R2K	PM1008-2R2K	2.2	28	7.9	290
542-PM1008-2R7K	PM1008-2R7K	2.7	22	7.9	290
542-PM1008-3R3K	PM1008-3R3K	3.3	22	7.9	290
542-PM1008-3R9K	PM1008-3R9K	3.9	20	7.9	260
542-PM1008-4R7K	PM1008-4R7K	4.7	20	7.9	260

PM1210 SERIES CHIP INDUCTORS

Specifications:

Operating Temperature: -55°C to +105°C
High resistance to solder heat and moisture
Current to cause 20°C maximum temperature rise

Price Each				
1	10	100	2000	6000
.45	.40	.33	.19	.17



For quantities not listed, call for a quote.

MOUSER STOCK NO.	J.W. Miller Part No.	Inductance (µH)	Q Min.	Test Frequency (MHz)	Idc Max (mA)
Tolerance: ±5%					
542-PM1210-1R0J	PM1210-1R0J	1.0	28	7.96	400
542-PM1210-1R2J	PM1210-1R2J	1.2	28	7.96	390
542-PM1210-1R5J	PM1210-1R5J	1.5	28	7.96	370
542-PM1210-1R8J	PM1210-1R8J	1.8	28	7.96	350
542-PM1210-2R2J	PM1210-2R2J	2.2	30	7.96	320
542-PM1210-2R7J	PM1210-2R7J	2.7	30	7.96	290
542-PM1210-3R3J	PM1210-3R3J	3.3	30	7.96	260
542-PM1210-3R9J	PM1210-3R9J	3.9	30	7.96	250
542-PM1210-4R7J	PM1210-4R7J	4.7	30	7.96	220
542-PM1210-5R6J	PM1210-5R6J	5.6	30	7.96	200
542-PM1210-6R8J	PM1210-6R8J	6.8	30	7.96	180
542-PM1210-8R2J	PM1210-8R2J	8.2	30	7.96	170
542-PM1210-100J	PM1210-100J	10	30	2.52	150
542-PM1210-120J	PM1210-120J	12	30	2.52	140
Tolerance: ±5% (cont.)					
542-PM1210-150J	PM1210-150J	15	30	2.52	130
542-PM1210-180J	PM1210-180J	18	30	2.52	120
542-PM1210-220J	PM1210-220J	22	30	2.52	110
542-PM1210-270J	PM1210-270J	27	30	2.52	80
542-PM1210-330J	PM1210-330J	33	30	2.52	70
542-PM1210-390J	PM1210-390J	39	30	2.52	65
542-PM1210-470J	PM1210-470J	47	30	2.52	60
542-PM1210-560J	PM1210-560J	56	30	2.52	55
542-PM1210-680J	PM1210-680J	68	30	2.52	50
542-PM1210-820J	PM1210-820J	82	30	2.52	45
542-PM1210-101J	PM1210-101J	100	20	0.796	40
542-PM1210-121J	PM1210-121J	120	20	0.796	70
542-PM1210-151J	PM1210-151J	150	20	0.796	65
542-PM1210-181J	PM1210-181J	180	20	0.796	60
542-PM1210-221J	PM1210-221J	220	20	0.796	50

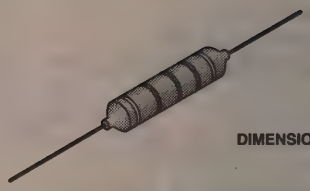
77F SERIES CONFORMAL COATED CHOKES

Specifications:

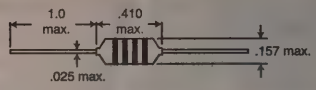
- Epoxy coated
- Working voltage: 250VDC (max.)
- Operating temperature: -20°C to +105°C
- Core material: ferrite
- Leads: tinned copper wire

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	L (µH)	Inductive Tolerance	Q Min	Test Freq MHz	Fo Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each 1	10	25	50	100
542-77F6R8	77F6R8	6.8	10%	75	7.9	68	0.48	550	.54	.43	.32	.27	.21
542-77F100	77F100	10	10%	85	7.9	45	0.58	500	.54	.43	.32	.27	.21
542-77F270	77F270	27	10%	55	2.5	7.6	0.94	390	.54	.43	.32	.27	.21
542-77F330	77F330	33	5%	55	2.5	6.3	1.03	370	.54	.43	.32	.27	.21
542-77F470	77F470	47	5%	45	2.5	6.3	1.22	340	.54	.43	.32	.27	.21
542-77F820	77F820	82	5%	35	2.5	5.3	1.62	290	.54	.43	.32	.27	.21
542-77F101	77F101	100	5%	30	2.5	4.8	1.8	275	.54	.43	.32	.27	.21
542-77F221	77F221	220	5%	70	0.79	3	5.1	155	.54	.43	.32	.27	.21
542-77F331	77F331	330	5%	65	0.79	2.6	6.4	137	.54	.43	.32	.27	.21
542-77F391	77F391	390	5%	65	0.79	2.4	7	133	.54	.43	.32	.27	.21
542-77F102	77F102	1000	5%	50	0.79	1.4	14	100	.54	.43	.32	.27	.21



DIMENSIONS (IN)



78F SERIES CONFORMAL COATED CHOKES

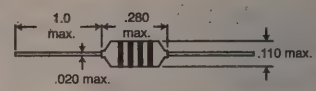
Specifications:

- Epoxy coated
- Working voltage: 250VDC (max.)
- Operating temperature: -20°C to +105°C
- Core material: ferrite
- Leads: tinned copper wire

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	L (µH)	Inductive Tolerance	Q Min	Test Freq MHz	Fo Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each 1	10	25	50	100
542-78FR68	78FR68	0.68	10%	40	25	250	0.12	495	.54	.43	.32	.27	.21
542-78F1R0	78F1R0	1	10%	40	25	180	0.15	385	.54	.43	.32	.27	.21
542-78F1R8	78F1R8	1.8	10%	50	7.9	125	0.25	455	.54	.43	.32	.27	.21
542-78F2R7	78F2R7	2.7	10%	50	7.9	95	0.3	355	.54	.43	.32	.27	.21
542-78F3R3	78F3R3	3.3	5%	50	7.9	70	0.34	270	.54	.43	.32	.27	.21
542-78F4R7	78F4R7	4.7	5%	45	7.9	50	0.35	230	.54	.43	.32	.27	.21
542-78F8R2	78F8R2	8.2	5%	40	7.9	28	0.55	155	.54	.43	.32	.27	.21
542-78F100	78F100	10	5%	40	7.9	22	0.72	130	.54	.43	.32	.27	.21
542-78F120	78F120	12	5%	45	2.5	20	0.8	155	.54	.43	.32	.27	.21
542-78F220	78F220	22	5%	50	2.5	13	1.2	140	.54	.43	.32	.27	.21
542-78F270	78F270	27	5%	50	2.5	11	1.35	135	.54	.43	.32	.27	.21
542-78F330	78F330	33	5%	50	2.5	10	1.5	193	.54	.43	.32	.27	.21
542-78F390	78F390	39	5%	50	2.5	9.5	1.7	185	.54	.43	.32	.27	.21
542-78F470	78F470	47	5%	60	2.5	8.5	2.3	167	.54	.43	.32	.27	.21
542-78F101	78F101	100	5%	60	2.5	5.5	3.5	125	.54	.43	.32	.27	.21
542-78F121	78F121	120	5%	60	0.79	5.4	3.8	100	.54	.43	.32	.27	.21
542-78F221	78F221	220	5%	60	0.79	4	5.7	76	.54	.43	.32	.27	.21
542-78F471	78F471	470	5%	60	0.79	2.5	11.6	53	.54	.43	.32	.27	.21

DIMENSIONS (IN)



9230 SERIES MOLDED RF CHOKES

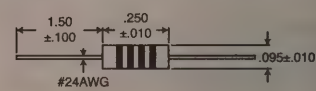
Specifications:

- Meets MIL Spec: MIL-C-15305, MS75083, MS75084, MS75085
- Inductive tolerance: ±10%

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	L (µH)	Q Min	Test Freq MHz	Fo Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each 1	10	25	50	100
542-9230-94	9230-94	0.1	40	25	690	0.07	1100	1.52	1.14	.85	.76	.67
542-9230-00	9230-00	0.15	38	25	600	0.1	1100	1.04	.83	.62	.52	.42
542-9230-04	9230-04	0.22	33	25	510	0.14	935	1.04	.83	.62	.52	.42
542-9230-10	9230-10	0.39	30	25	380	0.3	640	1.04	.83	.62	.52	.42
542-9230-12	9230-12	0.47	30	25	340	0.35	590	1.04	.83	.62	.52	.42
542-9230-14	9230-14	0.56	30	25	300	0.5	495	1.04	.83	.62	.52	.42
542-9230-16	9230-16	0.68	28	25	275	0.6	450	1.04	.83	.62	.52	.42
542-9230-20	9230-20	1	25	25	230	1	350	1.04	.83	.62	.52	.42
542-9230-32	9230-32	3.3	45	7.9	90	0.85	380	1.42	1.13	.84	.71	.57
542-9230-34	9230-34	3.9	45	7.9	82	1	350	1.42	1.13	.84	.71	.57
542-9230-36	9230-36	4.7	45	7.9	75	1.2	320	1.42	1.13	.84	.71	.57
542-9230-44	9230-44	10	55	7.9	50	3.7	180	1.52	1.14	.85	.76	.67
542-9230-52	9230-52	22	50	2.5	25	3.3	190	1.52	1.14	.85	.76	.67
542-9230-56	9230-56	33	45	2.5	24	3.4	187	1.52	1.14	.85	.76	.67
542-9230-64	9230-64	68	50	2.5	15	6.7	135	1.52	1.14	.85	.76	.67
542-9230-68	9230-68	100	50	2.5	13	8	125	1.52	1.14	.85	.76	.67
542-9230-70	9230-70	120	30	0.79	12	13	97	1.52	1.14	.85	.76	.67

DIMENSIONS (IN)



9250 SERIES SHIELDED MOLDED RF CHOKES

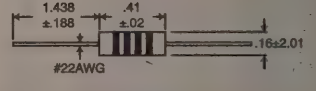
Specifications:

- Meets MIL Spec: MIL-C-15305, MS75088, MS75089, MS90537
- Electromagnetic shielding
- Inductive tolerance: ±10%

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	L (µH)	Q Min	Test Freq MHz	Fo Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each 1	10	25	50	100
542-9250-102	9250-102	1	44	25	140	0.07	1070	1.99	1.42	1.13	.99	.85
542-9250-222	9250-222	2.2	44	7.9	100	0.19	650	1.99	1.42	1.13	.99	.85
542-9250-472	9250-472	4.7	44	7.9	70	0.55	380	1.99	1.42	1.13	.99	.85
542-9250-103	9250-103	10	50	7.9	46	1.62	220	1.99	1.42	1.13	.99	.85
542-9250-223	9250-223	22	45	2.5	41	0.96	290	1.99	1.42	1.13	.99	.85
542-9250-473	9250-473	47	50	2.5	27	2.11	195	1.99	1.42	1.13	.99	.85
542-9250-104	9250-104	100	50	2.5	10	3.12	160	2.39	1.70	1.36	1.19	1.02
542-9250-224	9250-224	220	55	0.79	7.5	5	125	2.39	1.70	1.36	1.19	1.02
542-9250-474	9250-474	470	60	0.79	5.7	9.5	92	2.39	1.70	1.36	1.19	1.02
542-9250-105	9250-105	1000	60	0.79	3.8	17.5	70	2.39	1.70	1.36	1.19	1.02
542-9250-225	9250-225	2200	45	0.25	0.97	33.8	50	2.74	1.95	1.56	1.37	1.17
542-9250-106	9250-106	10000	40	0.25	0.47	137	24	2.95	2.10	1.68	1.47	1.26

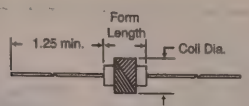
DIMENSIONS (IN)



F SERIES RF CHOKES

ecifications:
amish impregnated
ore material: L ≤ 15000μH, iron
L ≥ 33000μH, ferrite

DIMENSIONS (IN.)



For quantities of 500 and up, call for quote.

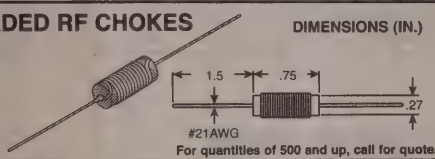
MOUSER TOCK NO.	L (μH)	Q Min.	Fo Min.	Rdc Max. Ohms	Idc Max mA	Coil Dia. Max.	Form Length	Price Each 1	100	250
2-70F106	1.0	41	118.0	0.048	2041	.165	.25	.80	.60	.45
2-70F226	2.2	43	87.0	0.156	1132	.16	.25	.97	.73	.55
2-70F336	3.3	40	66.0	0.24	912	.15	.25	.97	.73	.55
2-70F476	4.7	43	53.0	0.457	661	.15	.25	.97	.73	.55
2-70F686	6.8	40	49.0	0.624	566	.15	.25	.97	.73	.55
2-70F105	10	36	19.0	1.56	277	.16	.25	1.18	.89	.67
2-70F225	22	51	13.0	2.28	229	.165	.25	1.18	.89	.67
2-70F335	33	50	10.0	2.76	208	.17	.25	1.18	.89	.67
2-70F395	39	48	9.3	3.36	188	.175	.25	1.18	.89	.67
2-70F475	47	44	9.1	3.36	188	.175	.25	1.18	.89	.67
2-70F104	100	25	3.6	7.68	139	.165	.25	1.29	.97	.73
2-70F474	470	35	1.8	16.3	95	.185	.25	1.29	.97	.73
2-70F504	500	49	1.8	18.0	91	.195	.25	1.37	1.02	.77
2-70F824	820	33	1.6	22.9	80	.21	.25	1.37	1.02	.77
2-70F103	1000	30	1.4	24.0	79	.225	.25	1.37	1.02	.77
2-70F223	2200	40	0.96	45.6	57	.24	.25	1.37	1.02	.77
2-70F253	2500	48	0.96	45.6	57	.26	.38	1.37	1.02	.77
2-70F333	3300	52	0.8	51.6	53	.26	.38	1.37	1.02	.77
2-70F473	4700	49	0.68	64.8	48	.285	.38	1.37	1.02	.77
2-70F102	10000	41	0.52	101.0	38	.335	.38	1.37	1.02	.77
2-70F152	15000	50	0.32	113.0	47	.3	.50	2.29	1.70	1.29
2-70F332	33000	61	0.232	134.0	43	.353	.63	3.16	2.35	1.78
2-70F502	50000	57	0.196	175.0	37	.4	.63	3.16	2.35	1.78
2-70F101	100000	48	0.157	278.0	29	.446	.63	2.18	1.62	1.23

J.W.Miller AXIAL LEADED RF CHOKES

enolic Core

ecifications:
ductive tolerance: ±10%
xcept 542-4602 is ±20%)
amish impregnated

DIMENSIONS (IN.)

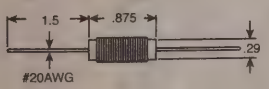


For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	L (μH)	Q Min	Test Freq MHz	Fo Min. MHz	Rdc Max.	Idc Max mA	Price Each 1	100	250
42-4602	1.0	60	7.9	190	.05	2000	.97	.72	.53
42-4604	1.5	58	7.9	149	.093	1800	.97	.72	.53
42-4606	2.4	56	7.9	120	.19	1500	.97	.72	.53
42-4608	3.9	60	7.9	93	.45	1000	.97	.72	.53
42-4609	5.5	57	7.9	80	.67	850	.97	.72	.53
42-4610	6.2	57	7.9	76	.83	700	.97	.72	.53
42-4611	8.2	57	7.9	65	1.2	600	.97	.72	.53
42-4612	10.0	36	2.5	61	1.5	500	.97	.72	.53

n Core

ecifications:
ductive tolerance: ±5%
amish impregnated



DIMENSIONS (IN.)

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	L (μH)	Q Min	Test Freq MHz	Fo Min. MHz	Rdc Max.	Idc Max mA	Price Each 1	100	250
42-4622	10	69	2.5	40	0.11	1500	.97	.72	.53
42-4624	15	62	2.5	33	0.17	1000	.97	.72	.53
42-4626	24	65	2.5	25	0.34	800	.97	.72	.53
42-4629	55	72	2.5	17	1.0	500	.97	.72	.53
42-4630	62	83	2.5	16	1.2	475	1.34	.99	.74
42-4631	82	85	2.5	13	1.9	450	1.34	.99	.74
42-4632	100	107	.79	12	3.0	400	1.34	.99	.74

J.W.Miller HEAVY DUTY HASH CHOKES

ecial Features:
ow cost, low DCR
igh current capacity
amish coated
perating temperature -55 to +105°C
eal for use as EMI filter, output choke, smoothing coil
urrent to cause 10% maximum inductance drop or 35°C maximum temperature rise

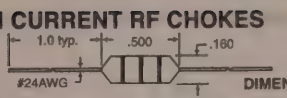
Specifications:
- L ≤ 4μH measured on Q meter @ 7.9 MHz
- L ≥ 40μH measured on 1 kHz bridge
- Inductive tolerance: ±20%

For quantities of 50 and up, call for quote.

MOUSER TOCK NO.	L (μH)	Rdc Max. Ohms	Idc Max Amps	Coil Dia. Max.	Form Length	Core Material	Price Each 1	10	25
42-5218	3.35	.01	20	.6	1.25	Iron	5.37	3.94	2.95
42-5219	4.9	.016	15	.6	1.25	Iron	5.03	3.69	2.77
42-5220	8.8	.021	10	.56	1.25	Iron	4.78	3.51	2.63
42-5230	4	.012	8	.38	.875	Ferrite	2.39	1.75	1.31
42-5240	40	.082	3	.31	1.25	Ferrite	2.39	1.75	1.31
42-5248	68	.054	5	.56	1.25	Ferrite	2.88	2.11	1.55
42-5250	100	.216	2	.38	1.25	Ferrite	2.88	2.11	1.55
42-5252	125	.08	3.5	.5	1.25	Ferrite	3.18	2.33	1.72
42-5254	250	.17	2.5	.44	1.25	Ferrite	3.18	2.33	1.72
42-5256	500	.26	2	.56	1.25	Ferrite	3.18	2.33	1.72
42-5258	1000	.55	1	.5	1.25	Ferrite	3.27	2.40	1.80

J.W.Miller MINIATURE HIGH CURRENT RF CHOKES

Specifications:
- Epoxy conformal coated
- Operating temperature: -55°C to +105°C



DIMENSIONS (IN.)

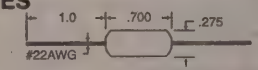
5300 Series

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Inductive Tolerance	Incr I mA	Fo Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each 1	10	25
542-5300-01	1.0	10%	3000	190.0	0.018	3300	1.65	1.57	1.49
542-5300-03	1.5	10%	2500	160.0	0.020	3100	1.65	1.57	1.49
542-5300-10	5.6	10%	1300	64.0	0.074	1600	1.65	1.57	1.49
542-5300-13	10	10%	970	25.0	0.095	1500	1.65	1.57	1.49
542-5300-17	22	10%	640	8.4	0.19	1000	1.65	1.57	1.49
542-5300-19	33	10%	530	7.6	0.24	910	1.65	1.57	1.49
542-5300-21	47	10%	430	6.0	0.35	760	1.65	1.57	1.49
542-5300-25	100	10%	300	3.9	0.67	550	1.65	1.57	1.49
542-5300-27	150	10%	250	3.2	1.2	410	1.65	1.57	1.49
542-5300-29	220	10%	200	2.3	1.9	320	1.65	1.57	1.49
542-5300-32	390	10%	150	1.7	3.0	260	1.65	1.57	1.49
542-5300-33	470	10%	140	1.4	3.4	240	1.65	1.57	1.49

J.W.Miller HIGH CURRENT RF CHOKES

Specifications:
- Coils finished with sleeving VW1 Rated
- Inductance measured @ 1kHz
- Operating temperature: -55°C to +105°C



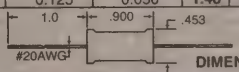
DIMENSIONS (IN.)

5800 Series

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Inductive Tolerance	Rdc Max. Ohms @ +20°C	Saturation Current DC Amps	Suggested Rated Current AC	Price Each 1	10	25
542-5800-3R9	3.9	10%	0.019	7.3	1.28	1.48	1.11	.83
542-5800-8R2	8.2	10%	0.028	4.5	1.28	1.48	1.11	.83
542-5800-100	10	10%	0.033	4.1	1.28	1.48	1.11	.83
542-5800-470	47	10%	0.109	1.8	0.804	1.48	1.11	.83
542-5800-560	56	10%	0.140	1.7	0.804	1.48	1.11	.83
542-5800-820	82	10%	0.152	1.4	0.804	1.48	1.11	.83
542-5800-101	100	10%	0.208	1.2	0.632	1.48	1.11	.83
542-5800-121	120	10%	0.283	1.1	0.508	1.48	1.11	.83
542-5800-151	150	10%	0.340	1.0	0.508	1.48	1.11	.83
542-5800-181	180	10%	0.362	0.95	0.508	1.48	1.11	.83
542-5800-221	220	10%	0.430	0.86	0.508	1.48	1.11	.83
542-5800-271	270	10%	0.557	0.77	0.400	1.48	1.11	.83
542-5800-331	330	10%	0.665	0.70	0.400	1.48	1.11	.83
542-5800-391	390	10%	0.772	0.64	0.400	1.48	1.11	.83
542-5800-471	470	10%	1.15	0.59	0.315	1.48	1.11	.83
542-5800-102	1000	10%	2.30	0.40	0.200	1.48	1.11	.83
542-5800-152	1500	10%	3.45	0.33	0.158	1.48	1.11	.83
542-5800-222	2200	10%	4.48	0.27	0.158	1.48	1.11	.83
542-5800-472	4700	10%	10.5	0.18	0.100	1.48	1.11	.83
542-5800-682	6800	10%	16.3	0.151	0.082	1.48	1.11	.83
542-5800-103	10000	10%	26.4	0.125	0.050	1.48	1.11	.83

Special Features:
- High current capacity
- Low DCR
- Ferrite bobbin core



DIMENSIONS (IN.)

5900 Series

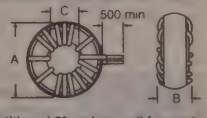
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Inductive Tolerance	Rdc Max. Ohms @ +20°C	Saturation Current DC Amps	Suggested Rated Current AC	Price Each 1	10	25
542-5900-100	10	10%	0.017	8.70	4.0	2.63	1.87	1.50
542-5900-220	22	10%	0.026	6.07	4.0	2.63	1.87	1.50
542-5900-470	47	10%	0.035	3.98	4.0	2.63	1.87	1.50
542-5900-560	56	10%	0.037	3.66	3.2	2.63	1.87	1.50
542-5900-101	100	10%	0.090	2.79	1.6	2.63	1.87	1.50
542-5900-121	120	10%	0.113	2.54	1.6	2.63	1.87	1.50
542-5900-151	150	10%	0.129	2.22	1.6	2.63	1.87	1.50
542-5900-221	220	10%	0.162	1.89	1.6	2.63	1.87	1.50
542-5900-271	270	10%	0.208	1.63	1.6	2.63	1.87	1.50
542-5900-331	330	10%	0.212	1.51	1.6	2.63	1.87	1.50
542-5900-391	390	10%	0.281	1.39	1.6	2.63	1.87	1.50
542-5900-471	470	10%	0.380	1.24	1.2	2.63	1.87	1.50
542-5900-681	680	10%	0.548	1.05	1.0	2.63	1.87	1.50
542-5900-102	1000	10%	0.844	0.87	0.8	2.63	1.87	1.50
542-5900-152	1500	10%	1.18	0.70	0.6	2.63	1.87	1.50
542-5900-472	4700	10%	3.19	0.39	0.4	2.63	1.87	1.50
542-5900-682	6800	10%	5.69	0.322	0.250	2.63	1.87	1.50
542-5900-103	10000	10%	7.30	0.266	0.250	4.04	2.88	2.31

J.W.Miller HIGH CURRENT TOROIDS

Special Features:
- DC-DC converter, EMI filter applications
- Low radiation
- Low core loss
- High current capacity

DIMENSIONS (IN.)



5700 Series

For quantities of 50 and up, call for quote.

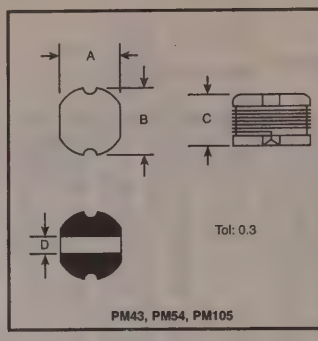
MOUSER STOCK NO.	L (μH)	I, DC Max Amps	Min L @ I, DC	Dimensions (In.) A	B	C	Price Each 1	10	25
542-5701	10	11.00	5	.875	.437	.187	5.54	5.15	4.88
542-5702	25	5.50	12	.875	.437	.187	5.54	5.15	4.88
542-5711	50	9.50	25	1.250	.625	.375	6.81	6.33	6.00
542-5707	75	5.00	40	1.125	.562	.312	5.54	5.15	4.88
542-5703	125	2.75	70	.875	.437	.187	5.54	5.15	4.88
542-5712	150	4.75	85	1.250	.625	.375	6.81	6.33	6.00
542-5704	275	2.00	150	.875	.437	.187	5.54	5.15	4.88
542-5705	450	1.50	250	.875	.437	.187	5.54	5.15	4.88

SMT POWER INDUCTORS

Features:

- Compact size
- Ferrite bobbin core
- High current capability
- Low core loss for high frequency power application
- Operating temperature range: -30 to +100°C
- Large terminal surface for good PCB bonding
- Current to cause maximum 10% of inductance drop or 40°C temperature rise

DIMENSIONS (mm)				
Series	A	B	C	D
PM43	4.0	4.5	3.2	1.2
PM54	5.2	5.8	4.5	1.3
PM105	9.0	10.0	5.4	2.1
PM105SB	9.0	10.0	5.0	2.5



PM43 Series

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Inductive Tolerance	Test Freq.	Fo Typ. MHz	Rdc Max. Ohms	Idc Max Amps	Price Each 1	10	100
542-PM43-1R0M	1.0	20%	7.96Mhz	113	0.049	2.56	1.61	1.41	1.16
542-PM43-4R7M	4.7	20%	7.96Mhz	49	0.109	1.15	1.61	1.41	1.16
542-PM43-100M	10	20%	2.52MHz	35	0.182	1.04	1.61	1.41	1.16
542-PM43-120M	12	20%	2.52MHz	32	0.210	0.97	1.61	1.41	1.16
542-PM43-180M	18	20%	2.52MHz	27	0.338	0.74	1.61	1.41	1.16
542-PM43-220M	22	20%	2.52MHz	24	0.378	0.68	1.61	1.41	1.16
542-PM43-330K	33	10%	2.52MHz	19	0.540	0.56	1.61	1.41	1.16
542-PM43-390K	39	10%	2.52MHz	18	0.587	0.52	1.61	1.41	1.16
542-PM43-470K	47	10%	2.52MHz	15	0.844	0.44	1.61	1.41	1.16
542-PM43-680K	68	10%	2.52MHz	13	1.117	0.37	1.61	1.41	1.16

PM54 Series

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Inductive Tolerance	Test Freq.	Fo Typ. MHz	Rdc Max. Ohms	Idc Max Amps	Price Each 1	10	100
542-PM54-100M	10	20%	2.52MHz	30	0.10	1.44	1.00	.90	.75
542-PM54-180M	18	20%	2.52MHz	23	0.15	1.23	1.25	1.10	.93
542-PM54-220M	22	20%	2.52MHz	19	0.18	1.11	1.25	1.10	.93
542-PM54-330L	33	15%	2.52MHz	16	0.23	0.88	1.25	1.10	.93
542-PM54-470L	47	15%	2.52MHz	13	0.37	0.72	1.25	1.10	.93
542-PM54-560K	56	10%	2.52MHz	12	0.42	0.68	1.25	1.10	.93
542-PM54-680K	68	10%	2.52MHz	11	0.46	0.61	1.25	1.10	.93
542-PM54-101K	100	10%	1kHz	9	0.70	0.52	1.25	1.10	.93
542-PM54-121K	120	10%	1kHz	8	0.93	0.48	1.25	1.10	.93
542-PM54-221K	220	10%	1kHz	5	1.57	0.35	1.25	1.10	.93

PM105 Series (Unshielded)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Inductive Tolerance	Test Freq.	Fo Typ. MHz	Rdc Max. Ohms	Idc Max Amps	Price Each 1	10	25
542-PM105-100M	10	20%	2.52MHz	25	0.06	2.60	1.76	1.70	1.58
542-PM105-120M	12	20%	2.52MHz	23	0.07	2.45	1.76	1.70	1.58
542-PM105-220M	22	20%	2.52MHz	15	0.10	1.96	1.76	1.70	1.58
542-PM105-270M	27	20%	2.52MHz	14	0.11	1.76	1.76	1.70	1.58
542-PM105-330M	33	20%	2.52MHz	13	0.12	1.50	1.76	1.70	1.58
542-PM105-390M	39	20%	2.52MHz	12	0.14	1.37	1.76	1.70	1.58
542-PM105-470K	47	10%	2.52MHz	10	0.17	1.28	1.76	1.70	1.58
542-PM105-560K	56	10%	2.52MHz	10	0.19	1.17	1.76	1.70	1.58
542-PM105-680K	68	10%	2.52MHz	9	0.22	1.11	1.76	1.70	1.58
542-PM105-820K	82	10%	2.52MHz	8	0.25	1.00	1.76	1.70	1.58
542-PM105-101K	100	10%	1kHz	7	0.35	0.97	1.76	1.70	1.58
542-PM105-121K	120	10%	1kHz	6	0.40	0.89	1.76	1.70	1.58
542-PM105-151K	150	10%	1kHz	5	0.47	0.78	1.76	1.70	1.58
542-PM105-221K	220	10%	1kHz	5	0.73	0.66	1.76	1.70	1.58
542-PM105-271K	270	10%	1kHz	4	0.97	0.57	1.76	1.70	1.58
542-PM105-331K	330	10%	1kHz	4	1.15	0.52	1.76	1.70	1.58
542-PM105-391K	390	10%	1kHz	3	1.30	0.48	1.76	1.70	1.58
542-PM105-471K	470	10%	1kHz	3	1.48	0.42	1.76	1.70	1.58
542-PM105-561K	560	10%	1kHz	3	1.90	0.33	1.76	1.70	1.58
542-PM105-681K	680	10%	1kHz	2	2.25	0.28	1.76	1.70	1.58
542-PM105-821K	820	10%	1kHz	2	2.55	0.24	1.76	1.70	1.58

PM105SB Series (Shielded)

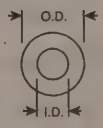
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Ind. Tol.	Test Freq.	Fo Typ. MHz	Rdc Max. Ohms	Idc Max Amps	Price Each 1	10	25
542-PM105SB-100M	10	20%	2.52MHz	29	0.06	2.06	2.17	1.99	1.95
542-PM105SB-120M	12	20%	2.52MHz	26	0.07	1.94	2.17	1.99	1.95
542-PM105SB-180M	18	20%	2.52MHz	21	0.08	1.58	2.17	1.99	1.95
542-PM105SB-220M	22	20%	2.52MHz	18	0.08	1.42	2.17	1.99	1.95
542-PM105SB-270M	27	20%	2.52MHz	17	0.10	1.32	2.17	1.99	1.95
542-PM105SB-330L	33	15%	2.52MHz	14	0.11	1.16	2.17	1.99	1.95
542-PM105SB-390L	39	15%	2.52MHz	14	0.12	1.10	2.17	1.99	1.95
542-PM105SB-470L	47	15%	2.52MHz	11	0.14	1.00	2.17	1.99	1.95
542-PM105SB-560L	56	15%	2.52MHz	11	0.19	0.93	2.17	1.99	1.95
542-PM105SB-680L	68	15%	2.52MHz	10	0.21	0.85	2.17	1.99	1.95
542-PM105SB-820L	82	15%	2.52MHz	9	0.28	0.79	2.17	1.99	1.95
542-PM105SB-101K	100	10%	1kHz	8	0.34	0.72	2.17	1.99	1.95
542-PM105SB-121K	120	10%	1kHz	7	0.37	0.63	2.17	1.99	1.95
542-PM105SB-151K	150	10%	1kHz	6	0.51	0.55	2.17	1.99	1.95
542-PM105SB-221K	220	10%	1kHz	5	0.78	0.47	2.17	1.99	1.95
542-PM105SB-271K	270	10%	1kHz	5	0.87	0.41	2.17	1.99	1.95
542-PM105SB-331K	330	10%	1kHz	4	1.20	0.37	2.17	1.99	1.95
542-PM105SB-391K	390	10%	1kHz	3	1.34	0.35	2.17	1.99	1.95
542-PM105SB-471K	470	10%	1kHz	3	1.50	0.33	2.17	1.99	1.95

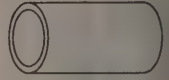
FB SERIES FERRITE BEADS

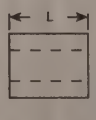
Features:

- Very low cost
- Excellent EMI suppression capability at high frequency
- Higher impedance can be achieved with 2 or more beads in series
- Wider frequency range can be achieved with 2 beads of different material grade in series



DIMENSIONS (IN)





For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Freq. Range (MHz)	Material Type	Min./Max. Dimensions (IN) O.D.	I.D.	L	Price Each 1	10	25	50	100
542-FB73-085	up to 40	73	.052/.056	.027/.031	.085/.095	.14	.13	.12	.10	.093
542-FB43-226	40-200	43	.123/.153	.040/.060	.221/.251	.14	.13	.12	.10	.093
542-FB73-226	up to 40	73	.125/.155	.040/.060	.221/.251	.14	.13	.12	.10	.093
542-FB73-110	up to 40	73	.125/.155	.040/.060	.113/.143	.14	.13	.12	.10	.093
542-FB43-110	40-200	43	.125/.155	.040/.060	.113/.143	.14	.13	.12	.10	.093
542-FB64-110	above 200	64	.123/.153	.040/.060	.113.143	.14	.13	.12	.10	.093
542-FB43-422	40-200	43	.185/.215	.050/.070	.412/.462	.14	.13	.12	.10	.093
542-FB73-422	up to 40	73	.185/.215	.050/.070	.412/.462	.14	.13	.12	.10	.093
542-FB43-287	40-200	43	.281/.311	.084/.104	.282/.312	.14	.13	.12	.10	.093
542-FB73-287	up to 40	73	.281/.311	.084/.104	.282/.312	.14	.13	.12	.10	.093

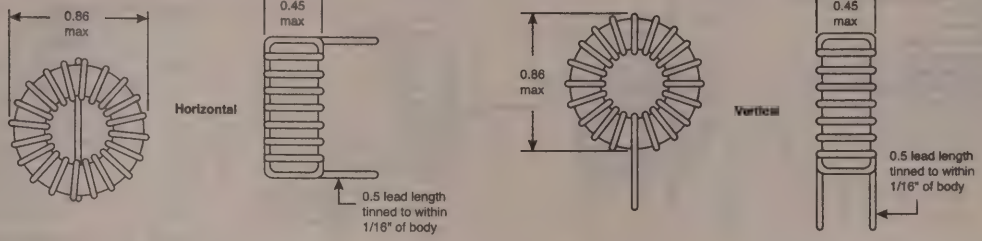
J. W. MILLER High Current Toroidal Inductors

J.W.Miller MAGNETICS

J.W.Miller 2100 SERIES

-DC converter, EMI filter applications
w radiation
w core loss
h current capacity
izontal or vertical mount
erating temperature: -55 to +105°C
rrent to cause 30°C maximum
perature rise

Dimensions: (mm)



izontal Mount

For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	J. W. Miller Part No.	Ind (μH)	Idc (A)	Resistance (Ohms)	Price Each 1	10	25	50	100	250	500
2-2101-H	2101-H	10	10.8	0.006	2.13	1.52	1.21	1.06	.91	.88	.82
2-2102-H	2102-H	12	10.3	0.007	2.13	1.52	1.21	1.06	.91	.88	.82
2-2103-H	2103-H	15	7.7	0.012	2.13	1.52	1.21	1.06	.91	.88	.82
2-2104-H	2104-H	18	7.4	0.013	2.13	1.52	1.21	1.06	.91	.88	.82
2-2105-H	2105-H	22	7.0	0.015	2.13	1.52	1.21	1.06	.91	.88	.82
2-2106-H	2106-H	27	5.3	0.026	2.13	1.52	1.21	1.06	.91	.88	.82
2-2107-H	2107-H	33	5.0	0.029	2.13	1.52	1.21	1.06	.91	.88	.82
2-2108-H	2108-H	39	4.8	0.032	2.13	1.52	1.21	1.06	.91	.88	.82
2-2109-H	2109-H	47	3.6	0.055	2.13	1.52	1.21	1.06	.91	.88	.82
2-2110-H	2110-H	56	3.4	0.06	2.13	1.52	1.21	1.06	.91	.88	.82
2-2111-H	2111-H	68	3.3	0.067	2.13	1.52	1.21	1.06	.91	.88	.82
2-2112-H	2112-H	100	2.4	0.13	2.13	1.52	1.21	1.06	.91	.88	.82
2-2113-H	2113-H	120	2.2	0.15	2.13	1.52	1.21	1.06	.91	.88	.82
2-2114-H	2114-H	150	3.4	0.062	2.13	1.52	1.21	1.06	.91	.88	.82
2-2115-H	2115-H	180	2.6	0.11	2.13	1.52	1.21	1.06	.91	.88	.82
2-2116-H	2116-H	220	2.4	0.12	2.13	1.52	1.21	1.06	.91	.88	.82
2-2117-H	2117-H	270	1.8	0.21	2.41	1.72	1.37	1.20	1.03	.99	.92
2-2118-H	2118-H	330	1.7	0.23	2.41	1.72	1.37	1.20	1.03	.99	.92
2-2119-H	2119-H	390	1.7	0.25	2.41	1.72	1.37	1.20	1.03	.99	.92
2-2120-H	2120-H	470	1.6	0.28	2.41	1.72	1.37	1.20	1.03	.99	.92
2-2121-H	2121-H	560	1.5	0.3	2.41	1.72	1.37	1.20	1.03	.99	.92
2-2122-H	2122-H	680	1.4	0.33	2.41	1.72	1.37	1.20	1.03	.99	.92
2-2123-H	2123-H	820	1.4	0.37	2.41	1.72	1.37	1.20	1.03	.99	.92
2-2124-H	2124-H	1000	1.3	0.4	2.41	1.72	1.37	1.20	1.03	.99	.92

Vertical Mount

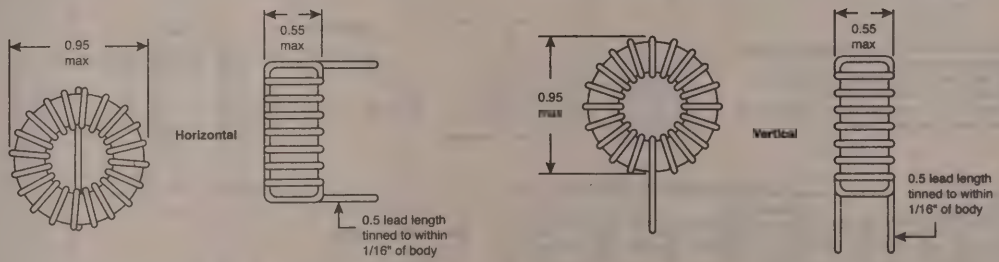
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	J. W. Miller Part No.	Ind (μH)	Idc (A)	Resistance (Ohms)	Price Each 1	10	25	50	100	250	500
542-2101-V	2101-V	10	10.8	0.006	2.13	1.52	1.21	1.06	.91	.88	.82
542-2102-V	2102-V	12	10.3	0.007	2.13	1.52	1.21	1.06	.91	.88	.82
542-2103-V	2103-V	15	7.7	0.012	2.13	1.52	1.21	1.06	.91	.88	.82
542-2104-V	2104-V	18	7.4	0.013	2.13	1.52	1.21	1.06	.91	.88	.82
542-2105-V	2105-V	22	7.0	0.015	2.13	1.52	1.21	1.06	.91	.88	.82
542-2106-V	2106-V	27	5.3	0.026	2.13	1.52	1.21	1.06	.91	.88	.82
542-2107-V	2107-V	33	5.0	0.029	2.13	1.52	1.21	1.06	.91	.88	.82
542-2108-V	2108-V	39	4.8	0.032	2.13	1.52	1.21	1.06	.91	.88	.82
542-2109-V	2109-V	47	3.6	0.055	2.13	1.52	1.21	1.06	.91	.88	.82
542-2110-V	2110-V	56	3.4	0.06	2.13	1.52	1.21	1.06	.91	.88	.82
542-2111-V	2111-V	68	3.3	0.067	2.13	1.52	1.21	1.06	.91	.88	.82
542-2112-V	2112-V	100	2.4	0.13	2.13	1.52	1.21	1.06	.91	.88	.82
542-2113-V	2113-V	120	2.2	0.15	2.13	1.52	1.21	1.06	.91	.88	.82
542-2114-V	2114-V	150	3.4	0.062	2.13	1.52	1.21	1.06	.91	.88	.82
542-2115-V	2115-V	180	2.6	0.11	2.13	1.52	1.21	1.06	.91	.88	.82
542-2116-V	2116-V	220	2.4	0.12	2.13	1.52	1.21	1.06	.91	.88	.82
542-2117-V	2117-V	270	1.8	0.21	2.41	1.72	1.37	1.20	1.03	.99	.92
542-2118-V	2118-V	330	1.7	0.23	2.41	1.72	1.37	1.20	1.03	.99	.92
542-2119-V	2119-V	390	1.7	0.25	2.41	1.72	1.37	1.20	1.03	.99	.92
542-2120-V	2120-V	470	1.6	0.28	2.41	1.72	1.37	1.20	1.03	.99	.92
542-2121-V	2121-V	560	1.5	0.3	2.41	1.72	1.37	1.20	1.03	.99	.92
542-2122-V	2122-V	680	1.4	0.33	2.41	1.72	1.37	1.20	1.03	.99	.92
542-2123-V	2123-V	820	1.4	0.37	2.41	1.72	1.37	1.20	1.03	.99	.92
542-2124-V	2124-V	1000	1.3	0.4	2.41	1.72	1.37	1.20	1.03	.99	.92

J.W.Miller 2200 SERIES

-DC converter, EMI filter applications
w radiation
w core loss
h current capacity
izontal or vertical mount
erating temperature: -55 to +105°C
rrent to cause 30°C maximum
perature rise

Dimensions: (mm)



izontal Mount

For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	J. W. Miller Part No.	Ind (μH)	Idc (A)	Resistance (Ohms)	Price Each 1	10	25	50	100	250	500
2-2201-H	2201-H	10	12.5	0.007	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2202-H	2202-H	12	12.0	0.008	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2203-H	2203-H	15	11.3	0.008	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2204-H	2204-H	18	10.8	0.009	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2205-H	2205-H	22	10.3	0.01	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2206-H	2206-H	27	9.8	0.011	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2207-H	2207-H	33	7.4	0.02	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2208-H	2208-H	39	7.1	0.022	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2209-H	2209-H	47	6.7	0.024	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2210-H	2210-H	56	6.4	0.026	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2211-H	2211-H	68	4.9	0.046	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2212-H	2212-H	100	4.4	0.056	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2213-H	2213-H	120	3.3	0.098	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2214-H	2214-H	150	3.1	0.11	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2215-H	2215-H	180	3.8	0.075	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2216-H	2216-H	220	3.6	0.083	2.69	1.92	1.53	1.34	1.15	1.11	1.03
2-2217-H	2217-H	270	3.4	0.092	2.97	2.12	1.69	1.48	1.27	1.23	1.14
2-2218-H	2218-H	330	3.3	0.1	2.97	2.12	1.69	1.48	1.27	1.23	1.14
2-2219-H	2219-H	390	2.5	0.18	2.97	2.12	1.69	1.48	1.27	1.23	1.14
2-2220-H	2220-H	470	2.3	0.19	2.97	2.12	1.69	1.48	1.27	1.23	1.14
2-2221-H	2221-H	560	2.2	0.21	2.97	2.12	1.69	1.48	1.27	1.23	1.14
2-2222-H	2222-H	680	2.1	0.23	2.97	2.12	1.69	1.48	1.27	1.23	1.14
2-2223-H	2223-H	820	2.0	0.26	2.97	2.12	1.69	1.48	1.27	1.23	1.14
2-2224-H	2224-H	1000	1.9	0.28	2.97	2.12	1.69	1.48	1.27	1.23	1.14

Vertical Mount

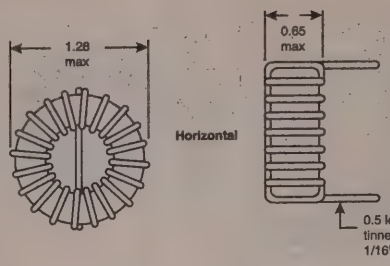
For quantities of 1000 and up, call for quote.

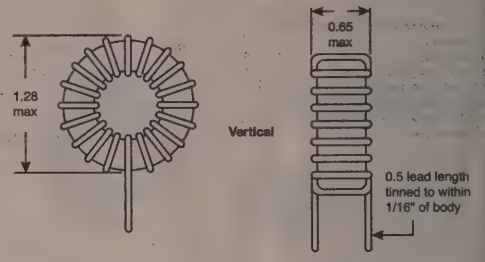
MOUSER STOCK NO.	J. W. Miller Part No.	Ind (μH)	Idc (A)	Resistance (Ohms)	Price Each 1	10	25	50	100	250	500
542-2201-V	2201-V	10	12.5	0.007	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2202-V	2202-V	12	12.0	0.008	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2203-V	2203-V	15	11.3	0.008	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2204-V	2204-V	18	10.8	0.009	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2205-V	2205-V	22	10.3	0.01	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2206-V	2206-V	27	9.8	0.011	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2207-V	2207-V	33	7.4	0.02	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2208-V	2208-V	39	7.1	0.022	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2209-V	2209-V	47	6.7	0.024	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2210-V	2210-V	56	6.4	0.026	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2211-V	2211-V	68	4.9	0.046	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2212-V	2212-V	100	4.4	0.056	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2213-V	2213-V	120	3.3	0.098	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2214-V	2214-V	150	3.1	0.11	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2215-V	2215-V	180	3.8	0.075	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2216-V	2216-V	220	3.6	0.083	2.69	1.92	1.53	1.34	1.15	1.11	1.03
542-2217-V	2217-V	270	3.4	0.092	2.97	2.12	1.69	1.48	1.27	1.23	1.14
542-2218-V	2218-V	330	3.3	0.1	2.97	2.12	1.69	1.48	1.27	1.23	1.14
542-2219-V	2219-V	390	2.5	0.18	2.97	2.12	1.69	1.48	1.27	1.23	1.14
542-2220-V	2220-V	470	2.3	0.19	2.97	2.12	1.69	1.48	1.27	1.23	1.14
542-2221-V	2221-V	560	2.2	0.21	2.97	2.12	1.69	1.48	1.27	1.23	1.14
542-2222-V	2222-V	680	2.1	0.23	2.97	2.12	1.69	1.48	1.27	1.23	1.14
542-2223-V	2223-V	820	2.0	0.26	2.97	2.12	1.69	1.48	1.27	1.23	1.14
542-2224-V	2224-V	1000	1.9	0.28	2.97	2.12	1.69	1.48	1.27	1.23	1.14

J. W. MILLER High Current Toroidal & Chip Inductors

J.W.Miller 2300 SERIES

- DC-DC converter, EMI filter applications
- Low radiation
- Low core loss
- High current capacity
- Horizontal or vertical mount
- Operating temperature: -55 to +105°C
- Current to cause 30°C maximum temperature rise





Horizontal Mount

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	J. W. Miller Part No.	Ind (µH)	Idc (A)	Resistance (Ohms)	Price Each 1	10	25	50	100	250	500
542-2301-H	2301-H	10	20.0	0.005	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2302-H	2302-H	12	19.1	0.005	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2303-H	2303-H	15	18.0	0.006	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2304-H	2304-H	18	17.2	0.006	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2305-H	2305-H	22	16.4	0.007	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2306-H	2306-H	27	15.6	0.008	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2307-H	2307-H	33	11.7	0.013	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2308-H	2308-H	39	11.2	0.014	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2309-H	2309-H	47	10.7	0.016	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2310-H	2310-H	56	10.2	0.017	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2311-H	2311-H	68	7.7	0.03	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2312-H	2312-H	100	7.0	0.037	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2313-H	2313-H	120	6.7	0.04	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2314-H	2314-H	150	5.0	0.071	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2315-H	2315-H	180	4.8	0.078	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2316-H	2316-H	220	5.8	0.054	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2317-H	2317-H	270	5.5	0.06	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2318-H	2318-H	330	5.2	0.067	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2319-H	2319-H	390	5.0	0.072	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2320-H	2320-H	470	3.8	0.13	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2321-H	2321-H	560	3.6	0.14	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2322-H	2322-H	680	3.4	0.15	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2323-H	2323-H	820	2.6	0.27	2.78	2.08	1.85	1.53	1.39	1.29	1.23
542-2324-H	2324-H	1000	2.4	0.3	2.78	2.08	1.85	1.53	1.39	1.29	1.23

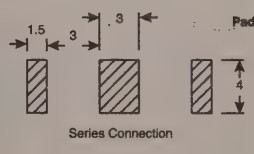
Vertical Mount

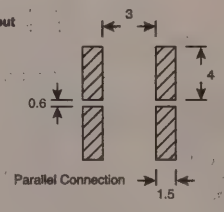
For quantities of 1000 and up, call for qu

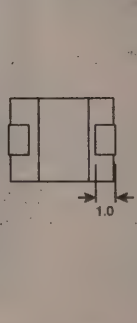
MOUSER STOCK NO.	J. W. Miller Part No.	Ind (µH)	Idc (A)	Resistance (Ohms)	Price Each 1	10	25	50	100	250	5
542-2301-V	2301-V	10	20.0	0.005	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2302-V	2302-V	12	19.1	0.005	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2303-V	2303-V	15	18.0	0.006	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2304-V	2304-V	18	17.2	0.006	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2305-V	2305-V	22	16.4	0.007	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2306-V	2306-V	27	15.6	0.008	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2307-V	2307-V	33	11.7	0.013	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2308-V	2308-V	39	11.2	0.014	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2309-V	2309-V	47	10.7	0.016	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2310-V	2310-V	56	10.2	0.017	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2311-V	2311-V	68	7.7	0.03	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2312-V	2312-V	100	7.0	0.037	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2313-V	2313-V	120	6.7	0.04	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2314-V	2314-V	150	5.0	0.071	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2315-V	2315-V	180	4.8	0.078	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2316-V	2316-V	220	5.8	0.054	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2317-V	2317-V	270	5.5	0.06	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2318-V	2318-V	330	5.2	0.067	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2319-V	2319-V	390	5.0	0.072	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2320-V	2320-V	470	3.8	0.13	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2321-V	2321-V	560	3.6	0.14	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2322-V	2322-V	680	3.4	0.15	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2323-V	2323-V	820	2.6	0.27	2.78	2.08	1.85	1.53	1.39	1.29	1
542-2324-V	2324-V	1000	2.4	0.3	2.78	2.08	1.85	1.53	1.39	1.29	1

J.W.Miller PM1812 SERIES CHIP INDUCTORS

- Molded construction for high reliability and superior environmental protection
- High resistance to solder heat and moisture
- Operating temperature -55 to +105°C
- Current to cause 20°C maximum temperature rise
- Tape & reel packaged 500/reel







For quantities greater than listed, call for quote.

Price Each 1	10	25	50	100	250	500	1000
.43	.39	.35	.33	.21	.20	.18	.116

Dimensions: (mm)

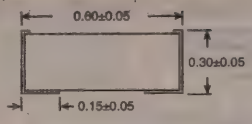
MOUSER STOCK NO.	J. W. Miller Part No.	L (uH) ±10%	Q Min	Test Freq. (Mhz)	SRF (Mhz) Min.	DCR (Ω) Max.	I, DC (mA)
542-PM1812-R10K	PM1812-R10K	0.1	28	25.2	300	0.18	800
542-PM1812-R12K	PM1812-R12K	0.12	30	25.2	280	0.2	770
542-PM1812-R15K	PM1812-R15K	0.15	30	25.2	250	0.22	730
542-PM1812-R18K	PM1812-R18K	0.18	30	25.2	220	0.24	700
542-PM1812-R22K	PM1812-R22K	0.22	30	25.2	200	0.25	665
542-PM1812-R27K	PM1812-R27K	0.27	30	25.2	180	0.26	635
542-PM1812-R33K	PM1812-R33K	0.33	30	25.2	165	0.28	605
542-PM1812-R39K	PM1812-R39K	0.39	30	25.2	150	0.3	575
542-PM1812-R47K	PM1812-R47K	0.47	30	25.2	145	0.32	545
542-PM1812-R56K	PM1812-R56K	0.56	30	25.2	140	0.36	520
542-PM1812-R68K	PM1812-R68K	0.68	30	25.2	135	0.4	500
542-PM1812-R82K	PM1812-R82K	0.82	30	25.2	130	0.45	475
542-PM1812-1R0J	PM1812-1R0J	1	50	7.96	100	0.5	450
542-PM1812-1R2J	PM1812-1R2J	1.2	50	7.96	80	0.55	430
542-PM1812-1R5J	PM1812-1R5J	1.5	50	7.96	70	0.6	410
542-PM1812-1R8J	PM1812-1R8J	1.8	50	7.96	60	0.65	390
542-PM1812-2R2J	PM1812-2R2J	2.2	50	7.96	55	0.7	380
542-PM1812-2R7J	PM1812-2R7J	2.7	50	7.96	50	0.75	370
542-PM1812-3R3J	PM1812-3R3J	3.3	50	7.96	45	0.8	355
542-PM1812-3R9J	PM1812-3R9J	3.9	50	7.96	40	0.9	330
542-PM1812-4R7J	PM1812-4R7J	4.7	50	7.96	35	1	315
542-PM1812-5R6J	PM1812-5R6J	5.6	50	7.96	33	1.1	300
542-PM1812-6R8J	PM1812-6R8J	6.8	50	7.96	27	1.2	285
542-PM1812-8R2J	PM1812-8R2J	8.2	50	7.96	25	1.4	270
542-PM1812-100J	PM1812-100J	10	50	2.52	20	1.6	250

MOUSER STOCK NO.	J. W. Miller Part No.	L (uH) ±10%	Q Min	Test Freq. (Mhz)	SRF (Mhz) Min.	DCR (Ω) Max.	I, D (m
542-PM1812-120J	PM1812-120J	12	50	2.52	18	2	2
542-PM1812-150J	PM1812-150J	15	50	2.52	17	2.5	2
542-PM1812-180J	PM1812-180J	18	50	2.52	15	2.8	1
542-PM1812-220J	PM1812-220J	22	50	2.52	13	3.2	1
542-PM1812-270J	PM1812-270J	27	50	2.52	12	3.6	1
542-PM1812-330J	PM1812-330J	33	50	2.52	11	4	1
542-PM1812-390J	PM1812-390J	39	50	2.52	10	4.5	1
542-PM1812-470J	PM1812-470J	47	50	2.52	10	5	1
542-PM1812-560J	PM1812-560J	56	50	2.52	9	5.5	1
542-PM1812-680J	PM1812-680J	68	50	2.52	9	6	1
542-PM1812-820J	PM1812-820J	82	50	2.52	8	7	1
542-PM1812-101J	PM1812-101J	100	40	0.796	7	8	1
542-PM1812-121J	PM1812-121J	120	40	0.796	6	8	1
542-PM1812-151J	PM1812-151J	150	40	0.796	5	9	1
542-PM1812-181J	PM1812-181J	180	40	0.796	5	9.5	1
542-PM1812-221J	PM1812-221J	220	40	0.796	4	10	1
542-PM1812-271J	PM1812-271J	270	30	0.796	3	12	9
542-PM1812-331J	PM1812-331J	330	30	0.796	3	14	8
542-PM1812-391J	PM1812-391J	390	30	0.796	3	18	8
542-PM1812-471J	PM1812-471J	470	30	0.796	3	26	6
542-PM1812-561J	PM1812-561J	560	30	0.796	2	30	5
542-PM1812-681J	PM1812-681J	680	30	0.796	2	30	5
542-PM1812-821J	PM1812-821J	820	30	0.796	2	35	3
542-PM1812-102J	PM1812-102J	1000	30	0.796	2	40	3

P03T SERIES HIGH FREQUENCY FILM TYPE

3T series using Murata's
al thin film technology
outes further to miniaturizing
erformance equipment due to
case size and high Q-value.

Applications:
- High frequency circuits of mobile phones such as PA, ANT, VCO, SAW, etc.
- Mobile phones such as GSM, CDMA, PDC, etc.
- "Bluetooth"
- W-LAN
- High frequency circuits in general



DIMENSIONS: mm

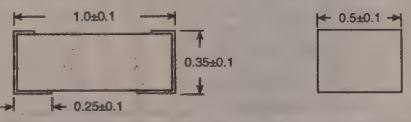
For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	L (nH)	Tol. ±	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	Rdc. Max. (Ω)	Rated Current (mA)	Price Each 1	50	100	500	2500	Reel Qty.	Price Per Piece
LQP03TN1N0C00D	LQP03TN1N0C00D	1	0.2nH	11	500	6000	0.1	400	.27	.25	.21	.14	.11	10000	.07
LQP03TN1N5B00D	LQP03TN1N5B00D	1.5	0.1nH	11	500	6000	0.16	280	.34	.29	.26	.18	.14	10000	.09
LQP03TN2N2C00D	LQP03TN2N2C00D	2.2	0.2nH	11	500	6000	0.18	220	.27	.25	.21	.14	.11	10000	.07
LQP03TN2N7C00D	LQP03TN2N7C00D	2.7	0.2nH	11	500	6000	0.21	220	.27	.25	.21	.14	.11	10000	.07

P15M SERIES HIGH FREQUENCY FILM TYPE

ures:
h Q at high frequency range
h self resonant frequency

Applications:
- High frequency circuits of mobile phones such as PA, ANT, VCO, SAW, etc.
- Mobile phones such as GSM, CDMA, PDC, etc.
- "Bluetooth"
- W-LAN
- High frequency circuits in general



DIMENSIONS: mm

For quantities of 20,000 and up, call for quote.

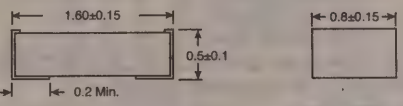
MOUSER STOCK NO.	Murata Part No.	L (nH)	Tol. ±	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	Rdc. Max. (Ω)	Rated Current (mA)	Price Each 1	50	100	500	2500	Reel Qty.	Price Per Piece
LQP15MN1N0B02D	LQP15MN1N0B02D	1	0.1nH	13	500	6000	0.1	400	.21	.18	.17	.11	.09	10000	.05
LQP15MN1N5B02D	LQP15MN1N5B02D	1.5	0.1nH	13	500	6000	0.2	280	.21	.18	.17	.11	.09	10000	.05
LQP15MN2N7B02D	LQP15MN2N7B02D	2.7	0.1nH	13	500	6000	0.3	220	.21	.18	.17	.11	.09	10000	.05
LQP15MN3N3B02D	LQP15MN3N3B02D	3.3	0.1nH	13	500	6000	0.4	190	.21	.18	.17	.11	.09	10000	.05
LQP15MN4N7B02D	LQP15MN4N7B02D	4.7	0.1nH	13	500	6000	0.6	160	.21	.18	.17	.11	.09	10000	.05
LQP15MN5N6B02D	LQP15MN5N6B02D	5.6	0.1nH	13	500	6000	0.7	140	.21	.18	.17	.11	.09	10000	.05
LQP15MN8N2B02D	LQP15MN8N2B02D	8.2	0.1nH	13	500	5500	1.1	110	.21	.18	.17	.11	.09	10000	.05

P18M SERIES HIGH FREQUENCY FILM TYPE

ures:
h Q at high frequency range
h self resonant frequency

Applications:
- High frequency circuits of mobile phones such as PA, ANT, VCO, SAW, etc.
- Mobile phones such as GSM, CDMA, PDC, etc.
- "Bluetooth"
- W-LAN
- High frequency circuits in general

DIMENSIONS: mm



3 Case Size

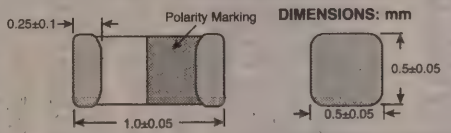
For quantities of 8,000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	L (nH)	Tol. ±	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	Rdc. Max. (Ω)	Rated Current (mA)	Price Each 1	50	100	500	1000	Reel Qty.	Price Per Piece
LQP18MN1N5C02D	LQP18MN1N5C02D	1.5nH	0.2nH	17	500	6000	0.3	300	.40	.35	.31	.22	.19	4000	.10
LQP18MN2N7C02D	LQP18MN2N7C02D	2.7	0.2nH	17	500	6000	0.4	250	.40	.35	.31	.22	.19	4000	.10
LQP18MN4N7C02D	LQP18MN4N7C02D	4.7	0.2nH	17	500	5200	0.5	200	.40	.35	.31	.22	.19	4000	.10
LQP18MN10NG02D	LQP18MN10NG02D	10	2%	17	500	3400	1	150	.40	.35	.31	.22	.19	4000	.10
LQP18MN47NG02D	LQP18MN47NG02D	47	2%	17	300	1200	2.2	100	.40	.35	.31	.22	.19	4000	.10

G15H HIGH FREQUENCY MULTILAYER TYPE AIR CORE COIL

LQG15HS series are chip inductors
ifically designed for high frequency
cations. The LQG15H series is designed to
ze stable characteristics in high frequency
e applying integrated multilayer process.

Applications:
- High frequency circuits of mobile phones such as PA, ANT, VCO, SAW, etc.
- Mobile phones such as GSM, CDMA, PDC, etc.
- "Bluetooth"
- W-LAN
- High frequency circuits in general



DIMENSIONS: mm

2 Case Size

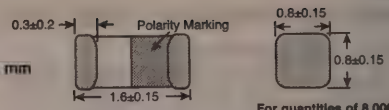
For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	L (nH)	Tol. ±	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	Rdc. Max. (Ω)	Rated Current (mA)	Price Each 1	50	100	500	2500	Reel Qty.	Price Per Piece
LQG15HS1N0S02D	LQG15HS1N0S02D	1	0.3nH	8	100	10000	0.07	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS1N2S02D	LQG15HS1N2S02D	1.2	0.3nH	8	100	6000	0.09	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS1N5S02D	LQG15HS1N5S02D	1.5	0.3nH	8	100	6000	0.1	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS1N8S02D	LQG15HS1N8S02D	1.8	0.3nH	8	100	6000	0.1	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS2N2S02D	LQG15HS2N2S02D	2.2	0.3nH	8	100	6000	0.12	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS2N7S02D	LQG15HS2N7S02D	2.7	0.3nH	8	100	6000	0.15	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS3N3S02D	LQG15HS3N3S02D	3.3	0.3nH	8	100	6000	0.17	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS3N9S02D	LQG15HS3N9S02D	3.9	0.3nH	8	100	6000	0.18	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS4N7S02D	LQG15HS4N7S02D	4.7	0.3nH	8	100	6000	0.18	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS5N6S02D	LQG15HS5N6S02D	5.6	0.3nH	8	100	4500	0.2	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS6N2S02D	LQG15HS6N2S02D	6.2	0.3nH	8	100	4500	0.22	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS6N8J02D	LQG15HS6N8J02D	6.8	5%	8	100	4500	0.24	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS8N2J02D	LQG15HS8N2J02D	8.2	5%	8	100	3700	0.24	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS10NJ02D	LQG15HS10NJ02D	10	5%	8	100	3400	0.26	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS12NJ02D	LQG15HS12NJ02D	12	5%	8	100	3000	0.28	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS15NJ02D	LQG15HS15NJ02D	15	5%	8	100	2500	0.32	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS18NJ02D	LQG15HS18NJ02D	18	0.3nH	8	100	2200	0.36	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS22NJ02D	LQG15HS22NJ02D	22	5%	8	100	1900	0.42	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS27NJ02D	LQG15HS27NJ02D	27	5%	8	100	1700	0.46	300	.12	.09	.078	.062	.055	10000	.023
LQG15HS33NJ02D	LQG15HS33NJ02D	33	5%	8	100	1600	0.58	200	.12	.09	.078	.062	.055	10000	.023
LQG15HS39NJ02D	LQG15HS39NJ02D	39	5%	8	100	1200	0.65	200	.14	.10	.085	.068	.059	10000	.025
LQG15HS47NJ02D	LQG15HS47NJ02D	47	5%	8	100	1000	0.72	200	.14	.10	.085	.068	.059	10000	.025
LQG15HS56NJ02D	LQG15HS56NJ02D	56	5%	8	100	800	0.82	200	.14	.10	.085	.068	.059	10000	.025
LQG15HS68NJ02D	LQG15HS68NJ02D	68	5%	8	100	800	0.92	180	.14	.10	.085	.068	.059	10000	.025
LQG15HS82NJ02D	LQG15HS82NJ02D	82	5%	8	100	700	1.2	150	.15	.11	.093	.074	.065	10000	.028
LQG15HSR10J02D	LQG15HSR10J02D	0.1uH	5%	8	100	600	1.25	150	.15	.11	.093	.074	.065	10000	.028
LQG15HSR12J02D	LQG15HSR12J02D	0.12uH	5%	8	100	600	1.3	150	.15	.11	.093	.074	.065	10000	.028
LQG15HSR15J02D	LQG15HSR15J02D	0.15uH	5%	8	100	550	2.99	140	.16	.12	.098	.078	.068	10000	.029
LQG15HSR18J02D	LQG15HSR18J02D	0.18uH	5%	8	100	500	3.38	130	.16	.12	.098	.078	.068	10000	.029
LQG15HSR22J02D	LQG15HSR22J02D	0.22uH	5%	8	100	450	3.77	120	.16	.12	.098	.078	.068	10000	.029
LQG15HSR27J02D	LQG15HSR27J02D	0.27uH	5%	8	100	400	4.94	110	.16	.12	.098	.078	.068	10000	.029

LQG18H SERIES HIGH FREQUENCY MULTILAYER TYPE AIR CORE COIL

The LQG18H series is designed to realize stable characteristics in high frequency range applying integrated multilayer process. Small size of LQG18H (1.6x0.8x0.8mm) is suitable for small, handheld equipment, especially for card size equipment.

DIMENSIONS: mm



For quantities of 8,000 and up, call for q

0603 Case Size

MOUSER STOCK NO.	Murata Part No.	L (nH)	Tol. ±	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	Rdc. Max. (Ω)	Rated Current (mA)	Price Each 1	50	100	500	1000	Reel Qty.	Pr P Pie
81-LQG18HN1N2S00	LQG18HN1N2S00D	1.2	0.3nH	12	100	6000	0.1	300	.22	.19	.17	.12	.09	4000	.0
81-LQG11A1N5S00	LQG18HN1N5S00D	1.5	0.3nH	12	100	6000	0.1	300	.22	.19	.17	.12	.09	4000	.0
81-LQG11A2N2S00	LQG18HN2N2S00D	2.2	0.3nH	12	100	6000	0.1	300	.22	.19	.17	.12	.09	4000	.0
81-LQG11A2N7S00	LQG18HN2N7S00D	2.7	0.3nH	12	100	6000	0.15	300	.22	.19	.17	.12	.09	4000	.0
81-LQG11A3N3S00	LQG18HN3N3S00D	3.3	0.3nH	12	100	6000	0.15	300	.22	.19	.17	.12	.09	4000	.0
81-LQG11A3N9S00	LQG18HN3N9S00D	3.9	0.3nH	12	100	6000	0.15	300	.22	.19	.17	.12	.09	4000	.0
81-LQG11A4N7S00	LQG18HN4N7S00D	4.7	0.3nH	12	100	6000	0.2	300	.22	.19	.17	.12	.09	4000	.0
81-LQG18HN6N8J00D	LQG18HN6N8J00D	6.8	5%	12	100	5000	0.25	300	.22	.19	.17	.12	.09	4000	.0
81-LQG11A10NJ00	LQG18HN10NJ00D	10	5%	12	100	3500	0.3	300	.22	.19	.17	.12	.09	4000	.0
81-LQG11A12NJ00	LQG18HN12NJ00D	12	5%	12	100	3000	0.35	300	.22	.19	.17	.12	.09	4000	.0
81-LQG11A15NJ00	LQG18HN15NJ00D	15	5%	12	100	2800	0.4	300	.22	.19	.17	.12	.09	4000	.0
81-LQG18HN22NJ00	LQG18HN22NJ00D	22	5%	12	100	2300	0.5	300	.22	.19	.17	.12	.09	4000	.0
81-LQG11A33NJ00	LQG18HN33NJ00D	33	5%	12	100	1700	0.6	300	.22	.19	.17	.12	.09	4000	.0

LQM21D SERIES MULTILAYER TYPE FOR CHOKE FERRITE CORE

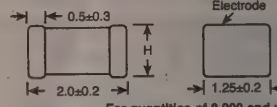
The LQM21D series consists of magnetically shielded chip inductors. It has less than half the DC resistance of our conventional monolithic chip inductors as well as high inductance.

Features:

- Very low DC resistance
- Magnetically shielded structure provides excellent crosstalk characteristics

Inductance	Dimension of H
1.0 to 10μH	0.85±0.2
22 to 47μH	1.25±0.2

DIMENSIONS: mm



For quantities of 8,000 and up, call for q

0805 Case Size

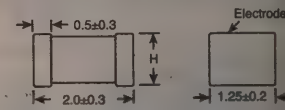
MOUSER STOCK NO.	Murata Part No.	L (uH)	Tol. ±	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	Rdc. Max. (Ω)	Rated Current (mA)	Price Each 1	50	100	500	1000	Reel Qty.	Pr P Pi
81-LQG21C1R0N00	LQM21DN1R0N00D	1.0	30%	-	-	75	0.1	60	.28	.26	.21	.15	.12	4000	.0
81-LQG21C2R2N00	LQM21DN2R2N00D	2.2	30%	-	-	50	0.17	40	.28	.26	.21	.15	.12	4000	.0
81-LQG21C4R7N00	LQM21DN4R7N00D	4.7	30%	-	-	35	0.3	30	.28	.26	.21	.15	.12	4000	.0
81-LQG21C100N00	LQM21DN100N00D	10	30%	-	-	24	0.5	15	.28	.26	.21	.15	.12	4000	.0
81-LQG21C220N00	LQM21DN220N00L	22	30%	-	-	16	0.65	13	.28	.26	.21	.15	.12	4000	.0
81-LQG21C470N00	LQM21DN470N00L	47	30%	-	-	7.5	1.2	7	.28	.26	.21	.15	.12	4000	.0

LQM21N SERIES GENERAL USE MULTILAYER TYPE FOR RESONANT CIRCUIT FERRITE CORE

The LQM21N series consists of magnetically shielded chip inductors developed using Murata's original multilayer process technology and magnetic materials. The miniature size of 2.0x1.25mm enables compact design of electric equipment.

Inductance	Dimension of H
1.0 to 2.2μH	0.85±0.2
2.7 to 4.7μH	1.25±0.2

DIMENSIONS: mm



For quantities of 8,000 and up, call for

0805 Case Size

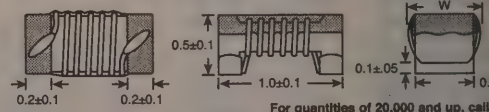
MOUSER STOCK NO.	Murata Part No.	L (uH)	Tol. ±	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	Rdc. Max. (Ω)	Rated Current (mA)	Price Each 1	50	100	500	1000	Reel Qty.	Pr P Pi
81-LQG21NR10K10	LQM21NNR10K10D	0.1	10%	20	25	340	0.26	250	.24	.21	.18	.13	.10	4000	.0
81-LQG21NR15K10	LQM21NNR15K10D	0.15	10%	20	25	270	0.32	250	.24	.21	.18	.13	.10	4000	.0
81-LQG21NR22K10	LQM21NNR22K10D	0.22	10%	20	25	220	0.38	250	.24	.21	.18	.13	.10	4000	.0
81-LQG21NR39K10	LQM21NNR39K10D	0.39	10%	25	25	165	0.53	200	.24	.21	.18	.13	.10	4000	.0
81-LQG21NR47K10	LQM21NNR47K10D	0.47	10%	25	25	150	0.57	200	.24	.21	.18	.13	.10	4000	.0
81-LQG21NR56K10	LQM21NNR56K10D	0.56	10%	25	25	140	0.63	150	.24	.21	.18	.13	.10	4000	.0
81-LQG21NR82K10	LQM21NNR82K10D	0.82	10%	25	25	115	0.81	150	.26	.24	.20	.14	.11	4000	.0
81-LQG21N1R0K10	LQM21NN1R0K10D	1	10%	45	10	107	0.4	50	.26	.24	.20	.14	.11	4000	.0
81-LQG21N1R2K10	LQM21NN1R2K10D	1.2	10%	45	10	97	0.47	50	.26	.24	.20	.14	.11	4000	.0
81-LQG21N1R5K10	LQM21NN1R5K10D	1.5	10%	45	10	87	0.5	50	.26	.24	.20	.14	.11	4000	.0
81-LQG21N2R2K10	LQM21NN2R2K10D	2.2	10%	45	10	71	0.63	30	.26	.24	.20	.14	.11	4000	.0
81-LQG21N2R7K10	LQM21NN2R7K10L	2.7	10%	45	10	66	0.69	30	.29	.27	.25	.19	.16	4000	.0
81-LQG21N3R3K10	LQM21NN3R3K10L	3.3	10%	45	10	59	0.8	30	.29	.27	.25	.19	.16	4000	.0
81-LQG21N4R7K10	LQM21NN4R7K10L	4.7	10%	45	10	47	1	30	.29	.27	.25	.19	.16	4000	.0

LQW15A SERIES HIGH FREQUENCY WINDING TYPE AIR CORE COIL

The LQW 15A series consists of air core chip coil using a miniature alumina core. The LQW15A series has a high Q value in high frequency range and high self resonant frequency.

Inductance (nH)	Dimension of W
1.5-22, 100, 120	0.6±0.1
24-82	0.5±0.1

DIMENSIONS: mm



For quantities of 20,000 and up, call for

0402 Case Size

MOUSER STOCK NO.	Murata Part No.	L (nH)	Tol. ±	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	Rdc. Max. (Ω)	Rated Current (mA)	Price Each 1	50	100	500	1000	Reel Qty.	P P
81-LQW15AN1N5D00D	LQW15AN1N5D00D	1.5	0.5 nH	10	100	18	0.03	1000	.47	.42	.36	.32	.23	10000	
81-LQW15AN2N7D00D	LQW15AN2N7D00D	2.7	0.5 nH	20	100	15	0.05	850	.47	.42	.36	.32	.23	10000	
81-LQW15AN4N3C00D	LQW15AN4N3C00D	4.3	0.2 nH	25	100	10	0.07	750	.47	.42	.36	.32	.23	10000	
81-LQW15AN4N7C00D	LQW15AN4N7C00D	4.7	4.7 nH	25	100	8	0.07	750	.47	.42	.36	.32	.23	10000	
81-LQW15AN5N1D00D	LQW15AN5N1D00D	5.1	0.5 nH	25	100	8	0.12	600	.47	.42	.36	.32	.23	10000	
81-LQW15AN6N2D00D	LQW15AN6N2D00D	6.2	0.5 nH	25	100	8	0.09	700	.47	.42	.36	.32	.23	10000	
81-LQW15AN6N8J00D	LQW15AN6N8J00D	6.8	5%	25	100	6	0.09	700	.47	.42	.36	.32	.23	10000	
81-LQW15AN7N5J00D	LQW15AN7N5J00D	7.5	5%	25	100	6	0.13	570	.47	.42	.36	.32	.23	10000	
81-LQW15AN9N1J00D	LQW15AN9N1J00D	9.1	5%	25	100	5.5	0.14	540	.47	.42	.36	.32	.23	10000	
81-LQW15AN10NJ00D	LQW15AN10NJ00D	10	5%	25	100	5.5	0.17	500	.47	.42	.36	.32	.23	10000	
81-LQW15AN12NJ00D	LQW15AN12NJ00D	12	5%	30	100	5.5	0.14	500	.47	.42	.36	.32	.23	10000	
81-LQW15AN15NJ00D	LQW15AN15NJ00D	15	5%	30	100	5	0.16	460	.47	.42	.36	.32	.23	10000	
81-LQW15AN18NJ00D	LQW15AN18NJ00D	18	5%	25	100	4.5	0.27	370	.47	.42	.36	.32	.23	10000	
81-LQW15AN22NJ00D	LQW15AN22NJ00D	22	5%	25	100	4	0.3	310	.47	.42	.36	.32	.23	10000	
81-LQW15AN27NJ00D	LQW15AN27NJ00D	27	5%	25	100	3.5	0.52	280	.47	.42	.36	.32	.23	10000	
81-LQW15AN33NJ00D	LQW15AN33NJ00D	33	5%	25	100	3.2	0.63	260	.47	.42	.36	.32	.23	10000	
81-LQW15AN39NJ00D	LQW15AN39NJ00D	39	5%	25	100	3	0.7	250	.47	.42	.36	.32	.23	10000	
81-LQW15AN47NJ00D	LQW15AN47NJ00D	47	5%	25	100	2.9	1.08	210	.47	.42	.36	.32	.23	10000	
81-LQW15AN56NJ00D	LQW15AN56NJ00D	56	5%	25	100	2.8	1.17	200	.47	.42	.36	.32	.23	10000	
81-LQW15AN68NJ00D	LQW15AN68NJ00D	68	5%	20	100	2.5	1.96	140	.47	.42	.36	.32	.23	10000	

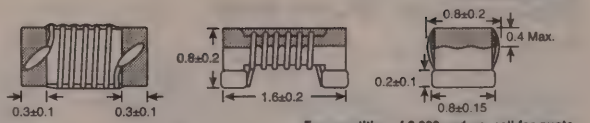
muRata
Innovator in Electronics

W18A SERIES HIGH FREQUENCY WINDING TYPE AIR CORE COIL

ures:

- rontal winding structure enables tight inductance tolerance
- subminiature dimensions allow high density mounting
- high self resonant frequency realizes high Q value and stable ctance at high frequency

DIMENSIONS: mm



Case Size

For quantities of 8,000 and up, call for quote.

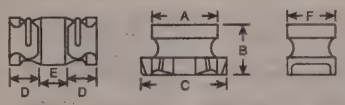
MOUSER STOCK NO.	Murata Part No.	L (nH)	Tol. ±	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	Rdc. Max. (Ω)	Rated Current (mA)	Price Each 1	50	100	500	1000	Reel Qty.	Price Per Piece
QW18AN2N2D00D	LQW18AN2N2D00D	2.2	0.5nH	16	250	6000	0.049	700	.44	.39	.36	.20	.13	4000	.09
QW18AN3N9C00D	LQW18AN3N9C00D	3.9	0.2nH	35	250	6000	0.059	850	.45	.40	.36	.21	.14	4000	.10
QW18AN4N7D00D	LQW18AN4N7D00D	4.7	0.5nH	35	100	6000	0.059	850	.44	.39	.36	.20	.13	4000	.09
QW18AN5N6C00D	LQW18AN5N6C00D	5.6	0.2nH	35	250	6000	0.082	750	.45	.40	.36	.21	.14	4000	.10
QW18AN8N2D00D	LQW18AN8N2D00D	8.2	0.5nH	35	250	6000	0.11	650	.44	.39	.36	.20	.13	4000	.09
QW18AN10NG00D	LQW18AN10NG00D	10	2%	35	250	6000	0.11	650	.45	.40	.36	.21	.14	4000	.10
QW18AN12NG00D	LQW18AN12NG00D	12	2%	35	250	6000	0.13	600	.45	.40	.36	.21	.14	4000	.10
QW18AN15NG00D	LQW18AN15NG00D	15	2%	40	250	6000	0.13	600	.45	.40	.36	.21	.14	4000	.10
QW18AN18NG00D	LQW18AN18NG00D	18	2%	40	250	5500	0.16	550	.45	.40	.36	.21	.14	4000	.10
QW18AN22NG00D	LQW18AN22NG00D	22	2%	40	250	4600	0.17	500	.45	.40	.36	.21	.14	4000	.10
QW18AN27NG00D	LQW18AN27NG00D	27	2%	40	250	3700	0.21	440	.45	.40	.36	.21	.14	4000	.10
QW18AN33NG00D	LQW18AN33NG00D	33	2%	40	250	3200	0.23	420	.45	.40	.36	.21	.14	4000	.10
QW18AN39NJ00D	LQW18AN39NJ00D	39	5%	40	250	2800	0.26	400	.44	.39	.36	.20	.13	4000	.09
QW18AN47NG00D	LQW18AN47NG00D	47	2%	38	200	2600	0.29	380	.45	.40	.36	.21	.14	4000	.10
QW18AN56NJ00D	LQW18AN56NJ00D	56	5%	38	200	2400	0.35	360	.44	.39	.36	.20	.13	4000	.09
QW18AN68NJ00D	LQW18AN68NJ00D	68	5%	38	200	2200	0.38	340	.44	.39	.36	.20	.13	4000	.09
QW18ANR10G00D	LQW18ANR10G00D	100	2%	34	150	1800	0.68	220	.45	.40	.36	.21	.14	4000	.10
QW18ANR15G00D	LQW18ANR15G00D	150	2%	32	150	1400	1.5	160	.45	.40	.36	.21	.14	4000	.10
QW18ANR22J00	LQW18ANR22J00D	220	5%	25	100	1200	2.5	120	.44	.39	.36	.20	.13	4000	.09
QW18ANR27J00D	LQW18ANR27J00D	270	5%	30	100	960	3.4	110	.45	.40	.36	.21	.14	4000	.10
QW18ANR33J00D	LQW18ANR33J00D	330	5%	30	100	800	5.5	85	.45	.40	.36	.21	.14	4000	.10
QW18ANR39J00D	LQW18ANR39J00D	390	5%	30	100	800	6.2	80	.45	.40	.36	.21	.14	4000	.10
QW18ANR47J00D	LQW18ANR47J00D	470	5%	30	100	700	7.0	75	.45	.40	.36	.21	.14	4000	.10

H31C32C/43C SERIES CHOKE WINDING TYPE FERRITE CORE

QH31C series consists of miniature chip inductors w DC resistance, high current capacity, and high ance characteristics. It is suitable for use as choke n DC power supply circuits.

DIMENSIONS: mm

Series	A	B	C	D	E	F
LQH31CN	2.3±0.2	1.8±0.2	3.2±0.3	0.7 Min.	0.7 Min.	1.6±0.2
LQH32CN	2.5±0.2	2.0±0.2	3.2±0.3	0.9±0.3	1.3±0.2	2.5±0.2
LQH43CN	3.6±0.2	2.6±0.2	4.5±0.3	1.0 Min.	1.0 Min.	3.2±0.2



For quantities greater than listed, call for quote.

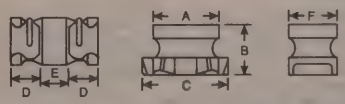
MOUSER STOCK NO.	Murata Part No.	Case Size	L (uH)	Tol. ±	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	Rdc. Max. (Ω)	Rated Current (mA)	Price Each 1	50	100	500	Reel Qty.	Price Per Piece
LQH31CN1R0M03L	LQH31CN1R0M03L	1206	1	20%	-	-	100	0.28	510	1.11	1.01	.85	.59	2000	.30
LQH31CN2R2M03L	LQH31CN2R2M03L	1206	2.2	20%	-	-	50	0.41	430	1.11	1.01	.85	.59	2000	.30
LQH31CN4R7M03L	LQH31CN4R7M03L	1206	4.7	20%	-	-	31	0.65	340	1.11	1.01	.85	.59	2000	.30
LQH31CN100K03L	LQH31CN100K03L	1206	10	10%	-	-	20	1.3	230	1.11	1.01	.85	.59	2000	.30
LQH31CN470K03L	LQH31CN470K03L	1206	47	10%	-	-	10	8	100	1.11	1.01	.85	.59	2000	.30
LQH31CN101K03L	LQH31CN101K03L	1206	100	10%	-	-	7	12	80	1.11	1.01	.85	.59	2000	.30
LQH32CN1R0M23L	LQH32CN1R0M23L	1210	1	20%	-	-	96	0.09	800	.41	.36	.32	.22	2000	.11
LQH32CN2R2M23L	LQH32CN2R2M23L	1210	2.2	20%	-	-	64	0.13	600	.41	.36	.32	.22	2000	.11
LQH32CN4R7M23L	LQH32CN4R7M23L	1210	4.7	20%	-	-	43	0.2	450	.41	.36	.32	.22	2000	.11
LQH32CN100K23L	LQH32CN100K23L	1210	10	10%	-	-	26	0.44	300	.41	.36	.32	.22	2000	.11
LQH32CN470K23L	LQH32CN470K23L	1210	47	10%	-	-	15	1.3	170	.41	.36	.32	.22	2000	.11
LQH32CN101K23L	LQH32CN101K23L	1210	100	10%	-	-	10	3.5	100	.41	.36	.32	.22	2000	.11
LQH43CN1R0M03L	LQH43CN1R0M03L	1812	1	20%	-	-	100	0.08	1080	.57	.43	.31	-	500	.18
LQH43CN2R2M03L	LQH43CN2R2M03L	1812	2.2	20%	-	-	60	0.11	900	.57	.43	.31	-	500	.18
LQH43CN4R7M03L	LQH43CN4R7M03L	1812	4.7	20%	-	-	35	0.15	750	.57	.43	.31	-	500	.18
LQH43CN100K03L	LQH43CN100K03L	1812	10	10%	-	-	23	0.24	650	.57	.43	.31	-	500	.18
LQH43CN330K03L	LQH43CN330K03L	1812	33	10%	-	-	12	1	310	.57	.43	.31	-	500	.18
LQH43CN470K03L	LQH43CN470K03L	1812	47	10%	-	-	10	1.1	280	.57	.43	.31	-	500	.18
LQH43CN101K03L	LQH43CN101K03L	1812	100	10%	-	-	6.8	2.2	190	.60	.45	.33	-	500	.19
LQH43CN471K03L	LQH43CN471K03L	1812	470	10%	-	-	3	8.5	90	.60	.45	.33	-	500	.19

H31M/32M/43M SERIES GENERAL USE WINDING TYPE FERRITE CORE

QH31M series consists of winding hip coils using Murata's original core and auto winding technology.

DIMENSIONS: mm

Series	A	B	C	D	E	F
LQH31MN	2.3±0.2	1.8±0.2	3.2±0.3	0.7 Min.	0.7 Min.	1.6±0.2
LQH32MN	2.5±0.2	2.0±0.2	3.2±0.3	0.9±0.3	1.3±0.2	2.5±0.2
LQH43MN	3.6±0.2	2.6±0.2	4.5±0.3	1.0 Min.	1.0 Min.	3.2±0.2



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	L (uH)	Tol. ±	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	Rdc. Max. (Ω)	Rated Current (mA)	Price Each 1	50	100	500	Reel Qty.	Price Per Piece
LQH31MN1R0M03L	LQH31MN1R0M03L	1206	1	20%						1.11	1.01	.85	.59	2000	.30
LQH31MN4R7K03L	LQH31MN4R7K03L	1206	4.7	10%	35	8	31	1.7	120	1.11	1.01	.85	.59	2000	.30
LQH31MN100K03L	LQH31MN100K03L	1206	10	10%	35	5	20	2.5	100	1.11	1.01	.85	.59	2000	.30
LQH31MN470K03L	LQH31MN470K03L	1206	47	10%	40	2.5	10	8	55	1.11	1.01	.85	.59	2000	.30
LQH31MN101K03L	LQH31MN101K03L	1206	100	10%	40	2.5	7	12	45	1.11	1.01	.85	.59	2000	.30
LQH32MN1R0M23L	LQH32MN1R0M23L	1210	1	20%	20	1	100	0.5	445	.41	.36	.32	.22	2000	.11
LQH32MN2R2K23L	LQH32MN2R2K23L	1210	2.2	10%	20	1	50	0.8	370	.41	.36	.32	.22	2000	.11
LQH32MN4R7K23L	LQH32MN4R7K23L	1210	4.7	10%	20	1	31	1.2	270	.41	.36	.32	.22	2000	.11
LQH32MN6R8K23L	LQH32MN6R8K23L	1210	6.8	10%	20	1	25	1.5	240	.41	.36	.32	.22	2000	.11
LQH32MN100J23L	LQH32MN100J23L	1210	10	5%	35	1	20	1.8	190	.41	.36	.32	.22	2000	.11
LQH32MN220J23L	LQH32MN220J23L	1210	22	5%	35	1	14	2.8	150	.41	.36	.32	.22	2000	.11
LQH32MN470J23L	LQH32MN470J23L	1210	47	5%	40	1	11	4.3	100	.41	.36	.32	.22	2000	.11
LQH32MN101J23L	LQH32MN101J23L	1210	100	5%	40	796kHz	8	7	80	.41	.36	.32	.22	2000	.11
LQH43MN1R0M03L	LQH43MN1R0M03L	1812	1	20%	20	1	120	0.2	500	.75	.56	.41	-	500	.24
LQH43MN4R7K03L	LQH43MN4R7K03L	1812	4.7	10%	30	1	38	0.4	500	.75	.56	.41	-	500	.24
LQH43MN100K03L	LQH43MN100K03L	1812	10	10%	35	1	23	0.56	400	.64	.47	.35	-	500	.20
LQH43MN270J03L	LQH43MN270J03L	1812	27	5%	35	1	14	1.1	300	.67	.49	.36	-	500	.21
LQH43MN470J03L	LQH43MN470J03L	1812	47	5%	35	1	10	1.5	220	.67	.49	.36	-	500	.21
LQH43MN101J03L	LQH43MN101J03L	1812	100	5%	40	796kHz	6.8	2.5	160	.67	.49	.36	-	500	.21

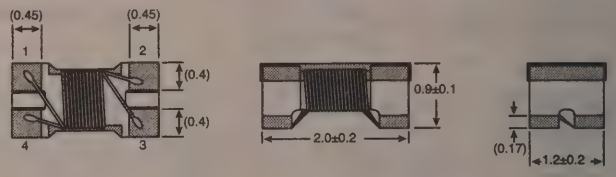
MURATA SMD Common Mode Choke Coils

muRata
Innovator in Electro

DLW21H SERIES - WOUND TYPE

DIMENSIONS: In (mm

Features:
- Small size and low profile (2.0x1.2x0.9mm). Excellent noise suppression.
- High common mode impedance at high frequency effects excellent noise suppression performance.
- Various common mode impedance from 67 to 180 ohm can be selected depending on noise level and signal frequency.
- Small dimension enables higher density mounting
- Suitable for differential signal line like USB2.0, IEEE1394 and LVDS, because DLW21H does not provide distortion to high speed signal transmission due to its high coupling. (USB2.0: DLW21HN900SQ2)
- Operating temperature: -40°C to +85°C



Applications:
- Common mode noise suppression of signal lines in high speed and high density digital equipment such as PC and peripherals and telecommunication equipment.

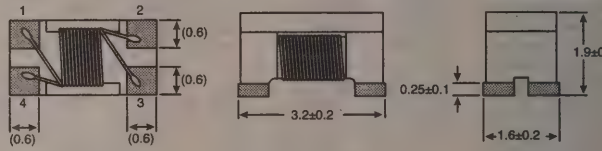
For quantities of 6000 and up, call for q

MOUSER STOCK NO.	Murata Part No.	Common Mode Imp @ 100 MHz	Rated Current	Rated Voltage (Vdc)	Insulation Resistance (min) Ω	Withstanding Voltage (Vdc)	DC Resistance (Ω) max	PBC	Price Each 1	50	100	500	Reel Qty.	Pric Pe Piec
81-DLW21HN670SQ2L	DLW21HN670SQ2L	67	330	50	10M	125	0.35	320	.66	.54	.38	.31	3000	.2
81-DLW21HN900SQ2L	DLW21HN900SQ2L	90	330	50	10M	125	0.35	320	.66	.54	.38	.31	3000	.2
81-DLW21HN121SQ2L	DLW21HN121SQ2L	120	280	50	10M	125	0.45	320	.66	.54	.38	.31	3000	.2
81-DLW21HN181SQ2L	DLW21HN181SQ2L	180	250	50	10M	125	0.5	320	.66	.54	.38	.31	3000	.2

DLW31S SERIES - WOUND TYPE

DIMENSIONS: In (mm

Features:
- Small size and low profile. 3.2x1.6x1.9mm.
- High common mode impedance at high frequency effects excellent noise suppression performance.
- Various common mode impedance items of 90 to 2200 ohm can be used, considering noise level and signal frequency.
- Operating temperature: -40°C to +85°C
- Enables noise suppression for differential signal line without distortion in high speed signal transmission due to its high coupling.
- Small dimension enables higher density packaging.



Applications:
- USB lines of PC, peripheral equipment
- LVDS lines of Note-PC, LCD

For quantities of 4000 and up, call for q

81-DLW31SN222SQ2L	DLW31SN222SQ2L	2200	200	50	10M	125	1.2	317	1.20	.97	.71	.56	2000	.4
81-DLW31SN102SQ2L	DLW31SN102SQ2L	1000	230	50	10M	125	1	317	1.20	.97	.71	.56	2000	.4
81-DLW31SN601SQ2L	DLW31SN601SQ2L	600	260	50	10M	125	0.8	317	1.20	.97	.71	.56	2000	.4
81-DLW31SN900SQ2L	DLW31SN900SQ2L	90	370	50	10M	125	0.3	317	1.20	.97	.71	.56	2000	.4

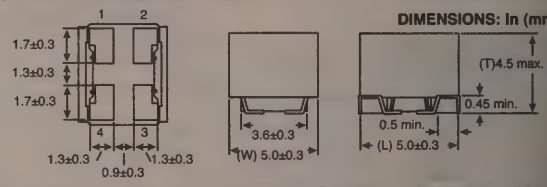
DLW5BS SERIES - WOUND TYPE

DIMENSIONS: In (mm

The DLW5BS series is a high performance wound type chip common mode choke coil.

Features:
- High impedance enables great noise suppression.
- Large rated current (max. of 5A) is suitable for power line use.
- DLW5BS series does not damage high speed signal due to high coupling common mode choke coil structure.
- Automatic mounting can be applied.
- Operating temperature: -40°C to +85°C

Applications:
- DC power lines in AC adapter of portable equipment
- DC power lines of DC/DC converter, battery charger



For quantities of 800 and up, call for q

MOUSER STOCK NO.	Murata Part No.	Common Mode Imp @ 100 MHz	Rated Current	Rated Voltage (Vdc)	Insulation Resistance (min) Ω	Withstanding Voltage (Vdc)	DC Resistance (Ω) max	PBC	Price Each 1	10	25	100	Reel Qty.	Pric Pe Piec
81-DLW5BSN302SQ2L	DLW5BSN302SQ2L	3000	500	50	10M	125	0.3	336	1.88	1.79	1.55	1.09	400	.7
81-DLW5BSN152SQ2L	DLW5BSN152SQ2L	1500	1000	50	10M	125	0.1	336	1.88	1.79	1.55	1.09	400	.7
81-DLW5BSN102SQ2L	DLW5BSN102SQ2L	1000	1500	50	10M	125	0.06	336	1.88	1.79	1.55	1.09	400	.7
81-DLW5BSN351SQ2L	DLW5BSN351SQ2L	350	2000	50	10M	125	0.04	336	1.88	1.79	1.55	1.09	400	.7
81-DLW5BSN191SQ2L	DLW5BSN191SQ2L	190	5000	50	10M	125	0.02	336	2.44	2.34	2.01	1.42	400	.9

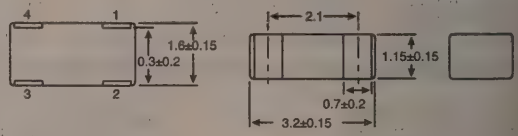
DLP31S SERIES - FILM TYPE

DIMENSIONS: In (m

DLP31S series is chip common mode choke coil that realizes high impedance in a small size with ferrite material technology and film processing technology. DLP31S series has excellent performance at high frequency range. It is suitable for differential signal line application.

Features:
- Small size, low profile.
- DLP31S suppresses high frequency noise that was unable to be suppressed with existing common mode choke coils. Suitable for differential signal line like USB, because DLP31S does not provide distortion to high speed signal transmission due to its high coupling (coupling coefficient:0.98 min.).
- Operating temperature: -40°C to +85°C

Applications:
- USB lines of PC, peripheral equipment
- LVDS lines of Note-PC, LCD
- USB lines of digital AV equipment such as digital cameras



For quantities of 6000 and up, call for q

MOUSER STOCK NO.	Murata Part No.	Common Mode Imp @ 100 MHz	Rated Current	Rated Voltage (Vdc)	Insulation Resistance (min) Ω	Withstanding Voltage (Vdc)	DC Resistance (Ω) max	PBC	Price Each 1	50	100	500	Reel Qty.	Pric Pe Piec
81-DLP31SN121SL2L	DLP31SN121SL2L	120	100	16	100M	40	2	320	1.63	1.32	.94	.76	3000	.6
81-PLP3216S551SL2	DLP31SN551SL2L	550	1000	16	100M	40	3.6	320	1.63	1.32	.94	.76	3000	.6

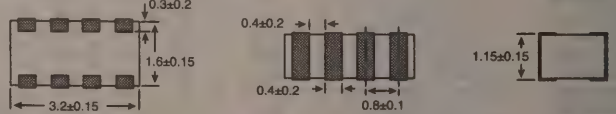
DLW5BS SERIES - WOUND TYPE

DIMENSIONS: In (m

DLP31D series is chip common mode choke coil array which realizes high coupling and high impedance in a small size with ferrite material technology and thin film processing technology.

Features:
- 2 components are included in 3.2x1.6mm
- Thin type 1.15mm
- The DLP31D can suppress common mode noise without damage to signal wave.
- Operating temperature: -40°C to +85°C

Applications:
Common mode noise suppression of high speed differential signal lines for USB, IEEE1394, LVDS.
- Main board of personal computer, note PC
- Printer, Scanner
- LCD monitor
- Game equipment
- PC peripheral equipment



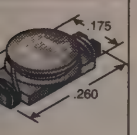
For quantities of 1000 and up, call for q

81-DLP31DN131ML4L	DLP31DN131ML4L	130	120	10	100M	25	1.6	320	1.63	1.32	.94	.76	3000	.6
81-DLP31DN201ML4L	DLP31DN201ML4L	200	100	10	100M	25	2.2	320	1.63	1.32	.94	.76	3000	.6
81-DLP31DN321ML4L	DLP31DN321ML4L	320	80	10	100M	25	3.5	320	1.63	1.32	.94	.76	3000	.6
81-DLP31DN441ML4L	DLP31DN441ML4L	440	70	10	100M	25	4.3	320	1.63	1.32	.94	.76	3000	.6
81-DLP31DN900ML4L	DLP31DN900ML4L	90	160	10	100M	25	1.1	320	1.63	1.32	.94	.76	3000	.6

PULSE SMT Power Inductors

Pulse
A TECHNITROL COMPANY

DIMENSIONS (IN.)



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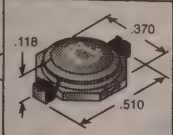
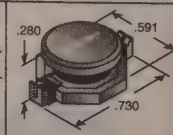


P0762



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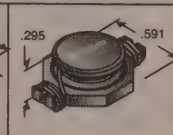

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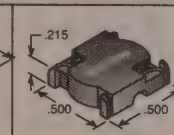
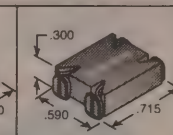


"Bobcat"

"Polecat"



"Tomcat"

ree:
able self-leads
energy storage and low DC resistance
for DC/DC conversion in notebook computers
ct Coilcraft replacement
's, step-up or step-down converters

fications:
rating Temperature: -40°C to +85°C

Cross Reference Chart	
Pulse Series	Coilcraft Series
P0770	DO1608
P0751	DO3316P
P0762	DO3308P
P0250	DO5022
P1252	DO5022HC

Pulse P0770 SERIES

For quantities of 5000 and up, call for quote.

SER STOCK NO.	Inductance (µH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr. Part No.			1	100	500	2500
-P0770.102T	1	2.9	1.00	.88	.75	.63
-P0770.152T	1.5	2.6	1.00	.88	.75	.63
-P0770.222T	2.2	2.3	1.00	.88	.75	.63
-P0770.332T	3.3	2	1.00	.88	.75	.63
-P0770.472T	4.7	1.5	1.00	.88	.75	.63
-P0770.682T	6.8	1.2	1.00	.88	.75	.63
-P0770.103T	10	1.1	1.00	.88	.75	.63
-P0770.153T	15	0.9	1.00	.88	.75	.63
-P0770.223T	22	0.7	1.00	.88	.75	.63
-P0770.333T	33	0.58	1.00	.88	.75	.63
-P0770.473T	47	0.5	1.00	.88	.75	.63
-P0770.683T	68	0.4	1.00	.88	.75	.63
-P0770.104T	100	0.31	1.00	.88	.75	.63
-P0770.154T	150	0.27	1.00	.88	.75	.63
-P0770.224T	220	0.22	1.00	.88	.75	.63

Pulse P0751 SERIES

For quantities of 1600 and up, call for quote.

SER STOCK NO.	Inductance (µH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr. Part No.			1	50	100	800
-P0751.102T	1	9	1.24	1.09	.93	.78
-P0751.152T	1.5	8	1.24	1.09	.93	.78
-P0751.222T	2.2	7	1.24	1.09	.93	.78
-P0751.332T	3.3	6.4	1.24	1.09	.93	.78
-P0751.472T	4.7	5.4	1.24	1.09	.93	.78
-P0751.682T	6.8	4.6	1.24	1.09	.93	.78
-P0751.103T	10	3.8	1.24	1.09	.93	.78
-P0751.153T	15	3	1.24	1.09	.93	.78
-P0751.223T	22	2.6	1.24	1.09	.93	.78
-P0751.333T	33	2	1.24	1.09	.93	.78
-P0751.473T	47	1.6	1.24	1.09	.93	.78
-P0751.683T	68	1.4	1.24	1.09	.93	.78

Pulse P0752 SERIES

For quantities of 1600 and up, call for quote.

SER STOCK NO.	Inductance (µH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr. Part No.			1	50	100	800
-P0752.104T	100	1.2	1.24	1.09	.93	.78
-P0752.154T	150	1	1.24	1.09	.93	.78
-P0752.224T	220	0.8	1.24	1.09	.93	.78
-P0752.334T	330	0.6	1.24	1.09	.93	.78
-P0752.474T	470	0.5	1.24	1.09	.93	.78
-P0752.684T	680	0.4	1.24	1.09	.93	.78
-P0752.105T	1000	0.3	1.24	1.09	.93	.78

Pulse P0762 SERIES

For quantities of 2000 and up, call for quote.

SER STOCK NO.	Inductance (µH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr. Part No.			1	50	100	1000
-P0762.103T	10	2.4	1.24	1.09	.93	.78
-P0762.153T	15	2	1.24	1.09	.93	.78
-P0762.223T	22	1.6	1.24	1.09	.93	.78
-P0762.333T	33	1.4	1.24	1.09	.93	.78
-P0762.473T	47	1	1.24	1.09	.93	.78
-P0762.683T	68	0.9	1.24	1.09	.93	.78
-P0762.104T	100	0.7	1.24	1.09	.93	.78
-P0762.154T	150	0.6	1.24	1.09	.93	.78
-P0762.224T	220	0.5	1.24	1.09	.93	.78
-P0762.334T	330	0.4	1.24	1.09	.93	.78
-P0762.474T	470	0.3	1.24	1.09	.93	.78
-P0762.684T	680	0.2	1.24	1.09	.93	.78
-P0762.105T	1000	0.1	1.24	1.09	.93	.78

Pulse P0250 SERIES

For quantities of 700 and up, call for quote.

MOUSER STOCK NO.	Inductance (µH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr. Mfr. Part No.			1	50	100	350
673—P0250.102T	1	20	1.56	1.37	1.17	.98
673—P0250.222T	2	16	1.56	1.37	1.17	.98
673—P0250.332T	3	14	1.56	1.37	1.17	.98
673—P0250.562T	5	12	1.56	1.37	1.17	.98
673—P0250.103T	9.5	10	1.56	1.37	1.17	.98
673—P0250.153T	13.5	8	1.56	1.37	1.17	.98
673—P0250.223T	20	7	1.56	1.37	1.17	.98
673—P0250.333T	30	5.5	1.56	1.37	1.17	.98
673—P0250.473T	43	4.5	1.56	1.37	1.17	.98
673—P0250.683T	62	3.5	1.56	1.37	1.17	.98
673—P0250.104T	95	3	1.56	1.37	1.17	.98
673—P0250.154T	135	2.6	1.56	1.37	1.17	.98
673—P0250.224T	200	2.4	1.56	1.37	1.17	.98
673—P0250.334T	300	1.9	1.56	1.37	1.17	.98
673—P0250.474T	430	1.4	1.56	1.37	1.17	.98
673—P0250.684T	620	1.2	1.56	1.37	1.17	.98
673—P0250.105T	950	1	1.56	1.37	1.17	.98

Pulse P1252 SERIES

For quantities of 600 and up, call for quote.

MOUSER STOCK NO.	Inductance (µH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr. Mfr. Part No.			1	50	100	300
673—P1252.781T	0.78	30	2.00	1.75	1.50	1.25
673—P1252.152T	1.5	25	2.00	1.75	1.50	1.25
673—P1252.222T	2.2	20	2.00	1.75	1.50	1.25
673—P1252.332T	3.3	17	2.00	1.75	1.50	1.25
673—P1252.392T	3.9	15	2.00	1.75	1.50	1.25
673—P1252.472T	4.7	13	2.00	1.75	1.50	1.25
673—P1252.602T	6	12	2.00	1.75	1.50	1.25
673—P1252.782T	7.8	11	2.00	1.75	1.50	1.25
673—P1252.103T	10	10	2.00	1.75	1.50	1.25

Pulse SMT TOROIDAL INDUCTORS

"Bobcat" Series Inductor

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	IDC (A)	LDC (µH)	Price Each			Reel Price Each
Mfr. Mfr. Part No.			1	50	100	500
673—P0144T	3.80	9.4	2.60	2.17	1.95	1.73
673—P0146T	2.43	23	2.66	2.22	2.00	1.77
673—P0147T	1.65	50	2.72	2.27	2.04	1.81
673—P0151T	0.81	200	2.91	2.42	2.18	1.94

"Polecat" Series, Dual Inductor

For quantities of 1200 and up, call for quote.

MOUSER STOCK NO.	IDC (A)		Ref. L @ DC LDC (µH)		DCR (mΩ) (max.)		Price Each			
Mfr. Mfr. Part No.	Parallel	Series	Parallel	Series	Parallel	Series	1	40	120	400
673—P0174	8.3	4.15	2	7.8	7.6	30.3	3.08	2.54	2.11	1.65
673—P0175	7.2	3.6	2.4	9.6	10.9	43.6	3.08	2.54	2.11	1.65
673—P0176	5.2	2.6	5	20	19	76	3.08	2.54	2.11	1.65
673—P0177	3.84	1.92	9.3	37.3	29.8	119	3.08	2.54	2.11	1.65
673—P0178	3.12	1.56	14.1	56.2	45.3	181	3.08	2.54	2.11	1.65
673—P0179	2.64	1.32	19.7	79	66.3	265	3.08	2.54	2.11	1.65
673—P0180	2.16	1.08	29.3	117.3	106	424	3.08	2.54	2.11	1.65
673—P0181	1.8	0.9	42.6	170.3	151	603	3.08	2.54	2.11	1.65
673—P0182	1.48	0.74	61.3	245.3	224	897	3.08	2.54	2.11	1.65
673—P0183	1.22	0.61	84.2	336.7	324	1295	3.08	2.54	2.11	1.65

"Tomcat" Series, Dual Inductor

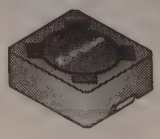
For quantities of 350 and up, call for quote.

MOUSER STOCK NO.	IDC (A)		Ref. L @ DC LDC (µH)		DCR (mΩ) (max.)		Price Each		
Mfr. Mfr. Part No.	Parallel	Series	Parallel	Series	Parallel	Series	1	35	140
673—P0395	14.4	7.2	1.5	6.1	4.41	17.6	1.84	1.42	1.19
673—P0396	11.2	5.6	2.4	9.7	6.54	26.2	1.84	1.42	1.19
673—P0397	8.2	4.1	4.2	17	10.47	41.9	1.84	1.42	1.19
673—P0398	6.8	3.4	5.8	23.1	14.94	59.7	1.84	1.42	1.19
673—P0399	5.7	2.85	7.6	30.6	20.99	84	1.84	1.42	1.19
673—P0400	5.4	2.7	12.1	48.5	23.24	93	1.84	1.42	1.19
673—P0401	4.4	2.2	18	72	38.15	152.6	1.96	1.61	1.34
673—P0402	3.54	1.77	27	108	53.21	212.8	1.96	1.61	1.34
673—P0403	3	1.5	34.8	139.1	73.89	295.6	1.96	1.61	1.34

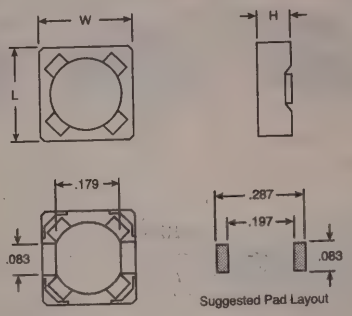
PULSE SMT Power Inductors, Shielded Drum Core

Pulse A TECHNITROL COMPANY

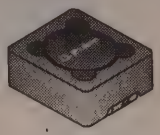
DIMENSIONS (IN.)



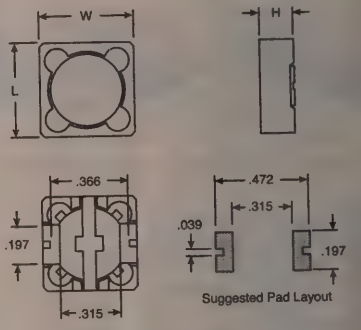
P1166, P1167



Suggested Pad Layout



P1168, P1169



Suggested Pad Layout

Pulse offers a complete range of power magnetics for DC-DC converter and switchmode designs. These magnetics include power inductors, power transformers, current sensors, gate drive transformers and common mode inductors.

Many parts are designed for low voltage, high current and high frequency applications. Pulse manufactures the broadest selection of packaging options from various through hole devices to the smallest available surface mount solution with a height of .071" (1.80mm).

∗ L/W/H is measured on surface mount parts tip to tip (height included wash area)

Features:

- Low profile and suitable for compact surface area mounting
- Large permissible DC current
- Low DC resistance

Pulse P1166 SERIES

∗ Size: L=.287", W=.287", H=.138"

For quantities of 2400 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Inductance (µH± 20%)	IPK (A)	Price Each 1	50	100	Reel Price Each 1200
673—P1166.103T	10	1.6	1.16	1.02	.87	.73
673—P1166.123T	12	1.5	1.16	1.02	.87	.73
673—P1166.153T	15	1.4	1.16	1.02	.87	.73
673—P1166.183T	18	1.2	1.16	1.02	.87	.73
673—P1166.223T	22	1.2	1.16	1.02	.87	.73
673—P1166.273T	27	1	1.16	1.02	.87	.73
673—P1166.333T	33	0.94	1.16	1.02	.87	.73
673—P1166.393T	39	0.86	1.16	1.02	.87	.73
673—P1166.473T	47	0.83	1.16	1.02	.87	.73
673—P1166.563T	56	0.73	1.16	1.02	.87	.73
673—P1166.683T	68	0.67	1.16	1.02	.87	.73
673—P1166.823T	82	0.6	1.16	1.02	.87	.73
673—P1166.104T	100	0.56	1.16	1.02	.87	.73
673—P1166.124T	120	0.53	1.16	1.02	.87	.73
673—P1166.184T	180	0.39	1.16	1.02	.87	.73
673—P1166.224T	220	0.35	1.16	1.02	.87	.73
673—P1166.274T	270	0.32	1.16	1.02	.87	.73
673—P1166.334T	330	0.31	1.16	1.02	.87	.73
673—P1166.394T	390	0.26	1.16	1.02	.87	.73
673—P1166.474T	470	0.25	1.16	1.02	.87	.73
673—P1166.564T	560	0.23	1.16	1.02	.87	.73
673—P1166.684T	680	0.2	1.16	1.02	.87	.73
673—P1166.824T	820	0.17	1.16	1.02	.87	.73

Pulse P1168 SERIES

∗ Size: L=.472", W=.472", H=.177"

For quantities of 1200 and up, call fo

MOUSER STOCK NO. / Mfr. Part No.	Inductance (µH± 20%)	IPK (A)	Price Each 1	50	100	R Price 6
673—P1168.103T	10	3.6	1.64	1.44	1.23	1
673—P1168.123T	12	3.5	1.64	1.44	1.23	1
673—P1168.153T	15	3.1	1.64	1.44	1.23	1
673—P1168.183T	18	2.8	1.64	1.44	1.23	1
673—P1168.223T	22	2.6	1.64	1.44	1.23	1
673—P1168.273T	27	2.4	1.64	1.44	1.23	1
673—P1168.333T	33	2.2	1.64	1.44	1.23	1
673—P1168.393T	39	1.9	1.64	1.44	1.23	1
673—P1168.473T	47	1.8	1.64	1.44	1.23	1
673—P1168.563T	56	1.7	1.64	1.44	1.23	1
673—P1168.683T	68	1.5	1.64	1.44	1.23	1
673—P1168.823T	82	1.4	1.64	1.44	1.23	1
673—P1168.104T	100	1.2	1.64	1.44	1.23	1
673—P1168.124T	120	1.1	1.64	1.44	1.23	1
673—P1168.154T	150	1	1.64	1.44	1.23	1
673—P1168.184T	180	0.9	1.64	1.44	1.23	1
673—P1168.224T	220	0.8	1.64	1.44	1.23	1
673—P1168.274T	270	0.7	1.64	1.44	1.23	1
673—P1168.334T	330	0.66	1.64	1.44	1.23	1
673—P1168.394T	390	0.62	1.64	1.44	1.23	1
673—P1168.474T	470	0.57	1.64	1.44	1.23	1
673—P1168.564T	560	0.53	1.64	1.44	1.23	1
673—P1168.684T	680	0.5	1.64	1.44	1.23	1
673—P1168.824T	820	0.44	1.64	1.44	1.23	1
673—P1168.105T	1000	0.4	1.64	1.44	1.23	1

Pulse P1167 SERIES

∗ Size: L=.287", W=.287", H=.177"

For quantities of 1800 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Inductance (µH± 20%)	IPK (A)	Price Each 1	50	100	Reel Price Each 900
673—P1167.103T	10	2	1.16	1.02	.87	.73
673—P1167.123T	12	1.9	1.16	1.02	.87	.73
673—P1167.153T	15	1.7	1.16	1.02	.87	.73
673—P1167.183T	18	1.5	1.16	1.02	.87	.73
673—P1167.223T	22	1.4	1.16	1.02	.87	.73
673—P1167.273T	27	1.2	1.16	1.02	.87	.73
673—P1167.333T	33	1.1	1.16	1.02	.87	.73
673—P1167.393T	39	1	1.16	1.02	.87	.73
673—P1167.473T	47	0.94	1.16	1.02	.87	.73
673—P1167.563T	56	0.86	1.16	1.02	.87	.73
673—P1167.683T	68	0.78	1.16	1.02	.87	.73
673—P1167.823T	82	0.7	1.16	1.02	.87	.73
673—P1167.104T	100	0.63	1.16	1.02	.87	.73
673—P1167.124T	120	0.57	2.10	1.02	.87	.73
673—P1167.154T	150	0.52	1.16	1.02	.87	.73
673—P1167.184T	180	0.47	1.16	1.02	.87	.73
673—P1167.224T	220	0.43	1.16	1.02	.87	.73
673—P1167.274T	270	0.39	1.16	1.02	.87	.73
673—P1167.334T	330	0.35	1.16	1.02	.87	.73
673—P1167.394T	390	0.32	1.16	1.02	.87	.73
673—P1167.474T	470	0.29	1.16	1.02	.87	.73
673—P1167.564T	560	0.26	1.16	1.02	.87	.73
673—P1167.684T	680	0.23	1.16	1.02	.87	.73
673—P1167.824T	820	0.21	1.16	1.02	.87	.73
673—P1167.105T	1000	0.19	1.16	1.02	.87	.73

Pulse P1169 SERIES

∗ Size: L=.472", W=.472", H=.177"

For quantities of 1200 and up, call

MOUSER STOCK NO. / Mfr. Part No.	Inductance (µH± 20%)	IPK (A)	Price Each 1	50	100	Pric
673—P1169.103T	10	3.6	1.64	1.44	1.23	
673—P1169.123T	12	3.5	1.64	1.44	1.23	
673—P1169.153T	15	3.1	1.64	1.44	1.23	
673—P1169.183T	18	2.8	1.64	1.44	1.23	
673—P1169.223T	22	2.6	1.64	1.44	1.23	
673—P1169.273T	27	2.4	1.64	1.44	1.23	
673—P1169.333T	33	2.2	1.64	1.44	1.23	
673—P1169.393T	39	1.9	1.64	1.44	1.23	
673—P1169.473T	47	1.8	1.64	1.44	1.23	
673—P1169.563T	56	1.7	1.64	1.44	1.23	
673—P1169.683T	68	1.5	1.64	1.44	1.23	
673—P1169.823T	82	1.4	1.64	1.44	1.23	
673—P1169.104T	100	1.2	1.64	1.44	1.23	
673—P1169.124T	120	1.1	1.64	1.44	1.23	
673—P1169.154T	150	1	1.64	1.44	1.23	
673—P1169.184T	180	0.9	1.64	1.44	1.23	
673—P1169.224T	220	0.8	1.64	1.44	1.23	
673—P1169.274T	270	0.7	1.64	1.44	1.23	
673—P1169.334T	330	0.66	1.64	1.44	1.23	
673—P1169.394T	390	0.62	1.64	1.44	1.23	
673—P1169.474T	470	0.57	1.64	1.44	1.23	
673—P1169.564T	560	0.53	1.64	1.44	1.23	
673—P1169.684T	680	0.5	1.64	1.44	1.23	
673—P1169.824T	820	0.44	1.64	1.44	1.23	
673—P1169.105T	1000	0.4	1.64	1.44	1.23	

IDA CDEP134 POWER INDUCTORS

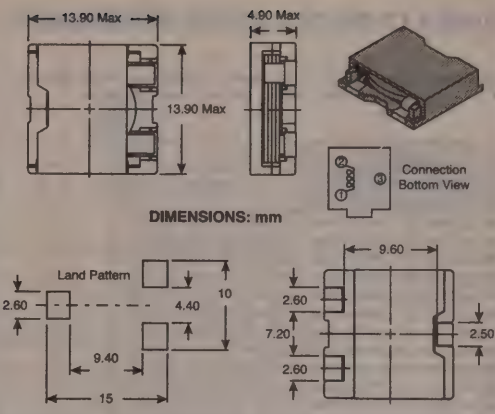
rent handling and low DCR are achieved in a small package with Flat Wire Technology.
lding is used to minimize crosstalk interference.

LEAD-FREE

Construction

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Inductance Tolerance	Price Each			
					1	10	100	500
DEP134NP0R3NC-H	CDEP134NP-0R3NC-H	0.3	18.5	±30%	4.72	4.23	3.20	2.79
DEP134NP-R6NC-H	CDEP134NP-0R6NC-H	0.66	17	±30%	4.72	4.29	3.20	2.39
DEP134NP-0R9MC	CDEP134NP-0R9MC	0.9	17	±20%	4.72	4.23	3.20	2.79
DEP134NP1R2MC-H	CDEP134NP-1R2MC-H	1.2	15	±20%	4.72	4.23	3.20	2.79
DEP134NP-1R6MC	CDEP134NP-1R6MC	1.6	15	±20%	4.72	4.29	3.20	2.39
DEP134NP-2R5MC	CDEP134NP-2R5MC	2.5	10.5	±20%	4.72	4.23	3.20	2.79
DEP134NP2R7MC-H	CDEP134NP-2R7MC-H	2.7	12	±20%	4.72	4.29	3.20	2.39
DEP134NP3R6MC-H	CDEP134NP-3R6MC-H	3.6	7.5	±20%	4.72	4.23	3.20	2.79
DEP134NP-4R8MC	CDEP134NP-4R8MC	4.8	7	±20%	4.72	4.29	3.20	2.39
DEP134NP6R0MC-H	CDEP134NP-6R0MC-H	6	6.5	±20%	4.72	4.23	3.20	2.79
DEP134NP-6R4MC	CDEP134NP-6R4MC	6.4	7	±20%	4.72	4.23	3.20	2.79
DEP134NP-8R0MC	CDEP134NP-8R0MC	8	6.5	±20%	4.72	4.23	3.20	2.79



IDA CDR7D28MN POWER INDUCTORS

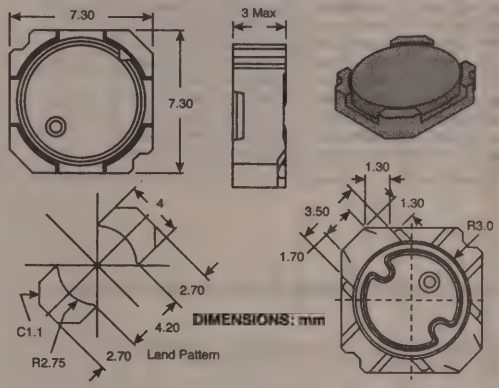
superposition characteristic is extended by making manganese zinc and nickel zinc
re into a hybrid as compared with the previous type.

LEAD-FREE

Construction

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
DR7D28MNNP1R2NC	CDR7D28MNNP-1R2NC	1.2	4.5	2.04	1.70	1.48	1.29
DR7D28MNNP2R0NC	CDR7D28MNNP-2R0NC	2	3.95	2.04	1.70	1.48	1.29
DR7D28MNNP3R6NC	CDR7D28MNNP-3R6NC	3.6	3.45	2.04	1.70	1.48	1.29
DR7D28MNNP4R6NC	CDR7D28MNNP-4R6NC	4.6	3.1	2.04	1.70	1.48	1.29
DR7D28MNNP6R8NC	CDR7D28MNNP-6R8NC	6.8	2.75	2.04	1.70	1.48	1.29
DR7D28MNNP8R0NC	CDR7D28MNNP-8R0NC	8	2.6	2.04	1.70	1.48	1.29
DR7D28MNNP100NC	CDR7D28MNNP-100NC	10	2.5	2.04	1.70	1.48	1.29
DR7D28MNNP150NC	CDR7D28MNNP-150NC	15	2	2.04	1.70	1.48	1.29
DR7D28MNNP220NC	CDR7D28MNNP-220NC	22	1.6	2.04	1.70	1.48	1.29
DR7D28MNNP330NC	CDR7D28MNNP-330NC	33	1.2	2.04	1.70	1.48	1.29



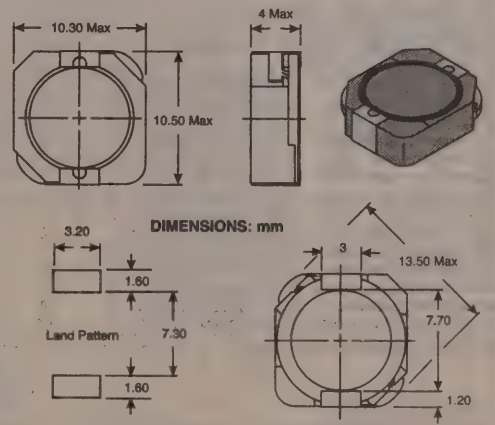
IDA CDRH104R POWER INDUCTORS

LEAD-FREE

Construction

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
DRH104RNP-1R5NC	CDRH104RNP-1R5NC	1.5	6.5	2.45	2.23	2.01	1.65
DRH104RNP-2R5NC	CDRH104RNP-2R5NC	2.5	6.1	2.45	2.23	2.01	1.65
DRH104RNP-3R8NC	CDRH104RNP-3R8NC	3.8	5.5	2.45	2.23	2.01	1.65
DRH104RNP-5R2NC	CDRH104RNP-5R2NC	5.2	5.4	2.45	2.23	2.01	1.65
DRH104RNP-7R0NC	CDRH104RNP-7R0NC	7	4.5	2.45	2.23	2.01	1.65
DRH104RNP-100NC	CDRH104RNP-100NC	10	3.8	2.45	2.23	2.01	1.65
DRH104RNP-150NC	CDRH104RNP-150NC	15	3.1	2.45	2.23	2.01	1.75
DRH104RNP-220NC	CDRH104RNP-220NC	22	2.5	2.45	2.23	2.01	1.65
DRH104RNP-330NC	CDRH104RNP-330NC	33	2.2	2.45	2.23	2.01	1.65
DRH104RNP-470NC	CDRH104RNP-470NC	47	1.9	2.45	2.23	2.01	1.65
DRH104RNP-680NC	CDRH104RNP-680NC	68	1.42	2.45	2.23	2.01	1.75
DRH104RNP-101NC	CDRH104RNP-101NC	100	1.25	2.45	2.23	2.01	1.65



IDA CDRH127 POWER INDUCTORS

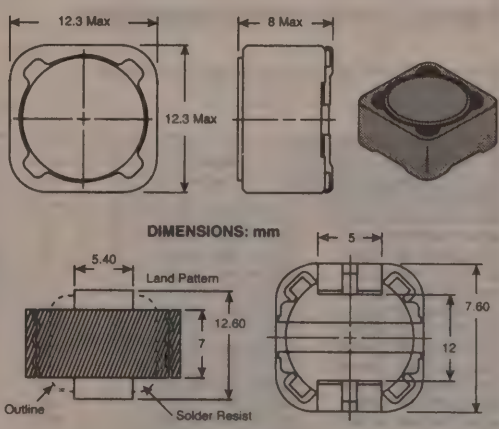
7 series are SMD power inductors with electrodes directly attached to the ferrite core.
ding is used to minimize crosstalk interference.

LEAD-FREE

Construction

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
DRH127NP-4R7NC	CDRH127NP-4R7NC	4.7	6.8	3.05	2.78	2.07	1.75
DRH127NP-6R1NC	CDRH127NP-6R1NC	6.1	6.6	3.05	2.78	2.07	1.75
DRH127NP-7R6NC	CDRH127NP-7R6NC	7.6	5.9	3.05	2.78	2.07	1.75
DRH127NP-100MC	CDRH127NP-100MC	10	5.4	3.05	2.78	2.07	1.75
DRH127NP-150MC	CDRH127NP-150MC	15	4.5	3.05	2.78	2.07	1.75
DRH127NP-220MC	CDRH127NP-220MC	22	3.6	3.05	2.78	2.07	1.75
DRH127NP-270MC	CDRH127NP-270MC	27	3.4	3.05	2.78	2.07	1.75
DRH127NP-330MC	CDRH127NP-330MC	33	3	3.05	2.78	2.07	1.75
DRH127NP-390MC	CDRH127NP-390MC	39	2.75	3.05	2.78	2.07	1.75
DRH127NP-470MC	CDRH127NP-470MC	47	2.5	3.05	2.78	2.07	1.75
DRH127NP-560MC	CDRH127NP-560MC	56	2.35	3.05	2.78	2.07	1.75
DRH127NP-680MC	CDRH127NP-680MC	68	2.1	3.05	2.78	2.07	1.75
DRH127NP-101MC	CDRH127NP-101MC	100	1.7	3.05	2.78	2.07	1.75
DRH127NP-102MC	CDRH127NP-102MC	1000	0.55	3.05	2.78	2.07	1.75



SUMIDA Power Inductors

SUMIDA CDRH127LD POWER INDUCTORS

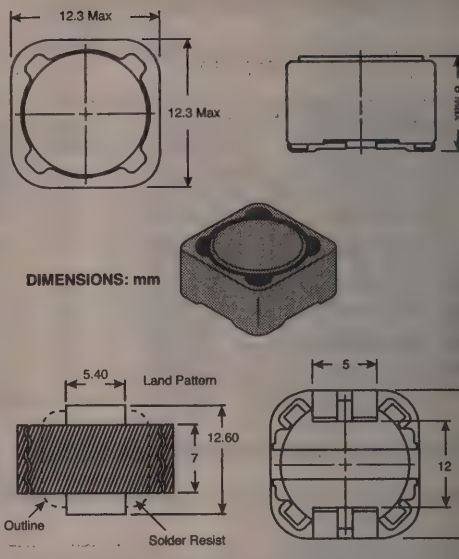
CDRH127/LD is a low DCR direct drop-in version of Sumida's most popular series, the CDRH127 series. EMI Shielding is used to minimize crosstalk interference.

LEAD-FREE

Construction

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH127LDNP2R4NC	CDRH127/LDNP-2R4NC	2.4	10.3	3.05	2.78	2.07	1.75
851-CDRH127LDNP3R5NC	CDRH127/LDNP-3R5NC	3.5	9.3	3.05	2.78	2.07	1.75
851-CDRH127LDNP100MC	CDRH127/LDNP-100MC	10	6.7	3.05	2.78	2.07	1.75
851-CDRH127LDNP120MC	CDRH127/LDNP-120MC	12	6.45	3.05	2.78	2.07	1.75
851-CDRH127LDNP150MC	CDRH127/LDNP-150MC	15	5.65	3.05	2.78	2.07	1.75
851-CDRH127LDNP180MC	CDRH127/LDNP-180MC	18	5.1	3.05	2.78	2.07	1.75
851-CDRH127LDNP220MC	CDRH127/LDNP-220MC	22	4.7	3.05	2.78	2.07	1.75
851-CDRH127LDNP270MC	CDRH127/LDNP-270MC	27	4.2	3.05	2.78	2.07	1.75
851-CDRH127LDNP330MC	CDRH127/LDNP-330MC	33	3.9	3.05	2.78	2.07	1.75
851-CDRH127LDNP390MC	CDRH127/LDNP-390MC	39	3.5	3.05	2.78	2.07	1.75
851-CDRH127LDNP470MC	CDRH127/LDNP-470MC	47	3.25	3.05	2.78	2.07	1.75
851-CDRH127LDNP560MC	CDRH127/LDNP-560MC	56	2.9	3.05	2.78	2.07	1.75
851-CDRH127LDNP680MC	CDRH127/LDNP-680MC	68	2.6	3.05	2.78	2.07	1.75
851-CDRH127LDNP820MC	CDRH127/LDNP-820MC	82	2.4	3.05	2.78	2.07	1.75
851-CDRH127LDNP101MC	CDRH127/LDNP-101MC	100	2.1	3.05	2.78	2.07	1.75
851-CDRH127LDNP151MC	CDRH127/LDNP-151MC	150	1.8	3.05	2.78	2.07	1.75
851-CDRH127LDNP221MC	CDRH127/LDNP-221MC	220	1.45	3.05	2.78	2.07	1.75
851-CDRH127LDNP331MC	CDRH127/LDNP-331MC	330	1.2	3.05	2.78	2.07	1.75
851-CDRH127LDNP471MC	CDRH127/LDNP-471MC	470	1	3.05	2.78	2.07	1.75
851-CDRH127LDNP681MC	CDRH127/LDNP-681MC	680	0.85	3.05	2.78	2.07	1.75
851-CDRH127LDNP102MC	CDRH127/LDNP-102MC	1000	0.7	3.05	2.78	2.07	1.75



SUMIDA CDRH6D28 POWER INDUCTORS

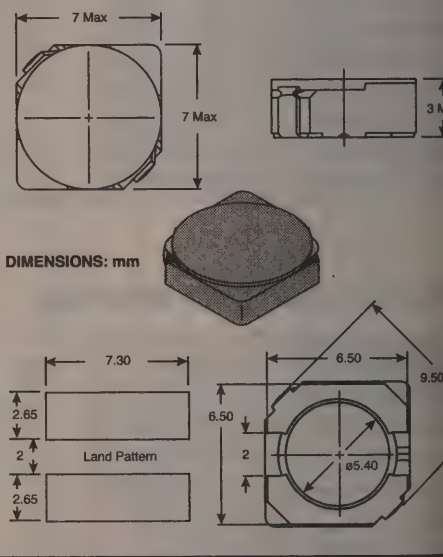
Low profile SMD power inductors with electrodes directly attached to the ferrite core. EMI Shielding is used to minimize crosstalk interference.

LEAD-FREE

Construction

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH6D28NP-3R0NC	CDRH6D28NP-3R0NC	3	3	1.10	1.00	.75	.60
851-CDRH6D28NP-3R9NC	CDRH6D28NP-3R9NC	3.9	2.6	1.10	1.00	.75	.69
851-CDRH6D28NP-5R0NC	CDRH6D28NP-5R0NC	5	2.4	1.10	1.00	.75	.60
851-CDRH6D28NP-6R0NC	CDRH6D28NP-6R0NC	6	2.25	1.10	1.00	.75	.60
851-CDRH6D28NP-7R3NC	CDRH6D28NP-7R3NC	7.3	2.1	1.10	1.00	.75	.60
851-CDRH6D28NP-100NC	CDRH6D28NP-100NC	10	1.7	1.10	1.00	.75	.60
851-CDRH6D28NP-150NC	CDRH6D28NP-150NC	15	1.4	1.10	1.00	.75	.60
851-CDRH6D28NP-180NC	CDRH6D28NP-180NC	18	1.32	1.10	1.00	.75	.60
851-CDRH6D28NP-220NC	CDRH6D28NP-220NC	22	1.2	1.10	1.00	.75	.60
851-CDRH6D28NP-270NC	CDRH6D28NP-270NC	27	1.05	1.10	1.00	.75	.60
851-CDRH6D28NP-330NC	CDRH6D28NP-330NC	33	0.97	1.10	1.00	.75	.60
851-CDRH6D28NP-470NC	CDRH6D28NP-470NC	47	0.8	1.10	1.00	.75	.60
851-CDRH6D28NP-680NC	CDRH6D28NP-680NC	68	0.65	1.10	1.00	.75	.69
851-CDRH6D28NP-101NC	CDRH6D28NP-101NC	100	0.54	1.10	1.00	.75	.60



SUMIDA CDRH74 POWER INDUCTORS

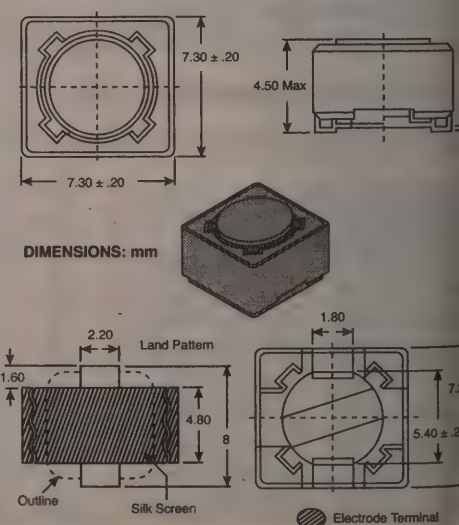
SMD power inductors with electrodes directly attached to the ferrite core. EMI Shielding is used to minimize crosstalk interference.

LEAD-FREE

Construction

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH74NP-100MC	CDRH74NP-100MC	10	1.84	1.49	1.36	1.01	.88
851-CDRH74NP-150MC	CDRH74NP-150MC	15	1.47	1.49	1.36	1.01	.88
851-CDRH74NP-180MC	CDRH74NP-180MC	18	1.31	1.49	1.36	1.01	.88
851-CDRH74NP-220MC	CDRH74NP-220MC	22	1.23	1.49	1.36	1.01	.88
851-CDRH74NP-270MC	CDRH74NP-270MC	27	1.12	1.49	1.36	1.01	.88
851-CDRH74NP-330MC	CDRH74NP-330MC	33	0.96	1.49	1.36	1.01	.88
851-CDRH74NP-470MC	CDRH74NP-470MC	47	0.88	1.49	1.36	1.01	.88
851-CDRH74NP-680MC	CDRH74NP-680MC	68	0.69	1.49	1.36	1.01	.88
851-CDRH74NP-101MC	CDRH74NP-101MC	100	0.6	1.49	1.36	1.01	.88
851-CDRH74NP-221MC	CDRH74NP-221MC	220	0.36	1.49	1.36	1.01	.88
851-CDRH74NP-331MC	CDRH74NP-331MC	330	0.32	1.49	1.36	1.01	.88
851-CDRH74NP-471MC	CDRH74NP-471MC	470	0.26	1.49	1.36	1.01	.88
851-CDRH74NP-102MC	CDRH74NP-102MC	1000	0.45	1.49	1.36	1.01	.88



SERIES NLV25/32 TYPE

ignal Line

LEAD-FREE

roduct has good heat durability that withstands
ree compatible reflow soldering conditions
free material is used for the plating on the terminal
lectrical characteristics, reliability, shape and pad
are the same as the previous NL series
heat resistant thermoplastic resin is used to form the exterior package
roduct conforms to the RoHS standard

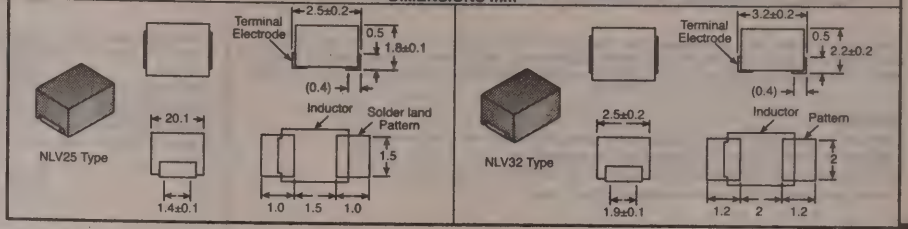
ations:

hard disk drives, and other types of electronics

cations:

ting Temperature: -20°C to +85°C
ance Tolerance: ±5%

DIMENSIONS mm



For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	L (μH)	Q Min.	Test Freq. (MHz)	Rdc (Ω) max.	Idc (mA) max.	Price Each 1	100	2000
5 Type									
LV25T-010J	NLV25T-010J-PF	0.01	15	100	.26	530	.29	.22	.08
LV25T-012J	NLV25T-012J-PF	0.012	15	100	.27	500	.29	.22	.08
LV25T-015J	NLV25T-015J-PF	0.015	15	100	.29	480	.29	.22	.08
LV25T-018J	NLV25T-018J-PF	0.018	15	100	.31	450	.29	.22	.08
LV25T-022J	NLV25T-022J-PF	0.022	15	100	.37	420	.29	.22	.08
LV25T-027J	NLV25T-027J-PF	0.027	15	100	.40	410	.29	.22	.08
LV25T-033J	NLV25T-033J-PF	0.033	20	100	.42	400	.29	.22	.08
LV25T-039J	NLV25T-039J-PF	0.039	20	100	.45	380	.29	.22	.08
LV25T-047J	NLV25T-047J-PF	0.047	20	100	.50	360	.29	.22	.08
LV25T-056J	NLV25T-056J-PF	0.056	20	100	.60	340	.29	.22	.08
LV25T-068J	NLV25T-068J-PF	0.068	20	100	.65	320	.29	.22	.08
LV25T-082J	NLV25T-082J-PF	0.082	20	100	.75	300	.29	.22	.08
LV25T-R10J	NLV25T-R10J-PF	0.1	20	100	.80	280	.29	.22	.08
LV25T-R12J	NLV25T-R12J-PF	0.12	30	25.2	.30	550	.29	.22	.08
LV25T-R15J	NLV25T-R15J-PF	0.15	30	25.2	.35	500	.29	.22	.08
LV25T-R18J	NLV25T-R18J-PF	0.18	30	25.2	.40	460	.29	.22	.08
LV25T-R22J	NLV25T-R22J-PF	0.22	30	25.2	.50	430	.29	.22	.08
LV25T-R27J	NLV25T-R27J-PF	0.27	30	25.2	.55	420	.29	.22	.08
LV25T-R33J	NLV25T-R33J-PF	0.33	30	25.2	.60	400	.29	.22	.08
LV25T-R39J	NLV25T-R39J-PF	0.39	30	25.2	.65	375	.29	.22	.08
LV25T-R47J	NLV25T-R47J-PF	0.47	30	25.2	.68	350	.29	.22	.08
LV25T-R56J	NLV25T-R56J-PF	0.56	30	25.2	.75	325	.29	.22	.08
LV25T-R68J	NLV25T-R68J-PF	0.68	30	25.2	.85	300	.29	.22	.08
LV25T-R82J	NLV25T-R82J-PF	0.82	30	25.2	1.00	260	.29	.22	.08
LV25T-1R0J	NLV25T-1R0J-PF	1.0	30	7.96	1.10	245	.29	.22	.08
LV25T-1R2J	NLV25T-1R2J-PF	1.2	30	7.96	1.20	230	.29	.22	.08
LV25T-1R5J	NLV25T-1R5J-PF	1.5	30	7.96	1.30	220	.29	.22	.08
LV25T-1R8J	NLV25T-1R8J-PF	1.8	30	7.96	1.45	210	.29	.22	.08
LV25T-2R2J	NLV25T-2R2J-PF	2.2	30	7.96	1.55	200	.29	.22	.08
LV25T-2R7J	NLV25T-2R7J-PF	2.7	30	7.96	1.70	195	.29	.22	.08
LV25T-3R3J	NLV25T-3R3J-PF	3.3	30	7.96	1.90	185	.29	.22	.08
LV25T-3R9J	NLV25T-3R9J-PF	3.9	30	7.96	2.10	180	.29	.22	.08
LV25T-4R7J	NLV25T-4R7J-PF	4.7	30	7.96	2.30	175	.29	.22	.08
LV25T-5R6J	NLV25T-5R6J-PF	5.6	25	7.96	2.50	170	.29	.22	.08
LV25T-6R8J	NLV25T-6R8J-PF	6.8	25	7.96	2.70	165	.29	.22	.08
LV25T-8R2J	NLV25T-8R2J-PF	8.2	25	7.96	3.05	160	.29	.22	.08
LV25T-100J	NLV25T-100J-PF	10	25	2.52	3.50	155	.29	.22	.08
LV25T-120J	NLV25T-120J-PF	12	25	2.52	3.80	150	.29	.22	.08
LV25T-150J	NLV25T-150J-PF	15	25	2.52	4.40	140	.29	.22	.08
LV25T-180J	NLV25T-180J-PF	18	25	2.52	4.80	130	.29	.22	.08

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	L (μH)	Q Min.	Test Freq. (MHz)	Rdc (Ω) max.	Idc (mA) max.	Price Each 1	100	2000
NLV25 Type (cont.)									
810-NLV25T-220J	NLV25T-220J-PF	22	25	2.52	5.50	125	.29	.22	.08
810-NLV25T-270J	NLV25T-270J-PF	27	25	2.52	6.30	115	.29	.22	.08
810-NLV25T-330J	NLV25T-330J-PF	33	25	2.52	7.10	110	.29	.22	.08
810-NLV25T-390J	NLV25T-390J-PF	39	20	2.52	9.50	90	.29	.22	.08
810-NLV25T-470J	NLV25T-470J-PF	47	20	2.52	11.10	80	.29	.22	.08
810-NLV25T-560J	NLV25T-560J-PF	56	20	2.52	12.10	75	.29	.22	.08
810-NLV25T-680J	NLV25T-680J-PF	68	20	2.52	16.60	70	.29	.22	.08
810-NLV25T-820J	NLV25T-820J-PF	82	20	2.52	19.00	66	.29	.22	.08
810-NLV25T-101J	NLV25T-101J-PF	100	15	0.796	21.00	60	.29	.22	.08
NLV32 Type									
810-NLV32T-010J	NLV32T-010J-PF	0.01	15	100	.13	450	.31	.24	.09
810-NLV32T-015J	NLV32T-015J-PF	0.015	19	100	.16	450	.31	.24	.09
810-NLV32T-022J	NLV32T-022J-PF	0.022	23	100	.20	450	.31	.24	.09
810-NLV32T-033J	NLV32T-033J-PF	0.033	25	100	.24	450	.31	.24	.09
810-NLV32T-047J	NLV32T-047J-PF	0.047	26	100	.30	450	.31	.24	.09
810-NLV32T-068J	NLV32T-068J-PF	0.068	27	100	.36	450	.31	.24	.09
810-NLV32T-R10J	NLV32T-R10J-PF	0.1	28	100	.44	450	.31	.24	.09
810-NLV32T-R15J	NLV32T-R15J-PF	0.15	30	25.2	.25	450	.31	.24	.09
810-NLV32T-R22J	NLV32T-R22J-PF	0.22	30	25.2	.32	450	.31	.24	.09
810-NLV32T-R33J	NLV32T-R33J-PF	0.33	30	25.2	.40	450	.31	.24	.09
810-NLV32T-R47J	NLV32T-R47J-PF	0.47	30	25.2	.50	450	.31	.24	.09
810-NLV32T-R68J	NLV32T-R68J-PF	0.68	30	25.2	.60	450	.31	.24	.09
810-NLV32T-1R0J	NLV32T-1R0J-PF	1	30	7.96	0.7	400	.31	.24	.09
810-NLV32T-1R5J	NLV32T-1R5J-PF	1.5	30	7.96	0.85	370	.31	.24	.09
810-NLV32T-2R2J	NLV32T-2R2J-PF	2.2	30	7.96	1	320	.31	.24	.09
810-NLV32T-3R3J	NLV32T-3R3J-PF	3.3	30	7.96	1.2	260	.31	.24	.09
810-NLV32T-4R7J	NLV32T-4R7J-PF	4.7	30	7.96	1.5	220	.31	.24	.09
810-NLV32T-6R8J	NLV32T-6R8J-PF	6.8	30	7.96	1.8	180	.31	.24	.09
810-NLV32T-100J	NLV32T-100J-PF	10	30	2.52	2.1	150	.31	.24	.09
810-NLV32T-150J	NLV32T-150J-PF	15	30	2.52	2.8	130	.31	.24	.09
810-NLV32T-220J	NLV32T-220J-PF	22	30	2.52	3.7	110	.31	.24	.09
810-NLV32T-330J	NLV32T-330J-PF	33	30	2.52	5.6	70	.31	.24	.09
810-NLV32T-470J	NLV32T-470J-PF	47	30	2.52	7	60	.31	.24	.09
810-NLV32T-680J	NLV32T-680J-PF	68	30	2.52	9	50	.31	.24	.09
810-NLV32T-101J	NLV32T-101J-PF	100	20	0.796	10	40	.31	.24	.09
810-NLV32T-151J	NLV32T-151J-PF	150	20	0.796	15	65	.31	.24	.09
810-NLV32T-221J	NLV32T-221J-PF	220	30	2.52	21	50	.31	.24	.09
810-NLV32T-331J	NLV32T-331J-PF	330	20	0.796	34	40	.31	.24	.09
810-NLV32T-471J	NLV32T-471J-PF	470	20	0.796	40	25	.31	.24	.09

/ SERIES NLCV25/32 TYPE

wer Line

e:

oduct has good heat durability that withstands
e compatible reflow soldering conditions
ee material is used for the plating on the terminal
ectrical characteristics, reliability, shape and pad
are the same as the previous NL series
heat resistant thermoplastic resin is used to
e exterior package
oduct conforms to the RoHS standard

Applications:

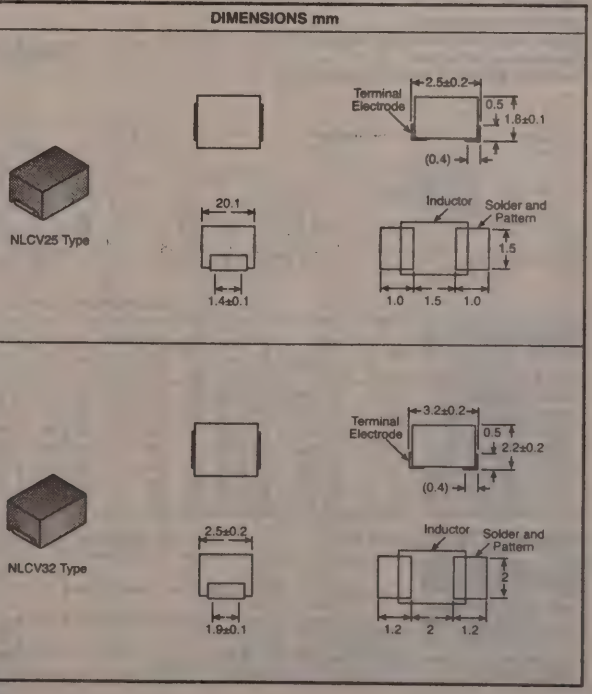
- PCs, hard disk drives, and other types of electronics

LEAD-FREE

Specifications:

- Operating Temperature: -20°C to +85°C
- Inductance Tolerance: ±5%

DIMENSIONS mm



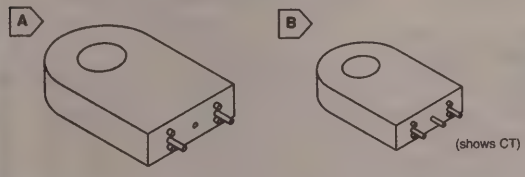
For quantities of 4000 and up, call for quote.

MOUSER TOCK NO.	TDK Part No.	L (μH)	Q Min.	Test Freq. (MHz)	Rdc (Ω) max.	Idc (mA) max.	Price Each 1	100	2000
25 Type									
CV25T-1R0M	NLCV25T-1R0M-PF	1	20	7.96	0.34	475	.29	.22	.08
CV25T-1R5M	NLCV25T-1R5M-PF	1.5	20	7.96	0.42	435	.29	.22	.08
CV25T-2R2M	NLCV25T-2R2M-PF	2.2	20	7.96	0.5	390	.29	.22	.08
CV25T-3R3M	NLCV25T-3R3M-PF	3.3	20	7.96	0.65	340	.29	.22	.08
CV25T-4R7M	NLCV25T-4R7M-PF	4.7	20	7.96	0.8	285	.29	.22	.08
CV25T-6R8M	NLCV25T-6R8M-PF	6.8	20	7.96	1	275	.29	.22	.08
CV25T-100K	NLCV25T-100K-PF	10	30	2.52	1.69	210	.29	.22	.08
CV25T-150K	NLCV25T-150K-PF	15	30	2.52	2.2	175	.29	.22	.08
CV25T-220K	NLCV25T-220K-PF	22	30	2.52	2.8	160	.29	.22	.08
CV25T-330K	NLCV25T-330K-PF	33	30	2.52	4.2	120	.29	.22	.08
32 Type									
CV32T-1R0M	NLCV32T-1R0M-PF	1	10	7.96	0.08	850	.31	.24	.09
CV32T-1R5M	NLCV32T-1R5M-PF	1.5	10	7.96	0.11	700	.31	.24	.09
CV32T-2R2M	NLCV32T-2R2M-PF	2.2	10	7.96	0.13	600	.31	.24	.09
CV32T-3R3M	NLCV32T-3R3M-PF	3.3	10	7.96	0.16	500	.31	.24	.09
CV32T-100K	NLCV32T-100K-PF	10	15	2.52	0.36	300	.31	.24	.09
CV32T-150K	NLCV32T-150K-PF	15	15	2.52	0.56	250	.31	.24	.09
CV32T-220K	NLCV32T-220K-PF	22	15	2.52	0.77	210	.31	.24	.09
CV32T-330K	NLCV32T-330K-PF	33	15	2.52	1.1	170	.31	.24	.09
CV32T-470K	NLCV32T-470K-PF	47	15	2.52	1.64	150	.31	.24	.09
CV32T-101K	NLCV32T-101K-PF	100	15	0.796	3.7	100	.31	.24	.09
CV32T-151K	NLCV32T-151K-PF	150	20	0.796	6.1	85	.31	.24	.09
CV32T-221K	NLCV32T-221K-PF	220	20	0.796	8.4	70	.31	.24	.09
CV32T-331K	NLCV32T-331K-PF	330	20	0.796	12.3	60	.31	.24	.09

TRIAD CURRENT SENSE TRANSFORMERS

Designed for switching power supply applications. Triad current sense inductors are used to detect the current passing through a conductor. These inductors are very reliable and operate effectively over the frequency range of 20 kHz-200 kHz. They are constructed of UL rated 130°C materials. Both models are available with a center tap option.

Features:
- Derate ET product by 32% for 50 kHz, 52% for 100 Hz and 50% for unidirectional operation
- Rated primary current renders approximately 40°C temperature rise
- CST206 models have maximum recommended terminating resistance of 1 ohm per turn
- 3 pin or center tapped (CT) models are designed with a T suffix



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Fig.	ET VμSec Ref. 20 kHz	Turns	Min. Inductance	Max. DCR (Ω)	Pri. Amps RMS	Price Each	
Mfr.	Mfr. Part No.							1	10
553—	CST206-1A	A	2000	100	14.0 mH	.58	110.0	6.11	5.20
553—	CST206-1T	A	2000	100 CT	14.0 mH	.58	110.0	6.67	5.67
553—	CST206-3A	A	6000	300	130.0 mH	12.40	70.0	6.11	5.20
553—	CST306-1A	B	500	50	3.5 mH	.34	35.0	4.11	3.50
553—	CST306-1T	B	500	50 CT	3.5 mH	.58	35.0	4.67	3.97
553—	CST306-2A	B	1000	100	14.0 mH	1.55	25.0	4.11	3.50
553—	CST306-2T	B	1000	100 CT	14.0 mH	1.55	25.0	4.67	3.97
553—	CST306-3A	B	2000	200	55.0 mH	3.75	25.0	4.11	3.50
553—	CST306-3T	B	2000	200 CT	55.0 mH	3.75	25.0	4.67	3.97

Engineering Development Kit

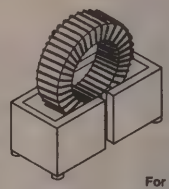
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Contains one of each of the components below	Price Each	
Mfr.	Mfr. Part No.		1	10
553—	CST206K	CST206-1A, CST206-1T, CST206-2A, CST206-2T, CST206-3A, CST206-3T	33.33	28.35
553—	CST306K	CST306-1A, CST306-1T, CST306-2A, CST306-3T, CST306-3A, CST306-3T	22.22	18.90

TRIAD TOROIDAL FILTER INDUCTORS

Triad toroidal inductors are specifically designed to minimize transients. These devices store energy, and there condition the output signal by leveling out the current waveform providing a more stable current supply.

Features:
- Nominal inductance values are typically 10% higher than minimal rating
- Biased inductance measure at rated DC amps
- Operation at rated current yields @ 40°C rise over 20°C ambient



For quantities of 25 and up, call for

MOUSER STOCK NO.		Min. Inductance (μH)		Rated DC Amps	Max. DCR (Ω)	Price E
Mfr.	Mfr. Part No.	No Bias	At Bias			1
553—	FIT44-1	18.85	12.72	2.8	44.8	1.96
553—	FIT44-3	12.30	7.75	4.0	23.4	1.96
553—	FIT44-4	8.06	5.22	4.8	15.9	1.96
553—	FIT50-2	35.48	23.77	3.4	57.8	2.31
553—	FIT68-1	89.50	57.99	2.8	108.0	2.80
553—	FIT68-3	54.81	33.05	4.0	59.9	2.80
553—	FIT68-4	43.30	26.63	4.8	42.4	2.80
553—	FIT68-6	24.31	13.56	6.8	20.2	2.80
553—	FIT80-1	128.00	74.04	4.0	95.2	3.47
553—	FIT80-6	38.07	18.11	9.7	17.0	3.47

Engineering Development Kit

For quantities of 25 and up, call for

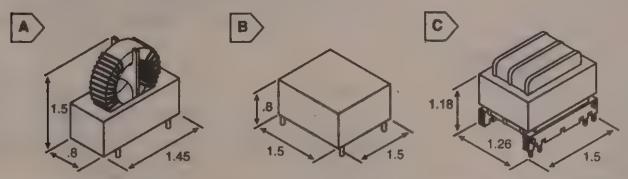
MOUSER STOCK NO.		Contains one of each of the components below	Price E
Mfr.	Mfr. Part No.		1
553—	FITK	FIT44-1, -2, -3, -4 FIT50-1, -2, -3, -4, -5, -6, -7 FIT68-1, -2, -3, -4, -5, -6, -7 FIT80-1, -2, -3, -4, -5, -6 FIT106-1, -2, -3, -4, -5, -6	83.33

TRIAD COMMON MODE INDUCTORS

Highly dependable Triad common mode EMI suppression inductors are used in various types of power supplies to eliminate noise common to all lines. These units also provide effective differential mode filtering. Meeting VDE, IEC, UL, and CSA requirements, they minimize AC line transmitted interference often created by high frequency switching power supplies

Features:
- Hi-Pot tested at 2500 VRMS
- Current rating for approximately 40°C temperature rise
- DC resistance at 20°C ± 10%
- Inductances are minimum measured at 10 Gauss

DIMENSIONS (IN)



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Fig.	Min. Inductance	Amps RMS	Max. DCR (Ω)	Min. Leakage	Price Each	
Mfr.	Mfr. Part No.						1	10
553—	CMT908-V1	A	2.0 mH	7.50	.020	25.0 μH	4.78	4.06
553—	CMT908-V2	A	4.0 mH	5.20	.040	45.0 μH	4.78	4.06
553—	CMT908-V3	A	8.0 mH	3.20	.120	90.0 μH	4.78	4.06
553—	CMT908-V4	A	16.0 mH	2.60	.160	180.0 μH	4.78	4.06
553—	CMT908-H2	B	4.0 mH	5.20	.040	45.0 μH	4.78	4.06
553—	CMT908-H4	B	16.0 mH	2.60	.160	180.0 μH	4.78	4.06
553—	CME375-2	C	6.9 mH	4.40	.077	70.0 μH	6.78	5.76

Engineering Development Kit

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Contains one of each of the components below	Price Each	
Mfr.	Mfr. Part No.		1	10
553—	CMT908K	CMT908-V1, -V2, -V3, -V4 CMT908-H1, -H2, -H3, -H4	33.33	28.35
553—	CME375K	CME375-1, -2, -3, -4, -5, -6, -7, -8, -9	55.56	47.27

TRIAD ROD CORE INDUCTORS

Triad rod core inductors provide cost effective energy storage. By conditioning the output signal, the inductor smoothes out the current waveform to provide a more stable current. These low cost inductors are designed compatible with automated P.C.B. installation.

Features:
- Rated current 10 amps per pin maximum
- Rated current renders @ 40°C temp. rise

DIMENSIONS (

For quantities of 25 and up, call for

MOUSER STOCK NO.		10% Inductance	DC Current (A)	± 15% DC Resistance	Price E
Mfr.	Mfr. Part No.				1
553—	RC-1	5.6 mH	.250	6.100 Ω	2.71
553—	RC-3	2.5 mH	.400	2.450 Ω	2.71
553—	RC-5	915.0 μH	.625	1.000 Ω	2.71
553—	RC-7	450.0 μH	1.000	.420 Ω	2.71
553—	RC-8	250.0 μH	1.250	.210 Ω	2.71
553—	RC-9	200.0 μH	1.600	.180 Ω	2.71
553—	RC-10	100.0 μH	2.000	.098 Ω	2.71
553—	RC-11	75.0 μH	2.500	.070 Ω	2.71

Engineering Development Kit

For quantities of 25 and up, call fo

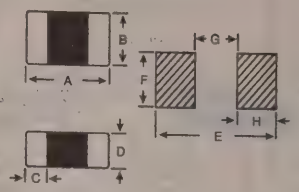
MOUSER STOCK NO.		Contains one of each of the components below	Price E
Mfr.	Mfr. Part No.		1
553—	RCK	RC-1, RC-2, RC-3, RC-4, RC-5, RC-6, RC-7, RC-8, RC-9, RC-10, RC-11	27.78

3 SERIES - SHIELDED INDUCTORS

es:
reliability.
etically self shielded.
l barrier plating virtually
ates silver migration
nce: ±10%
e mountable

LEAD-FREE

nmental Specifications:
ting temperature: -55°C to +125°C.
al shock: -40°C to +85°C.
Life: 85°C for 1000 hours full rated current.
dity: 90% RH at 40°C



Size	Qty/Reel	Dimensions in millimeters							
		A	B	C	D	E	F	G	H
0603	4000	1.6 ± 0.15	0.8 ± 0.15	0.3 ± 0.15	0.8 ± 0.2	2.7	0.9	0.6	1.0
0805	4000	2.0 ± 0.2	1.25 ± 0.2	0.5 ± 0.3	N/A	3.0	1.3	1.0	1.0
1206	3000	3.2 ± 0.2	1.6 ± 0.2	0.5 ± 0.3	1.1 ± 0.3	4.7	1.8	2.2	1.2

For quantities of 36,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Inductance (µH)	Q (Min)	Test Frequency L&G (MHz)	Max. DCR (Ω)	Rated DC Current (mA)	Price Each						
							1	50	100	1,000	4,000	8,000	16,000
Size													
SB0603RKR10K	ILSB0603RKR10K	0.1	15	25	0.5	50	.23	.19	.14	.12	.095	.092	.089
SB0603RKR15K	ILSB0603RKR15K	0.15	15	25	0.6	50	.23	.19	.14	.12	.095	.092	.089
SB0603RKR22K	ILSB0603RKR22K	0.22	15	25	0.8	50	.23	.19	.14	.12	.095	.092	.089
SB0603RKR33K	ILSB0603RKR33K	0.33	15	25	0.85	35	.23	.19	.14	.12	.095	.092	.089
SB0603RKR39K	ILSB0603RKR39K	0.39	15	25	1.0	35	.23	.19	.14	.12	.095	.092	.089
SB0603RKR47K	ILSB0603RKR47K	0.47	15	25	1.35	35	.23	.19	.14	.12	.095	.092	.089
SB0603RK1R0K	ILSB0603RK1R0K	1.0	35	10	0.6	25	.23	.19	.14	.12	.095	.092	.089
SB0603RK1R2K	ILSB0603RK1R2K	1.2	35	10	0.8	25	.23	.19	.14	.12	.095	.092	.089
SB0603RK1R8K	ILSB0603RK1R8K	1.8	35	10	0.95	25	.23	.19	.14	.12	.095	.092	.089
SB0603RK3R3K	ILSB0603RK3R3K	3.3	35	10	1.55	15	.23	.19	.14	.12	.095	.092	.089
SB0603RK4R7K	ILSB0603RK4R7K	4.7	35	10	2.1	15	.24	.20	.15	.13	.106	.104	.102
Size													
SB0805RK68NM	LSB0805RK68NM	.068	15	50	0.2	300	.23	.19	.14	.12	.095	.092	.089
SB0805RKR10K	ILSB0805RKR10K	0.1	20	25	0.3	250	.23	.19	.14	.12	.095	.092	.089
SB0805RKR12K	ILSB0805RKR12K	0.12	20	25	0.3	250	.23	.19	.14	.12	.095	.092	.089
SB0805RKR15K	ILSB0805RKR15K	0.15	20	25	0.4	250	.23	.19	.14	.12	.095	.092	.089
SB0805RKR22K	ILSB0805RKR22K	0.22	20	25	0.5	250	.23	.19	.14	.12	.095	.092	.089
SB0805RKR27K	ILSB0805RKR27K	0.27	20	25	0.5	250	.23	.19	.14	.12	.095	.092	.089
SB0805RKR33K	ILSB0805RKR33K	0.33	20	25	0.55	250	.23	.19	.14	.12	.095	.092	.089
SB0805RKR39K	ILSB0805RKR39K	0.39	25	25	0.65	200	.23	.19	.14	.12	.095	.092	.089
SB0805RKR47K	ILSB0805RKR47K	0.47	25	25	0.65	200	.23	.19	.14	.12	.095	.092	.089
SB0805RKR82K	ILSB0805RKR82K	0.82	25	25	1.0	150	.23	.19	.14	.12	.095	.092	.089
SB0805RK1R0K	ILSB0805RK1R0K	1.0	45	10	0.4	50	.23	.19	.14	.12	.095	.092	.089
SB0805RK1R2K	ILSB0805RK1R2K	1.2	45	10	0.5	50	.23	.19	.14	.12	.095	.092	.089
SB0805RK1R5K	ILSB0805RK1R5K	1.5	45	10	0.5	50	.23	.19	.14	.12	.095	.092	.089
SB0805RK1R8K	ILSB0805RK1R8K	1.8	45	10	0.6	50	.23	.19	.14	.12	.095	.092	.089
SB0805RK2R2K	ILSB0805RK2R2K	2.2	45	10	0.65	30	.23	.19	.14	.12	.095	.092	.089
SB0805RK2R7K	ILSB0805RK2R7K	2.7	45	10	0.75	30	.24	.20	.15	.13	.106	.104	.102
SB0805RK3R3K	ILSB0805RK3R3K	3.3	45	10	0.8	30	.24	.20	.15	.13	.106	.104	.102
SB0805RK3R9K	ILSB0805RK3R9K	3.9	45	10	0.9	30	.23	.19	.14	.12	.095	.092	.089
SB0805RK4R7K	ILSB0805RK4R7K	4.7	45	10	1.0	30	.24	.20	.15	.13	.106	.104	.102
SB0805RK8R2K	ILSB0805RK8R2K	8.2	45	4.0	1.1	15	.24	.20	.15	.13	.106	.104	.102
SB0805RK100K	ILSB0805RK100K	10	50	2.0	1.15	15	.24	.20	.15	.13	.106	.104	.102
SB0805RK120K	ILSB0805RK120K	12	50	2.0	1.25	15	.24	.20	.15	.13	.106	.104	.102
SB0805RK150K	ILSB0805RK150K	15	30	1.0	0.8	5.0	.26	.22	.17	.15	.126	.124	.122
SB0805RK220K	ILSB0805RK220K	22	30	1.0	1.1	5.0	.26	.22	.17	.15	.126	.124	.122
SB0805RK270K	ILSB0805RK270K	27	30	1.0	1.15	5.0	.26	.22	.17	.15	.126	.124	.122

For quantities of 18,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Inductance (µH)	Q (Min)	Test Frequency L&G (MHz)	Max. DCR (Ω)	Rated DC Current (mA)	Price Each						
							1	50	100	1,000	3,000	6,000	9,000
Size													
SB1206RKR10K	ILSB1206RKR10K	0.1	20	25	0.25	250	.23	.19	.14	.12	.095	.092	.089
SB1206RKR15K	ILSB1206RKR15K	0.15	20	25	0.3	250	.23	.19	.14	.12	.095	.092	.089
SB1206RKR18K	ILSB1206RKR18K	0.18	20	25	0.4	250	.23	.19	.14	.12	.095	.092	.089
SB1206RKR22K	ILSB1206RKR22K	0.22	20	25	0.4	250	.23	.19	.14	.12	.095	.092	.089
SB1206RKR27K	ILSB1206RKR27K	0.27	20	25	0.5	250	.23	.19	.14	.12	.095	.092	.089
SB1206RKR33K	ILSB1206RKR33K	0.33	20	25	0.6	250	.23	.19	.14	.12	.095	.092	.089
SB1206RKR39K	ILSB1206RKR39K	0.39	25	25	0.5	200	.23	.19	.14	.12	.095	.092	.089
SB1206RKR47K	ILSB1206RKR47K	0.47	25	25	0.6	200	.23	.19	.14	.12	.095	.092	.089
SB1206RKR56K	ILSB1206RKR56K	0.56	25	25	0.7	150	.23	.19	.14	.12	.095	.092	.089
SB1206RKR82K	ILSB1206RKR82K	0.82	25	25	0.9	150	.23	.19	.14	.12	.095	.092	.089
SB1206RK1R0K	ILSB1206RK1R0K	1.0	45	10	0.4	100	.23	.19	.14	.12	.095	.092	.089
SB1206RK1R2K	ILSB1206RK1R2K	1.2	45	10	0.5	100	.23	.19	.14	.12	.095	.092	.089
SB1206RK1R5K	ILSB1206RK1R5K	1.5	45	10	0.5	50	.23	.19	.14	.12	.095	.092	.089
SB1206RK1R8K	ILSB1206RK1R8K	1.8	45	10	0.5	50	.23	.19	.14	.12	.095	.092	.089
SB1206RK2R2K	ILSB1206RK2R2K	2.2	45	10	0.5	50	.23	.19	.14	.12	.095	.092	.089
SB1206RK2R7K	ILSB1206RK2R7K	2.7	45	10	0.6	50	.23	.19	.14	.12	.095	.092	.089
SB1206RK3R3K	ILSB1206RK3R3K	3.3	45	10	0.7	50	.23	.19	.14	.12	.095	.092	.089
SB1206RK3R9K	ILSB1206RK3R9K	3.9	45	10	0.8	50	.23	.19	.14	.12	.095	.092	.089
SB1206RK4R7K	ILSB1206RK4R7K	4.7	45	10	0.9	50	.23	.19	.14	.12	.095	.092	.089
SB1206RK8R2K	ILSB1206RK8R2K	8.2	45	4.0	0.9	25	.23	.19	.14	.12	.095	.092	.089
SB1206RK100K	ILSB1206RK100K	10	45	2.0	1.0	25	.23	.19	.14	.12	.095	.092	.089
SB1206RK150K	ILSB1206RK150K	15	45	1.0	0.7	5.0	.25	.21	.16	.14	.126	.123	.120
SB1206RK180K	ILSB1206RK180K	18	45	1.0	0.7	5.0	.25	.21	.16	.14	.126	.123	.120
SB1206RK220K	ILSB1206RK220K	22	35	1.0	0.9	5.0	.25	.21	.16	.14	.126	.123	.120
SB1206RK270K	ILSB1206RK270K	27	35	1.0	0.9	5.0	.25	.21	.16	.14	.126	.123	.120
SB1206RK330K	ILSB1206RK330K	33	35	1.0	1.05	5.0	.25	.21	.16	.14	.126	.123	.120

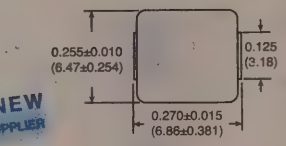
LOW PROFILE-SMD, LEAD-FREE, HIGH CURRENT INDUCTORS - IHLP2525 - AH, CZ SERIES

DIMENSIONS IN.

Features:
- Low profile
- Shielded construction.
- Frequency range up to 5.0MHz
- Handles high transient current spikes without saturation.
- 100% lead (Pb) free.
- Operating temperature: -55°C to +125°C
- Available on Tape and Reel

Applications:
- PDA/Notebook/Desktop/Server applications
- High current POL converters
- Low profile, high current power supplies
- Battery powered devices
- DC/DC converters in distributed power systems
- DC/DC converter for FPGA

NEW FROM SUPPLIER



For quantities of 1000 and up, call fo

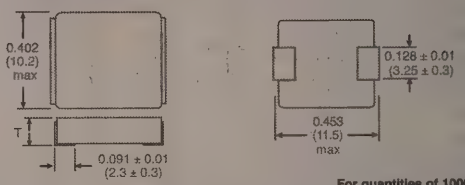
MOUSER STOCK NO.	Vishay Part No.	Inductance (µH ± 20%)	T (mm)	DCR Max @ 25°C (mΩ)	Heat Rating Current DC Amps- Typical	Price Each 1	25	50	100
IHLP-2525AH-01 Series									
70-IHLP2525AHERR10M1	IHLP2525AHERR10M01	0.1	.071 (1.80)	3.5	18	2.25	1.95	1.80	1.65
70-IHLP2525AHERR22M1	IHLP2525AHERR22M01	0.22	.071 (1.80)	5.7	14	2.25	1.95	1.80	1.65
70-IHLP2525AHERR47M1	IHLP2525AHERR47M01	0.47	.071 (1.80)	9.3	11	2.25	1.95	1.80	1.65
70-IHLP2525AHER1R0M1	IHLP2525AHER1R0M01	1.0	.071 (1.80)	18.3	7	2.25	1.95	1.80	1.65
70-IHLP2525AHER2R2M1	IHLP2525AHER2R2M01	2.2	.071 (1.80)	46	3.75	2.25	1.95	1.80	1.65
70-IHLP2525AHER4R7M1	IHLP2525AHER4R7M01	4.7	.071 (1.80)	78	3	2.25	1.95	1.80	1.65
IHLP-2525CZ-01 Series									
70-IHLP2525CZERR10M1	IHLP2525CZERR10M01	0.1	.118 (3.0)	1.7	32.5	1.95	1.63	1.30	1.14
70-IHLP2525CZERR15M1	IHLP2525CZERR15M01	0.15	.118 (3.0)	2.5	26	1.95	1.63	1.30	1.14
70-IHLP2525CZERR20M1	IHLP2525CZERR20M01	0.2	.118 (3.0)	3.0	24	1.95	1.63	1.30	1.14
70-IHLP2525CZERR22M1	IHLP2525CZERR22M01	0.22	.118 (3.0)	2.8	23	1.95	1.63	1.30	1.14
70-IHLP2525CZERR33M1	IHLP2525CZERR33M01	0.33	.118 (3.0)	3.9	20	1.95	1.63	1.30	1.14
70-IHLP2525CZERR47M1	IHLP2525CZERR47M01	0.47	.118 (3.0)	4.2	17.5	1.95	1.63	1.30	1.14
70-IHLP2525CZERR68M1	IHLP2525CZERR68M01	0.68	.118 (3.0)	5.5	15.5	1.95	1.63	1.30	1.14
70-IHLP2525CZERR82M1	IHLP2525CZERR82M01	0.82	.118 (3.0)	8.0	13	1.95	1.63	1.30	1.14
70-IHLP2525CZER1R0M1	IHLP2525CZER1R0M01	1.0	.118 (3.0)	10	11	1.95	1.63	1.30	1.14
70-IHLP2525CZER1R5M1	IHLP2525CZER1R5M01	1.5	.118 (3.0)	15	9.0	1.53	1.28	1.08	.89
70-IHLP2525CZER2R2M1	IHLP2525CZER2R2M01	2.2	.118 (3.0)	20	8.0	1.53	1.28	1.08	.89
70-IHLP2525CZER3R3M1	IHLP2525CZER3R3M01	3.3	.118 (3.0)	30	6.0	1.53	1.28	1.08	.89
70-IHLP2525CZER4R7M1	IHLP2525CZER4R7M01	4.7	.118 (3.0)	40	5.5	1.53	1.28	1.08	.89
70-IHLP2525CZER6R8M1	IHLP2525CZER6R8M1	6.8	.118 (3.0)	60	4.5	1.83	1.53	1.22	1.07
70-IHLP2525CZER100M1	IHLP2525CZER100M01	10	.118 (3.0)	105	3.0	1.83	1.53	1.22	1.07

LOW PROFILE-SMD, LEAD-FREE, HIGH CURRENT INDUCTORS - IHLP4040 - DZ SERIES

Features:
- Low profile
- Shielded construction.
- Frequency range up to 5.0MHz
- Handles high transient current spikes without saturation.
- 100% lead (Pb) free.
- Operating temperature: -55°C to +125°C
- Available on Tape and Reel
- Lowest DCR/µh, in this package size
- Ultra low buzz noise, due to composter construction

NEW FROM SUPPLIER

Applications:
- PDA/Notebook/Desktop/Server applications
- High current POL converters
- Low profile, high current power supplies
- Battery powered devices
- DC/DC converters in distributed power systems
- DC/DC converter for FPGA



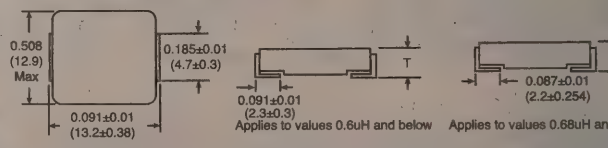
For quantities of 1000 and up, call fo

MOUSER STOCK NO.	Vishay Part No.	Inductance (µH ± 20%)	T (mm)	DCR Max @ 25°C (mΩ)	Heat Rating Current DC Amps- Typical	Price Each 1	25	50	100
70-IHLP4040DZERR19M5	IHLP4040DZERR19M05	0.19	0.158 (4.0)	0.7	38	2.40	2.16	2.08	2.00
70-IHLP4040DZERR36M5	IHLP4040DZERR36M05	0.36	0.158 (4.0)	1.1	30	2.40	2.16	2.08	2.00
70-IHLP4040DZERR56M5	IHLP4040DZERR56M05	0.56	0.158 (4.0)	1.6	25	2.40	2.16	2.08	2.00

LOW PROFILE-SMD, LEAD-FREE, HIGH CURRENT INDUCTORS - IHLP5050 - CE, EZ, FD SERIES

Features:
- Low profile
- Shielded construction.
- Frequency range up to 5.0MHz
- Handles high transient current spikes w/o saturation.
- 100% lead (Pb) free.
- Operating temperature: -55°C to +125°C
- Available on Tape and Reel

Applications:
- PDA/Notebook/Desktop/Server applications
- High current POL converters
- Low profile, high current power supplies
- Battery powered devices
- DC/DC converters in distributed power systems
- DC/DC converter for FPGA



For quantities of 1000 and up, call fo

MOUSER STOCK NO.	Vishay Part No.	Inductance (µH ± 20%)	T (mm)	DCR Max @ 25°C (mΩ)	Heat Rating Current DC Amps- Typical	Price Each 1	25	50	100
IHLP-5050CE-01 Series									
70-IHLP5050CEERR10M1	IHLP5050CEERR10M01	0.1	.138 (3.5)	0.8	43	3.45	2.88	2.30	2.01
70-IHLP5050CEERR68M1	IHLP5050CEERR68M01	0.68	.138 (3.5)	2.3	28	3.45	2.88	2.30	2.01
70-IHLP5050CEERR82M1	IHLP5050CEERR82M01	0.82	.138 (3.5)	2.6	25	3.45	2.88	2.30	2.01
70-IHLP5050CEER1R0M1	IHLP5050CEER1R0M01	1	.138 (3.5)	3.3	24	3.45	2.88	2.30	2.01
70-IHLP5050CEER1R5M1	IHLP5050CEER1R5M01	1.5	.138 (3.5)	5.1	19	3.45	2.88	2.30	2.01
70-IHLP5050CEER2R2M1	IHLP5050CEER2R2M01	2.2	.138 (3.5)	7.2	16	3.45	2.88	2.30	2.01
70-IHLP5050CEER3R3M1	IHLP5050CEER3R3M01	3.3	.138 (3.5)	11	12	3.45	2.88	2.30	2.01
70-IHLP5050CEER4R7M1	IHLP5050CEER4R7M01	4.7	.138 (3.5)	14.3	10	3.45	2.88	2.30	2.01
70-IHLP5050CEER100M1	IHLP5050CEER100M01	10	.138 (3.5)	30.4	7	3.87	3.23	2.58	2.26
IHLP-5050EZ-01 Series									
70-IHLP5050EZER1R0M1	IHLP5050EZER1R0M01	1.0	.197 (5.0)	2.1	29	4.28	3.85	3.25	2.91
70-IHLP5050EZER2R2M1	IHLP5050EZER2R2M01	2.2	.197 (5.0)	4.6	20	4.28	3.85	3.25	2.91
70-IHLP5050EZER3R3M1	IHLP5050EZER3R3M01	3.3	.197 (5.0)	7.7	15	4.28	3.85	3.25	2.91
70-IHLP5050EZER4R7M1	IHLP5050EZER4R7M01	4.7	.197 (5.0)	12.8	12	4.28	3.85	3.25	2.91
70-IHLP5050EZER100M1	IHLP5050EZER100M01	10	.197 (5.0)	21.4	9.0	4.80	4.32	3.65	3.26
IHLP-5050FD-01 Series									
70-IHLP5050FDERR15M1	IHLP5050FDERR15M1	0.15	.256 (6.5)	0.60	55	5.91	4.93	3.94	3.45
70-IHLP5050FDERR33M1	IHLP5050FDERR33M1	0.33	.256 (6.5)	0.90	46	5.91	4.93	3.94	3.45
70-IHLP5050FDERR40M1	IHLP5050FDERR40M1	0.40	.256 (6.5)	1.0	44	5.91	4.93	3.94	3.45
70-IHLP5050FDERR47M1	IHLP5050FDERR47M1	0.47	.256 (6.5)	1.2	41	5.91	4.93	3.94	3.45
70-IHLP5050FDERR68M1	IHLP5050FDERR68M1	0.68	.256 (6.5)	1.6	35	5.91	4.93	3.94	3.45
70-IHLP5050FDER1R0M1	IHLP5050FDER1R0M1	1.0	.256 (6.5)	2.0	32	5.91	4.93	3.94	3.45
70-IHLP5050FDER1R5M1	IHLP5050FDER1R5M1	1.5	.256 (6.5)	3.0	27	5.91	4.93	3.94	3.45
70-IHLP5050FDER2R2M1	IHLP5050FDER2R2M1	2.2	.256 (6.5)	4.2	22	5.91	4.93	3.94	3.45
70-IHLP5050FDER3R3M1	IHLP5050FDER3R3M1	3.3	.256 (6.5)	6.8	18	5.91	4.93	3.94	3.45
70-IHLP5050FDER4R7M1	IHLP5050FDER4R7M1	4.7	.256 (6.5)	11.2	13.5	5.91	4.93	3.94	3.45

IHSM-4825 SERIES HIGH CURRENT, SURFACE MOUNT INDUCTORS

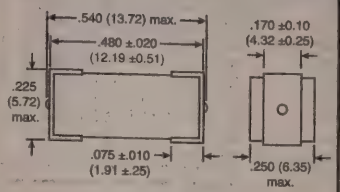
DIMENSIONS (IN.)

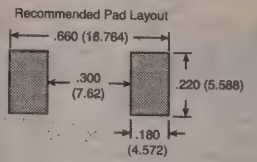
ures:
me retardant encapsulant
npletely encapsulated winding provides superior
ironmental protection and moisture resistance
h current unit in surface mount package printed
model, inductance value and date code
npatible with infrared or conventional
w soldering methods
k and place compatible

ications:
ellent power line noise filters, filters for switching
ulated power supplies, DC/DC converters, SCR and
c controls and RFI suppression

ifications:
ctance: Measured at 1 volt with no DC current
rating Temperature: -55°C to + 125°C (no load)
C to + 85°C (at full rated current)

available on Tape and Reel





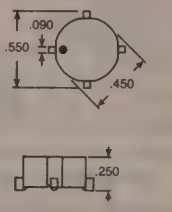
For quantities of 50 and up, call for quote.

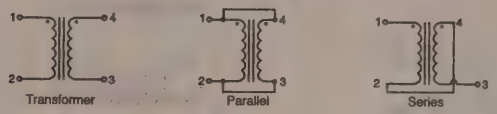
MOUSER STOCK NO.	L (µH)	Tol.	DCR Max. (Ω)	Idc max. (mA)	Price Each 1	10	25
HSM4825PJ1R0L	1	15%	0.013	8.6	4.35	3.63	2.90
HSM4825PJ1R5L	1.5	15%	0.02	6.9	4.35	3.63	2.90
HSM4825PJ3R3L	3.3	15%	0.038	4.6	4.35	3.63	2.90
HSM4825RE100K	10	10%	.071	3.1	4.44	3.70	2.96
HSM4825PJ100L	10	15%	0.071	3.1	4.44	3.70	2.96
HSM4825PJ220L	22	15%	0.152	1.7	4.56	3.80	3.04
HSM4825PJ101L	100	15%	0.672	0.73	4.08	3.40	2.72
HSM4825PJ221L	220	15%	1.58	0.46	4.08	3.40	2.72

LPT-4545 TOROIDAL SURFACE MOUNT INDUCTORS

DIMENSIONS (IN.)

Features:
- Toroidal design for minimal EMI radiation in DC to DC converter applications
- Designed to support the growing need for efficient DC to DC converters in battery operated equipment
- Two separate windings provide versatility by ability to connect windings in series or parallel





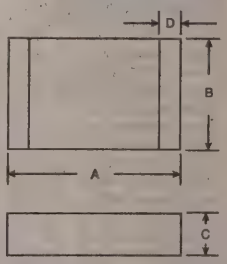
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Parallel Connected Ind. (µH) ±15%	Rated Current (A)	DCR max. (Ω)	Series Connected Ind. (µH) ±15%	Rated Current (A)	DCR max. (Ω)	Price Each 1	10	25
70-LPT4545-100LA	10	4.000	.030	40	2.000	.120	9.30	8.75	8.43
70-LPT4545-200LA	20	2.100	.050	80	1.050	.215	9.30	8.75	8.43
70-LPT4545-101LA	100	.950	.175	400	.475	.700	9.30	8.75	8.43
70-LPT4545-151LA	150	.720	.330	600	.360	1.32	9.30	8.75	8.43

IFC-0603/0805 SERIES HIGH Q/SRF, LOW VALUE CHIP INDUCTORS

res:
reliability
ce mountable
self-resonant frequency
erature range: -40°C to +125°C (no load)
-40°C to +85°C (full rated current)

LEAD-FREE



DIMENSIONS IN. (mm)

Model	A	B	C	D
IFC-0603	0.063±0.004 (1.60±0.1)	0.031±0.004 (0.80±0.1)	0.020±0.004 (0.50±0.1)	0.015 Max. (0.38 Max.)
IFC-0805	0.079±0.006 (2.00±0.15)	0.049±0.006 (1.25±0.15)	0.020±0.006 (0.50±0.15)	0.015 Max. (0.38 Max.)

MHz

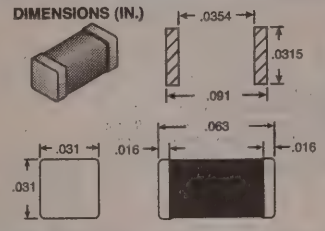
MOUSER STOCK NO.	Vishay Part No.	L 100 MHz (nH)	L Tol. ±	Q 100 MHz (Typ.)	Q 800 MHz (Typ.)	Q 1700 MHz (Typ.)	SRF MHz (Typ.)	Rdc Ohms (Max.)	Rated DC Current (mA)	Price Each 1	100	500	1000	5000	10000	25000
Size																
C0603ER1N5S	IFC0603ER1N5S	1.5	0.3nH	11	38	42	>15000	0.06	1000	.13	.10	.08	.07	.063	.059	.055
C0603ER1N8S	IFC0603ER1N8S	1.8	0.3nH	10	35	50	>15000	0.06	1000	.13	.10	.08	.07	.063	.059	.055
C0603ER2N2S	IFC0603ER2N2S	2.2	0.3nH	10	40	47	14000	0.08	1000	.13	.10	.08	.07	.063	.059	.055
C0603ER2N7S	IFC0603ER2N7S	2.7	0.3nH	10	38	51	13000	0.12	1000	.13	.10	.08	.07	.063	.059	.055
C0603ER3N3K	IFC0603ER3N3K	3.3	10%	10	41	53	10000	0.15	1000	.13	.10	.08	.07	.063	.059	.055
C0603ER3N9K	IFC0603ER3N9K	3.9	10%	10	36	51	8000	0.20	500	.13	.10	.08	.07	.063	.059	.055
C0603ER4N7K	IFC0603ER4N7K	4.7	10%	10	38	55	7000	0.21	500	.13	.10	.08	.07	.063	.059	.055
C0603ER5N6K	IFC0603ER5N6K	5.6	10%	10	38	48	5100	0.29	500	.13	.10	.08	.07	.063	.059	.055
C0603ER6N8J	IFC0603ER6N8J	6.8	5%	10	38	47	4900	0.32	500	.13	.10	.08	.07	.063	.059	.055
C0603ER8N2J	IFC0603ER8N2J	8.2	5%	10	38	58	3700	0.35	500	.13	.10	.08	.07	.063	.059	.055
C0603ER10NJ	IFC0603ER10NJ	10	5%	10	34	40	3600	0.42	500	.13	.10	.08	.07	.063	.059	.055
C0603ER12NJ	IFC0603ER12NJ	12	5%	11	36	45	3200	0.50	500	.13	.10	.08	.07	.063	.059	.055
C0603ER15NJ	IFC0603ER15NJ	15	5%	12	32	24	2600	0.60	400	.13	.10	.08	.07	.063	.059	.055
C0603ER18NJ	IFC0603ER18NJ	18	5%	11	30	23	2500	0.75	400	.13	.10	.08	.07	.063	.059	.055
Size																
C0805ER1N5S	IFC0805ER1N5S	1.5	0.3nH	18	57	125	>15000	0.04	1000	.13	.10	.08	.07	.063	.059	.055
C0805ER1N8S	IFC0805ER1N8S	1.8	0.3nH	12	45	58	>15000	0.06	1000	.13	.10	.08	.07	.063	.059	.055
C0805ER2N2S	IFC0805ER2N2S	2.2	0.3nH	12	45	68	>15000	0.09	1000	.13	.10	.08	.07	.063	.059	.055
C0805ER2N7S	IFC0805ER2N7S	2.7	0.3nH	12	46	71	12000	0.11	1000	.13	.10	.08	.07	.063	.059	.055
C0805ER3N3K	IFC0805ER3N3K	3.3	10%	12	46	67	11000	0.13	1000	.13	.10	.08	.07	.063	.059	.055
C0805ER3N9K	IFC0805ER3N9K	3.9	10%	15	55	80	9000	0.13	500	.13	.10	.08	.07	.063	.059	.055
C0805ER4N7K	IFC0805ER4N7K	4.7	10%	15	53	78	7000	0.16	500	.13	.10	.08	.07	.063	.059	.055
C0805ER5N6K	IFC0805ER5N6K	5.6	10%	13	53	80	6500	0.17	500	.13	.10	.08	.07	.063	.059	.055
C0805ER6N8J	IFC0805ER6N8J	6.8	5%	14	53	65	4800	0.20	500	.13	.10	.08	.07	.063	.059	.055
C0805ER8N2J	IFC0805ER8N2J	8.2	5%	15	50	77	3600	0.25	500	.13	.10	.08	.07	.063	.059	.055
C0805ER10NJ	IFC0805ER10NJ	10	5%	13	48	67	3500	0.36	500	.13	.10	.08	.07	.063	.059	.055
C0805ER12NJ	IFC0805ER12NJ	12	5%	14	48	68	3400	0.41	500	.13	.10	.08	.07	.063	.059	.055
C0805ER15NJ	IFC0805ER15NJ	15	5%	15	48	59	3100	0.49	400	.13	.10	.08	.07	.063	.059	.055
C0805ER18NJ	IFC0805ER18NJ	18	5%	14	48	48	2550	0.69	400	.13	.10	.08	.07	.063	.059	.055
C0805ER22NJ	IFC0805ER22NJ	22	5%	16	39	-	1750	0.70	400	.13	.10	.08	.07	.063	.059	.055
C0805ER27NJ	IFC0805ER27NJ	27	5%	16	41	-	1600	0.95	300	.13	.10	.08	.07	.063	.059	.055
C0805ER33NJ	IFC0805ER33NJ	33	5%	16	39 *	-	1300	1.1	300	.13	.10	.08	.07	.063	.059	.055
C0805ER39NJ	IFC0805ER39NJ	39	5%	18	32 *	-	1200	1.1	300	.13	.10	.08	.07	.063	.059	.055
C0805ER47NJ	IFC0805ER47NJ	47	5%	17	30 *	-	1060	1.2	300	.13	.10	.08	.07	.063	.059	.055

IMC-0603 SURFACE MOUNT INDUCTORS HIGH FREQUENCY, LASER SPIRAL, COATED

Features:
- High self-resonant frequency values
- High Q values relative to size at higher frequencies
- Coated coil provides protection and moisture resistance
- Compatible with vapor phase and infrared reflow soldering
- L and Q value not affected by mounting orientation

Specifications:
- Operating temperature: -40°C to +100°C
- Core Material: Ceramic

DIMENSIONS (IN.)



For quantities of 6,000 and up, call for

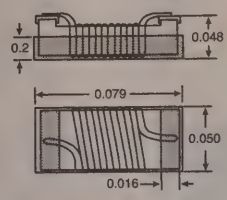
MOUSER STOCK NO.	L (nH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each 1	50	100	Reel Ea 300
70-IMC0603-2.2	2.2	.3nH	8	100	6000	0.09	500	.15	.13	.09	.0
70-IMC0603-3.3	3.3	.3nH	9	100	5500	0.12	500	.15	.13	.09	.0
70-IMC0603-4.7	4.7	5%	9	100	4800	0.17	450	.15	.13	.09	.0
70-IMC0603-10	10	5%	10	100	2800	0.32	400	.15	.13	.09	.0
70-IMC0603-22	22	5%	10	100	2000	0.5	300	.15	.13	.09	.0
70-IMC0603-33	33	5%	10	100	1800	0.6	300	.15	.13	.09	.0
70-IMC0603-47	47	5%	11	100	1800	0.95	250	.15	.13	.09	.0
70-IMC0603-82	82	5%	12	100	1500	1.5	250	.15	.13	.09	.0
70-IMC0603-100	100	5%	12	100	1300	1.8	200	.15	.13	.09	.0

IMC-0805-01 SURFACE MOUNT INDUCTORS HIGH FREQUENCY

Features:
- High self-resonant frequency values
- High Q values relative to size at higher frequencies
- Wirewound construction
- Compatible with vapor phase and infrared reflow soldering

Specifications:
- Operating temperature: -40°C to +125°C
- Core Material: Ceramic for 2.2nH to 390nH
- Ferrite for 470nH to 10,000nH

DIMENSIONS (IN.)



For quantities of 4,000 and up, call for

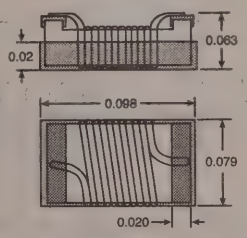
MOUSER STOCK NO.	L (nH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each 1	50	100	Reel Ea 200
70-IMC0805RK2N2S01	2.2	.3nH	50	1000	6000	0.06	600	.27	.24	.17	.1
70-IMC0805RK2N7S01	2.7	.3nH	35	1000	6000	0.08	600	.27	.24	.17	.1
70-IMC0805RK5N6J01	5.6	5%	60	1000	5800	0.08	600	.27	.24	.17	.1
70-IMC0805RK10NJ01	10	5%	60	500	4800	0.08	600	.27	.24	.17	.1
70-IMC0805RK22NJ01	22	5%	60	500	3300	0.10	600	.27	.24	.17	.1
70-IMC0805RK27NJ01	27	5%	60	500	2600	0.12	600	.27	.24	.17	.1
70-IMC0805RK47NJ01	47	5%	60	500	2100	0.15	500	.27	.24	.17	.1
70-IMC0805RKR10J01	100	5%	60	500	1200	0.43	500	.27	.24	.17	.1
70-IMC0805RKR22J01	220	5%	50	250	860	1.10	300	.27	.24	.17	.1
70-IMC0805RKR27J01	270	5%	45	250	850	1.46	250	.27	.24	.17	.1
70-IMC0805RKR47J01	470	5%	45	100	750	0.99	330	.27	.24	.17	.1
70-IMC0805RK1R0J01	1000	5%	35	50	480	2.50	120	.27	.24	.17	.1
70-IMC0805RK2R2J01	2200	5%	15	7.96	100	1.15	320	.27	.24	.17	.1
70-IMC0805RK2R7J01	2700	5%	15	7.96	100	1.25	320	.29	.25	.18	.1
70-IMC0805RK3R3J01	3300	5%	15	7.96	50	1.75	270	.29	.25	.18	.1

IMC-1008 SURFACE MOUNT INDUCTORS HIGH FREQUENCY

Features:
- High self-resonant frequency values
- High Q values at higher frequencies
- Wirewound construction
- Compatible with vapor phase and infrared reflow soldering

Specifications:
- Inductance and Q measured on HP4191A
- SRF measured on HP8753B
- Temperature range: -40°C to +85°C
- Core material: non-magnetic

DIMENSIONS (IN.)



For quantities of 4,000 and up, call for

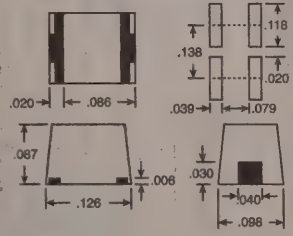
MOUSER STOCK NO.	L (nH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each 1	50	100	Reel Ea 20
70-IMC1008SY10NJ	10	5%	50	1000	4300	0.08	600	.27	.24	.17	.1
70-IMC1008SY22NJ	22	5%	60	350	2500	0.10	600	.27	.24	.17	.1
70-IMC1008SY27NJ	27	5%	60	350	1800	0.10	600	.27	.24	.17	.1
70-IMC1008SY47NJ	47	5%	60	350	1500	0.10	600	.27	.24	.17	.1
70-IMC1008SYR10J	100	5%	60	350	1100	0.18	500	.27	.24	.17	.1
70-IMC1008SYR22J	220	5%	45	100	730	0.45	500	.27	.24	.17	.1
70-IMC1008SYR27J	270	5%	45	100	650	0.75	500	.27	.24	.17	.1
70-IMC1008SYR47J	470	5%	45	100	480	1.30	400	.27	.24	.17	.1
70-IMC1008SY1R0J	1000	5%	35	50	310	3.60	90	.27	.24	.17	.1
70-IMC1008SY2R2J	2200	5%	30	7.96	105	1.55	200	.29	.25	.18	.1
70-IMC1008SY2R7J	2700	5%	30	7.96	70	1.70	195	.29	.25	.18	.1
70-IMC1008SY4R7J	4700	5%	30	7.96	43	2.30	175	.29	.25	.18	.1
70-IMC1008SY6R8J	6800	5%	25	7.96	39	2.80	165	.29	.25	.18	.1
70-IMC1008SY8R2J	8200	5%	25	7.96	36	3.05	160	.29	.25	.18	.1

IMC-1210 MOLDED SURFACE MOUNT INDUCTORS

Features:
- Printed marking
- Compatible with vapor phase and infrared reflow soldering
- Molded construction provides superior strength and moisture resistance

Specifications:
- Operating temperature: -55°C to +125°C
- Core material: Ceramic for 3.3nH to 1000nH, ferrite for 1200nH to 22,000nH

DIMENSIONS (IN.)



For quantities of 4,000 and up, call for

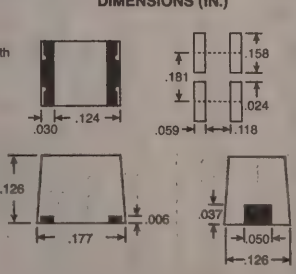
MOUSER STOCK NO.	L (µH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each 1	50	100	Reel Ea 20
70-IMC1210-.10	0.1	20%	30	50	700	0.44	450	.43	.33	.30	.1
70-IMC1210-.22	0.22	20%	30	25.2	350	0.32	484	.43	.33	.30	.1
70-IMC1210-1.0	1	10%	30	7.96	120	0.7	400	.39	.30	.28	.1
70-IMC1210-2.2	2.2	10%	30	7.96	75	1	320	.39	.30	.28	.1
70-IMC1210-2.7	2.7	10%	30	7.96	70	1.1	290	.39	.30	.28	.1
70-IMC1210-3.3	3.3	10%	30	7.96	60	1.2	260	.39	.30	.28	.1
70-IMC1210-4.7	4.7	10%	30	7.96	50	1.5	224	.39	.30	.28	.1
70-IMC1210-10	10	10%	30	2.52	33	2.1	189	.39	.30	.28	.1
70-IMC1210-22	22	10%	30	2.52	19	3.7	145	.51	.39	.36	.2
70-IMC1210-100	100	10%	20	0.796	9	14	73	.51	.39	.36	.2

IMC-1812 MOLDED SURFACE MOUNT INDUCTORS

Features:
- Molded construction provides superior strength and moisture resistance
- Printed marking
- Compatible with vapor phase and infrared reflow soldering

Specifications:
- Inductance tolerance: ±10%
- Temperature range: -40°C to +105°C
- Core material: powdered iron for 1.0µH to 100µH, ferrite for 150µH to 1000µH

DIMENSIONS (IN.)



For quantities of 1,000 and up, call for

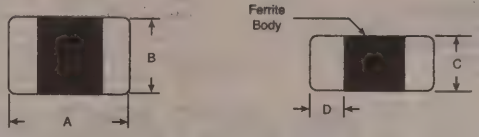
MOUSER STOCK NO.	L (µH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each 1	50	100	Reel Ea 5
70-IMC1812-1.0	1	10%	50	7.96	100	0.5	450	.68	.45	.40	
70-IMC1812-1.2	1.2	10%	50	7.96	80	0.55	430	.68	.45	.40	
70-IMC1812-1.5	15	10%	50	7.96	70	.60	410	.68	.45	.40	
70-IMC1812-2.7	2.7	10%	50	7.96	50	0.75	370	.68	.45	.40	
70-IMC1812-4.7	4.7	10%	50	7.96	35	1	315	.68	.45	.40	
70-IMC1812-5.6	5.6	10%	50	7.96	33	1.1	300	.70	.47	.42	
70-IMC1812-10	10	10%	50	2.52	20	1.6	250	.68	.45	.40	
70-IMC1812-15	15	10%	50	2.52	17	2.5	200	.70	.47	.42	
70-IMC1812-47	47	10%	50	2.52	10	5	140	.78	.52	.46	
70-IMC1812-100	100	10%	40	0.79	8	8	110	.78	.52	.46	
70-IMC1812-220	220	10%	40	0.79	4	10	100	.78	.52	.46	
70-IMC1812-1000	1000	10%	30	0.25	2.5	40	30	.95	.63	.56	

ILHB SERIES - HIGH CURRENT MULTILAYER FERRITE BEADS

DIMENSIONS IN. (mm)

es:
eliability
e mountable
nt rating up to 6 amps.
etically self shielded.
barrier plating virtually eliminates silver migration
Lead (Pb)-free and RoHS compliant
and Reel

Environmental Specifications:
- Operating Temperature: -55°C to +125°C
- Thermal Shock: 100 cycles, -40°C to + 125°C
- Biased Humidity: 85% RH at 85°C, 1000 hours at full rated current.



LEAD-FREE

	DIMENSIONS: In (mm)			
	A	B	C	D
0603	0.06 ± 0.006 (1.6 ± 0.15)	0.03 ± 0.006 (0.8 ± 0.15)	0.03 ± 0.006 (0.8 ± 0.15)	0.012 ± 0.008 (0.30 ± 0.20)
0805	0.079 ± 0.008 (2.0 ± 0.20)	0.049 ± 0.008 (1.25 ± 0.20)	0.035 ± 0.008 (0.9 ± 0.20)	0.02 ± 0.0012 (0.50 ± 0.30)
1206	0.126 ± 0.008 (3.2 ± 0.20)	0.063 ± 0.008 (1.6 ± 0.20)	0.043 ± 0.008 (1.1 ± 0.20)	0.02 ± 0.0012 (0.50 ± 0.30)
1806	0.177 ± 0.010 (4.5 ± 0.25)	0.063 ± 0.008 (1.6 ± 0.20)	0.063 ± 0.008 (1.6 ± 0.20)	0.024 ± 0.0016 (0.60 ± 0.40)
1812	0.177 ± 0.010 (4.5 ± 0.25)	0.126 ± 0.010 (3.2 ± 0.25)	0.06 ± 0.01 (1.5 ± 0.25)	0.024 ± 0.0016 (0.60 ± 0.40)

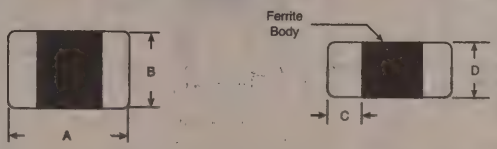
For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Impedance (±25%)	Impedance Test Freq. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Price Each 1	100	500	1000
70-ILHB0603ER121V	ILHB0603ER121V	120	100	0.1	2000	.05	.04	.03	.02
70-ILHB0805ER900V	ILHB0805ER900V	90	100	0.025	5000	.06	.05	.04	.03
70-ILHB0805ER251V	ILHB0805ER251V	250	100	0.04	3000	.06	.05	.04	.03
70-ILHB1206ER601V	ILHB1206ER601V	600	100	0.1	2500	.10	.08	.06	.05
70-ILHB1806ER600V	ILHB1806ER600V	60	100	0.02	6000	.20	.15	.13	.10
70-ILHB1812ER121V	ILHB1812ER121V	120	100	0.02	6000	.18	.14	.11	.09

ILBB-0603/0805 MULTILAYER FERRITE BEADS

DIMENSIONS IN. (mm)

res:
reliability
ce mountable
etically self shielded
l barrier plating



nmental Specifications:
ting Temperature: -55°C to +125°C
al Shock: 100 cycles, -40°C to + 125°C
d Humidity: 85% RH at 85°C

LEAD-FREE

	DIMENSIONS: In (mm)			
	A	B	C	D
0402	0.04±0.004 (1.0±.1)	0.02±0.004 (0.5±0.1)	0.02±0.004 (0.5±0.1)	0.01±0.004 (0.25±0.1)
0603	0.063 ± .006 (1.6 ± 0.15)	0.032 ± .006 (0.8 ± 0.15)	0.014 ± .006 (0.36 ± 0.15	0.032 ± .006 (0.8 ± 0.15)
0805	0.079 ± .008 (2.0 ± 0.2)	0.049 ± .008 (1.25 ± 0.2)	0.020 ± .0012 (0.5 ± 0.3	0.035 ± .008 (0.9 ± 0.2)

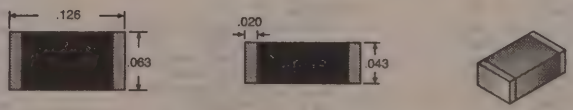
For quantities of 6000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Z @ 100MHz (±25%)	DCR max. (Ω)	Rated DC Current (mA)	Price Each 1	100	500	1000	4000
0402 Size									
70-ILBB0402ER121V	ILBB0402ER121V	120	0.45	300	.08	.06	.05	.04	.035
70-ILBB0402ER601V	ILBB0402ER601V	600	1.00	200	.08	.06	.05	.04	.035
70-ILBB0402ER600V	ILBB0402ER600V	60	0.30	300	.08	.06	.05	.04	.035
0603 Size									
70-ILBB0603ER600V	ILBB0603ER600V	60	0.1	400	.15	.12	.07	.066	.056
70-ILBB0603ER680V	ILBB0603ER680V	68	0.1	200	.15	.12	.07	.066	.056
70-ILBB0603ER121V	ILBB0603ER121V	120	0.2	150	.15	.12	.07	.066	.056
70-ILBB0603ER601V	ILBB0603ER601V	600	0.45	100	.15	.12	.07	.066	.056
70-ILBB0603ER751V	ILBB0603ER751V	750	0.6	100	.17	.10	.05	.046	.036
70-ILBB0603ER102V	ILBB0603ER102V	1K	0.6	100	.17	.10	.05	.046	.036
0805 Size									
70-ILBB0805ER110V	ILBB0805ER110V	11	0.06	600	.17	.10	.05	.046	.036
70-ILBB0805ER170V	ILBB0805ER170V	17	0.06	600	.17	.10	.05	.046	.036
70-ILBB0805ER320V	ILBB0805ER320V	32	0.06	600	.17	.10	.05	.046	.036
70-ILBB0805ER800V	ILBB0805ER800V	80	0.15	300	.17	.10	.05	.046	.036
70-ILBB0805ER121V	ILBB0805ER121V	120	0.15	300	.17	.10	.05	.046	.036
70-ILBB0805ER151V	ILBB0805ER151V	150	0.15	300	.17	.10	.05	.046	.036
70-ILBB0805ER301V	ILBB0805ER301V	300	0.2	200	.17	.10	.05	.046	.036
70-ILBB0805ER601V	ILBB0805ER601V	600	0.3	200	.17	.10	.05	.046	.036
70-ILBB0805ER102V	ILBB0805ER102V	1K	0.35	100	.20	.13	.08	.076	.066
70-ILBB0805ER202V	ILBB0805ER202V	2K	0.5	80	.20	.13	.08	.076	.066

ILB-1206 MULTILAYER FERRITE BEADS

DIMENSIONS (IN.)

se:
eliability
e mountable
range: -55°C to +125°C



nmental Specifications:
al shock: 50 cycles, -55°C to +125°C
ity: 90%RH @ + 40°C with 200mA DC current, 500 hours
life: + 90°C @ full rated current for 2000 hours

LEAD-FREE

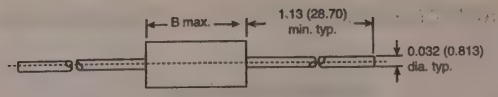
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Imp. (Ω)	Tol.	Frequency (MHz)	DCR Max (Ω)	Rated DC Current (mA)	Price Each 1	50	100	Reel Price Each 3000
70-ILB1206ER190V	ILB1206ER190V	19	±25%	100	.05	500	.24	.19	.17	.09
70-ILB1206ER260V	ILB1206ER260V	26	±25%	100	.05	500	.24	.19	.17	.09
70-ILB1206ER310V	ILB1206ER310V	31	±25%	100	.05	500	.24	.19	.17	.09
70-ILB1206ER500V	ILB1206ER500V	50	±25%	100	.1	350	.24	.19	.17	.09
70-ILB1206ER700V	ILB1206ER700V	70	±25%	100	.15	250	.24	.19	.17	.09
70-ILB1206ER121V	ILB1206ER121V	120	±25%	100	.2	250	.24	.19	.17	.09
70-ILB1206ER151V	ILB1206ER151V	150	±25%	100	.2	250	.24	.19	.17	.09
70-ILB1206ER301V	ILB1206ER301V	300	±25%	100	.3	250	.28	.23	.21	.11
70-ILB1206ER501V	ILB1206ER501V	500	±25%	100	.5	200	.28	.23	.21	.11
70-ILB1206ER601V	ILB1206ER601V	600	±25%	100	.5	200	.28	.23	.21	.11

VISHAY / DALE Axial Lead and Surface Mount Inductors

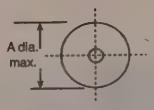
IHD FILTER INDUCTORS-HIGH CURRENT

DIMENSIONS IN.



Electrical Specifications:
- Inductance: measured at 1V with no DC current
- Operating Temperature: -55°C to +125°C (no Load)
  -55°C to +85°C (at full rated current)
- Tolerance: 15%

Mechanical Specifications:
- Wire: solid soft copper
- Terminals: 20 AWG tinned copper leads
- Coating: polyolefin tubing
- Core Material: ferrite



Model	A (max.)	B (max.)
IHD-1	0.270 (6.85)	0.7 (17.78)
IHD-3	0.46 (11.68	0.9 (22.86)

For quantities of 500 and up, call fo

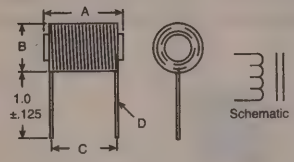
MOUSER STOCK NO.	Vishay Part No.	Ind. @ 1kHz (μH)	DCR (Ω)	Rated Current (max. Amps)	Price Each 1	25	50
70-IHD1-5.6	IHD1BH5R6L	5.6	0.024	3.2	2.76	2.30	1.84
70-IHD1-47	IHD1BH470L	47	0.104	1.6	3.09	2.58	2.06
70-IHD1-68	IHD1BH680L	68	0.145	1.3	3.09	2.58	2.06
70-IHD1-220	IHD1BH221L	220	0.505	0.70	1.98	1.77	1.61
70-IHD1-330	IHD1BH331L	330	0.650	0.62	3.09	2.58	2.06
70-IHD1-1000	IHD1BH102L	1K	2.300	0.33	4.60	3.45	2.88
70-IHD3-220	IHD3BH221L	220	0.162	1.6	2.97	2.48	1.98
70-IHD3-330	IHD3BH331L	330	0.257	1.6	3.36	2.80	2.24
70-IHD3-1K	IHD3BH102L	1K	0.844	0.80	3.36	2.80	2.24
70-IHD3-1.5K	IHD3BH152L	1.5K	1.180	0.60	3.36	2.80	2.24

IH HIGH CURRENT FILTER INDUCTORS

DIMENSIONS (IN.)

Features:
- Printed circuit mounting
- Pre-tinned leads
- Protected by polyolefin tubing

Specifications:
- Tolerance: ±10%
- Inductance: measured at 1V with no DC current
- Operating temperature:
  -55°C to +75°C @ rated current



For quantities of 50 and up, call fo

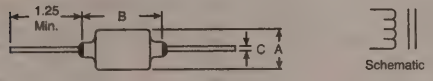
MOUSER STOCK NO.	Vishay Part No.	Ind. @ 1kHz (μH)	DCR max. (Ω)	Rated Current (A)	Dimensions (In.) A max.	B max.	C±.062	D±.005	Price Ea 1	10
70-IH3-5	IHA101BA	5	.015	10.0	.875	.600	.500	.042	7.00	4.75
70-IH3-10	IHA102BA	10	.018	9.0	1.125	.625	.687	.042	7.29	4.94
70-IH3-27	IHA103BA	27	.035	7.0	.875	.800	.437	.042	7.85	5.30
70-IH3-50	IHA104BA	50	.050	5.6	.875	.800	.750	.042	8.05	5.45
70-IH3-100	IHA105BA	100	.065	5.2	1.125	.800	.937	.042	8.53	5.78
70-IH3-150	IHA201BA	150	.075	5.0	1.375	.800	1.062	.042	9.18	6.20
70-IH3-250	IHA202BA	250	.090	5.0	1.625	.800	1.312	.042	9.60	6.50
70-IH5-5	IHA203BA	5	.012	14.0	.875	.625	.750	.053	7.00	4.75
70-IH5-10	IHA204BA	10	.015	12.0	1.125	.625	1.000	.053	7.00	4.75
70-IH5-50	IHA205BA	50	.030	8.0	1.125	.840	.750	.053	7.95	5.40
70-IH5-100	IHA301BA	100	.050	7.5	1.375	.860	1.000	.053	8.70	5.90
70-IH10-10	IHA302BA	10	.012	16.0	1.375	.635	1.218	.065	7.68	5.21
70-IH10-27	IHA303BA	27	.018	12.5	1.125	.935	.687	.065	8.12	5.50
70-IH10-100	IHA304BA	100	.030	10.0	1.625	.935	1.312	.065	10.01	6.78
70-IH15-27	IHA305BA	27	.015	16.0	1.375	1.000	.937	.082	9.52	6.45

IHA HIGH CURRENT FILTER INDUCTORS

Features:
- Printed circuit mounting (axial leads)
- Pre-tinned leads
- Designed for use with switching power supplies
- Protected by polyolefin sleeve

Specifications:
- Tolerance: ±10%
- Inductance: measured at 1V with no DC current
- Current rating: maximum continuous operating current (DC or RMS) based on 50°C temperature rise
- Operating temperature: -55°C to +75°C @ rated current

DIMENSIONS (IN.)



For quantities of 50 and up, call fo

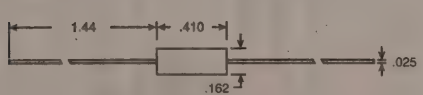
MOUSER STOCK NO.	Vishay Part No.	Ind. @ 1kHz (μH)	DCR max. (Ω)	Rated Current (A)	Dimensions (In.) A max.	B max.	C±.002	Price Ea 1	10
70-IHA-101	IH03BQ5R0K	50	.12	2.5	.475	.800	.032	2.80	1.90
70-IHA-102	IH03BQ100K	100	.16	2.1	.475	.800	.032	2.80	1.90
70-IHA-103	IH03BQ270K	250	.28	1.8	.475	1.050	.032	3.20	2.15
70-IHA-104	IH03BQ500K	500	.42	1.6	.550	1.050	.032	3.20	2.15
70-IHA-105	IH03BQ101K	1000	.60	1.4	.550	1.175	.032	3.65	2.50
70-IHA-201	IH03BQ151K	27	.060	3.7	.500	.800	.032	2.80	1.90
70-IHA-202	IH03BQ251K	50	.085	3.1	.500	.800	.032	2.80	1.90
70-IHA-203	IH05BQ5R0K	100	.12	2.7	.500	.920	.032	3.20	2.15
70-IHA-204	IH05BQ100K	250	.20	2.4	.600	.920	.032	3.20	2.15
70-IHA-205	IH05BQ500K	500	.32	2.3	.750	1.050	.032	4.85	3.30
70-IHA-301	IH05BQ101K	5	.015	6.8	.475	.800	.032	2.80	1.90
70-IHA-302	IH10BQ100K	10	.021	6.1	.475	.920	.032	2.80	1.90
70-IHA-303	IH10BQ270K	27	.040	4.8	.550	.800	.032	2.80	1.90
70-IHA-304	IH10BQ101K	50	.050	4.3	.550	.920	.032	2.80	1.90
70-IHA-305	IH15BQ270K	100	.070	4.2	.550	1.175	.032	3.20	2.15
70-IHA-502	IH03BQ5R0K	10	.015	8.3	.475	1.050	.040	3.65	2.50
70-IHA-505	IH03BQ100K	100	.060	5.9	.700	1.300	.040	4.85	3.30

IMS-5 INDUCTORS - MOLDED, SHIELDED TYPE LT AND COMMERCIAL

Specifications:
- Meets MIL spec.: MIL-C-15305
- Insulation resistance: 1000MΩ
- Dielectric strength: 1000VAC
- Operating temperature range:
  -55°C to +105°C
- Tolerance: ±10%

Features:
- Wide inductance range in small package
- Flame retardant coating
- Precision performance, excellent reliability, sturdy construction
- Epoxy molded construction provides superior moisture protection

DIMENSIONS (IN.)



For quantities of 50 and up, call f

MOUSER STOCK NO.	Vishay Part No.	L (μH)	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. Ohms	Idc Max (mA)	Price Ea 1	10
70-IMS5-1.0	IMS05BH1R0K	1.0	44	25.0	140.0	.07	1070	1.14	.77
70-IMS5-2.2	IMS05BH2R2K	2.2	44	7.9	100.0	.19	650	1.08	.73
70-IMS5-3.3	IMS05BH3R3K	3.3	44	7.9	85.0	.35	480	1.08	.73
70-IMS5-4.7	IMS05BH4R7K	4.7	44	7.9	70.0	.55	380	1.08	.73
70-IMS5-10	IMS05BH100K	10.0	50	7.9	46.0	1.62	220	1.08	.73
70-IMS5-15	IMS05BH150K	15.0	45	2.5	49.0	.80	315	1.08	.73
70-IMS5-18	IMS05BH180K	18.0	45	2.5	45.0	.89	300	1.08	.73
70-IMS5-22	IMS05BH220K	22.0	45	2.5	41.0	.96	290	1.08	.73
70-IMS5-27	IMS05BH270K	27.0	45	2.5	38.0	1.19	260	1.08	.73
70-IMS5-33	IMS05BH330K	33.0	45	2.5	34.0	1.37	240	1.08	.73
70-IMS5-39	IMS05BH390K	39.0	50	2.5	29.0	1.93	205	1.08	.73
70-IMS5-47	IMS05BH470K	47.0	50	2.5	27.0	2.11	195	1.08	.73
70-IMS5-56	IMS05BH560K	56.0	50	2.5	25.0	2.23	190	1.08	.73
70-IMS5-100	IMS05BH101K	100.0	50	2.5	10.0	3.12	160	1.14	.77
70-IMS5-150	IMS05BH151K	150.0	55	.8	8.5	4.10	140	1.14	.77
70-IMS5-220	IMS05BH221K	220.0	55	.8	7.5	5.00	125	1.14	.77
70-IMS5-470	IMS05BH471K	470.0	60	.8	5.7	9.50	92	1.26	.85
70-IMS5-1000	IMS05BH102K	1000.0	60	.8	3.8	17.50	70	1.26	.85
70-IMS5-2200	IMS05BH222K	2200.0	45	.3	1.0	33.80	50	1.26	.85
70-IMS5-3300	IMS05BH332K	3300.0	45	.3	.8	53.00	40	1.31	.88
70-IMS5-4700	IMS05BH472K	4700.0	45	.3	.7	81.60	31	1.31	.88
70-IMS5-5600	IMS05BH562K	5600.0	44	.3	.7	98.90	28	1.46	.99
70-IMS5-6800	IMS05BH682K	6800.0	40	.3	.7	111.00	27	1.46	.99

MOUSER a tti company (800) 346-6873

IM-2 MOLDED INDUCTORS

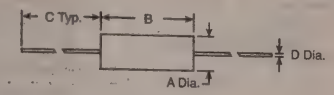
DIMENSIONS In. (mm)

cations:

ion resistance: 1000MΩ min.
tric strength: 1000VAC
nce Standard = 10%, values 56μH > 5%

es:

nductance range in small package
retardant coating
ion performance, excellent reliability,
construction
molded construction provides
or moisture protection



Model		A	B	C	D
IM-2	max.	.105 (2.67)	.260 (6.60)	1.63 (41.4)	.0215 (.546)
	min.	.085 (2.16)	.240 (6.10)	1.25 (31.7)	.0185 (.470)
IM-3	max.	.165 (4.19)	.385 (9.78)	1.63 (41.4)	.027 (.686)
	min.	.145 (3.68)	.365 (9.27)	1.25 (31.7)	.023 (.584)

For quantities of 50 and up, call for quote.

OUSER CK NO.	L (μH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each 1	10	25
-.10	0.1	10%	40	25	680	0.08	1350	.53	.36	.29
-.12	0.12	10%	40	25	640	0.09	1270	.53	.36	.29
-.15	0.15	10%	38	25	600	0.1	1200	.53	.36	.29
-.18	0.18	10%	35	25	550	0.12	1105	.53	.36	.29
-.22	0.22	10%	33	25	510	0.14	1025	.53	.36	.29
-.27	0.27	10%	33	25	430	0.16	960	.53	.36	.29
-.33	0.33	10%	30	25	410	0.22	815	.53	.36	.29
-.39	0.39	10%	30	25	365	0.3	700	.53	.36	.29
-.47	0.47	10%	30	25	330	0.35	650	.53	.36	.29
-.56	0.56	10%	30	25	300	0.5	545	.53	.36	.29
-.68	0.68	10%	28	25	275	0.6	495	.53	.36	.29
-.82	0.82	10%	28	25	250	0.85	415	.53	.36	.29
-1.0	1.0	10%	25	25	230	1	385	.53	.36	.29
-1.2	1.2	10%	25	7.9	150	0.18	590	.65	.44	.36
-1.5	1.5	10%	28	7.9	140	0.22	535	.65	.44	.36
-2.2	2.2	10%	30	7.9	115	0.4	395	.65	.44	.36
-2.7	2.7	10%	37	7.9	100	0.55	355	.65	.44	.36
-3.3	3.3	10%	45	7.9	90	0.85	270	.65	.44	.36
-3.9	3.9	10%	45	7.9	80	1	250	.65	.44	.36
-4.7	4.7	10%	45	7.9	75	1.2	230	.65	.44	.36
-5.6	5.6	10%	50	7.9	65	1.8	185	.65	.44	.36
-6.8	6.8	10%	50	7.9	60	2	175	.65	.44	.36
-8.2	8.2	10%	55	7.9	55	2.7	155	.65	.44	.36
-10	10	10%	55	7.9	50	3.7	130	.65	.44	.36
-12	12	10%	45	2.5	40	2.7	155	.65	.44	.36
-15	15	10%	40	2.5	35	2.8	150	.65	.44	.36
-18	18	10%	50	2.5	30	3.1	145	.65	.44	.36
-22	22	10%	50	2.5	25	3.3	140	.65	.44	.36
-27	27	10%	50	2.5	20	3.5	135	.65	.44	.36
-33	33	10%	45	2.5	24	3.4	130	.65	.44	.36
-39	39	10%	45	2.5	22	3.6	125	.65	.44	.36
-47	47	10%	45	2.5	20	4.5	110	.70	.48	.39
-56	56	10%	45	2.5	18	5.7	100	.70	.48	.39
-68	68	10%	50	2.5	15	6.7	92	.90	.64	.51
-82	82	10%	50	2.5	14	7.3	88	1.04	.74	.59
-100	100	10%	50	2.5	13	8	84	.81	.58	.46
-120	120	10%	30	0.79	12	13	66	1.04	.74	.59
-180	180	10%	30	0.79	10	17	57	1.04	.74	.59
-220	220	10%	30	0.79	9	21	52	.81	.58	.46
-270	270	10%	30	0.79	8	25	47	.87	.62	.50
-330	330	10%	30	0.79	7	28	45	.87	.62	.50
-390	390	10%	30	0.79	6.5	35	40	1.15	.82	.66
-470	470	10%	30	0.79	6	42	36	.87	.62	.50
-560	560	10%	30	0.79	5	46	35	1.15	.82	.66
-680	680	10%	30	0.79	4	60	30	1.15	.82	.66
-820	820	10%	30	0.79	3.8	65	29	1.23	.88	.70
-1000	1000	10%	30	0.79	3.4	72	28	1.03	.73	.59
-.15	0.15	10%	50	25	525	0.03	2450	.95	.68	.54
-.33	0.33	10%	45	25	360	0.09	1400	.95	.68	.54
-.47	0.47	10%	45	25	310	0.12	1225	.95	.68	.54
-1.0	1	10%	50	25	200	0.29	785	.52	.37	.29
-1.2	1.2	10%	33	7.9	180	0.42	650	.52	.37	.29
-1.5	1.5	10%	33	7.9	160	0.5	600	.70	.50	.40
-1.8	1.8	10%	33	7.9	150	0.65	525	.52	.37	.29
-2.2	2.2	10%	33	7.9	135	0.95	435	.70	.50	.40
-2.7	2.7	10%	33	7.9	120	1.2	385	.52	.37	.29
-3.3	3.3	10%	33	7.9	110	2	300	.52	.37	.29
-3.9	3.9	10%	33	7.9	100	2.3	280	.52	.37	.29
-4.7	4.7	10%	33	7.9	90	2.6	260	.52	.37	.29
-6.8	6.8	10%	50	7.9	55	0.5	395	.61	.44	.35
-10	10	10%	55	7.9	45	0.9	290	.61	.44	.35
-12	12	10%	65	2.5	42	1.1	265	.61	.44	.35
-15	15	10%	65	2.5	40	1.4	240	.61	.44	.35
-18	18	10%	75	2.5	34	2.25	185	.78	.56	.45
-22	22	10%	75	2.5	30	2.5	175	.61	.44	.35
-33	33	10%	65	2.5	19	3	165	.78	.56	.45
-47	47	10%	55	2.5	13	2.75	170	.84	.60	.48
-100	100	10%	50	2.5	9.5	4.5	133	.87	.62	.50
-220	220	10%	65	0.79	6.2	7.45	103	1.01	.72	.58
-240	240	10%	65	0.79	5.9	7.8	101	1.01	.72	.58
-470	470	10%	65	0.79	3.9	17.9	100	1.09	.78	.62

IR SERIES EPOXY CONFORMAL COATED INDUCTORS

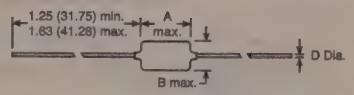
DIMENSIONS In. (mm)

Specifications:

- Insulation Resistance: 1000MΩ min.
- Dielectric Strength: 1000VAC

Features:

- Flame retardant coating
- Color band identification
- Excellent environmental characteristics
- Comparable in quality to molded chokes at a lower price
- Uniform coating is excellent for automatic insertion
- Epoxy coating is more durable than lacquer coated models, yet is priced comparable



Model	A	B	C	D
IR-2	.260 (6.60)	.120 (3.05)	.330 (8.38)	.0200 (0.508)
IR-4	.385 (9.78)	.180 (4.57)	.440 (11.18)	.0250 (0.635)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each 1	10	25
70-IR2-.1	0.1	10%	40	25	680	0.08	1350	.56	.40	.32
70-IR2-.15	0.15	10%	38	25	600	0.1	1200	.56	.40	.32
70-IR2-.22	0.22	10%	33	25	510	0.14	1025	.56	.40	.32
70-IR2-.39	0.39	10%	30	25	365	0.3	700	.56	.40	.32
70-IR2-1.2	1.2	10%	25	7.9	150	0.18	590	.70	.50	.40
70-IR2-1.5	1.5	10%	28	7.9	140	0.22	535	.70	.50	.40
70-IR2-1.8	1.8	10%	30	7.9	125	0.3	455	.70	.50	.40
70-IR2-2.7	2.7	10%	37	7.9	100	0.55	355	.70	.50	.40
70-IR2-3.3	3.3	10%	45	7.9	90	0.85	270	.70	.50	.40
70-IR2-3.9	3.9	10%	45	7.9	80	1	250	.70	.50	.40
70-IR2-6.8	6.8	10%	50	7.9	60	2	175	.70	.50	.40
70-IR2-8.2	8.2	10%	55	7.9	55	2.7	155	.70	.50	.40
70-IR2-10	10	10%	55	7.9	50	3.7	130	.70	.50	.40
70-IR2-12	12	10%	45	2.5	40	2.7	155	.70	.50	.40
70-IR2-27	27	10%	50	2.5	20	3.5	135	.70	.50	.40
70-IR2-47	47	10%	45	2.5	20	4.5	110	.78	.56	.45
70-IR2-56	56	10%	45	2.5	18	5.7	100	.78	.56	.45
70-IR2-1000	1000	10%	30	0.79	3.4	72	28	1.12	.80	.64
70-IR4-.22	0.22	10%	50	25	450	0.055	1810	1.09	.78	.62
70-IR4-5.6	5.6	10%	45	7.9	60	32	495	.64	.46	.37
70-IR4-18	18	10%	75	2.5	34	2.25	185	.64	.46	.37
70-IR4-22	22	10%	75	2.5	30	2.5	175	.64	.46	.37
70-IR4-J-56	56	5%	55	2.5	12	3	164	.73	.52	.42
70-IR4-J-68	68	5%	55	2.5	11	3.3	156	.73	.52	.42
70-IR4-J-100	100	5%	50	2.5	9.5	4.5	133	.78	.56	.45
70-IR4-J-110	110	5%	60	0.79	8.9	4.9	128	.78	.56	.45
70-IR4-J-220	220	5%	65	0.79	6.2	7.45	103	.87	.62	.50
70-IR4-J-1200	1200	5%	30	0.25	2	45.7	63	1.12	.80	.64

IRF SERIES EPOXY CONFORMAL COATED INDUCTORS

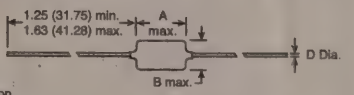
DIMENSIONS In. (mm)

Specifications:

- Insulation Resistance: 1000MΩ min.
- Operating Temperature: -55°C to +105°C

Features:

- Flame retardant coating and color band identification
- Uniform coating is excellent for automatic insertion
- Superior electrical specifications: high Q and self resonant frequency, low DC resistance, high rated current
- Core: Ferrite



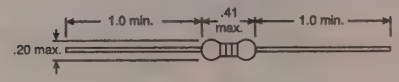
Model	A	B	C	D
IRF-1	.260 (6.60)	.120 (3.05)	.330 (8.38)	.0200 (0.508)
IRF-3	.385 (9.78)	.180 (4.57)	.440 (11.18)	.0250 (0.635)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each 1	10	25
70-IRF1-1.0	1	10%	50	25	180	0.15	815	.62	.44	.35
70-IRF1-1.2	1.2	10%	50	7.9	165	0.18	740	.62	.44	.35
70-IRF1-1.5	1.5	10%	50	7.9	150	0.2	700	.62	.44	.35
70-IRF1-4.7	4.7	10%	50	7.9	75	0.35	530	.62	.44	.35
70-IRF1-5.6	5.6	10%	50	7.9	65	0.4	500	.62	.44	.35
70-IRF1-18	18	10%	50	2.5	30	1	315	.56	.40	.32
70-IRF1-100	100	10%	60	2.5	13	3.5	165	.56	.40	.32
70-IRF1-180	180	10%	60	0.79	4.35	5	140	.56	.40	.32
70-IRF3-.22	0.22	10%	55	25	380	0.1	1400	.56	.40	.32
70-IRF3-1.0	1	10%	55	25	157	0.19	920	.48	.34	.27
70-IRF3-1.8	1.8	10%	55	7.9	121	0.25	790	.48	.34	.27
70-IRF3-2.2	2.2	10%	55	7.9	110	0.28	750	.48	.34	.27
70-IRF3-2.7	2.7	10%	60	7.9	100	0.3	720	.48	.34	.27
70-IRF3-3.3	3.3	10%	65	7.9	94	0.34	670	.48	.34	.27
70-IRF3-4.7	4.7	10%	70	7.9	80	0.39	620	.48	.34	.27
70-IRF3-5.6	5.6	10%	70	7.9	74	0.43	590	.48	.34	.27
70-IRF3-10	10	10%	85	7.9	45	0.58	500	.48	.34	.27
70-IRF3-18	18	10%	65	2.5	34	0.77	430	.48	.34	.27
70-IRF3-22	22	10%	60	2.5	30	0.84	410	.48	.34	.27
70-IRF3-33	33	10%	55	2.5	19	1.03	370	.48	.34	.27
70-IRF3-39	39	10%	50	2.5	14.5	1.12	350	.48	.34	.27
70-IRF3-47	47	10%	45	2.5	13	1.22	340	.48	.34	.27
70-IRF3-100	100	10%	30	2.5	9.5	1.8	275	.50	.36	.29
70-IRF3-220	220	10%	70	0.79	3	5.1	155	.50	.36	.29
70-IRF3-330	330	10%	70	0.79	2.6	6.4	137	.73	.52	.42
70-IRF3-820	820	10%	65	0.79	1.85	10.5	105	.48	.34	.27

XICON Epoxy Coated, Molded, RF Chokes and Tunable Coils

MINIATURE EPOXY COATED CHOKES



DIMENSIONS (IN)

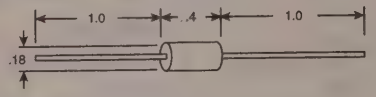
For quantities 2000 and up, call for quote.

Price Each			
1	100	500	1000
.41	.31	.24	.20

Specifications:
- Smaller than 1/2 watt resistor
- Moisture resistant
- EIA color code

MOUSER STOCK NO.	L (µH)	Tol. ±%	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43LS227	.22	10	50	25.2	300.0	.12	1400
43LS337	.33	10	55	25.2	250.0	.14	1280
43LS477	.47	10	50	25.2	220.0	.17	1150
43LS687	.68	10	55	25.2	190.0	.20	1030
43LS106	1.00	5	45	25.2	157.0	.21	920
43LS126	1.20	5	50	7.96	144.0	.22	880
43LS156	1.50	5	50	7.96	131.0	.23	830
43LS226	2.20	5	55	7.96	110.0	.28	750
43LS276	2.70	5	60	7.96	100.0	.30	720
43LS336	3.30	5	65	7.96	94.0	.34	670
43LS476	4.70	5	70	7.96	56.0	.39	620
43LS566	5.60	5	70	7.96	50.0	.43	590
43LS686	6.80	5	75	7.96	40.0	.49	550
43LS105	10.00	5	65	7.96	30.0	.63	500
43LS125	12.00	5	55	2.52	25.0	.65	480
43LS155	15.00	5	55	2.52	20.0	.81	460
43LS185	18.00	5	50	2.52	14.0	.82	430
43LS225	22.00	5	50	2.52	9.0	.95	410
43LS275	27.00	5	45	2.52	7.0	1.05	390
43LS335	33.00	5	45	2.52	6.0	1.05	370
43LS395	39.00	5	45	2.52	6.0	1.10	350
43LS475	47.00	5	40	2.52	6.0	1.31	340
43LS565	56.00	5	40	2.52	5.5	1.38	320
43LS685	68.00	5	40	2.52	5.0	1.62	305
43LS825	82.00	5	35	2.52	5.0	1.71	290
43LS104	100.00	5	30	2.52	4.5	2.10	275
43LS154	150.00	5	55	.796	3.0	3.45	175
43LS224	220.00	5	60	.796	2.5	4.54	155
43LS334	330.00	5	60	.796	2.0	6.40	137
43LS474	470.00	5	60	.796	1.9	7.70	126
43LS564	560.00	5	60	.796	1.8	8.50	120
43LS103	1000.00	5	40	.796	1.0	14.00	109

QUALITY MOLDED CHOKES



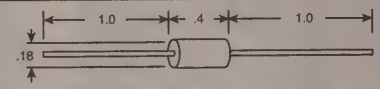
DIMENSIONS (IN)

For quantities 2000 and up, call for quote.

Price Each			
1	100	500	1000
.65	.59	.54	.49

Specifications:
- Moisture resistant
- Tolerance: ± 10%
- Smaller than 1/2 watt resistor

MOUSER STOCK NO.	L (µH)	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43HH106	1.0	50	25.2	200	0.29	785
43HH226	2.2	33	7.9	135	0.95	435
43HH476	4.7	33	7.9	90	2.60	260
43HH105	10	55	7.9	45	0.90	290
43HH225	22	75	2.5	30	2.50	175
43HH475	47	55	2.5	13.0	2.75	170
43HH104	100	50	2.5	9.5	4.50	133
43HH154	150	65	0.79	8.0	6.05	114
43HH224	220	65	0.79	6.2	7.45	103
43HH474	470	65	0.79	3.9	17.9	100
43HH103	1000	55	0.79	2.3	33.1	74



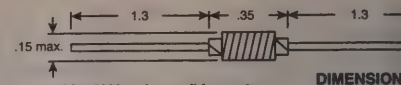
For quantities 2000 and up, call for quote.

Price Each			
1	100	500	1000
.86	.72	.65	.59

Specifications:
- Tolerance: ± 3%

MOUSER STOCK NO.	L (µH)	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43HG227	0.22	50	25.2	450	.055	1810
43HG687	0.68	50	25.2	200	.29	785
43HG827	0.82	50	25.2	200	.29	785
43HG106	1	50	25.2	200	.29	785
43HG226	2.2	33	7.9	135	.95	435
43HG476	4.7	33	7.9	90	2.6	260

SUB-MINIATURE RF CHOKES



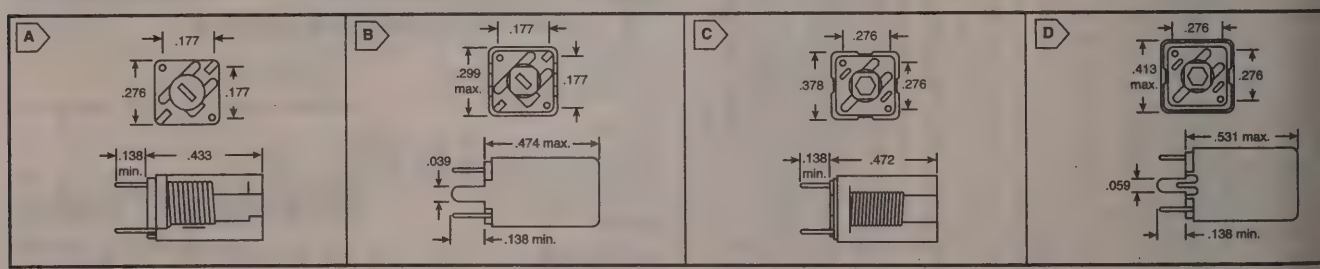
DIMENSION

For quantities 2000 and up, call for quote.

Price Each			
1	100	500	1000
.38	.26	.24	.22

- Inductive tolerance: .10 to 1.0µH ±20%; 1.2 to 1000µH ±10%
- Varnished dipped
- Core materials: Ferrite

MOUSER STOCK NO.	L (µH)	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Ma Cu
43LQ107	.10	45	25.2	575	.025	
43LQ157	.15	45	25.2	500	.03	
43LQ227	.22	45	25.2	400	.04	
43LQ337	.33	45	25.2	325	.075	
43LQ477	.47	45	25.2	275	.15	
43LQ687	.68	45	25.2	225	.25	
43LQ757	.75	45	25.2	200	.275	
43LQ827	.82	45	25.2	175	.30	
43LQ106	1.0	40	7.96	125	.36	
43LQ126	1.2	40	7.96	100	.10	
43LQ156	1.5	40	7.96	95	.115	
43LQ186	1.8	40	7.96	85	.12	
43LQ226	2.2	40	7.96	83	.165	
43LQ276	2.7	40	7.96	75	.185	
43LQ336	3.3	35	7.96	65	.275	
43LQ396	3.9	35	7.96	60	.30	
43LQ476	4.7	35	7.96	55	.465	
43LQ566	5.6	35	7.96	50	.50	
43LQ686	6.8	35	7.96	50	.625	
43LQ826	8.2	35	7.96	40	.75	
43LQ105	10.0	35	7.96	30	1.50	
43LQ185	18.0	30	2.52	14	1.71	
43LQ225	22.0	30	2.52	10	1.88	
43LQ275	27.0	30	2.52	7	2.03	
43LQ335	33.0	30	2.52	5	2.39	
43LQ475	47.0	30	2.52	4.0	2.78	
43LQ565	56.0	30	2.52	3.8	3.06	
43LQ685	68.0	30	2.52	3.5	3.42	
43LQ104	100.0	30	.796	3.0	4.35	
43LQ224	220.0	30	.796	2.0	5.87	
43LQ474	470.0	30	.796	1.2	13.9	
43LQ564	560.0	30	.796	1.1	15.1	
43LQ684	680.0	30	.796	1.1	15.7	
43LQ824	820.0	30	.796	1.0	18.5	
43LQ103	1000.0	30	.796	.9	22.2	



7MM (.276") TUNABLE COILS

- Core material: ferrite
- Core size: .126 x .236
- L min. measured with no core
- Wire: AWG #24 S.P.

Unshielded

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	L (min.) µH	L (nom.) µH	L (max.) µH	Q (min.)	Test Freq (MHz)	Price Each 1	100	500
434-0712-1.5C	A	Brown	.035	.037	.039	70	50	.44	.29	.26
434-0712-2.5C	A	Red	.064	.072	.080	55	50	.44	.29	.26
434-0712-3.5C	A	Orange	.085	.095	.100	80	50	.44	.29	.26
434-0712-4.5C	A	Yellow	.119	.133	.146	60	25.2	.44	.29	.26
434-0712-5.5C	A	Green	.153	.170	.187	65	25.2	.44	.29	.26
434-0712-6.5C	A	Blue	.198	.220	.240	60	25.2	.44	.29	.26
434-0712-8.5C	A	Gray	.270	.300	.330	55	25.2	.44	.29	.26
434-0712-10.5C	A	Black	.432	.480	.528	60	25.2	.44	.29	.26

Shielded

For quantities of 1000 and up, call for quote.

434-0712-1.5CS	B	Brown	.032	.034	.035	55	50	.60	.40	.37
434-0712-2.5CS	B	Red	.048	.054	.059	60	50	.60	.40	.37
434-0712-3.5CS	B	Orange	.065	.072	.079	60	50	.60	.40	.37
434-0712-4.5CS	B	Yellow	.090	.100	.109	45	25.2	.60	.40	.37
434-0712-5.5CS	B	Green	.109	.122	.132	45	25.2	.60	.40	.37
434-0712-6.5CS	B	Blue	.130	.145	.159	50	25.2	.60	.40	.37
434-0712-8.5CS	B	Gray	.171	.190	.209	45	25.2	.60	.40	.37
434-0712-10.5CS	B	Black	.270	.300	.330	50	25.2	.60	.40	.37

10MM (.394") TUNABLE COILS

DIMENSIO

- Core material: carbonyl J
- Core size: .18 x .236
- L min. measured with no core
- Wire: AWG #22 S.P.

Unshielded

For quantities of 1000 and up, call fo

MOUSER STOCK NO.	Fig.	Color	L (min.) µH	L (nom.) µH	L (max.) µH	Q (min.)	Test Freq (MHz)	Price Ea 1	100
434-1012-1.5C	C	Brown	.041	.042	.044	65	50	.44	.29
434-1012-2.5C	C	Red	.070	.078	.085	90	50	.44	.29
434-1012-3.5C	C	Orange	.108	.120	.132	80	50	.44	.29
434-1012-4.5C	C	Yellow	.144	.160	.176	80	25.2	.44	.29
434-1012-5.5C	C	Green	.172	.192	.211	90	25.2	.44	.29
434-1012-6.5C	C	Blue	.230	.260	.286	80	25.2	.44	.29
434-1012-8.5C	C	Gray	.333	.370	.407	95	25.2	.44	.29
434-1012-10.5C	C	Black	.450	.500	.550	115	25.2	.44	.29

Shielded

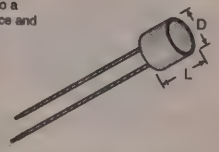
For quantities of 1000 and up, call fo

434-1012-1.5CS	D	Brown	.038	.039	.040	55	50	.60	.40
434-1012-2.5CS	D	Red	.059	.065	.070	80	50	.60	.40
434-1012-3.5CS	D	Orange	.085	.094	.100	60	50	.60	.40
434-1012-4.5CS	D	Yellow	.112	.124	.136	60	25.2	.60	.40
434-1012-5.5CS	D	Green	.135	.150	.165	80	25.2	.60	.40
434-1012-6.5CS	D	Blue	.169	.188	.206	60	25.2	.60	.40
434-1012-8.5CS	D	Gray	.243	.270	.297	65	25.2	.60	.40
434-1012-10.5CS	D	Black	.297	.330	.363	65	25.2	.60	.40

XICON Chokes and Coils

ECONOMY ENCAPSULATED RF CHOKES

e fixed inductor wound on a ferrite core and resin encapsulated into a plastic case. These RF chokes exhibit excellent moisture resistance and endurance.



For quantities of 2000 and up, call for quote.

ies	Dim. (in.)		Price Each			
	L	D	1	100	500	1000
120	.51	.35	.99	.75	.69	.65
	.55	.41	1.15	.89	.79	.75
	.63	.5	1.18	.90	.82	.74

120 Series

• Temperature: -25°C to +85°C

OUSER OCK NO.	L (µH)	L (mH)	Toler-ance	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	D.C.R. Max. (Ω)	Max. DC Current (mA)
120-220L	22	.022	±15%	30	2.52	11.0	0.3	600
120-330L	33	.033	±15%	30	2.52	9.7	0.35	500
120-680L	68	.068	±15%	30	2.52	7.1	0.6	378
120-101L	100	.100	±15%	50	.796	5.9	1.0	300
120-151L	150	.150	±15%	50	.796	5.0	1.3	300
120-221L	220	.220	±15%	50	.796	4.1	2.0	200
120-331L	330	.330	±15%	50	.796	3.3	2.8	150
120-561L	560	.560	±15%	50	.796	2.6	4.0	150
120-103K	1000	1.000	±10%	80	.252	1.8	5.5	100
120-123K	1200	1.200	±10%	80	.252	1.6	6.0	100
120-153K	1500	1.500	±10%	80	.252	1.45	7.0	100
120-223K	2200	2.200	±10%	80	.252	1.1	9.0	100
120-393K	3900	3.900	±10%	80	.252	0.74	15.0	87
120-473K	4700	4.700	±10%	80	.252	0.63	20.0	80
120-104K	10,000	10.000	±10%	80	.0796	0.21	40.0	58
120-124K	12,000	12.000	±10%	80	.0796	0.11	45.0	50

Series

• Temperature: -25°C to +85°C

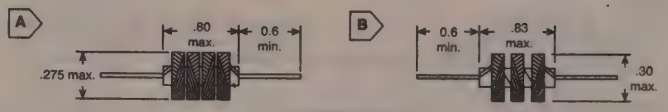
OUSER OCK NO.	L (µH)	L (mH)	Toler-ance	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	D.C.R. Max. (Ω)	Max. DC Current (mA)
210	1000	1.0	±10%	60	.252	1.40	2.5	250
212	1200	1.2	±10%	75	.252	1.30	3.0	250
215	1500	1.5	±10%	75	.252	1.10	5.0	150
218	1800	1.8	±10%	75	.252	1.00	5.5	150
222	2200	2.2	±10%	75	.252	0.90	7.0	150
227	2700	2.7	±10%	75	.252	0.80	8.0	150
233	3300	3.3	±10%	75	.252	0.70	9.0	150
239	3900	3.9	±10%	75	.252	0.68	10.0	150
247	4700	4.7	±10%	60	.252	0.65	11.5	100
268	6800	6.8	±10%	45	.252	0.45	16.8	100
282	8200	8.2	±10%	45	.252	0.40	19.5	100
310	10000	10.0	±10%	80	.0796	0.35	34.0	50
322	22000	22.0	±10%	80	.0796	0.25	57.0	50
327	27000	27.0	±10%	80	.0796	0.20	70.0	50
333	33000	33.0	±10%	80	.0796	0.19	75.0	50

Series

• Temperature: -25°C to +85°C

OUSER OCK NO.	L (µH)	L (mH)	Toler-ance	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	D.C.R. Max. (Ω)	Max. DC Current (mA)
310	10000	10.0	±10%	100	.0796	0.30	22.0	100
315	15000	15.0	±10%	100	.0796	0.20	27.0	100
318	18000	18.0	±10%	60	.0796	0.19	34.0	100
322	22000	22.0	±10%	60	.0796	0.18	40.0	100
327	27000	27.0	±10%	60	.0796	0.17	47.0	100
333	33000	33.0	±10%	60	.0796	0.16	55.0	80
347	47000	47.0	±10%	35	.0796	0.13	72.0	80
356	56000	56.0	±10%	35	.0796	0.12	110.0	50
368	68000	68.0	±10%	35	.0796	0.11	120.0	50
382	82000	82.0	±10%	35	.0796	0.09	150.0	50
410	100000	100.0	±10%	30	.0252	0.08	150.0	30
412	120000	120.0	±10%	30	.0252	0.07	200.0	30
415	150000	150.0	±10%	30	.0252	0.06	250.0	30

PI- WOUND RF CHOKES



DIMENSIONS (IN.)

Specifications:

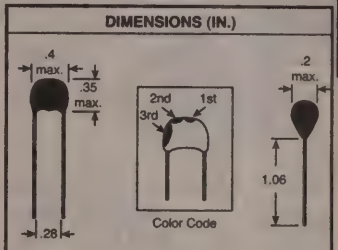
• Tolerance: ±10% • Similar to J.W. Miller 4600 series • Core material: ferrite

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L (mH)	Q Min.	D.C.R. (Ω) ±20%	Price Each 1	100	500	1000
434-2100	A	1	20	15	2.53	2.11	1.91	1.74
434-2500	B	5	30	48	2.92	2.43	2.21	2.01

EPOXY DIPPED PEAKING COILS

DIMENSIONS (IN.)



Specifications:

- Inductive tolerance: .22 to 1.0µH ±20%, 1.2 to 1000µH±10%
- Radial Lead
- Epoxy dipped
- Subminiature
- High Q (30 min.)
- Iron Core

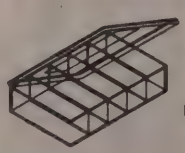
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)	Color Code 1st	2nd	3rd	Price Each 1	100	500	1000
43LR227	0.22	25.2	287	0.123	- - -	Red	Red	Slvr	.46	.30	.26	.21
43LR337	0.33	25.2	217	0.138	- - -	Org	Org	Slvr	.46	.30	.26	.21
43LR477	0.47	25.2	161	0.15	- - -	Yel	Vio	Slvr	.46	.30	.26	.21
43LR687	0.68	25.2	126	0.167	- - -	Blu	Gry	Slvr	.46	.30	.26	.21
43LR106	1	7.96	96	0.201	330	Brn	Blk	Gld	.46	.30	.26	.21
43LR126	1.2	7.96	84	0.218	320	Brn	Red	Gld	.46	.30	.26	.21
43LR156	1.5	7.96	71	0.24	315	Brn	Grn	Gld	.46	.30	.26	.21
43LR226	2.2	7.96	55	0.28	300	Red	Red	Gld	.46	.30	.26	.21
43LR276	2.7	7.96	50	0.281	295	Red	Vio	Gld	.46	.30	.26	.21
43LR336	3.3	7.96	43	0.338	285	Org	Org	Gld	.46	.30	.26	.21
43LR476	4.7	7.96	33	0.42	275	Yel	Vio	Gld	.46	.30	.26	.21
43LR566	5.6	7.96	29	0.45	270	Grn	Blu	Gld	.46	.30	.26	.21
43LR686	6.8	7.96	25	0.488	260	Blu	Gry	Gld	.46	.30	.26	.21
43LR106	10	2.52	20	1.14	250	Brn	Blk	Blk	.46	.30	.26	.21
43LR186	18	2.52	12	1.55	225	Brn	Gry	Blk	.46	.30	.26	.21
43LR225	22	2.52	10	1.73	220	Red	Red	Blk	.46	.30	.26	.21
43LR335	33	2.52	8	2.15	205	Org	Org	Blk	.46	.30	.26	.21
43LR395	39	2.52	7	2.36	200	Org	Wht	Blk	.46	.30	.26	.21
43LR475	47	2.52	9	1.94	190	Yel	Vio	Blk	.46	.30	.26	.21
43LR565	56	2.52	9	1.95	180	Grn	Blu	Blk	.46	.30	.26	.21
43LR104	100	0.796	7	2.85	150	Brn	Blk	Brn	.46	.30	.26	.21
43LR154	150	0.796	5	3.6	130	Brn	Grn	Brn	.46	.30	.26	.21
43LR184	180	0.796	4	4.02	120	Brn	Gry	Brn	.46	.30	.26	.21
43LR224	220	0.796	4	4.7	115	Red	Red	Brn	.46	.30	.26	.21
43LR274	270	0.796	3	5.4	105	Red	Vio	Brn	.46	.30	.26	.21
43LR334	330	0.796	3	7.5	100	Org	Org	Brn	.46	.30	.26	.21
43LR394	390	0.796	3	8.55	90	Org	Wht	Brn	.46	.30	.26	.21
43LR474	470	0.796	2.8	9.9	85	Yel	Vio	Brn	.46	.30	.26	.21
43LR564	560	0.796	2.5	11.4	80	Grn	Blu	Brn	.46	.30	.26	.21
43LR684	680	0.796	2.3	10.8	68	Blu	Gry	Brn	.46	.30	.26	.21
43LR824	820	0.796	2.1	12.3	58	Gry	Red	Brn	.46	.30	.26	.21
43LR103	1000	0.252	1.9	14.1	50	Brn	Blk	Red	.46	.30	.26	.21

KY DIPPED PEAKING COIL KIT

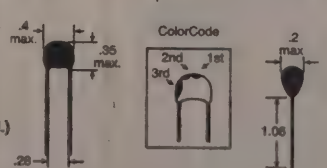
cations:

re tolerance: .22 to 1.0µH±20%, 1.2 to 1000µH±10% • Epoxy dipped • High Q (30 min.)
leads • Subminiature • Iron core



SER NO.	Range of Values	Pieces in Kit	List of Values (µH)	Price Each
C-1	.22-1000µH	180	**10 each:** .22, .47, 1.0, 2.2, 3.3, 4.7, 10, 15, 22, 33, 47, 82, 100, 220, 330, 470, 680, 1000µH	49.95

DIMENSIONS (IN.)



Antennas, Ferrite Beads, & Wirewound SMD Inductors

Innovative Service Around the Globe **YAGEO** **SURFACE MOUNT ANTENNAS**

Features:
- Simplifies antenna circuitry
- No need for expensive RF connectors
- Water based non-toxic production process
- NiSn lead-free terminations
- Co-fired ceramic technology reduces manufacturing energy consumption
- Suitable for wave and reflow soldering
- Supplied on tape and reel or in bulk package

Applications:
- Telecommunications
- Computing (PCs, printers, PDAs)
- Wireless office data communications including WLAN
- Consumer electronics (wireless headphones)

** Package Bulk Only

* Antenna has a built-in circuit at Ground Termination. However, Ground Termination is optional if good matching is attainable. If good matching is attainable during application, Ground Termination can be used as NC Solder Termin

MOUSER STOCK NO.	Yageo Part No.	Bandwidth MHz	Gain (dBi Max.)	Frequency	Price for Each 1	10	50	100	Reel Qty.	Reel Each P
*240-4311-111-00245	4311-111-00245	100	1.2	2.45 GHz	4.50	3.85	3.53	3.20	1,000	2.59
240-4311-115-00245	4311-115-00245	100	0	2.45 GHz	4.68	4.00	3.67	3.35	1,000	2.69
240-4313-118-00918	4313-118-00918	100	1.5	900 / 1800 MHz	7.65	6.55	6.00	5.45	**	**

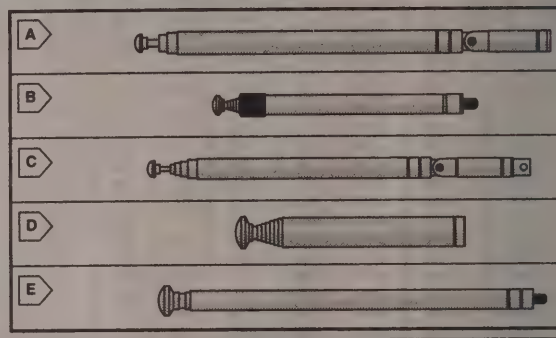
XICON TELESCOPING ANTENNAS

* 48SM026 - Screw for 43AR103 and 43AR106

† 48SM003 - Screw for 43AR105 and 430-1002

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.) Extended	Collapsed	Dia. (In.)	Sect.	Thread Size D x P (mm)	Price Each 1	10	100	500
430-1002	A	25.8	7.0	.236	5	3.0 x 0.50†	4.03	3.59	3.30	3.04
430-1033	B	13.0	3.2	.236	6	3.0 x 0.50	3.73	3.36	3.09	2.84
430-1415	C	34.6	6.89	.236	6	- - - - -	4.03	3.59	3.30	3.08
43AR103	D	19.8	3.6	.32	8	2.6 x 0.45*	2.39	1.99	1.79	1.62
43AR104	E	20.5	6.0	.17	4	3.0 x 0.50	1.56	1.17	1.07	.98
43AR105	D	33.3	5.8	.28	7	3.0 x 0.50†	2.63	2.19	1.99	1.86
43AR106	D	19.0	4.25	.24	6	2.6 x 0.45*	1.38	1.13	1.04	.95



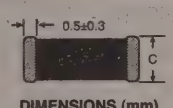
XICON Passive Components FERRITE CHIP BEADS

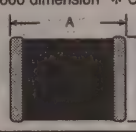
Ferrite Chip Beads provide an effective means of EMI/RFI attenuation for electronic equipment. These items are specially designed for flow, reflow, and wave soldering applications.

Specifications:
- Impedance tolerance: ±25%
- Operating temperature: -25°C to 85°C
- Storage temperature: -40°C to 85°C

EIA SIZE	Dimensions (mm) A	B	C
0805	2.0±0.2	1.25±0.2	0.9±0.2
*1206	3.2±0.2	1.6±0.2	1.1±0.2
1210	3.2±0.2	2.5±0.2	1.3±0.2
1806	4.5±0.25	1.6±0.2	1.6±0.2
1812	4.5±0.25	3.2±0.2	1.5±0.2

Stock Number: 436-2600 dimension * C = 1.6±0.2





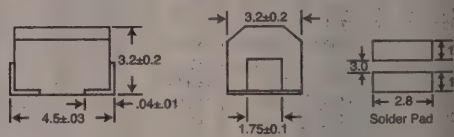
DIMENSIONS (mm)

MOUSER STOCK NO.	EIA Size	Imped. (Ω) @ 100MHz	DCR (Ω) max.	Rated Current (mA) max.	Price Each 1	100	500	Reel Qty.	Reel Price Each
436-0110	0603	11	.05	500	.07	.065	.055	4000	.053
436-0190	0603	19	.08	500	.07	.065	.055	4000	.053
436-0300	0603	30	.10	400	.07	.065	.055	4000	.053
436-0400	0603	40	.10	400	.07	.065	.055	4000	.053
436-0600	0603	60	.10	300	.07	.065	.055	4000	.053
436-0800	0603	80	.15	300	.07	.065	.055	4000	.053
436-0121	0603	120	.25	300	.07	.065	.055	4000	.053
436-0221	0603	220	.30	200	.07	.065	.055	4000	.053
436-0301	0603	300	.40	200	.07	.065	.055	4000	.053
436-0451	0603	450	.50	200	.07	.065	.055	4000	.053
436-0601	0603	600	.50	200	.07	.065	.055	4000	.053
436-0751	0603	750	.70	200	.07	.065	.055	4000	.053
436-0102	0603	1000	.70	200	.07	.065	.055	4000	.053
436-0152	0603	1500	1.0	50	.07	.065	.055	4000	.053
436-0222	0603	2200	1.2	50	.09	.085	.065	4000	.053
436-1070	0805	7	.10	600	.09	.085	.065	4000	.053
436-1090	0805	9	.10	600	.09	.085	.065	4000	.053
436-1110	0805	11	.10	600	.09	.085	.065	4000	.042
436-1170	0805	17	.10	600	.09	.085	.065	4000	.053
436-1320	0805	32	.10	600	.09	.085	.065	4000	.053
436-1600	0805	60	.15	500	.09	.085	.065	4000	.053
436-1700	0805	70	.15	500	.09	.085	.065	4000	.053
436-1800	0805	80	.15	500	.09	.085	.065	4000	.053
436-1121	0805	120	.60	200	.09	.085	.065	4000	.042
436-1151	0805	150	.50	300	.09	.085	.065	4000	.042
436-1221	0805	220	.30	300	.09	.085	.065	4000	.053
436-1301	0805	300	.30	300	.09	.085	.065	4000	.053
436-1401	0805	400	.30	300	.09	.085	.065	4000	.053
436-1501	0805	500	.40	300	.09	.085	.065	4000	.053
436-1601	0805	600	1.0	200	.09	.085	.065	4000	.042
436-1751	0805	750	.50	200	.09	.085	.065	4000	.053
436-1102	0805	1000	.50	200	.09	.085	.065	4000	.053
436-1152	0805	1500	.60	200	.09	.085	.065	4000	.053
436-1202	0805	2000	.80	100	.09	.085	.065	4000	.053
436-1222	0805	2200	1.0	100	.09	.085	.065	4000	.053
436-2320	1206	32	.15	500	.09	.085	.065	3000	.042
* 436-2600	1206	60	.50	200	.09	.085	.065	2000	.042
436-2601	1206	600	.40	200	.09	.085	.065	3000	.042
436-3600	1210	60	.30	400	.09	.085	.065	2500	.048
436-4800	1806	80	.30	400	.09	.085	.072	2000	.066
436-4151	1806	150	.50	200	.09	.085	.072	2000	.066
436-5121	1812	120	.40	300	.10	.089	.085	1000	.081

XICON Passive Components 1812 MAGNETIC SHIELDED WIREWOUND SMD INDUCTORS

Specifications:
- Temperature rise: 20°C (max.)
- Ambient temperature: 80°C (max.)
- Operating temperature: -20°C to +100°C
- Storage temperature: -40°C to +100°C

Features:
- Very strong solderability
- Can be mounted automatically
- Terminals are highly resistant to pull forces
- Highly resistant to mechanical shocks and pressure



DIMENSIONS (mm)

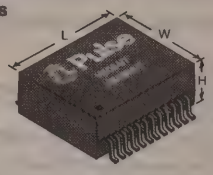
For quantities of 1000 and up, call fo

MOUSER STOCK NO.	L (μH)	Q (min.)	Test Freq. (MHz)	SRF (MHz)	DCR Max. (Ω)	Rated DC (mA)	Price Each 1	10	100	Reel E
435-18-R10M	0.10	28	25.2	700	0.44	450	.49	.39	.27	
435-18-R15M	0.15	30	25.2	450	0.25	450	.49	.39	.27	
435-18-R22M	0.22	30	25.2	350	0.32	450	.49	.39	.27	
435-18-R33M	0.33	30	25.2	300	0.40	450	.49	.39	.27	
435-18-R47M	0.47	30	25.2	220	0.50	450	.49	.39	.27	
435-18-R68M	0.68	30	25.2	160	0.60	450	.49	.39	.27	
435-18-1R0K	1.0	50	7.96	100	0.50	450	.49	.39	.27	
435-18-1R2K	1.2	50	7.96	80	0.55	430	.49	.39	.27	
435-18-1R5K	1.5	50	7.96	70	0.60	410	.49	.39	.27	
435-18-1R8K	1.8	50	7.96	60	0.39	390	.49	.39	.27	
435-18-2R2K	2.2	50	7.96	55	0.70	380	.49	.39	.27	
435-18-2R7K	2.7	50	7.96	50	0.75	370	.49	.39	.27	
435-18-3R3K	3.3	50	7.96	45	0.80	355	.49	.39	.27	
435-18-4R7K	4.7	50	7.96	35	1.00	315	.49	.39	.27	
435-18-5R6K	5.6	50	7.96	33	1.10	300	.49	.39	.27	
435-18-6R8K	6.8	50	7.96	27	1.20	285	.49	.39	.27	
435-18-8R2K	8.2	50	7.96	25	1.40	270	.49	.39	.27	
435-18-100K	10	50	2.52	20	1.60	250	.49	.39	.27	
435-18-120K	12	50	2.52	18	2.00	225	.49	.39	.27	
435-18-150K	15	50	2.52	17	2.50	200	.49	.39	.27	
435-18-180K	18	50	2.52	15	2.80	190	.49	.39	.27	
435-18-220K	22	50	2.52	13	3.20	180	.49	.39	.27	
435-18-270K	27	50	2.52	12	3.60	170	.49	.39	.27	
435-18-330K	33	50	2.52	11	4.00	160	.49	.39	.27	
435-18-470K	47	50	2.52	10	5.00	140	.49	.39	.27	
435-18-560K	56	50	2.52	9	5.50	135	.49	.39	.27	
435-18-101K	100	40	0.796	7	8.00	110	.49	.39	.27	
435-18-151K	150	40	0.796	5	9.00	105	.49	.39	.27	
435-18-181K	180	40	0.796	5	9.50	102	.49	.39	.27	
435-18-221K	220	40	0.796	4	12.00	100	.49	.39	.27	
435-18-331K	330	30	0.796	3	20.00	85	.49	.39	.27	
435-18-471K	470	30	0.796	3	26.00	62	.49	.39	.27	
435-18-681K	680	30	0.796	2	40.00	50	.49	.39	.27	
435-18-102K	1000	30	0.796	2	50.00	30	.49	.39	.27	

PULSE LAN Discrete Transformer Modules

Pulse
A TECHNITROL COMPANY

BASE-T MAGNETICS MODULES
ned to Support 1:1 Turns Ratio Transceivers



es:

- ed for long haul Gigabit Ethernet (10/100/1000 Base-T)
- ations
- '9 Designed to fit behind 1x1 RJ45 connector
- nterface for isolation and low common mode emissions
- ant with IEEE 802.ab Standard for 1000 Base-T

e maximum dimensions. Width is measured on surface
rts pin-tip to pin-tip. Height includes wash area.

/1000 Base-T, Single Port

For quantities of 100 and up, call for quote.

SER K NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	5	25	50
004	H5004	1CT:1CT	24-PIN SOIC	.695	.635	.23	8.85	7.38	5.90	4.60
5004	HX5004	1CT:1CT	24-PIN SOIC	.695	.635	.23	9.75	8.13	6.50	5.07
007	H5007	1CT:1CT	24-PIN SOIC	.695	.635	.23	16.49	16.08	15.67	15.26
062	H5062	1CT:1CT	24-PIN SOIC	.695	.635	.23	9.12	7.60	6.08	4.74

/1000 Base-T, Single Port

For quantities of 100 and up, call for quote.

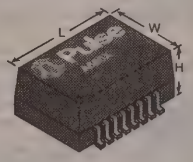
SER K NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	5	35	50
008	H5008	1CT:1CT	24-PIN SOIC	.557	.75	.235	9.30	7.75	6.20	4.84
5008	HX5008	1CT:1CT	24-PIN SOIC	.557	.75	.235	10.56	8.80	7.04	5.49
009	H5009	1CT:1CT	24-PIN SOIC	.557	.75	.235	8.55	7.13	5.70	4.45

/1000 Base-T, Dual Port

For quantities of 600 and up, call for quote.

SER K NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	15	60	120
012	H5012	1CT:1CT	48-PIN	1.095	.6	.285	14.85	12.38	9.90	8.66
014	H5014	1CT:1CT	48-PIN	1.095	.6	.285	13.95	11.63	9.30	8.14
5014	HX5014	1CT:1CT	48-PIN	1.095	.6	.285	15.35	12.79	10.23	8.95
020	H5020	1CT:1CT	50-PIN	1.095	.43	.34	13.95	11.63	9.30	8.14
5020	HX5020	1CT:1CT	50-PIN	1.095	.43	.34	15.35	12.79	10.23	8.95

BIT DUAL TRANSFORMERS
e with 150Ω Twinax Cable



s:

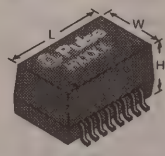
- ant with ANSI X3T9.5, FC-PH-3 Fibre Channel Physical Specification
- ant with IEEE 802.3z PMD
- ed for fast rise-time and a low frequency cutoff of 2.5 MHz
- e transfer-molded withstands 235°C peak temperature profile

e maximum dimensions. Width is measured on surface
rts pin-tip to pin-tip. Height includes wash area.

For quantities of 100 and up, call for quote.

SER K NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	5	35	70
801	A6801	1CT:1CT	16-PIN SOIC	.5	.295	.22	4.53	3.78	3.02	2.36
802	A6802	1:1	16-PIN SOIC	.5	.295	.22	4.53	3.78	3.02	2.36

0 BASE-TX SINGLE PORT TRANSFORMER MODULES
:1 Transmit Turns Ratios



s:

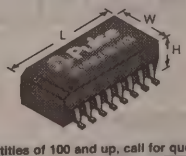
- ct symmetrical size facilitates chip shooter placement and reduces cturing time
- 02.3 and ANSI X3.263 compliant including 350μH OCL with 8mA bias
- e transfer-molded package withstands temperatures over 235°C
- d interlock base construction for high reliability

e maximum dimensions. Width is measured on surface
rts pin-tip to pin-tip. Height includes wash area.

For quantities of 100 and up, call for quote.

SER K NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	5	35	70
112	H1112	1CT:1CT	12-PIN SMT	.589	.588	.197	3.39	2.83	2.26	1.76
012	H1012	1CT:1CT	16-PIN SMT	1	.505	.235	5.90	4.75	4.45	4.15
141	H1141	1CT:1CT	16-PIN SMT	.495	.6	.23	4.65	3.88	3.10	2.42
1198	HX1198	1CT:1CT	16-PIN SOIC	.5	.38	.235	3.56	3.41	3.27	3.12
267	H1267	1CT:1CT	24-PIN SMT	.69	.48	.225	3.00	2.50	2.00	1.56
009	H0009	1CT:1CT	PCMCIA	.56	.67	.078	4.80	4.00	3.20	2.50

0 BASE-TX SINGLE PORT TRANSFORMER MODULES
'arious Transmit Turns Ratios



s:

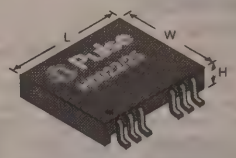
- d Interlock Base Design
- ll IEEE 802.3 and ANSI X3.263 standards including 350μH OCL
- A bias
- e transfer-molded package withstands temperatures over 235°C
- pinout options available for optimal board layout

e maximum dimensions. Width is measured on surface
rts pin-tip to pin-tip. Height includes wash area.

For quantities of 100 and up, call for quote.

SER K NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	5	25	50
038	H1038	2CT:1CT	16-PIN SMT	1	.51	0.23	4.68	3.90	3.12	2.43
089	H1089	1CT:1CT	16-PIN SMT	1	.51	.23	3.90	3.25	2.60	2.03
1148	HX1148	1CT:1CT	16-PIN SMT	1	.525	.235	6.18	5.15	4.12	3.21
1178	HX1178	1CT:1C	16-PIN SMT	1	.525	.235	5.70	4.75	3.80	2.96
6118T	ST6118T	1CT:1CT	16-PIN SMT	.998	.515	.242	3.54	2.95	2.36	1.84
6122T	ST6122T	1.4CT:1CT	16-PIN SMT	.998	.515	.242	4.65	3.88	3.10	2.42
6129T	ST6129T	2CT:1CT	16-PIN SMT	.998	.515	.242	4.65	3.88	3.10	2.42

10/100 BASE-T SINGLE PORT SURFACE MOUNT MAGNETICS MODULES
With Various Turns Ratios



Features:

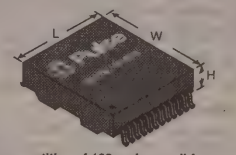
- Meets IEEE 802.3 and ANSI X3.263 Standards including 350μH OCL with 8mA bias
- Designed for reflow soldering at temperatures up to 235°C
- Compact footprint for use in the most space-restrictive applications

L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	20	40	120
673-H1102	H1102	1CT:1CT	16-PIN SOIC	.5	.37	.235	2.50	2.40	2.30	2.20
673-H1100	H1100	2CT:1CT	16-PIN SOIC	.5	.38	.235	3.15	2.63	2.10	1.64
673-H1199	H1199	1CT:1CT	16-PIN SOIC	.5	.38	.235	3.51	2.93	2.34	1.83
673-H1260	H1260	1CT:1CT	16-PIN SOIC	.5	.38	.235	2.85	2.38	1.90	1.48
673-HX1188	HX1188	1CT:1CT	16-PIN SOIC	.5	.38	.235	3.45	2.88	2.30	1.79
673-H0019	H0019	1CT:1CT	PCMCIA	.5	.38	.084	4.95	4.55	3.64	2.84
673-H0022	H0022	1CT:1CT	PCMCIA	.465	.45	.085	5.46	4.55	3.64	2.84
673-H0025	H0025	1CT:1CT	PCMCIA	.475	.45	.085	5.22	4.35	3.48	2.71

10/100 BASE-T DUAL PORT TRANSFER MODULES
For use with Transceivers Requiring 1:1 Transmit and Receive Turns Ratio



Features:

- Compliant with IEEE 802.3 and ANSI X3.263 Standards including 350μH OCL with 8mA bias
- Modules designed to support two RJ45 connectors
- Some models offer AutoMDIX cabability

L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

10/100 Base-TX, Dual Port

For quantities of 100 and up, call for quote.

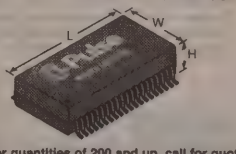
MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	15	35	70
673-H1174	H1174	1CT:1CT	24-PIN	.515	.59	.145	6.00	5.75	5.50	5.25
673-H1270	H1270	1CT:1CT	24-PIN	.515	.59	.145	5.70	4.75	3.80	2.96

10/100 Base-TX, Dual Port

For quantities of 300 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	15	75	150
673-H1028	H1028	1CT:1CT	40-PIN SOIC	1.125	.64	.23	7.92	6.60	5.28	4.62
673-H1200	H1200	1CT:1CT	40-PIN SOIC	1.125	.64	.23	5.25	4.38	3.50	3.06

10/100 BASE-TX QUAD PORT TRANSFORMER MODULES
For use with Transceivers Requiring 1:1 Transmit and Receive Turns Ratios



Features:

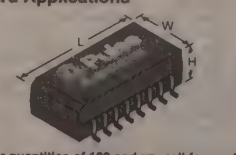
- Patented Interlock Design
- Compliant with IEEE 802.3u and ANSI X3.263 Standards
- Models designed to support two RJ45 connectors
- IC grade transfer-molded package withstands 235°C peak temperature profile

L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	20	40	120
673-H1036L	H1036L	1CT:1CT	40-PIN SOIC	1.125	.64	.23	9.15	7.63	6.10	5.34
673-H1044	H1044	1CT:1CT	40-PIN SOIC	1.125	.64	.23	9.15	7.63	6.10	5.34
673-H1053	H1053	1CT:1CT	40-PIN SOIC	1.125	.64	.23	9.15	7.63	6.10	5.34
673-H1060	H1060	1CT:1CT	40-PIN SOIC	1.125	.64	.23	9.15	7.63	6.10	5.34
673-H1062	H1062	1CT:1CT	40-PIN SOIC	1.125	.64	.23	9.15	7.63	6.10	5.34
673-H1069	H1069	2CT:1CT	40-PIN SOIC	1.125	.64	.23	9.60	8.00	6.40	5.60
673-H1074	H1074	2CT:1CT	40-PIN SOIC	1.125	.64	.23	9.60	8.00	6.40	5.60
673-H1140	H1140	1CT:1CT	40-PIN SOIC	1.125	.64	.28	10.35	8.63	6.90	6.04
673-H1164	H1164	1CT:1CT	40-PIN SOIC	1.125	.64	.23	7.10	5.68	5.11	4.60
673-H1259	H1259	1CT:1CT	40-PIN SOIC	1.125	.64	.23	8.70	7.25	5.80	5.08
673-H1266	H1266	1CT:1CT	40-PIN SOIC	1.125	.64	.23	8.70	7.25	5.80	5.08
673-HX1203	HX1203	1CT:1CT	40-PIN SOIC	1.125	.64	.28	9.87	8.23	6.58	5.76
673-HX1240	HX1240	1CT:1CT	40-PIN SOIC	1.125	.64	.28	11.10	9.25	7.40	6.48
673-HX1234	HX1234	1CT:1CT	40-PIN SOIC	1.125	.64	.28	9.75	8.13	6.50	5.69
673-HX1236	HX1236	1CT:1CT	40-PIN SOIC	1.125	.64	.28	9.93	8.28	6.62	5.79

SURFACE MOUNT 10 BASE-T INTERFACE MODULES
Fully Integrated for Adapter, Hub, and Motherboard Applications



Features:

- Low profile surface mount package
- E2000 Series Designed for AMD, DEC, LSI, Motorola, and National tranceivers
- IC grade transfer-molded package withstands 235°C peak temperature performance

L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	5	25	50
673-E2003	E2003	1CT:1CT	16-PIN SMT	1	.5	23	5.28	4.40	3.52	2.75
673-PE-68026	PE-68026	1CT:1CT	16-PIN SMT	.93	.51	.23	6.93	6.47	6.24	6.01
673-E2009	E2009	1:1.41CT	16-PIN SMT	1	.5	.23	5.46	4.55	3.64	2.84

PULSE LAN Discrete & Current Sense Transformer Modules

10 BASE-T SINGLE PORT TRANSFORMER/CHOKE MODULES

Features:

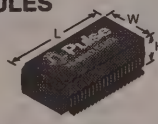
- Family of parts - common footprint and pinout with a choice of filtering for customized EMI performance
- IC grade transfer-molded package withstands 235°C peak temperature performance

L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	20	40	120
673-ST7010T	ST7010T	1CT:1.4CT	16-PIN SOIC	.457	.375	.233	2.61	2.18	1.74	1.36
673-ST4202T	ST4202T	1CT:2CT	16-PIN SOIC	.447	.36	.223	3.21	2.68	2.14	1.67

10 BASE-T QUAD SMT TRANSFORMER MODULES



Features:

- Family of parts - common footprint and pinout with a choice of filtering for customized EMI performance
- IC grade transfer-molded package withstands 235°C peak temperature performance
- Space-efficient - 12 ports across 3.6 inches for optimal PCB layout

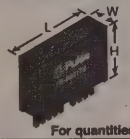
L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 300 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	15	75	150
673-E5002	E5002	1CT:2CT	40-PIN SOIC	1.125	.64	.28	8.43	7.03	5.62	4.92
673-PE-68049L	PE-68049L	1CT:1CT	40-PIN SOIC	1.125	.64	.28	7.80	6.50	5.20	4.55
673-PE-68062L	PE-68062L	T,C	40-PIN SOIC	1.125	.64	.28	7.80	6.50	5.20	4.55

10 BASE-T QUAD SMT TRANSFORMER MODULES

For 802.3 10 Base-T LAN Applications



Features:

- Meet or exceed IEEE 802.3 10 Base-T Specifications
- For MAUs, Hubs, and Motherboard Applications
- High performance for maximum EMI suppression
- Minimum 1500 Vrms isolation per IEEE 802.3 requirement
- Compatible with multiple 10 Base-T Chips

L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 300 and up, call for quote.

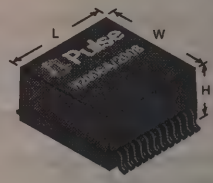
MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	15	75	150
673-PE-68017S	PE-68017S	1CT:1CT	10-PIN SIL	1	.21	.45	4.68	3.90	3.12	2.73

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each			
				L	W	H	1	5	25	50
673-FL1012	FL1012	1CT:1CT	16-PIN THT	1.01	.4	.338	3.24	3.08	2.92	2.52

POWER OVER ETHERNET MAGNETIC MODULES

10/100 Base-TX VoIP (PoE) Magnetics



Features:

- IEEE 802.3af/ANSI X3.063 compliant performance
- Suitable for End-span and Mid-span PoE applications
- 350mA Current capability
- Designed for IP phone or switch applications
- Compact footprint
- Some models offer AutoMDIX capability

L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 100 and up, call fo

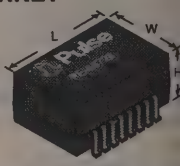
MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each		
				L	W	H	1	15	35
673-H2005A	H2005A	1CT:1CT	24-PIN SOIC	.515	.745	.285	6.00	5.00	4.00
673-H2006A	H2006A	1CT:1CT	24-PIN SOIC	.542	.595	.25	5.16	4.30	3.44
673-H2008	H2008	1CT:1CT	24-PIN SOIC	.542	.595	.25	5.31	4.43	3.54
673-H2009	H2009	1CT:1CT	24-PIN SOIC	.523	.737	.246	7.20	6.00	4.80
673-H2014	H2014	1CT:1CT	48-PIN	1.095	.6	.285	11.55	9.63	9.16

For quantities of 200 and up, call fo

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each		
				L	W	H	1	20	40
673-H2019	H2019	1CT:1CT	16-PIN SOIC	.5	.37	.235	5.16	4.30	3.44

ISOLATION TRANSFORMER FOR ETHERNET

AUI Transformer



Features:

- Low leakage inductance and coupling capacitance for faster rise times
- Small form factor, 50 mil lead spacing

L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 200 and up, call fo

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions (IN)			Price Each		
				L	W	H	1	20	40
673-PE-65728	PE-65728	1:01:01	16-PIN SOIC	.5	.37	.2	2.72	2.59	2.45

THT CURRENT SENSE TRANSFORMERS

Transformer

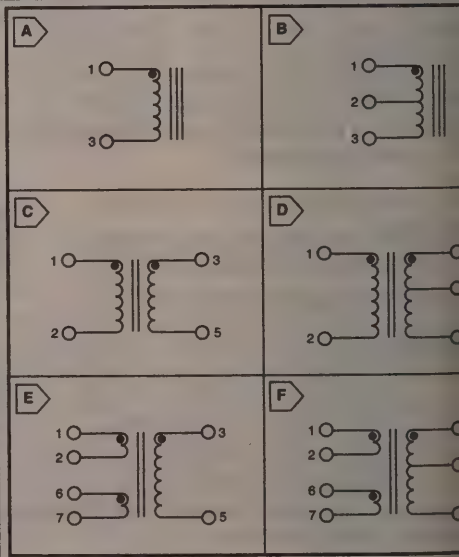
Inductor

Features:

- Designed for switching power supply applications
- Transformer meets IEC950 insulation requirements
- Frequency range from 20kHz to 200kHz

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Fig.	Current (A)	Turns Ratio	Isolation (Vrms)	Max. Dimensions (mm)			Price Each			
						L	W	H	1	20	100	250
673-PE-51686	PE-51686	A	20	50	3750	16.6	9.9	20.3	3.50	3.15	2.80	2.63
673-PE-51687	PE-51687	A	20	100	3750	16.6	9.9	20.3	3.55	3.20	2.84	2.67
673-PE-51688	PE-51688	A	20	200	3750	16.6	9.9	20.3	3.71	3.34	2.97	2.79
673-PE-51717	PE-51717	B	20	50CT	3750	16.6	9.9	20.3	2.80	2.10	1.40	1.30
673-PE-51718	PE-51718	B	20	100CT	3750	16.6	9.9	20.3	2.88	2.16	1.44	1.34
673-PE-51719	PE-51719	B	20	200CT	3750	16.6	9.9	20.3	3.71	3.34	2.97	2.79
673-PE-63586	PE-63586	C	20	50:1	3750	22.9	17.8	17.8	3.28	2.46	1.64	1.53
673-PE-63587	PE-63587	C	20	100:1	3750	22.9	17.8	17.8	3.28	2.46	1.64	1.53
673-PE-63588	PE-63588	C	20	200:1	3750	22.9	17.8	17.8	3.48	2.61	1.74	1.62
673-PE-63618	PE-63618	D	20	100CT:1	3750	22.9	17.8	17.8	3.40	2.55	1.70	1.58
673-PE-63619	PE-63619	D	20	200CT:1	3750	22.9	17.8	17.8	3.56	2.67	1.78	1.66
673-PE-63691	PE-63691	D	20	300CT:1	3750	22.9	17.8	17.8	4.40	3.30	2.20	2.05
673-PE-64487	PE-64487	E	20	100:1:1	3750	22.9	17.8	17.8	5.20	3.90	2.60	2.42
673-PE-64488	PE-64488	E	20	200:1:1	3750	22.9	17.8	17.8	5.40	4.05	2.70	2.51
673-PE-64517	PE-64517	F	20	50CT:1	3750	22.9	17.8	17.8	5.08	3.81	2.54	2.36
673-PE-64518	PE-64518	F	20	100CT:1:1	3750	22.9	17.8	17.8	5.16	3.87	2.58	2.40
673-PE-64519	PE-64519	F	20	200CT:1:1	3750	22.9	17.8	17.8	5.28	3.96	2.64	2.46



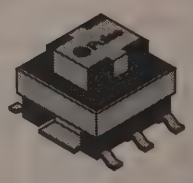
SMT CURRENT SENSE TRANSFORMERS

Features:

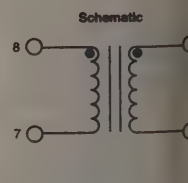
- Footprint: 8.4mm x 7.2mm Max.
- Current Rating: up to 10A
- Frequency Range: 50kHz to 1MHz

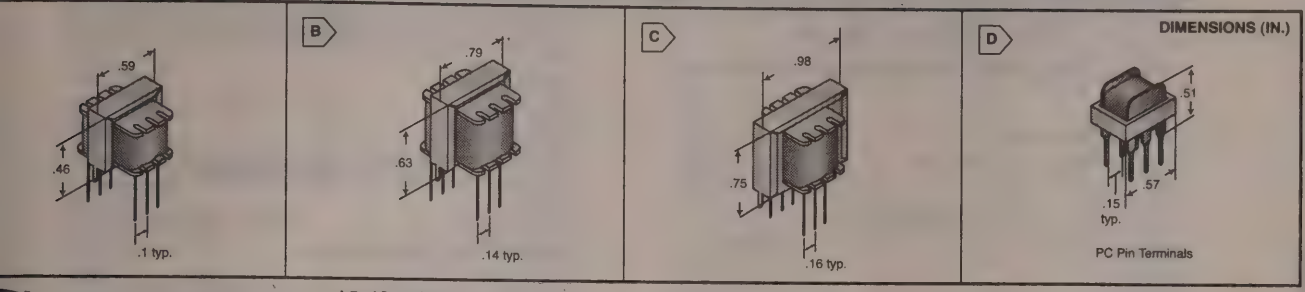
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Current (A)	Turns Ratio	Isolation (Vrms)	Max. Dimensions (mm)			Price Each			
					L	W	H	1	20	100	250
673-P8202	P8202	10	1:20	500	8.4	7.2	5.1	2.00	1.50	1.00	.93
673-P8203	P8203	10	1:30	500	8.4	7.2	5.1	2.00	1.50	1.00	.93
673-P8204	P8204	10	1:40	500	8.4	7.2	5.1	2.16	1.62	1.08	1.00
673-P8206	P8206	10	1:60	500	8.4	7.2	5.1	2.16	1.62	1.08	1.00
673-P8207	P8207	10	1:70	500	8.4	7.2	5.1	2.16	1.62	1.08	1.00
673-P8209	P8209	10	1:125	500	8.4	7.2	5.1	2.16	1.62	1.08	1.00
673-P8205	P8205	10	1:50	500	8.4	7.2	5.1	2.40	1.95	1.50	1.20
673-P8208	P8208	10	1:100	500	8.4	7.2	5.1	3.05	2.68	2.30	2.10



Schematic





PC LEADS

*Dual Secondaries

For quantities of 2000 and up, call for quote.

SER K NO.	Fig.	Impedance (Ω) Pri.	Impedance (Ω) Sec.	Resistance (Ω) Pri.	Resistance (Ω) Sec.	Application (Typical)	Price Each 1	100	500	1000
niature Core Type EI-14, 75mW Max Output										
.030	A	100 CT	100 CT	10.9	9.10	Coupling	1.43	1.19	1.08	.98
.004	A	200 CT	8 CT	12	1	Output	1.37	1.14	1.04	.90
.023	A	300 CT	600 CT	30	35	Coupling	1.37	1.14	1.04	.90
.001	A	500 CT	8 CT	35	1	Output	1.37	1.14	1.04	.90
.026	A	500 CT	16 CT	43	1.9	Output	1.37	1.14	1.04	.90
.009	A	500 CT	500 CT	40	38	Interstage	1.37	1.14	1.04	.90
.031	A	600 CT	100 CT	42.8	20.2	Coupling	1.52	1.25	1.14	1.04
.016	A	600 CT	600 CT	65	55	Coupling	1.37	1.14	1.04	.90
.008	A	800 CT	8 CT	40	1	Output	1.37	1.14	1.04	.90
.013	A	1K CT	8 CT	60	1	Output	1.37	1.14	1.04	.90
.027	A	1K CT	2K CT	130	140	Coupling	1.37	1.14	1.04	.90
.003	A	1.2K CT	8 CT	80	1	Output	1.37	1.14	1.04	.90
.022	A	1.5K CT	600 CT	125	55	Coupling	1.37	1.14	1.04	.90
.021	A	4K CT	600 CT	148	64	Coupling	1.37	1.14	1.04	.90
.018	A	7K CT	10K CT	400	385	Interstage	1.64	1.37	1.24	1.08
.024	A	10K CT	500 CT	530	136	Coupling	1.46	1.21	1.10	.96
.019	A	10K CT	600 CT	450	100	Coupling	1.46	1.21	1.10	.96
.002	A	10K CT	2K CT	500	200	Driver	1.46	1.21	1.10	.96
.012	A	10K CT	5K CT	900	500	Interstage	1.64	1.37	1.24	1.08
.218	A	10K CT	10K CT	715	583	Interstage	1.94	1.62	1.48	1.34
.017	A	20K CT	600 CT	693	66	Coupling	1.64	1.37	1.24	1.08
.006	A	20K CT	1K CT	600	110	Interstage	1.46	1.21	1.10	.96
ype EI-19, 200mW Max Output										
1030	B	100 CT	100 CT	9.25	7.80	Coupling	1.68	1.40	1.27	1.15
1004	B	200 CT	8 CT	12	1	Output	1.73	1.44	1.31	1.14
1010	B	350 CT	8 CT	20	1	Output	1.73	1.44	1.31	1.14
1001	B	500 CT	8 CT	26	1	Output	1.73	1.44	1.31	1.14
1026	B	500 CT	16 CT	50	5	Output	1.73	1.44	1.31	1.14
1009	B	500 CT	500 CT	50	40	Interstage	1.73	1.44	1.31	1.14
1031	B	600 CT	100 CT	30.1	14.3	Coupling	1.83	1.53	1.39	1.26
1023	B	600 CT	300 CT	55	30	Coupling	1.73	1.44	1.31	1.14
1016	B	600 CT	600 CT	65	55	Coupling	1.73	1.44	1.31	1.14
1008	B	800 CT	8 CT	40	1	Output	1.73	1.44	1.31	1.14
1013	B	1K CT	8 CT	75	1	Output	1.73	1.44	1.31	1.14

PC LEADS (CONT.)

MOUSER STOCK NO.	Fig.	Impedance (Ω) Pri.	Impedance (Ω) Sec.	Resistance (Ω) Pri.	Resistance (Ω) Sec.	Application (Typical)	Price Each 1	100	500	1000
Core Type EI-19, 200mW Max Output Cont.										
42TM003	B	1.2K CT	8 CT	80	1	Output	1.73	1.44	1.31	1.14
42TM011	B	1.5K CT	500 CT	120	50	Interstage	1.73	1.44	1.31	1.14
42TM022	B	1.5K CT	600 CT	65	45	Coupling	1.73	1.44	1.31	1.14
42TM021	B	4K CT	600 CT	244	77	Coupling	1.73	1.44	1.31	1.14
42TM114	B	4.6K CT	20 CT	300	2	Input	1.73	1.44	1.31	1.14
42TM024	B	10K CT	500 CT	550	150	Coupling	1.91	1.59	1.45	1.26
42TM019	B	10K CT	600 CT	600	100	Coupling	1.91	1.59	1.45	1.26
42TM002	B	10K CT	2K CT	600	155	Driver	1.91	1.59	1.45	1.26
42TM018	B	10K CT	10K CT	550	500	Interstage	1.91	1.59	1.45	1.26
42TM006	B	20K CT	1K CT	900	70	Interstage	1.91	1.59	1.45	1.26
42TM017	B	25K CT	600 CT	1000	80	Coupling	1.91	1.59	1.45	1.26
42TM117	B	50K CT	1K CT	1.2K	42	Input	1.91	1.59	1.45	1.26
Dual Secondary Core Type EI-19, 200mW Max Output										
*42TM028	B	600 CT	600/600	78	65/60	Coupling	1.73	1.44	1.31	1.14
Miniature Core Type EI-24, 400mW Max Output										
42TU048	C	48 CT	8 CT	2.5	.5	Output	2.19	1.82	1.66	1.44
42TU120	C	120 CT	8CT	7	.7	Output	2.19	1.82	1.66	1.44
42TU200	C	200 CT	8 CT	12	.5	Output	2.19	1.82	1.66	1.44
42TU400	C	500 CT	8 CT	18	.7	Output	2.19	1.82	1.66	1.44
42TU500	C	500 CT	500 CT	35	28	Interstage	2.19	1.82	1.66	1.44
42TU016	C	600 CT	600 CT	65	55	Coupling	2.19	1.82	1.66	1.44
42TU008	C	800 CT	8 CT	40	1	Output	2.19	1.82	1.66	1.44
42TU013	C	1K CT	8 CT	75	1	Output	2.19	1.82	1.66	1.44
42TU003	C	1.2K CT	8 CT	75	1	Output	2.19	1.82	1.66	1.44
42TU011	C	1.5K CT	500 CT	120	50	Interstage	2.19	1.82	1.66	1.44
42TU019	C	10K CT	600 CT	600	100	Coupling	2.19	1.82	1.66	1.44
42TU002	C	10K CT	2K CT	600	155	Driver	2.19	1.82	1.66	1.44
42TU012	C	10K CT	5K CT	425	220	Interstage	2.19	1.82	1.66	1.44

PC Pin Terminals

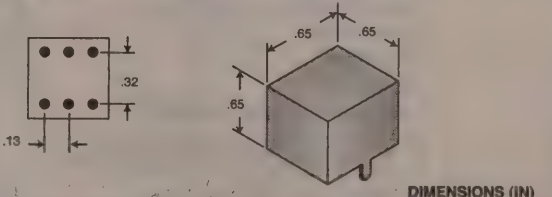
Microminiature Core Type EI-14, 75mW Max Output										
42XL016	D	600 CT	600 CT	65	55	Coupling	1.50	1.25	1.14	.99
42XL003	D	1.2K CT	8 CT	80	1	Output	1.50	1.25	1.14	.99

SHIELDED AUDIO TRANSFORMERS MICROMINIATURE CORE TYPE EI-14, 75μW MAX OUTPUT

capsulated. Metal shielded to reduce magnetic pling and electrostatic fields.

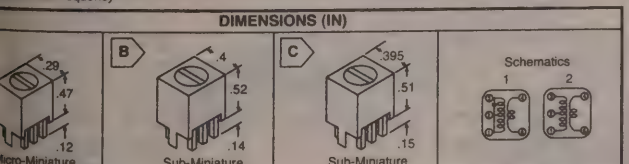
For quantities of 2000 and up, call for quote.

USER CK NO.	Impedance (Ω) Primary	Impedance (Ω) Secondary	Resistance (Ω) Primary	Resistance (Ω) Secondary	Application (typical)	Price Each 1	100	500	1000
01	500 CT	8 CT	35	1	Output	2.85	2.38	2.16	1.88
09	500 CT	500 CT	40	38	Interstage	2.85	2.38	2.16	1.88
16	600 CT	600 CT	65	55	Coupling	2.85	2.38	2.16	1.88
18	7K CT	10K CT	400	385	Interstage	2.85	2.38	2.16	1.88
02	10K CT	2K CT	580	200	Driver	2.85	2.38	2.16	1.88



XICON I.F. TRANSFORMERS

rmediate Frequency



Miniature PC Mounting

For quantities of 1000 and up, call for quote.

JSER K NO.	Fig.	Impedance Pri : Sec	Application (Typical)	Cap Color	Schem.	Turns Ratio Pri : Sec	Price Each 1	10	100	500
	A	50K : 500	1st IF	Yel	1	22 : 1	1.16	.97	.88	.80
	A	30K : 500	2nd IF	White	1	22 : 1	1.16	.97	.88	.80
	A	20K : 5K	3rd IF	Black	1	8 : 1	1.16	.97	.88	.80
z										
	A	1K : 300	2nd & 3rd IF	Org	1	8 : 1	1.21	1.00	.91	.83
	A	25K : 1K	1st IF	Green	1	8 : 1	1.21	1.00	.91	.83

Sub-Miniature PC Mounting

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance Pri : Sec	Application (Typical)	Cap Color	Schem.	Turns Ratio Pri : Sec	Price Each 1	10	100	500
455kHz										
42IF101	C	60K : 600	1st IF	Yel	1	22 : 1	.79	.71	.65	.60
42IF301	B	50K : 500	1st IF	Yel	1	20 : 1	1.11	.93	.84	.77
42IF102	C	30K : 500	2nd IF	White	1	22 : 1	.79	.71	.65	.60
42IF302	B	30K : 500	2nd IF	White	1	22 : 1	1.11	.93	.84	.77
42IF103	C	20K : 6K	3rd IF	Black	1	6 : 1	.79	.71	.65	.60
42IF303	B	20K : 5K	3rd IF	Black	1	7 : 1	1.11	.93	.84	.77
796kHz										
42IF300	B	Osc.	Tuning	Red	2	10 : 1	1.11	.93	.84	.77
42IF100	C	Osc.	Tuning	Red	2	13 : 1	.79	.71	.65	.60
42IF110	C	Osc.	Tuning	Red	2	35 : 1	.63	.57	.52	.48
10.7 MHz										
42IF122	C	15K : 300	2nd & 3rd IF	Brown	1	14 : 1	.79	.71	.65	.60
42IF123	C	25K : 4K	1st IF	Green	1	7 : 1	.79	.71	.65	.60
Variable Frequency (Capacitor-less)										
42IF104	C	50K : 500	1st IF	Yel	2	22 : 1	.79	.71	.65	.60
42IF106	C	20K : 5K	3rd IF	Black	2	6 : 1	.79	.71	.65	.60
42IF124	C	15K : 300	2nd & 3rd IF	Org	2	14 : 1	.63	.57	.52	.48

WIRE AND CABLE

Wire & Cable Mgmt.

Cable Ties, Duct, Identification, Mounting

3M 724
Avery Dennison 725
Eagle Plastic Devices 726-728
Panduit 729-735

Tubing

Alpha Wire 736-741
Weller 739
Panduit 739
Heyco 742
Qualtek 743
Raychem/Tyco Electronics 744, 745
3M 746

Wire & Cable

3M 747, 748
Alpha Wire 749-761
Belden 762-779
Amphenol 780

Cable Assemblies

3M 781, 782
Kobiconn 783, 784, 788-790
AMP/Tyco Electronics 785, 786
Belden 787
Emerson Network Power 790
Johnson Components 791, 792

INTERCONNECTS

AC Power Connectors

Power Cords, Power Entry Modules, Power Filters, Power Outlets and Inlets

Qualtek 793, 810
Volex 794, 795
Kobiconn 796-798, 810
Bulgin 798-799
Corcom/Tyco Electronics 800, 801
Schaffner 802
Schurter 803-809

DC Power Connectors

Kobiconn 811-813
Kycon 814

Audio / Video Connectors

Audio Connectors, Adapters, Banana, DIN, Phone, Phono and XLR

Kycon 815
Neutrik 816, 827-829
Switchcraft 817, 826
Kobiconn 818-821, 830
Deltron 822, 823
Pomona 824, 825
Johnson Components 831

RF Connectors

AMP/Tyco Electronics 832-835
Amphenol 836-846
Bomar Interconnect 847-848
Cambridge Products 849, 850
Johnson Components 851-854
Kobiconn 855
Molex 856
Pomona 857-859

Data/Network/Telecom Connectors

Modular, IEEE1394/Firewire, USB, DVI, Ethernet, InfiniBand, and SATA

AMP/Tyco Electronics. ....860-861, 868, ...869, 873, 875
Amphenol 862, 872
FCI 862
Bomar Interconnect 862

Data/Network/Telecom Connectors (cont.)

Modular, IEEE1394/Firewire, USB, DVI, Ethernet, InfiniBand, and SATA

Kobiconn 863, 871, 877
Pulse 864
Kycon 865-868
Delphi 869
EDAC 870
HARTING 874
Molex 868, 875, 881-883
Emerson Network Power 875
Phoenix Contact 876
Bulgin 877
Leviton 878
Panduit 879
Fujitsu 880
3M 884

"D" Connectors

D-Sub Connectors, Adapters and Hoods

3M 885-887
AMP/Tyco Electronics 888-892
Amphenol 893, 894
Cinch 895, 896
FCT 897-899
HARTING 900, 901
Kobiconn 902, 903
Kycon 904
NorComp 905-910
Phoenix Contact 911
Spectrum Control Inc. 912, 913

Circular Connectors

AMP/Tyco Electronics 914-918, 938
Amphenol 919-932
Bulgin 933, 934
Conxall 935, 936
JAE 937
Kobiconn 938
Kycon 939
Phoenix Contact 940, 941
Souriau 942-944
Switchcraft 945

INTERCONNECTS

Backplane/Card Edge/SCSI

3M 946, 952
AMP/Tyco Electronics 947-949
ALPS 950, 951
AVX/Elco 953
FCI 954, 955
HARTING 956-959
EDAC 960, 961

Rectangular Power

AMP/Tyco Electronics 962, 963
Cinch 964
HARTING 965-969
Molex 970
Phoenix Contact 971

Rectangular Connectors

Headers/Receptacles, Nylon Housings, Pin and Socket

3M 972-979, 1004
AMP/Tyco Electronics 980-1001
Cinch 1002
Circuit Assembly 1003, 1004
Delphi 1004, 1019
Kobiconn 1004
FCI 1005-1013
Harwin 1014, 1015
JAE 1016-1019
Mill-Max 1020-1023
Molex 1024-1046
Omron 1047

Sockets

Component and Test Sockets

3M 1048, 1049
Aries 1050, 1051
Tyco Electronics 1052
FCI 1053
Kobiconn 1053
Mill-Max 1054-1058
Keystone 1058

Terminals

3M 1059, 1060
AMP/Tyco Electronics 1061, 1062
Keystone 1063, 1064
Kobiconn 1065, 1066
Molex 1067, 1068
Panduit 1069-1071

Terminal Blocks

NEMA, Barrier, PCB and DIN Rail

AMP/Tyco Electronics 1072
Amphenol Pcd 1073
Buchanan/Tyco Electronics ..1074-1077
Cinch 1078
Kobiconn 1079, 1080
Molex 1081-1084
Phoenix Contact 1085-1107

3M

SDR Cable Assemblies and Connectors

This 3M SDR Connector is a ribbon contact system with a .8mm contact pitch.

Page: 884

HARWIN

2mm Datamate Connectors

The Datamate range is a professional connector system that sells at commercial prices.

Pages: 1014, 1015

JAE

SC1 and SG3 Memory Card Connectors

These connectors are for small and low profile type miniSD™ and SD cards.

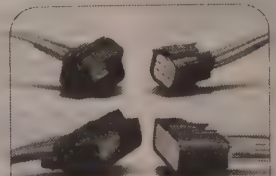
Page: 1019

JOHNSON Components

SMA Quick Connect RF Connectors and Cable Assemblies

The plug quickly mates to a standard SMA jack allowing rapid test connections to devices.

Pages: 851, 852

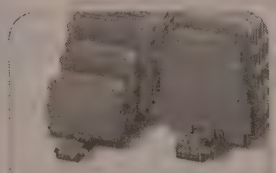


molex

MX150L Sealed Connector System

Rugged, environmentally-sealed connector system that supports both low-level and signal applications, as well as power applications up to 18.0A.

Page: 1044



PHOENIX CONTACT

ME MAX Electronic Housings

With a large PCB surface this product is expandable up to 48 connection points, with housing widths: 17.5mm to 45mm.

Page: 1101

NYLON CABLE TIES

Material: Type 6/6 Nylon (UL94V2)

Color: Natural

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
					1	100	1000	10000
517-41932	18	4	0.7	0.1	.03	.023	.015	.011
517-41936	40	6	1.25	0.14	.05	.04	.029	.026
517-41938	50	8	1.9	0.18	.05	.043	.036	.03
517-41952	50	15	4.1	0.19	.12	.097	.08	.066
517-41950	120	15	4.0	0.3	.23	.19	.17	.14

NYLON WEATHER (UV) RESISTANT CABLE TIES

Material: Type 6/6 Nylon (UL94V2)

Color: Black

For quantities of 25,000 and up, call fo

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each		
					1	100	1000
517-41930	18	4	0.7	0.1	.08	.05	.042
517-41934	40	6	1.25	0.14	.10	.076	.062
517-41940	50	8	1.9	0.18	.17	.12	.104
517-41944	50	11	3.1	0.18	.18	.14	.12
517-41948	50	15	4.1	0.19	.18	.14	.12
517-41946	120	15	4.0	0.3	.33	.26	.22

HOOK AND LOOP FASTENERS

Tiny, stiff hooks mesh with pliable loops for quick secure fastening.

Scotchmate™ General Purpose Pressure Sensitve

Simply peel off the liner and press in place. These general purpose products offer high adhesive bond to a wide variety of materials and provide excellent moisture resistance. When supporting static loads, temperature should not exceed 49°C / 120°F to avoid slippage or movement of the fastener in the direction of the static force due to softening of the adhesive. Temperature range is -29°C / -20°F to 49°C / 120°F continuous, to 70°C / 158°F intermittent.

Dual Lock™ General Purpose Pressure Sensitive

3M™ Dual Lock™ Reclosable Fasteners have been used extensively in transportation, electronics, business equipment, machinery, medical and sign and display markets. When the mushroom-shaped stems interlock, t strength is high enough to replace mechanical fasteners in many applications, yet you can readily open and c Dual Lock fasteners hundreds of times. High temperature and solvent resistant. Black, polypropylene reclosab fastener with rubber based pressure sensitive adhesive and works well on many plastic surfaces.

By the Foot

MOUSER STOCK NO.	Price Per Foot		Description
	1	10	
517-3401B-FT	1.40	1.25	1" wide, black sew on
517-3401W-FT	1.40	1.25	1" wide, white sew on
517-3526-FT	2.70	2.45	1" wide, black adhesive
517-3526W-FT	2.70	2.45	1" wide, white adhesive

Mini-Pack (4.9 Yards)

MOUSER STOCK NO.	Price Per Reel	
	1	5
517-3401B/REEL	15.99	14.95
517-3401W/REEL	15.99	14.95
517-3526/REEL	27.69	25.75
517-3526W/REEL	27.69	25.75

By the Foot

MOUSER STOCK NO.	Price Per Foot		Description
	1	10	
517-3541-FT	4.01	3.62	1" wide, black adhesive
517-3551-FT	5.61	5.06	1" wide, black adh UV resistant
517-3560-FT	6.89	6.23	1" wide, clear adhesive

Mini-Pack (4.9 Yards)

MOUSER STOCK NO.	Price Pe	
	1	
517-3541/REEL	40.56	
517-3551/REEL	57.37	
517-3560/REEL	65.31	

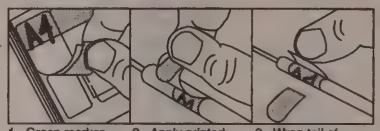
SPB PRE-PRINTED WIRE MARKER BOOKS

- Clearly printed
- Wide Variety
- Legible, Neat
- Convenient

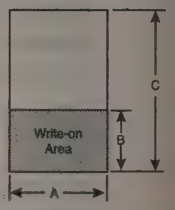
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Contents	Quantity Each	Price Each
517-SPB-01	0-9	45	15.94
	L1-L3, T1-T3	15	
517-SPB-02	A-Z, 0-15, +, -, /	10	15.94
517-SPB-03	1-45	10	15.94
517-SPB-04	1, 2, 3	150	15.94
517-SPB-05	A, B, C	150	15.94
517-SPB-06	T1, T2, T3	150	15.94
517-SPB-07	L1, L2, L3	150	15.94
517-SPB-08	1-15	6	15.94
	16-90	4	
	A-Z, +, -, /, O	2	
517-SPB-09	1, 2, 3, A, B, C	45	15.94
	L1-L3, T1-T3	30	
517-SPB-11	1-30	15	15.94
517-SPB-12	A-Z	15	15.94
	+	8	
	-	6	
	Write-On Markers	21	
517-SPB-13	+, -, AC, DC	45	15.94
	POS, NEG, GND	33	
	NEUT, SPARE	27	
	Write-On Markers	21	
517-SPB-14	46-90	10	15.94
517-SPB-15AS	30 Alarm System Legends	9	15.94
	1-15	5	
	16-45	2	
	Write-On Markers	21	
517-SPB-16LC	68 Load Center Legends	5	15.94
	Write-On Markers	110	

SWB WRITE-ON WIRE MARKER BOOKS



1. Grasp marker and liner tab at bottom and remove by peeling upward.
2. Apply printed end of marker to wire and wrap, bending marker to lift tab.
3. Wrap tail of marker over legend as tab seperates from marker.



The 3M SWB Write-on Wire Marker Book contains self laminating, write-on markers designed for small volume applications involving special or complex legends that are hand written at the job site.

For quantities of 5 and up, call for

MOUSER STOCK NO.	Labels Per Book	Write-on Area (In.)		Marker Size (In.)		Recommended Wire O.D.	P E
		A	B	A	C		
517-SWB-01	180	0.5	0.5	0.5	1.5	0.16 x 0.31	1
517-SWB-02	120	0.75	0.75	0.75	1.75	0.24 x 0.31	1
517-SWB-03	60	1.0	1.0	1.0	2.85	0.32 x 0.58	1
517-SWB-04	30	1.0	1.0	1.0	5.0	0.32 x 1.55	1

WIRE PULLING LUBRICANT COMMUNICATIONS

Slow drying, water based liquid lubricant formulated for lightweight cable pulling. Provides maximum tension reduction for lo fiber optic pulls, multiple bend pulls, and pulls in hot environments.

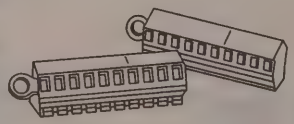
For quantities of 10 and up, call fo

MOUSER STOCK NO.	Size	Price Each	
		1	
517-WLCQT	1 quart bottle	9.38	8
517-WLC1	1 gallon pail	19.09	17

WIRE MARKING AND LABELING

ScotchCode™ Wire Marker Tape Dispensers

Dispenser with ten refillable compartments for the easy-to-cut colored, lettered, or numbered tape.



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
		1	10
517-STD09	Dispenser, 1 roll each # 0-9	29.40	26.57
517-STDC	Dispenser, 1 roll each color: black, blue, brown, green, gray, orange, red, violet, white, and yellow	29.40	26.57

Numbered and Colored Tape Refills

Fill in the blank (__) of the part number with (0, 1, 2, 3, 4, 5, 6, 7, 8, 9) for the numbered refill or (BK, RD, YL, WH, GN, GY, OR, VL, BL, BN) for the colored refill you are ordering.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
		1	10
517-SDR__	Refill for wire marker tape dispenser	1.96	1.76

ScotchCode™ Write-On Wire Marker Tape Dispensers and Refills

Dispensers provide a smooth, stable writing surface. Use for cable, motor panels, control panels or sub-assemblies --- any wire or cable. SLW comes with SMP marker pen and 70 markers. SLW is disposable with no refill. The SWD comes with the pen and 250 markers.

For quantities of 25 and up, call for

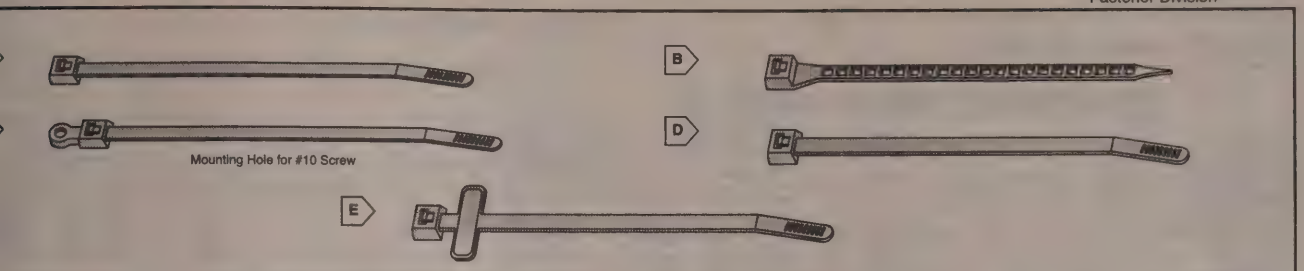
MOUSER STOCK NO.	Description	Price E	
		1	
517-SLW	Dispenser for large write-on wire markers, size 1" x 5"	26.84	2
517-SWD	Dispenser for write-on markers, size 3/4" x 1-3/8"	22.58	2
517-SWD-R	Write-on marker refills, size 3/4" x 1-3/8"	17.43	1

ScotchCode Marking Pens

Pens feature an extra-fine point with quick-drying water-resistant ink. For use with write-on markers and on other non-porous surfaces.

For quantities of 25 and up, call for

MOUSER STOCK NO.	Description	Price E	
		1	
517-SMP	Permanent black ink	4.33	



BAR-LOK® CABLE TIES

s:
ctured of 100% nylon
design for ease of handling
allation

- Maximum holding ability

File No. E57800

Specifications:
- Type 6/6 nylon
- Self-extinguishing - UL94 flam., class: V-2
- Meet MIL-S-23190, MS3367, ASTM D 4066-82
- Operating temperature: -40°C to 85°C
- Heat stabilized: -40°C to 105°C

re Ties

For quantities of 10000 and up, call for quote.

ER K NO.	Fig.	Style	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	1000
432	A	Natural	18	4	.875	.095	.05	.03	.02
433	A	Black, weather resist.	18	4	.875	.095	.06	.04	.03

diate Ties

For quantities of 10000 and up, call for quote.

376	A	Natural	40	5.5	1 1/4	.13	.07	.06	.04
377	A	Natural	40	8	2 1/8	.13	.10	.08	.06
380	A	Black, weather resist.	40	8	2 1/8	.13	.12	.10	.07

rd Ties

For quantities of 10000 and up, call for quote.

ER K NO.	Fig.	Style	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	1000
387	A	Natural	50	7.5	1 3/4	.177	.07	.06	.04
600	A	Natural	50	11	3	.177	.14	.11	.09
036	A	Natural	50	15	4	.177	.22	.18	.14
037	A	Black, weather resist.	50	15	4	.177	.25	.21	.16

Ties

For quantities of 10000 and up, call for quote.

472	B	Black, heat stabilized	40	7	1 3/4	.14	.07	.06	.04
476-1	B	Natural	40	7	1 3/4	.14	.10	.06	.04
471	B	Natural	40	11	3	.14	.14	.08	.07

Screw Mount-Standard Ties

For quantities of 10000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Style	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	1000
514-08484-1	C	Natural	50	7.5	1 3/4	.177	.13	.12	.09
514-10350	C	Natural	50	11	3	.177	.13	.12	.10

Slim Line Ties

For quantities of 10000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Style	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	1000
514-10325	D	Natural	18	8	2 1/8	.095	.06	.05	.03
514-10327	D	Black, weather resist.	18	8	2 1/8	.095	.08	.06	.04
514-10335	D	Natural	40	15	4	.14	.24	.18	.11

Miniature Identification Ties

Features:
- Mark on textured tab with cable tie marking pen (sold separately)
- Can be heat stamped

Specifications:
- Type 6/6 nylon
- Self-extinguishing - UL94 flam., class: V-2
- Designed in accordance with MIL-S-23190 and MS 3368

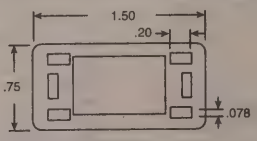
File No. E57800

For quantities of 10000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Style	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	1000
514-08412	E	Natural, ID	18	4	.875	.095	.18	.14	.07

CABLE TIE ID PLATE (NYLON)

s:
venient tagging of wire bundles and cables



DIMENSIONS (IN.)

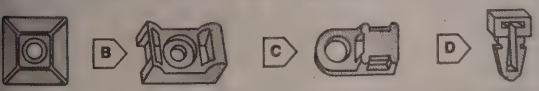
For quantities of 25000 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	100	1000	10000
514-08457-1	.29	.15	.11	.09

BAR-LOK® CABLE TIE MOUNTS

s:
l nylon (type 6/6)
modates minimal space limitations

- Slips through slot easily and is securely contained for easy assembly and tensioning

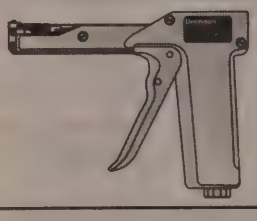


For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	100	500	1000
514-08461	A	3/4" adhesive 4-way mount for mini & intermediate ties	.49	.17	.11	.10
514-08462-1	A	1" adhesive 4-way mount for mini and standard ties	.52	.26	.20	.15
514-10045-1	B	#8 screw size, cradle mount, for standard ties	.27	.15	.11	.09
514-10046-1	B	#10 screw size, cradle mount, for heavy duty ties	.34	.18	.14	.10
514-10027-1	C	#8 screw size, ANC base mount, for standard ties	.20	.10	.08	.06
514-10028-1	C	#10 screw size, ANC base mount, for standard ties	.22	.12	.09	.07
514-10056-1	D	Push-in mount, for standard ties, .25" mounting hole	.25	.13	.10	.07

CABLE TIE INSTALLATION TOOL

s:
ble, pre-set tension results in uniform cable tie application, neater bundles, more efficient harnessing
se construction, allows easy positioning in hard-to-reach areas or on intricate harnesses
resistant action for operator comfort. No "snap" when tie is cut, the tool absorbs all impact
e, long-life construction. Extremely durable compression spring mechanism, rugged aluminum housing



For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Price Each
514-08480	125.87

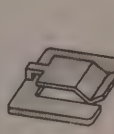
CABLE CLIP

s:
use of any width cable
of type 6 nylon

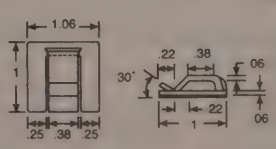
- Accommodates stacked cable

For quantities of 2000 and up, call for quote.

SER K NO.	Description	Price Each 1	100	500	1000
8406	High quality, durable, non-conductive cable clip	.58	.30	.22	.18



DIMENSIONS (IN.)



EAGLE PLASTIC DEVICES Nylon Cable Ties & Installation Tool

All cable ties are UL Recognized except where noted with an (*) asterisk.

epd STANDARD TIES

eagle plastic devices

- Color: natural
- Material: Type 6/6 Nylon (UL94V2)

For quantitiesof 25,000 and up, call for quote.

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
					1	100	1000	10000
Miniature Range								
561-N3502	17	3.15	.55	.098	.04	.030	.020	.010
481-0102	18	4.0	.98	.098	.05	.019	.007	.006
561-N3506	17	6.3	1.40	.098	.11	.080	.050	.040
561-N3508	17	7.9	2.0	.098	.11	.080	.050	.040
Intermediate Range								
481-0108	40	6.0	1.50	.146	.05	.031	.027	.019
561-N3512	40	7.9	2.0	.142	.11	.10	.060	.060
561-N3514	40	11.6	2.95	.142	.15	.13	.090	.080
Standard Range								
561-N3522	50	6.3	1.42	.189	.07	.050	.040	.040
561-N3515	50	7.1	1.58	.189	.07	.050	.050	.040
481-0115	50	8.0	2.17	.181	.05	.030	.029	.022
561-N3524	50	9.8	2.76	.189	.09	.080	.070	.050
Light Heavy Range								
561-N3540	120	5.9	1.42	.299	.20	.15	.12	.10
561-N3542	120	7.9	2.0	.299	.21	.16	.14	.11
561-N3544	120	11.4	3.15	.299	.24	.19	.17	.15

epd STANDARD WEATHER RESISTANT TIES

eagle plastic devices

- Color: black
- Material: Type 6/6 Nylon (UL94V2)

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
					1	100	1000	10000
Miniature Range								
561-N3503	17	3.15	.55	.098	.08	.060	.050	.030
481-0102UV	18	4.0	.98	.098	.08	.019	.007	.006
561-N3507	17	6.3	1.4	.098	.10	.080	.070	.050
561-N3509	17	7.9	2.0	.098	.10	.080	.070	.050
Intermediate Range								
481-0108UV	40	6.0	1.5	.146	.11	.031	.027	.022
561-N3513	40	7.9	2.0	.142	.11	.10	.080	.060
561-N3516	40	11.6	2.95	.142	.14	.13	.11	.080
Standard Range								
561-N3523	50	6.3	1.42	.189	.21	.16	.14	.11
561-N3534	50	7.1	1.58	.189	.21	.16	.14	.11
481-0115UV	50	8.0	2.17	.181	.17	.030	.028	.026
561-N3537	50	9.8	2.76	.189	.21	.16	.14	.11
Light Heavy Range								
561-N3541	120	5.9	1.42	.299	.24	.19	.17	.15
561-N3543	120	7.9	2.0	.299	.24	.19	.17	.15
561-N3545	120	11.4	3.15	.299	.34	.27	.24	.19

epd SCREWMOUNT TIES

eagle plastic devices

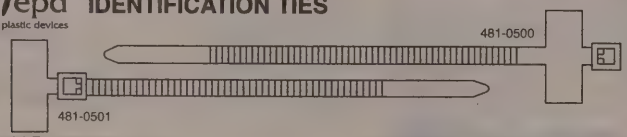
- Color: natural
- Screw Mount: ø0.181"

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
					1	100	1000	10000
Intermediate Range								
481-0200	40	6.7	1.57	.146	.070	.064	.051	.045

epd IDENTIFICATION TIES

eagle plastic devices



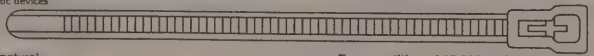
- Material: Type 6/6 Nylon (UL94V2)

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
					1	100	1000	10000
Miniature Range								
481-0500	18	4.1	.98	.098	.10	.090	.080	.070
481-0501	18	4.4	.98	.098	.10	.090	.080	.070

epd RELEASABLE TIES

eagle plastic devices



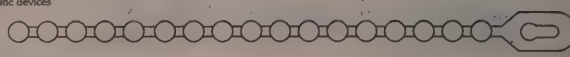
- Color: natural

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Price Each			
				1	100	1000	10000
Standard Release							
481-0300	26	4.9	1.18	.15	.10	.071	.064
481-0301	50	5.9	1.38	.17	.12	.104	.067
481-0302	50	7.8	1.97	.21	.189	.158	.089
481-0303	50	11.7	3.15	.32	.21	.150	.13

epd BEADED TIES

eagle plastic devices



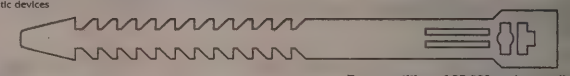
- Color: natural
- Material: Type 6/6 Nylon (UL94V2)

For quantities of 25,000 and up, call f

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Price Each		
				1	100	1000
561-N3525	30	4 1/4	1.00	.040	.030	.030
561-N3530	30	6	1.25	.070	.070	.050
561-N3535	30	8	2.00	.11	.080	.070
561-N35100	30	10	2.25	.15	.11	.090

epd AC CORD TIES

eagle plastic devices

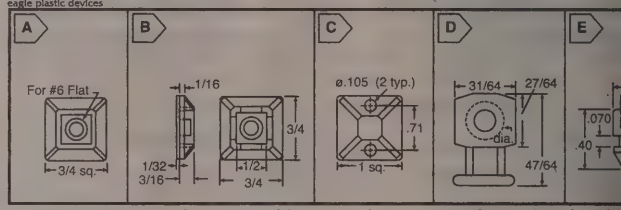


For quantities of 25,000 and up, call

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Color	Price Each		
					1	100	1000
* 481-0600	18	6.2	1.77	Natural	.12	.104	.089
* 481-0601	18	6.2	1.77	Black	.12	.104	.089

epd NYLON WIRE & CABLE TIE MOUNTS

eagle plastic devices



Cradle Mounts

Used in applications where low profile is necessary. Each mount offers a four way entry and is secured w
either a screw or adhesive backing. Note: the adhesive mounts have an acrylic foam backing and should
used on a smooth, clean, dry surface.

For quantities of 2000 and up, call fo

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	100	500
561—	N3588	A	3/4" Cradle Mount (adhesive)	.20	.16	.14
561—	N3608	B	3/4" Cradle Mount (screw)	.37	.28	.24
561—	N3590	C	1" Cradle Mount (adhesive)	.32	.23	.17
561—	N3590B	C	1" Cradle Mount (adhesive) black	.32	.23	.17

Screw Tabs

Designed for use where space is limited. Tabs are fastened with a screw to provide a low profile assembl

561—	N3595	D	#8 Screw Tab	.14	.11	.070

Clip Mounts

Designed to securely connect a tie to a predrilled hole. Can be used in applications where the back of the
is inaccessible.

561—	N3600	E	Clip Mount (Hole Size .187")	.20	.16	.14

epd UV RESISTANT SPIRAL WRAP

eagle plastic devices

Spiral wrap is a specially-designed polyethylene covering for bundling tubing, wires, and other types of conductors.

- Easy to apply and remove
- Reusable and flexible

Black Polyethylene
(UV resistant for outdoor use)

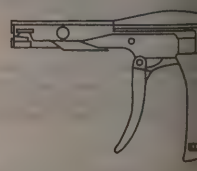
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		O.D. (In.)	Bundle Range (In.)	Price Per Coil (100')
Mfr.	Mfr. Part No.			
561—	W12BK/C	1/8	1/16-1/4	13.36
561—	W25BK/C	1/4	3/16-2	22.39
561—	W37BK/C	3/8	5/16-3	28.84
561—	W50BK/C	1/2	3/8-4	32.61

epd CABLE TIE GUN

eagle plastic devices

- .087 - .189 width
- Metal tension



MOUSER STOCK NO.	Price Each	
	1	5
561-N3000	64.35	51.48

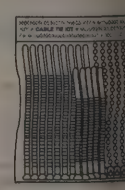
epd CABLE TIE KIT

eagle plastic devices

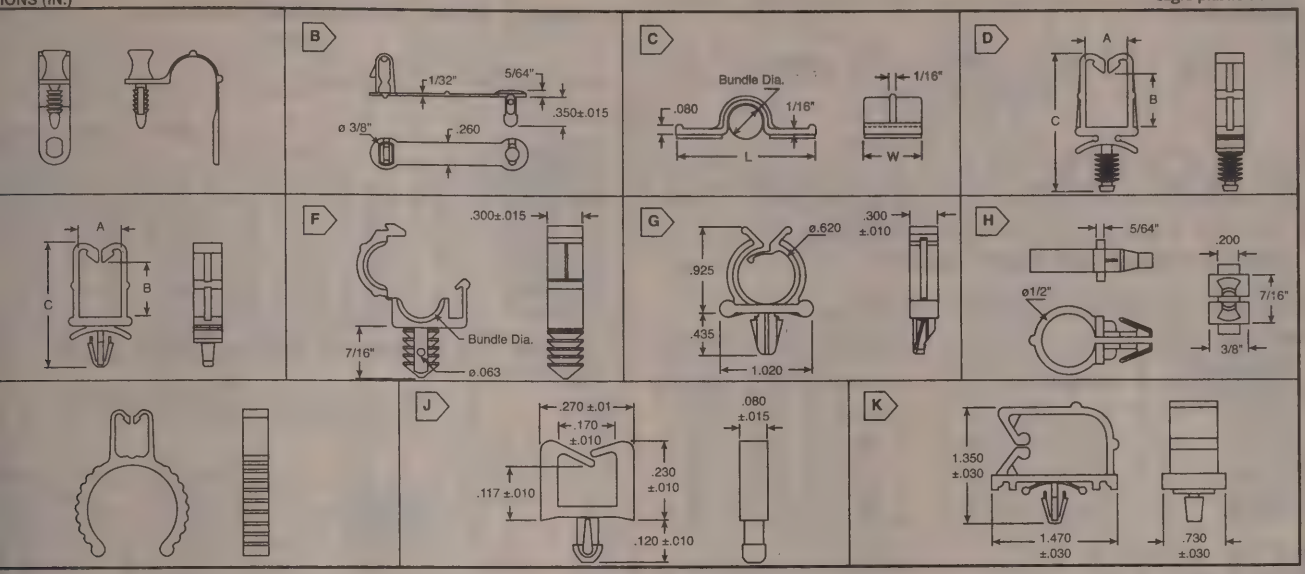
- 105 cable ties per kit
- 15 pieces of each size
- 7 different ties in each
- Resealable storage bag

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Size Range (In.)	Price Each
Mfr.	Mfr. Part No.		
370—	CT-1	4-6	12.95
370—	CT-2	6-8	12.95



IONS (IN.)



CK CABLE CLAMPS

ble clamps are designed for one-handed installation. The design features an integrated ratchet fastener minates the need for a screw or other fastener. The part is self-aligning, and the built-in handle allows for d easy installation without tools. Tha parts are molded from nylon 6/6 and are suitable for many different le, or tubing routing applications. Parts are designed to fit a 3/16" diameter hole.

USER CK NO.	Fig.	Dimensions (In.)			Price Each		
		Bundle Dia.	Hole Size	Width	1	100	1000
87250	A	.250	.187	.375	.45	.35	.23
87312	A	.313	.187	.375	.45	.35	.23
87375	A	.375	.187	.375	.45	.35	.23
87437	A	.437	.187	.375	.45	.35	.23

E RETAINING STRAPS

l tube retaining straps are designed to be pushed into a .250 dia. hole, the wire or tube can then be placed rap, simply push the pin end into the receiver end and the wire or tube is secured in place. Part is molded cally insulating Nylon 6/6

USER CK NO.	Fig.	Dimensions (In.)			Price Each		
		Bundle Dia.	Hole Size	Width	1	100	1000
25312	B	.312	.250	.260	.50	.39	.26
25375	B	.375	.250	.260	.50	.39	.26
25437	B	.437	.250	.260	.50	.39	.26
25500	B	.500	.250	.260	.50	.39	.26
25562	B	.562	.250	.260	.50	.39	.26

BLE ADHESIVE CABLE CLIP

es:
corrosion resistant nylon 6/6 clip is backed with a quality foam adhesive tape.
ouble clip design develops greater shear loads and holding power.
tall, simply pull the clip off of the liner strip and press into place.
les to drill or screws to turn.
press clips provide a low in-place assembly that is quick and permanent.
hylene foam tape has excellent conformability, high temperature
olvent resistance and high ultimate bond strength.

USER CK NO.	Fig.	Dimensions (In.)			Price Each		
		Bundle Dia.	Hole Size	Width	1	100	1000
C1337	C	.125	.760	.375	.50	.39	.26
C2550	C	.250	1.380	.500	.50	.39	.26
C3862	C	.375	1.505	.625	.63	.48	.33
C5075	C	.500	1.600	.750	.63	.48	.33

E / CABLE HOLDERS

ble Holders are designed to mount into 3/16 or 5mm hole diameters. Wire/Cable Holders can be used in a of panel thicknesses and materials. Sizes are available to handle wire bundle diameters from .375" to .500"

USER CK NO.	Fig.	Dimensions (In.) ±.031			Price Each		
		A	B	C	1	100	1000
A3750	D	.375	.500	.922	.40	.26	.18
A3775	D	.375	.750	1.172	.40	.26	.18
A5075	D	.500	.750	1.219	.40	.26	.18
A5000	D	.500	1.000	1.469	.40	.26	.18
B3750	E	.375	.500	.922	.40	.26	.18
B3775	E	.375	.750	1.172	.40	.26	.18
B5075	E	.500	.750	1.219	.40	.26	.18
B5000	E	.500	1.000	1.500	.40	.26	.18

RELEASABLE CLAMP

Wire/Cable Holders are designed to mount into 3/16 to 1/4 or 6mm hole diameters. Wire/Cable Holders can be used in a variety of panel thicknesses and materials. Sizes are available to handle wire bundle diameters from .375" to 1"

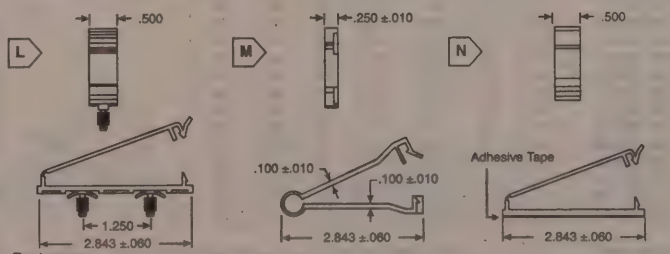
MOUSER STOCK NO.	Fig.	Dimensions (In.)			Price Each		
		Bundle Dia.	Hole Size	Width	1	100	1000
561-CB037	F	.375	.187	.187	.55	.41	.28
561-CB050	F	.500	.187	.187	.55	.41	.28
561-CB025	F	.500	.250	.187	.55	.41	.28
561-CB100	F	1.000	.250	.375	.62	.48	.44

WIRE / CABLE CLIPS

Features:
- Wire Clips are molded in Nylon 6/6 material. Holds up to ten 26 gauge wires (1/32 outside dia.)
- They can be used on densely packed PC boards or any other limited space applications.
- Wires install easily by pressing down on retaining arms which flex to accept wire then spring back into place.
- Split wire routing clips allow for the loading of wires by separating the cup at the split and then inserting the prongs of the clip into a hole in the panel.
- Various wiring, such as telephone wire, is often routed with electrical conduit.
- Conduit Clips are designed to snap onto electrical conduit.
- The integrated wire holder on the clip allows wiring to be secured to the conduit.
- Installation is faster and easier than with a wire tie, which is often used for this purpose.
- The clip can be easily removed if necessary, up to 5/16" diameter. Parts are molded in light weight, chemical and corrosion resistant Nylon 6/6.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	100	1000
561-PM62250	G	Cord clip, bundle dia. .620	.51	.40	.37
561-RC2550	H	Split wire routing clip. Bundle dia. .500	.45	.35	.23
561-C05025	I	Conduit clip for 1/2" conduit	.51	.40	.37
561-C07531	I	Conduit clip for 3/4" conduit	.51	.40	.37
561-C170120	J	Micro wire clip	.19	.12	.10
561-WC7510	K	Wire clip with push-in mount	.63	.48	.33

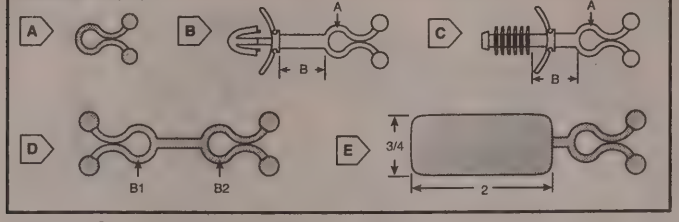
RIBBON CLIPS



Features:
- One Piece Ribbon Clip and Adhesive Ribbon Cable are molded in tough non-conductive nylon.
- The design allows for quick positive clamping of flat cable up to 50 conductors wide, without the need for securing the clip to a board or chassis. One Piece Ribbon Clips are releasable and reusable. The Adhesive Clips have a peel and stick adhesive backing.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	100	1000
561-CC250	L	Ribbon clip up to 50 conductor	.93	.73	.66
561-CC200	M	Ribbon clip up to 50 conductor	.45	.35	.23
561-CC251	N	Ribbon clip up to 50 conductor	1.06	.80	.70

DIMENSIONS (IN.)



epd NYLON "EZ" TWIST LOCKS

eagle plastic devices

Securely positions and holds wire, cable or tubing. Simply twist to wrap; untwist to unwrap. Reusable and molded of tough, resilient nylon 6/6 (UL 94V2), color: natural.

"EZ" Twist Locks

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Bundle dia. (In.)	Price Each 1	100	1000	5000
561-EZ125	A	1/8" lock	.11 - .14	.15	.09	.06	.05
561-EZ250	A	1/4" lock	.20 - .27	.15	.09	.06	.05
561-EZ375	A	3/8" lock	.30 - .40	.17	.09	.04	.04
561-EZ500	A	1/2" lock	.40 - .50	.17	.10	.04	.04
561-EZ625	A	5/8" lock	.55 - .65	.19	.11	.07	.06
561-EZ750	A	3/4" lock	.70 - .80	.20	.12	.08	.06

"EZ" Twist Lock Supports

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.) A	B	Mtg. Hole	Panel Range	Price Each 1	100	500
561-EZS250	B	.250	.954	.187	.030/.078	.17	.11	.10
561-EZS200	B	.200	.011	.187	.030/.078	.15	.10	.09
561-EZS450	B	.450	.625	.187	.030/.078	.18	.12	.10
561-EZS625	B	.625	.028	.187	.030/.078	.22	.15	.13

"EZ" Twist Lock Fin Clip Base

For quantities of 1000 and up, call for quote.

561-EZFB025	C	.375	.250	.188	1/32-1/4	.29	.20	.17
561-EZFB050	C	.375	.500	.188	1/32-1/4	.30	.20	.18

epd NYLON DOUBLE "EZ" TWIST LOCKS AND LABELS

Doube Ended "EZ" Twist Locks

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	B1 / B2	Price Each 1	100	500	1000
561-DEZ0001	D	.30/.40	.50	.31	.18	.17
561-DEZ0002	D	.40/.50	.57	.34	.20	.19

"EZ" Twist Lock Labels

For quantities of 2000 and up, call for quote.

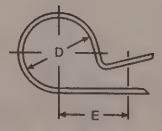
MOUSER STOCK NO.	Fig.	Bundle Dia. (In.)	Price Each 1	100	500	1000
561-EZLB0250	E	1/4"	.60	.36	.21	.20
561-EZLB0375	E	3/8"	.60	.36	.21	.20

epd NYLON CABLE CLAMPS

Heavy Duty

For quantities of 5000 and up, call for quote.

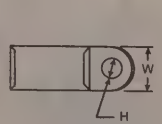
MOUSER STOCK NO.	Dimensions (In.) D	W	H	E	Price Each 1	100	1000
561-B0125	1/8	1/2	.203	.315	.13	.04	.04
561-B0187	3/16	1/2	.203	.425	.13	.04	.04
561-B0250	1/4	1/2	.203	.410	.13	.04	.04
561-B0312	5/16	1/2	.203	.500	.13	.04	.04
561-B0375	3/8	1/2	.203	.530	.15	.06	.05
561-B0437	7/16	1/2	.203	.560	.15	.06	.05
561-B0500	1/2	1/2	.203	.595	.15	.06	.05
561-B0562	9/16	1/2	.203	.606	.15	.06	.05
561-B0625	5/8	1/2	.203	.655	.15	.06	.05
561-B0750	3/4	1/2	.203	.780	.19	.07	.06
561-B1000	1	1/2	.203	.910	.19	.07	.06
561-B1250	1 1/4	1/2	.203	1.06	.21	.09	.08
561-B1500	1 1/2	1/2	.203	1.19	.21	.09	.08



Standard

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Dimensions (In.) D	W	H	E	Price Each 1	100	500
561-C0125	1/8	3/8	.167	.329	.11	.04	.03
561-C0187	3/16	3/8	.167	.430	.11	.04	.03
561-C0250	1/4	3/8	.167	.410	.11	.04	.03
561-C0312	5/16	3/8	.167	.495	.11	.04	.03
561-C0375	3/8	3/8	.167	.595	.12	.04	.03
561-C0500	1/2	3/8	.167	.605	.13	.04	.04

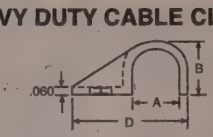


DIMENSIONS (IN)

epd HEAVY DUTY CABLE CLIPS

eagle plastic devices

DIMENSIONS (IN.)

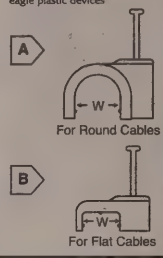


For quantities of 1000 and up, call for

MOUSER STOCK NO.	(In.) Size	Dimensions (In.) A	B	C	D	Price Each 1	100	5
561-1250CC	1/8	.115	.115	.307	.675	.29	.13	
561-1720CC	3/16	.172	.172	.328	.732	.32	.14	
561-2340CC	1/4	.234	.234	.366	.793	.33	.15	
561-2970CC	5/16	.297	.297	.400	.859	.34	.15	
561-3590CC	3/8	.359	.359	.430	.910	.36	.16	
561-4220CC	7/16	.422	.422	.460	.980	.37	.17	
561-4840CC	1/2	.484	.484	.492	1.044	.37	.17	

epd POLYETHYLENE NAIL-IN CABLE CLIPS

eagle plastic devices



Molded nail-in clips are used to safely install cable TV, fiber optics, computer networks, telephone, and other communication systems, hydraulic and pneumatic systems.

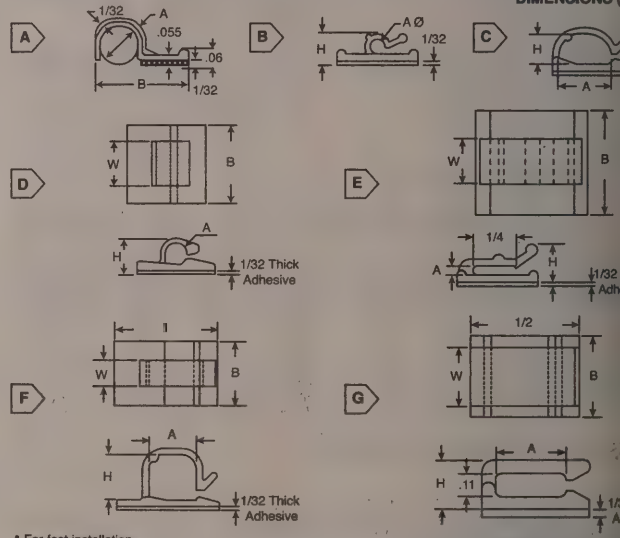
For quantities of 2000 and up, call for

MOUSER STOCK NO.	Fig.	W (In.)	Fits Cable Type	Price Each 1	100	500
561-C0050	A	.197	RG-58	.26	.10	.07
561-C0070	A	.276	RG-6	.26	.10	.07
561-C0080	A	.315	TRIAX	.26	.10	.07
561-C0090	B	.354	DUAL RG-6	.28	.10	.07

epd NYLON ADHESIVE BACKED CABLE CLIPS

eagle plastic devices

DIMENSIONS (I



• For fast installation

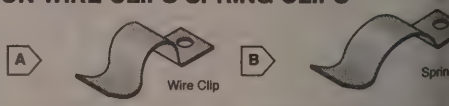
For quantities of 2000 and up, call for

MOUSER STOCK NO.	Fig.	Dimensions (In.) A	B	W	H	Price Each 1	100	500	1
561-SP13037	A	.125	.493	.375	.217	.20	.16	.14	
561-SP25550	A	.250	.865	.500	.343	.20	.16	.14	
561-SP38562	A	.375	1.000	.625	.475	.22	.18	.16	
561-SP50575	A	.500	1.125	.750	.593	.23	.21	.17	
561-AWC00125	B	.118	.510	.200	.200	.13	.11	.10	
561-AWC00375	C	.460	.750	.375	.310	.23	.21	.17	
561-AWC187	D	.187	.650	.375	.266	.30	.25	.22	
561-AWCF2547	E	.435	.470	.200	.219	.25	.21	.18	
561-AWC440	F	.460	.625	.250	.440	.35	.28	.25	
561-AWCF32811	G	.328	.375	.270	.190	.25	.21	.18	

epd NYLON WIRE CLIPS-SPRING CLIPS

eagle plastic devices

These clips provide fast, secure assembly and routing of wires, standard round cable, flat cable and tubing. The spring clip can also be used to mount panels, glass, displays, or signs. All contact edges are rounded for product protection.



For quantities of 2000 and up, call for

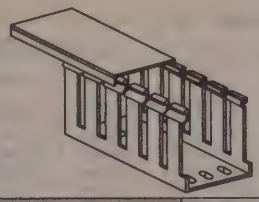
MOUSER STOCK NO.	Fig.	Dimensions (In.)	Price Each 1	100	500
561-WC500312	A	1/2 x .312	.28	.21	.14
561-SCP375132	B	3/8 x .132	.23	.17	.11

PANDUCT® WIRING DUCT

general purpose control panel wiring and to route and iring in communication closets. The nonslip cover ell wiring and is easy to install. The duct and cover ush sidewall providing increased capacity and improved s. ULrecognized, CSA certified.

- Rigid PVC construction
- Color light gray
- UL flammability rating: 94V-0

Other sizes and colors available.
Contact a Mouser Service Representative for assistance.

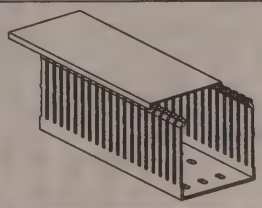


"G" Wiring Duct

gers provide added support

MOUSER STOCK NO.	Panduit Part No.	Duct External Dim.: (In) Width	Height	Price Per Each 6' Section 1	5
g Duct					
.5X.5LG6-1	G.5X.5LG6	.69	.60	16.95	15.82
.75X.75LG6-1	G.75X.75LG6	.93	.82	20.11	18.77
1X1LG6-1	G1X1LG6	1.26	1.12	21.28	19.86
1X1.5LG6-1	G1X1.5LG6	1.25	1.59	27.60	22.38
1X2LG6-1	G1X2LG6	1.25	2.09	28.45	27.11
1X3LG6-1	G1X3LG6	1.25	3.10	37.14	30.06
1.5X1LG6-1	G1.5X1LG6	1.75	1.59	24.96	20.22
1.5X1.5LG6-1	G1.5X1.5LG6	1.75	1.62	37.33	34.85
1.5X3LG6-1	G1.5X3LG6	1.75	3.10	40.74	33.06
2X1LG6-1	G2X1LG6	2.25	1.09	28.80	23.34
2X1.5LG6-1	G2X1.5LG6	2.25	1.59	31.64	25.65
2X2LG6-1	G2X2LG6	2.25	2.09	31.90	30.75
2X4LG6-1	G2X4LG6	2.25	4.10	50.50	40.94
3X1LG6-1	G3X1LG6	3.25	1.09	33.46	27.13
3X2LG6-1	G3X2LG6	3.25	2.09	39.85	32.31
3X3LG6-1	G3X3LG6	3.25	3.10	45.84	42.34
4X1.5LG6-1	G4X1.5LG6	4.25	1.58	38.88	31.89
4X2LG6-1	G4X2LG6	4.25	2.09	46.14	37.40
4X3LG6-1	G4X3LG6	4.25	3.10	53.34	43.24

MOUSER STOCK NO.	Panduit Part No.	Price Per Each 6' Section 1	5
Wiring Duct Cover			
644-C.5LG6-1	C.5LG6	5.41	5.05
644-C.75LG6-1	C.75LG6	5.76	5.38
644-C1LG6-1	C1LG6	5.95	5.56
644-C1LG6-1	C1LG6	5.95	5.56
644-C1LG6-1	C1LG6	5.95	5.56
644-C1LG6-1	C1LG6	5.95	5.56
644-C1.5LG6-1	C1.5LG6	7.20	6.72
644-C1.5LG6-1	C1.5LG6	7.20	6.72
644-C1.5LG6-1	C1.5LG6	7.20	6.72
644-C2LG6-1	C2LG6	8.82	8.18
644-C2LG6-1	C2LG6	8.82	8.18
644-C2LG6-1	C2LG6	8.82	8.18
644-C2LG6-1	C2LG6	8.82	8.18
644-C3LG6-1	C3LG6	13.86	13.14
644-C3LG6-1	C3LG6	13.86	13.14
644-C3LG6-1	C3LG6	13.86	13.14
644-C4LG6-1	C4LG6	17.34	14.04
644-C4LG6-1	C4LG6	17.34	14.04
644-C4LG6-1	C4LG6	17.34	14.04



"F" Wiring Duct

ingers feature less "fanning" of wires for a neater appearance.
the proper spacing for use with high density terminal blocks.

MOUSER STOCK NO.	Panduit Part No.	Duct External Dim.: (In) Width	Height	Price Per Each 6' Section 1	5
g Duct					
.5X.5LG6-1	F.5X.5LG6	0.69	0.60	16.95	15.82
.75X.75LG6-1	F.75X.75LG6	0.93	0.82	20.11	18.77
1X1LG6-1	F1X1LG6	1.26	1.12	21.28	19.86
1X2LG6-1	F1X2LG6	1.26	2.12	28.67	26.76
1.5X1.5LG6-1	F1.5X1.5LG6	1.75	1.62	29.31	27.36
2X2LG6-1	F2X2LG6	2.25	2.12	31.20	29.13
3X3LG6-1	F3X3LG6	3.25	3.12	47.34	44.19

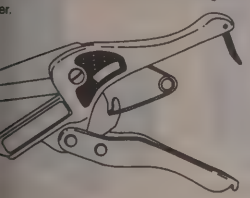
MOUSER STOCK NO.	Panduit Part No.	Price Per Each 6' Section 1	5
Wiring Duct Cover			
644-C.5LG6-1	C.5LG6	5.41	5.05
644-C.75LG6-1	C.75LG6	5.76	5.38
644-C1LG6-1	C1LG6	5.95	5.56
644-C1LG6-1	C1LG6	5.95	5.56
644-C1.5LG6-1	C1.5LG6	7.20	6.72
644-C2LG6-1	C2LG6	8.82	8.18
644-C3LG6-1	C3LG6	13.86	13.14

PANDUCT® ACCESSORIES

g Tool

uty steel tool incorporates a new, improved blade which minimizes cutting force and blade wear.

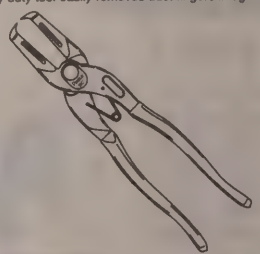
a smooth burr-free cut on both wiring duct er.



OUSER OCK NO.	Panduit Part No.	Price Each
CT	DCT	93.11

Duct Finger Cutting Tool

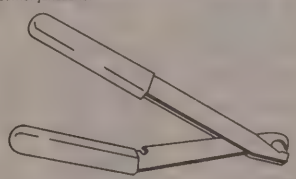
Heavy duty tool easily removes duct fingers in tight places.



MOUSER STOCK NO.	Panduit Part No.	Price Each
644-DFCT	DFCT	79.78

Notching Tool

Heavy duty tool used to notch slotted wall wiring duct from the bottom of a slot to the base of the duct. Notches duct sidewalls to bottom scoreline for tee and corner junctions.



MOUSER STOCK NO.	Panduit Part No.	Price Each
644-DNT-100	DNT-100	122.22

Retainers

between fingers of Slotted Wiring Duct to contain wiring when removed

OUSER OCK NO.	Panduit Part No.	For Wiring Duct Type	Material	For Wiring Duct Width	Price Each 1	10	100
VR2-C	WR2-C	G	Nylon	2.0"	1.00	.90	.82
VR3-C	WR3-C	G	Nylon	3.0"	1.00	.90	.82
WR-C	FWR-C	F	Rigid PVC	1.5" - 4.0"	.95	.86	.78

Duct Corner Strips

A one-piece PVC corner strip for joining sections of PVC duct at corners or a tee corner.

MOUSER STOCK NO.	Panduit Part No.	For Wiring Duct Height	Price Each 1	5	10	25
644-CSP1LG-Q	CSP1LG-Q	1.0"	2.19	1.95	1.71	1.58
644-CSP1.5LG-Q	CSP1.5LG-Q	1.5"	2.38	2.12	1.85	1.72
644-CSP2LG-Q	CSP2LG-Q	2.0"	2.56	2.27	1.99	1.84
644-CSP3LG-Q	CSP3LG-Q	3.0"	3.29	2.92	2.56	2.38

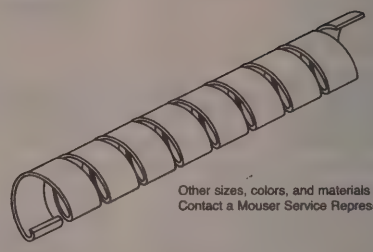
PANDUIT Abrasion Protection

SPIRAL WRAP

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	O.D. Size (In.)	Color	Material	Price Each 1	Price Each 10
644-T12F-C	T12F-C	.125D X 100FT	Natural	Polyethylene	37.02	35.00
644-T25F-C	T25F-C	.250D x 100FT	Natural	Polyethylene	49.97	44.45
644-T25F-C3	T25F-C3	.250D X 100FT	Orange	Polyethylene	60.32	53.66
644-T25F-C4	T25F-C4	.250D X 100FT	Yellow	Polyethylene	60.32	53.66
644-T38F-C	T38F-C	.375D X 100FT	Natural	Polyethylene	94.73	84.27
644-T50F-C	T50F-C	.500D x 100FT	Natural	Polyethylene	136.20	121.16
644-T50F-C3	T50F-C3	.500D x 100FT	Orange	Polyethylene	164.50	146.34
644-T50F-C4	T50F-C4	.500D x 100FT	Yellow	Polyethylene	164.50	146.34
644-T62F-C	T62F-C	.625D x 100FT	Natural	Polyethylene	156.25	139.00
644-T75F-C	T75F-C	.750D x 100FT	Natural	Polyethylene	165.90	147.59
644-T12N-C	T12N-C	.125D X 100FT	Natural	Nylon	90.93	88.61
644-T25N-C	T25N-C	.250D x 100FT	Natural	Nylon	156.40	146.63
644-T38N-C	T38N-C	.375D X 100FT	Natural	Nylon	215.68	191.87
644-T50N-C	T50N-C	.500D x 100FT	Natural	Nylon	374.65	333.29

Clear polyethylene wrap provides abrasion protection for wire bundles. Can be installed gapped, butted, or a combination of both.



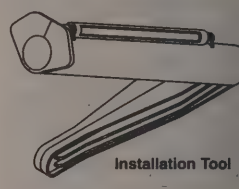
Other sizes, colors, and materials available. Contact a Mouser Service Representative.

PAN-WRAP™ SPLIT HARNESS WRAP & INSTALLATION TOOL

PAN-WRAP Split Harness Wrap is an innovative addition to the PANDUIT ®Abrasion Protection Line. Bundles and protects wires or cables. Slotted walls allow for breakouts along the length of the harness. Installation tool with 180° opening allows easy loading of maximum bundle diameters to speed installation, providing the lowest installed cost.

Patented slot pattern provides improved flexibility and abrasion protection in any application. Large overlap accommodates a wide range of bundle diameters. Unique wall design provides for easy wire or cable breakouts. Innovative design maintains uniform bundle protection in dynamic applications. Packaged on a reel for easy handling and dispensing of product.

Harness Wrap



Installation Tool

Harness Wrap

Other sizes available. Contact a Mouser Service Representative.

MOUSER STOCK NO.	Panduit Part No.	Size I.D. In. (mm)	Color	Length Ft.	Price Each 1	Price Each 5
644-PW50F-T	PW50F-T	.50 (12.7)	Natural	200	231.80	219.60
644-PW75F-C	PW75F-C	.75 (19.1)	Natural	100	163.40	154.80
644-PW50F-T20	PW50F-T20	.50 (12.7)	Black	200	231.80	219.60
644-PW75F-C20	PW75F-C20	.75 (19.1)	Black	100	163.40	154.80

Installation Tool

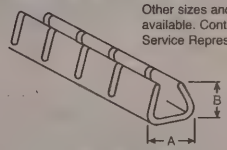
MOUSER STOCK NO.	Panduit Part No.	Size	Color	For use with	Price E 1
644-PWT50	PWT50	1/2"	White	PW50F	4.37
644-PWT75	PWT75	3/4"	White	PW75F	8.84

GROMMET EDGING

Protects and insulates wires and cables from chafing against sharp edges.

- Slotted wall

F= Natural polyethylene
FR= UL94V-0, flame retardant polyethylene



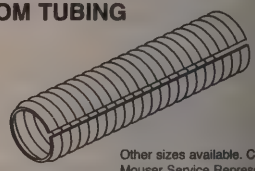
Other sizes and materials available. Contact a Mouser Service Representative.

MOUSER STOCK NO.	Panduit Part No.	Dimensions (In.) A	Dimensions (In.) B	Price Per 100 Ft. Roll 1	Price Per 100 Ft. Roll 10	Price Per 100 Ft. Roll 25
644-GEE36F-C	GEE36F-C	.026	.036	29.55	26.29	24.95
644-GEE62F-C	GEE62F-C	.036	.062	31.46	27.98	26.55
644-GEE99F-C	GEE99F-C	.062"	.099"	48.40	45.38	42.35
644-GEE144F-C	GEE144F-C	.099"	.144"	44.44	39.54	37.52
644-GEE62FR-C	GEE62FR-C	.036	.062	42.46	40.00	38.60
644-GEE99FR-C	GEE99FR-C	.062	.099	54.02	48.06	45.60
644-GEE144FR-C	GEE144FR-C	.099"	.144"	66.67	59.31	56.28

CORRUGATED LOOM TUBING

Used where spiral wrap or braided expandable sleeving may be difficult to install.

- Material: Black polyethylene



Other sizes available. C
Mouser Service Repres

MOUSER STOCK NO.	Panduit Part No.	Size (ID x OD)	Loom Tubing Wall	Reel Length	Price 1
644-CLT25F-C20	CLT25F-C20	.265" x .390	Slit	100 feet	32.36
644-CLT50F-C20	CLT50F-C20	.505" x .670	Slit	100 feet	40.49
644-CLTS25F-C	CLTS25F-C	.265" x .390	Solid	100 feet	35.00
644-CLTS38F-C	CLTS38F-C	.414" x .556"	Solid	100 feet	41.32
644-CLTS50F-C	CLTS50F-C	.505" x .670	Solid	100 feet	43.81

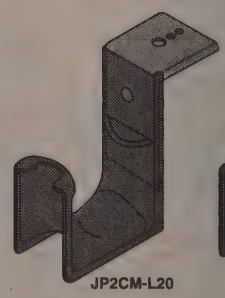
BRAIDED EXPANDABLE SLEEVING

Provides continuous abrasion resistance for wires, cables and tubing.
Lightweight, durable protection
Highly flexible open weave will not trap heat or humidity.

- Material: black polyethylene terephthalate

MOUSER STOCK NO.	Panduit Part No.	Nominal ID (In.)	Nominal Diameter Range (In.)	Reel Length	Price Each 1	Price Each 5
644-SE12P-TR0	SE12P-TR0	1/8	.094 to .250	200 feet	113.42	99.09
644-SE25P-TR0	SE25P-TR0	1/4	.125 to .375	200 feet	152.35	133.10
644-SE38P-TR0	SE38P-TR0	3/8	.188 to .562	200 feet	213.81	186.79
644-SE50P-TR0	SE50P-TR0	5/8	.250 to .750	200 feet	143.65	133.85
644-SE50P-CR0	SE50P-CR0	1/2	.250 to .750	100 feet	152.82	138.93
644-SE75P-CR0	SE75P-CR0	3/4	.500 to 1.25	100 feet	180.40	157.60
644-SE125P-LR0	SE125P-LR0	1 1/4	.750 to 1.50	50 feet	108.50	94.80
644-SE150P-LR0	SE150P-LR0	1 1/2	1.00 to 2.25	50 feet	143.60	125.50

JP2W-L20



JP2CM-L20

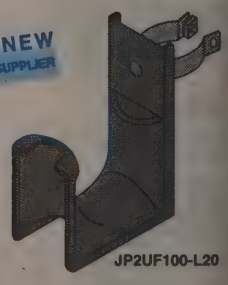
JP2HBC25

J-PRO CABLE SUPPORT SYSTEM

The J-Pro Cable Support System is designed to provide a competitive alternative to metal J Hooks for routing communication cables. It is suitable for use in air handling space and prevents pinch points that could cause damage to. The pre-riveted assemblies allow for attachment to ceilings, beams, threaded rods, drop wires and under floor supports to meet requirements of a variety of applications.

NEW FROM SUPPLIER

MOUSER STOCK NO.	Panduit Part No.	Description	Max Bundle Cap. (in.)	Max. Static Load (Lbs)	Price Each 1	Price Each 10	Price Each 25
Wall Mount							
644-JP2W-L20	JP2W-L20	One 1/4" mounting hole for user supplied screw	2	30	2.52	2.27	2.04
Ceiling Mount							
644-JP2CM-L20	JP2CM-L20	One 3/16", 1/4" and 3/8" mounting hole	2	30	3.18	2.86	2.58
Hammer-On Beam Clamp							
644-JP2HBC25R-L20	JP2HBC25R-L20	For use with flanges1/8"-1/4" thick. Rotates 360 degrees	2	30	4.26	3.83	3.45
Under Floor Pedestal Support Clamp							
644-JP2UF100-L20	JP2UF100-L20	For use with pedestal support up to 1" in dia.	2	30	3.16	2.84	2.56

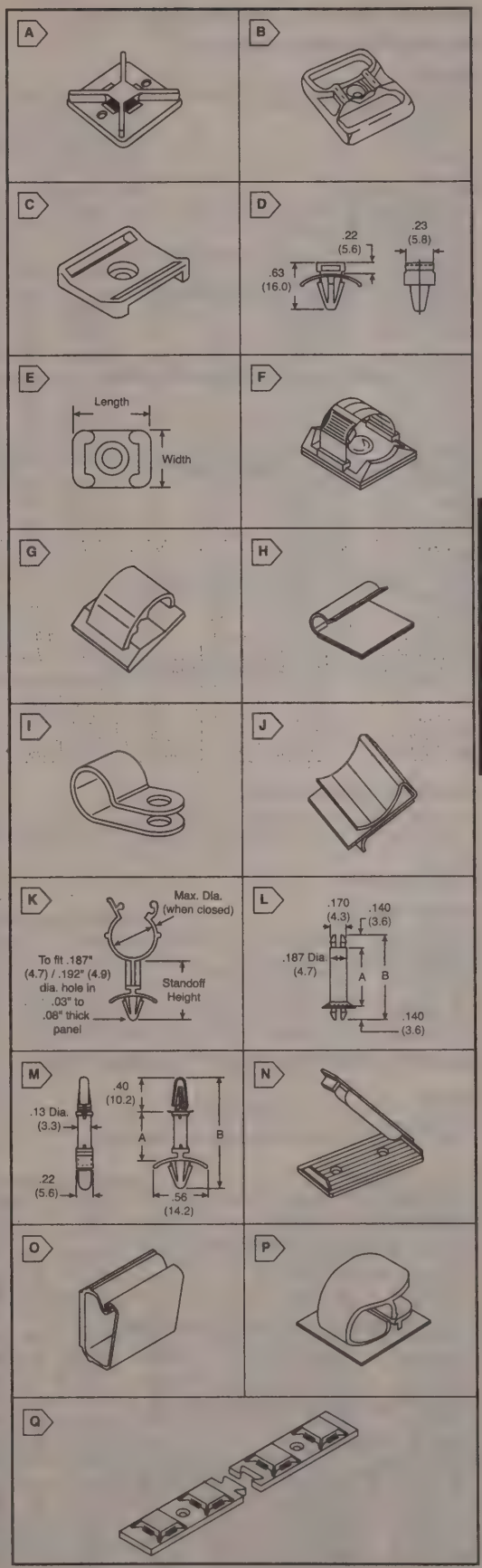


JP2UF100-L20

WIRING ACCESSORIES

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	100	500	1000
Tie Mounts						
3M2S-A-D	A	Adhesive backed, 1.0" x 1.0", 4 way	.60	.50	.45	.34
3M2S-AT-D	A	Adhesive backed, 1.0" x 1.0", 4 way	.53	.47	.44	.40
3M3H-A-L	A	Adhesive backed, 1.5" x 1.5", 4 way	1.46	1.16	1.04	.93
3M1M-A-M	A	Adhesive backed, .50" x .50", 4 way	.74	.59	.53	.39
3M1M-AT-M	A	Adhesive backed, .50" x .50", 4 way	.96	.45	.40	.35
3M100-A-M	A	Adhesive backed, 1.0" x 1.0", 4 way	.93	.74	.65	.59
3M100-AT-D	A	Adhesive backed, 1.0" x 1.0", 4 way, white,	.53	.47	.44	.40
3M112-A-M	A	Adhesive backed, 1.2" x 1.2", 4 way	1.10	.89	.68	.60
3MM-A-D	A	Adhesive backed, .75" x .75", 4 way	.69	.56	.48	.44
3MM-AT-D	A	Adhesive backed, .75" x .75", 4 way	.43	.38	.36	.32
3M4H-A-T	A	Adhesive backed, 2.0" x 2.0", 4 way	1.17	1.04	.99	.89
3MS-A-D	B	Adhesive backed, 1.13" x 1.13", 2 way	.57	.51	.46	.35
3MT-A-C	C	Adhesive backed, 1.12" x 1.12" for Hook & Loop cable tie	1.76	1.36	1.10	.99
VMS-H25-C	D	Push mount, for .105" thick panel, .25" hole dia.	.40	.33	.30	.25
M1S4-M	E	Mechanically applied #4 screw or rivet, .33" x .51"	.23	.22	.20	.18
M2S6-M	E	Mechanically applied #6 screw or rivet, .42" x .63"	.47	.31	.27	.24
M2S8-M	E	Mechanically applied #8 screw or rivet, .42" x .63"	.47	.31	.27	.24
M3S10-M	E	Mechanically applied #10 screw or rivet, .62" x .87"	.50	.45	.41	.38
M3S8-M	E	Mechanically applied #8 screw or rivet, .62" x .87"	.56	.44	.39	.37
M3S25-M	E	Mechanically applied 1/4 screw or rivet, .62" x .87"	.26	.23	.22	.20
M3R6-M	E	Mechanically applied #6 screw or rivet, .62" x .87"	.26	.23	.22	.20
Mounting Devices						
RC.68-A-C	F	Adhesive backed clamp, 1.0"x1.0", max bundle ø.69"	.74	.66	.56	.50
RC.68-A-C14	F	Adhesive backed clamp, 1.0"x1.0", max bundle ø.69"	.89	.83	.61	.55
RC.68-S6-C	F	Adhesive backed clamp, 1.0"x1.0", max bundle ø.69"	.42	.38	.36	.32
RC.68-S6-C14	F	Adhesive backed clamp, 1.0"x1.0", max bundle ø.69"	.47	.38	.32	.29
CC19-A-M	G	Adhesive backed clip, .75"x.62", max bundle ø.19"	.52	.41	.37	.33
CC38-A-M	G	Adhesive backed clip, 1.0"x1.0", max bundle ø.38"	.64	.50	.45	.40
HC12-A-C	H	Adhesive backed clip, .77"x.63"	.35	.31	.25	.20
HC25-A-C	H	Adhesive backed clip, .92"x1.50"	.40	.36	.30	.23
ICH12-S10-M	I	#10 screw clamp, .125", width .50"	.19	.07	.06	.05
ICH19-S10-M	I	#10 screw clamp, .187", width .50"	.19	.07	.06	.05
ICH25-S10-M	I	#10 screw clamp, ø.25", width .50"	.16	.12	.10	.09
ICH31-S10-M	I	#10 screw clamp, .312", width .50"	.21	.08	.07	.06
ICH38-S10-M	I	#10 screw clamp, ø.375", width .50"	.18	.13	.12	.10
ICH44-S10-M	I	#10 screw clamp, .437", width .50"	.21	.09	.08	.07
ICH50-S10-M	I	#10 screw clamp, ø.50", width .50"	.18	.15	.13	.11
ICS12-S8-M	I	#8 screw clamp, ø.125", width .375"	.12	.10	.08	.06
ICS19-S8-M	I	#8 screw clamp, ø.187", width .375"	.17	.07	.06	.05
ICS25-S8-M	I	#8 screw clamp, ø.250", width .375"	.12	.10	.08	.07
ICS31-S8-M	I	#8 screw clamp, ø.312", width .375"	.18	.07	.06	.05
ICS38-S8-C	I	#8 screw clamp, ø.375", width .375"	.13	.11	.09	.07
ICS44-S8-M	I	#8 screw clamp, ø.437", width .375"	.18	.07	.06	.05
ICS50-S8-M	I	#8 screw clamp, ø.500", width .375"	.14	.12	.10	.08
MCC-A-C8	J	Adhesive 1.0"x1.09" Flat cable mount backed	.43	.39	.31	.24
MS25-25-C	K	Wire standoff, max. ø.25" (closed), height .25"	.32	.29	.23	.19
MS25-50-C	K	Wire standoff, max. ø.25" (closed), height .50"	.33	.29	.25	.21
MS50-25-C	K	Wire standoff, max. ø.50" (closed), height .25"	.37	.32	.26	.22
MS50-50-C	K	Wire standoff, max. ø.50" (closed), height .50"	.40	.34	.27	.23
MBP12-C	L	Circuit board post .125 standoff height	.22	.20	.16	.13
MBP25-C	L	Circuit board post .250 standoff height	.22	.20	.16	.13
MBP37-C	L	Circuit board post .375 standoff height	.22	.20	.16	.13
MBP50-C	L	Circuit board post .500 standoff height	.22	.20	.16	.13
MBP75-C	L	Circuit board post .750 standoff height	.24	.19	.17	.15
MBP100-C	L	Circuit board post 1.00 standoff heifht	.27	.20	.18	.16
MBLS25-C	M	Circuit board locking support .250 standoff height	.21	.19	.14	.12
MBLS50-C	M	Circuit board locking support .500 standoff height	.23	.21	.17	.14
MBLS75-C	M	Circuit board locking support .750 standoff height	.26	.20	.17	.15
Cable Mounting Devices						
CCM1-A-C14	N	Adhesive backed, cable width 1.00"	1.22	.95	.08	.07
CCM1.2-A-C14	N	Adhesive backed, cable width 1.20"	1.51	1.18	.09	.08
CCM2-A-C14	N	Adhesive backed, cable width 2.00"	1.35	1.05	.85	.77
CCM3.25-A-L14	N	Adhesive backed, cable width 3.25"	2.48	1.61	1.28	1.19
CCM1-S6-C14	N	Screw mounted, cable width 1.00"	1.16	.91	.70	.63
CCM1.2-S6-C14	N	Screw mounted, cable width 1.20"	1.45	1.14	.92	.86
CCM2-S6-C14	N	Screw mounted, cable width 2.00"	1.50	1.18	.96	.88
CCM3.25-S6-L14	N	Screw mounted, cable width 3.25"	1.79	1.41	1.15	1.03
Wing Clip						
HC3-A-C8	O	Adhesive backed, .75" x .46"	.44	.39	.36	.34
HC5-A-C8	O	Adhesive backed, 1.00" x .53"	.42	.37	.35	.32
HC10-A-L8	O	Adhesive backed, 1.00" x .84"	.59	.52	.50	.45
Type						
PWC19-A-M14	P	Adhesive backed clamp, .85"x.61", max bundle .19"	.26	.23	.22	.20
PWC25-A-C14	P	Adhesive backed clamp, .88"x1.0", max bundle .25"	.63	.50	.40	.36
PWC38-A-C14	P	Adhesive backed clamp, 1.0"x1.0", max bundle .38"	.69	.54	.40	.40
PWC50-A-L14	P	Adhesive backed clamp, 1.26"x1.0", max bundle .50"	1.15	.90	.70	.63
PWC75-A-L14	P	Adhesive backed clamp, 1.48"x1.24", max bundle .75"	2.94	2.30	1.80	1.62
PWC100-A-L14	P	Adhesive backed clamp, 2.21"x1.97", max bundle 1.00"	3.05	2.38	1.90	1.71
Cable Bridge Mount						
PBMQS-A-M	Q	Adhesive backed, 5.16" x .75", Natural, rubber	2.73	2.42	2.31	2.08
PBMQS-A-Q20	Q	Adhesive backed, 5.16" x .75", Black, rubber	4.29	3.81	3.63	3.27
PBMQS-AT-C	Q	Adhesive backed, 5.16" x .75", Natural, acrylic	2.71	2.41	2.31	2.08
PBMQS-AT-C0	Q	Adhesive backed, 5.16" x .75", Black, acrylic	1.08	.96	.92	.83

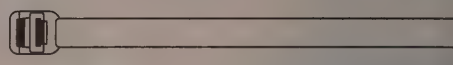


PANDUIT PAN-TY® NYLON CABLE TIES

General Purpose Locking Cable Ties

Features:

- Engineered with quality features designed to increase productivity and reduce your total installed cost
- Low threading force
- No sharp edges
- Finger grip tip
- Bent tip
- Consistent quality assured by tests conducted by military and independent testing labs
- One-piece constructions - up to 250 lbs. minimum loop tensile strength
- Materials and colors to suit the application and environment
- Applicable sizes meet all appropriate Military Specifications and are U.L. Recognized



Nylon 6.6 (Natural)

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	500	1000
Subminiature - Minimum Loop Tensile Strenght: 12 lbs.								
644-PLT.6SM-M	PLT.6SM-M	2.80	0.60	0.098	.06	.05	.04	.03
Miniature - Minimum Loop Tensile Strength: 18 lbs.								
644-PLT.7M-M	PLT.7M-M	3.10	0.68	0.098	.06	.05	.04	.03
644-PLT1M-M	PLT1M-M	3.90	0.87	0.098	.06	.05	.04	.03
644-PLT1.5M-M	PLT1.5M-M	5.60	1.25	0.098	.08	.07	.06	.05
644-PLT2M-M	PLT2M-M	8.00	2.00	0.098	.08	.07	.06	.05
Intermediate - Minimum Loop Tensile Strength: 40 lbs.								
644-PLT1.5I-M	PLT1.5I-M	5.60	1.38	0.142	.07	.06	.05	.04
644-PLT2I-M	PLT2I-M	8.00	2.00	0.142	.08	.07	.06	.04
644-PLT2.5I-M	PLT2.5I-M	9.70	2.50	0.145	.12	.11	.10	.09
644-PLT3I-M	PLT3I-M	11.40	3.00	0.145	.12	.11	.10	.09
644-PLT4I-M	PLT4I-M	14.60	4.00	0.145	.19	.17	.16	.14
Standard - Minimum Loop Tensile Strength: 50 lbs.								
644-PLT1S-M	PLT1S-M	4.80	1.00	0.19	.24	.09	.08	.07
644-PLT1.5S-M	PLT1.5S-M	6.20	1.50	0.190	.19	.07	.06	.05
644-PLT2S-M	PLT2S-M	7.40	1.88	0.19	.19	.12	.10	.06
644-PLT2.5S-M	PLT2.5S-M	9.80	2.50	0.190	.26	.15	.14	.13
644-PLT3S-M	PLT3S-M	11.50	3.00	0.19	.62	.15	.14	.13
644-PLT4S-M	PLT4S-M	14.50	4.00	0.19	.43	.19	.17	.15
Heavy - Minimum Loop Tensile Strength: 120 lbs.								
644-PLT4H-L	PLT4H-L	14.50	4.00	0.3	.60	.47	.42	.38
644-PLT5H-L	PLT5H-L	17.70	5.00	0.350	1.17	.91	.73	.66
644-PLT6H-L	PLT6H-L	20.90	6.00	0.350	1.30	1.02	.81	.73
644-PLT13H-Q	PLT13H-Q	43.30	13.00	0.350	2.76	2.15	1.72	1.55
Light - Heavy - Minimum Loop Tensile Strength: 120 lbs.								
644-PLT6LH-L	PLT6LH-L	21.90	6.00	0.300	.87	.57	.54	.52
644-PLT7LH-L	PLT7LH-L	24.70	7.00	0.300	1.45	1.13	.91	.82
644-PLT8LH-L	PLT8LH-L	27.60	8.00	0.300	1.46	1.06	.91	.87
644-PLT9LH-L	PLT9LH-L	30.50	9.00	0.300	1.56	1.22	.97	.87
644-PLT10LH-L	PLT10LH-L	34.30	10.00	0.300	2.15	1.67	1.34	1.21

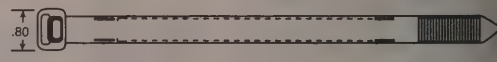
Weather Resistant Nylon 6.6 (Black)

For quantities of 5000 and up, call for

MOUSER STOCK NO.	Panduit Part No.	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	500
Subminiature - Minimum Loop Tensile Strength: 12 lbs.							
644-PLT.6SM-M0	PLT.6SM-M0	2.80	0.60	0.098	.07	.06	.05
Miniature - Minimum Loop Tensile Strength: 18 lbs.							
644-PLT.7M-M0	PLT.7M-M0	3.10	0.68	0.098	.06	.05	.04
644-PLT1M-M0	PLT1M-M0	3.90	0.87	0.098	.08	.07	.06
644-PLT1.5M-M0	PLT1.5M-M0	5.60	1.25	0.098	.09	.08	.07
644-PLT2M-M0	PLT2M-M0	8.00	2.00	0.098	.09	.08	.07
Intermediate - Minimum Loop Tensile Strength: 40 lbs.							
644-PLT1.5I-M0	PLT1.5I-M0	5.60	1.38	0.142	.09	.08	.07
644-PLT2I-M0	PLT2I-M0	8.00	2.00	0.142	.10	.09	.08
644-PLT2.5I-M0	PLT2.5I-M0	9.70	2.50	0.145	.12	.11	.10
644-PLT3I-M0	PLT3I-M0	11.40	3.00	0.145	.39	.30	.25
644-PLT4I-M0	PLT4I-M0	14.60	4.00	0.145	.26	.23	.22
Standard - Minimum Loop Tensile Strength: 50 lbs.							
644-PLT1S-M0	PLT1S-M0	4.80	1.00	0.190	.27	.10	.09
644-PLT1.5S-M0	PLT1.5S-M0	6.20	1.50	0.190	.19	.07	.06
644-PLT2S-M0	PLT2S-M0	7.40	1.88	0.190	.19	.15	.10
644-PLT2.5S-M0	PLT2.5S-M0	9.80	2.50	0.190	.29	.15	.14
644-PLT3S-M0	PLT3S-M0	11.50	3.00	0.190	.43	.22	.19
644-PLT4S-M0	PLT4S-M0	14.50	4.00	0.190	.46	.24	.21
Heavy - Minimum Loop Tensile Strength: 120 lbs.							
644-PLT4H-L0	PLT4H-L0	14.50	4.00	0.300	.65	.51	.46
644-PLT5H-L0	PLT5H-L0	17.70	5.00	0.350	1.54	1.20	.96
644-PLT6H-L0	PLT6H-L0	20.90	6.00	0.350	1.71	1.34	1.07
644-PLT13H-Q0	PLT13H-Q0	43.30	13.00	0.350	3.43	2.65	2.14
Light - Heavy - Minimum Loop Tensile Strength: 120 lbs.							
644-PLT6LH-L0	PLT6LH-L0	21.90	6.00	0.300	1.24	.96	.78
644-PLT7LH-L0	PLT7LH-L0	24.70	7.00	0.300	1.45	1.13	.91
644-PLT8LH-L0	PLT8LH-L0	27.60	8.00	0.300	1.76	1.28	1.09
644-PLT9LH-L0	PLT9LH-L0	30.50	9.00	0.300	1.76	1.38	1.10

Releaseable Locking Cable Ties

The extended tab end of releasable cable ties permits easy release and reuse even after tie has been pulled up snug by hand. Releasable ties are particularly useful in harnessing where changes are anticipated during development, production or servicing in the field.



Features:

- Tensile Strength: 50lbs.

Nylon 6.6 (Natural)

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	500	1000
644-PRT2S-M	PRT2S-M	7.40	1.88	0.19	.34	.11	.10	.09
644-PRT3S-M	PRT3S-M	11.50	3.00	0.19	.62	.28	.25	.23
644-PRT4S-M	PRT4S-M	14.50	4.00	0.19	.72	.32	.29	.26

Weather Resistant Nylon 6.6 (Black)

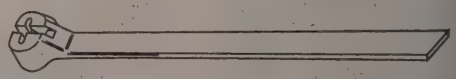
For quantities of 5000 and up, call for

MOUSER STOCK NO.	Panduit Part No.	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	500
644-PRT2S-M0	PRT2S-M0	7.40	1.88	0.19	.41	.15	.13
644-PRT3S-M0	PRT3S-M0	11.50	3.00	0.19	.70	.32	.29
644-PRT4S-M0	PRT4S-M0	14.50	4.00	0.19	.80	.35	.32

PANDUIT DOME-TOP BARB TY CABLE TIES

Features:

- Stainless steel barb provides consistent performance and reliability
- Low threading force
- Tensile strength exceeds Aerospace Standard SAE (AS23190) standards



Nylon 6.6 (Natural)

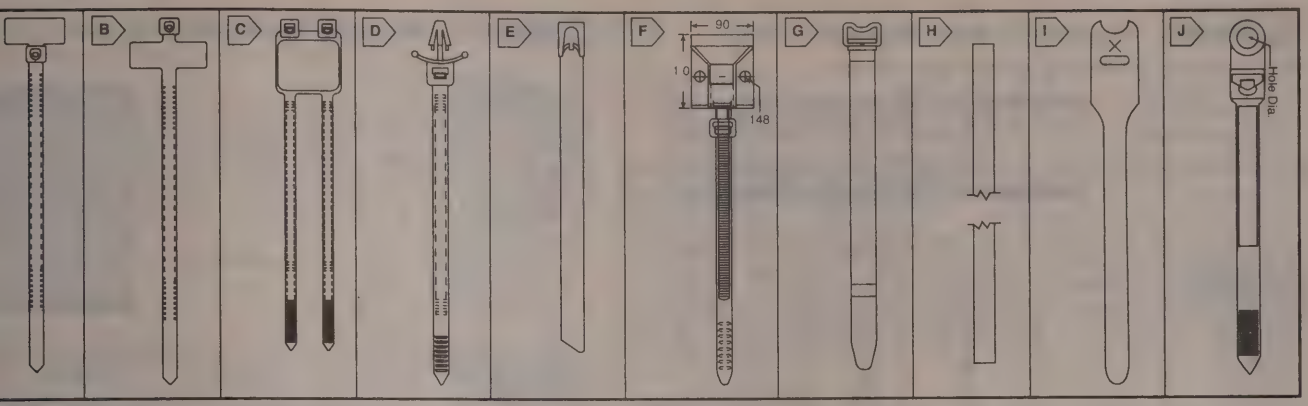
For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	500	1000
Miniature - Minimum Loop Tensile Strength: 18 lbs.								
644-BT1M-M	BT1M-M	4.00	0.90	0.095	.06	.05	.04	.03
644-BT1.5M-M	BT1.5M-M	6.10	1.50	0.095	.07	.06	.05	.05
644-BT2M-M	BT2M-M	8.00	2.00	0.095	.08	.07	.06	.05
644-BT4M-M	BT4M-M	14.00	4.00	0.095	.31	.12	.11	.09
Intermediate - Minimum Loop Tensile Strength: 40 lbs.								
644-BT1.5I-M	BT1.5I-M	6.10	1.50	0.141	.08	.07	.06	.05
644-BT2I-M	BT2I-M	8.00	2.00	0.141	.09	.08	.07	.06
644-BT3I-M	BT3I-M	11.10	3.00	0.141	.13	.12	.11	.10
644-BT4I-M	BT4I-M	14.30	4.00	0.141	.18	.17	.16	.15
Standard - Minimum Loop Tensile Strength: 50 lbs.								
644-BT2S-M	BT2S-M	8.00	2.00	0.185	.09	.08	.07	.06
644-BT3S-M	BT3S-M	11.20	3.00	0.185	.20	.18	.16	.14
644-BT4S-M	BT4S-M	14.40	4.00	0.185	.21	.18	.16	.14
Light-Heavy - Minimum Loop Tensile Strength: 120 lbs.								
644-BT5LH-C	BT5LH-C	18.100	5.000	0.275	.46	.42	.37	.33
644-BT6LH-C	BT6LH-C	21.200	6.000	0.275	.57	.52	.46	.43
644-BT7LH-L	BT7LH-L	24.400	7.000	0.275	1.28	1.15	1.03	.97
644-BT8LH-L	BT8LH-L	27.500	8.000	0.275	1.44	1.27	1.14	1.08
644-BT9LH-L	BT9LH-L	30.700	9.000	0.275	1.47	1.33	1.18	1.10

Weather Resistant Nylon 6.6 (Black)

For quantities of 5000 and up, call for

MOUSER STOCK NO.	Panduit Part No.	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	500
Miniature - Minimum Loop Tensile Strength: 18 lbs.							
644-BT1M-M0	BT1M-M0	4.00	0.90	0.095	.18	.07	.06
644-BT1.5M-M0	BT1.5M-M0	6.10	1.50	0.095	.10	.09	.08
644-BT2M-M0	BT2M-M0	8.00	2.00	0.095	.10	.09	.08
644-BT4M-M0	BT4M-M0	14.00	4.00	0.095	.40	.15	.13
Intermediate - Minimum Loop Tensile Strength: 40 lbs.							
644-BT1.5I-M0	BT1.5I-M0	6.10	1.50	0.141	.24	.09	.08
644-BT2I-M0	BT2I-M0	8.00	2.00	0.141	.31	.12	.11
644-BT3I-M0	BT3I-M0	11.10	3.00	0.141	.16	.15	.14
644-BT4I-M0	BT4I-M0	14.30	4.00	0.141	.31	.26	.21
Standard - Minimum Loop Tensile Strength: 50 lbs.							
644-BT2S-M0	BT2S-M0	8.00	2.00	0.185	.26	.10	.09
644-BT3S-M0	BT3S-M0	11.20	3.00	0.185	.21	.19	.17
644-BT4S-M0	BT4S-M0	14.40	4.00	0.185	.79	.30	.27
Light-Heavy - Minimum Loop Tensile Strength: 120 lbs.							
644-BT5LH-C0	BT5LH-C0	18.10	5.00	0.275	.62	.56	.50
644-BT6LH-C0	BT6LH-C0	21.20	6.00	0.275	.75	.68	.60
644-BT7LH-L0	BT7LH-L0	24.40	7.00	0.275	1.29	1.16	1.03
644-BT8LH-L0	BT8LH-L0	27.50	8.00	0.275	1.66	1.48	1.32
644-BT9LH-L0	BT9LH-L0	30.70	9.00	0.275	1.65	1.47	1.31



NYLON 6.6 MARKER TIES

Nylon

OUSER CK NO.	Fig.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	500	1000
6.6 (Natural)									
_F1M-M	A	18	4.3	0.87	0.098	.27	.12	.11	.10
_M1M-M	B	18	3.9	0.75	0.098	.31	.12	.11	.10
_M2M-M	B	18	8	2	0.098	.40	.23	.19	.17
_M2S-D	B	18	7.4	1.75	0.098	.56	.21	.20	.19
_2M2S-D	C	50	7.4	1.75	0.185	.87	.77	.73	.66
er Resistant Nylon 6.6 (Black)									
_F1M-M0	A	18	4.3	0.87	0.098	.35	.21	.16	.14
_M2M-M0	B	18	8	2	0.098	.42	.21	.19	.18
_M2S-D0	B	18	7.4	1.75	0.098	.73	.28	.26	.24
6.6 Winged Push Mount Ties									
_WP1M-C	D	18	4.3	.87	.098	.32	.25	.20	.18
_WP1.5I-C	D	40	6.0	1.25	.135	.36	.28	.23	.21
_WP1S-C	D	50	5.2	1.00	.190	.39	.30	.24	.22
_WP2S-C	D	50	7.8	1.75	.190	.44	.34	.28	.25
_WP3H-TL	D	120	12.0	3.00	.300	.71	.63	.59	.53

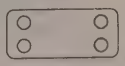
PAN-STEEL™ STAINLESS STEEL TIE SYSTEM

_LT1S-CP	E	100	5.00	1.00	0.18	.99	.89	.79	.69
_LT2S-CP	E	100	7.90	2.00	0.18	1.06	.95	.85	.75
_LT4H-LP	E	100	14.30	4.00	0.18	1.50	1.38	1.20	1.12
_LT4S-CP	E	100	14.20	4.00	0.18	1.25	1.12	1.00	.87
_LT6H-LP	E	100	20.50	6.00	0.18	2.23	2.01	1.79	1.67
_LT6S-CP	E	100	20.40	6.00	0.18	1.86	1.69	1.50	1.41
_LT2H-LP	E	250	7.90	2.00	0.31	1.28	1.15	1.02	.95

STAINLESS STEEL MARKER PLATE

For quantities of 5000 and up, call for quote.

OUSER CK NO.	Size (W x L)	Description	Price Each 1	100	500	1000
_MP350-C	.75" x 3.50"	304 stainless steel	.81	.73	.64	.57



ADHESIVE MOUNT/CABLE TIE

e mount and cable tie molded as one piece helps reduce inventory costs.

OUSER CK NO.	Fig.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	500	1000
_LA2S-A-Q	F	50	7.30	1.85	.19	1.45	1.29	1.05	.99

TAK-TY® HOOK AND LOOP CABLE TIES

• Black

MOUSER STOCK NO.	Fig.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	10	100	500
644-HLS1.5S-X0	H	50	6.0"	1.5"	0.75"	.95	.74	.65	.60
644-HLSP1.5S-X0	H	50	6.0	1.5	.75	1.36	1.06	.85	.77
644-HLT2I-X0	I	40	8.0"	1.9"	0.50"	1.11	1.00	.80	.68
644-HLTP2I-X0	I	40	8.0	1.9	.50	1.57	1.23	.98	.88
644-HLC3S-X0	G	50	12.0"	3.0"	0.75"	1.54	1.20	1.10	.99
644-HLTP3I-X0	I	50	12.0	3.0	.75	2.04	1.59	1.28	1.15
644-HLS3S-X0	H	50	12.0"	3.2"	0.75"	1.61	1.52	1.26	.96
644-HLSP3S-X0	H	50	12.0	3.2	0.75	2.74	2.14	1.72	1.55
644-HLT3I-X0	I	40	12.0"	3.2"	0.50"	1.45	1.38	1.02	.87
644-HLC5S-X0	G	50	18.0"	5.0"	0.75"	2.04	1.86	1.54	1.22
644-HLS5S-X0	H	50	18.0"	5.0"	0.75"	2.36	2.24	1.65	1.41
644-HLSP5S-X0	H	50	18.0	5.0	.75	3.43	2.68	2.14	1.93
644-HLM-15R0	H	18	180.0	Various	.33	12.77	11.59	10.74	9.67
644-HLS-15R0	H	50	180.0"	Various	0.75"	20.46	18.41	16.37	15.35

NYLON 6.6 CLAMP TIES

Clamps are used to attach a bundle to another surface such as a control panel, wall or ceiling using another fastner. The design allows for bundling before or after screwing clamp in place.

Nylon 6.6 (Natural)

MOUSER STOCK NO.	Fig.	Tensile Strength (Lbs.)	Hole Dia.	Length (In.)	Max. Bundle Dia. (In.)	Screw Size	Price Each 1	100	500	1000
Miniature										
644-PLC1M-S4-M	J	18	0.118	4.3	0.75	#4	.29	.14	.13	.12
Intermediate										
644-PLC-1.5I-S8-M	J	40	0.172	6.1	1.25	#8	.29	.14	.13	.12
Standard										
644-PLC2S-S10-M	J	50	0.206	7.9	1.84	#10	.30	.14	.12	.11
644-PLC3S-S10-M	J	50	0.206	12	3	#10	.50	.35	.27	.22
644-PLC4S-S10-M	J	50	0.206	15	4	#10	.67	.47	.36	.27

Weather Resistant Nylon 6.6 (Black)

MOUSER STOCK NO.	Fig.	Tensile Strength (Lbs.)	Hole Dia.	Length (In.)	Max. Bundle Dia. (In.)	Screw Size	Price Each 1	100	500	1000
Intermediate										
644-PLC1.5I-S8-M0	J	40	0.172	6.1	1.25	#8	.89	.33	.30	.26
Standard										
644-PLC2S-S6-M0	J	50	0.206	7.9	1.84	#6	.38	.31	.28	.26
644-PLC2S-S10-M0	J	50	0.206	7.9	1.84	#10	.38	.31	.28	.26

CABLE TIE INSTALLATION TOOLS

referred tool design in the industry. • Lightweight and balanced • Requires no special maintenance. • Rugged all-steel construction • Easy to operate.

s standard, light heavy and cross section cable ties. s superflex cable ties. per Mil. std. MS90387-2 and oc. Mil-T-81306A.

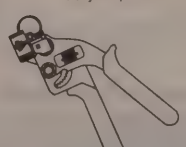
S4H	343.82

STS2
- Installer controlled tension and cut-off.
- Perfect size for pocket or tool box
- Especially suited to maintenance and construction applications
- Installs miniature, intermediate and standard ties.

644-STS2	28.06

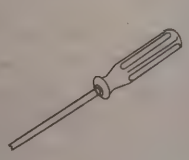
ST2MT
- Used with all Pan-Steel™ type MLT
- Single handle trigger for fast installation.
- Cut off capability with the twist of the wrist

644-ST2MT	319.49



ally adapted screwdriver type used to tension standard eavy cross section ties safely. with all Pan-Steel™ type MLT ype MLTC coated ties and MLPT plenum ties. al tension, no cut-off

TMT	23.17



GTS
- Installs miniature, intermediate and standard cross section cable ties.
- Manual tool/lightweight 8.8 oz.
- Meets Mil. std. MS90387-1

644-GTS	168.53

GTH
- Installs Standard, Heavy-Standard, Light-Heavy and Heavy cross section cable ties.
- Manual tool/ lightweight 11.2 oz

644-GTH	320.24

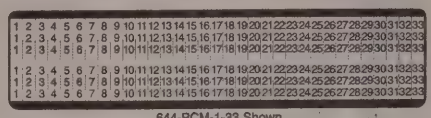
GS2B
- Tool controlled tension and cut-off.
- Automatic tension and cut-off by squeezing trigger
- Reduces fatigue and increases productivity.
- Especially suited to medium production applications.
- Q.P.L. per Mil. Std. MS90387-1
- Installs miniature, intermediate and standard ties

644-GS2B	216.43

PAN-CODE™ WIRE MARKER CARDS

All markers are mounted on a flexible release coated plastic for easy marker removal.

- 1-1/2" long for wire O.D. up to 3/8"
- One card for each number
- Vinyl cloth
- Temperature: -50° to +170°F, indoor



644-PCM-1-33 Shown

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Legend	Markers Per Card	Price Each 1	25	100	500
644-PCM-0	0	36	2.03	1.53	1.39	1.23
644-PCM-1	1	36	2.03	1.53	1.39	1.23
644-PCM-2	2	36	2.03	1.53	1.39	1.23
644-PCM-3	3	36	2.03	1.53	1.39	1.23
644-PCM-4	4	36	2.03	1.53	1.39	1.23
644-PCM-5	5	36	2.03	1.53	1.39	1.23
644-PCM-6	6	36	2.03	1.53	1.39	1.23
644-PCM-7	7	36	2.03	1.53	1.39	1.23
644-PCM-8	8	36	2.03	1.53	1.39	1.23
644-PCM-9	9	36	2.03	1.53	1.39	1.23
644-PCM-25	25	36	1.44	1.16	1.03	.93
644-PCM-49	49	36	1.44	1.16	1.03	.93
644-PCM-99	99	36	1.44	1.16	1.03	.93
644-PCM-1-33	1 thru 33	33	2.03	1.53	1.39	1.23
644-PCM-34-66	34 thru 663	33	2.03	1.53	1.39	1.23
644-PCMCP-1-25	1 thru 25	36	39.08	35.09	31.11	28.57

PAN-CODE™ WIRE MARKER BOOKS

- Material: Vinyl cloth
- 1-3/8" long for wire O.D. up to 3/8"
- Each marker is perfored to form half markers for wire O.D. up to 3/16"
- .22 x .25 long terminal block marker is provided for each full length marker
- 10 pages per book
- Legend: Black
- Background: White

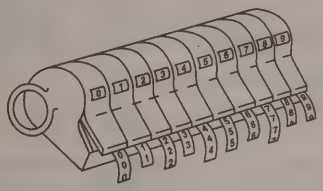
644-PCMB-2 Shown

For quantities of 200 and up, call for

MOUSER STOCK NO.	Legend	Markers Per Card	Price Each 1	10	50
644-PCMB-1	0 thru 9	45	18.46	17.08	14.69
644-PCMB-2	A-Z, 0-15, +, -, /	10	18.46	17.08	14.69
644-PCMB-3	1 thru 45	10	18.46	17.08	14.69
644-PCMB-4	1, 2, 3	150	18.46	17.08	14.69
644-PCMB-5	A,B,C	150	18.46	17.08	14.69
644-PCMB-8	1 thru 15 16 thru 90 A-Z, +,-,/,0	6 4 2	18.46	17.08	14.69
644-PCMB-9	1-3, A-C, L1-L3, T1-T3	45 30	18.46	17.08	14.69

TAPE WIRE MARKERS

NEMA Colors Consist of: Black, LT. Blue, Brown, Gray, LT. Green, Orange, Purple, Red, White, Yellow



Dispenser and Tape

MOUSER STOCK NO.	Panduit Part No.	Description	Price Each 1	10	25
644-PMD	PMD	Empty Dispenser	13.71	12.36	11.09
644-PMD-0-9	PMD-0-9	0-9 in dispenser 8" Black	33.80	30.49	27.34
644-PMD-NEMA	PMD-NEMA	One roll of each color filled in dispenser	34.82	31.41	28.17

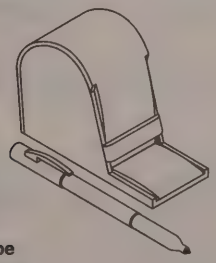
8FT. Length Refill Tape

Used with PMD Dispenser (644-PMD)

For quantities of 500 and up, call for

MOUSER STOCK NO.	Panduit Part No.	Legend	Price Each 1	25
644-PMDR-0	PMDR-0	0	2.20	1.99
644-PMDR-1	PMDR-1	1	2.20	1.99
644-PMDR-2	PMDR-2	2	2.20	1.99
644-PMDR-3	PMDR-3	3	2.20	1.99
644-PMDR-4	PMDR-4	4	2.20	1.99
644-PMDR-5	PMDR-5	5	2.20	1.99
644-PMDR-6	PMDR-6	6	2.20	1.99
644-PMDR-7	PMDR-7	7	2.20	1.99
644-PMDR-8	PMDR-8	8	2.20	1.99
644-PMDR-9	PMDR-9	9	2.20	1.99
644-PMDR-0-9	PMDR-0-9	0-9	22.62	20.41
644-PMDR-BLK	PMDR-BLK	Black	2.20	1.99
644-PMDR-BL	PMDR-BL	Blue	2.20	1.99
644-PMDR-BRN	PMDR-BRN	Brown	2.20	1.99
644-PMDR-GRY	PMDR-GRY	Gray	2.20	1.99
644-PMDR-GRN	PMDR-GRN	Green	2.20	1.99
644-PMDR-ORN	PMDR-ORN	Orange	2.20	1.99
644-PMDR-PUR	PMDR-PUR	Purple	2.20	1.99
644-PMDR-RED	PMDR-RED	Red	2.20	1.99
644-PMDR-WHT	PMDR-WHT	White	2.20	1.99
644-PMDR-YEL	PMDR-YEL	Yellow	2.20	1.99
644-PMDR-NEMA	PMDR-NEMA	One of ea. Color	22.62	20.41

DISPENSER KIT AND TAPE



Dispenser, PFX-0 Pen, Tape

MOUSER STOCK NO.	Panduit Part No.	Description	Price Each 1	10	25
644-PLD-1	PLD-1	1.0" X 1.5" Vinyl	29.83	26.75	23.68
644-PLD-2	PLD-2	1.0" X 3.0" Vinyl	26.07	23.38	20.69

Self-Laminated Blank Tape Refill

MOUSER STOCK NO.	Panduit Part No.	Description	Price Each 1	10	25
644-PLDR-1	PLDR-1	1.0" X 1.5" 200/Roll	18.24	16.27	14.49
644-PLDR-2	PLDR-2	1.0" x 3.0" 100/Roll	18.24	16.27	14.49

THERMAL TRANSFER LABELS

Polyester Thermal Transfer Labels

Features:

- Durable
- Does not stretch easily or tear
- High Temperature
- Polyester White

Suggested Uses: Circuit Board Labeling, Rating Plans, Bar Code Labels

For quantities of 50 and up, call for

MOUSER STOCK NO.	Panduit Part No.	Description	Qty. Per Pkg.	Price Each 1	5
644-TTC5Y-10	TTC5Y-10	0.75" X 0.25"	10,000	51.40	46.36
644-TTC6Y-10	TTC6Y-10	0.90" X 0.25"	10,000	72.93	65.78
644-TTC8Y-10	TTC8Y-10	1.00" X 0.50"	10,000	118.20	106.61
644-TTC19Y-2.5	TTC19Y-2.5	2.00" X 0.50"	2,500	63.00	60.32
644-TTC38Y-1	TTC38Y-1	4.00" X 4.00"	1,000	263.22	237.42

Polyimide Thermal Transfer Labels

Panduit Polyimide Thermal Transfer labels are specifically designed for circuit board manufacturing w there will be contact with direct wave solder and IR reflow.

Features:

- Technically engineered to withstand "flash" temperatures as high as 617°F for up to five minutes and temperatures up to 482°F for 30 minutes.
- UL approved for thermal transfer printers

*To be used on flat surfaces only

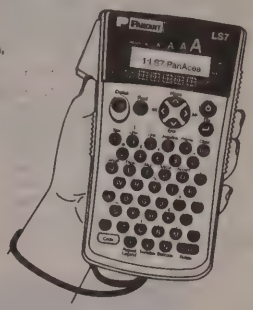
For quantities of 50 and up, call for

MOUSER STOCK NO.	Panduit Part No.	Color	Description	Price Per 10,000 F 1	5
644-TTC1K-10	TTC1K-10	Tan	0.25" X 0.25"	352.72	318.10
644-TTC1KW-10	TTC1KW-10	White	0.25" X 0.25"	352.72	318.10
644-TTC2K-10	TTC2K-10	Tan	0.38" X 0.38"	311.70	281.20
644-TTC2KW-10	TTC2KW-10	White	0.38" X 0.38"	311.70	281.20
644-TTC3K-10	TTC3K-10	Tan	0.50 X 0.44"	583.60	526.40
644-TTC3KW-10	TTC3KW-10	White	0.50 X 0.44"	583.60	526.40

DUIT LS7 THERMAL TRANSFER PRINTER AND CASSETTES

7 Thermal Transfer printer is the solution for your network labeling

s and Benefits: Fast loading cassettes and simple operation, assette includes both label material and ribbon. High quality hat stay where you put them and won't smear. Automatic font dvanced programming allows you to specify legend spacing. aterial developed for use on textured and curved surfaces. ed alpha and numeric serialization. Store up to 10 label files. and horizontal lines. Symbol library.



Applications for LS7-25:
- 110 punchdown blocks,
- Patch panels

Applications for LS7-38:
- Faceplates
- Junction boxes
- Patch panels

Applications for LS7-50:
- Pathways
- Racks
- Spaces

Laminated Adhesive Label Cassettes

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Color	Width In. (mm)	Length In. (mm)	Price Each 1	5	10
644-LS7-25-1	LS7-25-1	Black/White	1/4 (6)	26.2 (8)	20.61	18.97	18.43
644-LS7-25-2	LS7-25-2	Black/Clear	1/4 (6)	26.2 (8)	20.61	18.97	18.43
644-LS7-38-1	LS7-38-1	Black/White	3/8 (9)	26.2 (8)	22.57	20.78	20.18
644-LS7-38-2	LS7-38-2	Black/Clear	3/8 (9)	26.2 (8)	22.57	20.78	20.18
644-LS7-50-1	LS7-50-1	Black/White	1/2 (12)	26.2 (8)	22.57	20.78	20.18
644-LS7-50-2	LS7-50-2	Black/Clear	1/2 (12)	26.2 (8)	22.57	20.78	20.18

er and Accessories

MOUSER TOCK NO.	Panduit Part No.	Description	Price Each
LS7	LS7	Printer Kit: Includes printer, 3/4" non-laminated black/white cassette, hardside carrying case, wrist strap, 6 AA alkaline batteries, label separator tool, and operator's manual	204.06
LS7-ACS	LS7-ACS	120 VAC Adapter	45.60
LS7-CLN	LS7-CLN	Cleaning Cassette	30.40

Applications for LS7-75:
- Cablesracks
- Pathways
- Racks
- Spaces

Non-Laminated Adhesive Label Cassettes

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Color	Width In. (mm)	Length In. (mm)	Price Each 1	5	10
644-LS7-75NL-1	LS7-75NL-1	Black/White	3/4 (18)	26.2 (8)	25.52	23.49	22.82
644-LS7-75NL-2	LS7-75NL-2	Black/Clear	3/4 (18)	26.2 (8)	25.52	23.49	22.82

DUIT PAN-QUICK LS3E HAND-HELD DOT MATRIX PRINTER AND ACCESSORIES

eight, versatile printer for high labels that you can print e, anywhere. Flexibility to print minating cable labels, heat shrink and network system component fastner than other hand-held dot printers. Features the Quick-Key abel Formatting System for d setup time. 20K file memory e saves time when producing ntly used labels. Automatic recall legend entered. Rotated legends printing of continuous strips for g patch panels, terminal blocks

Self-laminating Vinyl Labels

For use with the Pan-Quick LS3E Hand-held Dot Matrix Printer

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Color	Width In. (mm)	Length In. (mm)	Price Each 1	5	10
644-S050X075	S050X075VA3	White 250/roll	1/2 (12.70)	3/4 (19.05)	15.99	14.92	14.39
644-S050X125	S050X125VA3	White 250/roll	1/2 (12.70)	1 1/4 (31.75)	18.54	17.30	16.69
644-S050X150	S050X150VA3	White 250/roll	1/2 (12.70)	1 1/2 (38.10)	19.70	18.38	17.73
644-S100X075	S100X075VA3	White 250/roll	1 (25.40)	3/4 (19.05)	22.18	20.70	19.96
644-S100X125	S100X125VA3	White 250/roll	1 (25.40)	1 1/4 (31.75)	24.72	23.07	22.25
644-S100X150	S100X150VA3	White 250/roll	1 (25.40)	1 1/2 (38.10)	26.66	24.88	23.99
644-S100X225	S100X225VA3	White 150/roll	1 (25.40)	2.25 (57.15)	18.15	16.94	16.34

ter and Accessories

MOUSER TOCK NO.	Panduit Part No.	Description	Price Each
LS3E	LS3E	Includes printer, battery pack, battery charger, printer ribbon, wrist strap and operator's manual	521.66
LS3E-KIT	LS3E-KIT	Includes printer, battery pack, battery charger, printer ribbon, wrist strap and operator's manual plus LS3EAK-S AC adapter and carrying case	649.66
LS3-RIB	LS3-RIB	Replacement ribbon	21.10
LS3E-BP	LS3E-BP	Replacement battery pack	129.15

Heat Shrink Labels

For use with the Pan-Quick LS3E Hand-held Dot Matrix Printer

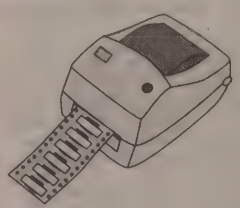
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Color	Width In. (mm)	Length In. (mm)	Price Each 1	5	10
644-H050X025	H050X025F13	White 200/roll	.50 (12.70)	.25 (6.35)	33.47	31.23	30.12
644-H100X025	H100X025F13	White 100/roll	1 (25.40)	.25 (6.35)	35.74	33.35	32.15
644-H100X034	H100X034F13	White 100/roll	1 (25.40)	.34 (8.64)	41.27	38.51	37.14
644-H100X044	H100X044F13	White 100/roll	1 (25.40)	.44 (11.18)	47.37	44.21	42.63
644-H100X084	H100X084F13	White 100/roll	1 (25.40)	.50 (21.34)	80.33	74.97	72.29

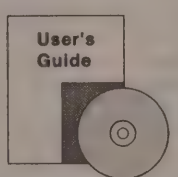
NDUIT TDP43M THERMAL TRANSFER PRINTER

DP43M printer thermal desktop printer enables printing of component labels, safety & facility markers and self-laminating, heat shrink and vinyl cloth wire/cable markers. The 300 dots per inch print resolution of the TDP43M ensures uality, crisp, clear printing of labels that are both professional and robust. Flexibility and speed make the TDP43M a useful tool for your current and future identification requirements. Using Panduit Easy-Mark labeling software and DP43M thermal transfer printer is the economic way to solve your on-demand labeling needs

allel, USB and serial port connections
able of printing barcodes and graphics
" maximum print width
labels up to 22" long with characters up to 3.5" high
o 2" per second print speed
ng loaded mandrel
allic tear bar
y ribbon loading
mpact design



- WYSIWYG (What You See Is What You Get) user interface
- Quick text entry
- Alpha and numeric serialization
- Label flexibility
- Custom label formats
- Font sizes ranging from 2 pt. to 300 pt.



P43M Thermal Transfer Printer

MOUSER STOCK NO.	Panduit Part No.	Description	Price Each
-TDP43M	TDP43M	TDP43M Thermal Transfer Printer	1480.47

Easy-Mark Labeling Software

MOUSER STOCK NO.	Panduit Part No.	Description	Price Each
644-PROG-EMCD	PROG-EMCD	Easy-Mark CD with online help and user's guide	162.37

alpha FIT FABRIC

Heat Shrinkable Woven Fabric Tubing

Specifications:

- Operating temperature: -40°C to +125°C
- Shrink ratio: Approx. 2 to 1 or 3 to 1 at 135°C depending on size
- Color: black
- Meets MVSS 302 horizontal burn test
- Cuts with scissors

* 2 to 1 shrink ratio
† 3 to 1 shrink ratio

For quantities of 5 and up, call fo

Expanded ID Min (In.)		SMALL REEL Reel Lth. (Ft.)	SMALL REEL MOUSER STOCK NO.	SMALL REEL Price Per Reel	LARGE REEL Reel Lth. (Ft.)	LARGE REEL MOUSER STOCK NO.	P Pe
*	.47	50	602-FITFAB-1	91.40	200	602-FITFAB-1-200	26
*	.79	50	602-FITFAB-2	115.40	200	602-FITFAB-2-200	31
*	1.18	50	602-FITFAB-3	141.47	200	602-FITFAB-3-200	40
*	1.57	50	602-FITFAB-4	170.44	200	602-FITFAB-4-200	48
*	1.97	25	602-FITFAB-5	104.65	100	602-FITFAB-5-100	29
*	2.36	25	602-FITFAB-6	113.84	100	602-FITFAB-6-100	32
*	2.76	25	602-FITFAB-7	154.89	100	602-FITFAB-7-100	44
†	.71	50	602-FITFAB-8	136.38	200	602-FITFAB-8-200	43
†	1.18	50	602-FITFAB-9	163.20	200	602-FITFAB-9-200	46
†	2.36	25	602-FITFAB-10	120.66	100	602-FITFAB-10-100	34

alpha ZIP-GRP EXPANDABLE POLYESTER WEBBED SLEEVING

With its velcro-type enclosure, wires, cable assemblies and wire harnesses are always accessible and can be easily opened for any number of breakouts.

To prevent fraying of ends, ZIP-GRP should be cut/sealed with a a hot knife.

Features:

- Unlimited Breakouts
- Abrasion, Cut-Through Resistance
- Oil and Solvent Resistance
- Superb Flexibility and High Tensile Strength

Specifications:

- Operating Temperature: -70°C to 125°C
- Color: Black

Size	Rec. I.D. (In.)	Exp. I.D. Min. (In.)	25 Ft. Spool MOUSER STOCK NO.	25 Ft. Spool Price Per Reel	50 Ft. Spool MOUSER STOCK NO.	50 Ft. Spool Price Re
7/8	.750	1.000	602-ZGRP7/8-25B	151.05	602-ZGRP7/8-50B	248
1 1/2	1.000	2.000	602-ZGRP11/2-25B	163.97	602-ZGRP11/2-50B	281
2	1.500	2.125	602-ZGRP2-25B	183.27	602-ZGRP2-50B	340

alpha GRP-120 EXPANDABLE BRAIDED POLYESTER SLEEVING

Specifications:

- Operating temperature: -70°C to +125°C
- GRP-120/ GRP 120NF passes UL VW-1 flame test
- Color: Black

GRP-120 should be cut/sealed with a hot knife to prevent fraying of the ends. GRP-120NF cuts with ordinary scissors without fraying. Does not require a hot knife when cutting.

Typical application for protection of wire, cable, and hoses. Cable not included.

Size	Rec I.D. (In.)	Exp I.D. Min (In.)	By the Spool MOUSER STOCK NO.	By the Spool Spool Lth (Ft.)
GRP-120 Expandable Braided Polyester Sleeving				
1/8	.093	.250	602-120018-100B	100
1/4	.125	.437	602-120014-100B	100
1/2	.250	.750	602-120012-100B	100
3/4	.500	1.250	602-120034-100B	100
1 1/4	.750	1.750	602-120114-50B	50
GRP-120NF Non-Fraying Expandable Braid Sleeving				
1/8	.093	.250	602-120018NF-100B	100
1/4	.125	.440	602-120014NF-100B	100
1/2	.250	.750	602-120012NF-100B	100
3/4	.500	1.250	602-120034NF-100B	100
1 1/4	.750	1.750	602-120114NF-50B	50

alpha TUBULAR BRAID

Each strand soft drawn tinned plated copper braid wire meets Federal Specifications. QQ-W-343D types and ASTM-B-33. Shield coverage: 95%+ when placed over mandrel of equivalent diameter to that of braid interior.

Nominal Round Width (In.)	Braid Construction: AWG of Indiv. Ends	Braid Construction: Carrier	Braid Construction: Total No. of Indiv. Ends	Approx AWG Equiv.	Nominal Circular Mil Area CM	Current Carrying Capacity (Amps)	Per 100' Reel MOUSER STOCK NO.	Price Per 100' Reel 1	5	10
1/16	36	24	48	19	1200	11	602-2162-100	37.13	33.42	30.08
1/8	36	24	120	15	3000	25	602-2166-100	46.55	41.90	37.71
11/64	36	24	168	14	4200	32	602-2168-100	60.25	54.22	48.80
1/4	36	24	384	10	9600	53	602-2171-100	98.37	88.91	79.84
3/8	36	48	384	10	9600	53	602-2172-100	106.55	95.70	86.14
1/2	36	48	528	9	13200	62	602-2174-100	172.64	155.38	139.84
21/32	30	48	768	1	77180	190	602-2175/1-100	415.38	373.84	336.46
25/32	36	48	864	7	21600	88	602-2176-100	235.70	212.13	190.92

alpha TINNED COPPER FLAT BRAID

Woven tinned copper braid rolled to specific width. Each strand meets requirements of fed. Spec. QQ-W-343E type S & ASTM-B-33. Current carrying capacity shown is for bare cable in free air at 30°C & intended as a reference guide only. Actual values will depend on permissible temperature rise, voltage drop, & other conditions of use.

Features:

- High current carrying ability
- High flexibility
- Meets QQ-W-343E
- Suitable for bonding and grounding applications

Nom Flat Width (In.)	AWG Equiv.	Nom. Thick (In.)	No. of Strands	Current Amps	By the 100' Reel MOUSER STOCK NO.	Price Per Reel 1	5	10
1/8	18	.020	72	16	602-1229-100	31.88	29.00	26.57
3/16	15	.020	120	25	602-1230-100	34.63	31.54	28.89
1/4	14	.030	168	32	602-1231-100	47.07	42.87	39.33
3/8	12	.030	288	46	602-1232-100	75.42	68.55	62.91
1/2	10	.030	384	53	602-1233/2-100	95.59	86.94	79.64
5/8	10	.030	384	53	602-1233-100	101.25	92.06	84.42
3/4	7	.040	832	85	602-1234-100	227.58	206.87	189.59
1	7	.045	832	85	602-1235-100	243.58	221.42	203.04

PVC-105 ALL PURPOSE PVC TUBING

s:
wire protection
nce to heat, oil, and abrasion

ations:
ng Temperature: -20°C to 105°C
lity: Self Extinguishing (UL VW-1)

Color Code Chart
Replace the blank in the part number with:
BK for Black, **CL** for Clear

pha t No.	AWG No.	Nom I.D. (In.)	Wall Thickness	Spool Size (Ft.)	MOUSER STOCK NO.	Price Per Spool
105-24	24	.022	.012	1000	602-PVC105-24-1000__	38.08
105-22	22	.027	.012	100	602-PVC105-22-100__	9.61
105-20	20	.034	.016	1000	602-PVC105-20-1000__	41.06
105-19	19	.038	.016	1000	602-PVC105-19-1000__	41.06
105-18	18	.042	.016	100	602-PVC105-18-100__	10.12
105-17	17	.047	.016	100	602-PVC105-17-100__	10.20
105-16	16	.053	.016	100	602-PVC105-16-100__	10.29
105-15	15	.059	.016	100	602-PVC105-15-100__	10.37
105-14	14	.066	.016	100	602-PVC105-14-100__	10.80
105-13	13	.076	.016	100	602-PVC105-13-100__	11.06
105-12	12	.085	.016	500	602-PVC105-12-500__	27.03
105-11	11	.095	.016	100	602-PVC105-11-100__	12.33
105-10	10	.106	.016	500	602-PVC105-10-500__	35.20
105-9	9	.118	.020	500	602-PVC105-9-500__	38.08
105-8	8	.133	.020	100	602-PVC105-8-100__	12.59
105-7	7	.148	.020	100	602-PVC105-7-100__	12.84
105-6	6	.166	.020	100	602-PVC105-6-100__	13.69
105-5	5	.186	.020	100	602-PVC105-5-100__	14.63
105-4	4	.208	.020	100	602-PVC105-4-100__	17.60
105-3	3	.234	.020	100	602-PVC105-3-100__	18.62
105-2	2	.263	.020	250	602-PVC105-2-250__	30.18
105-1	1	.294	.020	100	602-PVC105-1-100__	20.49
105-0	0	.330	.020	100	602-PVC105-0-100__	22.96
05-5/16	5/16	.312	.025	100	602-PVC1055/16-100__	26.87

SW SERIES SPIRAL WRAP TUBING

ations:
ylene Operating temp: -20°C to +80°C
ability: not flame retardant
Operating temp: -40°C to +120°C
ability: 94V-2

ize	25 Ft. Spool MOUSER STOCK NO.	Price Each	100 Ft. Spool MOUSER STOCK NO.	Price Each
hylene, Clear				
/8	602-SW-1-25	4.07	602-SW-1-100	13.69
/4	602-SW-2-25	7.39	602-SW-2-100	22.37
3/8	602-SW-3-25	10.45	602-SW-3-100	38.95
/2	602-SW-4-25	12.44	602-SW-4-100	41.73
hylene, Black UV Resistant				
/8	602-SW-40-25	4.33	602-SW-40-100	14.63
/4	602-SW-41-25	8.69	602-SW-41-100	29.84
3/8	602-SW-42-25	12.35	602-SW-42-100	42.88
/2	602-SW-43-25	16.06	602-SW-43-100	55.39
Natural Color				
/8	602-SW-20-25	11.02	602-SW-20-100	35.75
/4	602-SW-21-25	19.19	602-SW-21-100	66.41
3/8	602-SW-22-25	42.94	602-SW-22-100	141.54
/2	602-SW-23-25	55.39	602-SW-23-100	183.53

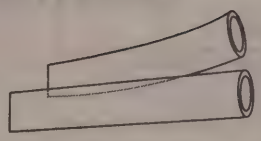
PIF-240 UNCOATED FIBERGLASS SLEEVING

s:
e Flexibility
e Heat Environments
- High Temperature Wire Harnesses
- High Temperature Cable Connections

cations:
ing Temp: -60°C to 648°C
Natural

Alpha art No.	AWG No.	Nom I.D. (In.)	100 Ft. Spool MOUSER STOCK NO.	Price Per Spool
F-240-18	18	.042	602-PIF-240-18	17.56
F-240-16	16	.053	602-PIF-240-16	16.92
F-240-15	15	.059	602-PIF-240-15	17.85
F-240-14	14	.066	602-PIF-240-14	19.00
F-240-12	12	.085	602-PIF-240-12	19.38
F-240-11	11	.095	602-PIF-240-11	19.73
F-240-10	10	.106	602-PIF-240-10	21.63
IF-240-9	9	.118	602-PIF-240-9	22.02
IF-240-8	8	.133	602-PIF-240-8	23.13
IF-240-7	7	.148	602-PIF-240-7	23.53
IF-240-6	6	.166	602-PIF-240-6	27.12
IF-240-5	5	.186	602-PIF-240-5	30.18
IF-240-4	4	.208	602-PIF-240-4	34.94
IF-240-3	3	.234	602-PIF-240-3	37.41
IF-240-2	2	.263	602-PIF-240-2	42.23
IF-240-1	1	.294	602-PIF-240-1	47.52
IF-240-0	0	.330	602-PIF-240-0	57.44
F-240-3/8	3/8	.375	602-PIF-240-3/8	73.81
-240-7/16	7/16	.438	602-PIF-240-7/16	93.34
-240-1/2A	1/2	.500	602-PIF-240-1/2A	121.38

TFT-200 TEFLON TUBING



Features:
- Wire Harnesses
- High Temperature Component Covering
- Excellent Heat and Chemical Resistance
- Superior Dielectric Strength

Specifications:
- Operating Temperature: -65°C to 260°C
- Tensile Strength: 2500 psi
- Color: Transparent

Alpha Part No.	AWG No.	Nom I.D. (In.)	Wall Thickness	MOUSER STOCK NO.	Price Per Spool
TFT-200-30	30	.012	.009	602-TFT20030-100	42.32
TFT-200-28	28	.015	.009	602-TFT20028-100	39.28
TFT-200-26	26	.018	.009	602-TFT20026-100	43.51
TFT-200-24	24	.022	.010	602-TFT20024-100	47.79
TFT-200-22	22	.028	.010	602-TFT20022-100	55.65
TFT-200-20	20	.034	.012	602-TFT20020-100	59.90
TFT-200-19	19	.038	.012	602-TFT20019-100	50.54
TFT-200-18	18	.042	.012	602-TFT20018-100	67.26
TFT-200-17	17	.047	.012	602-TFT20017-100	53.20
TFT-200-16	16	.053	.012	602-TFT20016-100	57.82
TFT-200-15	15	.059	.012	602-TFT20015-100	73.95
TFT-200-14	14	.066	.012	602-TFT20014-100	68.84
TFT-200-13	13	.076	.012	602-TFT20013-100	59.96
TFT-200-12	12	.085	.012	602-TFT20012-100	83.79
TFT-200-11	11	.095	.012	602-TFT20011-100	86.20
TFT-200-10	10	.106	.012	602-TFT20010-100	93.59

PIF-200 SILICONE COATED FIBERGLASS SLEEVING

Features:
- High Flexible Routing
- Extreme Abrasion Resistance
- Superior Electrical Properties

Specifications:
- Operating Temperature: -70°C to 200°C
- Voltage Rating: 600V
- Color: Natural

Alpha Part No.	AWG No.	Nom I.D. (In.)	100 Ft. Spool MOUSER STOCK NO.	Price Per Spool
PIF-200-10	10	.107	602-PIF-200-10	98.86
PIF-200-9	9	.119	602-PIF-200-9	108.46
PIF-200-8	8	.136	602-PIF-200-8	114.87
PIF-200-7	7	.151	602-PIF-200-7	118.16
PIF-200-6	6	.170	602-PIF-200-6	120.96
PIF-200-5	5	.190	602-PIF-200-5	138.42
PIF-200-4	4	.208	602-PIF-200-4	142.84
PIF-200-3	3	.239	602-PIF-200-3	166.26
PIF-200-2	2	.268	602-PIF-200-2	185.04
PIF-200-1	1	.294	602-PIF-200-1	225.26
PIF-200-0	0	.330	602-PIF-200-0	263.25
PIF-200-3/8	3/8	.375	602-PIF-200-3/8	344.85
PIF-200-7/16	7/16	.438	602-PIF-200-7/16	455.10
PIF-200-1/2A	1/2	.500	602-PIF-200-1/2A	531.25

PIF-130 PVC COATED FIBERGLASS SLEEVING

Features:
- Flexible Wire Harnessing
- High Temperature, Abrasion, and Oil Resistence
- Resists Fraying, Bending, and Knotting

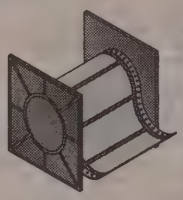
Specifications:
- Operating Temp: -20°C to 130°C
- Color: Black

Alpha Part No.	AWG No.	Nom I.D. (In.)	100 Ft. Spool MOUSER STOCK NO.	Price Per Spool
PIF-130-20	20	.034	602-PIF-130-20	24.82
PIF-130-18	18	.042	602-PIF-130-18	26.04
PIF-130-16	16	.053	602-PIF-130-16	26.73
PIF-130-14	14	.066	602-PIF-130-14	30.45
PIF-130-12	12	.085	602-PIF-130-12	28.98
PIF-130-10	10	.106	602-PIF-130-10	33.39
PIF-130-8	8	.133	602-PIF-130-8	37.11
PIF-130-6	6	.166	602-PIF-130-6	43.94
PIF-130-4	4	.208	602-PIF-130-4	53.68
PIF-130-2	2	.263	602-PIF-130-2	66.81
PIF-130-0	0	.330	602-PIF-130-0	90.21
PIF-130-3/8	3/8	.375	602-PIF-130-3/8	114.44
PIF-130-7/16	7/16	.438	602-PIF-130-7/16	151.03
PIF-130-1/2A	1/2	.500	602-PIF-130-1/2A	181.30
PIF-130-5/8	5/8	.625	602-PIF-130-5/8	227.38
PIF-130-3/4	3/4	.750	602-PIF-130-3/4	279.41
PIF-130-7/8	7/8	.875	602-PIF-130-7/8	360.70
PIF-130-1 IN	1 IN	1.000	602-PIF-130-1	435.44

FIT®PRINT HEAT SHRINKABLE IDENTIFICATION SYSTEM

Specifications:
- Identification for cable or harness assemblies
- Permanent/smear-resistant marking
- Bright yellow for high visibility or white
- Operating Temp: -30°C to +105°C
- Tensile Strength: 1200psi
- Shrinkage ratio: Approximately 3 to 1 at 125°C

Applications:
- Marine Electronics
- Industrial Computers
- Electrical Equipment



Replace the blank in the part number with: **WH** for **White, YL** for **Yellow**

For quantities of 5 and up, call for quote.

Alpha Stock No.	Wire AWG	Expanded I.D. Min. (In.)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Per Spool
FITPRINT1/8	22-16	0.125	0.042	602-FITPRINT-1/8__	125.36
FITPRINT1/4	16-8	0.250	0.083	602-FITPTINT-1/4__	139.15
FITPRINT1/2	8-2	0.500	0.166	602-FITPRINT-1/2__	324.21
FITPRINT1	2-400	1.000	0.333	602-FITPRINT-1WH	374.54

MOLDED IRRADIATED POLYOLEFIN END CAPS

Specifications:
- Operating Temp: -55°C to +135°C
- Shrinkage ratio: Approximately 2 to 1 at 135°C
- Color: Black

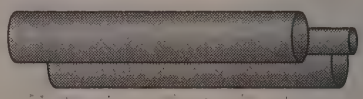
Applications:
- Wire Terminations
- Splice Terminations

Alpha Stock No.	Expanded I.D. Min. (In.)	Recovered I.D. (In.)	Nominal Length (IN.)	MOUSER STOCK NO.	Price P pcs. P
CAP-21	.20	.08	.90	602-CAP-21	54.6
CAP-22	.29	.12	1.00	602-CAP-22	65.2
CAP-23	.40	.18	1.20	602-CAP-23	115.4
CAP-24	.60	.25	1.60	602-CAP-24	183.6
CAP-25	.81	.37	2.40	602-CAP-25	257.5

FIT®350 HIGHLY FLAME-RETARDANT IRRADIATED KYNAR®

Specifications:
- Operating Temp: -55°C to +175°C
- Shrinkage Ratio: Approximately 2 to 1 at 175°C
- Color: Transparent

Applications:
- High Temperature Environments
- Exposure to Chemicals
- Use with High Temperature Wire
- Caustic Environmments

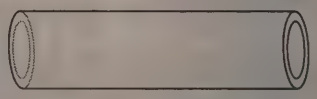


Alpha Stock No.	Size	Expanded I.D. Min. (In.)	Recovered I.D. (In.)	MOUSER STOCK NO. (6 In. Lengths)	Pieces Per Pkg.	Price Per Pkg. 1	Price Per Pkg. 5	Price Per Pkg. 10	MOUSER STOCK NO. (4 Ft. Lengths)	Price Per 4' Length 1	Price Per 4' Length 25	Price Per 4' Length 1
FIT-350-1/16	1/16	.063	.031	602-FIT3501/16-28	28	21.53	19.53	17.74	602-FIT3501/16-25	5.02	4.56	4
FIT-350-3/32	3/32	.093	.046	602-FIT3503/32-24	24	21.53	19.53	17.74	602-FIT3503/32-25	5.88	5.34	4
FIT-350-1/8	1/8	.125	.062	602-FIT3501/8-20	20	21.53	19.53	17.74	602-FIT3501/8-25	6.42	5.92	5
FIT-350-3/16	3/16	.187	.093	602-FIT3503/16-16	16	21.53	19.53	17.74	602-FIT3503/16-25	10.01	9.08	8
FIT-350-1/4	1/4	.250	.125	602-FIT3501/4-12	12	21.53	19.53	17.74	602-FIT3501/4-25	12.58	11.42	10
FIT-350-1/2	1/2	.500	.250	602-FIT3501/2-4	4	21.53	19.53	17.74	602-FIT3501/2-5	24.62	22.34	20

FIT®260 IRRADIATED POLYOLEFIN GROUND IDENTIFICATION

Specifications:
- Operating Temp: -55°C to +135°C
- Shrinkage Ratio: Approximately 2 to 1 at 120°C
- Color: Green with Yellow Stripe
- Tensile Strength: 1500 psi

Applications:
- Color Coding Leads as a Ground Circuit
- Approved for Use By NFPA for 600 Volt Ground Lead Identification
- Wire Harness Identification



Large Spools

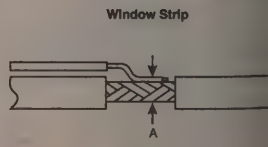
Alpha Stock No.	Size	Spool Length (Ft.)	Expanded I.D. Min. (In.)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Per Spool
FIT-260-1/8	1/8	500	.118	.059	602-FIT2601/8	573.99
FIT-260-1/4	1/4	250	.236	.118	602-FIT2601/4	397.77
FIT-260-3/8	3/8	250	.315	.158	602-FIT2603/8	411.92
FIT-260-1/2	1/2	250	.472	.236	602-FIT2601/2	501.98
FIT-260-3/4	3/4	250	.748	.355	602-FIT2603/4	839.33
FIT-260-1	1	100	1.024	.512	602-FIT2601	475.10

FIT®SLV SHRINKABLE SOLDERING SLEEVES

105°C Series

Specifications:
- Operating Temp: 105°C
- Tensile Strength: Bround Lead Breakage 25 Lb. (AWG)
- Solder Melt Temp: 145°C
- Color: Transparent

Applications:
- Sheild to Ground Terminations
- Water Resistant Protection
- Heavy-Duty Splice Connection

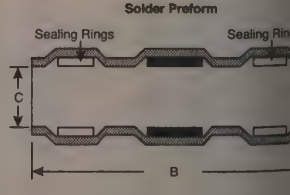


Alpha Stock No.	Cable Dim. (A) Min. (In.)	Nominal (B) (In.)	Cable Dim. (C) Min. (In.)	25 Piece Packages MOUSER STOCK NO.	25 Piece Packages Price Per 25 pcs. Pkg.	100 Piece Packages MOUSER STOCK NO.	100 Piece Packages Price Per 100 pcs. Pkg.
FIT-SLV-12	.055	.620	.125	602-FITSLV12-25	34.58	602-FITSLV12-100	104.10
FIT-SLV-14	.100	.620	.200	602-FITSLV14-25	36.45	602-FITSLV14-100	109.50
FIT-SLV-16	.160	.750	.300	602-FITSLV16-25	50.56	602-FITSLV16-100	153.38

125°C Series

Specifications:
- Operating Temp: 125°C
- Tensile Strength: Bround Lead Breakage 25 Lb. (AWG)
- Solder Melt Temp: 180°C
- Color: Transparent

Applications:
- Sheild to Ground Terminations
- Water Resistant Protection
- Heavy-Duty Splice Connection



Alpha Stock No.	Cable Dim. (A) Min. (In.)	Nominal (B) (In.)	Cable Dim. (C) Min. (In.)	25 Piece Packages MOUSER STOCK NO.	25 Piece Packages Price Per 25 pcs. Pkg.	100 Piece Packages MOUSER STOCK NO.	100 Piece Packages Price Per 100 pcs. Pkg.
FIT-SLV-22	.055	.620	.125	602-FITSLV22-25	31.73	602-FITSLV22-100	87.16
FIT-SLV-24	.100	.620	.200	602-FITSLV24-25	35.03	602-FITSLV24-100	105.00
FIT-SLV-26	.160	.750	.300	602-FITSLV26-25	48.46	602-FITSLV26-100	145.28

Heat Guns and Heat Shrink

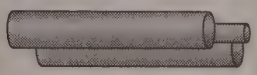
SHRINKABLE TUBING ASSORTMENT KITS

s the Designer, Engineer, or Technician with a complete sampler selection of the most popular FIT shrinkable tubing types, colors, and sizes.

OUSER OCK NO.	Contents	Price Each
IT-MGKIT-1	**Heat Shrink Cable Repair Kit, Surface irradiated polyolefin:** 6 colors, blk, wht, red, blu, yel, grn; size 14-6" x 1/8", 14-6" x 3/16", 14-6" x 1/4", 9-6" x 3/8", 9-6" x 1/2", includes powerful; compact, **Mini Heat Gun** w/controllable heat to 1000°F	83.97
IT-221-R	**Refill for FIT MGKIT1**, contains 60-6" lengths in 6 colors. 1/8", 3/16", 1/4", 3/8", 1/2"	27.33
IT-KIT-1	**Vinyl**: 9 sizes: 3/64"-3/4", 18: 6" pieces; **Polyolefin**: 9 sizes: 3/64"-3/4", 19: 6" pieces; **Semi-rigid polyolefin**: 8 sizes: 3/64"-1/2", 12: 6" pieces; **Surface irradiated polyolefin**: 5 sizes: 1/8"-1/2", 10: 6" pieces; **Kynar**: 7 sizes: 3/64"-3/8", 14. 6" pieces; **Crimps**: 22AWG and 10AWG, 3 pieces; **Boots**: 6 pieces	86.23
IT-KIT-2	Includes **all items in kit 602-FIT-KIT-1** (above), **plus** the following: **Adhesive-lined polyolefin**: 2 sizes: 1/4" and 1/2", 16: 6" pieces and 24:1" pieces; **FEP Teflon**: 6 sizes: 12AWG-24AWG, 22: 6" pieces; **TFE Teflon**: 5 sizes:18AWG-26AWG, 17: 6" pieces; **Neoprene**: 5 sizes:1/4"-1": 8: 6" pieces; **Cable sleeves**: 2 sizes: 21 and 22, 2: 6" pieces; **Adhesive cable sleeves**: 3/8": 10: 1" pieces	118.72
IT-KIT-7	**Vinyl**: 7 sizes: 1/6"-1/2", 14: 6" pieces; **FEP Teflon**: 7 sizes: 24-12, 14: 6" pieces; 2 to 1 **Polyolefin**: 7 sizes: 1/16"-1/2", 28: 6" pieces; **Adhesive wall polyolefin**: 5 sizes: 1/4"-1", 10: 6" pieces; **Ground lead polyolefin**: 3 sizes: 1/8"-1/2", 6: 6" pieces; **Surface irradiated polyolefin**: 4 sizes: 1/2"-3/8", 8: 6" pieces; 3 to 1 **Polyolefin**: 3 sizes: 1/8"-1/2", 6: 6" pieces; **Kynar**: 7 sizes: 3/64"-1/2", 14: 6" pieces; **Shrink nylon crimps**: 3 sizes: 1-3, 12 pieces	136.46

621 HEAVY WALL ADHESIVE LINED IRRADIATED POLYOLEFIN SHRINKABLE TUBING

k ratio: 6:1
k Temperature: 121° C
ating Temperature: -55° C to +90° C
tudinal shrinkage: -10%



Lengths

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Size (In.)	Pkg. Qty.	Color	Price Per Package 1	5	25	100
621058-6BK	5/8	3	Black	79.42	77.43	69.49	65.52
621114-6BK	1 1/4	3	Black	89.10	86.87	77.96	73.51
621200-6BK	2	3	Black	101.18	98.65	88.52	83.48
621212-6BK	2 1/2	3	Black	98.46	95.99	86.15	81.23
621300-6BK	3	3	Black	146.24	142.58	127.96	120.65
621400-6BK	4	3	Black	249.04	242.81	217.91	205.45

MULTI-FUNCTIONAL HEAT GUN

This economical two-temperature heat gun is lightweight in design. It has a dual temperature setting by means of a 3-position slider switch. High and low temperatue: 750° F-low, 1090° F-high, 1200W, 120V, UL listed. Equipped with built-in ring stand and hanger, concentractor nozzle and hook reflector nozzle attachments.

MOUSER STOCK NO.	Price Each 1	5
602-FGUN3	78.45	74.69

PVC HEAT SHRINKABLE TUBING ASSORTMENTS

Fungus resistant. Non-corrosive. Meets MIL Spec. UL, and ASTM D-922 Requirements.

For quantities of 10 and up, call for quote.

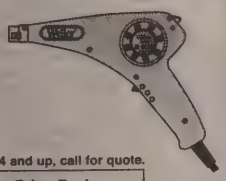
MOUSER STOCK NO.	Description	Price Each
524-12-1080	6" lengths, 23 pieces black	3.71
524-12-1082	6" lengths, 19 pieces clear	3.71

MODEL 6966C INDUSTRIAL HEAT GUN

fications:
rical Rating: 120V, 250W, 60 Hz

res:
gned for assembly and repair
cations in production plants,
atories and service shops
safe
ox. 750°F to 800°F hot air
zzle
e grounded plug, 6' cord
ition switch
weight, 13 oz.
isted

Includes:
- 1/2" Reflector
- 1 1/2" Reflector
- Reducing Baffle
- Precision Reflector



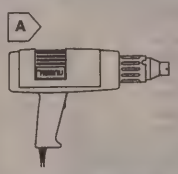
For quantities of 24 and up, call for quote.

SER STOCK NO.	Mfr. Part No.	Price Each 1	6	12
	-6966C	129.98	125.64	112.64

HEAT GUN & ACCESSORIES

Provides flameless heat for applying heat shrink tubing, curing epoxy, and many other applications. High and low temperature: 790°F-low, 1200°F-high, 1000W (max.), 120VAC, 60Hz, UL listed.

E21922



B: 578-1080 Reducer (Heat concentration)

C: 578-1082 Reflector (for heat shrink)

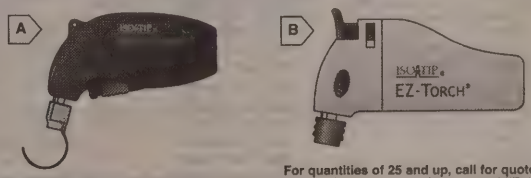
For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Price Each 1	6	12
578—1095		A	53.17	51.38	46.07
578—1080		B	6.20	5.98	5.36
578—1082		C	6.20	5.98	5.36

PORTABLE HEAT GUN AND MINI TORCH

MicroTherm Heat Gun
- Portable and flameless heat
- Electronic ignition
- Temperatures up to 1200°F (650°C)
- For heat shrink tubing, activating adhesives and potting compounds.

EZ-Torch Portable Mini Torch
- Electronic ignition
- Runs approximately 20 minutes of continuous flame per cartridge
- Maximum temperature range: 1300°F–2375°F



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Description	Price Each 1	5	10
557—7975		A	Micro Therm Heat Gun	27.95	26.55	25.22
557—7978		B	EZ-Torch Mini Torch	19.95	18.95	18.00
557—7978-300		-	2 pk. butane refills	2.49	2.37	2.24

HEAT SHRINKABLE TUBING

1 Shrink Ratio
ble, highly flame retardant tubing
d resistance to most fuels and oils
d cut through and solder resistance
ace marked
rating temperature: -55°C to 135°C
ts MIL I23053/5 Class 1 or Class 2
r: Black

E122770 073665

HSTT-Combination Heat Shrink Tubing: Single Diameter, Black & Colors, 6 In. Lengths

- Colors Include: Clear, Red, Yellow, Green, Blue, and White

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Size	Expanded I.D. (In.)	Recovered I.D. (In.)	No. of Black Pcs.	Each Color No. of Pcs.	Pieces Per Pkg.	Price Per Pkg. 1	5
644-HSTT06-YK1	1/16	.063	.031	8	3	26	11.12	9.73
644-HSTT09-YK1	3/32	.093	.046	6	3	24	11.12	9.73
644-HSTT12-YK1	1/8	.125	.062	2	3	20	11.12	9.73
644-HSTT19-YK1	3/16	.187	.093	6	2	18	11.12	9.73
644-HSTT25-YK1	1/4	.250	.125	2	2	14	11.12	9.73
644-HSTT38-YK1	3/8	.375	.187	6	1	12	11.12	9.73
644-HSTT50-YK1	1/2	.500	.250	4	1	10	11.12	9.73
644-HSTT75-YK1	3/4	.750	.375	2	1	8	11.12	9.73
644-HSTT100-YK1	1	1.00	.500	1	1	7	11.12	9.73

HSTT - Multiple Diameter, Black Only, 6 In. Lengths

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	No. of Pieces by Diameter	Pieces Per Pkg.	Price Per Pkg. 1	5
644-HSTT-YK1	2 Pcs. Each: 1/8", 1/16", 3/16", 3/32", 1/4", 1/2", 3/8"	14	11.12	9.73
644-HSTT-YK2	2 Pcs. Each: 3/8", 1/2", 3/4", 1"	8	11.12	9.73

HSTT - Multiple Diameter, Yellow/Green Stripe, 6 In. Lengths

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	No. of Pieces by Diameter	Pieces Per Pkg.	Price Per Pkg. 1	5
644-HSTT-YK1-45	2 Pcs. Each: 1/8", 3/16", 1/4", 3/8"	8	11.12	9.73
644-HSTT-YK2-45	2 Pcs. Each: 3/8", 1/2", 3/4"	6	11.12	9.73

T - Flexible Polyolefin Thin Wall Heat nk Tubing, Precut 4' Lengths

For quantities of 25 and up, call for quote.

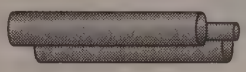
MOUSER STOCK NO.	Size	Expanded I.D. (In.)	Recovered I.D. (In.)	Price Per 4' Length 1	5	10
-HSTT06-48-Q	1/16	.063	.031	1.10	1.05	.99
-HSTT09-48-Q	3/32	.093	.046	1.30	1.24	1.16
-HSTT12-48-Q	1/8	.125	.062	1.36	1.29	1.22
-HSTT19-48-Q	3/16	.187	.093	1.70	1.61	1.53
-HSTT25-48-Q	1/4	.250	.125	2.08	1.97	1.94
-HSTT38-48-Q	3/8	.375	.187	2.35	2.23	2.11
-HSTT50-48-5	1/2	.500	.250	2.64	2.50	2.37
-HSTT75-48-5	3/4	.750	.375	3.56	3.39	3.20
-HSTT100-48-5	1	1.00	.500	4.96	4.71	4.47

ALPHA WIRE Heat Shrinkable Tubing

100 FLEXIBLE NON-IRRADIATED PVC SHRINKABLE TUBING

Specifications:
- Operating temperature: 105°C
- UL VW-1
- 20% longitudinal shrinkage
- Shrinkage temperature: 100°C

Replace the blank in the part number with: **BK for Black, CL for Clear**



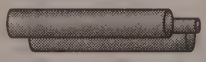
Size	Expanded I.D. Min (In.)	Recovered I.D. (In.)	25 Ft. Spool MOUSER STOCK NO.	Price Per Spool	Large Spools MOUSER STOCK NO.	Spool Lth (Ft.)	Pri Pe Spo
3/64	.046	.023	602-100364__-25	15.67	602-100364__	1000	174.
1/16	.063	.032	602-100116__-25	12.41	602-100116__	1000	137.
3/32	.093	.046	602-100332__-25	12.57	602-100332__	1000	139.
1/8	.125	.063	602-100018__-25	12.99	602-100018__	1000	140.
3/16	.187	.093	602-100316__-25	15.43	602-100316__	1000	160.
1/4	.250	.125	602-100014__-25	11.93	602-100014__	1000	188.
5/16	.313	.157	602-100516__-25	14.54	602-100516__	500	100.
3/8	.375	.187	602-100038__-25	18.33	602-100038__	500	120.
1/2	.500	.250	602-100012__-25	24.33	602-100012__	250	72.
5/8	.625	.313	602-100058__-25	20.90	602-100058__	250	90.
3/4	.750	.375	602-100034__-25	36.87	602-100034__	250	103.
1	1.000	.500	602-100100__-25	55.23	602-100100__	250	145.

105 FLEXIBLE IRRADIATED PVC SHRINKABLE TUBING

Specifications:
- Operating temperature: -35°C to 105°C
- Shrinkage ratio: app. 2 to 1 @ 175°C
- Longitudinal shrinkage: 10%
- Flammability: self-extinguishing (UL VW-1)
- Tensile strength: 2600psi
- Ultimate elongation: 250%
- Fungus resistance: no growth (MIL-1-7444)
- Dielectric strength: 750V
- MIL-1-23053/2C, class 1
- Color: black

Features:
- Economy
- Flexibility
- Excellent flame retardancy
- Military, UL/CSA requirements
- Extended shelf life

Applications:
- Use w/ irradiated PVC wire/cable
- Wire harnesses
- Cable/connector protection
- Insulation of terminals
- Wire splices



Size	Expanded I.D. Min (In.)	Recovered I.D. (In.)	25 Ft. Spool MOUSER STOCK NO.	Price Per Spool	100 Ft. Spool MOUSER STOCK NO.	Price Per Spool	Large Spools MOUSER STOCK NO.	Spool Lth (Ft.)	Price Spo
3/64	.046	.023	602-105364-25	12.83	602-105364-100	45.16	602-105364	1000	188.7
1/16	.062	.031	602-105116-25	13.26	602-105116-100	48.84	602-105116	1000	192.3
3/32	.093	.046	602-105332-25	15.57	602-105332-100	55.10	602-105332	1000	217.8
1/8	.125	.062	602-105018-25	16.24	602-105018-100	58.33	602-105018	1000	230.7
3/16	.187	.093	602-105316-25	19.95	602-105316-100	71.06	602-105316	1000	280.0
1/4	.250	.125	602-105014-25	24.65	602-105014-100	89.77	602-105014	1000	353.7
3/8	.375	.187	602-105038-25	27.83	602-105038-100	99.74	602-105038	500	197.1
1/2	.500	.250	602-105012-25	31.25	602-105012-100	112.49	602-105012	250	130.9
3/4	.750	.375	602-105034-25	41.96	602-105034-100	150.68	602-105034	250	180.0
1	1.000	.500	602-105100-25	53.10	602-105100-100	211.00	602-105100	250	245.4

221 FLEXIBLE IRRADIATED POLYOLEFIN SHRINKABLE TUBING

Specifications:
- Operating temperature: -55°C to 135°C
- Shrinkage ratio: app. 2 to 1 @ 121°C
- Longitudinal shrinkage: ±3%
- Color: black

Size	Expanded I.D. Min (In.)	Recovered I.D. (In.)	6 In. Lengths MOUSER STOCK NO.	Pieces Per Pkg.	Price Per Pkg. 1	5	10	4 Ft. Lengths MOUSER STOCK NO.	Price Per 4' Length 1	25	100	Large Spools MOUSER STOCK NO.	Spool Lth (Ft.)	Price Spo
3/64	.046	.023	602-221364-6BK	40	14.83	13.66	12.85	602-221364-4BK	.84	.66	.52	602-221364BK	1000	156.5
1/16	.063	.031	602-221116-6BK	36	14.83	13.66	12.85	602-221116-4BK	.91	.69	.56	602-221116BK	1000	159.7
3/32	.093	.046	602-221332-6BK	32	14.83	13.66	12.85	602-221332-4BK	1.21	.93	.73	602-221332BK	500	90.6
1/8	.125	.062	602-221018-6BK	28	14.83	13.66	12.85	602-221018-4BK	1.08	.82	.67	602-221018BK	500	125.0
3/16	.187	.093	602-221316-6BK	24	15.38	14.16	13.32	602-221316-4BK	1.34	1.02	.80	602-221316BK	500	112.9
1/4	.250	.125	602-221014-6BK	20	14.83	13.66	12.85	602-221014-4BK	1.65	1.27	1.00	602-221014BK	250	89.7
3/8	.375	.187	602-221038-6BK	16	14.83	13.66	12.85	602-221038-4BK	2.17	1.68	1.33	602-221038BK	200	65.6
1/2	.500	.250	602-221012-6BK	14	11.39	10.49	9.87	602-221012-4BK	2.26	2.09	1.98	602-221012BK	150	82.3
3/4	.750	.375	602-221034-6BK	12	15.38	14.16	13.32	602-221034-4BK	2.44	2.26	2.14	602-221034BK	250	123.8
1	1.000	.500	602-221100-6BK	8	14.83	13.66	12.85	602-221100-4BK	3.42	3.17	2.99	602-221100BK	250	173.1
1 1/2	1.500	.750	602-221112-6BK	5	14.83	13.66	12.85	602-221112-4BK	9.64	8.91	8.43	602-221112BK	125	158.6
2	2.000	1.000	602-221200-6BK	3	14.83	13.66	12.85	602-221200-4BK	13.66	12.63	11.96	602-221200BK	125	256.4
3	3.000	1.500	602-221300-6BK	2	14.83	13.66	12.85	602-221300-4BK	25.80	23.87	22.59	602-221300BK	100	470.4
4	4.000	2.000	---	1	---	---	---	602-221400-4BK	35.38	32.73	30.96	602-221400BK	50	305.6

221V HIGHLY FLAME RETARDANT IRRADIATED POLYOLEFIN SHRINKABLE TUBING

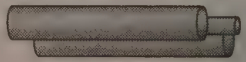
Specifications:
- Operating temperature: -40°C to 125°C
- Shrinkage ratio: app. 2 to 1 @ 121°C
- Longitudinal shrinkage: ±3%
- Color: black

Size	Expanded I.D. Min (In.)	Recovered I.D. (In.)	6 In. Lengths MOUSER STOCK NO.	Pieces Per Pkg.	Price Per Pkg. 1	5	10	4 Ft. Lengths MOUSER STOCK NO.	Price Per 4' Leng 1	25	1
3/64	.046	.023	602-221V364-6	40	15.26	14.48	13.70	602-221V364-4	1.17	.76	
1/16	.063	.031	602-221V116-6	36	15.26	14.48	13.70	602-221V116-4	1.18	.80	
3/32	.093	.046	602-221V332-6	32	15.26	14.48	13.70	602-221V332-4	1.33	.89	
1/8	.125	.062	602-221V018-6	28	16.46	15.62	14.77	602-221V018-4	1.42	.94	
3/16	.187	.093	602-221V316-6	24	15.26	14.48	13.70	602-221V316-4	1.71	1.15	
1/4	.250	.125	602-221V014-6	20	15.26	14.48	13.70	602-221V014-4	2.17	1.44	1
3/8	.375	.187	602-221V038-6	16	15.26	14.48	13.70	602-221V038-4	2.42	1.62	1
1/2	.500	.250	602-221V012-6	14	15.26	14.48	13.70	602-221V012-4	3.30	2.20	2
3/4	.750	.375	602-221V034-6	12	15.26	14.48	13.70	602-221V034-4	4.43	2.96	2
1	1.000	.500	602-221V100-6	8	15.26	14.48	13.70	602-221V100-4	6.20	4.13	3

321 3 TO 1 SHRINK RATIO POLYOLEFIN SHRINKABLE TUBING

Features:
- Adhesive inner wall

Specifications:
- Operating temperature: -55°C to 110°C
- Shrinkage ratio: app. 3 to 1 @ 125°C
- Longitudinal shrinkage: 15%
- Color: black



For quantities of 250 and up, call for q

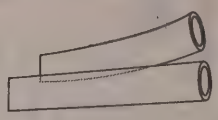
Size	Expanded Inner Dimension Min.	Recovered Inner Dimension Min.	6 In. Lengths MOUSER STOCK NO.	Pieces Per Package	Price Per Package 1	5	10	20	4 Ft. Lengths MOUSER STOCK NO.	Price Per 4' Length 1	5	25	10
1/8	.12"	.04"	602-321018-6BK	28	48.42	46.99	45.57	42.72	602-321018-4BK	8.42	7.96	7.52	6
1/4	.24"	.08"	602-321014-6BK	20	48.13	46.72	45.57	42.72	602-321014-4BK	12.90	12.23	11.55	11
1/2	.47"	.16"	602-321012-6BK	14	48.13	46.72	45.57	42.72	602-321012-4BK	21.22	20.09	18.98	17
1	.94"	.32"	602-321100-6BK	8	48.42	46.99	45.57	42.72	602-321100-4BK	34.61	32.79	30.96	29

ALPHA WIRE Heat Shrinkable Tubing

375 WATER-CLEAR, HIGHLY FLAME RETARDANT VINYLIDENE FLUORIDE

:
t Flame Retardancy
t Chemical Resistance
g Temp -55°C to 175°C
nately 2 to 1 at 150°C
dard Packages: Water Clear, Transparent
With XTRA-Guard® 4 and XTRA-Guard® 5

ation:
UL VW-1 Flame Test



* Comes in 50 foot spool

100' Spools

Alpha Part No.	Size	Expanded I.D. Min (In)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Each
FIT-375-3/64	3/64	0.046	0.023	602-FIT375364	125.50
FIT-375-1/16	1/16	0.063	0.031	602-FIT375116	136.60
FIT-375-3/32	3/32	0.093	0.046	602-FIT375332	160.20
FIT-375-1/8	1/8	0.125	0.062	602-FIT375018	174.80
FIT-375-3/16	3/16	0.187	0.093	602-FIT375316	271.80
FIT-375-1/4	1/4	0.250	0.125	602-FIT375014	342.10
FIT-375-3/8	3/8	0.375	0.187	602-FIT375038	449.70
* FIT-375-1/2	1/2	0.500	0.250	602-FIT375012	334.60

FLEX

:
Flexibility Available
Abrasion Resistance
Retardancy
y in Widest Temperature Range, -75°C to 200°C

- Pliability when Substrate Requires "Give"
- Use With XTRA-Guard® Flexible Cables
- Color: Gray

ations: UL Standard 224

ha No.	Expanded I.D. Min (In)	Recovered I.D. (In.)	25' Spools MOUSER STOCK NO.	25' Spools Price Each	100' Spools MOUSER STOCK NO.	100' Spools Price Each
EX-2	0.112	0.070	602-FITFLEX2	225.80	602-FITFLEX2C	902.80
EX-3	0.190	0.116	602-FITFLEX3	293.40	602-FITFLEX3C	1173.40
EX-5	0.305	0.184	602-FITFLEX5	396.50	602-FITFLEX5C	1585.50
EX-6	0.391	0.240	602-FITFLEX6	447.50	602-FITFLEX6C	1790.00
EX-9	0.588	0.357	602-FITFLEX9	589.40	602-FITFLEX9C	2357.60
EX-12	0.825	0.475	602-FITFLEX12	866.70	602-FITFLEX12C	3466.60
EX-20	1.217	0.790	602-FITFLEX20	1519.40	602-FITFLEX20C	6077.50

321V LOW SHRINK TEMP, FLAME ARDANT IRRADIATED POLYOLEFIN

tions:
and Intricate Electronics Protection
al Applications
Substrates are Heat Sensitive

Specifications:
- Operating Temp -55°C to 125°
- Shrinkage ratio: app 3 to 1 at 90°C
- Color: Black
- UL Standard 224
- Fast Recovery Time
- For Use with Series V (VFD Cable)

ha No.	Size	Expanded I.D. Min (In)	Recovered I.D. (In.)	Spool Lth (Ft.)	MOUSER STOCK NO.	Price Each
V-3/32	3/32	0.093	0.031	500	602-321V332BK	156.37
V-1/8	1/8	0.125	0.042	500	602-321V018BK	168.82
V-1/4	1/4	0.250	0.083	250	602-321V014BK	105.74
V-3/8	3/8	0.375	0.125	200	602-321V038BK	94.53
V-1/2	1/2	0.500	0.166	150	602-321V012BK	79.90
V-3/4	3/4	0.750	0.250	250	602-321V034BK	177.65
V-1	1	1.000	0.333	250	602-321V100BK	265.53

400 TEMPERATURE/CHEMICAL RESISTANT TEFLON HEAT SHRINK

e:
nt Chemical Resistance
Wall Thickness Available
Natural

- Extreme Temperature Range of -67°C to 200°C
- Use with XTRA-Guard® 4 and XTRA-Guard® 5

4' Lengths

Alpha art No.	Expanded I.D. Min (In)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Each
0-20	0.045	0.039	602-FIT-400-20	6.19
0-16	0.075	0.061	602-FIT-400-16	7.28
0-14	0.092	0.072	602-FIT-400-14	7.53
0-12	0.115	0.089	602-FIT-400-12	7.77
0-8	0.180	0.143	602-FIT-400-8	11.89
0-6	0.225	0.180	602-FIT-400-6	14.78

421 OVER EXPANDED, IRRADIATED POLYOLEFIN

e:
supplied diameter sizes
nce to water, fungus, and UV light

cations:
Strength: 1500psi
ing Temperature: -55°C to +135°C
age Ratio: Approximately 4 to 1 at 121°C
Black

Applications:
- D-Sub connector strain relief
- RS-232 25 pin connector to cable coverage
- Covers the most irregular shapes and connectors
- PC board coverage and protection

4' Lengths

pha t No.	Size	Expanded I.D. Min (In)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Each
1-1	1"	1.000	0.275	602-FIT421100	48.01
1-1-1/2	1 1/2"	1.150	0.375	602-FIT421112	44.27
1-2	2"	2.000	0.550	602-FIT421200	78.54
1-3	3"	3.000	0.810	602-FIT421300	53.99
1-4	4"	4.000	1.050	602-FIT421400	94.00

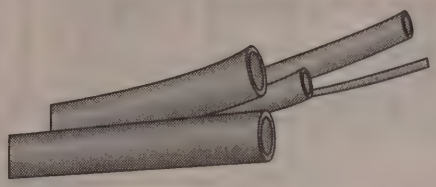
600 HIGHLY-FLEXIBLE IRRADIATED ELASTOMER

e:
ed Flexibility
han Twice the Tensile Strength of Silicone Rubber
sistance and Flame Retardancy

- Large Tubbing Diameters
- Use with XTRA-GUARD® 4
- Color: Black

25' Spools

0-1/4	1/4	0.250	0.143	602-FIT60014	111.20
0-3/8	3/8	0.375	0.214	602-FIT60038	133.10
0-1/2	1/2	0.500	0.286	602-FIT60012	147.70
0-5/8	5/8	0.625	0.357	602-FIT60058	166.10
0-3/4	3/4	0.750	0.428	602-FIT60034	184.70
0-7/8	7/8	0.875	0.500	602-FIT60078	206.60
0-1	1	1.000	0.570	602-FIT600100	225.40
0-1-1/4	1 1/4	1.250	0.714	602-FIT600114	312.40
0-1-1/2	1 1/2	1.500	0.857	602-FIT600112	365.10
0-1-3/4	1 3/4	1.750	1.000	602-FIT600134	446.10
0-2	2	2.000	1.140	602-FIT600200	518.90
0-3	3	3.000	1.710	602-FIT600300	792.10



FIT®650 CHEMICAL AND TEMPERATURE RESISTANT IRRADIATED VITON

Features:
- Extreme Temperatures -40°C to 200°C
- Excellent Chemical Resistance (Water, Oil, Acid and Fuels)
- Flexibility
- Use with XTRA-GUARD® 5 and XTRA-GUARD® Flexible Cables
- Color: Black

100' Spools

Alpha Part No.	Size	Expanded I.D. Min (In)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Each
FIT-650-1/8	1/8	0.125	0.062	602-FIT65018	1138.30
FIT-650-3/16	3/16	0.187	0.093	602-FIT650316	1118.70
FIT-650-1/4	1/4	0.250	0.125	602-FIT65014	1090.50
FIT-650-3/8	3/8	0.375	0.187	602-FIT65038	1054.60
FIT-650-1/2	1/2	0.500	0.250	602-FIT65012	1687.30
FIT-650-3/4	3/4	0.750	0.375	602-FIT65034	2356.10
FIT-650-1	1	1.000	0.500	602-FIT650100	3228.50

FIT®700 BONDING, MASTIC LINED, IRRADIATED POLYOLEFIN

Features:
- Bonding Adhesion to Most Materials
- Prevents Wicking and Fills Interstices
- Superior Strength
- Use with XTRA-GUARD® 3
- Temp Range -55°C to 90°C
- Environmental and Water-Tight Seal
- High Voltage
- Tubing Sizes Match 14AWG-2000MCM Sizes
- Color: Black

12" Lengths

Alpha Part No.	Expanded I.D. Min (In)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Each 1	Price Each 6
FIT-700-21	0.750	0.220	602-FIT70021	10.49	9.52
FIT-700-22	1.100	0.375	602-FIT70022	11.97	10.87
FIT-700-23	1.500	0.500	602-FIT70023	16.47	14.94
FIT-700-24	2.000	0.750	602-FIT70024	18.70	16.97
FIT-700-25	3.000	1.250	602-FIT70025	56.78	51.52
FIT-700-26	4.500	1.750	602-FIT70026	67.29	61.06

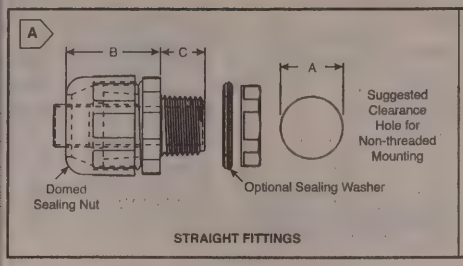
FIT®750 BONDING, ADHESIVE-LINED, IRRADIATED POLYOLEFIN

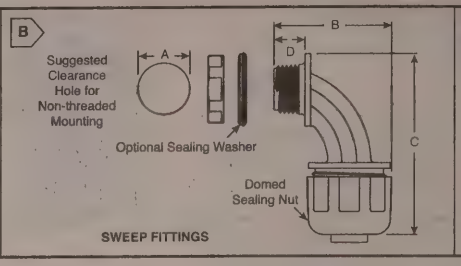
Features:
- Bonding to Substrates
- Total Encapsulation
- Permanent Water and Corrosion Protection
- Internal Isolation of Individual Substrates- "Pinching"
- Use with XTRA-GUARD® 2
- Similar to FIT®-221 with Adhesive Liner
- Reduced Diameters
- Color: Black
- Temp Range -55°C to 110°C

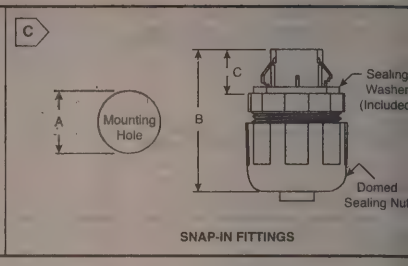
4' Lengths

Alpha Part No.	Size	Expanded I.D. Min (In)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Each
FIT-750-1/4	1/4	0.250	0.125	602-FIT75014	9.08
FIT-750-3/8	3/8	0.375	0.187	602-FIT75038	10.11
FIT-750-1/2	1/2	0.500	0.250	602-FIT75012	11.96
FIT-750-3/4	3/4	0.750	0.375	602-FIT75034	18.48
FIT-750-1	1	1.000	0.500	602-FIT750100	28.55
FIT-750-1-1/2	1 1/2	1.500	0.750	602-FIT750112	40.56

HEYCO Liquid Tight Conduit and Fittings







HEYCO-FLEX™ CONDUIT FITTINGS

Use with HEYCO-FLEX Conduit and Tubing

LL-84579
LR-81067
E-28430

Features:
- Resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents
- Material: 6/6 Nylon
- Suitable for indoor/ outdoor use
- Protection class IP 68 per DIN 40050
- Sealing Washers are not included.

Black **Gray**

Fits Conduit Trade Size	Description	Thread Size	Fig.	MOUSER STOCK NO.	Heyco Part No.	MOUSER STOCK NO.	Heyco Part No.	Dimensions (In.) A	B	C	D	Price Each 1	10	50
3/8"	HFC 3/8	1/2 NPT	A	836-8400	8400	836-8401	8401	0.875	1.330	0.625	--	1.16	.91	.75
1/2"	HFC 1/2	1/2 NPT	A	836-8402	8402	836-8403	8403	0.875	1.330	0.625	--	1.16	.91	.75
3/4"	HFC 3/4	3/4 NPT	A	836-8404	8404	836-8405	8405	1.109	1.410	0.625	--	1.79	1.41	1.17
1"	HFC 1	1 NPT	A	836-8406	8406	836-8407	8407	1.375	1.470	0.781	--	2.75	2.17	1.79
3/8"	HFC 3/8-90R	1/2 NPT	B	836-8423	8423	836-8424	8424	0.875	1.980	2.910	0.520	1.85	1.46	1.21
1/2"	HFC 1/2-90R	1/2 NPT	B	836-8425	8425	836-8426	8426	0.875	1.980	2.910	0.520	1.85	1.46	1.21
3/4"	HFC 3/4-90R	3/4 NPT	B	836-8427	8427	836-8428	8428	1.109	2.290	3.170	0.520	2.88	2.25	1.87
1"	HFC 1-90R	1 NPT	B	836-8412	8412	836-8413	8413	1.375	2.830	3.960	0.690	4.40	3.47	2.89
1/4"	HFC 1/4-S	1/4	C	836-8382	8382	--	--	0.500	1.500	0.500	--	1.11	.88	.72
3/8"	HFC 3/8-S	3/8	C	836-8384	8384	--	--	0.875	2.000	0.625	--	1.16	.91	.76
1/2"	HFC 1/2-S	1/2	C	836-8386	8386	--	--	0.875	2.000	0.625	--	1.16	.91	.76
3/4"	HFC 3/4-S	3/4	C	836-8388	8388	--	--	1.090	2.031	0.625	--	1.80	1.42	1.18
1"	HFC 1-S	1	C	836-8390	8390	--	--	1.375	2.250	0.781	--	2.76	2.17	1.81

HEYCO Sealing Washers

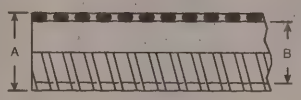
Fits Trade Size	MOUSER STOCK NO.	Heyco Part No.	Description	Price Each 1	10	50
1/4"	836-3258	3258	SW 1/4	.55	.42	.36
1/2"	836-3260	3260	SW 1/2	.58	.45	.38
3/4"	836-3261	3261	SW 3/4	.65	.51	.43
1"	836-3262	3262	SW 1	.99	.78	.65

For quantities of 250 and up, call fo

HEYCO-FLEX™ I LIQUID TIGHT CONDUIT

Use with HEYCO-FLEX Fittings

LL-84576
E-121096



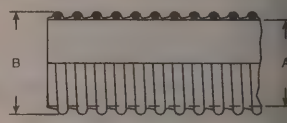
Features:
- Resists corrosion, abrasion, oil, water, acid, metal shavings, and rough environments
- Material: PVC
- Flammability Rating: VW1
- Color: Gray

Trade Size (In.)	MOUSER STOCK NO.	Heyco Part No.	Description	Dimensions (In.) A	B	Price Per 100' Coil
3/8"	836-8430	8430	HF1 3/8	0.700	0.494	59.68
1/2"	836-8431	8431	HF1 1/2	0.830	0.632	59.68
3/4"	836-8432	8432	HF1 3/4	1.040	0.830	73.94
1"	836-8433	8433	HF1 1	1.303	1.054	152.32

HEYCO-FLEX™ II LIQUID TIGHT TUBING

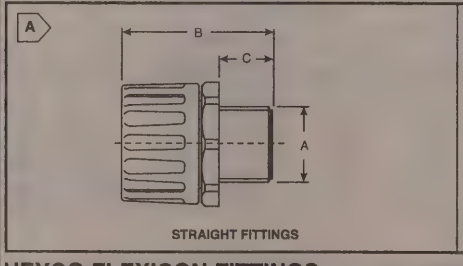
Use with HEYCO-FLEX Fittings

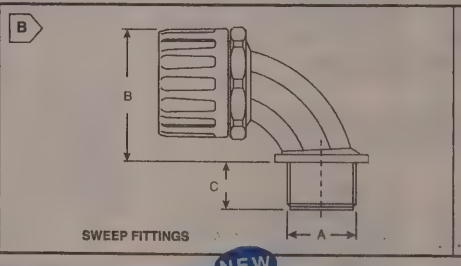
E-121095
LL-84578

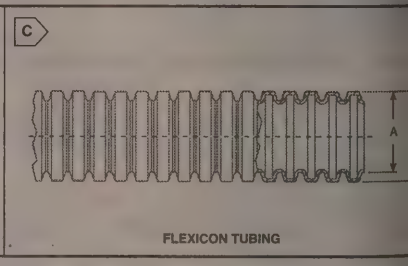


Features:
- Resists corrosion, oil, and water.
- Material: PVC
- Flammability Rating: VW1
- Color: Black

Trade Size (In.)	MOUSER STOCK NO.	Heyco Part No.	Description	Dimensions (In.) A	B	Price 100'
1/4"	836-8449	8449	HF2 1/4	0.568	0.395	8
3/8"	836-8450	8450	HF2 3/8	0.700	0.494	9
1/2"	836-8451	8451	HF2 1/2	0.830	0.632	9
3/4"	836-8452	8452	HF2 3/4	1.040	0.830	12
1"	836-8453	8453	HF2 1	1.303	1.054	20







HEYCO FLEXICON FITTINGS

Also available with PG and metric threads

NEW PRODUCT

E-229161

Use with Flexicon Tubing

Features:
- Unitary design and assembled shipment allows fast fit
- Resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents
- Material: 6/6 Nylon
- IP Rating: IP 66 per BS EN 60529 including high pressure water jet from any angle.
- Color: Black

Fits Conduit Nominal Size	MOUSER STOCK NO.	Heyco Part No.	Fig.	Description	Thread Size	Dimensions (In.) A	B	C	Price Each 1	10	50
1/2"	836-F8506	F8506	A	FPA 16-050	1/2 NPT	0.875	1.555	0.551	1.45	1.29	1.22
3/4"	836-F8510	F8510	A	FPA 21-050	1/2 NPT	0.875	1.732	0.551	1.62	1.44	1.37
1"	836-F8516	F8516	A	FPA 28-075	3/4 NPT	1.109	1.969	0.591	1.62	1.44	1.37
1/2"	836-F8606	F8606	B	FPA 16-050-90	1/2 NPT	0.875	1.476	0.512	1.60	1.42	1.35
3/4"	836-F8610	F8610	B	FPA 21-050-90	1/2 NPT	0.875	1.555	0.512	1.62	1.44	1.37
1"	836-F8616	F8616	B	FPA 28-075-90	3/4 NPT	1.109	1.988	0.591	1.62	1.56	1.51

For quantities of 250 and up, call fo

HEYCO FLEXICON TUBING

Use with Flexicon Fittings

E-229161

Features:
- Highly flexible
- Low fire hazard
- Self extinguishing
- Low smoke
- Material: Nylon 6
- Also available in Nylon 12
- Non-toxic
- High impact strength
- Temperature range: -40C to 120C
- Flammability Rating: 94 V2 and
- Halogen Free
- UV resistant black. Also available in gray

Nominal Size	MOUSER STOCK NO.	Heyco Part No.	Fig.	Description	Dimensions (In.) A	B	Thread Size	Price 100'
1/2"	836-F8404	F8404	C	FPAS 16/BL	.465	.622	1.575	11
3/4"	836-F8406	F8406	C	FPAS 21/BL	.657	.835	1.722	16
1"	836-F8410	F8410	C	FPAS 28/BL	.898	1.122	1.969	26

TEK Q2-F SERIES - HIGH STRENGTH, VW-1, THIN WALL POLYOLEFIN, 2:1 SHRINK RATIO

or use in commercial and mititary applications that require high strength ity. Flexible, flame retardant and resistant to common fluids and solvents -AMS-DTL-23053/5, Class 1 & 3 and meets the Sony SS-00259 standard. e of standard colors available.

- Operating Temp: -55°C to +135°C
- Minimum Shrink Temp: 70°C
- UL File No. E236137
- Color: Black

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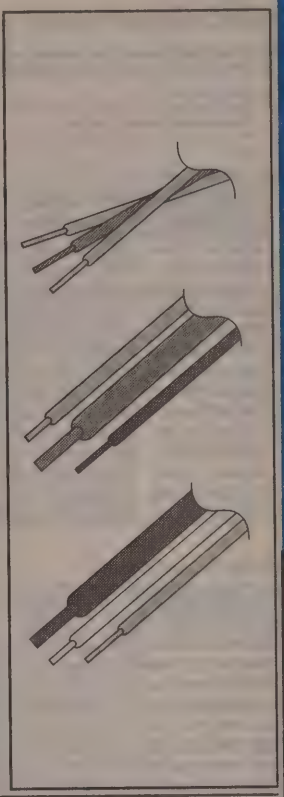


As Supplied	After Recovered		6" Lengths				4 Foot Lengths				
Min. Inside Dia. (mm)	Max. Inside Dia.(mm)	Min. Wall Thickness (mm)	MOUSER STOCK NO.	Pieces Per Pkg.	Price Per Pkg. 1	10	25	MOUSER STOCK NO.	Pieces Per Pkg.	Price Per Pkg. 1	10	25
1.6	0.60	0.33	562-Q2F364-6N40	40	2.58	2.33	2.11	562-Q2F364-48N25	25	11.81	10.63	9.66
2.0	0.80	0.36	562-Q2F116-6N36	36	2.40	2.16	1.97	562-Q2F116-48N25	25	12.19	10.98	9.98
3.1	1.20	0.44	562-Q2F332-6N32	32	2.20	1.98	1.80	562-Q2F332-48N25	25	12.58	11.32	10.29
3.7	1.60	0.44	562-Q2F18-6N28	28	2.11	1.90	1.72	562-Q2F18-48N25	25	13.71	12.34	11.22
5.2	2.40	0.51	562-Q2F316-6N24	24	2.70	2.43	2.21	562-Q2F316-48N25	25	20.58	18.52	16.84
6.8	3.20	0.56	562-Q2F14-6N20	20	2.67	2.41	2.19	562-Q2F14-48N25	25	24.39	21.95	19.95
8.8	4.00	0.56	562-Q2F516-6N18	18	3.26	2.94	2.67	562-Q2F516-48N25	25	33.14	29.82	27.11
10.7	4.80	0.56	562-Q2F38-6N16	16	3.04	2.73	2.49	562-Q2F38-48N25	25	34.68	31.21	28.37
13.7	6.40	0.65	562-Q2F12-6N14	14	3.58	3.22	2.93	562-Q2F12-48N5	5	9.36	8.43	7.66
16.7	8.00	0.69	562-Q2F58-6N14	14	4.94	4.45	4.04	562-Q2F58-48N5	5	12.87	11.59	10.53
20.5	9.50	0.80	562-Q2F34-6N12	12	5.44	4.90	4.45	562-Q2F34-48N5	5	16.52	14.87	13.52
26.5	12.70	0.90	562-Q2F1-6N8	8	4.69	4.22	3.84	562-Q2F1-48N5	5	21.42	19.28	17.53
33.5	15.90	1.02	562-Q2F114-6N8	8	7.46	6.71	6.10	562-Q2F114-48N5	5	32.46	29.21	26.56
41.0	19.10	1.02	562-Q2F112-6N5	5	6.62	5.96	5.42	562-Q2F112-48N5	5	42.50	38.25	34.77
52.0	25.40	1.14	562-Q2F-2-6N3	3	5.15	4.63	4.21	562-Q2F-2-48N5	5	59.64	53.67	48.79

LTEK Q2-Z SERIES - LOW COST, VW-1, THIN WALL POLYOLEFIN, 2:1 SHRINK RATIO

ment friendly flame retardant tubing that is widely used for strain relief, harnessing, and color coding with good flexibility or mechanical strength. Wide range of standard colors.

- Operating Temp: -55°C to +135°C
- Minimum Shrink Temp: 70°C
- UL File No. E236137
- Color: Black

c UL us

1.6	0.60	0.33	562-Q2Z364-6N40	40	2.58	2.33	2.11	562-Q2Z364-48N25	25	11.81	10.63	9.66
2.0	0.80	0.36	562-Q2Z116-6N36	36	2.40	2.16	1.97	562-Q2Z116-48N25	25	12.19	10.98	9.98
3.1	1.20	0.44	562-Q2Z332-6N32	32	2.20	1.98	1.80	562-Q2Z332-48N25	25	12.58	11.32	10.29
3.7	1.60	0.44	562-Q2Z18-6N28	28	2.11	1.90	1.72	562-Q2Z18-48N25	25	13.71	12.34	11.22
5.2	2.40	0.51	562-Q2Z316-6N24	24	2.70	2.43	2.21	562-Q2Z316-48N25	25	20.58	18.52	16.84
6.8	3.20	0.56	562-Q2Z14-6N20	20	2.67	2.41	2.19	562-Q2Z14-48N25	25	24.39	21.95	19.95
8.8	4.00	0.56	562-Q2Z516-6N18	18	3.26	2.94	2.67	562-Q2Z516-48N25	25	33.14	29.82	27.11
10.7	4.80	0.56	562-Q2Z38-6N16	16	3.04	2.73	2.49	562-Q2Z38-48N25	25	34.68	31.21	28.37
13.7	6.40	0.65	562-Q2Z12-6N14	14	3.58	3.22	2.93	562-Q2Z12-48N5	5	9.36	8.43	7.66
16.7	8.00	0.69	562-Q2Z58-6N14	14	4.94	4.45	4.04	562-Q2Z58-48N5	5	12.87	11.59	10.53
20.5	9.50	0.80	562-Q2Z34-6N12	12	5.44	4.90	4.45	562-Q2Z34-48N5	5	16.52	14.87	13.52
26.5	12.70	0.90	562-Q2Z1-6N8	8	4.69	4.22	3.84	562-Q2Z1-48N5	5	21.42	19.28	17.53
33.5	15.90	1.02	562-Q2Z114-6N8	8	7.46	6.71	6.10	562-Q2Z114-48N5	5	32.46	29.21	26.56
41.0	19.10	1.02	562-Q2Z112-6N5	5	6.62	5.96	5.42	562-Q2Z112-48N5	5	42.50	38.25	34.77
52.0	25.40	1.14	562-Q2Z-2-6N3	3	5.15	4.63	4.21	562-Q2Z-2-48N5	5	59.64	53.67	48.79

LTEK Q2-Z TYPE - TUBING KIT, ORTED SIZES / BLACK

c UL us

consists 3" pieces:

Quantity	Size	Quantity
40 pcs.	5/16	18 pcs.
36 pcs.	3/8	16 pcs.
32 pcs.	1/2	14 pcs.
28 pcs.	5/8	14 pcs.
24 pcs.	3/4	12 pcs.
20 pcs.	1	8 pcs.

QKIT 2 consists of 82 6" pieces:

MOUSER STOCK NO.	Description	Price Per Kit
562-Q2ZQK101-180	Q Kit 1	27.49
562-Q2ZQK201-82	Q Kit 2	37.45

QUALTEK Q2-F TYPE - TUBING KIT, ASSORTED SIZES & COLORS

c UL us

QKIT 3 consists of 127 6" pieces:

Color / Size	1/16	1/8	1/4	3/8	1/2	1
Black	10	9	8	5	5	3
White	5	4	3	2	2	1
Red	4	3	2	2	2	1
Blue	4	3	2	2	2	1
Yellow	4	3	2	2	2	1
Green	4	3	2	2	2	1
Yellow/Green	4	3	2	2	2	1

MOUSER STOCK NO.	Description	Price Per Kit
562-Q2FQK301-127	Q Kit 3	60.04

LTEK Q5-2X & Q5-3X TYPE - DUAL WALL, ADHESIVE LINES, XIBLE POLYOLEFIN 2:1 & 3:1 SHRINK RATIO, COLOR: BLACK

, adhesive lined tubing manufactured by co-extrusion of polyolefin and hot-melt adhesive. Designed to provide insulation and rotection against water and moisture for a wide variety of applications such as automotive harnessing, bundled wires, ship board etal tubes, and many others. Standard color is black but other colors available for special order.

ng Temp: -45°C + 125°C
ink Temp.: 80°C
- UL File No. E236137
- Color: black

c UL us

As Sup.	After Recovered		6" Lengths		Price Per Pkg.		4 Foot Lengths		Price Per Pkg.	
Min. Inside Dia. (mm)	Max Inside Dia. (mm)	Min. Wall Thick (mm)	MOUSER STOCK NO.	Pieces Per Pkg	1	10	MOUSER STOCK NO.	Pieces Per Pkg.	1	10
3.2	1.6	0.70	562-Q52X18-6N28	28	8.77	7.89	562-Q52X18-48N25	25	54.42	48.98
4.8	2.4	0.70	562-Q52X316-6N24	24	9.02	8.12	562-Q52X316-48N25	25	65.30	58.77
6.4	3.2	0.75	562-Q52X14-6N20	20	9.18	8.26	562-Q52X14-48N25	25	79.83	71.85
9.5	4.8	0.75	562-Q52X38-6N16	16	10.02	9.02	562-Q52X38-48N25	25	108.85	97.96
12.7	6.4	0.75	562-Q52X12-6N14	14	13.44	12.10	562-Q52X12-48N5	5	33.39	30.05
19.1	9.5	0.90	562-Q52X34-6N12	12	18.27	16.44	562-Q52X34-48N5	5	52.97	47.67
25.4	12.7	1.10	562-Q52X1-6N8	8	16.32	14.69	562-Q52X1-48N5	5	83.46	75.11
38.1	19.0	1.10	562-Q52X112-6N5	5	19.40	17.46	562-Q52X112-48N5	5	134.98	121.48
3.0	0.6	1.00	562-Q53X18-6N28	28	8.77	7.89	562-Q53X18-48N25	25	54.42	48.98
4.8	1.5	1.10	562-Q53X316-6N24	24	9.02	8.12	562-Q53X31648N25	25	65.30	58.77
6.0	2.0	1.20	562-Q53X14-6N20	20	9.18	8.26	562-Q53X14-48N25	25	79.83	71.85
9.0	3.0	1.30	562-Q53X38-6N16	16	10.02	9.02	562-Q53X38-48N25	25	108.85	97.96
12.0	4.0	1.70	562-Q53X12-6N14	14	13.44	12.10	562-Q53X12-48N5	5	33.39	30.05
19.0	6.0	2.00	562-Q53X34-6N12	12	18.27	16.44	562-Q53X34-48N5	5	52.97	47.67
24.0	8.0	2.20	562-Q53X1-6N8	8	16.32	14.69	562-Q53X1-48N5	5	83.46	75.11
30.0	10.0	2.40	562-Q53X114-6N5	5	14.39	12.95	562-Q53X114-48N5	5	100.14	90.13
40.0	13.0	2.50	562-Q53X112-6N5	5	19.40	17.46	562-Q53X112-48N5	5	134.98	121.48
50.0	19.0	2.50	562-Q53X2-6N3	3	16.71	15.03	562-Q53X2-48N5	5	193.75	174.38

QUALTEK Q-150K TYPE - KYNAR® THIN WALL, HI TEMP.

c UL us

Flame retardant PVDF tubing used for applications requiring high temperature performance.

- Operating Temp: -55°C + 150°C
- Min Shrink Temp.: 135°C
- UL File No E245010

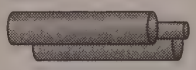
Size (In.)	As Sup. Min. Inside Dia. (mm)	After Recovered Max. Inside Dia. (mm)	After Recovered Min. Wall Thick (mm)	4 Foot Lengths MOUSER STOCK NO.	Pieces Per Pkg.	Price Per Pkg. 1	10
Q-150K 2:1 Shrink Ratio, Black							
3/64	1.2	0.6	0.25	562-Q150K364-48N25	25	63.42	57.08
1/16	1.6	0.8	0.25	562-Q150K116-48N25	25	70.90	63.81
3/32	2.4	1.2	0.25	562-Q150K332-48N25	25	89.56	80.60
1/8	3.2	1.6	0.25	562-Q150K18-48N25	25	108.21	97.39
3/16	4.8	2.4	0.25	562-Q150K316-48N25	25	152.98	137.68
1/4	6.4	3.2	0.3	562-Q150K14-48N25	25	186.55	167.89
3/8	9.5	4.8	0.3	562-Q150K38-48N25	25	283.56	255.20
1/2	12.7	6.4	0.3	562-Q150K12-48N5	5	76.11	68.50
3/4	19.1	9.5	0.43	562-Q150K34-48N5	5	132.83	119.54
1	25.4	12.7	0.48	562-Q150K1-48N5	5	192.53	173.28
1 1/2	38.1	19	0.51	562-Q150K112-48N5	5	388.03	349.23
Q-150K 2:1 Shrink Ratio, Clear							
3/64	1.2	0.6	0.25	562-Q150K364-48N25C	25	63.42	57.08
1/16	1.6	0.8	0.25	562-Q150K116-48N25C	25	70.90	63.81
3/32	2.4	1.2	0.25	562-Q150K332-48N25C	25	89.56	80.60
1/8	3.2	1.6	0.25	562-Q150K18-48N25C	25	108.21	97.39
3/16	4.8	2.4	0.25	562-Q150K316-48N25C	25	152.98	137.68
1/4	6.4	3.2	0.3	562-Q150K14-48N25C	25	186.55	167.89
3/8	9.5	4.8	0.3	562-Q150K38-48N25C	25	283.56	255.20
1/2	12.7	6.4	0.3	562-Q150K12-48N5C	5	76.11	68.50
3/4	19.1	9.5	0.43	562-Q150K34-48N5C	5	132.83	119.54
1	25.4	12.7	0.48	562-Q150K1-48N5C	5	192.53	173.28
1 1/2	38.1	19	0.51	562-Q150K112-48N5C	5	388.03	349.23

RAYCHEM Heat Shrinkable Tubing

RAYCHEM RNF-100

A premium grade flame-retarded polyolefin heat-shrinkable tubing. Outstanding all around performance, excellent physical and electrical performance, good chemical and solvent resistance, flexible

- Shrink ratio: 2:1
- Operating temperature range: -55° to +135°C
- Minimum shrink temperature: +95°C
- Minimum full recovery temperature: +121°C
- Black



E35586 LR31929

48" Lengths

MOUSER STOCK NO.	Raychem Part No.	Size	Price Each				
			1	50	100	250	500
650-RNF100364	RNF-100-3/64-BK-STK	3/64	1.36	1.20	1.12	1.04	.96
650-RNF100116	RNF-100-1/16-BK-STK	1/16	1.39	1.23	1.15	1.06	.98
650-RNF100332	RNF-100-3/32-BK-STK	3/32	1.47	1.30	1.21	1.13	1.04
650-RNF100018	RNF-100-1/8-BK-STK	1/8	1.57	1.39	1.30	1.20	1.11
650-RNF100316	RNF-100-3/16-BK-STK	3/16	1.85	1.69	1.53	1.42	1.32
650-RNF100014	RNF-100-1/4-BK-STK	1/4	2.32	2.11	1.93	1.79	1.65
650-RNF100038	RNF-100-3/8-BK-STK	3/8	2.60	2.36	2.19	2.01	1.83
650-RNF100012	RNF-100-1/2-BK-STK	1/2	2.92	2.66	2.45	2.24	2.10
650-RNF100034	RNF-100-3/4-BK-STK	3/4	3.93	3.58	3.28	3.01	2.81
650-RNF100100	RNF-100-1-BK-STK	1	6.59	5.98	5.49	5.07	4.71
650-RNF100112	RNF-100-1-1/2-BK-STK	1 1/2	13.84	12.59	11.53	10.65	9.89
650-RNF100200	RNF-100-2-BK-STK	2	17.15	15.59	14.29	13.19	12.24
650-RNF100300	RNF-100-3-BK-STK	3	43.20	39.30	35.99	33.26	30.86
650-RNF100400	RNF-100-4-BK-STK	4	57.63	52.37	48.01	44.31	41.19

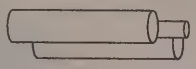
Small Volume Spools

MOUSER STOCK NO.	Raychem Part No.	Size	Length (Ft.)	Per Spool			
				1	3	5	10
650-RNF100364SP	RNF-MINI-SPL-3/64-BK	3/64	100	22.44	20.40	18.70	17.26
650-RNF100116SP	RNF-MINI-SPL-1/16-BK	1/16	75	22.44	20.40	18.70	17.26
650-RNF100332SP	RNF-MINI-SPL-3/32-BK	3/32	65	22.44	20.40	18.70	17.26
650-RNF100018SP	RNF-MINI-SPL-1/8-BK	1/8	60	22.44	20.40	18.70	17.26
650-RNF100316SP	RNF-MINI-SPL-3/16-BK	3/16	50	22.44	20.40	18.70	17.26
650-RNF100014SP	RNF-MINI-SPL-1/4-BK	1/4	40	22.44	20.40	18.70	17.26
650-RNF100038SP	RNF-MINI-SPL-3/8-BK	3/8	35	22.44	20.40	18.70	17.26
650-RNF100012SP	RNF-MINI-SPL-1/2-BK	1/2	30	22.44	20.40	18.70	17.26
650-RNF100034SP	RNF-MINI-SPL-3/4-BK	3/4	25	22.44	20.40	18.70	17.26
650-RNF100100SP	RNF-MINI-SPL-1-BK	1	15	22.44	20.40	18.70	17.26

RAYCHEM RW-175

High temperature and fluid resistant, extra tough, semi-rigid heat-shrinkable tubing. Excellent chemical resistance, 2:1 shrink ratio.

- Shrink ratio: 2:1
- Operating temperature range: -55° to +175°C
- Minimum shrink temperature: +155°C
- Minimum full recovery temperature: +175°C
- Color: Clear



E35586 LR31929

48" Lengths

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Raychem Part No.	Size	Price Each				
			1	5	10	25	50
650-RW175364	RW-175-3/64-X-STK	3/64	2.41	2.19	2.01	1.86	1.72
650-RW175332	RW-175-3/32-X-STK	3/32	4.15	3.77	3.46	3.19	2.98
650-RW175116	RW-175-1/16-X-STK	1/16	4.52	4.11	3.77	3.49	3.24
650-RW175018	RW-175-1/8-X-STK	1/8	3.02	2.74	2.51	2.32	2.15
650-RW175316	RW-175-3/16-X-STK	3/16	4.59	4.17	3.80	3.51	3.24
650-RW175014	RW-175-1/4-X-STK	1/4	5.79	5.28	4.80	4.43	4.09
650-RW175038	RW-175-3/8-X-STK	3/8	7.22	6.58	5.98	5.52	4.85
650-RW175012	RW-175-1/2-X-STK	1/2	10.61	9.67	8.79	8.11	7.11
650-RW175034	RW-175-3/4-X-STK	3/4	19.29	17.60	15.99	14.76	13.62

RAYCHEM NT-MIL

Widely used for insulation, strain relief, and abrasion protection on cable harnesses and wire bundles in the military and aerospace industries. Especially suitable for applications requiring exposure to fluids and solvents at elevated temperatures.

- Shrink ratio: 1.75:1
- Minimum shrink temperature: 90°C
- Minimum full recovery temperature: +135°C
- Color: Black

E35586 LR31929

Small Volume Spools

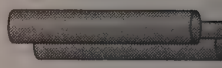
MOUSER STOCK NO.	Raychem Part No.	Size	Length (Ft.)	Per Spool			
				1	3	5	10
650-NTMIL14SP	NT-MIL-1/4-0-SP	1/4	300	334.21	303.83	278.51	257.09
650-NTMIL38SP	NT-MIL-3/8-0-SP	3/8	300	501.04	455.49	417.54	385.42
650-NTMIL12SP	NT-MIL-1/2-0-SP	1/2	300	554.29	503.90	461.91	426.38
650-NTMIL34SP	NT-MIL-3/4-0-SP	3/4	200	461.00	419.09	384.17	354.61
650-NTMIL1SP	NT-MIL-1-0-SP	1	200	623.06	566.42	519.21	479.27

RAYCHEM VERSAFIT

Highly flame-retardant, very flexible. Low-shrink-temperature, polyolefin tubing.

Free of polybrominated biphenyls (PBBs) and polybrominated biphenyl oxides and ethers (PBBOs and PBBEs), which are classified as environmentally hazardous substances.

- Shrink ratio: 2:1
- Operating temperature range: -55° to +135°C
- Minimum shrink temperature: 70°C
- Minimum full recovery temperature: 90°C
- Color: Black



E35586 LR31929

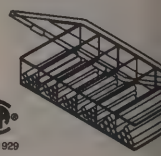
Small Volume Spools

MOUSER STOCK NO.	Raychem Part No.	Size	Len (Ft.)	Per Spool			
				1	3	5	
650-VER364SP	VERSAFIT-MINI-SPL-3/64-BK	3/64	100	22.44	20.40	18.70	
650-VER116SP	VERSAFIT-MINI-SPL-1/16-BK	1/16	75	22.44	20.40	18.70	
650-VER332SP	VERSAFIT-MINI-SPL-3/32-BK	3/32	65	22.44	20.40	18.70	
650-VER018SP	VERSAFIT-MINI-SPL-1/8-BK	1/8	60	22.44	20.40	18.70	
650-VER316SP	VERSAFIT-MINI-SPL-3/16-BK	3/16	50	22.44	20.40	18.70	
650-VER014SP	VERSAFIT-MINI-SPL-1/4-BK	1/4	40	22.44	20.40	18.70	
650-VER038SP	VERSAFIT-MINI-SPL-3/8-BK	3/8	35	22.44	20.40	18.70	
650-VER012SP	VERSAFIT-MINI-SPL-1/2-BK	1/2	30	22.44	20.40	18.70	
650-VER034SP	VERSAFIT-MINI-SPL-3/4-BK	3/4	25	22.44	20.40	18.70	
650-VER100SP	VERSAFIT-MINI-SPL-1-BK	1	15	22.44	20.40	18.70	

RAYCHEM VERSAFIT KITS AND REFILLS

Versafit Kit 1

Contents:
- 30pcs. 3/16" Black-fits 18-14 AWG
- 28pcs. 1/4" Black-fits 12-10 AWG
- 24pcs. 3/8" Black-fits 8 AWG
- 20pcs. 1/2" Black-fits 6-3 AWG
- 14pcs. 3/4" Black-fits 2-1/0 AWG
- 10pcs. 1" Black-fits 2/0-4/0 AWG



2 to 1 shrink ratio. Rated for 1000V, 125°C VW1 for dry application insulation and strain-relief.

E35586 LR31929

For quantities of 10 and up, call for

MOUSER STOCK NO.	Raychem Part No.	Description	Price
650-KIT1	VERSAFIT-KIT-1-0	Asst. sizes, 126 Pieces-Black only	61

Colors: Black

For quantities of 10 and up, call for

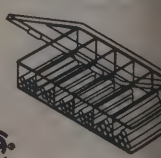
MOUSER STOCK NO.	Raychem Part No.	Size	Length	Price
650-KIT4	VERSAFIT-KIT-4-0	3/16, 1/4, 3/8, 1/2, 3/4, 1	3 X 6"	7.
650-KIT6	VERSAFIT-KIT-6-0	3/64, 1/16, 3/32, 1/8	4 X 6"	7.

Kit-1 Refills - Versafit - 6" Cut Pieces in Bag, Black

MOUSER STOCK NO.	Raychem Part No.	Size	No. of Pcs.	Price Each				
				1	50	100	250	
650-VER316B	VERSAFIT-3/16-KT1-REFIL	3/16	30	7.65	6.95	6.38	5.88	
650-VER014B	VERSAFIT-1/4-KT1-REFIL	1/4	28	7.65	6.95	6.38	5.88	
650-VER038B	VERSAFIT-3/8-KT1-REFIL	3/8	24	7.65	6.95	6.38	5.88	
650-VER012B	VERSAFIT-1/2-KT1-REFIL	1/2	20	7.65	6.95	6.38	5.88	
650-VER034B	VERSAFIT-3/4-KT1-REFIL	3/4	14	7.65	6.95	6.38	5.88	
650-VER100B	VERSAFIT-1-KT1-REFIL	1	10	7.65	6.95	6.38	5.88	

Versafit Kit 2

Contents:
- 35pcs. 3/32" 5 each of 7 colors-fits 18 AWG
- 28pcs. 1/8" 4 each of 7 colors-fits 16 AWG
- 21pcs. 3/16" 3 each of 7 colors-fits 14 AWG
- 21pcs. 1/4" 3 each of 7 colors-fits 12-10 AWG
- 14pcs. 3/8" 2 each of 7 colors-fits 8 AWG
- 14pcs. 1/2" 2 each of 7 colors-fits 6-3 AWG



2 to 1 shrink ratio. Rated for 1000V, 125°C VW1 for dry application insulation and strain-relief.

E35586 LR31929

Colors: Blue, Black, Clear, Green, Red, White, Yellow

For quantities of 10 and up, call for

MOUSER STOCK NO.	Raychem Part No.	Description	Price
650-KIT2	VERSAFIT-KIT-2-0	Asst. sizes, 133 Pieces- Asst. colors	65.

Kit-2 Refills - Versafit - 6" Cut Pieces in Bag, Assorted Colors

Colors: Blue, Black, Clear, Green, Red, White, Yellow

MOUSER STOCK NO.	Raychem Part No.	Size	No. of Pcs.	Price Each				
				1	50	100	250	
650-VER332C	VERSAFIT-3/32-KT2-REFIL	3/32	35	7.65	6.95	6.38	5.88	
650-VER018C	VERSAFIT-1/8-KT2-REFIL	1/8	28	7.65	6.95	6.38	5.88	
650-VER316C	VERSAFIT-3/16-KT2-REFIL	3/16	21	7.65	6.95	6.38	5.88	
650-VER014C	VERSAFIT-1/4-KT2-REFIL	1/4	21	7.65	6.95	6.38	5.88	
650-VER038C	VERSAFIT-3/8-KT2-REFIL	3/8	14	7.65	6.95	6.38	5.88	
650-VER012C	VERSAFIT-1/2-KT2-REFIL	1/2	14	7.65	6.95	6.38	5.88	

CHEM DUAL WALL /4 CLASS 2

e-lined, flexible, polyolefin tubing.

nd protects simple in-line splices, bimetallic joints, and components from fluids, moisture, and corrosion. damaged wire insulation, especially where flexibility is required. Provides one-step electrical insulation and e sealing.

ications:
k ratio: 2:1
ating temperature range: -55° to +135°C
num shrink temperature: +95°C
num full recovery temperature: +121°C
: Black

E85381

- Type, 48" Lengths

MOUSER TOCK NO.	Raychem Part No.	Size	Price Each				
			1	2	5	10	25
TAT125018	TAT-125-1/8-0-STK	1/8	4.59	4.17	3.83	3.53	3.28
TAT125316	TAT-125-3/16-0-STK	3/16	5.57	5.08	4.66	4.30	4.07
TAT125014	TAT-125-1/4-0-STK	1/4	7.00	6.37	5.83	5.38	4.99
TAT125038	TAT-125-3/8-0-STK	3/8	7.80	7.09	6.50	6.00	5.57
TAT125012	TAT-125-1/2-0-STK	1/2	9.70	8.82	8.09	7.46	6.93
TAT125034	TAT-125-3/4-0-STK	3/4	15.90	15.46	13.25	12.23	11.36
TAT125100	TAT-125-1-0-STK	1	19.30	17.55	16.10	14.84	13.79
TAT125112	TAT-125-1-1/2-0-STK	1 1/2	34.30	31.19	28.59	26.39	24.50

CHEM DUAL WALL /4 CLASS 3

semi-flexible, general purpose adhesive-lined, moisture proof heat-shrinkable tubing. Provides excellent mental sealing, high strength bonding, operating temperature -55°C to +110°C.

fications:
k ratio: 3:1
rating temperature range: -55° to +110°C
mum shrink temperature: +80°C
mum full recovery temperature: +110°C
r: Black

E85381

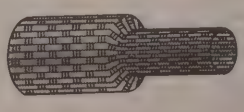
Lengths

MOUSER TOCK NO.	Raychem Part No.	Size (In.)	Price Each				
			1	2	5	10	25
ATUM31	ATUM-3/1-0-STK	1/8	10.19	9.27	8.50	7.85	7.28
ATUM62	ATUM-6/2-0-STK	1/4	15.51	14.10	12.92	11.92	11.09
ATUM93	ATUM-9/3-0-STK	3/8	17.12	15.57	14.27	13.17	12.23
ATUM124	ATUM-12/4-0-STK	1/2	10.00	9.09	8.33	7.69	7.14
ATUM196	ATUM-19/6-0-STK	3/4	13.99	12.71	11.68	10.80	10.01
ATUM248	ATUM-24/8-0-STK	1	39.74	36.13	33.12	30.57	28.39
ATUM4013	ATUM-40/13-0-STK	1 1/2	65.11	59.18	54.25	50.10	46.51

YCHEM HEAT SHRINKABLE FABRIC

00 products are made of very flexible heat-shrinkable fabric material. Heated above 110°C, they shrink to fit and securely around the underlying substrate. Designed primarily to provide mechanical abrasion protection nponents such as rubber hoses, plastic pipes, and harness wiring bundles, they are also suitable for other ations, such as noise and rattle suppression.

ifications:
nk ratio: 2:1
p material: Polyester
t material: Irradiated, modified polyolefin
ding: Modified polyolefin
or: Black



ures:
ly flexible woven fabric tubing
ethylene/polyester construction
xcellent abrasion resistance
shrink temperature

OUSER OCK NO.	Raychem Part No.	Shrink Ratio	Spool (M.)	Price Each				
				1	2	5	10	25
HFT126	HFT-5000-12/6-0-SP	12/6	500	809.28	783.99	758.70	733.41	708.12
HFT2010	HFT-5000-20/10-0-SP	20/10	400	776.90	752.62	728.34	704.06	679.78
HFT3015	HFT-5000-30/15-0-SP	30/15	400	951.68	921.94	892.20	862.46	832.72
HFT4020	HFT-5000-40/20-0-SP	40/20	300	864.29	837.28	810.27	783.26	756.25
HFT5025	HFT-5000-50/25-0-SP	50/25	200	705.70	683.64	661.59	639.54	617.48
HFT6030	HFT-5000-60/30-0-SP	60/30	200	767.20	743.23	719.25	695.28	671.30
HFT7035	HFT-5000-70/35-0-SP	70/35	150	791.47	766.74	742.01	717.27	692.54

RAYCHEM DURASEAL WIRE SPLICES

DuralSeal devices provide a tough, environmentally sealed wire connection. Their crimp barrel or terminal, encased in rugged, heat shrinkable nylon tubing lined with a special hot-melt adhesive, resists damage from abrasions and cuts.

Features:
- Resistance to moisture and abrasion
- Strain relief
- Protection from wire pull-out
- Easy installation

1pc. Crimp Splice with Tubing

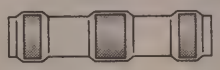
For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Raychem Part No.	Size AWG	Price Each				
			1	100	500	1000	5000
650-D4060001	D-406-0001	22-18	.46	.43	.38	.35	.33
650-D4060002	D-406-0002	16-14	.46	.43	.38	.35	.33
650-D4060003	D-406-0003	12-10	.63	.58	.53	.48	.45

RAYCHEM SOLDER SLEEVES

Raychem's SolderSleeve heat-shrinkable wire and cable interconnection devices are a labor-saving alternative to conventional wire and cable termination methods such as craft-sensitive, time-consuming hand soldering or crimping.

Features:
- Controlled soldering with high level of sealing
- Strain relief
- Insulation
- Easy one step installation
- Application from 125°C to 260°C
- NAS, MIL-SPEC, and UL approvals



150C Mil-Spec 83519 Qualified

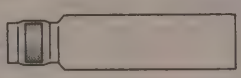
MOUSER STOCK NO.	Raychem Part No.	Inner Dia. Min.	Shield Dia. Min.	Price Each				
				1	50	100	250	500
650-S0101R	S01-01-R	.075"	.035"	2.44	2.22	2.03	1.88	1.74
650-S0102R	S01-02-R	.105"	.055"	2.40	2.18	2.01	1.85	1.72
650-S0103R	S01-03-R	.170"	.085"	2.54	2.31	2.12	1.95	1.82
650-S0104R	S01-04-R	.235"	.130"	3.03	2.75	2.52	2.33	2.17
650-S0105R	S01-05-R	.275"	.170"	3.51	3.19	2.92	2.70	2.50

125C (Commercial shield term w/lead)

MOUSER STOCK NO.	Raychem Part No.	Inner Dia. Min.	Shield Dia. Min.	Price Each				
				1	50	100	250	500
650-CWT3122	CWT-3-W122-5	.098"	.059"	.99	.90	.83	.76	.70
650-CWT5122	CWT-5-W122-5	.169"	.079"	1.00	.92	.85	.77	.71
650-CWT7122	CWT-7-W122-5	.252"	.130"	1.09	.99	.90	.84	.77

Solder Splicing Sleeves (For wire to wire splices)

MOUSER STOCK NO.	Raychem Part No.	Wire Jacket O.D. (mm)		Price Each				
		Min.	Max.	1	50	100	250	500
650-CWT9001	CWT-9001	0.4	1.7	.39	.36	.33	.30	.27
650-CWT9002	CWT-9002	1.3	2.7	.43	.39	.36	.33	.30
650-CWT9003	CWT-9003	1.8	4.5	.44	.40	.37	.34	.31



Solder Terminating Sleeves (For wire to pin termination)

MOUSER STOCK NO.	Raychem Part No.	Wire to Pin Sz. (AWG)	Wire to Tab Sz. (AWG)	Price Each				
				1	50	100	250	500
650-CWT1501	CWT-1501	24-20	24-20	.23	.21	.20	.19	.17
650-CWT1502	CWT-1502	24-18	24-18	.24	.22	.21	.20	.18
650-CWT1503	CWT-1503	22-20	24-18	.25	.24	.21	.19	.18

FP-301 FLEXIBLE POLYOLEFIN SHRINKABLE TUBING

- Shrink ratio: 2:1
- Shrink temperature: 100°C min.
- Temperature range: -55°C to +135°C
- Meets MIL-DTL-23053/5 Class 1&2
- Longitudinal shrinkage: <5%
- High resistance to solvents, acids, and alkalis
- Cross-linked polyolefin

Replace the blank in the Mouser Stock No. with: **1** for **Black**, **2** for **Blue**, **3** for **Clear**, **4** for **Red**, **5** for **White**, **6** for **Yellow**, **7** for **Green**

PRECUT 4' LENGTHS					
MOUSER STOCK NO.	Expanded I.D. (In.)	Price Per 4' Length 1	5	10	25
* 5174-1364__	3/64	.62	.56	.51	.47
5174-1116__	1/16	.63	.57	.52	.48
5174-1332__	3/32	.67	.61	.55	.51
5174-118__	1/8	.72	.66	.60	.54
5174-1316__	3/16	.88	.80	.72	.66
5174-114__	1/4	1.09	1.00	.90	.92
5174-138__	3/8	1.22	1.11	1.01	.92
5174-112__	1/2	1.38	1.25	1.14	1.04
5174-134__	3/4	1.84	1.67	1.52	1.38
5174-1100__	1	2.75	2.50	2.27	2.06
5174-1112__	1 1/2	5.33	4.85	4.41	4.01
* 5174-1200__	2	8.72	7.93	7.20	6.55
* 5174-1300__	3	22.89	19.08	14.12	11.75
* 5174-1400__	4	32.10	26.75	19.80	16.48

* Available in clear and black only

Small Reel: Replace blank with **5** for **Black**, **6** for **Clear**
Large Reel: Black is available from stock.
Replace blank with: **BK** for **Black**, **R** for **Red**, **Y** for **Yellow**, **W** for **White**, **BU** for **Blue**, **C** for **Clear**

For quantities of 2 and up, call for quote.

SMALL REEL				LARGE REEL			
MOUSER STOCK NO.	Expanded I.D. (In.)	Reel Lth. (Ft.)	Price Per Reel	MOUSER STOCK NO.	Expanded I.D. (In.)	Reel Lth. (Ft.)	Price Per Reel
517-5__01	3/64	100	17.74	517-301364__/REEL	3/64	1000	155.03
517-5__02	1/16	100	18.63	517-301116__/REEL	1/16	1000	157.80
517-5__03	3/32	100	18.63	517-301332__/REEL	3/32	500	117.92
517-5__04	1/8	100	20.89	517-301018__/REEL	1/8	500	90.15
517-5__05	3/16	100	23.68	517-301316__/REEL	3/16	250	58.08
517-5__06	1/4	100	30.41	517-301014__/REEL	1/4	200	54.75
*517-5507	3/8	100	34.62	517-301038__/REEL	3/8	200	61.15
517-5__08	1/2	100	40.67	517-301012__/REEL	1/2	200	68.94
*517-5509	3/4	50	27.13	517-301034__/REEL	3/4	200	91.93
*517-5510	1	50	37.52	517-301100__/REEL	1	100	68.69
*517-5511	1 1/2	50	73.49	517-301112__/REEL	1 1/2	100	146.78
*517-5512	2	50	111.25	517-301200__/REEL	2	100	202.81
---	3	---	---	517-301300__/REEL	3	50	189.34
---	4	---	---	517-301400__/REEL	4	50	265.51

* Available from stock in black only

FP-301 FLEXIBLE POLYOLEFIN SHRINKABLE TUBING KIT

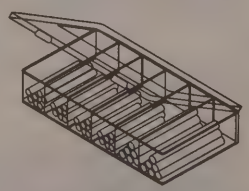
These heat shrink tubing kits are available in assorted colors or black. Each plastic box has a large selection of popular sizes and colors in 6" lengths. Assorted colors include black, red, white, yellow, blue, green, and clear.

MOUSER STOCK NO.	Size (In.)	Pkg. Qty.	Color	Price Each Kit
517-5100	3/32 - 1/2	133	Assorted	60.04
517-5200	3/16 - 1	102	Black	60.04

Features:
- Shrink ratio: 2:1
- Shrink temperature: 100°C min.
- Operating temperature: -55°C to +135°C
- Longitudinal shrinkage: <5%

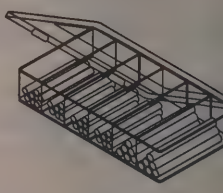
Reels are also available with a typical 1 to 2 week leadtime.

6" Refills for FP-301 Kits				
MOUSER STOCK NO.	Size (In.)	Pkg. Qty.	Color	Price Per Pkg.
517-5201	3/64 - 3/16	30	Black	8.08
517-5101	3/32	35	Assorted	8.08
517-5102	1/8	28	Assorted	8.08
517-5103	3/16	21	Assorted	8.08
517-5203	3/16	30	Black	8.08
517-5202	1/4 - 3/4	16	Black	8.08
517-5104	1/4	21	Assorted	8.08
517-5204	1/4	26	Black	8.08
517-5105	3/8	14	Assorted	8.08
517-5205	3/8	24	Black	8.08
517-5106	1/2	14	Assorted	8.08
517-5206	1/2	20	Black	8.08
517-5207	3/4	14	Black	8.08
517-5208	1	10	Black	8.08



EPS-300 ADHESIVE LINED POLYOLEFLIN HEAT-SHRINK TUBING KIT

Flexible bond with a wide variety of rubbers, plastics and metals. EPS-300 offers superb environmental protection for electronic components, wire splices, wire bundles, and harness breakouts. The tubing is made from flame-retardant, flexible polyolefin with an internal layer of special thermoplastic adhesive.

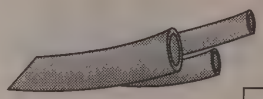


- Shrink ratio: 3:1
- Shrink temperature: 121°C min.
- Operating temperature: -55°C to +110°C
- Longitudinal shrinkage: <15%

MOUSER STOCK NO.	Size (In.)	Pkg. Qty.	Color	Price Each Kit
517-5300	1/2, 3/4, 1	42	Red/Black	103.62

6" Refills for EPS-300 Kits							
MOUSER STOCK NO.	Size (In.)	Pkg. Qty.	Color	Price Per Package 1	5	10	2
517-5307	3/16	24	Black	26.21	23.79	21.51	20
517-5308	1/4	20	Black	26.21	23.79	21.51	20
517-5309	3/8	16	Black	26.21	23.79	21.51	20
517-5301	1/2	14	Red	26.21	23.79	21.51	20
517-5302	1/2	14	Black	26.21	23.79	21.51	20
517-5303	3/4	12	Red	26.21	23.79	21.51	20
517-5304	3/4	12	Black	26.21	23.79	21.51	20
517-5306	1	8	Black	26.21	23.79	21.51	20

EPS-300 ADHESIVE LINED POLYOLEFLIN HEAT-SHRINK TUBING



Features:
- Shrink ratio: 3:1
- Shrink temperature: 121°C min
- Temperature range: -55°C to +110°C
- Longitudinal shrinkage: <15%
- Tensile strength: 2100 PSI
- Dielectric strength: 700 V/mil

PRECUT 4' LENGTHS					
MOUSER STOCK NO.	Size	Color	Price Per 4' Leng 1	12	
5174-348316	3/16	Black	7.35	5.96	5
5174-348014	1/4	Black	7.95	6.48	6
5174-348038	3/8	Black	9.64	8.77	7
			1	5	
5174-348012	1/2	Black	11.26	10.24	9
5174-348034	3/4	Black	13.47	12.24	11
5174-348100	1	Black	19.92	18.11	16

VFP-876 VERY FLEXIBLE SHRINKABLE TUBING

Ideal for shrink-fit jacketing and insulation of flexible wire bundles and sensitive components.

- Shrink ratio: 2:1
- Shrink temperature: 121°C min.
- Temperature range: -55°C to +135°C
- Longitudinal shrinkage: <5%
- Reels available upon request with a typical 1-2 week lead time.

6" Lengths

Available in Black Only

For quantities of 25 and up, call for q

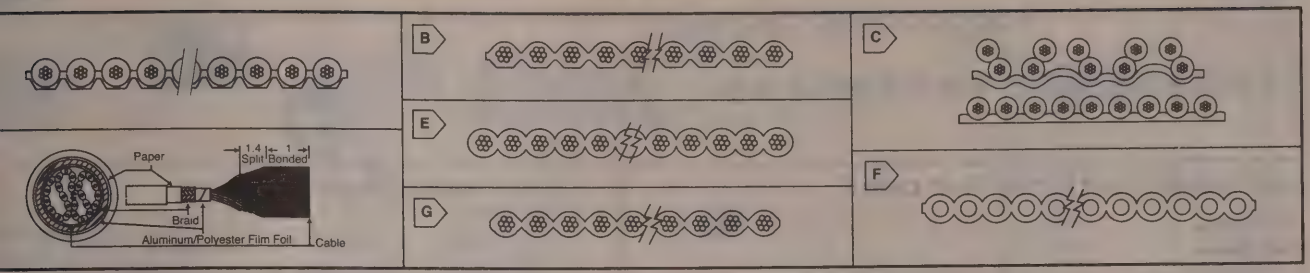
MOUSER STOCK NO.	No. Per Package	Expanded I.D. (In.)	Price Per Pkg 1	5
517-6001	38	1/16	7.53	7.30
517-6002	36	3/32	7.53	7.30
517-6003	34	1/8	7.53	7.30
517-6015	30	3/16	7.53	7.30
517-6005	26	1/4	7.53	7.30
517-6006	24	3/8	7.53	7.30
517-6007	20	1/2	7.53	7.30
517-6008	14	3/4	7.53	7.30
517-6009	10	1	7.53	7.30

Precut 4' Lengths

Available in Black Only

For quantities of 25 and up, call for q

MOUSER STOCK NO.	Expanded I.D. (In.)	Price Each 1	5	10
5174-31161	1/16	1.98	1.77	1.59
5174-33321	3/32	2.10	1.87	1.51
5174-3181	1/8	2.25	2.02	1.82
5174-33161	3/16	2.74	2.19	1.57
5174-3141	1/4	2.62	2.09	1.50
5174-3381	3/8	3.83	3.07	2.20
5174-3121	1/2	4.33	3.46	2.48
5174-3341	3/4	5.78	4.62	3.31
5174-31001	1	8.62	6.89	4.94



' ROUND CONDUCTOR FLAT CABLE

cations:
'G Stranded
Free
Termination
ion material: Polyvinyl Chloride (PVC)

- Color: Gray
- Conductors: Tinned stranded copper
- Voltage rating: 300V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW-1
- Red marking on one edge of cable designates wire #1

Series

e Foot — **By the 100 ft. Reel**

OUSER OCK NO.	Fig.	No. of Cond.	Price Per Foot 1	10	25	MOUSER STOCK NO.	Price Per 100' Spool
365/9FT	A	9	.65	.61	.58	517-3365/9	20.94
365/10FT	A	10	.72	.67	.64	517-3365/10	23.25
365/14FT	A	14	1.01	.94	.89	517-3365/14	32.51
365/15FT	A	15	1.08	1.01	.96	517-3365/15	34.87
365/16FT	A	16	1.15	1.08	1.02	517-3365/16	37.16
365/20FT	A	20	1.44	1.35	1.28	517-3365/20	46.46
365/25FT	A	25	1.80	1.68	1.60	517-3365/25	58.07
365/26FT	A	26	1.87	1.75	1.66	517-3365/26	60.39
365/34FT	A	34	2.45	2.29	2.17	517-3365/34	78.97
- - - - -	A	37	- - -	- - -	- - -	517-3365/37	85.95
365/40FT	A	40	2.88	2.69	2.36	517-3365/40	92.92
365/50FT	A	50	3.60	3.37	2.56	517-3365/50	116.13
365/60FT	A	60	4.32	4.04	3.19	517-3365/60	139.36
365/64FT	A	64	4.61	4.31	3.83	517-3365/64	148.64

" COLOR CODED FLAT CABLE

asier Wire Indentification)

ications:
VG Stranded
Termination
ation material: Polyvinyl Chloride (PVC)

- Color: 10 color repeat; clear carrier
- Conductors: Tinned stranded copper
- Voltage rating: 300V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW-1

Series

e Foot — **By the 100 ft. Reel**

OUSER OCK NO.	Fig.	No. of Cond.	Price Per Foot 1	10	25	MOUSER STOCK NO.	Price Per 100' Spool
3302/9FT	B	9	.95	.89	.84	517-3302/9	30.60
3302/10FT	B	10	1.05	.99	.94	517-3302/10	34.00
3302/14FT	B	14	1.48	1.38	1.31	517-3302/14	47.60
3302/16FT	B	16	1.69	1.58	1.50	517-3302/16	54.40
3302/20FT	B	20	2.11	1.97	1.87	517-3302/20	68.00
3302/25FT	B	25	2.64	2.47	2.34	517-3302/25	85.00
3302/26FT	B	26	2.74	2.56	2.43	517-3302/26	88.40
3302/34FT	B	34	3.58	3.35	3.18	517-3302/34	115.60
3302/37FT	B	37	3.90	3.65	3.46	517-3302/37	125.80
3302/40FT	B	40	4.22	3.94	3.74	517-3302/40	136.00
3302/50FT	B	50	5.27	4.93	4.68	517-3302/50	170.00
3302/60FT	B	60	6.32	5.92	5.61	517-3302/60	204.00

.050" TWISTED PAIR FLAT CABLE

(For Reduced Crosstalk)

E42768

Specifications:

- 28 AWG Stranded
- Mass Termination
- Insulation material: Polyvinyl Chloride (PVC)
- Color: 10 color repeat with Tan common
- Conductors: Tinned stranded copper
- Voltage rating: 300V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW-1

1700 Series

By the Foot — **By the 100 ft. Reel**

MOUSER STOCK NO.	Fig.	No. of Cond.	Price Per Foot 1	10	25	MOUSER STOCK NO.	Price Per 100' Spool
517-1700/10FT	C	10	1.08	1.01	.96	517-1700/10	34.80
- - - - - - - - -	C	14	- - -	- - -	- - -	517-1700/14	48.72
517-1700/16FT	C	16	1.73	1.61	1.53	517-1700/16	55.68
517-1700/26FT	C	26	2.80	2.62	2.49	517-1700/26	90.48
517-1700/34FT	C	34	3.67	3.43	3.25	517-1700/34	118.32
517-1700/36FT	C	36	3.88	3.63	3.45	517-1700/36	125.28
517-1700/40FT	C	40	4.32	4.04	3.83	517-1700/40	139.20
517-1700/50FT	C	50	5.39	5.05	4.79	517-1700/50	174.00
517-1700/60FT	C	60	6.47	6.06	5.74	517-1700/60	208.80
517-1700/64FT	C	64	6.90	6.46	6.12	517-1700/64	222.72

.050" ROUND, SHIELDED/JACKETED FLAT CABLE

(For EMI/ESD Protection)

Specifications:

- 28 AWG Stranded
- Splice Free
- Mass Termination
- PVC/PVC
- Jacket material: Black Polyvinyl Chloride (PVC)
- Primary material: Gray Polyvinyl Chloride (PVC)
- Conductors: Tinned stranded copper
- Voltage rating: 300V
- Temperature rating: -20°C to +80°C
- Flammability rating: USA: N.E.C. 725, CL2

3659 Series

By the Foot — **By the 100 ft. Reel**

MOUSER STOCK NO.	Fig.	No. of Cond.	Price Per Foot 1	10	25	MOUSER STOCK NO.	Price Per 100' Spool
517-3659/9FT	D	9	3.46	3.23	3.07	517-3659/9	111.46
517-3659/10FT	D	10	3.62	3.38	3.21	517-3659/10	116.70
517-3659/14FT	D	14	3.93	3.68	3.49	517-3659/14	126.82
517-3659/15FT	D	15	4.09	3.83	3.63	517-3659/15	131.90
517-3659/20FT	D	20	4.40	4.12	3.91	517-3659/20	142.04
517-3659/25FT	D	25	4.87	4.55	4.32	517-3659/25	156.94
517-3659/26FT	D	26	5.03	4.71	4.46	517-3659/26	162.32
517-3659/34FT	D	34	5.66	5.30	5.02	517-3659/34	182.62
517-3659/37FT	D	37	5.98	5.59	5.30	517-3659/37	192.76
517-3659/40FT	D	40	6.38	5.97	5.66	517-3659/40	205.75
517-3659/50FT	D	50	7.08	6.62	6.28	517-3659/50	228.26

5" ROUND CONDUCTOR FLAT BLE

WG
Termination
ts the SCSI-3 characteristic
dance requirements
ation material: Thermoplastic
tomer (TPE)

- Color: Gray
- Conductors: Tinned copper
- Voltage rating: 150V
- Temperature rating: -40°C to +105°C
- Flammability rating: USA: VW-1
- Blue marking on one edge of cable designates wire #1

Series, Stranded Copper

MOUSER TOCK NO.	Fig.	No. of Cond.	Price Per 100' Spool
3756/26	E	26	76.20
3756/34	E	34	99.64
3756/40	E	40	117.22
3756-50	E	50	146.52
3756/60	E	60	175.84
3756/68	E	68	199.28
3756/80	E	80	234.44
3756/100	E	100	293.06

) Series, Solid Copper

3749/20	F	20	49.86
3749/26	F	26	64.92
3749/36	F	36	89.78
3749/40	F	40	99.88
3749/50	F	50	124.86
3749/60	F	60	149.84
3749/68	F	68	169.58
3749/80	F	80	199.50
3749/100	F	100	249.38

.025" ROUND CONDUCTOR FLAT CABLE

Specifications:

- 30 AWG Stranded
- Mass Termination
- Insulation material: Polyvinyl Chloride (PVC)
- Color: Gray
- Conductors: Tinnned stranded copper
- Voltage rating: 30V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW-1
- Recommended for use with Pak 25 Sockets

3754 Series — **For quantities of 5 and up, call for quote.**

MOUSER STOCK NO.	Fig.	No. of Cond.	Price Per 300' Spool
517-3754/20-300	E	20	116.07
517-3754/26-300	E	26	150.87
517-3754/30-300	E	30	174.09
517-3754/34-300	E	34	197.30
517-3754/36-300	E	36	208.95
517-3754/40-300	E	40	232.15
517-3754/50-300	E	50	165.36
517-3754/52-300	E	52	301.79
517-3754/60-300	E	60	348.17
517-3754/68-300	E	68	394.60
517-3754/80-300	E	80	464.25

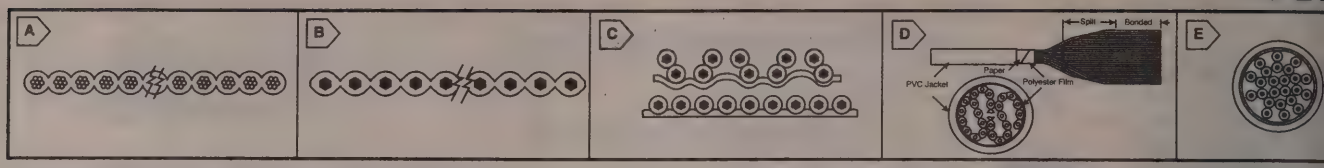
.050" ROUND CONDUCTOR FLAT CABLE

Specifications:

- 28 AWG Stranded
- Mass Termination
- Insulation material: Halogen Free Polyolefin (PO)
- Color: Off-White
- Conductors: Tinned stranded copper
- Voltage rating: 30V
- Temperature rating: -40°C to +105°C
- Flammability rating: UL: Horizontal IEC 332-1, -2, & -3

2010 Series — **For quantities of 5 and up, call for quote.**

MOUSER STOCK NO.	Fig.	No. of Cond.	Price Per 100' Spool
517-2010/9	G	9	33.84
517-2010/10	G	10	37.60
517-2010/14	G	14	52.64
517-2010/15	G	15	56.40
517-2010/16	G	16	60.16
517-2010/20	G	20	75.20
517-2010/25	G	25	94.00
517-2010/26	G	26	97.76
517-2010/34	G	34	127.84
517-2010/40	G	40	150.40
517-2010/50	G	50	188.00
517-2010/60	G	60	225.60



.050" ROUND CONDUCTOR FLAT CABLE

3801 Series

Specifications:

- 26 AWG Stranded
- Insulation material: Polyvinyl Chloride (PVC)
- Color: Gray
- Conductors: Tinned stranded copper
- Voltage rating: 300V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW-1

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cond.	Price Per 100' Spool
517-3801/09	3801/09	A	9	25.44
517-3801/10	3801/10	A	10	27.16
517-3801/14	3801/14	A	14	38.02
517-3801/16	3801/16	A	16	43.44
517-3801/18	3801/18	A	18	48.58
517-3801/20	3801/20	A	20	54.32
517-3801/24	3801/24	A	24	68.04
517-3801/25	3801/25	A	25	70.62
517-3801/26	3801/26	A	26	70.62
517-3801/34	3801/34	A	34	92.34
517-3801/36	3801/36	A	36	97.76
517-3801/37	3801/37	A	37	104.50
517-3801/40	3801/40	A	40	108.64
517-3801/50	3801/50	A	50	135.80
517-3801/60	3801/60	A	60	169.46

9965 Series

Specifications:

- Insulation material: Polyvinyl Chloride (PVC)
- Color: Gray
- Conductors: 28 AWG Tinned Stranded Copper
- Voltage rating: 300 V
- Temperature rating: -20°C to +105°C
- Flammability rating: VW-1
- Mass termination to a broad line of IDC connectors
- Provides flexibility and extended product life
- Zippable for branching or discrete termination
- Compatible with most .100" IDC Connectors
- Red marking on one edge of cable designates wire no. 1

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cond.	Price Per 300' Spool
517-9965/06-300	9965/06 300'	A	6	17.97
517-9965/08-300	9965/08 300'	A	8	23.96
517-9965/09-300	9965/09 300'	A	9	26.96
517-9965/10-300	9965/10 300'	A	10	29.95
517-9965/14-300	9965/14 300'	A	14	41.93
517-9965/15-300	9965/15 300'	A	15	44.93
517-9965/16-300	9965/16 300'	A	16	47.92
517-9965/20-300	9965/20 300'	A	20	59.90
517-9965/24-300	9965/24 300'	A	24	71.88
517-9965/25-300	9965/25 300'	A	25	74.88
517-9965/26-300	9965/26 300'	A	26	77.88
517-9965/30-300	9965/30 300'	A	30	89.86
517-9965/34-300	9965/34 300'	A	34	101.84
517-9965/40-300	9965/40 300'	A	40	119.81
517-9965/50-300	9965/50 300'	A	50	149.76
517-9965/60-300	9965/60 300'	A	60	179.71
517-9965/64-300	9965/64 300'	A	64	191.69

.050" HIGH FLEX LIFE CABLE

Specifications:

- 28 AWG Stranded
- Flex life of 100 million cycles at 1 3/4 inch dia.
- Insulation material: Polyvinyl Chloride (PVC)
- Insulation color: Black
- Conductors: Silver plated stranded copper alloy
- Voltage rating: 300V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW-1

3319 Series

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cond.	Price Per 100' Spool
517-3319/09	3319/09	B	9	203.11
517-3319/10	3319/10	B	10	225.68
517-3319/14	3319/14	B	14	303.80
517-3319/15	3319/15	B	15	338.52
517-3319/16	3319/16	B	16	347.20
517-3319/20	3319/20	B	20	449.47
517-3319/24	3319/24	B	24	520.80
517-3319/25	3319/25	B	25	542.50
517-3319/26	3319/26	B	26	564.20
517-3319/30	3319/30	B	30	651.00
517-3319/34	3319/34	B	34	767.31
517-3319/36	3319/36	B	36	812.45
517-3319/37	3319/37	B	37	835.02
517-3319/40	3319/40	B	40	894.82
517-3319/50	3319/50	B	50	1085.00
517-3319/60	3319/60	B	60	1302.00
517-3319/64	3319/64	B	64	1444.31

.050" TWISTED PAIR FLAT CABLE

Specifications:

- 28 AWG Stranded
- Mass Termination
- Voltage rating: 150V
- Insulation material: Halogen Free Polyolefin (PO)
- Conductors: Tinned stranded copper
- Color: Blue / Off-white pairs
- Temperature rating: -40°C to +80°C
- Flammability rating: USA: UL VW-1

2100 Series

For quantities of 5 and up, call for

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cond.	Price Per 30 Meter Spool
517-2100/10TP	2100/10TP	C	10	97.35
517-2100/14TP	2100/14TP	C	14	136.29
517-2100/16TP	2100/16TP	C	16	155.75
517-2100/20TP	2100/20TP	C	20	194.69
517-2100/26TP	2100/26TP	C	26	253.10
517-2100/34TP	2100/34TP	C	34	330.97
517-2100/40TP	2100/40TP	C	40	389.37
517-2100/50TP	2100/50TP	C	50	486.72
517-2100/60TP	2100/60TP	C	60	584.07
517-2100/64TP	2100/64TP	C	64	623.01

.050" ROUND, JACKETED, FLAT CABLE

Specifications:

- 28 AWG Stranded
- Mass Termination
- PVC/PVC
- Conductor: Tinned stranded copper
- Jacket material: Polyvinyl Chloride (PVC)
- Jacket color: Black
- Primary material: Polyvinyl Chloride (PVC)
- Primary color: Gray
- Voltage rating: 300V
- Temperature rating: -20°C to +80°C
- Flammability rating: USA: N.E.C. 725, CL2

3759 Series

For quantities of 5 and up, call for

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cond.	Price Per 100' Spool
517-3759/09	3759/09	D	9	92.56
517-3759/10	3759/10	D	10	93.16
517-3759/14	3759/14	D	14	101.26
517-3759/15	3759/15	D	15	105.30
517-3759/16	3759/16	D	16	109.36
517-3759/20	3759/20	D	20	113.42
517-3759/24	3759/24	D	24	126.36
517-3759/25	3759/25	D	25	130.33
517-3759/26	3759/26	D	26	134.81
517-3759/34	3759/34	D	34	145.82
517-3759/37	3759/37	D	37	160.08
517-3759/40	3759/40	D	40	157.94
517-3759/50	3759/50	D	50	182.28
517-3759/60	3759/60	D	60	212.51
517-3759/64	3759/64	D	64	214.68

ROUND, SHIELDED/JACKETED, DISCRETE WIRE CA

Specifications:

- 28 AWG Stranded
- Twisted Pair
- PVC/PVC
- Jacket material: Polyvinyl Chloride (PVC)
- Jacket color: Beige
- Primary material: Polyvinyl Chloride (PVC)
- Conductors: Tinned stranded copper
- Voltage rating: 150V
- Temperature rating: USA: CL2; 75°C
- Flammability rating: N.E.C. 725, CL2

3600X Series

For quantities of 5 and up, call for

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cond.	Price Per 300' Spool
517-3600B/14	3600B/14	E	14	226.26
517-3600B/20-300	3600B/20	E	20	320.87
517-3600B/24	3600B/24	E	24	387.88
517-3600B/26-300	3600B/26	E	26	405.00
517-3600B/36	3600B/36	E	36	581.82
517-3600B/40	3600B/40	E	40	646.46
517-3600B/50-300	3600B/50	E	50	802.20
517-3600B/68-300	3600B/68	E	68	1092.57
*517-3600B/80	3600B/80	E	80	905.22
*517-3600B/100	3600B/100	E	100	1131.52

*Price Per 200' role

1.0MM ROUND CONDUCTOR FLAT CABLE

Specifications:

- 28 AWG Stranded
- Mass Termination
- Insulation material: Poly Vinyl Chloride (PVC)
- Color: Gray
- Conductors: Tinned stranded copper
- Voltage rating: 300V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW.1

3625 Series

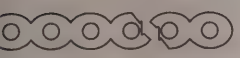
For quantities of 5 and up, call for

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cond.	Price Per 30 Meter Spool
517-3625/10	3625/10	A	10	28.42
517-3625/12	3625/12	A	12	34.10
517-3625/20	3625/20	A	20	56.84
517-3625/26	3625/26	A	26	73.90
517-3625/34	3625/34	A	34	96.62
517-3625/44	3625/44	A	44	125.04
517-3625/50	3625/50	A	50	142.10

ALPHA WIRE IDC Flat Cable, Wire and Cable

GRAY FLAT CABLE

cations:
rating: 300V
rature rating: -20°C to 105°C
ctors: Stranded Tinned 28 AWG
ion: PVC



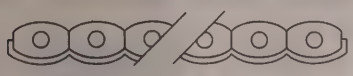
MOUSER STOCK NO.	No. of Cond.	Price Per 100' Spool
602-3580/9	9	22.73
602-3580/10	10	25.28
602-3580/14	14	38.84
602-3580/15	15	37.81
602-3580/16	16	40.52
602-3580/20	20	50.44
602-3580/24	24	60.55
602-3580/25	25	63.07
602-3580/26	26	65.31
602-3580/34	34	85.47
602-3580/40	40	100.65
602-3580/50	50	125.52
602-3580/64	64	160.63

.050" COLOR-CODED FLAT CABLE

Specifications:
- Voltage rating: 300V
- Temperature rating: -20°C to 105°C
- Conductors: Stranded Tinned 28 AWG
- Insulation: PVC

MOUSER STOCK NO.	No. of Cond.	Price Per 100' Spool
602-3583/9	9	55.25
602-3583/10	10	70.20
602-3583/14	14	82.01
602-3583/15	15	87.83
602-3583/16	16	93.70
602-3583/20	20	117.29
602-3583/24	24	141.99
602-3583/25	25	146.54
602-3583/26	26	154.48
602-3583/34	34	202.17
602-3583/40	40	240.03
602-3583/50	50	297.07
602-3583/64	64	378.88

" COLOR-CODED, TWISTED-TO-FLAT CABLE

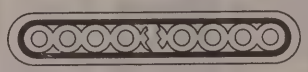


ications:
e rating: 300V
rature rating: -20°C to 105°C
ctors: Stranded Tinned 28 AWG
tion: PVC

MOUSER STOCK NO.	No. of Cond.	Price Per 100' Spool
602-3586/26	26	205.83
602-3586/40	40	342.02
602-3586/50	50	442.20
602-3586/60	60	478.88

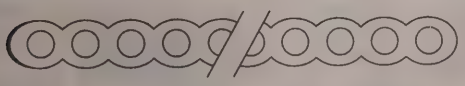
.050" GRAY SHIELDED/JACKETED FLAT CABLE

Specifications:
- Voltage rating: 150V
- Temperature rating: -20°C to 105°C
- Conductors: Stranded Tinned 28 AWG
- Insulation: PVC



MOUSER STOCK NO.	No. of Cond.	Price Per 100' Spool
602-3590/9	9	231.40
602-3590/10	10	251.42
602-3590/14	14	273.40
602-3590/15	15	286.32
602-3590/16	16	305.68
602-3590/20	20	399.33
602-3590/24	24	460.68
602-3590/25	25	477.90
602-3590/26	26	499.43
602-3590/34	34	652.28
602-3590/37	37	600.61
602-3590/40	40	622.15
602-3590/50	50	667.34
602-3590/60	60	798.66

" GRAY FLAT CABLE



ications:
e Rating: 150V
erature Rating: -20°C to +105°C
uctors: Solid Bare Copper 30AWG
tion: PVC

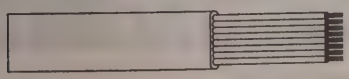
MOUSER STOCK NO.	No. of Cond.	Price Per 100' Spool
602-3582/26	26	77.94
602-3582/40	40	119.74
602-3582/50	50	149.46
602-3582/60	60	179.41

.050 " ROUND-TO-FLAT CABLE

Specifications:
- Voltage Rating: 300V-AWM; 150V-CL2
- Temperature Rating: -20°C to +105°C
- Conductors: Solid Tinned Copper 28AWG
- Insulation: PVC
- Jacket: Black

MOUSER STOCK NO.	No. of Cond.	Price Per 100' Spool
602-3585/25	25	214.31
602-3585/26	26	216.62
602-3585/40	40	307.87
602-3585/50	50	394.09

OULAR TELEPHONE CABLE



fications:
WG 7/34 stranded bare copper wire
ge rating: 150V

MOUSER STOCK NO.	No. of Cond.	Price Per 328' Spool
602-1604	4	42.53
602-1606	6	42.55
602-1608	8	70.96

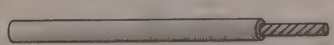
LACING CORD AND TAPE

Specifications:
- Color Description: WH=White BK=Black
- MIL-T-43435
- Excellent Abrasion Resistance and Knot Retention

MOUSER STOCK NO.	Tensile Strength (lbs.)	Width (In.)	Price Per 500yd Spool
602-LC132-BK	50	.085	56.89
602-LC132-WH	50	.085	56.89
602-LC134-BK	30	.085	44.67
602-LC134-WH	30	.085	44.67
602-LC136-BK	50	.085	51.93
602-LC136-WH	50	.085	51.93
602-LC140-BK	50	.085	55.90
602-LC140-WH	50	.085	55.90
602-LC143-BK	50	.085	42.28
602-LC143-WH	50	.085	42.28
602-LC162-BK	50	.085	42.28
602-LC162-WH	50	.085	42.28

T LEAD WIRE

ifications:
ductor: Stranded tinned copper
rating Temperature: -30°C to 90°C
- Insulation: Color-coded rubber
- Voltage: 1500 to 10,000 volts, as needed



Alpha art No.	Conductor AWG	Conductor Strand	Color	Working Voltage	O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
2	20	41 x 36	Red	1500	.125	602-1632-100-03	24.63	602-1632-1000-03	155.46
2	20	41 x 36	Black	1500	.125	602-1632-100-02	24.63	602-1632-1000-02	155.46
5	20	41 x 36	Red	3000	.140	602-1635-100-03	31.58	602-1635-1000-03	166.19
5	20	41 x 36	Black	3000	.140	602-1635-100-02	31.58	602-1635-1000-02	166.19
6	18	65 x 36	Red	5000	.140	602-1636-100-03	29.47	602-1636-1000-03	174.65
8	18	65 x 36	Black	5000	.140	602-1636-100-02	29.47	602-1636-1000-02	174.65
8	18	65 x 36	Red	10,000	.230	602-1638-100-03	40.00	602-1638-1000-03	269.29
8	18	65 x 36	Black	10,000	230	602-1638-100-02	40.00	602-1638-1000-02	269.29

ALPHA WIRE Coaxial and Audio Video Cable

COAXIAL CABLE

Polyethylene Dielectric Flexible RG-Type

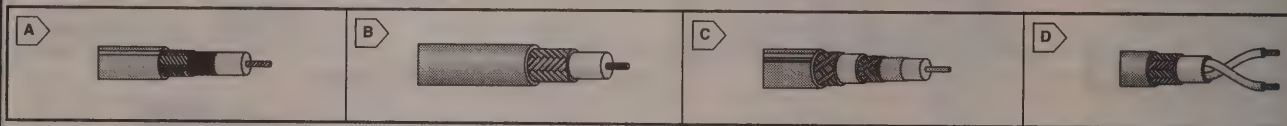
- Non-Plenum

Alpha Part No.	RG Type	AWG	Strand	Nom. O.D. (In.)	MOUSER STOCK NO.	100' Spool 1	100' Spool 5	MOUSER STOCK NO.	500' Spool 1	500' Spool 5	MOUSER STOCK NO.	1000' Spool 1	1000' Spool 5
9804C	6/U	18	Solid	.270	-------	-------	-------	-------	-------	-------	602-9804C-1000	300.99	292
9843	6/U	18	Solid	.242	-------	-------	-------	-------	-------	-------	602-9843-1000	247.19	239
9008A	8A/U	13	7/21	.405	-------	-------	-------	602-9008A-500	538.30	522.92	602-9008A-1000	924.73	897
9008	8/U	13	7/21	.405	602-9008-100	113.67	103.62	602-9008-500	476.27	462.66	602-9008-1000	753.36	731
9848	58/U	18	Solid	.195	-------	-------	-------	-------	-------	-------	602-9848-1000	340.18	330
9011	11/U	18	7/26	.405	-------	-------	-------	602-9011-500	521.68	506.78	602-9011-1000	837.01	812
9011A	11A/U	18	7/26	.405	-------	-------	-------	602-9011A-500	700.35	680.34	602-9011A-1000	1257.76	1220
9847	11/U	14	Solid	.405	602-9847-100	115.05	105.97	-------	-------	-------	602-9847-1000	626.38	607
9803C	59/U	22	7/30	.242	-------	-------	-------	-------	-------	-------	602-9803C-1000	286.03	277
9059B	59B/U	23	Solid	.242	602-9059B-100	97.17	89.51	602-9059B-500	245.01	238.01	602-9059B-1000	388.54	377
9840	59/U	22	Solid	.242	-------	-------	-------	-------	-------	-------	602-9840-1000	239.96	232
9223	223/U	19	Solid	.216	602-9223-100	283.87	261.44	602-9223-500	1201.82	1167.49	602-9223-1000	1937.16	1880
9213	213/U	13	7/.0196	.412	602-9213-100	170.04	156.63	602-9213-500	713.64	693.25	602-9213-1000	1014.14	984
9214	214/U	13	7/.0296	.432	602-9214-100	848.36	781.38	602-9214-500	3421.50	3323.76	602-9214-1000	5160.86	5009
9217	217/U	10	Solid	.545	602-9217-100	533.44	491.31	602-9217-500	2239.81	2175.82	602-9217-1000	3133.11	3040

TFE Teflon® Dielectric Cable

Alpha Part No.	Description	RG Type	AWG	Strand	Nom. O.D. (In.)	MOUSER STOCK NO.	100' Spool 1	100' Spool 5	MOUSER STOCK NO.	1000' Spool 1	1000' Spool 5
9178B	Fluorinated Ethylene-Propylene, Natural	178B/U	30	7/38	.071	602-9178B-100	186.20	171.51	602-9178B-1000	653.67	634
9179B	Tint Fluorinated Ethylene-Propylene, Brown	179B/U	30	7/38	.100	602-9179B-100	194.09	178.77	602-9179B-1000	773.25	750
9180B	Fluorinated Ethylene-Propylene, Natural	180B/U	30	7/38	.140	602-9180B-100	331.27	305.12	602-9180B-1000	1738.01	1686
9196A	Tetrafluoroethylene, White	196A/U	30	7/38	.076	-------	-------	-------	602-9196A-1000	778.78	755
9187A	Tetrafluoroethylene, White	187A/U	30	7/38	.105	-------	-------	-------	602-9187A-1000	1251.55	1214
9188A	Tetrafluoroethylene, White	188A/U	25	7/.0067	.106	602-9188A-100	245.02	225.65	602-9188A-1000	1307.14	1268

LOCAL AREA NETWORK COAXIAL CABLE



Alpha Part No.	Fig.	RG Type	Material	AWG	Strand	Nom. O.D.	MOUSER STOCK NO.	500' Spool 1	500' Spool 5	MOUSER STOCK NO.	1000' Spool 1	1000' Spool 5
9859	A	58 C/U Plenum	Tinned Copper	20	19/.0071	0.161	602-9859-500	472.51	459.00	602-9859-1000	830.45	806.8
9825C	A	11/U	Copper Coated Steel	14	Solid	0.400	--------	----	----	602-9825C-1000	897.61	871.2
9104	A	6/U Plenum	Tinned Copper	18	Solid	0.245	602-9104-500	839.67	815.65	602-9104-1000	1476.04	1432.8
9858	B	58 C/U	Tinned Copper	20	19/.0071	0.193	602-9858-500	346.92	340.51	602-9858-1000	525.74	510.2
9851C	C	Ethernet	Tinned Copper	.0855"	Solid	0.405	--------	----	----	602-9851C-1000	1072.26	1040.7
9851F	C	Ethernet Plenum	Bare Copper	.0855"	Solid	0.375	602-9851F-500	2901.50	2818.59	602-9851F-1000	4865.15	4722.0
9888C	D	Appletalk	Tinned Copper	22	7/30	0.185	-------	----	----	602-9888C-1000	446.77	433.8

MICROPHONE CABLES

Specifications:

- Conductor: Stranded Tinned Copper
- Insulation: Polyethylene
- Jacket: Gray PVC
- Operating Temperature: -20°C to 60°C
- Voltage Rating: 3500V (1703), 1000V (1710)
- Sheilds: Braided Tinned Copper

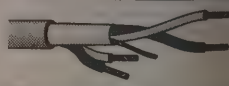
Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
1703	1	24	10/34	.15	602-1703-100	47.79	602-1703-500	190.86	602-1703-1000	346.95
1710	2	22	19/34	.23	602-1710-100	79.74	602-1710-500	328.43	602-1710-1000	487.17

Specifications:

- Conductor: Stranded Tinned Copper
- Insulation: Rubber
- Jacket: Black rubber (1448/20), Black neoprene (1448/18)
- Operating Temperature: -20°C to 60°C
- Sheilds: Braided Tinned Copper (85% Coverage)

1448/20	2	20	26/34	.26	--------	--------	--------	--------	602-1448/20-1000	919.71
1448/18	2	18	41/34	.29	--------	--------	--------	--------	602-1448/18-1000	1338.75

AUDIO VIDEO MULTICONDUCTOR CABLE



Specifications:

- UL Type CM, CSA CMG FT4
- Conductor: Stranded Tinned Copper
- Insulation: Color coded PVC (2465C), Polypropylene (2464C)
- Jacket: Gray PVC
- Voltage Rating: 300V
- Black and Red Shielded
- White and Green Unshielded

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
2464C	4	22	7/30	.16	602-2464-100	71.60	602-2464-500	183.24	602-2464-1000	269.69
2465C	4	20	7/28	.23	602-2465-100	91.09	602-2465-500	321.16	602-2465-1000	568.97

VIDEO COAXIAL CABLE

75 Ohms (100% Sweep Test @ 5 to 300 MHz)

Alpha Part No.	Coverage	AWG	Strand	Shield Material	Dielectric Dia.	Nom O.D. (In.)	Jacket	Conductor	MOUSER STOCK NO.	Price Per 1000' Spool
9807	99%	20	Solid	Double TC Braid	0.200"	.304	Black Solid Polyehtylene	Bare Copper	602-9807-1000	744.7
9808	98%	20	Solid	Double TC Braid	0.200"	.304	Clear Solid Polyethylene	Bare Copper	602-9808-1000	151.6
9810	100%	23	7/30	A/P/A Plus TC Braid	0.146"	.220	Black Solid Polyehtylene	Compacted Bare Copper	602-9810-1000	497.5
75 Ohms										
9259	95%	24	7/32	BC Braid	0.142"	.240	Black PVC	Bare Copper	602-9259-1000	850.3
9813	92%	22	7/30	Double BC Braid	0.193"	.303	Black PVC	Bare Copper	602-9813-1000	1461.1

TICONDUCTOR, UNSHIELDED

Recommend Heat Shrink FIT221

a No.	No. of Cond.	Conductor AWG	Conductor Strand	O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
pe CM, UL AWM 2576, CSA CMG FT4, 300 Volt										
	2	22	7 x 30	0.16	602-1172C-100	20.32	602-1172C-500	60.56	602-1172C-1000	97.51
	3	22	7 x 30	0.17	602-1173C-100	26.62	602-1173C-500	81.38	602-1173C-1000	130.75
	4	22	7 x 30	0.19	602-1174C-100	29.47	602-1174C-500	92.49	602-1174C-1000	164.06
	5	22	7 x 30	0.20	602-1175C-100	35.74	602-1175C-500	117.96	602-1175C-1000	206.81
	6	22	7 x 30	0.21	602-1176C-100	39.34	602-1176C-500	138.69	602-1176C-1000	252.97
	7	22	7 X 30	0.21	602-1177C-100	42.85	-----	-----	602-1177C-1000	287.99
	8	22	7 x 30	0.22	602-1178C-100	51.29	602-1178C-500	167.81	602-1178C-1000	326.73
	10	22	7 x 30	0.26	602-1180C-100	59.86	602-1180C-500	204.93	602-1180C-1000	394.41
	12	22	7 x 30	0.28	602-1181C-100	82.57	602-1181C-500	285.62	602-1181C-1000	365.50
5C	15	22	7 x 30	0.30	602-1181/15C-100	113.91	602-1181/15C-500	418.15	602-1181/15C-1000	630.35
5C	25	22	7 x 30	0.36	602-1181/25C-100	88.62	602-1181/25C-500	389.55	602-1181/25C-1000	741.20
pe CM, UL AWM 2509, UL CSA CMG FT4, 300 Volt										
	2	20	7 x 28	0.18	602-1895C-100	24.31	602-1895C-500	81.21	602-1895C-1000	121.24
	3	20	7 x 28	0.19	602-1896C-100	31.35	602-1896C-500	110.77	602-1896C-1000	199.68
4C	4	20	7 x 28	0.21	602-1896/4C-100	36.86	602-1896/4C-500	122.76	602-1896/4C-1000	225.01
5C	5	20	7 x 28	0.23	602-1896/5C-100	46.16	-----	-----	602-1896/5C-1000	297.07
6C	6	20	7 x 28	0.25	602-1896/6C-100	55.09	-----	-----	602-1896/6C-1000	353.70
7C	7	20	7 x 28	0.25	602-1896/7C-100	61.75	-----	-----	602-1896/7C-1000	397.47
8C	8	20	7 x 28	0.27	602-1896/8C-100	90.52	602-1896/8C-500	317.72	602-1896/8C-1000	582.75
12C	12	20	7 x 28	0.35	602-1896/12C-100	119.04	602-1896/12C-500	410.80	602-1896/12C-1000	670.58
	2	18	16 x 30	0.20	602-1897C-100	28.98	602-1897C-500	105.97	602-1897C-1000	184.21
	3	18	16 x 30	0.21	602-1898C-100	40.20	602-1898C-500	140.01	602-1898C-1000	256.88
4C	4	18	16 x 30	0.24	602-1898/4C-100	50.09	602-1898/4C-500	180.17	602-1898/4C-1000	320.86
6C	6	18	16 x 30	0.29	602-1898/6C-100	79.71	602-1898/6C-500	279.74	602-1898/6C-1000	513.07
7C	7	18	16 x 30	0.29	602-1898/7C-100	84.93	602-1898/7C-500	284.00	602-1898/7C-1000	501.49
8C	8	18	16 x 30	0.31	602-1898/8C-100	110.87	602-1898/8C-500	389.47	602-1898/8C-1000	714.52
9C	9	18	16 x 30	0.34	602-1898/9C-100	134.05	602-1898/9C-500	461.55	602-1898/9C-1000	763.65
10C	10	18	16 x 30	0.37	602-1898/10C-100	155.79	602-1898/10C-500	546.80	602-1898/10C-1000	1003.07
12C	12	18	16 x 30	0.38	602-1898/12C-100	161.60	602-1898/12C-500	565.79	602-1898/12C-1000	961.51
15C	15	18	16 x 30	0.44	-----	-----	602-1898/15C-500	749.97	602-1898/15C-1000	1353.21
19C	19	18	16 x 30	0.47	602-1898/19C-100	269.14	602-1898/19C-500	930.56	602-1898/19C-1000	1684.28
25C	25	18	16 x 30	0.56	602-1898/25C-100	382.63	602-1898/25C-500	1320.56	602-1898/25C-1000	2399.14
C	2	16	19 x .0117	0.22	602-1899C-100	46.46	602-1899C-500	167.38	602-1899C-1000	305.92

Specifications:
- Jacket: gray PVC
- Insulation: color-coded PVC
- Conductor: stranded tinned copper

HA WIRE HARMONIZED PVC UNSHIELDED MULTICONDUCTOR CORDAGE

ications:
ctor: Fine stranded bare copper
ting Temperature: -30°C to 70°C (Static)
-10°C to 105°C (Dynamic)
tion: Color-coded PVC insulation
e Rating: 300/500 Volt rms
t: Black PVC

Features:
- For installation in electronic and electrical equipment designed for use in Europe
- Alleviates the need for adapters to connect to European mains
- Alleviates the need for rewiring of electronic and electrical equipment for proper power supply connections
- Highly Flexible Design

This cordage not for use out-of-doors

lpha rt No.	AWG	Strand	Conductor mm²	Nominal O.D. (In.)	MOUSER STOCK NO.	100' Spool 1	100' Spool 5
rdage Type: H05 VV-F - 2 Conductor - Unshielded (Brown, Lt. Blue)							
00	18	23/32	0.75	0.245	602-1900-BK	35.70	34.44
02	17	31/32	1.00	0.255	602-1902-BK	42.50	41.00
rdage Type: H05 VV-F - 3 Conductor - Unshielded (Green/Yellow, Brown, Lt. Blue)							
01	18	23/32	0.75	0.250	602-1901-BK	32.30	31.16
03	17	31/32	1.00	0.270	602-1903-BK	45.90	44.28
04	16	29/30	1.50	0.310	602-1904-BK	54.40	52.48
05	14	50/30	2.50	0.390	602-1905-BK	86.70	83.64
rdage Type: H05 VV-F - 5 Conductor - Unshielded (Green/Yellow, Brown, Lt. Blue, Black, Black)							
06	14	50/30	2.50	0.488	602-1906-BK	159.80	154.16

PHA WIRE HARMONIZED RUBBER/NEOPRENE CORDAGE

fications:
uctor: Fine stranded bare copper
ating Temperature: -25°C to 60°C (Static)
ation: Color-coded rubber insulation
ge Rating: 450/750 Volt rms
t: Black neoprene

Features:
- For installation in electronic and electrical equipment designed for use in Europe
- Alleviates the need for adapters to connect to European mains
- Alleviates the need for rewiring of electronic and electrical equipment for proper power supply connections.

This cordage is acceptable for use out-of-doors

lpha rt No.	AWG	Strand	Conductor mm²	Nominal O.D. (In.)	MOUSER STOCK NO.	100' Spool 1	100' Spool 5
ordage Type: H07 RN-F 3G - 3 Conductor - Unshielded (Green/Yellow, Brown, Blue)							
915	16	29/30	1.50	0.370	602-1915-BK	164.90	159.08
916	14	50/30	2.50	0.440	602-1916-BK	229.50	221.40
918	12	56/28	4.00	0.551	602-1918-BK	399.50	385.40
919	10	84/28	6.00	0.560	602-1919-BK	591.60	570.72
922	8	77/26	10.00	0.785	602-1922-BK	1028.50	992.20
923	6	115/26	16.00	0.890	602-1923-BK	1385.50	1336.60
ordage Type: H07 RN-F 4G - 4 Conductor - Unshielded (Green/Yellow, Brown, Blue, Black)							
920	10	84/28	6.00	0.620	602-1920-BK	686.80	662.56
924	6	115/26	16.00	0.960	602-1924-BK	1649.00	1590.80
ordage Type: H07 RN-F 5G - 5 Conductor - Unshielded (Green/Yellow, Brown, Blue, Black, Black)							
917	14	50/30	2.50	0.540	602-1917-BK	379.10	365.72
921	10	84/28	6.00	0.705	602-1921-BK	739.50	713.40
925	6	115/26	16.00	1.070	602-1925-BK	1963.50	1894.20

WHAT IS HARMONIZED?

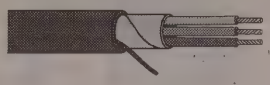
rder to facilitate export trade to the European communities and develop a common European marketplace, an international standards agency called CENELEC was formed to develop electrical andards that would be universally acceptable to all of the CENELEC member nations. According to CENELEC standards, <HAR> wire and cable must be used for all internal wiring and power applications.

ALPHA WIRE MULTICONDUCTOR, FOIL SHIELDED

UL Type CM, UL AWM 2464, CSA CMG FT4 300 Volt

Description:

- Stranded tinned copper conductors
- Aluminum/polyester foil shield.
- Drain wire is stranded tinned copper
- Operating temperature: -20°C to 80°C
- Insulation: Color-coded SR-PVC
- Jacket: Gray PVC



Alpha Part No.	No. of Cond.	Nom. O.D.	Jacket Thickness	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
24 AWG 7/32							
6307	15	.284	.032	602-6307-500	320.35	602-6307-1000	555.
6308	20	.314	.032	602-6308-500	585.54	602-6308-1000	1034.
6309	25	.339	.032	602-6309-500	647.42	602-6309-1000	1143.
6310	30	.380	.032	602-6310-500	963.21	602-6310-1000	1701.
6311	40	.430	.032	602-6311-500	1279.34	602-6311-1000	2259.
6312	50	.490	.032	602-6312-500	1880.82	602-6312-1000	3321.

ALPHA WIRE MULTICONDUCTOR, FOIL/BRAID SHIELD

UL Type CM, UL AWM Style 2464, CSA CMG FT4 300 Volt

Description:

- Stranded tinned copper conductors
- Aluminum/polyester/65% tinned copper braid.
- Drain wire is stranded tinned copper
- Operating temperature: -20°C to 80°C
- Insulation: Color-coded SR-PVC
- Jacket: Gray PVC

Alpha Part No.	No. of Cond.	Nom. O.D.	Jacket Thickness	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
24 AWG 7/32							
6327	3	.190	.032	--------	-----	602-6327-1000	311.53
6328	4	.200	.032	--------	-----	602-6328-1000	438.29
6329	5	.215	.032	--------	-----	602-6329-1000	449.49
6330	6	.225	.032	602-6330-500	316.49	602-6330-1000	558.97
6331	7	.228	.032	602-6331-500	373.99	602-6331-1000	660.53
6332	8	.240	.032	602-6332-500	416.49	602-6332-1000	735.69
6333	9	.254	.032	602-6333-500	517.23	602-6333-1000	913.50
6334	10	.270	.032	602-6334-500	646.19	602-6334-1000	1141.39
6335	15	.300	.032	602-6335-500	865.38	602-6335-1000	1528.38
6336	25	.372	.032	602-6336-500	1453.10	602-6336-1000	2566.59
6337	37	.412	.032	602-6337-500	2378.97	602-6337-1000	4201.82
6338	50	.486	.032	602-6338-500	2973.52	602-6338-1000	5251.91
22 AWG 7/30							
6339	3	.203	.032	--------	-----	602-6339-1000	262.58
6340	4	.215	.032	--------	-----	602-6340-1000	311.03
6341	5	.231	.032	--------	-----	602-6341-1000	387.28
6342	6	.245	.032	--------	-----	602-6342-1000	444.39
6343	7	.245	.032	602-6343-500	294.53	602-6343-1000	520.13
6344	8	.260	.032	602-6344-500	316.49	602-6344-1000	558.97
6345	9	.280	.032	602-6345-500	358.93	602-6345-1000	633.94
6346	10	.300	.032	602-6346-500	383.87	602-6346-1000	697.95
6347	15	.340	.032	602-6347-500	548.45	602-6347-1000	968.58
6348	25	.410	.032	602-6348-500	1032.23	602-6348-1000	1618.07
6349	37	.460	.032	602-6349-500	2676.28	602-6349-1000	4726.94
6350	50	.555	.032	602-6350-500	3092.41	602-6350-1000	5462.02

UL Type CM, UL AWM Style 2919, CSA CMH FT1 300 Volt

- Insulation: Color-coded foam polyethylene

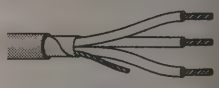
Alpha Part No.	No. of Cond.	Nom. O.D.	Jacket Thickness	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price P 1000' Sp
24 AWG 7/32							
6351	3	.215	.035	--------	-----	602-6351-1000	288.
6352	4	.230	.035	--------	-----	602-6352-1000	332.
6353	5	.246	.035	--------	-----	602-6353-1000	444.
6354	6	.265	.035	--------	-----	602-6354-1000	480.
6355	7	.265	.035	602-6355-500	286.92	602-6355-1000	506.
6356	8	.280	.035	602-6356-500	301.71	602-6356-1000	532.
6357	9	.300	.035	602-6357-500	354.55	602-6357-1000	626.
6358	10	.306	.035	602-6358-500	362.09	602-6358-1000	639.
6359	15	.350	.035	602-6359-500	560.17	602-6359-1000	989.
6360	25	.445	.035	602-6360-500	900.56	602-6360-1000	1590.
6361	37	.515	.035	602-6361-500	1537.64	602-6361-1000	2715.

MULTICONDUCTOR, SHIELDED

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
Foil Shield, ULType CM, UL AWM 2092, 2093, 2094, CSA CMG FT4, 300 Volt										
2461C	2	22	7 x 30	0.13	602-2461C-100	32.50	602-2461C-500	101.94	602-2461C-1000	178.51
2400C	2	24	7 x 32	0.16	602-2400C-100	21.82	602-2400C-500	83.00	602-2400C-1000	126.11
2401C	2	22	7 x 30	0.17	602-2401C-100	27.16	602-2401C-500	97.04	602-2401C-1000	172.37
2403C	3	22	7 x 30	0.18	602-2403C-100	30.32	602-2403C-500	114.72	602-2403C-1000	193.59
2404C	4	22	7 x 30	0.20	602-2404C-100	45.62	602-2404C-500	165.33	602-2404C-1000	231.00
2411C	2	20	7 x 28	0.18	602-2411C-100	32.21	602-2411C-500	139.20	602-2411C-1000	238.00
2413C	3	20	7 x 28	0.20	602-2413C-100	36.74	602-2413C-500	123.33	602-2413C-1000	232.87
2414C	4	20	7 x 28	0.22	602-2414C-100	51.95	602-2414C-500	178.93	602-2414C-1000	302.60
2421C	2	18	16 x 30	0.21	602-2421C-100	34.94	602-2421C-500	124.75	602-2421C-1000	224.61
2423C	3	18	16 x 30	0.23	602-2423C-100	46.51	602-2423C-500	172.76	602-2423C-1000	327.42
2424C	4	18	16 x 30	0.25	602-2424C-100	73.06	602-2424C-500	237.82	602-2424C-1000	465.30
2432C	2	16	19 x.0117	0.24	602-2432C-100	56.47	602-2432C-500	185.36	602-2432C-1000	358.60
2433C	3	16	19 x.0117	0.26	602-2433C-100	83.99	602-2433C-500	269.41	602-2433C-1000	534.57
Foil Shield, ULType CM, UL AWM 2576, CSA CMG FT4										
1213C	3	24	7 x 32	0.17	602-1213C-100	78.09	602-1213C-500	164.76	602-1213C-1000	242.52
1214C	4	24	7 x 32	0.18	602-1214C-100	70.17	602-1214C-500	146.08	602-1214C-1000	202.68
1219/10C	10	24	7 x 32	0.23	602-1219/10C-100	117.40	602-1219/10C-500	330.74	602-1219/10C-1000	487.06
1219/12C	12	24	7 x 32	0.27	602-1219/12C-100	131.85	602-1219/12C-500	410.82	602-1219/12C-1000	605.38
1219/15C	15	24	7 x 32	0.28	602-1219/15C-100	167.31	602-1219/15C-500	519.50	602-1219/15C-1000	767.64
1219/25C	25	24	7 x 32	0.33	602-1219/25C-100	121.32	602-1219/25C-500	404.25	602-1219/25C-1000	673.08

Specifications:

- Jacket: gray PVC
- Insul.: color-coded polyethylene (PE
- Shield: aluminum/polyester tape (100% coverage)
- Conductor: stranded tinned copper



Recommend Heat Shrink FIT221

DATA, COMMUNICATION AND CONTROL CABLES

Multiconductor, Braided Shield

- Stranded Tinned Copper
- Gray PVC Jacket
- 600V
- Color-Coded PE Insulation
- Temp: -20°C to 60°C

Alpha Part No.	No. of Cond.	AWG	Strand	Nom. O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
1712	2	20	26/34	0.24	602-1712-500	454.48	602-1712-1000	590.85
1713	3	20	26/34	0.25	602-1713-500	561.05	602-1713-1000	981.39
715	4	20	26/34	0.26	602-1715-500	583.46	602-1715-1000	1014.23
1716	5	20	26/34	0.27	602-1716-500	708.15	602-1716-1000	1236.93
1719	8	20	26/34	0.33	602-1719-500	1213.55	602-1719-1000	1731.71
1721	10	20	26/34	0.37	602-1721-500	1876.44	602-1721-1000	2736.42
1723	12	20	26/34	0.38	602-1723-500	1927.29	602-1723-1000	3272.51

Multiconductor, Braided Shield, UL1108, UL2095

- Stranded Tinned Copper
- Gray PVC Jacket
- 300V
- Color-Coded PVC Insulation
- Temp: -20°C to 80°C

1735	1	22	7/30	0.12	-------	-------	602-1735-1000	411.24
1736C	2	22	7/30	0.18	-------	-------	602-1736C-1000	435.03
1737C	3	22	7/30	0.2	602-1737C-500	326.56	602-1737C-1000	411.24
1738C	4	22	7/30	0.21	602-1738C-500	461.64	602-1738C-1000	802.75
1745	1	18	16/30	0.14	602-1745-500	409.95	602-1745-1000	700.24
1746C	2	18	16/30	0.23	602-1746C-500	659.13	602-1746C-1000	1146.21
1747C	3	18	16/30	0.24	602-1747C-500	1073.71	602-1747C-1000	1774.72

Multiconductor, Braided Shield, MIL-W-16878D, Type B/N

- Stranded Tinned Copper
- Gray PVC Jacket
- 600V
- Color-Coded PVC (Nylon) Insulation
- Temp: -55°C to 105°C

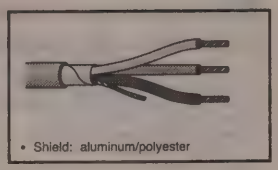
Alpha Part No.	No. of Cond.	AWG	Strand	Nom. O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price 100 Spo
3200	1	26	7/34	0.09	-------	-------	602-3200-1000	392.
3203	4	26	7/34	0.16	602-3203-500	680.24	602-3203-1000	794.
3211	2	24	19/36	0.15	602-3211-500	348.95	602-3211-1000	550.
3212	3	24	19/36	0.16	602-3212-500	381.14	602-3212-1000	692.
3221	2	22	19/34	0.18	602-3221-500	294.97	602-3221-1000	435.
3222	3	22	19/34	0.18	602-3222-500	363.22	602-3222-1000	543.
3223	4	22	19/34	0.20	602-3223-500	415.11	602-3223-1000	628.
3232	3	20	19/32	0.21	602-3232-500	417.80	602-3232-1000	628.
3246	2	16	19/29	0.24	602-3246-500	505.22	602-3246-1000	772.
3247	3	16	19/29	0.25	602-3247-500	664.75	602-3247-1000	1049.

ENUM RATED MULTICONDUCTOR, FOIL SHIELD

e CL2P, CSA CMP FT6, NEC Article 725, 150V

Recommend Heat Shrink FIT221

lpha rt No.	Conductor	Conductor AWG	Conductor Strand	O.D. (In.)	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
411	2 cond.	22	7 x 30	.122	602-58411-500	205.97	602-58411-1000	377.43
113	3 cond.	22	7 x 30	.131	602-58113-500	229.23	602-58113-1000	342.06
114	4 cond.	22	7 x 30	.140	602-58114-500	254.93	602-58114-1000	467.00
116	6 cond.	22	7 x 30	.158	602-58116-500	353.89	602-58116-1000	648.32
421	2 cond.	20	7 x 28	.138	602-58421-500	227.90	602-58421-1000	417.29
124	4 cond.	20	7 x 28	.160	602-58124-500	342.47	602-58124-1000	627.31
126	6 cond.	20	7 x 28	.181	602-58126-500	479.73	602-58126-1000	878.91
431	2 cond.	18	7 x .0152	.158	-----	-----	602-58431-1000	535.53
134	4 cond.	18	7 x .0152	.183	602-58134-500	463.34	602-58134-1000	848.90



- Shield: aluminum/polyester

Specifications:
- Jacket: gray, plenum-rated PVC
- Insulation: color-coded plenum rated PVC
- Conductor: stranded bare copper

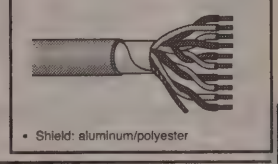
Applications:
- Remote control
- Intercom systems
- Burglar alarm systems
- Signaling and power-limited circuits
- Cash registers
- CRT-to-control interface
- Other low voltage systems

PLENUM RATED MULTIPAIR, FOIL SHIELD

Type CL2P, CSA CMP FT6, NEC Article 725, 150V

Recommend Heat Shrink FIT221

602	2 pair	24	7 x 32	.157	602-57602-500	203.36	602-57602-1000	341.40
603	3 pair	24	7 x 32	.167	602-57603-500	265.37	602-57603-1000	448.34
604	4 pair	24	7 x 32	.182	602-57604-500	405.22	602-57604-1000	680.53
412	2 pair	22	7 x 30	.177	602-58412-500	315.12	602-58412-1000	580.00
413	3 pair	22	7 x 30	.174	602-58413-500	359.52	602-58413-1000	661.91
414	4 pair	22	7 x 30	.196	602-58414-500	457.05	602-58414-1000	815.88
415	5 pair	22	7 x 30	.215	-----	-----	602-58415-1000	969.69
632	2 pair	20	7 x 28	.196	-----	-----	602-57632-1000	446.95
634	4 pair	20	7 x 28	.230	602-57634-500	411.27	602-57634-1000	690.63



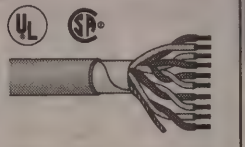
- Shield: aluminum/polyester

MULTIPAIR, SHIELDED

Recommend Heat Shrink FIT221

Alpha art No.	No. of Pairs	Conductor AWG	Conductor Strand	O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
il Shield, UL Type CM, UL AWM 2464, CSA CMG FT4, 300 Volt										
71C	1	24	7 x 32	.16	602-5471C-100	26.16	602-5471C-500	79.90	602-5471C-1000	119.00
72C	2	24	7 x 32	.21	602-5472C-100	31.58	602-5472C-500	108.30	602-5472C-1000	185.01
73C	3	24	7 x 32	.23	602-5473C-100	45.18	602-5473C-500	151.58	602-5473C-1000	254.26
74C	4	24	7 x 32	.24	602-5474C-100	53.04	602-5474C-500	201.39	602-5474C-1000	302.70
il Shield, UL Type CM, UL AWM 2464, CSA CMG FT4, 300 Volt										
02C	2	22	Solid	.22	-----	---	602-5902C-500	143.79	602-5902C-1000	256.78
05C	4	22	Solid	.26	602-5905C-100	65.37	602-5905C-500	224.64	602-5905C-1000	420.71

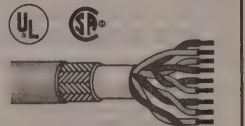
Specifications:
- Jacket: gray PVC
- Insulation: color-coded PVC
- Shield: aluminum/polyester tape (100% coverage)
- Conductor: stranded tinned copper



l Shielded, Low Cap, UL Type CM, UL AWM 2919, CSA CMH FT1, 300 Volt

cket: gray PVC • Insulation: color-coded polyethylene • Shield: aluminum/polyester tape • Conductor: tinned copper

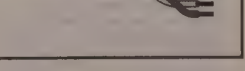
Alpha art No.	No. of Pairs	Conductor AWG	Conductor Strand	O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
01	6	24	7 x 32	.342	-----	---	602-6301-500	341.78	602-6301-1000	602.81
04	12 1/2	24	7 x 32	.445	602-6304-100	184.63	602-6304-500	615.40	602-6304-1000	1085.32



il/Braid Shield, UL Type CM, UL AWM 2464, CSA CMG FT4, 300 Volt

acket: gray PVC • Insulation: color-coded SR-PVC • Shield: aluminum-polyester/65% tinned copper braid • Conductor: stranded tinned copper

Alpha art No.	No. of Pairs	Conductor AWG	Conductor Strand	O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
62	2	24	7 x 32	.23	602-6362-100	57.20	602-6362-500	190.40	602-6362-1000	336.28
63	3	24	7 x 32	.25	602-6363-100	78.01	602-6363-500	259.00	602-6363-1000	457.47
64	4	24	7 x 32	.28	602-6364-100	86.34	602-6364-500	287.36	602-6364-1000	507.55

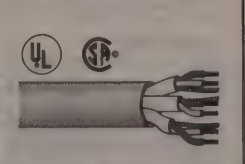


MULTIPAIR, SHIELDED

plications: • Audio, pulse, or RF signal transmission • Computer or electronic peripheral interconnectors where high levels of noise are anticipated

Alpha art No.	No. of Pairs	Conductor AWG	Conductor Strand	O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
dividually Foil Shield, UL Type CM, UL AWM 2493, CSA CMG FT4, 300V										
10C	3	22	7 x 30	0.31	602-6010C-100	58.64	602-6010C-500	216.27	602-6010C-1000	375.34
12C	6	22	7 x 30	0.39	602-6012C-100	105.35	602-6012C-500	384.10	602-6012C-1000	708.99
17C	12	22	7 x 30	.48	602-6017C-100	404.50	602-6017C-500	1292.29	602-6017C-1000	1962.72
32C	2	20	10 X 30	.31	602-6032C-100	78.47	602-6032C-500	239.66	602-6032C-1000	438.55
33C	3	20	10 X 30	.34	-----	---	602-6033C-500	308.36	602-6033C-1000	600.15
25C	9	18	16 X 30	.62	602-6025C-100	435.49	602-6025C-500	1467.82	602-6025C-1000	2412.39
dividually Foil Shielded, UL Type CM, UL AWM 2717, CSA CMG FT4, 300 Volt										
63C	4	22	7 x 30	.23	602-2463C-100	145.07	602-2463C-500	507.50	602-2463C-1000	934.16
66C	2	22	7 x 30	0.16	602-2466C-100	37.28	602-2466C-500	134.60	602-2466C-1000	194.82

Specifications:
- Jacket: gray PVC
- Insul.: color-coded polypropylene (PP)
- Shield: aluminum/polyester tape
- Conductor: stranded tinned copper



ALPHA WIRE MULTIPAIR, FOIL/BRAID SHIELD

UL Type CM, UL AWM Style 2464, CSA CMG FT4 300 Volt

- Stranded tinned copper conductors
- Aluminum/polyester/65% tinned copper braid.
- Drain wire is stranded tinned copper
- Operating temperature: -20°C to 80°C
- Insulation: Color-coded SR-PVC
- Jacket: Gray PVC

Alpha Part No.	No. of Pairs	Nom. O.D.	Jacket Thickness	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
24 AWG 7/32							
6362	2	.235	.032	602-6362-500	190.40	602-6362-1000	336.28
6363	3	.245	.032	602-6363-500	259.00	602-6363-1000	457.47
6364	4	.265	.032	602-6364-500	287.38	602-6364-1000	507.55
6365	5	.285	.032	602-6365-500	330.58	602-6365-1000	583.85
6366	6	.305	.032	602-6366-500	360.42	602-6366-1000	636.49
6367	7	.305	.032	602-6367-500	433.15	602-6367-1000	764.92
6368	10	.385	.032	602-6368-500	565.43	602-6368-1000	998.65
6369	12 1/2	.415	.032	602-6369-500	669.03	602-6369-1000	1181.57
6370	15	.425	.032	602-6370-500	1365.36	602-6370-1000	2411.54
6371	18	.450	.032	602-6371-500	1932.79	602-6371-1000	3413.69
6372	25	.520	.032	602-6372-500	2378.97	602-6372-1000	4201.82

ALPHA WIRE MULTIPAIR, FOIL SHIELD TRAY CABLE

UL Type CM/PLTC, CSA CMG FT4 300 Volt

Alpha Part No.	No. of Pairs	Nom. O.D.	Jacket Thickness	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
22 AWG 7/30							
6417	2	.310	.043	- - - - - - - -	- - - - -	602-6417-1000	333.89
6418	3	.326	.043	- - - - - - - -	- - - - -	602-6418-1000	421.26
6419	4	.353	.043	602-6419-500	290.33	602-6419-1000	561.27
6420	6	.425	.053	602-6420-500	425.43	602-6420-1000	822.13
6421	9	.488	.053	602-6421-500	618.37	602-6421-1000	1195.53
6422	11	.536	.053	602-6422-500	715.05	602-6422-1000	1382.45
6423	15	.594	.053	602-6423-500	917.62	602-6423-1000	1774.13
6424	19	.631	.063	602-6424-500	1120.51	602-6424-1000	2166.39
6425	27	.741	.063	602-6425-500	1575.97	602-6425-1000	3047.17
6426	51	.950	.063	602-6426-500	2860.01	602-6426-1000	5530.02
18 AWG 19/30							
6427	2	.377	.043	602-6427-500	360.42	602-6427-1000	696.83
6428	3	.420	.053	602-6428-500	544.17	602-6428-1000	1052.23
6429	4	.458	.053	602-6429-500	652.93	602-6429-1000	1262.43
6430	6	.509	.053	602-6430-500	991.37	602-6430-1000	1916.85
6431	9	.591	.053	602-6431-500	1460.28	602-6431-1000	2823.54
6432	11	.682	.063	602-6432-500	1782.64	602-6432-1000	3446.85
6433	15	.755	.063	602-6433-500	2204.30	602-6433-1000	4262.08

ALPHA WIRE MULTIPAIR, INDIVIDUALLY FOIL SHIELDED

Power Limited Tray Cable, UL Type CM/PLTC CSA CMG FT4

Description:

- Stranded tinned copper conductors
- Individually foil shielded pairs.
- Drain wire is stranded tinned copper.
- Operating temperature: -20°C to 105°C
- Insulation: Color-coded PVC

22 AWG 7/30

Alpha Part No.	No. of Pairs	Nom. O.D.	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
6434	2	.315	- - - - - - - -	- - - - -	602-6434-1000	399.08
6435	3	.331	602-6435-500	266.88	602-6435-1000	515.86
6436	4	.360	602-6436-500	341.96	602-6436-1000	661.06
6437	6	.437	602-6437-500	535.31	602-6437-1000	1034.88
6438	9	.500	602-6438-500	827.22	602-6438-1000	1599.46
6439	11	.551	602-6439-500	983.07	602-6439-1000	1900.84
6440	19	.686	602-6440-500	1626.20	602-6440-1000	3144.25
6441	51	1.050	602-6441-500	4076.37	602-6441-1000	7881.87

18 AWG 19/30

6442	2	.380	602-6442-500	466.98	602-6442-1000	926.15
6443	3	.423	602-6443-500	552.31	602-6443-1000	1067.77
6444	4	.486	602-6444-500	720.05	602-6444-1000	1392.14
6445	6	.538	602-6445-500	1098.13	602-6445-1000	2123.39
6446	9	.650	602-6446-500	1564.85	602-6446-1000	3025.67
6447	11	.727	602-6447-500	1832.94	602-6447-1000	3543.99
6448	15	.806	602-6448-500	2661.32	602-6448-1000	5145.64

ALPHA WIRE MULTIPAIR, FOIL/BRAID SHIELD (CONT.)

UL Type CM, UL AWM Style 2464, CSA CMG FT4 300 Volt

Description:

- Stranded tinned copper conductors
- Aluminum/polyester/65% tinned copper braid
- Drain wire is stranded tinned copper
- Operating temperature: -20°C to 80°C
- Insulation: Color-coded SR-PVC
- Jacket: Gray PVC

Alpha Part No.	No. of Pairs	Nom. O.D.	Jacket Thickness	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
22 AWG 7/30							
6373	2	.260	.032	- - - - - - - -	- - - - -	602-6373-1000	449.49
6374	3	.265	.032	602-6374-500	294.53	602-6374-1000	520.13
6375	4	.290	.032	602-6375-500	358.93	602-6375-1000	633.94
6376	5	.322	.032	602-6376-500	333.99	602-6376-1000	570.10
6377	6	.335	.032	602-6377-500	447.31	602-6377-1000	790.00
6378	7	.355	.032	602-6378-500	505.04	602-6378-1000	892.08
6379	8	.360	.032	602-6379-500	579.68	602-6379-1000	1023.84
6380	10	.420	.032	602-6380-500	681.28	602-6380-1000	1203.27
6381	12 1/2	.430	.032	602-6381-500	828.20	602-6381-1000	1462.66
6382	15	.472	.032	602-6382-500	1162.55	602-6382-1000	2053.27
6383	18	.490	.032	602-6383-500	1412.44	602-6383-1000	2201.11
6384	25	.610	.032	602-6384-500	2230.01	602-6384-1000	3938.64

UL Listed Type CL2, CM, UL AWM Style 2960, 2919, CSA CMH FT1 300 Volt

- Operating temperature: -20°C to 60°C
- Insulation: Color-coded polyethylene

Alpha Part No.	No. of Pairs	Nom. O.D.	Jacket Thickness	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
28 AWG 7/36							
6390	2	.214	.035	- - - - - - - -	- - - - -	602-6390-1000	449.49
6391	3	.222	.035	602-6391-500	330.58	602-6391-1000	583.85
6392	4	.237	.035	602-6392-500	366.10	602-6392-1000	646.60
6393	5	.240	.035	602-6393-500	431.29	602-6393-1000	761.78
6394	7	.256	.035	602-6394-500	526.40	602-6394-1000	929.63
6395	9	.290	.035	602-6395-500	724.85	602-6395-1000	1280.26
6396	12	.319	.035	602-6396-500	1017.55	602-6396-1000	1797.25
6397	13	.336	.035	602-6397-500	1162.55	602-6397-1000	2053.27
6398	18	.365	.035	602-6398-500	1635.37	602-6398-1000	2888.48
6399	25	.429	.035	602-6399-500	1783.78	602-6399-1000	3150.54
6400	31	.462	.035	602-6400-500	3729.96	602-6400-1000	6587.93
24 AWG 7/32							
6401	2	.291	.035	602-6401-500	381.58	602-6401-1000	673.98
6402	3	.305	.035	602-6402-500	460.35	602-6402-1000	813.12
6403	4	.330	.035	602-6403-500	528.15	602-6403-1000	932.89
6404	5	.338	.035	602-6404-500	603.30	602-6404-1000	1065.59
6405	6	.364	.035	602-6405-500	681.19	602-6405-1000	1203.19
6406	7	.364	.035	602-6406-500	627.63	602-6406-1000	1337.91
6407	9	.419	.035	602-6407-500	912.99	602-6407-1000	1612.58
6408	10	.451	.035	602-6408-500	1065.41	602-6408-1000	1881.63
6409	12	.464	.035	602-6409-500	1678.79	602-6409-1000	2965.07
6410	18	.567	.045	602-6410-500	2810.17	602-6410-1000	4963.33
6411	25	.670	.045	602-6411-500	3047.43	602-6411-1000	5382.58

UL Listed Type CM,CSA,CMH FT1, UL AWM Style 2919 300 Volt

- Overall aluminum/polyester foil shield with 90% coverage tinned copper braid.
- Drain wire is stranded tinned copper.
- Jacket: Gray PVC
- Operating temperature: -20°C to 60°C
- Insulation: Color-coded polyethylene

Alpha Part No.	No. of Pairs	Nom. O.D.	Jacket Thickness	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
24 AWG 7/32							
6412	1	.200	.035	- - - - - - - -	- - - - -	602-6412-1000	436.57
6413	2	.280	.035	602-6413-500	302.74	602-6413-1000	557.08
6414	3	.300	.035	602-6414-500	593.02	602-6414-1000	1186.84
6415	4	.322	.035	602-6415-500	574.61	602-6415-1000	1014.89

UL AWM Style 2464 Description:

- Stranded tinned copper conductors
- Individually foil shielded pairs.
- Drain wire is 22 AWG stranded tinned copper.
- Operating temperature: -20°C to 80°C.
- Insulation: Color-coded SR-PVC
- 300 V. UL Type CM, UL AWM Stle 2464, CSA PCC F

20 AWG 7/28

Alpha Part No.	No. of Pairs	Nom. O.D.	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
6416	2	.301	602-6416-500	248.54	602-6416-1000	535.33

PP/PE, Direct Burial:

- Stranded tinned copper conductors
- Individually foil shielded pairs.
- Drain wire is 22 AWG 7/30 stranded tinned copper.
- Black high-density polyethylene jacket.
- Insulation: Color-coded polyproplene
- Voltage Rating: 350 V

20 AWG 10x30

6314	3	.309	602-6314-500	514.07	602-6314-1000	907.98
6315	6	.400	602-6315-500	1201.21	602-6315-1000	2121.61

UL AWM Style 2919:

- Stranded tinned copper conductors
- Individually foil shielded pairs.
- Drain wire is 24 AWG 7/32 tinned copper. PVC jacket.
- Operating temperature: -20°C to 80°C.
- Insulation: Color-coded polyethylene.
- Voltage Rating: 300 V

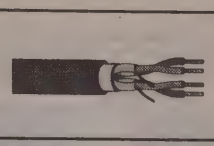
24 AWG 7/32

6385	3	.255	- - - - - - - -	- - - - -	602-6385-1000	430.54
6386	6	.330	602-6386-500	436.90	602-6386-1000	771.56
6387	9	.383	602-6387-500	655.39	602-6387-1000	1157.61
6388	12	.428	602-6388-500	917.36	602-6388-1000	1620.19
6389	25	.636	602-6389-500	2865.81	602-6389-1000	5061.67

MOUSER ELECTRONICS a tti company

ALPHA WIRE Instrumentation and Control Cable

B



C

D

INSTRUMENTATION OVERALL MULTIPAIR/MULTI-TRIAD SHIELDED CABLE

pe PLTC CSA CMG FT4, 300 Volt

ption:
ed bare copper conductors
num/Polyester and tinned copper drain wire
acket-black, UV resistant
construction color coded-one black, one white
onstruction color coded-one black, one white, one red
ting temperature: -20°C to 105°C

Specifications:
- Passes UL vertical tray flame test
- Complies with NEC article 725, Type PLTC

e and Multi-pair Shielded

lpha rt No.	Fig.	No. of Pairs	AWG	Nom. O.D.	MOUSER STOCK NO.	Price Per 1000' Spool
B2002	A	2	20	.31	602-5610B2002	386.50
B2004	A	4	20	.38	602-5610B2004	642.78
B2008	A	8	20	.47	602-5610B2008	1014.55
B2016	A	16	20	.63	602-5610B2016	2057.35
B2020	A	20	20	.66	602-5610B2020	2431.00
B1802	A	2	18	.37	602-5610B1802	606.75
B1804	A	4	18	.45	602-5610B1804	786.68
B1808	A	8	18	.56	602-5610B1808	1394.00
B1812	A	12	18	.68	602-5610B1812	1819.00
B1602	A	2	16	.43	602-5610B1602	862.85
B1608	A	8	16	.64	602-5610B1608	2563.61
B1401	A	1	14	.31	602-5610B1401	563.81
B1201	A	1	12	.35	602-5610B1201	988.73

Multi-pair Individually and Overall Shielded

Alpha Part No.	Fig.	No. of Pairs	AWG	Nom. O.D.	MOUSER STOCK NO.	Price Per 1000' Spool
5620B2002	B	2	20	.36	602-5620B2002	490.80
5620B2004	B	4	20	.40	602-5620B2004	745.11
5620B2008	B	8	20	.51	602-5620B2008	1356.27
5620B2012	B	12	20	.61	602-5620B2012	1992.15
5620B2016	B	16	20	.68	602-5620B2016	2771.00
5620B2020	B	20	20	.74	602-5620B2020	3893.00
5620B1804	B	4	18	.46	602-5620B1804	1075.35
5620B1808	B	8	18	.62	602-5620B1808	2210.00
5620B1812	B	12	18	.73	602-5620B1812	3808.01
5620B1820	B	20	18	.91	602-5620B1820	5457.00
5620B1602	B	2	16	.40	602-5620B1602	922.09
5620B1604	B	4	16	.51	602-5620B1604	1634.39
5620B1612	B	12	16	.82	602-5620B1612	4641.00

Single and Multi-Triad Individual Shielded

Alpha Part No.	Fig.	No. of Pairs	AWG	Nom. O.D.	MOUSER STOCK NO.	Price Per 1000' Spool
5640B2201	C	1	22	.20	602-5640B2201	289.00
5650B2008	C	8	20	.57	602-5650B2008	2431.00
5640B1801	C	1	18	.25	602-5640B1801	531.26
5640B1601	C	1	16	.27	602-5640B1601	612.84

PVC/NYLON INSTRUMENTATION CABLE

pe TC 600 Volt

ption:
ed bare copper conductors
num/Polyester and tinned copper drain wire.
acket-Black, UV resistant

- Operating temperature: -20°C to 90°C
- Paired construction color-coded: One black, one white

Specifications:
- Passes UL vertical tray flame test and complies with NEC article 340, (Article 725 Class 1)

e Triad Shielded

lpha rt No.	Fig.	No. of Pairs	AWG	Nom. O.D.	MOUSER STOCK NO.	Price Per 1000' Spool
6B1601	D	1	16	.31	602-5646B1601	669.13

Single and Multipair Overall Shielded

Alpha Part No.	Fig.	No. of Pairs	AWG	Nom. O.D.	MOUSER STOCK NO.	Price Per 1000' Spool
5616B1801	A	1	18	.28	602-5616B1801	296.75
5616B1812	A	12	18	.74	602-5616B1812	2924.00
5616B1601	A	1	16	.30	602-5616B1601	333.46
5616B1602	A	2	16	.46	602-5616B1602	769.61
5616B1608	A	8	16	.69	602-5616B1608	2494.33
5616B1401	A	1	14	.32	602-5616B1401	676.52
5616B1201	A	1	12	.36	602-5616B1201	1037.00

LOCAL AREA NETWORK CABLE

lelded Twisted Pairs (UTP), Category 5 Enhanced Cable

t Material: CE=PVC, FE=Plenum-PVC

- AWG: 24 (solid)

MOUSER STOCK NO.	Alpha Part No.	NEC Type	No. of Pairs	Norminal O.D. (In.)	Price Per 1000' Spool
9504CE-BL	9504CE-BL	CMG/CMG FT4	4	.210	81.35
9504CE-SL	9504CE-SL	CMG/CMG FT4	4	.210	81.35
9504CE-WH	9504CE-WH	CMG/CMG FT4	4	.210	81.35
9504FE-BL	9504FE-BL	CMP/CMP FT6	4	.200	234.00
9504FE-SL	9504FE-SL	CMP/CMP FT6	4	.200	234.00
9504FE-WH	9504FE-WH	CMP/CMP FT6	4	.200	234.00

MULTIPAIR, UNSHIELDED

ype CM, UL AWM 2576, CMG PCC FT4, 150 Volt

1000' Spools

ha No.	No. of Pairs	Conductor AWG	Conductor Strand	O.D. (In.)	MOUSER STOCK NO.	Price Per 1000' Spool
C	2	22	Solid	0.21	602-1302C-1000	179.24
C	3	22	Solid	0.22	602-1304C-1000	287.55
C	4	22	Solid	0.24	602-1305C-1000	380.46
C	2	22	7 x 30	0.22	602-1317C-1000	203.80
C	3	22	7 x 30	0.24	602-1318C-1000	285.37
C	4	22	7 x 30	0.26	602-1319C-1000	368.63

Recommend Heat Shrink FIT221

Specifications:
- Jacket: gray PVC
- Insulation: color-coded PVC
- Conductor: stranded tinned copper

SERIES V- HIGH PERFORMANCE SMALL DIAMETER VARIABLE FREQUENCY DRIVE (VFD) CABLE

ha Wire Industrial Series-Series V Enhanced Design Variable Frequency Drive (VFD) are acceptable for use with Allen-Bradley®ArmorStart Distributed Motor Controller with integrated variable frequency AC drives manufactured by Rockwell Automation.

Characteristics:
- Operating Temp: -25°C to 90°C (UL: Wet or Dry)
- Voltage Rating: UL Listed Type TC 600 Volt
- Jacket Color: Black

Specifications:
- UL Sunlight Resistant
- UL Direct Burial

Applications:
- Multi-Axis Control Systems
- Automotive Assembly Equipment
- Factory Equipment Interconnects
- Robotics
- Machine Tools
- Control Panels

Recommend Heat Shrink FIT221

Recommend Heat Shrink FIT321V

UL LISTED · Suitable for Direct Burial · CE · CSA Certified Canadian Standards Association

ded Tinned Copper Conductor-Without Brake Pair

ha No.	No. of Cond.	AWG	Strand	Nom. O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool
16	4	16	26/30	.535	602-V16016-100	258.00
14	4	14	41/30	.575	602-V16014-100	290.00
12	4	12	65/30	.627	602-V16012-100	372.00
10	4	10	105/30	.728	602-V16010-100	494.00
08	4	8	7x19/29	.920	602-V16008-100	666.00
06	4	6	7x19/27	1.017	602-V16006-100	990.00
04	4	4	7x19/25	1.157	602-V16004-100	1360.00
02	4	2	7x19/23	1.317	602-V16002-100	1910.00

14 AWG (7x22) Tinned Copper-With Brake Pair

Alpha Part No.	No. of Cond.	AWG	Strand	Nom. O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool
V16116	4	16	26/30	.710	602-V16116-100	398.00
V16114	4	14	41/30	.740	602-V16114-100	418.00
V16112	4	12	65/30	.780	602-V16112-100	504.00
V16110	4	10	105/30	.880	602-V16110-100	580.00
V16108	4	8	7x19/29	1.030	602-V16108-100	836.00

ALPHA WIRE XTRA-GUARD® 1 Multiconductor & Multi-Pair Cable

Features:
- Unsurpassed flame and moisture resistance
- Fast, easy stripping of insulation and jacket
- UL recognition and UL listing
- Flexible cable routing requirements

Specifications:
- UL type CM, AWM style 2464
- CSA PCC FT4
- Passes UL VW-1 flame test
- Passes CSA FT4 flame test

Characteristics:
- Operating temperature: -20°C to 80°C - AWM -20°C to 75°C - CM
- Voltage rating: 300V
- Conductor: stranded tinned copper
- Insulation: color-coded premium PVC
- Nylon rip cord for ease of jacket stripping
- Jacket: Premium PVC for extended cable life
- Jacket Color: Gray

Applications:
- High technology applications in controlled environments
- Medical electronics
- Point-of-sale equipment
- Industrial process controls
- EIA RS232C interface

UL Listed

CSA Certified

* Conductors color coded per international standards: Brown, Blue, Green/Yellow

MULTICONDUCTOR, UNSHIELDED

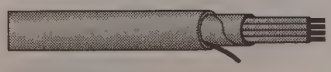
Recommend Heat Shrink FIT650

Recommend Heat Shrink FITFlex

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool
5002C	2	22	7 X 30	602-5002C-100	112.77	602-5002C-500	512.43
5003C	3	22	7 X 30	602-5003C-100	135.59	602-5003C-500	616.48
5004C	4	22	7 X 30	602-5004C-100	167.78	602-5004C-500	773.62
5006C	6	22	7 X 30	602-5006C-100	193.30	602-5006C-500	880.84
5008C	8	22	7 X 30	602-5008C-100	252.13	602-5008C-500	1159.72
5010C	10	22	7 X 30	602-5010C-100	289.05	602-5010C-500	1278.55
5010/15C	15	22	7 X 30	602-5010/15C-100	418.38	602-5010/15C-500	1924.83
5056C	6	20	7 X 28	602-5056C-100	257.65	602-5056C-500	1185.54
5058C	8	20	7 X 28	602-5058C-100	302.35	602-5058C-500	1386.93
5060C	10	20	7 X 28	602-5060C-100	350.06	602-5060C-500	1611.63
5060/15C	15	20	7 X 28	602-5060/15C-100	545.89	602-5060/15C-500	2514.36
5062C	2	18	16 X 30	602-5062C-100	158.38	602-5062C-500	727.44
5062/1C	2*	18	16 X 30	602-5062/1C-100	158.38	602-5062/1C-500	727.44
5063C	3	18	16 X 30	602-5063C-100	206.01	602-5063C-500	918.59

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool
5063/1C	3*	18	16 X 30	602-5063/1C-100	201.52	602-5063/1C-500	918.5
5064C	4	18	16 X 30	602-5064C-100	238.93	602-5064C-500	1096.3
5066C	6	18	16 X 30	602-5066C-100	353.59	602-5066C-500	1625.5
5068C	8	18	16 X 30	602-5068C-100	424.27	602-5068C-500	1948.4
5070C	10	18	16 X 30	602-5070C-100	501.72	602-5070C-500	2285.2
5070/15C	15	18	16 X 30	602-5070/15C-100	756.58	602-5070/15C-500	3486.8
5072C	2	16	19 X 29	602-5072C-100	201.52	602-5072C-500	918.5
5073C	3	16	19 X 29	602-5073C-100	267.62	602-5073C-500	1231.3
5073/1C	3*	16	19 X 29	602-5073/1C-100	267.62	602-5073/1C-500	1231.3
5074C	4	16	19 X 29	602-5074C-100	335.58	602-5074C-500	1534.2
5076C	6	16	19 X 29	602-5076C-100	453.68	602-5076C-500	2089.6
5078C	8	16	19 X 29	602-5078C-100	609.71	602-5078C-500	2801.5
5080C	10	16	19 X 29	602-5080C-100	839.48	602-5080C-500	3866.6
5080/15C	15	16	19 X 29	602-5080/15C-100	1045.46	602-5080/15C-500	4803.5

FOIL SHIELD



Recommend Heat Shrink FIT221

Recommend Heat Shrink FIT321

Multiconductor

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool
5192C	2	22	7 X 30	602-5192C-100	147.70	602-5192C-500	654.38
5193C	3	22	7 X 30	602-5193C-100	173.39	602-5193C-500	773.62
5194C	4	22	7 X 30	602-5194C-100	213.85	602-5194C-500	910.06
5196C	6	22	7 X 30	602-5196C-100	244.35	602-5196C-500	1118.39
5198C	8	22	7 X 30	602-5198C-100	300.35	602-5198C-500	1278.55
5199/10C	10	22	7 X 30	602-5199/10C-100	336.02	602-5199/10C-500	1544.50
5199/15C	15	22	7 X 30	602-5199/15C-100	455.03	602-5199/15C-500	2018.69
5199/25C	25	22	7 X 30	602-5199/25C-100	614.20	602-5199/25C-500	3008.86
5462C	2	20	7 X 28	-----	----	602-5462C-500	758.43
5463C	3	20	7 X 28	602-5463C-100	213.85	602-5463C-500	910.06
5464C	4	20	7 X 28	602-5464C-100	221.46	602-5464C-500	1006.93
5466C	6	20	7 X 28	602-5466C-100	293.04	602-5466C-500	1278.55
5468C	8	20	7 X 28	-----	----	602-5468C-500	1519.70
5470C	10	20	7 X 28	-----	----	602-5470C-500	1864.71
5470/15C	15	20	7 X 28	-----	----	602-5470/15C-500	2543.00
5382C	2	18	16 X 30	602-5382C-100	235.49	602-5382C-500	1001.92
5383C	3	18	16 X 30	602-5383C-100	244.80	602-5383C-500	1122.82
5384C	4	18	16 X 30	602-5384C-100	285.53	602-5384C-500	1215.25
5386C	6	18	16 X 30	602-5386C-100	367.25	602-5386C-500	1641.36
5388C	8	18	16 X 30	602-5388C-100	474.04	602-5388C-500	2130.33
5390C	10	18	16 X 30	602-5390C-100	552.96	602-5390C-500	2437.37
5390/15C	15	18	16 X 30	602-5390/15C-100	756.58	602-5390/15C-500	3486.87
5362C	2	16	19 X 29	602-5362C-100	244.80	602-5362C-500	1122.82
5363C	3	16	19 X 29	602-5363C-100	312.77	602-5363C-500	1425.51
5364C	4	16	19 X 29	602-5364C-100	358.74	602-5364C-500	1603.30
5366C	6	16	19 X 29	602-5366C-100	501.72	602-5366C-500	2255.33
5368C	8	16	19 X 29	602-5368C-100	647.52	602-5388C-500	2970.03
5370C	10	16	19 X 29	602-5370C-100	868.99	602-5370C-500	4007.99
5370/15C	15	16	19 X 29	602-5370/15C-100	1128.36	602-5370/15C-500	5194.96

Multi-Pair

Alpha Part No.	No. of Pairs	Conductor AWG	Conductor Strand	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool
5491C	1	24	7 X 32	602-5491C-100	151.31	602-5491C-500	654.38
5492C	2	24	7 X 32	602-5492C-100	195.57	602-5492C-500	864.98
5493C	3	24	7 X 32	602-5493C-100	238.11	602-5493C-500	1092.52
5494C	4	24	7 X 32	602-5494C-100	285.44	602-5494C-500	1226.86
5495C	5	24	7 X 32	602-5495C-100	342.87	602-5495C-500	1467.01
5496C	6	24	7 X 32	602-5496C-100	375.30	602-5496C-500	1656.15
5499C	9	24	7 X 32	602-5499C-100	507.08	602-5499C-500	2322.56
5481C	1	22	7 X 30	602-5481C-100	154.95	602-5481C-500	695.05
5482C	2	22	7 X 30	602-5482C-100	213.85	602-5482C-500	910.06
5483C	3	22	7 X 30	602-5483C-100	251.50	602-5483C-500	1133.84
5484C	4	22	7 X 30	602-5484C-100	300.35	602-5484C-500	1345.69
5485C	5	22	7 X 30	602-5485C-100	341.82	602-5485C-500	1544.50
5486C	6	22	7 X 30	602-5486C-100	394.31	602-5486C-500	1750.16
5489C	9	22	7 X 30	602-5489C-100	572.78	602-5489C-500	2623.48

SUPRASHIELDTM
(Foil Shield Plus Braid Shield)

Recommend Heat Shrink FIT221

Recommend Heat Shrink FIT321

Multiconductor

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool
5102C	2	22	7 X 30	602-5102C-100	239.10	602-5102C-500	1030.3
5103C	3	22	7 X 30	602-5103C-100	251.50	602-5103C-500	1154.2
5104C	4	22	7 X 30	602-5104C-100	266.89	602-5104C-500	1224.2
5106C	6	22	7 X 30	602-5106C-100	339.38	602-5106C-500	1515.8
5108C	8	22	7 X 30	602-5108C-100	383.80	602-5108C-500	1770.4
5110C	10	22	7 X 30	602-5110C-100	449.43	602-5110C-500	2066.2
5110/15C	15	22	7 X 30	602-5110/15C-100	636.22	602-5110/15C-500	2926.6
5152C	2	20	7 X 28	602-5152C-100	260.19	602-5152C-500	1197.2
5153C	3	20	7 X 28	602-5153C-100	298.20	602-5153C-500	1364.2
5154C	4	20	7 X 28	602-5154C-100	325.35	602-5154C-500	1488.2
5156C	6	20	7 X 28	602-5156C-100	431.50	602-5156C-500	1981.3
5158C	8	20	7 X 28	602-5158C-100	473.06	602-5158C-500	2179.2
5160C	10	20	7 X 28	-----	----	602-5160C-500	2717.2
5160/15C	15	20	7 X 28	-----	----	602-5160/15C-500	3849.4
5162C	2	18	16 X 30	602-5162C-100	306.80	602-5162C-500	1414.2
5162/1C	2*	18	16 X 30	602-5162/1C-100	306.80	602-5162/1C-500	1414.2
5163C	3	18	16 X 30	602-5163C-100	362.19	602-5163C-500	1649.2
5163/1C	3*	18	16 X 30	602-5163/1C-100	362.19	602-5163/1C-500	1649.2
5164C	4	18	16 X 30	602-5164C-100	401.92	602-5164C-500	1853.2
5166C	6	18	16 X 30	602-5166C-100	535.04	602-5166C-500	2456.2
5168C	8	18	16 X 30	602-5168C-100	652.50	602-5168C-500	3001.2
5170C	10	18	16 X 30	602-5170C-100	845.72	602-5170C-500	3601.2
5170/15C	15	18	16 X 30	602-5170/15C-100	1103.91	602-5170/15C-500	5091.2
5172C	2	16	19 X 29	602-5172C-100	366.07	602-5172C-500	1621.2
5173C	3	16	19 X 29	602-5173C-100	453.95	602-5173C-500	2088.2
5174C	4	16	19 X 29	602-5174C-100	501.65	602-5174C-500	2306.2
5176C	6	16	19 X 29	602-5176C-100	684.26	602-5176C-500	3117.2
5178C	8	16	19 X 29	602-5178C-100	899.92	602-5178C-500	4147.2
5180C	10	16	19 X 29	602-5180C-100	1097.76	602-5180C-500	5060.2
5180/15C	15	16	19 X 29	602-5180/15C-100	1519.68	602-5180/15C-500	7010.2

Multi-Pair

Alpha Part No.	No. of Pairs	Conductor AWG	Conductor Strand	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool
5271C	1	24	7 X 32	602-5271C-100	211.68	602-5271C-500	960.2
5272C	2	24	7 X 32	602-5272C-100	274.47	602-5272C-500	1210.2
5273C	3	24	7 X 32	602-5273C-100	333.23	602-5273C-500	1528.2
5274C	4	24	7 X 32	602-5274C-100	395.75	602-5274C-500	1825.2
5275C	5	24	7 X 32	602-5275C-100	467.17	602-5275C-500	2151.2
5276C	6	24	7 X 32	602-5276C-100	486.97	602-5276C-500	2245.2
5279C	9	24	7 X 32	602-5279C-100	651.33	602-5279C-500	2998.2
5121C	1	22	7 X 30	602-5121C-100	231.51	602-5121C-500	985.2
5122C	2	22	7 X 30	602-5122C-100	289.41	602-5122C-500	1334.2
5123C	3	22	7 X 30	602-5123C-100	371.95	602-5123C-500	1712.2
5124C	4	22	7 X 30	-----	----	602-5124C-500	1967.2
5125C	5	22	7 X 30	602-5125C-100	511.77	602-5125C-500	2349.2
5126C	6	22	7 X 30	602-5126C-100	567.53	602-5126C-500	2614.2
5129C	9	22	7 X 30	602-5129C-100	762.29	602-5129C-500	3513.2

ALPHA WIRE XTRA-GUARD Flexible Data Cables

A-GUARD® FLEXIBLE CABLE

onductor Shielded

ations:

g Temperature: 5°C to 105°C
Rating: 300V
Gray Oil Resistant PVC
n Thickness: .010"
flexibility in small spaces
al flexing in cable tracks
d and Recognized, CSA Certified, CE Marked

tions:

al Electronic Processing Equipment
mm Connections
ting Sensors and Actuators to Controllers
and I/O Interconnects

Recommend Heat Shrink FIT650

a o.	No. of Cond.	Conductor AWG	Conductor Strand	Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool
CY	2	28	7/36	0.17	602-86002CY-100	99.55	602-86002CY-500	425.86
CY	3	28	7/36	0.18	602-86003CY-100	110.41	602-86003CY-500	459.25
CY	4	28	7/36	0.19	602-86004CY-100	123.08	602-86004CY-500	526.04
CY	5	28	7/36	0.20	602-86005CY-100	152.04	602-86005CY-500	642.95
CY	7	28	7/36	0.22	602-86007CY-100	173.76	602-86007CY-500	734.80
CY	12	28	7/36	0.28	602-86012CY-100	190.06	602-86012CY-500	809.94
CY	18	28	7/36	0.29	602-86018CY-100	255.21	602-86018CY-500	1085.50
CY	2	26	7/34	0.18	602-86102CY-100	110.41	602-86102CY-500	459.25
CY	3	26	7/34	0.19	602-86103CY-100	123.08	602-86103CY-500	526.05
CY	4	26	7/34	0.20	602-86104CY-100	150.23	602-86104CY-500	634.61
CY	5	26	7/34	0.21	602-86105CY-100	168.34	602-86105CY-500	701.40
CY	7	26	7/34	0.23	602-86107CY-100	175.57	602-86107CY-500	751.51
CY	12	26	7/34	0.29	602-86112CY-100	220.82	602-86112CY-500	943.54
CY	18	26	7/34	0.30	602-86118CY-100	275.12	602-86118CY-500	1169.00
CY	2	24	10/34	0.19	602-86202CY-100	121.28	602-86202CY-500	509.35
CY	3	24	10/34	0.20	602-86203CY-100	139.37	602-86203CY-500	584.50
CY	4	24	10/34	0.21	602-86204CY-100	161.09	602-86204CY-500	693.04
CY	5	24	10/34	0.23	602-86205CY-100	173.77	602-86205CY-500	743.15
CY	7	24	10/34	0.25	602-86207CY-100	195.49	602-86207CY-500	826.66
CY	12	24	10/34	0.32	602-86212CY-100	228.05	602-86212CY-500	968.60
CY	18	24	10/34	0.33	602-86218CY-100	296.84	602-86218CY-500	1260.85
CY	2	22	19/34	0.20	602-86302CY-100	128.50	602-86302CY-500	559.46
CY	3	22	19/34	0.21	602-86303CY-100	157.46	602-86303CY-500	676.35
CY	4	22	19/34	0.23	602-86304CY-100	173.76	602-86304CY-500	743.15
CY	5	22	19/34	0.25	602-86305CY-100	186.42	602-86305CY-500	793.25
CY	7	22	19/34	0.27	602-86307CY-100	209.96	602-86307CY-500	893.45
CY	12	22	19/34	0.35	602-86312CY-100	262.44	602-86312CY-500	1118.90
CY	18	22	19/34	0.36	602-86318CY-100	347.53	602-86318CY-500	1477.95

XTRA-GUARD® HIGH-FLEX MINI DIAMETER CABLE

Multipair Shielded

Specifications:

- Operating Temperature: 5°C to 105°C
- Voltage Rating: 300V
- Jacket: Gray Oil Resistant PVC
- Insulation Thickness: .010"
- Extreme flexibility in small spaces
- Continual flexing in cable tracks
- UL Listed and Recognized, CSA Certified, CE Marked

Applications:

- Industrial Electronic Processing Equipment
- DataComm Connections
- Connecting Sensors and Actuators to Controllers
- Sensor and I/O Interconnects

Recommend Heat Shrink FIT650

Alpha Part No.	No. of Pairs	Conductor AWG	Conductor Strand	Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool
86401CY	1	28	7/36	0.18	602-86401CY-100	197.30	602-86401CY-500	843.35
86402CY	2	28	7/36	0.23	602-86402CY-100	213.57	602-86402CY-500	918.50
86403CY	3	28	7/36	0.24	602-86403CY-100	255.22	602-86403CY-500	1085.50
86404CY	4	28	7/36	0.25	602-86404CY-100	276.94	602-86404CY-500	1168.99
86405CY	5	28	7/36	0.27	602-86405CY-100	311.31	602-86405CY-500	1319.29
86406CY	6	28	7/36	0.30	602-86406CY-100	334.85	602-86406CY-500	1427.86
86408CY	8	28	7/36	0.33	602-86408CY-100	394.57	602-86408CY-500	1670.00
86410CY	10	28	7/36	0.38	602-86410CY-100	577.39	602-86410CY-500	2454.90
86501CY	1	26	7/34	0.19	602-86501CY-100	161.09	602-86501CY-500	693.05
86502CY	2	26	7/34	0.24	602-86502CY-100	182.81	602-86502CY-500	776.54
86503CY	3	26	7/34	0.25	602-86503CY-100	195.48	602-86503CY-500	910.96
86504CY	4	26	7/34	0.27	602-86504CY-100	226.26	602-86504CY-500	960.26
86505CY	5	26	7/34	0.29	602-86505CY-100	251.60	602-86505CY-500	1060.44
86506CY	6	26	7/34	0.31	602-86506CY-100	285.97	602-86506CY-500	1219.10
86508CY	8	26	7/34	0.35	602-86508CY-100	349.33	602-86508CY-500	1486.29
86510CY	10	26	7/34	0.40	602-86510CY-100	383.72	602-86510CY-500	1636.60
86601CY	1	24	10/34	0.20	602-86601CY-100	146.61	602-86601CY-500	609.55
86602CY	2	24	10/34	0.26	602-86602CY-100	186.43	602-86602CY-500	793.26
86603CY	3	24	10/34	0.27	602-86603CY-100	220.83	602-86603CY-500	943.56
86604CY	4	24	10/34	0.29	602-86604CY-100	251.60	602-86604CY-500	1060.44
86605CY	5	24	10/34	0.31	602-86605CY-100	285.98	602-86605CY-500	1219.10
86606CY	6	24	10/34	0.34	602-86606CY-100	313.13	602-86606CY-500	1327.65
86608CY	8	24	10/34	0.37	602-86608CY-100	403.64	602-86608CY-500	1728.46
86610CY	10	24	10/34	0.44	602-86610CY-100	472.40	602-86610CY-500	2020.71
86701CY	1	22	19/34	0.21	602-86701CY-100	170.14	602-86701CY-500	726.45
86702CY	2	22	19/34	0.28	602-86702CY-100	209.96	602-86702CY-500	901.79
86703CY	3	22	19/34	0.29	602-86703CY-100	255.21	602-86703CY-500	1085.50
86704CY	4	22	19/34	0.31	602-86704CY-100	284.17	602-86704CY-500	1210.74
86705CY	5	22	19/34	0.34	602-86705CY-100	333.05	602-86705CY-500	1411.15
86706CY	6	22	19/34	0.37	602-86706CY-100	374.67	602-86706CY-500	1603.20
86708CY	8	22	19/34	0.42	602-86708CY-100	552.05	602-86708CY-500	2346.34
86710CY	10	22	19/34	0.50	602-86710CY-100	575.58	602-86710CY-500	2446.55

A-GUARD® 2 MULTICONDUCTOR, SHIELDED

ications:

ting Temperature: -20°C to +90°C
e Rating: 300V
t: Specially formulated Polyurethane
tion Thickness: .017"
tched resistance to oils, fuels, solvents, and water
the tensile strength of PVC
times the tear and abrasion resistance of PVC
rdinary fungus resistance
ded tinned copper

Applications:

- Automotive Assembly Plant Operations
- CNC Machine Centers
- Military Ground Support Systems
- Packing Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

Recommend Heat Shrink FIT750

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
25062	2	18	16/30	0.23	602-25062-500	994.82	602-25062-1000	1668.27
25064	4	18	16/30	0.26	602-25064-500	1477.19	602-25064-1000	2468.33
25066	6	18	16/30	0.31	602-25066-500	2086.50	602-25066-1000	3360.10
25070	10	18	16/30	0.39	602-25070-500	3170.40	602-25070-1000	5853.50
25070/15	15	18	16/30	0.45	602-25070/15-500	4593.00	602-25070/15-1000	7105.85

A-GUARD® 2 MULTICONDUCTOR, SUPRASHIELD

ications:

ding Temperature: -20°C to +90°C
e Rating: 300V
t: Specially formulated Polyurethane
tion Thickness: .010"
tched resistance to oils, fuels, solvents, and water
the tensile strength of PVC
times the tear and abrasion resistance of PVC
ded tinned copper
RASHIELD - Twice as effective as foil shielding

cations:

notive Assembly Plant Operations
Machine Centers
ng Machinery
chemical Plant Operations
hysical Exploration Equipment

Recommend Heat Shrink FIT750

ha No.	No. of Cond.	Conductor AWG	Conductor Strand	Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
ation Thickness: 0.010"								
4	4	24	7/32	0.21	602-25114-500	1553.70	602-25114-1000	2868.43
0/15	10	24	7/32	0.30	602-25120/15-500	3399.62	602-25120/15-1000	6276.60
ation Thickness: 0.017"								
3	3	20	7/28	0.26	602-25153-500	1790.32	602-25153-1000	3305.41
4	4	20	7/28	0.28	602-25154-500	2028.47	602-25154-1000	3745.15
8	8	18	16/30	0.38	602-25168-500	3905.63	602-25168-1000	7210.76
0	10	18	16/30	0.41	602-25170-500	5262.51	602-25170-1000	9716.11
ation Thickness: 0.032" 600 Volt UL AWM 20952 CSA AWM I A/B II A/B FT1								
4	4	16	19/0.0117	0.49	602-25534-500	4241.88	602-25534-1000	7831.70
4	4	14	41/30	0.51	602-25544-500	5355.11	602-25544-1000	9886.94

XTRA-GUARD® 2 MULTICONDUCTOR, FOIL SHIELDED

Specifications:

- Operating Temperature: -20°C to +90°C
- Voltage Rating: 300V
- Jacket: Specially formulated Polyurethane
- Insulation Thickness: .017"
- Unmatched resistance to oils, fuels, solvents, and water
- Twice the tensile strength of PVC
- Three times the tear and abrasion resistance of PVC
- Extraordinary fungus resistance
- Stranded tinned copper

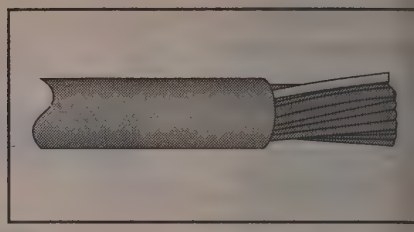
Applications:

- Automotive Assembly Plant Operations
- CNC Machine Centers
- Military Ground Support Systems
- Packing Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

Recommend Heat Shrink FIT750

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
Insulation Thickness: 0.010"								
25092	2	24	7/32	0.16	602-25092-500	954.90	602-25092-1000	1763.04
25093	3	24	7/32	0.17	602-25093-500	985.38	602-25093-1000	1819.12
25098	8	24	7/32	0.22	602-25098-500	1606.70	602-25098-1000	2966.29
25100	10	24	7/32	0.25	602-25100-500	1822.30	602-25100-1000	3364.33
25196	6	22	7/30	0.23	602-25196-500	1528.88	602-25196-1000	2822.65
Insulation Thickness: 0.017"								
25464	4	20	7/28	0.24	602-25464-500	1403.47	602-25464-1000	2591.12
25468	8	20	7/28	0.31	602-25468-500	2022.87	602-25468-1000	3734.86
25382	2	18	16/30	0.23	602-25382-500	1103.28	602-25382-1000	2037.04
25384	4	18	16/30	0.26	602-25384-500	1710.74	602-25384-1000	3158.42
25388	8	18	16/30	0.33	602-25388-500	2880.25	602-25388-1000	5317.74
25362	2	16	19/.0117	0.25	602-25362-500	1477.19	602-25362-1000	2727.10
25363	3	16	19/.0117	0.27	602-25363-500	1881.09	602-25363-1000	3472.81

ALPHA WIRE MULTICONDUCTOR, UNSHIELDED STANDARD-FLEX CONTROL CABLE



Features:
- Outstanding Oil and Chemical Resistance
- UL Recognized and CSA Certified, CE Marked
- Ease of Installation
- Not for use in High-Flex Applications

Characteristics:
- Operating Temperature: -5C to 90C
- Voltage Ratings: 600 Volt
- Conductor: Finely Stranded Bare Copper
- Insulation: Lubricated PVC
- Jacket: OIL Resistant PVC

Recommend Heat Shrink FIT650

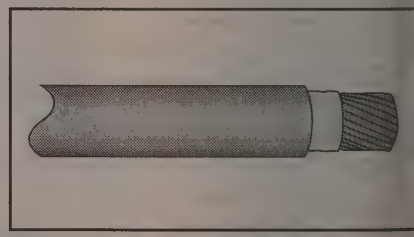
Recommend Heat Shrink FITFlex

Specifications:
- UL AWM Style 2587
- Jacket Meets VDE 0472, Section 803 Oil Test
- Bend Radius: 5X Cable Diameter

Applications:
- Increased Flexibility
- Machine Tools
- CNC Machine Centers
- Data Processing Equipment
- Automation Equipment
- Material Handling Equipment

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	Insulation Thickness	Norm O.D.(in.)	MOUSER STOCK NO. 100 Foot Spools	Price Per 100	MOUSER STOCK NO. 500 Foot Spools	Price Per 500	MOUSER STOCK NO. 1000 Foot Spools	Price Per 1000
65002	2	20	10x30	.022	0.230	602-65002	77.69	602-65002-500	277.49	602-65002-1000	407.01
65003	3	20	10x30	.022	0.240	602-65003	86.95	602-65003-500	323.75	602-65003-1000	481.02
65004	4	20	10x30	.022	0.260	602-65004	96.20	602-65004-500	360.75	602-65004-1000	518.00
65005	5	20	10x30	.022	0.290	602-65005	112.86	602-65005-500	425.51	602-65005-1000	647.50
65007	7	20	10x30	.022	0.310	602-65007	157.24	602-65007-500	591.99	602-65007-1000	869.51
65009	9	20	10x30	.022	0.410	602-65009	318.20	602-65009-500	1230.25	602-65009-1000	1813.01
65012	12	20	10x30	.022	0.420	602-65012	331.16	602-65012-500	1276.51	602-65012-1000	1905.50
65018	18	20	10x30	.022	0.510	602-65018	481.01	602-65018-500	1831.49	602-65018-1000	2756.50
65025	25	20	10x30	.022	0.590	602-65025	714.09	602-65025-500	2728.76	602-65025-1000	4143.98
65802	2	18	16x30	.022	0.250	602-65802	77.71	602-65802-500	314.49	602-65802-1000	444.00
65803	3	18	16x30	.022	0.260	602-65803	96.20	602-65803-500	370.01	602-65803-1000	555.00
65804	4	18	16x30	.022	0.285	602-65804	127.64	602-65804-500	480.99	602-65804-1000	721.50
65805	5	18	16x30	.022	0.310	602-65805	160.95	602-65805-500	619.74	602-65805-1000	925.01
65807	7	18	16x30	.022	0.340	602-65807	221.99	602-65807-500	860.24	602-65807-1000	1276.51
65809	9	18	16x30	.022	0.445	602-65809	345.96	602-65809-500	1332.00	602-65809-1000	1979.49
65812	12	18	16x30	.022	0.460	602-65812	403.30	602-65812-500	1729.76	602-65812-1000	2331.01
65818	18	18	16x30	.022	0.550	602-65818	558.70	602-65818-500	2146.00	602-65818-1000	3219.00
65825	25	18	16x30	.022	0.635	602-65825	789.95	602-65825-500	3034.00	602-65825-1000	4477.01
65834	34	18	16x30	.022	0.750	602-65834	1137.76	602-65834-500	4328.98	602-65834-1000	6419.50
65841	41	18	16x30	.022	0.810	602-65841	1341.25	602-65841-500	5133.75	602-65841-1000	7622.01
65602	2	16	26x30	.022	0.275	602-65602	122.11	602-65602-500	471.74	602-65602-1000	684.49
65603	3	16	26x30	.022	0.290	602-65603	160.94	602-65603-500	610.51	602-65603-1000	925.01
65604	4	16	26x30	.022	0.315	602-65604	203.50	602-65604-500	714.30	602-65604-1000	1165.50
65605	5	16	26x30	.022	0.350	602-65605	257.16	602-65605-500	989.76	602-65605-1000	1461.51
65607	7	16	26x30	.022	0.380	602-65607	336.70	602-65607-500	1313.50	602-65607-1000	1942.52
65609	9	16	26x30	.022	0.510	602-65609	532.80	602-65609-500	2062.76	602-65609-1000	3052.51
65612	12	16	26x30	.022	0.530	602-65612	614.20	602-65612-500	2377.26	602-65612-1000	3533.49
65618	18	16	26x30	.022	0.620	602-65618	893.57	602-65618-500	3431.74	602-65618-1000	5124.51
65625	25	16	26x30	.022	0.750	602-65625	1221.01	602-65625-500	4615.74	602-65625-1000	6882.01
65641	41	16	26x30	.022	0.940	602-65641	1979.51	602-65641-500	7677.50	602-65641-1000	11377.49
65402	2	14	41x30	.022	0.325	602-65402	197.93	602-65402-500	749.24	602-65402-1000	1109.99
65403	3	14	41x30	.022	0.345	602-65403	247.89	602-65403-500	961.99	602-65403-1000	1424.49
65404	4	14	41x30	.022	0.400	602-65404	296.00	602-65404-500	1137.76	602-65404-1000	1702.00
65405	5	14	41x30	.022	0.430	602-65405	371.84	602-65405-500	1424.49	602-65405-1000	2146.00
65407	7	14	41x30	.022	0.470	602-65407	545.74	602-65407-500	2090.51	602-65407-1000	3108.01
65409	9	14	41x30	.022	0.615	602-65409	830.65	602-65409-500	3191.24	602-65409-1000	4754.49
65412	12	14	41x30	.022	0.660	602-65412	831.39	602-65412-500	3496.51	602-65412-1000	5198.49
65418	18	14	41x30	.022	0.770	602-65418	1424.52	602-65418-500	5364.99	602-65418-1000	8010.50
65425	25	14	41x30	.022	0.945	602-65425	1840.75	602-65425-500	7076.25	602-65425-1000	10452.51

ALPHA WIRE MULTICONDUCTOR, UNSHIELDED HIGH-FLEX CONTROL CABLE



Features:
- Outstanding Oil and Chemical Resistance
- UL Recognized and CSA Certified, CE Marked
- Extra Flexibility and Durability for Continuous Motion
- Extended Flex Life

Characteristics:
- Operating Temperature: -5C to 90C
- Voltage Ratings: 600 Volt
- Conductor: Super Finely Stranded Bare Copper
- Insulation: Lubricated PVC
- Jacket: OIL Resistant PVC

Recommend Heat Shrink FIT650

Recommend Heat Shrink FITFlex

Specifications:
- UL AWM Style 2587
- Jacket Meets VDE 0472, Section 803 Oil Test
- Passes MIL-C 13777G Flexlife Test
- Bend Radius: 8X Cable Diameter

Applications:
- Robotics
- Assembly
- Installation in Cable Track
- Data Processing Equipment
- Automation Equipment
- Material Handling Equipment

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	Insulation Thickness	Norm O.D.(in.)	MOUSER STOCK NO. 100 Foot Spools	Price Per 100	MOUSER STOCK NO. 500 Foot Spools	Price Per 500	MOUSER STOCK NO. 1000 Foot Spools	Price Per 1000
85004	4	20	65x38	.022	0.287	602-85004	418.11	602-85004-500	1554.01	602-85004-1000	2349.49
85005	5	20	65x38	.022	0.319	602-85005	466.21	602-85005-500	1729.76	602-85005-1000	2590.01
85007	7	20	65x38	.022	0.368	602-85007	684.51	602-85007-500	2534.51	602-85007-1000	3829.51
85012	12	20	65x38	.022	0.454	602-85012	1100.74	602-85012-500	4042.26	602-85012-1000	4980.01
85018	18	20	65x38	.022	0.535	602-85018	1369.00	602-85018-500	5041.25	602-85018-1000	7751.49
85025	25	20	65x38	.022	0.666	602-85025	1942.50	602-85025-500	7215.01	602-85025-1000	11007.51
85034	34	20	65x38	.022	0.733	602-85034	2238.51	602-85034-500	10313.75	602-85034-1000	13412.50
85803	3	18	15x38	.022	0.286	602-85803	442.16	602-85803-500	1627.99	602-85803-1000	2479.01
85804	4	18	15x38	.022	0.310	602-85804	529.11	602-85804-500	1951.74	602-85804-1000	2978.50
85805	5	18	15x38	.022	0.337	602-85805	586.45	602-85805-500	2192.26	602-85805-1000	3311.49
85807	7	18	15x38	.022	0.407	602-85807	895.39	602-85807-500	3302.26	602-85807-1000	5013.51
85812	12	18	15x38	.022	0.502	602-85812	1415.25	602-85812-500	5226.24	602-85812-1000	7806.99
85815	15	18	15x38	.022	0.553	602-85815	1581.76	602-85815-500	5827.49	602-85815-1000	8769.00
85818	18	18	15x38	.022	0.583	602-85818	1757.49	602-85818-500	6521.25	602-85818-1000	9805.01
85825	25	18	15x38	.022	0.722	602-85825	2451.24	602-85825-500	9157.49	602-85825-1000	13967.51
85834	34	18	15x38	.022	0.799	602-85834	2867.51	602-85834-500	10683.75	602-85834-1000	16280.00
85603	3	16	168x38	.022	0.325	602-85603	603.10	602-85603-500	2229.26	602-85603-1000	3404.00
85604	4	16	168x38	.022	0.354	602-85604	706.71	602-85604-500	2627.01	602-85604-1000	3977.50
85605	5	16	168x38	.022	0.387	602-85605	893.55	602-85605-500	3302.25	602-85605-1000	5050.52
85607	7	16	168x38	.022	0.456	602-85607	1304.26	602-85607-500	4809.99	602-85607-1000	7215.00
85612	12	16	168x38	.022	0.567	602-85612	2053.51	602-85612-500	7584.99	602-85612-1000	11655.01

IA WIRE MULTICONDUCTOR , UNSHIELDED HIGH-FLEX CONTROL CABLE (CONT.)

e:
- nding Oil and Chemical Resistance
- ognized and CSA Certified, CE Marked
- lexibility and Durability for Continuous Motion
- ed Flex Life

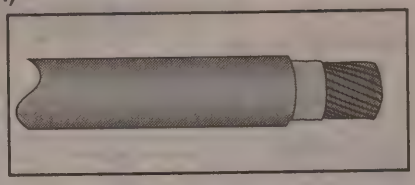
Characteristics:
- Operating Temperature: -5C to 90C
- Voltage Ratings: 600 Volt
- Conductor: Super Finely Stranded Bare Copper
- Insulation: Lubricated PVC
- Jacket: OIL Resistant PVC

cations:
- M Style 2587
- Meets VDE 0472, Section 803 Oil Test
- MIL-C 13777G Flexlife Test
- adius: 8X Cable Diameter

Applications:
- Robotics
- Assembly
- Installation in Cable Track
- Data Processing Equipment
- Automation Equipment
- Material Handling Equipment

Recommend Heat Shrink FIT650

Recommend Heat Shrink FITFlex



lpha rt No.	No. of Cond.	Conductor AWG	Conductor Strand	Insulation Thickness	Norm O.D.(In.)	MOUSER STOCK NO. 100 Foot Spools	Price Per 100	MOUSER STOCK NO. 500 Foot Spools	Price Per 500	MOUSER STOCK NO. 1000 Foot Spools	Price Per 1000
5618	18	16	168x38	.022	0.662	602-85618	2876.76	602-85618-500	10683.76	602-85618-1000	16280.01
5625	25	16	168x38	.022	0.833	602-85625	4014.49	602-85625-500	14892.51	602-85625-1000	22662.52
5634	34	16	168x38	.022	0.924	602-85634	5263.26	602-85634-500	19517.49	602-85634-1000	29692.50
5404	4	14	266x38	.022	0.425	602-85404	871.36	602-85404-500	3237.51	602-85404-1000	4902.50
5407	7	14	266x38	.022	0.571	602-85407	1840.76	602-85407-500	6798.75	602-85407-1000	10360.00

HA WIRE MULTICONDUCTOR, SHIELDED STANDARD-FLEX CONTROL CABLE

s:
- nding Oil and Chemical Resistance
- cognized and CSA Certified, CE Marked
- f Installation
- use in High-Flex Applications

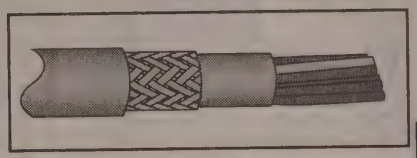
Characteristics:
- Operating Temperature: -5C to 90C
- Voltage Ratings: 600 Volt
- Conductor: Finely Stranded Bare Copper
- Insulation: Lubricated PVC
- Outer Jacket: OIL Resistant PVC

cations:
- M Style 2587
- Meets VDE 0472, Section 803 Oil Test
- Radius: 8X Cable Diameter

Applications:
- Increased Flexibility
- Machine Tools
- Data Processing Equipment
- Automation Equipment

Recommend Heat Shrink FIT650

Recommend Heat Shrink FITFlex



lpha rt No.	No. of Cond.	Conductor AWG	Conductor Strand	Insulation Thickness	Norm O.D.(In.)	MOUSER STOCK NO. 100 Foot Spools	Price Per 100	MOUSER STOCK NO. 500 Foot Spools	Price Per 500	MOUSER STOCK NO. 1000 Foot Spools	Price Per 1000
003CY	3	20	10x30	.022	0.320	602-65003CY	349.64	602-65003CY-500	1267.26	602-65003CY-1000	2016.50
007CY	7	20	10x30	.022	0.385	602-65007CY	466.19	602-65007CY-500	2118.25	602-65007CY-1000	2645.51
012CY	12	20	10x30	.022	0.500	602-65012CY	702.99	602-65012CY-500	3515.01	602-65012CY-1000	3959.00
025CY	25	20	10x30	.022	0.685	602-65025CY	1202.51	602-65025CY-500	4403.01	602-65025CY-1000	6955.99
303CY	3	18	16x30	.022	0.340	602-65803CY	556.85	602-65803CY-500	2146.01	602-65803CY-1000	3163.50
304CY	4	18	16x30	.022	0.360	602-65804CY	595.05	602-65804CY-500	2525.24	602-65804CY-1000	3718.51
305CY	5	18	16x30	.022	0.400	602-65805CY	714.10	602-65805CY-500	2728.75	602-65805CY-1000	4033.00
307CY	7	18	16x30	.022	0.420	602-65807CY	804.76	602-65807CY-500	3080.26	602-65807CY-1000	4569.51
312CY	12	18	16x30	.022	0.550	602-65812CY	1230.25	602-65812CY-500	6290.00	602-65812CY-1000	6900.51
318CY	18	18	16x30	.022	0.640	602-65818CY	1572.50	602-65818CY-500	6058.75	602-65818CY-1000	8861.50
325CY	25	18	16x30	.022	0.750	602-65825CY	2025.74	602-65825CY-500	7769.99	602-65825CY-1000	11562.49
603CY	3	16	26x30	.022	0.375	602-65603CY	638.25	602-65603CY-500	2460.51	602-65603CY-1000	3644.49
604CY	4	16	26x30	.022	0.400	602-65604CY	638.25	602-65604CY-500	2886.01	602-65604CY-1000	4310.49
605CY	5	16	26x30	.022	0.435	602-65605CY	815.85	602-65605CY-500	3126.50	602-65605CY-1000	4643.51
607CY	7	16	26x30	.022	0.465	602-65607CY	934.26	602-65607CY-500	3579.76	602-65607CY-1000	5309.51
612CY	12	16	26x30	.022	0.625	602-65612CY	1489.26	602-65612CY-500	5642.49	602-65612CY-1000	8343.49
618CY	18	16	26x30	.022	0.745	602-65618CY	1988.75	602-65618CY-500	7677.51	602-65618CY-1000	11377.51
625CY	25	16	26x30	.022	0.880	602-65625CY	2673.25	602-65625CY-500	10221.24	602-65625CY-1000	15262.50
403CY	3	14	41x30	.022	0.430	602-65403CY	778.85	602-65403CY-500	2987.76	602-65403CY-1000	4421.50
404CY	4	14	41x30	.022	0.470	602-65404CY	910.20	602-65404CY-500	3478.01	602-65404CY-1000	5179.99
405CY	5	14	41x30	.022	0.520	602-65405CY	952.75	602-65405CY-500	3653.75	602-65405CY-1000	5420.51
407CY	7	14	41x30	.022	0.565	602-65407CY	1258.00	602-65407CY-500	4810.01	602-65407CY-1000	7141.01

PHA WIRE MULTICONDUCTOR , SHIELDED HIGH-FLEX CONTROL CABLE

res:
- tanding Oil and Chemical Resistance
- ecognized and CSA Certified, CE Marked
- Flexibility and Durability for Continuous Motion

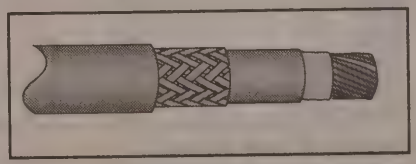
Characteristics:
- Operating Temperature: -5C to 90C
- Voltage Ratings: 600 Volt
- Conductor: Super Finely Stranded Bare Copper
- Insulation: Lubricated PVC
- Outer Jacket: OIL Resistant PVC

fications:
- WM Style 2587
- et Meets VDE 0472, Section 803 Oil Test
- Passes MIL-C 13777G Flexlife Test
- Bend Radius: 10X Cable Diameter

Applications:
- Data Processing Equipment
- Automation Equipment

Recommend Heat Shrink FIT650

Recommend Heat Shrink FITFlex



5003CY	3	20	65x38	.022	0.353	602-85003CY	751.10	602-85003CY-500	2775.00	602-85003CY-1000	4199.50
5004CY	4	20	65x38	.022	0.374	602-85004CY	793.65	602-85004CY-500	2960.01	602-85004CY-1000	4477.00
5005CY	5	20	65x38	.022	0.416	602-85005CY	834.36	602-85005CY-500	3070.99	602-85005CY-1000	4847.00
5007CY	7	20	65x38	.022	0.471	602-85007CY	1248.75	602-85007CY-500	4523.26	602-85007CY-1000	6863.50
5010CY	10	20	65x38	.022	0.551	602-85010CY	1443.00	602-85010CY-500	5318.75	602-85010CY-1000	8065.99
5012CY	12	20	65x38	.022	0.567	602-85012CY	1739.00	602-85012CY-500	6475.01	602-85012CY-1000	7612.51
5018CY	18	20	65x38	.022	0.658	602-85018CY	2155.25	602-85018CY-500	8047.49	602-85018CY-1000	12672.51
5025CY	25	20	65x38	.022	0.791	602-85025CY	2571.50	602-85025CY-500	9527.51	602-85025CY-1000	15262.51
5803CY	3	18	105x38	.022	0.373	602-85803CY	797.34	602-85803CY-500	2969.24	602-85803CY-1000	4495.50
5804CY	4	18	105x38	.022	0.407	602-85804CY	900.94	602-85804CY-500	3330.00	602-85804CY-1000	5068.99
5805CY	5	18	105x38	.022	0.444	602-85805CY	962.01	602-85805CY-500	3551.99	602-85805CY-1000	5401.99
5807CY	7	18	105x38	.022	0.520	602-85807CY	1257.99	602-85807CY-500	4625.01	602-85807CY-1000	7048.50
5812CY	12	18	105x38	.022	0.625	602-85812CY	1812.99	602-85812CY-500	6798.74	602-85812CY-1000	10452.49
5818CY	18	18	105x38	.022	0.708	602-85818CY	2275.51	602-85818CY-500	8417.50	602-85818CY-1000	13135.01
5825CY	25	18	105x38	.022	0.867	602-85825CY	2941.51	602-85825CY-500	10868.74	602-85825CY-1000	16557.49
5603CY	3	16	168x38	.022	0.422	602-85603CY	1193.25	602-85603CY-500	3650.70	602-85603CY-1000	6623.01
5604CY	4	16	168x38	.022	0.461	602-85604CY	1257.99	602-85604CY-500	4615.75	602-85604CY-1000	6993.00
5605CY	5	16	168x38	.022	0.500	602-85605CY	1276.51	602-85605CY-500	4717.48	602-85605CY-1000	7141.00
5607CY	7	16	168x38	.022	0.599	602-85607CY	1729.75	602-85607CY-500	6382.51	602-85607CY-1000	9620.01
5612CY	12	16	168x38	.022	0.702	602-85612CY	2543.76	602-85612CY-500	9481.26	602-85612CY-1000	14245.01
5618CY	18	16	168x38	.022	0.797	602-85618CY	3385.51	602-85618CY-500	12580.01	602-85618CY-1000	19055.01
5625CY	25	16	168x38	.022	0.962	602-85625CY	4514.01	602-85625CY-500	16742.50	602-85625CY-1000	25437.51
5404CY	4	14	266x38	.022	0.538	602-85404CY	1646.49	602-85404CY-500	6151.25	602-85404CY-1000	9194.49
5407CY	7	14	266x38	.022	0.676	602-85407CY	2432.77	602-85407CY-500	9157.51	602-85407CY-1000	13782.49

HOOK-UP WIRE

COLOR CODE CHART
Colors = Ordering Suffix

White = 01	Red = 03	Yellow = 05	Brown = 07	Gray = 09	
Black = 02	Green = 04	Blue = 06	Orange = 08	Violet = 10	

UL1007 PVC Insulation

• Temperature Voltage: 40°C to 80°C (UL AWM 1007) • Voltage Rating: 300V

Alpha Part No.	Conductor AWG	Conductor Strand	Nominal O.D. (in.)	100 Ft. Spools MOUSER STOCK NO.	Spool Price 1	Spool Price 5	1000 Ft. Spools MOUSER STOCK NO.	Spool Price 1	Spool Price 5
Solid Conductor									
3050/1	24	Solid	0.057	602-3050/1-100-__	6.44	6.16	602-3050/1-1000-__	36.98	35.5
3051/1	22	Solid	0.065	602-3051/1-100-__	7.80	7.46	602-3051/1-1000-__	50.15	48.1
3053/1	20	Solid	0.071	602-3053/1-100-__	8.58	8.21	602-3053/1-1000-__	59.48	57.1
Stranded Conductor									
3047	30	7/38	0.043	602-3047-100-__	10.40	9.94	602-3047-1000-__	64.22	59.7
3048	28	7/36	0.047	602-3048-100-__	10.74	10.27	602-3048-1000-__	59.99	55.8
3049	26	7/34	0.051	602-3049-100-__	7.02	6.71	602-3049-1000-__	44.08	42.3
3050	24	7/32	0.057	602-3050-100-__	6.44	6.16	602-3050-1000-__	36.98	35.5
3051	22	7/30	0.065	602-3051-100-__	7.80	7.46	602-3051-1000-__	50.15	48.1
3053	20	10/30	0.071	602-3053-100-__	8.58	8.21	602-3053-1000-__	59.48	57.1
3055	18	16/30	0.080	602-3055-100-__	13.19	12.46	602-3055-1000-__	64.98	61.7
3057	16	26/30	0.095	602-3057-100-__	15.87	15.18	602-3057-1000-__	102.40	98.3

UL1015 PVC Insulation

• Temperature Voltage: -20°C to 105°C • Voltage Rating: 600V

3070	24	7/32	0.088	602-3070-100-__	10.19	9.75	602-3070-1000-__	57.10	54.8
3071	22	7/30	0.094	602-3071-100-__	11.34	10.85	602-3071-1000-__	61.40	51.2
3073	20	10/30	0.100	602-3073-100-__	12.51	11.97	602-3073-1000-__	65.26	59.1
3075	18	16/30	0.112	602-3075-100-__	17.43	16.68	602-3075-1000-__	81.92	72.8
3077	16	26/30	0.124	602-3077-100-__	22.93	21.93	602-3077-1000-__	109.44	101.0
3079	14	41/30	0.134	602-3079-100-__	35.54	33.99	602-3079-1000-__	205.74	200.3
3080	12	65/30	0.162	602-3080-100-__	53.75	51.41	602-3080-1000-__	409.16	402.5
3081	10	105/30	0.180	602-3081-100-__	81.88	78.32	----------	----	

UL1429 Solder Iron Resistant Irradiated PVC Insulation

• Operating temperature: -55°C to 105°C (CSA AWM I A/B FT1) -55°C to 105°C (MIL-W-16878E); -55°C to 80°C (UL AWM 1429)

• Voltage Rating: 150V

7053	26	7/34	0.040	602-7053-100-__	18.58	17.72	602-7053-1000-__	85.67	80.1
7054	24	7/32	0.045	602-7054-100-__	13.04	12.47	602-7054-1000-__	85.33	80.2
7055	22	7/30	0.051	602-7055-100-__	24.96	23.87	602-7055-1000-__	87.18	83.6
7056	20	7/28	0.059	602-7056-100-__	32.34	30.93	602-7056-1000-__	129.73	124.5
7057	18	7/26	0.070	602-7057-100-__	20.77	19.87	602-7057-1000-__	176.40	169.3

MIL-W-16878E PVC Insulation

• Temperature Voltage: -55° C to 105° C • Voltage Rating: 600V

Stranded Conductor									
1852	28	7/36	0.034	602-1852-100-__	18.86	18.04	602-1852-1000-__	92.85	88.3
1853	26	7/34	0.038	602-1853-100-__	18.86	18.04	602-1853-1000-__	100.42	95.6
1854	24	7/32	0.043	602-1854-100-__	17.48	16.72	602-1854-1000-__	94.02	90.1
1854/19	24	19/36	0.043	602-1854/19-100-__	28.08	26.86	602-1854/19-1000-__	113.25	108.6
1855	22	7/30	0.050	602-1855-100-__	18.77	17.95	602-1855-1000-__	101.88	96.8
1855/19	22	19/34	0.050	602-1855/19-100-__	37.05	35.44	602-1855/19-1000-__	111.89	96.8
1856	20	7/28	0.058	602-1856-100-__	23.48	22.46	602-1856-1000-__	107.94	102.8
1856/19	20	19/32	0.058	602-1856/19-100-__	36.48	34.89	602-1856/19-1000-__	143.55	138.6
1857	18	7/26	0.068	602-1857-100-__	25.14	24.05	602-1857-1000-__	177.80	172.5
1857/19	18	19/30	0.068	602-1857/19-100-__	48.85	46.73	602-1857/19-1000-__	188.35	182.7
1858/19	16	19/29	0.077	602-1858/19-100-__	32.15	30.76	602-1858/19-1000-__	199.24	192.8
1859/19	14	19/27	0.091	602-1859/19-100-__	65.41	62.57	602-1859/19-1000-__	257.89	252.6

MIL-W-16878E TFE Teflon Insulation

• Temperature Voltage: -60°C to 200°C • Voltage Rating: 250V

2840/7	32	7/40	0.021	602-2840/7-100-__	19.07	18.24	602-2840/7-1000-__	113.11	108.2
2841/7	30	7/38	0.024	602-2841/7-100-__	19.34	18.50	602-2841/7-1000-__	142.25	137.5
2841/1	30	Solid	0.022	602-2841/1-100-__	23.92	22.88	602-2841/1-1000-__	158.68	153.6
2842/7	28	7/36	0.027	602-2842/7-100-__	20.01	19.14	602-2842/7-1000-__	127.66	122.9
2842/1	28	Solid	0.025	602-2842/1-100-__	24.17	23.12	602-2842/1-1000-__	149.42	136.5
2843/7	26	7/34	0.031	602-2843/7-100-__	21.28	20.35	602-2843/7-1000-__	140.12	135.8
2843/19	26	19/38	0.032	602-2843/19-100-__	28.45	27.21	602-2843/19-1000-__	217.46	209.7
2843/1	26	Solid	0.028	602-2843/1-100-__	26.75	25.59	602-2843/1-1000-__	132.35	127.4
2844/19	24	19/36	0.037	602-2844/19-100-__	28.47	27.24	602-2844/19-1000-__	215.96	209.5
2845/19	22	19/34	0.044	602-2845/19-100-__	31.72	30.34	602-2845/19-1000-__	261.58	257.8

UL 1213 TFE Teflon Insulation

• Temperature Voltage: -60°C to 200°C (UL105°C) • Voltage Rating: 600V

Solid Conductor									
2853/1	26	- - -	0.036	602-2853/1-100-__	25.44	24.33	602-2853/1-1000-__	315.88	303.2
2854/1	24	- - -	0.040	602-2854/1-100-__	31.58	30.21	602-2854/1-1000-__	392.38	376.6
2855/1	22	- - -	0.045	602-2855/1-100-__	35.56	34.01	602-2855/1-1000-__	441.88	424.2
2856/1	20	- - -	0.052	602-2856/1-100-*	48.55	46.44	602-2856/1-1000-*	510.12	488.5
2857/1	18	- - -	0.060	602-2857/1-100-*	123.79	118.40	602-2857/1-1000-*	1606.13	1541.9
Stranded Conductor									
5852	28	7/36	0.036	602-5852-100-__	19.34	18.50	602-5852-1000-__	229.38	220.2
5853	26	7/34	0.040	602-5853-100-__	20.77	19.87	602-5853-1000-__	246.75	236.8
5854	24	19/36	0.045	602-5854-100-__	27.60	26.40	602-5854-1000-__	326.63	313.5
5854/7	24	7/32	0.044	602-5854/7-100-__	22.40	21.43	602-5854/7-1000-__	265.75	255.1
5855	22	19/34	0.051	602-5855-100-__	28.08	26.86	602-5855-1000-__	332.25	318.9
5855/7	22	7/30	0.055	602-5855/7-100-__	30.07	28.64	602-5855/7-1000-__	389.63	374.0
5856	20	19/32	0.059	602-5856-100-__	40.04	38.30	602-5856-1000-__	473.75	454.8
5857	18	19/30	0.070	602-5857-100-__	51.68	49.43	602-5857-1000-__	638.88	613.3
5858	16	19/29	0.077	602-5858-100-__	57.50	54.76	602-5858-1000-__	778.88	747.7
5859	14	19/27	0.094	602-5859-100-**	91.22	87.25	602-5859-1000-**	1139.25	1093.6

* Only available in colors 01 (white), 02 (black), 03 (red)
** Only available in colors 01 (white)

UL 1180 TFE Teflon Insulation

• Temperature Voltage: -60° C to 200° C • Voltage Rating: 1000V

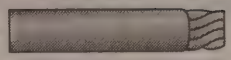
Stranded Conductor									
5874	24	19/36	0.052	602-5874-100-__	33.28	31.83	602-5874-1000-__	393.38	377.6
5875	22	19/34	0.059	602-5875-100-__	37.74	36.10	602-5875-1000-__	447.00	429.1
5876	20	19/32	0.067	602-5876-100-__	47.77	45.69	602-5876-1000-__	565.50	542.6
5877	18	19/30	0.078	602-5877-100-__	59.73	57.13	602-5877-1000-__	738.50	708.9

ALPHA WIRE Hook-up and Bus Bar Wire

OK-UP WIRE

COLOR CODE CHART Colors = Ordering Suffix

White = 01	Red = 03	Yellow = 05	Brown = 07	Gray = 09	
Black = 02	Green = 04	Blue = 06	Orange = 08	Violet = 10	



-W-76B Type MW PVC Insulation

mperature Voltage: -40°C to 80°C • Voltage Rating: 1000V

Alpha Part No.	Conductor AWG	Conductor Strand	Nominal O.D. (In.)	100 Ft. Spools MOUSER STOCK NO.	Spool Price 1	Spool Price 5	1000 Ft. Spools MOUSER STOCK NO.	Spool Price 1	Spool Price 5
0	24	7/32	0.059	602-1550-100-___	9.25	8.84	602-1550-1000-___	56.88	51.74
1	22	7/30	0.064	602-1551-100-___	11.18	10.69	602-1551-1000-___	74.22	69.58
3	20	10/30	0.068	602-1553-100-___	13.66	13.07	602-1553-1000-___	91.88	86.21
5	18	16/30	0.078	602-1555-100-___	16.61	15.88	602-1555-1000-___	117.79	112.54
7	16	26/30	0.092	602-1557-100-___	23.21	22.20	602-1557-1000-___	184.12	179.87
9	14	41/30	0.101	602-1559-100-___	41.12	39.34	602-1559-1000-___	324.58	319.58
0	12	65/30	0.125	602-1560-100-___	63.20	60.46	602-1560-1000-___	415.22	409.87
1/24	24	Solid	0.055	602-1561/24-100-___	11.16	10.67	602-1561/24-1000-___	64.22	59.77
1	22	Solid	0.060	602-1561-100-___	11.16	10.67	602-1561-1000-___	73.44	69.74
3	20	Solid	0.066	602-1563-100-___	13.18	12.61	602-1563-1000-___	99.65	94.66
5	18	Solid	0.074	602-1565-100-___	19.92	19.05	602-1565-1000-___	138.14	133.58

1430 Irradiated PVC Insulation

mperature Voltage: -55°C to 105°C • Voltage Rating: 300V

Alpha Part No.	Conductor AWG	Conductor Strand	Nominal O.D. (In.)	100 Ft. Spools MOUSER STOCK NO.	Spool Price 1	Spool Price 5	1000 Ft. Spools MOUSER STOCK NO.	Spool Price 1	Spool Price 5
0	24	7/32	0.056	602-7130-100-___	27.28	26.09	602-7130-1000-___	114.86	109.58
1	22	7/30	0.062	602-7131-100-___	29.51	28.23	602-7131-1000-___	136.52	131.48
2	20	7/28	0.070	602-7132-100-___	33.28	31.83	602-7132-1000-___	158.33	152.48
3	18	7/26	0.082	602-7133-100-___	37.84	36.19	602-7133-1000-___	199.89	193.54
4	16	19/29	0.092	602-7134-100-___	53.25	50.93	602-7134-1000-___	264.79	257.44

ar® Insulation for e Wrap (UL 1422, UL1423)

wrapping is an automatic or semi-automatic termination method generally used in scale wiring of computer backpanels. It involves the helical wrapping of a solid uctor around a rectangular post under controlled tension. Alpha Kynar wire wrap is ufactured with silver-plated OFHC (Oxygen-Free High Conductivity) conductor.

LOR CODE CHART Colors = Ordering Suffix

hite = 01	Red = 03	Yellow = 05	Brown = 07	Gray = 09	
ack = 02	Green = 04	Blue = 06	Orange = 08	Violet = 10	

MOUSER STOCK NO.	Alpha Part No.	AWG Size	Nominal OD (In.)	1000' Spool 1	1000' Spool 5
2-5951-1000-___	5951	30	0.020	162.45	148.40
2-5952-1000-___	5952	28	0.024	187.87	171.63
2-5953-1000-___	5953	26	0.027	191.96	175.35
2-5954-1000-___	5954	24	0.030	259.85	237.37

Tefzel® Insulation for Wire Wrap (UL 1516, UL1523)

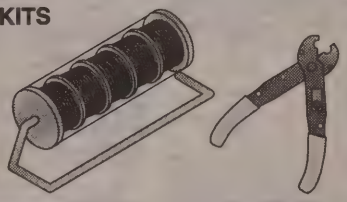
Solid silver plated OFHC (Oxygen-Free High Conductivity) conductor.
Color-coded Tefzel (Ethylene-Tetrafluoroethylene Copolymer)
High abrasion, heat and cut-through resistance.

COLOR CODE CHART Colors = Ordering Suffix

White = 01	Red = 03	Yellow = 05	Brown = 07	Gray = 09	
Black = 02	Green = 04	Blue = 06	Orange = 08	Violet = 10	

Alpha Part No.	AWG Size	Nominal OD (In.)	MOUSER STOCK NO.	100' Spool	MOUSER STOCK NO.	1000' Spool
1805	30	0.020	602-1805-100-___	72.52	602-1805-1000-___	411.79
1806	28	0.024	602-1806-100-___	79.34	602-1806-1000-___	444.65
1807	26	0.027	602-1807-100-___	80.24	602-1807-1000-___	456.95
1808	24	0.030	602-1808-100-___	82.42	602-1808-1000-___	539.39

LPHA WIRE HOOK-UP WIRE KITS



k-Up Wire Kits contain an assortment of 100 ft.
ls suitable for military or UL/CSA applications.
kit contains five spools of stranded hook-up wire in
lque, rack-mounted, transparent dispensing tube.
tube and rack system keeps hook-up wire neat,
n, and conveniently at hand.

tures:
erating temperature:
-40°C to 105°C
ltage rating: 300V
cludes cut and strip tool
e assorted hook-up wire colors:
ite, black, red, green, and blue

MOUSER STOCK NO.	Alpha Part No.	AWG Size	Price Each
602-HU-KIT-20	HU-KIT-20	22	119.97
602-HU-KIT-40	HU-KIT-40	24	119.97

ALPHA WIRE BUS BAR WIRE

• solid tin plated copper • QQ-W-343 Type S

Alpha Part No.	Cond. AWG	Dia. (In.)	MOUSER STOCK NO.	100 Ft. Spools Spool Price 1	Spool Price 5
299/3	30	0.01	602-299/3-100	13.40	12.95
299/2	28	0.013	602-299/2-100	13.40	12.95
299/1	26	0.016	602-299/1-100	13.58	13.13
299	24	0.02	602-299-100	14.03	13.57
298	22	0.025	602-298-100	14.30	13.20
297	20	0.032	602-297-100	17.65	17.06
296	18	0.04	602-296-100	22.98	22.22
295	16	0.051	602-295-100	35.30	34.14
286	14	0.064	602-286-100	51.94	50.24
289	12	0.081	602-289-100	76.66	74.12

LPHA WIRE HARMONIZED PVC INSULATED HOOK-UP WIRE

rating Temperature: -30°C to 70°C (Static)
5°C to 70°C (Dynamic)

Voltage Rating: H05V-K: 300/500 Volt rms
H07V-K: 450/750 Volt rms

Color Code Chart
Colors=Ordering Suffix

Black = 02
Blue = 06
Brown = 07
Green/Yellow = 28

ilable Colors: 02, 06, 07, 28

Alpha Part No.	Conductor AWG	Conductor Strand	Nominal O.D. (In.)	Stocked Colors	MOUSER STOCK NO.	100' Spool 1	100' Spool 5	MOUSER STOCK NO.	1000' Spool 1
3110	17	31/32	0.102	H05V-K	602-3110-100-___	35.10	33.34	602-3110-1000-___	298.40
3111	16	29/30	0.118	H07V-K	602-3111-100-___	41.30	39.24	602-3111-1000-___	323.30
3112	14	49/30	0.146	H07V-K	602-3112-100-___	55.50	52.73	602-3112-1000-___	436.40
3113	12	56/28	0.166	H07V-K	602-3113-100-___	81.50	77.43	602-3113-1000-___	706.10
3114	10	84/28	0.193	H07V-K	602-3114-100-___	179.80	170.80	602-3114-1000-___	1412.10
3115	8	77/26	0.248	H07V-K	602-3115-100-___	286.80	272.47	602-3115-1000-___	2484.20

LPHA WIRE PVC INSULATION HARMONIZED, TRI-RATED

rating Temperature: -30°C to 70°C (HAR-All part numbers)
-10°C to 105°C (UL/CSA)

HAR Voltage Rating: H05V-K: 300/500 Volt rms (HAR)
H07V-K: 450/750 Volt rms (HAR)

Voltage Rating: UL 1015/CSA TEW: 600 Volt rms

ilable Colors: 02, 06, 07, 28

Alpha Part No.	Conductor AWG	Conductor Strand	Nominal O.D. (In.)	Stocked Colors	MOUSER STOCK NO.	100' Spool 1	100' Spool 5	MOUSER STOCK NO.	1000' Spool 1
3130	18	31/32	0.114	H05V-K	602-3130-100-___	55.50	52.73	602-3130-1000-___	436.40
3131	16	30/30	0.130	H07V-K	602-3131-100-___	75.90	72.11	602-3131-1000-___	551.20
3132	14	50/30	0.150	H07V-K	602-3132-100-___	108.20	102.78	602-3132-1000-___	920.00
3133	12	56/28	0.169	H07V-K	602-3133-100-___	151.00	143.45	602-3133-1000-___	1186.50
3134	10	84/28	0.193	H07V-K	602-3134-100-___	220.40	209.39	602-3134-1000-___	1732.20
3135	8	80/26	0.268	H07V-K	602-3135-100-___	371.30	352.74	602-3135-1000-___	2918.70

BELDEN PVC INSULATED HOOK-UP WIRE

PVC Hook-up wire is tinned copper conducted and is PVC insulated. It is also flame and ozone resistant, as well as being inert to most chemicals, oils and solvents.

COLOR CODE CHART

Colors=Ordering Suffix

Brown=01	Lt. Blue=06	Tan=11
Red=02	Violet=07	Pink=12
Orange=03	Gray=08	Dk. Blue=13
Yellow=04	White=09	
Green=05	Black=10	

Belden Part No.	Conductor AWG	Conductor Strand	Nominal O.D. (In.)	MOUSER STOCK NO.	Stocked Colors	100' Spool	MOUSER STOCK NO.	Stocked Colors	1000' Spool
(Type B) MIL-W-16878/1-PVC (600V, 105°C)									
8500	16	19x29	.079	566-8500-100-___	01-10	30.81	566-8500-1000-___	01,02,05,09,10	241.49
8501	18	7x26	.068	566-8501-100-___	01-10	24.65	566-8501-1000-___	02,06,09,10	188.32
8502	20	7x28	.058	566-8502-100-___	01-10	22.61	566-8502-1000-___	01-06,08-10	143.31
8503	22	7x30	.050	566-8503-100-___	01-10	17.46	566-8503-1000-___	04,08-10	109.27
8504	24	7x32	.044	566-8504-100-___	01-10	16.78	566-8504-1000-___	01-05, 08-10	104.97
8505	26	7x34	.039	566-8505-100-___	01-10	15.60	566-8505-1000-___	01-10	110.71
(Type MW) MIL-W-76C-PVC (1000V, 80°C)									
8527	12	65x30	.128	566-8527-100-___	01-10	77.63	----------	-----	-----
8520	14	41x30	.111	566-8520-100-___	01-10	53.11	566-8520-1000-___	02,10	436.26
8521	16	26x30	.098	566-8521-100-___	01-10	35.01	566-8521-1000-___	02,03,05,06,09,10	264.46
8522	18	16x30	.080	566-8522-100-___	01-10	22.88	566-8522-1000-___	01-07,10	163.60
8523	20	10x30	.070	566-8523-100-___	01-10	22.03	566-8523-1000-___	02-10	139.21
8529	20	solid	.066	566-8529-100-___	01-10	19.15	566-8529-1000-___	02	123.22
8524	22	7x30	.064	566-8524-100-___	01-10	17.32	566-8524-1000-___	02-08,10	115.62
8530	22	solid	.059	566-8530-100-___	01-10	16.42	566-8530-1000-___	02,04	100.26
8525	24	7x32	.058	566-8525-100-___	01-10	15.38	566-8525-1000-___	02,06,08,10	102.11
UL AWM Style 1061 (300V, 80°C)									
9984	24	7x32	.044	566-9984-100-___	01-10	14.33	566-9984-1000-___	01-05,10	92.06
9975	24	solid	.040	566-9975-100-___	01-10	9.83	566-9975-1000-___	10	63.36
9985	26	7x34	.039	566-9985-100-___	01-10	13.65	566-9985-1000-___	02,03,09,10,13	90.42
9986	28	7x36	.035	566-9986-100-___	01-10	12.77	566-9986-1000-___	02,10	87.35
9987	30	7x38	.032	566-9987-100-___	01-10	12.89	566-9987-1000-___	02,07,09	95.13
9978	30	solid	.030	566-9978-100-___	01-10	12.80	566-9978-1000-___	02	85.70
UL AWM Style 1015 (600V, 105°C)									
9910	10	65x28	.180	566-9910-100-___	01-10	116.41	----------	-----	-----
9912	12	65x30	.158	566-9912-100-___	01-10	82.15	----------	-----	-----
8916	14	41x30	.138	566-8916-100-___	01-10	54.06	----------	-----	-----
8917	16	26x30	.123	566-8917-100-___	01-10	35.54	566-8917-1000-___	02,04,05,10,13	305.46
8918	18	16x30	.110	566-8918-100-___	01-10	28.83	566-8918-1000-___	01-05,09,10,13	207.47
8919	20	10x30	.100	566-8919-100-___	01-10	22.32	566-8919-1000-___	09,13	166.27
8920	22	7x30	.093	566-8920-100-___	01-10	17.51	566-8920-1000-___	02,03,05,10	129.57
9924	24	7x32	.088	566-9924-100-___	01-10	16.04	566-9924-1000-___	02,03,10,13	117.03
Dual Rated UL AWM Style 1007 (300V, 80°C), (CSA Type TR-64, 90°C)									
9916	16	26x30	.092	566-9916-100-___	01-10	32.85	566-9916-1000-___	03,04,08,09,13	251.96
9918	18	16x30	.079	566-9918-100-___	01-10	22.76	566-9918-1000-___	01-05,07-09,13	166.88
9919	20	7x28	.069	566-9919-100-___	01-10	20.40	566-9919-1000-___	01-05,07-10,13	140.44
9921	22	7x30	.062	566-9921-100-___	01-10	16.61	566-9921-1000-___	01-05,07,09,13	115.63
9923	24	7x32	.056	566-9923-100-___	01-10	14.35	566-9923-1000-___	01-04,09,10,13	96.98
9926	26	7x34	.051	566-9926-100-___	01-10	13.65	566-9926-1000-___	01-05,08-10,13	90.42
9928	28	7x36	.047	566-9928-100-___	01-10	13.41	566-9928-1000-___	02-05,09,10,13	12.77

HIGH-TEMPERATURE TEFLON INSULATED HOOK-UP WIRE

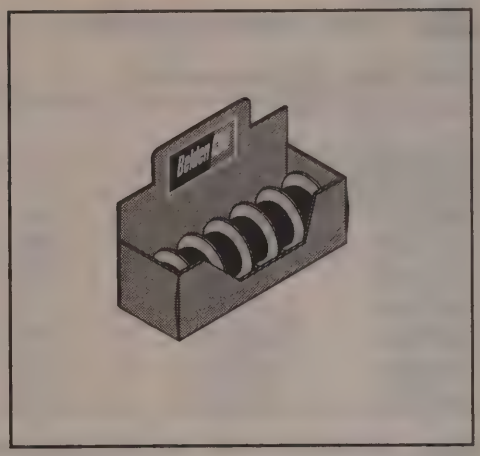
Stranded silver-coated copper conductor insulated with extruded TFE Teflon.

Belden Part No.	Conductor AWG	Conductor Strand	Nominal O.D. (In.)	MOUSER STOCK NO.	Stocked Colors	100' Spool	MOUSER STOCK NO.	Stocked Colors	1000' Spool
UL AMW Style 1213 105°C MIL-W-16878/4 Teflon 600V, 200°C									
83008	20	7x28	.058	566-83008-100-___	01-10	27.71	566-83008-1000-___	02,09,10	213.84
83007	20	19x32	.056	566-83007-100-___	01-10	30.49	566-83007-1000-___	02-06,09,10	248.22
83006	22	19x34	.048	566-83006-100-___	01-10	25.46	566-83006-1000-___	02-06,09,10	204.48
83005	22	7x30	.049	566-83005-100-___	01-10	22.17	566-83005-1000-___	01-10	173.70
83004	24	7x32	.043	566-83004-100-___	01-10	18.35	566-83004-1000-___	09	139.32
83003	24	19x36	.043	566-83003-100-___	01-10	21.92	566-83003-1000-___	02-04,06-10	171.36
83002	26	7x34	.037	566-83002-100-___	01-10	17.30	566-83002-1000-___	02,06,09	128.70
83000	30	7x38	.032	566-83000-100-___	01-10	15.83	566-83000-1000-___	04,06	112.50
UL AWM Style 1371-105°C MIL-W-16878/4 Teflon 600V, 200°C									
83009	18	19x30	.068	566-83009-100-___	01-10	38.52	566-83009-1000-___	01,06,09	320.22
83010	16	19x29	.076	566-83010-100-___	01-10	46.33	566-83010-1000-___	03-05,09,10	391.14
UL AWM Style 1180 300V 200°C MIL-W-16878/5 Teflon 1000V, 200°C									
83030	16	19x29	.088	566-83030-100-___	01-10	52.52	566-83030-1000-___	02	446.76
83029	18	19x30	.077	566-83029-100-___	01-10	41.98	566-83029-1000-___	06,09,10	371.16
83028	20	7x28	.068	566-83028-100-___	01-10	29.42	566-83028-1000-___	02,10	253.08
83027	20	19x32	.068	566-83027-100-___	01-10	34.07	566-83027-1000-___	02,03,06,08-10	296.82
83026	22	19x34	.059	566-83026-100-___	01-10	28.90	566-83026-1000-___	01-04,06,08-10	234.00
83025	22	7x30	.060	566-83025-100-___	01-10	23.88	566-83025-1000-___	02,03,07,09,10	199.62
83023	24	19x36	.053	566-83023-100-___	01-10	25.73	566-83023-1000-___	02-05,09,10	206.82

BELDEN Test Prod Wire and Hook-Up Wire Dispenser Kits

OK-UP WIRE DISPENSER KITS

or R and D labs, engineers, servicemen and hobbyists. Kits are available in five 100' spools or eight 25' spools. pool is a different color and comes in a portable dispenser rack.



elden rt No.	Wire	Temp. Rating	Stocked Colors	MOUSER STOCK NO.	100' Spool 1	100' Spool 5
531	22awg (7x30) Stranded Tinned PVC (8524)	80°C	Red, Green, White, LT Blue, Black	566-9531	76.50	69.41
825	20awg (7x28) Stranded Tinned PVC (8502)	105°C	Red, Green, White, LT Blue, Black	566-8825	114.64	104.00

elden rt No.	Wire	Temp. Rating	Stocked Colors	MOUSER STOCK NO.	25' Spool 1	25' Spool 5
824	20awg (10x30) Stranded Tinned PVC (8523)	80°C	Brown, White, Black, Orange, Green, Red, LT Blue, Yellow	566-8824	80.62	73.16
816	18awg (16x30) Stranded Tinned PVC (8522)	105°C	Brown, White, Black, Orange, Green, Red, LT Blue, Yellow	566-8816	84.56	76.75

COLOR CODE CHART Colors = Ordering Suffix

Red= 02	Yellow= 04	Green= 05	White= 09	Black= 10

TEST PROD WIRE

WG Rubber Insulated (5000V, 90°C) , Breakdown Voltage 20,000V

ed copper, rubber insulated • Nominal O.D. (.144) • Conductor: 18AWG Strand 65x36

elden rt No.	MOUSER STOCK NO.	Stocked Colors	25' Spool	MOUSER STOCK NO.	Stocked Colors	100' Spool	MOUSER STOCK NO.	Stocked Colors	500' Spool
899	566-8899-25-___	02,10	15.23	566-8899-100-___	02,04,05 09,10	44.57	566-8899-500-___	02,05,10	163.81

WG Rubber Insulated (10000V, 90°C) , Breakdown Voltage 29,000V

ed copper, rubber insulated • Nominal O.D. (.229) • Conductor: 18AWG Strand 65x36

elden rt No.	MOUSER STOCK NO.	Stocked Colors	25' Spool	MOUSER STOCK NO.	Stocked Colors	100' Spool	MOUSER STOCK NO.	Stocked Colors	500' Spool
898	566-8898-25-___	02,10	23.69	566-8898-100-___	02,10	64.12	566-8898-500-___	10	251.64

WG PVC Insulated UL AWM Style 1855 (5000V, 80°C)

copper, PVC insulated. Use test probe leads for electrical and electronic measuring for test equipment.

minal O.D. (.144) • Conductor: 18AWG Strand 65x36

elden rt No.	MOUSER STOCK NO.	Stocked Colors	25' Spool	MOUSER STOCK NO.	Stocked Colors	100' Spool	MOUSER STOCK NO.	Stocked Colors	500' Spool
899	----------	-----	-----	566-9899-100-___	02,10	41.19	566-9899-500-___	02,10	168.72

WG Rubber Insulated (5000V, 80°C), Breakdown Voltage 20,000V

ed copper, separtor, rubber insulated. • Nominal O.D. (.144) • Conductor: 18AWG Strand 65x36

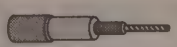
elden rt No.	MOUSER STOCK NO.	Stocked Colors	25' Spool	MOUSER STOCK NO.	Stocked Colors	100' Spool	MOUSER STOCK NO.	Stocked Colors	500' Spool
897	----------	-----	-----	----------	-----	-----	566-8897-500-___	10	256.37

WG Rubber Insulated (1000V, 90°C), Breakdown Voltage 10,000V

ied copper, separtor, rubber insulated • Nominal O.D. (.066) • Conductor: 24AWG Strand 45x40

elden rt No.	MOUSER STOCK NO.	Stocked Colors	25' Spool	MOUSER STOCK NO.	Stocked Colors	100' Spool	MOUSER STOCK NO.	Stocked Colors	500' Spool
890	566-8890-25-___	02,10	12.71	566-8890-100-___	02,10	31.49	566-8890-500-___	02,10	134.69

WG Stranded Cunductor, (17,000 DC) Breakdown Voltage 35,000 DC



d copper, conductive polyethylene over inner conductor provides uniform distribution of voltage stress, polyethylene insulated. PVC jacket in Black

minal O.D. (.120) • Conductor: 22AWG Strand 7x30

elden rt No.	MOUSER STOCK NO.	Stocked Colors	25' Spool	MOUSER STOCK NO.	Stocked Colors	100' Spool	MOUSER STOCK NO.	Stocked Colors	500' Spool
869	----------	-----	-----	----------	-----	-----	566-8869-500	10	113.89

BELDEN Flat Cable, Magnet and Bus Bar Wire

GRAY RIBBON FLAT CABLE

9L280XX Series .050" Pitch Unshielded

- Gray PVC Insulation, with a Red Polarity stripe for proper circuit alignment.
- Voltage Rating: 300V RMS

Tinned Copper 28 AWG (7x36) stranded.

MOUSER STOCK NO.	Belden Part No.	No. of Cond.	100' Spool	
			1	5
566-9L28014	9L28014	14	29.72	26.95
566-9L28016	9L28016	16	34.04	30.89
566-9L28020	9L28020	20	42.81	38.83
566-9L28025	9L28025	25	59.68	54.15
566-9L28026	9L28026	26	56.13	50.93
566-9L28034	9L28034	34	74.16	67.28
566-9L28037	9L28037	37	82.24	74.60
566-9L28040	9L28040	40	83.86	76.09
566-9L28050	9L28050	50	103.66	94.05
566-9L28060	9L28060	60	125.10	113.51
566-9L28064	9L28064	64	133.21	120.86

DUOFOIL® SHIELDED PVC JACKETED FLAT CABLE

9L283XX Series .050" Pitch

- .010" Nom. Wall Gray PVC Insulation

Tinned Copper 28 AWG (7x36) stranded.

MOUSER STOCK NO.	Belden Part No.	No. of Cond.	100' Spool	
			1	5
566-9L28309	9L28309	9	146.45	132.87
566-9L28310	9L28310	10	162.56	147.50
566-9L28315	9L28315	15	243.25	220.70
566-9L28320	9L28320	20	325.11	294.98
566-9L28325	9L28325	25	404.66	367.16

SINGLE BELDSOL SOLDERABLE MAGNET WIRE

Dual insulated magnet wire that combines the excellent dielectric characteristics of polyurethane and the known toughness and solvent resistance of a nylon overcoat. Rated by IEEE tests for 270°F usage and will solder without insulation removal at 750°F. Half Pound Spools

MOUSER STOCK NO.	Belden Part No.	AWG	Approx. Length Ft.	Price Each	
				1	5
566-8049	8049	18	100	22.70	20.59
566-8050	8050	20	160	22.70	20.59
566-8051	8051	22	254	22.70	20.59
566-8052	8052	24	404	23.23	21.07
566-8053	8053	26	645	23.76	21.56
566-8054	8054	28	1020	24.56	22.28
566-8055	8055	30	1615	26.69	24.21
566-8056	8056	32	2515	29.62	26.87
566-8057	8057	34	4060	31.23	28.33
566-8058	8058	36	6400	35.22	31.96

RAINBOW FLAT CABLE

9R280XX Series .050" Pitch, Color-coded PVC

- .010" Nom. Wall Color-coded PVC Insulation
- Voltage Rating: 300V RMSg: 300V RMS

Tinned Copper 28 AWG (7x36) stranded

MOUSER STOCK NO.	Belden Part No.	No. of Cond.	100' Spool	
			1	5
566-9R28010	9R28010	10	52.56	47.69
566-9R28014	9R28014	14	74.40	67.50
566-9R28020	9R28020	20	105.45	95.68
566-9R28024	9R28024	24	126.56	114.82
566-9R28025	9R28025	25	132.83	120.53
566-9R28026	9R28026	26	137.82	125.05
566-9R28034	9R28034	34	178.69	162.12
566-9R28037	9R28037	37	196.11	177.93
566-9R28040	9R28040	40	211.08	191.49
566-9R28050	9R28050	50	265.68	241.05

VARI-TWIST® FLAT CABLE

9R280XX Series .050" Pitch

- .010" Nom. Wall Color-coded PVC Insulation
- Voltage Rating: 300V RMS

Tinned Copper 28 AWG (7x36) stranded
Designed to reduce crosstalk in the balanced mode by twisting the pairs
Standard twist length is 18 inches followed by a 2 inch flat section of .050" spaced conductor

MOUSER STOCK NO.	Belden Part No.	No. of Pair	100' Spool	
			1	5
566-9V28010	9V28010	5	46.72	42.39
566-9V28014	9V28014	7	65.84	59.74
566-9V28016	9V28016	8	75.74	68.71
566-9V28026	9V28026	13	118.17	107.21
566-9V28040	9V28040	20	186.16	168.91
566-9V28050	9V28050	25	232.11	210.61
566-9V28060	9V28060	30	281.19	255.13
566-9V28064	9V28064	32	298.42	270.76

HEAVY-ARMORED POLY-THERMALEZE HIGH-TEMPERATURE MAGNET WIRE

Poly-thermaleze is a dual coated magnet wire. Its base coat is a cross-linked, modified polyester. Its top coat is an amide-imide polyester. Rated for 180°C usage and has exceptional ability to resist solvents and abuse in difficult windings. One pound spools.

MOUSER STOCK NO.	Belden Part No.	AWG	Approx. Length Ft.	Price Each	
				1	5
566-8073	8073	14	80	34.95	31.72
566-8074	8074	16	126	36.81	33.41
566-8076	8076	20	315	38.44	34.88
566-8079	8079	26	1260	41.91	38.01
566-8080	8080	28	1990	44.83	40.06

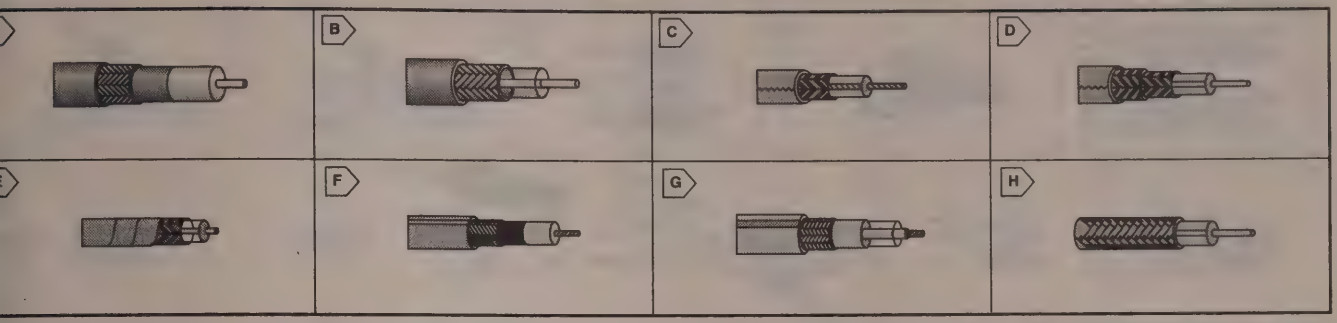
BUS BAR WIRE

Solid tinned copper. Made in accordance with the performance requirements of Federal Spec. QQ-W-343G.

Belden Part No.	AWG	Nominal O.D. (In.)	MOUSER STOCK NO.	100' Spool	MOUSER STOCK NO.	1000' Spool
8011	12	.083	566-8011	62.97	—	—
8012	14	.065	566-8012	42.98	—	—
8013	16	.052	566-8013	28.35	—	—
8019	18	.041	566-8019	20.01	566-8019-1000	154.37
8020	20	.033	566-8020	15.45	—	—
8021	22	.026	566-8021	12.44	566-8021-1000	82.01
8022	24	.021	566-8022	12.13	—	—
8023	26	.016	566-8023	11.81	—	—
8024	28	.013	566-8024	11.65	—	—
8025	30	.010	566-8025	11.65	—	—

SHIELDING AND BONDING CABLE

Belden Part No.	Circular Area (CMA)	Stranding	Tubular I.D. (In.)	MOUSER STOCK NO.	50' Spool	
					1	5
8662	22900	576x34	.781	566-8662-50	164.52	149.27
8669	13300	336x34	.500	566-8669-50	118.31	107.35
8663	6700	168x34	.219	566-8663-50	62.81	57.00



TRANSMISSION CABLES

w Loss Transmission Cable - CMR Rated

Belden Part No.	Fig.	RG Type	AWG (Stranding)	Nominal OD (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
uofoil tape + 90% tinned copper braid										
805R	A	RG174	24.5 (Solid)	.110	----------	-----	566-7805R-500-08	200.17	566-7805R-1000-08	379.26
uofoil tape + 90% tinned copper braid										
806R	A	RG58	19 (Solid)	.195	----------	-----	566-7806R-500	245.21	566-7806R-1000-10	464.58
uobond II + 95% tinned copper braid										
808R	A	RG-8X	15 (Solid)	.240	----------	-----	566-7808R-500-10	316.45	566-7808R-1000-10	599.58
uobond II + 95% tinned copper braid										
809R	A	---	13 (Solid)	.300	----------	-----	566-7809R-500-10	368.99	566-7809R-1000-10	699.12
uofoil tape + 95% tinned copper braid										
807R	A	RG58/U	17 (Solid)	.195	----------	-----	566-7807R-500	247.48	566-7807R-1000	468.90
onded Duofoil tape + 95% tinned copper braid										
810R	A	RG8/U	10 (Solid)	.403	----------	-----	566-7810R-500-10	459.91	566-7810R-1000-10	871.38
onded Duofoil tape + 90% tinned copper braid										
976R	A	---	7 (Solid)	.5	----------	-----	566-7976R-500	521.65	566-7976R-1000	988.38
onded Duofoil tape + 85% tinned copper braid										
977R	A	---	5.5 (Solid)	.59	----------	-----	566-7977R-500	725.34	566-7977R-1000	1374.30

L-C-17G QPL Cable

Belden Part No.	Fig.	RG Type	AWG (Stranding)	Nominal OD (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
ilitary Specification M/155-00001, 95% Tinned copper braid, Black PVC Jacket										
262	B	RG-58 C/U	20 (19 x 33)	0.195	566-8262-100	57.50	566-8262-500	221.66	566-8262-1000	438.50
ilitary Specification M17/169-00001, 96% Silver coated copper braid, White FEP Jacket										
3265	C	RG-178B/U	30 (7 x 38)	0.071	566-83265-100	73.68	----------	-----	----------	-----
ilitary Specification M/17/172-00001, 95% Silver plated copper braid										
3284	C	RG-316/U	26 (7 x 34)	0.098	566-83284-100	111.07	566-83284-500	472.25	566-83284-1000	894.78
ilitary Specification M17/60-RG142, 96% Silver coated copper braid and silver coated copper braid, Plenum										
4142	D	RG-142/U	18 (Solid)	0.195	566-84142-100	351.54	566-84142-500	1542.52	566-84142-1000	2922.66

Recommend Heat Shrink FIT221

ransmission and Computer Cable

Belden Part No.	Fig.	RG Type	AWG (Stranding)	Nominal OD (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
5% Tinned copper braid, Black PVC Jacket										
259	B	RG58 A/U	20 (19 x 33)	0.192	566-8259-100	50.48	566-8259-500	163.29	566-8259-1000	294.44
Military Specification MIL-C-17D, 96% Silver coated copper braid, White FEP Tape Jacket										
83269	E	RG-188A/U	26 (7x34)	0.098	566-83269-100	137.21	566-83269-500	590.14	566-83269-1000	1118.16

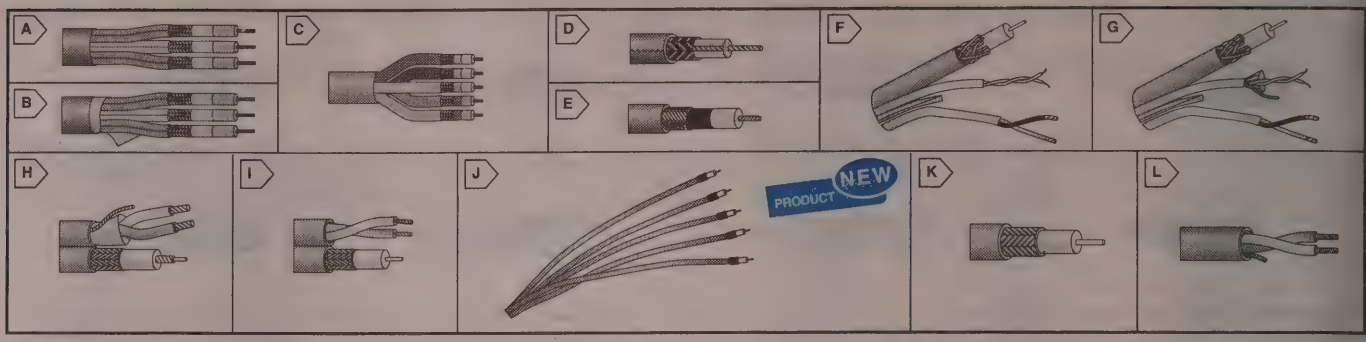
LOW TRIBOELECTRIC NOISE COAX CABLE

Belden Part No.	Fig.	RG Type	AWG (Stranding)	Nominal OD (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
Maximum peak-to-peak noise level: 5mv, 90% Tinned copper braid, Black PVC Jacket										
9239	F	RG-174/U	26 (7 x 34)	0.101	566-9239-100	62.03	566-9239-500	214.42	566-9239-1000	404.10
Maximum peak-to-peak noise level: 8mv, Bonded Duofoil tape and 95% tinned copper braid										
9223	G	RG-58/U	22 (7 x 30)	0.195	566-9223-100	91.14	566-9223-500	347.76	----------	-----

CONFORMABLE COAX MICROWAVE CABLE

Belden Part No.	Fig.	RG Type	AWG (Stranding)	Nominal OD (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
100% Copper-tin composite, RG-405/U Type										
1671A	H	RG-405/U	24 (Solid)	0.085	566-1671A-50	167.97	566-1671A-500	1001.25	----------	-----
100% Copper-tin composite, RG-402/U Type										
1673A	H	RG-402/U	19 (Solid)	0.138	566-1673A-50	151.34	566-1673A-500	1179.81	----------	-----

BELDEN 75 Ohm Coaxial and Camera Cables



COAXIAL CABLES

75 Ohm Bundled RGB Coax Cable

Belden Part No.	Fig.	UL NEC Type	Number of Coax	AWG (Standing)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
Duofoil tape/93% tinned copper braid										
1164B	A	CM	3	26 (7x34)	566-1164B	155.92	566-1164B-500	617.88	566-1164B-1000	1170.72
Duofoil tape/93% tinned copper braid										
1418B	B	CM	3	26 (7x34)	--------	-----	566-1418B-500	1039.48	566-1418B-1000	1969.56
Bonded Duofoil tape/95% tinned copper braid										
1277R	A	CMR	5	25 (Solid)	--------	-----	566-1277R-500	455.05	566-1277R-1000	862.20
Bonded Duofoil tape/95% tinned copper braid										
1279R	C	CMR	5	25 (Solid)	--------	-----	566-1279R-500	597.36	566-1279R-1000	862.20

75 Ohm MIL-C-17G QPL Cable

• 94% Silver coated copper braid • Tinted Brown FEP Jacket

Belden Part No.	Fig.	AWG (Stranding)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
83264	D	30 (7x38)	0.100	566-83264-100	110.66	566-83264-500	441.66	566-83264-1000	836.82

75 Ohm Low Triboelectric Noise Coax Cable - RG-174/U

• 93% Bare copper braid • Not intended for RF

				100' Spools		500' Spools		1000' Spools	
9224	E	22 (Solid)	0.242	566-9224-100	136.16	566-9224-500	384.58	--------	-----

CAMERA CABLES

Banana Peel PTZ Composite Camera Cable

Belden Part No.	Fig.	Component Descriptions	AWG (Standing)	Shielding	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
Individual Riser-Rated PVC Jackets, No Overall Jackets										
500PTZ	F	75 Ohm Coax RG 59/U 1-Pair 2 Conductor	20 (solid) 23 (solid) 18 (stranded)	95% Bare copper braid Unshielded Unshielded	--------	-----	566-500PTZ-500	282.63	566-500PTZ-1000	535.50
501PTZ	G	75 Ohm Coax RG 59/U 1-Pair 2 Conductor	20 (solid) 22 (solid) 18 (stranded)	95% Bare copper braid AL/Polyester w/ drain Unshielded	--------	-----	566-501PTZ-500	315.59	566-501PTZ-1000	597.96
Individual Plenum-Rated Flamarrest Jackets, No Overall Jackets										
600PTZ	F	75 Ohm Coax RG 59/U 1-Pair 2 Conductor	20 (solid) 23 (solid) 18 (stranded)	95% Bare copper braid Unshielded Unshielded	--------	-----	566-600PTZ-500	484.04	566-600PTZ-1000	917.10
601PTZ	G	75 Ohm Coax RG 59/U 1-Pair 2 Conductor	20 (solid) 22 (solid) 18 (stranded)	95% Bare copper braid AL/Polyester w/ drain Unshielded	--------	-----	566-601PTZ-500	501.99	566-601PTZ-1000	951.12

Composite Camera Cable

					100' Spools		500' Spools		1000' Spools	
9265	H	75 Ohm Coax RG-59/U Foil Shielded Twisted Pair	22 (7x30) 22 (7x30)	95% Bare copper braid Beldfoil	566-9265-100	110.00	566-9265-500	409.82	566-9265-1000	817.13
549945	I	75 Ohm Coax RG-59/U 1 Twisted Pair	20 (solid) 18 (7x26)	95% Bare copper braid Unshielded	--------	-----	566-549945-500	168.07	566-549945-1000	367.46
539945	I	75 Ohm Coax RG-6/U 1 Twisted Pair	18 (solid) 18 (7)	95% Bare copper braid Unshielded	--------	-----	566-539945-500-10	201.50	566-539945-1000-10	381.78

Mini Hi-Res Component Video Cable

• Available Colors: 00 is clear, 10 is black

					100' Spools		500' Spools		1000' Spools	
1281S3	J	75 Ohm Coax 3C	25 (solid)	100% Duobond Foil	--------	-----	566-1281S3-500-00	347.33	566-1281S3-1000-00	656.71
1281S5	J	75 Ohm Coax 5C	25 (solid)	100% Duobond Foil	--------	-----	566-1281S5-500-__	524.02	566-1281S5-1000-__	990.77
1282S3	J	75 Ohm Coax 3C Plenum	25 (solid)	100% Duobond Foil	--------	-----	566-1282S3-500-00	594.84	566-1282S3-1000-00	1124.67
1282S5	J	75 Ohm Coax 5C Plenum	25 (solid)	100% Duobond Foil	--------	-----	566-1282S5-500-__	868.34	566-1282S5-1000-__	1641.77
1283S5	J	75 Ohm Coax 5C	20 (solid)	95% Duofoil + TC Foil	--------	-----	566-1283S5-500-00	2170.84	--------	-----

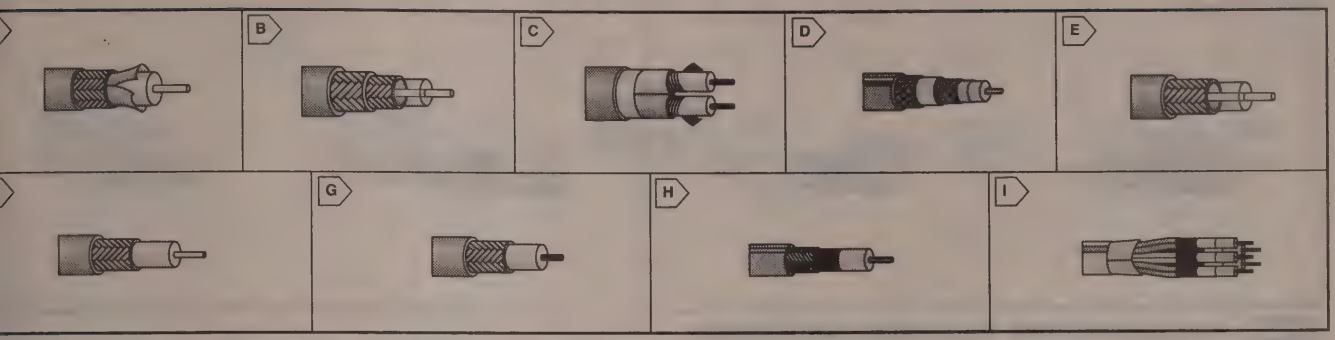
75 Ohm Coaxial Camera Cable

					100' Spools		500' Spools		1000' Spools	
543945	K	RG-59/U	20 (solid)	95% Bare copper braid	--------	-----	566-543945-500-10	83.23	566-543945-1000-10	157.68
533945	K	RG-6/U	18 (solid)	95% Bare copper braid	--------	-----	566-533945-500	108.59	566-533945-1000	205.74
513945	K	RG-11/U	14 (solid)	95% Bare copper braid	--------	-----	566-513945-500-10	222.21	566-513945-1000-10	421.02

Plenum-Rated Camera Cable

Belden Part No.	Fig.	Component Descriptions	AWG (Standing)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
5300UE	L	Unshielded, 2 Conductor (Bare Copper)	18 (7 x 26)	0.161	--------	-----	566-5300UE-500-08	47.98	566-5300UE-1000-08	87.12
5200UE	L	Unshielded, 2 Conductor (Bare Copper)	16 (19 x 29)	0.184	--------	-----	566-5200UE-500-08	61.86	566-5200UE-1000-08	117.18
5100UE	L	Unshielded, 2 Conductor (Bare Copper)	14 (19 x 27)	0.234	--------	-----	566-5100UE-500-08	90.07	566-5100UE-1000-08	170.64

BELDEN 75 Ohm Coaxial Cables



PRECISION VIDEO INTERCONNECTS

Recommend Heat Shrink FIT221

Ohms Impedance

Color Chart				
01 Brown	02 Red	03 Orange	04 Yellow	05 Green
06 Blue	07 Violet	08 Gray	09 White	10 Back

To order replace __ with applicable code for color desired.

bles are tested to 3 GHz and have guaranteed
rn loss -23dB 5-850 MHz, -21dB 850MHz-3GHz.

elden rt No.	Fig.	NEC Type	AWG (Stranding)	Nominal O.D. (In.)	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool	1000' Box MOUSER STOCK NO.	1000' Box Price Per 1000' Box
uofoil and 95% tinned copper braid shield										
505A	A	- - -	20 (Solid)	0.235	566-1505A-100	53.75	----------	-----	566-1505A-1000	411.44
506A	A	CMP	20 (solid)	0.199	566-1506A-500-10	731.55	566-1506A-1000-__	1259.46	----------	-----
694A	A	- - -	18 (Solid)	0.275	566-1694A-100	70.00	566-1694A-500	293.55	566-1694A-1000	587.13
695A	A	CMP	18 (solid)	0.234	566-1695A-500-10	805.04	566-1695A-1000-__	1495.44	----------	-----
79DT	A	CMR	28.5 (solid)	0.100	566-179DT-500-10	192.77	566-179DT-1000-__	341.10	----------	-----
855A	A	CMR	23 (solid)	0.102	566-1855A-500-10	188.21	566-1855A-1000-__	349.56	----------	-----
731A	A	CMR	14 (solid)	0.405	566-7731A-500-__	512.53	566-7731A-1000-__	1019.70	----------	-----
209	A	- - -	23 (solid)	0.22	566-9209-U500-10	275.51	----------	-----	566-9209-U1000-10	518.22
5% tinned copper braid shield										
279	F	- - -	23 (7x32)	0.22	566-8279-500-10	272.47	566-8279-1000-10	516.24	----------	-----
8% tinned copper double braid										
281	B	- - -	20 (Solid)	0.305	566-8281-100	90.00	566-8281-500	421.38	566-8281-1000	739.98
ouble tinned copper braid shield										
505F	B	CM	22 (7x29)	0.242	----------	-----	566-1505F-1000-__	450.36	----------	-----
281F	B	- - -	22 (7 x 29)	0.305	566-8281F-100	145.00	----------	-----	----------	-----

HIGH FLEX, S-VHS PRECISION VIDEO CABLE

tte black PVC jacket • Dual coaxial cables
ned copper 90% shield coverage

elden rt No.	Fig.	Description	AWG (Stranding)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
808A	C	Dual conductor, high flex VHS	30 (7 x 38)	0.255	566-1808A-100	141.00	566-1808A-500	455.15	566-1808A-1000	862.38

75 OHM VIDEO DBS CABLE (SERIES 6)

as-injected foam polyethylene insulation
VC Jacket • 75 ohms
40" Bare Copper Conductor • RG-6/U Type
wept to 2.25 GHz for satellite applications

Belden Part No.	Fig.	NEC Type	AWG (Stranding)	Nominal OD (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
916A	D	CATV,CM	18 (Solid)	0.298	----------	-----	566-7916A-500	91.43	----------	-----

75 OHM STANDARD ANALOG VIDEO CABLE

Recommend Heat Shrink FIT221

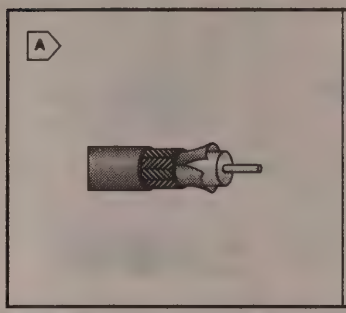
elden rt No.	Fig.	NEC Type	AWG (Stranding)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
G-59/U95% Bare copper braid shielding									
241	E	CL2X	23 (solid)	566-8241-100	50.06	566-8241-500	141.14	566-8241-1000	277.98
241F	E	- - -	22 (7 x 30)	566-8241F-100	43.75	566-8241F-500	168.15	566-8241F-1000	487.91
2241	F	CMP	23 (solid)	566-82241-100	121.25	566-82241-500	496.49	----------	-----
263	G	CMX	22(solid)	----------	-----	----------	-----	566-8263-1000	510.04
259	G	CL2	22 (7 x 30)	566-9259-100	75.20	566-9259-500	190.44	566-9259-1000	394.23
274	F	CM	20 (solid)	566-9274-100	42.50	566-9274-500	195.93	----------	-----
426A	F	CM	20 (solid)	566-1426A-100	38.38	566-1426A-500	115.94	566-1426A-1000	240.71
G-6/UDuofoil®/60% tinned copper braid									
248	H	CL2	18 (solid)	566-9248-100	48.75	566-9248-500	196.72	566-9248-1000	345.42
G-6/U96% Bare copper braid shielding									
215	B	- - -	21 (solid)	----------	-----	----------	-----	566-8215-1000-10	1118.88

75 OHM MINIATURE VIDEOFLEX® SNAKE CABLE

uofoil tape and 95% tinned copper braid (100% Shield Coverage)

Belden Part No.	Fig.	No. of Cond.	NEC Type	AWG (Stranding)	Nominal OD (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
7789A	I	5	CMR	23 (Solid)	.539	----------	-----	566-7789A-500-10	1320.22	566-7789A-1000-10	2551.50

BELDEN CATV, MATV, Audio, Control, & Instrumentation Cables



Belden CDT MASTER ANTENNA TELEVISION CABLE (MATV)

RG-59, Shielded

Recommend Heat Shrink FIT221

- Nominal impedance: 75 ohms
- Black PVC jacket
- 9275 Sweep Tested 5-550 MHz
- 9100 Sweep Tested 5-1000 MHz

Duobond II® = Laminated shielding tape consisting of heat sensitive adhesive, aluminum foil, polyester, and aluminum
Duobond III® = (Tri shield) Duobond II® design plus a surrounding layer of Duofoil®.
Duofoil® = Belden trademark for a shield in which metallic foil is applied to both sides of a supporting plastic film.

					100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Pe 1000' Spo
9275	A	Duofoil® +40% aluminum braid, 100% shield	CATV/CM	.237	566-9275-100	28.88	566-9275-500	45.82	566-9275-1000	80.46
9100	B	Duobond II® +40% aluminum braid, 100% shield	CATV/CM	.237	566-9100-100	30.00	566-9100-500	77.62	566-9100-1000	100.26

RG-11

- Nominal impedance: 75 ohms
- Black PVC jacket
- Sweep Tested 5-1000 MHz

				100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Pe 1000' Spo
9011	A	Duofoil® +40% alum. braid, 100% shield, sweep tested 5-1000MHz	.405	566-9011-100	38.75	566-9011-500	139.30	566-9011-1000	208.08

Belden CDT CABLE TELEVISION CABLE (CATV)

Recommend Heat Shrink FIT221

RG- 59

- AWG: 20 (solid)
- Black PVC jacket
- 100% Sweep Tested from 5MHz-1GHz, SRL 20dB minimum
- 75 ohms

					100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Pe 1000' Spo
9104	B	Duobond II® +67% aluminum braid	CATV/CM	.242	566-9104-100	30.00	566-9104-500	54.87	566-9104-1000	111.09

Quad Shielded Cable Television Cable (CATV)

					100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Pe 1000' Spo
1186A	C	Duobond II® +65% alum. braid +Duodoil® tape +45% alum.	CATV/CM	.265	566-1186A-100	26.54	566-1186A-500	89.50	566-1186A-1000	161.80

RG-6

- AWG: 18 (solid)
- Black PVC jacket
- 100% Sweep Tested from 5MHz-1GHz, SRL 20dB minimum
- 75 ohms

					100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Pe 1000' Spo
9116	B	Duobond II® +61% aluminum braid	CATV/CM	.275	566-9116-100	24.65	566-9116-500	69.92	566-9116-1000	112.41
9118	D	Duobond III® +61% aluminum braid, + alum. polyester foil	CATV/CM	.275	566-9118-100	32.56	566-9118-500	82.87	566-9118-1000	146.96

Quad Shielded Cable Television Cable (CATV)

					100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Pe 1000' Spo
1189A	C	Duobond IV® +60% alum. braid +Duofoil® tape +40% alum.	CATV/CM	.295	566-1189A-100	26.61	566-1189A-500	90.27	566-1189A-1000	166.83

RG-11 Quad Shielded

- AWG: 18 (solid)
- Black PVC jacket
- 100% Sweep Tested from 5MHz-1GHz, SRL 20dB minimum
- 75 ohms

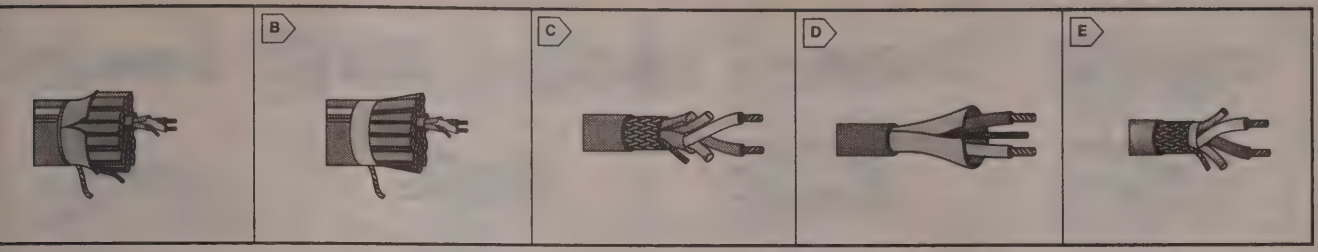
					100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Pe 1000' Spo
1617A	C	Duobond II® +60% alum. braid +Duofoil® tape +40% alum.	CATV/CM	.413	566-1617A-100	69.75	566-1617A-500	172.75	566-1617A-1000	255.06

CATV Cables, Series 59

- Plenum
- Foam FEP Insulation
- Duofoil® + Copper Braid(s) Shield
- Solid .032" Bare Copper-covered Steel
- 75 ohms

					500' Spools		1000' Spools		1000' Box	
Belden Part No.	Fig.	NEC Type	AWG	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool	MOUSER STOCK NO.	Price P 1000' Bo
Black FEB Jacket										
89108	A	CATV P/CMP	20 (Solid)	0.203	566-89108-500-10	795.73	566-89108-1000-10	1507.68	----------	---
Natural Flamarrest® Jacket										
82108	A	CATV P/CMP	20 (Solid)	0.202	----------	---	566-82108-1000	1142.10	566-82108-1000U	1142.1

Duobond II® = Laminated shielding tape consisting of heat sensitive adhesive, aluminum foil, polyester, and aluminum foil.
Duobond III® = (Tri shield) Duobond II® design plus a surrounding layer of Duofoil®.
Duofoil® = Belden trademark for a shield in which metallic foil is applied to both sides of a supporting plastic film.



ANALOG MULTI-PAIR SNAKE CABLE

Rated Cables

Stranded (7x32) tinned copper conductor. Polyolefin insulation. Twisted pairs
ally shielded with 100% Beldfoil. Pair jackets and shields are bonded so both strip
neously with automatic stripping equipment. Black PVC jacket.

				500' Spools		1000' Spools	
lden rt No.	Fig.	No. of Pairs	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
R	A	4	.346	566-1408R-500-10	534.57	566-1408R-1000-10	1012.86
R	A	6	.412	566-1409R-500-10	756.68	566-1409R-1000-10	1433.70
R	A	8	.446	566-1410R-500-10	1048.05	566-1410R-1000-10	1985.76
R	A	12	.555	566-1411R-500-10	1376.75	566-1411R-1000-10	2608.56
R	A	16	.622	566-1412R-500-10	1916.82	566-1412R-1000-10	3631.86
R	A	20	.704	566-1413R-500-10	2462.59	566-1413R-1000-10	4665.96
R	A	24	.801	566-1414R-500-10	2781.80	566-1414R-1000-10	5270.76

ble, Low-Capacitance Cable

Stranded (7x30) tinned copper conductor. Datalene® insulation. Twisted pairs individually
d with 100% Beldfoil. Pair jackets and shields are bonded so both strip simultaneously with
tic stripping equipment. Black PVC jacket.

				500' Spools		1000' Spools	
lden rt No.	Fig.	No. of Pairs	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
B	B	4	.458	566-1217B-500	753.73	566-1217B-1000	1428.12
B	B	6	.578	566-1218B-500	1055.07	566-1218B-1000	1999.08
B	B	9	.700	566-1219B-500	1494.45	566-1219B-1000	2831.58
B	B	12	.760	566-1220B-500	1852.22	566-1220B-1000	3509.46
B	B	16	.852	566-1222B-500	2463.55	566-1222B-1000	4667.76
B	B	20	.960	566-1225B-500	3176.42	566-1225B-1000	6018.48
B	B	28	1.140	566-1221B-500	4397.17	566-1221B-1000	8331.48

AES/EBU DIGITAL AUDIO CABLE

Rated Cables

cables are made with Datalene® insulation. This feature includes low dielectric
nt and a dissipation factor for high-speed, low-distortion data handling.
al properties include good crush resistance and light weight.

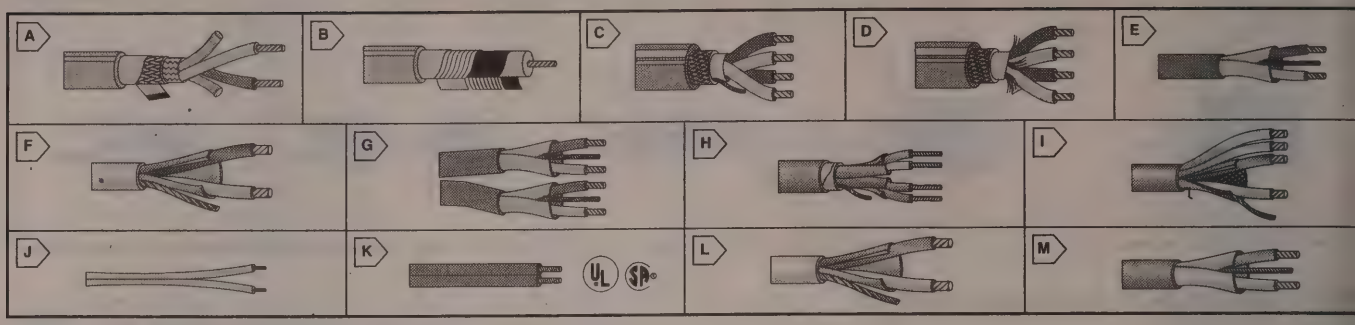
fications:

-Pair Snake Cables
dually Shielded and Jacketed Pairs

Gray PVC Jacket
Violet Flamarrest Jacket

				500' Spools		1000' Spools	
elden rt No.	Fig.	No. of Pairs	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
WG Stranded Tinned Copper (7 x 32) Flexible Violet PVC Jacket							
F	A	4	.485	566-1803F-500	909.35	566-1803F-1000	1722.96
F	A	8	.661	566-1805F-500	1612.35	566-1805F-1000	3054.96
F	A	12	.829	566-1806F-500	2821.31	566-1806F-1000	5345.64
F	A	16	.944	566-1850F-500	3839.24	566-1850F-1000	7274.34
F	A	24	1.205	566-1852F-500	6130.83	566-1852F-1000	11616.30
F	A	32	1.346	- - - - - - -	- - - -	566-1854F-1000	14233.32
WG Stranded Tinned Copper (7 x 34) Violet PVC Jacket							
A	A	8	.541	566-7880A-500	1556.87	566-7880A-1000	2795.22
WG Stranded Tinned Copper (7 x 30) Black High-Flex Matte PVC Jacket							
A	C	1	.234	566-1696A-500	362.15	566-1696A-1000	684.18
WG Stranded Tinned Copper (7 x 32)							
B	D	1	.177	566-1800B-500	199.32	566-1800B-1000	445.26
B	D	1	.165	566-1801B-500	415.53	566-1801B-1000	787.32
WG Stranded (42 x 40) High-Conductivity Bare Copper Matte PVC Jacket							
F	E	1	.211	566-1800F-500	460.85	566-1800F-1000	809.47

BELDEN Audio Cables



Belden CDT Brilliance® BROADCAST CABLES

Two-Conductor, Low-Impedance Cables, High-Conductivity Copper

• PVC Insulation • Black Matte PVC jacket • Bare copper double spiral shield

Belden Part No.	Fig.	No. of Conductors	AWG (Strand)	Nominal O.D. (In.)	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
8412	A	2	24 (42x40)	.213	566-8412-500	487.84	----------	-----

Microphone and Musical Instrument Cable
Single-conductor, High-Impedance Cables High-Conductivity Copper

• Rubber Insulation • Black neoprene jacket • Conductive textile shield (100% coverage) • TC spiral shield (75%)

9778	B	1	20 (27x34)	.235	----------	-----	566-9778-1000	465.12

Belden CDT FOUR-CONDUCTOR STAR QUAD, LOW IMPEDANCE CABLES

High-Conductivity Copper

To order replace __ with applicable code for color desired.

Color Code Chart

02 Red	04 Yellow	05 Green
06 Blue	08 Gray	10 Back

• Polyethlene Insulation • Matte PVC Jacket
• TC "French Braid" shield (95% Coverage)

Belden Part No.	Fig.	No. of Cond.	AWG (Stranded)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Stocked Colors	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Stocked Colors	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Stocked Colors	1000' Spools Price Per 1000' Spoo
1172A	C	4	26 (30 x 40)	.190	----------	---	---	566-1172A-500-___	10	339.98	566-1172A-1000-__	02 04 05 06 08 10	576.72
• Polyethlene Insulation • Matte PVC Jacket • TC Braid shield (95% Coverage)													
1192A	D	4	24 (42 x 40)	.245	566-1192A-100-___	10	124.24	566-1192A-500-___	06 10	384.09	566-1192A-1000-__	02 04 05 06 08 10	729.90

Belden CDT LINE LEVEL ANALOG AUDIO CABLE

Single and Double-Pair Cables

To order replace __ with applicable code for color desired.

Color Code Chart

01 Brown	02 Red	03 Orange
04 Yellow	06 Blue	07 Violet
08 Gray	09 White	10 Back

• PVC Insulation • Tinned Copper Conductors
• Overall 100% Belfoil® shield

Belden Part No.	Fig.	No. of Cond.	AWG (Stranded)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Stocked Colors	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Stocked Colors	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Stocked Colors	1000' Spools Price Per 1000' Box
1503A	E	1	22 (7 x 30)	.142	----------	---	---	----------	---	---	566-1503A-1000U-__	01 02 03 04 06 07 08 09 10	155.60

Belden CDT Brilliance® AUDIO CONTROL AND INSTRUMENTATION CABLE

Recommend Heat Shrink FIT221

Shielded, Twisted Pairs

• Tinned copper • Beldfoil® Aluminum-polyester shield

Belden Part No.	Fig.	Description	NEC Type	No. of Pairs	AWG (Stranding)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spoo
8451	F	Black PVC jacket	CM	1	22 (7 x 30)	0.138	566-8451-100	21.94	566-8451-500	97.57	566-8451-1000	193.12
9451	E	Bonded jacket and shield	CM	1	22 (7 x 30)	0.135	566-9451-100	25.00	566-9451-500	101.75	566-9451-1000	143.39
9451D	G	Red & Black PVC Jacket	CMR	2	22 (7 x 28)	.135 x .270	----------	-----	----------	-----	566-9451D-U1000	385.74
9451DP	G	White Flammerst jacket	CMP	2	22 (7 x 30)	.127 x .269	----------	-----	----------	-----	566-9451DP-1000-09	606.06
9451P	G	Black Flamarrest jacket	CMP	1	22 (7 x 30)	0.127	----------	-----	----------	-----	566-9451P-U1000-09	277.20
82761	E	Natural Flammarest jacket	CMP	1	22 (7 x 30)	0.118	566-82761-100	52.50	566-82761-500	163.73	566-82761-1000	346.12
82723	H	Natural Flammarest jacket	CMP	2	22 (7 x 30)	0.15	566-82723-100	75.50	566-82723-500	227.51	----------	-----
82760	E	Natural Flammarest jacket	CMP	1	18 (19 x 30)	0.157	566-82760-100	67.50	566-82760-500	299.14	566-82760-1000	505.80
8719	F	Chrome PVC jacket	CM/CL2	1	16 (19 x 29)	0.31	566-8719-100	53.75	566-8719-500	232.79	----------	-----
8720	F	Chrome PVC jacket	CM/CL2	1	14 (19 x 27)	0.355	566-8720-100	64.59	566-8720-500	277.78	566-8720-1000	583.50
8723	H	Chrome PVC jacket	CM	2	22 (7 x 30)	0.165	566-8723-100	29.98	566-8723-500	126.19	566-8723-1000	234.40
88641	L	Red FEP Jacket	CMP	1	24 (7X32)	0.106	566-88641-100	94.01	----------	-----	----------	-----
88761	L	Red FEP Jacket	CMP	1	22 (7X30)	0.116	566-88761-100	81.30	----------	-----	----------	-----
88760	L	Red FEP Jacket	CMP	1	18 (19X30)	0.150	566-88760-100	84.65	566-88760-500	339.33	----------	-----
82760	M	Natural Flammarest jacket	CMP	2	18 (19X30)	0.157	566-82760-100	67.50	566-82760-500	221.25	566-82760-1000	505.80
1502R	I	White Flame retardant jacket	CMR	2	22 (7 x 30)	0.25	----------	-----	566-1502R-500-10	184.40	566-1502R-1000-10	349.38

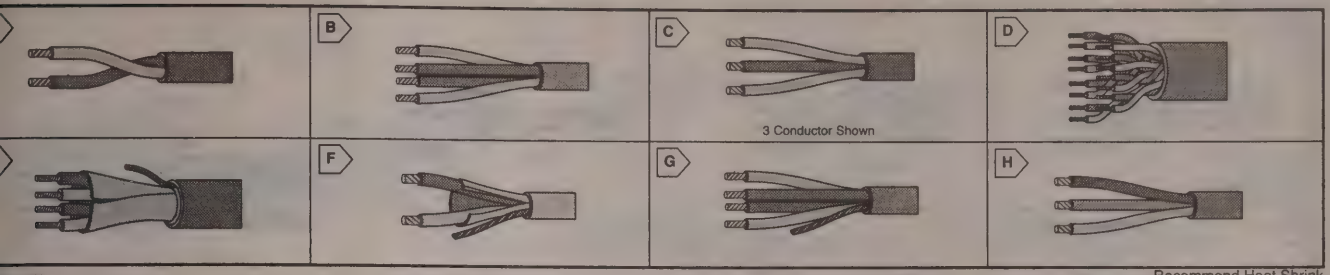
Two Conductor Speaker Wire

Belden Part No.	Fig.	Cable Type	No. of Cond.	AWG	Strand	Nom. O.D.	Color	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spoo
8782	J	Parallel	2	24	7 x 32	.058 x .115	Clear	566-8782-100	34.63	566-8782-500	49.57	566-8782-1000	83.60
9708	J	Parallel	2	18	16 x 30	.110 x .207	Clear	566-9708-100	35.91	566-9708-500	131.97	566-9708-1000	250.02
9717	J	Parallel	2	14	19 x 27	.146 x .282	Clear	566-9717-100	72.77	566-9717-500	228.00	566-9717-1000	504.54
9718	J	Parallel NEC type CL3	2	12	65 x 30	.185 x .370	Clear	566-9718-100	189.33	566-9718-500	523.09	----------	-----

Two Conductor Power Cord

8888	K	Parallel	2	18	14 x 34	.110 x .207	Brown	566-8888-100-08	52.90	566-8888-500-08	123.90	566-8888-1000-08	198.25

BELDEN Audio, Control Instrumentation Cable



CONTROL CABLES

Recommend Heat Shrink FIT221

Shielded, Solid Conductors • AWG: 22 (solid) • Rose gray PVC jacket

Belden Part No.	Fig.	Description	NEC Type	No. of Conductors	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
95	A	Bare copper, polyethylene insulated	CM	2	.168	566-8795-100	40.63	566-8795-500	103.27	566-8795-1000	189.00
94	B	Bare copper, polyethylene insulated	MP/CM	4	.200	566-9794-100	38.50	566-9794-500	158.19	566-9794-1000	222.30

Shielded, Solid Conductors, Twisted Pairs • AWG: 22 (solid) • Chrome PVC jacket

Belden Part No.	Fig.	Description	NEC Type	No. of Pairs	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
41	D	Tinned copper, PVC insulated	MP/CM	2	.230	566-8741-100	34.25	566-8741-500	151.75	566-8741-1000	248.06
57	D	Tinned copper, PVC insulated	MP/CM	4	.264	566-8757-100	63.50	566-8757-500	219.36	----------	-----
		• AWG: 18 (16x30)									
40	D	Tinned copper, PVC insulated	CMG	1	.210	----------	-----	566-9740-500	106.23	566-9740-1000	201.24
90	D	Tinned copper, PVC insulated	CMG	3	.347	----------	-----	566-8690-500	306.86	----------	-----

Brilliance® SOUND, BROADCAST, AUDIO, INSTRUMENTATION, AND CONTROL CABLE

Recommend Heat Shrink FIT221

High Conductive Cable, Unshielded, Twisted Pairs • Tinned copper • PVC insulated

Belden Part No.	Fig.	Description	NEC Type	No. of Pairs	AWG (Strand)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
81	A	Chrome PVC jacket, black, white	MP/CM	1	18 (7 x 26)	.234	566-8461-100	34.58	566-8461-500	110.59	566-8461-1000	209.52

Shielded, Stranded Conductors, Twisted Pairs • Conductors cabled • PVC insulated

Belden Part No.	Fig.	Description	NEC Type	No. of Pairs	AWG (Strand)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
42	A	Tinned copper, chrome PVC jacket	CM	1	22 (7 x 30)	.170	566-8442-100	15.51	566-8442-500	60.42	566-8442-1000	112.87
71	A	Tinned copper,chrome PVC jacket	CMG	1	-------	.274	----------	-----	566-8471-500	195.21	----------	-----

Shielded, Stranded, Multi-Conductor Cable

Belden Part No.	Fig.	Cable Type	NEC Type	No. of Conductors	AWG	Strand	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool
43	C	UL 2576	CM	3	22	7 x 30	.172	566-8443-100	21.87
44	C	UL 2576	CM	4	22	7 x 30	.185	566-8444-100	27.93

Shielded, Stranded Conductors • Overall Beldfoil shield (aluminum -polyester shield)

Belden Part No.	Fig.	Description	NEC Type	No. of Cond.	AWG (Strand)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
118	E	S-R PVC insulated	CM	4	18 (19 x 30)	.245	566-9418-100	59.50	566-9418-500	232.00	566-9418-1000	439.56

Shielded, Stranded Conductors, Twisted Pairs

Overall Beldfoil shield • Chrome PVC jacket • S-R PVC insulated • NEC Type: CM

Belden Part No.	Fig.	Description	No. of Pairs	AWG (Strand)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
801	F	Tinned copper, alum.-polyester shield	1	24 (7x32)	0.156	566-9501-100	19.13	566-9501-500	74.49	566-9501-1000	141.12
862	F	Tinned copper, alum.-polyester shield	1	22 (7 x 30)	.180	566-9462-100	27.80	566-9462-500	107.65	566-9462-1000	203.94

Shielded, Twisted Pairs

Belden Part No.	Fig.	Cable Type	NEC Type	No. of Cond.	AWG	Strand	Nom. O.D.	% Type Shield	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
7861	F	UL2092, non-plenum	CM	2	22	7 x 30	.175	100 Foil	566-8761-100	33.75	566-8761-500	109.69	566-8761-1000	203.30
7860	F	UL2092, non-plenum	CM	2	18	16 x 30	.222	100 Foil	566-8760-100	36.25	566-8760-500	137.87	566-8760-1000	255.55
7862	F	UL2092, non-plenum	CM	2	20	(7X28)	0.204	-----	----------	-----	566-8762-500	127.21	566-8762-1000	241.02
8641	F	UL2092, non-plenum	CM	2	24	(7X32)	0.168	-----	566-8641-100	18.91	566-8641-500	73.73	----------	-----

AUDIO WIRE AND CABLE

Color Code Chart

05 Green	06 Blue	08 Gray
09 White	10 Back	

To order replace __ with applicable code for color desired.

High-flex Multi-Conductor Cable

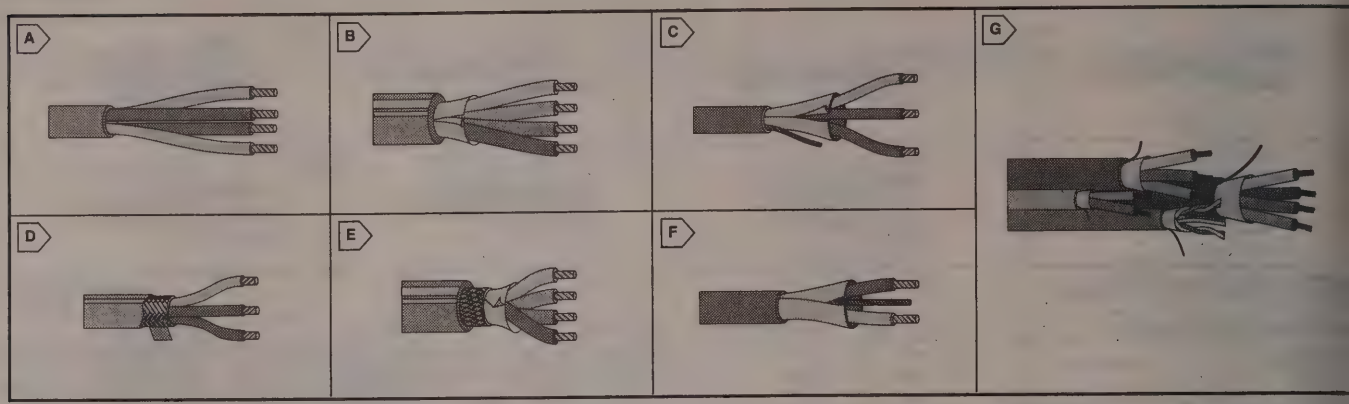
High grade PVC Insulation • Bare High-conductivity ETP copper • PVC Jacket
Audio use only • Non-plenum

Belden Part No.	Fig.	No. of Conductors	AWG (Stranded)	Nominal O.D. (In.)	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
1200UP	G	2	16 (65 X 28)	.208	566-5200-500-__	95.48	566-5200-1000-__	180.90

Speaker Cable

Natural Flamarrest Jacket • Flamarrest® Insulation • Audio use only

Belden Part No.	Fig.	No. of Conductors	AWG (Stranded)	Nominal O.D. (In.)	Jacket Color	NEC Type	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
Non Plenum Bare High-Conductivity ETP Copper										
5T00UP	H	2	10 (65 x 28)	0.356	Gray	CL2	566-5T00UP-500	197.73	566-5T00UP-1000	363.46
Plenum, Stranded Bare Copper										
6T00UP	H	2	10 (65 x 28)	0.308	White	CL2P	----------	-----	566-6T00UP-1000	616.52



Multi-Conductor Unshielded Control Cable (Plenum)

• FEP Insulation • Red FEP Jacket • Suitable for outdoor and direct burial applications
• Tinned copper conductor

Belden Part No.	Fig.	No. of Conductors	AWG (Strand)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool
88444	A	4	22 (7x30)	.121	566-88444-100	68.19	----------	-----

Multi-Conductor Overall Beldfoil® Shield (Non-Plenum)

Recommend Heat Shr
FIT22

• UL AWM Style 2094 • (300V 75° C) • Polyethylene insulation • White PVC Jacket
• Part 8729 has three solid and one stranded tinned-copper-coated steel drain wires

Belden Part No.	Fig.	No. of Conductors	AWG (Strand)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool
8729	B	4	22 (19x34)	.257	----------	-----	566-8729-500	381.25

• (300V RMS) • Polyethylene insulation • Brown PVC Jacket • 22AWG stranded TC drain wire

Belden Part No.	Fig.	No. of Conductors	AWG (Strand)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool
9770	C	3	22 (7X30)	.145	----------	-----	566-9770-500	123.99

High-Temperature Overall Braid Shield

(MIL-W-16878/4, Type E)

• (600V RMS, -65°C to 200°C) • Extruded TFE Teflon insulation • White TFE teflon tape-wrapped jacket

Belden Part No.	Fig.	No. of Conductors	AWG (Strand)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool
83318	D	2	24 (19x36)	.128	566-83318-100	165.78	----------	-----
83319	D	2	22 (19x34)	.140	566-83319-100	196.98	----------	-----

Multi-Conductor Plenum-Rated Overall Foil/Braid Shield

• FEP Insulation • Red FEP Jacket • 100% Beldfoil + 85% tinned copper braid sheild

Belden Part No.	Fig.	No. of Conductors	AWG (Strand)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool
83562	E	12	22 (7x30)	.234	----------	-----	566-83562-500	1902.38

High-Temperature Control and Instrumentation Cables

• (300V RMS 105°C) • Tefzel Insulation • Clear Tefxzel jacket
• Overall 100% Beldfoil aluminum-kapton shield

Belden Part No.	Fig.	No. of Conductors	AWG (Strand)	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool
85231	F	2	16 (19x29)	.210	566-85231-100	377.73	----------	-----

Multi-Conductor Overall Beldfoil® Shield (Non-Plenum)

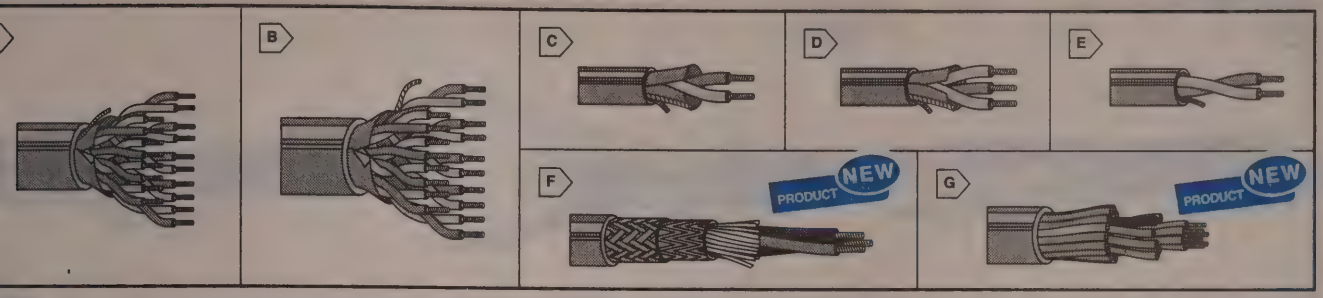
• Polyethylene Insulation • Chrome PVC Jacket

Belden Part No.	Fig.	Cable Type	NEC Type	No. of Cond.	AWG	Strand	Nom. O.D.	% Type Shield	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
8771	C	UL2093	CM	3	22	7 x 30	.199	100 Foil	566-8771-100	32.50	566-8771-500	116.65	566-8771-1000	221.30
8770	C	UL2093	CM	3	18	16 x 30	.246	100 Foil	566-8770-100	52.50	566-8770-500	194.02	566-8770-1000	359.67

COMPOSITE ACCESS CONTROL CABLE

Banana Peel Jacketless Cables

Belden Part No.	Fig.	Component Description	AWG (Strand)	Shielding	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
PVC Insulation, PVC Jacket								
558AFS	G	4-Cond. 3-Pair 2-Cond. 4-Cond.	18 (Stranded) 22 (Stranded) 22 (Stranded) 22 (Stranded)	Bare Copper Shielded	566-558AFS-500	325.28	556-558AFS-1000	565.02
658AFS	G	4-Cond. 3-Pair 2-Cond. 4-Cond.	18 (Stranded) 22 (Stranded) 22 (Stranded) 22 (Stranded)	Bare Copper Shielded	566-658AFS-500	479.09	566-658AFS-1000	907.74



BELDEN OVERALL BELDFOIL® SHIELDED, INSTRUMENTATION AND COMPUTER CABLE

Recommend Heat Shrink FIT221

AWG Stranded Conductors (7x32) • Tinned Copper, PVC Insulated, Twisted Pairs. • UL AVM Style 2464 (300V 80°C), CSA AVM I A • Chrome PVC Jacket

elden rt No.	Fig.	Number of Pairs	Nominal O.D. (In.)	MOUSER STOCK NO.	100' Spool	MOUSER STOCK NO.	500' Spool	MOUSER STOCK NO.	1000' Spool
9501	A	1	.156	566-9501-100	19.13	566-9501-500	74.49	566-9501-1000	141.12
9502	A	2	.222	566-9502-100	30.02	566-9502-500	117.05	566-9502-1000	221.76
9503	A	3	.232	566-9503-100	39.12	566-9503-500	152.49	566-9503-1000	288.90
9504	A	4	.265	566-9504-100	47.84	566-9504-500	186.40	566-9504-1000	336.35
9505	A	5	.289	566-9505-100	53.55	566-9505-500	208.83	566-9505-1000	395.64
9506	A	6	.289	566-9506-100	75.63	566-9506-500	294.80	----------	-----
9507	A	7	.294	566-9507-100	79.47	----------	-----	----------	-----
9508	A	8	.324	566-9508-100	90.26	566-9508-500	351.99	----------	-----
9509	A	9	.334	566-9509-100	100.44	----------	-----	----------	-----
9510	A	10	.368	566-9510-100	112.93	566-9510-500	440.34	----------	-----
9515	A	15	.417	566-9515-100	168.92	----------	-----	----------	-----
9519	A	19	.448	566-9519-100	225.92	----------	-----	----------	-----

INDUSTRIAL AUTOMATION AND PROCESS CONTROL CABLES

lded, Instrumentation 300V Power-Limited Tray Cables

Recommend Heat Shrink FIT221

ed Copper, Twisted Pairs • Overall 100% Beldfoil® Shield • Flame Retardant PVC Insulation and PVC Jacket • Chrome Jacket Color

elden rt No.	Fig.	Number of Pairs	Nominal O.D. (In.)	AWG (Stranding)	MOUSER STOCK NO.	500' Spool	MOUSER STOCK NO.	500' Unreel Box	MOUSER STOCK NO.	1000' Spool	MOUSER STOCK NO.	1000' Unreel Box
9322	B	1	.200	22 (7x30)	----------	-----	----------	-----	----------	-----	566-9322-1000U	232.27
9512	B	2	.308	22 (7x30)	566-9512-500	195.89	----------	-----	566-9512-1000	343.98	----------	-----
9513	B	3	.324	22 (7x30)	566-9513-500	245.58	----------	-----	----------	-----	----------	-----
9514	B	4	.356	22 (7x30)	566-9514-500	327.70	----------	-----	----------	-----	----------	-----
9516	B	6	.418	22 (7x30)	566-9516-500	476.10	----------	-----	----------	-----	----------	-----
9316	C	1	.256	16 (19x29)	----------	-----	566-9316-500U	235.03	----------	-----	----------	-----
9320	C	1	.217	20 (19x32)	----------	-----	566-9320-500U	160.53	----------	-----	----------	-----
		No. of Triads										
9365	D	1	.245	18 (19x30)	----------	-----	566-9365-500U	307.50	----------	-----	----------	-----

ielded, Instrumentation 300V Power-Limited Tray Cables

• Flame Retardant PVC Insulation and PVC Jacket • Chrome Jacket Color

elden rt No.	Fig.	Number of Pairs	Nominal O.D. (In.)	AWG (Stranding)	MOUSER STOCK NO.	500' Unreel Box	MOUSER STOCK NO.	1000' Unreel Box
9407	E	1	.198	22 (7x30)	566-9407-500U	94.20	----------	-----
9410	E	1	.254	16 (19x29)	566-9410-500U	209.71	----------	-----

BELDEN INFINITY® CABLES

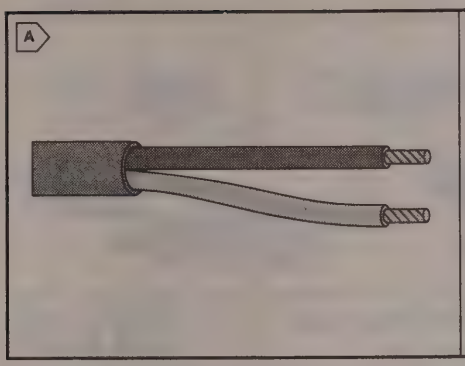
n Infinity® Cables are a complete line specifically designed to handle the rigorous speeds and near constant motion encountered in automated equipment
e robots, pick-and-place machines, automatic handling systems, multi-axis machine tools, and conveyor systems.

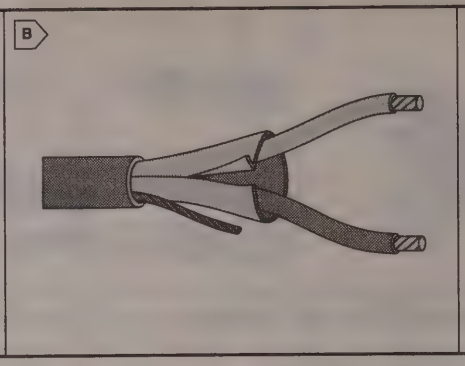
uced Cable Memory • Greater Flex Life • Greater System Uptime • No Talc Problems

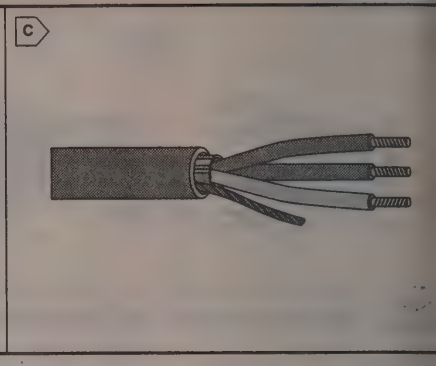
ts Non-Shielded except for part 7436AS which is 85% Braid Shielded

elden rt No.	Fig.	Number of Conductors	Nominal O.D. (In.)	AWG (Stranding)	MOUSER STOCK NO.	250' Spool	MOUSER STOCK NO.	500' Spool	MOUSER STOCK NO.	1000' Spool
(1mm Flex Life)										
)A	F	2	.240	20 (10x30)	566-7400A-250-08	62.59	566-7400A-500-08	111.72	566-7400A-1000-08	211.23
A	F	3	.250	20 (10x30)	566-7401A-250-08	85.44	566-7401A-500-08	152.53	566-7401A-1000-08	288.39
A	F	4	.275	20 (10x30)	566-7402A-250-08	104.76	566-7402A-500-08	187.03	566-7402A-1000-08	353.61
A	F	5	.300	20 (10x30)	566-7403A-250-08	126.44	566-7403A-500-08	225.73	566-7403A-1000-08	426.79
A	F	7	.345	20 (10x30)	566-7404A-250-08	175.75	566-7404A-500-08	313.75	566-7404A-1000-08	593.22
A	F	2	.264	18 (10x30)	566-7409A-250-08	86.72	566-7409A-500-08	154.82	566-7409A-1000-08	292.72
A	F	3	.280	18 (10x30)	566-7410A-250-08	104.76	566-7410A-500-08	187.03	566-7410A-1000-08	353.61
A	F	4	.305	18 (10x30)	566-7411A-250-08	137.31	566-7411A-500-08	245.13	566-7411A-1000-08	463.47
A	F	5	.330	18 (10x30)	566-7412A-250-08	173.33	566-7412A-500-08	309.45	566-7412A-1000-08	585.09
A	F	7	.385	18 (10x30)	566-7413A-250-08	235.91	566-7413A-500-08	423.00	566-7413A-1000-08	796.32
A	F	12	.475	18 (10x30)	566-7415A-250-08	428.51	566-7415A-500-08	765.03	566-7415A-1000-08	1446.45
A	F	18	.560	18 (10x30)	566-7416A-250-08	589.85	566-7416A-500-08	1053.07	----------	-----
A	F	25	.696	18 (10x30)	566-7417A-250-08	823.38	566-7417A-500-08	1470.04	----------	-----
A	F	3	.305	16 (26x30)	566-7422A-250-08	170.93	566-7422A-500-08	305.15	566-7422A-1000-08	576.96
A	F	4	.330	16 (26x30)	566-7423A-250-08	220.27	566-7423A-500-08	393.27	566-7423A-1000-08	743.55
A	F	5	.360	16 (26x30)	566-7424A-250-08	278.08	566-7424A-500-08	496.48	566-7424A-1000-08	938.70
A	F	18	.650	16 (26x30)	566-7428A-250-08	937.67	566-7428A-500-08	1674.08	----------	-----
A	F	4	.395	14 (41x30)	566-7436A-250-08	319.04	566-7436A-500-08	569.59	566-7436A-1000-08	1076.93
AS	F	4	.482	14 (41x30)	566-7436AS-250-08	928.10	566-7436AS-500-08	1656.97	----------	-----
± (9mm Flex Life)										
A	G	3	.275	20 (74x38)	566-7101A -250-03	433.33	566-7101A -500-03	866.64	566-7101A -1000-03	1462.72

BELDEN Audio, Security and Alarm Cables







BELDEN NEW GENERATION® SAFE-T-LINE (CI) FIRE ALARM CABLE

- Flame Retardant
- Low Smoke
- Zero Halogen Jacket
- Thermoset Elastomer Insulation
- Polyolefin Jacket
- UL Standard 2196

* Circuit Integrity Application Only

NEW PRODUCT

Recommend Heat Sh FIT22

Belden Part No.	Fig.	No.of Cond.	Nominal O.D. (In.)	AWG Stranding	MOUSER STOCK NO.	1000' Spool 1
Unshielded						
5320UM	A	2	.308	18 (Solid)	566-5320UM-1000-02	983.51
5220UM	A	2	.329	16 (Solid)	566-5220UM-1000-02	1081.94
5120UM	A	2	.360	14 (Solid)	566-5120UM-1000-02	1795.91
Beldfoil® Shield						
5320FM	B	2	.314	18 (Solid)	566-5320FM-1000-02	1105.30
5220FM	B	2	.331	16 (Solid)	566-5220FM-1000-02	1255.12
5120FM	B	2	.360	14 (Solid)	566-5120FM-1000-02	1924.28
5100FM	B	2	.384	14 (7x22)	566-5100FM-1000-02	2465.08

BELDFOIL® SHIELD AUDIO, SECURITY AND ALARM CABLE

- Bare copper conductors
- PVC Insulation
- Cabled Beldfoil® shield tape (aluminum side out) with drain wire
- Sequential footage marking every two feet
- Gray PVC Jacket

Recommend Heat Sh FIT22

Belden Part No.	Fig.	No.of Cond.	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	500' Spool 1	MOUSER STOCK NO.	1000' Spo 1
5000FE	B	2	12 (19 x 25)	0.272	566-5000FE-500-08	158.94	566-5000FE-1000-08	316.08
5200FE	B	2	16 (19 x 29)	0.188	566-5200FE-500-08	75.62	566-5200FE-1000-08	143.28
5300FE	B	2	18 (7 x 26)	0.165	566-5300FE-500-08	58.72	566-5300FE-1000-08	107.46
5301FE	B	3	18 (7 x 26)	0.175	566-5301FE-500-08	74.39	566-5301FE-1000-08	140.94
5302FE	B	4	18 (7 x 26)	0.192	566-5302FE-500-08	95.10	566-5302FE-1000-08	180.18
5304FE	B	6	18 (7 x 26)	0.23	----------	------	566-5304FE-1000-08	289.26
5400FE	B	2	20 (7 x 28)	0.145	----------	------	566-5400FE-1000-08	84.78
5500FE	B	2	20 (7 x 30)	0.13	566-5500FE-500-08	38.48	566-5500FE-1000-08	69.66
5502FE	B	4	22 (7 x 30)	0.151	566-5502FE-500-08	53.97	566-5502FE-1000-08	98.82
5504FE	B	6	20 (7 x 30)	0.179	566-5504FE-U500-08	79.24	566-5504FE-U1000-08	150.12

UNSHIELDED AUDIO, SECURITY AND ALARM CABLE

- Bare copper conductors
- PVC insulation with rip cord
- Sequential footage marking every two feet
- Gray PVC Jacket

Recommend Heat Sh FIT22

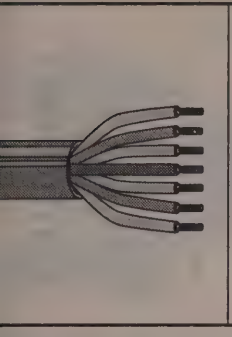
Belden Part No.	Fig.	No. of Cond.	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	500' Spool 1	MOUSER STOCK NO.	1000' Spo 1
5100UE	C	2	14 (19 x 26)	.234	566-5100UE-500-08	90.07	566-5100UE-1000-08	170.64
5200UE	C	2	16 (19 x 29)	.184	566-5200UE-500-08	61.86	566-5200UE-1000-08	117.18
5202UE	C	4	16 (19 x 29)	.220	566-5202UE-500-08	113.44	566-5202UE-1000-08	214.92
5300UE	C	2	18 (7 x 26)	.161	566-5300UE-500-08	47.98	566-5300UE-1000-08	87.12
5302UE	C	4	18 (7 x 26)	.188	----------	------	566-5302UE-1000-08	150.84
5500UE	C	2	22 (7 x 30)	.128	----------	------	566-5500UE-1000-08	55.98
5502UE	C	4	22 (7 x 30)	.148	566-5502UE-U500-08	43.32	566-5502UE-U1000-08	78.48
5504UE	C	6	22 (7 x 30)	.177	566-5504UE-500-08	65.56	566-5504UE-1000-08	120.42
5582UE	C	4	22 (Solid)	.141	566-5582UE-U500-08	39.34	566-5582UE-U1000-08	71.28

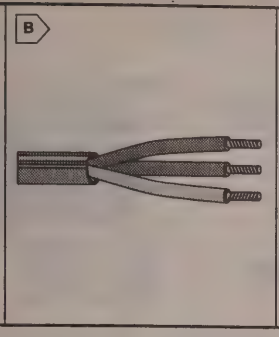
- Bare copper conductors
- Flamarrest® insulation
- Conductors cabled
- Natural Flamarrest® jacket with rip cord
- Sequential footage marking every two feet
- Plenum-Rated

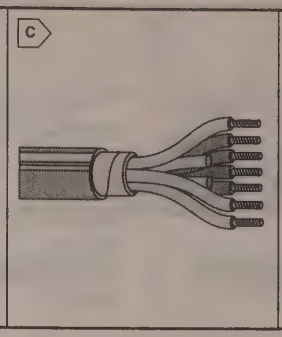
Recommend Heat Sh FIT22

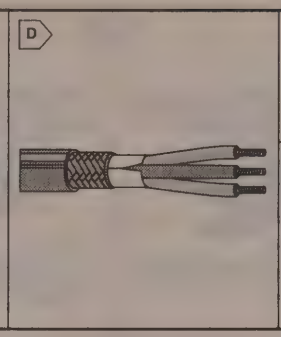
Belden Part No.	Fig.	No. of Cond.	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	500' Spool 1	MOUSER STOCK NO.	1000' Spo 1
6200UE	C	2	16 (19 x 29)	.180	566-6200UE-500	91.30	----------	-------
6300UE	C	2	18 (7 x 26)	.157	566-6300UE-500	66.98	566-6300UE-1000	123.30
6301UE	C	3	18 (7 x 26)	.168	566-6301UE-500	85.98	566-6301UE-1000	162.90
6302UE	C	4	18 (7 x 26)	.186	566-6302UE-500	112.21	566-6302UE-1000	212.58
6500UE	C	2	22 (7 x 30)	.124	566-6500UE-U500	43.71	----------	-------
6502UE	C	4	22 (7 x 30)	.143	566-6502UE-500	66.13	566-6502UE-1000	121.86

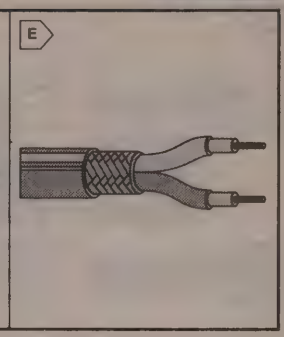
BELDEN Muti-Conductor Cables











HIELDED AUDIO, CONTROL AND INSTRUMENTATION CABLE

d copper stranded, PVC insulated, conductor cabled. Chrome PVC jacket.
Plenum

Recommend Heat Shrink FIT221

den No.	Fig.	No. of Cond.	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	100' Spool 1	MOUSER STOCK NO.	500' Spool 1	500' Spool 5	MOUSER STOCK NO.	1000' Spool 1	1000' Spool 5
VM Style 2464, (300V 80°C)												
39	A	7	20 (7x28)	.260	566-9439-100	59.43	566-9439-500	231.61	219.42	----------	-----	-----
44	A	4	20 (7x28)	.217	566-9444-100	34.01	566-9444-500	126.26	119.62	566-9444-1000	251.10	237.15
45	A	5	20 (7x28)	.239	566-9445-100	42.93	566-9445-500	167.31	158.49	566-9445-1000	316.98	299.37
55	A	9	20 (7x28)	.317	566-9455-100	82.32	----------	-----	-----	----------	-----	-----
VM Style 2598, (300V 60°C)												
89	A	4	18 (19x30)	.257	566-8489-100	45.48	566-8489-500	177.38	168.03	----------	-----	-----
65	A	5	18 (19x30)	.282	566-8465-100	55.65	566-8465-500	204.45	193.68	----------	-----	-----
66	A	12	18 (19x30)	.412	566-8466-100	119.30	----------	-----	-----	----------	-----	-----
67	A	7	18 (19x30)	.314	566-8467-100	73.78	----------	-----	-----	----------	-----	-----
68	A	15	18 (19x30)	.500	566-8468-100	166.19	----------	-----	-----	----------	-----	-----
VM Style 2598, (300V 60°C)												
26	A	25	18 (19x30)	.612	566-9626-100	402.96	----------	-----	-----	----------	-----	-----
19	A	19	18 (19x30)	.490	566-8619-100	256.54	----------	-----	-----	----------	-----	-----
RMS 80°C												
20	A	4	16 (19x29)	.376	566-8620-100	93.55	----------	-----	-----	----------	-----	-----
21	A	7	16 (19x29)	.458	566-8621-100	157.77	----------	-----	-----	----------	-----	-----
21	A	8	16 (19x29)	.496	566-9721-100	188.43	----------	-----	-----	----------	-----	-----
23	A	5	14 (19x27)	.573	566-9623-100	268.56	----------	-----	-----	----------	-----	-----
VM Style 2576, (150V 80°C)												
43	B	3	22 (7X30)	.172	----------	-----	566-8443-500	85.13	80.64	566-8443-1000	161.28	152.32
44	B	4	22 (7X30)	.185	----------	-----	566-8444-500	108.98	103.23	566-8444-1000	206.46	194.99
45	B	5	22 (7X30)	.194	566-8445-100	34.96	----------	-----	-----	566-8445-1000	258.12	243.78
30	B	7	22 (7X30)	.214	----------	-----	566-9430-500	154.11	145.98	566-9430-1000	291.96	275.74
21	B	8	22 (7X30)	.229	566-9421-100	45.80	566-9421-500	178.61	169.20	566-9421-1000	338.40	319.60
23	B	9	22 (7X30)	.244	566-9423-100	50.84	566-9423-500	198.18	187.74	----------	-----	-----
56	B	10	22 (7X30)	.264	566-8456-100	56.83	----------	-----	-----	----------	-----	-----
57	B	12	22 (7X30)	.272	566-8457-100	62.58	----------	-----	-----	----------	-----	-----
31	B	20	22 (7X30)	.345	566-9431-100	137.11	----------	-----	-----	----------	-----	-----
59	B	25	22 (7X30)	.387	566-8459-100	176.06	----------	-----	-----	----------	-----	-----
32	B	30	22 (7X30)	.400	566-9432-100	212.41	----------	-----	-----	----------	-----	-----
33	B	40	22 (7X30)	.455	566-9433-100	317.65	----------	-----	-----	----------	-----	-----

HIELDED POWER AND CONTROL CABLE

er and Oil Resistant Rubber SO Cables
RMS 60°C
er Insulation

- Cunductors Cabled with Fillers
- Stranded Conductors
- Black Oil-resistant Rubber Jacket
- Bare Copper

Recommend Heat Shrink FIT600 Recommend Heat Shrink FIT700 Recommend Heat Shrink FIT750

den No.	Fig.	No. of Cond.	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	100' Spool	MOUSER STOCK NO.	500' Spool 1	500' Spool 5	MOUSER STOCK NO.	1000' Spool 1	1000' Spool 5
22	C	7	16 (65x34)	.581	566-9422-100	289.77	----------	-----	-----	----------	-----	-----
24	C	9	16 (65x34)	.720	566-9424-100	367.12	----------	-----	-----	----------	-----	-----

RALL BRAID AUDIO, CONTROL AND INSRUMENTATION CABLE

RMS 105°C
ne PVC Jacket

- Polypropelene Insulation
- 95% Tinned Copper Braid Shield

Recommend Heat Shrink FIT221

den No.	Fig.	No. of Cond.	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	100' Spool	MOUSER STOCK NO.	250' Spool 1	250' Spool 5	MOUSER STOCK NO.	500' Spool 1	500' Spool 5
43	D	3	30 (7x38)	.096	----------	-----	566-8643-250	179.13	162.50	----------	-----	-----

RALL BRAID COMMUNICATION AND INSTRUMENTATION SHIELD CABLE

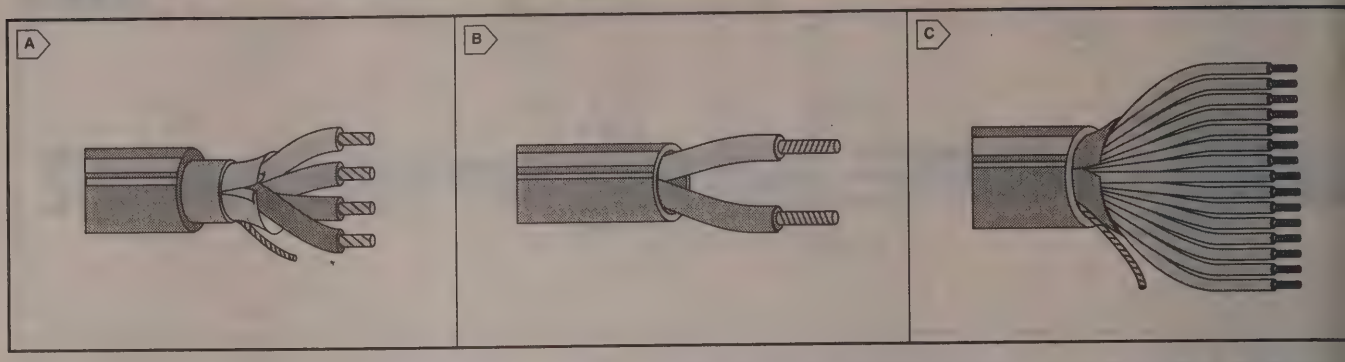
RMS 105°C
Tinned Cpooer Braid Shield

- MIL-W-16878 (Type) Conductors, Shielded and Jacketed
- PVC Insulation and White PVC Jacket

Recommend Heat Shrink FIT221

den No.	Fig.	No. of Cond.	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	100' Spool	MOUSER STOCK NO.	500' Spool 1	500' Spool 5	MOUSER STOCK NO.	1000' Spool 1	1000' Spool 5
42	E	2	20 (19x32)	.192	566-9962-100	79.41	----------	-----	-----	----------	-----	-----

BELDEN Multi-Conductor Cables



OVERALL FOIL / BRAID SHIELD COMPUTER CABLES

- Computer Cables for EIA RS-232 Applications
- Chrome PVC Jacket
- Tinned Copper Stranded
- UL AWM Style 2464 (300V 80°C)
- Semi-rigid PVC Insulation

Recommend Heat Sh
FIT22

Belden Part No.	Fig.	No. of Cond.	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	100' Spool	MOUSER STOCK NO.	500' Spool	MOUSER STOCK NO.	1000' Spool
9939	A	3	22 (7x30)	.202	566-9939-100	40.26	566-9939-500	156.95	566-9939-1000	297.36
9940	A	4	22 (7x30)	.215	566-9940-100	52.56	566-9940-500	195.14	566-9940-1000	369.72
9941	A	5	22 (7x30)	.23	566-9941-100	59.44	566-9941-500	231.71	566-9941-1000	439.02
9942	A	6	22 (7x30)	.245	566-9942-100	65.30	566-9942-500	260.97	566-9942-1000	494.46
9943	A	7	22 (7X30)	.245	566-9943-100	78.38	566-9943-500	305.62	566-9943-1000	579.06
9944	A	8	22 (7X30)	.260	566-9944-100	84.25	566-9944-500	328.52	566-9944-1000	622.44
9945	A	9	22 (7X30)	.280	566-9945-100	95.59	566-9945-500	372.60	566-9945-1000	705.96
9946	A	10	22 (7X30)	.300	566-9946-100	105.22	566-9946-500	410.31	566-9946-1000	777.42
9947	A	15	22 (7x30)	.34	566-9947-100	145.47	566-9947-500	567.15	566-9947-1000	1074.60
9948	A	25	22 (7X30)	.41	566-9948-100	295.01	566-9948-500	1150.08	566-9948-1000	2179.08
9949	A	37	22 (7X30)	.460	566-9949-100	385.65	566-9949-500	1503.48	566-9949-1000	2848.68
9950	A	50	22 (7x30)	.555	566-9950-100	589.57	566-9950-500	2298.44	566-9950-1000	4354.92
9608	A	3	24 (7x 32)	.190	566-9608-100	44.84	566-9608-500	198.07	566-9608-1000	331.20
9609	A	4	24 (7x32)	.200	566-9609-100	54.89	566-9609-500	214.04	566-9609-1000	405.54
9610	A	5	24 (7x32)	.215	566-9610-100	65.94	566-9610-500	257.08	566-9610-1000	487.08
9611	A	6	24 (7x 32)	.225	566-9611-100	80.53	566-9611-500	314.07	566-9611-1000	595.08
9612	A	7	24 (7x 32)	.225	566-9612-100	93.44	566-9612-500	364.24	566-9612-1000	690.12
9613	A	8	24 (7x 32)	.253	566-9613-100	106.00	566-9613-500	413.26	566-9613-1000	783.00
9614	A	9	24 (7x 32)	.253	566-9614-100	129.19	566-9614-500	503.70	566-9614-1000	954.36
9615	A	10	24 (7x32)	.27	566-9615-100	164.47	566-9615-500	641.25	566-9615-1000	1215.00
9616	A	15	24 (7x32)	.3003	566-9616-100	219.38	566-9616-500	855.39	566-9616-1000	1620.72
9617	A	25	24 (7x32)	.370	566-9617-100	375.14	566-9617-500	1462.44	566-9617-1000	2770.92
9618	A	37	24 (7x32)	.411	566-9618-100	600.94	566-9618-500	2342.81	566-9618-1000	4438.98
9619	A	50	24 (7x32)	.485	566-9619-100	759.64	566-9619-500	2961.54	566-9619-1000	5611.32

- UL AWM Style 2919 (30V 80°C)
- Datalene® Insulation
- Chrome PVC Jacket
- Low-Capacitance Coputer Cable for EIA RS-232 and EIA RS-423 Applications

Belden Part No.	Fig.	No. of Cond.	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	100' Spool	MOUSER STOCK NO.	500' Spool		MOUSER STOCK NO.	1000' Spool	
								1	5		1	5
9925	A	3	24 (7X32)	.215	566-9925-100	40.10	566-9925-500	156.29	148.05	566-9925-1000	296.10	279.6
9927	A	4	24 (7X32)	.230	566-9927-100	47.86	566-9927-500	186.50	176.67	----------	-----	----

DUPLEX PRIMARY WIRE

- 300V RMS 75°C
- Bare Copper
- PVC Insulation
- Chrome PVC Jacket
- Stranded Conductors
- Conductors Parallel

Belden Part No.	Fig.	No. of Cond.	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	100' Spool	MOUSER STOCK NO.	500' Spool		MOUSER STOCK NO.	1000' Spool	
								1	5		1	5
8677	B	2	16 (19x29)	.149x.254	----------	-----	566-8677-500	152.73	138.56	----------	-----	----

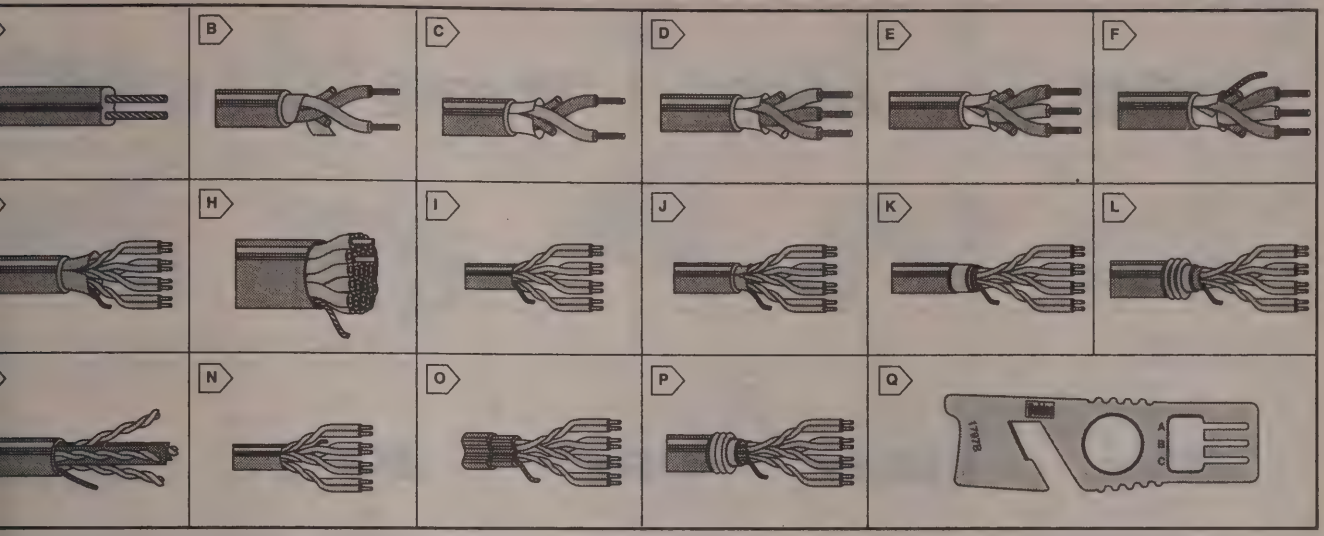
OVERALL 100% BELDFOIL® SHIELD

- Computer Cables for EIA RS-232 Applications
- UL AVM Style 2464, (300V 80°C)
- Chrome PVC Jacket
- Semi-rigid PVC Insulation

Recommend Heat Sh
FIT22

Belden Part No.	Fig.	No. of Cond.	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	100' Spool	MOUSER STOCK NO.	500' Spool		MOUSER STOCK NO.	1000' Spool	
						1		1	5		1	5
9533	C	3	24 (7x32)	.162	566-9533-100	24.68	566-9533-500	96.13	91.08	566-9533-1000	182.16	172.0
9535	C	5	24 (7x32)	.189	566-9535-100	35.51	566-9535-500	138.43	131.13	566-9535-1000	262.26	247.6
9536	C	6	24 (7x32)	.209	566-9536-100	41.47	566-9536-500	161.70	153.18	566-9536-1000	306.36	289.3
9537	C	7	24 (7x32)	.209	566-9537-100	46.35	----------	-----	-----	----------	-----	----
9538	C	8	24 (7x32)	.224	566-9538-100	50.79	566-9538-500	197.99	187.56	----------	-----	----
9540	C	10	24 (7x32)	.244	566-9540-100	58.76	566-9540-500	229.30	216.99	----------	-----	----
9541	C	15	24 (7x32)	.284	566-9541-100	82.98	566-9541-500	323.48	306.45	----------	-----	----
9543	C	25	24 (7x32)	.339	566-9543-100	150.77	----------	-----	-----	----------	-----	----
9544	C	30	24 (7x32)	.380	566-9544-100	245.34	----------	-----	-----	----------	-----	----

BELDEN Portable Cordage and Datatwist® Cable



® portable cordage products are available in a wide assorted of styles, lengths, and thickness.
ts offered include 2-, 3-, 4- and 5-conductor as well as multi-conductor constructions.

able Cordage 2-Conductor

T-1 PVC Parallel Lamp Cord
0V, 60°C
/CSA Listed

Recommend Heat Shrink FIT221

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG Stranding	Nominal O.D. (In.)	250' Spool 1	250' Spool 5
3-19122-250-10	19122	A	18 (42x34)	.110x.207	70.59	64.05

D Oil-Resistant Rubber Jacket • 300V, 90°C • UL/CSA Listed

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG Stranding	Nominal O.D. (In.)	250' Spool 1	250' Spool 5
3-19227-250-10	19227	B	18 (16x30)	.290	161.64	146.68
3-19228-250-10	19228	B	16 (26x30)	.315	210.14	190.65

T PVC Jacket • 300V, 60°C • UL/CSA Listed

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG Stranding	Nominal O.D. (In.)	250' Spool 1	250' Spool 5
3-19140-250-10	19140	C	18 (42x34)	.243	105.57	95.78

able Cordage 3-Conductor

Recommend Heat Shrink FIT221

T PVC Jacket • 300V, 60°C • UL/CSA Listed

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG Stranding	Nominal O.D. (In.)	250' Spool 1	250' Spool 5
3-19348-250-10	19348	D	18 (42x34)	.328	167.04	151.55
3-19349-250-10	19349	D	16 (65x34)	.340	195.91	177.75

T PVC Jacket • 300V, 60°C • UL/CSA Listed

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG Stranding	Nominal O.D. (In.)	250' Spool 1	250' Spool 5
66-19353-250-10	19353	E	16 (65x34)	.353	196.91	178.65

TOW Belflex® Matte Black Premium PVC • 300V, 105°C • UL/CSA Listed

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG Stranding	Nominal O.D. (In.)	250' Spool 1	250' Spool 5
66-19509-250-10	19509	E	18 (42x34)	.315	164.09	148.88
66-19510-250-10	19510	E	16 (65x34)	.340	223.87	203.09

T PVC Jacket • 300V, 60°C Shielded • UL/CSA Listed

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG Stranding	Nominal O.D. (In.)	250' Spool 1	250' Spool 5
66-19364-250-10	19364	F	14 (41x30)	.402	305.41	277.11

DataTwist® 5 ScTP Cable (Networking Cable)

- TIA/EIA-B.2, Category 5 Unbonded-Pair Cable
- Non-Plenum
- Solid Bare Copper
- Polyolefin Insulation / PVC Jacket

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG	Nominal O.D. (In.)	1000' Spool 1	1000' Spool 5
* 566-1624R-1000-02	1624R	G	24	0.250	251.10	237.15
* 566-1583A-1000-10	1583A	I	24	0.214	85.68	80.92
566-1633A-1000-06	1633A	G	24	0.260	259.38	244.97
566-1864A-1000-06	1864A	H	24	0.556	1434.24	1354.56

*Other Colors Available

DataTuff® Cat 5e Industrial Ethernet Cable

- Cat 5e Bonded-Pairs
- Non-Plenum
- Solid Bare Copper
- Polyolefin Insulation / PVC Jacket

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG	Nominal O.D. (In.)	1000' Spool 1	1000' Spool 5
566-7918A-1000	7918A	I	24	0.230	123.66	116.79
566-7919A-1000	7919A	J	24	0.265	315.72	298.18
566-7921A-1000	7921A	J	24	0.330	548.64	518.16
566-7929A-1000	7929A	J	24	0.265	361.62	341.53
Enhanced Cat 5e						
566-7923A-1000-10	7923A	I	24	0.230	187.38	176.97
** 566-7924A-1000	7924A	I	24	0.242	288.54	272.51
566-7928A-1000	7928A	I	24	0.187	683.28	645.32
566-11700A-1000-10	11700A	K	24	0.285	252.72	238.68
566-121700A-1000-10	121700A	L	24	0.530	1238.94	1170.11

** Stranded Tinned Copper

DataTuff® Cat 6 Industrial Ethernet Cable

- Cat 6 Bonded-Pairs
- Non-Plenum
- Solid Bare Copper
- Polyolefin Insulation / PVC Jacket

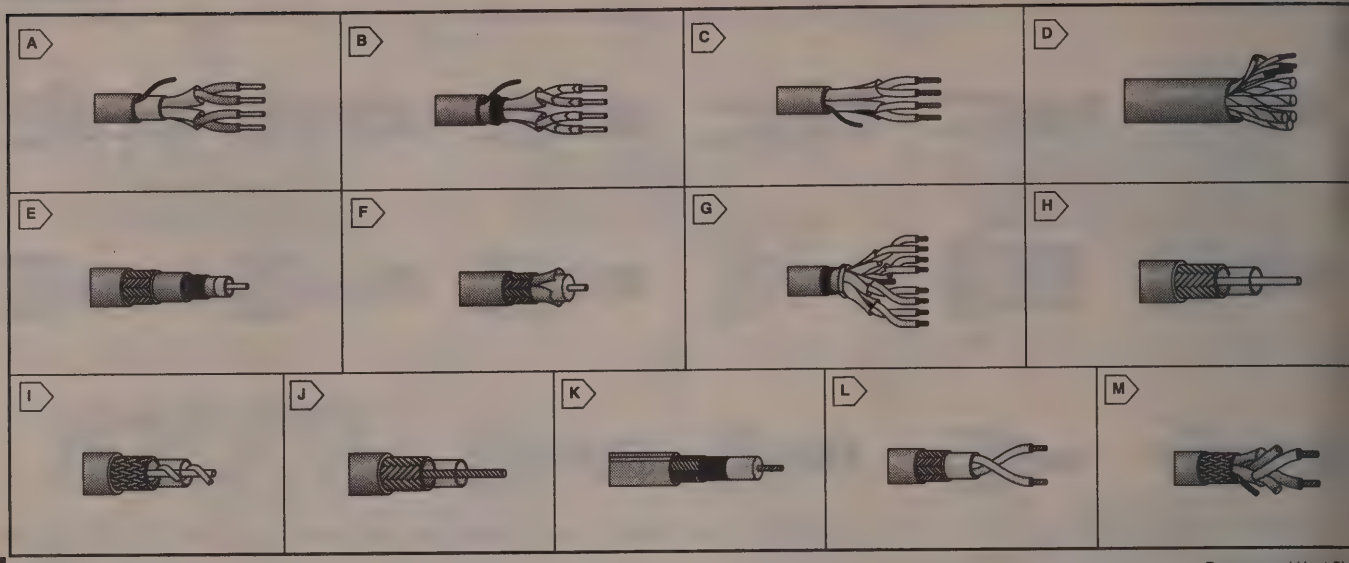
MOUSER STOCK NO.	Belden Part No.	Fig.	AWG	Nominal O.D. (In.)	1000' Spool 1	1000' Spool 5
566-7927A-1000	7927A	M	23	0.251	406.44	383.86
566-7931A-1000	7931A	N	23	0.214	871.20	822.80
566-11872A-1000-10	11872A	O	23	0.475	348.66	329.29
566-121872A-1000-10	121872A	P	23	0.684	1380.60	1303.90

Cable Preparation Tool (For DataTwist® Cable)

This tool makes it faster and easier to prepare cables for connector termination. It can be used to prepare any unbonded-pair cable for installation.

MOUSER STOCK NO.	Belden Part No.	Fig.	Price Each 1	Price Each 5
566-1797B	1797B	Q	9.23	8.37

BELDEN LAN and Computer Cables



IBM TYPE CABLES

Recommend Heat Sh FIT22

IBM Type 1A, IEEE 802.5 • AWG: 22 • Strand: solid • Nominal Impedance: 150Ω

Belden Part No.	Fig.	Cable Type	IBM Part No.	NEC Type	No. of Pairs	Nom. O.D.	% Type Shield	100' Spools MOUSER STOCK NO.	Price Per 100' Spool	500' Spools MOUSER STOCK NO.	Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	Price Pe 1000' Spo
9688	A	Non-Plenum	4716748	CM	2	.295 x .430	100 / Foil, 65 Braid	566-9688-100	67.86	566-9688-500	113.34	566-9688-1000	198.49
82688	B	Plenum	4716749	CMP	2	.250 x .350	100 / Foil, 65 Braid	566-82688-100	155.00	566-82688-500	664.93	566-82688-1000	1223.57

COMPUTER CABLES, PAIRED, AND INDIVIDUALLY SHIELDED

Belden Part No.	Fig.	NEC Type	No. of Pairs	AWG	Strand	Nom. O.D.	Nom. Imp. Ω	% Type Shield	100' Spools MOUSER STOCK NO.	Price Per 100' Spool	500' Spools MOUSER STOCK NO.	Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	Price Pe 1000' Spo
8723	C	CM	2	22	7 x 30	.165	45	100 Foil	566-8723-100	29.98	566-8723-500	126.19	566-8723-1000	234.40
8777	D	CM	3	22	7 X 30	.273	50	100 Foil	566-8777-100	61.47	566-8777-500	258.51	566-8777-1000	517.02
8778	D	CM	6	22	7 x 30	.362	50	100 Foil	566-8778-100	111.55	566-8778-500	492.51	566-8778-1000	938.30
9773	D	CM	3	18	19 x 30	.404	50	100 Foil	566-9773-100	98.98	----------	-----	566-9773-1000	731.16

LAN TRUNK CABLE

Recommend Heat Sh FIT22

IEEE 802.3 10 Base 5 LAN Trunk / Transceiver Coaxial Cables

Belden Part No.	Fig.	Cable Type	NEC Type	AWG	Strand	Nom. O.D.	Nom. Imp.	% Type Shield	100' Spools MOUSER STOCK NO.	Price Per 100' Spool	500' Spools MOUSER STOCK NO.	Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	Price Pe 1000' Spo
9880	E	Ethernet, foil / braid shield	CL2	12	Solid	.405	50	93 / 95	566-9880-100	130.75	566-9880-500	284.24	----------	-----

IEEE 802.3 10 Base 2 LAN Trunk Cable

9907	F	Ethernet, foil / braid shield	CL2	20	19 x 32	.182	50	93	566-9907-100	44.55	566-9907-500	72.47	566-9907-1000	127.26
82907	F	Ethernet, plenum, Flammarest	CL2P	20	19 x 32	.160	50	93	566-82907-100	57.50	----------	-----	566-82907-1000	461.52

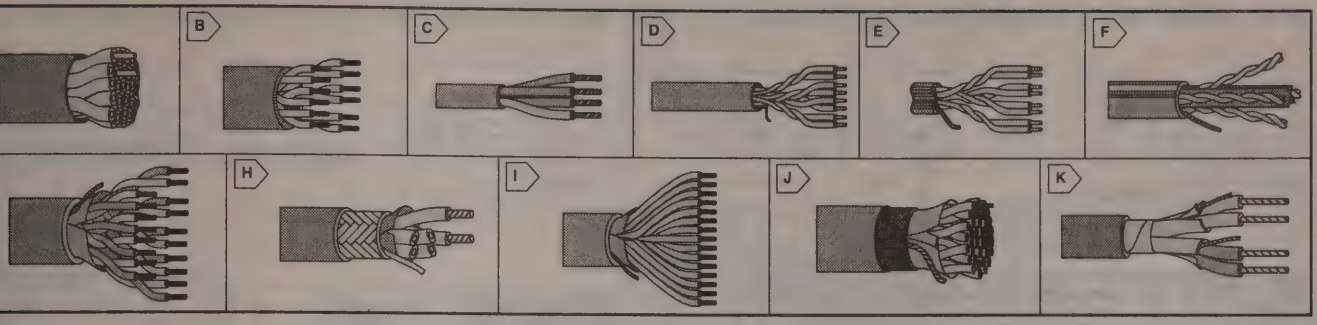
LAN TRANSCEIVER CABLES

Belden Part No.	Fig.	Cable Type	No. of Pairs	NEC Type	AWG	Strand	Nom. O.D.	Nom. Imp.	% Type Shield	100' Spools MOUSER STOCK NO.	Price Per 100' Spool	500' Spools MOUSER STOCK NO.	Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	Price Pe 1000' Sp
9901	G	UL2919	4	CL2	20	7 x 28	.415	78	Foil + 95 Braid	566-9901-100	182.50	566-9901-500	893.94	----------	-----

COMPUTER CABLES

Recommend Heat S FIT22

Belden Part No.	Fig.	Description	AWG	Strand	Nom. O.D.	Nom. Imp.	% Shield	100' Spools MOUSER STOCK NO.	Price Per 100' Spool	500' Spools MOUSER STOCK NO.	Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	Price Pe 1000' Sp
8240	H	50Ω Transmission cable, RG58 /U	20	Solid	.193	53.5	95	566-8240-100	45.23	566-8240-500	155.28	566-8240-1000	310.59
9201	H	50Ω Transmission cable, RG58 /U	20	Solid	.193	51.5	78	----------	-----	566-9201-500-10	122.66	566-9201-1000-10	230.40
82240	H	RG 58/U type, plenum	20	Solid	.161	53.5	95	566-82240-100	100.00	566-82240-500	354.00	566-82240-1000	839.49
9269	I	RG 62A/U type	22	Solid	.242	93	95	566-9269-100	34.07	----------	-----	566-9269-1000	263.10
82269	I	RG 62/U type, plenum	22	Solid	.204	93	95	566-82269-100	61.25	----------	-----	----------	-----
8216	J	RG 174/U type	26	7 x 34	.101	50	95	566-8216-100	40.01	566-8216-500	138.69	566-8216-1000	243.54
8219	J	RG 58A/U	20	19 x 32	.194	53.5	96	----------	-----	566-8219-500	180.33	566-8219-1000	341.64
9311	K	RG 58A/U	20	19 x 32	.193	52	55	----------	-----	566-9311-500-10	264.87	566-9311-1000-10	496.08
9207	L	Twinaxial, foil / braid shield	20	7 x 28	.330	100	86	566-9207-100	63.10	566-9207-500	278.77	566-9207-1000	557.53
9463	M	Twinaxial, foil / braid shield	20	7 x 28	.243	78	100	566-9463-100	47.89	566-9463-500	199.66	566-9463-1000	399.26



TELEPHONE OR DATA CABLES

Recommend Heat Shrink FIT221

Shielded, Twisted Pairs • AWG: 24 (solid)

Item No.	Fig.	Description	NEC Type	No. of Pairs	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
A	A	Category 3, S-R PVC insulated, gray PVC jacket	CMR	2	.120	----------	-----	----------	-----	566-1227A-1000	73.80
	B	Category 1, PVC insulated, gray PVC jacket	CM	2	.199	----------	-----	566-9562-500	111.43	566-9562-1000	168.51
	B	Category 1, PVC insulated, gray PVC jacket	MP/CM	6	.289	566-9566-100	101.30	566-9566-500	276.15	566-9566-1000	523.26
	B	Category 1, PVC insulated, gray PVC jacket	MP/CM	25	1.02	566-9585-100	377.48	566-9585-500	1027.79	566-9585-1000	1947.42

Shielded, 4 Conductor • AWG: 22 (solid) • Bare copper

Item No.	Fig.	Description	NEC Type	No. of Pairs	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
A	C	Polyethylene insulated, light gray PVC jacket	CMX	4	.140	566-1242A-100	30.00	566-1242A-500	60.77	566-1242A-1000	83.70

TWISTED PAIR CABLES

Color Code Chart

01 Brown	02 Red	03 Orange	04 Yellow
05 Green	06 Blue	07 Violet	08 Gray
09 White	10 Back		

Recommend Heat Shrink FIT221

Shielded, Twisted Pairs • Nominal Impedance: 100Ω • AWG: 24 (solid)

Item No.	Fig.	Description	Jacket Color	NEC Type	No. of Pairs	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
A	D	Category 5e, polyolefin insul., PVC jacket	Gray	CM	2	0.185	----------	-----	----------	-----	566-1588A-1000	115.19
A	D	Category 5e, FEP insul., plenum jacket	White	CMP	2	0.170	----------	-----	----------	-----	566-1590A-1000	242.60
A	D	Category 5e, polyolefin insul., PVC jacket	02-06,08-10	CM	4	0.217	----------	-----	----------	-----	566-1583A-1000-__	97.59
B	D	Category 5e, polyolefin insul., PVC jacket	Pink	CM	4	0.217	----------	-----	----------	-----	566-1583B-1000	102.47
A	D	Category 5e, FEP insul., plenum jacket	Natural	CMP	4	0.200	----------	-----	----------	-----	566-1585A-1000	235.35
B	D	Category 5e, FEP insul., plenum jacket	Pink	CMP	4	0.200	----------	-----	566-1585B-500	230.10	566-1585B-1000	342.74
A	D	Category 5e, polyolefin insul., PVC jacket	02-06,09	CM	4	0.200	----------	-----	----------	-----	566-1500A-1000-__	109.80
A	D	Category 5e, FEP insul., plenum jacket	02-05,08,09	CMP	4	0.200	----------	-----	----------	-----	566-1501A-1000-__	286.20
A	D	Category 5e, polyolefin insul., PVC jacket	02-06,09	CM	4	0.200	----------	-----	----------	-----	566-1700A-1000-__	135.72
A	D	Category 5e, FEP insul., plenum jacket	02-05,08-10	CMP	4	0.200	----------	-----	----------	-----	566-1701A-1000-__	372.78
A	D	Category 5e, polyolefin insul., PVC jacket	Lt. Blue	CM	2X4	.200 X .415	----------	-----	----------	-----	566-1702A-1000-06	316.44
A	D	Category 5e, FEP insul., plenum jacket	Natural	CMP	2X4	.195 X .405	----------	-----	----------	-----	566-1703A-1000	889.02
A	D	Category 5e, polyolefin insul., PVC jacket	02-07, 10	CM	4	0.220	----------	-----	----------	-----	566-1752A-1000-__	246.24
A	D	Category 6, FEP insul., plenum jacket	02-05,07-10	CMP	4	0.224	----------	-----	----------	-----	566-7882A-1000-__	399.60
A	D	Category 6, polyolefin insul., PVC jacket	02-10	CMR	4	0.235	----------	-----	----------	-----	566-7881A-1000-__	153.00
A	E	Category 6, polyolefin insul., PVC jacket	02-07,09,10	CMR	4	0.365	----------	-----	----------	-----	566-1872A-1000-__	193.32
GB	E	Category 6, polyolefin insul., PVC jacket	04-06, 09, 10	CMR	4	.365 X .165	----------	-----	----------	-----	566-1875GB-1000-__	265.86
A	E	Category 6, FEP insul., plenum jacket	02-05,07,09,10	CMP	4	0.365	----------	-----	----------	-----	566-1874A-1000-__	557.82
A	F	Category 6, polyolefin insul., PVC jacket	02-06,09,10	CMR	4	0.225	----------	-----	----------	-----	566-7851A-1000-__	335.88
A	F	Category 6, FEP insul., plenum jacket	02-05,08-10	CMP	4	0.215	----------	-----	----------	-----	566-7852A-1000-__	955.08

Shielded, Twisted Pairs, For EIA RS-232 Applications
(stranding): 24 (7 x 32) • Aluminum-polyester shield

Item No.	Fig.	Description	NEC Type	No. of Pairs	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
	G	Polyethylene Insulated, PVC jacket	CM	3	0.282	----------	-----	566-9680-500	227.25	----------	-----

Shielded, Twisted Pairs, For EIA RS-485 Applications
(stranding): 24 (7 x 32) • Aluminum-polyester shield • Nominal impedance: 120Ω

	H	Polyethylene insulated, chrome PVC jacket	CM	1	.228	566-9841-100	62.39	566-9841-500	243.29	566-9841-1000	460.98
	H	Polyethylene insulated, chrome PVC jacket	CM	2	.336	566-9842-100	80.36	566-9842-500	313.41	566-9842-1000	593.82

Shielded, Multi-Conductor Cable For EIA RS-232 Applications
(stranding): 24 (7 x 32) • Aluminum-polyester shield

Item No.	Fig.	Description	NEC Type	No. of Cond.	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
	I	S-R PVC insulated, chrome PVC jacket	CM	4	.184	566-9534-100	28.66	566-9534-500	111.80	566-9534-1000	211.86
	I	S-R PVC insulated, chrome PVC jacket	CM	9	.244	566-9539-100	54.24	566-9539-500	211.48	566-9539-1000	400.68

Shielded, Twisted Pairs, For EIA RS-422 Applications

Item No.	Fig.	Description	NEC Type	No. of Cond.	Nominal O.D. (In.)	100' Spools MOUSER STOCK NO.	100' Spools Price Per 100' Spool	500' Spools MOUSER STOCK NO.	500' Spools Price Per 500' Spool	1000' Spools MOUSER STOCK NO.	1000' Spools Price Per 1000' Spool
(stranding): 28 (7 x 36)											
	J	Polypropylene Insulated, chrome PVC jacket	CL2	4	.237	566-9806-100	92.94	----------	-----	----------	-----
(stranding): 24 (7 x 32)											
	J	Datalene® Insulation,Chrome PVC Jacket	CM	2	.270	566-8102-100	64.02	----------	-----	----------	-----
	J	Datalene® Insulation,Chrome PVC Jacket	CM	3	.283	566-8103-100	78.04	----------	-----	----------	-----
	J	Datalene® Insulation,Chrome PVC Jacket	CM	4	.302	566-8104-100	94.46	----------	-----	----------	-----
(stranding): 22 (7 x 30)											
	J	Semi-rigid PVC Insulation, Chrome PVC Jacket	CMG	2	.260	566-8302-100	66.46	----------	-----	----------	-----
	J	Semi-rigid PVC Insulation, Chrome PVC Jacket	CMG	12	.455	566-8312-100	219.54	----------	-----	----------	-----

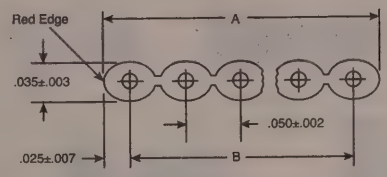
Shielded Twisted Pairs, Low-Capacitance 100 Ω Computer Cable • AWG (stranding): 24 (7 x 32)

	K	Datalene® Insulation,Chrome PVC Jacket	CM	2	.317	----------	-----	----------	-----	566-9729-1000	463.68
	K	Datalene® Insulation,Chrome PVC Jacket	CM	3	.334	566-9730-100	87.50	----------	-----	----------	-----

SPECTRA-ZIP .050" CENTERS GRAY FLAT CABLE

Features:

- Fast low cost mass termination cable
- 28 AWG, 7/36 Stand tinned copper
- Color: Grey (one edge red)
- Terminates to standard IDC connectors
- Current rating: 1A
- Voltage rating: 300V
- Temperature rating: 221°F (105°C)



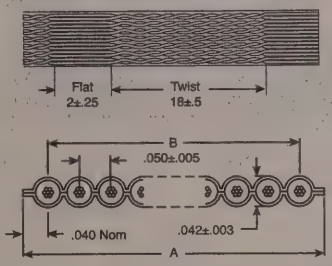
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	No. of Cond.	Total Width A (In.)	Total Span B (In.)	Price Per 100' Spool 1	5	10
523-191-2801-110	843-191-2801-110	10	.500	.450	15.75	14.49	13.65
523-191-2801-114	843-191-2801-114	14	.700	.650	20.62	20.05	19.52
523-191-2801-116	843-191-2801-116	16	.800	.750	21.93	20.18	19.01
523-191-2801-120	843-191-2801-120	20	1.000	.950	27.41	25.21	23.75
523-191-2801-125	843-191-2801-125	25	1.250	1.200	34.26	31.52	29.69
523-191-2801-126	843-191-2801-126	26	1.300	1.250	35.63	32.78	30.88
523-191-2801-134	843-191-2801-134	34	1.700	1.650	46.59	42.86	40.38
523-191-2801-136	843-191-2801-136	36	1.800	1.750	47.51	45.39	42.76
523-191-2801-140	843-191-2801-140	40	2.000	1.950	58.90	57.29	55.76
523-191-2801-150	843-191-2801-150	50	2.500	2.450	68.52	63.04	59.38
523-191-2801-160	843-191-2801-160	60	3.000	2.950	82.22	75.64	71.25

TWIST'N'FLAT .050" CENTERS COLOR CODED FLAT CABLE

Features:

- Provides rapid mass termination of twisted pair cable.
- Twisted pairs to reduce crosstalk
- 28 AWG, 7/36 Stand tinned copper
- Fully laminated with clear PVC
- Voltage rating: 300V
- Temperature rating: 176°F (80°C)
- Terminates to standard IDC connectors
- Color coded for easy identification



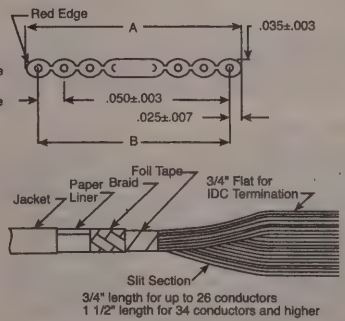
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	No. of Pairs	Total Width A (In.)	Total Span B (In.)	Price Per 100' Spool 1	5	10
523-132-2801-010	132-2801-010	5	.526	.450	35.37	31.83	30.65
523-132-2801-016	132-2801-016	8	.826	.750	56.58	50.92	49.04
523-132-2801-026	132-2801-026	13	1.326	1.250	91.95	82.76	79.69
523-132-2801-034	132-2801-034	17	1.726	1.650	125.06	122.22	118.96
523-132-2801-040	132-2801-040	20	2.026	1.950	141.47	127.32	122.60
523-132-2801-050	132-2801-050	25	2.526	2.450	176.82	159.14	153.24
523-132-2801-060	132-2801-060	30	3.026	2.950	212.19	190.97	183.90

ROUND'N'FLAT .050" CENTERS ZIP CABLE

Features:

- Cable combines the benefits of shielded round cable and the quickness of mass termination.
- Designed for routing in tight spaces and to terminate to standard IDC connectors.
- 28 AWG, 7/36 Stand tinned copper
- Black PVC jacket with indicators for cable flats
- Highly flexible cable with flats every 20"
- Internal cable is grey with a red edge.
- Temperature rating: 221°F (105°C)
- Voltage rating: 300V



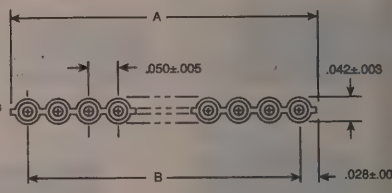
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	No. of Cond.	Total Width A (In.)	Total Span B (In.)	Price Per 100' Spool 1	5	10
523-159-2801-010	843-159-2801-010	10	.500	.450	95.15	88.80	85.63
523-159-2801-016	843-159-2801-016	16	.800	.750	119.92	116.63	113.32
523-159-2801-020	843-159-2801-020	20	1.000	.950	112.62	105.11	101.36
523-159-2801-026	843-159-2801-026	26	1.300	1.250	123.68	115.43	111.31
523-159-2801-034	843-159-2801-034	34	1.700	1.650	145.40	135.70	130.86
523-159-2801-040	843-159-2801-040	40	2.000	1.950	153.06	142.86	137.75
523-159-2801-050	843-159-2801-050	50	2.500	2.450	184.67	172.35	166.20

3C COLOR CODED .050" CENTERS FLAT CABLE

Features:

- Fast low cost mass termination cable
- 28 AWG, 7/36 Stand tinned copper
- Color coded for easy identification
- Terminates to standard IDC connectors
- Current rating: 1A
- Voltage rating: 300V
- Temperature rating: 176°F (80°C)



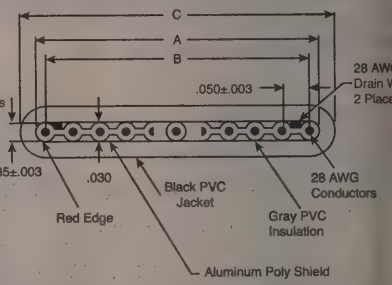
For quantities of 25 and up, call for

MOUSER STOCK NO.	Amphenol Part No.	No. of Cond.	Total Width A (In.)	Total Span B (In.)	Price Per 100' Sp 1	5	
523-135-2801-010	843-135-2801-010	10	.505	.450	33.44	32.32	3
523-135-2801-016	843-135-2801-016	16	.805	.750	48.83	47.20	4
523-135-2801-020	843-135-2801-020	20	1.005	.950	61.04	59.00	5
523-135-2801-026	843-135-2801-026	26	1.305	1.250	74.48	71.99	6
523-135-2801-040	843-135-2801-040	40	2.005	1.950	110.74	106.92	10
523-135-2801-050	843-135-2801-050	50	2.505	2.450	138.43	133.66	12
523-135-2801-064	843-135-2801-064	64	3.205	3.150	177.20	171.09	16

JACKETED AND SHIELDED ZIP .050" FLAT CABLE

Features:

- Rugged flexible black PVC jacket
- EMI/RFI internal shielding
- Terminates to standard IDC connectors
- 28 AWG, 7/36 Stand tinned copper
- Temperature rating: 221°F (105°C)
- Voltage rating: 300V



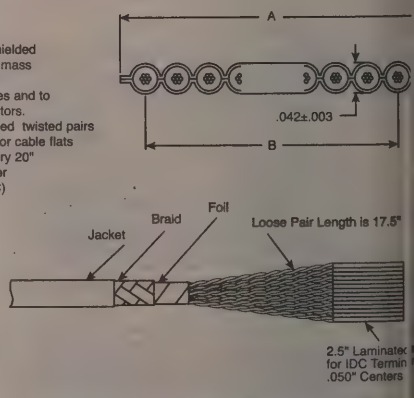
For quantities of 25 and up, call for

MOUSER STOCK NO.	Amphenol Part No.	No. of Cond.	A (In.)	B (In.)	C (In.)	Price Per 100' S 1	5	
523-151-2831-010	843-151-2831-010	10	.500	.450	.560	72.80	70.29	
523-151-2831-016	843-151-2831-016	16	.800	.750	.860	111.20	107.37	1
523-151-2831-020	843-151-2831-020	20	1.000	.950	1.060	139.00	134.20	1
523-151-2831-034	843-151-2831-034	34	1.700	1.650	1.760	253.07	246.14	2
523-151-2831-040	843-151-2831-040	40	2.000	1.950	2.060	277.99	268.41	2
523-151-2831-050	843-151-2831-050	50	2.500	2.450	2.560	347.51	335.52	3

ROUND TWIST'N'FLAT LOOSE PAIR .050" FLAT CABLE

Features:

- Cable combines the benefits of shielded round cable and the quickness of mass termination.
- Designed for routing in tight spaces and to terminate to standard IDC connectors.
- Internal cable has loose color coded twisted pairs
- Black PVC jacket with indicators for cable flats
- Highly flexible cable with flats every 20"
- 28 AWG, 7/36 Stand tinned copper
- Temperature rating: 221°F (105°C)
- Voltage rating: 300V



For quantities of 25 and up, call fo

MOUSER STOCK NO.	Amphenol Part No.	No. of Pairs	Total Width A (In.)	Total Span B (In.)	Price Per 100' S 1	5
523-169-2832-020	169-2832-020	10	1.026	.950	143.11	131.60
523-169-2832-026	169-2832-026	13	1.326	1.250	162.12	149.07
523-169-2832-034	169-2832-034	17	1.726	1.650	181.10	166.53
523-169-2832-040	169-2832-040	20	2.026	1.950	221.41	211.09
523-169-2832-050	169-2832-050	25	2.526	2.450	212.95	205.60

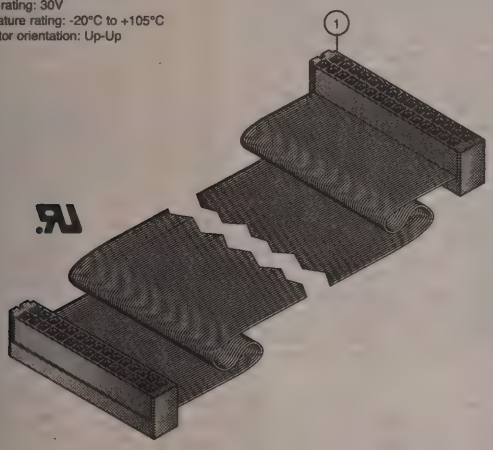
0" MOLDED SOCKET TO SOCKET FLAT RIBBON CABLE ASSEMBLIES

tures:

gged termination
kets mate with standard .100" x .100" headers and plugs
ded-in strain relief
profile sockets with military polarization slots
AWG stranded, PVC flat cable
centerbump
marking

cifications:

age rating: 30V
perature rating: -20°C to +105°C
nector orientation: Up-Up



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Number of Contacts	Length (In.)	Price Each	
				1	5
517-1M-1010-010-6	1M-1010-010-3365-006.0-00-AB-00-0	10	6	2.66	2.40
517-1M-1010-010-12	1M-1010-010-3365-012.0-00-AB-00-0	10	12	2.88	2.60
517-1M-1010-010-18	1M-1010-010-3365-018.0-00-AB-00-0	10	18	3.12	2.82
517-1M-1010-014-6	1M-1010-014-3365-006.0-00-AB-00-0	14	6	2.73	2.47
517-1M-1010-014-12	1M-1010-014-3365-012.0-00-AB-00-0	14	12	3.07	2.77
517-1M-1010-014-18	1M-1010-014-3365-018.0-00-AB-00-0	14	18	3.41	3.08
517-1M-1010-016-6	1M-1010-016-3365-006.0-00-AB-00-0	16	6	2.79	2.51
517-1M-1010-016-12	1M-1010-016-3365-012.0-00-AB-00-0	16	12	3.17	2.86
517-1M-1010-016-18	1M-1010-016-3365-018.0-00-AB-00-0	16	18	3.55	3.21
517-1M-1010-020-6	1M-1010-020-3365-006.0-00-AB-00-0	20	6	3.84	3.47
517-1M-1010-020-12	1M-1010-020-3365-012.0-00-AB-00-0	20	12	4.35	3.93
517-1M-1010-020-18	1M-1010-020-3365-018.0-00-AB-00-0	20	18	4.80	4.34
517-1M-1010-026-6	1M-1010-026-3365-006.0-00-AB-00-0	26	6	4.72	4.26
517-1M-1010-026-12	1M-1010-026-3365-012.0-00-AB-00-0	26	12	5.34	4.82
517-1M-1010-026-18	1M-1010-026-3365-018.0-00-AB-00-0	26	18	5.97	5.39
517-1M-1010-034-6	1M-1010-034-3365-006.0-00-AB-00-0	34	6	6.60	5.96
517-1M-1010-034-12	1M-1010-034-3365-012.0-00-AB-00-0	34	12	7.42	6.70
517-1M-1010-034-18	1M-1010-034-3365-018.0-00-AB-00-0	34	18	8.24	7.44
517-1M-1010-040-6	1M-1010-040-3365-006.0-00-AB-00-0	40	6	6.75	6.09
517-1M-1010-040-12	1M-1010-040-3365-012.0-00-AB-00-0	40	12	7.71	6.96
517-1M-1010-040-18	1M-1010-040-3365-018.0-00-AB-00-0	40	18	8.67	7.83
517-1M-1010-050-6	1M-1010-050-3365-006.0-00-AB-00-0	50	6	6.99	6.31
517-1M-1010-050-12	1M-1010-050-3365-012.0-00-AB-00-0	50	12	8.19	7.40
517-1M-1010-050-18	1M-1010-050-3365-018.0-00-AB-00-0	50	18	9.40	8.48
517-1M-1010-060-6	1M-1010-060-3365-006.0-00-AB-00-0	60	6	7.23	6.53
517-1M-1010-060-12	1M-1010-060-3365-012.0-00-AB-00-0	60	12	8.67	7.83
517-1M-1010-060-18	1M-1010-060-3365-018.0-00-AB-00-0	60	18	10.11	9.13
517-1M-1010-064-6	1M-1010-064-3365-006.0-00-AB-00-0	64	6	7.33	6.61
517-1M-1010-064-12	1M-1010-064-3365-012.0-00-AB-00-0	64	12	8.86	8.00
517-1M-1010-064-18	1M-1010-064-3365-018.0-00-AB-00-0	64	18	10.40	9.39

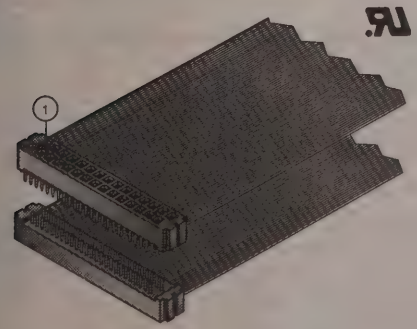
0" MOLDED SOCKET TO PCB PLUG FLAT RIBBON CABLE ASSEMBLIES

ures:

ged termination
kets mate with standard .100" x .100" headers and plugs
ded-in strain relief
profile sockets with military polarization slots
w PCB connector with retention solder tail
AWG stranded, PVC flat cable
centerbump
marking

cifications:

age rating: 30V
perature rating: -20°C to +105°C
nector orientation: Up-Up



For quantities of 10 and up, call for quote.

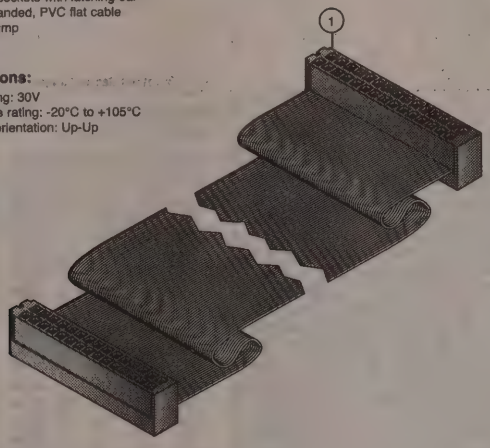
MOUSER STOCK NO.	3M Part No.	Number of Contacts	Length (In.)	Price Each	
				1	5
517-1M-1021-010-6	1M-1021-010-3365-006.0-00-AB-00-0	10	6	2.66	2.40
517-1M-1021-010-12	1M-1021-010-3365-012.0-00-AB-00-0	10	12	2.88	2.60
517-1M-1021-010-18	1M-1021-010-3365-018.0-00-AB-00-0	10	18	3.16	2.86
517-1M-1021-014-6	1M-1021-014-3365-006.0-00-AB-00-0	14	6	2.77	2.50
517-1M-1021-014-12	1M-1021-014-3365-012.0-00-AB-00-0	14	12	3.11	2.81
517-1M-1021-014-18	1M-1021-014-3365-018.0-00-AB-00-0	14	18	3.39	3.06
517-1M-1021-016-6	1M-1021-016-3365-006.0-00-AB-00-0	16	6	2.77	2.50
517-1M-1021-016-12	1M-1021-016-3365-012.0-00-AB-00-0	16	12	3.16	2.86
517-1M-1021-016-18	1M-1021-016-3365-018.0-00-AB-00-0	16	18	3.56	3.21
517-1M-1021-020-6	1M-1021-020-3365-006.0-00-AB-00-0	20	6	4.24	3.83
517-1M-1021-020-12	1M-1021-020-3365-012.0-00-AB-00-0	20	12	4.69	4.23
517-1M-1021-020-18	1M-1021-020-3365-018.0-00-AB-00-0	20	18	5.20	4.69
517-1M-1021-026-6	1M-1021-026-3365-006.0-00-AB-00-0	26	6	4.75	4.28
517-1M-1021-026-12	1M-1021-026-3365-012.0-00-AB-00-0	26	12	5.37	4.85
517-1M-1021-026-18	1M-1021-026-3365-018.0-00-AB-00-0	26	18	5.99	5.41
517-1M-1021-034-6	1M-1021-034-3365-006.0-00-AB-00-0	34	6	6.55	5.92
517-1M-1021-034-12	1M-1021-034-3365-012.0-00-AB-00-0	34	12	7.35	6.63
517-1M-1021-034-18	1M-1021-034-3365-018.0-00-AB-00-0	34	18	8.19	7.40
517-1M-1021-040-6	1M-1021-040-3365-006.0-00-AB-00-0	40	6	6.67	6.02
517-1M-1021-040-12	1M-1021-040-3365-012.0-00-AB-00-0	40	12	7.63	6.89
517-1M-1021-040-18	1M-1021-040-3365-018.0-00-AB-00-0	40	18	8.59	7.75
517-1M-1021-050-6	1M-1021-050-3365-006.0-00-AB-00-0	50	6	8.14	7.34
517-1M-1021-050-12	1M-1021-050-3365-012.0-00-AB-00-0	50	12	9.32	8.42
517-1M-1021-050-18	1M-1021-050-3365-018.0-00-AB-00-0	50	18	10.51	9.49
517-1M-1021-060-6	1M-1021-060-3365-006.0-00-AB-00-0	60	6	8.36	7.55
517-1M-1021-060-12	1M-1021-060-3365-012.0-00-AB-00-0	60	12	9.83	8.87
517-1M-1021-060-18	1M-1021-060-3365-018.0-00-AB-00-0	60	18	11.24	10.15
517-1M-1021-064-6	1M-1021-064-3365-006.0-00-AB-00-0	64	6	8.48	7.65
517-1M-1021-064-12	1M-1021-064-3365-012.0-00-AB-00-0	64	12	10.00	9.03
517-1M-1021-064-18	1M-1021-064-3365-018.0-00-AB-00-0	64	18	11.53	10.40

2MM MOLDED SOCKET TO SOCKET FLAT RIBBON CABLE ASSEMBLIES

For quantities of 10 and up, call for qu

Features:
- Rugged termination
- Sockets mate with standard 2mm x 2mm headers and plugs
- Molded-in strain relief
- Low profile sockets with latching ear
- 28 AWG stranded, PVC flat cable
- No centerbump
- No marking

Specifications:
- Voltage rating: 30V
- Temperature rating: -20°C to +105°C
- Connector orientation: Up-Up



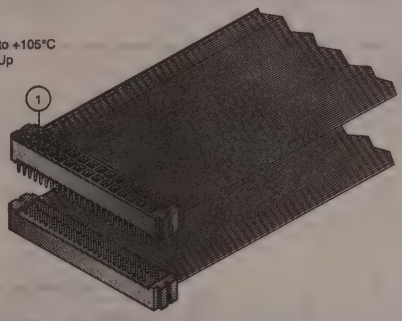
MOUSER STOCK NO.	3M Part No.	Number of Contacts	Length (In.)	Price Each	
				1	5
517-2M-ACAC-010-3	2M-ACAC-010-3625-003.0-00-AB-00-0	10	3	6.05	5.46
517-2M-ACAC-010-6	2M-ACAC-010-3625-006.0-00-AB-00-0	10	6	6.21	5.60
517-2M-ACAC-010-12	2M-ACAC-010-3625-012.0-00-AB-00-0	10	12	6.49	5.85
517-2M-ACAC-016-3	2M-ACAC-016-3625-003.0-00-AB-00-0	16	3	6.15	5.55
517-2M-ACAC-016-6	2M-ACAC-016-3625-006.0-00-AB-00-0	16	6	6.37	5.75
517-2M-ACAC-016-12	2M-ACAC-016-3625-012.0-00-AB-00-0	16	12	6.83	6.16
517-2M-ACAC-020-3	2M-ACAC-020-3625-003.0-00-AB-00-0	20	3	7.33	6.62
517-2M-ACAC-020-6	2M-ACAC-020-3625-006.0-00-AB-00-0	20	6	7.62	6.87
517-2M-ACAC-020-12	2M-ACAC-020-3625-012.0-00-AB-00-0	20	12	8.18	7.38
517-2M-ACAC-024-3	2M-ACAC-024-3625-003.0-00-AB-00-0	24	3	7.39	6.67
517-2M-ACAC-024-6	2M-ACAC-024-3625-006.0-00-AB-00-0	24	6	7.73	6.98
517-2M-ACAC-024-12	2M-ACAC-024-3625-012.0-00-AB-00-0	24	12	8.40	7.58
517-2M-ACAC-026-3	2M-ACAC-026-3625-003.0-00-AB-00-0	26	3	7.42	6.70
517-2M-ACAC-026-6	2M-ACAC-026-3625-006.0-00-AB-00-0	26	6	7.79	7.03
517-2M-ACAC-026-12	2M-ACAC-026-3625-012.0-00-AB-00-0	26	12	8.51	7.69
517-2M-ACAC-030-3	2M-ACAC-030-3625-003.0-00-AB-00-0	30	3	10.58	9.55
517-2M-ACAC-030-6	2M-ACAC-030-3625-006.0-00-AB-00-0	30	6	11.00	9.93
517-2M-ACAC-030-12	2M-ACAC-030-3625-012.0-00-AB-00-0	30	12	11.84	10.69
517-2M-ACAC-040-3	2M-ACAC-040-3625-003.0-00-AB-00-0	40	3	10.72	9.68
517-2M-ACAC-040-6	2M-ACAC-040-3625-006.0-00-AB-00-0	40	6	11.28	10.18
517-2M-ACAC-040-12	2M-ACAC-040-3625-012.0-00-AB-00-0	40	12	12.40	11.19
517-2M-ACAC-044-3	2M-ACAC-044-3625-003.0-00-AB-00-0	44	3	11.62	10.49
517-2M-ACAC-044-6	2M-ACAC-044-3625-006.0-00-AB-00-0	44	6	12.24	11.05
517-2M-ACAC-044-12	2M-ACAC-044-3625-012.0-00-AB-00-0	44	12	13.48	12.16
517-2M-ACAC-050-3	2M-ACAC-050-3625-003.0-00-AB-00-0	50	3	11.70	10.56
517-2M-ACAC-050-6	2M-ACAC-050-3625-006.0-00-AB-00-0	50	6	12.41	11.20
517-2M-ACAC-050-12	2M-ACAC-050-3625-012.0-00-AB-00-0	50	12	13.79	12.44

2MM MOLDED SOCKET TO PCB PLUG FLAT RIBBON CABLE ASSEMBLIES

For quantities of 10 and up, call for qu

Features:
- Rugged termination
- Sockets mate with standard 2mm x 2mm headers and plugs
- Molded-in strain relief
- Low profile sockets with latching ear
- 2-row PCB connector with SnPb plating, straight solder tail
- 28 AWG stranded, PVC flat cable
- No centerbump
- No marking

Specifications:
- Voltage rating: 30V
- Temperature rating: -20°C to +105°C
- Connector orientation: Up-Up



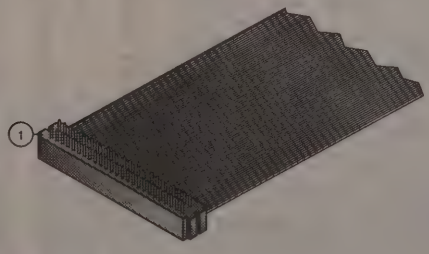
MOUSER STOCK NO.	3M Part No.	Number of Contacts	Length (In.)	Price Each	
				1	5
517-2M-ACBC-010-3	2M-ACBC-010-3625-003.0-00-AB-00-0	10	3	4.09	3.6
517-2M-ACBC-010-6	2M-ACBC-010-3625-006.0-00-AB-00-0	10	6	4.23	3.8
517-2M-ACBC-010-12	2M-ACBC-010-3625-012.0-00-AB-00-0	10	12	4.51	4.0
517-2M-ACBC-016-3	2M-ACBC-016-3625-003.0-00-AB-00-0	16	3	4.18	3.7
517-2M-ACBC-016-6	2M-ACBC-016-3625-006.0-00-AB-00-0	16	6	4.40	3.9
517-2M-ACBC-016-12	2M-ACBC-016-3625-012.0-00-AB-00-0	16	12	4.85	4.3
517-2M-ACBC-020-3	2M-ACBC-020-3625-003.0-00-AB-00-0	20	3	5.50	4.9
517-2M-ACBC-020-6	2M-ACBC-020-3625-006.0-00-AB-00-0	20	6	5.78	5.2
517-2M-ACBC-020-12	2M-ACBC-020-3625-012.0-00-AB-00-0	20	12	6.33	5.7
517-2M-ACBC-026-3	2M-ACBC-026-3625-003.0-00-AB-00-0	26	3	5.59	5.0
517-2M-ACBC-026-6	2M-ACBC-026-3625-006.0-00-AB-00-0	26	6	5.95	5.3
517-2M-ACBC-026-12	2M-ACBC-026-3625-012.0-00-AB-00-0	26	12	6.67	6.0
517-2M-ACBC-030-3	2M-ACBC-030-3625-003.0-00-AB-00-0	30	3	7.83	7.0
517-2M-ACBC-030-6	2M-ACBC-030-3625-006.0-00-AB-00-0	30	6	8.25	7.4
517-2M-ACBC-030-12	2M-ACBC-030-3625-012.0-00-AB-00-0	30	12	9.09	8.2
517-2M-ACBC-040-3	2M-ACBC-040-3625-003.0-00-AB-00-0	40	3	7.97	7.2
517-2M-ACBC-040-6	2M-ACBC-040-3625-006.0-00-AB-00-0	40	6	8.53	7.7
517-2M-ACBC-040-12	2M-ACBC-040-3625-012.0-00-AB-00-0	40	12	9.65	8.7
517-2M-ACBC-044-3	2M-ACBC-044-3625-003.0-00-AB-00-0	44	3	9.09	8.2
517-2M-ACBC-044-6	2M-ACBC-044-3625-006.0-00-AB-00-0	44	6	9.70	8.7
517-2M-ACBC-044-12	2M-ACBC-044-3625-012.0-00-AB-00-0	44	12	10.93	9.8
517-2M-ACBC-050-3	2M-ACBC-050-3625-003.0-00-AB-00-0	50	3	9.17	8.2
517-2M-ACBC-050-6	2M-ACBC-050-3625-006.0-00-AB-00-0	50	6	9.87	8.9
517-2M-ACBC-050-12	2M-ACBC-050-3625-012.0-00-AB-00-0	50	12	11.27	10.1

2MM MOLDED PCB PLUG TO PCB PLUG FLAT RIBBON CABLE ASSEMBLIES

For quantities of 10 and up, call for qu

Features:
- Rugged termination
- Sockets mate with standard 2mm x 2mm headers and plugs
- Molded-in strain relief
- 2-row PCB connector with SnPb plating, straight solder tail
- 28 AWG stranded, PVC flat cable
- No centerbump
- No marking

Specifications:
- Voltage rating: 30V
- Temperature rating: -20°C to +105°C
- Connector orientation: Up-Up



MOUSER STOCK NO.	3M Part No.	Number of Contacts	Length (In.)	Price Each	
				1	5
517-2M-BCBC-010-3	2M-BCBC-010-3625-003.0-00-AB-00-0	10	3	2.15	1.9
517-2M-BCBC-010-6	2M-BCBC-010-3625-006.0-00-AB-00-0	10	6	2.25	2.0
517-2M-BCBC-010-12	2M-BCBC-010-3625-012.0-00-AB-00-0	10	12	2.54	2.2
517-2M-BCBC-016-3	2M-BCBC-016-3625-003.0-00-AB-00-0	16	3	2.20	1.9
517-2M-BCBC-016-6	2M-BCBC-016-3625-006.0-00-AB-00-0	16	6	2.42	2.1
517-2M-BCBC-016-12	2M-BCBC-016-3625-012.0-00-AB-00-0	16	12	2.87	2.5
517-2M-BCBC-020-3	2M-BCBC-020-3625-003.0-00-AB-00-0	20	3	3.67	3.3
517-2M-BCBC-020-6	2M-BCBC-020-3625-006.0-00-AB-00-0	20	6	3.89	3.5
517-2M-BCBC-020-12	2M-BCBC-020-3625-012.0-00-AB-00-0	20	12	4.51	4.0
517-2M-BCBC-026-3	2M-BCBC-026-3625-003.0-00-AB-00-0	26	3	3.75	3.3
517-2M-BCBC-026-6	2M-BCBC-026-3625-006.0-00-AB-00-0	26	6	4.11	3.7
517-2M-BCBC-026-12	2M-BCBC-026-3625-012.0-00-AB-00-0	26	12	4.84	4.3
517-2M-BCBC-030-3	2M-BCBC-030-3625-003.0-00-AB-00-0	30	3	5.08	4.5
517-2M-BCBC-030-6	2M-BCBC-030-3625-006.0-00-AB-00-0	30	6	5.50	4.9
517-2M-BCBC-030-12	2M-BCBC-030-3625-012.0-00-AB-00-0	30	12	6.34	5.7
517-2M-BCBC-040-3	2M-BCBC-040-3625-003.0-00-AB-00-0	40	3	5.21	4.7
517-2M-BCBC-040-6	2M-BCBC-040-3625-006.0-00-AB-00-0	40	6	5.78	5.2
517-2M-BCBC-040-12	2M-BCBC-040-3625-012.0-00-AB-00-0	40	12	6.90	6.2
517-2M-BCBC-044-3	2M-BCBC-044-3625-003.0-00-AB-00-0	44	3	6.54	5.8
517-2M-BCBC-044-6	2M-BCBC-044-3625-006.0-00-AB-00-0	44	6	7.16	6.4
517-2M-BCBC-044-12	2M-BCBC-044-3625-012.0-00-AB-00-0	44	12	8.40	7.5
517-2M-BCBC-050-3	2M-BCBC-050-3625-003.0-00-AB-00-0	50	3	6.67	6.0
517-2M-BCBC-050-6	2M-BCBC-050-3625-006.0-00-AB-00-0	50	6	7.33	6.6
517-2M-BCBC-050-12	2M-BCBC-050-3625-012.0-00-AB-00-0	50	12	8.73	7.8

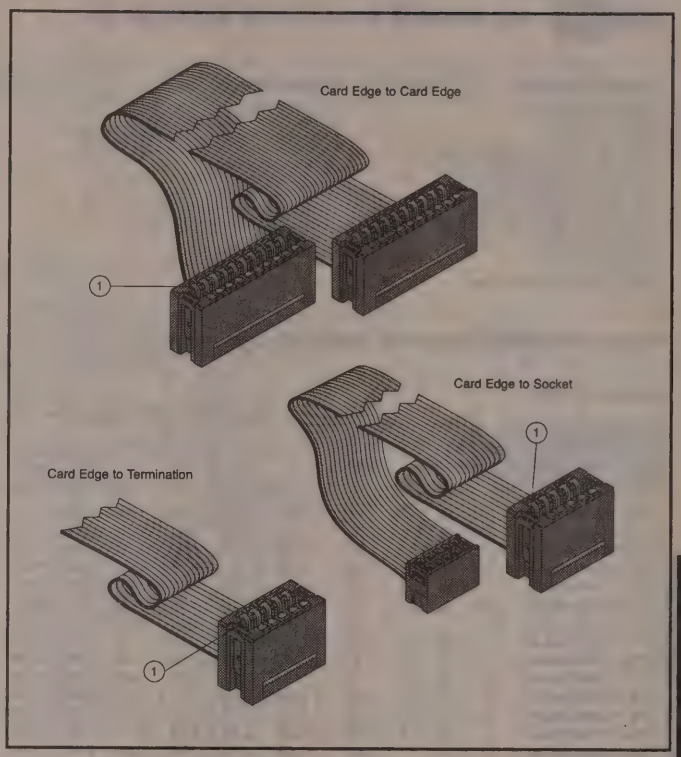
KOBICONN IDC Flat Cable Assemblies

KOBICONN

IDC SOCKET FLAT CABLE ASSEMBLIES

ket Specifications:
- ntacts: Phosphor bronze
- ntact finish: Gold plated nickel
- ulator: PBT & glass fiber reinforced (UL94V-O)
- cable wire size: .05 spacing #30 (solid)
- rent rating: 1A DC
- ntact resistance: 30m @ 6VDC, 0.3A
- ulation reisistance: 1000M @ 500VDC
- lectric breakdown: 500VAC for 1 minute
- sockets come with polarizing key
- ck connectors
- cables are 100% tested

For all your custom flat cable needs call for a quote.



d Edge to Socket

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Length Inches	Price Per Each					
			1	10	100	250	500	1000
-3010006G	10	6	2.47	1.87	1.43	1.19	1.11	1.03
-30100018G	10	18	2.60	1.97	1.50	1.26	1.17	1.09
-30100036G	10	36	2.80	2.12	1.62	1.35	1.26	1.17
-3020006G	20	6	3.63	2.75	2.10	1.75	1.64	1.52
-30200018G	20	18	3.90	2.95	2.26	1.88	1.76	1.63
-30200036G	20	36	4.30	3.26	2.50	2.08	1.94	1.80
-3026006G	26	6	4.37	3.31	2.54	2.11	1.97	1.83
-30260018G	26	18	4.72	3.58	2.74	2.28	2.13	1.98
-30260036G	26	36	5.24	3.97	3.04	2.54	2.37	2.19
-3034006G	34	6	5.42	4.10	3.14	2.62	2.44	2.26
-30340018G	34	18	5.87	4.45	3.41	2.84	2.65	2.46
-30340036G	34	36	6.55	4.97	3.80	3.17	2.96	2.74
-3040006G	40	6	6.19	4.69	3.59	2.99	2.79	2.59
-30400018G	40	18	6.73	5.10	3.90	3.25	3.03	2.82
-30400036G	40	36	7.54	5.70	4.37	3.64	3.40	3.15
-3050006G	50	6	7.17	5.42	4.16	3.46	3.23	3.00
-30500018G	50	18	7.83	5.94	4.54	3.78	3.54	3.28
-30500036G	50	36	8.84	6.70	5.13	4.27	3.98	3.70

d Edge to Card Edge

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Length Inches	Price Per Each					
			1	10	100	250	500	1000
-3110006G	10	6	3.35	2.54	1.94	1.62	1.51	1.40
-31100018G	10	18	3.49	2.64	2.02	1.68	1.57	1.46
-31100036G	10	36	3.69	2.79	2.14	1.78	1.66	1.54
-3120006G	20	6	4.52	3.42	2.62	2.18	2.04	1.89
-31200018G	20	18	4.78	3.62	2.78	2.31	2.16	2.00
-31200036G	20	36	5.19	3.93	2.98	2.50	2.34	2.17
-3126006G	26	6	5.45	4.12	3.16	2.63	2.46	2.28
-31260018G	26	18	5.79	4.39	3.36	2.80	2.62	2.42
-31260036G	26	36	6.32	4.78	3.66	3.06	2.85	2.65
-3134006G	34	6	6.76	5.12	3.92	3.27	3.05	2.83
-31340018G	34	18	7.22	5.47	4.18	3.49	3.26	3.02
-31340036G	34	36	7.90	5.98	4.58	3.82	3.57	3.31
-3140006G	40	6	7.90	5.98	4.58	3.82	3.56	3.31
-31400018G	40	18	8.43	6.39	4.90	4.08	3.81	3.54
-31400036G	40	36	9.24	7.00	5.36	4.46	4.17	3.87
-3150006G	50	6	8.93	6.77	5.18	4.32	4.03	3.74
-31500018G	50	18	9.61	7.28	5.58	4.64	4.34	4.02
-31500036G	50	36	10.61	8.04	6.16	5.13	4.78	4.45

Card Edge to Termination

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Length Inches	Price Per Each					
			1	10	100	250	500	1000
175-3210006G	10	6	1.92	1.74	1.31	1.20	1.03	.94
175-32100018G	10	18	2.27	1.91	1.50	1.47	1.31	1.18
175-32100036G	10	36	2.62	2.05	1.85	1.52	1.42	1.30
175-3220006G	20	6	2.01	1.70	1.59	1.22	1.10	.97
175-32200018G	20	18	2.46	2.07	1.63	1.60	1.43	1.27
175-32200036G	20	36	2.99	2.26	2.14	1.76	1.66	1.53
175-3226006G	26	6	2.35	1.96	1.63	1.36	1.22	1.10
175-32260018G	26	18	2.86	2.38	1.99	1.66	1.49	1.34
175-32260036G	26	36	3.69	2.79	2.14	1.78	1.66	1.54
175-3234006G	34	6	3.36	2.58	1.99	1.53	1.38	1.24
175-32340018G	34	18	4.16	3.19	2.46	1.89	1.70	1.53
175-32340036G	34	36	4.64	3.51	2.69	2.24	2.09	1.94
175-3240006G	40	6	4.02	3.09	2.38	1.83	1.65	1.48
175-32400018G	40	18	4.91	3.78	2.91	2.23	2.01	1.81
175-32400036G	40	36	5.42	4.11	3.14	2.62	2.45	2.27
175-3250006G	50	6	4.71	3.62	2.78	2.14	1.93	1.73
175-32500018G	50	18	5.74	4.42	3.40	2.61	2.35	2.12
175-32500036G	50	36	6.31	4.78	3.66	3.05	2.85	2.64

.05" GRAY FLAT IDC RIBBON CABLE

ifications:
- lation: Polyvinyl chloride (PVC)
- WG 7x36 tinned stranded copper wire
- mability Rating: USA: VW-1
- ter Spacing: .050"

NO. E162690

MOUSER STOCK NO.	No. of Cond.	Price Per 100' Reel			
		1	5	10	25
0902	9	10.57	9.61	8.74	6.99
1010	10	11.16	10.60	9.99	7.58
1402	14	15.64	14.86	14.07	10.62
1502	15	15.99	15.24	14.48	11.14
1602	16	16.51	15.69	14.86	11.75
2002	20	17.29	16.42	15.56	14.68
2502	25	25.96	24.66	23.36	18.75
2602	26	26.66	24.99	23.96	19.25
3402	34	30.71	30.25	27.50	24.99
4002	40	38.04	36.14	34.24	29.43
5002	50	56.89	52.99	48.68	44.25
6002	60	59.90	54.45	53.63	49.20
6402	64	63.93	58.38	57.40	56.40

KOBICONN .05" COLOR CODED FLAT CABLE

Specifications:
- Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White, Black
- Insulation: Polyvinyl Chloride (PVC)
- Voltage Rating: 300V
- Temperature Rating: -20C to +105C
- 28AWG Stranded & Tinned Copper Wire
- Flammability Rating: USA: VW-1
- Center Spacing: .050"

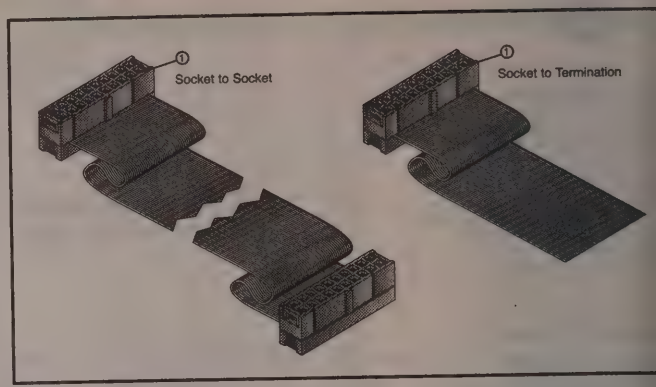
MOUSER STOCK NO.	No. of Cond.	Price Per 100' Reel			
		1	5	10	25
172-0902C	9	23.13	20.99	19.11	17.38
172-1010C	10	25.72	23.38	21.25	19.32
172-1402C	14	26.99	24.29	21.86	19.67
172-1502C	15	34.98	31.48	28.33	25.50
172-1602C	16	37.08	33.37	29.99	26.99
172-2002C	20	46.35	41.72	37.55	33.79
172-2502C	25	57.96	52.16	46.95	42.25
172-2602C	26	60.27	54.24	48.82	43.94
172-4002C	40	92.70	83.43	75.08	67.58
172-5002C	50	115.89	104.30	93.87	84.48
172-6402C	64	148.35	133.52	120.16	108.15

KOBICONN IDC Flat Cable Assemblies

KOBICONN IDC SOCKET FLAT CABLE ASSEMBLIES

Cable Specifications:
- Rate temperature: 105°C
- Rate voltage: 300V
- Flame test: VW-1
- Conductor: Stranded 28AWG 7 conductor
- Insulation: Polyvinyl chloride (PVC) gray
- Insulation thickness average: 9mm
- Min. insulation thickness: 7mm
- Dielectric strength: 2KV in 1 min.
- Conductor resistance: max. 237Ω/km
- Insulation reisistance: min. 1GΩ/m
- inductance: 1.45μH/M
- impedance: 100Ω
- Propagation delay time: 4.2n s/m

Socket Specifications:
- Contacts: Phosphor bronze
- Contact finish: Gold plated nickel
- Insulator: PBT & glass fiber reinforced (UL94V-O)
- Flat cable wire size: .05" spacing #30 (solid)
- Current rating: 1A DC
- Contact resistance: 30mΩ @ 6VDC, 0.3A
- Insulation reisistance: 1000MΩ @ 500VDC
- Dielectric breakdown: 500VAC for 1 minute
- All sockets come with polarizing key
- Black connectors
- All cables are 100% tested



For all your custom flat cable needs call for a quote.

Socket to Socket

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Length Inches	Price Per Each					
			1	10	100	250	500	1000
175-10100K06GA1	10	6	1.80	1.40	1.10	.95	.85	.80
175-10100K18GA1	10	18	2.00	1.60	1.20	1.00	.95	.85
175-10100K36GA1	10	36	2.35	1.80	1.35	1.10	1.05	1.00
175-10140K06GA1	14	6	2.75	2.10	1.55	1.30	1.20	1.10
175-10140K18GA1	14	18	2.95	2.30	1.75	1.40	1.30	1.25
175-10140K36GA1	14	36	3.30	2.55	1.97	1.60	1.50	1.40
175-10160K06GA1	16	6	3.20	2.40	1.85	1.50	1.40	1.30
175-10160K18GA1	16	18	3.45	2.60	2.00	1.60	1.55	1.45
175-10160K36GA1	16	36	3.90	2.90	2.20	1.75	1.70	1.60
175-10200K06GA1	20	6	3.40	2.60	2.00	1.65	1.55	1.45
175-10200K18GA1	20	18	3.75	2.85	2.15	1.80	1.70	1.60
175-10200K36GA1	20	36	4.25	3.25	2.50	2.05	1.90	1.80
175-10240K06GA1	24	6	3.85	3.00	2.20	1.85	1.65	1.55
175-10240K18GA1	24	18	4.00	3.20	2.35	2.10	1.95	1.80
175-10240K36GA1	24	36	4.25	3.75	2.75	2.35	2.15	2.10
175-10260K06GA1	26	6	4.10	3.10	2.40	2.00	1.85	1.75
175-10260K18GA1	26	18	4.55	3.45	2.65	2.20	2.05	1.90
175-10260K36GA1	26	36	5.00	3.95	3.00	2.50	2.35	2.15
175-10340K06GA1	34	6	5.00	3.85	2.95	2.45	2.30	2.10
175-10340K18GA1	34	18	5.65	4.30	3.30	2.75	2.55	2.35
175-10340K36GA1	34	36	6.50	4.95	3.75	3.15	2.95	2.70
175-10400K06GA1	40	6	5.05	3.85	3.25	2.70	2.50	2.35
175-10400K18GA1	40	18	5.65	4.30	3.65	3.00	2.85	2.60
175-10400K36GA1	40	36	6.50	4.95	4.20	3.50	3.30	3.05
175-10500K06GA1	50	6	6.75	5.10	3.90	3.25	3.05	2.80
175-10500K18GA1	50	18	7.55	5.75	4.40	3.65	3.40	3.20
175-10500K36GA1	50	36	8.85	6.70	5.10	4.25	4.00	3.70
175-10600K06GA1	60	6	8.20	6.20	4.75	4.00	3.70	3.45
175-10600K18GA1	60	18	9.20	7.00	5.35	4.45	4.15	3.85
175-10600K36GA1	60	36	10.70	8.10	6.20	5.15	4.85	4.50

Socket to Termination

For quantities of 2000 and up, call for qu

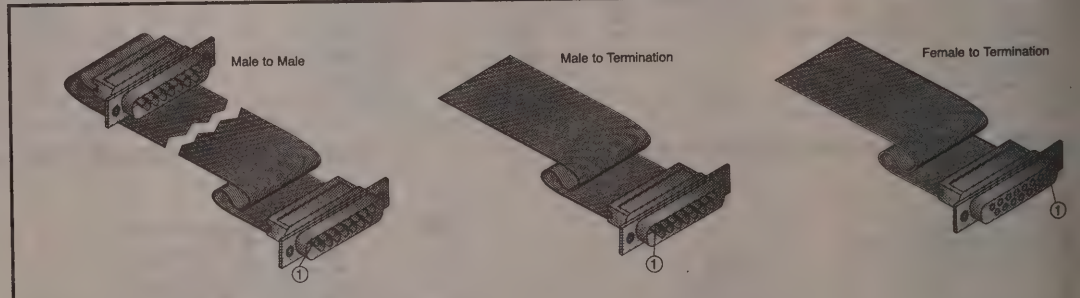
MOUSER STOCK NO.	No. of Contacts	Length Inches	Price Per Each					
			1	10	100	250	500	10
175-12100K06GA1	10	6	1.30	.95	.70	.65	.55	.5
175-12100K18GA1	10	18	1.35	1.00	.75	.70	.60	.5
175-12100K36GA1	10	36	1.40	1.05	.80	.75	.65	.6
175-12140K06GA1	14	6	1.95	1.40	1.20	.90	.80	.7
175-12140K18GA1	14	18	2.00	1.45	1.25	.95	.85	.7
175-12140K36GA1	14	36	2.05	1.55	1.30	1.00	.91	.8
175-12160K06GA1	16	6	2.20	1.60	1.15	1.00	.95	.8
175-12160K18GA1	16	18	2.25	1.70	1.25	1.10	1.00	.8
175-12160K36GA1	16	36	2.30	1.80	1.36	1.15	1.10	.9
175-12200K06GA1	20	6	2.50	1.85	1.30	1.10	1.05	1.0
175-12200K18GA1	20	18	2.60	1.90	1.40	1.20	1.10	1.0
175-12200K36GA1	20	36	2.65	2.00	1.50	1.25	1.20	1.1
175-12240K06GA1	24	6	2.90	2.25	1.75	1.45	1.35	1.2
175-12240K18GA1	24	18	2.95	2.30	1.80	1.50	1.40	1.2
175-12240K36GA1	24	36	3.00	2.35	1.85	1.55	1.45	1.3
175-12260K06GA1	26	6	3.15	2.35	1.80	1.50	1.40	1.3
175-12260K18GA1	26	18	3.20	2.45	1.85	1.55	1.45	1.3
175-12260K36GA1	26	36	3.25	2.50	1.90	1.60	1.50	1.4
175-12340K06GA1	34	6	4.00	3.00	2.30	1.90	1.70	1.5
175-12340K18GA1	34	18	4.05	3.05	2.35	1.95	1.75	1.5
175-12340K36GA1	34	36	4.10	3.10	2.40	2.00	1.80	1.6
175-12400K06GA1	40	6	4.50	3.40	2.60	2.15	2.00	1.8
175-12400K18GA1	40	18	4.55	3.45	2.65	2.20	2.05	1.8
175-12400K36GA1	40	36	4.60	3.50	2.70	2.25	2.10	1.9
175-12500K06GA1	50	6	5.50	4.20	3.20	2.65	2.45	2.2
175-12500K18GA1	50	18	5.60	4.25	3.25	2.70	2.50	2.3
175-12500K36GA1	50	36	5.65	4.30	3.30	2.75	2.55	2.3
175-12600K06GA1	60	6	6.75	5.10	3.30	3.20	3.00	2.8
175-12600K18GA1	60	18	6.80	5.15	3.35	3.25	3.05	2.8
175-12600K36GA1	60	36	6.85	5.20	3.40	3.30	3.10	2.9

KOBICONN D-SUB CABLE ASSEMBLIES

For all your custom flat cable needs call for a qu

Material Specifications:
- Shell: Steel zinc plated
- Socket contact: Phosphor bronze, Gold plated over nickel 3 micro/inch
- Insulator: PBT and 30% glass fiber reinforced UL-94-VO
- All cables are 100% tested

Electrical Specifications:
- Current rating: 1A
- Dielectric strength: 1000V for 1 minute
- Insulator resistance: 1000MΩ min. @ 500VDC
- Temperature: -55°C to +105°C



Male to Male

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Length Feet	Price Per Each		
			1	10	100
175-196GA1	9	6	6.75	5.10	3.90
175-1910GA1	9	10	7.45	5.65	4.30
175-19156GA1	15	6	9.00	6.85	5.25
175-191510GA1	15	10	10.15	7.70	5.90
175-19256GA1	25	6	12.70	9.60	7.35
175-192510GA1	25	10	14.40	10.95	8.35
175-19376GA1	37	6	18.80	14.30	10.95
175-193710GA1	37	10	21.50	16.30	12.50

Male to Termination

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Length Feet	Price Per Each		
			1	10	100
175-1696GA1	9	6	3.95	2.95	2.25
175-16910GA1	9	10	4.60	3.50	2.65
175-16156GA1	15	6	5.34	4.50	3.10
175-161510GA1	15	10	6.40	4.85	3.70
175-16256GA1	25	6	7.65	5.80	4.40
175-162510GA1	25	10	9.40	7.10	5.40
175-16376GA1	37	6	11.45	8.60	6.65
175-163710GA1	37	10	14.10	10.70	8.20

Female to Termination

For quantities of 250 and up, call for

MOUSER STOCK NO.	No. of Contacts	Length Feet	Price Per E	
			1	10
175-1796GA1	9	6	4.33	3.25
175-17910GA1	9	10	5.05	3.80
175-17156GA1	15	6	5.85	4.50
175-171510GA1	15	10	6.95	5.25
175-17256GA1	25	6	8.40	6.35
175-172510GA1	25	10	10.15	7.70
175-17376GA1	37	6	12.60	9.55
175-173710GA1	37	10	15.25	11.55

AMP FLEXSTRIP® Jumpers
(NOMEX Insulation)

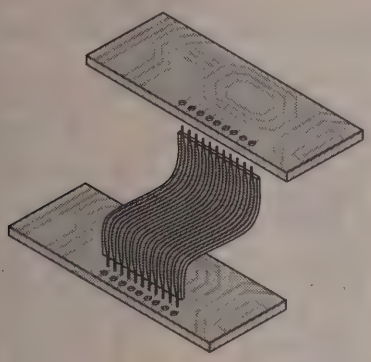
tyco Electronics

P NOMEX INSULATION

TRIP® Jumpers are multi-conductor board-to-board interconnect devices, preplated and ready to use without wire stripping, cutting to length, or solder preparation. They provide a convenient, reliable alternative to conventional point wiring for high density, high-vibration PC board interconnect application. They have a round copper conductor that is rolled flat for high flex life, tin-plated for easy soldering. This round-to-flat design provides vibration-proof y and long life. They are built with exposed end pins, so there is no need to strip insulation from the conductors before making a connection.

erature Rating: 105°C
nt Rating: 3 Amps
ge Rating: 300 VAC
rrangement: Straight end pins
ngth: .125 ± .030

antages include its relatively low cost and its resistance to heat, which enables it to easily withstand all n soldering techniques. However, Nomex can be damaged by environments that include high humidity or he jumper will experience high amounts of abrasion.



CONDUCTOR PITCH: .100"

1 Inch Length

• Equivalent AWG: 24

MOUSER STOCK NO.	AMP Part No.	Conductors	Price Per Each				
			1	10	100	250	500
571-FSN-21A-2	8-1437139-3	2	.29	.27	.23	.22	CALL FOR QUOTE
571-FSN-21A-3	9-1437139-7	3	.34	.32	.28	.25	
571-FSN-21A-4	1437140-9	4	.39	.37	.32	.29	
571-FSN-21A-5	1-1437140-1	5	.44	.42	.36	.33	
571-FSN-21A-6	1-1437140-4	6	.50	.47	.40	.37	
571-FSN-21A-7	1-1437140-6	7	.54	.52	.44	.41	
571-FSN-21A-8	1-1437140-9	8	.59	.57	.48	.44	
571-FSN-21A-9	2-1437140-1	9	.64	.61	.52	.48	
571-FSN-21A-10	6-1437139-7	10	.69	.66	.56	.52	
571-FSN-21A-11	6-1437139-9	11	.74	.71	.60	.56	
571-FSN-21A-12	7-1437139-1	12	.82	.74	.70	.66	
571-FSN-21A-13	7-1437139-3	13	.85	.81	.69	.64	
571-FSN-21A-14	7-1437139-4	14	.90	.86	.73	.67	
571-FSN-21A-15	7-1437139-7	15	.95	.91	.77	.71	
571-FSN-21A-16	7-1437139-9	16	1.00	.95	.81	.75	
571-FSN-21A-17	8-1437139-0	17	1.04	.94	.88	.83	
571-FSN-21A-18	8-1437139-1	18	1.11	1.05	.90	.83	
571-FSN-21A-19	8-1437139-2	19	1.06	.95	.90	.85	
571-FSN-21A-20	8-1437139-4	20	1.20	1.15	.98	.90	

IDUCTOR PITCH: .050"

h Length

• Equivalent AWG: 28

MOUSER TOCK NO.	AMP Part No.	Conductors	Price Per Each				
			1	10	100	250	500
SN-11A-2	1-1437130-8	2	.26	.25	.21	.19	CALL FOR QUOTE
SN-11A-3	2-1437130-8	3	.29	.28	.24	.22	
SN-11A-4	3-1437130-1	4	.33	.32	.27	.25	
SN-11A-5	3-1437130-3	5	.37	.35	.30	.28	
SN-11A-6	3-1437130-4	6	.40	.39	.33	.30	
SN-11A-7	3-1437130-5	7	.44	.42	.36	.33	
SN-11A-8	3-1437130-6	8	.48	.46	.39	.36	
SN-11A-9	3-1437130-7	9	.52	.47	.44	.42	
SN-11A-10	1437130-4	10	.55	.52	.45	.41	
SN-11A-11	1437130-6	11	.62	.56	.53	.50	
SN-11A-12	1437130-8	12	.62	.59	.51	.47	
SN-11A-13	1-1437130-0	13	.66	.63	.54	.49	
SN-11A-14	1-1437130-1	14	.70	.66	.57	.52	
SN-11A-15	1-1437130-3	15	.73	.70	.60	.55	
SN-11A-16	1-1437130-4	16	.77	.73	.62	.58	
SN-11A-17	1-1437130-5	17	.80	.77	.66	.60	
SN-11A-18	1-1437130-6	18	.84	.80	.68	.63	
SN-11A-19	1-1437130-7	19	.88	.84	.72	.66	
SN-11A-20	1-1437130-9	20	.91	.87	.74	.68	

2 Inch Length

• Equivalent AWG: 24

MOUSER STOCK NO.	AMP Part No.	Conductors	Price Per Each				
			1	10	100	250	500
571-FSN-22A-2	4-1437142-0	2	.40	.38	.33	.31	CALL FOR QUOTE
571-FSN-22A-3	5-1437142-2	3	.56	.53	.46	.43	
571-FSN-22A-4	5-1437142-9	4	.51	.48	.41	.39	
571-FSN-22A-5	6-1437142-2	5	.59	.55	.47	.45	
571-FSN-22A-6	6-1437142-7	6	.64	.62	.53	.51	
571-FSN-22A-7	6-1437142-9	7	.72	.69	.59	.56	
571-FSN-22A-8	7-1437142-2	8	.77	.73	.62	.59	
571-FSN-22A-9	7-1437142-5	9	.84	.80	.68	.65	
571-FSN-22A-10	2-1437142-8	10	.91	.87	.74	.71	
571-FSN-22A-11	3-1437142-0	11	.98	.94	.80	.76	
571-FSN-22A-12	3-1437142-2	12	1.05	1.01	.86	.82	
571-FSN-22A-13	3-1437142-3	13	1.13	1.08	.92	.88	
571-FSN-22A-14	3-1437142-4	14	1.20	1.15	.98	.93	
571-FSN-22A-15	3-1437142-5	15	1.27	1.22	1.03	.99	
571-FSN-22A-16	3-1437142-6	16	1.34	1.28	1.09	1.05	
571-FSN-22A-17	3-1437142-7	17	1.42	1.35	1.15	1.10	
571-FSN-22A-18	3-1437142-8	18	1.49	1.42	1.22	1.16	
571-FSN-22A-19	3-1437142-9	19	1.56	1.49	1.27	1.22	
571-FSN-22A-20	4-1437142-1	20	1.63	1.56	1.33	1.27	

n Length

• Equivalent AWG: 28

MOUSER TOCK NO.	AMP Part No.	Conductors	Price Per Each				
			1	10	100	250	500
SN-12A-2	5-1437131-8	2	.29	.27	.23	.21	CALL FOR QUOTE
SN-12A-3	6-1437131-7	3	.34	.32	.27	.25	
SN-12A-4	2-1437131-8	4	.39	.37	.32	.29	
SN-12A-5	7-1437131-1	5	.44	.42	.36	.33	
SN-12A-6	7-1437131-3	6	.49	.47	.40	.37	
SN-12A-7	7-1437131-4	7	.54	.52	.44	.40	
SN-12A-8	7-1437131-5	8	.59	.56	.48	.44	
SN-12A-9	- - - - - - - - -	9	.64	.61	.52	.48	
SN-12A-10	4-1437131-7	10	.69	.66	.56	.52	
SN-12A-11	4-1437131-9	11	.74	.71	.60	.56	
SN-12A-12	5-1437131-0	12	.79	.76	.64	.59	
SN-12A-13	5-1437131-1	13	.84	.80	.69	.63	
SN-12A-14	5-1437131-2	14	.89	.85	.73	.67	
SN-12A-15	5-1437131-3	15	.94	.91	.77	.71	
SN-12A-16	5-1437131-5	16	.99	.95	.81	.74	
SN-12A-17	5-1437131-6	17	1.06	.95	.90	.85	
SN-12A-18	5-1437131-7	18	1.09	1.05	.89	.82	
SN-12A-19	- - - - - - - - -	19	1.14	1.10	.93	.86	
SN-12A-20	5-1437131-9	20	1.20	1.14	.97	.90	

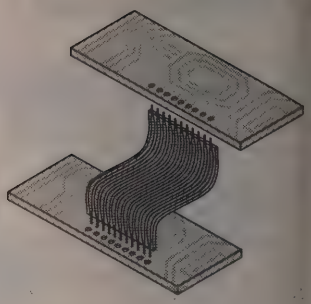
4 Inch Length

• Equivalent AWG: 24

MOUSER STOCK NO.	AMP Part No.	Conductors	Price Per Each				
			1	10	100	250	500
571-FSN-24A-2	6-1437145-4	2	.42	.40	.34	.32	CALL FOR QUOTE
571-FSN-24A-3	1447188-2	3	.53	.51	.43	.40	
571-FSN-24A-4	8-1437145-1	4	.65	.62	.53	.49	
571-FSN-24A-5	8-1437145-4	5	.77	.73	.62	.57	
571-FSN-24A-6	8-1437145-5	6	.88	.84	.72	.66	
571-FSN-24A-7	8-1437145-6	7	1.00	.95	.81	.75	
571-FSN-24A-8	8-1437145-8	8	1.11	1.07	.91	.84	
571-FSN-24A-9	8-1437145-9	9	1.23	1.18	1.00	.92	
571-FSN-24A-10	4-1437145-8	10	1.35	1.29	1.10	1.01	
571-FSN-24A-11	5-1437145-0	11	1.46	1.40	1.19	1.10	
571-FSN-24A-12	5-1437145-1	12	1.58	1.51	1.29	1.18	
571-FSN-24A-13	5-1437145-2	13	1.70	1.62	1.38	1.27	
571-FSN-24A-14	5-1437145-4	14	1.81	1.73	1.47	1.36	
571-FSN-24A-15	5-1437145-6	15	1.93	1.84	1.57	1.45	
571-FSN-24A-16	5-1437145-7	16	2.04	1.95	1.66	1.53	
571-FSN-24A-17	5-1437145-9	17	2.16	2.06	1.76	1.62	
571-FSN-24A-18	6-1437145-1	18	2.28	2.18	1.85	1.71	
571-FSN-24A-19	6-1437145-3	19	2.39	2.29	1.95	1.79	
571-FSN-24A-20	6-1437145-5	20	2.51	2.40	2.04	1.88	

AMP FLEXSTRIP® Jumpers
(POLYESTER & TEFLON Insulation)

tyco Electronics



FLEXSTRIP® Jumpers are multi-conductor board-to-board interconnect devices, preplated and ready to use without wire stripping, cutting to length, or solder preparation. They provide a convenient, reliable alternative to conventional point-to-point wiring for high density, high-vibration PC board interconnect application. They have a round copper conductor that is rolled flat for high flex life, tin-plated for easy soldering. This round-to-flat design provides vibration-proof reliability and long life. They are built with exposed end pins, so there is no need to strip insulation from the conductors before making a connection.

POLYESTER INSULATION - CONDUCTOR PITCH: .100"

Features:

- Temperature Rating: 105°C
- Current Rating: 3 Amps
- Voltage Rating: 300 VAC
- Pin arrangement: Straight end pins
- Pin length: .125 ± .030

This is an effective general-purpose counterpart to Nomex, because polyester is very resistant to high humidity or high abrasion. Although, polyester can be more easily damaged by high temperatures. Jumpers insulated with polyester should not be hand soldered.

1 Inch Length

• Equivalent AWG: 24

MOUSER STOCK NO.	AMP Part No.	Conductors	Price Per Each				
			1	10	100	250	500
571-FSP-21A-2	4-1437165-2	2	.29	.28	.24	.22	CALL FOR QUOTE
571-FSP-21A-3	4-1437165-9	3	.34	.33	.28	.26	
571-FSP-21A-4	5-1437165-4	4	.40	.38	.32	.30	
571-FSP-21A-5	5-1437165-6	5	.45	.43	.37	.34	
571-FSP-21A-6	5-1437165-7	6	.50	.48	.41	.38	
571-FSP-21A-7	5-1437165-8	7	.55	.53	.45	.42	
571-FSP-21A-8	5-1437165-9	8	.61	.58	.50	.46	
571-FSP-21A-9	6-1437165-0	9	.66	.63	.54	.49	
571-FSP-21A-10	3-1437165-2	10	.71	.68	.58	.54	
571-FSP-21A-11	3-1437165-3	11	.77	.73	.62	.57	
571-FSP-21A-12	3-1437165-4	12	.82	.78	.67	.61	
571-FSP-21A-13	3-1437165-5	13	.87	.83	.71	.65	
571-FSP-21A-14	3-1437165-6	14	.92	.88	.75	.69	
571-FSP-21A-15	3-1437165-7	15	.98	.93	.79	.73	
571-FSP-21A-16	3-1437165-8	16	1.03	.98	.84	.77	
571-FSP-21A-17	3-1437165-9	17	1.08	1.03	.88	.81	
571-FSP-21A-18	4-1437165-0	18	1.06	.95	.90	.85	
571-FSP-21A-19	4-1437165-1	19	1.19	1.13	.97	.89	
571-FSP-21A-20	4-1437165-3	20	1.24	1.18	1.01	.93	

2 Inch Length

• Equivalent AWG: 24

MOUSER STOCK NO.	AMP Part No.	Conductors	Price Per Each				
			1	10	100	250	500
571-FSP-22A-2	6-1437166-0	2	.34	.32	.27	.25	CALL FOR QUOTE
571-FSP-22A-3	6-1437166-6	3	.41	.40	.34	.31	
571-FSP-22A-4	6-1437166-9	4	.49	.47	.40	.37	
571-FSP-22A-5	7-1437166-0	5	.57	.54	.46	.42	
571-FSP-22A-6	7-1437166-1	6	.64	.62	.52	.48	
571-FSP-22A-7	7-1437166-3	7	.72	.69	.58	.54	
571-FSP-22A-8	7-1437166-4	8	.79	.76	.65	.60	
571-FSP-22A-9	7-1437166-5	9	.87	.83	.71	.65	
571-FSP-22A-10	5-1437166-1	10	.95	.90	.77	.71	
571-FSP-22A-11	5-1437166-2	11	1.02	.98	.83	.77	
571-FSP-22A-12	5-1437166-3	12	1.10	1.05	.89	.82	
571-FSP-22A-13	5-1437166-4	13	1.17	1.12	.96	.88	
571-FSP-22A-14	5-1437166-5	14	1.25	1.20	1.02	.94	
571-FSP-22A-15	5-1437166-6	15	1.33	1.27	1.08	1.00	
571-FSP-22A-16	5-1437166-7	16	1.40	1.34	1.15	1.05	
571-FSP-22A-17	1474506-1	17	1.48	1.41	1.20	1.10	
571-FSP-22A-18	5-1437166-8	18	1.56	1.49	1.27	1.17	
571-FSP-22A-19	5-1437166-9	19	1.63	1.56	1.33	1.22	
571-FSP-22A-20	6-1437166-1	20	1.71	1.63	1.39	1.28	

4 Inch Length

• Equivalent AWG: 24

MOUSER STOCK NO.	AMP Part No.	Conductors	Price Per Each				
			1	10	100	250	500
571-FSP-24A-2	8-1437167-6	2	.43	.41	.35	.33	CALL FOR QUOTE
571-FSP-24A-3	9-1437167-3	3	.56	.53	.45	.42	
571-FSP-24A-4	- - - - - - - - -	4	.68	.65	.55	.51	
571-FSP-24A-5	- - - - - - - - -	5	.81	.77	.66	.60	
571-FSP-24A-6	9-1437167-5	6	.93	.89	.76	.70	
571-FSP-24A-7	9-1437167-6	7	1.05	1.01	.86	.79	
571-FSP-24A-8	9-1437167-7	8	1.18	1.12	.96	.88	
571-FSP-24A-9	9-1437167-8	9	1.30	1.24	1.06	.98	
571-FSP-24A-10	7-1437167-9	10	1.43	1.36	1.16	1.07	
571-FSP-24A-11	8-1437167-0	11	1.55	1.48	1.26	1.16	
571-FSP-24A-12	8-1437167-1	12	1.67	1.60	1.36	1.25	
571-FSP-24A-13	8-1437167-2	13	1.80	1.72	1.46	1.35	
571-FSP-24A-14	8-1437167-3	14	1.92	1.84	1.56	1.44	
571-FSP-24A-15	- - - - - - - - -	15	2.04	1.96	1.66	1.53	
571-FSP-24A-16	8-1437167-4	16	2.17	2.07	1.77	1.63	
571-FSP-24A-17	- - - - - - - - -	17	2.29	2.19	1.87	1.72	
571-FSP-24A-18	8-1437167-5	18	2.42	2.31	1.97	1.81	
571-FSP-24A-19	- - - - - - - - -	19	2.54	2.43	2.07	1.91	
571-FSP-24A-20	8-1437167-7	20	2.66	2.55	2.17	2.00	

TEFLON INSULATION - CONDUCTOR PITCH: .100"

Features:

- Temperature Rating: 125°C
- Current Rating: 3 Amps
- Voltage Rating: 300 VAC
- Pin arrangement: Straight end pins
- Pin length: .125 ± .030

This is a high-performance insulating material. It stands up very well to most ordinary processes and environments. As might be expected with a material famous for providing a non-stick surface, it offers extreme high resistance to abrasion and harsh chemicals. Teflon-covered jumpers can be installed using most common soldering techniques.

1 Inch Length

• Equivalent AWG: 24

MOUSER STOCK NO.	AMP Part No.	Conductors	Price Per Each				
			1	10	100	250	500
571-FST-21A-2	3-1437186-4	2	.39	.38	.32	.29	
571-FST-21A-3	4-1437186-1	3	.49	.47	.40	.37	
571-FST-21A-4	4-1437186-9	4	.60	.57	.49	.44	
571-FST-21A-5	5-1437186-0	5	.70	.69	.57	.52	
571-FST-21A-6	5-1437186-2	6	.80	.77	.65	.60	
571-FST-21A-7	5-1437186-4	7	.91	.86	.74	.68	
571-FST-21A-8	5-1437186-5	8	1.01	.96	.82	.76	
571-FST-21A-9	5-1437186-8	9	1.10	1.05	.90	.83	
571-FST-21A-10	2-1437186-4	10	1.21	1.16	.99	.91	
571-FST-21A-11	2-1437186-5	11	1.32	1.26	1.07	.99	
571-FST-21A-12	2-1437186-6	12	1.42	1.36	1.16	1.06	
571-FST-21A-13	2-1437186-7	13	1.52	1.45	1.24	1.14	
571-FST-21A-14	2-1437186-8	14	1.62	1.55	1.32	1.22	
571-FST-21A-15	2-1437186-9	15	1.73	1.65	1.41	1.30	
571-FST-21A-16	3-1437186-0	16	1.83	1.75	1.49	1.37	
571-FST-21A-17	3-1437186-1	17	1.93	1.85	1.57	1.45	
571-FST-21A-18	3-1437186-2	18	2.04	1.95	1.66	1.53	
571-FST-21A-19	3-1437186-3	19	2.14	2.04	1.74	1.60	
571-FST-21A-20	3-1437186-5	20	2.24	2.14	1.82	1.68	

2 Inch Length

• Equivalent AWG: 24

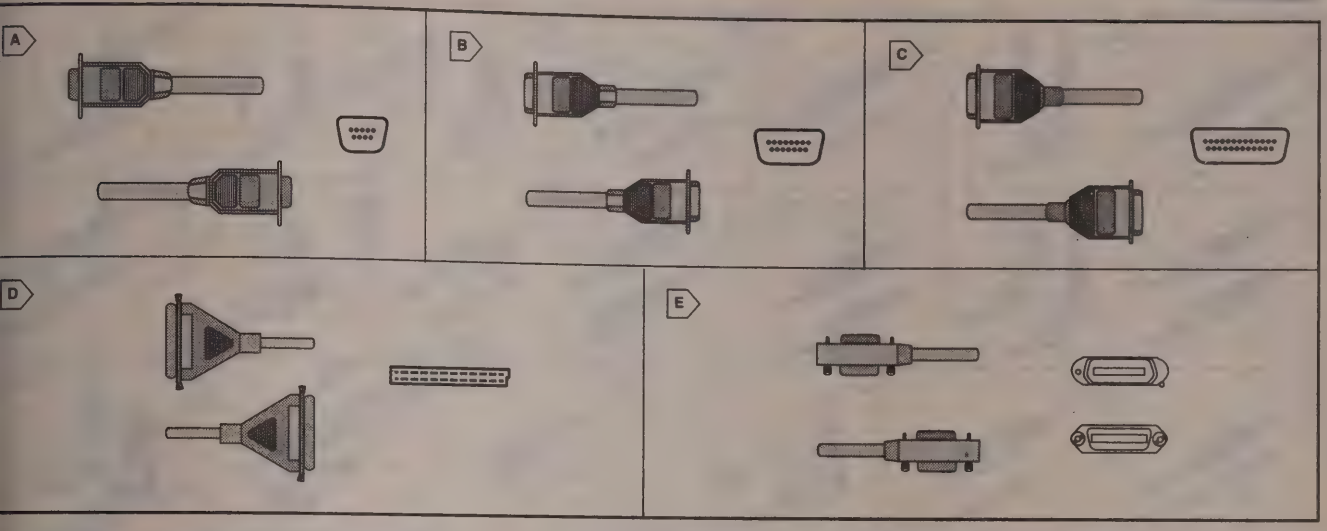
MOUSER STOCK NO.	AMP Part No.	Conductors	Price Per Each				
			1	10	100	250	500
571-FST-22A-2	6-1437187-6	2	.54	.51	.44	.40	
571-FST-22A-3	7-1437187-7	3	.71	.68	.58	.54	
571-FST-22A-4	8-1437187-0	4	.90	.85	.72	.67	
571-FST-22A-5	8-1437187-1	5	1.07	1.02	.87	.80	
571-FST-22A-6	8-1437187-2	6	1.24	1.19	1.01	.93	
571-FST-22A-7	8-1437187-4	7	1.42	1.36	1.16	1.06	
571-FST-22A-8	8-1437187-6	8	1.60	1.53	1.30	1.20	
571-FST-22A-9	8-1437187-8	9	1.77	1.70	1.44	1.33	
571-FST-22A-10	5-1437187-6	10	1.95	1.86	1.59	1.46	
571-FST-22A-11	5-1437187-7	11	2.12	2.03	1.73	1.59	
571-FST-22A-12	5-1437187-8	12	2.30	2.20	1.87	1.73	
571-FST-22A-13	5-1437187-9	13	2.48	2.37	2.02	1.86	
571-FST-22A-14	6-1437187-0	14	2.65	2.54	2.16	1.99	
571-FST-22A-15	6-1437187-1	15	2.83	2.70	2.30	2.12	
571-FST-22A-16	6-1437187-2	16	3.01	2.87	2.45	2.26	
571-FST-22A-17	6-1437187-3	17	3.18	3.04	2.59	2.39	
571-FST-22A-18	6-1437187-4	18	3.36	3.21	2.73	2.52	
571-FST-22A-19	6-1437187-5	19	3.54	3.38	2.88	2.65	
571-FST-22A-20	6-1437187-7	20	3.71	3.55	3.02	2.78	

4 Inch Length

• Equivalent AWG: 24

MOUSER STOCK NO.	AMP Part No.	Conductors	Price Per Each				
			1	10	100	250	500
571-FST-24A-2	- - - - - - - - -	2	.84	.80	.68	.63	
571-FST-24A-3	6-1437189-0	3	1.16	1.11	.94	.87	
571-FST-24A-4	6-1437189-2	4	1.49	1.42	1.21	1.11	
571-FST-24A-5	6-1437189-3	5	1.81	1.73	1.47	1.36	
571-FST-24A-6	6-1437189-4	6	2.13	2.04	1.74	1.61	
571-FST-24A-7	7-1474566-1	7	2.46	2.35	2.00	1.84	
571-FST-24A-8	6-1437189-5	8	2.78	2.66	2.27	2.09	
571-FST-24A-9	6-1437189-6	9	3.11	2.97	2.53	2.33	
571-FST-24A-10	4-1437189-6	10	3.43	3.28	2.79	2.57	
571-FST-24A-11	4-1437189-7	11	3.76	3.59	3.06	2.82	
571-FST-24A-12	4-1437189-8	12	4.08	3.90	3.32	3.06	
571-FST-24A-13	- - - - - - - - -	13	4.41	4.21	3.59	3.30	
571-FST-24A-14	4-1437189-9	14	4.73	4.52	3.85	3.55	
571-FST-24A-15	5-1437189-0	15	5.06	4.83	4.12	3.79	
571-FST-24A-16	5-1437189-1	16	5.38	5.14	4.38	4.04	
571-FST-24A-17	- - - - - - - - -	17	5.71	5.45	4.64	4.28	
571-FST-24A-18	- - - - - - - - -	18	6.03	5.76	4.91	4.52	
571-FST-24A-19	5-1437189-2	19	6.35	6.07	5.17	4.77	
571-FST-24A-20	5-1437189-3	20	6.68	6.38	5.44	5.01	

BELDEN Molded Cable Assemblies



Position Shielded D-Subminiature Cable Assembly

gned for RS-449 applications.
ded handles are 100% shielded to assist in FCC compliance and guard against EMI/RFI.
onnectors tin-plated and male connectors have detents for positive ground connection.
ng is point-to-point with the shield to connector shell.
screw retention on both connectors.

00V 80°C, UL AWM Style 2464
Foil Shield

MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (feet)	Nom. O.D. (In.)	Price Each 1	Price Each 5
66-49905A	49905A	A	Male/Female	5	.244	67.34	61.09
66-49906A	49906A	A	Male/Female	10	.244	74.96	68.02
66-49907A	49907A	A	Male/Female	25	.244	92.70	84.10

Position Shielded D-Subminiature Cable Assembly

gned for RS-449 applications. Molded handles are 100% shielded to assist in FCC compliance and guard
nst EMI/RFI. All connectors tin-plated and male connectors have detents for positive ground connection.
ng is point-to-point with the shield to connector shell. Jack screw retention on both connectors.

00V 80°C, UL AWM Style 2464
oil plus Braid Shield

MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (feet)	Nom. O.D. (In.)	Price Each 1	Price Each 5
66-49745A	49745A	B	Male/Female	5	.300	85.86	77.89
66-49746A	49746A	B	Male/Female	10	.300	95.41	86.57
66-49747A	49747A	B	Male/Female	25	.300	126.77	115.02

Position Shielded D-Subminiature Cable Assembly

gned for RS-232 applications. Molded handles are 100% shielded to guard against EMI/RFI where indicated.
nnectors are tin-plated and male connectors have detents to allow for a positive shield to ground connection.
g is point-to-point with the shield to connector shell. Jack screw retention on both connectors.

00V 80°C, UL AWM Style 2464
il Shield

MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (feet)	Nom. O.D. (In.)	Price Each 1	Price Each 5
66-49673A	49673A	C	Male/Female	5	.339	88.60	80.39
66-49674A	49674A	C	Male/Female	10	.339	109.06	98.93
66-49675A	49675A	C	Male/Female	25	.339	143.14	129.86

00V 80°C, UL AWM Style 2464
il plus Braid Shield

MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (feet)	Nom. O.D. (In.)	Price Each 1	Price Each 5
66-49615A	49615A	C	Male/Female	5	.370	92.69	84.09
66-49616A	49616A	C	Male/Female	10	.370	107.70	97.71

37-Position Shielded D-Subminiature Cable Assembly

Designed for RS-449 applications where assembly is exposed to high noise environment.
Molded handles are 100% shielded to assist in FCC compliance and guard against EMI/RFI.
All connectors are tin-plated and male connectors have detents to allow for a positive shield to ground connection.
Wiring is point-to-point with shield to connector shell and pin#1.
Jack screw retention on both connectors.

- 300V 80°C, UL AWM Style 2464
- Foil Shield

MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (feet)	Nom. O.D. (In.)	Price Each 1	Price Each 5
566-49950A	49950A	C	Male/Male	5	.480	130.85	118.73
566-49951A	49951A	C	Male/Male	10	.480	155.41	141.00
566-49955A	49955A	C	Male/Female	5	.480	134.95	122.45
566-49956A	49956A	C	Male/Female	10	.480	159.48	144.70
566-49957A	49957A	C	Male/Female	25	.480	235.83	213.98

SCSI-1 Cable Assembly

Molded handles are 100% shielded to guard against EMI/RFI and assits in FCC compliance.
These assemblies have tin-plated connectors and can be used in single-ended or differential configurations.
Wiring is per SCSI standard

- 26AWG (7x34) Stranded tinned copper conductor
- 30V 80°C, UL AWM Style 2919

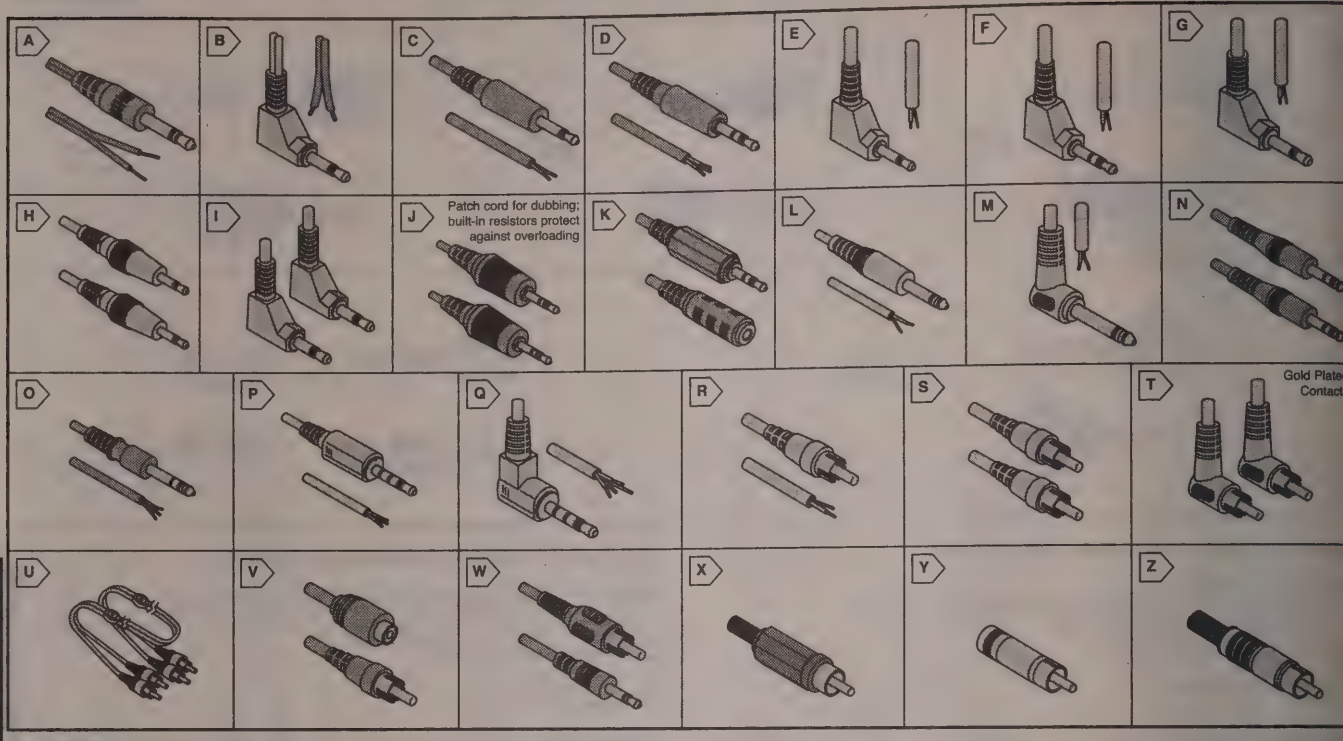
MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (feet)	Nom. O.D. (In.)	Price Each 1	Price Each 5
566-49802A	49802A	D	Male/Male	16.4	.535	169.03	153.36

GPIB Cable Assembly

General Purpose Interface Bus Cable Assembly are used with electronic equipment that is IEEE-488 compatable.
Molded connector is male/female design for easy stacking and comes with milded-in metric jack screws.

- 6 pairs 26 AWG (7x34), 10 singles 26AWG (7x34), 1 single 24AWG (7x32)
- 300V 80°C, UL AWM Style 2464
- Unshielded

MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (feet)	Nom. O.D. (In.)	Price Each 1	Price Each 5
Unshielded							
566-49642	49642	E	Male/Female	3.3	.350	154.05	139.76
566-49643	49643	E	Male/Female	6.6	.350	160.84	145.93
Shielded							
566-49733	49733	E	Male/Female	1.6	.350	160.84	145.93
566-49734	49734	E	Male/Female	3.3	.350	164.94	149.66
566-49735	49735	E	Male/Female	6.6	.350	173.11	157.07
566-49736	49736	E	Male/Female	9.8	.350	181.29	164.49



PHONE TYPE CABLES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	L (In.)	Color	Termination	Termination	Price Each 1	10	100
2.5mm Connector, Parallel Cable								
172-2133	A	36	Black	Mono plug	Stripped and tinned	1.28	.99	.89
172-2103	A	72	Black	Mono plug	Stripped and tinned	1.32	1.10	.99
172-2113	A	120	Black	Mono plug	Stripped and tinned	1.57	1.31	1.19
172-2003	B	72	Gray	Mono, 90° plug	Stripped and tinned	1.29	1.09	1.00
2.5mm Connector, Shielded Cable								
172-2104	C	72	Black	Mono plug	Stripped and tinned	1.79	1.51	1.38
172-2114	C	120	Black	Mono plug	Stripped and tinned	2.29	1.91	1.73
172-2134	C	36	Black	Mono plug	Stripped and tinned	1.69	1.41	1.28
172-0120	C	72	Gray	Mono plug	Stripped and tinned	1.96	1.64	1.49
172-2234	D	36	Black	Stereo plug	Stripped and tinned	2.55	2.13	1.93
172-2204	D	72	Black	Stereo plug	Stripped and tinned	2.97	2.47	2.25
172-2214	D	120	Black	Stereo plug	Stripped and tinned	3.28	2.74	2.49
172-2304	D	72	Gray	Stereo plug	Stripped and tinned	2.97	2.47	2.25
172-2004	E	72	Gray	Mono, 90° plug	Stripped and tinned	1.59	1.35	1.22
172-2009	E	36	Black	Mono, 90° plug	Stripped and tinned	1.29	1.17	1.07
172-2069	E	72	Black	Mono, 90° plug	Stripped and tinned	1.58	1.32	1.20
172-2019	E	120	Black	Mono, 90° plug	Stripped and tinned	1.95	1.63	1.48
172-2310	F	36	Black	Stereo, 90° plug	Stripped and tinned	3.37	2.81	2.55
172-2010	F	72	Black	Stereo, 90° plug	Stripped and tinned	3.96	3.30	2.99
172-2110	F	120	Black	Stereo, 90° plug	Stripped and tinned	4.39	3.66	3.33
172-2533	K	36	Black	Stereo plug	Stereo Jack	2.52	2.10	1.91
172-2574	K	72	Black	Stereo plug	Stereo Jack	2.92	2.44	2.21
172-2535	K	120	Black	Stereo plug	Stereo Jack	3.29	2.96	2.63
172-7425	P	72	Black	4 Cond Stereo Plug	Stripped and tinned	2.15	1.79	1.63
172-7426	Q	72	Black	4 Cond Stereo 90	Stripped and tinned	2.15	1.79	1.63
3.5mm Connector, Parallel Cable								
172-1283	A	36	Black	Mono plug	Stripped and tinned	.80	.62	.56
172-1286	A	72	Black	Mono plug	Stripped and tinned	.99	.77	.70
172-1281	A	120	Black	Mono plug	Stripped and tinned	1.16	.89	.81
172-2005	B	72	Gray	Mono, 90° plug	Stripped and tinned	1.29	1.08	.98
3.5mm Connector, Shielded Cable								
172-0109	C	72	Gray	Mono plug	Stripped and tinned	1.75	1.46	1.32
172-2136	C	36	Black	Mono plug	Stripped and tinned	1.34	1.12	1.02
172-2106	C	72	Black	Mono plug	Stripped and tinned	1.63	1.37	1.25
172-2116	C	120	Black	Mono plug	Stripped and tinned	2.08	1.73	1.57
172-2236	D	36	Black	Stereo plug	Stripped and tinned	2.21	1.84	1.68
172-2206	D	72	Black	Stereo plug	Stripped and tinned	2.74	2.29	2.08
172-2216	D	120	Black	Stereo plug	Stripped and tinned	3.40	2.84	2.58
172-2306	D	72	Gray	Stereo plug	Stripped and tinned	2.74	2.29	2.08
172-2036	F	36	Black	Stereo 90° plug	Stripped and tinned	2.99	2.49	2.27
172-2011	F	72	Black	Stereo 90° plug	Stripped and tinned	3.72	3.09	2.84
172-2016	F	120	Black	Stereo 90° plug	Stripped and tinned	4.53	3.78	3.43
172-2017	F	72	Gray	Stereo 90° plug	Stripped and tinned	3.72	3.09	2.84
172-2006	G	72	Gray	Mono, 90° plug	Stripped and tinned	1.59	1.35	1.22
172-3536	H	36	Gray	Mono plug	Mono plug	1.77	1.47	1.34
172-0129	H	60	Gray	Mono plug	Mono plug	1.99	1.68	1.53
172-2137	H	36	Black	Mono plug	Mono plug	1.57	1.31	1.19
172-2107	H	60	Black	Mono plug	Mono plug	1.99	1.66	1.37
172-2117	H	120	Black	Mono plug	Mono plug	2.26	1.88	1.71
172-0106	H	72	Gray	Mono plug	Mono plug	1.92	1.59	1.46
172-2007	I	60	Gray	Mono, 90° plug	Mono, 90° plug	1.89	1.60	1.46
172-2008	I	72	Gray	Mono, 90° plug	Mono, 90° plug	1.99	1.68	1.56
172-3534	J	36	Black	Stereo plug	Stereo plug	4.14	3.45	3.13

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Fig.	L (In.)	Color	Termination	Termination	Price Each 1	10	100
3.5mm Connector, Shielded Cable (cont.)								
172-3504	J	72	Black	Stereo plug	Stereo plug	4.39	3.72	3.3
172-3514	J	120	Black	Stereo plug	Stereo plug	5.14	4.28	3.8
172-3533	K	36	Black	Stereo plug	Stereo jack	2.52	2.10	1.9
172-3574	K	72	Black	Stereo plug	Stereo jack	2.92	2.44	2.2
172-3535	K	120	Black	Stereo plug	Stereo jack	3.29	2.96	2.6
172-2238	N	36	Black	Stereo plug	Stereo plug	1.85	1.54	1.4
172-2208	N	72	Black	Stereo plug	Stereo plug	2.60	2.17	1.9
172-2218	N	120	Black	Stereo plug	Stereo plug	2.79	2.32	2.1
172-7435	P	72	Black	4 Cond Stereo Plug	Stripped and tinned	2.04	1.69	1.5
172-7436	Q	72	Black	4 Cond Stereo 90	Stripped and tinned	2.04	1.69	1.5
1/4" Connector, Shielded Cable								
172-0110	L	72	Gray	Mono plug	Stripped and tinned	1.99	1.68	1.5
172-3101	L	72	Black	Mono plug	Stripped and tinned	2.23	1.86	1.6
172-3001	M	72	Gray	Mono, 90° plug	Stripped and tinned	1.99	1.68	1.5
172-0001	N	72	Black	Stereo plug	Stereo plug	3.60	3.00	2.7
1/4" Connector, Unshielded Cable								
172-0108	O	72	Black	Stereo plug	Stripped and tinned	2.99	2.53	2.2

RCA PHONO TYPE CABLES / ADAPTERS

Shielded Cable

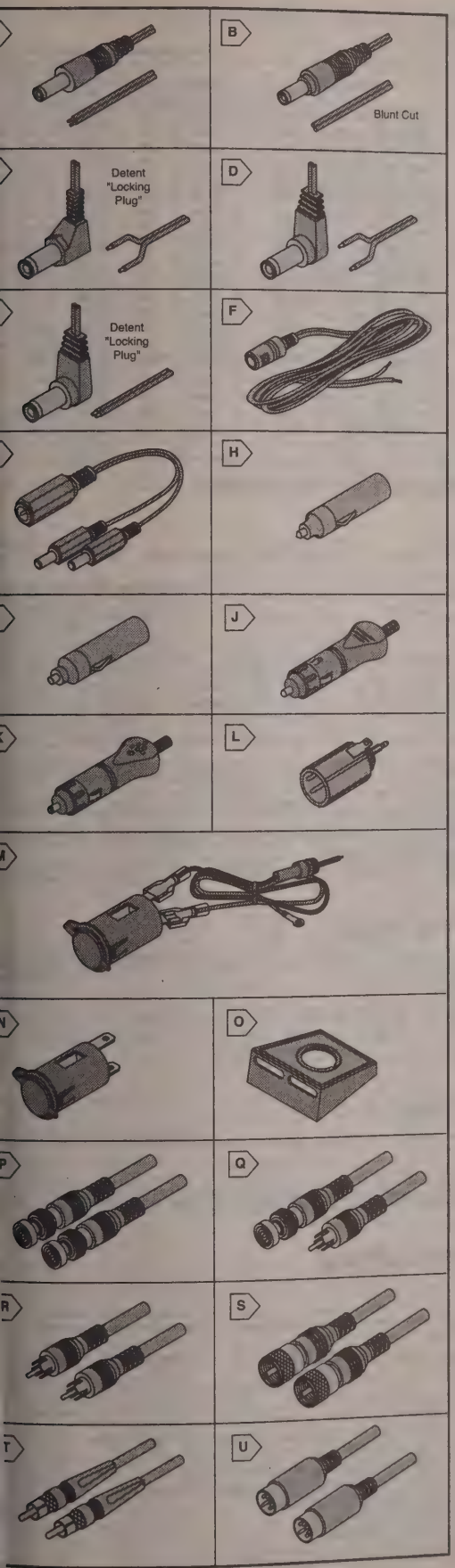
For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Fig.	L (In.)	Color	Termination	Termination	Price Each 1	10	100
172-1133	R	36	Black	RCA plug	Stripped and tinned	1.20	.99	.9
172-1103	R	72	Black	RCA plug	Stripped and tinned	1.63	1.41	1.2
172-1113	R	120	Black	RCA plug	Stripped and tinned	1.93	1.61	1.4
17FH101	S	36	Gray	RCA plug	RCA plug	1.15	.96	.8
17FH105	S	60	Gray	RCA plug	RCA plug	1.31	1.08	.9
172-1011	S	120	Gray	RCA plug	RCA plug	1.93	1.61	1.4
172-1101	S	36	Black	RCA plug	RCA plug	1.62	1.30	1.1
172-1166	S	72	Black	RCA plug	RCA plug	1.87	1.56	1.4
172-1161	S	120	Black	RCA plug	RCA plug	2.23	1.86	1.6
172-1112	S	72	Gray	RCA plug	RCA plug	1.74	1.45	1.3
172-1001	T	36	Gray	Rt. angle RCA plug	Rt. angle RCA plug	1.39	1.26	1.1
172-1002	T	60	Gray	Rt. angle RCA plug	Rt. angle RCA plug	1.59	1.35	1.2
172-1110	T	120	Gray	Rt. angle RCA plug	Rt. angle RCA plug	2.23	1.86	1.6
172-0043	U	36	Black	1red/1blk RCA plug	1red/1blk RCA plug	2.99	2.49	2.2
172-0004	U	72	Black	1red/1blk RCA plug	1red/1blk RCA plug	3.59	2.99	2.7
172-0041	U	120	Black	1red/1blk RCA plug	1red/1blk RCA plug	3.72	3.10	2.8
172-0023	V	36	Black	RCA plug	RCA jack	1.79	1.49	1.3
172-0020	V	72	Black	RCA plug	RCA jack	2.13	1.77	1.6
172-0021	V	120	Black	RCA plug	RCA jack	2.64	2.20	1.9
172-0002	W	72	Black	RCA plug	3.5mm mono plug	1.76	1.47	1.3
172-0012	W	36	Black	RCA plug	3.5mm mono plug	1.49	1.24	1.1
172-0013	W	120	Black	RCA plug	3.5mm mono plug	1.99	1.72	1.5

Phono Adapters

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100	50
172-RPA1201	X	5mm RCA Plug	.42	.32	.25	.1
172-RPA1005	Y	5mm RCA Plug Metal	1.11	.84	.64	.4
172-RPA1205	Z	8mm RCA Plug Metal	1.84	1.67	1.39	1.1



DC POWER CABLES

* Dentent Locking Plugs † Blunt Cut

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Length (In.)	AWG	Plug Dimensions (mm)			Price Each			
					I.D.	O.D.	Length	1	10	100	500
Straight · Cord type: parallel with striped pin indicator											
172-4206	A	Black	120	24	1.3	3.4	9.0	1.82	1.52	1.39	1.26
172-1370	A	Gray	72	24	1.3	3.4	12	1.57	1.31	1.19	1.08
172-0171	A	Black	72	24	1.7	4.0	9.5	1.57	1.31	1.19	1.08
172-0172	A	Black	72	24	1.7	4.8	9.5	1.57	1.31	1.19	1.08
172-4101	A	Black	72	24	2.1	5.5	11	1.26	1.05	.98	.89
172-4204	A	Black	36	24	2.1	5.5	12	1.21	1.01	.92	.84
† 172-4203	B	Black	24	24	2.1	5.5	12	1.06	.82	.74	.68
17FH114	A	Black	72	24	2.5	5.5	12	1.06	.82	.74	.68
172-0014	A	Gray	72	24	2.5	5.5	11	1.49	1.15	1.05	.95
172-4201	A	Black	72	18	2.5	5.5	12	1.77	1.36	1.24	1.13
172-4205	A	Black	36	24	2.5	5.5	12	1.21	1.01	.92	.84
† 172-4202	B	Black	24	18	2.5	5.5	12	1.14	1.04	.95	.86
Right Angle											
172-1373	C	Black	120	24	1.3	3.4	9.0	1.82	1.52	1.39	1.26
172-0173	D	Black	72	24	1.7	4.0	9.5	1.63	1.36	1.23	1.12
172-0174	D	Black	72	24	1.7	4.8	9.5	1.63	1.36	1.23	1.12
* 172-1015	E	Black	120	24	2.1	5.5	14	1.79	1.49	1.35	1.23
172-4001	D	Gray	72	24	2.1	5.5	11	1.29	1.09	.99	.91
† 172-4207	D	Black	24	18	2.1	5.5	12	1.43	1.19	1.08	.98
* 172-1016	E	Black	6	24	2.1	5.5	14	1.32	1.20	1.09	.99
172-1018	D	Black	120	24	2.5	5.5	12	1.79	1.49	1.35	1.23
172-4000	D	Black	72	24	2.5	5.5	12	1.29	1.09	.99	.91
† 172-4208	D	Black	24	18	2.5	5.5	12	1.43	1.19	1.08	.98
172-1017	D	Black	6	24	2.5	5.5	12	1.21	.93	.85	.77
Straight Jack											
172-0210	F	Black	72	24	2.1	5.5	9.5	1.66	1.38	1.26	1.14
172-0250	F	Black	72	24	2.5	5.5	9.5	1.66	1.38	1.26	1.14
Y Adapters											
172-2111	G	Black	8	26	2.1 JK	---	---	3.16	2.64	2.39	2.18
172-2555	G	Black	8	26	2.5 JK	---	---	3.16	2.64	2.39	2.18

AUTO POWER PLUGS AND RECEPTACLES

• 12VDC, plugs directly into standard cigarette lighter

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
Plugs						
171-6001	H	Black plastic, unscrews for easy soldering	.83	.63	.57	.52
171-0129	I	Plug with solder tab, black	1.23	1.03	.94	.85
171-1378	J	Black plastic, 20Amp, no fuse needed	1.31	1.09	.99	.89
171-R1326	K	8A/12VDC Fuse and green led	2.09	1.99	1.79	1.61
Receptacles						
161-2050	L	12VDC receptacle	2.96	2.47	2.24	2.04
161-65B2	M	Snap-in socket w/fuseholder and wiring harness	4.94	4.11	3.74	3.40
161-1365	N	Snap-in socket with dust cover	3.21	2.68	2.43	2.21
400-65B2	O	Mounting bracket for 161-65B2 and 161-1365	1.10	.85	.77	.70

50 OHM SHIELDED RF CABLE ASSEMBLIES

All cable assemblies feature a molded strain relief that combines the cable and the nickel plated brass connectors into a single unified assembly minimizing failure due to bending and flexing.

Features:

• Low noise interference • Molded strain relief
• Weather resistant • Excellent impedance characteristics
• Flexible

Specifications:

• Cable type: RG 58C/U • Insulation: polyethylene
• Impedance: 50Ω • Shielding: tinned copper, 96% coverage

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Color	Description	Price Each			
					1	10	100	500
172-2012	P	12	Black	BNC plug to BNC plug	3.61	2.98	2.73	2.48
172-2024	P	24	Black	BNC plug to BNC plug	3.84	3.17	2.90	2.64
172-2048	P	48	Black	BNC plug to BNC plug	4.49	3.71	3.40	3.09
172-2150	P	72	Black	BNC plug to BNC plug	6.59	5.48	4.98	4.53
172-2151	Q	72	Black	BNC plug to RCA plug	4.99	4.21	3.83	3.48
172-2152	R	72	Black	RCA plug to RCA plug	3.29	2.72	2.48	2.25
172-2153	S	72	Black	PL-259 (UHF) to PL-259 (UHF)	7.39	6.17	5.61	5.10

75 OHM SHIELDED RF CABLE ASSEMBLIES

These 75Ω coaxial cables offer low noise connections due to their shielded construction. Cables are securely attached to plugs and most are supplied with strain reliefs.

• Impedance: 75Ω • Tinned copper braid shield

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Color	Description	Price Each			
					1	10	100	500
BNC - BNC								
172-6650	P	72	Black	BNC plug to BNC plug	7.10	5.92	5.38	4.89
172-2129	P	72	Black	BNC plug to BNC plug	10.10	9.19	8.36	7.60
BNC/RCA Type								
172-6670	Q	72	Black	BNC plug to RCA plug	5.17	4.31	3.92	3.56
172-2130	Q	72	Black	BNC plug to RCA plug	7.69	6.41	5.82	5.30
172-2101	T	72	Black	RCA plug to RCA plug	6.27	5.23	4.75	4.32

S-VHS VIDEO CABLES

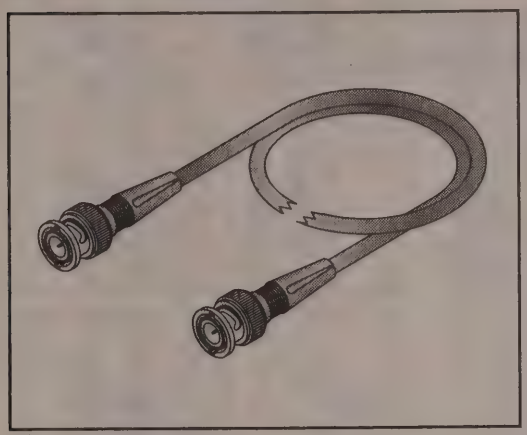
For quantities of 500 and up, call for quote.

524-32-3165	U	72	Black	4 pin s-connector plug to 4-pin s-connector plug	4.47	4.02	3.89
524-32-3166	U	144	Black	4 pin s-connector plug to 4-pin s-connector plug	8.74	7.15	5.74

BNC Cable Assemblies, Audio Cables and Adapters

EMERSON. Network Power

BNC-BNC CABLE ASSEMBLIES

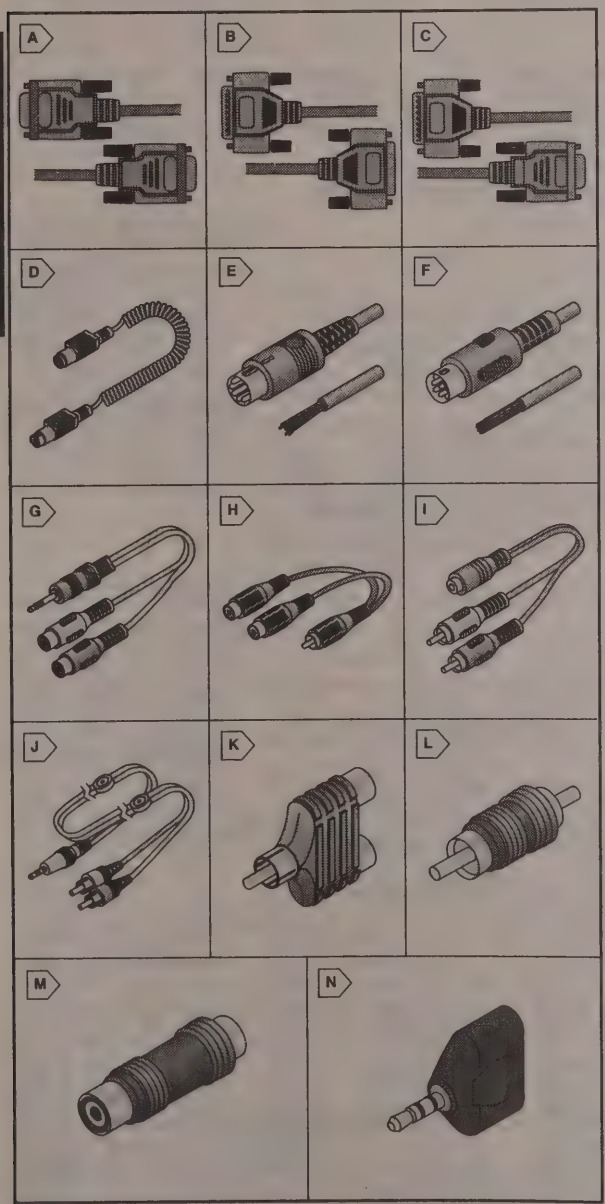


Specifications:
- Body plating: nickel
- Center contact plating: gold

Features:
- 50Ω ohm
- RG-58AU thin

For quantities of 100 and up, call for quot

MOUSER STOCK NO.	AIM Part No.	Description	Color	Length	Price Each 1	25	50
601-736340-3	73-6340-3	BNC-BNC, RG-58AU THIN	black	3ft	8.35	7.15	6.38
601-736361-3	73-6361-3	BNC-BNC, RG-58AU THIN	blue	3ft	8.35	7.15	6.38
601-736362-3	73-6362-3	BNC-BNC, RG-58AU THIN	green	3ft	8.35	7.15	6.38
601-736363-3	73-6363-3	BNC-BNC, RG-58AU THIN	red	3ft	8.35	7.15	6.38
601-736364-3	73-6364-3	BNC-BNC, RG-58AU THIN	yellow	3ft	8.35	7.15	6.38
601-736340-6	73-6340-6	BNC-BNC, RG-58AU THIN	black	6ft	9.20	8.10	7.23
601-736361-6	73-6361-6	BNC-BNC, RG-58AU THIN	blue	6ft	9.20	8.10	7.23
601-736362-6	73-6362-6	BNC-BNC, RG-58AU THIN	green	6ft	9.20	8.10	7.23
601-736363-6	73-6363-6	BNC-BNC, RG-58AU THIN	red	6ft	9.20	8.10	7.23
601-736364-6	73-6364-6	BNC-BNC, RG-58AU THIN	yellow	6ft	9.20	8.10	7.23
601-736340-10	73-6340-10	BNC-BNC, RG-58AU THIN	black	10ft	10.60	9.25	8.32
601-736361-10	73-6361-10	BNC-BNC, RG-58AU THIN	blue	10ft	10.60	9.25	8.32
601-736362-10	73-6362-10	BNC-BNC, RG-58AU THIN	green	10ft	10.60	9.25	8.32
601-736363-10	73-6363-10	BNC-BNC, RG-58AU THIN	red	10ft	10.60	9.25	8.32
601-736364-10	73-6364-10	BNC-BNC, RG-58AU THIN	yellow	10ft	10.60	9.25	8.32
601-736340-25	73-6340-25	BNC-BNC, RG-58AU THIN	black	25ft	15.75	13.95	12.49
601-736361-25	73-6361-25	BNC-BNC, RG-58AU THIN	blue	25ft	15.75	13.95	12.49
601-736362-25	73-6362-25	BNC-BNC, RG-58AU THIN	green	25ft	15.75	13.95	12.49
601-736363-25	73-6363-25	BNC-BNC, RG-58AU THIN	red	25ft	15.75	13.95	12.49
601-736364-25	73-6364-25	BNC-BNC, RG-58AU THIN	yellow	25ft	15.75	13.95	12.49



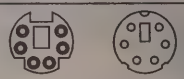
KOBICONN MOLDED EXTENSION CABLES

Features:
- Non-UL wire
- 28AWG PVC cover
- Color: beige
- Max Current: 500ma
- 4-40 holding screws
- Connector Housing: nickel plated steel
- Insulator PBT 30% glass
- Pins: brass, gold plated

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Fig.	Color	Length (In.)	Description	Price Each 1	10	100	50
9 Pin - 9 Pin								
172-0909	A	Beige	72	9 Pin Male 9 Pin Male	3.25	2.45	1.81	1.6
172-0906	A	Beige	72	9 Pin Male 9 Pin Female	2.73	2.19	1.81	1.6
172-0910	A	Beige	120	9 Pin Male 9 Pin Female	4.79	3.69	2.99	2.6
172-1906	A	Beige	72	9 Pin Female 9 Pin Female	2.67	2.14	1.87	1.7
172-1910	A	Beige	120	9 Pin Female 9 Pin Female	3.54	2.83	2.55	2.2
25 Pin - 25 Pin								
172-2525	B	Beige	72	25 Pin Male 25 Pin Female	5.99	4.80	3.82	3.4
25 Pin - 9 Pin								
172-0925	C	Beige	72	25 Pin Male to 9 Pin Female	3.41	2.73	2.45	2.2
15 Pin - 15 Pin Hi-Density Video Cable								
172-1520	A	Beige	79	15 Pin HD Male to 15 Pin HD Female	4.71	3.93	2.99	2.7
6 Pin - 6 Pin Coiled Keyboard Extension Cable								
172-6620	D	Beige	79 Ext.	6 Pin Mini-Din male-6 Pin female	4.54	3.78	2.89	2.6

KOBICONN DIN TYPE CABLES



For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Fig.	Length (In.)	Color	Description	Price Each 1	10	1
172-0007	E	72	Black	5 pin DIN plug to stripped and tinned	4.57	3.81	3.4
172-0008	F	72	Black	8 pin DIN plug to 24 AWG stripped and tinned leads shielded cable	5.35	4.46	4.1

KOBICONN ADAPTERS

For quantities of 10 and up, call for qu

MOUSER STOCK NO.	Fig.	Description	Pric Eac
172-0003	G	5" black shielded cable, 2 RCA jacks to 3.5mm stereo plug	2.0

KOBICONN PHONO ADAPTERS

Specifications:
- Body material: PVC plastic
- Contact material: nickel plated brass
- Insulation resistance: 100MΩ min.
- Contact resistance: 30mΩ max.
- Breakdown voltage: 500VAC 1 min.
- Insulation material: ABS plastic

For quantities of 10 and up, call for qu

MOUSER STOCK NO.	Fig.	Description	Pric Eac
172-4010	H	Standard black RCA plug to 2 RCA jacks, 1 red and 1 white	1.2
172-4011	I	Standard black RCA jack to 2 RCA plugs, 1 red and 1 white	1.4
172-0601	J	1 red/1 black RCA plug to 3.5mm stereo plug 39"	2.2
172-0602	J	1 red/1 black RCA plug to 3.5mm stereo plug 78"	2.6
172-0603	J	1 red/1 black RCA plug to 3.5mm stereo plug 118"	2.8
161-4200	K	Phono adapter 1 plug to 2 jacks	2.7
171-ADRPRP	L	RCA plug to RCA plug	1.8
171-ADRJRJ	M	RCA jack to RCA jack	1.0
171-AD32D31	N	3.5mm Stereo plug - 2 x 2.5mm mono jack	2.2

MOUSER ELECTRONICS a ttl company

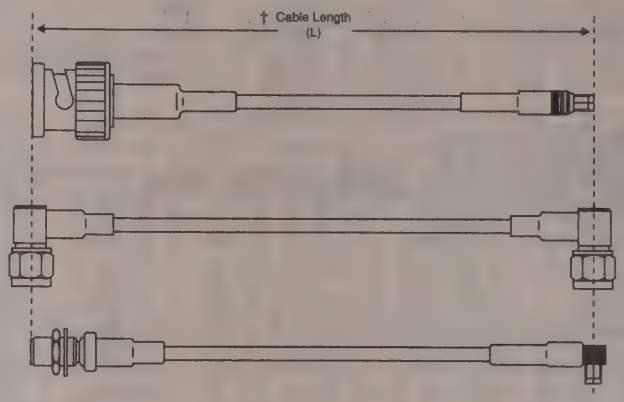
JOHNSON COMPONENTS RF Cable Assemblies

D LENGTH FLEXIBLE RF CABLE ASSEMBLIES

ctor Materials:

Brass Body with Gold Plating, Captivated Contacts, PTFE Insulators
Brass Body with Gold Plating, Captivated Contacts, PTFE Insulators
Brass Body with Gold Plating, Captivated Contacts, PTFE Insulators
N: Brass Body with Nickel plating, Teflon Insulators

† Cable length applies to the end of straight connectors. The length is applied to the vertical centroid of right angle connectors.



cal Ratings *

ector	Cable	Impedance Ohms	Frequency GHz	Dielectric Max Voltage	Working Voltage
	RG-178	50	12.4	500 Vrms	170 Vrms
	RG-316	50	12.4	750 Vrms	250 Vrms
	RG-316 DS	50	12.4	750 Vrms	250 Vrms
	RG-58	50	12.4	1000 Vrms	335 Vrms
	RG-142	50	12.4	1000 Vrms	335 Vrms
	RG-316	50	4	1000 Vrms	335 Vrms
	RG-178	50	6	750 Vrms	250 Vrms
	RG-316	50	6	1000 Vrms	335 Vrms
	RG-316 DS	50	6	1000 Vrms	335 Vrms
	RG-58	50	11	1500 Vrms	500 Vrms
	RG-142	50	11	1500 Vrms	500 Vrms
	RG-8	50	11	1500 Vrms	500 Vrms

cal ratings of a cable assembly are determined by the limiting connector type and cable size.

For quantities greater than listed, call for quote.

OUSER OCK NO.	Johnson Components Part No.	Cable Type	Length (L) In.	Price Each 1	5	10	25
traight Plug to SMA Straight Plug - 50 Ohm - 12.4 GHz							
5-0025-006	415-0025-006	RG-178	6	12.79	10.41	9.56	8.07
5-0025-012	415-0025-012	RG-178	12	13.55	11.03	10.12	8.55
5-0025-024	415-0025-024	RG-178	24	15.05	12.25	11.25	9.50
5-0025-036	415-0025-036	RG-178	36	17.68	14.39	13.22	11.16
5-0029-006	415-0029-006	RG-316	6	11.29	9.19	8.44	7.12
5-0029-012	415-0029-012	RG-316	12	12.04	9.80	9.00	7.60
5-0029-024	415-0029-024	RG-316	24	12.79	10.41	9.56	8.07
5-0029-036	415-0029-036	RG-316	36	13.92	11.33	10.41	8.79
5-0033-006	415-0033-006	RG-316 DS	6	11.66	9.49	8.72	7.36
5-0033-012	415-0033-012	RG-316 DS	12	12.04	9.80	9.00	7.60
5-0033-024	415-0033-024	RG-316 DS	24	13.55	11.03	10.12	8.55
5-0033-036	415-0033-036	RG-316 DS	36	14.67	11.94	10.97	9.26
5-0038-012	415-0038-012	RG-58	12	13.55	11.03	10.12	8.55
5-0038-024	415-0038-024	RG-58	24	14.30	11.64	10.69	9.02
5-0038-036	415-0038-036	RG-58	36	15.05	12.25	11.25	9.50
5-0043-012	415-0043-012	RG-142	12	16.93	13.78	12.66	10.69
5-0043-024	415-0043-024	RG-142	24	21.82	17.76	16.31	13.77
5-0043-036	415-0043-036	RG-142	36	26.71	21.74	19.97	16.86
traight Plug to SMA Straight Bulkhead Jack - 50 Ohm - 12.4 GHz							
5-0031-006	415-0031-006	RG-316	6	12.79	10.41	9.56	8.07
5-0031-012	415-0031-012	RG-316	12	13.55	11.03	10.12	8.55
5-0031-024	415-0031-024	RG-316	24	14.30	11.64	10.69	9.02
5-0031-036	415-0031-036	RG-316	36	15.05	12.25	11.25	9.50
5-0035-006	415-0035-006	RG-316 DS	6	12.79	10.41	9.56	8.07
5-0035-012	415-0035-012	RG-316 DS	12	13.55	11.03	10.12	8.55
5-0035-024	415-0035-024	RG-316 DS	24	15.05	12.25	11.25	9.50
5-0035-036	415-0035-036	RG-316 DS	36	16.18	13.17	12.09	10.21
traight Plug to SMA Right Angle Plug - 50 Ohm - 12.4 GHz							
5-0034-006	415-0034-006	RG-316 DS	6	13.17	10.72	9.84	8.31
5-0034-012	415-0034-012	RG-316 DS	12	13.92	11.33	10.41	8.79
5-0034-024	415-0034-024	RG-316 DS	24	15.05	12.25	11.25	9.50
5-0034-036	415-0034-036	RG-316 DS	36	16.18	13.17	12.09	10.21
ight Angle Plug to SMA Right Angle Plug - 50 Ohm - 12.4 GHz							
5-0032-006	415-0032-006	RG-316	6	14.67	11.94	10.97	9.26
5-0032-012	415-0032-012	RG-316	12	15.05	12.25	11.25	9.50
5-0032-024	415-0032-024	RG-316	24	16.18	13.17	12.09	10.21
5-0032-036	415-0032-036	RG-316	36	17.31	14.09	12.94	10.92
ight Angle Plug to Type N Straight Plug - 50 Ohm - 11.0 GHz							
5-0059-012	415-0059-012	RG-58	12	12.79	10.41	9.56	8.07
5-0059-024	415-0059-024	RG-58	24	13.92	11.33	10.40	8.79
5-0059-036	415-0059-036	RG-58	36	14.67	11.94	10.96	9.26
5-0061-012	415-0061-012	RG-142	12	16.56	13.48	12.37	10.45
5-0061-024	415-0061-024	RG-142	24	21.82	17.76	16.30	13.77
5-0061-036	415-0061-036	RG-142	36	26.34	21.44	19.67	16.62
traight Plug to BNC Straight Plug - 50 Ohm - 4.0 GHz							
5-0028-006	415-0028-006	RG-316	6	10.54	8.58	7.87	6.65
5-0028-012	415-0028-012	RG-316	12	10.91	8.88	8.15	6.89
5-0028-024	415-0028-024	RG-316	24	11.66	9.49	8.71	7.36
5-0028-036	415-0028-036	RG-316	36	12.79	10.41	9.56	8.07
5-0037-012	415-0037-012	RG-58	12	10.91	8.88	8.15	6.89
5-0037-024	415-0037-024	RG-58	24	12.04	9.80	8.99	7.60
5-0037-036	415-0037-036	RG-58	36	12.79	10.41	9.56	8.07
5-0042-012	415-0042-012	RG-142	12	15.05	12.25	11.24	9.50
5-0042-024	415-0042-024	RG-142	24	19.57	15.93	14.61	12.35
5-0042-036	415-0042-036	RG-142	36	24.46	19.91	18.27	15.44

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Cable Type	Length (L) In.	Price Each 1	5	10	25
MCX Straight Plug to MCX Straight Plug - 50 Ohm - 6.0 GHz							
530-415-0014-006	415-0014-006	RG-178	6	12.79	10.41	9.56	8.07
530-415-0014-012	415-0014-012	RG-178	12	13.55	11.03	10.12	8.55
530-415-0014-024	415-0014-024	RG-178	24	15.05	12.25	11.25	9.50
530-415-0014-036	415-0014-036	RG-178	36	16.56	13.48	12.37	10.45
530-415-0018-012	415-0018-012	RG-316	12	10.91	8.88	8.16	6.89
530-415-0018-024	415-0018-024	RG-316	24	11.66	9.49	8.72	7.36
530-415-0018-036	415-0018-036	RG-316	36	12.79	10.41	9.56	8.07
530-415-0020-006	415-0020-006	RG-316 DS	6	10.16	8.27	7.59	6.41
530-415-0020-012	415-0020-012	RG-316 DS	12	10.54	8.58	7.87	6.65
530-415-0020-024	415-0020-024	RG-316 DS	24	11.66	9.49	8.72	7.36
530-415-0020-036	415-0020-036	RG-316 DS	36	13.17	10.72	9.84	8.31
MCX Straight Plug to MCX Bulkhead Jack - 50 Ohm - 6.0 GHz							
530-415-0016-006	415-0016-006	RG-316	6	15.43	12.56	11.53	9.74
530-415-0016-012	415-0016-012	RG-316	12	15.80	12.86	11.81	9.97
530-415-0016-024	415-0016-024	RG-316	24	16.56	13.48	12.37	10.45
530-415-0016-036	415-0016-036	RG-316	36	17.68	14.39	13.22	11.16
MCX Right Angle to MCX Right Angle Plug - 50 Ohm - 6.0 GHz							
530-415-0015-006	415-0015-006	RG-178	6	12.42	10.11	9.28	7.84
530-415-0015-012	415-0015-012	RG-178	12	13.55	11.03	10.12	8.55
530-415-0015-024	415-0015-024	RG-178	24	14.67	11.94	10.97	9.26
530-415-0015-036	415-0015-036	RG-178	36	16.56	13.48	12.37	10.45
530-415-0019-006	415-0019-006	RG-316	6	12.04	9.80	9.00	7.60
530-415-0019-012	415-0019-012	RG-316	12	12.42	10.11	9.28	7.84
530-415-0019-024	415-0019-024	RG-316	24	13.55	11.53	10.76	8.74
530-415-0019-036	415-0019-036	RG-316	36	14.30	12.12	11.31	9.24
530-415-0021-006	415-0021-006	RG-316 DS	6	12.04	10.24	9.54	7.76
530-415-0021-012	415-0021-012	RG-316 DS	12	12.79	10.91	10.16	8.24
530-415-0021-024	415-0021-024	RG-316 DS	24	13.92	11.83	10.39	8.94
530-415-0021-036	415-0021-036	RG-316 DS	36	15.05	12.85	11.87	9.64
SMB Straight Plug to SMB Straight Plug - 50 Ohm - 4.0 GHz							
530-415-0003-006	415-0003-006	RG-316	6	13.55	11.03	10.12	8.55
530-415-0003-012	415-0003-012	RG-316	12	13.92	11.33	10.41	8.79
530-415-0003-024	415-0003-024	RG-316	24	15.05	12.25	11.25	9.50
530-415-0003-036	415-0003-036	RG-316	36	15.80	12.86	11.81	9.97
SMB Straight Plug to SMB Right Angle Plug - 50 Ohm - 4.0 GHz							
530-415-0002-006	415-0002-006	RG-316	6	13.55	11.03	10.12	8.55
530-415-0002-012	415-0002-012	RG-316	12	14.30	11.64	10.69	9.02
530-415-0002-024	415-0002-024	RG-316	24	15.05	12.25	11.25	9.50
530-415-0002-036	415-0002-036	RG-316	36	16.18	13.17	12.09	10.21
SMB Right Angle Plug to SMB Right Angle Plug - 50 Ohm - 4.0 GHz							
530-415-0004-006	415-0004-006	RG-316	6	13.92	11.33	10.41	8.79
530-415-0004-012	415-0004-012	RG-316	12	14.30	11.64	10.69	9.02
530-415-0004-024	415-0004-024	RG-316	24	15.43	12.56	11.53	9.74
530-415-0004-036	415-0004-036	RG-316	36	16.56	13.48	12.37	10.45
Type N Straight Plug to Type N Straight Plug - 50 Ohm - 11.0 GHz							
530-415-0058-012	415-0058-012	RG-58	12	12.42	10.11	9.28	7.84
530-415-0058-024	415-0058-024	RG-58	24	13.17	10.72	9.84	8.31
530-415-0058-036	415-0058-036	RG-58	36	14.30	11.64	10.69	9.02
530-415-0060-012	415-0060-012	RG-142	12	16.56	13.48	12.37	10.45
530-415-0060-024	415-0060-024	RG-142	24	21.45	17.46	16.03	13.54
530-415-0060-036	415-0060-036	RG-142	36	26.34	21.44	19.69	16.62
530-415-0062-012	415-0062-012	RG-8	12	15.43	12.56	11.53	9.74
530-415-0062-024	415-0062-024	RG-8	24	18.81	15.31	14.06	11.87
530-415-0062-048	415-0062-048	RG-8	48	25.21	20.52	18.84	15.91
530-415-0062-060	415-0062-060	RG-8	60	28.60	23.28	21.37	18.05

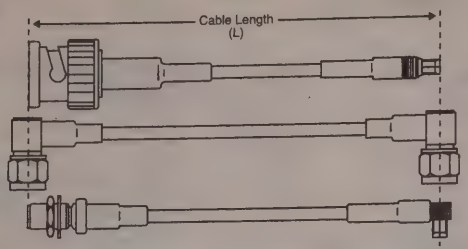
JOHNSON COMPONENTS RF Cable Assemblies

FIXED LENGTH RF CABLE ASSEMBLIES

Connector Features:

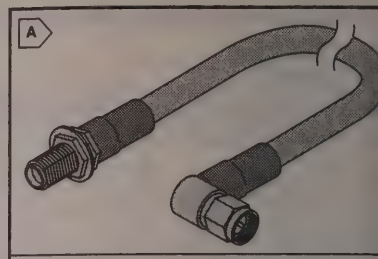
- Body: Gold Plated Brass
- Contacts: Captivated
- Insulator: PTFE
- Electrical Ratings of a cable assembly are determined by the limiting connector type and cable size. (See Chart for Electrical Ratings)

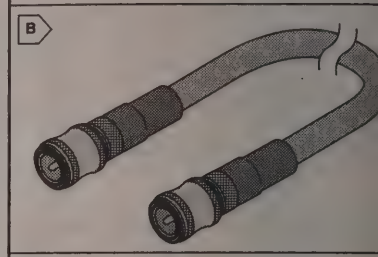
Electrical Ratings			
Connector	Cable	Dielectric Voltage Max.	Working Voltage
SMA	RG-316	750 Vrms	250Vrms
	RG-316DS	750 Vrms	250Vrms
	RG-142	1000 Vrms	335 Vrms
MMCX	RG-178	500 Vrms	170 Vrms
	RG-316	500 Vrms	170 Vrms

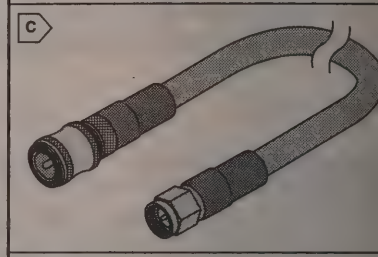


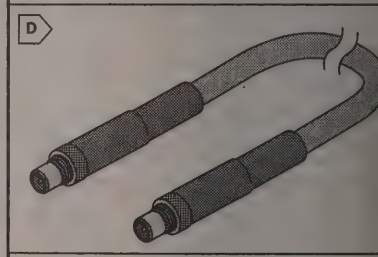
For quantities of 25 and up, call for quote.

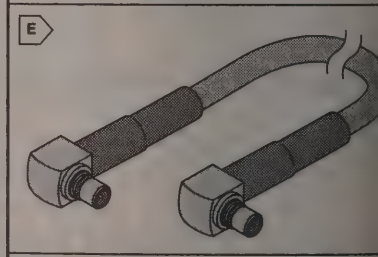
MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Cable Type	Length (L) (In.)	Connector A	Connector B	Price Each 1	5	10
SMA Right Angle Plug to SMA Straight Bulkhead Jack - 50Ω - 12.4GHz									
530-415-0074-006	415-0074-006	A	RG-316	6	142-0403-101	142-0303-411	19.62	17.66	15.89
530-415-0074-012	415-0074-012	A	RG-316	12	142-0403-101	142-0303-411	20.28	18.25	16.43
530-415-0074-024	415-0074-024	A	RG-316	24	142-0403-101	142-0303-411	21.64	19.45	17.49
530-415-0074-036	415-0074-036	A	RG-316	36	142-0403-101	142-0303-411	23.45	21.12	18.99
530-415-0074-048	415-0074-048	A	RG-316	48	142-0403-101	142-0303-411	24.76	22.28	20.06
530-415-0064-006	415-0064-006	A	RG-316DS	6	142-0404-101	142-0304-411	20.11	18.09	16.28
530-415-0064-012	415-0064-012	A	RG-316DS	12	142-0404-101	142-0304-411	20.65	18.59	16.73
530-415-0064-024	415-0064-024	A	RG-316DS	24	142-0404-101	142-0304-411	21.91	19.72	17.74
530-415-0064-036	415-0064-036	A	RG-316DS	36	142-0404-101	142-0304-411	23.61	21.24	19.12
530-415-0064-048	415-0064-048	A	RG-316DS	48	142-0404-101	142-0304-411	24.58	22.12	19.92
530-415-0075-006	415-0075-006	A	RG-142	6	142-0408-101	142-0308-411	23.45	21.11	18.99
530-415-0075-012	415-0075-012	A	RG-142	12	142-0408-101	142-0308-411	25.95	23.35	21.02
530-415-0075-024	415-0075-024	A	RG-142	24	142-0408-101	142-0308-411	30.95	27.86	25.07
530-415-0075-036	415-0075-036	A	RG-142	36	142-0408-101	142-0308-411	36.35	32.72	29.44
530-415-0075-048	415-0075-048	A	RG-142	48	142-0408-101	142-0308-411	41.23	37.11	33.39
SMA Straight Quick-Connect Plug to SMA Straight Quick Connect Plug - 50Ω - 12.4 GHz									
530-415-0065-006	415-0065-006	B	RG-316	6	142-1403-001	142-1403-001	50.62	45.56	41.01
530-415-0065-012	415-0065-012	B	RG-316	12	142-1403-001	142-1403-001	51.42	46.27	41.65
530-415-0065-018	415-0065-018	B	RG-316	18	142-1403-001	142-1403-001	52.07	46.87	42.18
530-415-0065-024	415-0065-024	B	RG-316	24	142-1403-001	142-1403-001	52.74	47.46	42.72
530-415-0065-036	415-0065-036	B	RG-316	36	142-1403-001	142-1403-001	54.06	48.65	43.79
530-415-0065-048	415-0065-048	B	RG-316	48	142-1403-001	142-1403-001	55.37	49.84	44.85
530-415-0076-012	415-0076-012	B	RG-316DS	12	142-1404-001	142-1404-001	50.05	45.16	40.54
530-415-0076-024	415-0076-024	B	RG-316DS	24	142-1404-001	142-1404-001	51.37	46.24	41.62
530-415-0076-036	415-0076-036	B	RG-316DS	36	142-1404-001	142-1404-001	52.95	47.65	42.89
530-415-0077-012	415-0077-012	B	RG-142	12	142-1408-001	142-1408-001	53.87	48.49	43.64
530-415-0077-024	415-0077-024	B	RG-142	24	142-1408-001	142-1408-001	58.75	52.87	47.59
530-415-0077-036	415-0077-036	B	RG-142	36	142-1408-001	142-1408-001	59.27	53.34	48.03
SMA Straight Quick-Connect Plug to SMA Straight Plug - 50Ω - 12.4 GHz									
530-415-0078-012	415-0078-012	C	RG-316DS	12	142-1404-001	142-0404-011	31.48	28.33	25.51
530-415-0078-024	415-0078-024	C	RG-316DS	24	142-1404-001	142-0404-011	32.67	29.42	26.48
530-415-0078-036	415-0078-036	C	RG-316DS	36	142-1404-001	142-0404-011	34.38	30.94	27.84
530-415-0079-012	415-0079-012	C	RG-142	12	142-1408-001	142-0408-011	29.96	27.56	26.18
530-415-0079-024	415-0079-024	C	RG-142	24	142-1408-001	142-0408-011	40.83	36.75	33.07
530-415-0079-036	415-0079-036	C	RG-142	36	142-1408-001	142-0408-011	44.89	40.41	36.35
MMCX Straight Plug to MMCX Straight Plug - 50Ω - 6 GHz									
530-415-0066-006	415-0066-006	D	RG-178	6	135-3402-001	135-3402-001	18.73	16.85	15.17
530-415-0066-012	415-0066-012	D	RG-178	12	135-3402-001	135-3402-001	19.73	17.76	15.98
530-415-0066-018	415-0066-018	D	RG-178	18	135-3402-001	135-3402-001	20.63	18.57	16.71
530-415-0066-024	415-0066-024	D	RG-178	24	135-3402-001	135-3402-001	21.57	19.41	17.47
530-415-0067-006	415-0067-006	D	RG-316	6	135-3403-001	135-3403-001	21.92	19.73	17.74
530-415-0067-012	415-0067-012	D	RG-316	12	135-3403-001	135-3403-001	22.61	20.35	18.32
530-415-0067-018	415-0067-018	D	RG-316	18	135-3403-001	135-3403-001	23.05	20.74	18.67
530-415-0067-024	415-0067-024	D	RG-316	24	135-3403-001	135-3403-001	23.88	21.49	19.34
MMCX Right Angle Plug to MMCX Right Angle Plug - 50Ω - 6GHz									
530-415-0068-006	415-0068-006	E	RG-178	6	135-3402-101	135-3402-101	24.64	22.18	19.96
530-415-0068-012	415-0068-012	E	RG-178	12	135-3402-101	135-3402-101	25.71	23.13	20.84
530-415-0068-018	415-0068-018	E	RG-178	18	135-3402-101	135-3402-101	26.63	23.97	21.57
530-415-0068-024	415-0068-024	E	RG-178	24	135-3402-101	135-3402-101	27.55	24.79	22.32
530-415-0069-006	415-0069-006	E	RG-316	6	135-3403-101	135-3403-101	23.07	20.76	18.69
530-415-0069-012	415-0069-012	E	RG-316	12	135-3403-101	135-3403-101	23.73	21.36	19.23
530-415-0069-018	415-0069-018	E	RG-316	18	135-3403-101	135-3403-101	24.39	21.95	19.76
530-415-0069-024	415-0069-024	E	RG-316	24	135-3403-101	135-3403-101	25.05	22.54	20.29
MMCX Straight Plug to SMA Straight Bulkhead Jack - 50Ω - 6GHz									
530-415-0070-006	415-0070-006	F	RG-178	6	135-3402-001	142-0302-431	20.43	18.39	16.56
530-415-0070-012	415-0070-012	F	RG-178	12	135-3402-001	142-0302-431	21.35	19.23	17.29
530-415-0070-018	415-0070-018	F	RG-178	18	135-3402-001	142-0302-431	22.42	20.17	18.15
530-415-0070-024	415-0070-024	F	RG-178	24	135-3402-001	142-0302-431	23.34	21.04	18.92
530-415-0070-036	415-0070-036	F	RG-178	36	135-3402-001	142-0302-431	25.71	23.13	20.83
530-415-0071-006	415-0071-006	F	RG-316	6	135-3403-001	142-0303-411	21.07	18.95	17.06
530-415-0071-012	415-0071-012	F	RG-316	12	135-3403-001	142-0303-411	21.71	19.54	17.58
530-415-0071-018	415-0071-018	F	RG-316	18	135-3403-001	142-0303-411	22.23	20.02	18.06
530-415-0071-024	415-0071-024	F	RG-316	24	135-3403-001	142-0303-411	23.12	20.81	18.73
530-415-0071-036	415-0071-036	F	RG-316	36	135-3403-001	142-0303-411	24.86	22.38	20.14
MMCX Right Angle Plug to SMA Straight Bulkhead Jack - 50Ω - 6GHz									
530-415-0072-006	415-0072-006	G	RG-178	6	135-3402-101	142-0302-431	23.31	20.98	18.88
530-415-0072-012	415-0072-012	G	RG-178	12	135-3402-101	142-0302-431	24.37	21.93	19.74
530-415-0072-018	415-0072-018	G	RG-178	18	135-3402-101	142-0302-431	25.31	22.78	20.49
530-415-0072-024	415-0072-024	G	RG-178	24	135-3402-101	142-0302-431	26.21	23.59	21.23
530-415-0072-036	415-0072-036	G	RG-178	36	135-3402-101	142-0302-431	28.72	25.84	23.26
530-415-0073-006	415-0073-006	G	RG-316	6	133-3403-101	142-0303-411	21.27	19.14	17.23
530-415-0073-012	415-0073-012	G	RG-316	12	133-3403-101	142-0303-411	21.87	19.68	17.72
530-415-0073-018	415-0073-018	G	RG-316	18	133-3403-101	142-0303-411	22.66	20.39	18.35
530-415-0073-024	415-0073-024	G	RG-316	24	133-3403-101	142-0303-411	23.31	20.98	18.89
530-415-0073-036	415-0073-036	G	RG-316	36	133-3403-101	142-0303-411	25.03	22.53	20.27

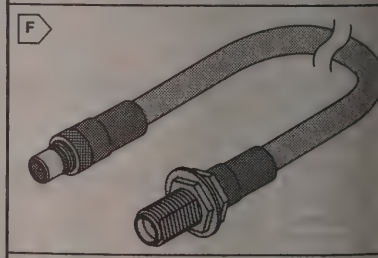


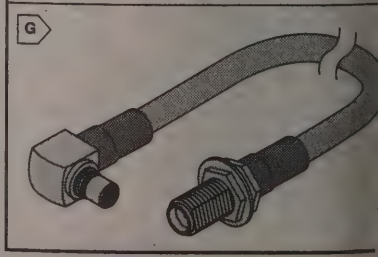






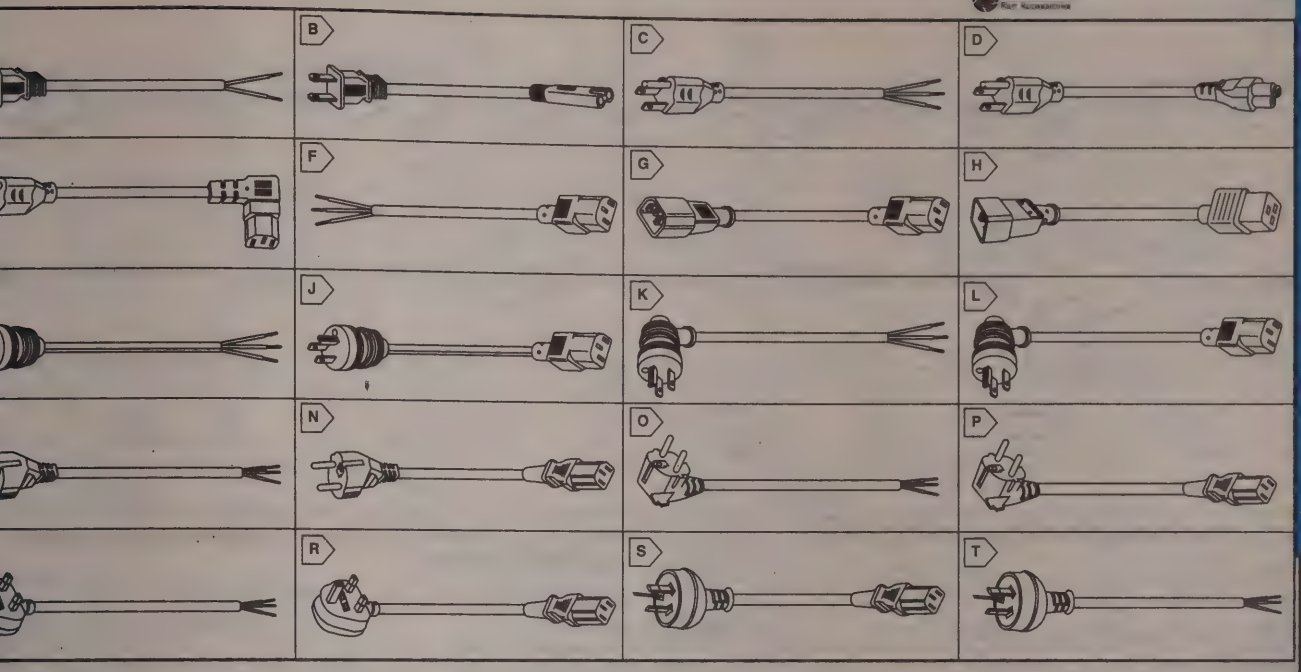






QUALTEK Power Cords

Qualtek ELECTRONICS CORPORATION
Fan-S Division



RTH AMERICAN POWER CORDS

s have CEE Color Code (Brown/Blue/Green/Yellow), with 60°C temperature rating
narked as below:

American Color Code (Black/White/Green)
erature Rating 105°C VW-1

nductor Power Cords

For quantities of 100 and up, call for quote.

USER CK NO.	Qualtek Part No.	Fig.	Length	Cordage	No. of Cond. AWG	Amps 125V	Nema Plug	Conn.	Price Each 1	10	25
21001-01	221001-01	A	6'0"	SPT-1 †	2 x 18	10	1-15	-	1.12	1.08	1.04
21002-01	221002-01	A	9'0"	SPT-1 †	2 x 18	10	1-15	-	1.31	1.22	1.16
23020-01	223020-01	B	6'0"	SPT-2 † #	2 x 18	7	1-15	C7	1.82	1.73	1.66
23021-01	223021-01	B	8'0"	SPT-2 † #	2 x 18	7	1-15	C7	2.01	1.92	1.83

nductor Power Cords - Unshielded

ns:
-01 • Gray: -06

For quantities of 100 and up, call for quote.

USER CK NO.	Qualtek Part No.	Fig.	Length	Cordage	No. of Cond. AWG	Amps 125V	Nema Plug	Conn.	Price Each 1	10	25
11012-06	211012-06	C	8'0"	SVT †	3 x 18	10	5-15	-	4.06	3.66	2.55
11018-06	211018-06	C	8'0"	SJT †	3 x 18	10	5-15	-	2.45	2.29	2.17
11010-01	311010-01	C	8'0"	SVT	3 x 18	10	5-15	-	2.35	2.22	2.07
11016-01	311016-01	C	9'10"	SJT	3 x 18	10	5-15	-	3.17	2.95	2.80
11007-01	311007-01	C	6'7"	SVT	3 x 18	10	5-15	-	1.83	1.73	1.66
11027-01	311027-01	C	9'10"	SJT	3 x 14	15	5-15	-	3.61	3.35	3.19
12004-01	212004-01	D	7'6"	SVT †	3 x 18	10	5-15	C13	2.48	2.29	2.18
12013-01	212013-01	D	7'6"	SJT †	3 x 16	13	5-15	C13	3.16	3.00	2.78
12003-01	312003-01	D	7'6"	SVT	3 x 18	10	5-15	C13	1.99	1.85	1.77
12008-01	312008-01	D	7'6"	SJT	3 x 18	10	5-15	C13	5.10	4.85	4.50
12010-01	312010-01	D	9'10"	SJT	3 x 18	10	5-15	C13	4.35	4.19	3.96
12014-01	312014-01	D	9'10"	SJT	3 x 16	13	5-15	C13	3.56	3.39	3.21
12019-01	312019-01	D	9'10"	SJT	3 x 14	15	5-15	C13	6.70	6.45	6.03
12021-01	312021-01	D	7'6"	SVT #	3 x 18	10	5-15	C13	2.48	2.32	2.20
13001-01	313001-01	E	7'6"	SVT	3 x 18	10	5-15	C13	4.66	4.39	4.11
13003-01	313003-01	E	6'7"	SVT	3 x 18	10	5-15	C13	2.83	2.65	2.50
13011-01	313011-01	E	7'6"	SJT	3 x 16	13	5-15	C13	5.98	5.69	5.44
15008-01	315008-01	F	9'10"	SJT	3 x 18	10	-	C13	2.68	2.50	2.36
31010-01	331010-01	G	9'10"	SJT	3 x 18	15	C20	C19	9.35	8.89	8.49
18002-01	318002-01	H	3'3"	SVT	3 x 18	10	C14	C13	2.25	2.09	2.00
18005-01	318005-01	H	3'3"	SJT	3 x 18	10	C14	C13	3.30	3.15	2.92
18007-01	318007-01	H	3'3"	SJT	3 x 16	13	C14	C13	2.31	2.25	2.22

Hospital Grade - Unshielded

Features:
- With North American Color Code (Black/White/Green)
- Gray: -06

*Hospital Grade Clear Plug
**Hospital Grade Gray Plug

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Length	Cordage	No. of Cond. AWG	Amps 125V	Nema Plug	Conn.	Price Each 1	10	25
562-232002-06	232002-06	I	8'0"	SJT	3 x 18	10	5-15*	-	3.88	3.65	3.50
562-232003-06	232003-06	I	10'0"	SJT	3 x 18	10	5-15*	-	3.66	3.49	3.32
562-232010-06	232010-06	I	8'0"	SJT	3 x 18	10	5-15**	-	7.68	7.35	7.04
562-232011-06	232011-06	I	10'0"	SJT	3 x 18	10	5-15**	-	7.45	7.15	6.70
562-233002-06	233002-06	J	8'0"	SJT	3 x 18	10	5-15*	C13	4.67	4.40	4.21
562-233003-06	233003-06	J	10'0"	SJT	3 x 18	10	5-15*	C13	6.20	5.59	5.20
562-233008-06	233008-06	J	8'0"	SJT	3 x 18	10	5-15**	C13	4.57	4.30	4.16
562-233009-06	233009-06	J	10'0"	SJT	3 x 18	10	5-15**	C13	4.42	4.25	4.02
562-242003-06	242003-06	K	10'0"	SJT	3 x 18	10	5-15**	-	9.24	8.95	8.32
562-243003-06	243003-06	L	10'0"	SJT	3 x 18	10	5-15*	C13	11.89	11.29	10.81

Universal Jumper Cords

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	"L"	Cordage	No. of Cond. AWG	Amps 125V	Nema Plug	Conn.	Price Each 1	10	25
562-319002	319002-T01	H	3'3"	SJT/H05VV-F	3 x 18/3 x 1.0mm²	10	C14	C13	2.30	2.15	2.02
562-319004	319004-T01	H	8'2"	SJT/H05VV-F	3 x 18/3 x 1.0mm²	10	C14	C13	3.84	3.69	3.46

INTERNATIONAL POWER CORDS

For quantities of 100 and up, call for quote.

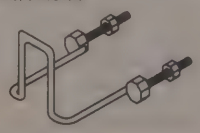
MOUSER STOCK NO.	Qualtek Part No.	Fig.	Length	Cordage	No. of Cond. AWG	Amps 125V	Nema Plug	Conn.	Price Each 1	10	25
Continental Europe											
562-363012	363012-D01	M	2.5 M	H05VV-F	3 x 1.00	10.0	1364	-	3.98	3.75	3.53
562-364002	364002-D01	N	2.5 M	H05VV-F	3 x 1.00	10.0	1364	2348	4.27	4.00	3.77
562-366042	366042-D01	O	2.5 M	H05VV-F	3 x 1.00	10.0	1610	-	3.71	3.55	3.36
562-367003	367003-D01	P	2.5 M	H05VV-F	3 x 1.00	10.0	1610	2348	3.67	3.48	3.24
United Kingdom											
562-369003	369003-E01	Q	2.5 M	H05VV-F	3 x 1.00	10.0	1620	-	9.23	8.89	8.31
562-370001	370001-E01	R	2.5 M	H05VV-F	3 x 1.00	10.0	1620	3498	9.72	9.35	8.84
Australian											
562-373003-A01	373003-A01	S	2.5 M	SAA	3 x 1.00	10.0	P003	-	9.95	9.50	9.06
562-374003-A01	374003-A01	T	2.5 M	SAA	3 x 1.00	10.0	P003	005	10.54	10.00	9.49

FETY RETAINER CLIPS

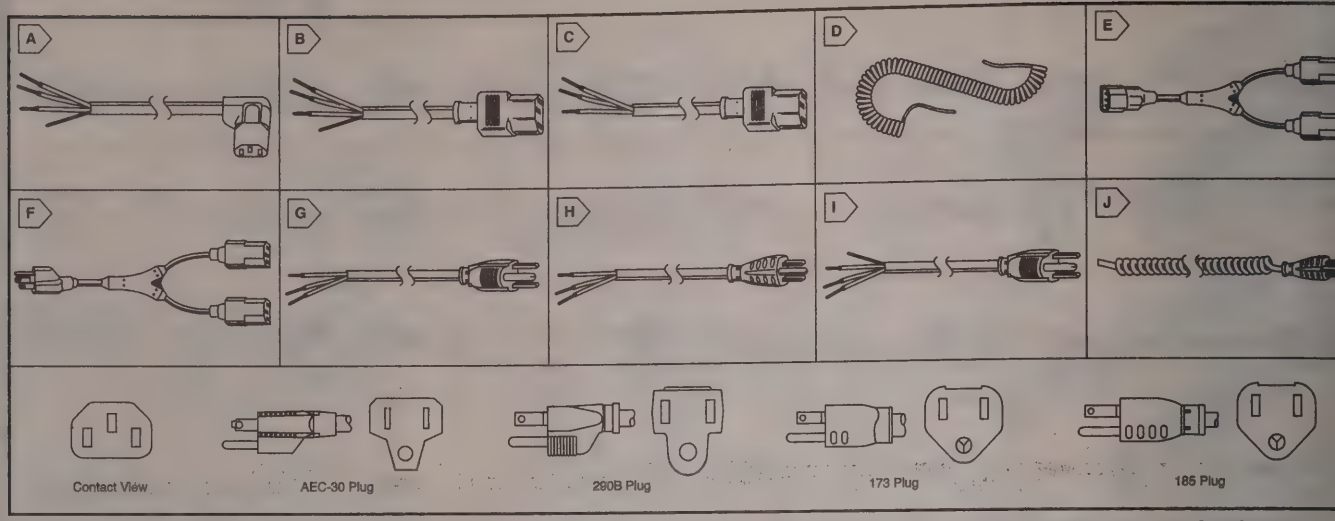
For quantities of 100 and up, call for quote.

USER CK NO.	Qualtek Part No.	Description	Price Each 1	10	25
730B-01	730B-00/00	Used on power cord Fig. I or K in conjunction with a screw mount IEC power inlet	2.44	2.29	2.05
730B-05	730B-00/05	Used on power cord Fig.C, E, or G in conjunction with a screw mount IEC power inlet	2.44	2.29	2.05
731B-00	731B-00/00	Used on power cord Fig. I or K in conjunction with a screw mount IEC power inlet	2.65	2.45	2.22
732B-00	732B-00/00	Used on power cord Fig. C, E, or G in conjunction with a screw mount IEC power inlet	3.10	2.85	2.60

Helps prevent accidental removal of detachable power cordsets from IEC power inlets and outlets.
Kit contains: 1 stainless steel clip; 2 threaded posts; 2 threaded nuts; 2 washers



VOLEX 3-Conductor Power Cords



VOLEX 3-CONDUCTOR EQUIPMENT CORDS

- Outer jactet stripped 2" - 51mm
- Conductors stripped and twisted 5/8" - 16mm
- International color coding
- Temperature: 60° C
- Drain wire: SVT- 22 AWG SJT - 20 AWG

Sheilded, Black Jacket Color - Right Angle

MOUSER STOCK NO.	Volex Part No.	Fig.	Length	AWG (Stranding)	Nominal O.D.	Rating	Cord	Price Each
686-17751	17751	A	6' 7"	18 (41x 34)	0.270"	1250 W/10 A	SVT	8.81

Unsheilded, PVC Black Jacket Color - Right Angle

MOUSER STOCK NO.	Volex Part No.	Fig.	Length	AWG (Stranding)	Nominal O.D.	Rating	Recep.	Cord	Price Each
686-17536	17536	A	6' 7"	18 (41x34)	0.315"	1250 W/10 A	PH910	SJT	5.16
686-17537	17537	A	9' 10"	18 (41x34)	0.315"	1250 W/10 A	PH910	SJT	6.66
686-17539	17539	A	9' 10"	16 (26x30)	0.340"	1625 W/13 A	PH910	SJT	7.63

Foil Shielded, PVC Jacketed Black Jacket Color

686-17749	17749	B	6' 7"	18 (41x34)	0.270"	1250 W/10 A	386A	SVT	8.17
686-17750	17750	B	9' 10"	18 (41x34)	0.270"	1250 W/10 A	386A	SVT	10.56
686-17619	17619	B	9' 10"	18 (41x34)	0.340"	1250 W/10 A	386A	SJT	11.99
686-17620	17620	B	6' 7"	16 (65x34)	0.353"	1625 W/13 A	386E	SJT	10.04
686-17621	17621	B	9' 10"	16 (65x34)	0.353"	1625 W/13 A	386E	SJT	14.10

Unshielded, PVC Jacketed, Black Jacket Color

686-17254	17254	C	7' 6"	18 (41x34)	0.246"	1250 W/10 A	386	SVT	4.60
686-17518	17518	C	6' 7"	18 (41x34)	0.315"	1250 W/10 A	386A	SJT	5.00
686-17519	17519	C	9' 10"	18 (41x34)	0.315"	1250 W/10 A	386A	SJT	6.16
686-17520	17520	C	6' 7"	16 (26x30)	0.340"	1625 W/13 A	386E	SJT	5.46
686-17521	17521	C	9' 10"	16 (26x30)	0.340"	1625 W/13 A	386E	SJT	7.34

VOLEX RETRACTILE TEST PROD WIRE

- Tinned copper, rubber insulated
- Rating 5000V VAC/RMS
- For intermittent duty only
- Red and Black

MOUSER STOCK NO.	Volex Part No.	Fig.	AWG (Stranding)	No. of Pairs	Retracted Length	Extend. Length	Nominal O.D.	Price Each
686-8879	8879	D	20 (42x36)	1 Unshielded	8"	5'	0.173"	15.21

VOLEX Y-CORD TWIN END CORD SETS

- Color Coding North America
- Jack Color Jacketed
- Temperature rating 60° C
- Length of individual leg: 2 Ft.

MOUSER STOCK NO.	Volex Part No.	Fig.	Overall Length	AWG (Stranding)	Nominal O.D.	Rating	Plug	Price Each 1	Price Each 25
686-17268A	17268A	E	6'	18 (41 x 34)	0.315"	125 V, 10 A	---	11.26	10.15
686-17269A	17269A	E	10'	18 (41x 34)	0.315"	125 V, 10 A	---	13.09	11.80
686-17270A	17270A	E	6'	16 (65 x 34)	0.340"	250 V, 13 A	---	12.73	11.49
686-17271A	17271A	E	10'	16 (65 x 34)	0.340"	250 V, 13 A	---	14.55	13.14
686-17272A	17272A	F	6'	18 (41 x 34)	0.315"	125 V, 10 A	AEC-30	10.86	9.75
686-17273A	17273A	F	10'	18 (41x 34)	0.315"	125 V, 10 A	AEC-30	13.42	12.12
686-17274A	17274A	F	6'	16 (65 x 34)	0.340"	250 V, 13 A	AEC-30	11.47	10.37
686-17275A	17275A	F	10'	16 (65 x 34)	0.340"	250 V, 13 A	AEC-30	12.92	11.63

VOLEX 3-CONDUCTOR PLASTIC NEMA 5-15P ORIGINAL EQUIPMENT CORDS

- Outer jactet stripped 2" - 51mm
- Conductors stripped and twisted 5/8" - 16mm
- Black Jacket Color
- Temperature Rating: 60° C
- International color coding
- Drain wire: SVT- 22 AWG, SJT - 20 AWG

Unshielded

* Temperature Rating: 105° C

MOUSER STOCK NO.	Volex Part No.	Fig.	AWG (Stranding)	Nominal O.D.	Length	Rating	Plug	Cord	Pri Ea
PVC Jacketed									
686-17512	17512	G	18 (41x 34)	0.315"	6' 7"	1250 W/10 A	290B	SJT	3.
686-17513	17513	G	18 (41x34)	0.315"	9' 10"	1250 W/10 A	290B	SJT	4.
686-17514	17514	G	16 (65x34)	0.340"	6' 7"	1625 W/13 A	290B	SJT	5.
686-17515	17515	G	16 (65x34)	0.340"	9' 10"	1625 W/13 A	290B	SJT	8.
686-17516	17516	G	14 (41x30)	0.380"	6' 7"	1875 W/15 A	173	SJT	6.
686-17517	17517	G	14 (41x30)	0.380"	9' 10"	1875 W/15 A	173	SJT	8.
686-17534	17534	G	18 (41x34)	0.246"	6' 7"	1250 W/10 A	290B	SVT	3.
686-17535	17535	G	18 (41x34)	0.246"	9' 10"	1250 W/10 A	290B	SVT	4.
686-17747	17747*	G	18 (41x34)	0.246"	6' 7"	1250 W/10 A	290B	SVT	3.
Gray PVC Jacketed									
686-17237	17237	G	18 (41x34)	0.246"	6'	1250 W/10 A	290B	SVT	3.
686-17239	17239	G	18 (41x34)	0.246"	8'	1250 W/10 A	290B	SVT	3.
686-17405	17405	G	18 (16x30)	0.315"	6'	1250 W/10 A	290B	SJT	3.
686-17407	17407	G	18 (16x30)	0.315"	8'	1250 W/10 A	290B	SJT	4.
686-17276	17276	G	16 (26x30)	0.340"	20'	1625 W/13 A	290B	SJT	11.
Black Rubber or Neoprene Jacketed									
686-17238	17238	G	18 (41x34)	0.246"	8'	1250 W/10 A	290B	SV	6.
686-17406	17406	H	18 (16x30)	0.315"	6'	1250 W/10 A	290B	SJ	5.
686-17408	17408	H	18 (16x30)	0.315"	8'	1250 W/10 A	290B	SJ	6.
686-17409	17409	H	18 (16x30)	0.315"	8'	1250 W/10 A	290B	SJO	6.
686-17412	17412	H	18 (16x30)	0.315"	12'	1250 W/10 A	290B	SJ	8.
686-17419	17419	H	16 (26x30)	0.340"	9'	1625 W/13 A	185	SJ	7.
686-17422	17422	H	16 (26x30)	0.340"	12'	1625 W/13 A	185	SJ	10.
686-17425	17425	H	16 (26x30)	0.340"	15'	1625 W/13 A	290B	SJ	15.
686-17629	17629	H	14 (41x30)	0.380"	9'	1875 W/15 A	173	SJ	13.
686-17635	17635	H	14 (41x30)	0.380"	15'	1875 W/15 A	173	SJ	24.
Shielded									
686-17613	17613	I	18 (41x 34)	0.340"	9' 10"	1250 W/10 A	290B	SJT	10.
686-17614	17614	I	16 (65x34)	0.365"	6' 7"	1625 W/13 A	185	SJT	9.
686-17615	17615	I	16 (65x34)	0.365"	9' 10"	1625 W/13 A	185	SJT	12.
686-17616	17616	I	14 (41x30)	0.402"	6' 7"	1875 W/15 A	173	SJT	10.
686-17617	17617	I	14 (41x30)	0.402"	9' 10"	1875 W/15 A	173	SJT	13.
686-17720	17720	I	18 (41x34)	0.270"	6' 7"	1250 W/10 A	290B	SVT	7.
686-17740	17740*	I	18 (41x34)	0.270"	6' 7"	1250 W/10 A	290B	SVT	6.
686-17741	17741	I	18 (41x34)	0.270"	9' 10"	1250 W/10 A	290B	SVT	8.
Foil and Braid Shielded									
686-17650	17650	I	18 (41x34)	0.307"	6' 7"	1250 W/10 A	290B	SVT	11.

VOLEX RETRACTILE CORD

- Rubber Insulated, Neoprene Jacketed

686-17447	17447	J	18 (41x34)	1.33"	1 to 6'	1250 W/10 A	290B	SJO	17.
686-17448	17448	J	16 (65x34)	1.37"	1 to 6'	1625 W/13 A	173	SJO	18.
686-17449	17449	J	16 (65x34)	1.37"	2 to 12	1625 W/13 A	173	SJO	22

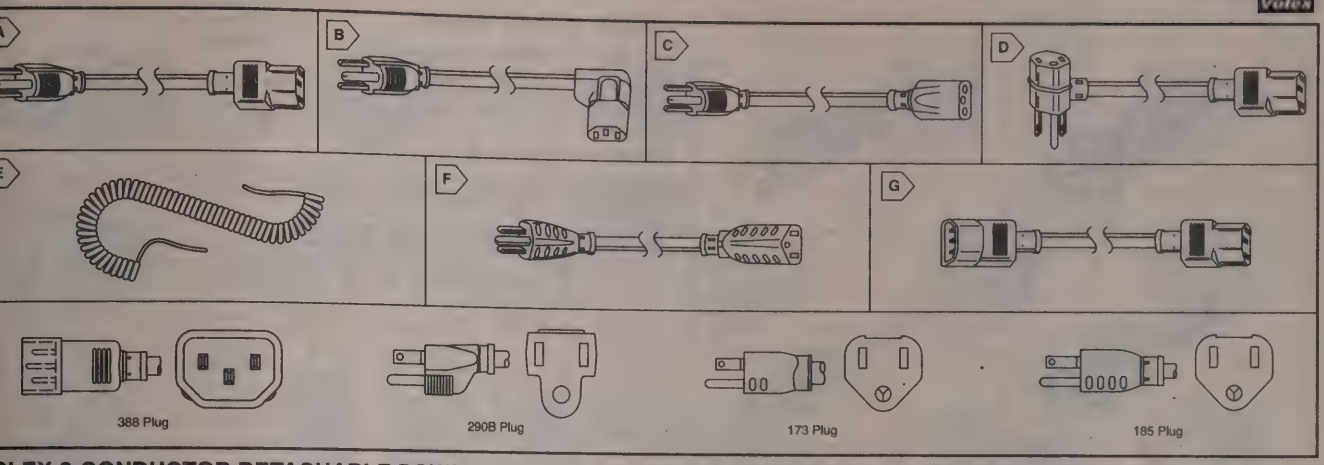
VOLEX REPLACEMENT CORD FOR LAPTOP COMPUTERS

- Designed to work with Dell, Compaq, and IBM laptop Computers. 18 AWG, 3 Conductor

MOUSER STOCK NO.	Volex Part No.	Nominal O.D.	Length	Rating	Price Each 1	Price Each 25
686-17036	17036	0.144"x0.280"	6	125 V/2.5 A	3.05	2.7
686-17037	17037	0.144"x0.280"	10'	125 V/2.5 A	4.23	3.8

MOUSER ELECTRONICS a ttl company (800) 346-6873

VOLEX Power Cords and Retractile Cords



388 Plug

290B Plug

173 Plug

185 Plug

OLEX 3-CONDUCTOR DETACHABLE POWER UPPLY CORDS

mperature: 60° C; 125V
ternational Color Coding

l Shielded, PVC Jacketed

* 105C

OUSER OCK NO.	Volex Part No.	Fig.	AWG (Stranding)	Length	Rating	Plug	Conn.	Cord	Price Each
6-17600	17600	A	18 (41x34)	6' 7"	1250 W/10 A	185	386A	SJT	10.81
6-17601	17601	A	18 (41x34)	9' 10"	1250 W/10 A	185	386A	SJT	7.62
6-17602	17602	A	16 (65x34)	6' 7"	1625 W/13 A	290B	386E	SJT	11.92
6-17603	17603	A	16 (65x34)	9' 10"	1625 W/13 A	290B	386E	SJT	13.95
6-17604	17604	A	14 (41x30)	6' 7"	1875 W/15 A	173	386E	SJT	12.68
6-17605	17605	A	14 (41x30)	9' 10"	1875 W/15 A	173	386E	SJT	16.19
6-17725 *	17725	A	18 (41x34)	6' 7"	1250 W/10 A	290B	386A	SVT	5.88
6-17742	17742	A	18 (41x34)	6' 7"	1250 W/10 A	290B	386A	SVT	5.88
6-17743	17743	A	18 (41x34)	9' 10"	1250 W/10 A	290B	386A	SVT	11.16

l and Braid Shielded, PVC Jacketed

6-17660	17660	A	18 (41x34)	6' 7"	1250 W/10 A	290B	386A	SVT	14.97
6-17661	17661	A	18 (41x34)	9' 10"	1250 W/10 A	290B	386A	SVT	18.19

ht Angle, Foil Shielded, PVC Jacketed

6-17606	17606	B	18 (41x34)	6' 7"	1250 W/10 A	290B	PH910	SJT	10.52
6-17607	17607	B	18 (41x34)	9' 10"	1250 W/10 A	290B	PH910	SJT	12.62
6-17608	17608	B	16 (65x34)	6' 7"	1625 W/13 A	185	PH910	SJT	12.04
6-17609	17609	B	16 (65x34)	9' 10"	1625 W/13 A	185	PH910	SJT	14.43
6-17745	17745	B	18 (41x34)	6' 7"	1250 W/10 A	290B	PH910	SVT	10.87
6-17746	17746	B	18 (41x34)	9' 10"	1250 W/10 A	290B	PH910	SVT	11.97

T Cord Unshielded, Gray PVC Jacketed

OUSER OCK NO.	Volex Part No.	Fig.	AWG (Stranding)	Norm. O.D.	Length	Rating	Plug	Conn.	Price Each
86-17952	17952*	C	18 (41x34)	0.246"	8'	875 W/7 A	290B	PH-163	8.23
86-17280	17280	C	18 (41x34)	0.246"	7 1/2'	875 W/7 A	290B	PH-163	7.92

his cord is for replacement only and is not intended for new original equipment.

d-A-Line - SJT Cord Unshielded, Black PVC Jacketed

86-17462	17462*	D	16 (26x30)	0.340"	8'	1625 W/13 A	AEC-50	AEC-210	10.49
86-17463	17463	D	16 (26x30)	0.340"	15'	1625 W/13 A	AEC-50	AEC-210	14.98

d-A-Line - Foil Shielded, PVC Jacketed

86-17666	17666	D	18 (41x34)	0.253"	6' 7"	1250 W/10 A	745	386A	12.62
86-17667	17667	D	18 (41x34)	0.253"	9' 10"	1250 W/10 A	745	386A	11.40

OLEX KEYBOARD RETRACTILE CABLE

nned stranded copper conductors
AWG, 7 conductor
65 UL recognized 2464 300 V 80°C
93 UL recognized 20197 30 V 60°C

- Conductor Color Code: Black, white, red, green, brown, blue and orange
- 100% overall aluminum-polyester shield plus 90% coverage tinned copper shield 8" straight portion on one end and 24" straight portion on the other end

OUSER OCK NO.	Volex Part No.	Fig.	Retracted Length	Extend. Length	Norm. O.D.	Jacket Type	Price Each 1	Price Each 10
-9665	9665	E	14.5"	6'	0.250"	Black, PVC	19.96	18.08
-9693	9693	E	14.5"	6'	0.200"	Black, Polyurethane	19.38	17.62

VOLEX 3-CONDUCTOR DETACHABLE CORD

Unshielded, PVC Jacketed

* Rated 105°C; passes VW-1 vertical wire flame test.

MOUSER STOCK NO.	Volex Part No.	Fig.	AWG (Stranding)	Length	Rating	Plug	Conn.	Cord	Price Each
686-17249	17249	A	18 (41x34)	6'	1250 W/10 A	290B	386	SVT	2.95
686-17250	17250	A	18 (41x34)	7' 6"	1250 W/10 A	290B	386	SVT	3.88
686-17251	17251	A	18 (41x34)	7' 6"	1250 W/10 A	290B	386	SVT	3.88
686-17500	17500	A	18 (41x34)	6' 7"	1250 W/10 A	290B	386A	SJT	4.06
686-17501	17501	A	18 (41x34)	9' 10"	1250 W/10 A	290B	386A	SJT	5.35
686-17000A	17000A	A	18 (41x34)	3'	1250 W/10 A	290B	386	SVT	4.04
686-17002A	17002A	A	18 (41x34)	1' 6"	1250 W/10 A	290B	386A	SVT	3.47
686-17001A	17001A	A	16 (26x30)	3'	1625 W/13 A	290B	386E	SJT	5.15
686-17502	17502	A	16 (26x30)	6' 7"	1625 W/13 A	290B	386E	SJT	7.10
686-17255	17255	A	16 (26x30)	7' 6"	1625 W/13 A	290B	386E	SJT	7.10
686-17503	17503	A	16 (26x30)	9' 10"	1625 W/13 A	290B	386E	SJT	8.16
686-17504	17504	A	14 (41x30)	6' 7"	1875 W/15 A	173	386E	SJT	6.28
*686-17757	17757	A	18 (41x34)	7' 6"	1250 W/10 A	290B	386A	SVT	4.44
*686-17758	17758	A	18 (41x34)	6' 7"	1250 W/10 A	290B	386A	SJT	6.80

Right Angle, Unshielded, PVC Jacketed

686-17506	17506	B	18 (41x34)	6' 7"	1250 W/10 A	290B	910	SJT	5.64
686-17507	17507	B	18 (41x34)	9' 10"	1250 W/10 A	290B	910	SJT	7.86
686-17508	17508	B	16 (26x30)	6' 7"	1625 W/13 A	290B	910	SJT	7.10
686-17509	17509	B	16 (26x30)	9' 10"	1625 W/13 A	290B	910	SJT	8.64

VOLEX SJ CORD UNSHIELDED, BLACK PVC JACKETED

MOUSER STOCK NO.	Volex Part No.	Fig.	AWG (Stranding)	Norm. O.D.	Length	Rating	Plug	Conn.	Price Each
686-17461	17461	F	16 (26x30)	0.340"	10'	1625 W/13 A	290B	108	12.04

VOLEX JUMPER CORDS

- Rated 60°C, 125V

MOUSER STOCK NO.	Volex Part No.	Fig.	AWG (Stranding)	Length	Rating	Plug	Conn.	Cord	Price Each
Foil Shielded									
686-17625	17625	G	16 (65x34)	3' 3"	1625 W/13 A	388B	386E	SJT	9.10
686-17753	17753	G	18 (41x34)	3' 3"	1250 W/10 A	388A	386A	SVT	7.93
Unshielded									
686-17524	17524	G	18 (41x34)	3' 3"	1250 W/10 A	388A	386A	SJT	4.98
686-17525	17525	G	16 (26x30)	3' 3"	1625 W/13 A	388B	386E	SJT	6.16

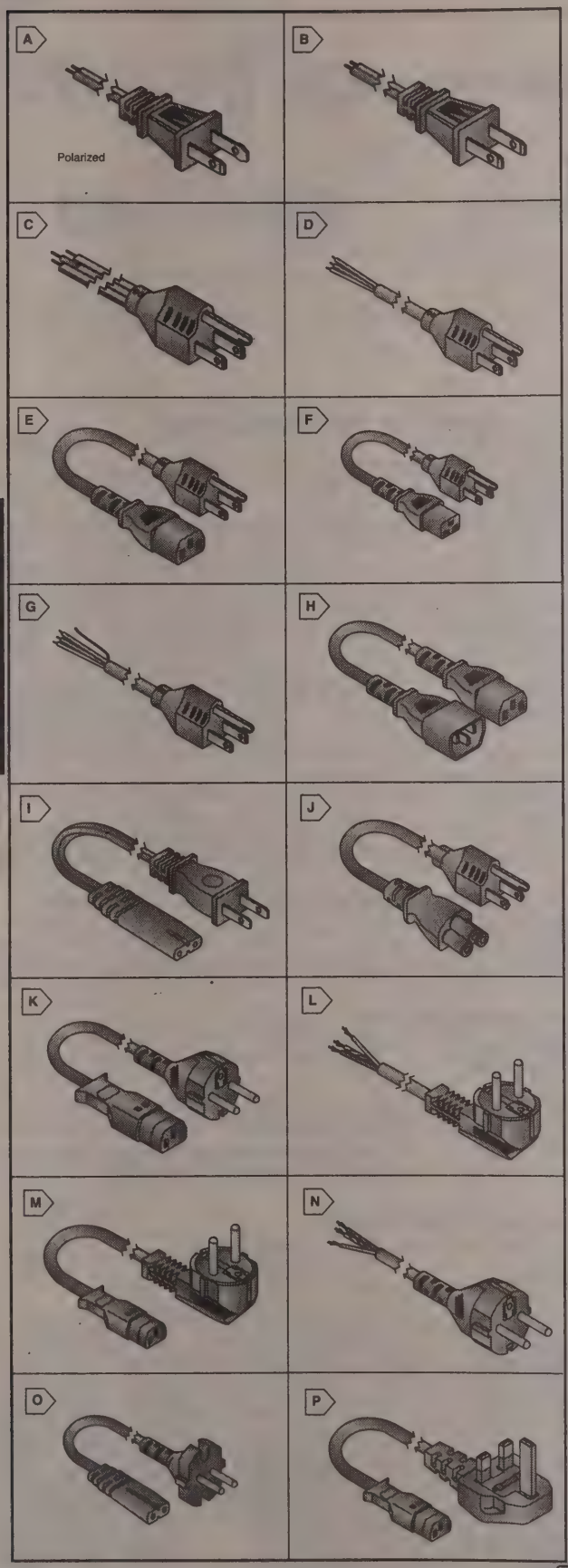
VOLEX RETRACTILE CORDS

- Bare copper, rubber insulated, cabled with fillers
- Paper tape wrap
- Black neoprene jacket
- 12" straight portion on each end (except 6" straight portion on 8601, 8603, 8415 and 8409)
- Jacket removed 11/2" each end
- Voltage Rating: 300 V
- UL 62 flex cord and fixture wire
- UL listed and CSA certified
- Conductor Color Code: White, black, green and red

* Tinned copper, nylon insulated with each end cut blunt

MOUSER STOCK NO.	Volex Part No.	Fig	Retracted Length	Extend. Length	No. of Conductors	AWG (Stranding)	Price Each 1	Price Each 10
686-8601	8601	E	12"	6'	2	18 (42x34)	13.26	11.91
686-9476	9476	E	24"	12'	2	18 (42x34)	22.20	20.08
686-9477	9477	E	48"	25'	2	18 (42x34)	32.17	29.18
686-9478	9478	E	24"	12'	3	18 (42x34)	26.30	23.95
686-9479	9479	E	48"	25'	3	18 (42x34)	44.61	40.50
686-8415	8415	E	11"	6'	4	23 (21x36)	21.21	19.25
686-8409	8409 *	E	12"	6'	4	28 (7x36)	12.57	11.22
686-9482	9482	E	24"	12'	4	18 (42x34)	34.34	31.23
686-9483	9483	E	48"	25'	4	18 (42x34)	58.69	53.41
686-8603	8603	E	12"	6'	3	16 (65x34)	18.78	17.08
686-9484	9484	E	24"	12'	3	16 (65x34)	31.10	28.41
686-9485	9485	E	48"	25'	3	16 (65x34)	50.89	46.38

KOBICONN AC Power Cords



POWER SUPPLY CORDS

Both two and three conductors types are offered in 6', 7 1/2', 8', and 10' lengths with molded, low profile, crush resistant, NEMA 1-15P or 5-15P plugs. 18 AWG types are rated 125V, 1250 watts. 16 AWG type is rated 125V, 1625 watts. 14 AWG type is rated 125V, 1875 watts. All are UL listed and CSA certified.

Specifications:
- Temperature: 60°C
- Rated: AWG 18 16 14 / Watts 1250 1625 1875

Features:
- Economical and efficient
- Mechanical performance meets OEM requirement
- Excellent resistance to abrasion and blade wear requirements

Two and Three Conductor Types

MOUSER STOCK NO.	Fig.	Replaces Volex#	Size	Type	Rating @ 125V (A)	Length	Color	Price Each 1	10	100	500	10
Two Conductor Types, NEMA 1-15P Plug												
173-11112	A	- - -	18/2	SPT-1	10	6'	Black	1.14	.83	.78	.74	
173-11113	A	- - -	18/2	SPT-1	10	10'	Black	1.52	1.17	1.06	.97	
173-11115	A	- - -	18/2	SPT-1	10	6'	White	1.14	.83	.78	.74	
173-11116	A	- - -	18/2	SPT-1	10	10'	White	1.52	1.17	1.06	.97	C
173-11102	B	- - -	18/2	SPT-1	10	6'	Black	1.14	.83	.78	.74	
173-11121	B	- - -	18/2	SPT-1	10	10'	Black	1.52	1.17	1.06	.97	f
173-11125	B	- - -	18/2	SPT-1	10	15'	Black	1.97	1.64	1.49	1.36	
173-11123	B	- - -	18/2	SPT-1	10	6'	Brown	1.14	.83	.78	.74	Qu
173-11124	B	- - -	18/2	SPT-1	10	10'	Brown	1.52	1.17	1.06	.97	
173-31102	B	- - -	18/2	SPT-2	10	6'	Black	1.17	1.11	1.05	.99	
173-31103	B	- - -	18/2	SPT-2	10	10'	Black	1.79	1.49	1.35	1.23	
Three Conductor Types, NEMA 5-15P Plug												
173-33121	C	- - -	18/3	SPT-2	10	6'	Gray	2.33	1.94	1.76	1.61	
173-33122	C	- - -	18/3	SPT-2	10	10'	Gray	2.86	2.39	2.18	1.98	
173-33101	C	- - -	18/3	SPT-2	10	6'	Black	2.33	1.94	1.76	1.61	
173-33102	C	- - -	18/3	SPT-2	10	10'	Black	2.88	2.39	2.18	1.98	
173-53101	D	17237	18/3	SVT	10	6'	Black	2.45	1.99	1.81	1.65	
173-53103	D	- - -	18/3	SVT	10	10'	Black	3.09	2.57	2.34	2.13	
173-53102	D	17239	18/3	SVT	10	8'	Black	2.75	2.29	1.97	1.79	
173-53121	D	176237	18/3	SVT	10	6'	Gray	2.45	1.99	1.81	1.65	
173-53122	D	- - -	18/3	SVT	10	10'	Gray	3.09	2.57	2.34	2.13	
173-73101	D	17405	18/3	SJT	10	6'	Black	2.79	2.24	1.99	1.68	
173-73103	D	- - -	18/3	SJT	10	10'	Black	3.64	2.99	2.78	2.55	
173-73102	D	17407	18/3	SJT	10	8'	Black	3.39	2.72	2.41	2.21	
173-75102	D	- - -	16/3	SJT	13	8'	Black	3.89	3.25	2.95	2.49	
173-75103	D	- - -	16/3	SJT	13	10'	Black	3.95	3.29	2.96	2.49	
173-78101	D	- - -	14/3	SJT	15	6'	Black	4.33	3.59	3.27	2.94	
173-78102	D	- - -	14/3	SJT	15	10'	Black	5.56	5.06	4.59	4.18	
Three Conductor Detachable AC Cord Set, NEMA 5-15P Plug												
173-63101	E	17250	18/3	SVT	10	7'6"	Black	3.15	2.56	2.19	1.99	
173-63102	E	- - -	18/3	SVT	10	8'	Black	3.22	2.75	2.47	2.27	C
173-63103	E	- - -	18/3	SVT	10	10'	Black	4.37	2.79	2.29	1.89	f
173-63121	E	17250	18/3	SVT	10	7'6"	Gray	3.15	2.56	2.19	1.99	Qu
173-63122	E	- - -	18/3	SVT	10	10'	Gray	4.37	2.79	2.29	1.89	
173-1218	F	- - -	14/3	SJT	15	6'6"	Black	6.32	5.75	5.22	4.75	

SHIELDED POWER CORDS

Control the error-generating effects of ambient electrical interference.

- Low profile molded plug
- Color: black
- 100% foil shield
- Color code: CEE
- Drain wire terminated to ground pin of plug
- High stranding for extended flexibility

*Designed for use with the Cincon TR45 and TR70 Series table top power supplies.

NEMA 5-15P

MOUSER STOCK NO.	Fig.	Replaces Volex#	AWG Strand	UL Type	Voltage Rating	Length	Price Each 1	10	100	500	1
Three Conductor Shielded											
173-53100	G	17740	18/3 41/34	SVT	300V	6' 7"	3.70	3.08	2.80	2.51	
173-53110	G	- - -	18/3 41/34	SVT	300V	10'	4.52	3.75	3.43	3.12	C
*173-0602	E	17725	18/3 41/34	SVT	125VAC/10A	6' 7"	4.09	3.41	3.10	2.82	f
*173-0621	E	- - -	18/3 41/34	SVT	125VAC/10A	10'	4.53	3.78	3.43	3.12	Qu
173-0603	H	17753	18/3 41/34	SVT	125VAC/10A	3' 3"	3.70	3.08	2.80	2.51	
Double Shielded Braid and Foil											
*173-0601	E	17660	18/3 41/34	SVT	125VAC/10A	6' 7"	5.66	4.72	4.29	3.90	C

LAPTOP / POWER SUPPLY CORDS

Can be used with many laptop power supplies.

*Designed for use with the Phihong PSA-15W Series and Cincon TR36 table top power supplies.

MOUSER STOCK NO.	Fig.	Size	Type	Length	Color	Price Each 1	10	100	500	1
*173-21101	I	.75mm2/2	VFF	6'	Black	3.65	3.20	2.75	2.50	
*173-21112	I	.75mm2/2	VFF	10'	Black	3.99	3.36	2.99	2.77	C
173-21103	J	3 conductor 18 AWG	SVT	6'	Black	3.37	2.81	2.55	2.32	f
173-21113	J	3 conductor 18 AWG	SVT	10'	Black	3.94	3.27	2.98	2.71	Qu
*173-21102	I	2 conductor 18 AWG	SPT-2	6'	Black	2.55	2.09	1.93	1.76	
*173-21114	I	2 conductor 18 AWG	SPT-2	10'	Black	3.08	2.56	2.33	2.12	

INTERNATIONAL POWER CORDS

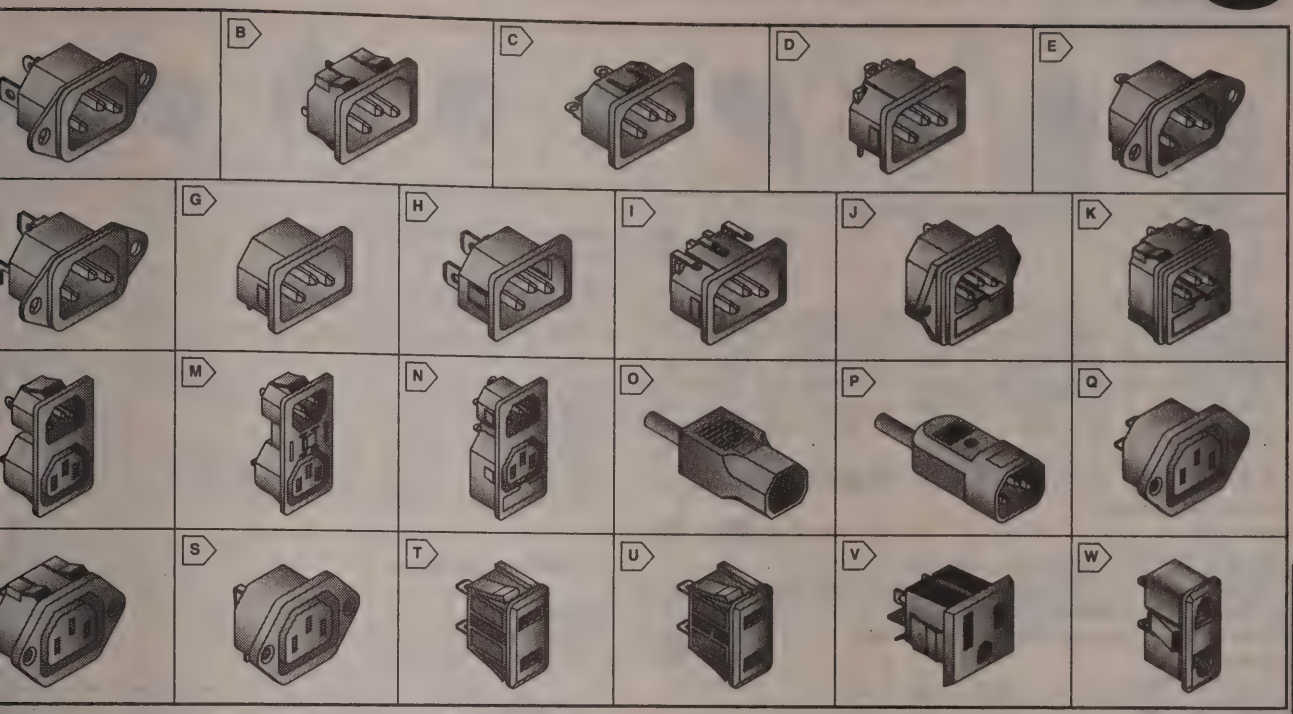
*

MOUSER STOCK NO.	Fig.	Replaces Volex#	Cord Type	Rating @ 250V (A)	Length (Meters)	Color	Price Each 1	10	100	500	1
Continental Europe, Conductors: 3 x 1.00(mm2)											
173-4002	K	17811	HO5VV-F	10	2.5	Black	4.25	3.87	3.52	3.20	
173-6003	L	17811	HO5VV-F	10	2.5	Black	3.60	3.25	2.96	2.69	C
173-7001	M	2125H	HO5VV-F	10	2.5	Black	4.25	3.87	3.52	3.23	f
173-6004	N	17801	HO5VV-F	10	2.5	Black	3.60	3.25	2.96	2.69	Qu
173-10313	O	- - - -	HO3VVH2-F	2.5	2.0	Black	2.80	2.34	2.12	1.93	
United Kingdom, Conductors: 3 x 1.00(mm2)											
*173-0002	P	17965	HO5VV-F	10	2.5	Black	7.42	6.15	4.25	3.91	C

MOUSER ELECTRONICS a tti company (800) 346-6873

KOBICONN AC Inlets and Outlets

KOBICONN



on Features:
ed • Fuse Not Included

† UL, CAS, VDE, SEMKO, DEMKO, NEMKO, FIMKO
* VDE, SEMKO, NEMKO, DEMKO, FIMKO
** UL, CUL, VDE, SEMKO, DEMKO
*** UL, CUL

60320 C14 INLETS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Rating	Insulation Resistance	Mounting Type	Body Material	Price Each 1	10	100	500
61-R30148	R-301(48)	A	10A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	Black Glass-Fiber Thermoplastic UL 94V-0	2.34	2.13	1.64	1.26
61-R301SN	R-301SN (00)	B	15A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	Nylon 66 UL 94V-0	.79	.72	.55	.42
61-R301SN01	R-301SN(01)	C	10A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	Nylon 66 UL 94V-0	1.11	1.01	.78	.60
61-R301SN13	R-301SN(13)	D	10A 250VAC	Over 100MΩ at 500VDC	Snap On/PCB	Nylon 66 UL 94V-0	1.84	1.53	1.39	1.26
61-R3019013	R-30190(11)	E	10A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	Black Glass-Fiber Thermoplastic UL 94V-0	1.18	1.07	.82	.63
61-R301B07	R-301(B07)	F	10A 250VAC	Over 100MΩ at 500VDC	Snap On/PCB	Black Glass-Fiber Thermoplastic UL 94V-0	1.11	1.01	.78	.60
61-R301SNC01	R-301SN(C01)	G	10A 250VAC	Over 100MΩ at 500VDC	Snap On/PCB	Black Glass-Fiber Nylon 66 94V-0	1.18	1.07	.82	.63
61-R301SNC04	R-301SN(C04)	H	10A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	Black Glass-Fiber Nylon 66 94V-0	.95	.86	.66	.51
61-R301SN95	R-301-SN(C134)	I	10A 250VAC	Over 100MΩ at 500VDC	Snap On/Solder	Black Glass-Fiber Nylon 66 94V-0	1.34	1.22	.94	.72

TS WITH FUSE HOLDERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Rating	Insulation Resistance	Mounting Type	Body Material	Price Each 1	10	100	500
61-R3013	R-3013	J	10A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	P.B.T. 94V-0	2.09	1.74	1.58	1.44
61-R3014	R-3014	K	10A 250VAC	Over 100MΩ at 500VDC	Snap On/Solder	Nylon 66 UL 94V-0	2.09	1.74	1.58	1.44

TS / OUTLETS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Rating	Insulation Resistance	Mounting Type	Body Material	Price Each 1	10	100	500
61-R3012	R-3012	L	10A 250VAC	Over 100MΩ at 500VDC	Snap On/Solder	Nylon 66 UL 94V-0	2.05	1.71	1.55	1.41
61-R3012S	R-3012S	M	10A 250VAC	Over 100MΩ at 500VDC	Snap On/Solder	Nylon 66 UL 94V-0	4.58	4.16	3.20	2.46
61-R3014G21	R-3014G21(05)	N	10A 250VAC	Over 100MΩ at 500VDC	Snap On/Solder	Black Glass-Fiber	2.97	2.70	2.08	1.60

LE SOCKET INLETS / OUTLETS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Rating	Insulation Resistance	Mounting Type	Body Material	Price Each 1	10	100	500
61-R332	R-332	O	10A 250VAC	Over 100MΩ at 500VDC	3 Wire Plug	Thermoplastic UL 94V-0	3.01	2.74	2.11	1.62
61-R331	R-331	P	10A 250VAC	Over 100MΩ at 500VDC	3 Wire Plug	Thermoplastic UL 94V-0	3.01	2.74	2.11	1.62

60320 C13 OUTLETS

For quantities of 1000 and up, call for quote.

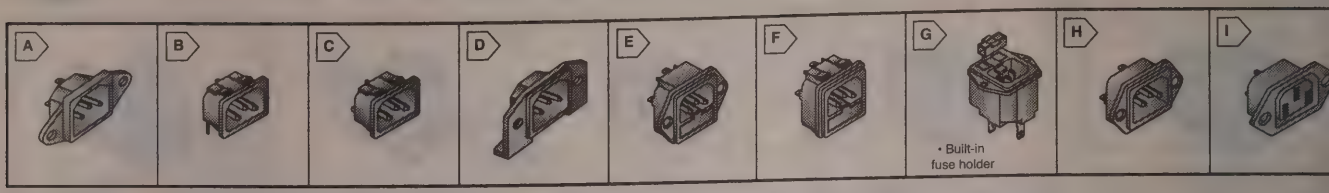
MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Rating	Insulation Resistance	Mounting Type	Body Material	Price Each 1	10	100	500
61-R30200	R-302(00)	Q	10A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	P.B.T. 94V-0	.83	.69	.63	.57
61-R302SN	R-302SN(00)	R	10A 250VAC	Over 100MΩ at 500VDC	Snap/Solder	Nylon 66 UL 94V-0	.79	.72	.55	.42
61-R30201	R-302(01)	S	10A 250VAC	Over 100MΩ at 500VDC	Screw/PCB	P.B.T. 94V-0	1.11	1.01	.78	.60

A OUTLETS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Rating	Insulation Resistance	Mounting Type	Body Material	Price Each 1	10	100	500
161-RU0298	RU-02(98)	T	15A 125VAC	Over 100MΩ at 500VDC	Snap/Solder	Nylon 66 UL 94V-0	.79	.72	.55	.42
161-RU0299	RU-02(99)	U	15A 125VAC	Over 100MΩ at 500VDC	Snap/Solder	Nylon 66 UL 94V-0	.79	.72	.55	.42
161-RU0200	RU-02(00)	V	15A 125VAC	Over 100MΩ at 500VDC	Snap/Solder	Nylon 66 UL 94V-0	.79	.72	.55	.42
161-RU0297	RU-02(97)	W	15A 125VAC	Over 100MΩ at 500VDC	Snap/Solder	Nylon 66 UL 94V-0	1.56	1.42	1.09	.84

AC Plugs, Receptacles, and Connectors



KOBICONN AC POWER INLETS / OUTLETS

AC Power Inlets

†, * E94191(S)

Specifications:

- Current rating: 15A/250VAC
- Approvals: UL, CSA, VDE, SEV, SEMKO, NEMKO, DEMKO, SETI
- Temperature rating: 65°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Terminal Type	Price Each 1	10	100
*161-0707-1	A	Screw mount	Solder tab	.74	.62	.56
*161-0707-1-187	A	Screw mount	Solder tab / .187" faston	.74	.62	.56
*161-0707-1-250	A	Screw mount	.250" faston	.78	.65	.59
†161-0711-2	B	PCB mount	PC	.78	.65	.59
†161-0711-250	C	Snap-in mount	.250" faston	.78	.65	.59
†161-0711-PQA	C	Snap-in mount	Solder tab / .187" faston	.74	.62	.56

PC Board AC Power Inlet

Specifications:

- Current rating: 15A/250VAC
- Approvals: UL, CSA, VDE, SEV, SEMKO, NEMKO, DEMKO, SETI
- Temperature rating: 65°C

For quantities of 500 and up, call for quote.

161-0714-7	D	Screw mount	PC	1.04	.87	.79

IEC 320 AC Power Inlets with Miniature Fuse Holder

E122965(S)

Specifications:

- Current rating: 10A/250VAC
- Approvals: UL, CSA, VDE, SEV, SEMKO, NEMKO, DEMKO, SETI
- Temperature rating: 65°C
- Accepts 5 x 20mm fuses

For quantities of 500 and up, call for quote.

161-0717-187	E	Screw mount	Solder tab / .187" faston	2.09	1.74	1.58
161-0717-1-187	F	Snap-in mount	Solder tab / .187" faston	2.09	1.74	1.58

NEMA 5-15R, Screw Mount AC Power Inlets

Features:

- Mates to standard CEE-22 cord set
- Receptacles: IEC rated and approved for use in Europe
- Mates with detachable power cord sets 173-63101, 173-63102, 173-63121, 557-63122, 515-04515, 515-0485
- Mates to Belden 17250, 17251 power cords
- 16PJ522 fused receptacle accepts up to 6 amp midget fuse (5 x 20mm)

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Fig.	Rating	Description	Price Each 1	10	10
16PJ522	G	10A/250V	Fused w/ solder lug term.	3.77	3.14	2.
161-3516	H	15A/250V	Standard with solder lug term.	1.41	1.08	.
16PJ152	H	15A/250V	Standard with .187" faston term.	1.59	1.24	1.
16PJ153	H	15A/250V	Standard with .250" faston term.	1.59	1.24	1.

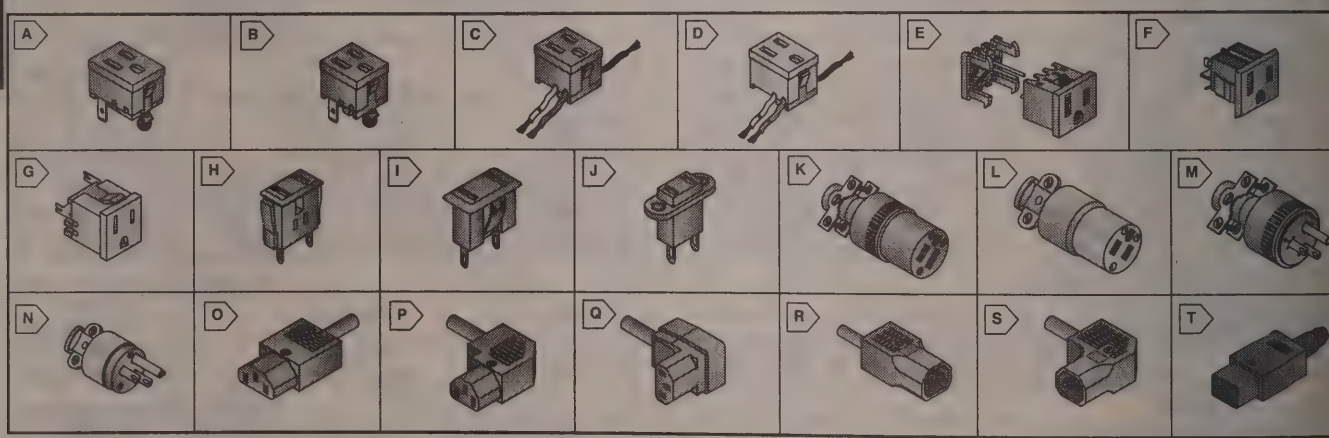
IEC 320 AC Power Outlets

Specifications:

- Current rating: UL, CSA, VDE 10A / 250
- Approvals: UL, CSA, VDE, SEV, SEMKO
- Temperature rating: 65°C

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Fig.	Rating	Mounting Type	Terminal Type	Price Each 1	10	10
161-0708-1	I	10A/250V	Screw mount	Solder tab	.83	.69	



AC RECEPTACLES

†, * UL Listed

Note: All 2 conductor receptacles are non-polarized unless otherwise noted.

Snap-In Mount

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Fits Panel Thickness	Price Each 1	10
5160-67BK	A	3 conductor polarized w/ground, black plastic	.031-.070	1.68	1.56
*5160-67W	A	3 conductor polarized w/ground, white plastic	.031-.070	1.68	1.56
*5160-49BK	B	Midget, polarized, black plastic	.031-.070	1.65	1.49
*5160-49W	B	Midget, polarized, white plastic	.031-.070	1.65	1.49
*5160-49-2BK	C	Midget, polarized, heavy wire leads, black plastic	.031-.070	2.58	2.45
*5160-49-2W	C	Midget, polarized, heavy wire leads, white plastic	.031-.070	2.58	2.45
*5160-67-2W	D	2-6" #14AWG conductor w/ 1-6" #16AWG ground	.031-.070	4.06	3.65
†161-0710-12	E	15A/125VAC, 3 cond. w/ground, v-slot, .205" faston	.039-.063	1.04	.87
†161-0709	F	15A/125VAC, 3 cond. w/grd, solder tab, .187" faston	.039-.063	.70	.58
†5160-49-8BK	G	3 conductor w/ground, v-slot, black	.031-.070	.95	.90
†161-0715	H	15A/125VAC, 2 conductor, polarized	.031-.059	.94	.72
15AC037	H	15A/125VAC,2 conductor, polarized	.031-.047	.94	.72
15AC022	I	6A/125VAC, black plastic	.039-.063	1.05	.88

Screw Mount

*15AC021	J	15A/125VAC	2 conductor, black plastic	.82	.63

Cable Mount

For quantities of 100 and up, call for quote.

*5160-222	K	.600" cord size, rubber, 3 conductor grounded, polarized, black	6.93	6.58
*5160-2887	L	.25 to .625 cord diameter, 3 conductor grounded	6.81	6.47

AC PLUGS, CABLE MOUNT

For quantities of 100 and up, call for q

MOUSER STOCK NO.	Fig.	Description	Price Each 1	
*5160-1709	M	3 cond. grounded, .600" cord size, rubber w/cord clamp, black	4.70	4
*5160-2867	N	3 cond. grnd, .685" cord, yell. vinyl w/armored cap & cord clamp	4.83	4

BULGIN AC CONNECTORS

- Nylon UL 94V0, screw terminals

For quantities of 50 and up, call for q

MOUSER STOCK NO.	Fig.	Rating	Description	Price Eac 1	
161-PX0587	O	10A/250VAC	3 wire socket	2.59	2
161-PX0587/SE	P	10A/250VAC	3 wire socket right angle	3.08	2
161-PX0588	Q	10A/250VAC	3 wire socket	3.46	3
161-PX0597	O	10A/250VAC	3 wire socket hot cond.	2.95	2
171-PX0686	R	10A/250VAC	3 wire plug	2.81	2
171-PX0686/SE	S	10A/250VAC	3 wire plug right angle	2.81	2
161-PX0599	T	20A/250VAC	3 wire C19 socket	5.71	5

C 320-1 FUSED POWER INLETS

MM Single Fuse 10A 250VAC

n for spare fuse • Fuses sold Separately

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each 1	25	50	100
PF0001/28	PF0001/28	A	Chassis mount 2.8mm solder tab	2.17	1.99	1.77	1.48
PF0001/63	PF0001/63	A	Chassis mount 6.3mm faston tab	2.21	2.03	1.80	1.50
PF0011/10/28	PF0011/10/28	B	Snap-in fit, 2.8mm solder tabs, 1mm panel thickness	2.15	1.97	1.75	1.46
PF0011/15/28	PF0011/15/28	B	Snap-in fit, 2.8mm solder tabs, 1.5mm panel thickness	2.15	1.97	1.75	1.46
PF0011/10/63	PF0011/10/63	B	Snap-in fit, 6.3mm faston tabs, 1mm panel thickness	2.19	2.01	1.79	1.49
PF0011/15/63	PF0011/15/63	B	Snap-in fit, 6.3mm faston tabs, 1.5mm panel thickness	2.19	2.01	1.79	1.49

Fused 10A 250VAC

For quantities of 250 and up, call for quote.

PF0030/28	PF0030/28	C	Chassis mount, 2.8mm solder tabs	3.00	2.76	2.45	2.05
PF0030/63	PF0030/63	C	Chassis mount, 6.3mm faston tabs	3.04	2.79	2.48	2.07
PF0033/15/28	PF0033/15/28	D	Snap-in fit, 2.8mm solder tabs, 1.5mm panel thickness	2.97	2.72	2.42	2.02
PF0033/15/63	PF0033/15/63	D	Snap-in fit, 6.3mm faston tabs, 1.5mm panel thickness	3.00	2.76	2.45	2.05

C 320-1 POWER INLETS

250VAC, UL and CSA

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each 1	25	50	100
PX0575/10/28	PX0575/10/28	E	Snap-in fit, 2.8mm solder tabs, 1mm panel thickness	1.18	1.08	.96	.80
PX0575/15/28	PX0575/15/28	E	Snap-in fit, 2.8mm solder tabs, 1.5mm panel thickness	1.18	1.08	.96	.80
PX0575/10/63	PX0575/10/63	E	Snap-in fit, 6.3mm faston tabs, 1mm panel thickness	1.22	1.12	.99	.83
PX0575/15/63	PX0575/15/63	E	Snap-in fit, 6.3mm faston tabs, 1.5mm panel thickness	1.22	1.12	.99	.83
PX0580/28	PX0580/28	F	Chassis mount, 2.8mm solder tabs	1.22	1.12	.99	.83
PX0580/63	PX0580/63	F	Chassis mount, 6.3mm faston tabs	1.22	1.12	.99	.83
PX0580/PC	PX0580/PC	G	PC mount	1.31	1.21	1.07	.89

C 320-1 C20 POWER INLETS

250VAC, UL and CSA

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each 1	25	50	100
PX0596/63	PX0596/63	H	C20 Chassis mount, 6.3mm faston	1.79	1.64	1.46	1.22
PX0598/15/63	PX0598/15/63	I	C20 Snap-in fit, 6.3mm faston, 1.5mm panel thickness	1.79	1.64	1.46	1.22

C 320-2-2 POWER OUTLETS

250VAC, UL and CSA

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each 1	25	50	100
PX0675/28	PX0675/28	J	Chassis mount, 2.8mm solder tabs	1.27	1.16	1.03	.86
PX0675/63	PX0675/63	J	Chassis mount, 6.3mm faston tabs	1.27	1.16	1.03	.86
PX0675/PC	PX0675/PC	K	PC mount	1.31	1.20	1.07	.89

C 320-2-2 POWER OUTLETS

250VAC, UL and CSA

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each 1	25	50	100
PX0695/15/28	PX0695/15/28	L	Snap-in fit, 2.8mm solder tabs, 1.5mm panel thickness	1.27	1.16	1.03	.86
PX0695/15/63	PX0695/15/63	L	Snap-in fit, 6.3mm faston tabs, 1.5mm panel thickness	1.27	1.16	1.03	.86

4 IEC 320-1 FUSED INLETS

es sold Separately

cal Module Arrangement 10A, 250VAC

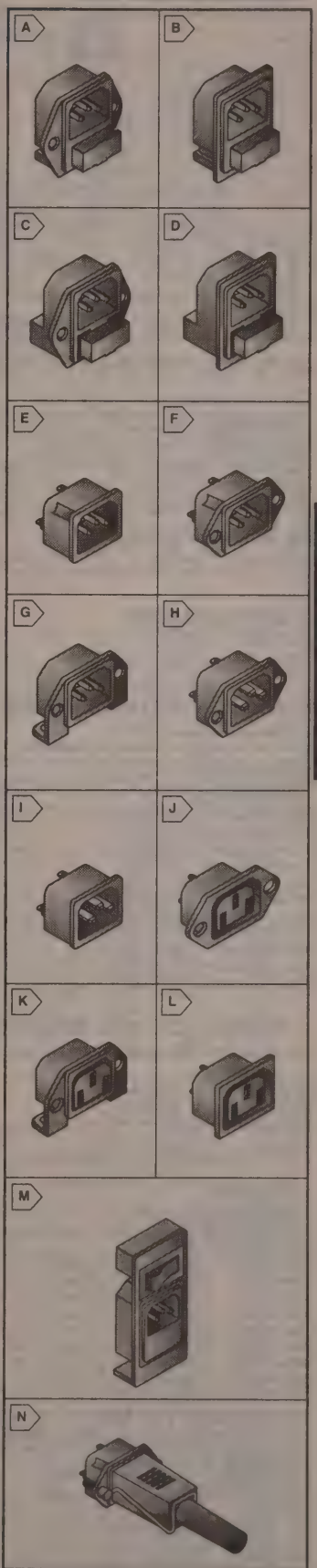
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each 1	25	50	100
BZV01/Z0000/01	BZV01/Z0000/01	M	Snap-in fit, SP switch, 6.3mm faston tabs	5.06	4.65	4.13	3.45
BZV01/Z0000/02	BZV01/Z0000/02	M	Snap-in fit, SP red neon switch, 6.3mm faston tabs	7.34	6.74	5.99	5.00
BZV01/Z0000/10	BZV01/Z0000/10	M	Snap-in fit, DP switch, 6.3mm faston tabs	5.63	5.17	4.60	3.84
BZV01/Z0000/11	BZV01/Z0000/11	M	Snap-in fit, DP red neon switch, 6.3mm faston tabs	7.91	7.27	6.46	5.39

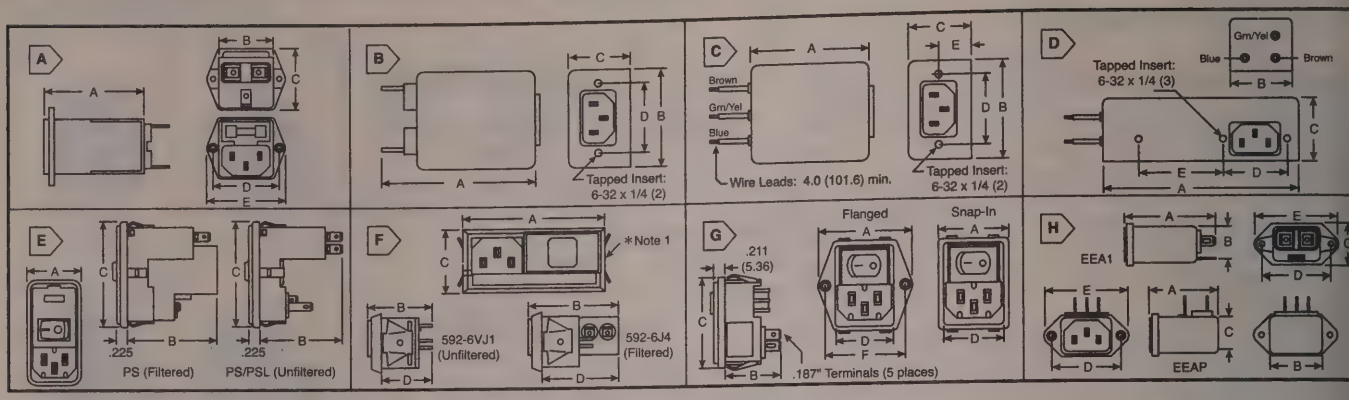
ining Clip Kit

For quantities of 250 and up, call for quote.

OUSER CK NO.	Bulgin Part No.	Fig.	Description	Price Each 1	25	50	100
KT0006	KT0006	N	Fits Bulgin PX0580, PX0590, PX0675, PX0690, PX0793, & PX0739/1	2.05	1.89	1.68	1.40
KT0012	KT0012	N	Fits Bulgin PX0596	4.56	4.19	3.73	3.11



CORCOM Power Entry Modules



GG SERIES POWER-ENTRY MODULE WITH METRIC FUSE HOLDER

* 5 x 20mm fuse not included

For quantities greater than listed, call for quo

MOUSER STOCK NO.	Corcom Part No.	Fig.	Dimensions In. (mm)					Price Each			
			A	B	C	D	E	1	10	25	50
592-6EGG1-1	6EGG1-1	A	1.66 (51.10)	1.13 (28.70)	1.29 (32.77)	1.41 (33.30)	1.76 (44.70)	9.19	8.73	8.29	7.88
592-1EGG1-2	1EGG1-2	A	1.66 (51.10)	1.13 (28.70)	1.29 (32.77)	1.41 (33.30)	1.76 (44.70)	13.69	13.01	12.36	11.74
592-6EGG1-2	6EGG1-2	A	1.66 (51.10)	1.13 (28.70)	1.29 (32.77)	1.41 (33.30)	1.76 (44.70)	10.99	10.44	9.92	9.42

SK SERIES FILTER

For quantities greater than listed, call for quo

592-10VSK7	10VSK7	B	4.34 (110.0)	2.25 (57.2)	1.78 (45.20)	1.575 (40.01)	0.630 (16.0)	35.49	33.72	32.03	30.43

Q SERIES FILTERS

For quantities greater than listed, call for quo

592-3VQ8	3VQ8	C	3.07 (78.0)	2.25 (57.2)	1.78 (45.2)	1.575 (40.01)	0.63 (16.0)	37.89	36.00	34.20	32.49
592-6EQ8	6EQ8	D	5.47 (138.9)	2.07 (52.6)	1.78 (45.2)	1.575 (40.01)	2.70 (68.6)	55.99	53.19	50.53	48.00

P SERIES ADAPTABLE POWER ENTRY MODULES

- IEC power line connector
- Both North American and European fusing capabilities
- Optional DPST on/off switch
- Snap in on mounting ears

* 5 x 20mm fuse not included

For quantities greater than listed, call for quo

MOUSER STOCK NO.	Corcom Part No.	Fig.	Dimensions In. (mm)							Price Each			
			A (Max.)	B (Max.)	C (Max.)	D (±.008)	E (±.008)	F (Max.)	G (Max.)	1	10	25	50
592-PE0S0SS30	PE0S0SS30	E	1.98 (50.29)	--- ---	2.31 (58.67)	1.12 (28.45)	2.20 (55.91)	2.13 (54.10)	1.58 (40)	16.99	16.14	15.33	14.56
592-PE0SSSSX0	PE0SSSSX0	E	1.98 (50.29)	--- ---	2.31 (58.67)	1.12 (28.45)	2.20 (55.91)	2.13 (54.10)	1.58 (40)	17.99	17.09	16.24	15.43
592-PS00XD000	PS00XD000	E	1.24 (31.49)	1.93 (49.02)	2.31 (58.67)	1.06 (26.93)	2.20 (55.91)	2.13 (54.10)	--- ---	9.10	8.65	8.22	7.81
592-PS0S0S000	PS0S0S000	E	1.24 (31.49)	1.93 (49.02)	2.31 (58.67)	1.06 (26.93)	2.20 (55.91)	2.13 (54.10)	--- ---	10.59	10.06	9.56	9.08
592-PS0S0SBX0	PS0S0SBX0	E	1.24 (31.49)	1.93 (49.02)	2.31 (58.67)	1.06 (26.93)	2.20 (55.91)	2.13 (54.10)	--- ---	13.80	13.11	12.45	11.83
592-PS0S0SS60	PS0S0SS60	E	1.24 (31.49)	1.93 (49.02)	2.31 (58.67)	1.06 (26.93)	2.20 (55.91)	2.13 (54.10)	--- ---	15.95	15.15	14.39	13.67
592-PS0SSS000	PS0SSS000	E	1.24 (31.49)	1.93 (49.02)	2.31 (58.67)	1.06 (26.93)	2.20 (55.91)	2.13 (54.10)	--- ---	9.99	9.49	9.02	8.57
592-PS0SXD000	PS0SXD000	E	1.24 (31.49)	1.93 (49.02)	2.31 (58.67)	1.06 (26.93)	2.20 (55.91)	2.13 (54.10)	--- ---	9.99	9.49	9.02	8.57
592-PS0SXS000	PS0SXS000	E	1.24 (31.49)	1.93 (49.02)	2.31 (58.67)	1.06 (26.93)	2.20 (55.91)	2.13 (54.10)	--- ---	11.11	10.55	10.02	9.52
592-PS0SXSS30	PS0SXSS30	E	1.24 (31.49)	1.93 (49.02)	2.31 (58.67)	1.06 (26.93)	2.20 (55.91)	2.13 (54.10)	--- ---	16.25	15.44	14.67	13.94
592-PS0SXSS60	PS0SXSS60	E	1.24 (31.49)	1.93 (49.02)	2.31 (58.67)	1.06 (26.93)	2.20 (55.91)	2.13 (54.10)	--- ---	15.25	14.49	13.77	13.08

J SERIES - VOLTAGE SELECTING AND FUSED CONNECTOR

6 Amps; 120 - 250 Volts AC; 50-60 Hz *5 x 20mm fuse not included

For quantities greater than listed, call for quo

MOUSER STOCK NO.	Corcom Part No.	Fig.	Dimensions In. (mm) Max.				Amps (Max.)	Price Each			
			A	B	C	D		1	10	25	50
592-6VJ1	6VJ1	F	2.68 (68.1)	1.52 (38.6)	1.17 (29.7)	1.23 (31.2)	6	9.94	9.44	8.97	8.52
592-6J4	6J4	F	2.75 (69.9)	1.87 (47.5)	1.17 (29.7)	1.58 (40.1)	6	17.95	17.05	16.20	15.39

C SERIES

For quantities greater than listed, call for quo

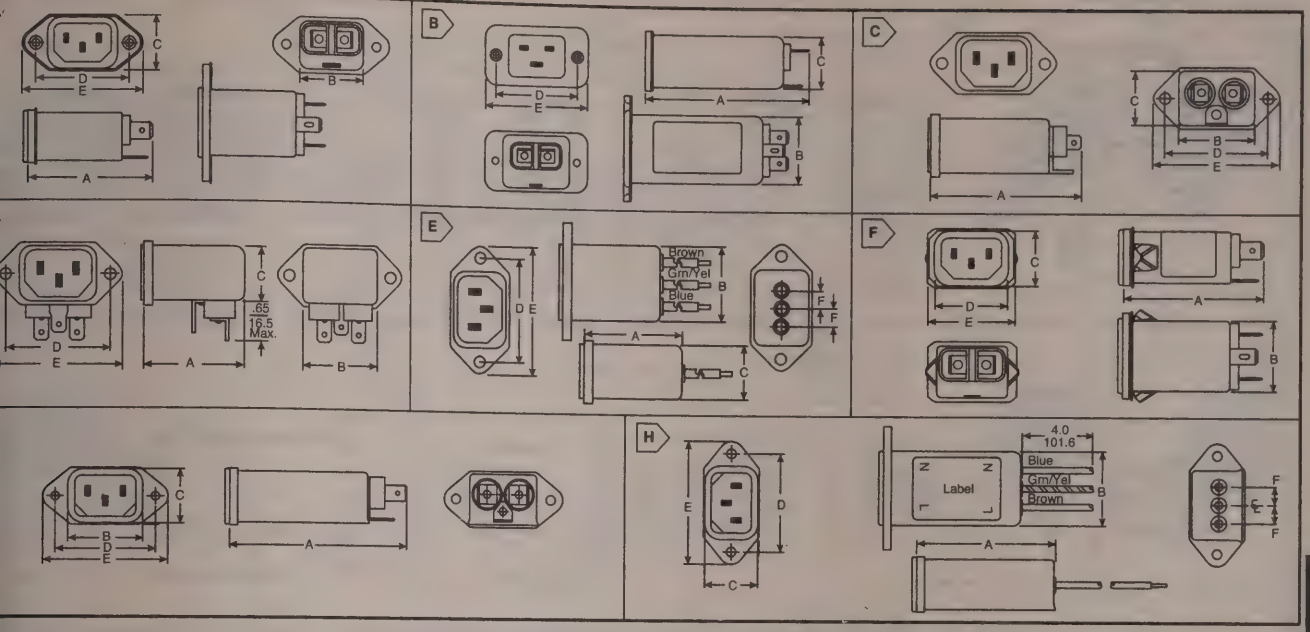
MOUSER STOCK NO.	Corcom Part No.	Fig.	Mount	Amps	Filtered	Dimensions In. (mm)						Price Each			
						A (Max.)	B (Max.)	C (Max.)	D	E	F	1	10	25	50
592-3CFE1	3CFE1	G	Flange	3	Yes	1.74 (44.20)	2.53 (64.26)	1.62 (41.17)	1.12 (28.50)	1.54 (39.12)	1.417 (36.00)	14.75	14.01	13.31	12.6
592-3CFS1	3CFS1	G	Snap-In	3	Yes	1.23 (31.24)	2.53 (64.26)	1.62 (41.17)	1.12 (28.50)	1.54 (39.12)	--- ---	14.75	14.01	13.31	12.6
592-6CFE1	6CFE1	G	Flange	6	Yes	1.74 (44.20)	2.53 (64.26)	1.62 (41.17)	1.12 (28.50)	1.54 (39.12)	1.417 (36.00)	14.10	13.40	12.73	12.0
592-6CFS1	6CFS1	G	Snap-In	6	Yes	1.23 (31.24)	2.53 (64.26)	1.62 (41.17)	1.12 (28.50)	1.54 (39.12)	--- ---	14.10	13.40	12.73	12.0
592-10CE1	10CE1	G	Flange	10	No	1.74 (44.20)	.970 (24.64)	1.62 (41.17)	1.06 (26.92)	1.54 (39.12)	1.417 (36.00)	5.83	5.54	5.26	5.0
592-10CFE1	10CFE1	G	Flange	10	Yes	1.74 (44.20)	2.53 (64.26)	1.62 (41.17)	1.12 (28.50)	1.54 (39.12)	1.417 (36.00)	17.39	16.52	15.69	14.9
592-10CFS1	10CFS1	G	Snap-In	10	Yes	1.23 (31.24)	2.53 (64.26)	1.62 (41.17)	1.12 (28.50)	1.54 (39.12)	--- ---	15.69	14.91	14.16	13.4
592-10CS1	10CS1	G	Snap-In	10	No	1.23 (31.24)	.970 (24.64)	1.62 (41.17)	1.06 (26.96)	1.54 (39.12)	--- ---	5.83	5.54	5.26	5.0

EEA SERIES FILTERS

1 - 10 Amps; 120/250 Volts AC; 50-60 Hz

For quantities greater than listed, call for qu

MOUSER STOCK NO.	Corcom Part No.	Fig.	Dimensions In. (mm)					Amps (Max.)	Price Each			
			A	B	C	D	E		1	10	25	50
592-3EEA1	3EEA1	H	2.15 (53.8)	1.11 (28.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	3	6.25	5.94	5.64	5.3
592-6EEA1	6EEA1	H	2.15 (53.8)	1.11 (28.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	6	5.75	5.46	5.19	4.9
592-6EEAP	6EEAP	H	1.54 (39.2)	1.11 (28.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	6	7.39	7.02	6.67	6.3
592-10EEA1	10EEA1	H	2.15 (53.8)	1.11 (28.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	10	6.29	5.98	5.68	5.4



I SERIES

nced Performance Compact RFI Filter IEC Connector Package

20 Amps; 120/250 Volts AC; 50/60 Hz

For quantities of 100 and up, call for quote.

OUSER CK NO.	Corcom Part No.	Fig.	Amps	Dimensions In. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
EEJ1	3EEJ1	A	3	2.15 (54.61)	1.13 (28.7)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	6.13	5.69	5.40	4.96
EEJ1	6EEJ1	A	6	2.15 (54.61)	1.13 (28.7)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	5.73	5.32	5.05	4.64
5EEJ1	15EEJ1	A	15	2.15 (54.61)	1.13 (28.7)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	6.74	6.26	5.94	5.46
0EEJ1	20EEJ1	B	20	3.13 (79.38)	1.37 (34.79)	1.18 (29.99)	1.65 (42.01)	2.09 (53.00)	11.09	10.30	9.77	8.98

SERIES

pact RFI Filter with IEC Connectors

0 Amps; 120/250 Volts AC; 50-60 Hz

For quantities of 100 and up, call for quote.

OUSER CK NO.	Corcom Part No.	Fig.	Amps	Dimensions In. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
EF1F	1EF1F	C	1	2.20 (55.9)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	10.10	9.38	8.90	8.18
EF1F	3EF1F	C	3	2.20 (55.9)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	14.47	13.44	12.75	11.71
EF2F	1EF2F	D	1	1.55 (39.4)	1.19 (30.2)	0.85 (20.6)	1.575 (40.01)	1.98 (50.3)	10.10	9.38	8.90	8.18
EF1F	6EF1F	C	6	2.20 (55.9)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	10.10	9.38	8.90	8.18
EF8	6EF8	E	6	1.55 (39.4)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	9.79	9.09	8.62	7.92
0EF1F	10EF1F	C	10	2.62 (66.5)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	10.27	9.54	9.05	8.31

SERIES

nced Performance Snap-In Compact RFI Filter IEC Connector Package

5 Amps; 120/250 Volts AC; 50-60 Hz

For quantities of 100 and up, call for quote.

OUSER CK NO.	Corcom Part No.	Fig.	Amps	Dimensions In. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
EJS1	3EJS1	F	3	2.20 (55.88)	1.10 (27.94)	0.96 (24.38)	1.19 (30.10)	1.35 (34.21)	6.80	6.32	5.99	5.51
EJS1	6EJS1	F	6	2.20 (55.88)	1.10 (27.94)	0.96 (24.38)	1.19 (30.10)	1.35 (34.21)	6.38	5.93	5.62	5.17
0EJS1	10EJS1	F	10	2.20 (55.88)	1.10 (27.94)	0.96 (24.38)	1.19 (30.10)	1.35 (34.21)	6.87	6.38	6.05	5.56
5EJS1	15EJS1	F	15	2.20 (55.88)	1.10 (27.94)	0.96 (24.38)	1.19 (30.10)	1.35 (34.21)	6.89	6.40	6.07	5.58

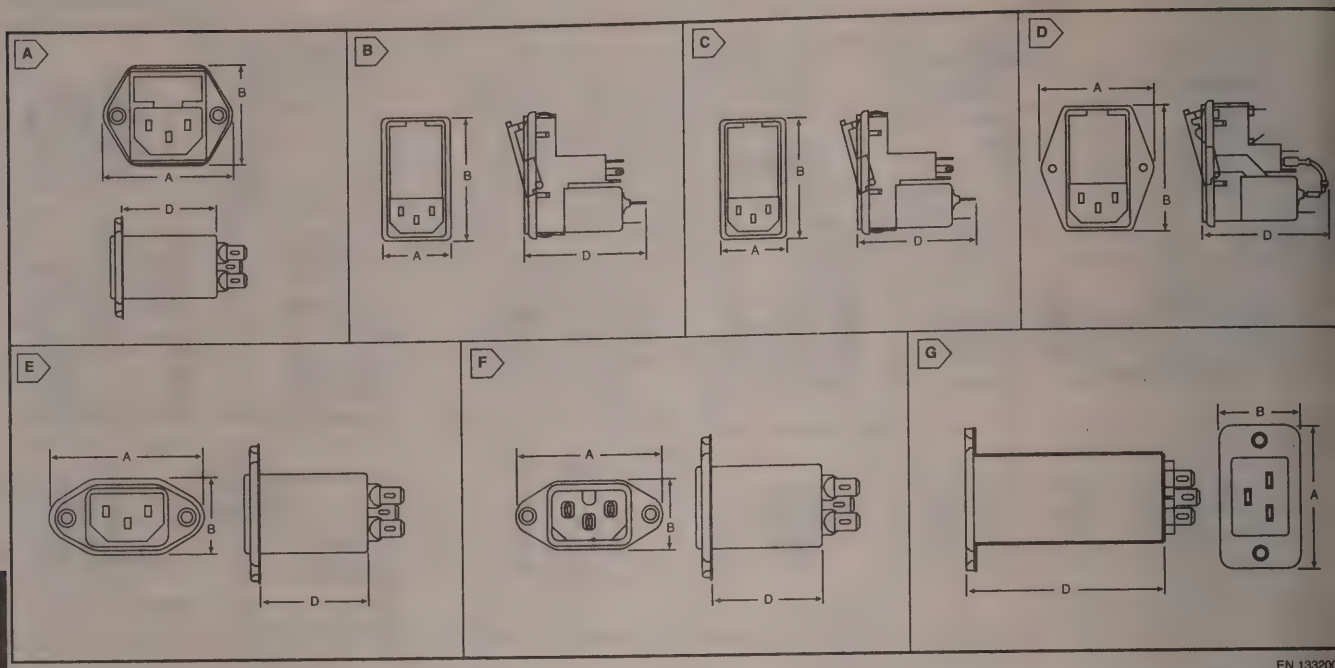
SERIES

pact RFI Filters with IEC Connector for Higher Frequency Applications

5 Amps; 120/250 Volts AC; 50-60 Hz

For quantities of 100 and up, call for quote.

OUSER CK NO.	Corcom Part No.	Fig.	Amps	Dimensions In. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
EJT1	3EJT1	G	3	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.56	11.66	11.06	10.17
EJT1	6EJT1	G	6	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.54	11.66	11.06	10.17
0EJT1	10EJT1	G	10	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.60	11.70	11.10	10.20
5EJT1	15EJT1	G	15	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.77	11.86	11.25	10.34
EJT8	3EJT8	H	3	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.01	11.15	10.58	9.72
EJT8	6EJT8	H	6	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.20	11.33	10.75	9.88
0EJT8	10EJT8	H	10	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.26	11.39	10.80	9.93
5EJT8	15EJT8	H	15	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.43	11.54	10.95	10.06



DUAL FUSE IEC INLETS

EN 133200
IEC60939

Specifications:
- Up to 6A current ratings
- IEC 950-compliant
- One or two fuses (5 x 20mm)
- Lightweight construction
- General-purpose application
- Optional medical version (B type)

For quantities greater than listed, call for q

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Amps	L (mH)	Capacitance Cx (nF)	Capacitance Cy (nF)	Resistance R (MΩ)	Dimensions mm A	Dimensions mm B	Dimensions mm D	Price Each 1	25	50	100	25
631-FN9260-2/06	FN9260-2/06	A	2	2.7	100	2.2	1	46	35	41	12.50	10.40	9.40	8.50	8.
631-FN9260-4/06	FN9260-4/06	A	4	1	100	2.2	1	46	35	41	12.50	10.40	9.40	8.50	8.
631-FN9260-6/06	FN9260-6/06	A	6	0.3	100	2.2	1	46	35	41	12.50	10.40	9.40	8.50	8.
631-FN9260B-4/06	FN9260B-4/06	A	4	1	100	—	1	46	35	41	12.50	10.40	9.40	8.50	8.
631-FN9260B-6/06	FN9260B-6/06	A	6	0.3	100	—	1	46	35	41	46.30	38.60	35.00	31.70	30.

FUSED INLETS

EN 133200
IEC60939

Specifications:
- Up to 6A current ratings
- IEC 950-compliant (twin fuse configurations only)
- One or two fuses (5 x 20 or 6.3 x 32mm)
- Easy-access fuse compartment
- Voltage selector
- Snap-in or screw-mount versions
- General-purpose application

For quantities greater than listed, call for q

631-FN372-2/22	FN372-2/22	B	2	0.7	47	2.2	---	32	58	56.5	29.70	24.80	22.50	20.30	19
631-FN372-6/22	FN372-6/22	B	6	0.18	47	2.2	---	32	58	56.5	29.70	24.80	22.50	20.30	19
631-FN382-4/22	FN382-4/22	C	4	0.3	47	2.2	---	32	58	56.5	29.50	24.60	22.30	20.20	19
631-FN388-6/22	FN388-6/22	D	6	0.18	47	2.2	---	50	58	56.5	29.60	24.60	22.40	20.20	19
631-FN389B-6/22	FN389B-6/22	D	6	0.5	47	---	1	50	58	66.5	32.20	26.80	24.30	22.00	21

POWER ENTRY MODULES

(10A max, for VDE and Semko)

EN 1332
IEC6093

Specifications:
- Up to 20A current ratings
- IEC 950-Compliant

For quantities greater than listed, call for

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Amps	L (mH)	Capacitance Cx (nF)	Capacitance Cy (nF)	Resistance R (MΩ)	Dimensions mm A	Dimensions mm B	Dimensions mm D	Price Each 1	25	50	100
631-FN9222R-1/06	FN9222R-1/06	E	1	12	100	2.2	1	48	22.5	37.7	7.56	6.43	5.48	5.20
631-FN9222R-3/06	FN9222R-3/06	E	3	2.5	100	2.2	1	48	22.5	37.7	7.56	6.43	5.48	5.20
631-FN9222R-6/06	FN9222R-6/06	E	6	0.78	100	2.2	1	48	22.5	37.7	7.56	6.43	5.48	5.20
631-FN9222R-10/06	FN9222R-10/06	E	10	0.225	100	2.2	1	48	22.5	37.7	7.56	6.43	5.48	5.20
631-FN9222R-12/06	FN9222R-12/06	F	12	0.11	100	2.2	1	48	22.5	46.5	7.56	6.43	5.48	5.20
631-FN9222R-15/06	FN9222R-15/06	F	15	0.075	100	2.2	1	48	22.5	46.5	7.56	6.43	5.48	5.20
631-FN9222R-16/06	FN9222R-16/06	G	16	0.54	330	2.2	1	53	30	73	19.80	16.50	15.00	13.60
631-FN9222R-20/06	FN9222R-20/06	G	20	0.4	330	2.2	1	53	30	73	19.80	16.50	15.00	13.60

MEDICAL HIGH PERFORMANCE MODULES

(10A max, for VDE and Semko)

EN 133
IEC60

Specifications:
- Up to 20A current ratings
- IEC 950-Compliant

For quantities greater than listed, call fo

631-FN9222B-1/06	FN9222B-1/06	E	1	12	100	--	1	48	22.5	37.7	9.90	8.30	7.50	6.80
631-FN9222B-3/06	FN9222B-3/06	E	3	2.5	100	--	1	48	22.5	37.7	9.90	8.30	7.50	6.80
631-FN9222B-6/06	FN9222B-6/06	E	6	0.78	100	--	1	48	22.5	37.7	9.90	8.30	7.50	6.80
631-FN9222B-10/06	FN9222B-10/06	E	10	0.225	100	--	1	48	22.5	37.7	9.90	8.30	7.50	6.80

SCHURTER ELECTRONIC COMPONENTS GSP1 / GSP2 SERIES: IEC320 AC INLETS FOR PCB MOUNTING

ifications:

"cold" connections 70° C.
ss I level of protection (with ground terminal); IEC320/C14
und terminal is solder/quick connect .187",
to connector axis.

- Housing material: Black thermoplastic UL 94V-O
- Rating: UL/CSA - 15A/250V; VDE 10A/250V
- 2 screws included with GSP2. Screws for GSP1 not included.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Terminal Spacing	Mounting Type	Price Each 1	25	50	100
nout insulation cover								
-GSP1.8101.1	GSP1.8101.1	A	9.05/9.7mm	Flange with holes for M3 screws	1.33	1.18	1.07	1.01
-GSP2.8101.13	GSP2.8101.13	B	9.05/9.7mm	Screw-on with self-tapping M3 screws	1.87	1.66	1.49	1.41
-GSP2.8201.13	GSP2.8201.13	C	9.05/9.7mm	With snap-in feet for PCB 1.6mm	1.58	1.40	1.26	1.19
n insulation cover								
-GSP1.9113.1	GSP1.9113.1	A	7/7.3mm	Flange with holes for M3 screws	1.75	1.55	1.40	1.32
-GSP2.9113.13	GSP2.9113.13	B	7/7.3mm	Screw-on with self-tapping M3 screws	2.31	2.06	1.85	1.75
-GSP2.9213.13	GSP2.9213.13	C	7/7.3mm	With snap-in feet for PCB 1.6mm	2.02	1.80	1.62	1.53

SCHURTER ELECTRONIC COMPONENTS GSF1 / GSF2 SERIES: IEC320 AC INLETS WITH FUSEHOLDER

ifications:

"cold" connections 70° C.
ss I level of protection (with ground terminal); IEC320/C14
0mm fuses sold separately

- Housing material: Black thermoplastic PBTB UL94V-O
- Rating: UL/CSA/VDE - 10A/250V
- "Piggy-back" fuse clips

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Description	Price Each 1	25	50	100
-GSF1.1212.31	GSF1.1212.31	D	1-pole, snap-in for PCB thickness 1.6mm	3.20	2.84	2.56	2.42
-GSF1.2212.31	GSF1.2212.31	D	2-pole, snap-in for PCB thickness 1.6mm	3.98	3.54	3.19	3.01
-GSF2.1011.01	GSF2.1011.01	D	1-pole, front panel mount, .187" QC terminals	2.73	2.43	2.19	2.07
-GSF2.2011.01	GSF2.2011.01	D	2-pole, front panel mount, .187" QC terminals	3.40	3.02	2.72	2.57

SCHURTER ELECTRONIC COMPONENTS 6100 SERIES: PANEL MOUNT IEC320 AC INLETS

ifications:

"cold" connections 70° C.
ss I level of protection (with ground terminal); IEC320/C14

- Rating: UL/CSA - 15A/250V; VDE 10A/250V
- 6100 housing material: Black thermoplastic, PA 6.6

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Description	Price Each 1	25	50	100
-6100.3100	6100.3100	E	Screw-on, solder .138"	1.18	1.05	.94	.89
-6100.3200	6100.3200	E	Screw-on, quick connect .187"	1.18	1.05	.94	.89
-6100.3300	6100.3300	E	Screw-on, quick connect .250"	1.18	1.05	.94	.89
-6100.4115	6100.4115	F	Snap-in, solder .138", panel thickness 1.5mm	1.23	1.09	.98	.93
-6100.4215	6100.4215	F	Snap-in, quick connect .187", panel thickness 1.5mm	1.23	1.09	.98	.93
-6100.4310	6100.4310	F	Snap-in, quick connect .250", panel thickness 1.0mm	1.23	1.09	.98	.93
-6100.4315	6100.4315	F	Snap-in, quick connect .250", panel thickness 1.5mm	1.23	1.09	.98	.93
ulation cover for 6100 Series							
-0859.0048	0859.0048	-----	Flexible plastic PVC, UL 94V-0 rated	.99	.88	.79	.74

SCHURTER ELECTRONIC COMPONENTS GRF2 SERIES: PANEL MOUNT IEC320 AC INLETS WITH EMI SHIELDING

ifications:

"cold" connections 70° C.
ss I level of protection (with ground terminal); IEC320/C14
7" solder/quick connect terminals
ing: UL/CSA - 15A/250V; VDE 10A/250V

- Metal shield safeguards equipment against radiated EMI.
- Snap-in design allows pre-wiring before mounting
- Flexible steel claws make multiple contact points on the panel to ensure shield integrity

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Description	Price Each 1	25	50	100
-GRF2.0215.11	GRF2.0215.11	G	Ground through metal shield, panel 1.5mm	2.66	2.37	2.13	2.01
-GRF2.0315.11	GRF2.0315.11	G	Ground through metal shield and terminals, panel 1.5mm	2.66	2.37	2.13	2.01

SCHURTER ELECTRONIC COMPONENTS 4300 SERIES: LOW CURRENT AC INLETS

ifications:

"cold" connections 70° C.
ing: UL/CSA/VDE - 2.5A/250V
using material: Black thermoplastic, PBT

- Class I level of protection (with ground terminal) is IEC320/C6 3-pin
- Class II level of protection (without ground terminal) is IEC320/C8 2-pin

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Protection Level	Terminal Type	Mounting Type	Price Each 1	25	50	100
-4300.0096	4300.0096	H	Class II	Solder	Screw-on	.54	.48	.43	.41
-4300.0097	4300.0097	H	Class II	PCB	Screw-on	.54	.48	.43	.41
-4300.0098	4300.0098	I	Class II	Solder	Snap-in	.54	.48	.43	.41
-4300.0099	4300.0099	I	Class II	PCB	Snap-in	.54	.48	.43	.41
-4300.0100	4300.0100	J	Class I	Solder	Screw-on	.93	.83	.74	.70
-4300.0101	4300.0101	J	Class I	PCB	Screw-on	.93	.83	.74	.70

SCHURTER ELECTRONIC COMPONENTS 6110 SERIES: AC INLETS FOR "HOT" CONNECTIONS

cifications:

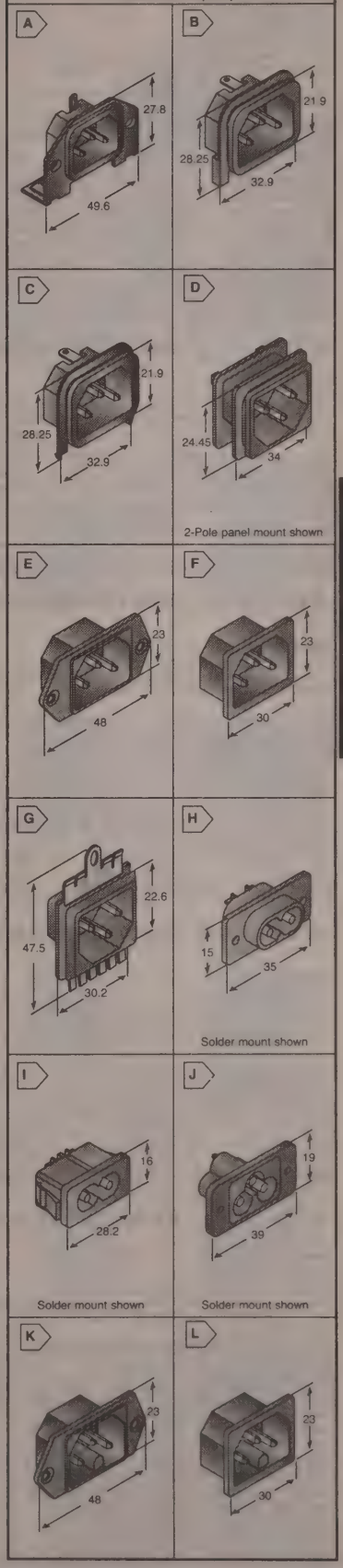
"hot" connections 120° C.
ss I level of protection (with ground terminal); IEC320/C16

- Rating: UL/CSA 15A/250V, VDE 10A/250V
- Housing material: Black thermoplastic UL94V-O

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Protection Level	Terminal Type	Mounting Type	Price Each 1	25	50	100
-6110.3100	6110.3100	K	Class I	.138"Solder	Screw-on	1.61	1.43	1.29	1.22
-6110.3200	6110.3200	K	Class I	.187" QC	Screw-on	1.61	1.43	1.29	1.22
-6110.3300	6110.3300	K	Class I	.250" QC	Screw-on	1.61	1.43	1.29	1.22
-6110.4115	6110.4115	L	Class I	.138"Solder	Snap-in, 1.5mm panel thickness	1.61	1.43	1.29	1.22
-6110.4215	6110.4215	L	Class I	.187" QC	Snap-in, 1.5mm panel thickness	1.61	1.43	1.29	1.22
-6110.4315	6110.4315	L	Class I	.250" QC	Snap-in, 1.5mm panel thickness	1.61	1.43	1.29	1.22

DIMENSIONS (mm)



SCHURTER 6600/4721 SERIES: AC OUTLETS FOR PANEL MOUNTING

Specifications:

- For "cold" connections 70° C.
- Class I level of protection (with ground terminal); IEC320/F
- Ratings: 6600 - UL/CSA 15A/250V, VDE 10A/250V
  4721 - UL/CSA/VDE 10A/250V
- Housing materials: 6600 - Thermoplastic, Polyamid 6.6
  4721 - Modified PPO UL94V-0

Shuttered outlets have mechanical covers over the L and N contacts which slide aside like a camera shutter when a plug is inserted and then spring back when the plug is removed. This offers protections against ingress of dust and against electrical shock.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Protection Level	Terminal Type	Mounting Type	Price Each 1	25	50	100
693-6600.4115	6600.4115	A	Class I	.138" Solder	Snap-in, 1.5mm panel thickness	1.80	1.60	1.44	1.36
693-6600.4315	6600.4315	A	Class I	.250" QC	Snap-in, 1.5mm panel thickness	1.80	1.60	1.44	1.36
693-6600.3100	6600.3100	B	Class I	.138"Solder	Screw-on	1.87	1.66	1.50	1.41
693-6600.3300	6600.3300	B	Class I	.250" QC	Screw-on	1.87	1.66	1.50	1.41
693-4721.0000	4721.0000	C	Class I	.187" QC	Screw-on, shuttered	2.62	2.33	2.10	1.98
693-4721.0300	4721.0300	C	Class I	.138" Solder	Screw-on, shuttered	2.62	2.33	2.10	1.98
Accessories for 6600 Series									
693-0859.0047	0859.0047	-----	Insulation cover, flexible plastic PVC, UL 94V-0 rated			1.35	1.20	1.08	1.02
693-0888.0017	0888.0017	-----	Cord retaining clamp for screw-on 6600			6.87	6.11	5.50	5.19

SCHURTER 4300 SERIES: NEMA 5-15R OUTLETS

Specifications:

- 4300.0701, 0702, 0703 have Class I level of protection (with ground terminal).
- 4300.0705 has Class II level of protection (without ground terminal)
- Ratings: UL/CSA 15A/125V
- Housing material: Black thermoplastic, nylon 66
- Snap-in panel mount from front

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Panel Thickness	Terminal Type	Price Each 1	25	50	100
693-4300.0701	4300.0701	D	0.8-1.6mm	Solder/.187" quick connect	.76	.67	.60	.57
693-4300.0702	4300.0702	E	0.8-1.6mm	V-slotted (14 AWG)	.80	.71	.64	.60
693-4300.0703	4300.0703	F	0.8-2.0mm	Sockets for .205" tabs, solid wires (12-14 AWG)	.97	.86	.78	.73
693-4300.0705	4300.0705	G	0.8-1.5mm	Solder/.187" quick connect	.54	.48	.44	.41

SCHURTER 0909/4752 SERIES: SNAP-IN AC OUTLET DISTRIBUTION

Specifications:

- For "cold" connections 70° C.
- Class I level of protection (with ground terminal); IEC320/F
- Ratings: UL/CSA 15A/250V, VDE 10A/250V
- Housing materials: 0909 - Black thermoplastic UL94V-O
  4752 - Black PA6 UL94V-O
- Provided with rear insulation cover

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Dim. "L"	Number of Outlets	Terminal Type	Price Each 1	25	50	100
Uninsulated Terminals									
693-0909.0001	0909.0001	H	48.3	2	.118" solder	2.18	1.94	1.75	1.65
693-0909.0021	0909.0021	H	96.3	4	.118" solder	3.22	2.86	2.58	2.43
693-0909.0041	0909.0041	H	144.3	6	.118" solder	4.60	4.09	3.68	3.47
Insulated Terminals									
693-4752.4000	4752.4000	I	96.3	4	.118" solder & .250" QC	5.65	5.02	4.52	4.27
693-4752.4200	4752.4200	I	96.3	4	.250" QC	5.65	5.02	4.52	4.27
693-4752.4400	4752.4400	I	96.3	4	.118" solder	5.65	5.02	4.52	4.27

SCHURTER PMM/4300 SERIES: PANEL MOUNT POWER ENTRY MODULES

Specifications:

- For "cold" connections 70° C.
- Class I level of protection (with ground terminal); IEC320/C14/F
- Panel thickness: 1.5mm except 4300.0301 which is 0.8mm
- PMM (4307) ideal for switch mode power supplies (SMPS)
- Termination: .187" solder/QC
- Ratings: UL/CSA/VDE 10A/250V
- 4300.0301 has no internal connection between ground terminals
- 4300.0303 has internal connection between ground terminals

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Mounting Type	Description	Price Each 1	25	50	100
693-4300.0301	4300.0301	J	Front snap-in	AC inlet/outlet	3.08	2.74	2.47	2.33
693-4300.0303	4300.0303	J	Front snap-in	AC inlet/outlet	3.08	2.74	2.47	2.33
693-4307.3214	4307.3214	K	Rear snap-in	AC inlet/outlet/1-pole switch/voltage selector	14.31	12.72	11.45	10.81
693-4307.4214	4307.4214	K	Rear snap-in	AC inlet/outlet/2-pole switch/voltage selector	16.66	14.81	13.33	12.59

SCHURTER KP SERIES: PCB MOUNT POWER ENTRY MODULES

Specifications:

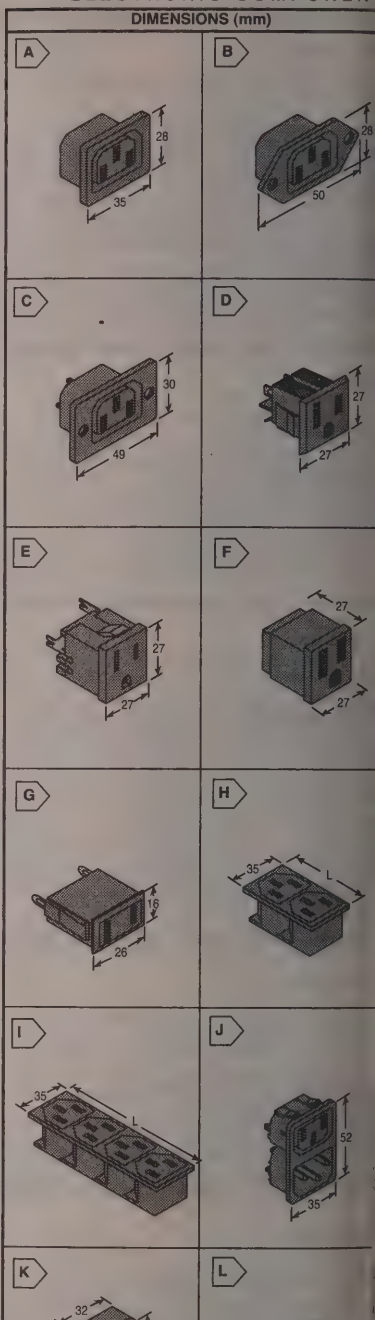
- For "cold" connections 65° C.
- Class I level of protection (with ground terminal)
- Ratings: Inlet/Outlet & Inlet/Fusedrawer - UL/CSA/VDE - 10A/250V
  Inlet/Switch - UL/CSA - 15A/250V, VDE - 10A/250V
- Panel thickness 1.5-2.0mm
- Fusedrawers meet requirements of tool only accessibility of medical standards IEC 601-1
- 2 M3 self-tapping screws included with screw on mounting types

5X20mm fuses for fusedrawer types sold separately

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Number of Poles	Type	Description	Price Each 1	25	50	100
693-KP01.1012.01	KP01.1012.01	L	-----	Snap-in feet	AC inlet with AC outlet	4.78	4.25	3.82	3.61
693-KP01.1052.01	KP01.1052.01	L	-----	Screw-on	AC inlet with AC outlet	5.08	4.51	4.06	3.84
693-KP01.1212.11	KP01.1212.11	M	1	Snap-in feet	AC inlet w/ on/off line switch	7.92	7.04	6.34	5.99
693-KP01.1252.11	KP01.1252.11	M	1	Screw-on	AC inlet w/ on/off line switch	8.28	7.36	6.63	6.26
693-KP01.1112.11	KP01.1112.11	M	2	Snap-in feet	AC inlet w/ on/off line switch	8.15	7.24	6.52	6.16
693-KP01.1152.11	KP01.1152.11	M	2	Screw-on	AC inlet w/ on/off line switch	8.51	7.56	6.81	6.43
693-KP01.1412.01	KP01.1412.01	N	1	Snap-in feet	AC inlet w/ fusedrawer	5.98	5.31	4.78	4.52
693-KP01.1452.01	KP01.1452.01	N	1	Screw-on	AC inlet w/ fusedrawer	6.49	5.77	5.19	4.90
693-KP01.1312.01	KP01.1312.01	N	2	Snap-in feet	AC inlet w/ fusedrawer	6.83	6.07	5.47	5.16
693-KP01.1352.01	KP01.1352.01	N	2	Screw-on	AC inlet w/ fusedrawer	7.26	6.45	5.81	5.48

DIMENSIONS (mm)



MOUSER a tti company (800) 346-6873

CHURTER CMF SERIES: LOW CURRENT AC INLETS WITH LINE SWITCH

ifications:

cold" connections 65° C.
s I level of protection (with ground terminal)
nd C8 inlets acc. to IEC320-1; C8 polarized inlet not acc. to IEC

- Ratings: UL/CSA/VDE - 2.5A/250V, SPST switch (On-Off)
- PCB Mount
- Switch is 1-pole on/off (SPST)

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Schurter Part No.	Fig.	Protection Level	Type of Inlet	Mounting Type	Price Each 1	25	50	100
CMF1.1111.12	CMF1.1111.12	A	Class I	C8	Snap-in feet w/ center screw	5.45	4.85	4.36	4.12
CMF2.1111.12	CMF2.1111.12	B	Class I	C8 polarized	Snap-in feet w/ center screw	5.45	4.85	4.36	4.12
CMF3.1112.12	CMF3.1112.12	C	Class I	C6	Snap-in feet w/ center screw	6.04	5.37	4.83	4.56

CHURTER KEB SERIES: AC INLETS WITH LINE SWITCH FOR PANEL MOUNT

ifications:

cold" connections 65° C.
s I level of protection (with ground terminal); IEC320/C14
g: UL/CSA/VDE - 10A/250V
T or DPST switch (On-Off)

- Terminals: .187" quick connect
- Screw mount from front or rear, snap-in from front

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Schurter Part No.	Fig.	Panel Thickness	No. of Poles (Switch)	Mounting Type	Price Each 1	25	50	100
4302.0001	4302.0001	D	6mm max.	1	Screw-on	7.65	6.80	6.12	5.78
4302.2001	4302.2001	E	6mm max.	2	Screw-on	9.92	8.81	7.93	7.49
4302.2002	4302.2002	F	2.0mm	2	Snap-in	9.92	8.81	7.93	7.49
essories for KEB									
0859.0047	0859.0047	-----			Insulation cover, flexible plastic PVC, for 1-pole KEB	1.35	1.20	1.08	1.02
0859.0075	0859.0075	-----			Insulation cover, flexible plastic PVC, for 2-pole KEB	1.89	1.68	1.52	1.43
0888.0004	0888.0004	-----			Cord retaining clamp for screw-on KEB	6.87	6.11	5.50	5.19

CHURTER 6200/6220 SERIES: AC INLETS WITH FUSEHOLDER

ifications:

cold" connections 70° C.
s I level of protection (with ground terminal); IEC320/C14
g: UL/CSA/VDE - 10A/250V

- 6200 fusedrawers meet requirements of tool only accessibility of medical standards IEC 601-1

g and fusedrawer combined, 5x20mm fuses sold separately.

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Schurter Part No.	Fig.	No. of Poles (Fuseholder)	Mounting Type	Terminal Type	Price Each 1	25	50	100
6200.2100	6200.2100	G	1	Screw-on	.138" solder	3.09	2.75	2.48	2.34
6200.4115	6200.4115	H	1	Snap-in	.138" solder, 1.5mm panel	3.09	2.75	2.48	2.34
6200.2200	6200.2200	G	1	Screw-on	.187" quick connect	3.09	2.75	2.48	2.34
6200.4215	6200.4215	H	1	Snap-in	.187" QC, 1.5mm panel	3.09	2.75	2.48	2.34
6200.2300	6200.2300	G	1	Screw-on	.250" quick connect	3.09	2.75	2.48	2.34
6200.4315	6200.4315	H	1	Snap-in	.250" QC, 1.5mm panel	3.09	2.75	2.48	2.34
6220.2100	6220.2100	I	2	Screw-on	.138" solder	6.52	5.80	5.22	4.93
6220.5115	6220.5115	J	2	Snap-in	.138" solder, 1.5mm panel	6.52	5.80	5.22	4.93
6220.2300	6220.2300	I	2	Screw-on	.250" quick connect	6.52	5.80	5.22	4.93
6220.5315	6220.5315	J	2	Snap-in	.250" QC, 1.5mm panel	6.52	5.80	5.22	4.93
essories									
0859.0047	0859.0047	-----			Insulation cover, Flexible plastic PVC, UL 94V-0 rated	1.35	1.20	1.08	1.02
0888.0004	0888.0004	-----			Cord retaining clamp for screw-on 6200 and 6220	6.87	6.11	5.50	5.19

CHURTER KEA SERIES: AC INLETS WITH FUSEHOLDER

ifications:

"cold" connections 85° C.
s I level of protection (with ground terminal); IEC320/C14

- Rating: UL/CSA/VDE - 10A/250V

rawers and casings must be ordered separately, 5X20mm fuses sold separately

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Panel Thickness	No. of Poles (Fuseholder)	Mounting Type	Price Each 1	25	50	100
ing only									
-4301.0521	4301.0521	K	8mm max.	1	Screw-on	2.56	2.27	2.05	1.93
-4301.0522	4301.0522	L	1.5mm	1	Snap-in	2.56	2.27	2.05	1.93
-4301.0501	4301.0501	K	8mm max.	2	Screw-on	3.59	3.19	2.87	2.71
-4301.0502	4301.0502	L	1.5mm	2	Snap-in	3.59	3.19	2.87	2.71

CHURTER KM SERIES: AC INLETS WITH SWITCH AND FUSEHOLDER

ifications:

"cold" connections 65° C.
s I level of protection (with ground terminal); IEC320/C14

- Rating: UL/CSA/VDE - 10A/250V

rawers and casings must be ordered separately, 5X20mm fuses sold separately

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Panel Thickness	No. of Poles Fuseholder/Switch	Mounting Type	Price Each 1	25	50	100
ing only without EMC Shield									
-KM00.1105.11	KM00.1105.11	M	1.5mm	2/2	Snap-in	12.67	11.26	10.13	9.57
-KM00.1205.11	KM00.1205.11	M	2.0mm	1/2	Snap-in	8.07	7.17	6.46	6.10
ing only with EMC Shield									
-KM01.1105.11	KM01.1105.11	M	1.5mm	2/2	Snap-in	14.48	12.87	11.58	10.94
-KM01.1205.11	KM01.1205.11	M	2.0mm	1/2	Snap-in	9.42	8.37	7.54	7.12

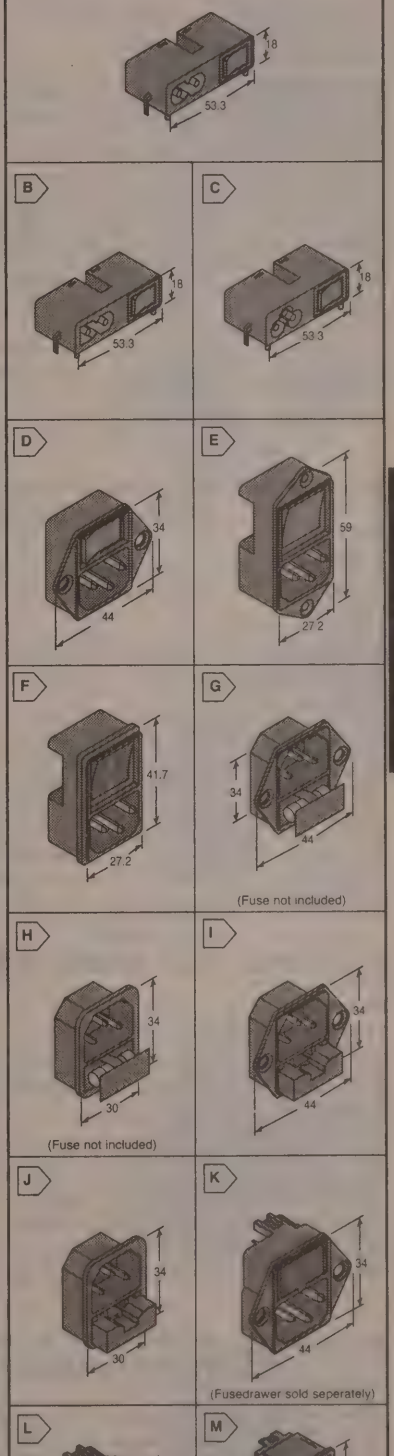
CHURTER FUSEDRAWERS FOR KEA AND KM SERIES

ficial fusedrawers meet requirements of tool only accessibility of medical standards IEC 601-1

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Description	Price Each 1	25	50	100
-4301.1405	4301.1405	-----	Standard, 1-pole, black	1.55	1.37	1.24	1.17
-4301.1407	4301.1407	-----	Medical, 1-pole, black	1.55	1.37	1.24	1.17
-4301.1401	4301.1401	-----	Standard, 2-pole, black	2.66	2.36	2.13	2.01
-4301.1403	4301.1403	-----	Medical, 2-pole, black	2.66	2.36	2.13	2.01
-4301.1413	4301.1413	-----	Standard, 2-pole, black, w/ neutral side shorting bar	3.49	3.10	2.79	2.64
-4301.1415	4301.1415	-----	Medical, 2-pole, black, w/ neutral side shorting bar	3.49	3.10	2.79	2.64

DIMENSIONS (mm)



KD/KG SERIES: POWER ENTRY MODULES

Specifications:

- For "cold" connections 65° C.
- Class I level of protection (with ground terminal); IEC320/C14
- DPST switch (On-Off)
- 2-pole fusing type with internal connections
- IP40 protection (front side)
- Rating: UL/CSA/VDE - 10A/250V
- Terminals: .187" quick connect
- Medical fusedrawers meet requirements of tool only accessibility of medical standards IEC 601-1
- **5X20mm fuses sold separately**
- **Fusedrawers and casings must be ordered separately**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Panel Thickness	Voltage Selector	Mounting Type	Price Each 1	10	25	50
Casing only									
693-KD14.1101.105	KD14.1101.105	A	1.5mm	-----	Snap-in	15.98	14.21	12.79	12.08
693-KD14.1101.151	KD14.1101.151	B	8mm max.	-----	Screw-on	15.98	14.21	12.79	12.08
693-KD14.4101.105	KD14.4101.105	A	1.5mm	2-4 pos.	Snap-in	16.97	15.09	13.58	12.82
693-KD14.4101.151	KD14.4101.151	B	8mm max.	2-4 pos.	Screw-on	16.97	15.09	13.58	12.82
693-KG10.6101.105	KG10.6101.105	C	1.5mm	-----	Snap-in	17.69	15.72	14.15	13.36
693-KG10.6101.151	KG10.6101.151	D	8mm max.	-----	Screw-on	17.69	15.72	14.15	13.36
Fusedrawers for KD/KG Series									
693-4303.2014.01	4303.2014.01		Standard 2-pole with voltage selector 100/120/220/240			4.71	4.19	3.77	3.56
693-4303.2024.01	4303.2024.01		Medical 2-pole with voltage selector 100/120/220/241			5.24	4.66	4.19	3.96
693-4303.2401	4303.2401		Standard 2-pole black			2.66	2.37	2.13	2.01
693-4303.2403	4303.2403		Medical 2-pole black			4.24	3.77	3.39	3.20
693-4303.2411	4303.2411		Standard 2-pole black w/ neutral side shorting bar			5.62	5.00	4.50	4.25
693-4303.2413	4303.2413		Medical 2-pole black w/ neutral side shorting bar			5.62	5.00	4.50	4.25
Accessories for KD and KG series									
693-0859.0074	0859.0074		Insulation cover for KD			3.51	3.12	2.81	2.65
693-0859.0109	0859.0109		Insulation cover for KG			3.28	2.92	2.62	2.48

KE SERIES: AC INLETS WITH VOLTAGE SELECTOR AND INTERCHANGEABLE FUSEDRAWER

Specifications:

- For "cold" connections 65° C.
- Class I level of protection (with ground terminal); IEC320/C14
- Voltage selector with series parallel connections and 4,3, or 2 switch positions
- 2-pole fusing type
- IP40 protection (front side)
- Rating: UL - 15A/250V, CSA/VDE - 10A/250V
- Terminals: .187" quick connect
- Medical fusedrawers meet requirements of tool only accessibility of medical standards IEC 601-1
- **5X20mm fuses sold separately**
- **Fusedrawers, voltage selectors, and casings must be ordered separately**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Protection Level	Internal Connection	Mounting Type	Price Each 1	10	25	50
Casing only									
693-KE10.2100.105	KE10.2100.105	E	1.5mm	No	Snap-in	12.31	10.94	9.84	9.30
693-KE10.2100.151	KE10.2100.151	F	8mm max.	No	Screw-on	12.31	10.94	9.84	9.30
693-KE10.6100.151	KE10.6100.151	F	8mm max.	Yes	Screw-on	11.94	10.61	9.55	9.02
Fusedrawers and voltage selector inserts for KE									
693-4305.0048.01	4305.0048.01		Voltage selector insert marking 100/120/220/240			5.34	4.75	4.28	4.04
693-4305.0048.03	4305.0048.03		Voltage selector insert marking 110/220			5.34	4.75	4.28	4.04
693-4305.0048.05	4305.0048.05		Voltage selector insert marking 115/230			5.34	4.75	4.28	4.04
693-4305.0001	4305.0001		Fusedrawer for 5x20mm, 2-pole black			4.29	3.81	3.43	3.24
693-4305.0021	4305.0021		Fusedrawer, 5x20mm, 2-pole black, neutral shorting bar			5.51	4.90	4.41	4.17
693-4305.0012	4305.0012		Fusedrawer for x1, 2-pole gray			4.29	3.81	3.43	3.24
Insulation cover for KE									
693-0859.0076	0859.0076		Insulation cover, flexible plastic PVC, UL 94V-0 rated			3.37	2.99	2.69	2.54

EC11 SERIES: AC INLET WITH LINE SWITCH FOR HIGH CURRENT

Specifications:

- Rated current: VDE - 16A/250VAC; UL,CSA - 20A/250VAC
- Rated voltage: 125/250 VAC
- Class I level of protection (with ground terminal); IEC 61140
- IP40 protection (front side)
- Terminals: .250" Quick connect

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Protection Level	Internal Connection	Mounting Type	Price Each 1	10	25	50
With Non-illuminated Line Switch									
693-EC11.0001.001	EC11.0001.001	G	8mm max.	Yes	Screw-on	14.38	12.78	11.50	10.86
693-EC11.0001.201	EC11.0001.201	H	1.5mm	Yes	Snap-in	14.38	12.78	11.50	10.86
With Red Illuminated Line Switch									
693-EC11.0021.001	EC11.0021.001	I	8mm max.	Yes	Screw-on	17.85	15.87	14.28	13.49
693-EC11.0021.201	EC11.0021.201	J	1.5mm	Yes	Snap-in	17.85	15.87	14.28	13.49
With Green Illuminated Line Switch									
693-EC11.0031.001	EC11.0031.001	I	8mm max.	Yes	Screw-on	17.85	15.87	14.28	13.49
693-EC11.0031.201	EC11.0031.201	J	1.5mm	Yes	Snap-in	17.85	15.87	14.28	13.49

EC12 SERIES: AC INLET WITH EMC SHIELD, LINE SWITCH AND FILTER FOR HIGH CURRENT

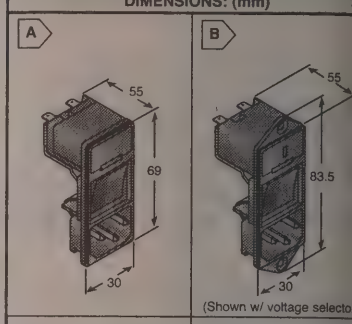
Specifications:

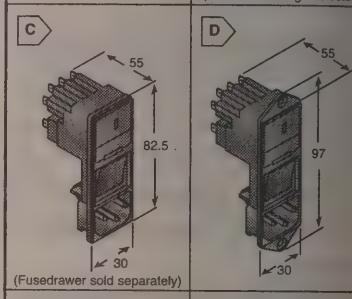
- Rated current: VDE - 16A/250VAC; UL,CSA - 20A/250VAC
- Rated voltage: 125/250 VAC
- Class I level of protection (with ground terminal); IEC 61140
- IP40 protection (front side)
- Terminals: .250" Quick connect

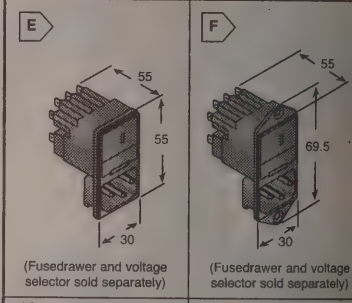
For quantities of 100 and up, call for quote.

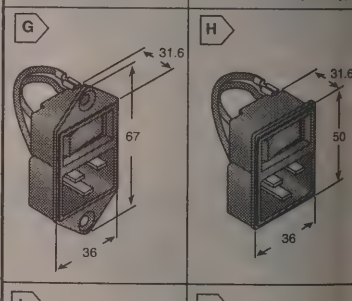
MOUSER STOCK NO.	Schurter Part No.	Fig.	Protection Level	Internal Connection	Mounting Type	Price Each 1	10	25	50
With Standard RFI Filter									
693-EC12.1101.001	EC12.1101.001	K	8mm max.	Yes	Screw-on	44.65	39.69	35.72	33.73
693-EC12.2101.001	EC12.2101.001	K	8mm max.	Yes	Screw-on	44.65	39.69	35.72	33.73
693-EC12.3101.001	EC12.3101.001	K	8mm max.	Yes	Screw-on	44.65	39.69	35.72	33.73
With Medical RFI Filter									
693-EC12.1201.001	EC12.1201.001	K	8mm max.	Yes	Screw-on	44.65	39.69	35.72	33.73
693-EC12.2201.001	EC12.2201.001	K	8mm max.	Yes	Screw-on	44.65	39.69	35.72	33.73
693-EC12.3201.001	EC12.3201.001	K	8mm max.	Yes	Screw-on	44.65	39.69	35.72	33.73

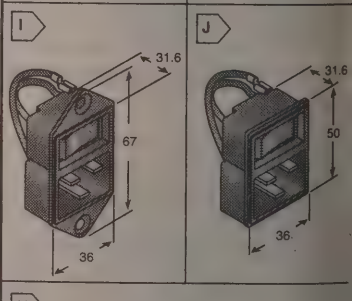
DIMENSIONS: (mm)

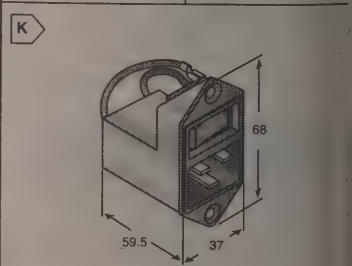












HURTER DC11/DC12 POWER ENTRY MODULES FOR HIGH CURRENT

fications:
l Voltage: DC11 - 2500VAC; DC12 - 125/250VAC
ance inlet according to IEC/EN 60320-1/C14
e of Protection: IP40
nals: DC11 - .187"QC; DC12 - .250"QC
h Rating: 16A/250VAC - 10,000 switch operations;
50VAC - 50,000 switch operations

Features:
- All single elements are already wired
- Qualified for use in equipment according to IEC/EN 60950
- Models with line filter have EMC shield

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Mounting Type	Panel Thickness	Line Switch		Price Each			
						No. of Poles	Illumination	1	10	25	50
out Line Filter											
DC11.0001.003	DC11.0001.003	A	15 A	Screw-on	-----	1	-----	7.34	6.52	5.87	5.54
DC11.0001.203	DC11.0001.203	A	15 A	Snap-in	1.5 mm	1	-----	7.34	6.52	5.87	5.54
DC11.0001.303	DC11.0001.303	A	15 A	Snap-in	2.0 mm	1	-----	7.34	6.52	5.87	5.54
DC11.0001.403	DC11.0001.403	A	15 A	Snap-in	2.5 mm	1	-----	7.34	6.52	5.87	5.54
DC11.0001.001	DC11.0001.001	A	15 A	Screw-on	-----	2	-----	7.72	6.86	6.18	5.83
DC11.0001.201	DC11.0001.201	A	15 A	Snap-in	1.5 mm	2	-----	7.72	6.86	6.18	5.83
DC11.0001.301	DC11.0001.301	A	15 A	Snap-in	2.0 mm	2	-----	7.72	6.86	6.18	5.83
DC11.0001.401	DC11.0001.401	A	15 A	Snap-in	2.5 mm	2	-----	7.72	6.86	6.18	5.83
DC11.0021.001	DC11.0021.001	A	15 A	Screw-on	-----	2	Red	9.78	8.69	7.82	7.39
DC11.0021.201	DC11.0021.201	A	15 A	Snap-in	1.5 mm	2	Red	9.78	8.69	7.82	7.39
DC11.0021.301	DC11.0021.301	A	15 A	Snap-in	2.0 mm	2	Red	9.78	8.69	7.82	7.39
DC11.0021.401	DC11.0021.401	A	15 A	Snap-in	2.5 mm	2	Red	9.78	8.69	7.82	7.39
Standard Line Filter											
DC12.1102.003	DC12.1102.003	B	1 A	Screw-on	-----	1	-----	25.68	22.83	20.55	19.41
DC12.2102.003	DC12.2102.003	B	2 A	Screw-on	-----	1	-----	25.68	22.83	20.55	19.41
DC12.3102.003	DC12.3102.003	B	4 A	Screw-on	-----	1	-----	25.68	22.83	20.55	19.41
DC12.4102.003	DC12.4102.003	B	6 A	Screw-on	-----	1	-----	25.68	22.83	20.55	19.41
DC12.5102.003	DC12.5102.003	B	10 A	Screw-on	-----	1	-----	27.30	24.26	21.84	20.62
DC12.1102.001	DC12.1102.001	B	1 A	Screw-on	-----	2	-----	26.15	23.25	20.92	19.76
DC12.2102.001	DC12.2102.001	B	2 A	Screw-on	-----	2	-----	26.15	23.25	20.92	19.76
DC12.3102.001	DC12.3102.001	B	4 A	Screw-on	-----	2	-----	26.15	23.25	20.92	19.76
DC12.4102.001	DC12.4102.001	B	6 A	Screw-on	-----	2	-----	26.15	23.25	20.92	19.76
DC12.5102.001	DC12.5102.001	B	10 A	Screw-on	-----	2	-----	27.80	24.71	22.24	21.00

HURTER EF11/EF12 POWER ENTRY MODULES FOR HIGH CURRENT

fications:
d Voltage: 125/250VAC
elease
it Breakers: EF11.ABT, EF12.ABT - 1-Pole
er Actuated; EF11.ABD, EF12.ABD - 2 Pole Rocker
ated; EF11.A326 - 2-Pole Illuminated 220/240VAC

Features:
- All single elements are already wired
- Qualified for use in equipment according to IEC/EN 60950
- Models with line filter have EMC shield

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Mounting Type	Rocker Color	Rocker Legend	Price Each			
							1	10	25	50
Circuit Breaker Type TA45										
EF110035.1001	EF11.ABTWF200C0.0010.01	C	20 A	Screw-on	White	Embossed -/O	19.09	16.97	15.27	14.42
EF110035.1201	EF11.ABTWF200C0.0012.01	C	20 A	Snap-in 1.5mm	White	Embossed -/O	19.09	16.97	15.27	14.42
EF111089.1001	EF11.ABDBL150C0.0010.01	C	15 A	Screw-on	Black	Printed -/O	21.81	19.39	17.45	16.48
EF112196.1001	EF11.ABDBL200C0.0010.01	C	20 A	Screw-on	Black	Printed -/O	21.81	19.39	17.45	16.48
EF112196.1301	EF11.ABDBL150C0.0013.01	C	15 A	Snap-in 2.0mm	Black	Printed -/O	21.81	19.39	17.45	16.48
EF112561.1001	EF11.A326K200C0.0010.01	C	20 A	Screw-on	Orange trans.	ON/OFF	27.30	24.27	21.84	20.63
EF112561.1201	EF11.A326K200C0.0012.01	C	20 A	Snap-in 1.5mm	Orange trans.	ON/OFF	27.30	24.27	21.84	20.63
Standard Line Filter and Circuit Breaker Type TA45										
EF12034.211001	EF12.ABTWF160C0.2110.01	D	16 A	Screw-on	White	Embossed -/O	46.95	41.73	37.56	35.47
EF12035.111001	EF12.ABTWF200C0.1110.01	D	20 A	Screw-on	White	Embossed -/O	46.95	41.73	37.56	35.47
EF12572.111001	EF12.ABDWF200C0.1110.01	D	20 A	Screw-on	White	Embossed -/O	49.59	44.08	39.68	37.47
EF12699.211001	EF12.ABDWF160C0.2110.01	D	16 A	Screw-on	White	Embossed -/O	46.90	41.69	37.52	35.43

HURTER CG SERIES POWER ENTRY MODULES

lfications:
ed Voltage: 125/250VAC
minals: .187"QC

Features:
- All single elements are already partially wired
- Qualified for use in equipment according to IEC/EN 60950
- Appliance inlet, line switch, fuseholder with interchangeable fusedrawer, series-parallel voltage selector, line filter all in one.

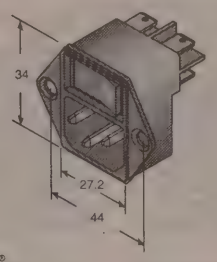
For quantities of 100 and up, call for quote.

ge selector and fusedrawer must be ordered separately.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Line Switch	Fuseholder	Filter Type	Inductance L1/L2 (mH)	Price Each			
								1	10	25	50
-CG10.6101.151	CG10.6101.151	E	1 A	2-pole	2-pole	Standard	2 x 10	53.15	47.25	42.52	40.16
-CG20.6101.151	CG20.6101.151	E	2 A	2-pole	2-pole	Standard	2 x 4	53.15	47.25	42.52	40.16
-CG30.6101.151	CG30.6101.151	E	4 A	2-pole	2-pole	Standard	2 x 1.5	53.15	47.25	42.52	40.16
-CG40.6101.151	CG40.6101.151	E	6 A	2-pole	2-pole	Standard	2 x 0.8	53.15	47.25	42.52	40.16
-CG60.6101.151	CG60.6101.151	E	10 A	2-pole	2-pole	Standard	2 x 0.3	53.15	47.25	42.52	40.16
-CGC0.6101.151	CGC0.6101.151	E	4 A	2-pole	2-pole	Medical	2 x 1 5	58.53	52.03	46.83	44.23
-CGE0.6101.151	CGE0.6101.151	E	6 A	2-pole	2-pole	Medical	2 x 0.8	58.54	52.03	46.83	44.23
-CGL0.6101.151	CGL0.6101.151	E	10 A	2-pole	2-pole	Medical	2 x 0.3	58.54	52.03	46.83	44.23
sedrawers for CG Series											
-4303.2014.01	4303.2014.01	Standard 2-pole with voltage selector 100/120/220/240						4.71	4.19	3.77	3.56
-4303.2024.01	4303.2024.01	Medical 2-pole with voltage selector 100/120/220/241						5.24	4.66	4.19	3.96
-4303.2401	4303.2401	Standard 2-pole black						2.66	2.37	2.13	2.01
-4303.2403	4303.2403	Medical 2-pole black						4.24	3.77	3.39	3.20
-4303.2411	4303.2411	Standard 2-pole black w/ neutral side shorting bar						5.62	5.00	4.50	4.25
-4303.2413	4303.2413	Medical 2-pole black w/ neutral side shorting bar						5.62	5.00	4.50	4.25

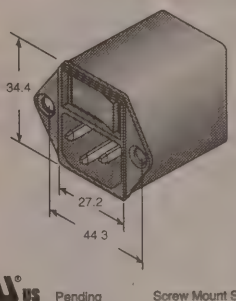
DIMENSIONS: mm

A



Screw Mount Shown

B



Pending Screw Mount Shown

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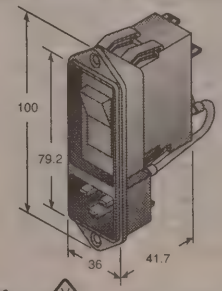

Screw Mount Shown

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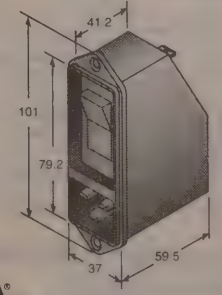

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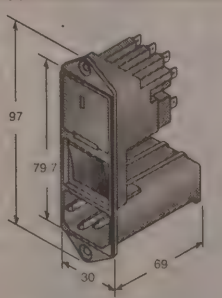


Shown with Voltage Selector and Fusedrawer (Sold Seperately)

SCHURTER ELECTRONIC COMPONENTS DC21/DC22 SERIES: PCB MOUNT, COMPACT POWER ENTRY MODULES

Specifications:

- Screw-on rear side panel mount
- Panel thickness: DC21 - max. 3.5mm; DC22 - max. 4.0mm
- Non-illuminated 2-pole switch
- Inrush current: 100A 3-4ms, 5 A continuous
- Switch and inlet pre-wired for 3-pin (L, N, & E) installation
- DC21 inlet and switch only; DC22 with EMC-shielded filter
- Qualified for use in equipment according to IEC/EN 60950
- Switch UL1054 rating: 20A @ 125VAC
- DC22 also available with medical version filter

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Description	Price Each 1	10	25	50
693-DC21.0021.1111	DC21.0021.1111	A	10 A	Switch and inlet, covered	8.01	7.12	6.41	6.05
693-DC22.1121.111	DC22.1121.111	B	1 A	Switch, inlet, EMC filter	26.15	23.24	20.92	19.75
693-DC22.2121.111	DC22.2121.111	B	2 A	Switch, inlet, EMC filter	26.15	23.24	20.92	19.75
693-DC22.4121.111	DC22.4121.111	B	4 A	Switch, inlet, EMC filter	26.15	23.24	20.92	19.75
693-DC22.6121.111	DC22.6121.111	B	6 A	Switch, inlet, EMC filter	26.15	23.24	20.92	19.75
693-DC22.9121.111	DC22.9121.111	B	10 A	Switch, inlet, EMC filter	28.14	25.02	22.51	21.26

SCHURTER ELECTRONIC COMPONENTS 5110 SERIES: AC INLETS WITH STANDARD RFI LINE FILTER

Specifications:

- For "cold" connections 70° C.
- Class I level of protection (with ground terminal); IEC320/C14
- Terminals: .250" quick connect
- Ratings: c-UL-us - 1A-15A/250V; VDE - 1A-10A/250V
- Max. leakage current: Standard - <0.5mA; Medical - <5µA
- Designed to replace discrete filters that require wiring between the filter and panel inlet.
- Medical units qualify for use in equipment with safety requirements according to IEC 601-1

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Inductance	Mounting Type	Price Each 1	10	25	50
With Standard RFI filter									
693-5110.0133.1	5110.0133.1	C	1 A	11 mH	Screw-on	13.50	12.00	10.80	10.20
693-5110.0143.1	5110.0143.1	D	1 A	11 mH	Snap-in	13.50	12.00	10.80	10.20
693-5110.0333.1	5110.0333.1	C	3 A	2.5 mH	Screw-on	13.50	12.00	10.80	10.20
693-5110.0343.1	5110.0343.1	D	3 A	2.5 mH	Snap-in	13.50	12.00	10.80	10.20
693-5110.0633.1	5110.0633.1	C	6 A	0.7 mH	Screw-on	13.50	12.00	10.80	10.20
693-5110.0643.1	5110.0643.1	D	6 A	0.7 mH	Snap-in	13.50	12.00	10.80	10.20
693-5110.0833.1	5110.0833.1	C	8 A	0.6 mH	Screw-on	13.50	12.00	10.80	10.20
693-5110.0843.1	5110.0843.1	D	8 A	0.6 mH	Snap-in	13.50	12.00	10.80	10.20
693-5110.1033.1	5110.1033.1	C	10 A	0.4 mH	Screw-on	13.50	12.00	10.80	10.20
693-5110.1043.1	5110.1043.1	D	10 A	0.4 mH	Snap-in	13.50	12.00	10.80	10.20
693-5110.1533.1	5110.1533.1	C	15 A	0.1 mH	Screw-on	13.50	12.00	10.80	10.20
693-5110.1543.1	5110.1543.1	D	15 A	0.1 mH	Snap-in	13.50	12.00	10.80	10.20
With Medical RFI filter									
693-5110.0133.3	5110.0133.3	C	1 A	11 mH	Screw-on	13.50	12.00	10.80	10.20
693-5110.0143.3	5110.0143.3	D	1 A	11 mH	Snap-in	13.50	12.00	10.80	10.20
693-5110.0333.3	5110.0333.3	C	3 A	2.5 mH	Screw-on	13.50	12.00	10.80	10.20
693-5110.0343.3	5110.0343.3	D	3 A	2.5 mH	Snap-in	13.50	12.00	10.80	10.20
693-5110.0633.3	5110.0633.3	C	6 A	0.7 mH	Screw-on	13.50	12.00	10.80	10.20
693-5110.0643.3	5110.0643.3	D	6 A	0.7 mH	Snap-in	13.50	12.00	10.80	10.20
693-5110.0833.3	5110.0833.3	C	8 A	0.6 mH	Screw-on	13.50	12.00	10.80	10.20
693-5110.0843.3	5110.0843.3	D	8 A	0.6 mH	Snap-in	13.50	12.00	10.80	10.20
693-5110.1033.3	5110.1033.3	C	10 A	0.4 mH	Screw-on	13.50	12.00	10.80	10.20
693-5110.1043.3	5110.1043.3	D	10 A	0.4 mH	Snap-in	13.50	12.00	10.80	10.20
693-5110.1533.3	5110.1533.3	C	15 A	0.1 mH	Screw-on	13.50	12.00	10.80	10.20
693-5110.1543.3	5110.1543.3	D	15 A	0.1 mH	Snap-in	13.50	12.00	10.80	10.20

SCHURTER ELECTRONIC COMPONENTS C20F SERIES: AC INLETS WITH HIGH CURRENT RFI LINE FILTER

Specifications:

- For "cold" connections 65° C.
- Class I level of protection (with ground terminal); IEC320/C20
- Terminals: .250" quick connect
- Ratings: UL/CSA - 20A 110/250V; VDE - 16A/250V
- C20F.0002 qualifies for use in equipment with safety requirements according to IEC 601-1
- 15A rating for cordset is max. rating for NEMA 5-15P
- Designed to replace discrete filters that require wiring between the filter and panel inlet.
- Max. leakage current: Standard - <0.5mA; Medical - <5µA

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Inductance	Mounting Type	Price Each 1	10	25	50
With Standard RFI filter									
693-C20F.0001	C20F.0001	E	20 A	0.3 mH	Screw-on	25.17	22.37	20.14	19.02
With Medical RFI filter									
693-C20F.0002	C20F.0002	E	20 A	0.3mH	Screw-on	25.17	22.37	20.14	19.02

SCHURTER ELECTRONIC COMPONENTS KFB SERIES: AC INLET WITH RFI LINE FILTER AND LINE SWITCH

Specifications:

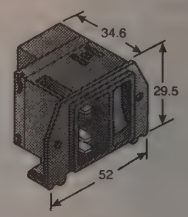
- For "cold" connections 70° C.
- Class I level of protection (with ground terminal); IEC320/C14
- Terminals: .250" quick connect
- Max. leakage current: Standard - <0.5mA; Medical - <5µA
- Screw mount from front or rear
- Medical units qualify for use in equipment with safety requirements according to IEC 601-1

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Inductance	Mounting Type	Price Each 1	10	25	50
With Standard RFI Filter									
693-4302.5001	4302.5001	F	1 A	10 mH	SPST On-Off	31.41	27.92	25.13	23.73
693-4302.5002	4302.5002	F	2 A	4 mH	SPST On-Off	31.41	27.92	25.13	23.73
693-4302.5003	4302.5003	F	4 A	1.5 mH	SPST On-Off	31.41	27.92	25.13	23.73
693-4302.5004	4302.5004	F	6 A	0.8 mH	SPST On-Off	31.41	27.92	25.13	23.73
693-4302.5005	4302.5005	F	10 A	0.3 mH	SPST On-Off	31.41	27.92	25.13	23.73
693-4302.5311	4302.5311	G	1 A	10 mH	DPST On-Off	36.41	32.36	29.12	27.51
693-4302.5312	4302.5312	G	2 A	4 mH	DPST On-Off	36.41	32.36	29.12	27.51
693-4302.5313	4302.5313	G	4 A	1.5 mH	DPST On-Off	36.41	32.36	29.12	27.51
693-4302.5314	4302.5314	G	6 A	0.8 mH	DPST On-Off	36.41	32.36	29.12	27.51
693-4302.5315	4302.5315	G	10 A	0.3 mH	DPST On-Off	40.28	35.80	32.22	30.43
With Medical RFI Filter									
693-4302.5331	4302.5331	G	1 A	10 mH	DPST On-Off	36.41	32.36	29.12	27.51
693-4302.5335	4302.5335	G	4 A	1.5 mH	DPST On-Off	36.41	32.36	29.12	27.51
693-4302.5337	4302.5337	G	6 A	0.8 mH	DPST On-Off	36.41	32.36	29.12	27.51
693-4302.5339	4302.5339	G	10 A	0.3 mH	DPST On-Off	36.41	32.36	29.12	27.51
Accessories for KFB Series									
693-0888.0004	0888.0004	----	Cord retaining clamp for KFB w/ SPST switch			6.87	6.11	5.50	5.19

DIMENSIONS (mm)

A



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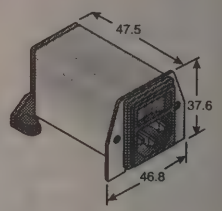

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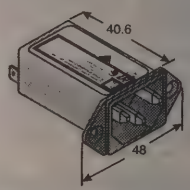

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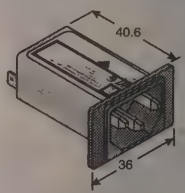

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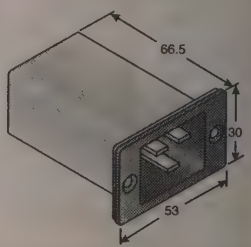

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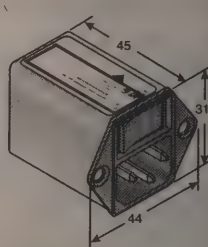

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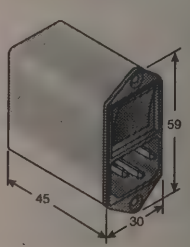


5200/5220 SERIES: AC INLET WITH RFI LINE FILTER AND FUSEHOLDER

ifications:

cold" connections 70° C.
s I level of protection (with ground terminal); IEC320/C14
inals: .250" quick connect

- Max. leakage current: Standard - <0.5mA; Medical - <5µA
- Medical units qualify for use in equipment with safety requirements according to IEC 601-1
- **5X20mm fuses sold separately**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Inductance	Mounting Type	Price Each 1	10	25	50
le with Standard RFI Filter									
5200.0123.1	5200.0123.1	A	1 A	11 mH	Screw-on	22.82	20.28	18.26	17.24
5200.0143.1	5200.0143.1	B	1 A	11 mH	Snap-in	22.82	20.28	18.26	17.24
5200.0423.1	5200.0423.1	A	4 A	1.6 mH	Screw-on	22.82	20.28	18.26	17.24
5200.0623.1	5200.0623.1	A	6 A	0.7 mH	Screw-on	22.82	20.28	18.26	17.24
5200.0643.1	5200.0643.1	B	6 A	0.7 mH	Snap-in	22.82	20.28	18.25	17.24
5200.1023.1	5200.1023.1	A	10 A	0.4 mH	Screw-on	22.82	20.28	18.26	17.24
5200.1043.1	5200.1043.1	B	10 A	0.4 mH	Snap-in	22.82	20.28	18.25	17.24
le with Standard RFI Filter									
5220.0143.1	5220.0143.1	D	1 A	11 mH	Snap-in	25.70	22.85	20.56	19.42
5220.0623.1	5220.0623.1	C	6 A	0.7 mH	Screw-on	25.70	22.85	20.56	19.42
le with Medical RFI Filter									
5200.0443.3	5200.0443.3	B	4 A	1.6 mH	Snap-in	24.66	21.92	19.73	18.63
le with Medical RFI Filter									
5220.0443.3	5220.0443.3	D	4 A	1.6 mH	Snap-in	27.54	24.48	22.04	20.81
5220.0643.3	5220.0643.3	D	6 A	0.7 mH	Snap-in	27.54	24.48	22.04	20.81
essories for 5200 and 5220 Series									
0888.0004	0888.0004	----	Cord retaining clamp for screw-on 5200 and 5220			6.87	6.11	5.50	5.19

KMF SERIES: AC INLETS WITH MAINS FILTER, SWITCH EMC SHIELD, AND FUSEHOLDER

lfications:

"cold" connections 70° C.
ss I level of protection (with ground terminal); IEC320/C14
ninals: .187" quick connect

- DPST switch (On-Off)
- Snap-in mounting from front
- Medical units qualify for use in equipment with safety requirements according to IEC 601-1
- **5X20mm fuses sold separately**
- **Fusedrawers and casings must be ordered separately**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Inductance	Fuseholder	Price Each 1	10	25	50
ing with Standard RFI Filter									
-KMF1.1211.11	KMF1.1211.11	E	1 A	11 mH	1-pole	20.77	18.46	16.61	15.69
-KMF1.1261.11	KMF1.1261.11	E	6 A	0.7 mH	1-pole	20.77	18.46	16.61	15.69
-KMF1.1291.11	KMF1.1291.11	E	10 A	0.4 mH	1-pole	20.77	18.46	16.61	15.69
-KMF1.1111.11	KMF1.1111.11	E	1 A	11 mH	2-pole	22.95	20.40	18.36	17.34
-KMF1.1161.11	KMF1.1161.11	E	6 A	0.7 mH	2-pole	22.95	20.40	18.36	17.34
-KMF1.1191.11	KMF1.1191.11	E	10 A	0.4 mH	2-pole	22.95	20.40	18.36	17.34
ing with Medical RFI filter									
-KMF1.1123.11	KMF1.1123.11	E	6 A	0.7 mH	2-pole	26.24	23.32	20.99	19.82
-KMF1.1193.11	KMF1.1193.11	E	10 A	0.4 mH	2-pole	26.24	23.32	20.99	19.82
edrawers for KMF series									
-4301.1405	4301.1405		Standard, 1-pole, black			1.55	1.37	1.24	1.17
-4301.1407	4301.1407		Medical, 1-pole, black			1.55	1.37	1.24	1.17
-4301.1401	4301.1401		Standard, 2-pole, black			2.66	2.36	2.13	2.01
-4301.1403	4301.1403		Medical, 2-pole, black			2.66	2.36	2.13	2.01
-4301.1413	4301.1413		Standard, 2-pole, black, w/ neutral side shorting bar			3.49	3.10	2.79	2.64
-4301.1415	4301.1415		Medical, 2-pole, black, w/ neutral side shorting bar			3.49	3.10	2.79	2.64

GRF4 SERIES: AC INLETS WITH RFI LINE FILTER AND EMI SHIELD

clfications:

r "cold" connections 70° C.
ass I level of protection (with ground terminal); IEC320/C14
rminals: .187" quick connect
ax. leakage current: Standard - <0.5mA; Medical - <5µA

- Metal shield safeguards equipment against radiated EMI.
- Snap-in design allows pre-wiring before mounting
- Flexible steel claws make multiple contact points on the panel to ensure shield integrity
- Medical units qualify for use in equipment with safety requirements according to IEC 601-1

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Inductance	Mounting Type	Price Each 1	10	25	50
th Standard RFI Filter									
3-GRF4.0417.013	GRF4.0417.013	F	10 A	0.225 mH	Snap-in	10.79	9.59	8.63	8.15
3-GRF4.0419.013	GRF4.0419.013	F	15 A	.075 mH	Snap-in	10.79	9.59	8.63	8.15
th Medical RFI filter									
3-GRF4.0027.013	GRF4.0027.013	F	10 A	0.225 mH	Snap-in	10.79	9.59	8.63	8.15
3-GRF4.0029.013	GRF4.0029.013	F	15 A	.075 mH	Snap-in	10.79	9.59	8.63	8.15

PEM45 SERIES: AC INLET WITH THERMAL CIRCUIT BREAKER AND RFI FILTER

clfications:

C inlet according to IEC 60320/C14
anual reset 2-pole white rocker switch with embossed I/O legend
40 degree of protection on front side

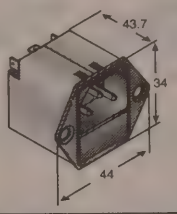
- Screw-on panel mount
- Max. leakage current: Standard - <0.5mA; Medical - <5µA
- Terminals: .250" quick connect

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current CB/Filter	Thermal Overload Protection	Filter Induction	Price Each 1	10	25	50
th Standard RFI Filter									
3-5-ABTWF050C0-511	5-ABTWF050C0-511	G	5 A/6 A	1-pole	0.7 mH	29.20	25.96	23.36	22.06
3-5-ABTWF150C0-811	5-ABTWF150C0-811	G	15 A/15 A	1-pole	0.1 mH	29.20	25.96	23.36	22.06
3-5-ABDWF050C0-511	5-ABDWF050C0-511	G	5 A/6 A	2-pole	0.7 mH	32.41	28.81	25.93	24.49
3-5-ABDWF150C0-811	5-ABDWF150C0-811	G	15 A/15 A	2-pole	0.1 mH	32.41	28.81	25.93	24.49
th Medical RFI Filter									
3-5-ABTWF050C0-531	5-ABTWF050C0-531	G	5 A/6 A	1-pole	0.7 mH	29.20	25.96	23.36	22.06
3-5-ABTWF150C0-831	5-ABTWF150C0-831	G	15 A/15 A	1-pole	0.1 mH	29.20	25.96	23.36	22.06
3-5-ABDWF050C0-531	5-ABDWF050C0-531	G	5 A/6 A	2-pole	0.7 mH	32.41	28.81	25.93	24.49
3-5-ABDWF150C0-831	5-ABDWF150C0-831	G	15 A/15 A	2-pole	0.1 mH	32.41	28.81	25.93	24.49

DIMENSIONS (mm)

A



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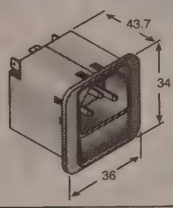

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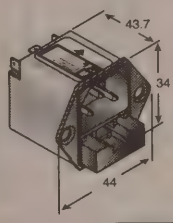

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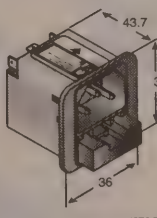
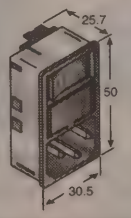


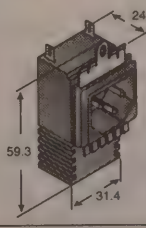
E

(overall depth= 40.35mm)



(Fusedrawer sold separately)

F



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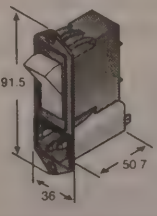
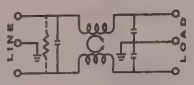


Power Filters

KOBICONN POWER FILTERS

Specifications:
- Rated voltage: 115/250 VAC
- Power line frequency: 50/60 Hz
- Rated current: 1, 3, 6, 8 and 10 amps
- Maximum leakage current: line-to-ground @ 115 VAC 60 Hz 0.25 mA @ 250 VAC 50 Hz 0.50 mA
- Test voltage: line-to-ground: 2250 VDC, one minute line-to-line: 1450 VDC, one minute
- Typical insertion loss (dB): Line-to-ground in 50 Ω system

Applications:
- Computer and peripherals equipment
- Digital precision instruments
- Data processing equipment
- Switching power supplies
- Other electronic equipment



AB and AC Series

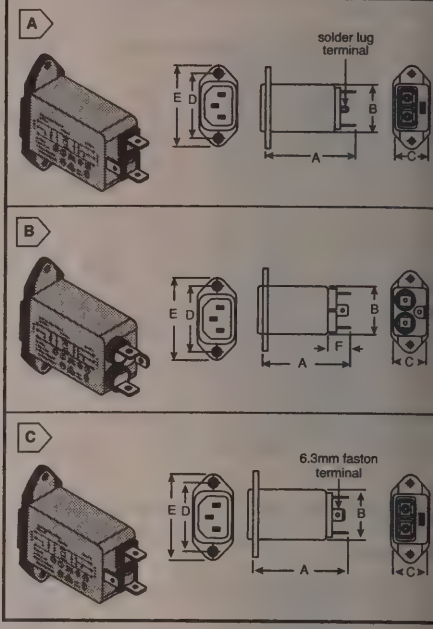
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Rated Current (Amps)	Case Dim. (In.) A	B	C	Mounting Dim. (In.) D	E	Price Each 1	10	25	50
AB Series											
437-01AB1	A	1	2.236	1.204	.824	2.012	1.604	5.00	4.63	4.27	3.92
437-03AB1	A	3	2.236	1.204	.824	2.012	1.604	6.02	5.59	5.16	4.73
437-06AB1	A	6	2.236	1.204	.824	2.012	1.604	6.25	5.80	5.35	4.91
AC Series											
437-01AC1	A	1	2.024	1.204	.824	2.012	1.604	5.00	4.63	4.27	3.92
437-03AC1	A	3	2.024	1.204	.824	2.012	1.604	6.02	5.59	5.16	4.73
437-06AC1	A	6	2.024	1.204	.824	2.012	1.604	6.25	5.80	5.35	4.91

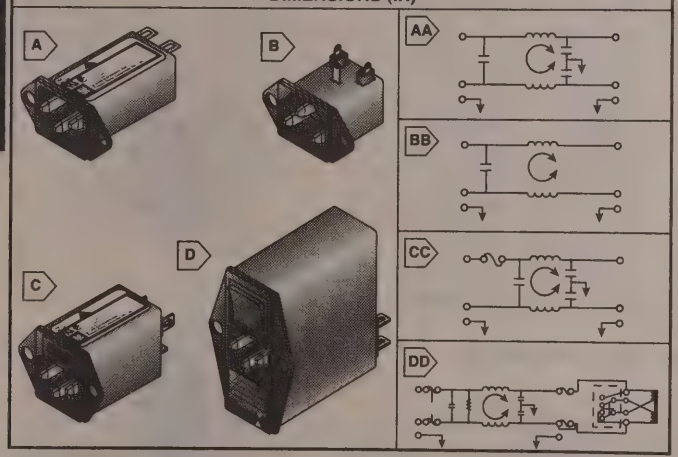
AE- AF Series

Series AE											
437-01AE1	B	1	2.236	1.168	.84	2.012	1.6	4.68	4.34	4.01	3.67
437-03AE1	B	3	2.236	1.168	.84	2.012	1.6	5.21	4.84	4.46	4.09
437-06AE1	B	6	2.236	1.168	.84	2.012	1.6	5.74	5.33	4.92	4.51
437-10AE1	B	10	2.236	1.168	.84	2.012	1.6	6.78	6.30	5.81	5.32
Series AF											
437-01AF1	C	1	2.16	1.168	.84	2.012	1.6	4.68	4.34	4.01	3.67
437-03AF1	C	3	2.16	1.168	.84	2.012	1.6	5.21	4.84	4.46	4.09
437-06AF1	C	6	2.16	1.168	.84	2.012	1.6	5.74	5.33	4.92	4.51
437-10AF1	C	10	2.16	1.168	.84	2.012	1.6	6.78	6.30	5.81	5.32

DIMENSIONS (mm)



DIMENSIONS (IN)



Provide effective EMI suppression on line-to-ground (common mode) and low frequency line-to-line (differential mode) noise while saving space and reducing cost.

Specifications:
- Maximum leakage current each line-to-ground @ 115VAC 60Hz: .2mA @ 250VAC 50Hz: .4mA
- Rated voltage: 115/250VAC
- Hipot rating (one minute) line-to-ground: 2250VDC; line-to-line: 1450VDC
- Operating frequency: 50-60Hz

Qualtek ELECTRONICS CORPORATION — MEDICAL FILTERS

Use Circuit Diagram BB

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Inductance	Rated Current @ 250VAC	Dimensions (In.) H	L	W	Price Each 1	25	50
562-857-01/37	857-01/037	A	5.0mH	1A	.82	2.10	2.05	5.00	4.50	4.10
562-857-03/38	857-03/038	A	1.8mH	3A	.82	2.10	2.05	5.40	4.80	4.40
562-857-06/39	857-06/039	A	.6mH	6A	.82	2.10	2.05	5.00	4.50	4.10
562-857-10/40	857-10/040	A	.18mH	10A	.82	2.10	2.05	5.50	4.90	4.40

Qualtek ELECTRONICS CORPORATION — GENERAL PURPOSE IEC CONNECTOR FILTERS

Use Circuit Diagram AA

For quantities of 100 and up, call for quote.

562-857-01/5	857-01/005	A	5mH	1A	.88	2.10	2.06	6.50	5.75	5.05
562-857-01/46	857-01/046	B	5mH	1A	.88	1.50	1.58	7.10	6.39	5.75
562-857-03/17	857-03/017	A	1.8mH	3A	.88	2.10	2.06	5.80	5.25	4.80
562-857-03/47	857-03/047	B	2.3mH	3A	.88	1.67	1.58	6.95	6.25	5.70
562-857-06/27	857-06/027	A	.6mH	6A	.88	2.10	2.06	5.80	5.20	4.69
562-857-06/48	857-06/048	B	.6mH	6A	.88	1.67	1.68	6.10	5.50	5.00
562-857-10/33	857-10/033	A	.18mH	10A	.88	2.10	2.06	6.05	5.35	4.85
562-857-10/49	857-10/049	B	.18mH	10A	.88	1.55	1.99	7.72	7.00	6.39

Qualtek ELECTRONICS CORPORATION — HIGH PERFORMANCE IEC CONNECTOR FILTERS

Provide effective EMI suppression of line-to-ground and low frequency line-to-line noise.

Specifications:
- Maximum leakage current each line-to-ground @ 115VAC 60Hz: .25mA @ 250VAC 50Hz: .45mA
- Rated voltage: 115/250VAC
- Hipot rating (one minute) line-to-ground: 2250VDC; line-to-line: 1450VDC
- Operating frequency: 50-60Hz

Use Circuit Diagram AA

For quantities of 100 and up, call for quo

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Inductance	Rated Current @ 250VAC	Dimensions (In.) H	L	W	Price Each 1	25	50
562-858-01/3	858-01/003	A	6.5mH	1A	.88	2.12	1.58	6.35	5.50	5.0
562-858-03/7	858-03/007	A	2.5mH	3A	.88	2.12	1.58	6.35	5.50	5.0
562-858-06/11	858-06/011	A	.8mH	6A	.88	2.12	1.58	6.35	5.50	5.0
562-858-10/15	858-10/015	A	.2mH	10A	.88	2.12	1.58	6.00	5.40	4.9

Qualtek ELECTRONICS CORPORATION — GENERAL PURPOSE FUSED IEC CONNECTOR FILTERS

Designed for one 5mm x 20mm fuse and a spare fuse with a safety interlock that prevents fuse removal with power cord inserted.

Specifications:
- Maximum leakage current each line-to-ground @ 115VAC 60Hz: .25mA @ 250VAC 50Hz: .45mA
- Rated voltage: 115/250VAC
- Hipot rating (one minute) line-to-ground: 2250VDC; line-to-line: 1450VDC
- Operating frequency: 50-60Hz

Use Circuit Diagram CC

For quantities of 100 and up, call for quo

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Inductance	Rated Current @ 250VAC	Dimensions (In.) H	L	W	Price Each 1	25	50
562-860-02/1	860-02/001	C	2.4mH	2A	1.29	2.54	1.73	10.88	10.20	9.6
562-860-04/3	860-04/003	C	2.8mH	4A	1.29	2.23	1.73	12.95	12.00	11.1
562-860-06/5	860-06/005	C	1.3mH	6A	1.29	2.54	1.73	11.00	10.40	10.2

Qualtek ELECTRONICS CORPORATION — MULTI-FUNCTION MODULE FILTER

Effectively suppress EMI noise, both line-to-ground (common mode) and line-to-line (differential mode) for general applications. Compact design provides significant savings in space and cost compared with individual components.

Specifications:
- Maximum leakage current each line-to-ground @ 115VAC 60Hz: .25mA @ 250VAC 50Hz: .45mA
- Rated voltage: 115/250VAC
- Hipot rating (one minute) line-to-ground: 2250VDC; line-to-line: 1450VDC
- Operating frequency: 50-60Hz

Use Circuit Diagram DD 5 x 20mm Fuse sold separately

For quantities of 100 and up, call for qu

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Inductance	Rated Current @ 250VAC	Dimensions (In.) H	L	W	Price Each 1	25	5
562-864-03/1	864-03/001	D	8.0mH	3A	2.58	3.51	1.99	27.93	24.37	22
562-864-03/3	864-03/003	D	8.0mH	3A	2.58	3.51	1.99	27.93	24.37	22
562-864-06/5	864-06/005	D	2.5mH	6A	2.58	3.51	1.99	27.93	24.37	22
562-864-06/7	864-06/007	D	2.5mH	6A	2.58	3.51	1.99	27.93	24.37	22
562-864-10/9	864-10/009	D	1.6mH	10A	2.58	3.51	1.99	27.93	24.37	22
562-864-10/11	864-10/011	D	1.6mH	10A	2.58	3.51	1.99	27.93	24.37	22

POWER PLUGS

n Male DC Power Plug

• Mates with most laptop computers

For quantities of 1000 and up, call for quote.

USER CK NO.	Fig.	Description	Price Each 1	10	100	500
014	A	Barrel 1.4mm x 3.4mm x 6.5mm x 9mm, black use/w 163-2243, 5A@18VDC	1.16	.89	.81	.74

Solder Terminals

For quantities of 1000 and up, call for quote.

218	B	Barrel 0.7mm x 2.35mm x 9.5mm, black, 2A@3.15VDC	1.22	1.01	.92	.83
118	C	Barrel 0.7mm x 2.35mm x 9.5mm, R/A black, 2A@3.15VDC	1.18	.99	.89	.81

m Solder Terminals

For quantities of 1000 and up, call for quote.

1332	D	Barrel 1.3mm x 3.5mm x 5mm, black locking detent,1A@50VDC	1.07	.82	.74	.69
209	E	Barrel 1.3mm x 3.5mm x 9.1mm, blk locking detent,1A@12VDC	1.05	.81	.62	.56
224	F	Barrel 1.3mm x 3.4mm x 9mm, blk lkg detent R/A,0.5A@12VDC	1.11	.86	.78	.71
1321	B	Barrel 1.3mm x 3.5mm x 9.1mm, black w/reiief, 0.5A@12VDC	.84	.65	.59	.55
1311	D	Barrel 1.3mm x 3.5mm x 9.1mm, black, 0.5A@12VDC	.86	.67	.61	.55
200	D	Barrel 1.3mm x 3.4mm x 9mm, black, 0.5A@12VDC	1.10	.84	.77	.70
210	B	Barrel 1.3mm x 3.4mm x 8.9mm, black with relief, 2A@12VDC	1.10	.84	.77	.70

m Solder Terminals

For quantities of 1000 and up, call for quote.

219	B	Barrel 1.7mm x 4.0mm x 9.5mm, black, 2A@3.15V-6.3VDC	1.09	.91	.82	.75
220	B	Barrel 1.7mm x 4.75mm x 9.5mm, black, 2A@6.3V-10.5VDC	1.09	.91	.82	.75
221	C	Barrel 1.7mm x 4.0mm x 9.5mm R/A black, 2A@6.3VDC	1.18	.99	.89	.81
222	C	Barrel 1.7mm x 4.75mm x 9.5mm R/A black, 2A@10.5VDC	1.18	.99	.89	.81

m Solder Terminals

For quantities of 1000 and up, call for quote.

USER CK NO.	Fig.	Description	Price Each 1	10	100	500
2132	G	Barrel 2.1mm x 5.5mm x 7.5mm black locking, 1A@12VDC	.78	.53	.49	.44
2131	G	Barrel 2.1mm x 5.5mm x 9.9mm, black, 0.5A@12VDC	.65	.44	.40	.36
2122	G	Barrel 2.1mm x 5.5mm x 14.0mm, gray, 0.5A@12VDC	.74	.49	.45	.41
2110	G	Barrel 2.1mm x 5.5mm x 9mm, black, 1.5A@24VDC	.57	.44	.40	.36
2111	G	Barrel 2.1mm x 5.5mm x 14.0mm, black, 0.5A@12VDC	.74	.49	.45	.41
2112	H	Barrel 2.1mm x 5.5mm x 9.5mm, gray, 1.5A@24VDC	.57	.44	.40	.36
2120	H	Barrel 2.1mm x 5.5mm x 9.5mm black locking, 1A@50VDC	.66	.45	.41	.37
215	I	Barrel 2.1mm x 5.5mm x 9.5mm, R/A black, 0.5A@12VDC	.83	.64	.58	.53
217	B	Barrel 2.1mm x 5.5mm x 9.5mm, black with relief, 0.5A@12VDC	1.08	.90	.82	.74
-0721	B	Barrel 2.1mm x 5.5mm x 8.9mm, black with relief, 1A@50VDC	.76	.58	.53	.48
721	J	Locking, use with 161-0721 and 163-1000 only, 1.5A@18VDC	1.33	.99	.93	.85
7391	K	Ring lock, Barrel 2.1mm x 5.5mm x 9.5mm use/w 163-7421	3.52	2.94	2.67	2.43

m Solder Terminals

For quantities of 1000 and up, call for quote.

-2532	G	Barrel 2.5mm x 5.5mm x 7.5mm black locking, 1A@12VDC	.78	.53	.49	.44
-2512	G	Barrel 2.5mm x 5.5mm x 9.9mm, gray, 0.5A@12VDC	.65	.44	.40	.36
-2521	G	Barrel 2.5mm x 5.5mm x 9.9mm, black, 0.5A@12VDC	.65	.44	.40	.36
3225	L	Barrel 2.5mm x 5.5mm x 9.9mm, nickel pltd brass	1.27	.98	.89	.81
-2510	H	Barrel 2.5mm x 5.5mm x 9.5mm black, 1.5A@24VDC	.57	.44	.40	.36
-2511	H	Barrel 2.5mm x 5.5mm x 9.5mm, gray, 1.5A@24VDC	.57	.44	.40	.36
-2522	H	Barrel 2.5mm x 5.5mm x 9.5mm black locking, 1A@50VDC	.66	.45	.41	.37
-2531	G	Barrel 2.5mm x 5.5mm x 14.0mm, black, 0.5A@12VDC	.74	.49	.45	.41
3216	I	Barrel 2.5mm x 5.5mm x 9.5mm, R/A black, 0.5A@12VDC	.83	.64	.58	.53
0702	B	Barrel 2.5mm x 5.5mm x 9.5mm, black with relief, 1A@12VDC	1.08	.90	.82	.74
-0725	B	Barrel 2.5mm x 5.5mm x 8.9mm, black with relief, 1A@50VDC	.76	.58	.53	.48
0725	J	Locking, use with 161-0725 and 163-1100 only, 1.5A@18VDC	1.33	.99	.93	.85
7395	K	Ring lock, Barrel 2.5mm x 5.5mm x 9.5mm use/w 163-7425	3.52	2.94	2.67	2.43
MP214	M	Barrel 2.5mm x 5.5mm x 12.7mm, low voltage 13.5VDC 2A Mates with 163-510DJ	1.96	1.51	1.16	.89

STOM MOLDING PLUGS

ures:
kel plated brass contacts
al for molding to your cable

For quantities of 1000 and up, call for quote.

OUSER OCK NO.	Fig.	Description	Price Each 1	10	100	500
-3213	N	DC power plug, 1.3mm x 3.4mm x .51", 2A@12VDC	.74	.57	.52	.47
-3211	O	DC power plug, 2.1mm x 5.5mm x .48", 0.5A@12VDC	.54	.36	.32	.29
-3212	O	DC power plug, 2.5mm x 5.5mm x .48", 0.5A@12VDC	.54	.36	.32	.29
-0722	P	Locking, use with 161-0721 & 163-1000 only, 1.5A@18VDC	.58	.38	.35	.32
-0726	P	Locking, use with 161-0725 & 163-1100 only, 1.5A@18VDC	.58	.38	.35	.32

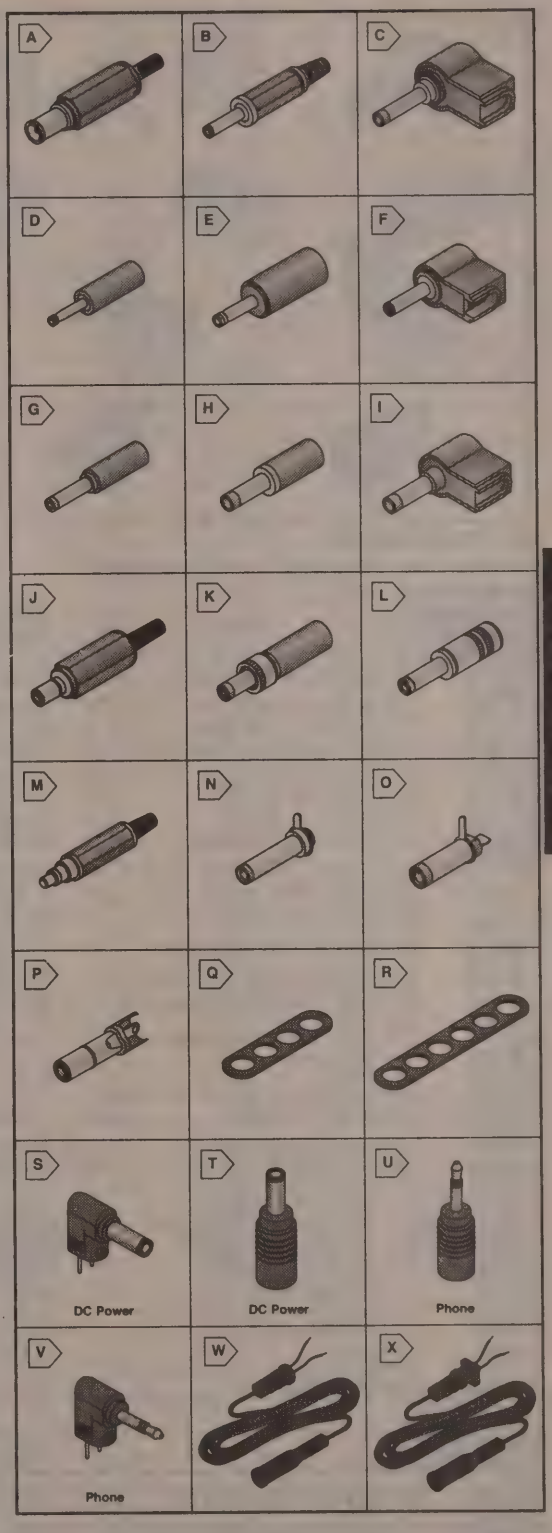
PS, CORDS AND HOLDERS

PRODUCT NEW

your own kit.

For quantities of 500 and up, call for quote.

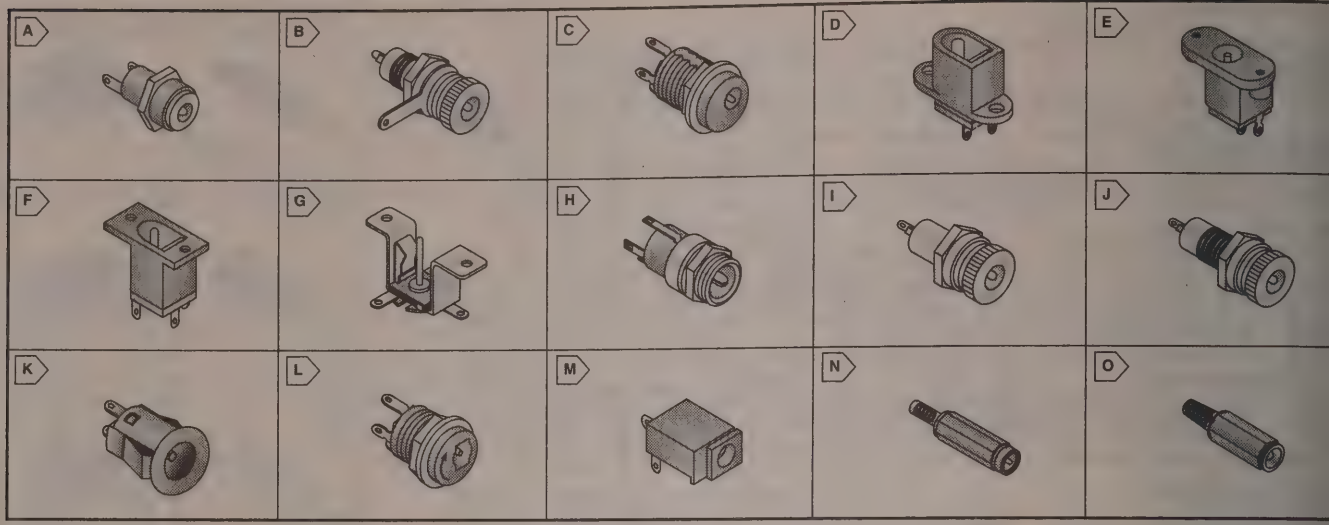
MOUSER STOCK NO.	Fig.	Color	Description	Price Each 1	25	50	100
-TIP-4H-1C00	Q	Black	Holder 4	.38	.29	.19	.10
-TIP-6H-1C00	R	Black	Holder 6	.38	.29	.19	.10
-23507TIP	S	Black	DC Power Plug 2.35 - Right Angle	1.90	1.46	.97	.51
-23507-ST	T	Yellow	DC Power Plug 2.35 - Straight	1.90	1.46	.97	.51
-4017TIP	S	Yellow	DC Power Plug 4.0 - Right Angle	1.90	1.46	.97	.51
-4017-ST	T	Yellow	DC Power Plug 4.0 - Straight	2.02	1.55	1.03	.54
-50P10TIP	S	Yellow	DC Power Plug 5.0 - Right Angle	1.56	1.20	.80	.42
-5521TIP	S	Blue	DC Power Plug 5.5 - Right Angle	1.56	1.20	.80	.42
-5521-ST	T	Blue	DC Power Plug 5.5 - Straight	1.56	1.20	.80	.42
-5525TIP	S	White	DC Power Plug 5.5 - Right Angle	1.56	1.20	.80	.42
-5525-ST	T	White	DC Power Plug 5.5 - Straight	1.78	1.37	.91	.48
-6330TIP	S	Green	DC Power Plug 6.3 - Right Angle	1.56	1.20	.80	.42
-3413TIP	S	Orange	DC Power Plug 3.4 - Right Angle	1.56	1.20	.80	.42
-3413-ST	T	Orange	DC Power Plug 3.4 - Straight	1.56	1.20	.80	.42
-25MP-ST	U	Black	Phone Plug 2.5 - Straight	1.56	1.20	.80	.42
-25MPTIP	V	Black	Phone Plug 2.5 - Right Angle	1.56	1.20	.80	.42
-35MP-ST	U	Black	Phone Plug 3.5 - Straight	1.56	1.20	.80	.42
-35MPTIP	Y	Yellow	Phone Plug 3.5 - Right Angle	7.09	5.45	3.63	1.91
-CABLE-1	W	Black	Cable 2PIN (+TIP)	7.09	5.45	3.63	1.91
-CABLE-2	X	Black	Cable 2PIN (+/-)				



Adapter Plug Replacement Set and Tips

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each 1	5	10	20
173-TIP-EDAC-5	6 Piece Kit Right Angle	7.87	6.56	4.37	2.30
173-TIP-1EDAC-2	6 Piece Kit Straight	7.87	6.56	4.37	2.30
173-TIP-EDAC-6	4 Piece Kit Right Angle	5.44	4.53	3.02	1.59
173-TIP-1EDAC-3	4 Piece Kit Straight	5.44	4.53	3.02	1.59



DC POWER JACKS

Most feature Phosphor bronze springs, brass pins, and terminals

Chassis/Panel Mount

For quantities of 1,000 and up, call for q

MOUSER STOCK NO.	Fig.	Description	Voltage Rating	Current Rating	Mating/Plg. O.D. (mm)	Center Pin (mm)		Price Each			
						D	L	1	10	100	50
.7mm											
163-4007	A	Front mount, plastic thread	3.15 VDC	2 A	2.35	0.65	9.00	.96	.78	.71	.6
1.3mm											
163-4013	B	Metal overall length .85"	15 VDC	3 A	3.50	1.20	9.80	2.35	1.96	1.78	1.6
163-4012	A	Front mount, plastic thread	12 VDC	0.5 A	3.50	1.30	9.00	.96	.78	.71	.6
163-4015	A	Front mount, plastic thread	12 VDC	0.5 A	3.40	1.30	9.00	.96	.78	.71	.6
1.7mm											
163-4017	C	Front mount, NC switch	6.3 VDC	2 A	4.00	1.65	9.00	1.38	1.16	.81	.7
163-4018	A	Front mount, plastic thread	6.3 VDC	2 A	4.00	1.65	9.00	1.02	.78	.71	.6
163-4117	C	Front mount, NC switch	10.5 VDC	2 A	4.75	1.65	9.00	1.38	1.16	.81	.7
163-4118	A	Front mount, plastic thread	10.5 VDC	2 A	4.75	1.65	9.00	.96	.78	.71	.6
2.1mm											
16PJ723	D	Molded, economy with NC switch	30 VDC	0.3 A	5.50	2.00	7.20	.50	.33	.30	.2
16PJ222	D	Molded, standard with NC switch	12 VDC	0.5 A	5.50	2.00	7.20	.74	.57	.52	.4
163-5006	E	Molded with NC switch	12 VDC	1.5 A	5.50	2.00	8.00	.99	.77	.70	.6
163-4300	F	Molded with NC switch	12 VDC	1 A	5.50	2.00	7.50	1.10	.85	.77	.7
16PJ122	G	Open metal frame with NC switch	12 VDC	1 A	5.50	2.00	8.00	1.15	.96	.87	.7
163-4302	C	Round plastic with NC switch	12/24 VDC	0.5 A	5.50	2.00	9.00	1.38	1.16	.81	.7
163-4304	H	Split pin with NC switch t 1-3mm max.	12 VDC	3 A	5.50	2.00	8.00	1.44	1.20	1.09	.9
163-4021	I	Metal overall length 1.06" t 5mm max.	100 VDC	2 A	5.50	2.00	7.50	2.35	1.96	1.78	1.6
163-1021	I	Metal overall length 1.06"	250 VDC	1 A	5.50	2.00	7.50	1.75	1.46	1.33	1.2
163-4022	J	Metal, 1" bushing overall length 1.5"	10 VDC	1 A	5.50	2.00	7.50	4.28	3.57	3.25	2.9
163-4020	I	Metal overall length .78"	3.15-13.5 VDC	2 A	5.50	2.00	9.00	1.75	1.46	1.33	1.2
163-1060	K	Snap-in	12 VDC	0.5 A	5.50	2.00	8.00	.88	.67	.61	.5
163-1000	L	Locking use with 171-0721 or 171-0722	12 VDC	0.5 A	5.50	2.00	8.00	.88	.67	.61	.5
163-2111	M	Black with NC switch	16 VDC	2 A	5.50	2.00	9.00	.71	.47	.43	.3
2.5mm											
163-5007	D	Molded with NC switch	12 VDC	1 A	5.50	2.35	7.20	.39	.26	.24	.2
16PJ221	D	Molded with NC switch	12 VDC	0.5 A	5.50	2.35	7.20	.74	.57	.52	.4
163-5005	E	Molded with NC switch	12 VDC	1.5 A	5.50	2.35	8.00	.99	.77	.70	.6
163-4301	F	Molded with NC switch	12 VDC	1 A	5.50	2.35	7.50	1.10	.84	.77	.7
16PJ121	G	Open metal frame with NC switch	12 VDC	1 A	5.50	2.35	8.00	1.05	.88	.80	.7
163-4303	C	Round plastic with NC switch	12/24 VDC	0.5 A	5.50	2.35	9.00	1.38	1.16	.81	.7
163-4305	H	Split pin with NC switch	12 VDC	3 A	5.50	2.35	8.00	1.44	1.20	1.09	.9
163-4025	I	Metal overall length 1.06"	100 VDC	2 A	5.50	2.35	7.50	2.35	1.96	1.78	1.6
163-1025	I	Metal overall length 1.06"	250 VDC	1 A	5.50	2.35	7.50	1.75	1.46	1.33	1.2
163-4026	J	Metal 1" bushing overall length 1.5"	10 VDC	1 A	5.50	2.35	7.50	4.28	3.57	3.25	2.9
163-4024	I	Metal overall length .78"	3.15-13.5 VDC	2 A	5.50	2.35	9.00	1.75	1.46	1.33	1.2
163-1061	K	Snap-in	12 VDC	1 A	5.50	2.35	8.00	.88	.67	.61	.5
163-1100	L	Locking use with 171-0725 or 171-0726	12 VDC	1 A	5.50	2.35	8.00	.88	.67	.61	.5
163-2531	M	Black with NC switch	16 VDC	2 A	5.50	2.50	9.00	.71	.47	.43	.3

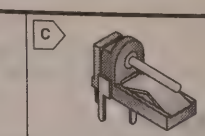
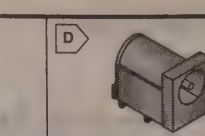
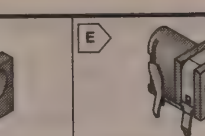
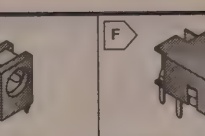
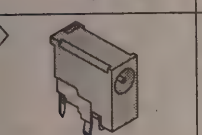
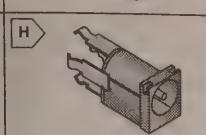
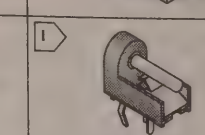
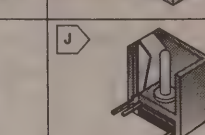
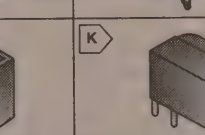
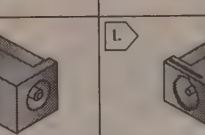
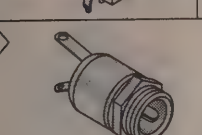
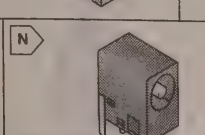
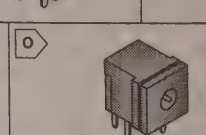
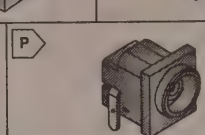
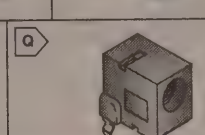
In-Line

For quantities of 1,000 and up, call for q

MOUSER STOCK NO.	Fig.	Description	Voltage Rating	Current Rating	Mating/Plg. O.D. (mm)	Center Pin (mm)		Price Each			
						D	L	1	10	100	5
.7mm											
163-0307	N	Cable mount, Max. Cable O.D. = 4 mm	3.15 VDC	2 A	2.35	0.65	8.50	1.63	1.36	1.23	1
1.3mm											
163-0308	N	Cable mount, Max. Cable O.D. = 4 mm	12 VDC	0.5 A	3.50	1.30	8.50	1.63	1.36	1.23	1
163-0309	N	Cable mount, Max. Cable O.D. = 4 mm	12 VDC	0.5 A	3.40	1.30	8.50	1.63	1.36	1.23	1
1.7mm											
163-0310	N	Cable mount, Max. Cable O.D. = 4 mm	10.5 VDC	2 A	4.75	1.65	8.50	1.63	1.36	1.23	1
163-0311	N	Cable mount, Max. Cable O.D. = 4 mm	6.3 VDC	2 A	4.00	1.65	8.50	1.63	1.36	1.23	1
2.1mm											
163-0300	N	Cable mount, Max. Cable O.D. = 4 mm	12 VDC	1 A	5.50	2.00	8.50	1.63	1.36	1.23	1
163-0302	O	Cable mount, Max. Cable O.D. = 4 mm	3.15-13.5 VDC	2 A	5.50	2.00	9.00	1.73	1.44	1.31	1
2.5mm											
163-0301	N	Cable mount, Max. Cable O.D. = 4 mm	12 VDC	1 A	5.50	2.35	8.50	1.63	1.36	1.23	1
163-0303	O	Cable mount, Max. Cable O.D. = 4 mm	3.15-13.5 VDC	2 A	5.50	2.40	9.00	1.73	1.44	1.31	1

KOBICONN DC Power Jacks

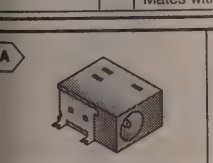
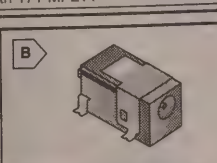
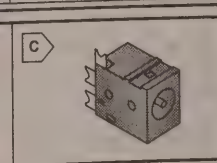
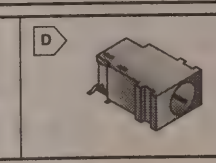
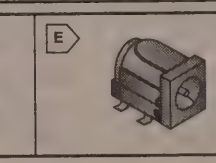
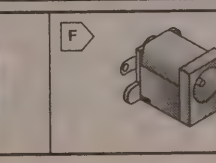
KOBICONN













Laptop Jack




C MOUNT DC POWER JACKS

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Voltage Rating	Current Rating	Mating/Plg. O.D. (mm)	Center Pin (mm) D	Center Pin (mm) L	Price Each 1	Price Each 10	Price Each 100	Price Each 500
mm											
-4307	A	Molded NC switch	3.15 VDC	2 A	2.35	0.65	9.50	.96	.78	.71	.64
-4312	B	Molded with NC switch	3.15 VDC	2 A	2.35	0.65	8.20	1.22	1.01	.92	.83
mm											
-5008	C	Economy, NC switch	--	--	3.40	1.25	5.50	.39	.26	.24	.22
PJ200	C	Open frame, NC switch	12 VDC	0.5 A	3.40	1.20	5.00	.75	.58	.53	.48
-201	D	Molded with NC switch	--	--	3.40	1.20	5.00	1.06	.82	.74	.67
-2513	D	NC Switch, Snap In Pins	6 VDC	0.5 A	4.25	1.30	5.00	.66	.51	.46	.42
mm											
-4310	E	Molded snap mount with NC switch	6.3 VDC	2 A	4.00	1.65	8.50	1.09	.91	.82	.75
-4311	E	Molded snap mount with NC switch	6.3-10.5 VDC	2 A	4.75	1.65	8.50	1.09	.91	.82	.75
-4019	F	Molded NC switch	6 VDC	2 A	4.00	1.65	9.50	.96	.78	.71	.64
-4119	G	Molded NC switch, yellow	10.5 VDC	2 A	4.75	1.65	10.50	.96	.78	.71	.64
mm											
-5004	D	Molded with NC switch	18 VDC	1.5 A	5.50	2.00	8.00	.63	.42	.38	.35
-5013	H	Molded snap mount with NC switch	--	--	5.50	2.00	8.00	.39	.26	.24	.22
-5010	I	Open frame with snap mount, NC sw	12 VDC	1.5 A	5.50	2.00	8.00	.73	.48	.44	.40
PJ031	D	Molded with NC switch	16 VDC	1 A	5.50	2.00	9.00	.66	.50	.46	.42
PJ101	J	Molded with NC switch	12 VDC	1 A	5.50	2.00	5.00	.95	.73	.66	.60
-3140	K	Molded with 2-SPST switches	12 VDC	2 A	5.50	2.00	7.50	2.09	1.74	1.58	1.44
-0721	L	1/4 Turn Lock use/w (171-0721 / 171-0722)	18 VDC	1.5 A	5.50	2.00	- - -	.74	.57	.52	.47
-7421	M	Positive ring lock use with 171-7391	3.15-13.5 VDC	2 A	5.50	2.00	- - -	4.28	3.57	3.25	2.95
-0210	N	Laptop Jack	12 VDC	1 A	5.50	2.50	9.50	.93	.62	.56	.51
mm											
-5012	H	Molded with snap mount and NC sw	--	--	5.50	2.35	8.00	.39	.26	.24	.22
-5003	D	Molded with NC switch	18 VDC	1.5 A	5.50	2.35	8.00	.64	.45	.41	.37
-5011	I	Open frame with snap mount & NC sw	12 VDC	1.5 A	5.50	2.35	8.00	.73	.48	.44	.40
PJ032	D	Molded with NC switch	16 VDC	1 A	5.50	2.35	9.00	.70	.54	.49	.44
PJ223	J	Molded with NC switch	12 VDC	1 A	5.50	2.35	5.00	.95	.73	.66	.60
-4314	O	Molded with 2-SPST switches	12 VDC	1 A	5.50	2.35	7.50	2.24	2.06	1.87	1.71
-0725	L	1/8 Turn Lock use/w (171-0725 / 171-0726)	18 VDC	1.5 A	5.50	2.35	- - -	.74	.57	.52	.47
-7425	M	Positive ring lock use with 171-7395	3.15-13.5 VDC	2 A	5.50	2.35	- - -	4.28	3.57	3.25	2.95
-2243	P	Black with NC switch	18 VDC	2 A	3.40	1.40	9.00	.86	.66	.60	.55
-0212	N	Molded with NC Switch for Laptop	12 VDC	1 A	5.50	2.50	9.50	.93	.62	.56	.51
-510DJ	Q	Low voltage 13.5DC 2A, Locking, Mates with 171-MP214	13.5 VDC	2 A	5.50	2.50	10.50	.95	.73	.56	.43

URFACE MOUNT DC POWER JACKS

NC Switch, Black
Nickel plated brass contacts

- Operating Temperature: -25°C to +70°C
- Operating Life: 5000 cycles min.
- UL94-V0 plastic
- Contact Resistance: 50m ohm Max.

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Voltage Rating	Current Rating	Mating/Plg. O.D. (mm)	Center Pin (mm) D	Center Pin (mm) L	Price Each 1	Price Each 10	Price Each 100	Price Each 500
mm											
63-2307	A	SMT jack with Black NC Switch	4-20 VDC	3 A	2.75	0.65	8.00	.77	.51	.46	.42
3mm											
63-2313	C	SMT jack with Black NC Switch	24 VDC	3 A	3.80	1.30	8.00	.77	.51	.46	.42
63-4213	B	SMT jack with Black NC Switch	6 VDC	0.5 A	3.70	1.30	5.00	.97	.81	.74	.67
7mm											
63-2217	D	SMT jack with Black NC Switch	12 VDC	1 A	5.20	1.60	8.50	.77	.51	.46	.42
1mm											
63-0179	E	SMT jack with Black NC Switch	24 VDC	3.5 A	5.50	2.00	8.00	1.15	.82	.71	.56
63-2121	E	SMT jack with Black NC Switch	24 VDC	3.5 A	6.03	2.00	8.00	.77	.51	.46	.42
63-2421	F	SMT jack with Black NC Switch	13.5 VDC	2.5 A	5.50	2.00	9.00	.83	.55	.49	.45
3mm											
63-0180	E	SMT jack with Black NC Switch	24 VDC	3.5 A	5.50	2.35	8.00	1.15	.82	.71	.56
63-2125	E	SMT jack with Black NC Switch	24 VDC	3.5 A	6.03	2.50	8.00	.77	.51	.46	.42
63-2425	F	SMT jack with Black NC Switch	13.5 VDC	2.5 A	5.50	2.50	9.00	.83	.55	.49	.45

vailable on tape & reel as special order. Add /TR to end of P/N.

KYCON STANDARD DC POWER JACKS (2.0MM AND 2.5MM)

- Built in DC On/Off Switch
- Screw machine contact center pin
- Housing: PBT Thermoplastic, UL94V-0 Rated
- Color: Black
- Rated Current: 3.5 Amps
- Durability: 5000 Cycles
- Operating Temperature: -25°C to +85°C
- Rated Voltage: 24VDC (excluding Vertical SMT Jacks)

* Vertical SMT Jacks: 16VDC rated voltage

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Inner Pin	Price Each 1	25	100	500	1000	5000
Right Angle PCB Jacks									
806-KLD-0202-A	KLD-0202-A	A	2.0mm	.38	.36	.25	.20	.17	.16
806-KLD-0202-B	KLD-0202-B	A	2.5mm	.36	.34	.24	.19	.17	.16
Right Angle PCB Jacks - 1 and 2 Pins Crimped									
806-KLD-0202-AC	KLD-0202-AC	A	2.0mm	.39	.37	.26	.21	.18	.17
806-KLD-0202-BC	KLD-0202-BC	A	2.5mm	.39	.37	.26	.22	.19	.18
Right Angle High Temperature PCB Jacks									
806-KLD-0202-AHT	KLD-0202-AHT	A	2.0mm	.67	.64	.45	.36	.28	.27
806-KLD-0202-BHT	KLD-0202-BHT	A	2.5mm	.67	.63	.45	.35	.29	.28
Vertical PCB Jacks									
806-KLDV-0202-A	KLDV-0202-A	B	2.0mm	.41	.37	.28	.22	.20	.19
806-KLDV-0202-B	KLDV-0202-B	B	2.5mm	.41	.37	.28	.22	.20	.19
*** Vertical High Temperature SMT Jacks**									
806-KLDV-SMT-02-A-TR	KLDV-SMT-02-A-TR	C	2.0mm	1.01	.96	.61	.57	.51	.48
806-KLDV-SMT-02-B-TR	KLDV-SMT-02-B-TR	C	2.5mm	1.01	.96	.61	.57	.51	.48
Right Angle High Temperature Hybrid SMT Jacks - without Center Peg									
806-KLD-SMT-0202-A	KLD-SMT-0202-A	D	2.0mm	.93	.88	.62	.50	.45	.43
806-KLD-SMT-0202-B	KLD-SMT-0202-B	D	2.5mm	.93	.88	.62	.50	.45	.43
Right Angle High Temperature Hybrid SMT Jacks - with Center Peg									
806-KLD-SMT-0202-AP	KLD-SMT-0202-AP	D	2.0mm	.93	.88	.62	.50	.45	.43
806-KLD-SMT-0202-BP	KLD-SMT-0202-BP	D	2.5mm	.93	.88	.62	.50	.45	.43
Right Angle High Temperature SMT Jacks									
806-KLD-SMT2-0202-A	KLD-SMT2-0202-A	E	2.0mm	.97	.92	.59	.52	.47	.44
806-KLD-SMT2-0202-B	KLD-SMT2-0202-B	E	2.5mm	.97	.92	.59	.52	.47	.44
Panel Mount Jacks - Solder Eyelets									
806-KLDP-0207-A	KLDP-0207-A	F	2.0mm	.69	.59	.46	.33	.28	.27
806-KLDP-0207-B	KLDP-0207-B	F	2.5mm	.74	.64	.51	.36	.30	.29

KYCON MINI DC POWER JACKS (1.0MM AND 1.3MM)

- Built in DC On/Off Switch
- Screw machine contact center pin
- Housing: PBT Thermoplastic, UL94V-0 Rated
- Color: Black
- Rated Current: 2.5 Amps
- Durability: 5000 Cycles
- Operating Temperature: -25°C to +85°C
- Rated Voltage: 24VDC

For quantities of 10,000 and up, call for quote.

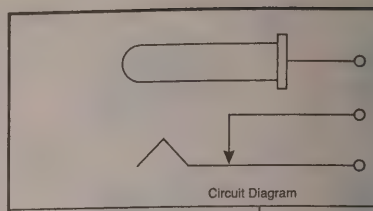
MOUSER STOCK NO.	Kycon Part No.	Fig.	Inner Pin	Price Each 1	25	100	500	1000	5000
Right Angle PCB Jacks - Open Frame									
806-KLD-0101-A	KLD-0101-A	G	1.0mm	.56	.46	.38	.28	.26	.24
806-KLD-0101-B	KLD-0101-B	G	1.3mm	.56	.46	.38	.28	.26	.24
Right Angle PCB Jacks									
806-KLD-0201-A	KLD-0201-A	H	1.0mm	.56	.46	.38	.28	.26	.24
806-KLD-0201-B	KLD-0201-B	H	1.3mm	.56	.46	.38	.28	.26	.24
Right Angle PCB Jacks - 1 and 2 Pins Crimped									
806-KLD-0201-AC	KLD-0201-AC	H	1.0mm	.56	.46	.38	.28	.26	.24
806-KLD-0201-BC	KLD-0201-BC	H	1.3mm	.56	.46	.38	.27	.24	.23
Right Angle High Temperature PCB Jacks									
806-KLD-0201-AHT	KLD-0201-AHT	H	1.0mm	.85	.69	.56	.42	.37	.35
806-KLD-0201-BHT	KLD-0201-BHT	H	1.3mm	.85	.69	.56	.42	.37	.35
Right Angle PCB Jack with LEDs									
806-KLDL-0201BC-G/Y	KLDL-0201BC-G/Y	I	1.3mm	5.04	4.77	3.39	2.76	2.48	2.34
Right Angle High Temperature SMT Jacks									
806-KLD-SMT-0201L-A	KLD-SMT-0201L-A	J	1.0mm	1.23	1.16	.74	.66	.59	.56
806-KLD-SMT-0201L-B	KLD-SMT-0201L-B	J	1.3mm	1.23	1.16	.74	.66	.59	.56

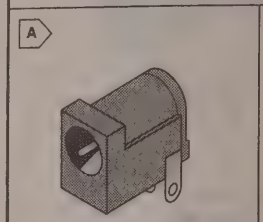
KYCON SNAP AND LOCK DC POWER CONNECTORS

- Snap lock features prevents accidental disconnects
- 3 Position Contact Rating: Pin 1 & Pin 2: 20VDC at 7.5A max.; Pin 3: 20VDC at 1.0A max.
- 4 Position Contact Rating: 20VDC at 7.5A max. for all pins
- Color: Black

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Pin Count	Price Each 1	25	100	500	1000	5000
Right Angle PCB Jacks									
806-KPJ-3S	KPJ-3S	K	3	1.61	1.52	1.08	.90	.81	.77
806-KPJ-4S	KPJ-4S	K	4	1.76	1.66	1.18	.98	.89	.84
Right Angle PCB Shielded Jacks									
806-KPJ-3S-S	KPJ-3S-S	K	3	1.76	1.66	1.18	.98	.89	.84
806-KPJ-4S-S	KPJ-4S-S	K	4	1.91	1.80	1.28	1.07	.96	.91
Cable Mount Plugs									
806-KPP-3P	KPP-3P	L	3	2.80	2.63	2.47	2.38	Call	Call
806-KPP-4P	KPP-4P	L	4	3.41	3.22	2.90	2.73		


Circuit Diagram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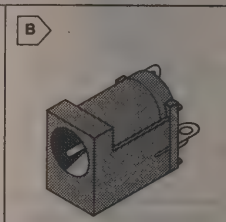
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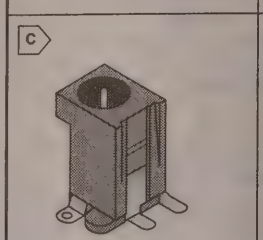
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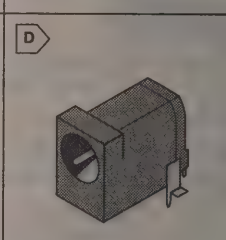
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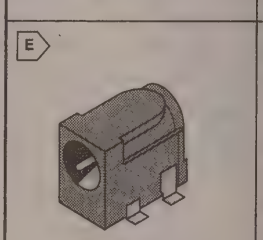
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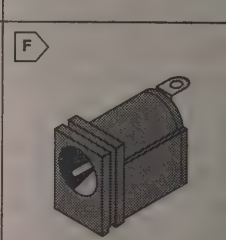
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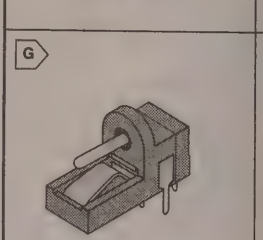
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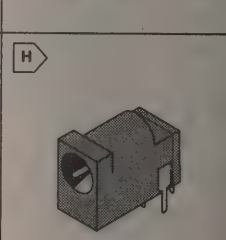
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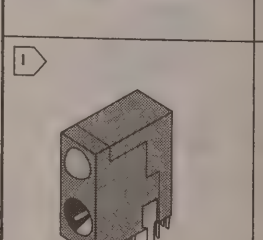
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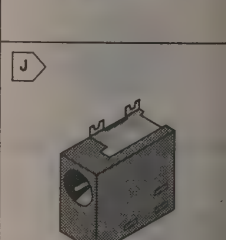
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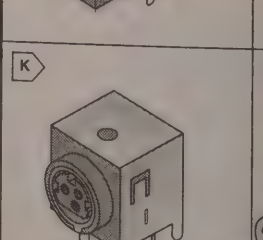
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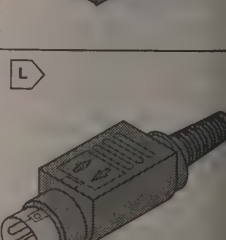

L

KYCON Stereo Audio Jacks

CON 2.5MM STEREO AUDIO JACKS

000: Housing: PBT Thermoplastic, UL94V-0 Rated
bility: 5000 Mating Cycles
500 and ST-2550: Housing: High
erature Thermoplastic, UL94V-0 Rated

- Operating Temperature: -25°C to +80°C
- Terminals: Copper Alloy, Silver over Nickel plating
- Color: Black
- Non-threaded

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Circuit Diagram	Pin Count	Mounting	Price Each					
						1	25	100	500	1000	5000
ST-2000-3N	ST-2000-3N	A	1	3	Thru-Hole	.68	.54	.38	.30	.28	.27
ST-2500-3N	ST-2500-3N	B	1	3	Surface Mount	.79	.62	.44	.35	.31	.29
ST-2550-5N	ST-2550-5N	C	2	5	Surface Mount	1.12	.88	.63	.49	.43	.41

CON 3.5MM STEREO AUDIO JACKS – PCB MOUNT, ALL PLASTIC

ing: PBT Thermoplastic, UL94V-0 Rated
bility: 5000 Mating Cycles
ating Temperature: -25°C to +80°C
Mount and Thru-Hole

- Terminals: Copper Alloy, Tin over Nickel plating
- Color: Black
- Non-threaded
- All Plastic

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Circuit Diagram	Pin Count	Price Each					
					1	25	100	500	1000	5000
ST-3000	ST-3000	D	1	3	.74	.59	.42	.33	.29	.28
ST-3120-3B	ST-3120-3B	E	1	3	.58	.45	.32	.25	.23	.22
Switch (DPST)										
ST-3120-5B	ST-3120-5B	E	2	5	.68	.53	.38	.30	.27	.26

CON 3.5MM STEREO AUDIO JACKS – PCB MOUNT

sing: PBT Thermoplastic, UL94V-0 Rated
bility: 5000 Mating Cycles
h Spring: SWP Steel
P.B.S.
-Hole
ating Temperature: -25°C to +80°C

- TIP and Ring: P.B.S., Tin plated
- Color: Black
- N.C. Terminals: Copper Alloy, Tin plated
- Bushing: Copper Alloy, Nickel plated
- Contact Rating: 16VDC @ 0.3 Amps
- ✻ w/ Back Plate
- Clip Housing: Polyacetal
- Terminals: Brass Silver plated
- Sleeve: SPCC, Nickel plated
- Sleeve Spring: Phosphor Bronze

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Circuit Diagram	Pin Count	Threading	Price Each					
						1	25	100	500	1000	5000
S-ST-3100-3C	ST-3100-3C	F	1	3	Threaded	.89	.70	.50	.39	.35	.33
S-ST-3100-3N	ST-3100-3N	F	1	3	Non-Threaded	.80	.64	.45	.36	.31	.30
S-ST-3100-3NB	ST-3100-3NB	F	1	3	Non-Threaded	.85	.67	.48	.38	.33	.31
S-ST-3100-5C	ST-3100-5C	F	2	5	Threaded	.97	.77	.55	.43	.38	.36
S-ST-3100-5N	ST-3100-5N	F	2	5	Non-Threaded	.94	.74	.53	.41	.36	.34
S-ST-3100-5NB	ST-3100-5NB	F	2	5	Non-Threaded	.98	.78	.55	.44	.38	.36

CON 3.5MM STEREO AUDIO JACKS – PCB MOUNT, SLIM DESIGN

sing & Cover: PBT Thermoplastic, UL94V-0 Rated
minals & Contacts: Phosphor Bronze, Tin plated
ght leads
tact rating: 16VDC @ 0.3 Amps

- Durability: 5000 Mating Cycles
- Operating Temperature: -25°C to +80°C
- Thru-Hole
- Color: Black
- Bushing: Brass, Nickel plated

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Circuit Diagram	Pin Count	Threading	Price Each					
						1	25	100	500	1000	5000
ST-3150-3C	ST-3150-3C	G	1	3	Threaded	.94	.73	.52	.41	.37	.35
ST-3150-3N	ST-3150-3N	G	1	3	Non-Threaded	.78	.61	.44	.34	.31	.29
Switch (DPST)											
ST-3150-5C	ST-3150-5C	G	2	5	Threaded	1.18	.92	.65	.51	.47	.44
ST-3150-5N	ST-3150-5N	G	2	5	Non-Threaded	1.02	.80	.57	.45	.41	.38

CON 3.5MM STEREO AUDIO JACKS – SURFACE MOUNT, ALL PLASTIC

sing: PBT Thermoplastic, UL94V-0 Rated
minals: Copper Alloy, Silver over Nickel plated
Plastic
tact rating: 16VDC @ 0.3 Amps

- Durability: 5000 Mating Cycles
- Operating Temperature: -25°C to +80°C
- Surface Mount
- Color: Black
- Non-Threaded

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Circuit Diagram	Pin Count	Mounting	Price Each					
						1	25	100	500	1000	5000
ST-3500-3N	ST-3500-3N	H	1	3	Surface Mount	.92	.72	.51	.40	.38	.35
ST-3501-3N	ST-3501-3N	H	1	3	Thru-Hole	1.24	.97	.69	.54	.50	.48

CON 3.5MM STEREO AUDIO JACKS – PCB MOUNT, LOW PROFILE

sing: PBT Thermoplastic 15% Glass Filled, UL94V-0 Rated
ability: 5000 Mating Cycles
rating Temperature: -25°C to +80°C
u-Hole

- Terminals: Copper Alloy, Tin over Nickel plating
- Color: Clear
- Non-threaded
- Low Profile

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Circuit Diagram	Pin Count	Price Each					
					1	25	100	500	1000	5000
ST-3081-3N	ST-3081-3N	I	1	3	.65	.51	.36	.28	.26	.24
Switch (DPST)										
ST-3081-5N	ST-3081-5N	I	2	5	.71	.55	.39	.31	.28	.27

CON 3.5MM STEREO AUDIO JACKS – STACKED

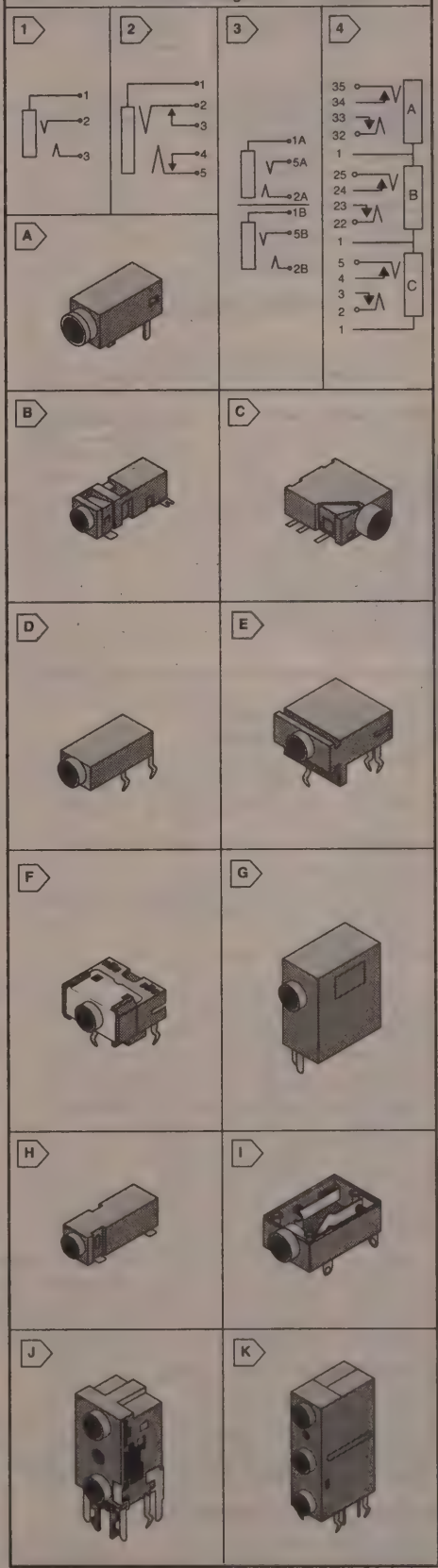
sing: Nylon 66 Thermoplastic 15% Glass Filled, UL94V-0 Rated
ability: 5000 Mating Cycles
rating Temperature: -25°C to +80°C
u-Hole
tact Rating: 16VDC @ 0.3 Amps
99 color barrels

- Terminals: Copper Alloy, Tin over Nickel plating
- Switch Slide Knob: POM
- Switch Housing: PBT Thermoplastic
- Switch Terminals: Copper Alloy, Silver plated
- Non-Threaded

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Circuit Diagram	Pin Count	Color	Price Each					
						1	25	100	500	1000	5000
06-ST-4235-3/3-N	ST-4235-3/3-N	J	3	3/3	Black / Black	2.34	1.84	1.30	1.03	.97	.91
06-ST-4335-5BGP-S1	ST-4335-5BGP-S1	K	4	5/5/5	Blue / Green / Pink	4.84	3.81	2.70	2.13	1.88	1.76

Circuit Diagrams



NEUTRIK Phone Jacks

NEUTRIK

M SERIES 1/4" NYLON STANDARD JACKS

Material Specifications:
- Body material: heavy duty nylon
- Contact material: solid nickel silver
- Mounting hardware included

Electrical Specifications:
- Insulation resistance: >7000 MΩ@ 50VDC
- Test voltage: 2000V
- Temperature range: 0°C +70°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Mono	Stereo	Switched	Terminal Type	Nose Type	Price Each 1	10	100
550-12001	NMJ2HC-S	A	X	-	No	Solder	3	.76	.70	.68
550-10021	NMJ2HF-S	A	X	-	No	Solder	1	.48	.44	.43
550-10201	NMJ4HFD2	A	X	-	Yes	PCB	1	.59	.54	.53
550-12202	NMJ4HCD2	A	X	-	Yes	PCB	3	.85	.78	.76
550-NMJ6HCS	NMJ6HC-S	B	-	X	Yes	Solder	3	.95	.87	.84
550-20301	NMJ6HFD2	B	-	X	Yes	PCB	1	.54	.49	.48
550-22302	NMJ6HCD2	B	-	X	Yes	PCB	3	.95	.87	.84
550-25382	NMJ6HHD2	B	-	X	Yes	PCB	2	.48	.44	.43

1/4" NYLON SLIM JACKS

Features:
- 19% space saving advantage over standard socket
- All SlimLine jacks have 1/4 inch PCB horizontal mount pins
- No mounting nuts and washers included, must be purchased separately.

Material Specifications:
- Body material: heavy duty nylon
- Contact material: solid nickel silver

Electrical Specifications:
- Contact resistance: <0.025 MΩ
- Temperature range: 0°C +70°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Mono	Stereo	Switched	Terminal Type	Nose Type	Price Each 1	10	100
550-10284	NRJ4HF	C	X	-	Yes	PCB	1	.39	.36	.35
550-15284	NRJ4HH	C	X	-	Yes	PCB	2	.39	.36	.35
550-20311	NRJ6HF	C	-	X	Yes	PCB	1	.48	.44	.43
550-20384	NRJ6HF-1	C	-	X	Yes	PCB	1	.48	.44	.43
*550-25301	NRJ6HH	C	-	X	Yes	PCB	2	.48	.44	.43
550-20311AU	NRJ6HF-AU	C	-	X	Yes	PCB	1	1.06	.97	.94

* Chassis Grounding

Nuts and Washers for Standard and Slim Jack Sockets

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Description	Price Each 1	10	100
550-1005	NRJNUT-B	Standard plastic nut	.11	.10	.09
550-1001	NRJNUT-M	Nickel plated slotted ring nut	.68	.52	.47
550-MW05	MW-05	16 x 1.2mm Washer	.05	.04	.03

COMMERCIAL 1/4" PHONE JACKS

- Mono and stereo jacks
- Stereo jacks feature all contacts switched
- Can be used with panels as thick as 5.5mm with washer and nut (included)
- Housing/shell: Brass Ni/Au/Black plated or Zinc diecast
- Insulation: Thermoplastic
- Contacts: Brass, Ni/Au plated
- Strain relief: Crimp type SnCe plated

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Mounting Hardware	Price Each 1	10	25
568-NYS220	NYS220	D	Mono, long bushing	Metal Nut/Washer	1.80	1.65	1.60
568-NYS220/3	NYS220/3	D	Stereo, long bushing	Metal Nut/Washer	1.87	1.72	1.66
568-NYS221	NYS221	D	Stereo, for guitar strap	Metal Nut/Washer	1.87	1.72	1.66
568-NYS212	NYS212	E	Stereo, solder tabs	Plastic Nut/Washer	.57	.53	.51
568-NYS212/2	NYS212/2	E	Mono, solder tabs	Plastic Nut/Washer	.56	.51	.49
568-NYS215	NYS215	E	Stereo	Chrome Ferrule	.70	.65	.63
568-NYS215/2	NYS215/2	E	Mono	Chrome Ferrule	.69	.63	.61
568-NYS216	NYS216	E	Stereo	Plastic Nut/Washer	.57	.53	.51
568-NYS216/2	NYS216/2	E	Mono	Plastic Nut/Washer	.56	.51	.49
568-NYS218	NYS218	E	Stereo, 15.0mm leads	Plastic Nut/Washer	.56	.51	.49
568-NYS218/2	NYS218/2	E	Mono, 15.0mm leads	Plastic Nut/Washer	.57	.53	.51
568-NYS219	NYS219	E	Stereo, 12.0mm leads	Plastic Nut/Washer	.57	.53	.51
568-NYS219/2	NYS219/2	E	Mono, 12.0mm leads	Plastic Nut/Washer	.56	.51	.49
568-NYS229	NYS229	F	Mono, open jacks, 2 contacts	Metal Nut/Washer	.82	.75	.73
568-NYS229L	NYS229L	F	Mono, .205" faston tabs, 2 contacts	Metal Nut/Washer	.74	.68	.66
568-NYS230	NYS230	F	Stereo, 3 contacts	Metal Nut/Washer	.91	.83	.81
568-NYS234	NYS234	G	Stereo, PCB, TN & RN contacts	Metal Nut/Washer	.78	.71	.69
568-NYS234-3	NYS234-3	G	Stereo, PCB, no normals	Metal Nut/Washer	.48	.44	.43

LOCKING 1/4" CABLE-JACK

- Mates with all mono or stereo plugs
- Provides secure lockable interconnection with latch release

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Housing	Contacts	Terminations	Price Each 1	10	25
568-NJ3FC6	NJ3FC6	H	Nickel satin	Silver	Soldering	5.56	5.10	4.94

LOCKING 1/4" CHASSIS-JACK

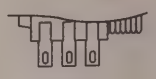
- Mates with all mono or stereo plugs

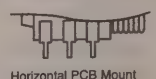
For quantities of 100 and up, call for quote.

568-NJ3FP6C	J3FP6C	I	Nickel satin	Silver	PCB-soldering	4.71	4.32	4.19

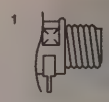
DIMENSIONS (mm)

Terminal Type


Solder Tabs


Horizontal PCB Mount

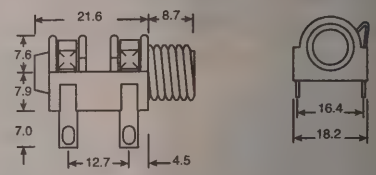
Nose Type



Hardware Sold Separately

Note: recommended PCB hole size .059"

A



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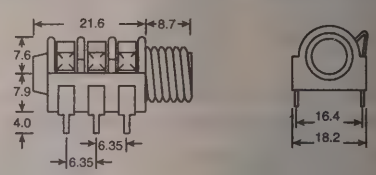

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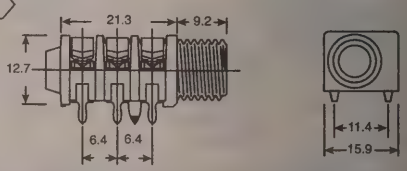


D

568-NYS220 Illustrated

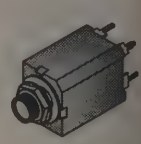
E

568-NYS218 Illustrated

F

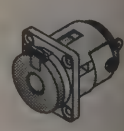
568-NYS229 Illustrated

G


568-NYS234 Illustrated

H

I



MOUSER ELECTRONICS a ttl company

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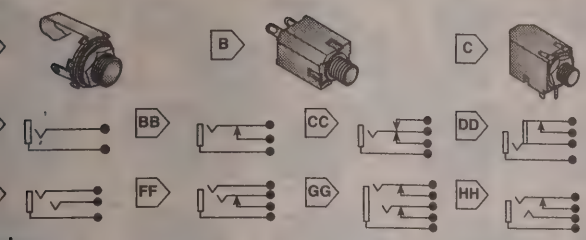
PHONE JACKS



-Jax

acks mount in single .375" hole in panels up to .150" thick, except stock numbers 502-L-11 and 502-L-12 nounts in panels up to .25" thick.

ductor Standard 1/4" I.D. Types — For quantities of 100 and up, call for quote.

USER CK NO.	Fig. *	Ckt. Dia.	Typical Mating Type	Description	Price Each 1	10	25
11	A	AA	250	Open tip	1.58	1.44	1.37
C-11	A	AA	440, 445, 470	Open tip, with locating pin	3.06	2.78	2.64
L-11	A	AA	250	Open tip, with .375" bushing	1.85	1.68	1.60
12A	A	BB	250	Closed tip	1.63	1.48	1.41
C-12A	A	BB	440, 445, 470	Closed tip, with locating pin	3.28	2.98	2.83
L-12A	A	BB	250	Closed tip, with .375" bushing	2.00	1.82	1.73
13A	A	CC	250	Transfer circuit	5.06	4.60	4.37
13E	A	DD	250	Isolated "break" circuit	6.69	6.08	5.78

ductor Standard 1/4" I.D. Types — For quantities of 100 and up, call for quote.

12B	A	EE	267	Open tip, open ring	1.69	1.54	1.46
C-12B	A	EE	480	Open tip, open ring, with locator pin	5.35	4.86	4.62
L-12B	A	EE	267	Open tip, open ring, w/ .375" bush.	2.46	2.24	2.13
13B	A	FF	267	Closed tip, open ring	5.19	4.72	4.48
14B	A	GG	267	Closed tip, closed ring	6.58	5.98	5.68

ductor .210" I.D. Type for Polarized Connections

S-11	A	AA	S-250	Open tip	3.70	3.36	3.19

ductor .210" I.D. Type for Polarized Connections

S-12B	A	EE	S-260	Open tip, open ring	2.86	2.60	2.47

C-11 is shown

Jax, Enclosed

compact phone jacks mate with standard .25" (6.35mm) phone plugs. The molded body protects the integral plated contacts. They feature low contact resistance, low electrical leakage and low capacity between ts. Mounts in single .375" hole in panels up to .156" thick.

nductor-Solder Type — For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Ckt. Dia.	Typical Mating Type	Description	Price Each 1	10	25
502-111	B	AA	250	Open tip	1.61	1.46	1.39
502-N-111	B	AA	250	Open tip, nylon bushing	1.87	1.70	1.62
502-112A	B	BB	250	Closed tip	1.63	1.48	1.41
502-N-112A	B	BB	250	Closed tip, nylon bushing	2.53	2.30	2.19

nductor-Solder Type — For quantities of 100 and up, call for quote.

502-112B	B	EE	267	Open tip, open ring	1.61	1.46	1.39
502-N112B	B	EE	267	Open tip, open ring, nylon bushing	2.31	2.10	2.00
502-113B	B	FF	267	Closed tip, open ring	2.16	1.96	1.86
502-113F	B	HH	267	Open tip, closed ring	3.48	3.16	3.00
502-114B	B	GG	267	Closed tip, closed ring	2.86	2.60	2.47
502-L-114B	B	GG	267	Closed tip, closed ring, .375" bush.	3.72	3.38	3.21
502-N-114B	B	GG	267	Closed tip, closed ring, nylon bush.	2.86	2.60	2.47

nductor-Printed Circuit Type — For quantities of 100 and up, call for quote.

502-111PC	B	AA	250	Open tip	2.57	2.34	2.22
502-N111PC	B	AA	250	Open tip, nylon bushing	2.42	2.20	2.09
502-112APC	B	BB	250	Closed tip	2.09	1.90	1.81
502-RN111PC	C	AA	250	Open tip, right angle	1.63	1.48	1.41
502-RN-112APC	C	BB	250	Closed tip, right angle	2.18	1.98	1.88

nductor-Printed Circuit Type * Right Angle — For quantities of 100 and up, call for quote.

502-112BPC	B	EE	267	Open tip, open ring	2.13	1.94	1.84
502-N112BPC	B	EE	267	Open tip, open ring, nylon bushing	3.21	2.92	2.77
502-113BPC	B	FF	267	Closed tip, open ring	3.48	3.16	3.00
502-N114BPC	B	GG	267	Closed tip, closed ring	3.32	3.02	2.87
502-RN112BPC	B	EE	267	Open tip, open ring, nylon bushing	2.00	1.82	1.73
502-RN-113BPC	C	FF	267	Closed tip, open ring	2.22	2.02	1.92
502-RN114BPC	C	GG	267	Closed tip, closed ring	2.35	2.14	2.03

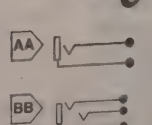
ICK PANEL JACKS

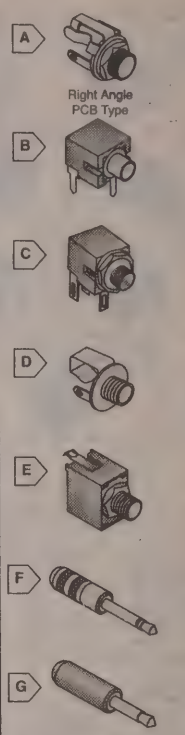
shielded length eliminates microphone hum.

5" panel size.
9" mounting hole

For quantities of 100 and up, call for quote.

OUSER CK NO.	Ckt. Dia.	Description	Price Each 1	10	25
2-151	AA	2 conductor	6.78	6.16	5.85
2-152B	BB	3 conductor	6.40	5.82	5.53

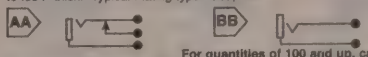




MINIATURE PHONE JACKS

Micro-Jax 2.5mm

2-conductor, miniaturized jack has single closed circuit design. Silver plated, tempered nickel plated contacts. Mounts in .190" diameter hole in panels up to .094" thick. Typical mating type: 850, 880



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Ckt. Dia.	Contact	Price Each 1	10	25
502-TR-2A	A	AA	Open	2.40	2.18	2.07
502-MDPC-2A-RA	B	AA	Enclosed	2.46	2.24	2.13
502-MDSL-2A-RA	C	AA	Enclosed	1.91	1.74	1.65

Tini-Jax 3.5mm

Miniature 2-conductor phone jacks, approximately 1/3 the size of Littel-Jax jacks. Mounts in .25" diameter hole in panels up to .125" thick. Mating Switchcraft plug: 740, 745 screw terminal, 750, 755 solder terminal.

502-41	D	BB	Open	1.47	1.34	1.27
502-42A	D	AA	Open	1.94	1.76	1.67
502-142A	E	AA	Enclosed	2.49	2.26	2.15

MINIATURE PHONE PLUGS

Micro-Plug 2.5mm

Subminiature 2-conductor phone plugs for use with Micro-Jax accommodate cables up to .125" (3.18mm) diameter. Typical mating type: TR-2A.

MOUSER STOCK NO.	Fig.	Handle	Price Each 1	10	25
502-850	F	Black	2.86	2.60	2.47
502-855	F	Red	3.32	3.02	2.87
502-880	F	Shielded	3.32	3.02	2.87

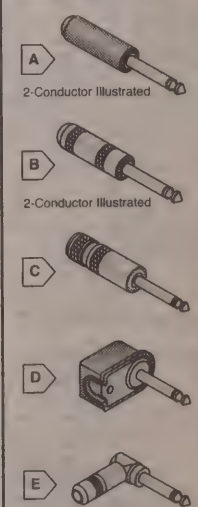
Tini-Plug 3.5mm

2-conductor phone plugs for use with Tini-Jax; 1/3 the size of standard phone plugs. Maximum cable O.D. is .218" (5.54mm). Typical mating type: 41

MOUSER STOCK NO.	Fig.	Handle	Terminal	Price Each 1	10	25
502-740	G	Black	Screw	4.20	3.82	3.63
502-750	G	Black	Solder	2.84	2.58	2.45
502-745	G	Red	Screw	4.20	3.82	3.63
502-755	G	Red	Solder	4.11	3.74	3.55

LITTEL PLUG PHONE PLUGS

Solder terminals include built-in cable clamps. Shielded metal handles are nickel plated brass. Maximum cable diameter is .297" (7.54mm).



2-Conductor Standard 1/4" I.D. Types

* 502-40: .28" cable O.D., 502-70: .38" cable O.D., 502-170: .25" cable O.D.

Typical mating type: 11

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Handle	Terminal	Price Each 1	10	25
502-240	A	Black	Screw	4.60	4.18	3.97
502-250	A	Black	Solder	3.32	3.02	2.87
502-255	A	Red	Solder	4.31	3.92	3.72
502-270	B	Shielded	Screw	6.38	5.80	5.51
502-280	B	Shielded	Solder	3.54	3.22	3.06
* 502-70	B	Shielded	Screw	8.07	7.34	6.97
* 502-170	C	Shielded	Screw	9.42	8.56	8.13
* 502-220	D	Black	Screw	6.38	5.80	5.51
502-226	E	Shielded	Solder	4.55	4.14	3.93
502-227	D	Black	Solder	4.95	4.50	4.28

3-Conductor Standard 1/4" I.D. Types

Typical mating type: 12B † 502-60: .28" cable O.D.

502-260	A	Black	Screw	7.13	6.48	6.16
502-267	A	Black	Solder	4.86	4.42	4.20
502-269	A	Red	Solder	6.09	5.54	5.26
502-297	B	Shielded	Solder	5.59	5.08	4.83
† 502-60	A	Black	Solder	6.58	5.98	5.68

2-Conductor .206" I.D. Types for Polarized Connections

Typical mating type: S-11

502-S-250	A	Black	Solder	4.71	4.28	4.07
502-S-280	B	Shielded	Solder	6.29	5.72	5.43

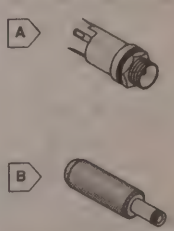
3-Conductor .206" I.D. Type for Polarized Connections

Typical mating type: S-12B

502-S-260	A	Black	Screw	7.61	6.92	6.57

POWER-JAX POWER CONNECTORS

Designed for AC-DC power connector and/or battery charger connections for electronics equipment. Split center, center pin, for more secure connection. Mounts in .312" diameter hole in panels up to .125".



Jacks

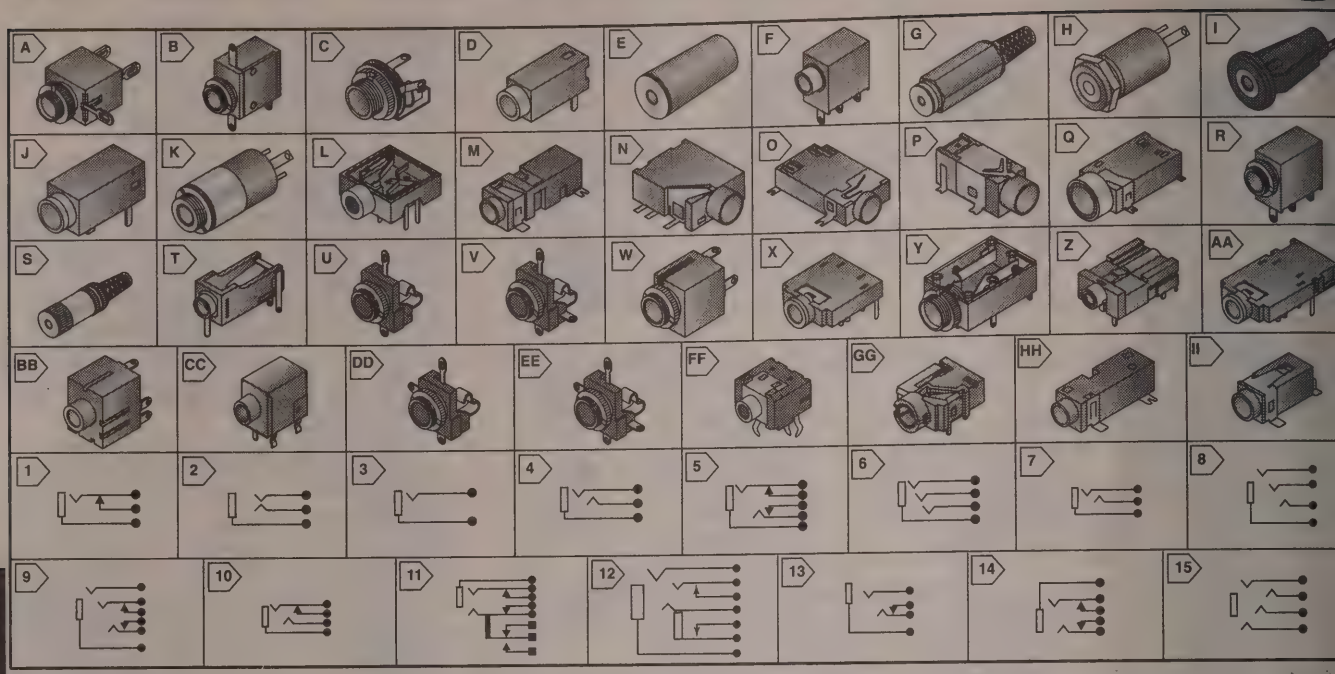
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Typ. Mating Type	Center Pin Dia.	Price Each 1	10	25
502-712A	A	760, 760K, 765	2.5mm	2.29	2.08	1.98
502-722A	A	S-760, S-765	2.1mm	2.38	2.16	2.05

Plugs

1.42" (L) x .375" (D)

MOUSER STOCK NO.	Fig.	Typ. Mating Type	Handle Color	Center Pin Dia.	Price Each 1	10	25
502-760	B	712A	Black	2.5mm	2.38	2.16	2.05
502-760K	B	712A	Black	2.5mm	4.44	4.04	3.84
502-765	B	712A	Red	2.5mm	3.08	2.80	2.66
502-S-760	B	722A	Black	2.1mm	2.38	2.16	2.05



2.5MM JACKS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Mtg. Hole (In.)	Ckt. Dia.	Description	Price Each 1	10	100
Mono							
161-0125	A	0.18	1	Plastic, N/C swc. w/spring, chassis mnt	.25	.18	.16
16PJ126	B	0.18	1	Economy, enclosed plastic housing, N/C swc., chassis mount	.36	.24	.21
16PJ100	C	0.18	1	Knurled nut, washer, N/C swc., chassis mnt	.60	.45	.41
161-2505	D	0.22	2	Enclosed, open circuit, PCB mount	.50	.39	.35
161-2504	F	0.18	1	Enclosed plastic housing, N/C swc., PCB mnt	.81	.63	.57
16PJ105	E	- - -	3	Black plastic handle, in-line	.74	.57	.52
16PJ227	G	- - -	3	Black PVC molded handle w/strain relief, in-line	.80	.61	.55
161-1650	H	0.32	3	Plastic housing, panel mount	.78	.60	.55
161-165SP	I	- - -	3	2 Cond. Sub-Mini Mono Jack Black, Snap-in	.88	.68	.52
Stereo							
161-2502	J	- - -	4	3-conductor, PCB mount	1.08	.90	.82
161-7000	K	- - -	4	Panel mount plastic/metal housing	1.29	.99	.91
161-7100	H	- - -	4	Plastic housing, panel mount	.87	.67	.61
161-2508	L	- - -	5	PC mount with two N/C switches - no nut	.91	.69	.64
161-2225	G	- - -	4	In-line with strain relief	1.29	.99	.91
161-071SP	I	.04-.07	5	3 Cond Sub-Mini Stereo Jack Black	1.47	1.13	.87
4 Conductor							
161-6425	G	- - -	6	Black plastic housing w/strain relief	1.10	.85	.77
161-5425	H	- - -	6	Gray plastic housing	1.10	.85	.77
161-6900	K	- - -	6	Plastic/metal housing w/hex nut	1.39	1.17	1.06
161-068SP	I	- - -	8	Sub-Miniature Jack, Grey, Snap-in	1.47	1.13	.87

2.5MM SMT JACKS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Mtg. Hole (In.)	Ckt. Dia.	Description	Price Each 1	10	100
Stereo							
161-4123	M	0.18	7	Black plastic open circuit	.71	.55	.50
161-3304	M	- - -	7	Black LCP plastic +85°C temperature	.76	.58	.53
* 161-2622	O	0.17	7	Black plastic open circuit	.89	.59	.54
* 161-2625	P	0.17	7	Black plastic open circuit	.94	.72	.66
4 Conductor							
161-2828	Q	0.22	9	4 conductor closed circuit	1.18	.91	.83
* 161-2624	N	0.17	9	4 conductor closed circuit	1.39	1.16	1.06

* Available on tape & reel as special order. Add /TR to end of P/N.

3.5MM SMT JACKS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Mtg. Hole (In.)	Ckt. Dia.	Description	Price Each 1	10	100
Mono							
161-4035	HH	0.22	1	Black plastic NC switch	.76	.58	.53
* 161-3334	M	0.22	3	Black plastic open circuit	.89	.59	.54
Stereo							
161-4033	HH	0.22	4	Black plastic open circuit	.76	.58	.53
161-4034	HH	0.22	13	Black plastic NC switch	.76	.58	.53
161-3935	II	0.27	4	Black plastic open circuit	.76	.58	.53
* 161-3335	N	0.22	14	Black plastic 2 NC switches	.99	.77	.70
4 Conductor							
161-3934	II	0.27	15	4 conductor open circuit	.88	.68	.62

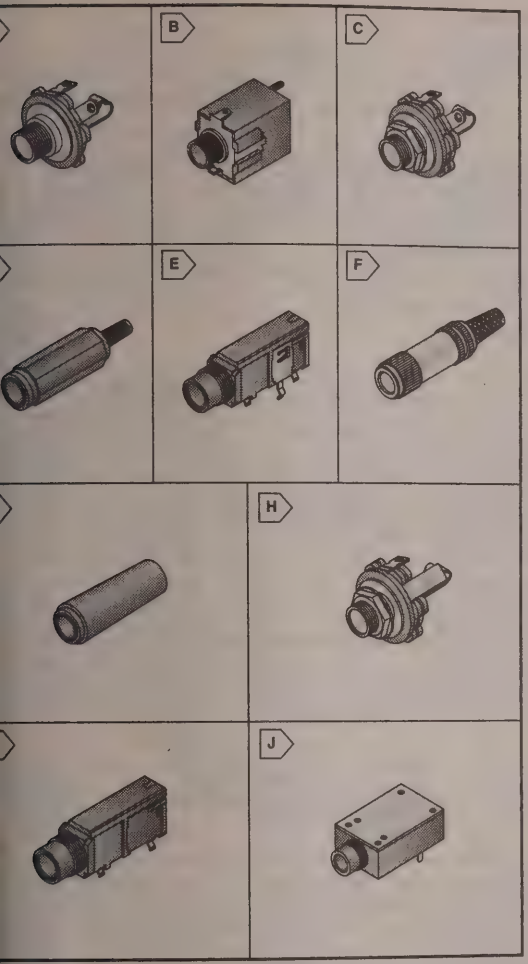
* Available on tape & reel as special order. Add /TR to end of P/N.

3.5MM JACKS

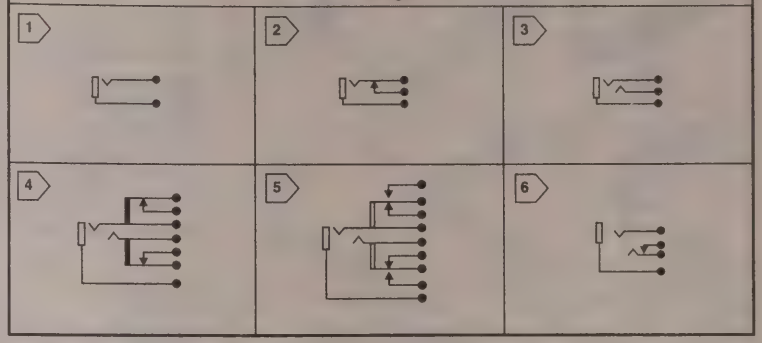
* With threaded bushing † With knurled nut

For quantities 500 and up, call for qu

MOUSER STOCK NO.	Fig.	Mtg. Hole (In.)	Ckt. Dia.	Description	Price Each 1	10	10
Mono							
16PJ135	A	0.27	1	Black plastic, N/C switch w/ spring, chassis mnt	.26	.20	
16PJ137	A	0.27	1	White plastic, N/C switch w/ spring, chassis mnt	.26	.20	
16PJ136	BB	0.27	1	Fully enclosed blk plastic, N/C switch, chassis mnt	.31	.24	
16PJ138	A	0.27	1	Beige plastic, N/C switch w/o spring, chassis mnt	.36	.28	
†*161-3101	R	0.27	1	Enclosed plastic housing, N/C switch, PCB mount	.75	.57	
16PJ011	C	0.27	1	Knurled nut, washer, N/C switch, chassis mount	.79	.61	
161-3525	F	0.28	1	Enclosed plastic housing, N/C switch, PCB mount	.93	.71	
16PJ012	C	0.27	1	Hex dress nut, washer, N/C switch, chassis mount	.79	.61	
16PJ119	E	- - -	3	Black plastic handle, in-line	.74	.57	
16PJ225	G	- - -	3	Black PVC molded handle with strain relief, in-line	.80	.61	
161-3505	D	0.27	1	Black plastic, closed circuit, PCB mount	.84	.65	
161-3200	S	- - -	3	Shielded handle with black strain relief, in-line	1.39	1.16	1.
†*161-3400	T	0.27	1	Blk plastic, knurled dress nut, PCB mnt, N/C switch	.77	.60	
161-3412	T	0.27	1	Black plastic, PCB mount, N/C switch	.70	.54	
161-1640	H	0.32	3	Plastic housing, panel mount	.78	.60	
161-064SP	I	.04-.07	3	4 Cond Mini Jack Grey	1.47	1.13	
161-164SP	I	.04-.07	3	2 Cond Mini Mono Jack Black	.88	.68	
161-MJ153	C	- - -	- - -	2 Cond Mini Mono Jack Closed Circuit	1.44	1.11	
161-MJ080	U	- - -	3	2 Cond Mini Mono Jack Open Circuit	1.40	1.08	
161-MJ081	V	- - -	- - -	2 Cond Mini Mono Jack Closed Curcuit	1.59	1.22	
Stereo							
†161-3402	A	0.27	4	Black plastic, open circuit, chassis mount	.43	.33	
†161-3502	W	0.27	4	Black plastic, solder term, open circuit, chassis mnt	.92	.70	
161-3504	X	0.27	5	2-SPST N/C switches, PCB mount	.89	.69	
*161-3501	Y	0.27	4	Black plastic, open circuit, with nut, PCB mount	1.26	.97	
16PJ106	G	- - -	4	Black PVC molded handle with strain relief, in-line	1.16	.96	
161-3540	R	0.32	5	2-SPST N/C switches, PCB mount	1.32	1.10	
161-3541	R	0.32	5	2-SPST N/C switches, PCB mount, isolated bushing	1.41	1.18	1.
161-3300	S	- - -	4	Shielded with black strain relief, in-line	1.52	1.27	1.
16PJ108	Z	0.27	10	Black plastic housing, closed circuit, PCB mount	1.23	1.03	
*161-3500	Y	0.27	10	Black plastic, 1-SPST N/C swc., with nut, PCB mnt	1.42	1.19	1.
161-3503	AA	0.27	11	2-SPST N/C switches plus 1-SPDT swc., PCB mnt	1.44	1.20	1.
*161-3499	Y	0.27	5	Black plastic, 2-SPST N/C swc., with nut, PCB mnt	1.46	1.13	1.
†*161-3507	Y	0.27	4	Black plastic, open circuit, with nut, PCB mount	.71	.47	
†*161-3508	Y	0.27	5	2-SPST N/C switches, PCB mount	.74	.57	
†*161-3509	Y	0.27	10	1-SPST N/C switch, PCB mount	.72	.55	
161-7300	H	0.32	4	Plastic housing, panel mount	.87	.67	
161-7400	K	0.24	4	Panel mount, plastic/metal housing	1.29	.99	
161-3551	W	0.27	5	Black plastic 2-SPST N/C switches	1.66	1.39	1.
161-3552	BB	0.27	5	Black plastic 2-SPST N/C switches	1.48	1.23	1.
161-3153	CC	0.27	4	Metal shielded open circuit	.69	.47	
161-3155	CC	0.27	5	Metal shielded closed circuit	.74	.53	
161-MJ082	DD	- - -	- - -	3 Cond Mini Stereo Jack Open Curcuit	1.59	1.22	
161-MJ083	EE	- - -	- - -	3 Cond Mini Stereo Jack Closed Curcuit	1.74	1.34	1.
161-073SP	I	.04-.07	5	3 Cond Mini Stereo Jack Black	1.37	1.05	
161-MJ2735-5	F	- - -	12	Stereo, Earphone Jack, PC Mount	.91	.70	
161-MJ2735-3	F	- - -	5	Stereo, Earphone Jack, PC Mount	1.37	1.05	
4 Conductor							
161-6435	G	- - -	- - -	Black plastic housing w/strain relief	1.10	.85	
161-5435	H	0.32	- - -	Gray plastic housing w/strain relief	1.10	.85	
161-7900	K	0.30	- - -	Plastic/metal housing w/hex nut	1.39	1.17	1.
*161-5350	GG	0.27	12	Black plastic 1 NC switch, 1SPST NC switch	.99	.77	



Circuit Diagrams

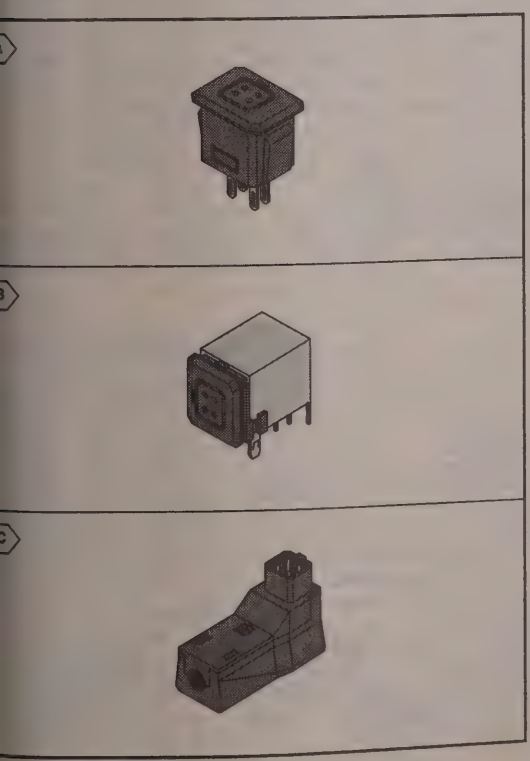


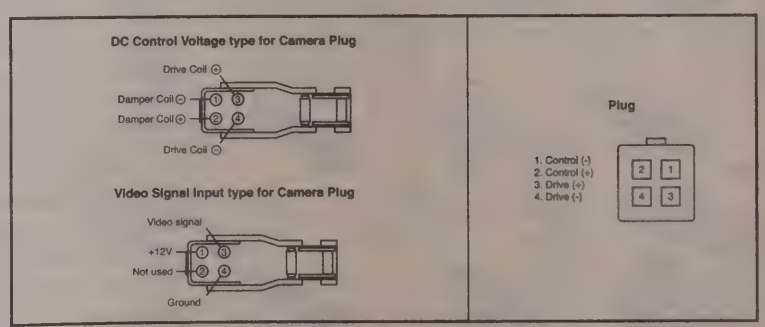
1/4" JACKS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Mtg. Hole (In.)	Ckt. Dia.	Description	Price Each 1	10	100
Mono							
16PJ022	A	.37	1	Open circuit, chassis mount	1.08	.83	.76
∗161-0023	B	.37	1	Open circuit, enclosed, chassis mount	1.04	.80	.72
16PJ020	C	.37	2	With switch, N/C, chassis mount	1.25	1.04	.95
161-1203	D	---	1	With black strain relief, in-line	1.31	1.09	.99
∗161-0085	B	.49	2	With swc., N/C enclosed, chassis mount	1.33	1.11	1.01
∗16PJ500	E	.49	2	PCB with switch, N/C enclosed	1.41	1.17	1.06
161-1200	F	---	1	Shielded with black strain relief, in-line	2.76	2.30	2.09
161-1804	A	.37	1	Open circuit, chassis mount	.79	.66	.60
161-1803	C	.37	2	With switch, N/C, chassis mount	1.03	.86	.78
Stereo							
16PJ226	G	---	3	Open circuit, in-line	1.22	1.02	.93
16PJ080	H	.37	3	Open circuit, chassis mount	1.49	1.25	1.14
161-1303	D	---	3	With black strain relief, in-line	1.39	1.16	1.05
16PJ509	I	.49	3	Open circuit, enclosed, PCB mount	1.44	1.20	1.09
∗161-0081	B	.37	3	Stereo open circuit, enclosed, chassis mount	1.11	.93	.84
∗161-0083	B	.37	4	2-SPST N/C, enclosed, chassis mount	1.53	1.28	1.16
∗161-0086	B	.49	4	2-SPST N/C, enclosed, chassis mount	1.73	1.44	1.31
∗161-0087	B	.49	5	DPDT N/C, chassis mount	2.13	1.77	1.61
∗161-0084	B	.37	5	DPDT N/C, enclosed, chassis mount	2.01	1.67	1.52
∗161-1300	F	---	3	Shielded with black strain relief, in-line	2.99	2.49	2.26
161-1802	H	.37	3	Open circuit, chassis mount	1.29	.99	.90
161-0030	J	.55	3	Enclosed PCB mount	1.72	1.43	1.29
161-0035	J	.55	6	With switch, N/C, PCB mount	1.95	1.63	1.47

∗ With nut and washer





IRIS CONNECTORS

Features:

- Low Power Signal Control
- Security Video Cameras

Jacks

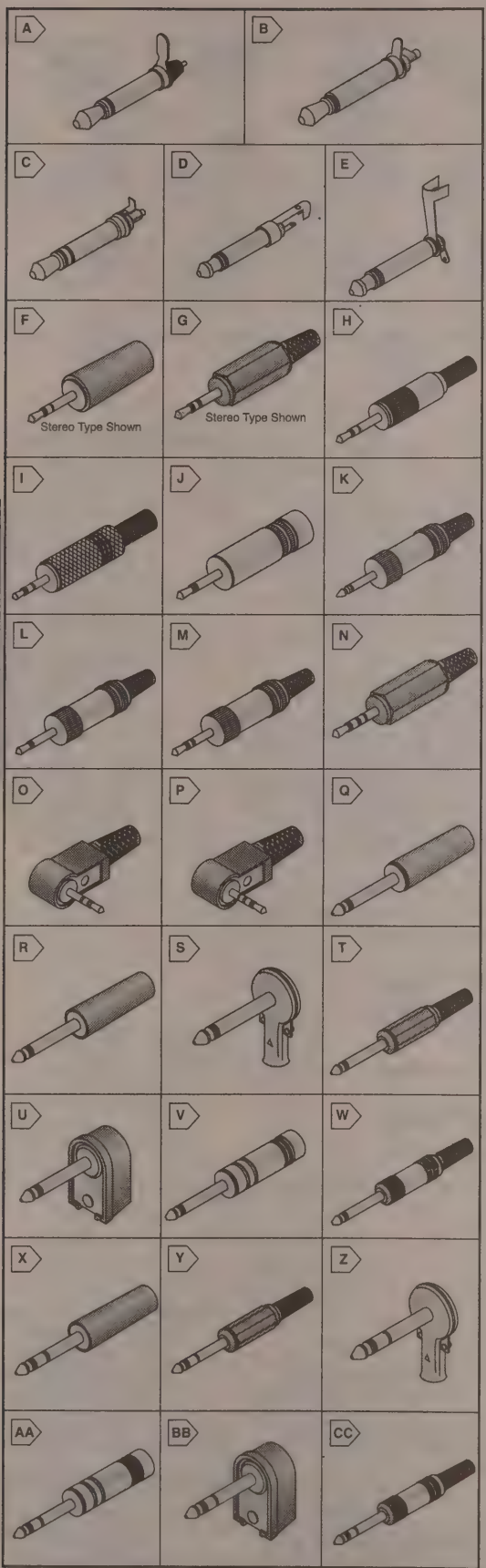
For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100
163-156N-1	A	Snap-In, Iris Connector	2.87	2.21	1.70
163-156N-2	A	Snap-In, Iris Connector/PC Board	2.87	2.21	1.70
163-158N-1	A	Snap-In, Iris Connector	2.87	2.21	1.70
163-158N-2	A	Snap-In, Iris Connector/PC Board	2.87	2.21	1.70
163-157J	B	Iris Connector, Snap-In, PCB mount	2.87	2.21	1.70

Plugs

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100
163-191J	C	Camera Plug, 2 pc, Cable Size ø2-4	3.16	2.43	1.87
163-196J	C	Camera Plug, 2 pc, Cable Size ø3	4.89	3.76	2.89



CUSTOM MOLDING PLUGS

Features:
- Nickel plated brass contacts
- Ideal for molding to your cable

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100	50
171-3206	A	2.5mm mono plug, straight or right angle	.40	.26	.24	.22
171-3203	B	3.5mm mono plug, straight or right angle	.43	.28	.26	.24
171-3204	C	3.5mm stereo plug, straight or right angle	.69	.53	.48	.43
17PP111	E	1/4" mono plug, high rel. 2 conductor	1.08	.83	.76	.69
17PP107	D	1/4" mono plug, standard 2 conductor	.69	.46	.41	.38
17PP112	E	1/4" stereo plug, high rel. 3 conductor	1.37	1.14	1.03	.94

2.5MM PLUGS

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100	50
Mono						
17PP095	F	Economy, black plastic handle, unshielded	.49	.34	.32	.2
17PP053	F	Black plastic handle, plastic threaded bushing, unshielded	.61	.41	.37	.3
171-3304	G	Plastic threaded bushing, .33" (D) x 1.5" (L), unshielded	.61	.41	.37	.3
171-3309	I	Shielded handle spring strain relief	.99	.76	.69	.6
171-0250	O	Right angle with strain relief	.83	.64	.58	.5
Stereo						
171-3305	F	Black plastic handle, unshielded	2.13	1.78	1.62	1.4
171-0025	G	Metal threaded bushing, strain relief	1.35	1.12	.99	.9
171-3306	H	Spring strain relief, shielded	2.38	1.98	1.80	1.6
171-3406	I	Shielded handle with spring strain relief and solder terminals	1.79	1.48	1.35	1.2
171-3325	O	Right angle with strain relief	1.16	.97	.88	.8
4 Conductor						
171-7425	N	Black plastic handle with strain relief	1.57	1.31	1.19	1.0

3.5MM PLUGS

†† Insulated sleeve, black strain relief

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100	50
Mono						
17PP103	F	Gray plastic handle with metal threaded bushing, unshielded	.43	.30	.27	.2
17PP101	F	Red plastic handle with threaded metal bushing, unshielded	.65	.44	.40	.3
17PP102	F	Black plastic handle with metal threaded bushing, unshielded	.60	.40	.36	.3
17PP047	G	Plastic threaded bushing, .40" (D) x 2" (L), unshielded	.63	.48	.44	.4
171-3302	G	Metal threaded bushing, .33" (D) x 1.5" (L), unshielded	.81	.62	.56	.5
17PP105	F	Black plastic handle w/ threaded metal bushing, unshield.	.93	.71	.65	.5
171-3310	I	Shielded handle spring strain relief	.91	.70	.64	.5
171-1041	J	Metal plug, insulated sleeve, shielded	1.11	.85	.77	.7
171-3200	K	Black strain relief, insulated sleeve, U.S. tip, shielded	1.31	1.09	.99	.8
171-3201	L	Black strain relief, insulated sleeve, Japan tip, shielded	1.31	1.09	.99	.8
171-0350	O	Right angle with strain relief	.69	.53	.48	.4
Stereo						
171-2035	F	Black plastic handle with threaded bushing	.63	.45	.41	.3
17PP004	G	Hi-rel, molded, plastic threaded bushing w/strain relief, unshield.	1.11	.86	.78	.7
†† 171-3300	M	Plastic bushing screw threads, .37" (D) x .98" (L), shielded	1.64	1.37	1.24	1.1
†† 171-3301	M	Metal bushing screw threads, .37" (D) x .98" (L), shielded	1.82	1.51	1.38	1.2
171-3308	BB	Black plastic body, right angle, unshielded	1.02	.78	.71	.6
171-3311	I	Shielded handle spring strain relief	1.49	1.25	1.14	1.0
4 Conductor						
171-7435	N	Black plastic handle with strain relief	1.53	1.27	1.16	1.0
171-6435	P	Right angle with strain relief	1.74	1.45	1.32	1.2

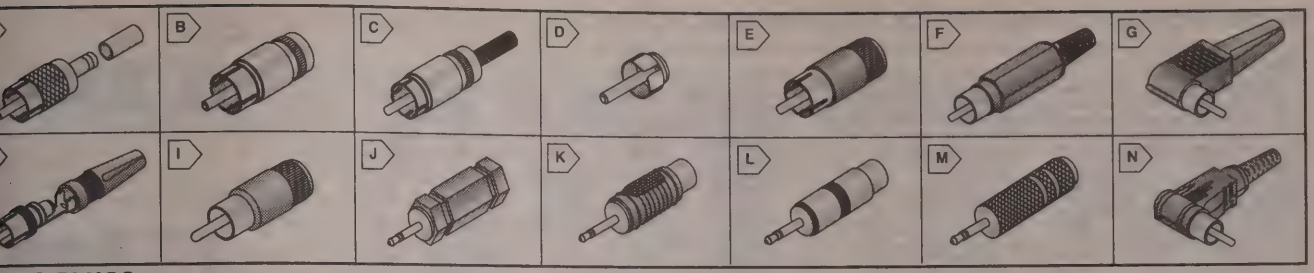
1/4" PLUGS

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100	50
Mono						
17PP201	Q	Red plastic body, unshielded	1.04	.80	.72	.6
17PP202	Q	Black plastic body, unshielded	1.14	.95	.87	.7
171-2020	R	Black plastic body, unshielded	.94	.73	.66	.6
171-1206	S	Nickel plated, all metal, 228 Switchcraft type, right angle	1.10	.84	.77	.7
171-1204	T	Black plastic body, unshielded	1.08	.88	.80	.7
17PP057	U	Black plastic body, right angle, unshielded	1.53	1.28	1.16	1.0
17PP056	V	Metal body, shielded	1.64	1.37	1.24	1.1
171-1200	W	Metal body with red strain relief, shielded	2.35	1.96	1.79	1.6
171-1201	W	Metal body with black strain relief, shielded	2.35	1.96	1.79	1.6
Stereo						
17PP080	X	Black plastic body, unshielded	1.07	.82	.75	.6
171-1304	Y	Black plastic body, unshielded	1.62	1.34	1.22	1.1
171-1306	Z	Nickel plated, all metal, 238 Switchcraft type, right angle	1.70	1.42	1.29	1.1
17PP054	AA	Metal body, shielded	2.21	1.84	1.67	1.5
17PP071	BB	Black plastic body, right angle, unshielded	2.38	1.98	1.80	1.6
171-1300	CC	Metal body with red strain relief, shielded	2.86	2.39	2.17	1.9
171-1301	CC	Metal body with black strain relief, shielded	2.86	2.39	2.17	1.9
171-1302	CC	Metal body with gray strain relief, shielded	2.86	2.39	2.17	1.9

KOBICONN Phono Plugs and Jacks

KOBICONN



ONO PLUGS

elded

For quantities of 1000 and up, call for quote.

OUSER OCK NO.	Fig.	Description	Price Each 1	10	100	500
-8113	A	Metal body for RG58 with ferrule, 5.2mm crimp	.68	.52	.47	.43
-8114	A	Metal body for RG59 with ferrule, 6.8mm crimp	.68	.52	.47	.43
P058	B	RCA phono plug	.72	.55	.50	.46
-4202	C	Gold plating over nickel plated brass	2.21	1.84	1.67	1.52

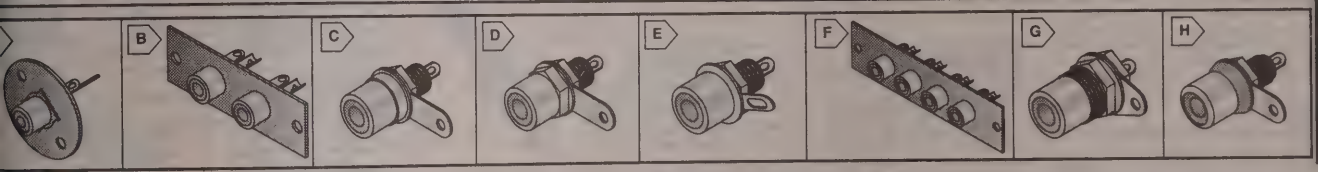
-Shielded

For quantities of 1000 and up, call for quote.

P050	D	Uninsulated brass, .06 Diameter	.17	.13	.12	.10
P051	E	Red plastic insulator, hollow center pin	.64	.43	.38	.35
P052	E	Black plastic insulator, hollow center pin	.64	.43	.38	.35
-0530	E	Hi-temp. phenolic insulator, hollow center pin	.70	.54	.48	.44
-0520	E	Black plastic barrel with solid center pin	.70	.54	.48	.44
-4356	F	General purpose w/strain relief & red ID ring	.66	.44	.40	.37
-4357	F	General purpose w/strain relief & white ID ring	.66	.44	.40	.37
-4358	F	General purpose w/strain relief & yellow ID ring	.66	.44	.40	.37
-4359	F	General purpose w/strain relief & black ID ring	.66	.44	.40	.37
-8110	G	Right angle with black plastic handle	1.45	1.21	1.10	.99
-8112	H	Black molded PVC strain relief/handle	1.45	1.21	1.10	1.00
-0051	I	Red with hollow center pin	.56	.38	.34	.31
-0052	I	Black with hollow center pin	.56	.38	.34	.31

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100	500
174-AD2131	J	2.5 Mono Plug-3.5 Mono Jack	.94	.72	.55	.42
174-AD2132	J	2.5 Mono Plug-3.5 Stereo Jack	.94	.72	.55	.42
174-AD3131	J	3.5 Mono Plug-3.5 Mono Jack	.94	.72	.55	.42
174-AD3132	J	3.5 Mono Plug-3.5 Stereo Jack	.94	.72	.55	.42
174-AD3132-T	J	3.5 Mono Plug-3.5 Stereo Jack	1.05	.81	.62	.48
174-AD31RJG	K	3.5MP-RCA Jack Gold	1.13	1.03	.79	.61
174-AD31RJ-1	L	3.5 Mono Plug-RCA Jack	1.13	1.03	.79	.61
174-AD3231-1	M	3.5 Stereo Plug-3.5 Mono Jack Metal	1.44	1.11	.85	.65
174-0053	I	White with hollow center pin	.56	.38	.34	.31
174-0054	I	Yellow with hollow center pin	.56	.38	.34	.31
174-0151	F	Red body with strain relief	.66	.44	.40	.37
174-0152	F	Black body with strain relief	.66	.44	.40	.37
174-0153	F	White body with strain relief	.66	.44	.40	.37
174-0154	F	Yellow body with strain relief	.66	.44	.40	.37
174-0251	N	Red right angle with strain relief	.84	.64	.59	.53
174-0252	N	Black right angle with strain relief	.84	.64	.59	.53
174-0253	N	White right angle with strain relief	.84	.64	.59	.53
174-0254	N	Yellow right angle with strain relief	.84	.64	.59	.53



ONO JACKS

nel Mount

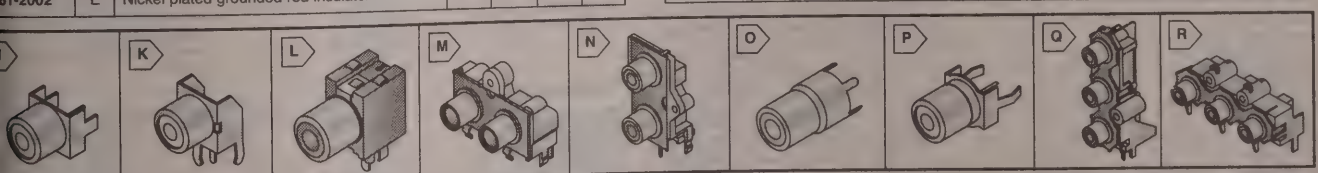
* With insulating nylon washers.

31-054A	A	Mounted on phenolic disc, black	.70	.46	.42	.38
SPJ512	B	Dual RCA phono jack, all black	.58	.39	.35	.32
32-5121	B	Dual RCA phono jack, black and red	.58	.39	.35	.32
SPJ052	C	Nickel plated grounded black insulator	.69	.53	.48	.43
31-1002	C	Nickel plated grounded red insulator	.69	.53	.48	.43
31-1004	C	Nickel plated grounded white insulator	.69	.53	.48	.43
31-1005	C	Nickel plated grounded yellow insulator	.69	.53	.48	.43
31-1052	D	Front mounting 9mm hex base black insulator	.82	.63	.57	.52
31-1053	D	Front mounting 9mm hex base red insulator	.82	.63	.57	.52
31-1054	D	Front mounting 9mm hex base yellow insulator	.82	.63	.57	.52
31-1055	D	Front mounting 9mm hex base white insulator	.82	.63	.57	.52
31-2002	E	Nickel plated grounded red insulator	1.09	.84	.76	.69

Panel Mount (cont.)

For quantities of 1000 and up, call for quote.

* 161-2003	E	Nickel plated grounded black insulator	1.09	.84	.76	.69
161-2052	E	Nickel plated grounded black insulator	.60	.46	.42	.34
164-4215	E	Front mounting, grounded jack	1.12	1.02	.93	.84
16PJ514	F	Quadruple RCA jack	.98	.75	.68	.62
16PJ035	G	Rear mounting, grounded jack, black	1.41	1.17	1.06	.97
161-0351	G	Rear mounting, grounded jack, red	1.41	1.17	1.06	.97
161-4003	C	Gold plated grounded black insulator	1.82	1.51	1.38	1.25
161-4202	C	Front mounting gold plated, grounded	2.35	1.96	1.78	1.62
161-0251	H	With red outside I.D. ring	.87	.67	.61	.55
161-0252	H	With black outside I.D. ring	.87	.67	.61	.55
161-0253	H	With white outside I.D. ring	.87	.67	.61	.55
161-0254	H	With yellow outside I.D. ring	.87	.67	.61	.55



CB Mount

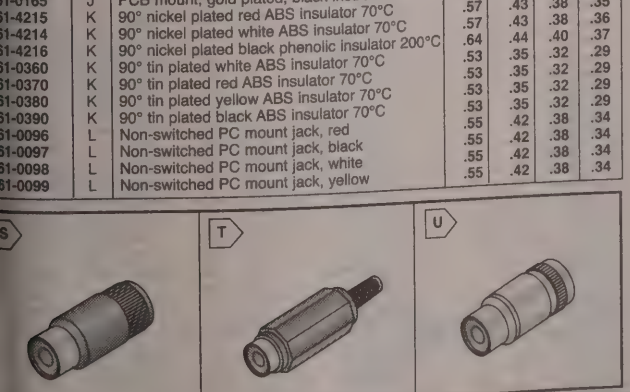
For quantities of 1000 and up, call for quote.

31-0164	J	PCB mount, nickel plated, black insulator	.53	.36	.33	.30
31-0165	J	PCB mount, gold plated, black insulator	.83	.64	.58	.53
31-4215	K	90° nickel plated red ABS insulator 70°C	.57	.43	.38	.35
31-4214	K	90° nickel plated white ABS insulator 70°C	.57	.43	.38	.36
31-4216	K	90° nickel plated black phenolic insulator 200°C	.64	.44	.40	.37
31-0360	K	90° tin plated white ABS insulator 70°C	.53	.35	.32	.29
31-0370	K	90° tin plated red ABS insulator 70°C	.53	.35	.32	.29
31-0380	K	90° tin plated yellow ABS insulator 70°C	.53	.35	.32	.29
31-0390	K	90° tin plated black ABS insulator 70°C	.53	.35	.32	.29
31-0096	L	Non-switched PC mount jack, red	.55	.42	.38	.34
31-0097	L	Non-switched PC mount jack, black	.55	.42	.38	.34
31-0098	L	Non-switched PC mount jack, white	.55	.42	.38	.34
31-0099	L	Non-switched PC mount jack, yellow	.55	.42	.38	.34

PCB Mount (cont.)

For quantities of 1000 and up, call for quote.

161-4218	M	Horiz. mounted, dual, with red/white insulator	.75	.57	.52	.48
161-4220	M	Horiz. mount, dual, red/white insul., gold plated	.87	.67	.61	.56
161-4219	N	Vert. mounted, dual, with red/white insulator	.57	.44	.40	.36
161-4217	K	90° gold shell, nickel contacts, brown phenolic insulator 200°C	1.08	.83	.76	.69
16PJ092	O	Jack for printed circuit board, black	.58	.44	.41	.37
534-577	P	Jack for printed circuit board	.90	.75	.62	.54
161-0396	L	Jack for printed circuit board	.99	.66	.60	.55
161-4221	N	Vert. mount, dual, red/white insul., gold plated	.90	.76	.69	.63
161-4319	Q	Vert. mount, triple, red, white and yellow	1.37	1.14	1.04	.95
161-4320	Q	Vert. mount, triple, red, green and blue	1.37	1.14	1.04	.95
161-4222	R	Horiz. mount, triple, red, green and blue	1.11	.85	.78	.71
161-4223	R	Horiz. mount, triple, red, white and yellow	1.11	.85	.78	.71



Cable Mount

For quantities of 1000 and up, call for quote.

161-0103	S	Jack, black plastic	.52	.34	.31	.28
161-0110	S	Jack, red plastic	.52	.34	.31	.28
161-4356	T	Phono jack, red ID ring	.66	.44	.40	.37
161-4357	T	Phono jack, white ID ring	.66	.44	.40	.37
161-4358	T	Phono jack, yellow ID ring	.66	.44	.40	.37
161-4359	T	Phono jack, black ID ring	.66	.44	.40	.37
16PJ150	U	Jack, shielded	.74	.57	.52	.47
161-0151	T	Red handle with strain relief	.66	.44	.40	.37
161-0152	T	Black handle with strain relief	.66	.44	.40	.37
161-0153	T	White handle with strain relief	.66	.44	.40	.37
161-0154	T	Yellow handle with strain relief	.66	.44	.40	.37

DELTRON Professional Phono and DIN Connectors

PROFESSIONAL RCA PHONO PLUGS AND LINE JACKS

A range of high quality UK manufactured phono plugs and line sockets made from machined brass with various plating options

Specifications:

- Center contact: brass with silver or gold plate
- Ground contact and cable clamp: brass with nickel or gold plate
- Body and spring strain relief: brass with nickel, gold, or black chrome plate
- Current rating: 5A @ 200VDC/150VAC
- Insulation: Noryl SE1
- Insulation resistance: 100MΩ @ 500VDC
- Maximum cable size: .22"

Cable Jacks

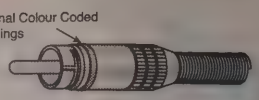
- Spring center contact for secure cable connection

MOUSER STOCK NO.	Plating		Price Each		
	Center Contact	Body	1	10	100
164-3400	Silver	Nickel	1.93	1.76	1.60
164-3410	Gold	Gold	2.55	2.31	2.10
164-3420	Gold	Black chrome	2.55	2.31	2.10

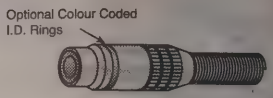
Plugs

- Ground contact with unique "T" shape slot provide maximum contact area

MOUSER STOCK NO.	Plating		Price Each		
	Center Contact	Body	1	10	100
Hollow Center Pin					
174-3300	Silver	Nickel	1.83	1.66	1.51
174-3310	Gold	Gold	2.34	2.13	1.94
174-3320	Gold	Black chrome	2.34	2.13	1.94
Solid Center Pin					
174-3330	Silver	Nickel	1.99	1.81	1.64
174-3340	Gold	Gold	2.49	2.27	2.06
174-3350	Gold	Black chrome	2.49	2.27	2.06



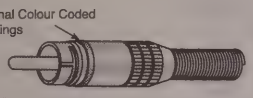
Plug

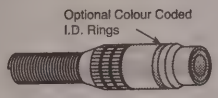


Cable Jack

COLOUR CODED I.D. RINGS

These unique colour coded I.D. rings provide a durable, bright coding system for Deltron professional phono plugs and line sockets.





MOUSER STOCK NO.	Color	Price Each		
		1	25	100
174-3431	Black	.10	.09	.08
174-3432	Blue	.10	.09	.08
174-3434	Green	.10	.09	.08
174-3435	Red	.10	.09	.08
174-3436	White	.10	.09	.08
174-3437	Yellow	.10	.09	.08

COLOURED CAP PHONO PLUGS

A range of high quality UK manufactured phono plugs made from machined brass with various plating options. The aluminum housing is anodized in various colors for easy identification.

Specifications:

- Current rating: 5A @ 200VDC/150VAC
- Insulation resistance: 100MΩ @ 500VDC
- Center contact, ground contact, and collet: brass with flash gold plate
- Body: anodized aluminum
- Spring: brass with black chrome plate
- Insulator: PTFE

Features:

- "T" shape ground contact for maximum contact area
- Accepts cable diameters up to .216"
- collect for cable gripping and dual grounding

MOUSER STOCK NO.	Cap Plating	Price Each		
		1	10	100
174-3461	Black anodized	3.43	3.12	2.84
174-3462	Blue anodized	3.43	3.12	2.84
174-3465	Red anodized	3.43	3.12	2.84
174-3467	Yellow anodized	3.43	3.12	2.84

PROFESSIONAL PHONO PLUGS

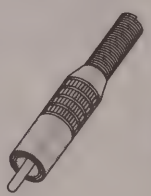
Designed and manufactured in the UK to the highest quality standards for use with Professional Audio Equipment.

Specifications:

- Current rating: 5A @ 200VDC/150VAC
- Insulation resistance: 100MΩ @ 500VDC
- Center contact, ground contact, and collet: 0.5 micron gold plated brass
- Insulator: PTFE for high dielectric constant

Features:

- Ground contact with "T" shaped slot for effective spring contact retention
- Solid brass body provides 100% shielding

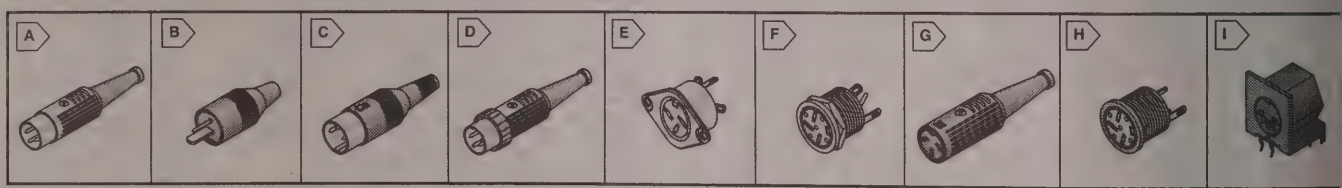


MOUSER STOCK NO.	Cap and Spring	Color Band	Price Each		
			1	10	100
174-3200	Gold flash	None	4.89	4.44	4.04
174-3205	Gold flash	Red	4.99	4.54	4.12
174-3206	Gold flash	White	4.99	4.54	4.12
174-3215	Black chrome	Red	4.99	4.54	4.12
174-3216	Black chrome	White	4.99	4.54	4.12

PROFESSIONAL PHONO PANEL JACKS

A turned brass, single nut, fixing panel socket. Available in nickel or gold plated finish and either red or black insulator material for identification purposes. A mounting hole of ø7.2mm is required.

MOUSER STOCK NO.	Contact Plating	Insulator	Price Each		
			1	10	100
164-4215	Nickel	Black	1.12	1.02	.93
164-4315	Nickel	Red	1.12	1.02	.93
164-4321	Gold	Black	1.37	1.24	1.14
164-4325	Gold	Red	1.37	1.24	1.14



PROFESSIONAL DIN CONNECTORS

DIN Plugs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Degree of Arc	Price Each			
				1	10	100	500
Bright Nickel Finish							
17HR613	A	3 pin	180°	2.71	2.46	2.24	2.04
17HR615	A	5 pin 45°	180°	2.85	2.59	2.35	2.14
164-6051	A	5 pin 60°	240°	2.66	2.42	2.20	2.00
164-6060	A	6 pin	240°	2.82	2.56	2.33	2.12
17HR618	A	8 pin	270°	4.43	4.03	3.66	3.33
17HR593	A	3 pin lockable	180°	4.10	3.73	3.39	3.08
17HR595	A	5 pin 45° lockable	180°	4.70	4.27	3.88	3.53
164-5951	A	5 pin 60° lockable	240°	4.39	3.99	3.63	3.30
17HR598	A	8 pin lockable	270°	6.04	5.49	4.99	4.54
Matte Black Finish							
174-2311	A	3 pin	180°	2.85	2.59	2.35	2.14
174-2411	A	4 pin	180°	3.66	3.33	3.03	2.75
174-2511	A	5 pin 45°	180°	3.66	3.33	3.03	2.75
164-6151	A	5 pin 60°	240°	2.81	2.55	2.32	2.11
174-2611	A	6 pin	240°	3.18	2.89	2.63	2.39
174-2312	A	3 pin lockable	180°	4.26	3.87	3.52	3.20
164-5140	A	4 pin lockable	180°	4.28	3.89	3.54	3.22
174-2512	A	5 pin 45° lockable	180°	4.91	4.46	4.05	3.68
PVC Molded Body							
17HR802	B	2 pin Speaker Plug	N/A	.80	.73	.66	.60
17HR803	C	3 pin	180°	.94	.85	.77	.70
17HR805	C	5 pin 45°	180°	1.22	1.11	1.01	.92
17HR806	C	6 pin	240°	1.36	1.24	1.13	1.03
17HR808	C	8 pin	270°	1.65	1.50	1.36	1.24
Ring Lock							
174-9231	D	3 pin	180°	3.79	3.45	3.13	2.85
174-9241	D	4 pin	180°	3.79	3.45	3.13	2.85
174-9252	D	5 pin 60°	240°	4.12	3.75	3.41	3.10
174-9281	D	8 pin	270°	4.58	4.17	3.79	3.45

Specifications:

- Voltage rating: 100V
- Current rating: 4A
- Contact resistance: <2mΩ
- Temperature range: -25°C to +70°C

Features:

- Fully shielded housing
- Suitable for audio/instrumentation applications

DIN Receptacles

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Fig.	Description	Degree of Arc	Price Each			
				1	10	100	500
Bright Nickel Finish							
16HR633	E	3 pin chassis	180°	2.39	2.17	1.97	1.79
16HR635	E	5 pin 45° chassis	180°	2.92	2.65	2.41	2.19
164-3051	E	5 pin 60° chassis	240°	2.74	2.49	2.26	2.05
16HR636	E	6 pin chassis	240°	3.25	2.95	2.68	2.44
16HR638	E	8 pin chassis	270°	3.97	3.61	3.28	2.98
16HR653	F	3 pin chassis	180°	4.96	4.51	4.10	3.73
16HR654	F	4 pin chassis	180°	5.04	4.58	4.16	3.78
16HR655	F	5 pin 45° chassis	180°	5.04	4.58	4.16	3.78
164-5051	F	5 pin 60° chassis	240°	4.70	4.27	3.88	3.53
16HR656	F	6 pin chassis	240°	5.47	4.97	4.52	4.11
16HR658	F	8 pin chassis	270°	6.15	5.59	5.08	4.62
Matte Black							
164-2313	G	3 pin in-line	180°	3.62	3.29	2.99	2.72
164-60140	G	4 pin in-line	180°	3.38	3.07	2.79	2.54
164-2513	G	5 pin in-line	180°	3.72	3.38	3.07	2.79
164-2521	E	5 pin chassis	180°	3.04	2.76	2.51	2.28
164-2322	F	3 pin chassis	180°	5.13	4.66	4.24	3.85
164-2522	F	5 pin chassis	180°	5.23	4.75	4.32	3.93
164-6580	F	8 pin chassis	270°	5.91	5.37	4.88	4.44
164-2531	H	5 pin PCB	180°	5.42	4.93	4.48	4.07
164-2345	Hex mntg. nut for 164-2331, 164-2431, 164-2531			.72	- - -	.50	- - -
PCB Mount 90° (Not Shielded)							
164-7150	I	5 pin 45°	180°	1.47	1.34	1.22	1.11
164-7151	I	5 pin 60°	240°	1.71	1.55	1.41	1.28
164-7106	I	6 pin	240°	1.77	1.61	1.46	1.33

DELTRON Color Coded XLR/DIN Connectors

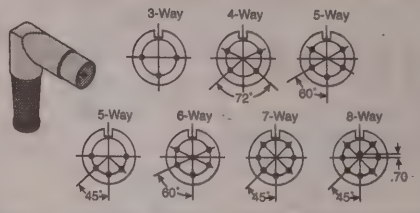
COLOR CODED XLR CONNECTORS/DIN CONNECTORS

t Angle DIN Connectors

shielded robust range of 90 deg. DIN Connectors for use in nentation and audio applications. Available in bright nickel. A construction incorporating cable grip and strain relief.

ifications:

erial Housing: Zinc Alloy heavy nickel plated over copper tacts: brass, silver plated



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Connector Description	Price Each 1	10	25	50
174-6203	620-0300	3 Way	8.45	7.34	6.68	6.07
174-6204	620-0400	4 Way	8.45	7.34	6.68	6.07
174-6205	620-0500	5 Way	8.45	7.34	6.68	6.07
174-6251	620-0510	5 Way 60 D	8.45	7.34	6.68	6.07
174-6206	620-0600	6 Way	8.45	7.34	6.68	6.07
174-6207	620-0700	7 Way	8.45	7.34	6.68	6.07
174-6208	620-0800	8 Way	8.45	7.34	6.68	6.07

CHANNEL IDENTIFICATION SYSTEM

nique color coded system gives you durable, bright identification for both free cable or panel plugs and sockets, making the marking of panel mounted connectors foolproof.
0 available colored collars are numbered 0-9 using the standard industry resistor color code system.

or Coded Connector Collars

ures:

circular ring prevents ring from falling off
ars numbered with corresponding
r for easy identification
s required for complete collar assembly

MOUSER STOCK NO.	Description	Price Each 1	10	25
174-72809	Assorted Bag of 50	5.00	4.00	3.87

Color Coded Panel Buttons

Features:

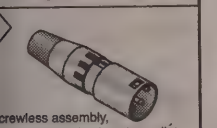
- 3 protruding lugs provide positive retention in panel connector
- 2 buttons may be used giving up to 100 possible identification combinations

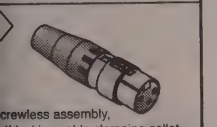
For quantities of 500 and up, call for quote.

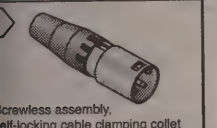
MOUSER STOCK NO.	Description	Price Each 1	10	25
164-72609	Assorted Bag of 50	2.50	1.50	1.18

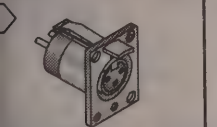
Made in the United Kingdom

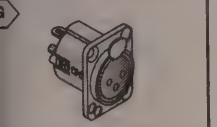
crewless assembly,
lf-locking cable clamping collet

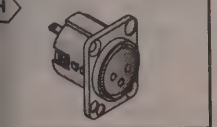

crewless assembly,
lf-locking cable clamping collet

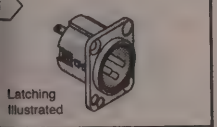

crewless assembly,
lf-locking cable clamping collet


crewless assembly,
lf-locking cable clamping collet








Latching
Illustrated

Specifications:

- Current rating per contact: 3C = 16A, 4C = 10A, 5C = 7.5A
- Maximum wire gauge: 3C = 12AWG, 4C = 16AWG, 5C = 18AWG
- Contact resistance: < 3mΩ
- Voltage rating: 250VAC

Features:

- Screwless assembly
- Die-Cast body parts (no plastic)
- Flexible colour coding systems
- Unique "squeeze" clip
- Assembly and disassembly is a quick few turns of the barrel: No fiddle screws. Inside there are generous sized solder buckets and a clever collet to ensure a very positive cable grip over a wide range of cable sizes.
- The female panel socket employs a unique squeeze clip which is very easy to use -- just squeeze down and pull back.

NON-REFLECTIVE NICKEL FINISH

Cable Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Connector Description	Industry Ref. No.	Price Each 1	10	50
Silver Contacts							
164-7113	700-0300	A	3-pin female	A3F	3.74	3.40	3.24
164-7114	700-0400	A	4-pin female	A4F	6.03	5.50	5.24
164-7115	700-0500	A	5-pin female	A5F	7.29	6.66	6.34
174-7123	701-0300	B	3-pin male	A3M	2.90	2.65	2.52
174-7124	701-0400	B	4-pin male	A4M	4.53	4.14	3.94
174-7125	701-0500	B	5-pin male	A5M	5.52	5.04	4.80
Gold Contacts							
164-7123	704-0300	A	3-pin female	---	4.22	3.82	3.62
174-7133	705-0300	B	3-pin male	---	3.43	3.12	2.74
174-7135	705-0500	B	5-pin male	---	6.46	5.87	5.17

Plastic Backshell Cable Connectors

For quantities of 100 and up, call for quote.

Silver Contacts							
164-8113	800-0300	C	3-pin female	A3F	2.54	2.31	2.03
164-8114	800-0400	C	4-pin female	A4F	4.41	4.01	3.53
164-8115	800-0500	C	5-pin female	A5F	5.39	4.90	4.31
174-8123	801-0300	D	3-pin male	A3M	2.36	2.15	1.89
174-8124	801-0400	D	4-pin male	A4M	3.21	2.92	2.57
174-8125	801-0500	D	5-pin male	A5M	4.10	3.73	3.28
Gold Contacts							
164-8123	802-0300	C	3-pin female	---	3.92	3.56	3.14
164-8124	802-0400	C	4-pin female	---	6.24	5.67	4.99
174-8133	803-0300	D	3-pin male	---	3.07	2.80	2.46
174-8135	803-0500	D	5-pin male	---	5.88	5.35	4.70

Panel Mount Connectors

For quantities of 100 and up, call for quote.

Silver Contacts							
164-7133	702-0300	E	3-pin female	D3F	3.12	2.84	2.70
164-7134	702-0400	E	4-pin female	D4F	5.54	5.04	4.79
164-7135	702-0500	E	5-pin female	D5F	6.51	5.92	5.62
174-7143	703-0300	F	3-pin male	D3M	2.52	2.40	2.16
174-7144	703-0400	F	4-pin male	D4M	3.19	3.04	2.74
174-7145	703-0500	F	5-pin male	D5M	4.14	3.94	3.55
Gold Contacts							
164-7143	706-0300	E	3-pin female	---	5.61	5.07	4.71
164-7144	706-0400	E	4-pin female	---	9.70	8.76	8.14
174-7153	707-0300	F	3-pin male	---	3.22	2.94	2.80
174-7155	707-0500	F	5-pin male	---	5.43	4.96	4.72

Universal Panel Mount Connectors

- Front or rear panel mount

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Description	Price Each 1	10	50
Silver Contacts						
164-7163	716-0300	G	3-pin female, latching	4.44	4.05	3.86
164-7164	716-0400	G	4-pin female, latching	5.93	5.42	5.16
164-7165	716-0500	G	5-pin female, latching	7.15	6.53	6.22
174-7173	717-0300	I	3-pin male, latching	3.93	3.59	3.42
174-7174	717-0400	I	4-pin male, latching	5.70	5.21	4.96
Gold Contacts						
164-72203	722-0300	G	3-pin female, latching	5.08	4.83	4.32
164-2203	722-0301	H	3-pin female, non-latching	4.96	4.71	4.22
164-72205	722-0500	G	5-pin female, latching	7.44	7.07	6.32
174-72303	723-0300	I	3-pin male, latching	4.18	3.78	3.55
174-2303	723-0301	I	3-pin male, non-latching	4.10	3.69	3.49
174-72305	723-0500	I	5-pin male, latching	7.26	6.53	6.17

NON-REFLECTIVE BLACK CHROME FINISH

Cable Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Connector Description	Industry Ref. No.	Price Each 1	10	50
Silver Contacts							
164-7213	708-0300	A	3-pin female	A3FB	3.93	3.59	3.42
164-7214	708-0400	A	4-pin female	A4FB	6.03	5.50	5.24
164-7215	708-0500	A	5-pin female	A5FB	7.29	6.66	6.34
174-7223	709-0300	B	3-pin male	A3MB	3.13	2.86	2.72
174-7224	709-0400	B	4-pin male	A4MB	4.53	4.14	3.94
174-7225	709-0500	B	5-pin male	A5MB	5.52	5.04	4.80
Gold Contacts							
164-7223	712-0300	A	3-pin female	A3FBAU	4.39	3.97	3.76
164-7224	712-0400	A	4-pin female	---	6.78	6.14	5.81
174-7233	713-0300	B	3-pin male	A3MBAU	3.65	3.32	2.92
174-7234	713-0400	B	4-pin male	---	5.39	4.90	4.31
174-7235	713-0500	B	5-pin male	---	6.46	5.87	5.17

Plastic Backshell Cable Connectors

For quantities of 100 and up, call for quote.

Silver Contacts							
164-8213	804-0300	C	3-pin female	A3FB	3.21	2.92	2.57
164-8214	804-0400	C	4-pin female	A4FB	4.99	4.54	3.99
164-8215	804-0500	C	5-pin female	A5FB	6.01	5.47	4.81
174-8223	805-0300	D	3-pin male	A3MB	2.90	2.63	2.32
174-8225	805-0500	D	5-pin male	A5MB	4.54	4.13	3.64
Gold Contacts							
164-8225	806-0500	C	5-pin female	---	6.91	6.28	5.52
174-8235	807-0500	D	5-pin male	---	5.08	4.62	4.06

Panel Mount Connectors

For quantities of 100 and up, call for quote.

Silver Contacts							
164-7233	710-0300	E	3-pin female	D3FB	3.30	3.00	2.85
164-7234	710-0400	E	4-pin female	D4FB	5.54	5.04	4.79
164-7235	710-0500	E	5-pin female	D5FB	6.51	5.92	5.62
174-7243	711-0300	F	3-pin male	D3MB	2.69	2.56	2.30
174-7244	711-0400	F	4-pin male	D4MB	3.19	3.04	2.74
174-7245	711-0500	F	5-pin male	D5MB	4.14	3.94	3.55
Gold Contacts							
164-7243	714-0300	E	3-pin female	D3FBAU	5.86	5.29	4.91
164-7245	714-0500	E	5-pin female	---	11.01	9.94	9.23
174-7253	715-0300	F	3-pin male	D3MBAU	3.36	3.07	2.92
174-7254	715-0400	F	4-pin male	---	4.44	4.05	3.86

Universal Panel Mount Connectors

- Front or rear panel mount

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Description	Price Each 1	10	50
Silver Contacts						
164-7183	718-0300	G	3-pin female, latching	4.44	4.05	3.86
164-1803	718-0301	H	3-pin female, non-latching	4.35	3.97	3.78
164-7184	718-0400	G	4-pin female, latching	5.93	5.42	5.16
164-7185	718-0500	G	5-pin female, latching	7.15	6.53	6.22
174-7193	719-0300	I	3-pin male, latching	3.93	3.59	3.42
174-7195	719-0500	I	5-pin male, latching	6.92	6.32	6.02
Gold Contacts						
164-72403	724-0300	G	3-pin female, latching	5.08	4.83	4.32
164-72404	724-0400	G	4-pin female, latching	6.38	6.06	5.42
164-72405	724-0500	G	5-pin female, latching	7.44	7.07	6.32
174-2503	725-0301	I	3-pin male, non-latching	4.10	3.69	3.49
174-72505	725-0500	I	5-pin male, latching	7.26	6.53	6.17

POMONA Audio Connectors

Pomona ELECTRONICS

POMONA RCA / PHONO PLUG CABLE ASSEMBLIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
565	6900-180	A	3 RCA plugs / 3 RCA plugs cable assembly, 15 ft, Red, Grn, Blu	14.99	14.24	13.53
565	6896-180	B	2 RCA plugs / 2 RCA plugs cable assembly, 15 ft, Wht & Red	9.99	9.49	9.02
565	6898-180	C	RCA plug / RCA plug cable assembly, 15 ft, Blk	6.51	6.18	5.87
565	6901-180	C	RCA plug / RCA plug cable assembly, 15 ft, Yellow	6.51	6.18	5.87

POMONA PHONO PLUG TO BNC MALE W/ MOLDED STRAIN RELIEF

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Length	Price Each 1	25	50
565	4963-E-24	D	Phono Plug to BNC Male w/ Molded Strain Relief	24in (0.6m)	14.24	13.53	12.85
565	4963-E-36	D	Phono Plug to BNC Male w/ Molded Strain Relief	36in (0.9m)	14.86	14.12	13.41
565	4963-E-48	D	Phono Plug to BNC Male w/ Molded Strain Relief	48in (1.2m)	15.53	14.75	14.02
565	4963-E-60	D	Phono Plug to BNC Male w/ Molded Strain Relief	60in (1.5m)	16.31	15.49	14.72

POMONA PHONO PLUG CABLE W/ MOLDED STRAIN RELIEF

For quantities of 100 and up, call for quote.

565—5092-K-18	E	Phono Plug Cable with Molded Strain Relief	18in (0.5m)	17.60	16.72	15.88
565—5092-K-24	E	Phono Plug Cable with Molded Strain Relief	36in (0.9m)	17.60	16.72	15.88
565—5092-K-36	E	Phono Plug Cable with Molded Strain Relief	48in (1.2m)	18.64	17.71	16.82
565—5092-K-48	E	Phono Plug Cable with Molded Strain Relief	60in (1.5m)	18.64	17.71	16.82

POMONA RCA CONNECTORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
565	6880	F	RCA jack	1.19	1.13	1.07
565	6881	G	RCA plug	1.14	1.08	1.03
565	6882	H	RCA Adapter (f/m/f)	3.79	3.60	3.42

POMONA WECO PLUG PATCH CORDS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Length	Price Each 1	25	50
565	6507-96	I	Standard WECO Plug Patch Cord RG59	8 ft.(2.4m)	33.79	32.10	30.50
565	6502-96	J	Mini-WECO Plug Patch Cord RG59	8 ft.(2.4m)	33.79	32.10	30.50
565	6515-96	K	75 Ohm BNC (M) to Mini-WECO Cable RG59	8 ft.(2.4m)	31.68	30.10	28.60
565	6516-96	L	75 Ohm BNC (M) to Standard WECO Cable RG59	8 ft.(2.4m)	31.68	30.10	28.60

POMONA RIGHT ANGLE AND STRAIGHT 1/4" STANDARD PHONE PLUGS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
565	7140	M	Right Angle/Straight 1/4 STD Phone Plug 2 Nickel Plating	2.01	1.91	1.81
565	7142	N	Right Angle/Straight 1/4 STD Phone Plug 3 Nickel Plating	3.03	2.88	2.74

POMONA COMMERCIAL 1/4" PHONE PLUGS

For quantities of 100 and up, call for quote.

565—7148	O	Locking 1/4" Phone Jack Cable Mount	7.13	6.77	6.43
565—7150	P	Shielded 2-Conductor 1/4" Phone Plug, Long Handle	1.51	1.43	1.36
565—7151	Q	Right Angle 2-Conductor 1/4" Plug	1.69	1.61	1.53
565—7152	R	Shielded 3-Conductor 1/4" Phone Plug	2.34	2.22	2.11
565—7153	S	2-Conductor 1/4" Speaker Plug for Large Diameter Cable	2.02	1.92	1.82
565—7156	T	2-Conductor 1/4" Phone Jack w/Insulated Washer & Solder Lugs	.78	.74	.70
565—7157	U	3-Conductor 1/4" Phone Jack w/Insulated Washer & Solder Lugs	1.29	1.23	1.17

POMONA 1/4" STEREO JACKS

For quantities of 100 and up, call for quote.

565—7158	V	Horizontal 3-Conductor 1/4" Jack, PC Board Mount	.94	.89	.85
565—7159	W	Horizontal 2-Conductor 1/4" Jack, PC Board Mount	.90	.86	.82
565—7160	X	Horizontal 3-Conductor 1/4" Jack, Solder Tabs	.94	.89	.85

POMONA 1/4" JACK AND PLUG ADAPTERS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
565	7162	Y	Mono 2-Conductor 1/4" Phone Jack Adapter	1.54	1.46	1.39
565	7163	Y	Stereo 3-Conductor 1/4" Phone Jack Adapter	1.54	1.46	1.39
565	7164	Z	2-Conductor 1/4" Phone Plug Adapter	2.53	2.40	2.28

POMONA AUDIO XLR PLUGS

For quantities of 100 and up, call for quote.

565—6902-120	AA	Rugged XLR plug / jack - 10' Audio Cable	29.95	28.45	27.03
565—6902-180	AA	Rugged XLR plug / jack - 15' Audio Cable	34.95	33.20	31.35
565—6902-240	AA	Rugged XLR plug / jack - 20' Audio Cable	39.95	37.95	36.05
565—6902-300	AA	Rugged XLR plug / jack - 25' Audio Cable	44.95	42.70	40.57

POMONA XLR CABLE ASSEMBLIES

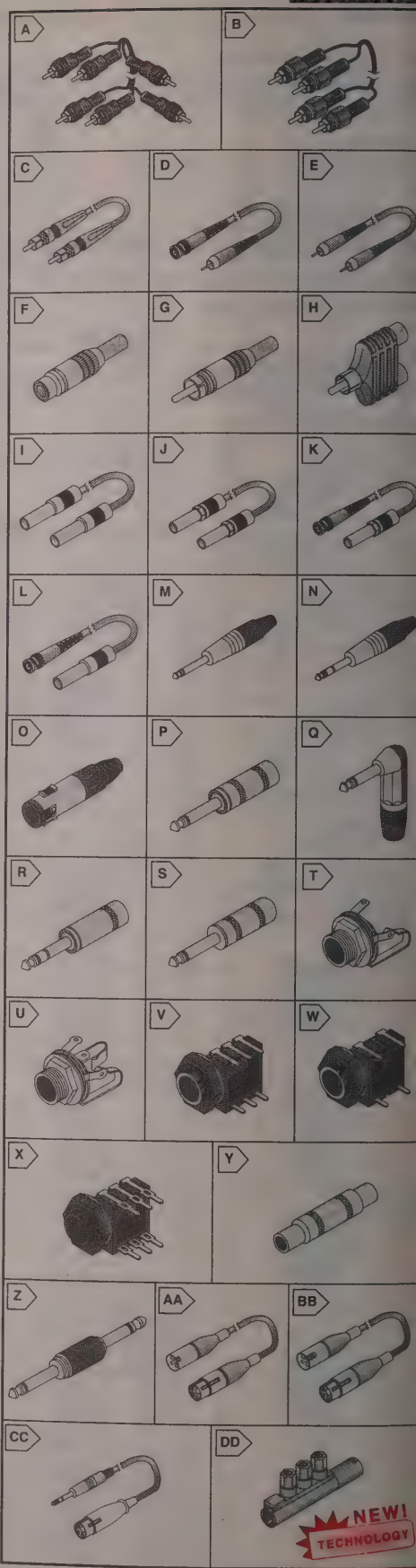
For quantities of 100 and up, call for quote.

565—6869-180	BB	XLR plug / jack - 15' Audio Cable	10.49	9.97	9.47
565—6869-300	BB	XLR plug / jack - 25' Audio Cable	15.49	14.72	13.98
565—6888-180	CC	XLR jack / 1/4" stereo plug cable assembly, 15 ft	9.99	9.49	9.00
565—6888-300	CC	XLR jack / 1/4" stereo cable assembly, 25 ft	14.99	14.24	13.53

POMONA XLR TRIPLE BINDING POST ADAPTERS

For quantities of 100 and up, call for quote.

565—7286	DD	XLR (M) Triple Binding Post	29.95	28.45	27.03
565—7287	DD	XLR (F) Triple Binding Post	29.95	28.45	27.03
565—7288	DD	XLR (M) Triple Binding Post to RJ11	34.95	33.20	31.54
565—7289	DD	XLR (F) Triple Binding Post RJ11	34.95	33.20	31.54



mona. SURECONNECT XLR CONNECTORS

For quantities of 100 and up, call for quote.

USER STOCK NO. / Mfr. Part No.	Fig.	Description	Price Each 1	25	50
5—6853	A	Ruggedized XLR Plug, Black nickel shell, gold contacts	4.99	4.74	4.50
5—6852	B	Ruggedized XLR Jack, Black nickel shell, gold contacts	4.29	4.08	3.88
5—5110	A	Standard XLR Plug, 3 pin, Nickel shell, silver contacts	3.59	3.41	3.24
5—5109	B	Standard XLR Jack, 3 pin, Nickel shell, silver contacts	3.99	3.79	3.60
5—6851	C	Standard XLR Plug, 3 pin	3.59	3.41	3.24
5—6850	D	Standard XLR Jack, 3 pin	3.59	3.41	3.24
5—5126A	E	Standard XLR Plug, 5 pin	3.79	3.60	3.42
5—5125A	F	Standard XLR Jack, 5 pin	3.79	3.60	3.42
5—5113A	G	XLR (f) Panel Receptacle, 3 contacts	2.59	2.46	2.34
5—5117A	H	XLR (m) Panel Receptacle, 3 contacts	2.59	2.46	2.34
5—6854	I	XLR (f) Panel Receptacle, 5 contacts	5.79	5.50	5.23
5—6855	J	XLR (m) Panel Receptacle, 5 contacts	4.79	4.55	4.32

mona. XLR ADAPTERS

For quantities of 100 and up, call for quote.

5—6856	K	3 pin XLR Jack to XLR Jack	5.99	5.69	5.41
5—6857	L	3 pin XLR Plug to XLR Plug	7.99	7.59	7.21
5—6858	M	3 pin XLR Plug to XLR Jack	9.99	9.49	9.02
5—6859	N	3 pin XLR Jack to 1/4" Jack (stereo)	9.99	9.49	9.02
5—6860	O	3 pin XLR Plug to 1/4" Jack (stereo)	6.99	6.64	6.31
5—6863	P	3 pin XLR Jack to 1/4" Plug (stereo)	9.99	9.49	9.02
5—6864	Q	3 pin XLR Plug to 1/4" Plug (stereo)	9.99	9.49	9.02

mona. AUDIO CONNECTORS

For quantities of 100 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Fig.	Description	Price Each 1	25	50
65—6873	R	1/4" Phone Plug, 2 pole (mono)	.92	.87	.83
65—6874	R	1/4" Phone Plug, 3 pole (stereo)	1.90	1.81	1.72
65—6877	S	Panel Mount Locking 1/4" Phone Jack	5.10	4.85	4.61
65—6878	T	1/4"plug / RCA jack	3.89	3.70	3.52
65—6879	U	1/4" jack / RCA plug	3.89	3.70	3.52

mona. XLR STRAIGHT CABLE CONNECTORS - SCREWLESS

65—7283	V	3 Pole (F) IN Line XLR, Silver Contacts, Nickel, Thermoplastic Boot	2.64	2.51	2.38
65—7284	W	3 Pole (M) IN Line XLR, Silver Contacts, Nickel, Thermoplastic Boot	2.64	2.51	2.38
65—7093	X	XLR (M), 4 PIN, Screwless Connector	4.80	4.56	4.33
65—7094	Y	XLR (F), 4 PIN, Screwless Connector	5.82	5.53	5.25

mona. IDC TYPE XLR

For quantities of 100 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Fig.	Description	Price Each 1	25	50
65—7273	Z	3 Pole (M) XLR, IDC, Silver contacts, Nickel shell, Thermoplastic back shell	3.46	3.28	3.12
65—7274	AA	3 Pole (F) XLR, IDC, Silver contacts, Thermoplastic back shell	3.85	3.66	3.48
65—7275	BB	3 Pole (M) XLR, IDC, Silver contacts, Black shell, Thermoplastic Boot	3.85	3.66	3.48
65—7276	CC	3 Pole (M) XLR, IDC, Silver contacts, Black shell, Thermoplastic Boot	4.21	4.00	3.80

omona. RECTANGULAR FLANGED PANEL RECEPTACLES

For quantities of 100 and up, call for quote.

565—7106	DD	XLR (M), 4 Pin, Rectangular Flanged Panel Mount, Nickel	4.65	4.42	4.20
565—7107	EE	XLR (F), 4 Pin, Rectangular Flanged Panel Mount, Nickel	7.46	7.09	6.74
565—7108	FF	XLR (F), 3 Pin, Rectangular Flanged Panel Mount, Black	4.79	4.55	4.32
565—7109	GG	XLR (M), 4 Pin, Rectangular Flanged Panel Mount, Black	5.75	5.46	5.19
565—7110	HH	XLR (F), 4 Pin, Rectangular Flanged Panel Mount, Black	7.69	7.31	6.94

omona. SQUARE FLANGED PANEL RECEPTACLES

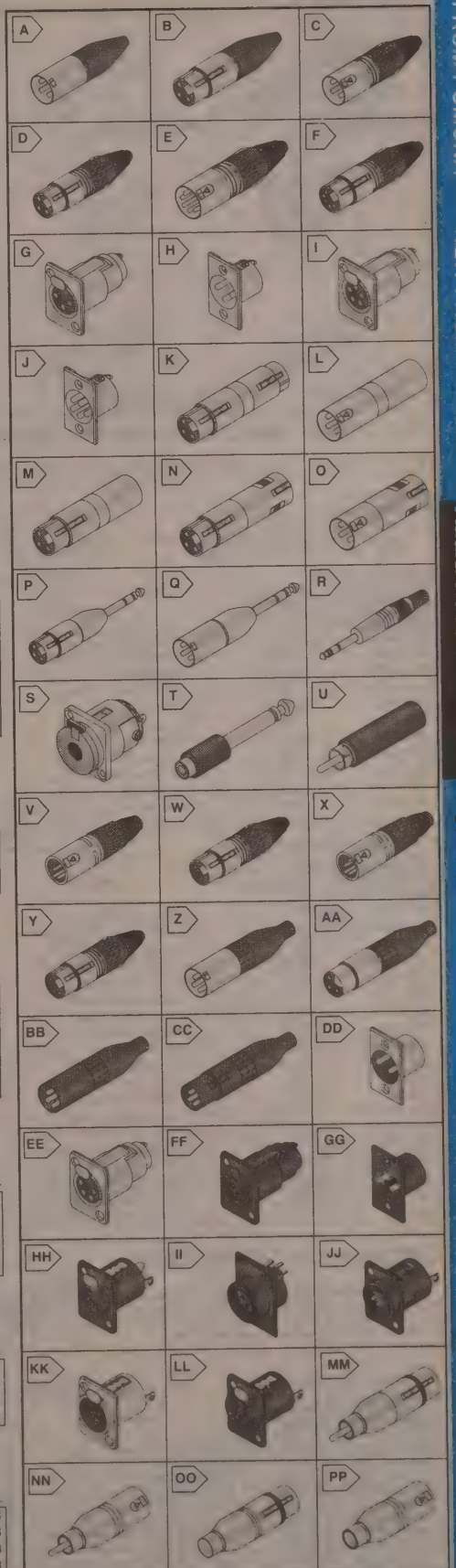
For quantities of 100 and up, call for quote.

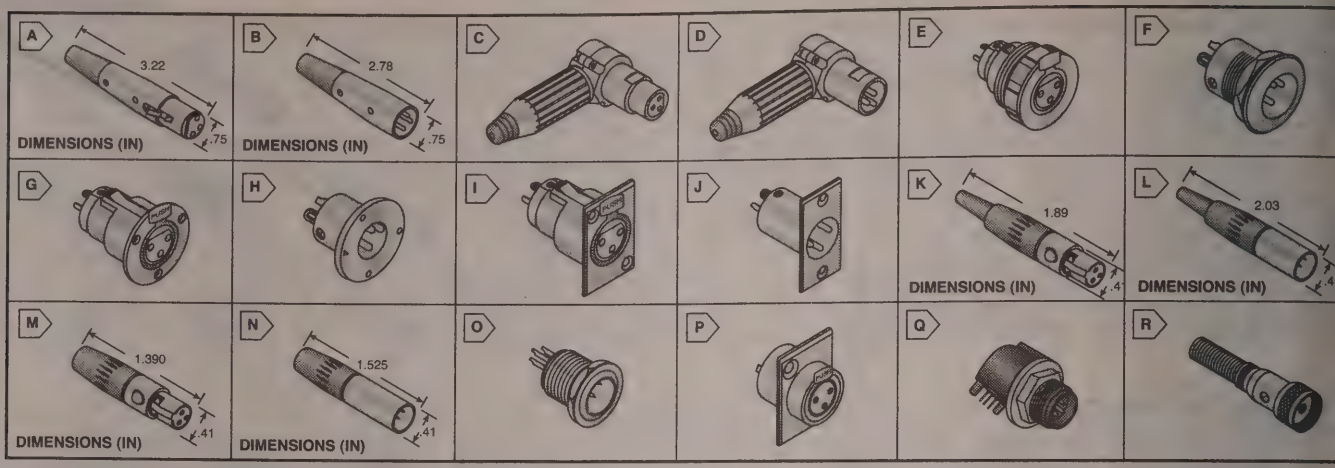
565—7111	II	XLR Square Flanged Panel Recept. Horizontal PC Board	3.48	3.31	3.14
565—7113	JJ	XLR Square Flanged Panel Recept, Solder Cups, Black	3.77	3.58	3.40
565—7114	KK	XLR Square Flanged Panel Recept, Solder Cups, Nickel	2.92	2.77	2.63
565—7115	LL	XLR Square Flanged Panel Recept, Solder Cups, Black	3.43	3.26	3.10

omona. XLR ADAPTERS

For quantities of 100 and up, call for quote.

565—7269	MM	XLR (F) / RCA (M)	4.58	4.35	4.13
565—7270	NN	XLR (M) / RCA (M)	4.58	4.35	4.13
565—7271	OO	XLR (F) / RCA (F)	4.58	4.35	4.13
565—7272	PP	XLR (M) / RCA (F)	4.58	4.35	4.13





"Q-G" QUICK GROUND XLR AUDIO CONNECTORS

"Q-G" connectors feature a separate ground terminal integral with the connector shell. The high-impact thermoplastic insert is retained by a loss preventing captive design screw, female connectors have positive latch lock system.

Specifications:

- Current Rating: 3C = 15A, 4C = 10A, 5C = 7.5A
- Cable Size: .21" to .30" O.D.
- Wire Size: 3 contact-12 AWG solid, 14 AWG stranded; 4 contact-14 AWG solid, 16 AWG stranded;
- 5 contact-18 AWG solid, 20 AWG stranded
- Pin and Socket Contact: Silver-plated copper alloy
- Housing Material: Die-Cast zinc with satin nickel or black velvet finish

Cord End Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each 1	10	25
502-A3F	A3F	A	3 pin female plug	5.02	4.56	4.33
502-A3FB	A3FB	A	3 pin female plug (black)	5.83	5.30	5.04
502-A3M	A3M	B	3 pin male plug	4.47	4.06	3.86
502-A3MB	A3MB	B	3 pin male plug (black)	5.19	4.72	4.48
502-A4F	A4F	A	4 pin female plug	8.12	7.38	7.01
502-A4M	A4M	B	4 pin male plug	5.13	4.66	4.43
502-A5F	A5F	A	5 pin female plug	16.54	15.04	14.29
502-A5M	A5M	B	5 pin male plug	10.49	9.54	9.06
502-A6F	A6F	A	6 pin female plug	18.70	17.00	16.15
502-A6M	A6M	B	6 pin male plug	14.89	13.54	12.86
502-R3FZ	R3FZ	C	3 pin female rt. angle plug w/strain relief	8.80	8.00	7.60
502-R3MZ	R3MZ	D	3 pin male rt. angle plug w/strain relief	8.47	7.70	7.32

Panel Mount Receptacles

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each 1	10	25
502-B3F	B3F	E	3 pin female receptacle	18.96	17.24	16.38
502-B3FB	B3FB	E	3 pin female receptacle (black)	18.96	17.24	16.38
502-B3M	B3M	F	3 pin male receptacle	9.20	8.36	7.94
502-B3MB	B3MB	F	3 pin male receptacle (black)	9.20	8.36	7.94
502-B4M	B4M	F	4 pin male receptacle	9.46	8.60	8.17
502-C3F	C3F	G	3 pin female receptacle	8.80	8.00	7.60
502-C3M	C3M	H	3 pin male receptacle	7.83	7.12	6.76
502-C4F	C4F	G	4 pin female receptacle	13.86	12.60	11.97
502-C4M	C4M	H	4 pin male receptacle	8.32	7.56	7.18
502-C5F	C5F	G	5 pin female receptacle	22.18	20.16	19.15
502-C5M	C5M	H	5 pin male receptacle	15.09	13.72	13.03
502-D3F	D3F	I	3 pin female receptacle	6.58	5.98	5.68
502-D3FBAU	D3FBAU	I	3 pin female recept., black w/gold contacts	7.72	7.02	6.67
502-D3M	D3M	J	3 pin male receptacle, nickel	4.86	4.42	4.20
502-D3MB	D3MB	J	3 pin male receptacle, black	6.09	5.54	5.26
502-D3MBAU	D3MBAU	J	3 pin male recept., black w/gold contacts	7.92	7.20	6.84
502-D4F	D4F	I	4 pin female receptacle, nickel	9.31	8.46	8.04
502-D4M	D4M	J	4 pin male receptacle, nickel	5.79	5.26	5.00
502-D5F	D5F	I	5 pin female receptacle, nickel	18.81	17.10	16.25

TINI "Q-G" QUICK GROUND XLR AUDIO CONNECTORS

Miniature XLR connectors, ideal for use with slim lavaliere microphones and instrumentation using shielded or unshielded cables. Positive latch locking system and molded thermo plastic strain relief.

Specifications:

- Current Rating: Plug or Panel 3-4C = 5A, 5C = 4A; PCB Receptacle 3-5C = 5A
- Maximum Cable: .115" O.D. for flex relief versions; .170" O.D. for "L" version (omitted flex relief).
- Wire Size: 22 AWG solid; 24 AWG stranded
- Contacts: Pin and Socket-Silver-plated copper alloy; PCB Receptacle-Tin-plated brass
- Housing Material: Plugs and Male Receptable-Nickel-plated copper alloy, Female Receptable-Nickel-plated die cast zinc; PCB Receptable-Thermoplastic

Cord End Plugs

For quantities of 100 and up, call for quot

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each 1	10	25
502-TA3F	TA3F	K	3 pin female plug	7.37	6.70	6.3
502-TA3M	TA3M	L	3 pin male plug	7.13	6.48	6.1
502-TA3FL	TA3FL	M	3 pin female plug for larger cable	8.36	7.60	7.2
502-TA3ML	TA3ML	N	3 pin male plug for larger cable	7.04	6.40	6.0
502-TA4F	TA4F	K	4 pin female plug	7.99	7.26	6.9
502-TA4M	TA4M	L	4 pin male plug	7.77	7.06	6.7
502-TA4FL	TA4FL	M	4 pin female for larger cable	9.15	8.32	7.9
502-TA4ML	TA4ML	N	4 pin male for larger cable	9.50	8.64	8.2
502-TA5F	TA5F	K	5 pin female plug	9.94	9.04	8.5
502-TA5M	TA5M	L	5 pin male plug	8.62	7.84	7.4
502-TA5FL	TA5FL	M	5 pin female plug for larger cable	12.28	11.16	10.6
502-TA5ML	TA5ML	N	5 pin male plug for larger cable	8.56	7.78	7.3

Panel Mount Receptacles

For quantities of 100 and up, call for quot

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each 1	10	25
502-TB3M	TB3M	O	3 pin male receptacle	7.83	7.12	6.7
502-TY3F	TY3F	P	3 pin female receptacle	9.20	8.36	7.9
502-TB4M	TB4M	O	4 pin male receptacle	8.62	7.84	7.4
502-TY4F	TY4F	P	4 pin female receptacle	12.43	11.30	10.7
502-TB5M	TB5M	O	5 pin male receptacle	9.39	8.54	8.1
502-TY5F	TY5F	P	5 pin femal receptacle	10.58	9.62	9.1

PC Board Mount Receptacles

For quantities of 100 and up, call for quot

502-TRASM3M	TRASM3M	Q	3 pin male surface mount	8.32	7.56	7.18
502-TRAPC3M	TRAPC3M	Q	3 pin male thru hole	6.18	5.62	5.34
502-TRASM4M	TRASM4M	Q	4 pin male surface mount	8.76	7.96	7.56
502-TRAPC4M	TRAPC4M	Q	4 pin male thru hole	8.12	7.38	7.01
502-TRASM5M	TRASM5M	Q	5 pin male surface mount	9.26	8.42	8.00
502-TRAPC5M	TRAPC5M	Q	5 pin male thru hole	6.78	6.16	5.85

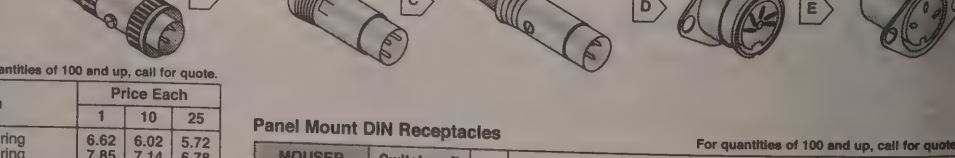
MICROPHONE CONNECTOR

Designed with 5/8-27 threads for use with single conductor microphones with cable O.D. No greater than .281". The coupling ring is removable for fast change from female to male type.

502-2501F	2501F	R	Female microphone connector	4.25	3.86	3.67

CIRCULAR DIN CONNECTORS

Designed for low level circuitry in computer, commercial, industrial, consumer, and military applications. They are exact replacements for many foreign built products. They are used extensively for computer keyboard, I/O, and peripheral applications.



DIN Cord End Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each 1	10	25
502-05CL3M	05CL3M	A	3 pins @ 180° w/lock ring	6.62	6.02	5.72
502-05CL5M	05CL5M	A	5 pins @ 180° w/lock ring	7.85	7.14	6.78
502-12CL5M	12CL5M	A	5 pins @ 240° w/lock ring	7.44	6.76	6.42
502-05GM3M	05GM3M	B	3 pins @ 180° w/shielded barrel	3.74	3.40	3.23
502-05GM5M	05GM5M	B	5 pins @ 180° w/shielded barrel	5.28	4.80	4.56
502-12GM5M	12GM5M	B	5 pins @ 240° w/shielded barrel	5.37	4.88	4.64
502-05BL3M	05BL3M	C	3 pins @ 180° w/extended barrel	4.36	3.96	3.76
502-05BL5M	05BL5M	C	5 pins @ 180° w/extended barrel	4.80	4.36	4.14
502-12BL5M	12BL5M	C	5 pins @ 240° w/extended barrel	4.80	4.36	4.14

Panel Mount DIN Receptacles

For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each 1	10	25
502-57HB5F	57HB5F	D	5 pins @ 180° for lock ring plug	3.41	3.10	2.95
502-61HA5F	61HA5F	D	5 pins @ 240° for lock ring plug	3.67	3.34	3.17
502-57GB3F	57GB3F	E	3 pins @ 180° for shielded / extended barrel plug	3.26	2.96	2.81
502-57GB5F	57GB5F	E	5 pins @ 180° for shielded / extended barrel plug	2.55	2.32	2.20
502-61GB5F	61GB5F	E	5 pins @ 240° for shielded / extended barrel plug	3.39*	3.08	2.93

MOUSER ELECTRONICS a tti company (800) 346-6873

MMERCIAL 1/4" PHONE PLUGS

Hal Specifications:

ures large cable clamp with solder tabs
sing/shell: Brass Ni/Au/Black plated or Zinc diecast
lation: Thermoplastic
tacts: Brass, Ni/Au plated
in relief: Crimp type SnCe plated

For quantities of 100 and up, call for quote.

MOUSER TOCK NO.	Neutrik Part No.	Fig.	Description	Cable O.D.	Price Each		
					1	10	25
-NYS201	NYS201	A	Mono, short handle	6mm	.96	.88	.86
-NYS202	NYS202	A	Stereo, short handle	6mm	1.52	1.39	1.35
-NYS203	NYS203	B	Mono, plastic handle	6mm	1.02	.93	.91
-NYS204	NYS204	B	Stereo, plastic handle	6mm	1.11	1.02	.99
-NYS224	NYS224	A	Mono, long handle	8mm	1.11	1.02	.99
-NYS224L	NYS224L	A	Mono, long handle,outlet D=9.5mm	8mm	1.17	1.07	1.04
-NYS228	NYS228	A	Stereo, long handle	6mm	2.06	1.89	1.83
-NYS225	NYS225	C	Mono, lg. shell for speaker cable	8mm	2.17	1.99	1.93
-NYS225B	NYS225B	C	Mono, black lg. shell for speaker cable	8mm	2.17	1.99	1.93

" PROFESSIONAL PHONE PLUGS

ll: ZnAl^{4}Cu^1, Ni or Black Cr plated
ntacts: 2µm Ni (Su)
ick: POM

- Diecast shell
- Soldering terminations
- Chuck-type strain relief
- Plastic sleeve for optimal cable protection

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Housing	Contacts	Price Each		
						1	10	25
-NP2C	NP2C	D	2	Nickel satin	Nickel	2.78	2.55	2.47
-NP2C-BAG	NP2C-BAG	D	2	Black chrome	Nickel	2.82	2.58	2.50
-NP3C	NP3C	D	3	Nickel satin	Nickel	4.06	3.72	3.61
-NP3C-BAG	NP3C-BAG	D	3	Black chrome	Nickel	4.17	3.82	3.71

" RIGHT ANGLE PROFESSIONAL PHONE PLUGS

uck-type strain relief
ound termination without soldering

For quantities of 100 and up, call for quote.

-NP2RCS	NP2RCS	E	2	Nickel satin	Nickel	2.97	2.72	2.64
-NP3RCS	NP3RCS	E	3	Nickel satin	Nickel	5.49	5.03	4.88

NGFRAME TB PHONE PLUGS

metal
dering terminations

- Chuck-type strain relief
- No rivets or screws

For quantities of 100 and up, call for quote.

-NP3TB-B	NP3TB-B	F	3	Black	Nickel	5.67	5.20	5.04
-NP3TB-R	NP3TB-R	F	3	Red	Nickel	5.67	5.20	5.04

ONO (RCA) CONNECTORS

avy duty all metal phono plugs with long handle
ono plug accepts cable OD up to 0.25"
using/handle: Brass Ni/Au black plated or Zinc diecast
ulation: Thermoplastic
ntacts: Brass Ni/Au plated

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Contacts	Price Each		
					1	10	25
-NYS352	NYS352	G	Plug, Nickel shell	Silver	.78	.71	.69
-NYS352G	NYS352G	G	Plug, Nickel shell	Gold	1.15	1.05	1.02
-NYS355	NYS355	H	Adapter, Nickel shell	Silver	1.59	1.46	1.42

RCULAR DIN CONNECTORS

ecast shell with nickel plated finish
exible strain relief
ver plated - tarnish resistant contacts
avy duty cable clamps
male receptacles have stamped housing with nickel plated finish
round contact provides complete shielding
ousing/handle: Brass Ni/Au black plated or Zinc diecast
ulation: Thermoplastic
ntacts: Brass Ni/Au plated
rain relief: Crimp type SnCe plated

For quantities of 100 and up, call for quote.

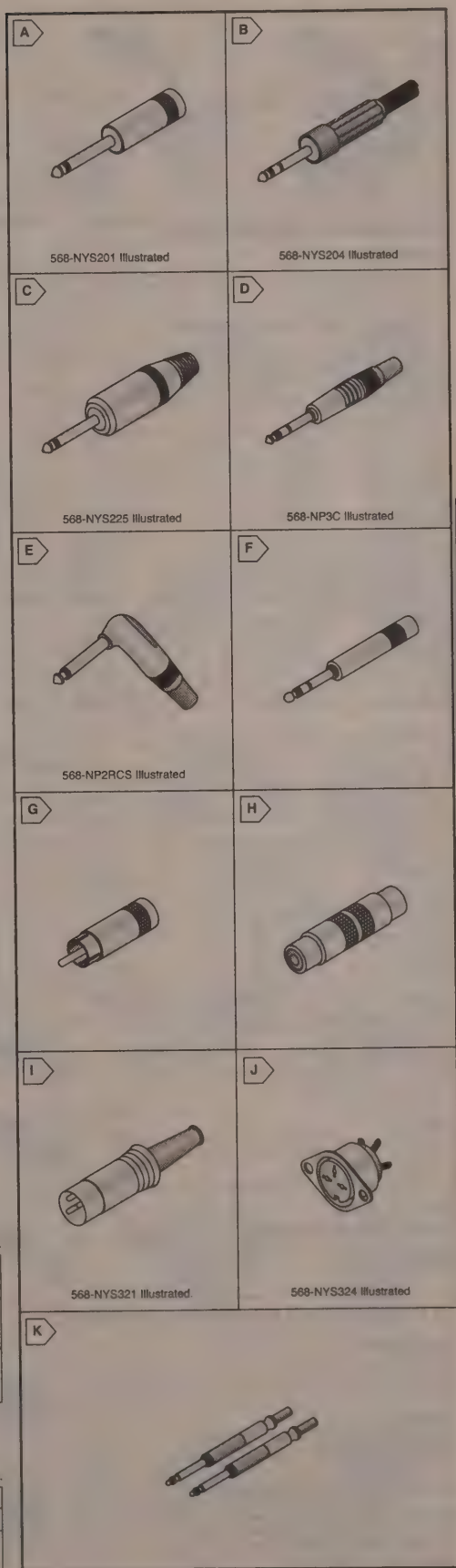
MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Contacts	Price Each		
					1	10	25
-NYS321	NYS321	I	3 pin plug, Nickel shell	Silver	1.06	.97	.94
-NYS322	NYS322	I	5 pin plug, Nickel shell	Silver	1.09	1.00	.97
-NYS323	NYS323	I	7 pin plug, Nickel shell	Silver	1.15	1.05	1.02
-NYS324	NYS324	J	3 pin jack, Nickel shell	Silver	.43	.39	.38
-NYS325	NYS325	J	5 pin jack, Nickel shell	Silver	.50	.46	.44
-NYS326	NYS326	J	7 pin jack, Nickel shell	Silver	.56	.51	.49

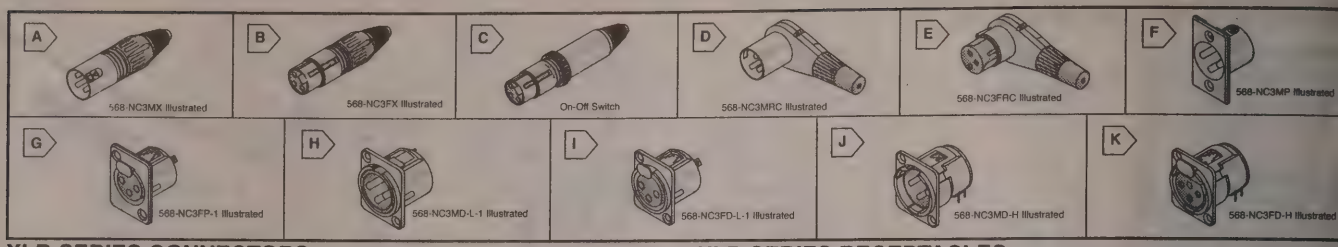
TCH CORD ASSEMBLIES

tranding 24AWG: 60 x 0.0028"
atch cords with NP3TT-1 plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Length (In.)	Color	Nominal O.D. (In.)	Price Each		
						1	10	25
-NKTT05-BLK	NKTT05-BLK	K	24	Black	.18	14.91	13.66	13.25
-NKTT05-R	NKTT05-R	K	24	Red	.18	14.91	13.66	13.25





XLR SERIES CONNECTORS

Specifications:

- Current rating per contact: 3C = 16A, 4C = 10A, 5C = 7.5A, 6C = 7.5A, 7C = 5A
- Maximum wire gauge: 3C = 14AWG, 4C = 16AWG, 5C, 6C, & 7C = 18AWG
- Contact resistance: ≤ 3mΩ

X Series Straight Cable Connectors

- Screwless assembly
- Compact design
- Die-cast shell
- Chuck type strain relief

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Gender	Contacts	Price Each 1	10	25
Satin Nickel Housing								
568-NC3MX	NC3MX	A	3	Male	Silver	2.19	2.01	1.94
568-NC4MX	NC4MX	A	4	Male	Silver	3.10	2.84	2.75
568-NC5MX	NC5MX	A	5	Male	Silver	3.93	3.60	3.49
568-NC6MX	NC6MX	A	6	Male	Silver	4.15	3.81	3.69
568-NC7MX	NC7MX	A	7	Male	Silver	5.21	4.78	4.63
568-NC3FX	NC3FX	B	3	Female	Silver	2.45	2.24	2.18
568-NC4FX	NC4FX	B	4	Female	Silver	4.17	3.82	3.71
568-NC5FX	NC5FX	B	5	Female	Silver	5.14	4.71	4.56
568-NC6FX	NC6FX	B	6	Female	Silver	6.25	5.73	5.55
568-NC7FX	NC7FX	B	7	Female	Silver	7.19	6.59	6.39
568-NC3FX-S	NC3FX-S	C	3	Female	Silver	8.08	7.41	7.19
Black Chrome Housing								
568-NC3MX-B	NC3MX-B	A	3	Male	Gold	3.39	3.11	3.02
568-NC4MX-B	NC4MX-B	A	4	Male	Gold	4.26	3.91	3.79
568-NC5MX-B	NC5MX-B	A	5	Male	Gold	4.86	4.45	4.32
568-NC3FX-B	NC3FX-B	B	3	Female	Gold	3.78	3.47	3.36
568-NC4FX-B	NC4FX-B	B	4	Female	Gold	5.58	5.12	4.96
568-NC5FX-B	NC5FX-B	B	5	Female	Gold	6.53	5.98	5.80

RC Series Right Angle Cable Connectors

- 7 x 45° indexing
- Chuck type cable clamp

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Gender	Contacts	Price Each 1	10	25
Satin Nickel Housing								
568-NC3MRC	NC3MRC	D	3	Male	Silver	6.67	6.12	5.93
568-NC4MRC	NC4MRC	D	4	Male	Silver	6.90	6.32	6.13
568-NC3FRC	NC3FRC	E	3	Female	Silver	6.99	6.41	6.21
568-NC4FRC	NC4FRC	E	4	Female	Silver	7.23	6.63	6.43
Black Chrome Housing								
568-NC3MRC-B	NC3MRC-B	D	3	Male	Gold	7.06	6.48	6.28
568-NC4MRC-B	NC4MRC-B	D	4	Male	Gold	7.92	7.26	7.04
568-NC3FRC-B	NC3FRC-B	E	3	Female	Gold	7.84	7.19	6.97
568-NC4FRC-B	NC4FRC-B	E	4	Female	Gold	9.38	8.60	8.34

XLR SERIES RECEPTACLES

Specifications:

- Current rating per contact: 3C = 16A, 4C = 10A, 5C = 7.5A, 6C = 7.5A
- Maximum wire gauge: 3C = 14AWG, 4C = 16AWG, 5C & 6C = 18AWG
- Contact resistance: ≤ 3m
- Rated voltage: 250VAC

P Series Flanged Panel Receptacles

- Smallest available

For quantities of 100 and up, call for quot

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Gender	Contacts	Price Each 1	10	25
Satin Nickel Housing								
568-NC3MP	NC3MP	F	3	Male	Silver	2.61	2.40	2.32
568-NC4MP	NC4MP	F	4	Male	Silver	3.19	2.92	2.83
568-NC5MP	NC5MP	F	5	Male	Silver	5.41	4.96	4.81
568-NC6MP	NC6MP	F	6	Male	Silver	6.67	6.12	5.93
568-NC3FP-1	NC3FP-1	G	3	Female	Silver	2.63	2.41	2.34
568-NC4FP-1	NC4FP-1	G	4	Female	Silver	5.10	4.67	4.53
568-NC5FP-1	NC5FP-1	G	5	Female	Silver	6.99	6.41	6.21
568-NC6FP-1	NC6FP-1	G	6	Female	Silver	9.25	8.48	8.22
Black Chrome Housing								
568-NC3MP-B	NC3MP-B	F	3	Male	Gold	3.34	3.06	2.97
568-NC4MP-B	NC4MP-B	F	4	Male	Gold	4.21	3.86	3.74
568-NC5MP-B	NC5MP-B	F	5	Male	Gold	6.16	5.64	5.47
568-NC3FP-1-B	NC3FP-1-B	G	3	Female	Gold	3.41	3.13	3.03
568-NC4FP-1-B	NC4FP-1-B	G	4	Female	Gold	5.93	5.44	5.27
568-NC5FP-1-B	NC5FP-1-B	G	5	Female	Gold	8.71	7.99	7.75

DL-1 Series Flanged Panel Receptacles

- Unified metal shell for male and female
- Solder cups
- RF-protected
- No. of contacts: 3

For quantities of 100 and up, call for quot

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Gender	Contacts	Price Each 1	10	25
Satin Nickel Housing								
568-NC3MD-L-1	NC3MD-L-1	H	3	Male	Silver	2.39	2.19	2.13
568-NC3FD-L-1	NC3FD-L-1	I	3	Female	Silver	2.50	2.29	2.22
Black Chrome Housing								
568-NC3MD-L-1-B	NC3MD-L-1-B	H	3	Male	Gold	3.13	2.87	2.79
568-NC3FD-L-1-B	NC3FD-L-1-B	I	3	Female	Gold	3.21	2.94	2.85
568-NC5FD-L-1-B	NC5FD-L-1-B	I	5	Female	Gold	8.38	7.68	7.45
568-103F	Single NC3FD-L-1 female wall plate receptacle					7.06	6.48	6.28

D Series Rectangular Flanged Panel Receptacles

- Insert and shell design
- No. of contacts: 3
- RF-protected
- Satin Ni housing
- PCB

For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Mount	Gender	Contacts	Price Each 1	10	25
568-NC3MD-V	NC3MD-V	J	Vert.	Male	Silver	3.11	2.86	2.77
568-NC3MD-H	NC3MD-H	J	Horiz.	Male	Silver	3.06	2.80	2.72
568-NC3FD-V	NC3FD-V	K	Vert.	Female	Silver	3.17	2.91	2.82
568-NC3FD-H	NC3FD-H	K	Horiz.	Female	Silver	3.19	2.92	2.83

EASYCON® XLR SERIES STRAIGHT CABLE CONNECTORS

Specifications:

- Current rating per contact: 6A
- Contact: Female: CuSn6/Male: CuZn36Pb1.5
- Maximum wire gauge: 22-26 AWG
- Cable OD range: 5.5 - 7.0 mm
- Contact Plating: Au

Features:

- Available in solder or IDC termination
- 3 piece construction reduces assembly time
- No set screw assembly
- Self adjusting cam lock cable clamp

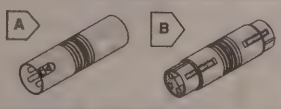
568-NC3FEZY-B Illustrated

568-NC3MEZY-B Illustrated

For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Gender	Housing	Termination	Price Each 1	10	25
568-NC3FEZY-B	NC3FEZY-B	A	3	Female	Black chrome	IDC	2.76	2.53	2.46
568-NC3FEZY-AU	NC3FEZY-AU	A	3	Female	Satin Nickel	IDC	2.65	2.43	2.36
568-NC3FEZ-B	NC3FEZ-B	A	3	Female	Black chrome	Solder	2.82	2.58	2.50
568-NC3FEZ-AU	NC3FEZ-AU	A	3	Female	Satin Nickel	Solder	2.74	2.52	2.44
568-NC3MEZY-B	NC3MEZY-B	B	3	Male	Black chrome	IDC	2.15	1.97	1.91
568-NC3MEZY-AU	NC3MEZY-AU	B	3	Male	Satin Nickel	IDC	2.60	2.38	2.31
568-NC3MEZ-B	NC3MEZ-B	B	3	Male	Black chrome	Solder	2.15	1.97	1.91
568-NC3MEZ-AU	NC3MEZ-AU	B	3	Male	Satin Nickel	Solder	2.10	1.92	1.86

ADAPTERS FOR PROFESSIONAL AUDIO



For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Price Each 1	10	25
568-NA3MM/W	NA3MM/W	A	XLR male to XLR male, pre-wired	8.14	7.46	7.23
568-NA3FF/W	NA3FF/W	B	XLR female to XLR female, pre-wired	8.64	7.92	7.68

XLR RECEPTACLES A-SERIES/B-SERIES

Specifications:

- Current rating per contact: 6A
- Rated voltage: 250VAC
- Contact resistance: female < 5mΩ, male: < 3mΩ

Features:

- Same dimensions for male and female
- Hard gold plated contacts

"A" Series: One piece high impact plastic shell. Internal shell and chassis contact.
"B" Series: Metal shell with plastic insert. Shell of F-version connected to mating shell with grounding contacts.

568-NC3FAV-O Illustrated

568-NC3MBV Illustrated

For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Gender	Series	Mount	Price Each 1	10	25
568-NC3FAH-O	NC3FAH-O	A	3	Female	"A" *	Horiz.	.87	.80	.77
568-NC3FAH-2	NC3FAH-2	A	3	Female	"A" **	Horiz.	1.26	1.16	1.12
568-NC3FAV-O	NC3FAV-O	A	3	Female	"A" *	Vert.	.87	.80	.77
568-NC3FBH-1	NC3FBH-1	A	3	Female	"B" **	Horiz.	2.17	1.99	1.93
568-NC3FBV-1	NC3FBV-1	A	3	Female	"B" **	Vert.	2.17	1.99	1.93
568-NC3MAH	NC3MAH	B	3	Male	"A"	Horiz.	.98	.90	.87
568-NC5MAH	NC5MAH	B	5	Male	"A"	Horiz.	3.50	3.21	3.11
568-NC3MAV	NC3MAV	B	3	Male	"A"	Vert.	.95	.87	.84
568-NC3MAH-0	NC3MAH-0	B	3	Male	"A" *	Horiz.	.98	.90	.87
568-NC3MAV-0	NC3MAV-0	B	3	Male	"A" *	Vert.	.95	.87	.84
568-NC3MBH	NC3MBH	B	3	Male	"B"	Horiz.	2.00	1.84	1.78
568-NC4MBH	NC4MBH	B	5	Male	"B"	Horiz.	2.98	2.74	2.65
568-NC3MBV	NC3MBV	B	3	Male	"B"	Vert.	2.00	1.84	1.78

* No chassis ground ** Pin 1 directly connected to chassis and shell ground

MOUSER ELECTRONICS a tti company (800) 346-6873

EAKON® LOUDSPEAKER AMPLIFIER CONNECTORS

ifications:
rent rating per contact: 25A rms continuous
ed voltage: 250VAC
el cutouts the same as existing audio connector types

- Cable O.D. Range (for plug connectors only): 2-Pole = 6-10mm, 4-Pole = 6-15mm, 8-Pole = 8-20mm

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Type	Gender	Mount	Price Each		
						1	10	25
-NL2MP	NL2MP	A	2-pole	Male	Chassis, Faston Tabs	2.23	2.03	1.91
-NL4MP	NL4MP	A	4-pole	Male	Chassis, Faston Tabs	3.41	2.79	2.50
-NL4MP-ST	NL4MP-ST	A	4-pole	Male	Chassis, Screw Terminals	2.88	2.64	2.56
-NL4MP-UC	NL4MP-UC	A	4-pole	Male	Chassis, High pwr (40A rms)	3.67	3.20	3.04
-NL4MPR	NL4MPR	B	4-pole	Male	Chassis, Faston Tabs	4.43	3.59	3.30
-NL2FC	NL2FC	C	2-pole	Female	Cable, Screw Terminals	3.19	2.90	2.76
-NL4FC	NL4FC	C	4-pole	Female	Cable, Screw Terminals	6.62	5.71	5.50
-NL4MM	NL4MM	D	4-pole	Male	Coupler for Linking Cables	8.66	6.90	6.68
-NL8MPR	NL8MPR	B	8-pole	Male	Chassis, Faston Tabs, Ni Face	7.28	6.48	5.90
-NL8MPR-BAG	NL8MPR-BAG	B	8-pole	Male	Chassis, Faston Tabs, blk Face	7.28	6.48	5.90
-NL8FC	NL8FC	C	8-pole	Female	Cable, Screw Terminals	11.79	10.72	10.18

EAKON® SPX SERIES

ures a higher current rating for the operation of high power speakers and amplifiers carrying more than 1000 Watts. Change easily and quickly from a straight ector to the right-angle version, without disconnecting the cable.

cifications:
ted Current / Contact: 40A rms continuous,
A audiosignal, duty cycle 50%
lectric Strength: 4kV peak
ted Voltage: 250VAC
mperature Range: -30°C to +80°C
ax. Wire Size: 10AWG/5mm²
able O.D. Range: 6-14mm

Materials:
- Contacts: Brass
- Locking Element: Zinc Diecast
- Housing / Insert: PBTP 20% GR
- Bushing: Polyamide PA 6 15% GR
- Chuck: Polyacetal POM

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Type	Gender	Description	Price Each		
						1	10	25
-NL4FX-GN	NL4FX-5	E	4-pole	Female	Green Rear Boot	4.73	4.30	4.09
-NL4FX-WT	NL4FX-9	E	4-pole	Female	White Rear Boot	4.73	4.30	4.09
-NL4FX-R	NL4FX-2	E	4-pole	Female	Red Rear Boot	4.73	4.30	4.09
-NL4FX-Y	NL4FX-4	E	4-pole	Female	Yellow Rear Boot	4.73	4.30	4.09
-NL4FRX	NL4FRX	F	4-pole	Female	Right Angle Connector w/ Black Rear Boot	7.78	6.71	6.48

cessories

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Price Each		
				1	10	25
-LCR-GN	LCR-GN	G	Green Ring for NL4FRX	.43	.39	.38
-LCR-R	LCR-R	G	Red Ring for NL4FRX	.43	.39	.38
-LCR-Y	LCR-Y	G	Yellow Ring for NL4FRX	.43	.39	.38
-LCR-WT	LCR-WT	G	White Ring for NL4FRX	.43	.39	.38
-LRX	LRX	H	Conversion kit makes NL4FX to NL4FRX	1.35	1.24	1.20

PEAKON® STX SERIES

netal housing makes for rugged and durable connectors. Weatherproof built-in gasket meets IP54 protection class when mated. Mates with all currently available ile Speakon Products.

cifications:
ted Current per Contact: 40A rms continuous
ted Insulation Voltage: 250VAC
mperature Range: -30°C to +80°C
ax. Wire Size: 10AWG/6mm²
able O.D. Range: 9-16mm

Materials:
- Contacts: Female-Brass: Male-Copper
- Housing/Busing/Locking Element: Zinc Diecast
- Insert: Polyamide
- Chuck: Polyacetal

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Type	Gender	Description	Price Each		
						1	10	25
8-NLT4FX	NLT4FX	I	4-pole	Female	Cable Mount, Nickel Housing w/Solder Cups	10.30	9.36	8.89
8-NLT4FX-BAG	NLT4FX-BAG	I	4-pole	Female	Cable Mount, Black Housing w/Solder Cups	10.78	9.80	9.31
8-NLT4MX	NLT4MX	J	4-pole	Male	Cable Mount, Nickel Housing w/Solder Cups	8.21	7.52	7.30
8-NLT4MX-BAG	NLT4MX-BAG	J	4-pole	Male	Cable Mount, Black Housing w/Solder Cups	10.54	9.58	9.10
8-NLT4FP	NLT4FP	K	4-pole	Female	Chassis Connector, Nickel Housing w/Solder Cups	9.20	8.36	7.94
8-NLT4FP-BAG	NLT4FP-BAG	K	4-pole	Female	Chassis Connector, Black Housing w/Solder Cups	9.66	8.78	8.34
8-NLT4MP	NLT4MP	L	4-pole	Male	Chassis Connector, Nickel Housing w/0.25" Faston Tabs	7.11	6.46	6.14
8-NLT4MP-BAG	NLT4MP-BAG	L	4-pole	Male	Chassis Connector, Black Housing w/0.25" Faston Tabs	7.41	6.74	6.40

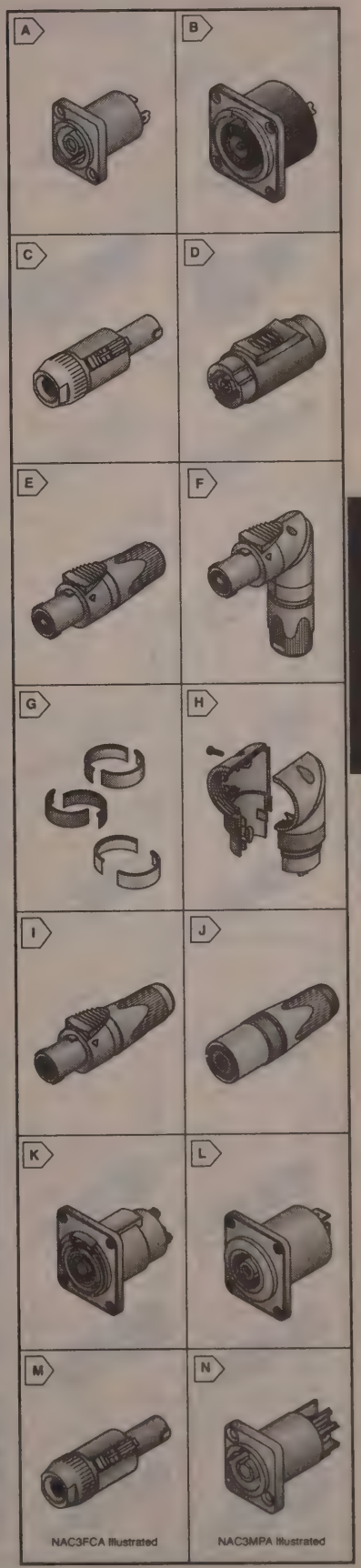
OWERCON® LOCKING 3-POLE CONNECTION SYSTEM

ecifications:
ated current: 20A rms @ wire size 2.5mm²
ated voltage: 250VAC
ontact resistance: ≤3mΩ after 5000 insertion withdrawal operations
able OD range: 5-15mm
iring: cable-screw type terminals: chassis-flat tabs

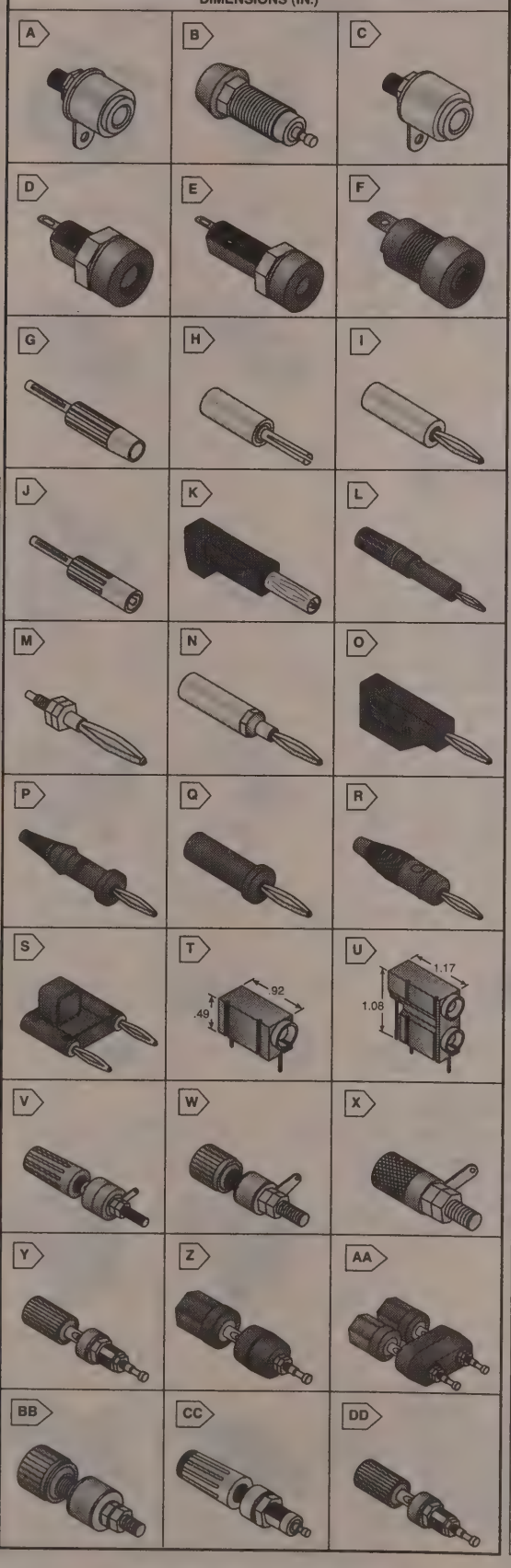
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Mount	Gender	Type	Price Each		
						1	10	25
568-NAC3FCA	NAC3FCA	M	Cable	Female	Power in	5.54	5.08	4.93
568-NAC3FCB	NAC3FCB	M	Cable	Female	Power out	5.54	5.08	4.93
568-NAC3MPA	NAC3MPA	N	Chassis	Male	Power in	2.78	2.55	2.47
568-NAC3MPB	NAC3MPB	N	Chassis	Male	Power out	2.78	2.55	2.47
568-NAC3MM	NAC3MM	--	Coupler	---	---	13.65	12.51	12.13

The chassis connectors are panel compatible with Neutrik D-Series and SPEAKON NL4MP
For coupling NAC3FCA to NAC3FCB



DIMENSIONS (IN.)



KOBICONN BANANA JACKS

MOUSER STOCK NO.	Fig.	Description	Dim. In.		Price Each				
			H	dia.	1	10	100	500	10
16BJ381	A	Chassis mount, red	.67	.44	.74	.57	.52	.47	
16BJ382	A	Chassis mount, black	.67	.44	.74	.57	.52	.47	
16BJ383	A	Chassis mount, green	.67	.44	.74	.57	.52	.47	
164-6216	B	Banana jack, black	1.15	.46	.81	.67	.61	.55	
164-6217	B	Banana jack, red	1.15	.46	.81	.67	.61	.55	
164-R104B	C	With nut & solder tab, black	.67	.47	.75	.62	.57	.52	C
164-R104R	C	With nut & solder tab, red	.67	.47	.75	.62	.57	.52	fo
164-R116B	D	With fibre washer, black	.95	.43	.75	.62	.57	.52	Qu
164-R116R	D	With fibre washer, red	.95	.43	.75	.62	.57	.52	
164-R122B	E	With fibre washer, black	1.22	.43	.75	.62	.57	.52	
164-R122R	E	With fibre washer, red	1.22	.43	.75	.62	.57	.52	
164-R124B	F	Safety type, black	1.21	.56	1.62	1.28	.99	.90	
164-R124R	F	Safety type, red	1.21	.56	1.62	1.28	.99	.90	

KOBICONN BANANA PLUGS

These banana plugs fit all standard banana jacks and are interchangeable with all standard banana plugs. Thes plugs are available in a variety of styles and sizes to meet all kinds of industrial, OEM, and consumer applicatio

MOUSER STOCK NO.	Fig.	Description	Dim. In.		Price Each				
			H	dia.	1	10	100	500	10
17HR549	G	Red, mates with 164-6217	1.72	.31	.92	.71	.65	.59	
17HR550	G	Black, mates with 164-6216	1.72	.31	.92	.71	.65	.59	
174-444R	H	Insulated slotted plug, red	1.80	.38	1.14	.88	.80	.72	
174-444B	H	Insulated slotted plug, black	1.80	.38	1.14	.88	.80	.72	
171-5462	I	Insulated, soft spring plug, red	1.92	.40	.76	.58	.53	.48	
171-5461	I	Insulated, soft spring plug, black	1.92	.40	.76	.58	.53	.48	
174-5791	J	Black, 7.1mm cable max	1.92	.39	1.71	1.43	1.30	1.18	
174-5795	J	Red, 7.1mm cable max	1.92	.39	1.71	1.43	1.30	1.18	
174-8103B	K	With safety sleeve, black	2.20	.61	2.43	2.03	1.84	1.68	
174-8103R	K	With safety sleeve, red	2.20	.61	2.43	2.03	1.84	1.68	
174-R130B	L	Audio power point, black	2.47	.46	2.43	2.03	1.84	1.68	
174-R130R	L	Audio power point, red	2.47	.46	2.43	2.03	1.84	1.68	C
174-R802	M	Metal 30A	1.29		.75	.62	.57	.52	fo
174-R818B	N	Black 10A	1.87	.37	.97	.81	.73	.67	Qu
174-R818R	N	Red 10A	1.87	.37	.97	.81	.73	.67	
174-R819B	O	Stackable 10A, black	1.88	.52	1.04	.86	.78	.71	
174-R819R	O	Stackable 10A, red	1.88	.52	1.04	.86	.78	.71	
174-R820B	P	With strain relief 10A, black	2.36	.43	1.06	.89	.82	.74	
174-R820R	P	With strain relief 10A, red	2.36	.43	1.06	.89	.82	.74	
174-R822B	Q	Solder cup 10A, black	1.63	.47	.92	.71	.64	.58	
174-R822R	Q	Solder cup 10A, red	1.63	.47	.92	.71	.64	.58	
174-R825B	R	In-line plug with cross hole black	2.32	.35	.97	.81	.73	.67	
174-R825R	R	In-line plug with cross hole red	2.32	.35	.97	.81	.73	.67	
174-R884	S	Dual plug with wire guide, black	1.55	1.26	2.19	2.09	1.98	1.80	

KOBICONN PCB INSULATED BANANA PLUG SOCKETS

These new sockets mount directly onto printed circuit boards and accept standard banana plugs. They incorpor alignment grooves in the outer housing which allows close mounting. A double height socket permits two test or feed points to be mounted to a PCB. Both single and double sockets are constructed of durable acetal plastic a are rated at 10 amps. Available in red or black.

MOUSER STOCK NO.	Fig.	Description	Price Each				
			1	10	100	500	10
164-6218	T	Single printed circuit board socket, black	1.71	1.43	1.30	1.18	Ca
164-6219	T	Single printed circuit board socket, red	1.71	1.43	1.30	1.18	fo
† 164-6220	U	Double printed circuit board socket, black	1.98	1.65	1.54	1.36	Qu
† 164-6221	U	Double printed circuit board socket, red	1.98	1.65	1.54	1.36	

† For use with single banana plugs only. Dual banana plugs will not fit.

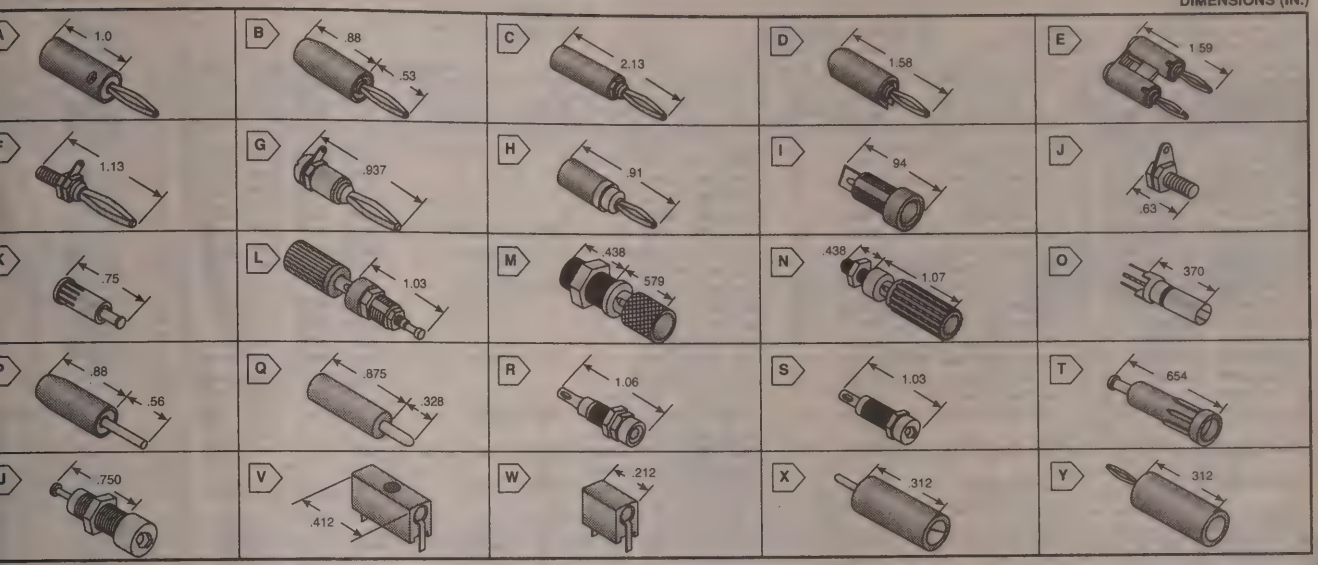
KOBICONN INSULATED BINDING POSTS

MOUSER STOCK NO.	Fig.	Description	Dim. In.		Price Each				
			H	dia.	1	10	100	500	10
164-4201	V	Insulated binding post, black	1.84	.50	1.63	1.36	1.24	1.13	
164-4205	V	Insulated binding post, red	1.84	.50	1.63	1.36	1.24	1.13	
164-4202	V	Insulated binding post, blue	1.84	.50	1.63	1.36	1.24	1.13	
164-4204	V	Insulated binding post, green	1.84	.50	1.63	1.36	1.24	1.13	
164-4206	V	Insulated binding post, white	1.84	.50	1.63	1.36	1.24	1.13	
164-4207	V	Insulated binding post, yellow	1.84	.50	1.63	1.36	1.24	1.13	
164-R101B	W	With solder tab, black	1.50	.48	1.06	.89	.82	.74	
164-R101R	W	With solder tab, red	1.50	.48	1.06	.89	.82	.74	
164-R105	X	Un-insulated metal w/solder tab	1.00	.39	1.12	.89	.85	.77	Ca
164-R109B	Y	Insulated w/ 1 nut & washer black	1.97	.45	1.12	.89	.85	.77	fo
164-R109R	Y	Insulated w/ 1 nut & washer red	1.97	.45	1.12	.89	.85	.77	Qu
164-R119B	Z	With 2 nuts & washer, black	1.84	.56	1.52	1.27	1.15	1.05	
164-R119R	Z	With 2 nuts & washer, red	1.84	.56	1.52	1.27	1.15	1.05	
164-19B2	AA	Dual w/base black; red & black	1.85	1.36	3.68	3.07	2.79	2.54	
164-R126B	BB	Heavy duty 30A, black	1.65	.63	2.41	1.99	1.83	1.66	
164-R126R	BB	Heavy duty 30A, red	1.65	.63	2.41	1.99	1.83	1.66	
164-R134B	CC	Gray with black color ring	1.90	.47	1.17	.98	.89	.81	
164-R134R	CC	Gray with red color ring	1.90	.47	1.17	.98	.89	.81	
164-11102	DD	Insulated w/1 nut & washer, red	1.97	.45	1.56	1.30	1.18	1.07	
164-11103	DD	Insulated w/1 nut & washer, black	1.97	.45	1.56	1.30	1.18	1.07	

Banana, Binding Posts, & Tip Plugs / Jacks

JOHNSON Components EMERSON Network Power

DIMENSIONS (IN.)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Johnson Part No.	Fig.	Color	Price Each 1	10	25	100	250	500
anana Plugs-Insulated Side Set Screw Solderless - 15A - Max Wire: 16AWG									
0-108-1702-101	108-1702-101	A	Red	1.46	1.21	1.10	.93	.88	.83
0-108-1703-101	108-1703-101	A	Black	1.46	1.21	1.10	.93	.88	.83
anana Plugs-Insulated Solderless Tapered Handle-15A-Max Wire: 16AWG									
0-108-0302-1	108-0302-001	B	Red	.93	.82	.75	.64	.56	.53
0-108-0303-1	108-0303-001	B	Black	.93	.82	.75	.64	.56	.53
0-108-0301-1	108-0301-001	B	White	.93	.82	.75	.64	.56	.53
0-108-0304-1	108-0304-001	B	Green	.93	.82	.75	.64	.56	.53
0-108-0306-1	108-0306-001	B	Orange	.93	.82	.75	.64	.56	.53
0-108-0307-1	108-0307-001	B	Yellow	.93	.82	.75	.64	.56	.53
0-108-0308-1	108-0308-001	B	Brown	.93	.82	.75	.64	.56	.53
0-108-0310-1	108-0310-001	B	Blue	.93	.82	.75	.64	.56	.53
0-108-0312-1	108-0312-001	B	Violet	.93	.82	.75	.64	.56	.53
anana Plugs-Insulated Hex Body Solder Long Handle-15A-Max Wire: 16 AWG									
0-108-0752-2	108-0752-002	C	Red	1.52	1.22	1.17	1.02	.90	.81
0-108-0752-1	108-0752-001	C	Back	1.52	1.22	1.17	1.02	.90	.81
anana Plugs-Insulated Stacking Single-15A-Max Wire: 16 AWG									
0-108-1082-1	108-1082-001	D	Red	1.55	1.36	1.23	1.08	.92	.87
0-108-1083-1	108-1083-001	D	Black	1.55	1.36	1.23	1.08	.92	.87
0-108-1081-1	108-1081-001	D	White	1.55	1.36	1.23	1.08	.92	.87
ual Banana Plugs-Insulated Stacking Set Screw-15A-Max Wire: 14 AWG									
0-108-0252-1	108-0252-001	E	Red	4.84	4.12	3.63	3.30	3.07	2.89
0-108-0253-1	108-0253-001	E	Black	4.84	4.12	3.63	3.30	3.07	2.89
anana Plug-Uninsulated Panel .375" Threaded Stud-15A-Max Wire: 14 AWG									
0-108-0750-1	108-0750-001	F	Nickel	1.16	1.02	.91	.82	.70	.66
anana Plug-Uninsulated Panel Screw Type-15A-Max Wire: 14 AWG									
0-108-0753-1	108-0753-001	G	Silver	.98	.92	.80	.73	.62	.57
liniature Banana Plugs-Insulated Solder Type-10A -Max Wire: 18AWG									
0-108-1002-1	108-1002-001	H	Red	1.30	1.16	1.01	.92	.83	.78
0-108-1003-1	108-1003-001	H	Black	1.30	1.16	1.01	.92	.83	.78
anana Jacks-Insulated Solder Terminal-15A-Max Wire: 16 AWG									
0-108-0902-1	108-0902-001	I	Red	.45	.37	.34	.30	.27	.25
0-108-0903-1	108-0903-001	I	Black	.45	.37	.34	.30	.27	.25
0-108-0901-1	108-0901-001	I	White	.45	.37	.34	.30	.27	.25
0-108-0904-1	108-0904-001	I	Green	.48	.42	.36	.32	.29	.28
0-108-0906-1	108-0906-001	I	Orange	.45	.37	.34	.30	.27	.25
0-108-0907-1	108-0907-001	I	Yellow	.45	.37	.34	.30	.27	.25
0-108-0908-1	108-0908-001	I	Brown	.48	.42	.36	.32	.29	.28
0-108-0910-1	108-0910-001	I	Blue	.45	.37	.34	.30	.27	.25
0-108-0912-1	108-0912-001	I	Violet	.48	.42	.36	.32	.29	.28
anana Jack-Uninsulated Solder Terminal-15A-Max Wire: 12 AWG									
0-108-0740-1	108-0740-001	J	Nickel	1.18	.96	.89	.80	.68	.64
liniature Banana Jacks-Insulated Rib-Loc® Turret Terminal-10A									
0-108-1102-1	108-1102-001	K	Red	.65	.53	.47	.41	.36	.33
0-108-1103-1	108-1103-001	K	Black	.65	.53	.47	.41	.36	.33
inding Posts-Insulated Standard-15A-Panel Thickness: Up to .281"									
0-111-0102-1	111-0102-001	L	Red	1.74	1.57	1.39	1.16	.97	.95
0-111-0103-1	111-0103-001	L	Black	1.74	1.57	1.39	1.16	.97	.95
0-111-0101-1	111-0101-001	L	White	1.74	1.57	1.39	1.16	.97	.95
0-111-0104-1	111-0104-001	L	Green	1.68	1.48	1.28	1.15	1.09	1.04
0-111-0107-1	111-0107-001	L	Yellow	1.74	1.57	1.39	1.26	1.04	.98
inding Post-Uninsulated Grounded Type-15A-Panel Thickness: Up to .281"									
0-111-2223-001	111-2223-001	M	Nickel	1.98	1.87	1.68	1.45	1.26	1.15
inding Post-Insulated Grounded Type-15A-Panel Thickness: Up to .313"									
0-111-0702-001	111-0702-001	N	Red	1.71	1.55	1.36	1.23	1.14	1.08
0-111-0703-001	111-0703-001	N	Black	1.71	1.55	1.36	1.23	1.14	1.08
est Jacks-Shielded Vertical-29 Ohms-0 to 2 GHz-Durability: 250 cycles									
0-129-0701-1	129-0701-201	O	Tin	3.58	3.17	2.87	2.45	2.08	1.90

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Johnson Part No.	Fig.	Color	Price Each 1	10	25	100	250	500
Tip Plugs-Insulated Solderless Type-10A-Max Wire: 16AWG									
530-105-0302-1	105-0302-001	P	Red	.68	.60	.55	.46	.40	.39
530-105-0303-1	105-0303-001	P	Black	.68	.60	.55	.46	.40	.39
530-105-0301-1	105-0301-001	P	White	.68	.60	.55	.46	.40	.39
530-105-0304-1	105-0304-001	P	Green	.68	.60	.55	.46	.40	.39
530-105-0310-1	105-0310-001	P	Blue	.68	.60	.55	.46	.40	.39
Tip Plugs-Insulated Small Handle Type-10A-Max Wire: 16AWG-.188" Dia.									
530-105-0772-1	105-0772-001	Q	Red	.75	.66	.60	.51	.45	.44
530-105-0773-1	105-0773-001	Q	Black	.75	.66	.60	.51	.45	.44
Tip Jacks-Insulated Metal Clad Standard-10A-Panel Thickness: Up to .281"									
530-105-0252-1	105-0252-001	R	Red	.91	.77	.68	.62	.56	.51
530-105-0253-1	105-0253-001	R	Black	.91	.77	.68	.62	.56	.51
Tip Jacks-Insulated Standard-10A-Panel Thickness: Up to .437"									
530-105-0802-1	105-0802-001	S	Red	.60	.52	.45	.40	.34	.32
530-105-0803-1	105-0803-001	S	Black	.60	.52	.45	.40	.34	.32
530-105-0801-1	105-0801-001	S	White	.60	.52	.45	.40	.34	.32
530-105-0804-1	105-0804-001	S	Green	.60	.52	.45	.40	.34	.32
530-105-0807-1	105-0807-001	S	Yellow	.60	.52	.45	.40	.34	.32
530-105-0810-1	105-0810-001	S	Blue	.60	.52	.45	.40	.34	.32
Tip Jacks-Insulated Standard: Rib-Loc®-5A-Panel Thickness: Up to .375"									
530-105-1042-1	105-1042-001	T	Red	.95	.84	.77	.67	.55	.53
530-105-1043-1	105-1043-001	T	Black	.95	.84	.77	.67	.55	.53
530-105-1041-1	105-1041-001	T	White	.95	.84	.77	.67	.55	.53
530-105-1044-1	105-1044-001	T	Green	.95	.84	.77	.67	.55	.53
530-105-1047-1	105-1047-001	T	Yellow	.95	.84	.77	.67	.55	.53
530-105-1050-1	105-1050-001	T	Blue	.95	.84	.77	.67	.55	.53
Tip Jacks-Insulated Deluxe-10A-Panel Thickness: Up to .437"									
530-105-0602-1	105-0602-001	U	Red	.98	.87	.79	.69	.58	.56
530-105-0603-1	105-0603-001	U	Black	.98	.87	.79	.69	.58	.56
530-105-0601-1	105-0601-001	U	White	.98	.87	.79	.69	.58	.56
530-105-0604-1	105-0604-001	U	Green	.98	.87	.79	.69	.58	.56
530-105-0607-1	105-0607-001	U	Yellow	.98	.87	.79	.69	.58	.56
530-105-0610-1	105-0610-001	U	Blue	.98	.87	.79	.69	.58	.56
Test Jacks-Horizontal Insulated Standard-5A-Pin Spacing: .400"									
530-105-0751-1	105-0751-001	V	White	.36	.31	.26	.23	.20	.19
530-105-0752-1	105-0752-001	V	Red	.36	.31	.26	.23	.20	.19
530-105-0753-1	105-0753-001	V	Black	.36	.31	.26	.23	.20	.19
530-105-0754-1	105-0754-001	V	Green	.36	.31	.26	.23	.20	.19
530-105-0757-1	105-0757-001	V	Yellow	.36	.31	.26	.23	.20	.19
530-105-0756-1	105-0756-001	V	Orange	.36	.31	.26	.23	.20	.19
530-105-0758-1	105-0758-001	V	Brown	.36	.31	.26	.23	.20	.19
530-105-0760-1	105-0760-001	V	Blue	.36	.31	.26	.23	.20	.19
530-105-0762-1	105-0762-001	V	Violet	.36	.31	.26	.23	.20	.19
Test Jacks-Horizontal Insulated Miniature-5A-Pin Spacing: .200"									
530-105-1101-1	105-1101-001	W	White	.36	.31	.26	.23	.20	.19
530-105-1102-1	105-1102-001	W	Red	.36	.31	.26	.23	.20	.19
530-105-1103-1	105-1103-001	W	Black	.36	.31	.26	.23	.20	.19
530-105-1104-1	105-1104-001	W	Green	.36	.31	.26	.23	.20	.19
530-105-1107-1	105-1107-001	W	Yellow	.36	.31	.26	.23	.20	.19
530-105-1110-1	105-1110-001	W	Blue	.36	.31	.26	.23	.20	.19
Test Jacks-Vertical Insulated: Machined Contact-5A									
530-105-0851-1	105-0851-001	X	White	.53	.47	.43	.37	.30	.29
530-105-0852-1	105-0852-001	X	Red	.53	.47	.43	.37	.30	.29
530-105-0853-1	105-0853-001	X	Black	.53	.47	.43	.37	.30	.29
Test Jacks-Vertical Insulated: Formed Contact-5A									
530-105-2201-1	105-2201-201	Y	White	.48	.43	.41	.34	.28	.26
530-105-2202-1	105-2202-201	Y	Red	.48	.43	.41	.34	.28	.26
530-105-2203-1	105-2203-201	Y	Black	.48	.43	.41	.34	.28	.26

AMP BNC Connectors

BNC PLUGS

- Bayonet lock coupling for quick connect/disconnect
- Fully intermateable with comparable BNC UG/U connectors
- Single crimp connectors offer one crimping operation
- UL approved: File No. E81956
- CSA approved: File No. LR 7189

Specifications:
- Center contact plating: Gold

Dielectric: is either polyethylene (PE), polymethylpentene (PM), polypropylene (PP), or TEFLON (T).

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Body Plating	Dielectric	Cable Type RG/U	Price Each 1	10	25	100
50 Ohm ✻ Silver Center Contact Plating										
571-330876	330876	A	Mil, Single Crimp	Silver	T	178, 178A, 178B, 196, 196A	12.38	11.15	9.91	8.68
571-2-221128-1	2-221128-1	B	Commercial, Hex Crimp	Nickel	PE	174, 188, 188A, 316	1.80	1.62	1.53	1.44
571-12270796	1-227079-6	C	Commercial, Dual Crimp	Nickel	PE	174, 188, 188A, 316	1.50	1.35	1.27	1.20
571-225395-7	225395-7	D	Mil, Dual Crimp	Nickel	T	174, 188, 188A, 316	2.60	2.32	2.19	2.06
571-22211283	2-221128-3	B	Commercial, Hex Crimp	Nickel	PE	179, 179A, 179B, 161, 187, 187A, Belden 9221	1.80	1.61	1.52	1.43
571-23294461	2-329446-1	E	Mil, Single Crimp	Silver	T	179, 179A, 179B, 161, 187, 187A, Belden 9221	12.32	11.10	9.86	8.63
571-62270797	6-227079-7	C	Commercial, Dual Crimp	Nickel	PE	Belden 8219	1.30	1.17	1.04	.91
571-62270798	6-227079-8	C	Commercial, Dual Crimp	Nickel	PE	Belden 9907, 89907 Comm/Scope 2104	1.30	1.17	1.04	1.02
571-227079-5	227079-5	C	Commercial, Dual Crimp	Nickel	PE	58, 58A, 58B, 58C	1.49	1.35	1.27	1.20
571-2270799 ✻	227079-9	C	Commercial, Dual Crimp	Nickel	PE	58, 58A, 58B, 58C	1.34	1.20	1.14	1.07
571-2253951	225395-1	D	Mil, Dual Crimp	Nickel	T	58, 58A, 58B, 58C	2.57	2.32	2.19	2.06
571-2270796	227079-6	C	Commercial, Dual Crimp	Nickel	PE	223, 55, 55A, 55B	1.35	1.21	1.14	1.08
571-2253953	225395-3	D	Mil, Dual Crimp	Nickel	T	223, 55, 55A, 55B	2.57	2.32	2.19	2.06
571-2253956	225395-6	D	Mil, Dual Crimp	Nickel	T	142, 142A, 142B, 400	2.57	2.32	2.20	2.06
571-12211281	1-221128-1	B	Commercial, Hex Crimp	Nickel	PE	124, 140, 210, 62, 62A, 62B, 59, 59A, 59B, Belden 9291, 9209, 9269	2.06	1.85	1.75	1.65
571-2270797	227079-7	C	Commercial, Dual Crimp	Nickel	PE	124, 140, 210, 62, 62A, 62B, 59, 59A, 59B, Belden 9291, 9209, 9269	1.71	1.55	1.46	1.38
571-2253952	225395-2	D	Mil, Dual Crimp	Nickel	T	124, 140, 210, 62, 62A, 62B, 59, 59A, 59B, Belden 9291, 9209, 9269	2.54	2.29	2.16	2.03
75 Ohm										
571-4135898	413589-8	F	Hex Crimp	Nickel	PE	179, 179A, 179B, 187, 187A, 161, Belden 9221	2.80	2.52	2.38	2.25
571-2211858	221185-8	F	Dual Crimp	Nickel	PE	179, 179A, 179B, 187, 187A, 161, Belden 9221	1.92	1.73	1.63	1.54
571-4135893	413589-3	F	Hex Crimp	Nickel	PE	Belden 8218	3.60	3.24	2.88	2.70
571-2211853	221185-3	F	Dual Crimp	Nickel	PE	Belden 8218	2.20	1.97	1.87	1.76
571-2211852	221185-2	F	Dual Crimp	Nickel	PE	140, 210, 62, 62A, 62B, 59, 59A, 59B, Belden 9291, 9209, 9269	1.92	1.73	1.63	1.54
571-2211859	221185-9	F	Dual Crimp	Nickel	PE	Belden 8212, 9104, 9112, 9167, 9240, 9259, 9266, Times FM-59, (RG-59 Type with 20 AWG C.C.)	1.91	1.72	1.62	1.53
571-2211851	221185-1	F	Dual Crimp	Nickel	PE	Belden 9248, 9114	1.92	1.73	1.63	1.54
571-2211857	221185-7	F	Dual Crimp	Nickel	PE	6, 6A	1.92	1.73	1.63	1.54

BNC TWIST-ON PLUG

Twist-on connectors require no special tooling for application to the cable. Must be used with cable that has a solid conductor.

For quantities of 500 and up, call for quote.

571-4142653	414265-3	G	Commercial	Nickel	PM	59, 59A, 59B	3.92	3.53	3.33	3.14

These plugs are not recommended for applications where the cable frequently moves or flexes.

BNC RIGHT ANGLE PLUGS

- Center contact plating: Gold

For quantities of 500 and up, call for quote.

571-4139593	413959-3	H	Commercial, Hex Crimp	Nickel	PM	174, 188, 188A, 316	10.90	9.82	8.73	8.18
571-2259734	225973-4	I	Mil, Dual Crimp	Silver	T	142, 142A, 142B, 400	26.84	24.16	22.82	21.48

BNC JACKS

- Center contact plating: Gold

For quantities of 500 and up, call for quote.

50 Ohm										
571-4137793	413779-3	J	Commercial, Hex Crimp	Nickel	PM	174, 188, 188A, 316	3.24	2.92	2.77	2.68
571-4137791	413779-1	J	Commercial, Hex Crimp	Nickel	PM	58, 58A, 58B, 58C, Belden 88240, Berk-Tek BTDC-58, Comm/Scope 2135	5.16	4.65	4.39	4.13
571-2253961	225396-1	K	Mil, Dual Crimp	Nickel	T	58, 58A, 58B, 58C	5.80	5.23	4.65	4.36
571-2253967	225396-7	K	Mil, Dual Crimp	Nickel	T	174, 188, 188A, 316	6.22	5.60	4.98	4.67
75 Ohm										
571-4137608	413760-8	L	Hex Crimp	Nickel	- - -	179, 179A, 179B, 161, 187, 187A, Belden 9221	4.00	3.60	3.40	3.20
571-4137603	413760-3	L	Hex Crimp	Nickel	- - -	Belden 8218	4.00	3.60	3.40	3.20

BNC BULKHEAD JACKS

- Center contact plating: Gold

For quantities of 500 and up, call for quote.

50 Ohm										
571-12253985	1-225398-5	M	Mil, Dual Crimp	Nickel	T	Times RD316	3.50	3.15	2.98	2.80
571-2253981	225398-1	M	Mil, Dual Crimp	Nickel	T	58, 58A, 58B, 58C	4.02	3.62	3.42	3.22
571-2253987	225398-7	M	Mil, Dual Crimp	Nickel	T	174, 188, 188A, 316	3.06	2.75	2.45	2.30
571-2253986	225398-6	M	Mil, Dual Crimp	Nickel	T	142, 142A, 142B, 400	4.02	3.62	3.42	3.22
75 Ohm										
571-4135908	413590-8	N	Hex Crimp	Nickel	- - -	179, 179A, 179B, 161, 187, 187A, Belden 9221	5.34	4.91	4.38	4.11
571-2212215	221221-5	N	Dual Crimp	Nickel	- - -	179, 179A, 179B, 161, 187, 187A, Belden 9221	5.08	4.57	4.07	3.81
Front Mount with Solder Terminal										
571-2212441	221244-1	O	- - -	Nickel	PE	- - - -	3.62	3.26	2.90	2.72
Rear Mount										
571-4142171	414217-1	P	- - -	Nickel	PE	- - - -	7.18	6.46	5.74	5.40

RIGHT ANGLE METALIZED JACK CONNECTORS

- 50 Ohm
- PC board mount

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Body Plating	Center Contact Length In. (mm)	Mounting Height In. (mm)	Price Each 1	10	25	100	500
571-413631-1	413631-1	Q	Nickel	.171 (4.34)	10.97 (.432)	4.60	4.15	3.91	3.68	3.45
571-4136312	413631-2	Q	Tin-Lead	.171 (4.34)	10.97 (.432)	4.56	4.11	3.88	3.65	3.42

BNC JACK CONNECTORS

- 75 Ohm
- Mounting Post
- PC board/panel mount

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Contact Finish	Mounting Height In. (mm)	Price Each 1	10	25	500	100
571-2221321	222132-1	R	Vertical, Metal	Gold 30µ"	34.93 (1.375)	5.75	5.17	4.88	4.60	4.31
571-4131941	413194-1	S	Right Angle, VALOX, White	Gold 30µ"	13.88 (.519)	6.30	5.68	5.04	4.74	4.42
571-4131942	413194-2	S	Right Angle, VALOX, Black	Gold 30µ"	13.88 (.519)	6.30	5.68	5.04	4.74	4.42
571-2220921	222092-1	T	Right Angle, Metal	Gold 30µ"	15.88 (.625)	4.06	3.65	3.45	3.25	3.05

BNC METALIZED JACK CONNECTORS

- 75 Ohm
- PC board mount

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Center Contact	Price Each 1	10	25	100	500
571-2221171	222117-1	U	Bulkhead Jack-Jack Adapter, Nickel	Gold	7.02	6.32	5.97	5.62	5.27

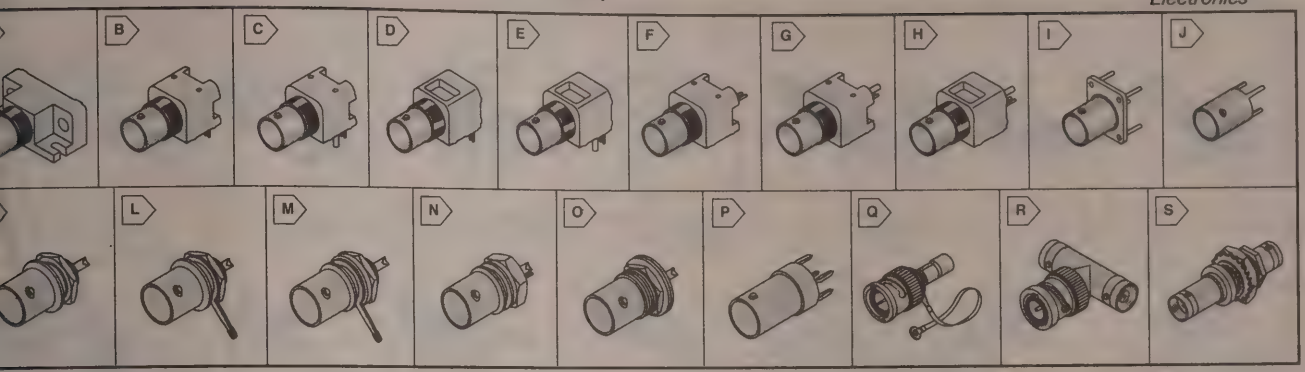
ACCESSORIES

MOUSER STOCK NO.	AMP Part No.	Pri Ea
Lockwasher		
571-13296322	1-329632-2	.1
Jam Nut		
571-13296312	1-329631-2	.1

MOUSER ELECTRONICS a tti company

AMP BNC Connectors
(50 Ohm)

tyco Electronics



CKS WITH MOUNTING FLANGES

cifications:
dy material: VALOX, White • 1/2-28 Thread
Board/Panel Mount

For quantities of 500 and up, call for quote.

OUSER OCK NO.	AMP Part No.	Fig.	Description	Center Contact	Mounting Height In. (mm)	Price Each 1	10	25	100
2269781	226978-1	A	Right Angle	Tin	.625 (15.88)	6.68	6.01	5.68	5.34
2269783	226978-3	A	Right Angle	Gold	.625 (15.88)	6.54	5.89	5.56	5.24

GHT ANGLE JACK CONNECTORS

ifications: • PC Board/Panel Mount

For quantities of 500 and up, call for quote.

OUSER OCK NO.	AMP Part No.	Fig.	Mounting Posts	Center Contact	Mounting Height In.(mm)	Price Each 1	10	25	100
y Material: VALOX, White									
2269901	226990-1	B	with out	Tin-Lead	.625 (15.88)	2.30	2.07	1.95	1.84
227161-1	227161-1	C	with	Tin-Lead	.625 (15.88)	1.70	1.53	1.36	1.28
2269903	226990-3	B	with out	Gold	.625 (15.88)	2.00	1.81	1.71	1.61
2271613	227161-3	C	with	Gold	.625 (15.88)	1.70	1.53	1.36	1.28
227161-7	227161-7	C	with	Gold	.519 (13.18)	1.70	1.53	1.36	1.28
y Material: VALOX, Black									
2271612	227161-2	C	with	Tin-Lead	.625 (15.88)	1.69	1.53	1.44	1.35
2271616	227161-6	C	with	Gold	.625 (15.88)	1.69	1.53	1.44	1.35
227161-9	227161-9	C	with	Gold	.519 (13.18)	1.69	1.53	1.44	1.36
y Material: Metal									
227661-1	227661-1	E	with	Tin-Lead	.625 (15.88)	2.33	2.10	1.98	1.87
2276761	227676-1	D	with out	Gold	.625 (15.88)	2.39	2.15	2.03	1.91
2276771	227677-1	E	with	Gold	.625 (15.88)	2.30	2.06	1.94	1.83
4138791	413879-1	E	with	Gold	.500 (12.70)	4.04	3.64	3.43	3.23

RTICAL JACK CONNECTORS

cifications:
B/Panel Mount • Order lockwashers and jam nuts separately

For quantities of 500 and up, call for quote.

OUSER OCK NO.	AMP Part No.	Fig.	Mounting Posts	Center Contact	Mounting Height In.(mm)	Price Each 1	10	25	100
dy Material: VALOX, White									
2269931	226993-1	F	with out	Tin-Lead	1.375 (34.93)	5.54	4.99	4.44	4.17
2272221	227222-1	G	with	Tin-Lead	1.375 (34.93)	1.69	1.52	1.44	1.35
2272223	227222-3	G	with	Gold	1.375 (34.93)	1.69	1.52	1.44	1.35
dy Material: VALOX, Black									
2272226	227222-6	G	with	Gold	1.375 (34.93)	2.78	2.51	2.23	2.09
dy Material: Metal									
2276711	227671-1	H	with	Tin-Lead	1.375 (34.93)	2.72	2.45	2.18	2.04
2276731	227673-1	H	with	Gold	1.375 (34.93)	1.95	1.75	1.66	1.56

CKWASHER AND JAM NUT

For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	AMP Part No.	Description	Price Each 1	10	25	100	500
13296322	1-329632-2	Lockwasher	.16	.15	.14	.13	.12
13296312	1-329631-2	Jam nut	.17	.16	.15	.14	.13

ERTICAL METALIZED BNC JACK CONNECTORS

cifications:
electric VALOX • PC Board Mount

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	AMP Part No.	Fig.	Body Plating	Center Contact	Price Each 1	10	25	100
2276991	227699-1	I	Nickel	Silver	2.74	2.46	2.33	2.19
227699-2	227699-2	I	Nickel	Gold	2.74	2.46	2.33	2.19
2211232	221123-2	J	Tin-Lead	Gold	3.86	3.47	3.10	2.91

BULKHEAD SOLDER JACKS

Specifications:
• Body plating: Nickel • Front Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Contact Material	Dielectric	Price Each 1	10	25	100
Without Solder Terminal (Includes lockwasher and jam nut.)								
571-2277542	227754-2	K	Gold	VALOX	1.78	1.61	1.44	1.34
With Solder Terminal (Includes solder terminal and jam nut.)								
571-2277553	227755-3	L	Silver	VALOX	2.02	1.82	1.72	1.62
571-2277552	227755-2	L	Gold	VALOX	1.84	1.67	1.49	1.38
571-2277163	227716-3	L	Gold	TEFLON	3.18	2.87	2.55	2.39
571-2271697	227169-7	M	Gold	VALOX	2.08	1.86	1.65	1.55
571-2271698	227169-8	M	Gold	TEFLON	3.34	3.01	2.84	2.68

ISOLATED AND SEALED BULKHEAD SOLDER JACKS

Specifications:
• Body plating: Nickel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Center Contact	Dielectric	Price Each 1	10	25	100
Isolated									
571-227726-1	227726-1	N	Front mount	Tin	White VALOX	2.88	2.60	2.31	2.16
571-227726-2	227726-2	N	Front mount	Silver	White VALOX	2.88	2.60	2.31	2.16
571-2277263	227726-3	N	Front mount	Gold	White VALOX	1.77	1.60	1.50	1.42
Sealed									
*571-2274261	227426-1	O	Rear mount	Gold	Polymethylpente	5.16	4.65	4.39	4.13

* This connector is designed to prevent moisture from entering the interface from the rear of the connector

PRESS FIT VERTICAL METALIZED JACK

Specifications:
• PC Board Mount

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	10	25	100	500
571-2220061	222006-1	P	Vertical metalized	3.78	3.24	2.96	2.78	2.61

INSULATION BUSHING

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Material	Price Each 1	10	25	100
571-2272231	227223-1	--	For bulkhead solder jacks	- - -	.20	.17	.16	.15

TERMINATOR PLUGS

• Body plating: Nickel

For quantities of 500 and up, call for quote.

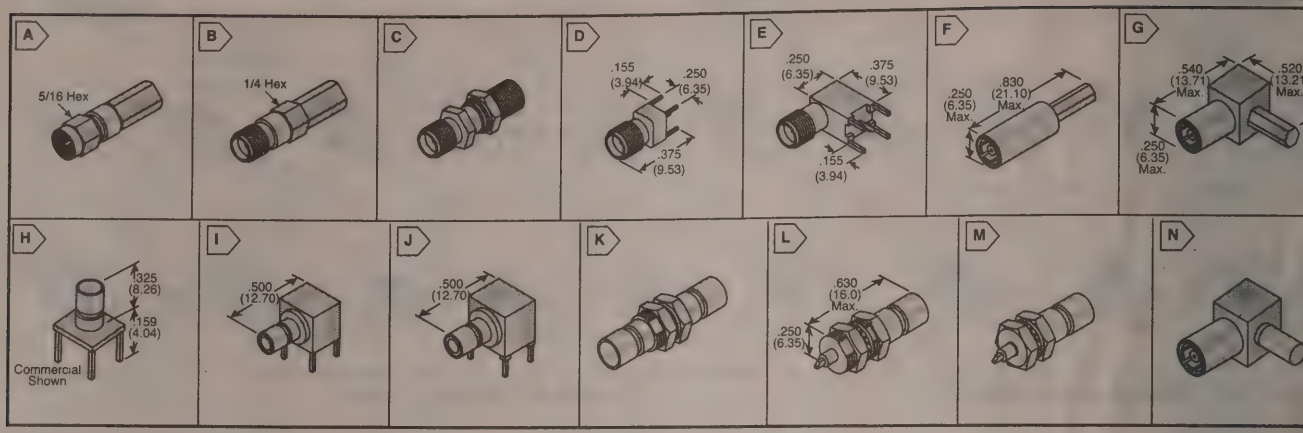
MOUSER STOCK NO.	AMP Part No.	Fig.	Resistor Specification	Center Contact	Dielectric	Price Each 1	10	25	100
Without Tether									
571-2216294	221629-4	Q	1 Watt, 50 Ω	Gold	Polyethylene	4.12	3.71	3.50	3.30

BNC ADAPTERS, 50 OHM

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Center Contact Material and Plating Type	Price Each 1	10	25	100
Tee, Jack-Plug-Jack								
571-2215432	221543-2	R	Brass, Nickel, Teflon	BE CU, Gold (30µ")	11.66	10.50	9.92	9.33
Bulkhead, Jack-Jack								
571-2282261	228226-1	S	Nickel, Polyethylene	Gold (50µ")	5.00	4.48	4.24	4.00
571-2282263	228226-3	S	Nickel, Polyethylene	Gold (15µ")	4.00	3.60	3.40	3.20

AMP SMA and SMB Connectors



SMA CONNECTORS

Crimp Connectors

Features:
• Center Contacts • Body Material: Brass • Body Finish: Nickel

For quantities of 500 and up, call for

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Cable Type RG/U	Price Each 1	10	25
571-4476472	447647-2	A	Plug, Hex Crimp	142, 142A, 142B	3.56	3.21	2.85
571-4476473	447647-3	A	Plug, Hex Crimp	174, 174A, 188, 188A, 316	3.48	3.13	2.79
571-4476483	447648-3	B	Jack, Hex Crimp	174, 174A, 188, 188A, 316	4.52	4.07	3.62

Bulkhead Jack & Adapter

Features:
• Body Material: Stainless Steel • Body Finish: Passivated • Center Contact Material: Beryllium Copper • Center Contact Plating: Gold

For quantities of 500 and up, call for

571-2216431	221643-1	C	Bulkhead Jack Adapter (Jack-Jack), front and rear mount	----------	16.26	14.63	13.02

PC Board Jacks

Features:
• Center Contact Material: Beryllium Copper • Center Contact Plating: Gold • Dielectric: Teflon • Gasket Material: Silicone Rubber

For quantities of 500 and up, call for

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Material and Finish	Price Each 1	10	25
571-221789-1	221789-1	D	Vertical	Brass and Gold	6.18	5.56	5.25
571-221790-1	221790-1	E	Right Angle	Stainless Steel and Gold	13.56	12.21	10.85

SMB PLUGS - 50 Ohm

Specifications:
• Center Contact: Gold • 50 Ohm • TEFLON • Outer Contact: Gold • Other Metal Parts: Listed Below

For quantities of 500 and up, call for

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Style	Cable Type RG/U	Price Each 1	10	25
571-4139856	413985-6	F	Nickel	Mil	178, 178A, 178B, 196, 196A	5.66	5.10	4.53
571-4139851	413985-1	F	Gold	Mil	174, 316, 188, 188A	6.74	6.07	5.40
571-4139853	413985-3	F	Nickel	Mil	174, 316, 188, 188A	5.44	5.00	4.71
571-4140021	414002-1	G	Right Angle, Gold	Mil	174, 316, 188, 188A, 179, 179A, 179B, 161, 187, 187A, Belden 9221	8.34	7.51	6.67
571-4140023	414002-3	G	Right Angle, Nickel	Mil	174, 316, 188, 188A, 179, 179A, 179B, 161, 187, 187A, Belden 9221	7.94	7.15	6.75
571-4143633	414363-3	G	Right Angle, Gold	Diecast	174, 316, 188, 188A, 179, 179A, 179B, 161, 187, 187A, Belden 9221	4.58	4.13	3.67

SMB JACKS - 50 Ohm

Specifications:
• Center Contact: Gold • 50 Ohm • TEFLON • Outer Contact: Gold • Other Metal Parts: Listed Below

For quantities of 500 and up, call for

571-2211111	221111-1	H	PCB, Vertical, Nickel	Comm.	----	2.95	2.65	2.51
571-4139901	413990-1	H	PCB, Vertical, Gold	Mil	----	4.32	3.90	3.46
571-4139902	413990-2	H	PCB, Vertical, Nickel	Mil	----	3.46	3.12	2.77
571-4139962	413996-2	I	Bulkhead, Right Angle, Low Profile, Gold	Mil	----	9.16	8.25	7.33
571-4140262	414026-2	J	Bulkhead, Right Angle, w/standoff pads, Gold	Mil	------	6.64	6.00	5.32
571-2285531	228553-1	K	Bulkhead Adapter (Jack-Jack) Nickel	Mil	-----	7.06	6.35	5.65

BULKHEAD PCB JACK, SOLDER RECEPTACLE KITS

Kit includes lockwasher and jam nut.

For quantities of 500 and up, call for

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Body Plating	Dielectric	Style	Price Each 1	10	25
571-2282161	228216-1	L	Front Mount	Nickel	TEFLON	Mil	6.54	5.89	5.56
571-2282151	228215-1	M	Rear Mount	Nickel	TEFLON	Mil	5.70	5.13	4.56

SMB CONNECTORS - 75 Ohm

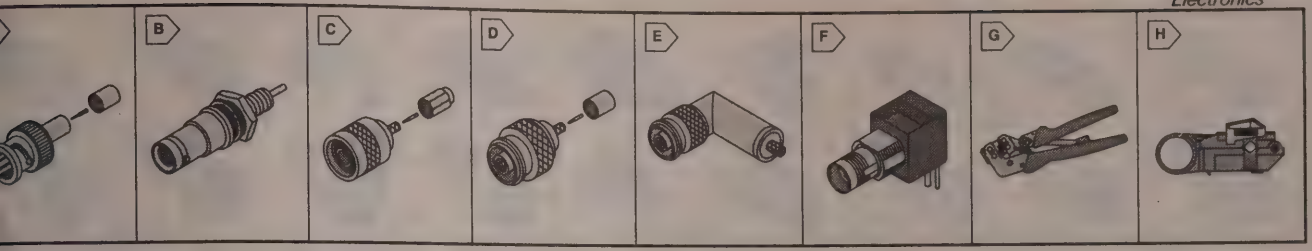
Specifications:
• Dielectric: TEFLON • Center Contact: Gold

For quantities of 500 and up, call for

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Style	Cable Type RG/U	Price Each 1	10	25
571-4140486	414048-6	N	Plug, Right Angle, Nickel	Comm.	179, 179A, 179B, 161, 187,187A, Belden 9221	16.30	14.67	13.86
571-2210141	221014-1	J	PC Board Jack, Right Angle, Front-Nickel Rear-Tin/Lead	Comm.	----	6.76	6.08	5.75

TOOLS

MOUSER STOCK NO.	AMP Part No.	Description	Cable Type RG/U	Price Each 1	5
571-585001	58500-1	Crimp Tool, 50 Ohm, Hex/Comm with Die Set	174, 316, 188, 179, 161, 187, RD 316, 188 Double Braid	125.30	116.3
571-580461	58046-1	Crimp Tool, 50 Ohm, Hex/Comm with Die Set	178, 196, 174, 316, 179, 161, 187, 188	763.00	705.5
571-3549401	354940-1	Pro Crimper II Hand Tool without Die	-----	75.00	70.0
571-584891	58489-1	Die Set, Hex/Commercial	174, 179, 187	68.60	63.7
571-584831	58483-1	Die Set, Mil Type Crimp	-----	82.60	76.7



HV CONNECTORS

nter contact : Gold • Dual crimp • SHV: Safe High Voltage

For quantities of 500 and up, call for quote.

OUSER OCK NO.	AMP Part No.	Fig.	Description	Cable Type RG/U	Price Each 1	10	25	100
-514264	51426-4	A	Plug, Nickel, Teflon	58, 58A, 58B, 58C	36.74	33.07	31.23	29.40
-514262	51426-2	A	Plug, Silver, Teflon	124, 140, 210, 62, 62A, 62B, 59, 59A, 59B, Belden 9291, 9209,9269	39.40	35.45	33.48	31.51
-514941	51494-1	B	Bulkhead Solder Jack, Silver	- - - - -	25.54	22.99	20.44	17.89
-514942	51494-2	B	Bulkhead Solder Jack, Nickel	- - - - -	16.20	14.58	12.96	11.34

NC PLUGS

Ohm • Center contacts: Gold

For quantities of 500 and up, call for quote.

OUSER OCK NO.	AMP Part No.	Fig.	Description	Cable Type RG/U	Price Each 1	10	25	100
t Crimp								
-2225065	222506-5	C	Nickel, Polypropylene	174, 188, 188A, 316	4.14	3.73	3.32	2.90
-2225061	222506-1	C	Nickel, Polypropylene	58, 58A, 58B, 58C	3.00	2.70	2.55	2.40
al Crimp - Weatherproof - Mil Type								
-2255556	225555-6	D	Nickel, Teflon	142, 142A, 142B, 400	12.44	11.20	9.96	8.71
-2255557	225555-7	D	Nickel, Teflon	8, 8A, 213	34.70	31.23	29.50	27.76
-2255592	225559-2	E	Right Angle, Nickel, Teflon	58, 58A, 58B, 58C	27.24	24.52	21.80	19.07
-2255546	225554-6	E	Right Angle, Silver, Teflon	142, 142A, 142B, 400	28.42	25.58	24.16	22.74

NC JACK

ight Angle
Ohm
enter contact plating: Gold

- Body material: Metal
- PC Board/Panel Mount
- 1/2-28 Thread
- Mounting Height:15.88 (.625)
- For Panel Mount: lockwasher (571-13296322) and jam nut (571-13296312) required, sold separately

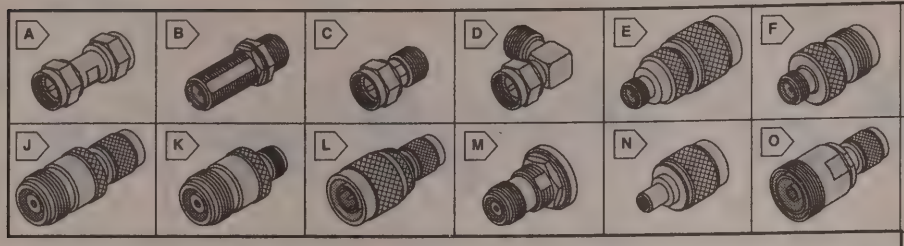
For quantities of 500 and up, call for quote.

OUSER OCK NO.	AMP Part No.	Fig.	Description	Cable Type RG/U	Price Each 1	10	25	100
-2278391	227839-1	F	With mounting posts	- - - - -	7.04	6.69	6.34	6.16

OOLS AND DIES FOR RF CONNECTORS

For quantities greater than listed, call for quote.

OUSER OCK NO.	AMP Part No.	Fig.	Description	Termination Type	Cable Type RG/U	Price Each 1	5
Ohm							
1-584331	58433-1	G	PRO-CRIMPER II w/die	BNC Dual "O" Crimp Comm.	- - -	66.00	57.20
1-3549401	354940-1	G	PRO-CRIMPER II (Frame only)	O Crimp Commercial	210, 62, 62A, 62B, 59, 59A, 59B, Belden 9169, 9209, 9291, 89269	75.00	70.00
1-584332	58433-2	G	PRO-CRIMPER II w/die	BNC Hex Crimp	- - -	92.25	86.10
1-584363	58436-3	- - -	Die for PRO-CRIMPER	BNC Hex Crimp	161, 174, 179, 179A, 179B, 180, 180A, 187, 187A, 188, 188A, 195, 195A, 316, Belden 9221, C1180B	45.00	42.00
1-584362	58436-2	- - -	Die for PRO-CRIMPER	BNC Hex Crimp Comm.	Belden 8281, 9141, 9231, Western Electric, 724, 728, 3049	45.00	42.00
1-584351	58435-1	- - -	Die for PRO-CRIMPER	BNC "O" Crimp Comm.	- - -	45.00	42.00
1-3184502	318450-2	- - -	Die for PRO-CRIMPER	"O" Crimp Comm.	- - -	180.00	168.00
1-583301	58330-1	- - -	Die for PRO-CRIMPER	- - -	- - -	201.75	188.30
1-3184522	318452-2	- - -	Die for PRO-CRIMPER	BNC "O" Crimp Comm.	- - -	576.00	504.00
1-2201893	220189-3	- - -	Die for PRO-CRIMPER	O Crimp Mil Type	55, 55A, 55B, 58, 58A, 58B, 58C, 141, 141A, 142, 142A, 142B, 223, 303, 400, Belden 88240, Berk-Tek BTDC-58, Comm/Scope 2135	168.00	156.80
1-2201891	220189-1	- - -	Die for PRO-CRIMPER	O Crimp Comm.	55, 55A, 55B, 58, 58A, 58B, 58C, 141, 141A, 142, 142A, 142B, 223, 303, 400	117.60	109.20
1-585371	58537-1	- - -	Die for PRO-CRIMPER	O Crimp Mil Type	59, 59A, 59B, 62, 62A, 62B, 124, 140, 210, 302, Belden 9104, 9112, 9167, 9209, 9240, 9259, 9266, 9291, 9269, 88241, 89269, Hi-Temp 59 & 62A, Times PL59, PL62, PLF59, FM-59, Berk-Tek, BTDC-59, BTDC-62	124.50	117.00
1-2201892	220189-2	- - -	Die for PRO-CRIMPER	O Crimp Comm.	124, 140, 210, 62, 62A, 62B, 59, 59A, 59B, Belden 9209, 9269, 9291	163.50	153.00
1-220022-1	220022-1	- - -	Certi-Crimp Hand Tool	- - -	- - -	757.05	702.98
1-58436-1	58436-1	- - -	Die Set	- - -	RG58/59 Hex IS9159	42.00	36.40
Ohm							
1-584252	58425-2	- - -	Die for PRO-CRIMPER	TNC Hex Crimp Comm.	179, 179A, 179B, 187, 187A, Belden 9221	38.25	36.40
1-584251	58425-1	- - -	Die for PRO-CRIMPER	TNC Hex Crimp Comm.	210, 62, 62A, 62B, 59, 59A, 59B, 302, Belden 9104, 9112, 9167, 9209, 9240, 9259, 9209, 9240, 9259, 9266, 9269, 9291, 88241, 89269, Hi-Temp 62A, Times PL62, FM-59, Berk-Tek BTDC-59, BTDC-62	38.25	36.40
					- - -	105.00	98.00
1-585312	58531-2	- - -	PRO-CRIMPER w/ Die	- - -	- - -	168.00	157.00
1-580851	58085-1	- - -	Die for PRO-CRIMPER	- - -	Belden 8281, 9141, 9231	160.50	150.00
1-585381	58538-1	- - -	Die for PRO-CRIMPER	TNC "O" Crimp Comm.	AT&T 735A	297.00	286.00
1-581741	58174-1	- - -	Die for PRO-CRIMPER	TNC "O" Crimp Comm.	- - -	201.75	188.30
1-580861	58086-1	- - -	Die for PRO-CRIMPER	- - -	- - -	126.00	118.00
Type							
1-585011	58501-1	- - -	PRO-CRIMPER w/ Die	- - -	8, 9, 213, 214, Belden 9880	56.25	52.50
1-584851	58485-1	- - -	Die Set for PRO-CRIMPER	Hex Crimp	RG141	358.50	310.70
1-91902-1	91902-1	- - -	Die Set for 225361-1 and 225361-4	- - -			
able Stripper					- - -	131.14	111.00
1-603995-1	603995-1	H	Coax Cable Stripper	BNC Single Crimp			

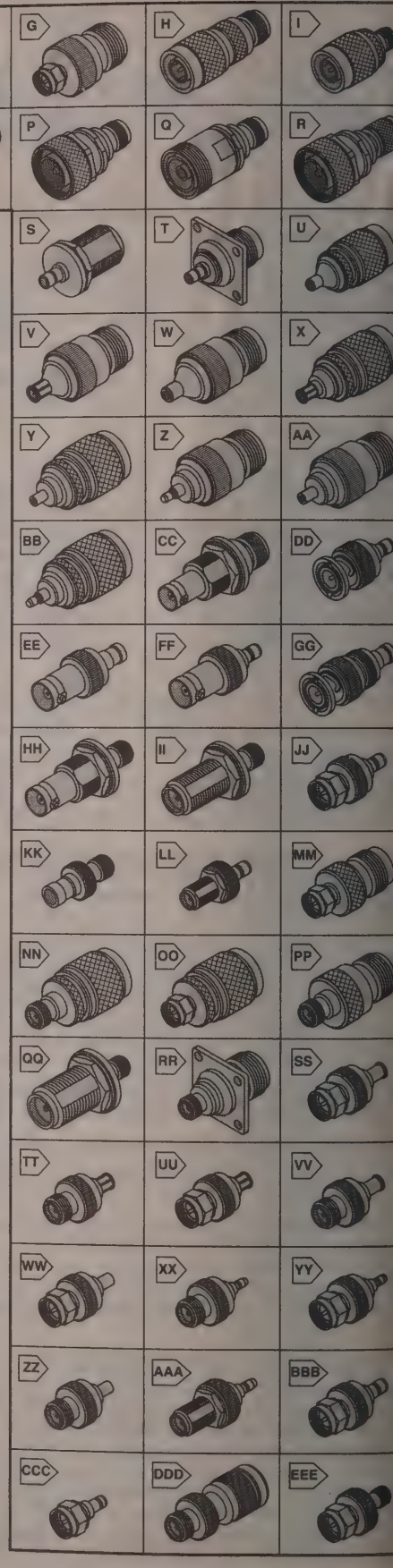


AMPHENOL BETWEEN SERIES ADAPTERS

Amphenol Between Series Adapters are used to join two connectors of different series. They are designed to offer the lowest VSWR rating of the two series involved. For Reverse Polarized connectors, RP is added to the end of the part number.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each 1	5	10	25	50
Type SMA-RP								
523-132168RP	132168RP	A	SMA Plug to SMA Reverse Polarity Plug	5.04	4.31	3.95	3.54	3.39
523-132170RP	132170RP	B	SMA Jack to SMA Rev. Pol. Bulkhead Jack	6.49	5.55	5.08	4.55	4.36
523-132171RP	132171RP	C	SMA Reverse Polarity Jack to SMA Plug	4.68	4.00	3.67	3.28	3.14
523-132171RP-10	132171RP-10	C	SMA Jack to SMA Reverse Polarity Plug	4.68	4.00	3.67	3.28	3.14
523-132171RP-RP	132171RP-RP	C	SMA Rev. Pol. Jack to SMA Rev. Pol. Plug	4.68	4.00	3.67	3.28	3.14
523-132172RP	132172RP	D	SMA RA Plug to SMA Reverse Polarity Jack	7.57	6.47	5.93	5.31	5.09
523-242105RP	242105RP	E	SMA Jack to TNC Reverse Polarity Plug	7.85	6.71	6.15	5.51	5.27
523-242107RP	242107RP	F	SMA Jack to TNC Reverse Polarity Jack	6.87	5.87	5.38	4.82	4.61
523-242112RP	242112RP	G	SMA Reverse Polarity Plug to N Jack	7.85	6.71	6.15	5.51	5.27
Type N-RP								
523-172212RP	172212RP	H	N Reverse Polarity Plug to N Jack	7.66	6.55	6.00	5.37	5.14
523-172213RP	172213RP	H	N Reverse Polarity Jack to N Plug	7.66	6.55	6.00	5.37	5.14
523-242130RP	242130RP	I	N Plug to TNC Reverse Polarity Jack	10.00	8.55	7.83	7.01	6.71
523-242131RP	242131RP	J	N Jack to TNC Reverse Polarity Plug	6.23	5.33	4.88	4.37	4.19
523-242132RP	242132RP	K	N Jack to TNC Reverse Polarity Jack	4.53	3.87	3.55	3.18	3.04
523-242133RP	242133RP	L	N Plug to TNC Reverse Polarity Plug	12.38	10.58	9.70	8.69	8.31
Type TNC-RP								
523-242192RP	242192RP	M	TNC Rev Pol Bulkhead Jack to U.FL Jack	6.17	5.27	4.83	4.33	4.14
Type TNC								
523-242192	242192	M	TNC Bulkhead Jack to U.FL Jack	6.09	5.20	4.77	4.27	4.09
523-242208	242208	N	TNC Plug to MCX Jack	9.36	8.00	7.33	6.57	6.29
Type N								
523-242135	242135	O	N Plug to 7/16 Jack	53.36	45.60	41.80	37.43	35.83
523-242136	242136	P	N Jack to 7/16 Plug	55.00	47.00	43.08	38.58	36.93
523-242137	242137	Q	N Jack to 7/16 Jack	54.85	46.87	42.97	38.48	36.83
523-242138	242138	R	N Plug to 7/16 Plug	54.79	46.82	42.92	38.43	36.79
523-242183	242183	S	N Jack to SMB Bulkhead Jack	12.00	10.25	9.40	8.42	8.06
523-242198	242198	T	N Jack to SMB Jack	18.94	16.18	14.83	13.28	12.71
523-242170	242170	U	N Plug to MCX Jack	20.06	17.15	15.72	14.07	13.47
523-242171	242171	V	N Jack to MCX Plug	14.02	11.98	10.98	9.84	9.41
523-242172	242172	W	N Jack to MCX Jack	10.77	9.20	8.43	7.55	7.23
523-242173	242173	X	N Plug to MCX Plug	21.32	18.22	16.70	14.96	14.31
523-242166	242166	Y	N Plug to MMCX Jack	13.83	11.82	10.83	9.70	9.29
523-242167	242167	Z	N Jack to MMCX Plug	11.79	10.07	9.23	8.27	7.91
523-242168	242168	AA	N Jack to MMCX Jack	12.77	10.91	10.00	8.96	8.57
523-242169	242169	BB	N Plug to MMCX Plug	11.28	9.64	8.83	7.91	7.57
523-242162	242162	CC	N Jack to BNC Bulkhead Jack	22.51	19.24	17.63	15.79	15.11
Type BNC								
523-242184	242184	DD	BNC Plug to SMB Jack	6.53	5.58	5.12	4.58	4.39
523-242185	242185	EE	BNC Jack to SMB Plug	7.26	6.20	5.68	5.09	4.87
523-242186	242186	FF	BNC Plug to SMB Jack	6.23	5.33	4.88	4.37	4.19
523-242187	242187	GG	BNC Plug to SMB Plug	7.02	6.00	5.50	4.93	4.71
Type SMA								
523-242181	242181	HH	SMA Jack to BNC Bulkhead Jack	9.28	7.93	7.27	6.51	6.23
523-242178	242178	II	SMA Jack to TNC Bulkhead Jack	9.89	8.45	7.75	6.94	6.64
523-242144	242144	JJ	SMA Plug to SMB Jack	8.77	7.49	6.87	6.15	5.89
523-242145	242145	KK	SMA Jack to SMB Jack	8.43	7.20	6.60	5.91	5.66
523-242146	242146	JJ	SMA Plug to SMB Jack	10.23	8.75	8.02	7.18	6.87
523-242147	242147	KK	SMA Jack to SMB Jack	8.19	7.00	6.42	5.75	5.50
523-242182	242182	LL	SMA Jack to SMB Bulkhead Jack	7.38	6.31	5.78	5.18	4.96
523-242112	242112	MM	SMA Plug to N Jack	7.85	6.71	6.15	5.51	5.27
523-242113	242113	NN	SMA Jack to N Plug	12.13	10.36	9.50	8.51	8.14
523-242114	242114	OO	SMA Plug to N Plug	8.34	7.13	6.53	5.85	5.60
523-242115	242115	PP	SMA Jack to N Jack	9.34	7.98	7.32	6.55	6.27
523-242125	242125	QQ	SMA Jack to N Bulkhead Jack	12.70	10.85	9.95	8.91	8.53
523-242163	242163	RR	SMA Jack to N Panel Jack	9.74	8.33	7.63	6.84	6.54
523-242126	242126	SS	SMA Plug to MCX Jack	8.68	7.42	6.80	6.09	5.83
523-242127	242127	TT	SMA Jack to MCX Plug	10.19	8.71	7.98	7.15	6.84
523-242128	242128	UU	SMA Plug to MCX Plug	10.02	8.56	7.85	7.03	6.73
523-242129	242129	VV	SMA Jack to MCX Jack	12.02	10.27	9.42	8.43	8.07
523-242140	242140	WW	SMA Plug to MMCX Jack	8.02	6.85	6.28	5.63	5.39
523-242141	242141	XX	SMA Jack to MMCX Plug	7.02	6.00	5.50	4.93	4.71
523-242142	242142	YY	SMA Plug to MMCX Plug	8.77	7.49	6.87	6.15	5.89
523-242143	242143	ZZ	SMA Jack to MMCX Jack	7.89	6.75	6.18	5.54	5.30
523-242193	242193	AAA	SMA Jack to MMCX Bulkhead Plug	7.96	6.80	6.23	5.58	5.34
523-242200	242200	BBB	SMA Jack to SSMB Jack	14.02	11.98	10.98	9.84	9.41
523-242207	242207	CCC	SMA Plug to 1.0/2.3 Jack	12.34	10.55	9.67	8.66	8.29
523-242179	242179	DDD	SMA Jack to 1.0/2.3 Plug	13.19	11.27	10.33	9.25	8.86
523-242189	242189	EEE	SMA Plug to SSMA Jack	6.77	5.78	5.30	4.75	4.54



INI SMB 75 OHM CONNECTORS

3 connectors feature quick connect/disconnect snap-on mating . Mini 75 ohm connectors are matched-impedance SMB connectors to be used with 75 ohm miniature x cables. The connectors are the same size as, and intermateable with, standard 50 ohm connectors.

npedance: 75 ohm • Finish: Gold, unless part number is noted with * = Nickel • Frequency range: 0-4 GHz
ody Material: Brass • Center Contact: 30µ" Gold • Insulation: Teflon

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each 1	10	25	100	250
3-142186-75	142186-75	A	Straight Crimp Plug	179/U	47-10150	4.65	3.90	3.70	3.24	2.99
3-142187-75	142187-75	A	Straight Crimp Plug	179 Double Braid	47-10160	4.65	3.90	3.70	3.24	2.99
3-142134-75	142134-75	B	Vertical Plug for PC Board	- - -	- - -	4.32	3.69	3.49	3.06	2.84
3-142194-75	142194-75	C	Right Angle Cable Plug	179/U	47-10150	5.26	4.48	4.24	3.72	3.45
3-142176-75	142176-75	C	Right Angle Cable Plug	179 Double Braid	47-10160	5.26	4.48	4.24	3.72	3.45
3-142189-75	142189-75	D	Straight Crimp Jack	179/U	47-10150	3.13	2.66	2.52	2.21	2.05
3-142138-75	142138-75	E	Vertical Jack for PC Board	- - -	- - -	2.30	1.96	1.86	1.63	1.51
3-142146-75	142146-75	F	Right Angle Jack for PC Board	- - -	- - -	3.96	3.37	3.19	2.80	2.60
3-142179-75	142179-75*	G	Bulkhead Feedthrough Cable JK	179/U	47-10150	3.39	2.88	2.73	2.40	2.23

MA SERIES FOR LMR AND SEMI-RIGID CABLES

ese SMA connectors offer a compact size and mechanically give outstanding durability.

mpedance: 50 ohm • Finish: Gold • Frequency Range: 0-18GHz (semi-rigid); 0-12.4GHz (flexible cable)
ody Material: Brass • Center Contact: Gold • Insulation: Teflon

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each 1	10	25	100	250
3-132114	132114	H	Straight Crimp Plug	LMR100/RG316/U	47-10150	2.62	2.36	2.12	1.95	1.85
3-132113	132113	H	Straight Crimp Plug	LMR195/RG58/U	47-10070	2.62	2.36	2.12	1.95	1.85
3-132234	132234	H	Straight Crimp Plug	LMR200	47-10070	3.02	2.71	2.44	2.25	2.13
3-132231	132231	H	Straight Crimp Plug	LMR 240/8X	47-10070	4.32	3.89	3.49	3.22	3.06
3-132298	132298	H	Straight Crimp Plug	LMR 400/B9913	47-10210	5.51	4.95	4.46	4.09	3.89
3-132100	132100	I	Straight Solder Plug(no contact)	.141 Semi-Rigid	- - -	1.24	1.11	.99	.93	.88
3-132102	132102	J	Straight Solder Plug(w/ contact)	.141 Semi-Rigid	- - -	2.26	2.03	1.83	1.68	1.59
3-132101	132101	J	Straight Solder Plug	.085 Semi-Rigid	- - -	2.26	2.03	1.83	1.68	1.59
3-132249	132249	J	Straight Solder Plug	.047 Semi-Rigid	- - -	3.11	2.79	2.51	2.31	2.19
3-132296	132296	J	Straight Solder Plug	.250 Semi-Rigid	- - -	4.14	3.73	3.35	3.08	2.93
3-132123	132123	K	Right Angle Crimp Plug	LMR 100/RG316/U	47-10150	4.74	4.27	3.84	3.53	3.35
3-132122	132122	K	Right Angle Crimp Plug	LMR 195/RG58/U	47-10070	5.28	4.75	4.28	3.93	3.74
3-132235	132235	K	Right Angle Crimp Plug	LMR 200	47-10070	4.91	4.41	3.96	3.65	3.46
3-132239	132239	K	Right Angle Crimp Plug	LMR 240/8X	47-10070	6.22	5.59	5.04	4.64	4.41
3-132299	132299	K	Right Angle Crimp Plug	LMR 400/B9913	47-10210	5.51	4.95	4.46	4.09	3.89
3-132112	132112	L	Right Angle Solder Plug	.141 Semi-Rigid	- - -	4.14	3.72	3.35	3.09	2.93
3-132111	132111	L	Right Angle Solder Plug	.085 Semi-Rigid	- - -	4.14	3.72	3.35	3.09	2.93
3-132344	132344	L	Right Angle Solder Plug	.250 Semi-Rigid	- - -	4.56	4.10	3.69	3.39	3.23
3-132117	132117	M	Straight Crimp Jack	LMR 100/RG316/U	47-10150	3.90	3.51	3.16	2.91	2.76
3-132116	132116	M	Straight Crimp Jack	LMR 195/RG58/U	47-10070	3.90	3.51	3.16	2.91	2.76
3-132236	132236	M	Straight Crimp Jack	LMR 200	47-10070	3.90	3.51	3.16	2.91	2.76
3-132240	132240	M	Straight Crimp Jack	LMR 240	47-10070	3.90	3.51	3.16	2.91	2.76
3-132332	132332	M	Straight Crimp Jack	LMR 400/B9913	47-10210	6.48	5.83	5.24	4.83	4.58
3-132104	132104	N	Straight Solder Jack	.141 Semi-Rigid	- - -	2.28	2.05	1.84	1.69	1.60
3-132103	132103	N	Straight Solder Jack	.085 Semi-Rigid	- - -	2.34	2.11	1.89	1.74	1.65
3-132345	132345	N	Straight Solder Jack	.250 Semi-Rigid	- - -	3.32	2.98	2.67	2.48	2.35
3-132119	132119	O	Bulkhead Crimp Jack	LMR100/RG316/U	47-10150	4.31	3.87	3.48	3.20	3.04
3-132118	132118	O	Bulkhead Crimp Jack	LMR195/RG58/U	47-10070	4.06	3.65	3.29	3.03	2.87
3-132237	132237	O	Bulkhead Crimp Jack	LMR200	47-10070	4.80	4.32	3.88	3.57	3.39
3-132241	132241	O	Bulkhead Crimp Jack	LMR240/8X	47-10070	4.24	3.82	3.43	3.16	2.99
3-132333	132333	O	Bulkhead Crimp Jack	LMR 400	47-10210	6.84	6.15	5.54	5.09	4.84
3-132106	132106	P	Bulkhead Solder Jack, feedthru	.141 Semi-Rigid	- - -	4.72	4.24	3.82	3.51	3.34
3-132105	132105	P	Bulkhead Solder Jack, feedthru	.085 Semi-Rigid	- - -	4.22	3.79	3.42	3.14	2.98
3-132346	132346	P	Bulkhead Solder Jack, feedthru	.250 Semi-Rigid	- - -	3.92	3.53	3.17	2.92	2.77

REVERSE POLARITY SMA CONNECTORS

leverse Polarity connectors employ female contacts in the plug connector and male contacts in the jack connector. SMA-RP will not mate with standard SMA Connectors.

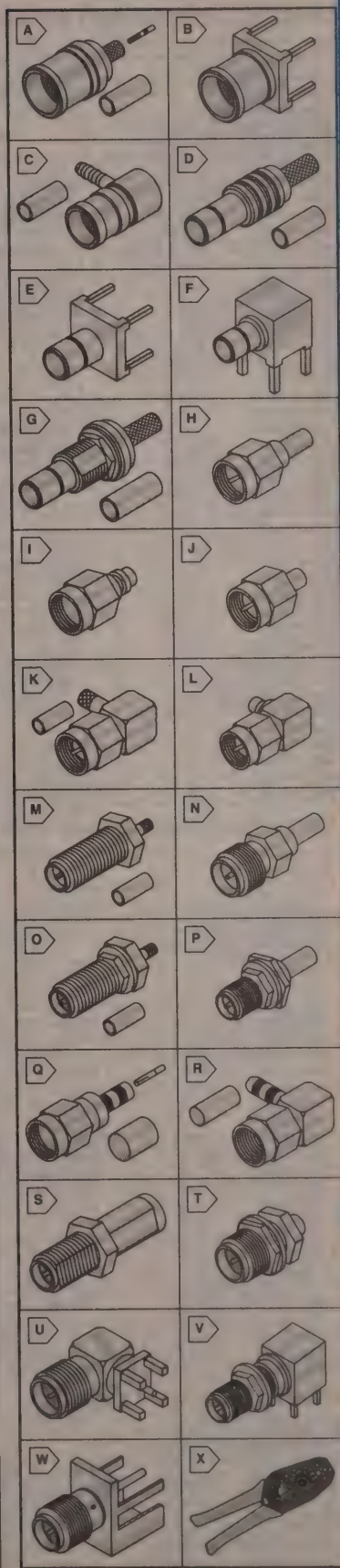
Impedance: 50 ohm • Body Material: Brass
Frequency Range: 0-6 GHz • Finish: Gold

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each 1	10	25	100	250
523-132114RP	132114RP	Q	Straight Crimp Plug	LMR100/RG316,174	47-10070	4.74	4.50	4.27	3.79	3.32
523-132113RP	132113RP	Q	Straight Crimp Plug	LMR195/ RG58	47-10150	3.78	3.59	3.40	3.02	2.65
523-132195RP	132195RP	Q	Straight Crimp Plug	RG223, 142	47-10070	3.44	3.27	3.10	2.75	2.41
523-132231RP	132231RP	Q	Straight Crimp Plug	LMR 240 / RG8X	47-10070	5.98	5.68	5.38	4.78	4.19
523-132122RP	132122RP	R	Right Angle Crimp Plug	LMR 195 / RG58	47-10070	5.14	4.88	4.63	4.11	3.60
523-132123RP	132123RP	R	Right Angle Crimp Plug	LMR100/RG316, 174	47-10150	5.14	4.88	4.63	4.11	3.60
523-132116RP	132116RP	S	Straight Crimp Jack	LMR 195 / RG58	47-10070	3.30	3.14	2.97	2.64	2.31
523-132117RP	132117RP	S	Straight Crimp Jack	LMR100/ RG316,174	47-10150	3.30	3.14	2.97	2.64	2.31
523-132118RP	132118RP	T	Bulkhead Crimp Jack	LMR 195 / RG58	47-10070	4.14	3.93	3.73	3.31	2.90
523-132119RP	132119RP	T	Bulkhead Crimp Jack	LMR100/ RG316,174	47-10150	3.92	3.72	3.53	3.14	2.74
523-132220RP	132220RP	T	Bulkhead Crimp Jack	RG178, 196	47-10150	4.84	4.60	4.36	3.87	3.39
523-132136RP	132136RP	U	Right Angle Jack for PC Board	- - -	- - -	5.58	5.30	5.02	4.46	3.91
523-132203RP	132203RP	V	Right Angle Bulkhead PCB Jack	- - -	- - -	7.06	6.71	6.35	5.65	4.94
523-132255RP	132255RP	W	Edge Mount PCB Jack, .062 Bds	- - -	- - -	4.70	4.47	4.23	3.76	3.29

CRIMP TOOLS WITH DIE SETS

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Cable Groups	Die Cavities	Price Each 1	5
523-47-10150	47-10150	X	RG 174/ 188/ 316/ 179/ 187/ 180/ 195/ 178/ 196	.178 / .128 / .068	48.00	45.00
523-47-10070	47-10070	X	RG 55/ 58/ 59/ 62/ 141/ 142/ 223/ 303/ 400	.255 / .213 / .068	48.00	45.00
523-47-10160	47-10160	X	.151 HEX 316/ 179/ Double Braid	.151 / .178 / .213	48.00	45.00
523-47-10210	47-10210	X	LMR 400/B9913/B9914/B7810	.429 / .118	48.00	45.00



N SERIES FOR LMR AND SEMI-RIGID CABLES

The Connex N connectors with screw coupling are fully interchangeable with N connectors made to the MIL-C-39012 specification. Designed for use in all systems where good R.F. and mechanical performance is critical, whether it be at low or high frequencies.

- Impedance: 50 ohm
- Finish: Nickel
- Frequency Range: 0-11GHz
- Body Material: Brass
- Center Contact: 3µ" Gold
- Insulation: Teflon

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each 1	10	25	100	250
523-172128	172128	A	Straight Crimp Plug	LMR 100/ RG316/U	47-10150	5.00	4.31	4.17	3.85	3.57
523-172100	172100	A	Straight Crimp Plug	LMR 195/RG58/U	47-10180	3.74	3.22	3.12	2.88	2.67
523-172214	172214	A	Straight Crimp Plug	LMR 200	47-10180	3.42	3.07	2.77	2.54	2.42
523-172135	172135	A	Straight Crimp Plug	LMR 240/8X	47-10180	4.04	3.48	3.37	3.11	2.89
523-172304	172304	A	Straight Crimp Plug	LMR 300	47-10110	3.82	3.43	3.09	2.84	2.70
523-172102H243	172102H243	A	Straight Crimp Plug	LMR 400/B9913	47-10210	4.52	4.07	3.66	3.37	3.20
523-172113H243	172113H243	B	Straight Plug, Clamp	LMR 400/B9913	- - -	5.41	4.86	4.37	4.02	3.82
523-172259	172259	A	Straight Crimp Plug	LMR 500	.600 Hex	7.22	6.49	5.84	5.38	5.11
523-172206	172206	A	Straight Crimp Plug	LMR 600	.610 Hex	9.08	7.83	7.57	6.98	6.49
523-172133	172133	C	Straight Solder Plug	.141 Semi-Rigid	- - -	3.94	3.54	3.19	2.93	2.78
523-172211	172211	C	Straight Solder Plug	.085 Semi-Rigid	- - -	4.48	4.03	3.63	3.33	3.17
523-172139	172139	C	Straight Solder Plug	.250 Semi-Rigid	- - -	4.08	3.67	3.31	3.04	2.88
523-172180	172180	D	Right Angle Crimp Plug	LMR 100/ RG316/U	47-10150	7.82	6.74	6.52	6.02	5.59
523-172177	172177	D	Right Angle Crimp Plug	LMR 195/RG58/U	47-10180	7.86	6.78	6.55	6.05	5.61
523-172215	172215	D	Right Angle Crimp Plug	LMR 200	47-10070	8.18	7.36	6.62	6.09	5.79
523-172219	172219	D	Right Angle Crimp Plug	LMR 240/8X	47-10180	7.34	6.33	6.12	5.65	5.24
523-172176	172176	D	Right Angle Crimp Plug	LMR 400/B9913	47-10210	6.44	5.79	5.22	4.79	4.55
523-172263	172263	D	Right Angle Crimp Plug	LMR 600	.610 Hex	8.00	6.90	6.67	6.15	5.71
523-172236	172236	E	Right Angle Solder Plug	.141 Semi-Rigid	- - -	6.88	6.19	5.57	5.12	4.87
523-172235	172235	E	Right Angle Solder Plug	.085 Semi-Rigid	- - -	7.14	6.42	5.78	5.32	5.05
523-172266	172266	E	Right Angle Solder Plug	.250 Semi-Rigid	- - -	8.10	7.29	6.56	6.04	5.73
523-172204	172204	F	Straight Crimp Jack	LMR 100/ RG316/U	47-10150	5.14	4.43	4.28	3.95	3.67
523-172103	172103	F	Straight Crimp Jack	LMR 195/RG58/U	47-10180	3.64	3.14	3.03	2.80	2.60
523-172216	172216	F	Straight Crimp Jack	LMR 200	47-10180	3.51	3.15	2.83	2.62	2.47
523-172148	172148	F	Straight Crimp Jack	LMR 240/8X	47-10180	3.56	3.07	2.97	2.74	2.54
523-172203	172203	F	Straight Crimp Jack	LMR 400/B9913	47-10210	3.60	3.24	2.92	2.68	2.55
523-172207	172207	F	Straight Crimp Jack	LMR 600	.610 Hex	8.30	7.16	6.92	6.38	5.93
523-172238	172238	G	Straight Solder Jack	.141 Semi-Rigid	- - -	3.56	3.21	2.88	2.65	2.52
523-172237	172237	G	Straight Solder Jack	.085 Semi-Rigid	- - -	3.56	3.21	2.88	2.65	2.52
523-172312	172312	G	Straight Solder Jack	.250 Semi-Rigid	- - -	3.80	3.42	3.08	2.83	2.69
523-172129	172129	H	Bulkhead Crimp Jack	LMR 100/ RG316/U	47-10150	5.64	4.86	4.70	4.34	4.03
523-172143	172143	I	Bulkhead Jack, Clamp	LMR 100/ RG316/U	- - -	6.51	5.85	5.26	4.84	4.61
523-172106	172106	H	Bulkhead Crimp Jack	LMR 195/RG58/U	47-10180	5.68	4.90	4.73	4.37	4.06
523-172149	172149	H	Bulkhead Crimp Jack	LMR 240/8X	47-10180	5.40	4.66	4.50	4.15	3.86
523-172220	172220	H	Bulkhead Crimp Jack	LMR 400/B9913	47-10210	5.78	5.20	4.68	4.31	4.09
523-172264	172264	H	Bulkhead Crimp Jack	LMR 600	.610 Hex	11.42	9.84	9.52	8.78	8.16
523-172137	172137	J	Bulkhead Solder Jack	.141 Semi-Rigid	- - -	5.68	5.11	4.61	4.23	4.02
523-172138	172138	J	Bulkhead Solder Jack	.085 Semi-Rigid	- - -	5.64	5.07	4.56	4.21	3.99
523-172153	172153	J	Bulkhead Solder Jack	.250 Semi-Rigid	- - -	6.34	5.70	5.13	4.72	4.48

TNC SERIES FOR LMR AND SEMI-RIGID CABLES

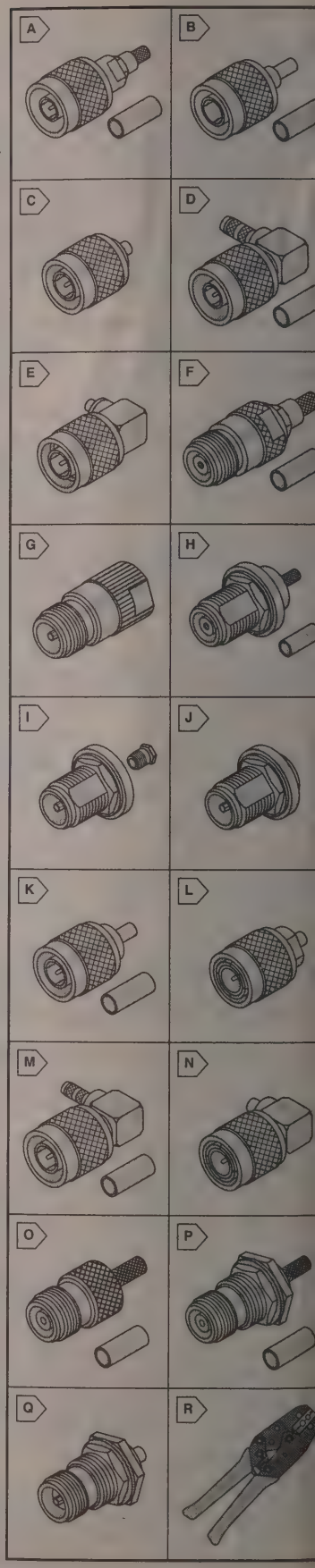
The Connex TNC connector is a medium size coaxial connector with thread coupling made to a high quality level. All 50Ω TNC connectors are intermatable with 75Ω TNC connectors.

- Impedance: 50 ohm
- Body Material: Brass
- Insulation: Delrin (or Teflon*)
- Frequency Range: 0-11 GHz
- Finish: Nickel
- Center Contact: 3µ" Gold

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each 1	10	25	100	250
523-122116	122116	K	Straight Crimp Plug	LMR 100/ RG316/U	47-10070	1.86	1.60	1.55	1.43	1.33
523-122108	122108	K	Straight Crimp Plug	LMR 100/ RG58/U	47-10070	1.46	1.26	1.22	1.12	1.04
523-122410	122410	K	Straight Crimp Plug	LMR 200	47-10070	1.41	1.26	1.14	1.04	.99
523-122408	122408	K	Straight Crimp Plug	LMR 240/8X	47-10070	1.68	1.45	1.40	1.29	1.20
* 523-122393	122393	K	Straight Crimp Plug	LMR 400/B9913	47-10210	4.86	4.37	3.94	3.62	3.44
* 523-122386	122386	L	Straight Solder Plug	.141 Semi-Rigid	- - -	2.69	2.43	2.19	2.01	1.91
* 523-122387	122387	L	Straight Solder Plug	.085 Semi-Rigid	- - -	2.88	2.59	2.33	2.14	2.03
* 523-122484	122484	L	Straight Solder Plug	.250 Semi-Rigid	- - -	2.12	1.91	1.72	1.58	1.50
523-122148	122148	M	Right Angle Crimp/Solder Plug	LMR 100/ RG316/U	47-10150	3.46	2.98	2.88	2.66	2.47
523-122140	122140	M	Right Angle Crimp/Solder Plug	LMR 100/ RG58/U	47-10070	3.16	2.72	2.63	2.43	2.26
* 523-122414	122414	M	Right Angle Crimp/Solder Plug	LMR 240/8X	47-10070	4.70	4.05	3.92	3.62	3.36
523-122416	122416	M	Right Angle Crimp/Solder Plug	LMR 400/B9913	47-10210	4.52	4.07	3.66	3.37	3.19
* 523-122422	122422	N	Right Angle Solder Plug	.141 Semi-Rigid	- - -	4.89	4.41	3.97	3.65	3.46
* 523-122420	122420	N	Right Angle Solder Plug	.085 Semi-Rigid	- - -	4.22	3.79	3.42	3.15	2.98
523-122138	122138	O	Straight Crimp Jack	LMR 100/ RG316/U	47-10150	1.94	1.67	1.62	1.49	1.39
* 523-122122	122122	O	Straight Crimp Jack	LMR 100/ RG58/U	47-10070	1.86	1.60	1.55	1.43	1.33
523-122409	122409	O	Straight Crimp Jack	LMR 240/8X	47-10070	3.76	3.24	3.13	2.89	2.69
* 523-122392	122392	O	Straight Crimp Jack	LMR 400/B9913	47-10210	4.06	3.65	3.29	3.02	2.87
523-122192	122192	P	Bulkhead Crimp Jack	LMR 100/ RG316/U	47-10150	3.04	2.62	2.53	2.34	2.17
* 523-122160	122160	P	Bulkhead Crimp Jack	LMR 100/ RG58/U	47-10070	3.04	2.62	2.53	2.34	2.17
* 523-122415	122415	P	Bulkhead Crimp Jack	LMR 240/8X	47-10070	3.92	3.38	3.27	3.02	2.80
523-122405	122405	P	Bulkhead Crimp Jack	LMR 400/B9913	47-10210	4.52	4.07	3.66	3.37	3.19
* 523-122401	122401	Q	Bulkhead Solder Jack	.141 Semi-Rigid	- - -	3.02	2.72	2.45	2.25	2.14
* 523-122400	122400	Q	Bulkhead Solder Jack	.085 Semi-Rigid	- - -	3.18	2.86	2.58	2.37	2.25
* 523-122489	122489	Q	Bulkhead Solder Jack	.250 Semi-Rigid	- - -	6.64	5.97	5.38	4.94	4.70

CRIMP TOOLS WITH DIE SETS

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Cable Groups	Die Cavities	Price Each 1	5
523-47-10150	47-10150	R	RG 174/ 188/ 316/ 179/ 187/ 180/ 195/ 178/ 196	.178 / .128 / .068	48.00	45.00
523-47-10070	47-10070	R	RG 55/ 58/ 59/ 62/ 141/ 142/ 223/ 303/ 400	.255 / .213 / .068	48.00	45.00
523-47-10180	47-10180	R	5 Cavity RG 58/ 59 N, BNC, TNC, SMA	.255 / .213/ .100/ .068/ .052	48.00	45.00
523-47-10110	47-10110	R	RG6/ 59/ B8281	.324 / .255 / .068 / .042	48.00	45.00
523-47-10210	47-10210	R	LMR 400/ B9913/ B9914/ B7810	.429/ .118	48.00	45.00
523-47-4009-20	47-4009-20	–	Crimp Tool without Die	- - -	238.46	226.54
523-47-4009-01	47-4009-01	–	Die for LMR 600	.610 Hex	76.92	73.12



FX BNC COMMERCIAL CONNECTORS

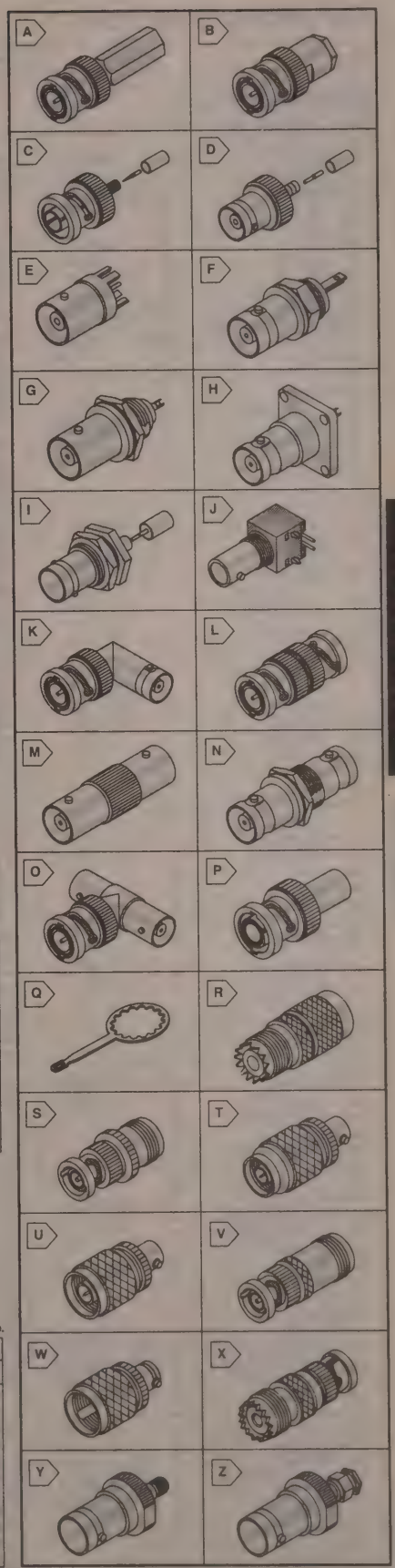
npedance: 50 to 75 Ohm
requency Range: 0-4 GHz
emperature Range: -55° to 85°C

- Voltage Rating: 500 Volts Peak
- Mating: 2 stud Bayonet Coupling
- RFX: Low cost commercial version

For quantities of 500 and up, call for quote.

MOUSER STOK NO. / Mfr. Mfr. Part No.	Fig.	Imp.	Cable Attachment Outer-Inner	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
traight Plugs - Cable Clamp Type									
23—31-5136RFX	A	50	Suretwist®	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	-----	2.20	1.71	1.38	1.18
23—31-5137-RFX	A	50	Suretwist®	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	-----	2.18	1.85	1.46	1.28
23—31-2-RFX	B	50	Clamp-Solder	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	-----	2.26	1.79	1.39	1.12
23—31-212-RFX	B	50	Clamp-Solder	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	-----	2.37	1.80	1.22	1.06
23—31-4541-RFX	B	50	Quicktrim®	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	-----	4.84	3.67	2.49	2.16
traight Plugs-Crimp Type									
23—31-5556-RFX	C	50	Crimp-Press Fit	59, 59 20 AWG	CTL-2	2.48	1.88	1.35	1.20
23—31-320-RFX	C	50	Dual Crimp	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	CTL-1	1.76	1.33	1.08	.95
23—31-321-RFX	C	50	Dual Crimp	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	CTL-1	1.76	1.33	1.08	.95
23—31-71008-RFX	C	75	Dual Crimp	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	CTL-1	1.76	1.33	1.08	.95
23—31-71008-1RFX	C	75	Dual Crimp	59, 59 20 AWG	CTL-1	1.80	1.37	1.10	.98
23—68175-5RFX	C	50	Dual Crimp	59, 59 20 AWG	CTL-1	1.45	1.22	.99	.81
23—31-315-RFX	C	50	Dual Crimp	174, 188A, 316, Belden 7805	CTL-2	2.27	1.72	1.28	1.01
23—31-71013-RFX	C	75	Dual Crimp	179, 187, Belden 9221	CTL-2	2.27	1.72	1.31	1.16
23—31-321-10RFX	C	50	Dual Crimp	Belden 8281, 88281	CTL-2	2.45	1.96	1.30	1.15
23—31-71000RFX	C	75	Dual Crimp	6, .295 Outer Diameter, Belden 1694A, 9248	CTL-2	2.96	2.25	1.71	1.45
23—36650-3RFX	C	50	Dual Crimp	Plenum 58	CTL-1	1.64	1.24	.84	.74
23—68175-11RFX	C	50	Dual Crimp	59, Plenum 59, Belden 88241, 82259, 89259	CTL-1	2.05	1.65	1.24	1.11
23—31-242-RFX	C	50	Dual Crimp	179, 187, Belden 9221	CTL-2	2.27	1.72	1.16	1.01
ight Angle Plugs-Crimp Type									
23—31-335-RFX	-	50	Dual Crimp	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	CTL-1	4.59	3.75	3.53	2.65
acks									
23—36800-RFX	D	50	Dual Crimp	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	CTL-1	1.70	1.51	1.32	.99
23—31-71014-RFX	D	75	Dual Crimp	179, 187, Belden 9221	CTL-2	2.60	1.97	1.34	1.16
23—31-5329-51RFX	E	50	PCB Mount	Vertical Jack, Silver Contact, .433" Dia. Base	-----	1.95	1.47	1.23	1.11
23—31-5329-52RFX	E	50	PCB Mount	Vertical Jack, Gold Contact, .433" Dia. Base	-----	2.10	1.62	1.31	1.17
23—31-5329-72RFX	E	75	PCB Mount	Vertical Jack, Gold Contact, .433" Dia. Base	-----	1.89	1.45	1.20	1.09
23—31-10-RFX	F	50	Solder Cup	Bulkhead Front mount, Isolated, Ground Tab	-----	2.45	2.10	1.69	1.29
23—31-221-RFX	G	50	Solder Cup	Bulkhead Front mount	-----	1.68	1.45	.91	.81
23—31-221-75RFX	G	75	Solder Cup	Bulkhead Front mount	-----	1.68	1.35	.87	.79
23—31-203RFX	H	50	Panel Mount	Square Flange 4 hole, Solder Cup	-----	3.82	2.89	1.96	1.71
23—31-318-RFX	I	50	Dual Crimp	Bulkhead , 174, 188A, 316, Belden 7805	CTL-2	4.35	3.50	2.78	2.43
23—31-245-RFX	I	50	Dual Crimp	Bulkhead , 179, 187, Belden 9221	CTL-2	3.49	3.14	2.82	2.48
23—31-342-RFX	I	50	Dual Crimp	Bulkhead , 58, 141, 303, LMR 195, Belden 7806A	CTL-1	3.41	2.58	2.32	1.81
23—31-343-RFX	I	50	Dual Crimp	Bulkhead , 59, 62, 140, 210, 8241, 8263 8279, 9209	CTL-1	4.10	3.06	2.54	2.18
23—31-71011-RFX	I	75	Dual Crimp	Bulkhead , 59, 62, 140, 210, 8241, 8263, 8279, 9209	CTL-1	4.27	3.81	2.82	2.41
23—31-71016-RFX	I	75	Dual Crimp	Bulkhead , 179, 187, Belden 9221	CTL-2	3.99	3.03	2.05	1.81
23—31-5538-10-RFX	J	50	PCB Bulkhead	Right Angle Jack, Black Valox, Fork Pins	-----	2.09	1.66	1.35	1.28
23—31-5431-10RFX	J	50	PCB Bulkhead	Right Angle Jack, White Valox, Fork Pins	-----	2.09	1.66	1.35	1.28
Adapters									
23—31-9-RFX	K	50	Jack to Plug	Right angle	-----	5.29	4.01	3.60	2.76
23—31-218-RFX	L	50	Plug to Plug	BNC Straight Adapter	-----	3.30	2.72	2.18	1.69
23—31-218-75RFX	L	75	Plug to Plug	BNC Straight Adapter	-----	4.28	3.24	2.19	1.91
23—31-219-RFX	M	50	Jack to Jack	BNC Straight Adapter	-----	3.21	2.80	2.10	1.99
23—31-220N-RFX	N	50	Jack to Jack	BNC Bulkhead Adapter, Non-sealed	-----	3.74	2.84	1.94	1.78
23—31-220G-RFX	N	50	Jack to Jack	BNC Bulkhead Adapter, Gasketed	-----	4.08	3.09	2.09	1.93
23—31-4803-RFX	N	50	Jack to Jack	Isolated Bulkhead, Max. panel depth: .187"	-----	2.97	2.59	1.98	1.87
23—31-220N-75RFX	N	75	Jack to Jack	BNC Bulkhead Adapter, Non-sealed	-----	3.74	2.84	1.94	1.78
23—31-208-RFX	O	50	Jack-Plug-Jack	BNC Tee	-----	4.69	3.55	2.40	2.09
23—46650-51RFX	P	50	Terminator	Male cap, Resistor Terminated, 1% 1 watt	-----	2.59	1.96	1.44	1.25
23—46650-75RFX	P	75	Terminator	Male cap, Resistor Terminated, 1% 1 watt	-----	2.59	1.96	1.44	1.25
23—46650-93RFX	P	93	Terminator	Male cap, Resistor Terminated, 1% 1 watt	-----	2.59	2.33	2.09	1.88
23—31-10152RFX	Q	50	Hardware	Grounding lug	-----	.59	.45	.33	.27

* Amphenol CTL Crimp Tools



ADAPTERS, BETWEEN SERIES

RFX: Low cost commercial version

For quantities of 500 and up, call for quote.

MOUSER STOK NO. / Mfr. Mfr. Part No.	Fig.	MIL Type	Plating Body/Contact	Description	Price Each 1	10	25	100
523—4400	R	UG-146/U	Silver/Gold	N Plug to UHF Jack	15.98	13.50	12.15	11.69
523—79025	S	-----	Nickel/Silver	BNC Plug to TNC Jack	30.77	28.50	25.65	22.80
523—79675	T	-----	Nickel/Silver	BNC Jack to TNC Plug	26.87	24.54	18.31	17.79
523—31-216	U	UG-201A/U	Nickel/Silver	BNC Jack to N Plug	12.29	9.82	6.67	6.09
523—31-216-RFX	U	UG-201A	Nickel/Silver	BNC Jack to N Plug	9.93	7.80	5.81	5.65
523—31-217	V	UG-349A/U	Gold/Gold	BNC Plug to N Jack	13.86	11.75	9.11	8.84
523—31-28	W	UG-273/U	Gold/Gold	BNC Jack to UHF Plug	20.59	18.81	13.79	12.25
523—2900	X	UG-255/U	Gold/Gold	BNC Plug to UHF Jack	20.52	17.14	14.25	13.20
523—901-167	Y	-----	Nickel/Gold	BNC Jack to SMA Jack	36.41	33.29	27.49	23.56
523—901-166	Z	-----	Nickel/Silver	BNC Plug to SMA Plug	39.88	36.50	30.66	26.56
523—901-165	--	-----	Nickel/Gold	BNC Plug to SMA Jack	58.76	46.07	36.62	32.19

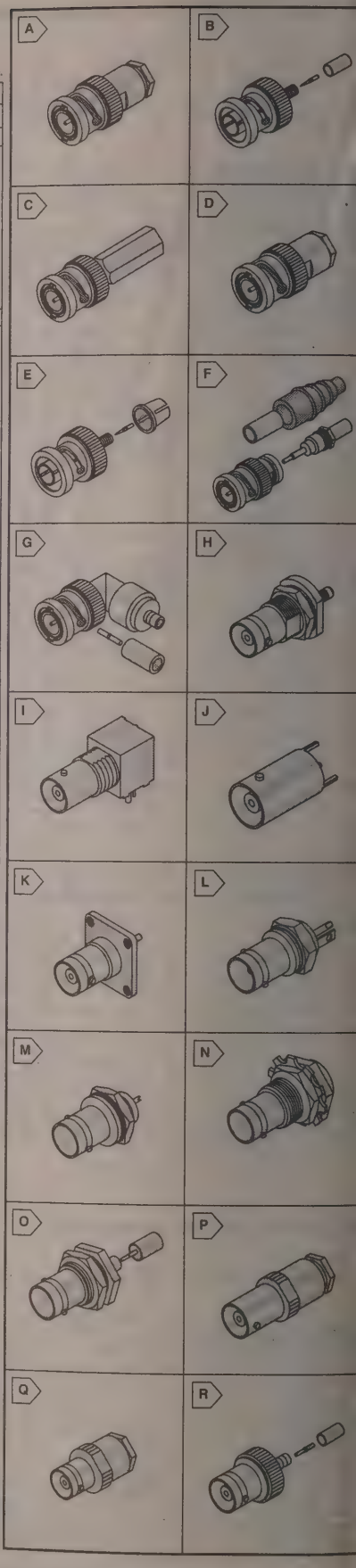
BNC COAXIAL CONNECTORS

* Amphenol CTL Crimp Tools † Hardware sold separately

- Frequency Range: 0-4 GHz
- Insulators: TFE
- Temperature Range: -65° to 165°C (TFE Insulators)
- Crimps: Hex Braid
- RFX Designation: Commercial versions with diecast and molded components.
- Mating: 2 stud Bayonet Coupling per M39012

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Imp.	MIL Type	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
Plugs - Cable Clamp										
523—31-2		A	50	UG-88/U	58, 141, 303, LMR 195, Belden 7806A	-----	4.60	3.48	3.19	2.88
523—31-12		A	50	UG-260	59, 62, 61, 140, 210, 302,	-----	7.78	6.98	6.30	5.64
523—31-202		A	50	UG-88C	55, 58, 141, 142, 223, 400	-----	4.34	3.41	2.22	2.09
523—31-212		A	50	UG-260B	59, 62, 140, 210, 8241, 8263, 8279	-----	4.46	3.99	3.61	3.25
523—31-212-1005		A	50	- - - - -	59, 59 20 AWG	-----	5.94	4.54	3.95	3.64
523—6775		A	50	UG-959/U	8, 9, 11, 213, 214	-----	13.28	11.95	10.75	10.05
523—31-3202		A	50	UG88E/U	55, 58, 141, 142, 223, 400	-----	5.97	5.21	4.47	4.17
523—31-3301		A	50	M39012/16-0101	58, 141, 142, 400	-----	8.36	5.56	3.80	3.63
523—15875		A	50	- - - - -	178, 196, .071" Outer Diameter	-----	9.97	6.34	5.15	4.61
523—69475		A	50	- - - - -	174, 188, 316, Belden 7805	-----	7.80	6.56	4.84	4.25
Plugs - 3-Piece Crimp										
523—31-242		B	50	- - - - -	179, 187, Belden 9221	CTL-2	7.74	5.86	4.98	4.09
523—31-315		B	50	- - - - -	174, 188, 316, Belden 7805	CTL-2	6.29	4.77	3.23	2.87
523—31-320		B	50	M23329/3-01,3-03	58, 141, 303, LMR 195, Belden 7806A	CTL-1	5.16	4.15	3.01	2.63
523—31-325		B	50	- - - - -	122, 180, 195, Belden 1865A, 8218	CTL-2	7.74	6.27	4.88	4.15
523—31-320-1006		B	50	- - - - -	Plenum 58, RG 122, Belden 88240, 82907	CTL-1	5.38	4.08	2.76	2.40
523—31-321		B	50	M23329/3-05	59, 62, 140, 210, 8241, 8263, 8279	CTL-1	5.81	4.40	2.98	2.60
523—31-321-1000		B	50	- - - - -	Belden 8281, 88281	CTL-1	6.62	5.07	4.26	3.61
523—31-326		B	50	M23329/3-02, 3-04	55, 142, 223, 400	CTL-1	6.78	5.14	3.48	3.30
523—31-5800		B	50	- - - - -	58, 122, 141, 303, LMR 195, 7806A, 88240, 89907	CTL-1	2.97	2.49	1.67	1.46
523—31-5900		B	50	- - - - -	59, 59 20 AWG, Belden 82108	CTL-1	2.81	2.22	1.74	1.54
523—31-4320		B	50	M39012/16-0013	58, 141, 303, LMR 195, Belden 7806A	CTL-1	5.20	4.77	4.29	3.44
523—31-4321		B	50	M39012/16-0015	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	CTL-1	6.89	5.22	3.53	3.08
523—31-70000		B	75	- - - - -	6, .295 Outer Diameter, Belden 1694A, 9248	CTL-8	5.40	4.86	4.40	4.05
523—31-70008		B	75	- - - - -	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	CTL-6	7.48	5.67	3.84	3.34
523—31-70013		B	75	- - - - -	179, 187, Belden 9221	CTL-6	8.59	8.12	6.97	6.25
523—31-71008		B	75	- - - - -	59, 62, 140, 210, 8241, 8263, 8279	CTL-1	6.10	5.49	4.94	4.44
523—31-71008-2000		B	75	- - - - -	Plenum 59, Belden 88241, 82259, 89259	CTL-1	5.03	4.26	3.47	3.24
523—31-71013		B	75	- - - - -	RG 179, 187, Belden 9221	CTL-2	5.27	3.89	2.82	2.41
523—31-71032		B	75	- - - - -	Belden 8281	CTL-2	4.38	3.32	2.25	1.95
523—31-71033		B	75	- - - - -	Belden 8218, 88281	CTL-2	4.17	3.42	2.34	2.15
523—31-5558-RFX		B	50	- - - - -	6	CTL-2	2.94	2.15	1.89	1.63
523—36775		B	50	- - - - -	58, 141	CTL-1	5.81	4.40	3.94	3.23
523—36875		B	50	- - - - -	55, 142, 223, 400	CTL-1	5.87	4.29	3.77	3.25
523—68175		B	50	- - - - -	59, 140, 210, 302	CTL-1	5.28	4.00	3.60	2.98
523—68175-1003		B	50	- - - - -	Belden 9259	CTL-1	6.05	4.28	3.13	2.77
523—68175-1004		B	50	- - - - -	59, 62, 140, 210, 302	CTL-1	5.41	4.10	3.62	3.08
523—68175-1005		B	50	- - - - -	59, 62, 140, 210, 8241, 8263, 8279	CTL-1	5.85	4.43	3.78	3.21
523—31-335		G	50	- - - - -	58, 141, 303, LMR 195, Belden 7806A	CTL-1	21.84	19.87	17.88	16.74
523—31-335-RFX		G	50	- - - - -	58, 141, 303, LMR 195, Belden 7806A	CTL-1	4.59	3.75	3.53	2.65
523—31-371		F	50	- - - - -	174, 188, 316, Belden 7805	-----	15.72	11.91	8.06	7.56
Plugs - SURETWIST®, QUICKTRIM®, AND FCP										
523—31-5136		C	50	- - - - -	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	-----	6.48	5.40	3.74	3.25
523—31-5137		C	50	- - - - -	58, 141, 303, LMR 195, Belden 7806A	-----	7.25	5.49	4.94	4.60
523—31-4541		D	50	- - - - -	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	-----	9.24	7.40	7.09	6.89
523—31-4542		D	50	- - - - -	Belden 9268, IBM 1836447	-----	8.55	6.48	4.39	3.82
523—31-4700		E	50	- - - - -	58, 141, 303, LMR 195, Belden 7806A	-----	6.57	4.97	4.17	3.62
523—31-4702		E	50	- - - - -	59	-----	7.59	5.27	4.59	4.04
Jacks										
523—31-342		H	50	M23329/3-15, 3-17	58, 141, 303, LMR 195, 7806A	CTL-1	9.59	8.01	7.20	6.81
†523—31-5431		I	50	- - - - -	Standard Height, White Valox, Round Pins	-----	5.94	4.50	3.05	2.66
†523—31-5431-1010		I	50	- - - - -	Standard Height, White Valox, Fork Pins	-----	5.93	4.49	3.04	2.78
†523—31-5486		I	50	- - - - -	Low Profile, White Valox, Round Pins	-----	5.94	4.50	3.37	2.93
†523—31-5486-1010		I	50	- - - - -	Low Profile, White Valox, Fork Pins	-----	5.94	4.50	3.05	2.66
523—31-5538		I	50	- - - - -	Standard Height, Black Valox, Round Pins	-----	5.97	5.11	4.59	3.51
†523—31-5540		I	50	- - - - -	Low Profile, Black Valox, Round Pins	-----	5.94	4.50	3.05	2.66
†523—31-5640		I	50	- - - - -	Standard Height, Metal , Round Pins	-----	6.20	4.70	3.18	2.77
†523—31-5640-1010		I	50	- - - - -	Standard Height, Metal , Fork Pins	-----	6.20	4.70	3.18	2.77
523—31-71047-1010		I	75	- - - - -	Standard Height, White Valox, Fork Pins	-----	4.68	4.08	3.67	3.30
523—31-5329		J	50	- - - - -	Vertical PCB, 3 Legs, Blunt Post	-----	6.73	5.10	3.45	3.24
523—31-203		K	50	UG-290A/U	4 Hole Square Flange Mount	-----	7.38	5.59	4.10	3.56
523—31-10		L	50	- - - - -	Isolated Bulkhead, Solder Cup & Ground Tab	-----	4.97	4.10	2.98	2.54
523—31-10-75		L	75	- - - - -	Isolated Bulkhead, Solder Cup & Ground Tab	-----	6.38	5.26	4.85	4.45
523—31-238		M	50	UG-912/U	Front Mnt. ,Hermetic, Tooth Washer	-----	14.89	13.45	12.31	11.19
523—31-4237		M	50	M39012/24-0001	Rear Mnt. ,Hermetic, Tooth Washer	-----	9.40	8.46	7.61	6.10
523—31-70018		M	75	- - - - -	Bulkhead, Solder Cup	-----	8.63	7.77	6.99	6.72
523—31-102		M	50	UG-657/U	Bulkhead, Solder Cup	-----	6.44	5.25	4.30	3.74
523—31-206		N	50	UG-909/U	55, 142, 223, 400 / Bulkhead Cable Clamp	-----	7.89	6.48	5.12	4.19
523—86350		N	50	- - - - -	174, 188, 316, 7805 / Bulkhead Cable Clamp	-----	11.89	10.59	9.53	8.39
523—31-318		O	50	- - - - -	174, 188, 316, Belden 7805 / Bulkhead Crimp	CTL-2	9.50	8.60	6.89	6.20
523—31-221		M	50	UG-1094/U	Front Mount, Bulkhead, Solder Cup	-----	2.69	2.04	1.53	1.44
523—31-2221		M	50	UG-1094A/U	Front Mount, Bulkhead, Solder Cup	-----	3.90	2.61	1.94	1.71
523—31-236		M	50	UG-625B/U	Front Mount, Bulkhead, Solder Cup	-----	2.99	2.27	1.68	1.50
523—5575		M	50	UG-625/U	Front Mount, Bulkhead, Solder Cup	-----	4.67	3.54	2.98	2.75
†523—31-5		P	50	UG-89	58, 141, 303, LMR 195, Belden 7806A	-----	6.31	4.78	3.89	3.45
†523—31-15		Q	50	UG-261/U	59, 62, 140, 210, 8241, 8263,8279	-----	9.07	7.51	5.63	4.92
523—31-317		R	50	- - - - -	174, 188, 316, Belden 7805	CTL-2	12.44	9.42	7.26	6.53
523—31-5652		--	--	- - - - -	Hex Nut for PCB Bulkhead Jacks	-----	1.05	.80	.54	.47
523—31-5653		--	--	- - - - -	Lockwasher for PCB Bulkhead Jacks	-----	1.07	.81	.55	.48



IC ADAPTERS AND ACCESSORIES

equency Range: 0-4 GHz
sulators: TFE
mperature Range: -65° to 165°C (TFE Insulators)

- Crimps: Hex Braid
- RFX Designation: Commercial versions with diecast and molded components.
- Mating: 2 stud Bayonet Coupling per M39012

For quantities of 500 and up, call for quote.

OUSER STOCK NO. / Mfr. Part No.	Fig.	Imp.	MIL Type	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
3—31-218	A	50	UG-491A/U	Adapter, BNC plug to BNC plug	-----	9.75	7.39	6.58	6.02
3—31-219	B	50	UG-914/U	Adapter, BNC jack to BNC jack	-----	5.64	4.27	3.57	3.06
3—31-70019	B	75	-----	Adapter, BNC jack to BNC jack	-----	6.27	4.75	4.13	3.39
3—31-9	C	50	UG-306/U	Adapter, 90° BNC jack to BNC plug	-----	13.98	10.59	8.67	7.51
3—31-209	C	50	UG-306A/U	Adapter, 90° BNC jack to BNC plug	-----	13.11	11.32	9.50	8.05
3—31-220H	D	50	UG-492A/U	Sealed bulkhead adapter jack to jack	-----	8.40	7.28	6.55	5.29
3—31-220N	D	50	-----	Adapter, bulkhead jack to jack	-----	8.04	6.31	5.67	4.90
3—31-3220	D	50	UG-4920/U	Adapter, bulkhead jack to jack	-----	12.26	9.29	8.36	7.65
3—31-4803	D	50	-----	Adapter, bulkhead mount jack to jack	-----	13.51	10.24	6.94	6.52
3—31-8	E	50	UG-274/U	Adapter, TEE-BNC jack-plug-jack	-----	13.26	10.04	8.77	7.61
3—31-208	E	50	UG-274A/U	Adapter, TEE-BNC jack-plug-jack	-----	11.03	8.35	6.91	5.99
3—35650-75	F	75	-----	Cap-resistor term. with chain	-----	16.70	12.65	10.75	9.45
3—46650-51	F	51	-----	Cap-resistor term. without chain	-----	13.52	11.41	10.83	10.16
3—31-6	G	50	CW-123/U	Male Cap & Chain	-----	4.37	3.68	3.16	2.72
3—31-17	G	--	CW-159/U	Male shorting cap and chain	-----	7.96	6.03	4.59	4.02
3—31-759	H	50	IBM-2245373	Shield, grounding lug	-----	.62	.47	.32	.31

Amphenol CTL Crimp Tools

YPE N COAXIAL CONNECTORS

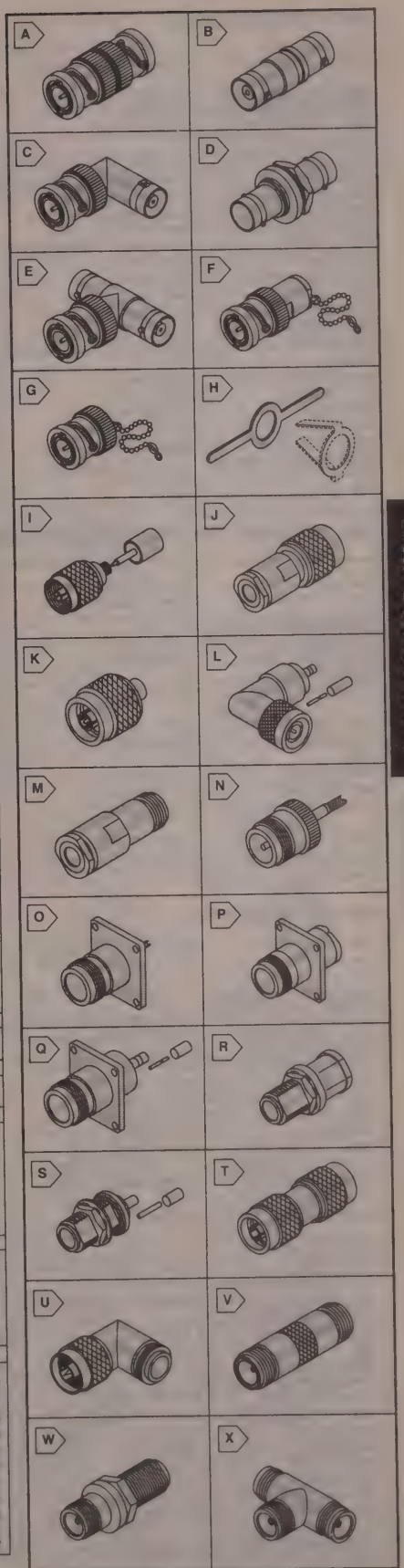
Frequency Range: 0-11 GHz
mpedance: 50 Ohm
Mating Coupling: 5/8-24 Threaded

- RFX: Low cost commercial version
- Weatherproof: Types with supplied gaskets

For quantities of 500 and up, call for quote.

OUSER STOCK NO. / Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	MIL Type	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
Straight Plugs - Crimp Type									
23—82-340	I	Dual Crimp	M39012/1B0007	8,8A,213,393	CTL-3	10.56	8.00	7.60	6.49
23—82-332	I	Dual Crimp	-----	8, 9, 87A, 214, 313, 225	CTL-3	10.65	8.88	8.43	7.78
23—82-5370	I	Dual Crimp	-----	55, 142, 223, 400	CTL-3	8.20	7.38	6.44	5.23
23—82-5375	I	Dual Crimp	-----	58,141,303, LMR195,7806A	CTL-3	7.85	6.25	5.17	4.51
23—82-5375-RFX	I	Dual Crimp	-----	58,141,303, LMR 195,7806A	CTL-3	4.58	3.47	2.35	2.11
23—82-4427	I	Dual Crimp	M39012/01-0503	55,142,223, 400	CTL-3	12.67	10.89	7.78	7.27
23—82-4425	I	Dual Crimp	M39012/01-0501	8,9,87A,214,313,225,	CTL-3	10.18	9.16	8.70	7.46
23—82-340-1052	I	Dual Crimp	-----	LMR 400,7810A,9913, 9914	CTL-11	9.21	8.25	6.38	5.94
23—82-4426-1001	I	Dual Crimp	-----	Ethernet® Times AA4478(FEP), AA4479(PVC), Belden 89880(FEP), 9880(PVC)	CTL-3	19.07	17.30	13.86	12.22
523—82-4426-11RFX	I	Dual Crimp	-----	Ethernet® Times AA4478(FEP), AA4479(PVC), Belden 89880(FEP), 9880(PVC)	CTL-3	4.99	3.84	3.03	2.67
Straight Plugs - Clamp Type									
523—82-61	J	Clamp-Solder	UG-21B	8,9,144,165,213	-----	10.10	9.12	7.94	7.16
523—82-202	J	Clamp-Solder	UG-21D/U	8,9,87A,,213,214,225,313	-----	9.90	8.52	7.66	6.90
523—82-202-1006	J	Clamp-Solder	-----	LMR 400,7810A,9913, TWB 4001	-----	8.92	6.29	5.09	4.47
523—82-202-RFX	J	Clamp-Solder	-----	8,9,87A,214,225,313	-----	5.91	4.68	2.90	2.80
523—82-312	J	Clamp-Solder	UG-1185/U	8,9,87A,214,225,313	-----	9.25	7.79	7.18	6.41
523—34025	J	Clamp-Solder	UG-536B/U	58, 141, 142A, 400	-----	8.57	7.18	6.46	6.09
523—34025-RFX	J	Clamp-Solder	-----	58, 141,303,LMR 195,7806A	-----	7.18	5.64	4.98	4.04
523—34525	J	Clamp-Solder	UG-603A/U	59, 62, 71, 140, 210	-----	28.41	25.56	23.02	20.71
523—82-6124	K	Solder-Solder	-----	401 (.250 S/R)	-----	6.31	4.35	3.69	3.14
523—82-5955-RFX	K	Solder-Solder	-----	174, 188A, 316, Belden 7805A	-----	4.22	3.99	3.54	2.72
Right Angle Plugs - Crimp Type									
523—82-5374	L	Dual Crimp	-----	55, 142, 223, 400	CTL-3	44.08	36.39	30.18	27.82
523—82-4440	L	Dual Crimp	M39012/05-0501	8,9,87A,214, 225, 313	CTL-3	29.81	27.48	25.69	23.41
Jacks - Cable									
523—82-63	M	Clamp-Solder	UG-23B/U	8,9,87A,144,165,213,214,225	-----	11.26	8.53	7.67	6.90
523—82-6092-RFX	N	Dual Crimp	-----	59, 62, 140, 210, 8241, 8263, 9209	CTL-11	3.15	2.51	2.25	1.95
Jacks - Panel - 4 Hole Square Flange									
523—82-6099-RFX	O	Solder-Solder	-----	402 (.141") S/R	-----	6.12	4.98	4.48	3.89
523—36250	P	Clamp-Solder	UG-1095A/U	55,58,141	-----	23.87	17.68	12.63	11.96
523—82-62	P	Clamp-Solder	UG-23B/U	8,9,87A,144,165,213,214,225	-----	13.48	11.94	11.34	10.77
523—82-97	O	Solder Cup	UG-58A/U	Panel Receptacle	-----	8.75	8.08	5.87	5.15
523—82-97-RFX	O	Solder Cup	-----	Panel Receptacle	-----	4.62	3.29	2.94	2.66
523—82-24	O	Solder Cup	UG-58	Panel Receptacle	-----	8.16	7.34	5.56	5.30
523—82-5372	Q	Dual Crimp	-----	Panel Receptacle, 55, 141, 142	CTL-3	14.20	12.78	10.21	9.18
Jacks - Bulkhead									
523—35275	R	Clamp-Solder	UG-556B/U	55, 58, 141, 142, 223	-----	65.68	61.58	57.47	53.37
523—82-5373	S	Dual Crimp	-----	55,142-223,400	CTL-3	11.09	8.40	5.68	5.23
523—82-5378	S	Dual Crimp	-----	58,141,303, LMR 195, 7806A	CTL-3	20.85	18.01	15.97	13.87
523—82-5378-RFX	S	Dual Crimp	-----	58,141,303, LMR 195, 7806A	CTL-3	4.11	3.03	2.93	2.63
523—82-6093-RFX	S	Dual Crimp	-----	174, 188A, 316, 7805A	CTL-13	5.97	5.47	4.70	4.19
523—82-6097-RFX	S	Solder-Solder	-----	402 (.141") S/R	-----	6.09	5.21	4.08	3.62
Adapters and Accessories									
523—82-100	T	Plug to Plug	UG-57B/U	Straight, Silver Plated	-----	15.28	10.52	7.29	6.77
523—82-100-RFX	T	Plug to Plug	UG-57B/U	Straight, Nickel Plated	-----	7.81	5.93	5.23	4.69
523—82-101	V	Jack to Jack	UG-29B/U	Straight, Nickel Plated	-----	11.03	9.93	8.93	8.01
523—82-101-RFX	V	Jack to Jack	UG-29B/U	Straight, Nickel Plated	-----	4.78	3.62	3.07	2.76
523—82-65	V	Jack to Jack	UG-29A/U	Straight, Nickel Plated	-----	9.85	9.01	8.55	7.88
523—82-64	U	Jack to Plug	UG-27A/U	Right Angle, Mitre Body	-----	29.17	22.45	17.05	15.24
523—82-64-RFX	U	Jack to Plug	-----	Right Angle, Cubic Body	-----	12.50	11.25	9.44	8.69
523—82-213	U	Jack to Plug	UG-27C/U	Right Angle, Cubic Body	-----	23.02	20.59	18.10	14.54
523—82-66	W	Jack to Jack	UG-30/U	Bulkhead, Pressurized	-----	20.09	18.96	16.11	13.90
523—82-99	X	Jack-Jack-Jack	UG-28A/U	Tee Adapter	-----	57.22	51.46	43.77	39.92
523—82-106	--	Male Cap	-----	End Male Cap and Chain	-----	12.78	11.50	10.35	9.31
523—82-5722-RFX	--	Terminator	-----	Male Cap Resistor, 5%, 1 Watt	-----	4.97	4.25	3.59	2.97

* Amphenol CTL Crimp Tools



TNC CONNECTORS

- Impedance: 50 Ohm
- Frequency Range: 0-11 GHz
- Temperature Range: -65° to 165°C
- Voltage Rating: 500 Volts Peak
- Mating: 7/16 Threaded Coupling
- RFX: Low cost commercial version

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	MIL Type	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
Straight Plugs										
523—31-2373		A	Dual Crimp	M23329/4-02,4-04	55,142,223,400	CTL-1	5.71	4.89	3.67	3.13
523—31-4452		A	Dual Crimp	M39012/26-0503	55, 142, 223, 400 (Silver Plating)	CTL-1	8.75	7.42	6.25	5.74
523—31-2367		A	Dual Crimp	M23329/4-01,4-03	58/A/C,141,303,LMR 195,7806A	CTL-1	6.38	4.84	4.23	3.27
523—31-2367-RFX		A	Dual Crimp	-----	58/A/C,141,303,LMR 195,7806A	CTL-1	1.59	1.40	1.15	1.09
523—31-2315-RFX		A	Dual Crimp	-----	174,188A,316,7805	CTL-2	1.75	1.50	1.18	1.11
523—31-2368		A	Dual Crimp	M23329/4-05	59,62,140,210,8241,8263,8279	CTL-1	5.27	4.41	3.32	3.06
523—36825		A	Dual Crimp	-----	58, 141	CTL-1	5.52	4.38	3.57	2.78
523—31-6001-RFX		A	Crimp-Solder	-----	LMR 400, Belden 7810A, 8214, 9913	CTL-4	7.50	6.80	6.00	5.30
523—79875		B	Clamp-Solder	-----	55, 58, 141,142, 223, 400	-----	26.75	25.08	23.41	21.74
523—79875-RFX		B	Clamp-Solder	-----	55, 58, 141,142, 223, 400	-----	2.59	1.96	1.67	1.39
Right Angle Plugs										
523—31-2381		C	Dual Crimp	-----	55, 142, 223, 400	CTL-1	16.99	13.51	12.61	12.23
Jacks										
523—31-2300		D	Solder Cup	-----	4 Hole Square Flange	-----	7.90	6.75	5.29	4.96
523—31-2301		E	Solder Cup	-----	Bulkhead, Front Mount	-----	7.21	5.98	4.80	4.13
523—31-5660		F	PCB Mount	-----	Right Angle Bulkhead, Metal Housing	-----	10.25	8.96	8.32	5.53
523—31-2318		G	Dual Crimp	-----	Bulkhead, 174,188A,316,Belden 7805	CTL-2	9.88	8.15	7.08	6.75
523—31-2318-RFX		G	Dual Crimp	-----	Bulkhead, 174,188A,316,Belden 7805	CTL-2	2.61	2.37	2.05	1.88
Adapters and Accessories										
523—31-4804		H	Jack to Jack	-----	Bulkhead, Isolated	-----	14.47	12.09	9.19	8.50
523—78750		–	Male Cap	-----	Cap and Chain	-----	8.99	7.36	5.99	5.21

* Amphenol CTL Crimp Tools

TNC REVERSE POLARITY CONNECTORS

Reversed Center Pin Design (Will not mate with standard TNC connectors)

- Impedance: 50 Ohm
- Frequency Range: 0-14 GHz
- Temperature Range: -65° to 165°C
- Voltage Rating: 500 Volts Peak
- Mating: 7/16 Threaded Coupling

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	MIL Type	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
Straight Plugs										
523—31-5677		I	Dual Crimp	-----	58, 58A, 58C, 141, 303, LMR 195, 7806A	CTL-1	7.63	5.21	4.86	4.51
523—31-5677-1000		I	Dual Crimp	-----	55, 142, 223, 400	CTL-1	9.76	8.78	7.32	6.34
523—31-5679		I	Crimp-Solder	-----	LMR 400, Belden 7810A, 8214, 9913	-----	11.49	7.84	7.23	6.83
Jacks										
523—31-5678		J	Dual Crimp	-----	58, 58A, 58C, 141, 303, LMR 195,7806A	CTL-1	13.38	10.49	9.74	8.96
523—31-5684		J	Crimp-Solder	-----	LMR 400, Belden 7810A, 8214, 9913	-----	10.39	7.10	6.63	6.14
523—31-5685		K	Dual Crimp	-----	2 Hole Flange, 178, 196, .071 Outer Diameter	-----	16.61	14.95	13.46	12.11
523—31-5687		L	Dual Crimp	-----	Bulkhead, 58, 141, 303, LMR 195,7806A	CTL-1	12.85	10.03	8.77	7.87
523—31-5686		L	Dual Crimp	-----	Bulkhead, 178, 196, .071" O.D.	-----	13.18	9.88	7.42	6.89

* Amphenol CTL Crimp Tools

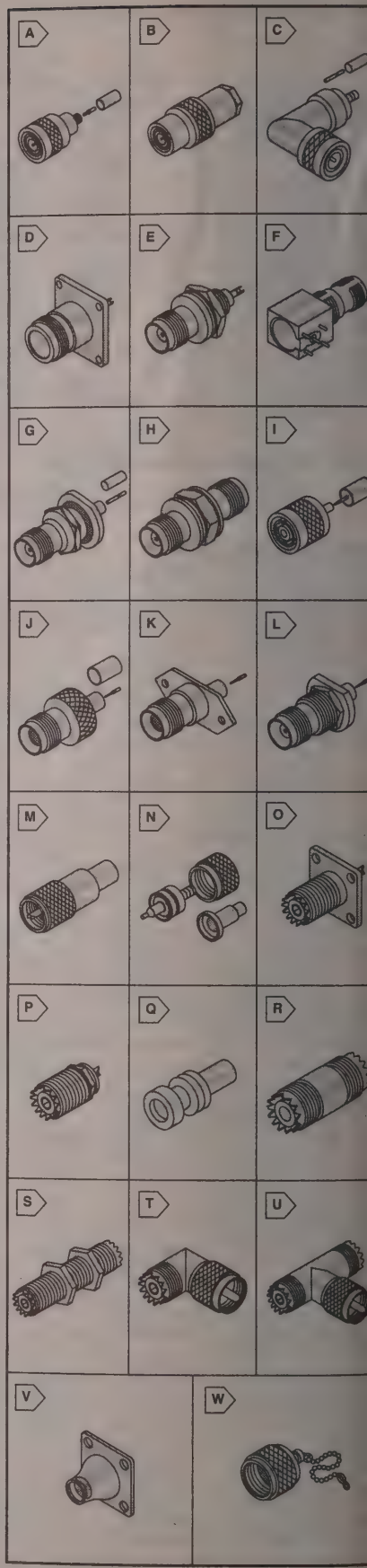
UHF CONNECTORS

- Impedance: Non-constant
- Frequency Range: 0-300 MHz
- Temperature Range: -65° to 165°C (TFE Insulators)
- Voltage Rating: 500 Volts Peak
- Mating: 5/8-24 Threaded Coupling
- RFX: Low cost commercial version

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	MIL Type	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
Straight Plugs										
523—83-1SP		M	Solder-Solder	PL-259	8, 9, 87A, 214, 313, 225	-----	3.90	2.96	2.47	2.21
523—83-1SP-1050		M	Solder-Solder	PL-259	8, 9, 87A, 214, 313, 225	-----	2.43	2.15	1.67	1.29
523—83-1SP-15RFX		M	Solder-Solder	-----	8, 9, 87A, 214, 313, 225	-----	2.11	1.69	1.17	1.03
523—83-822		M	Solder-Solder	PL-259	8, 9, 87A, 214, 313, 225	-----	4.20	3.18	2.61	2.31
523—83-750		M	Solder-Solder	UG-111/U	59, 62, 140, 210, 8241, 8279, 9209	-----	9.81	7.08	6.20	5.75
523—83-58DCP-2RFX		N	Dual Crimp	-----	58, 58A, 58C, 141, 303, LMR 195, 7806A	CTL-1	4.10	3.46	3.28	2.78
523—83-58FCP		N	FCP-Pliers	-----	58, 58A, 58C, 141, 303, LMR 195, 7806A	-----	14.09	12.68	11.41	10.33
523—83-58FCP-RFX		N	FCP-Pliers	-----	58, 58A, 58C, 141, 303, LMR 195, 7806A	-----	2.82	2.45	2.00	1.81
Panel Receptacles										
523—83-1R		O	Solder Cup	SO-239	4-Hole Square Flange, PBT Insulator	-----	3.29	2.63	2.03	1.81
523—83-1R-RFX		O	Solder Cup	-----	4-Hole Square Flange, PBT Insulator	-----	2.99	2.58	2.18	1.86
523—83-798		O	Solder Cup	SO-239A	4-Hole Square Flange, TFE Insulator	-----	5.91	5.26	3.18	2.88
Bulkhead Receptacles										
* 523—83-875-1002		P	Solder Cup	-----	Front Mount, .156" Max Panel	-----	14.94	11.59	9.70	9.21
523—83-878		P	Solder Cup	-----	Rear Mount, .187" Max Panel	-----	3.91	3.52	3.34	3.09
523—83-878-RFX		P	Solder Cup	-----	Rear Mount, .187" Max Panel	-----	3.47	3.11	2.94	2.43
Adapters and Accessories										
* 523—83-185-RFX		Q	Cable Reducer	-----	Adapts RG-55, 58,141, 142 Cable	-----	.52	.45	.35	.27
* 523—83-168-RFX		Q	Cable Reducer	-----	Adapts RG-59, 62, 71, 140, 210 Cable	-----	.55	.47	.38	.28
523—83-1J		R	Jack to Jack	PL-258	Straight Jack to Jack Adapter	-----	10.45	7.57	6.32	5.14
523—83-1F		S	Jack to Jack	UG-363/U	Bulkhead Jack to Jack, .890" Max Panel	-----	14.24	12.82	11.53	10.50
523—83-1AP		T	Jack to Plug	UG-646/U	Right Angle, Mitre Body	-----	10.21	8.85	7.06	5.84
523—83-1T		U	Jack-Plug-Jack	M-358	Tee Adapter	-----	11.83	10.64	9.57	8.88
523—83-765		V	Connect. Hood	UG-177/U	4-Hole Flange, 83-1R to RG 58, 141	-----	2.69	2.38	1.71	1.46
523—83-1H		V	Connect. Hood	UG-106/U	4-Hole Flange, 83-1R to RG 8, 10, 11, 12, 215	-----	5.08	4.43	3.98	3.74
523—83-1AC		W	Male Cap	-----	Cap and Chain	-----	13.98	12.57	11.32	9.95

* Amphenol CTL Crimp Tools



CX CONNECTORS

Impedance: 50 Ohm
Frequency Range: 0-6 GHz
• Temperature Range: -65° to 165°C
• Connector Durability: 500 matings
• Mating: Quick snap-on coupling
• 30% smaller than SMB type
• Contact Plating: Gold

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	Plating	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
Straight Plugs									
523—919-120P-51SX	A	Solder-Solder	Gold	.085" Semi Rigid, 405	-----	6.18	5.56	5.28	4.57
523—919-121P-51SX	B	Crimp-Solder	Gold	178, 196, .071" Outer Diameter	CTL-13	6.08	4.87	4.23	3.98
523—919-101P-51SX	B	Crimp-Solder	Gold	174, 188A, 316, Belden 7805	CTL-13	5.87	5.28	4.51	4.23
523—919-101P-51S1X	B	Crimp-Solder	Nickel	174, 188A, 316, Belden 7805	CTL-13	5.51	4.96	4.25	3.81
Right Angle Plugs									
523—919-103P-51AX	D	Solder-Solder	Gold	.141" Semi Rigid, 402	-----	7.91	7.11	6.40	5.85
523—919-102P-51AX	C	Solder-Solder	Gold	.085" Semi Rigid, 405	-----	7.91	7.11	6.40	5.85
523—919-122P-51AX	E	Crimp-Solder	Gold	178, 196, .071" Outer Diameter	CTL-13	8.81	7.93	6.97	5.95
523—919-104P-51AX	E	Crimp-Solder	Gold	174, 188A, 316, Belden 7805	CTL-13	6.16	5.48	4.66	4.24
523—919-104P-51A1X	E	Crimp-Solder	Nickel	174, 188A, 316, Belden 7805	CTL-13	5.98	5.21	4.42	3.97
Jacks									
523—919-114J-51SX	F	Solder-Solder	Gold	.085" Semi Rigid, 405	-----	6.02	5.41	5.15	4.48
523—919-107J-51SX	G	Crimp-Solder	Gold	174, 188A, 316, Belden 7805	CTL-13	4.74	4.26	4.05	3.51
523—919-107J-51S1X	G	Crimp-Solder	Nickel	174, 188A, 316, Belden 7805	CTL-13	4.43	3.98	3.71	3.28
523—919-109J-51PX	H	PCB Mount	Gold	Vertical, .155" Legs	-----	4.50	4.05	3.64	3.11
523—919-119J-51AX	I	PCB Mount	Gold	Right Angle, .155" Legs	-----	6.29	5.03	4.37	3.80
523—919-118J-51P	J	Vertical SMT	Gold	Surface Mount, .232" x .232" Base	-----	7.09	6.21	5.16	4.59

*Amphenol CTL Crimp Tools

MICROMATE™ MMCX CONNECTORS

Impedance: 50 Ohm
Frequency Range: 0-6 GHz
• Temperature Range: -40° to 90°C
• Connector Durability: 500 matings
• Mating: Quick snap-on coupling
• Amphenol's smallest RF connector line
• Contact Plating: Gold

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	Plating	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
Straight Plugs									
523—908-41400	K	Solder-Solder	Gold	.085" Semi Rigid, 405	-----	19.81	17.83	16.05	15.85
523—908-41200	L	Crimp-Solder	Gold	178, 196, .071" Outer Diameter	CTL-13	8.24	7.41	6.98	6.50
523—908-41300	L	Crimp-Solder	Gold	174, 188A, 316, Belden 7805	CTL-13	7.62	6.10	5.30	4.75
523—908-21100	M	End Launch	Gold	PCB , Machined Construction	-----	8.42	7.21	6.33	5.96
Right Angle Plug									
523—908-43200	N	Crimp-Solder	Gold	178, 196, .071" Outer Diameter	CTL-13	8.15	6.52	6.21	5.77
523—908-43300	N	Crimp-Solder	Gold	174, 188A, 316, Belden 7805	CTL-13	8.97	7.88	7.14	6.43
Jacks									
523—908-22106	O	PCB Mount	Gold	Vertical, Machined Construction	-----	10.45	9.41	8.93	8.07
523—908-22101	P	Vertical SMT	Gold	Surface Mount, .170" x .170" Base	-----	5.45	4.90	4.08	3.57
523—908-24100	Q	PCB Mount	Gold	Right Angle, .020" Mounting Posts	-----	11.89	10.70	9.15	7.88

*Amphenol CTL Crimp Tools

SLIMLINE MINI BNC CONNECTORS

Working Voltage: 400 VAC, peak
Impedance: 75 Ohm
Body Material: Brass with nickel or gold plating
Contact Plating: Gold
• Reduced footprint size allows 40% more connections in the same area
• Crimp/Crimp Design-Compatible to Trompeter tooling
• Same Standard Industry Installation Telco DS3 Tooling

For quantities of 500 and up, call for quote.

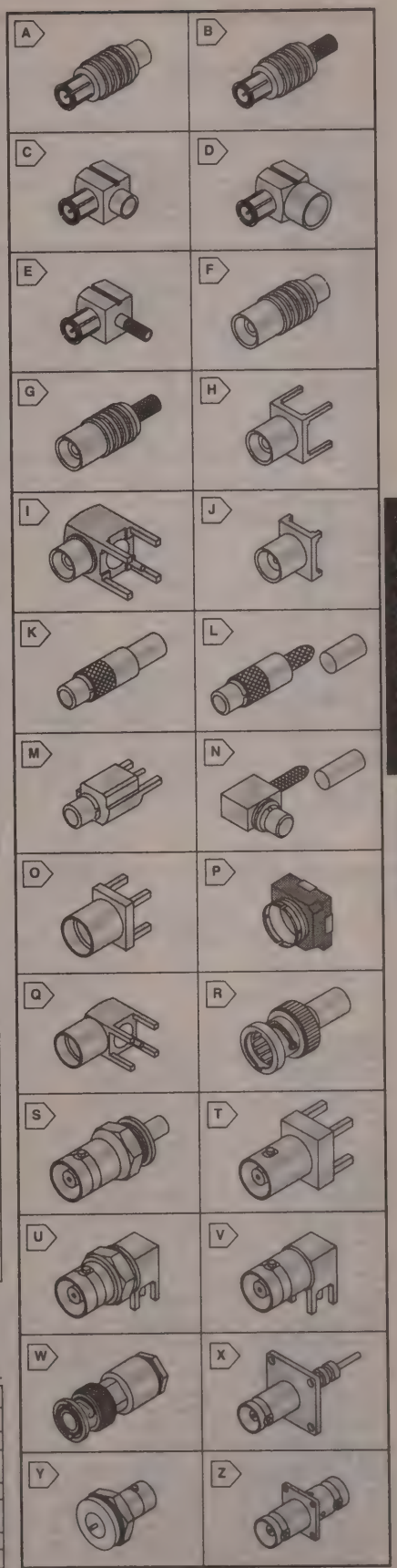
MOUSER STOCK NO. / Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	Plating	RG Cable/ Description	Price Each 1	10	25	100
Straight Plugs								
523—31-70257	R	Dual Crimp	Nickel	6, .295" Outer Diameter, Belden 1694A, 9248	7.66	7.18	6.71	6.22
523—31-70259	R	Dual Crimp	Nickel	AT&T 734, 734A, Belden 1505A	7.66	7.18	6.71	6.22
523—31-70251	R	Dual Crimp	Nickel	AT&T 735, 735A, Belden 735A1	7.66	7.18	6.71	6.22
523—31-70260	R	Dual Crimp	Nickel	Belden 8218, 88281	7.66	7.18	6.71	6.22
523—31-70261	R	Crimp-Solder	Nickel	179, 187, Belden 9221	7.41	6.95	6.48	6.01
Jacks								
523—31-70252	S	Dual Crimp	Nickel	Bulkhead, AT&T 735, 735A, Belden 735A1	5.33	4.84	4.52	4.19
523—31-70249	T	PCB Mount	Nickel	Vertical, .054" Mounting Posts	4.76	3.93	3.72	3.46
523—31-70250	T	PCB Mount	Gold	Vertical, .054" Mounting Posts	3.99	3.76	3.51	3.26
523—31-6055	U	PCB Mount	Nickel	Right Angle Bulkhead, .071" Max Panel	6.59	6.19	5.77	5.36
523—31-70255	V	PCB Mount	Nickel	Right Angle, .054" Mounting Posts	6.46	6.06	5.66	5.25

SMHV HIGH VOLTAGE WEATHER PROOF CONNECTORS

Body Plating: Brass
Contact Plating: Brass, unless noted by *Beryllium

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	MIL Type	RG Cable/ Description	Price Each 1	10	25	100
Plugs								
523—29100	W	Clamp	- - - -	55, 58, 141, 142	9.97	9.11	7.59	7.20
523—28000	W	Clamp	UG-932	59, 62, 71, 140, 210	11.89	9.92	8.92	7.24
Receptacles								
523—27000	X	Solder Cup	UG-931	4-Hole Flange, Rear Mount	11.68	10.51	9.46	8.51
523—27025	Y	Turret Contact	- - - -	Bulkhead Receptacle	27.52	26.14	23.29	19.92
Adapter								
523—12650	Z	Jack to Jack	- - - -	Square Flange Feed Through	68.75	61.87	55.68	50.95



SMA STAINLESS STEEL BODY RF CONNECTORS

- Freq. Range: 0-18GHz Semi-Rigid cable, 0-12.4GHz Flexible cable
- Impedance: 50 Ohm
- Center Contact: gold plated
- Insulators: TFE fluorocarbon
- Connector Durability: 500 matings
- Mating Coupling: .250-36 threaded coupling

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	Plating	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
Straight Plugs									
523—901-9723	A	Sold.-Plugable	Passivated Nut	.085" S/R, 405 (M17/133)	---	5.79	4.81	4.10	3.98
523—901-9808	A	Sold.-Plugable	Gold Body	.141" S/R, 402 (M17/130)	---	6.15	5.23	4.36	4.04
523—901-9511-1	B	Crimp-Solder	Gold	55, 142, 223, 400	CTL-1	8.15	7.34	6.97	6.53
523—901-9511-1SF	B	Crim -Solder	Passivated	55, 142, 223, 400	CTL-1	7.45	6.70	6.37	5.96
523—901-9511-3	B	Crimp-Solder	Gold	174, 188A, 316, 7805	CTL-13	7.81	6.89	5.67	5.20
523—901-9511-3SF	B	Crimp-Solder	Passivated	174, 188A, 316, 7805	CTL-13	6.25	5.09	4.53	4.20
523—901-9601-3	D	Crimp-Solder	Gold	174, 188A, 316, 7805	---	21.11	19.83	15.97	13.84
523—901-9601-3SF	D	Crimp-Solder	Passivated	174, 188A, 316, 7805	---	15.98	14.38	12.94	11.64
Right Angle Plugs									
523—901-9531-1	C	Crimp-Solder	Gold	55, 142, 223, 400	CTL-9	10.43	8.35	7.26	6.31
523—901-9531-1SF	C	Crimp-Solder	Passivated	55, 142, 223, 400	CTL-9	11.16	10.04	9.05	8.18
523—901-9531-3	C	Crimp-Solder	Gold	174, 188A, 316, 7805	CTL-9	12.70	11.15	9.07	7.93
523—901-9531-3SF	C	Crimp-Solder	Passivated	174, 188A, 316, 7805	CTL-9	9.08	8.19	7.21	5.90
Jacks									
523—901-9610-1SF	E	Crimp-Solder	Passivated	Bulkhead, 55, 142, 223, 400	---	23.31	20.97	19.93	18.56
523—901-9610-3	E	Crimp-Solder	Gold	Bulkhead, 174, 188A, 316, 7805	---	18.00	16.94	13.69	11.78
523—901-9610-3SF	E	Crimp-Solder	Passivated	Bulkhead, 174, 188A, 316, 7805	---	15.98	14.38	12.94	11.64
523—901-144	F	PCB Mount	Gold	Vertical, .155" Legs	---	8.93	6.80	5.91	5.14
523—901-143	G	PCB Mount	Gold	Right Angle, .155" Legs	---	10.95	8.50	7.45	6.64
523—901-143-3	G	PCB Mount	Gold	Rt. Angle, .155" Solder Dipped Legs	---	21.49	19.43	17.40	16.66
523—901-9215	H	Solder Cup	Gold	4-Hole Square Flange	---	17.80	14.69	12.94	11.90
523—901-9211	I	Solder Cup	Gold	Bulkhead, Rear Mount Hex Flange	---	24.40	22.88	21.35	19.83
523—901-9211-SF	I	Solder Cup	Passivated	Bulkhead, Rear Mount Hex Flange	---	15.73	12.61	10.96	9.53
523—901-9220	J	Blunt Post	Gold	Bulkhead, Front or Rear Mount	---	11.09	8.86	7.52	6.61
523—901-9220-SF	J	Blunt Post	Passivated	Bulkhead, Front or Rear Mount	---	9.88	8.89	8.44	7.95
523—901-9841	K	Post Terminal	Gold	Bulkhead, .250"-36 Hex Flange	---	8.51	6.80	6.12	5.53
In-Series and Between Series Adapters									
523—901-9209-A	L	SMA to SMA	Gold	Bulkhead Jack to Jack	---	15.79	12.88	10.67	8.98
523—901-9209-ASF	L	SMA to SMA	Passivated	Bulkhead Jack to Jack	---	12.83	11.74	9.18	7.64
523—901-9217	M	SMA to SMA	Gold	Straight Jack to Jack	---	39.92	37.73	35.84	34.69
523—901-167	N	BNC to SMA	Nickel	BNC Jack to SMA Jack	---	36.41	33.29	27.49	25.84
523—901-166	O	BNC to SMA	Nickel	BNC Jack to SMA Plug	---	46.12	43.88	40.58	36.94
523—901-165	--	BNC to SMA	Nickel	BNC Plug to SMA Jack	---	58.76	46.07	36.62	32.19

* Amphenol CTL Crimp Tools

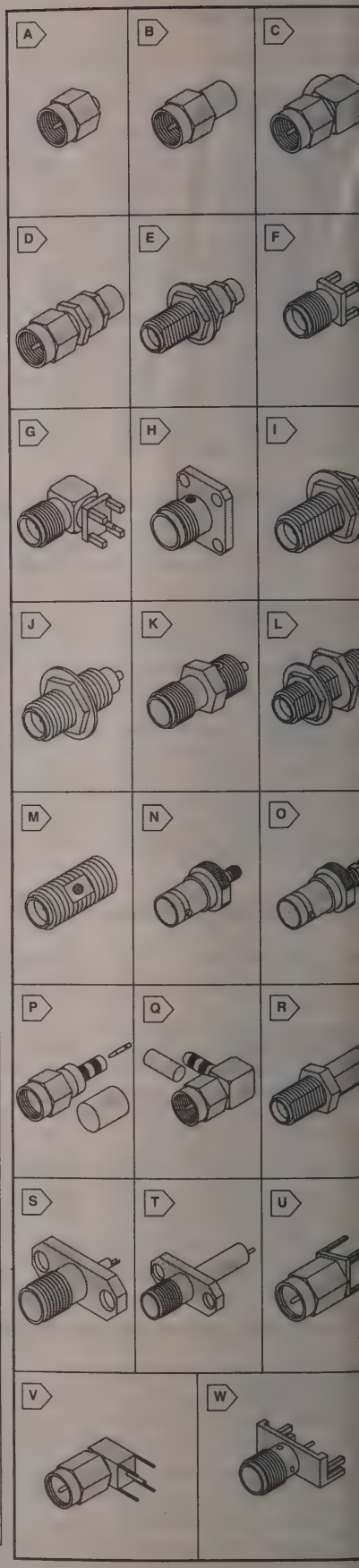
SMA BRASS BODY RF CONNECTORS

- Freq. Range: 0-18GHz Semi-Rigid cable, 0-12.4GHz Flexible cable
- Insulators: TFE fluorocarbon
- Connector Durability: 100 matings
- Impedance: 50 Ohm
- Center Contact: gold plated
- RFX: Low cost commercial version
- Mating Coupling: .250-36 threaded coupling

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	Plating	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
Straight Plugs									
523—901-9867-RFX	A	Solder-Solder	Gold	.085" S/R, 405 (M17/133)	---	3.10	2.58	2.10	1.58
523—901-9870	P	Crimp-Solder	Gold	58A/C, 141, 303, LMR 195,7806A	CTL-1	5.57	4.86	3.97	2.95
523—901-9871	P	Crimp-Solder	Gold	141, 142, 223, 303, 400	CTL-1	5.63	5.06	4.25	3.86
523—901-9876-RFX	P	Crimp-Solder	Nickel	58 A/C, 141, 303, LMR 195,7806A	CTL-1	3.25	2.80	2.25	1.68
523—901-9877-RFX	P	Crimp-Solder	Nickel	174, 188A, 316, 7805	CTL-9	3.25	2.80	2.25	1.68
523—901-9916	P	Crimp-Solder	Gold	174, 188A, 316, 7805	CTL-9	5.88	5.24	4.18	3.72
Right Angle Plugs									
523—901-9872	Q	Crimp-Solder	Gold	174, 188A, 316, 7805	CTL-9	8.92	8.13	6.32	5.44
523—901-9873	Q	Crimp-Solder	Gold	58A/C, 141, 303, LMR 195,7806A	CTL-9	9.58	8.62	7.43	6.21
523—901-9874	Q	Crimp-Solder	Gold	141, 142, 223, 303, 400	CTL-1	9.17	8.29	6.55	5.30
523—901-9880-RFX	Q	Crimp-Solder	Nickel	58A/C, 141, 303, LMR 195,7806A	CTL-1	5.38	4.63	3.80	3.30
523—901-9881-RFX	Q	Crimp-Solder	Nickel	174, 188A, 316, 7805	CTL-9	5.25	4.42	3.55	2.80
Jacks									
523—901-9875	R	Crimp-Solder	Gold	174, 188A, 316, 7805	CTL-13	8.50	7.54	6.32	4.79
523—901-9879-RFX	R	Crimp-Solder	Nickel	174, 188A, 316, 7805	CTL-13	7.15	6.17	4.89	4.01
523—901-9893-RFX	S	Solder Cup	Nickel	2-Hole Panel Receptacle	---	5.37	4.49	3.61	2.74
523—901-9891-RFX	T	Blunt Post	Nickel	2-Hole Panel Receptacle	---	6.67	5.92	4.90	3.91
523—901-9892-RFX	H	Solder Cup	Nickel	4-Hole Square Panel Flange	---	5.42	4.72	3.73	3.28
523—901-9887-RFX	H	Blunt Post	Nickel	4-Hole Square Panel Flange	---	7.59	6.51	5.25	4.76
523—901-9889-RFX	I	Solder Cup	Nickel	Bulkhead, Front Mount	---	4.68	3.85	3.64	3.05
523—901-9890-RFX	I	Solder Cup	Nickel	Bulkhead, Rear Mount	---	4.75	3.89	3.09	2.39
PCB Mount									
523—901-9895-RFX	U	PCB Plug	Gold	Vertical, .155" Legs	---	4.31	3.59	2.98	2.72
523—901-9894-RFX	V	PCB Plug	Gold	Right Angle, .155" Legs	---	7.79	6.18	5.29	4.03
523—901-144-8RFX	F	PCB Jack	Gold	Vertical, .155" Legs	---	3.45	3.05	2.47	1.92
523—901-143-6RFX	G	PCB Jack	Gold	Right Angle, .155" Legs	---	6.27	5.34	4.31	3.27
523—901-10003	W	PCB Jack	Gold	End Launch for .062" Thick PCB	---	11.03	9.87	8.69	7.94

* Amphenol CTL Crimp Tools



MPHENOL AMC CONNECTORS

nnectors for use in applications with 50Ω impedance requirements. AMC connectors are low profile (2.5mm off the board) and offer an extremely small board otprint (3mm x 3mm).

atures:
- Easy snap-on / snap-off mating
- Ultra low-profile (2.5mm mating height)
- Small footprint (3mm x 3mm)
- 100% Compatible with Hirose U.FL series **

Specifications:
- Impedance: 50 Ohm
- Frequency Range: 0-6 GHz
- V.S.W.R.: 1.3 max DC to 3 GHz, 1.4 max 3 to 6 GHz
- Temperature Range: - 40°C to +90°C
- Durability: 30 cycles
- Mating Female contact holding force: 0.15 N min
- Body Material: Silver over Phosphor Bronze

Applications:
- WLAN
- Bluetooth
- PDA
- Notebook computers
- GPS
- Portable Devices
- Remote Measuring Equipment

* Hirose and U.FL are registered trademarks of Hirose Electric U.S.A. Hirose is not in any way affiliated with the AMC product. **For quantities of 1000 and up, call for quote.**

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each 1	10	25	100	500
eceptacles								
23-A-1JA-CR *	A-1JA-CR	A	Vertical SMT Plug Receptacle (Cut Reel)	.89	.73	.64	.54	.48
dapters								
23-31-6101	31-6101	B	AMC Plug to TNC-RP Jack, 2 Hole Flange	11.39	10.40	9.41	8.91	6.93
23-31-6109	31-6109	C	AMC Plug to BNC -RP Jack, Bulkhead Front Mount	8.53	7.79	7.05	5.57	5.19
23-31-6112	31-6112	D	AMC Plug to TNC -RP Jack, Bulkhead front Mount	11.36	10.37	9.39	7.41	6.42
23-901-10097	901-10097	E	AMC Plug to SMA-RP Jack, Bulkhead Rear Mount	9.94	9.07	8.21	7.78	6.48
able Assemblies								
23-A-1PA-113-100G2	A-1PA-113-100G2	F	100 mm, Right Angle Plug Jumper, Gray Cable	2.85	2.60	2.36	1.98	1.68
23-A-1PA-113-125W2	A-1PA-113-125W2	F	125 mm, Right Angle Plug Jumper, White Cable	2.99	2.73	2.47	2.08	1.82
23-A-1PA-113-150B2	A-1PA-113-150B2	F	150 mm, Right Angle Plug Jumper, Black Cable	2.99	2.73	2.47	2.08	1.82
23-A-1PA-113-300B2	A-1PA-113-300B2	F	300 mm, Right Angle Plug Jumper, Black Cable	3.15	2.88	2.60	2.19	1.92

For full reel, call for quote.

AMPHENOL QMA CONNECTORS

MA is a quick disconnect version of the SMA connector. Instead of using a threaded coupling mechanism, a new snap-lock mechanism is used.

eatures:
- Operates at the same electrical performance as SMA
- Snap-on interface for quick and easy installation (can be installed 10x faster that SMA)
- Snap-Lock mechanism removes requirement for wrench clearance, allowing for denser packaging
- Rotatable 360° after connection

Specifications:
- Impedance: 50 Ohm
- Frequency Range: 0-6 GHz
- V.S.W.R.: 1.05 max DC to 3 GHz, 1.12 max 3 to 6 GHz
- Temperature Range: - 40°C to +80°C
- Body Material: White Bronze over Brass
- Durability: 100 cycles
- Power Handling: 125W at 40°C

Applications:
- Base Stations
- Instrumentation
- Process Controls
- Cable Assemblies
- Mil/Aero
- Telecom
- Components
- PC/LAN

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description / Cable Type	Crimp Tool	Price Each 1	10	25	100	500
Plugs									
523-930-119P-51S	930-119P-51S	G	Straight Solder Plug, .086 Semi-Rigid	-	7.26	6.53	6.17	5.90	Call
523-930-108P-51S	930-108P-51S	G	Straight Solder Plug, .141 Semi-Rigid	-	7.26	6.53	6.17	5.90	Call
523-930-120P-51S	930-120P-51S	G	Straight Crimp Plug, RG-58	CTL-1	7.40	6.66	6.29	6.05	Call
523-930-129P-51S	930-129P-51S	G	Straight Crimp Plug, RG-316	CTL-9	7.40	6.66	6.29	6.05	Call
523-930-115P-51S	930-115P-51S	G	Straight Crimp Plug, RG-316DB	CTL-13	7.40	6.66	6.29	6.05	Call
523-930-104P-51A	930-104P-51A	H	Right Angle Solder Plug, .086 Semi-Rigid	-	8.06	7.25	6.85	6.54	Call
523-930-103P-51A	930-103P-51A	H	Right Angle Solder Plug, .141 Semi-Rigid	-	8.06	7.25	6.85	6.54	Call
523-930-110P-51A	930-110P-51A	H	Right Angle Crimp Plug, RG-58	CTL-1	8.18	7.36	6.95	6.64	Call
523-930-118P-51A	930-118P-51A	H	Right Angle Crimp Plug, RG-316	CTL-9	8.18	7.36	6.95	6.64	Call
523-930-114P-51A	930-114P-51A	H	Right Angle Crimp Plug, RG-316DB	CTL-13	8.18	7.36	6.95	6.64	Call
PCB Jacks									
523-930-128J-51P	930-128J-51P	I	Right Angle Jack	-	8.28	7.45	7.04	6.62	Call
523-930-116J-51P	930-116J-51P	J	Vertical Jack Thru-Hole, .158" Legs	-	6.84	6.16	5.81	5.47	Call
523-930-107J-51P	930-107J-51P	K	Vertical Jack Surface Mount Thru-Hole	-	5.64	5.08	4.79	4.51	Call
Adapters									
523-930-100A-51S	930-100A-51S	L	QMA Jack to SMA Jack	-	54.40	48.96	46.24	Call	Call
523-930-101A-51S	930-101A-51S	M	QMA Plug to SMA Jack	-	61.90	55.71	52.62	Call	Call
523-930-130A-51S	930-130A-51S	N	QMA Plug to SMA Plug	-	68.64	61.78	58.34	Call	Call
523-930-131A-51S	930-131A-51S	O	QMA Jack to SMA Plug	-	66.40	59.76	56.44	Call	Call

AMPHENOL SMP CONNECTORS

The SMP interface is a subminiature interface in the same scale as MMCX connectors but offers a frequency range of DC to 40GHz. It is commonly used in miniaturized high frequency coaxial modules and is offered in both push-on and snap-on mating styles.

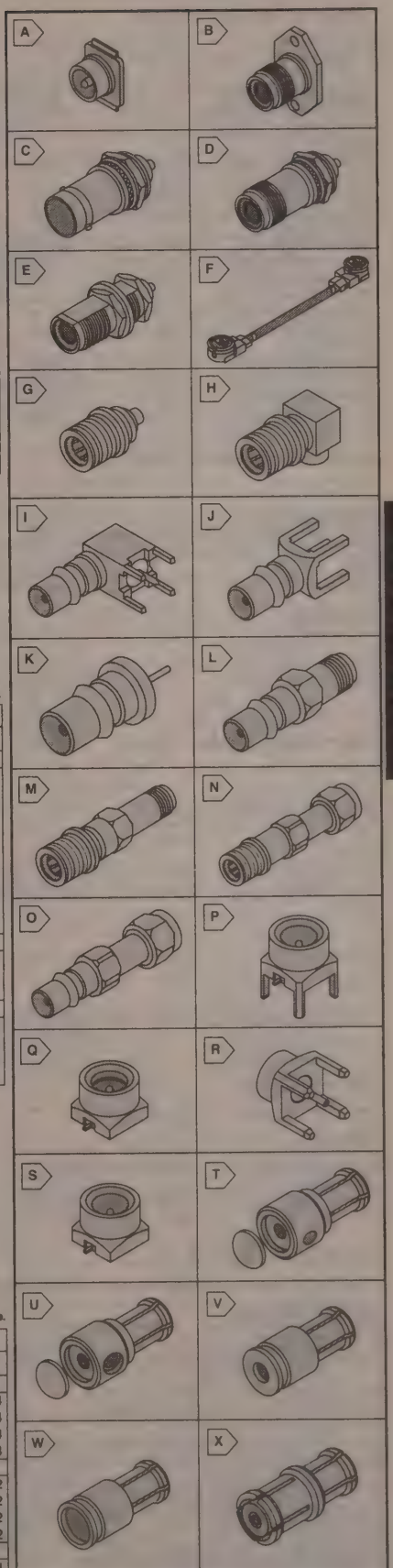
Features:
- RF performance DC to 40GHz
- Designed to accommodate both radical and axial misalignment
- Push-on and Snap-on mating styles for quick installation

Specifications:
- Impedance: 50 Ω
- V.S.W.R: 1.50 max 0-20 GHz
- Temperature Range -65°C to +155°C
- Contacts: Gold-plated brass, Gold plated beryllium copper
- Mating Cycles: 100 with full detent, 500 with limited detent
- Body Material: Gold plated brass, Gold Plated beryllium copper

Applications:
- Aerospace
- Routers
- Broadband
- Board to Board Interconnect
- Telecom
- Instrumentation
- Phased array antennas

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description / Cable	Termination	Price Each 1	10	25
Plugs							
523-SMP-MSLD-PCT	SMP-MSLD-PCT	P	Vertical PCB Plug, Thru-Hole, Limited Detent	PCB Mount	10.68	9.62	9.14
523-SMP-MSLD-PCS	SMP-MSLD-PCS	Q	Vertical PCB Plug, SMT, Limited Detent	PCB Mount	10.68	9.62	9.14
523-SMP-MSSB-PCT	SMP-MSSB-PCT	R	Vertical PCB Plug, Thru-Hole, Smooth Bore	PCB Mount	10.68	9.62	9.14
523-SMP-MSSB-PCS	SMP-MSSB-PCS	S	Vertical PCB Plug, SMT, Smooth Bore	PCB Mount	10.68	9.62	9.14
Jacks							
523-SMP-FR-C06	SMP-FR-C06	T	Right Angle Cable Jack to .047 Semi-Rigid	Solder / Solder	11.71	10.54	10.02
523-SMP-FR-C07	SMP-FR-C07	U	Right Angle Cable Jack to RG 405, .086 Semi-Rigid	Solder / Solder	11.71	10.54	10.02
523-SMP-FS-C06	SMP-FS-C06	V	Straight Cable Jack to .047 Semi-Rigid	Solder / Solder	11.71	10.54	10.02
523-SMP-FS-C07	SMP-FS-C07	W	Straight Cable Jack to RG 405, .086 Semi-Rigid	Solder / Solder	11.71	10.54	10.02
Adapters					18.66	17.73	16.84
523-SMP-FSBA-645	SMP-FSBA-645	X	Straight SMP Jack to SMP Jack				



SMB RF CONNECTORS

- Impedance: 50 Ohm
- Frequency Range: 0-4 GHz
- Center Contacts: Gold Plated
- Insulators: TFE fluorocarbon
- Connector Durability: 500 matings
- Mating: Rapid Snap-on coupling, per MIL-STD-348

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	Plating	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
Straight Plugs										
523—	903-370P-51S	A	Crimp-Solder	Nickel	174, 179, 187, 188, 316, 7805	CTL-13	6.27	5.64	5.07	4.80
523—	903-285P-51S	A	Crimp-Solder	Gold	174, 179, 187, 188, 316, 7805	CTL-13	8.95	7.16	6.23	5.88
523—	903-371P-51S	A	Crimp-Solder	Nickel	178, 196, (.071" Outer Diameter)	CTL-13	7.42	6.11	5.59	5.45
523—	903-287P-51S	A	Crimp-Solder	Gold	178, 196, (.071" Outer Diameter)	CTL-13	14.69	11.75	10.22	8.89
Right Angle Plugs										
523—	903-367P-51A	B	Crimp-Solder	Nickel	174, 179, 187, 188, 316, 7805	CTL-13	7.95	7.46	6.96	6.46
523—	903-367P-51A2	B	Crimp-Solder	Nickel (Die cast)	174, 179, 187, 188, 316, 7805	CTL-13	3.89	3.69	3.50	3.18
523—	903-289P-51A	B	Crimp-Solder	Gold	174, 179, 187, 188, 316, 7805	CTL-13	9.72	8.74	7.87	6.48
523—	903-289P-51A2	B	Crimp-Solder	Gold (Die cast)	174, 179, 187, 188, 316, 7805	CTL-13	3.93	3.14	2.73	2.38
523—	903-368P-51A	B	Crimp-Solder	Nickel	178, 196, (.071" Outer Diameter)	CTL-13	11.47	10.32	9.29	8.41
523—	903-291P-51A	B	Crimp-Solder	Gold	178, 196, (.071" Outer Diameter)	CTL-13	14.20	12.78	11.51	10.14
PCB Mount										
523—	903-415J-51P	C	PCB Jack	Gold	Vertical, .155" Legs, .250" Sq. Base	- - - -	5.98	5.36	4.84	4.24
523—	903-499J-51P2	C	PCB Jack	Gold (Die cast)	Vertical, .155" Legs, .250" Sq. Base	- - - -	3.56	2.85	2.48	2.30
523—	903-373J-51A	D	PCB Jack	Gold	Right Angle, .155" Legs, .312" Base	- - - -	5.85	4.68	4.07	3.82
523—	903-413J-51A	E	PCB Jack	Gold	Right Angle Bulkhead, .155" Legs	- - - -	11.43	10.28	9.25	8.45

* Amphenol CTL Crimp Tools

MINI-UHF CONNECTORS

- Impedance: 50 Ohm
- Frequency Range: 0-2.5 GHz
- Temperature Range: -55° to 85°C (TFE Insulators)
- Voltage Rating: 335 Volts Peak
- Mating: 3/8-24 Threaded Coupling

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	Plating Body / Contact	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
Plug										
523—	81-115N-1000	F	Crimp-Crimp	Nickel / Gold	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	CTL-5	3.15	2.84	2.55	1.67
Receptacles										
523—	81-116	G	Crimp-Crimp	Nickel / Tin-Lead	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	CTL-5	3.25	2.65	2.20	1.65
523—	81-120	H	Solder Cup	Nickel / Gold	Straight Rear Mount Bulkhead	-----	2.17	1.67	1.19	.99
523—	81-119-1007	I	PCB Mount	Nickel / Tin-Lead	Right Angle Bulkhead, .125" Max Panel Thickness	-----	5.52	4.97	4.38	3.72

* Amphenol CTL Crimp Tools

TWIN BNC CONNECTORS

- Impedance: 75 and 95 Ohm Cables
- Frequency Range: 0-100MHz
- Weatherproof: When mated
- Insulators: TFE (High Temp.) or Noryl
- Mating Coupling: two stud Bayonet Polarized

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	Plating Body / Contact	RG Cable/ Description	CTL* Tool No.	Price Each 1	10	25	100
Plugs										
523—	31-224	J	Clamp-Solder	Nickel / Gold	RG 108A, Noryl Insulator	-----	8.58	7.88	5.65	4.87
523—	31-2226	J	Clamp-Solder	Nickel / Gold	RG 108A, TFE Insulator	-----	18.01	15.30	13.92	11.64
Jacks										
523—	31-223	K	Solder Cup	Nickel / Silver	Bulkhead, Front Mount, Noryl Insulator	-----	16.90	14.24	12.54	11.18
523—	31-2225	K	Solder Cup	Nickel / Silver	Bulkhead, Front Mount, TFE Insulator	-----	17.84	14.90	13.41	10.66

* Amphenol CTL Crimp Tools

TWIN-AXIAL WEATHER PROOF CONNECTORS

- Frequency Range: 0-200 MHz
- Impedance: 78 amd 95 Ohm Cables
- RFX: Low cost commercial version
- Weatherproof: When mated
- Mating Coupling: 3/4-20 Threaded keyway polarization

For quantities of 500 and up, call for quote.

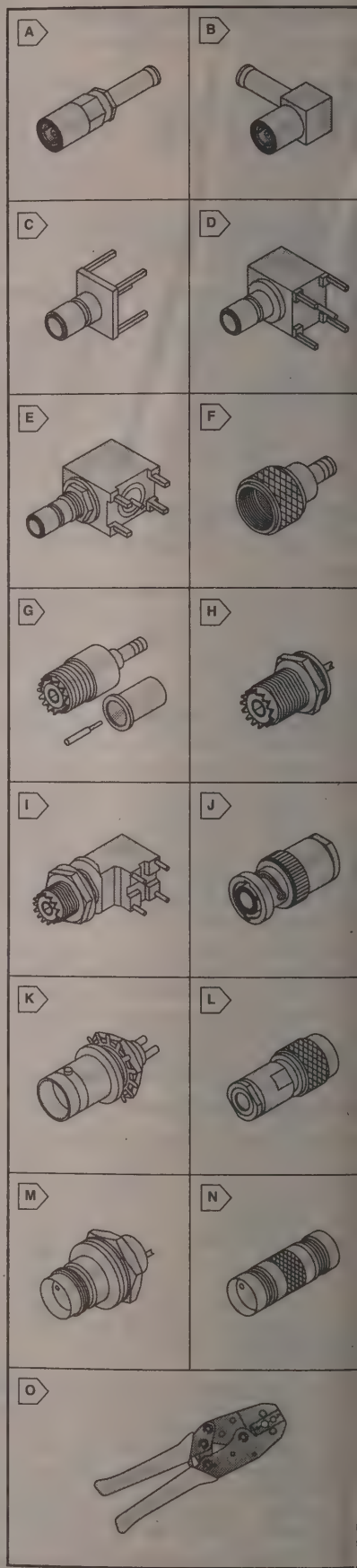
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Cable Attachment Outer-Inner	Plating Body / Contact	RG Cable/ Description	Price Each 1	10	25	100
Plugs									
523—	82-5589	L	Clamp-Solder	Nickel / Gold	Belden 9207, IBM 7362211, Times Types	10.99	9.78	6.82	5.93
523—	82-5589-RFX	L	Clamp-Solder	Nickel / Gold	Belden 9207, IBM 7362211, Times Types	6.46	5.58	4.39	3.97
Receptacles									
523—	82-5590-RFX	M	Solder Cup	Nickel / Gold	Bulkhead, Front Mount, .295" Panel	7.99	6.89	6.15	4.89
523—	82-5588-RFX	N	Jack to Jack	Nickel / Gold	Straight Barrel Adapter	6.19	4.94	4.44	4.19

CTL CRIMP TOOLS

- Amphenol CTL series crimp tools are sold complete as a handle with the die set included.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Connector Types	Cable RG-/U	Price 1
523—	CTL-1	O	BNC, TNC 3-Piece	55, 58, 59, 62, 140, 141, 142, 210, 223, 303, 400, Belden 9258, 9259, 9907, 8990, Plenum 59 and 62	59.00
523—	CTL-2	O	BNC, TNC 3-Piece	6, Plenum 58, 174, 179, 187, 188, 316, Belden 8281	59.00
523—	CTL-3	O	Type N 3-Piece	8, 11, 55, 58, 141, 142, 149, 213, 214, 223, 225, 303, 393, 400, Ethernet Cables	59.00
523—	CTL-4	O	Center Contacts of Twinax	Belden 8227, 9207, 89207, IBM 7362211 Twinax Cable	59.00
523—	CTL-5		BNC, TNC, Mini-UHF, N	55, 58, 59, 62, 140, 141, 142, 210, 223, 303, 400, Belden 9258, 9259, 9907, 89907, Plenum 59 and 62	59.00
523—	CTL-6	O	BNC, TNC 3-Piece	59, 62, 174, Plenum 59, Plenum 62	82.85
523—	CTL-8	O	BNC, TNC 3-Piece	6, 59, 62, Plenum 59, Plenum 62	264.00
523—	CTL-9	O	SMA	174, 188, 180, 360	115.90
523—	CTL-11	O	Type N 3-Piece	Belden 9913, 9914, LMR 400, 7810A	202.00
523—	CTL-13	O	MMCX, SMA, SMB	174, 178, 188, 196, 316, RD-316	138.00



BOMAR INTERCONNECT PRODUCTS, INC.

NC COAXIAL CRIMP PLUGS

High quality machined construction
Semi-captive contacts that "click" into place assuring perfect installation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Imp. Ω	Description	RG Cable Type	Price Each 1	10	25	50
78-310A205F	310A205F	A	50	3 piece, dual crimp	58/U,58C/U,141	2.18	1.82	1.73	1.64
78-310A205G	310A205G	A	50	3 piece, dual crimp	59, 62, 210	2.14	1.78	1.69	1.60
78-310A205MV	310A205MV	A	50	3 piece, dual crimp	174, 179, 196	2.45	2.04	1.94	1.84
78-310A205P	310A205P	A	50	3 piece, dual crimp	223	2.18	1.82	1.73	1.64

NC AND RCA BROADCAST CONNECTORS FOR BELDEN CABLE

HDTV Broadcast grade connectors matched for Belden cable
True 75Ω connectors made from precision machined brass
RCA Plugs are shielded with gold plated contacts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Imp. Ω	Description	Belden Cable Type	Price Each 1	10	25	50
78-SBC1505A	SBC1505A	B	75	Plug, 3 piece, dual crimp	1505A	2.06	1.72	1.63	1.55
78-SBC1694A	SBC1694A	B	75	Plug, 3 piece, dual crimp	1694A	2.06	1.72	1.63	1.55
78-SBC1855A	SBC1855A	B	75	Plug, 3 piece, dual crimp	1855A	2.06	1.72	1.63	1.55
78-SBC8281	SBC8281	B	75	Plug, 3 piece, dual crimp	8281	2.06	1.72	1.63	1.55
78-SBC7731A	SBC7731A	B	75	Plug, 3 piece, dual crimp	7731A	2.06	1.72	1.63	1.55
78-SBC8218	SBC8218	B	75	Plug, 3 piece, dual crimp	8218	2.06	1.72	1.63	1.55
78-SBC8241	SBC8241	B	75	Plug, 3 piece, dual crimp	8241	2.06	1.72	1.63	1.55
78-HBC1505A	HBC1505A	B	75	Plug, 3 piece, dual crimp	1505A (HD)	2.23	1.86	1.77	1.67
78-HBC1694A	HBC1694A	B	75	Plug, 3 piece, dual crimp	1694A (HD)	2.23	1.86	1.77	1.67
78-HBC179DT	HBC179DT	B	75	Plug, 3 piece, dual crimp	179DT (HD)	2.47	2.07	1.96	1.86
78-RBC1505A	RBC1505A	C	75	RCA Crimp Plug	1505A (HD)	2.73	2.29	2.16	2.05
78-RBC1694A	RBC1694A	C	75	RCA Crimp Plug	1694A (HD)	2.73	2.29	2.16	2.05
78-RBC1855A	RBC1855A	C	75	RCA Crimp Plug	1855A (HD)	2.73	2.29	2.16	2.05
78-HBC335R744	HBC335R744	D	75	Jack/Jack isolated panel	- - - - -	9.14	7.62	7.24	6.86
78-HBC310X075	HBC310X075	E	75	Precision 0.1% terminator	- - - - -	4.30	3.58	3.40	3.22

NC PRINTED CIRCUIT BOARD RIGHT ANGLE JACKS

50Ω versions have been approved by most U.S. manufacturers of LAN cards.
75Ω versions are in wide use in High Definition Video which require the use of a true 75Ω connector.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Imp. Ω	Description	Body Material	Price Each 1	10	25	50
678-364A595	364A595	F	50	Standard profile w/ posts	White Valox	1.51	1.26	1.20	1.13
678-364A795	364A795	F	75	Standard profile w/ posts	White Valox	1.61	1.34	1.27	1.21
678-364A595BL	364A595BL	F	50	Low Profile w/ posts	White Valox	1.61	1.34	1.27	1.21
678-364A795BL	364A795BL	F	75	Low Profile w/ posts	White Valox	1.75	1.46	1.39	1.31
678-364M595	364M595	G	50	Standard profile w/ posts	Nickel / Zinc	1.61	1.34	1.27	1.21
678-364M595L	364M595L	G	50	Low Profile w/ posts	Nickel / Zinc	1.61	1.34	1.27	1.21
678-364M595M	364M595M	H	50	Super low profile w/clips	Nickel / Zinc	2.69	2.24	2.13	2.02
678-364A2595	364A2595	I	50	X-2 Dual stacked	White Valox	7.32	6.10	5.80	5.49
678-364A2795	364A2795	I	75	X-2 Dual stacked	White Valox	8.47	7.06	6.71	6.35
678-364A2795FS	364A2795FS	I	75	X-2 Dual full shield	White Valox	8.87	7.53	6.40	5.76
678-364M2595	364M2595	J	50	X-2M Dual stacked	Nickel / Zinc	10.30	8.58	8.15	7.72
678-364M2795	364M2795	J	75	X-2M Dual stacked	Nickel / Zinc	12.02	10.02	9.52	9.02
678-364M2795FS	364M2795FS	J	75	X-2M Dual full shield	Nickel / Zinc	13.30	11.31	10.18	9.16
678-364NT	364NT	--	--	Jam nut	Nickel	.45	.42	.35	.32
678-364KNT	364KNT	--	--	Knurled nut	Nickel	.48	.45	.42	.40
678-364LW	364LW	--	--	Lock washer	Nickel	.29	.27	.25	.23

PRINTED CIRCUIT BOARD EDGE MOUNT JACKS

V-Bite™ features a award winning PCB lock-in design providing extreme anti-rotation.
E-Snap™ snaps into 2 holes in PC board and locks into place for reflow soldering.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Imp. Ω	Description	Mounting Type	Price Each 1	10	25	50
678-361V509E	361V509E	K	50	BNC w/ polyethylene insul.	V-Bite™	2.38	1.98	1.88	1.78
678-361V504ER	361V504ER	K	50	BNC w/ teflon insul.for reflow	V-Bite™	2.66	2.22	2.11	2.00
678-361V504ET	361V504ET	L	50	BNC w/ teflon insul.for reflow	V-Bite™	3.12	2.60	2.47	2.34
678-361V704ER	361V704ER	K	75	BNC w/ teflon insul.for reflow	V-Bite™	3.02	2.52	2.39	2.27
678-861V509E	861V509E	M	NCI	F, RG59	V-Bite™	2.23	1.86	1.77	1.67
678-861V509ER	861V509ER	M	NCI	F w/ teflon for reflow, RG59	V-Bite™	3.19	2.66	2.53	2.39
678-861V509ER6	861V509ER6	M	75	F w/ teflon for reflow, RG6/59	V-Bite™	3.62	3.02	2.87	2.72
678-961E504	961E504	N	50	SMA	E-Snap™	4.13	3.44	3.27	3.10
678-1261E504	1261E504	O	50	MCX	E-Snap™	4.58	3.82	3.63	3.44
678-1261E504L	1261E504L	P	50	MCX, low profile	E-Snap™	5.62	4.68	4.45	4.21

(Non constant Impedance)

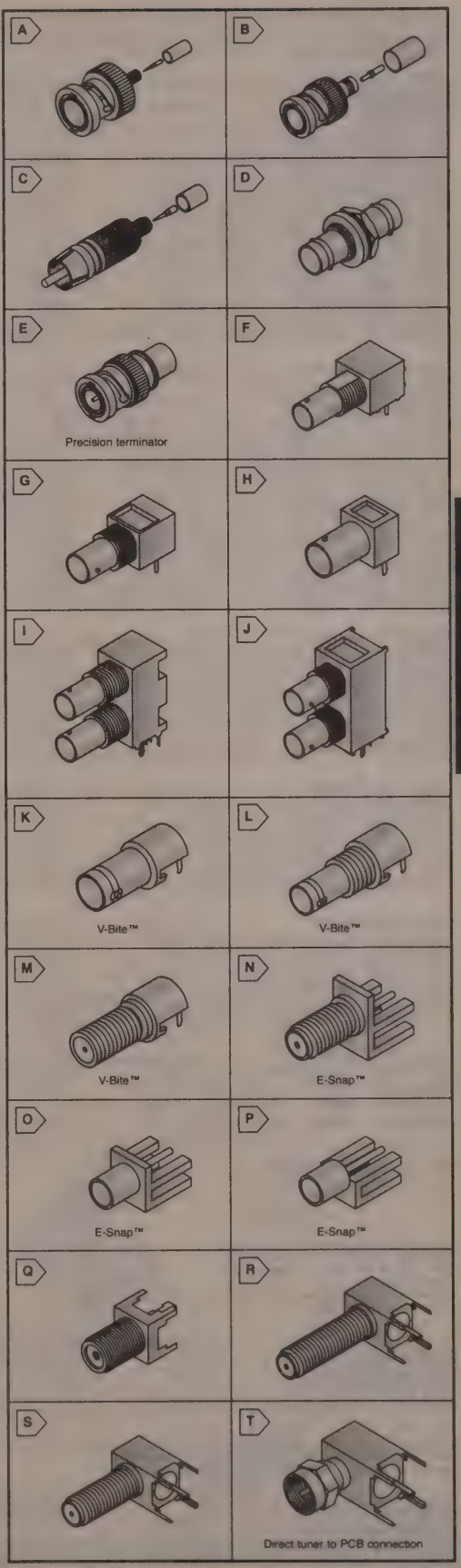
F" PRINTED CIRCUIT BOARD CONNECTORS

These general purpose brass body nickel plated connectors are widely used in Cable TV, MATV, and CCTV.

(Non constant Impedance)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Imp. Ω	Description	Mounting Type	Price Each 1	10	25	50
678-861A509	861A509	Q	NCI	Jack, straight	Vertical	.91	.76	.72	.68
678-864B509	864B509	R	NCI	Jack, long, .90" barrel	Right Angle	1.82	1.52	1.44	1.37
678-864B509S	864B509S	S	NCI	Jack, short, .70" barrel	Right Angle	1.73	1.44	1.37	1.30
678-866B509	866B509	T	NCI	Male, direct to tuner connection	Right Angle	3.17	2.64	2.51	2.38



. BOMAR Between Series Adapters and Kits

Between series adapters solve a variety of connection problems where connectors of different types could ordinarily not be mated together. Each adapter has a different type coupling at each end allowing for a wide variety of interconnections to fit almost all interconnection situations. All adapters are constructed of machined brass and are nickel plated.

Type N Adapters

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Price Each 1	10	25
678-1303505	1303505	A	N Plug to BNC Plug	8.76	7.62	7.05
678-1313505	1313505	B	N Plug to BNC Jack	5.54	4.82	4.46
678-1307505	1307505	C	N Plug to UHF Plug	6.14	5.34	4.94
678-1317505	1317505	D	N Plug to UHF Jack	8.33	7.24	6.70
678-1308505	1308505	E	N Plug to F Plug	5.91	5.14	4.75
678-1318505	1318505	F	N Plug to F Jack	7.02	6.10	5.64
678-1309505	1309505	G	N Plug to SMA Plug	6.76	5.88	5.44
678-1319505	1319505	H	N Plug to SMA Jack	6.35	5.52	5.11
678-1323505	1323505	I	N Jack to BNC Jack	5.70	4.96	4.59
678-1327505	1327505	J	N Jack to UHF Jack	8.83	7.68	7.10
678-1328505	1328505	K	N Jack to F Jack	6.10	5.30	4.90
678-1329505	1329505	L	N Jack to SMA Jack	6.35	5.52	5.11
678-1325505	1325505	M	N Jack to TNC Jack	5.70	4.96	4.59
678-6311505	6311505	N	N Jack to Mini-UHF Plug	5.04	4.38	4.05

Type BNC Adapters

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Price Each 1	10	25
678-3315505	3315505	O	BNC Plug to TNC Jack	4.12	3.58	3.31
678-3316505	3316505	P	BNC Plug to Mini-UHF Jack	3.96	3.44	3.18
678-3307505	3307505	Q	BNC Plug to UHF Plug	4.88	4.24	3.92
678-3317505	3317505	R	BNC Plug to UHF Jack	4.16	3.62	3.35
678-3318505	3318505	S	BNC Plug to F Jack	3.52	3.06	2.83
678-3309505	3309505	T	BNC Plug to SMA Plug	11.41	9.92	9.18
678-3319505	3319505	U	BNC Plug to SMA Jack	6.58	5.72	5.29
678-3325505	3325505	V	BNC Jack to TNC Jack	5.27	4.58	4.24
678-3327505	3327505	W	BNC Jack to UHF Jack	4.62	4.02	3.72
678-3328505	3328505	X	BNC Jack to F Jack	3.86	3.36	3.11
678-8313505	8313505	Y	BNC Jack to F Plug	3.29	2.86	2.65
678-6313505	6313505	Z	BNC Jack to Mini-UHF Plug	3.06	2.66	2.46

Type TNC Adapters

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Price Each 1	10	25
678-5311505	5311505	AA	TNC Plug to N Jack	5.70	4.96	4.59
678-5313505	5313505	BB	TNC Plug to BNC Jack	4.35	3.78	3.50
678-5316505	5316505	CC	TNC Plug to Mini-UHF Jack	3.20	2.78	2.57
678-5317505	5317505	DD	TNC Plug to UHF Jack	3.73	3.24	3.00
678-5309505	5309505	EE	TNC Plug to SMA Plug	11.41	9.92	9.18
678-5319505	5319505	FF	TNC Plug to SMA Jack	11.41	9.92	9.18
678-5329505	5329505	GG	TNC Jack to SMA Jack	5.91	5.14	4.75

Type SMA Adapters

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Price Each 1	10	25
678-9311505	9311505	HH	SMA Plug to N Jack	7.68	6.68	6.18
678-9313505	9313505	II	SMA Plug to BNC Jack	8.76	7.62	7.05
678-9315505	9315505	JJ	SMA Plug to TNC Jack	5.70	4.96	4.59
678-9306505	9306505	KK	SMA Plug to Mini-UHF Plug	5.91	5.14	4.75
678-9316505	9316505	LL	SMA Plug to Mini-UHF Jack	6.69	5.82	5.38
678-9317505	9317505	MM	SMA Jack to UHF Plug	6.14	5.34	4.94

Type UHF Adapters

For quantities of 100 and up, call for quote.

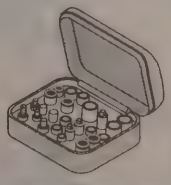
MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Price Each 1	10	25
678-7311505	7311505	NN	UHF Plug to N Jack	6.76	5.88	5.44
678-7313505	7313505	OO	UHF Plug to BNC Jack	6.14	5.34	4.94
678-7316505	7316505	PP	UHF Plug to Mini-UHF Jack	7.27	6.32	5.85
678-7309505	7309505	QQ	UHF Plug to SMA Plug	5.91	5.14	4.75
678-7319505	7319505	RR	UHF Jack to SMA Plug	5.91	5.14	4.75
678-6317505	6317505	SS	UHF Jack to Mini-UHF Plug	4.21	3.66	3.39

Type RCA Adapters

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Price Each 1	10	25
678-R0842	R0842	TT	RCA Plug to BNC Plug	4.03	3.50	3.24
678-R0844	R0844	UU	RCA Plug to BNC Jack	2.58	2.24	2.07
678-R0847	R0847	VV	RCA Plug to F Plug	2.51	2.18	2.02
678-R0849	R0849	WW	RCA Plug to F Jack	2.19	1.90	1.76

RF ADAPTER KITS



Commercial grade kit ADPT1 is a 30 piece kit containing: 2 each of males and females of: BNC, TNC, N, Mini-UHF, UHF, SMA and 6 universal adapters.
Made of machined brass and nickel plated bodies, with gold contacts.

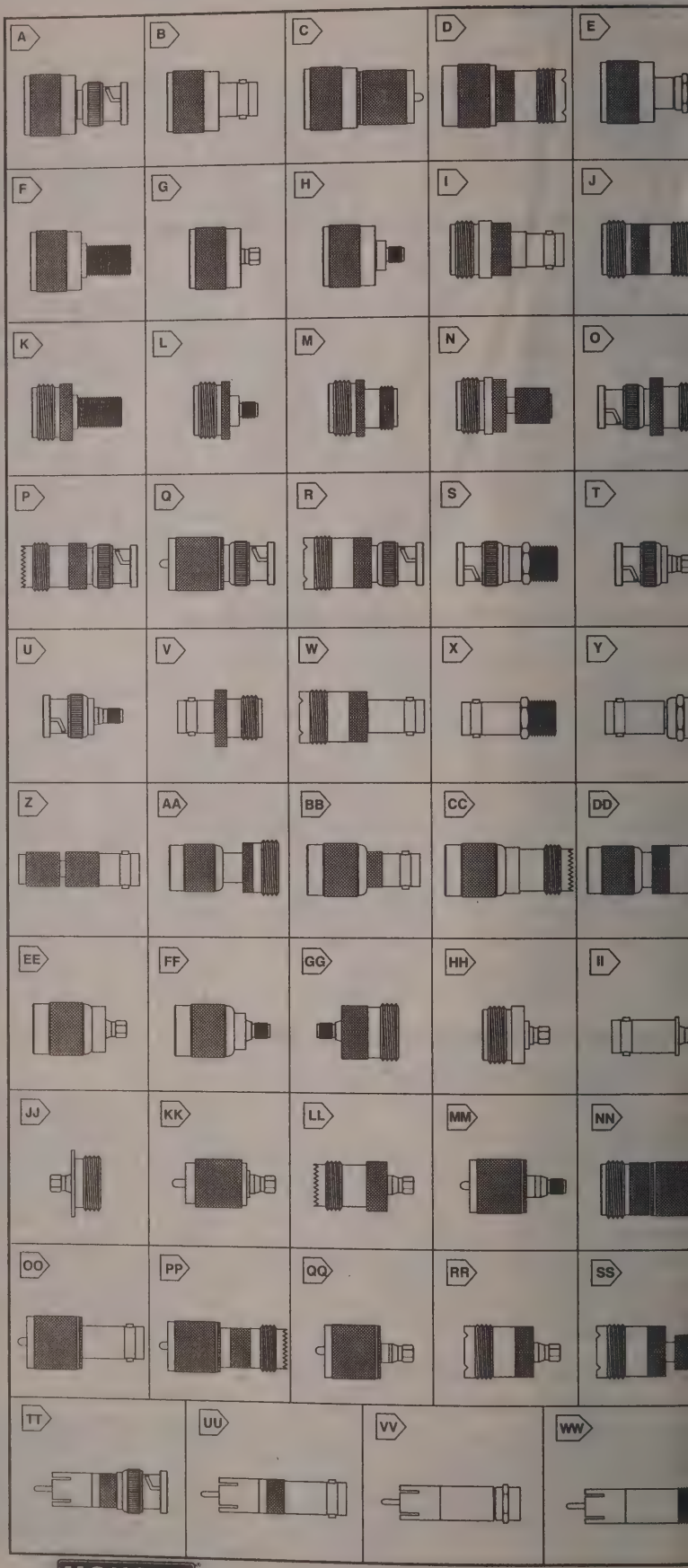
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Description	Price Each 1	5
678-ADPT1	ADPT1	Commercial grade Universal Kit	146.00	125.00

Broadcast grade kit ADPT2 is a 40 piece kit containing: 2 each males and females of: BNC, TNC, N, Mini-UHF, UHF, SMA, F, RCA and 8 universal adapters.
Made of machined brass and gold plated bodies, with gold contacts.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Description	Price Each 1	5
678-ADPT2	ADPT2	Broadcast grade Universal Kit	183.00	157.00



C COAXIAL CONNECTORS

ifications:
quency range: 50 Ohms 0-4GHz
75 Ohms 0-2GHz
sphor bronze with gold plating

- Working Voltage: 500 volts RMS
- Temperature range: -55°C to +85°C

Material:
- Body: Zinc or Brass with Nickel plating
- Contact: Beryllium copper or Phosphor bronze with gold plating
- Crimp Sleeve: Brass with Nickel plating
- Insulator: Delrin or TPX Polymethylpentene

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Imp. (Ω)	Description	RG Cable Type	Price Each 1	25	50	100
C Cable Mount Connectors								
-CPM-88-19	A	50	Crimp, 4pc Plug	174, 188, 316	1.89	1.71	1.36	1.19
-CPM-88-20	A	50	Crimp, 4pc Plug	179, 187	1.89	1.71	1.42	1.31
-CPMC-88-1	A	50	Crimp, 3pc Plug	58, 141	1.38	1.20	.98	.88
-CPMC-88-2	A	50	Crimp, 3pc Plug	59, 62	1.38	1.20	1.08	.95
-CPMC-88-3	A	50	Crimp, 3pc Plug	Belden 8281	1.79	1.62	1.32	1.18
-CPMC-88-5	A	50	Crimp, 3pc Plug	6	2.10	1.85	1.63	1.36
-CPMC-88-18	A	50	Crimp, 3pc Plug	Belden 8218	1.67	1.50	1.20	1.11
-CP-88-1	A	50	Crimp, 2pc Plug	58	1.45	1.30	1.04	.98
-CP-88-2	A	50	Crimp, 2pc Plug	59, 62	1.44	1.28	1.01	.89
-CP-88-5	A	50	Crimp, 2pc Plug	6	1.65	1.50	1.21	1.09
-CPFI-UG88-1	B	50	Twist-On Plug	58	1.72	1.54	1.43	1.35
-CPFI-UG88-2	B	50	Twist-On Plug	59, 62	1.79	1.61	1.48	1.41
-CPFI-UG88-5	B	50	Twist-On Plug	6	1.71	1.52	1.22	1.10
-CPMC-88-21	C	50	2 Ferrules, 3pc Plug	58, TFE-59	1.57	1.39	1.18	1.06
-CPMC-78-2	A	75	Crimp, 3pc Plug	59, 62	1.52	1.38	1.10	.94
-CPMC-78-18	A	75	Crimp, 3pc Plug	BELDEN 8218,1855A	1.79	1.62	1.29	1.22
-CPFI-UG89-2	D	50	Twist-on Jack	56, 62	2.05	1.71	1.54	1.38
-CP-89-2	E	50	Crimp, 2pc Jack	56, 62	1.46	1.33	1.22	1.11
C Panel Mount Connectors								
-CP-89-19-BM1	F	50	Crimp, 3pc, Jack	174, 188, 316	5.98	5.36	4.37	4.09
-CP-1094-U	G	50	Front mount, w/o lug, Jack	- - - - - - -	1.04	.91	.73	.64
-CP-1094-AST	H	50	Front mount, w/tab, Jack	- - - - - - -	1.03	.90	.72	.63
-CP-AD519	I	50	Flange mount Jack	- - - - - - -	2.31	2.09	1.71	1.43
-CP-AD520	J	75	Isolated front mount, Jack	- - - - - - -	3.26	2.95	2.40	2.28
C Adapters, Splices and Terminator								
-CP-AD555	K	50	Inline Jack to Jack	- - - - - - -	1.22	1.09	.87	.78
-CP-AD556M	L	50	Bulkhead inline Jack to Jack	- - - - - - -	1.80	1.60	1.29	1.16
-CP-AD503	M	50	Right Angle Jack to Plug	- - - - - - -	3.15	2.85	2.33	1.95
-CP-AD505	N	50	Jack to Jack to Plug T adapter	- - - - - - -	2.00	1.81	1.47	1.24
-CP-88T-75	O	75	75 Ohm, 1/2watt	- - - - - - -	1.63	1.47	1.20	1.01

UE 75 OHM BNC PLUGS

cifications:
ntrolled 75 Ohm impedance
quency range: 0-3GHz
rking voltage: 500volts RMS

- Temperature range: -65°C to 165°C
- Dual Crimp 3 piece assembly

Material:
- Body: Brass, nickel plated over copper plated
- Contact: Brass, gold plated over nickel over copper plated
- Crimp Sleeve: Copper, nickel plate over copper plated
- Insulator: Teflon

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Imp. (Ω)	RG Cable Type	Price Each 1	25	50	100
0-CPMC-68-2	A	75	59, 140, 302 Belden 9209A, 8279, 8241,8263, Commscope 5563, Gepco VJ59U	4.99	4.49	4.04	3.71
0-CPMC-68-3	A	75	Belden 8291, 9231, 9141, Gepco 7501,VP618PVC	4.62	4.16	3.74	3.44
0-CPMC-68-5	A	75	6, Belden 8215	5.36	4.82	4.34	3.98
0-CPMC-68-10	A	75	Belden 82108, 89108, Coleman 99969	4.44	3.93	3.46	3.28
0-CPMC-68-18	A	75	Belden 8218	4.74	4.26	3.84	3.53
0-CPMC-68-20	A	75	179, 187, Belden 1520A	4.62	4.16	3.74	3.44
0-CPMC-68-34	A	75	Belden 1855A, Commscope 7538, Gepco 7538	4.88	4.39	3.95	3.55
0-CPMC-68-35	A	75	Belden 1505A, 734A, Commscope 5565, Gepco 7538	4.54	4.08	3.67	3.38
0-CPMC-68-36	A	75	Belden 1695A, Gepco VSD2001TS	5.36	4.82	4.34	3.98
0-CPMC-68-45	A	75	Belden 1694A, 9248, Commscope 5765, Gepco VSD2001	4.55	4.09	3.68	3.39

IC CONNECTORS

cifications:
equency range: 0-11GHz
mperature range: -55°C to +85°C
0 Second termination, 3pc Plugs

Material:
- Body: Zinc or Brass with Nickel plating
- Contact: Beryllium copper, Phosphor bronze, or Brass with gold plating
- Crimp Sleeve: Brass with Nickel plating
- Insulator: Teflon, TPX, or Delrin

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Imp. (Ω)	Description	RG Cable Type	Price Each 1	25	50	100
0-CPMC-TNC-1	P	50	Crimp, 3pc Plug	58, 141	1.52	1.38	1.08	.94
0-CPMC-TNC-13	P	50	Crimp, 3pc Plug	142, 223, 400, 55	1.73	1.57	1.38	1.19
0-CPMC-TNC-17	P	50	Crimp, 3pc Plug	8X (MINI 8)	1.64	1.47	1.32	1.19

CONNECTORS

cifications:
equency range: 0-11GHz
orking Voltage: 500 volts RMS

- Temperature range: -55°C to +85°C
- 120 Second termination, 3pc Plugs

Material:
- Body and Coupling nut: Brass with Nickel plating
- Contact: Beryllium copper, Phosphor bronze, or Brass with Gold plating
- Crimp Sleeve: Brass with Nickel plating Insulator: Delrin

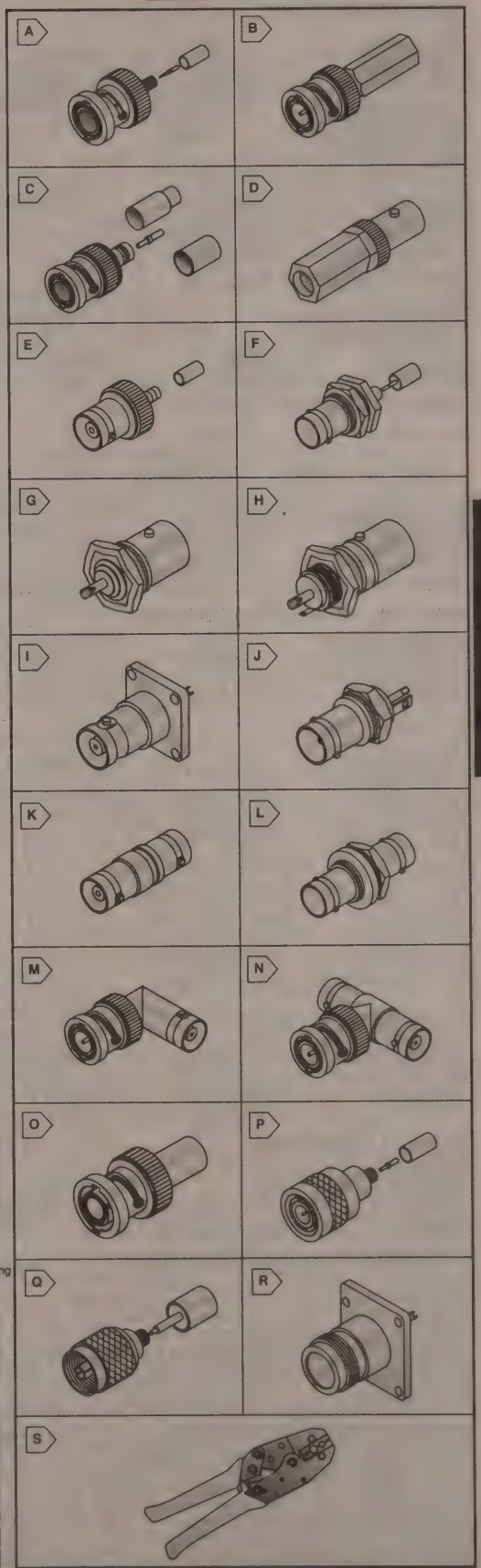
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Imp. (Ω)	Description	RG Cable Type	Price Each 1	25	50	100
0-CPN-1	Q	50	18 AWG crimp Plug	58	3.26	2.90	2.61	2.29
0-CPN-142T	Q	50	20 AWG crimp Plug	142-TFE	3.30	2.94	2.64	2.36
0-CPN-8	Q	50	13 AWG crimp Plug	8, 213	3.42	3.05	2.79	2.42
0-CP-AD801	R	50	Flange mount jack, solder cup	- - - - - - -	5.51	4.99	4.07	3.74

NC / TNC CONNECTOR TOOLING

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	RG Cable Type	Price Each 1	5
30-24-9912P	S	Crimps 3-piece BNC/TNC Connectors	RG 122, 180, 34M, 195, 174, 188, 179, 187, 316, 8218	44.80	42.60
30-24-9858P	S	Crimps 2-piece BNC/TNC Connectors	RG 58, 59TFE	39.90	37.80
30-24-9859P	S	Crimps 2-piece BNC/TNC Connectors	RG 59, 62	42.20	40.00
30-24-9958P	S	Crimps 3-piece BNC/TNC Connectors	RG 58, 58TFE, 141, 142, 223, 400, 303, 55	41.90	39.80
30-24-9959P	S	Crimps 3-piece BNC/TNC Connectors	RG 59, 62, 450, RG8X	42.30	40.20



UHF CONNECTORS

Specifications:
- Frequency range: 0-500 MHz
- Working voltage: 500 Volts RMS
- Temperature range: -55°C to +85°C

Material:
- Body: zinc or brass with nickel plating
- Contact: Beryllium copper or brass with gold or nickel plating
- Crimp sleeve: brass with nickel plating
- Insulator: Teflon or Delrin

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	RG Cable Type	Price Each 1	25	50	100
530-CPL-259-1	A	Crimp contact, plug	58	1.02	.88	.79	.73
530-CPL-259-8	A	Crimp contact, plug	8	1.35	1.21	1.12	1.06
530-CPL-259-17	A	Crimp contact, plug	RG-8X (MINI 8)	1.15	.99	.91	.89
530-CPL-259-18	B	Crimp contact, dual nut plug	58	1.97	1.77	1.63	1.45
530-CP-AD250	C	Straight solder type plug	8, 213	1.40	1.28	1.02	.91
530-CP-AD206	D	Flange mount jack	...	1.24	1.12	.91	.77

UHF CONNECTOR TOOLING

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	RG Cable Type	Price Each 1	5
530-24-9960P	E	Crimp Tool	RG 58, 59, 62, 8X	65.00	60.00
530-24-7712P	E	Crimp Tool	RG 8	37.84	32.81

MINI UHF CONNECTORS

Specifications:
- Frequency range: 0-2 GHz
- Working voltage: 500 Volts RMS
- Temperature range: -55°C to +85°C
- Solder or crimp contact

Material:
- Body and Coupling Nut: Zinc or Brass
- Contact: Brass
- Crimp Sleeve: Brass
- Insulator: TPX Polymethylpetene

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	RG Cable Type	Price Each 1	25	50	100
530-MINI-UHF-1	F	Straight crimp type plug	58	1.10	.99	.89	.85
530-MINI-UHF-17	F	Straight crimp type plug	RG-8X (MINI 8)	1.54	1.38	1.25	1.15

MINI UHF CONNECTOR TOOLING

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	RG Cable Type	Price Each 1	5
530-24-8860P	E	Crimp Tool	RG 58, 59, 62, 8X	46.20	40.58

F CONNECTORS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	RG Cable Type	Price Each 1	25	50	100
530-CPF-59-1/4	G	Crimp plug with 1/4 crimp ring	59	.29	.26	.21	.18
530-CPF-59-1/2	H	Crimp plug with 1/2 crimp ring	59	.32	.29	.23	.19
530-CPF-59-ALM	I	Standard crimp plug	59	.32	.24	.19	.17
530-CPFI-59	J	Twist-on plug	59	.32	.29	.23	.19
530-CPF-56-1/4	G	Crimp plug with 1/4 crimp ring	6	.32	.29	.23	.19
530-CPF-56ALM	I	Standard crimp plug	6	.32	.24	.19	.17
530-CPF-56-ALMWP	I	Chrome plated, waterproof plug	6	.47	.42	.34	.29
530-CPF-56-ALS	I	Quad-shield crimp plug	6	.34	.28	.23	.21
530-CPF-56-ALX	I	Tri-shield crimp plug	6	.35	.32	.29	.27
530-CPF-56-P	K	Teflon/Plenum crimp plug	6	.54	.49	.40	.37
530-CPFI-56	L	Twist-on plug	6	.27	.22	.21	.18
530-CPF-11-ALM	M	Standard crimp plug	11	1.83	1.65	1.35	1.12

F CONNECTOR TOOLING

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	RG Cable Type	Price Each 1	5
530-24-7710	E	Crimp Tool	RG 6, 59	29.30	22.70
530-24-7711P	E	Crimp Tool	RG 6, 11, 213	37.52	28.52

PCB F CONNECTORS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	25	50	100
530-CPF-61SE	N	Edge mount PCB jack	.88	.80	.65	.54
530-CPF-61PC	O	Vertical mount PCB jack	.57	.51	.42	.35

F ADAPTERS AND ACCESSORIES

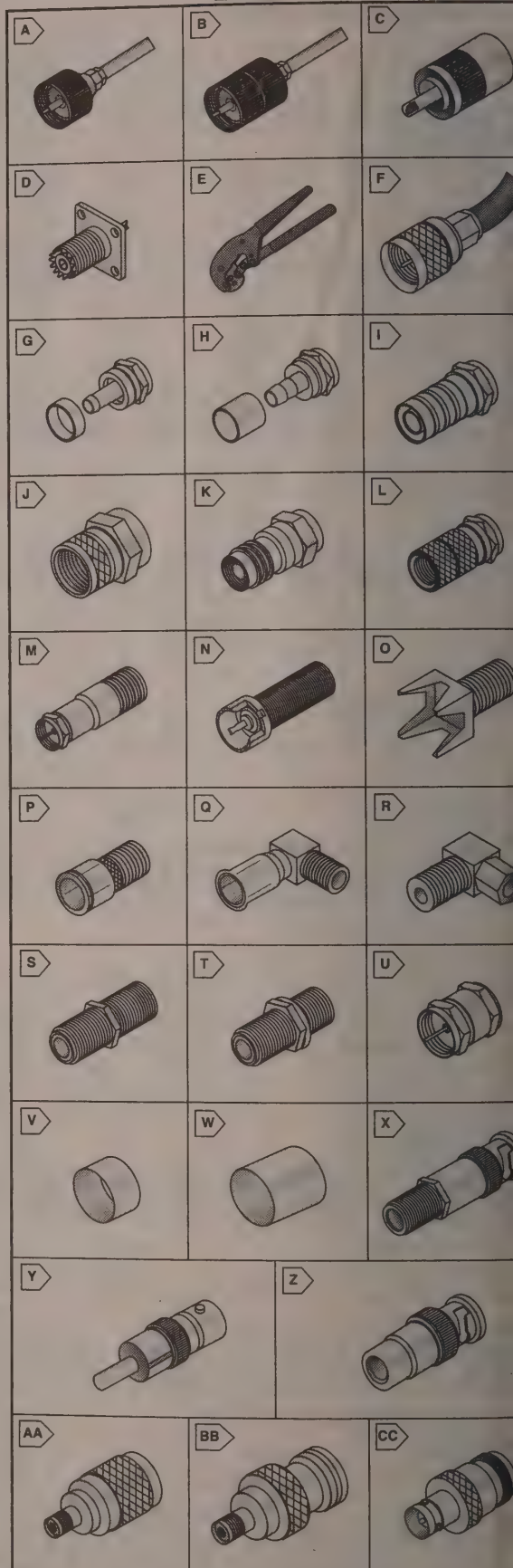
For quantities of 200 and up, call for quote.

530-CP-AD100	P	Jack to push-on plug	.65	.59	.48	.48
530-CP-AD101	Q	Right angle jack to push-on plug	1.93	1.74	1.42	1.19
530-CP-AD102	R	Right angle jack to plug	1.07	.97	.79	.66
530-CPF-81	S	3/4 in-line splice jack to jack	.24	.22	.17	.15
530-CPF-81-NW	T	3/4 splice jack to jack with hardware	.37	.33	.27	.22
530-CPF-71	U	Double male splice plug to plug	1.13	1.03	.84	.70
530-CPCR-59-1/4	V	1/4 long crimp ring for RG-59	.06	.05	.04	.03
530-CPCR-59-1/2	W	1/2 long crimp ring for RG-59	.07	.06	.05	.04

BETWEEN SERIES ADAPTERS

For quantities of 200 and up, call for quote.

530-CP-AD516	X	BNC plug to F jack adapter	1.70	1.54	1.23	1.05
530-CP-AD501	Y	BNC jack to RCA plug adapter	1.05	.90	.83	.75
530-CP-AD517	Z	BNC 75 ohm plug to RCA jack	3.47	3.14	2.56	2.15
530-CP-AD515	Z	BNC 50 ohm plug to RCA jack	1.05	.90	.71	.64
530-CP-AD810	AA	N plug to SMA jack	6.09	5.51	4.40	4.11
530-CP-AD819	BB	N jack to SMA jack	6.17	5.55	4.42	4.17
530-CP-AD806	CC	N jack to BNC jack	5.40	4.74	3.87	3.48



MOUSER ELECTRONICS a tti company

JOHNSON COMPONENTS RF Connectors

MA QUICK-CONNECT

e Johnson SMA Quick-Connect plug can quickly mate to a standard, threaded SMA Jack receptacle allowing id test connections to devices utilizing SMA threaded jacks. Full Mil-C-39012 electrical compatibility is obtained n a push and twist motion. The knurled thumbnut requires only one half to one full turn to create a solid nnection. Rapid disconnect is accomplished with a twist and pull motion.
e SMA Quick-Connect plug adapter converts a standard SMA plug test cable into a Quick-Connect cable.

PRODUCT NEW

Coupling Hardware: Nickel plated
Frequency Range: 0-12.4 GHz Plugs, 0-18GHz Adapter
VSWR: 1.15 +.02f(GHz) Plugs, 1.05 +.005f(GHz) Adapter
Contact Plating: Gold

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Body Plating	Cable Type - Description	Price Each			
					1	10	50	100
MA Quick-Connect Plugs								
30-142-1403-001	142-1403-001	A	Gold	RG-161/U, 174, 188, 316	23.07	20.76	18.69	16.81
30-142-1404-001	142-1404-001	A	Gold	RG-188 DS, RG-316 DS	23.07	20.76	18.69	16.81
30-142-1407-001	142-1407-001	A	Gold	RG-58/U, 141, 303	23.07	20.76	18.69	16.81
30-142-1408-001	142-1408-001	A	Gold	RG-55/U, 142,223,400	23.07	20.76	18.69	16.81
MA Quick Connect Adapter								
30-142-1901-821	142-1901-821	B	Gold	Adapter - SMA Jack converts to SMA Plug	34.61	31.15	28.03	Call

MA JACKS

mpedance: 50Ω
Frequency Range: 0-18 GHz
Temperature Range: -65°C to +165°C
Contact Plating: Gold

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Body Plating	Description	Price Each			
					1	10	50	100
anel Jacks								
30-142-0701-411	142-0701-411	C	Gold	Bulkhead, Front Mount, Solder Cup	6.33	5.55	4.77	4.10
30-142-0701-401	142-0701-401	D	Gold	Bulkhead, Rear Mount, Solder Cup	5.28	4.62	4.13	3.48
30-142-0701-631	142-0701-631	E	Gold	4 Hole Flange Mnt, Flush Dielectric, Solder Cup	6.37	5.60	4.85	4.18
30-142-0701-621	142-0701-621	F	Gold	2 Hole Flange Mnt, Flush Dielectric, Solder Cup	5.27	4.62	3.97	3.46
ertical PCB Jacks								
30-142-0701-201	142-0701-201	G	Gold	Round Base, .155" Legs, Thru-hole	4.71	4.08	3.50	3.00
30-142-0701-206	142-0701-206	G	Gold	Round Base, .155" Legs, Thru-hole	5.23	4.59	3.87	3.74
30-142-0701-231	142-0701-231	G	Gold	Round Base, .110" Legs, Thru-hole	4.85	4.19	3.63	3.11
30-1420701211	142-0701-211	H	Gold	Square Base, .155" Legs, Thru-hole	6.75	6.07	5.77	5.35
30-142-0711-201	142-0711-201	I	Gold	Square Base, .050" Legs, Surface Mount	4.78	3.98	3.44	3.12
ight-Angle PCB Jacks								
30-142-0701-301	142-0701-301	J	Gold	Round Base, .155" Legs, Thru-hole	7.31	6.41	5.51	4.72
30-142-0711-301	142-0711-301	K	Gold	Square Base, .050" Legs, Surface Mount	10.89	9.78	7.85	7.08
30-142-0701-501	142-0701-501	L	Gold	Square Base, .155" Legs, Bulkhead, Thru-hole	10.95	9.57	8.39	7.09
30-142-0701-506	142-0701-506	L	Gold	Square Base, .155" Legs, Bulkhead, Thru-hole	12.58	10.85	9.58	8.65
30-142-0701-551	142-0701-551	L	Gold	Square Base, .110" Legs, Bulkhead, Thru-hole	11.59	10.11	8.94	7.52

MA EDGE MOUNT CONNECTORS

Impedance: 50Ω
Frequency Range: 0-18 GHz
Temperature Range: -65°C to +165°C
Contact Plating: Gold
Body: Brass

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Body Plating	Description	Price Each			
					1	10	50	100
Straight Jacks								
530-142-0711-821	142-0711-821	M	Gold	.062" Board Thickness, Rnd Contact, .250" Wide	5.98	5.30	4.56	3.91
530-142-0711-841	142-0711-841	M	Gold	.042" Board Thickness, Rnd Contact, .250" Wide	7.94	7.10	5.93	5.43
530-142-0701-801	142-0701-801	M	Gold	.062" Board Thickness, Rnd Contact, .375" Wide	5.18	4.45	3.82	3.27
530-142-0701-881	142-0701-881	M	Gold	.031" Board Thickness, Rnd Contact, .375" Wide	5.85	4.83	4.20	3.60
530-142-0701-851	142-0701-851	M	Gold	.062" Board Thickness, Rnd Contact, .375" Wide	6.12	5.18	4.45	3.82
530-142-0701-841	142-0701-841	M	Gold	.042" Board Thickness, Rnd Contact, .375" Wide	6.75	5.90	5.08	4.75
530-142-0701-871	142-0701-871	N	Gold	.062" Board Thickness, Rnd Contact, Bulkhead	6.41	5.55	4.77	4.59
530-142-0721-881	142-0721-881	O	Gold	Surface Mount Jack, Round Contact	5.50	4.79	4.12	3.53

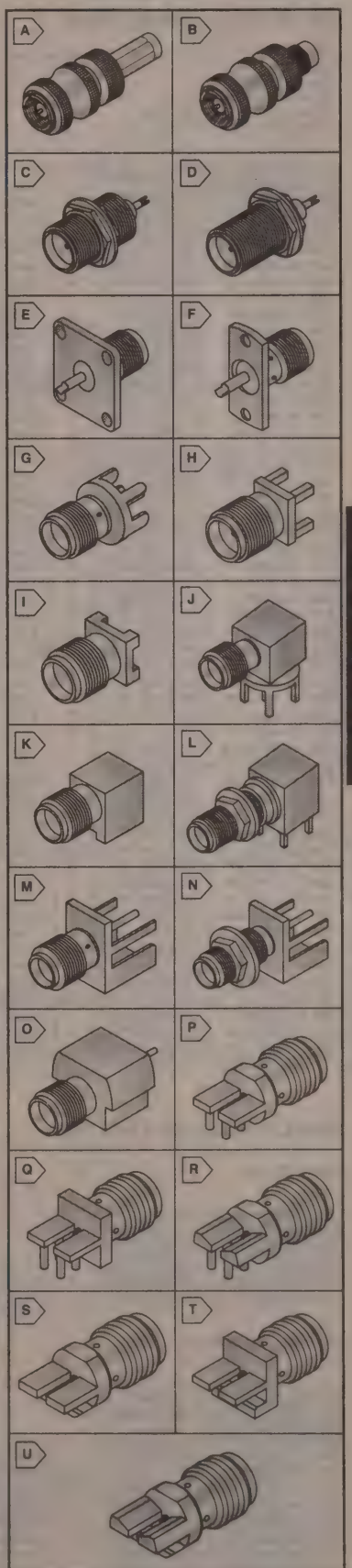
SMA HIGH FREQUENCY EDGE MOUNT CONNECTORS

Impedance: 50Ω
Frequency Range: 0-26.5 GHz
Insulator: PTFE
Contact Plating: Gold
Body: Brass
Body Plating: Gold
Temperature Range: -65°C to +165°C

PRODUCT NEW

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Pin	Description	Price Each			
					1	10	50	100
ight-Angle PCB Jacks								
30-142-0761-801	142-0761-801	P	.010	Round Body, .093" Legs, Thru-Hole	7.21	6.46	5.69	4.85
30-142-0761-821	142-0761-821	P	.015	Round Body, .093" Legs, Thru-Hole	7.21	6.46	5.69	4.85
30-142-0761-811	142-0761-811	Q	.010	Square Body, .120" Legs, Thru-Hole	7.21	6.46	5.69	4.85
30-142-0761-831	142-0761-831	Q	.015	Square Body, .120" Legs, Thru-Hole	7.21	6.46	5.69	4.85
30-142-0761-881	142-0761-881	R	.010	Round Body, .093" Legs, Thru-Hole, Thick Legs	7.21	6.46	5.69	4.85
30-142-0771-821	142-0771-821	R	.015	Round Body, .093" Legs, Thru-Hole, Thick Legs				
traight Jacks								
30-142-0761-841	142-0761-841	S	.010	.062" Board Thickness, Round Body, .218" Wide	7.21	6.46	5.69	4.85
30-142-0761-861	142-0761-861	S	.015	.062" Board Thickness, Round Body, .218" Wide	7.21	6.46	5.69	4.85
30-142-0761-851	142-0761-851	T	.010	.062" Board Thickness, Square Body, .250" Wide	7.21	6.46	5.69	4.85
30-142-0761-871	142-0761-871	T	.015	.062" Board Thickness, Square Body, .250" Wide	7.21	6.46	5.69	4.85
30-142-0761-891	142-0761-891	U	.010	.062" Board, Round Body, .218" Wide, Thick Legs	7.21	6.46	5.69	4.85
30-142-0771-831	142-0771-831	U	.015	.062" Board, Round Body, .218" Wide, Thick Legs	7.21	6.46	5.69	4.85

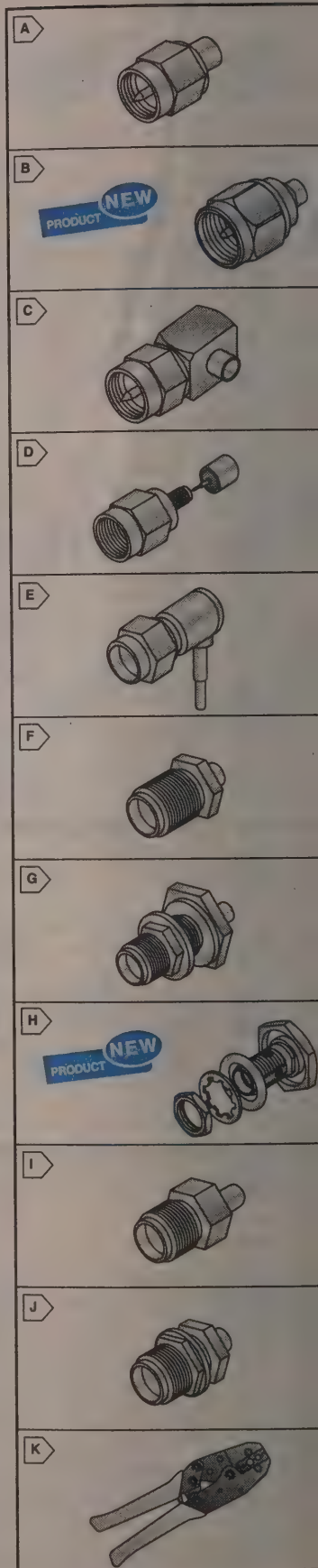


SMA CABLE CONNECTORS

- Impedance: 50Ω
- Body: Brass
- Contact Plating: Gold
- Insulator: PTFE Flourocarbon
- Temperature Range: -65° to +165°C
- Durability: 500 Cycles minimum
- Frequency Range: 0-12.4 GHz for Flexible Cable Types
  0-26.5 GHz for Semi-Rigid Cable Types
  0-28 GHz for Plugs with Semi-Rigid cable and Captivated Solderless Contact;
  0-25 GHz for Jacks with Semi-Rigid cable and Captivated Solderless Contact

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Body Plating	Cable Type - Description	Price Each 1	10	50	100
Straight Plugs - Semi-Rigid Cable								
530-142-0693-001	142-0693-001	A	Gold	.086 Semi-Rigid - w/ contact, captive nut	3.78	3.32	2.86	2.45
530-142-0693-006	142-0693-006	A	Nickel	.086 Semi-Rigid - w/ contact, captive nut	3.47	3.04	2.61	2.24
530-142-0694-001	142-0694-001	A	Gold	.141 Semi-Rigid - w/ contact, captive nut	5.23	4.71	4.24	3.81
530-142-0694-006	142-0694-006	A	Nickel	.141 Semi-Rigid - w/ contact, captive nut	5.06	4.57	3.97	3.61
530-142-0694-011	142-0694-011	A	Gold	.141 Semi-Rigid - w/o contact, thread-on nut	1.79	1.59	1.39	1.27
530-142-0694-016	142-0694-016	A	Nickel	.141 Semi-Rigid - w/o contact, thread-on nut	1.88	1.69	1.37	1.29
530-142-0694-021	142-0694-021	A	Gold	.141 Semi-Rigid - w/o contact, slide-on nut	1.75	1.59	1.45	1.32
530-142-0694-026	142-0694-026	A	Nickel	.141 Semi-Rigid - w/o contact, slide-on nut	1.52	1.39	1.26	1.15
Straight Plugs - Semi-Rigid Cable - Captivated Solderless Contact								
530-142-0693-061	142-0693-061	B	Gold	.086 Semi-Rigid - w/ captive nut, 1 piece body	5.45	4.92	4.43	3.65
530-142-0693-066	142-0693-066	B	Nickel	.086 Semi-Rigid - w/ captive nut, 1 piece body	5.32	4.78	4.32	3.88
530-142-0694-061	142-0694-061	B	Gold	.141 Semi-Rigid - w/ captive nut, 1 piece body	5.45	4.92	4.43	3.65
530-142-0694-066	142-0694-066	B	Nickel	.141 Semi-Rigid - w/ captive nut, 1 piece body	5.32	4.78	4.32	3.88
Right Angle Plugs - Semi-Rigid Cable								
530-142-0693-101	142-0693-101	C	Gold	.086 Semi-Rigid - w/ contact, 1 piece body	8.26	7.44	6.39	5.29
530-142-0694-101	142-0694-101	C	Gold	.141 Semi-Rigid - w/ contact, 1 piece body	8.29	7.51	7.05	6.24
Straight Plugs - Flexible Cable - Captivated Contact								
530-142-0402-011	142-0402-011	D	Gold	178/U, 196	6.05	5.31	4.50	3.91
530-142-0403-011	142-0403-011	D	Gold	161/U, 174, 188, 316, LMR-100	5.21	4.13	3.55	3.04
530-142-0203-011	142-0203-011	D	Gold	161/U, 174, 188, 316, LMR-100 - Cable Clamp Version	9.80	8.59	7.90	7.69
530-142-0404-011	142-0404-011	D	Gold	188 DS, 316 DS	6.55	5.96	5.41	5.10
530-142-0407-011	142-0407-011	D	Gold	58/U, 141, 303, LMR-195	5.64	4.96	4.71	4.19
530-142-0408-011	142-0408-011	D	Gold	55/U, 142, 223, 400	6.56	6.14	5.21	4.26
530-142-0439-001	142-0439-001	D	Gold	LMR-200	7.33	6.41	5.81	5.07
Right Angle Plugs - Flexible Cable - Captivated Contacts								
530-142-0402-101	142-0402-101	E	Gold	178/U, 196	9.28	8.35	7.52	6.76
530-142-0403-101	142-0403-101	E	Gold	161/U, 174, 188, 316, LMR-100	6.97	6.03	4.89	4.15
530-142-0203-101	142-0203-101	E	Gold	161/U, 174, 188, 316, LMR-100	6.94	6.24	5.67	5.59
530-142-0404-101	142-0404-101	E	Gold	188 DS, 316 DS	8.94	8.13	7.39	6.72
530-142-0407-101	142-0407-101	E	Gold	58/U, 141, 303, LMR-195	9.47	8.52	7.67	6.91
530-142-0408-101	142-0408-101	E	Gold	55/U, 142, 223, 400	9.36	8.21	7.33	6.47
Straight Jacks - Semi-Rigid Cable								
530-142-0593-001	142-0593-001	F	Gold	.086 Semi-Rigid	4.81	3.74	3.25	2.90
530-142-0594-001	142-0594-001	F	Gold	.141 Semi-Rigid	6.47	5.82	5.21	4.55
530-142-0593-401	142-0593-401	G	Gold	.086 Semi-Rigid - rear mount bulkhead	10.77	9.25	7.83	6.95
530-142-0594-401	142-0594-401	G	Gold	.141 Semi-Rigid - rear mount bulkhead	7.75	6.81	5.73	5.12
Straight Bulkhead Jacks - Semi-Rigid Cable - Captivated Solderless Contact								
530-142-0593-421	142-0593-421	H	Gold	.086 Semi-Rigid - w/ O-ring, 1 piece body	11.09	9.88	8.98	8.44
530-142-0593-426	142-0593-426	H	Nickel	.086 Semi-Rigid - w/ O-ring, 1 piece body	10.89	9.81	8.82	7.94
530-142-0594-421	142-0594-421	H	Gold	.141 Semi-Rigid - w/ O-ring, 1 piece body	11.09	9.88	8.89	8.44
530-142-0594-426	142-0594-426	H	Nickel	.141 Semi-Rigid - w/ O-ring, 1 piece body	10.89	9.81	8.82	7.94
530-142-0593-431	142-0593-431	H	Gold	.086 Semi-Rigid - w/ O-ring, 1 piece body	13.56	12.11	11.24	10.48
530-142-0593-436	142-0593-436	H	Nickel	.086 Semi-Rigid - w/ O-ring, 1 piece body	13.34	11.97	10.89	9.97
530-142-0594-431	142-0594-431	H	Gold	.141 Semi-Rigid - w/ O-ring, 1 piece body	13.56	12.11	11.24	10.48
530-142-0594-436	142-0594-436	H	Nickel	.141 Semi-Rigid - w/ O-ring, 1 piece body	13.34	11.97	10.89	9.97
Straight Jacks - Flexible Cable - Captivated Contacts								
530-142-0303-011	142-0303-011	I	Gold	161/U, 174, 188, 316, LMR-100	8.24	7.65	7.15	6.65
530-142-0302-431	142-0302-431	J	Gold	178/U, 196 - bulkhead	8.20	7.50	6.41	6.23
530-142-0303-411	142-0303-411	J	Gold	161/U, 174, 188, 316 - bulkhead	7.83	6.82	5.84	5.05



SMA CONNECTOR TOOLING

Crimp Tools

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Description	Price Each 1	5
530-140-0000-952	140-0000-952	K	Economy Hand Crimp Tool (Frame Only)	89.50	85.40
530-140-0000-951	140-0000-951	---	Die for 140-0000-952 (RG 178,316/DS,58,142,735A,LMR-100,195,200)	109.06	101.73

Semi-Rigid Assembly Tools

PRODUCT NEW

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Description	Price Each
530-140-0000-962	140-0000-962	---	Soldering Vise (requires inserts and stop screw)	489.00
530-140-0000-981	140-0000-981	---	Vise Stop Screw	91.42
530-140-0000-964	140-0000-964	---	Semi-Rigid Cable Clamp Insert for .086" Cable	91.00
530-140-0000-965	140-0000-965	---	Semi-Rigid Cable Clamp Insert for .141" Cable	99.00
530-140-0000-982	140-0000-982	---	Soldering Mating Fixture for SMA Plugs	2.85
530-140-0000-973	140-0000-973	---	Soldering Mating Fixture for SMA Jacks	5.05
530-140-0000-975	140-0000-975	---	Complete Center Conductor Pointing Tool for .086" Cable	316.35
530-140-0000-976	140-0000-976	---	Complete Center Conductor Pointing Tool for .141" Cable	316.35

JOHNSON COMPONENTS RF Connectors

JOHNSON Components · EMERSON Network Power

B CONNECTORS

- edance: 50 Ohm
- nector Bodies: Machined Brass
- Plating: Gold or Nickel
- Durability: 500 Cycles minimum
- Frequency Range: 0-4.0 GHz for Flexible Cable Types
- Contact Plating: Gold
- Insulators: PTFE Fluorocarbon
- Temperature Range: -65° to +165°C

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Johnson Components Part No.	Fig.	Plating	RG Cable - Description	Price Each 1	10	50	100
ight Plugs - Flexible Cable								
131-1403-001	131-1403-001	A	Gold	161/U, 174, 188, 316, LMR-100	5.58	5.03	4.61	4.45
131-1403-016	131-1403-016	A	Nickel	161/U, 174, 188, 316, LMR-100	5.10	4.50	3.85	3.30
t Angle Plugs - Flexible Cable								
131-1403-101	131-1403-101	B	Gold	161/U, 174, 188, 316, LMR-100	4.98	4.40	3.85	3.75
131-1403-116	131-1403-116	B	Nickel	161/U, 174, 188, 316, LMR-100	4.20	3.70	3.20	2.70
ical PCB Jacks								
131-3701-201	131-3701-201	C	Gold	.155" Legs, Machined Brass, .312" Dia. Base	2.10	1.75	1.49	1.25
131-3701-206	131-3701-206	C	Nickel	.155" Legs, Machined Brass, .312" Dia. Base	2.03	1.69	1.43	1.19
131-3701-261	131-3701-261	D	Gold	.155" Legs, Machined Brass, .236" Sq. Base	2.15	1.83	1.57	1.30
131-3701-266	131-3701-266	D	Nickel	.155" Legs, Machined Brass, .236" Sq. Base	2.08	1.76	1.50	1.29
131-3701-271	131-3701-271	D	Gold	.095" Legs, Machined Brass, .236" Sq. Base	2.11	1.85	1.57	1.42
131-1701-201	131-1701-201	D	Gold	.155" Legs, Die Cast	2.60	2.28	1.96	1.68
131-1701-206	131-1701-206	D	Nickel	.155" Legs, Die Cast	2.45	2.15	1.85	1.58
131-1701-211	131-1701-211	D	Gold	.095" Legs, Die Cast	2.70	2.31	2.02	1.71
131-1701-216	131-1701-216	D	Nickel	.095" Legs, Die Cast	2.65	2.29	2.14	1.95
131-3711-201	131-3711-201	E	Gold	Surface Mount, .250" Sq. Base, Mach. Brass	4.64	4.17	3.59	3.15
t Angle PCB Jacks								
131-3701-301	131-3701-301	F	Gold	.155" Legs, Machined Brass	4.95	4.34	3.73	3.20
131-3701-306	131-3701-306	F	Nickel	.155" Legs, Machined Brass	5.12	4.52	4.12	3.51
131-1701-371	131-1701-371	G	Gold	.110" Legs, Die Cast	4.90	4.31	3.72	3.56
131-1701-376	131-1701-376	G	Nickel	.110" Legs, Die Cast	4.72	4.15	3.68	3.42
131-3701-501	131-3701-501	H	Gold	Bulkhead, .083" Legs, Machined Brass	10.12	9.16	7.98	6.54
131-3701-341	131-3701-341	H	Gold	Bulkhead, .155" Legs, Machined Brass	6.60	5.79	4.97	4.27
131-3701-346	131-3701-346	H	Nickel	Bulkhead, .155" Legs, Machined Brass	6.95	6.25	5.62	5.05

NI SMB 75 OHM CONNECTORS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Plating	RG Cable - Description	Price Each 1	10	50	100
131-8403-001	131-8403-001	A	Gold	Straight Plug, RG-179, 187	7.56	6.45	5.70	4.30
131-8403-101	131-8403-101	B	Gold	Right Angle Plug, RG-179, 187	8.38	7.59	6.33	5.69
131-8701-201	131-8701-201	C	Gold	Vertical PCB Jack, .083" Legs, Machined Brass	3.39	3.00	2.70	2.45
131-8701-206	131-8701-206	C	Nickel	Vertical PCB Jack, .083" Legs, Machined Brass	2.20	1.93	1.71	1.67

B/MCX CONNECTOR TOOLING

For quantities greater than listed, call for quote.

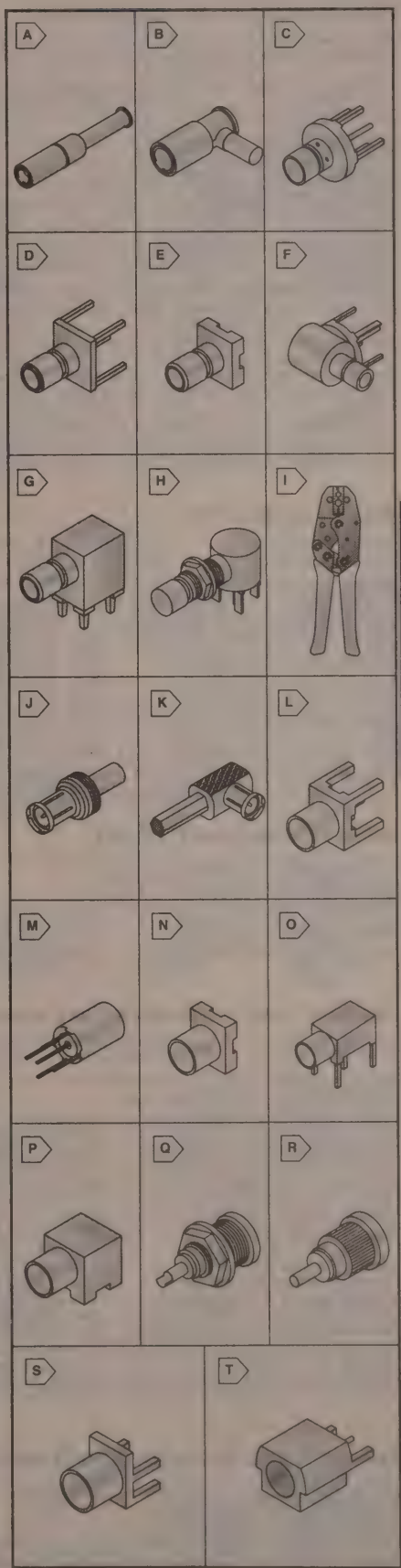
MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Cable Type - Description	Price Each 1	5
140-0000-952	140-0000-952	I	Economy Hand Crimp Tool (Frame Only)	89.50	85.40
140-0000-951	140-0000-951	- - -	Die Set for Crimp Tool (RG 178, 316/DS, 58, 142, 735A,LMR-100,195,200)	109.06	101.73

CX CONNECTORS

- edance: 50 Ohm
- nector Bodies: Machined Brass
- Plating: Gold or Nickel
- Durability: 500 Cycles minimum
- Frequency Range: 0-6.0 GHz for Flexible Cable Types
- Insulators: PTFE Fluorocarbon
- Temperature Range: -65° to +165°C
- Contact Plating: Gold

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Plating	RG Cable - Description	Price Each 1	10	50	100
ight Plugs - Flexible Cable								
133-3403-001	133-3403-001	J	Gold	RG-188/U, 316, 161, 174 - Captivated Contact	3.90	3.33	2.86	2.45
ht Angle Plugs - Flexible Cable								
133-3402-101	133-3402-101	K	Gold	RG-178/U, 196 - Captivated Contact	4.87	4.08	3.50	3.00
133-3403-101	133-3403-101	K	Gold	RG-188/U, 316, 161, 174 - Captivated Contact	5.26	4.00	3.43	2.94
133-3403-106	133-3403-106	K	Nickel	RG-188/U, 316, 161, 174 - Captivated Contact	4.43	3.85	3.31	2.83
133-3404-106	133-3404-106	K	Nickel	RG-188DS, 316DS Captivated Contact	4.79	4.31	3.85	3.29
tical PCB Jacks								
133-3701-201	133-3701-201	L	Gold	.155" Legs, .236" Square Base	3.45	2.99	2.57	2.20
133-3701-211	133-3701-211	L	Gold	.110" Legs, .236" Square Base	3.55	3.11	2.67	2.29
133-3701-216	133-3701-216	L	Nickel	.110" Legs, .236" Square Base	3.38	2.96	2.54	2.18
133-3701-231	133.3701-231	M	Gold	.115" Legs, .188" Diameter Round. Base	4.08	3.54	3.05	2.61
133-3701-236	133.3701-236	M	Nickel	.115" Legs, .188" Diameter Round. Base	3.88	3.36	2.71	2.43
133-3711-201	133-3711-201	N	Gold	Surface Mount, .236" Square Base	5.03	4.46	3.84	3.25
ht Angle PCB Jacks								
133-3701-301	133-3701-301	O	Gold	.155" Legs, .236" Square Base	7.49	6.57	5.65	5.16
133-3701-306	133-3701-306	O	Nickel	.155" Legs, .236" Square Base	7.33	6.42	5.52	5.06
133-3701-311	133-3701-311	O	Gold	.110" Legs, .236" Square Base	7.98	6.99	6.01	5.15
133-3701-321	133-3701-321	O	Gold	.068" Legs, .236" Square Base	10.40	9.18	7.85	6.57
133-3711-301	133-3711-301	P	Gold	Surface Mount, .236" Square Base	8.35	7.30	6.28	5.38
nel Mount Jacks								
133-3701-401	133-3701-401	Q	Gold	Front Mnt. Bulkhead Receptacle, D-Flat Threaded	5.88	5.14	4.42	3.79
133-3701-406	133-3701-406	Q	Nickel	Front Mnt. Bulkhead Receptacle. D-Flat Threaded	5.82	4.80	4.22	4.07
133-3701-411	133-3701-411	R	Gold	Front Mnt. Bulkhead Receptacle, Press Fit Knurl	4.03	3.73	2.84	2.53
d Launch Jacks								
133-3701-801	133-3701-801	S	Gold	.062" Board Thickness, .250" Sq. Mnt, Rnd Cont.	4.48	3.93	3.78	2.89
133-3711-801	133-3711-801	T	Gold	Surface Mount, Round Contact	7.91	7.12	6.50	5.49



SMK (2.92MM) 40 GHZ CONNECTORS

Precision SMK connector provides an excellent solution for demanding applications requiring high frequency transmission. Although similar to a SMA connector, a smaller internal body diameter and air dielectric provide a higher cutoff frequency.

- Connector Mating: per MIL-STD-348
- Impedance: 50 Ohm
- Connector Body: Stainless Steel
- Temperature Range: -65° to 165°C
- Frequency Range: 0-40GHz
- Contacts: Gold Plated
- Durability: 500 Cycles Minimum

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Plating	RG Cable - Description	Price Each 1	10	50
Straight Plugs for Semi-Rigid							
530-145-0693-001	145-0693-001	A	Gold	.086 Semi-Rigid, with contact, slide-on nut	24.50	23.37	19.48
530-145-0693-002	145-0693-002	A	Passivated	.086 Semi-Rigid, with contact, slide-on nut	23.26	22.14	18.45
530-145-0694-001	145-0694-001	A	Gold	.141 Semi-Rigid, with contact, slide-on nut	24.50	23.37	19.48
530-145-0694-002	145-0694-002	A	Passivated	.141 Semi-Rigid, with contact, slide-on nut	23.26	22.14	18.45
Receptacles							
530-145-0701-601	145-0701-601	B	Gold	2-Hole Flange Mount Jack	30.85	29.88	24.90
530-145-0701-602	145-0701-602	B	Passivated	2-Hole Flange Mount Jack	30.18	28.08	23.40
530-145-0701-611	145-0701-611	C	Gold	4-Hole Flange Mount Jack	30.85	29.88	24.90
530-145-0701-612	145-0701-612	C	Passivated	4-Hole Flange Mount Jack	30.18	28.08	23.40
530-145-0701-001	145-0701-001	D	Gold	Thread Mount Jack - Field Replaceable	30.69	27.09	22.58
530-145-0701-002	145-0701-002	D	Passivated	Thread Mount Jack - Field Replaceable	29.23	25.80	21.50
530-142-1000-033	142-1000-033	E	Gold	Hermetic Seal Feed-thru	13.95	11.45	9.49
Adapters							
530-145-0901-801	145-0901-801	F	Gold	Jack to Jack Adapter	79.97	71.10	59.25
530-145-0901-811	145-0901-811	G	Gold	Plug to Plug Adapter	76.13	67.50	56.25
530-145-0901-821	145-0901-821	H	Gold	Plug to Jack Adapter	78.16	69.30	57.75

MMCX CONNECTORS

- Impedance: 50 Ohm
- Connector Body: Brass
- Temperature Range: -65° to 165°C
- Frequency Range: 0-6 GHz
- Durability: 500 Cycles Minimum

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Plating	Description	Price Each 1	10	50	100
530-135-3402-001	135-3402-001	I	Gold	Straight Plug for RG-178/U, 196	4.75	3.91	3.36	2.88
530-135-3403-001	135-3403-001	I	Gold	Straight Plug for RG-316/U, 188, 161, 174	6.75	5.84	5.01	4.25
530-135-3402-101	135-3402-101	J	Gold	Right Angle Plug for RG-178/U, 196	7.35	6.41	5.51	4.72
530-135-3403-101	135-3403-101	J	Gold	Right Angle Plug for RG-316/U, 188, 161, 174	7.45	6.45	5.57	4.77
530-135-3701-201	135-3701-201	K	Gold	Vertical PCB Jack, .115" Legs	4.45	3.90	3.35	2.87
530-135-3701-211	135-3701-211	K	Gold	Vertical PCB Jack, .068" Legs	4.26	3.72	3.10	2.70
530-135-3711-201	135-3711-201	L	Gold	Surface Mount Vertical Jack, .030" legs	5.20	4.35	3.82	3.23
530-135-3701-301	135-3701-301	M	Gold	Right Angle PCB Jack, .115" legs	8.42	7.55	6.34	5.56
530-135-3701-311	135-3701-311	M	Gold	Right Angle PCB Jack, .068" legs	8.15	7.41	6.37	5.46
530-135-3711-801	135-3711-801	N	Gold	End Launch Surface Mount Jack,	5.59	4.84	4.16	3.57

MMCX CONNECTOR TOOLING

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Description	Price Each 1	5
530-140-0000-952	140-0000-952	O	Economy Hand Crimp Tool (Frame Only)	89.50	85.40
530-140-0000-953	140-0000-953	- - -	Die Set for Crimp Tool (RG 178, 316/DS)	185.50	181.25
530-141-0000-910	141-0000-910	- - -	Assembly/ Decoupling Tool	29.50	26.55

IN-SERIES AND BETWEEN SERIES ADAPTERS

- Connector Body: Brass
- Body Plating: Gold
- Durability: 500 Cycles Minimum
- Temperature Range: -65° to 165°C

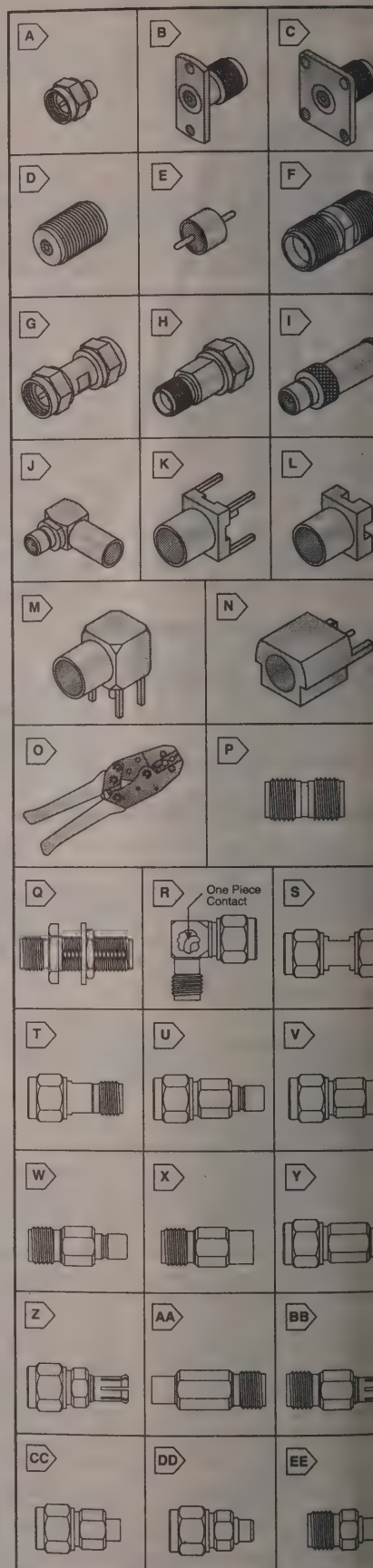
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Description	Frequency Range	Price Each 1	10
530-142-0901-801	142-0901-801	P	SMA Jack to SMA Jack	0-18 GHz	11.54	10.07
530-142-0901-401	142-0901-401	Q	SMA Jack to SMA Jack (Bulkhead Type)	0-18 GHz	16.12	14.52
530-142-0901-941	142-0901-941	R	SMA Jack to SMA Plug (Right Angle)	0-18 GHz	14.98	13.26
530-142-0901-811	142-0901-811	S	SMA Plug to SMA Plug	0-18 GHz	13.61	11.94
530-142-0901-821	142-0901-821	T	SMA Plug to SMA Jack	0-18 GHz	11.81	10.48
530-134-1012-011	134-1012-011	U	SMA Plug to SMB Jack	0-4 GHz	32.08	28.75
530-134-1012-021	134-1012-021	V	SMA Plug to SMB Plug	0-4 GHz	38.54	35.59
530-134-1012-031	134-1012-031	W	SMA Jack to SMB Jack	0-4 GHz	35.66	32.13
530-134-1012-041	134-1012-041	X	SMA Jack to SMB Plug	0-4 GHz	32.81	29.18
530-134-1018-001	134-1018-001	Y	SMA Plug to MCX Jack	0-6 GHz	38.62	34.24
530-134-1018-011	134-1018-011	Z	SMA Plug to MCX Plug	0-6 GHz	38.54	35.59
530-134-1018-021	134-1018-021	AA	SMA Jack to MCX Jack	0-6 GHz	36.23	32.00
530-134-1018-031	134-1018-031	BB	SMA Jack to MCX Plug	0-6 GHz	38.25	34.42
530-134-1019-151	134-1019-151	CC	SMA Plug to MMCX Jack	0-6 GHz	38.54	35.59
530-134-1019-161	134-1019-161	DD	SMA Plug to MMCX Plug	0-6 GHz	41.29	38.71
530-134-1019-181	134-1019-181	EE	SMA Jack to MMCX Plug	0-6 GHz	38.54	35.59

IN-SERIES AND BETWEEN SERIES ADAPTER KIT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Description	Price Each 1	5
530-142-0000-005	142-0000-005	72 Piece Adapter Kit (SMA, BNC, RCA, AND N Types)	288.00	275.00



BNC, TNC CONNECTORS, AND ADAPTERS

gned for the requirements of commercial applications that do not require performance above 1-3GHz.

ckel plated pins • Delrin insulators • For instrumentation, medical equipment

C Connectors

For quantities of 1000 and up, call for quote.

OUSER OCK NO.	Fig.	Description	RG/U Cable Type	Price Each 1	10	100	500
-9313	A	BNC plug connector, clamp type	58	1.15	.95	.87	.78
-9311	B	BNC plug connector, with strain relief	58	1.63	1.36	1.24	1.13
-9314	C	BNC plug, crimp type	58	1.45	1.21	1.09	.99
-9315	D	BNC plug, 2 piece crimp type, with pin	59	1.89	1.57	1.43	1.29
-9312	E	BNC jack with strain relief	58	.99	.83	.76	.68
-9320	F	BNC receptacle, panel mount	-----	1.38	1.15	1.04	.94
-9323	G	BNC chassis receptacle	-----	1.35	1.12	1.02	.93
-9331	H	BNC chassis PCB receptacle	-----	1.98	1.65	1.50	1.35

C Connectors

For quantities of 1000 and up, call for quote.

OUSER OCK NO.	Fig.	Description	RG/U Cable Type	Price Each 1	10	100	500
-9421	I	TNC female chassis receptacle	-----	1.03	.86	.71	.64

er-Series Adapters

For quantities of 1000 and up, call for quote.

OUSER OCK NO.	Fig.	Description	RG/U Cable Type	Price Each 1	10	100	500
-9731	J	BNC jack to "F" plug	-----	1.96	1.68	1.49	1.38
-9732	K	BNC male to RCA phono plug	-----	2.07	1.73	1.57	1.43
-9633	L	F jack to BNC plug	-----	1.77	1.48	1.34	1.22
-9710	M	RCA phono plug to "F" jack	-----	.98	.82	.74	.68
-9737	N	BNC jack to BNC jack	-----	1.27	1.06	.96	.87

COMMERCIAL BNC/TNC CONNECTORS 50Ω Impedance

pedance: 50Ω
requency range: 0-4 GHz
SWR: 1.3:1 max.

- Vibration, shock, moisture resistance: MIL-standard 202
- Contact resistance: inner contact - 1.5mΩ max.
  outer contact - .2mΩ max.
- Voltage rating: 500VRMs
- Insulation resistance: 5000MΩ min.
- Temperature range: -55°C to +85°C

ceptacles

NOTE: Meets MIL-C-39012 interface requirements

For quantities of 1000 and up, call for quote.

OUSER OCK NO.	Fig.	Competitive Equivalent Aim	Amphenol	Molex	Description	Price Each 1	10	100	500
-9317	O	-----	-----	73133	Vertical PCB receptacle	3.02	2.52	2.28	2.08

UHF CONNECTORS

For quantities of 1000 and up, call for quote.

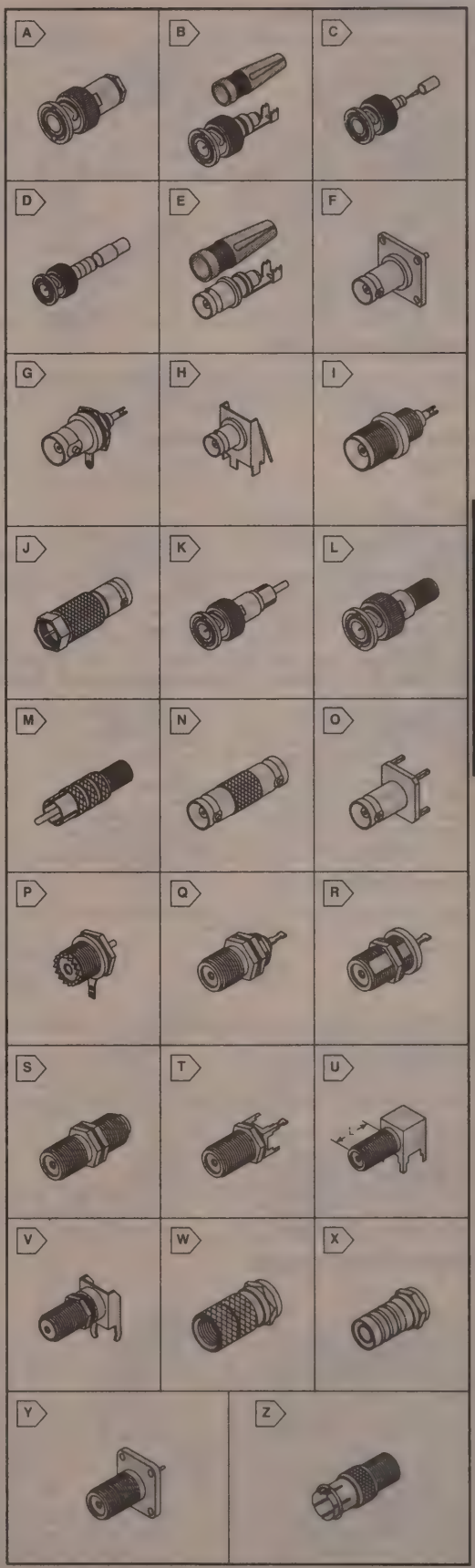
OUSER OCK NO.	Fig.	Amphenol Type	Description	RG/U Cable Type	Price Each 1	10	100	500
PJ104	P	83-875	Front panel mount	-----	1.55	1.29	1.18	1.06

"F" TYPE CONNECTORS

ATV / MATV) Type

For quantities of 1000 and up, call for quote.

OUSER OCK NO.	Fig.	Description	RG Cable Type	Price Each 1	10	100	500
SF061	Q	F type front mount receptacle, .38" mtg. hole	-----	1.05	.88	.80	.72
-0062	R	F type rear mount receptacle, .38" mtg. hole	-----	.86	.72	.65	.60
SF081	S	F type through chassis receptacle .38" mtg. hole	-----	1.24	1.04	.94	.86
-5370	T	F-61 PC mount receptacle	-----	.77	.51	.46	.42
-5371	U	F-61 PC mount receptacle, right angle L= .92"	-----	1.39	1.20	1.09	.99
-5373	U	F-61 PC mount receptacle, right angle L= .72"	-----	1.39	1.20	1.09	.99
-5372	V	F receptacle, panel mount, right angle	-----	1.39	1.20	1.09	.99
-9113	W	F connector, twist on	RG59U	.72	.48	.30	.27
-9114	X	F connector, CATV, crimp type	RG6U	.60	.40	.33	.30
-0059	X	F connector, crimp type	RG59U	.44	.29	.26	.24
-9126	Y	F receptacle, panel mount	-----	2.99	2.50	2.27	2.05
-5369	Z	F Jack to push-on plug	-----	.65	.50	.45	.41



BNC CONNECTORS

These are small, lightweight, weatherproof miniature connectors. The two stud bayonet coupling system of the BNC yields an easy-to-use, quick connecting/disconnecting device.

Features:
- Miniature
- Bayonet lock coupling
- Weatherproof

Specifications:
- Frequency Range: dc-4 GHz
- Voltage Rating: 500 Vrms
- Contract Plating: Gold
- Temperature: -65 to +165°C
- Mounting: PCB

BNC PCB Jacks

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Impedance	PCB Mounting	Body Plating	Description	Price Each 1	10	25	50
538-73100-0153	73100-0153	A	50	Vertical	Nickel	Brass Body, .175" Legs	2.58	2.06	1.86	1.65
538-73101-0030	73101-0030	B	75	Vertical	Nickel	Bulkhead, Metal Body, Fork Pins	1.94	1.55	1.40	1.25
538-73100-0105	73100-0105	C	50	Right Angle	Nickel	Narrow Profile, .118" Legs	1.55	1.24	1.12	1.00
538-73131-5003	73131-5003	D	50	Vertical	Nickel	Bulkhead, Black Valox Body	1.68	1.35	1.21	1.08
538-73137-5003	73137-5003	E	50	Right Angle	Nickel	Bulkhead, Black Valox Body	1.72	1.54	1.46	1.37
538-73100-0067	73100-0067	E	75	Right Angle	Nickel	Bulkhead, Black Valox Body	2.06	1.86	1.75	1.65
538-73100-0069	73100-0069	E	75	Right Angle	Nickel	Bulkhead, White Valox Body	1.55	1.40	1.32	1.24
538-73101-0040	73101-0040	E	75	Right Angle	Nickel	Bulkhead, Metal Body	1.53	1.38	1.30	1.23
538-73101-0120	73101-0120	F	75	Right Angle	Nickel	Bulkhead, Metal Body, Low Profile	1.55	1.40	1.32	1.24

SMA CONNECTORS

SMA Connectors are high performance subminiature connectors for the microwave frequencies. These connectors are typically specified to operate up to 18GHz but will function mode free to 25GHz. The screw threaded coupling insures uniform contact of the outer conductors, which enables the SMA to minimize reflections and attenuation at higher frequencies while providing a high degree of mechanical strength and durability.

Features:
- Subminiature
- Threaded coupling

Specifications:
- Frequency Range: dc - 18 GHz
- Voltage Rating: 335 Vrms
- Temperature: -65 to +165°C
- Contact Plating: Gold
- Impedance: 50 ohm

Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Body Material	Plating	RG Cable	Mounting	Price Each 1	10	25	50
Straight										
538-73251-0450	73251-0450	G	Brass	Gold	174, 179, 187, 188, 316, LMR100 Belden 7805	Standard	2.93	2.64	2.49	2.35
538-73251-0151	73251-0151	G	Stnless Steel	Passivated	174, 179, 187, 188, 316, LMR100 Belden 7805	Standard	3.02	2.71	2.56	2.41
538-73251-0031	73251-0031	G	Stnless Steel	Gold	.141 Semi-Rigid	Standard	4.37	3.94	3.72	3.50
538-73251-0051	73251-0051	G	Stnless Steel	Gold	.086 Semi-Rigid	Standard	3.45	3.10	2.93	2.76
Right Angle										
538-73391-0230	73391-0230	H	Brass	Gold	174, 179, 187, 188, 316, LMR100 Belden 7805	Standard	4.50	4.05	3.82	3.60
538-73251-0211	73251-0211	H	Stnless Steel	Passivated	174, 179, 187, 188, 316, LMR100 Belden 7805	Standard	6.31	5.68	5.37	5.05

Jacks

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Body Material	Plating	Description	Price Each 1	10	25	50
538-73391-0070	73391-0070	I	Brass	Gold	Vertical PCB, .157" Legs	3.22	2.58	2.44	2.30
538-73391-0080	73391-0080	J	Zinc (Diecast)	Nickel	Right Angle PCB, .155" Legs	3.87	3.10	2.78	2.47
538-73100-0114	73100-0114	J	Brass	Gold	Right Angle PCB, .155" Legs	5.15	4.12	3.72	3.60
538-73251-0420	73251-0420	K	Stnless Steel	Passivated	2 hole flange, Blunt post	3.67	3.31	3.12	2.94
538-73251-0250	73251-0250	K	Stnless Steel	Passivated	2 hole flange, Solder cup	3.78	3.40	3.21	3.02
538-73251-0410	73251-0410	L	Stnless Steel	Passivated	4 hole flange, Blunt post	3.80	3.42	3.23	3.04

SMB CONNECTORS

These are a subminiature connector series designed for applications operating to 4 GHz. This series includes a snap on interface that is controlled by industry standard specifications and is easy to connect and disconnect.

Features:
- Subminiature
- Snap-on coupling
- Body Material: Brass
- Plating: Gold

Specifications:
- Frequency Rating: dc-4 GHz
- Voltage Rating: 500 Vrms
- Temperature: -65 to +165°C

Plugs

- Center contact solder termination
- Crimp braid termination

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Type	RG Cable	Impedance	Price Each 1	10	25	50
538-73100-0248	73100-0248	M	Straight solder/crimp cable	174, 179, 187, 188, 316	50 Ohm	4.51	3.61	3.25	2.90
538-73100-0257	73100-0257	N	Right angle solder/crimp cable	174, 188, 316	50 Ohm	5.11	4.61	4.35	4.10

Jacks

- PCB Standoffs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Type	Mounting	Impedance	Price Each 1	10	25	50
538-73100-0207	73100-0207	O	Vertical PCB, .155" Legs	PCB	50 Ohm	3.10	2.48	2.23	1.98
538-73100-0103	73100-0103	P	Right Angle PCB, .118" Legs	PCB	50 Ohm	3.87	3.10	2.78	2.47
538-73100-0097	73100-0097	P	Right Angle, Bulkhead PCB, .118" Legs	PCB	50 Ohm	4.95	3.96	3.56	3.17

MMCX CONNECTORS

Plugs

- Cable crimp
- Impedance: 50 ohm
- Plating: Gold

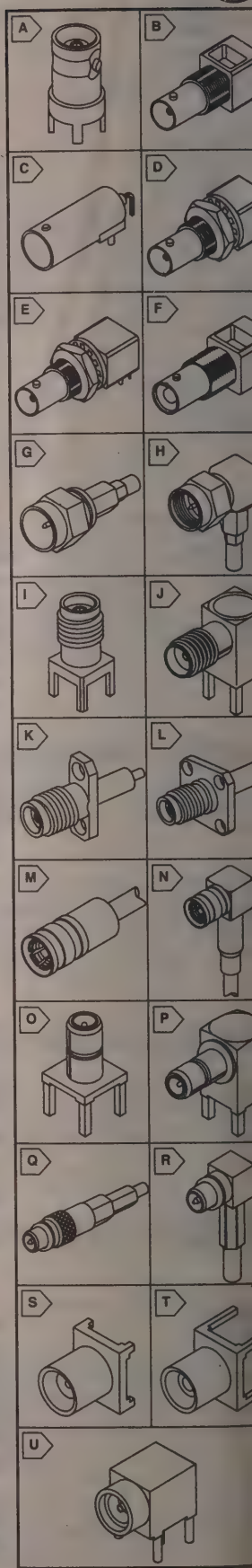
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Type	RG Cable	Mounting	Price Each 1	10	25	50
538-73415-0971	73415-0971	Q	Straight	178	Standard	3.72	2.97	2.67	2.38
538-73415-1251	73415-1251	Q	Straight	174, 316, LMR100, Belden 7805	Standard	3.87	3.10	2.78	2.47
538-73415-0951	73415-0951	R	Right Angle	178	Standard	3.87	3.10	2.78	2.47
538-73415-1121	73415-1121	R	Right Angle	174, 316, LMR100, Belden 7805	Standard	4.31	3.45	2.93	2.76

Jacks

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Type	Mounting	Price Each 1	10	25	50
538-73415-2061	73415-2061	S	Vertical, Surface Mount	PCB	2.21	2.00	1.88	1.77
538-73415-1471	73415-1471	T	Vertical, Surface Mount, .119" Legs	PCB	2.85	2.57	2.42	2.28
538-73415-1001	73415-1001	U	Right Angle, .118" Legs	PCB	4.45	4.01	3.79	3.57



Pomona ELECTRONICS

50-OHM BNC STRAIGHT COAXIAL PLUGS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
565—	7035	A	BNC (M) Crimp, 55A, 142, 142A, 223, 400	4.36	4.12	3.81
565—	7037	A	BNC (M) Crimp and Captive, 58, 58A, 58C, 141, 141A	4.36	4.12	3.81
565—	7038	A	BNC (M), Crimp and Captive, 55A, 142, 142A, 223, 400	4.36	4.12	3.81
565—	7039	A	BNC (M),Crimp and Captive, 58, 58A, 58C, 141, 141A	4.36	4.12	3.81
565—	7040	B	BNC (M), Crimp 174, 188, 188A, 316	5.18	4.90	4.58
565—	7041	B	BNC (M), Crimp, 179, 179B, 187, 187A, 174, 188, 188A, 316	5.24	4.95	4.58
565—	7207	C	BNC (M), 50 Ohms, Wrench Crimp RG-223, 50 Ohms	6.01	5.68	5.47

CRIMP TOOLS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25
565—	7277	D	Crimp Tool (Handle only)	72.71	69.07
565—	7278	D	Crimp, Die Set RG 55 / 58 / 59 / 62 / 141 / 142 / 223 / 303 / 400	33.05	31.40
565—	7279	D	Crimp Die Set RG 174 / 178 / 179 / 180 / 187 / 188 / 195 / 196 / 316	33.05	31.40
565—	7280	D	Crimp Die Set RG 6 / 59 / Belden 8281	33.05	31.40
565—	7281	D	Crimp Die Set 5 Cavity RG 58 / 59 N, BNC, TNC, SMA	33.05	31.40
565—	7282	D	Crimp Die Set For Sizes .278 .255 .068 .042	33.05	31.40

TNC STYLE STRAIGHT RF COAXIAL PLUGS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
565—	7048	E	TNC (M), Captive, 58*, 58A*, 58C, 141, 141A, 55A, 142, 142A, 223, 499	11.79	11.15	10.48
565—	7049	F	TNC (M) Crimp and Captive, 55A, 142, 142A, 223, 400	9.56	9.03	8.70
565—	7050	E	TNC (M) Crimp and Captive, 58*, 58A*, 58C, 141, 141A, 55A, 142, 142A, 223, 499	11.56	10.87	10.21

N STYLE STRAIGHT COAXIAL RF PLUGS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
565—	7057	E	Type N (M), 55, 142, 223, 400	10.82	10.22	9.52
565—	7058	G	Type N (M), 58*, 58A*, 58C, 141, 141A	17.48	16.52	15.39
565—	6767	H	Type N (M) Connector, 75 Ohm	10.64	10.05	9.37
565—	6768	I	Type N (F) Connector, 75 Ohm	11.20	10.58	9.86
565—	6769	J	Type N (F) Panel Mount, 75 Ohm	7.84	7.41	6.91
565—	6770	K	Type N (F/F) Adapter, 75 Ohm	15.69	14.83	13.82
565—	6771	L	Type N (M/M) Adapter, 75 Ohm	15.69	14.83	13.82
565—	6772	M	Type N (F/F/F) Adapter, 75 Ohm	22.44	21.21	20.66

RF COAXIAL JACKS & RECEPTACLES

For quantities of 100 and up, call for quote.

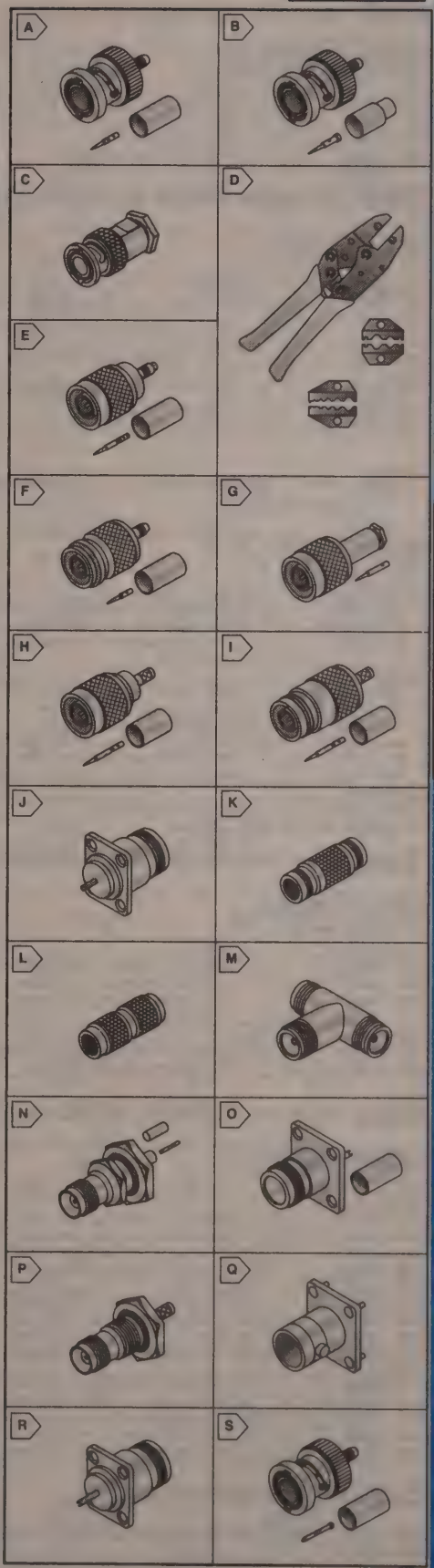
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
cks						
565—	7063	N	TNC (F) Bulkhead	16.51	15.60	14.53
565—	7064	O	TNC (F), Panel	31.59	29.85	27.81
565—	7065	P	TNC (F), Bulkhead	14.20	13.42	12.51
565—	7066	P	TNC (F), Bulkhead	14.13	13.35	12.44
ceptacles						
565—	7073	Q	BNC (F), Panel Mount 0.62" PC Board Thickness	13.80	13.04	12.15
565—	7074	R	Type N (F), Panel Mount 1.13 L x 0.44 W	15.12	14.29	13.31

BNC PLUGS, 75 OHM

recision machined brass with tarnish resistant nickel plating.
requency range of up to 3GHz.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
565—	7042	S	BNC (M), 75 Ohms, Belden 1407B, 1417B, 1164B, 1167B, 1418B, 11467B, 11865A	3.17	2.99	2.91
565—	7043	S	BNC (M), 75 Ohms, Belden 8241, 88241	3.66	3.46	3.35
565—	7232	S	BNC (M), 75 Ohms, RG-179, Belden 1520A and 1522A	4.08	3.86	3.75
565—	7233	S	BNC (M), 75 Ohms Comm/Scope 0222, Belden 8218, Belden YR23023	4.08	3.86	3.75
565—	7234	S	BNC (M), 75 Ohms RG-59, RG-62	4.08	3.86	3.75
565—	7235	S	BNC (M), 75 Ohms, AT&T 730 and 731	4.08	3.86	3.75
565—	7236	S	BNC (M), 75 Ohms, AT&T 734, Comm/Scope 734, Judd S95103101	4.08	3.86	3.75
565—	7237	S	BNC (M), 75 Ohms, AT&T 735, Comm/Scope 735, Judd S95103101	4.08	3.86	3.75



POMONA RF Connectors and Adapters

Pomona BNC WITHIN SERIES ADAPTERS

• Nickel plated brass

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Insulation	Price Each 1	25	50
565	3847	A	BNC Jack/Jack Hermetically sealed 50 Ohm	PTFE	16.56	15.73	14.95
565	3534	B	BNC Jack/Plug Right Angle 50 Ohm	PTFE	11.39	10.82	10.28
565	3283	C	BNC Jack/Jack 50 Ohm	PTFE	4.97	4.72	4.49
565	3284	D	BNC Jack/Jack/Jack 50 Ohm	PTFE	14.60	13.87	13.18

Pomona BETWEEN SERIES ADAPTERS AND KITS

• Nickel plating

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Insulation	Price Each 1	25	50
Adapters							
565	1269	E	BNC Jack to double stacking banana plug	ABS	6.21	5.90	5.60
565	1270	F	BNC Plug to double stacking banana plug	ABS	9.37	8.90	8.46
565	1452	G	BNC Jack to stackable binding posts	ABS	9.73	9.24	8.78
565	1296	H	BNC Plug to stackable binding posts	ABS	11.60	11.02	10.47
Kits							
565	5748	I	Maxi Universal coaxial RF adapter kit	-	248.47	236.05	224.24
565	5698	I	Universal Adapter Kit	-	124.24	118.03	112.13
565	6254	I	7/16 Din Adapter Kit	-	445.18	422.92	401.77

Pomona BNC TERMINATIONS, ATTENUATORS, AND WITHIN SERIES ADAPTERS

• Nickel plating

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
Terminations						
565	4119-50	J	BNC Feed-Thru Termination, 50 Ohm	48.66	46.23	43.92
565	4119-75	J	BNC Feed-Thru Termination, 75 Ohm	48.66	46.23	43.92
565	5297	K	BNC plug to jack with DC-blocking Series Cap, 1000pF, 600V	25.36	24.09	22.89
Adapters						
565	3846	L	BNC jack to BNC jack, 50 Ohm	15.53	14.75	14.02
565	3533	M	BNC plug to BNC plug, 50 Ohm	9.32	8.85	8.41
565	4896	N	BNC Plug/Jack/Jack, 50 Ohm	20.40	19.38	18.41
565	6700	O	BNC Jack/Plug/Jack, In-line space saving, 50 Ohm	13.29	12.63	11.99
565	6701	P	BNC Jack/Plug/Jack, Right angle space saving, 50 Ohm	15.17	14.41	13.69
565	3285	Q	BNC Jack/Plug/Jack, Standard, 50 Ohm	13.20	12.54	11.91
Attenuators						
* 565	4106-__	R	BNC 50W Attenuator	60.05	57.05	54.20

* (select dB) -3dB, -6dB, -10dB, -14dB, -20dB

Pomona SMA 50 OHM WITHIN SERIES ADAPTERS & TERMINATORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Insulation	Price Each 1	25	50
Adapters							
565	4283	S	SMA plug to SMA plug, gold plated	Teflon	7.97	7.57	7.19
565	4284	T	SMA jack to SMA jack, gold plated	Teflon	7.81	7.42	7.05
565	4282	U	SMA jack to SMA plug, Right Angle, gold plated	Teflon	9.11	8.65	8.22
Terminators							
565	4286	V	SMA Terminator plug, 50 Ohm, gold plated	Teflon	36.90	35.06	33.30
565	5088	W	SMA Shorting Cap, gold plated	-	16.56	15.73	14.95

Pomona COAXIAL BETWEEN SERIES ADAPTERS

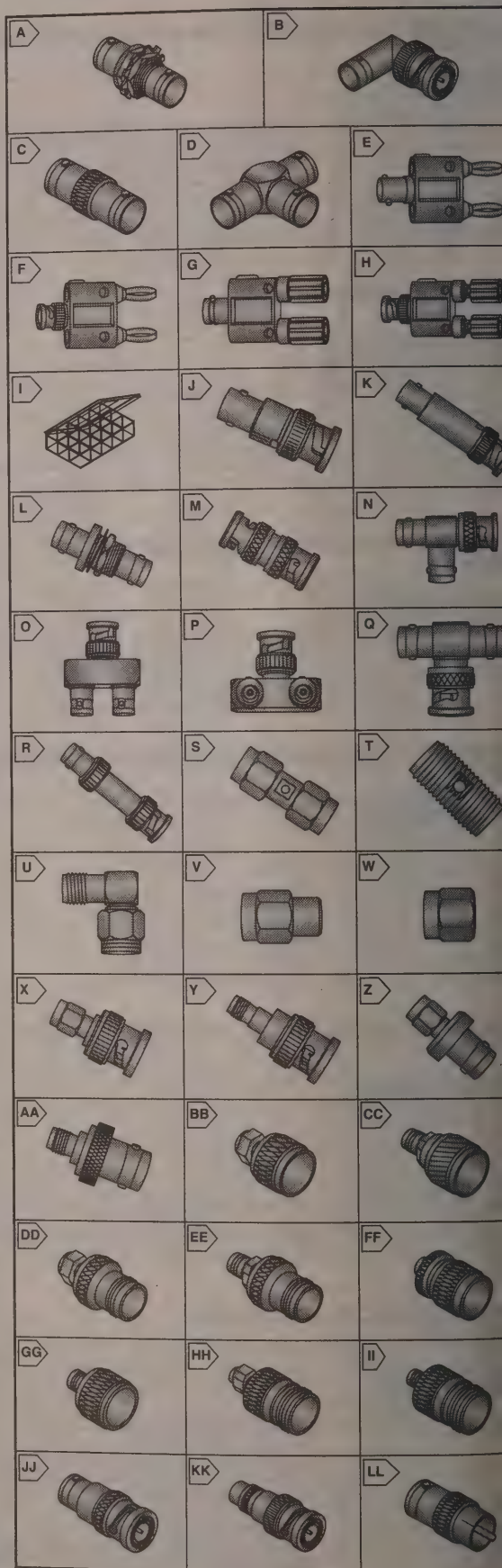
For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Insulation	Price Each 1	25	50
SMA to BNC							
565	4288	X	SMA plug to BNC plug, gold plated	Teflon	8.35	7.93	7.54
565	4289	Y	SMA jack to BNC plug, gold plated	Teflon	7.52	7.14	6.79
565	4290	Z	SMA plug to BNC jack, gold plated	Teflon	7.38	7.01	6.66
565	4291	AA	SMA jack to BNC jack, gold plated	Teflon	6.88	6.54	6.21
SMA to TNC							
565	4292	BB	SMA Plug to TNC Plug, gold plated	PTFE	8.78	8.34	7.92
565	4293	CC	SMA Jack to TNC Plug, gold plated	PTFE	18.61	17.68	16.80
565	4294	DD	SMA Plug to TNC Plug, gold plated	PTFE	8.28	7.87	7.47
565	4295	EE	SMA Jack to TNC Plug, gold plated	PTFE	17.78	16.89	16.05
SMA to Type N							
565	4296	FF	SMA Plug to type N Plug, gold plated	PTFE	12.96	12.31	11.70
565	4297	GG	SMA Jack to type N Plug, gold plated	PTFE	15.26	14.50	13.77
565	4298	HH	SMA Plug to type N Jack, gold plated	PTFE	15.05	14.30	13.58
565	4299	II	SMA Jack to type N Jack, gold plated	PTFE	18.82	17.88	16.99
565	5300	JJ	BNC Jack to Plug Triax, nickel plated brass	PTFE	28.99	27.54	26.16

Pomona AUDIO/VIDEO ADAPTERS

For quantities of 100 and up, call for quote.

565	4054	KK	BNC Plug to Phono Jack, nickel plating	-	15.74	14.95	14.21
565	5319	LL	BNC Jack to Phono Jack, nickel plating	-	5.75	5.46	5.19



DEO BROADCAST

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. fr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
Ohm Digital BNC Connectors						
65—	6702	A	BNC (M) for Digital Video, RG59/U, (Belden 1505A), 20 AWG	3.04	2.89	2.75
65—	6703	A	BNC (M) for Digital Video, RG6/U, (Belden 1694A), 18 AWG	2.98	2.83	2.69
65—	6704	A	BNC (M) for Video Broadcast, RG59/U, (Belden 1855A), 23 AWG	3.30	3.14	2.98
65—	6705	B	BNC (F/F) Isolated Panel Connector for Digital Video	14.71	13.97	13.27
Ohm BNC Connectors and Adapters						
65—	6752A	C	BNC (m) Crimp for RG59, 59A, 59B, 62, 210 cable	3.05	2.90	2.76
65—	6746A	D	BNC (m) Comp Style, field inst, for RG59, 59A, 59B, 62, 210 cable	3.48	3.31	3.14
Ohm BNC Within Series Adapters						
65—	6738	E	BNC (f/f/f) Adapter	4.79	4.55	4.32
65—	6739	F	BNC (f/m/f) Adapter	4.36	4.14	3.93
65—	6754	G	BNC (f/m/f) Adapter, In-line	5.27	5.01	4.76
65—	6740	H	BNC (m/m) Adapter	4.82	4.58	4.35
65—	6737	I	BNC (f/f) Adapter	3.69	3.51	3.33
65—	6744	J	BNC (f/f) Panel Mount, Hermetically Sealed Adapter	4.07	3.87	3.68
Ohm BNC Panel Receptacles						
65—	6736	K	BNC (f) Panel Receptacle, 0.50 in. (13.46mm) hole spacing	6.72	6.38	6.06
65—	6735	L	BNC (m) Panel Receptacle, 0.50 in. (13.46mm) hole spacing	6.72	6.38	6.06
Ohm BNC Female PCB Mount						
65—	6748	M	BNC (f) PCB Mount, Right Angle	4.89	4.65	4.42
65—	6747	N	BNC (f) PCB Mount, Vertical	6.72	6.38	6.06
65—	6718	O	BNC (f) PCB Mount, Dual Right Angle, White Valox	13.94	13.24	12.58
Ohm BNC Bulkhead Receptacles						
65—	6745	P	BNC (f) Bulkhead Receptacle, 75 Ohm	5.91	5.61	5.33
65—	6749	Q	BNC (m) Bulkhead Receptacle, 75 Ohm	4.89	4.65	4.42
65—	6741	R	BNC (f) Bulkhead Receptacle, Isolated Ground, 75 Ohm	5.91	5.61	5.33
Ohm BNC Terminators, Dust Cap, Shorting Cap						
65—	4391-75	S	BNC 75 Ohm Attenuator	28.51	27.08	25.73
65—	3840-75	T	BNC Male Terminator Plug, 75 Ohm	11.09	10.54	10.01
65—	4119-75	U	BNC Feed-Thru Termination, 75 Ohm	49.63	47.15	44.79
65—	5085	V	BNC Shorting Cap	4.42	4.20	3.99
65—	3839	V	BNC Dust Cap	2.17	2.06	1.96

Ohm BETWEEN SERIES ADAPTER

For quantities of 100 and up, call for quote.

Ohm BNC to F						
65—	6779	W	BNC (m) 75 Ohm / F (f)	4.91	4.66	4.43
65—	6780	X	BNC (f) 75 Ohm / F (f)	4.85	4.61	4.38
65—	6781	Y	BNC (f) 75 Ohm / F (m)	4.91	4.66	4.43
65—	6782	Z	BNC (m) 75 Ohm / F (m)	4.91	4.66	4.43
65—	5319	AA	BNC Female to Phono Plug	5.87	5.58	5.30
65—	4054	BB	BNC Male to Phono Jack	16.05	15.25	14.49
65—	1297	CC	BNC Female to 1/4in (6.35mm) Phone Plug	10.35	9.83	9.34
65—	3837	DD	BNC Female to Two Conductor, 0.14in (3.5mm) Dia. Tini Plug	12.15	11.54	10.96
65—	4043	EE	BNC Male to 1/4in (6.35mm) Two Conductor Phone Jack	26.40	25.08	23.83
65—	4267	DD	BNC Female to Two Conductor Micro Plug	14.78	14.04	13.34
65—	6519	FF	BNC Female to Mini-WECO Plug Adapter	27.95	26.55	25.22
65—	5008	FF	BNC Female to Standard WECO Plug Adapter	38.02	36.12	34.31
65—	4719	GG	BNC Female to Bantam Plug Adapter	18.80	17.86	16.97

Ohm CABLE ASSEMBLIES

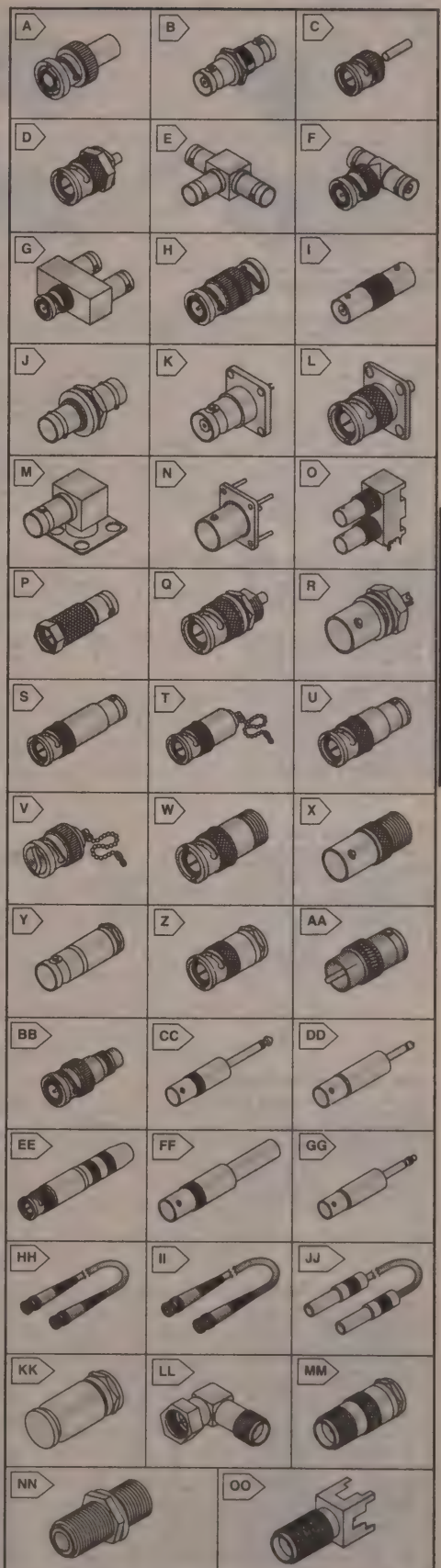
For quantities of 100 and up, call for quote.

MOUSER STOCK NO. fr.	Mfr. Part No.	Fig.	Description	Length	Price Each 1	25	50
65—	6510-V-36-0	HH	BNC Male True 75 Ohm High Flex Cable	36in (0.9m)	15.84	15.05	14.30
65—	6510-V-48-0	HH	BNC Male True 75 Ohm High Flex Cable	48in (1.2m)	19.01	18.06	17.16
65—	6510-V-60-0	HH	BNC Male True 75 Ohm High Flex Cable	60in (1.5m)	19.01	18.06	17.16
65—	6510-V-72-0	HH	BNC Male True 75 Ohm High Flex Cable	72in (1.8m)	19.01	18.06	17.16
65—	2249-E-36	II	BNC Male Cable with Molded Strain Reliefs	3ft (0.9m)	13.73	13.04	12.39
65—	2249-E-72	II	BNC Male Cable with Molded Strain Reliefs	6ft (1.8m)	16.16	15.35	14.58
65—	2249-E-96	II	BNC Male Cable with Molded Strain Reliefs	8ft (2.4m)	17.79	16.90	16.06
65—	2249-E-120	II	BNC Male Cable with Molded Strain Reliefs	10ft (3.0m)	19.43	18.46	17.54
65—	2249-E-144	II	BNC Male Cable with Molded Strain Reliefs	12ft (3.7m)	21.01	19.96	18.96
65—	2249-E-180	II	BNC Male Cable with Molded Strain Reliefs	15ft (4.6m)	23.24	22.08	20.98
65—	2249-E-240	II	BNC Male Cable with Molded Strain Reliefs	20ft (6.1m)	27.46	26.09	24.79
65—	2249-E-300	II	BNC Male Cable with Molded Strain Reliefs	25ft (7.6m)	31.68	30.10	28.60
65—	2249-E-600	II	BNC Male Cable with Molded Strain Reliefs	50ft (15.2m)	51.74	49.15	46.69

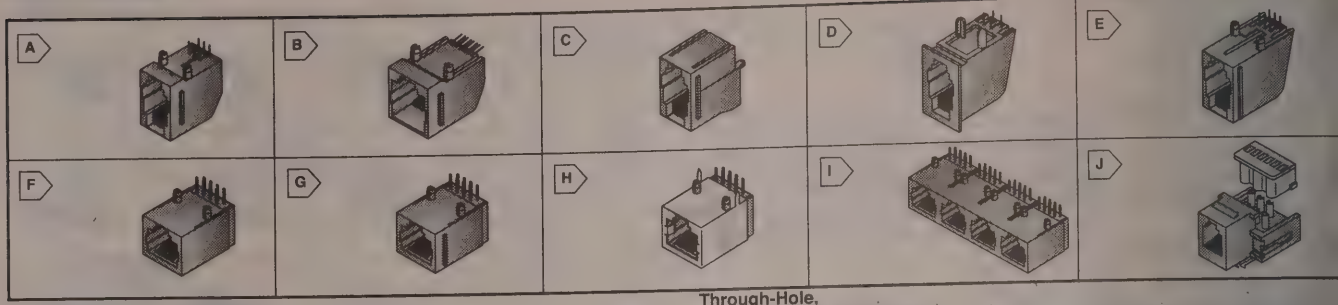
CONNECTORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. fr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
65—	6707	JJ	75 Ohm Type F (m) Crimp for RG6 Cable, Gold plated.	2.57	2.44	2.32
65—	6708	KK	75 Ohm Type F (m) Crimp for RG59 Cable, Gold plated.	2.34	2.22	2.11
Ohm Type "F" Within Series Adapters						
65—	6800	LL	75 Ohm Type F (m/f) Right Angle Adapter	1.90	1.81	1.72
65—	6801	MM	75 Ohm Type F (m/f) in-line Adapter	1.80	1.71	1.62
Ohm Type "F" Bulkhead Receptacle						
65—	6802	NN	75 Ohm Type F (f/f) in-line, with nut and washer	1.85	1.76	1.67
Ohm Type "F" PCB Mount						
65—	6803	OO	75 Ohm Type F(f), vertical mount with PTFE insulator	2.11	2.00	1.90



AMP Modular Jacks



PCB MODULAR JACKS

This series is designed for direct mounting onto a printed circuit board and are available in two profile heights; low and standard for through-hole, low only for surface mount and shielded through-hole applications.

Specifications:
- Color: Black
- Current Rating: 1.5 amp max.
- Voltage Rating: 150 volts ac max.
- Durability: 750 mating cycles
- Housing: Through-Hole: Polyester, UL 94V-0 rated
- Housing: Surface Mount: Polyphenylene Sulfide, UL 94V-0 rated
- Contact: .014 (0.36) thk. Phosphor bronze; plated .000050 (0.00127) gold in contact area and .000150 (0.00381) tin-lead on solder tails, over .000050 (0.00127) nickel underplate

Features:
- Meets or exceeds FCC Part 68 rules and regulations
- Meets 1000 volt dielectric requirement
- Designed for ease of soldering and board cleaning
- Designed for direct mounting on pc boards
- Surface mount jacks compatible with vapor phase & IR reflow soldering
- UL: File No. E81956
- Terminal No. 1 is the terminal to the extreme left as you face the jack opening, tab notch down

Through Hole, Side Entry, Low Profile

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Positions	Contacts Loaded	Keyed	Price Each 1	10	100
With Panel Stops								
571-5551631	555163-1	A	6	6	No	.60	.54	.51
571-5551632	555163-2	A	6	4	No	1.03	.93	.87
571-5551621	555162-1	A	8	8	No	.61	.57	.54
571-5551661	555166-1	A	8	8	Yes	.50	.45	.44
Without Panel Stops								
571-5551651	555165-1	A	6	6	No	.53	.51	.46
571-5551652	555165-2	A	6	4	No	.51	.49	.44
571-5551641	555164-1	A	8	8	No	.56	.54	.49
571-5551671	555167-1	A	8	8	Yes	.56	.54	.49

Through-Hole, Side Entry, Low Profile - Shielded

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Positions	Contacts Loaded	Keyed	Style	Price Each 1	10	100
571-5551541	555154-1	A	6	6	No	PC Board ground	.76	.73	.66
571-5551531	555153-1	A	8	8	No	PC Board ground	.78	.70	.66
571-5551411	555141-1	A	8	8	No	Panel ground	.78	.70	.66
571-5565911	556591-1	A	8	8	Yes	PC Board ground	1.01	.91	.86

Surface Mount, Side Entry, Low Profile with Panel Stops

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Positions	Contacts Loaded	Keyed	Price Each 1	10	100
571-5550771	555077-1	B	6	6	No	1.16	1.04	.98
571-5550772	555077-2	B	6	4	No	1.16	1.04	.98
571-5552481	555248-1	B	8	8	No	1.18	1.06	1.00

Through-Hole, Top Entry

* Shielded - Tin-lead plated

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Positions	Contacts Loaded	Keyed	Price Each 1	10	100
With Panel Stops								
571-520257-2	520257-2	C	4	4	No	.45	.43	.39
571-5202582	520258-2	C	6	4	No	.48	.46	.42
571-5202583	520258-3	C	6	6	No	.49	.47	.43
571-5202594	520259-4	C	8	8	No	.51	.49	.44
571-5202604	520260-4	C	8	8	Yes	.65	.62	.57
*571-5579691	557969-1	C	8	8	No	.99	.95	.86
*571-5577301	557730-1	C	8	8	Yes	.99	.95	.86
Without Panel Stops								
571-5588721	558872-1	C	4	4	No	.55	.49	.47
571-520425-2	520425-2	C	6	4	No	1.00	.90	.85
571-5204253	520425-3	C	6	6	No	.49	.47	.43
571-5564161	556416-1	C	8	8	No	.51	.49	.44
571-5557991	555799-1	C	8	8	Yes	.84	.76	.72

Through-Hole, Side Entry with Center Latch

For quantities of 250 and up, call for quo

MOUSER STOCK NO.	AMP Part No.	Fig.	Positions	Contacts Loaded	Keyed	Price Each 1	10	100
Flanged								
571-520241-2	520241-2	D	4	4	No	.74	.67	.63
571-5202423	520242-3	D	6	6	No	.56	.51	.45
571-5202434	520243-4	D	8	8	No	1.44	1.30	1.23
With Panel Stops								
571-5202492	520249-2	E	4	4	No	.72	.65	.61
571-520250-2	520250-2	E	6	4	No	.48	.46	.42
571-520250-3	520250-3	E	6	6	No	.49	.47	.43
571-5202514	520251-4	E	8	8	No	.51	.49	.44
571-5202524	520252-4	E	8	8	Yes	.65	.62	.57
Without Panel Stops								
571-555980-1	555980-1	E	4	4	No	.61	.58	.53
571-555979-1	555979-1	E	6	4	No	.48	.46	.42
571-520470-3	520470-3	E	6	6	No	.66	.63	.57
571-520426-4	520426-4	E	8	8	No	.69	.66	.60
571-5545171	554517-1	E	8	8	Yes	1.23	1.11	1.05

Multi-Ports - Unshielded

Specifications:
- Current Rating: 1.5 amp max. @ 25°C
- Voltage Rating: 150 VAC max.
- Durability: 750 mating cycles
- Operating Temperature: -40°C to 70°C
- Housing: Polysulfone, black UL 94V-0
- Contact: .013 (0.33) phosphor bronze; plated .000050 (0.00127) gold in localized area and .000150 (0.00381) tin-lead on solder tails, over .000050(0.00127) nickel underplate
- Shield: .010 (0.25) copper alloy tin-lead plated

Features:
- Meets or exceeds FCC Part 68 rules and regulatio with industry standard pc board footprints
- Low profile and narrow width allow more ports to b packed into less space
- Center mounting leg standard on 8 port versions
- Available with two grounding paths; pc board and panel

* Keyed

For quantities of 250 and up, call for quo

MOUSER STOCK NO.	AMP Part No.	Fig.	Positions	Ports	No. of Contacts Per Port	Price Each 1	10	10
571-5577851	557785-1	F	8	1	8	.98	.88	.8
571-5580651	558065-1	F	10	1	10	1.75	1.58	1.4
571-5575621	557562-1	F	8	4	8	3.20	2.88	2.7
571-5575641	557564-1	F	8	6	8	4.80	4.32	4.0
571-5575661	557566-1	F	8	8	8	6.12	5.51	5.2

High Performance PCB Modular Jacks - Side Entry

Specifications:
- Current Rating: 1.5 amperes maximum at 25°C
- Voltage Rating: 150 VAC maximum
- Operating Temperature: -40°C to 70°C
- Mating/Unmating Forces: 5 pounds maximum
- Durability: 750 minimum mating cycles
- Housing: Polyester, black UL 94V-0
- Contact: Phosphor bronze, gold over nickel plated in contact area, tin-lead over nickel in solder area
- Shield: Brass, bright tin-lead plated

Features:
- Performance exceeds Near End Crosstalk (NEXT requirements of -40dB at 100 MHz per EIA/TIA 56
- Meets all dimensional, tolerance and metallic plat requirements of FCC Part 68
- Available in single port or multiple port configurations, shielded or unshielded

For quantities of 250 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Ports	Type	Description	Price Each 1	10	10
Single Ports								
571-5583411	558341-1	G	1	Unshielded	w/o panel stop	1.44	1.30	1.2
571-5583421	558342-1	H	1	Shielded	PC ground only	1.76	1.58	1.5
571-5583441	558344-1	H	1	Shielded	Panel & PC ground	2.24	2.02	1.9
Multi Ports								
571-5585031	558503-1	I	4	Shielded	PC ground only	8.68	7.81	7.3

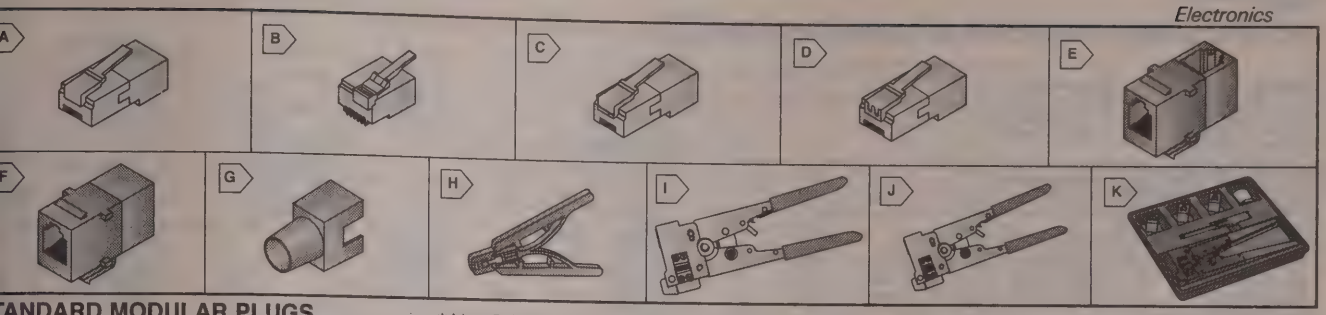
Modular Telephone Keystone Kits

These jacks are specially designed to snap into wallplates, panels and undercarpet fittings.

Features:
- Stuffer Cap: Clear polycarbonate
- AMP-BARREL Terminal: Tin plated phosphor bronze
- Label: Adhesive backed polyester
- Contacts: Nickel plated high strength copper alloy having selective gold plating in contact area and selective tin plating in AMP-BARREL terminal area
- Housing: Black thermoplastic, UL 94V-0
- All Keystone jacks are wired one-to-one

For quantities of 250 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Pairs (AWG)	Wire Gauge AWG	Price Each 1	10	10
IBM Approved Style Kits (Black)							
571-5539831	553983-1	J	3	22	4.04	3.64	3.4
571-5545461	554546-1	J	4	22	4.58	4.12	3.8
Commercial Style Kit (Black)							
571-5541711	554171-1	J	3	22-26	4.32	3.89	3.6
571-5545781	554578-1	J	4	22-26	4.52	4.07	3.8



STANDARD MODULAR PLUGS

ecifications:
lectrical: Applications- 150 VAC max. at 1.5A @ 25°C,
erated to .2A @ 70°C
urability: 750 mating cycles
emperature Rating: -40°C to +60°C
ousing: Polycarbonate, UL 94V-0

** Long Body

- Terminal: .014 (.36) thick, phosphor bronze; underplated with 100µin Nickel and plated with 50µin Gold in contact region and gold flash on remainder of terminal.
- Terminal No. 1 is the terminal to the extreme left as you face the cable opening, latch tab down.

Features:
- One-piece construction with preloaded contacts
- FCC and EIA/TIA industry standard size and performance

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Contacts Loaded	Description	Keyed	Price Each 1	10	100
Unshielded									
571-6413343	5-641334-3	A	4	4	Flat Oval Stranded Line, handset plug	No	.23	.22	.21
571-55563843	5-556384-3	A	6	4	Flat Oval Solid Line	No	.32	.30	.28
571-56413353	5-641335-3	A	6	4	Flat Oval Stranded Line	No	.22	.21	.19
571-5550423	5-555042-3	A	6	6	Flat Oval Solid Line	No	.33	.30	.28
571-6413373	5-641337-3	A	6	6	Flat Oval Stranded Line	No	.24	.23	.22
571-55547103	5-554710-3	A	6	6	Round Stranded Line	No	.29	.28	.27
571-55554263	5-555426-3	A	6	6	Flat Oval Solid Line	No	.62	.60	.54
571-55551763	5-555176-3	A	6	6	Flat Oval Stranded Line	No	.61	.56	.52
571-55551773	5-555177-3	A	6	6	Round Stranded Line	No	.61	.56	.52
571-55552372	5-555237-2	B	6	6	Flat Oval Line Stranded with Offset Latch	No	.68	.61	.58
571-5547203	5-554720-3	A	8	8	Flat Oval Solid Line	No	.54	.51	.47
571-5547393	5-554739-3	A	8	8	Flat Oval Stranded Line	No	.50	.48	.44
571-55573153	5-557315-3	A	8	8	Round Solid Line	No	.54	.51	.47
571-5541693	5-554169-3	A	8	8	Round Stranded Line	No	.50	.48	.44
571-5547433	5-554743-3	A	8	8	Flat Oval Stranded Line	Yes	3.20	2.87	2.72
571-5541703	5-554170-3	A	8	8	Round Stranded Line	Yes	.50	.48	.44
571-5557963-3	5-557963-3	A	10	10	Round Stranded Line	No	1.31	1.18	1.12
Shielded									
571-5551753	5-555175-3	C	6	6	Round Stranded Line	No	1.62	1.46	1.38
571-55695303	5-569530-3	C	8	8	Round Solid Line	No	1.55	1.39	1.32
571-55695503	5-569550-3	C	8	8	Round Solid Line	No	2.08	1.87	1.77

CATEGORY 5" MODULAR PLUGS - HIGH PERFORMANCE

tures:
xceeds EIA/TIA 568A and TSB-40A requirements for Category 5, 4-Pair (RJ45) UTP applications

- Utilizes a load bar for easier cable preparation and termination
- Load bar aids in maintaining 1/2" twist requirements

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Contacts Loaded	Description	Wire Gauge AWG	Keyed	Price Each 1	10	100
571-5558530-3	5-558530-3	D	8	8	Unshielded, Round Stranded Line	24	No	.74	.70	.64
571-55692783	5-569278-3	D	8	8	Unshielded, Round Solid Line	24-28	No	.79	.75	.69
571-55695523	5-569552-3	D	8	8	Shielded, Round Stranded Line	24-26	No	1.78	1.70	1.55
571-55695502	5-569550-2	D	8	8	Shielded, Round Solid Line	24-26	No	1.70	1.68	1.53

ODULAR COUPLERS

ompact couplers for two modular plugs; couplers snap into
585 x 0.765 rectangular wallplate cutouts. Wired one-to-one.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Type	Price Each 1	10	100
71-5550491	555049-1	E	6	Right Angle	3.32	3.00	2.82
71-5550511	555051-1	E	8	Right Angle	3.54	3.19	3.01
71-5550501	555050-1	F	6	In-Line	3.28	2.95	2.79
71-5550521	555052-1	F	8	In-Line	3.00	2.70	2.55
71-5553761	555376-1	F	8 Keyed	In-Line	3.74	3.37	3.18

BLE BOOTS

· 8 position modular plugs

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Price Each 1	10	100
1-5582111	558211-1	G	Black	.32	.31	.29
1-5582112	558211-2	G	Almond	.32	.31	.29
1-5582114	558211-4	G	Green	.32	.31	.29
1-5582115	558211-5	G	Blue	.32	.31	.29

ONOMY MODULAR CRIMPING TOOLS

os and terminates cable
t weight

MOUSER STOCK NO.	AMP Part No.	Fig.	Terminates	Price Each
-2316481	231648-1	H	2, 4 and 6 position plugs	24.48

"CATEGORY 5" HIGH PERFORMANCE CRIMP TOOL

MOUSER STOCK NO.	AMP Part No.	Fig.	Price Each
571-32316520	3-231652-0	I	113.99

Features:
- For use with modular plugs
- Cuts, strips, and terminates cable
- 8 position modular crimp tool with die

PROFESSIONAL HAND TOOLS

- Terminating tool with die

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-22316521	2-231652-1	J	8 position line	113.99
571-22316523	2-231652-3	J	4 position handset	113.99
571-2231652-6	2-231652-6	J	6 position offset-latch	113.99
571-22316527	2-231652-7	J	6 position long body	113.99
571-22316528	2-231652-8	J	4, 6 position line	113.99

DIE SET ONLY FOR PROFESSIONAL TOOLS

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Color	Price Each
571-8534001	853400-1	----	8 position line	Black	38.25
571-8534003	853400-3	----	4 position handset	Green	38.25
571-853400-6	853400-6	----	6 position offset-latch	Orange	38.25
571-8534007	853400-7	----	6 position long body	Violet	38.25
571-853400-8	853400-8	----	4, 6 position line	Blue	38.25

HAND TOOL KITS

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-12316661	1-231666-1	K	Carrying case with frame, 4 position handset, 4, 6 and 8 position die set, set of replacement strip blades and small screwdriver.	237.92
571-2316625	231662-5	--	1 set of strip blades	3.50

Modular Jacks and Plugs

AMPHENOL® EMI QUIET MODULAR JACKS WITH LED'S

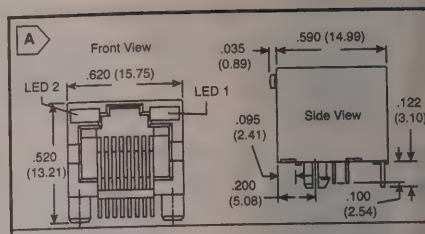
DIMENSIONS: IN. (mm)

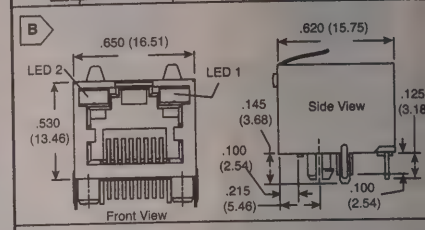
Features:
- Meets CAT 5 performance
- UL File #: E135615
- CSA File #: LR68598
- 8 position - 8 contact

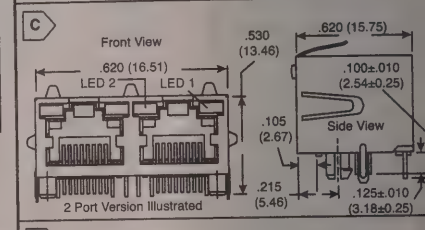
Specifications:
- Contacts:Flat Phosphor Bronze with 50µ" Au Plating
- Current Rating:1.5A
- Voltage Rating:125V

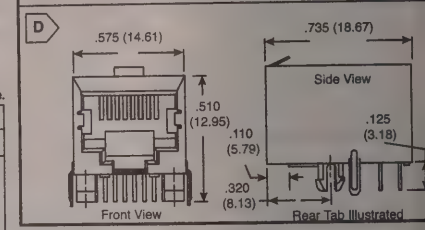
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	LED 2 Color	LED 1 Color	# of Ports	Price Each 1	10	50	100
RJ-45 Non-Shielded Jacks									
523-RJHS-5080	RJHS-5080	A	-----	-----	1	1.25	1.10	.90	.75
523-RJHS-5081	RJHS-5081	A	Yellow	Green	1	1.45	1.29	1.05	.86
523-RJHS-5084	RJHS-5084	A	Green	Yellow	1	1.45	1.29	1.05	.86
523-RJHS-5085	RJHS-5085	A	Green	Green	1	1.58	1.32	1.08	.94
RJ-45 Shielded Jacks									
523-RJHS-5380	RJHS-5380	B	-----	-----	1	1.87	1.65	1.57	1.28
523-RJHS-5381	RJHS-5381	B	Yellow	Green	1	2.38	1.92	1.73	1.49
523-RJHS-5384	RJHS-5384	B	Green	Yellow	1	2.38	1.92	1.73	1.49
523-RJHS-5385	RJHS-5385	B	Green	Green	1	2.38	1.92	1.73	1.49
523-RJHS-538A	RJHS-538A	B	Grn/Yel	Grn/Yel	1	2.71	2.55	2.05	1.84
RJ-45 Shielded Jacks - Multiple Ports									
523-RJHS-5381-02	RJHS-5381-02	C	Yellow	Green	2	4.67	3.89	3.50	3.02
523-RJHS-5381-03	RJHS-5381-03	C	Yellow	Green	3	6.18	5.14	4.63	3.99
523-RJHS-5381-04	RJHS-5381-04	C	Yellow	Green	4	8.20	6.82	6.14	5.29
523-RJHS-5384-02	RJHS-5384-02	C	Green	Yellow	2	4.53	3.77	3.40	2.92
523-RJHS-5384-04	RJHS-5384-04	C	Green	Yellow	4	7.95	6.61	5.96	5.13
523-RJHS-5384-08	RJHS-5384-08	C	Green	Yellow	8	15.78	13.13	11.83	10.19
523-RJHS-5385-02	RJHS-5385-02	C	Green	Green	2	4.50	3.74	3.37	2.91
523-RJHS-5385-04	RJHS-5385-04	C	Green	Green	4	7.92	6.59	5.94	5.11









AMPHENOL® FILTERED AND SHIELDED MODULAR JACKS

Features:
- Effective EMC control with a standard RJ-45 jack
- Drop in replacement for non-filtered RJ-45 jacks
- Ferrite Block for filtering
- UL File #: E135615
- CSA File #: LR68598

Specifications:
- Contacts: Flat Phosphor Bronze with 50µ" Au Plating
- Current Rating: 1.5A
- Voltage Rating: 125V
- 8 position - 8 contact

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each 1	10	50	100
523-FRJA-448	FRJA-448	D	Shielded Only (Rear Tabs)	2.10	1.88	1.70	1.38
523-FRJA-468	FRJA-468	D	Shielded and Filtered (Rear Tabs)	2.57	2.41	2.37	1.93
523-FRJA-438	FRJA-438	D	Shielded Only (Front Tabs)	2.40	2.15	1.92	1.66
523-FRJA-418	FRJA-418	D	Shielded and Filtered (Front Tabs)	2.83	2.69	2.44	2.01

FCI MODULAR JACKS

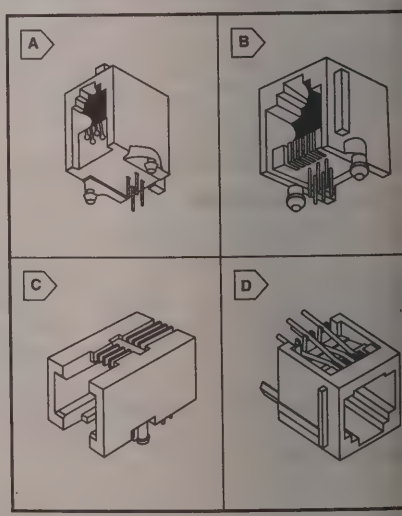
FCI

Features:
- Thru-hole, solder to board configuration
- Press-fit design eliminates hot and cold staking
- Mate with modular plugs conforming to FCC Part 68, Subpart F
- Housing: thermoplastic resin, UL94V-0 rating

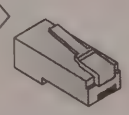
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	USOC Type	Positions-Contacts	Price Each 1	100	500	1000
Type 616 - PCB								
649-66010-001	66010-001	A	Handset	4-4	.70	.58	.48	.43
* 649-66011-001	66011-001	A	RJ11	6-4	.70	.58	.48	.43
Low Profile - PCB								
* 649-67968-001	67968-001	B	RJ11	6-4	.55	.53	.50	.47
649-67968-002	67968-002	B	RJ12	6-6	.60	.57	.54	.51
649-87180-044	87180-044	C	Handset	4-4, Horizontal	.83	.74	.62	.57
649-87180-066	87180-066	C	RJ12	6-6, Horizontal	.79	.66	.56	.54
649-87180-086	87180-086	C	RJ45	8-6, Horizontal	.91	.75	.64	.57
649-87180-088	87180-088	C	RJ45	8-8, Horizontal	.91	.75	.64	.57
Vertical - PCB								
649-69253-001	69253-001	D	Handset	4-4	.84	.74	.61	.51
649-69254-001	69254-001	D	RJ12	6-6	.91	.75	.62	.57
* 649-69254-002	69254-002	D	RJ11	6-4	.84	.74	.61	.51
649-69255-001	69255-001	D	RJ45	8-8	.91	.75	.62	.57

*Positions 1 and 6 unloaded.



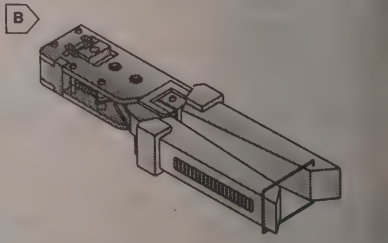
BOMAR EZ-RJ45™ CATEGORY 5 MODULAR SYSTEM



- EZ-RJ45™ connector simplifies installation by allowing the pairs to be passed through the connector and then trimmed to the edge of the plug.

For quantities of 100 and up, call for quote.

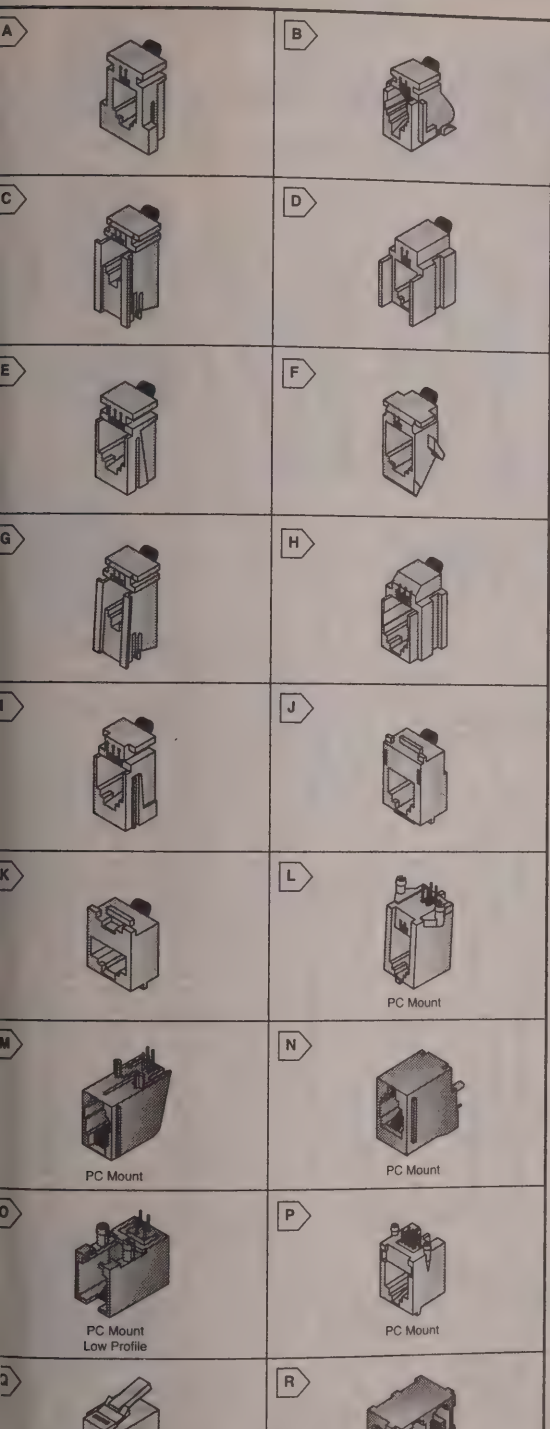
MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	RJ Type	Price Each 1	10	25	50
678-300566EZ	300566EZ	A	6P 6C EZ-Plug	12	.60	.50	.48	.45
678-300568EZ	300568EZ	A	8P 8C CAT5 Plug	45	1.10	.92	.87	.83
678-300668EZ	300668EZ	A	8P 8C CAT6 Plug	45	1.28	1.07	.92	.87
678-BD45000	BD45000	B	Crimp and trimming tool for EZ-RJ	11, 12, 45	90.00	85.00	call	call



The BD45000 Crimp Tool Crimps and Trims in one operation.

KOBICONN Modular Connectors and Tools

KOBICONN



316 Type - 4 conductor for handset to telephone use; 623 type - 4 or 6 conductor for telephone to wall use; 641 type - 8 conductor for telephone to wall or modern dialer use.

KOBICONN MODULAR JACKS WITH 4" WIRE LEADS

(Types marked with † have 50µ" gold plated contacts and meet the requirements of FCC 68.5 Document 47 Subpart F and UL 1863), all others have 6µ" gold plated contacts

• All wire leads have stripped and tinned terminations

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	USOC Type	Positions-Contacts	Western Electric Type *	Color	Price Each 1	10	100	500
† 154-UL616B	A	Handset	4-4	616B	Gray	1.28	1.19	1.10	.97
154-7616C	B	Handset	4-4	616C	Gray	1.39	1.15	.95	.87
154-7616D	C	Handset	4-4	616D	Gray	1.39	1.15	.95	.87
† 154-UL616M	D	Handset	4-4	616M	Gray	1.28	1.19	1.10	.97
154-7616M	D	Handset	4-4	616M	Gray	1.23	1.08	.95	.87
154-7616P	E	Handset	4-4	616P	Gray	1.39	1.15	.95	.87
† 154-UL616W	F	Handset	4-4	616W	Gray	1.28	1.19	1.10	.97
154-7616W	F	Handset	4-4	616W	Gray	1.23	1.08	.95	.87
154-7623D4	G	RJ11	6-4	623D4	Gray	1.39	1.15	.95	.87
154-7623D6	G	RJ12	6-6	623D6	Gray	1.18	.91	.83	.75
† 154-UL623K4	H	RJ11	6-4	623K4	Gray	1.33	1.25	1.14	1.03
154-7623K4	H	RJ11	6-4	623K4	Gray	1.19	1.06	.95	.87
† 154-UL623K6	H	RJ12	6-6	623K6	Gray	1.63	1.53	1.40	1.25
154-7623K6	H	RJ12	6-6	623K6	Gray	1.42	1.17	.97	.89
154-7623P4	I	RJ11	6-4	623P4	Gray	1.39	1.15	.95	.87
154-7623P6	I	RJ12	6-6	623P6	Gray	.90	.69	.63	.57
154-7652A4	J	RJ11	6-4	698A4	Gray	1.09	.83	.76	.69
† 154-7652A6	J	RJ12	6-6	698A6	Gray	1.29	1.09	.99	.90
154-UL641D	K	RJ45	8-8	641D	Gray	1.69	1.42	1.29	1.17
154-7641D	K	RJ45	8-8	641D	Gray	1.27	1.06	.96	.87
154-7647	K	RJ45	8-8K	647	Gray	1.69	1.42	1.29	1.17

KOBICONN MODULAR JACKS WITH PCB LEADS

E153135

(Types marked with † have 50µ" gold plated contacts and meet the requirements of FCC 68.5 Document 47 Subpart F and UL 1863), all others have 6µ" gold plated contacts

• Glass filled nylon

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	USOC Type	Positions-Contacts	Western Electric Type *	Color	Price Each 1	10	100	500
† 154-UL616PCB	L	Handset	4-4	616PCB	Gray	.83	.68	.57	.50
† 154-UL6441	M	Handset	4-4	616PCB	Black	.83	.68	.57	.50
† 154-UL6442	N	Handset	4-4	616PCB	Black	.83	.68	.57	.50
† 154-UL6443	O	Handset	4-4	616PCB	Black	1.22	1.13	.98	.84
154-7616PCB	L	Handset	4-4	616PCB	Gray	.75	.61	.51	.45
† 154-UL623-4PCB	L	RJ11	6-4	623PCB	Gray	.87	.71	.60	.52
† 154-UL623-6PCB	L	RJ12	6-6	623PCB	Gray	.88	.72	.61	.53
154-7623PCB	L	RJ12	6-6	623PCB	Gray	.79	.65	.55	.48
† 154-UL6641	M	RJ11	6-4	623PCB	Black	.87	.71	.60	.52
† 154-UL6661	M	RJ12	6-6	623PCB	Black	.88	.72	.61	.53
† 154-UL6642	N	RJ11	6-4	623PCB	Black	.87	.71	.60	.52
† 154-UL6662	N	RJ12	6-6	623PCB	Black	.88	.72	.61	.53
† 154-UL6643	O	RJ11	6-4	623PCB	Black	1.22	1.13	.96	.84
† 154-UL6663	O	RJ12	6-6	623PCB	Black	.97	.80	.68	.61
† 154-UL6881	M	RJ45	8-8	641PCB	Black	.93	.77	.64	.56
† 154-UL6882	N	RJ45	8-8	641PCB	Black	1.00	.83	.69	.60
† 154-UL6883	O	RJ45	8-8	641PCB	Black	1.27	.98	.78	.71
† 154-7641PCB	P	RJ45	8-8	641PCB	Gray	.93	.71	.65	.59

KOBICONN MODULAR PLUGS

E208482

†

(Types marked with † have 50µ" gold plated contacts and meet the requirements of FCC 68.5 Document 47 Subpart F and UL 1863), all others have 6µ" gold plated contacts

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	USOC Type	Positions-Contacts	Western Electric Type *	Color	Price Each 1	10	100	500
† 154-UL6164	Q	Handset	4-4	616	Clear	.23	.19	.16	.14
154-7616	Q	Handset	4-4	616	Clear	.21	.17	.14	.13
† 154-UL6234	Q	RJ11	6-4	623	Clear	.23	.19	.16	.15
154-7623-4	Q	RJ11	6-4	623	Clear	.21	.17	.14	.13
† 154-UL6236	Q	RJ12	6-6	623	Clear	.28	.23	.19	.16
154-7623-6	Q	RJ12	6-6	623	Clear	.25	.21	.17	.14
† 154-UL6418	Q	RJ45	8-8	641	Clear	.75	.60	.52	.47
154-7641	Q	RJ45	8-8	641	Clear	.68	.54	.47	.32

KOBICONN MODULAR TELEPHONE GANGED JACKS

The ganged jack, originally developed as a labor and space saving jack for OEM use, now has found extensive use in many new product designs. Modems, answering machines, and office equipment are but a few of the many potential applications.

Features:

- Western Electric 623/RJ11 PCB type
- 4 or 6 contacts
- 2-4 gang assemblies
- Color: gray
- Meets the requirements of FCC/CFR 47 part 68

Specifications:

- 50 micron gold plated contacts
- UL 94V-0 (25% glass filled nylon 66)

6 Positions 4 Contacts

MOUSER STOCK NO.	fig.	Gang	Price Each 1	10	100	500
154-6412	R	2	2.79	2.55	2.32	2.05
154-6413	R	3	3.53	3.24	2.95	2.61
154-6414	R	4	3.98	3.62	3.29	2.99

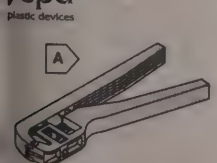
6 Positions 6 Contacts

For quantities of 1,000 and up, call for quote.

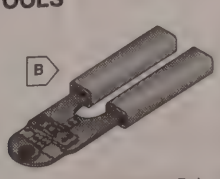
MOUSER STOCK NO.	fig.	Gang	Price Each 1	10	100	500
154-6612	R	2	3.27	2.73	2.48	2.26
154-6614	R	4	5.74	4.79	4.35	3.96

Jepd MODULAR CRIMPING TOOLS

plastic devices



Modular Plug Crimping Tool



Heavy Duty, Modular Plug Crimping Tool

Crimping Tool For Modular Connectors

MOUSER STOCK NO.	Fig.	Type of Use	Price Each 1	5	10	25
382-8100	A	6P/4C and 4P/4C modular plugs	7.99	6.99	5.49	5.19

Economy 3-Way Modular Crimping Tools

• Cuts, strips, and crimps • Black oxide finish • Hardened steel frame • Lightweight and durable

382-2194	B	For 4P4C and 4P2C plugs	16.43	15.90	---	---
382-2198	B	For 8P8C modular plugs	17.89	17.31	---	---

PULSE PulseJack™ Filtered Connectors

RJ45 SURFACE MOUNT JACKS

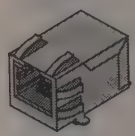
10/100 Base-TX surface mount RJ45 single port (1x1) Tab-UP/DOWN with or without LEDs Integrated Magnetics Connector, designed to support applications such as: Set Top Box and Network Interface Cards (NIC).

Features:
- High performance for maximum EMI suppression
- J3 SMT - Available with or without LEDs
- J0C SMT - Reduced size and low cost alternative to JV Series
- Internal Magnetics: 100% electrically tested for HI-POT & Continuity

Electrical Specifications:
- Meets or exceeds IEEE 802.3 standards for 10/100 Base-T
- Both transmit and receive channels meet IEEE 802.3 specifications
- Minimum 1500Vrms isolation per IEEE 802.3 requirement
- Insertion Loss TX/RX (dB Max.): -1
- Hipot (Vrms Min.) @ 60Hz for 1 minute: 1500

J0C Series

JV0 Series


J30 Series

For quantities of 500 and up, call for quote.

LED Color: G = Green, Y = Yellow

MOUSER STOCK NO.	Pulse Part No.	Turns Ratios		EMI Finger	LEDs L/R	Return Loss (dB Min.) 100Ω (±15Ω)	Crosstalk (dB TYP)	Common Mode Rejection (dB TYP)		Tab Option	BST Circuit	Price Each		
		TX	RX			1-10 MHz	1-10 MHz	1-50 MHz	50-130 MHz			1	25	100
673-J0C-0003	J0C-0003	1CT:1	1CT:1	No	No	-18	-35	-20	-20	Down	No	3.44	2.87	2.61
673-J0C-0004	J0C-0004	1CT:1	1CT:1	Yes	No	-18	-35	-20	-20	Down	No	3.44	2.87	2.61
673-J0C-0005	J0C-0005	1CT:1	1CT:1	No	No	-18	-35	-20	-20	Down	Yes	3.44	2.87	2.61
673-J0C-0006	J0C-0006	1CT:1	1CT:1	Yes	No	-18	-35	-20	-20	Down	Yes	3.44	2.87	2.61
673-JV006I21	JV006I21	1CT:1	1CT:1	Yes	No	-20	-40	-30	-20	Down	No	5.47	4.56	4.15
673-JV011I21	JV011I21	1CT:1	1CT:1	Yes	No	-20	-40	-30	-20	Down	Yes	5.83	4.86	4.42
673-JV026I21	JV026I21	1CTS:1	1CT:1	Yes	No	-20	-40	-30	-20	Down	Yes	6.13	5.11	4.65
673-J3006G21D	J3006G21D	1CT:1	1CT:1	Yes	G/Y	-20	-40	-30	-20	Up	No	6.13	5.11	4.65
673-J3011G21D	J3011G21D	1CT:1	1CT:1	Yes	G/Y	-20	-40	-30	-20	Up	Yes	6.98	5.82	5.29
673-J3018G21K	J3018G21K	1CTS:1.414	1CT:1	Yes	G/G	-20	-40	-30	-20	Up	Yes	7.86	6.55	5.96
673-J3026G01D	J3026G01D	1CTS:1	1CT:1	No	G/Y	-20	-40	-30	-20	Up	Yes	7.53	6.28	5.72
673-J3026G21D	J3026G21D	1CTS:1	1CT:1	Yes	G/Y	-20	-40	-30	-20	Up	Yes	7.53	6.28	5.72

RJ45 TAB-DOWN JACKS

10/100 Base-TX RJ45 1x1 Tab-DOWN with LEDs 8-pin (J0 Series) Integrated Magnetics Connector (ICM), designed to support applications such as: SOHO (ADSL Modems), LAN-on-Motherboard (LOM), Hub and Switches.

Features:
- High performance for maximum EMI suppression
- 1x1 Tab-DOWN RJ45 with integral magnetics
- Available with or without LEDs
- Suitable for CAT 5 & 6 fast ethernet cable or better UTP
- Internal Magnetics: 100% electrically tested for HI-POT & Functionality

Electrical Specifications:
- Meets or exceeds IEEE 802.3 standards for 100 Base-T
- Both transmit and receive channels meet IEEE 802.3 specifications
- 350μH minimum OCL with 8mA bias current
- Minimum 1500Vrms isolation per IEEE 802.3 requirement

For quantities of 500 and up, call for q

LED Color: G = Green, Y = Yellow, YG = Bi-Color LED Yellow Green, N/A = None

MOUSER STOCK NO.	Pulse Part No.	Turns Ratios		EMI Finger	LEDs L/R	Insertion Loss TX/RX (dB Max.)	Return Loss (dB Min.) 100Ω (±15Ω)				Crosstalk (dB TYP)			Common Mode Rejection (dB TYP)		Hipot (Vrms) Min.)	Price Each		
		TX	RX			1-65 MHz	1-10 MHz	10-30 MHz	30-60 MHz	60-80 MHz	1-30 MHz	30-60 MHz	60-100 MHz	1-50 MHz	50-150 MHz	@60Hz for 1 Min.	1	25	1
673-J0006D21B	J0006D21B	1CT:1	1CT:1	YES	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.29	5.24	4
673-J0011D21	J0011D21	1CT:1	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	5.47	4.56	4
673-J0011D21B	J0011D21B	1CT:1	1CT:1	YES	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.29	5.24	4
673-J0024D21	J0024D21	1CT:2	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.68	5.57	5
673-J0026D01B	J0026D01B	1CT:1	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	7.11	5.93	5
673-J0033D21	J0033D21	1.25CT:1	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	8.61	7.75	6
673-J0006D01B	J0006D01B	1CT:1	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	5.54	4.61	4
673-J0006D21	J0006D21	1CT:1	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	5.54	4.61	4
673-J0011D01	J0011D01	1CT:1	1CT:1	No	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.49	5.41	4
673-J0011D01B	J0011D01B	1CT:1	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.49	5.41	4
673-J0011D21E	J0011D21E	1CT:1	1CT:1	YES	G/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.49	5.41	4
673-J0012D21	J0012D21	1CT:1	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	5.63	4.70	4
673-J0018D21	J0018D21	1CT:1.414	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.68	5.57	5
673-J0018D21E	J0018D21E	1CT:1.414	1CT:1	YES	G/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	5.63	4.70	4
673-J0024D21B	J0024D21B	1CT:2	1CT:1	YES	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.68	5.57	5
673-J0026D01	J0026D01	1CT:1	1CT:1	No	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.68	5.57	5
673-J0026D01E	J0026D01E	1CT:1	1CT:1	No	G/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.68	5.57	5
673-J0026D01F	J0026D01F	1CT:1	1CT:1	No	Y/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.49	5.41	4
673-J0026D21	J0026D21	1CT:1	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	9.18	8.36	7
673-J0026D21B	J0026D21B	1CT:1	1CT:1	YES	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	9.18	8.36	7
673-J0026D21E	J0026D21E	1CT:1	1CT:1	YES	G/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	9.18	8.36	7
673-J0026D21F	J0026D21F	1CT:1	1CT:1	YES	Y/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	9.77	8.90	8
673-J0026D21G	J0026D21G	1CT:1	1CT:1	YES	YG/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	9.18	8.36	7
673-J0035D21B	J0035D21B	1CT:1	1CT:1	YES	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	9.18	8.36	7
673-J0048D21M	J0048D21M	1CT:1	1CT:1	YES	G/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	8.91	8.12	7
673-J0073D01B	J0073D01B	1CT:2.5	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500			

RJ45 TAB-UP JACKS

10/100 Base-TX RJ45 1x1 Tab-UP with LEDs 8-pin (J1 Series) and 6-pin (JP Series) Integrated Magnetics Connector (ICM), designed to support applications such as: SOHO (ADSL Modems), LAN-on-Motherboard (LOM), Hub and Switches.

Features:
- High performance for maximum EMI suppression
- 1x1 Tab-UP RJ45 with integral magnetics
- 8 or 6-pin signal versions available
- Available with LEDs
- Suitable for CAT 5 & 6 fast ethernet cable or better UTP
- Internal Magnetics: 100% electrically tested for HI-POT & Functionality

Electrical Specifications:
- Meets or exceeds IEEE 802.3 standards for 100 Base-T
- Both transmit and receive channels meet IEEE 802.3 specifications
- 350μH minimum OCL with 8mA bias current
- Minimum 1500Vrms isolation per IEEE 802.3 requirement

For quantities of 500 and up, call fo

LED Color: G = Green, Y = Yellow, G_O = Green/Orange Bi-Color, R = LEDs with resistors

MOUSER STOCK NO.	Pulse Part No.	Turns Ratios		EMI Finger	LEDs L/R	Insertion Loss TX/RX (dB Max.)	Return Loss (dB Min.) 100Ω (±15Ω)				Crosstalk (dB TYP)			Common Mode Rejection (dB TYP)		Hipot (Vrms) Min.)	Price Each	
		TX	RX			1-65 MHz	1-10 MHz	10-30 MHz	30-60 MHz	60-80 MHz	1-30 MHz	30-60 MHz	60-100 MHz	1-50 MHz	50-150 MHz	@60Hz for 1 Min.	1	25
673-J1006F01P	J1006F01P	1CT:1	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	5.76	4.32
673-J1006F21	J1006F21	1CT:1	1CT:1	YES	NONE	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	4.91	3.38
673-J1011F01P	J1011F01P	1CT:1	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.30	4.73
673-J1012F01C	J1012F01C	1CT:1	1CT:1	No	Y/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	4.65	3.86
673-J1012F21C	J1012F21C	1CT:1	1CT:1	YES	Y/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	4.65	3.86
673-J1012F21K	J1012F21K	1CT:1	1CT:1	YES	G/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	7.02	4.83
673-J1012F21L	J1012F21L	1CT:1	1CT:1	YES	RY/RG	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.88	4.73
673-J1012F21R	J1012F21R	1CT:1	1CT:1	YES	RG/RY	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.88	4.73
673-J1026F01	J1026F01	1CT:1	1CT:1	No	NONE	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.59	4.54
673-J1026F01P	J1026F01P	1CT:1	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	7.93	5.46
673-J1026F21C	J1026F21C	1CT:1	1CT:1	YES	Y/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	7.93	5.46
673-JP006821U	JP006821U	1CT:1	1CT:1	YES	G_O/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	7.16	4.93
673-JP011821U	JP011821U	1CT:1	1CT:1	YES	G_O/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	8.07	5.56
673-JP026821U	JP026821U	1CT:1	1CT:1	YES	G_O/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	10.80	9.84

KYCON Modular Jacks

CON RIGHT ANGLE MODULAR JACKS

ap-In board retention tabs
using Material: PBT Thermoplastic, UL94V-0 rated
ntact Material: Phosphor Bronze
rent Rating: 1.5 Amps
eld Material: Copper Alloy, Nickel plated

- Insulation Resistance: 500 Megohms min.
- Dielectric Withstanding Voltage: 1000VAC for 1 minute
- Contact Resistance: 20 Milliohms max.
- Standard Contact Plating: 15µ" Gold over Nickel 50µ" Gold plating available upon request

For quantities of 10000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	USOC Type	Positions-Contacts	Price Each 1	25	100	500	1000	5000
ey Body - .570" Height										
-GL-N-44	GL-N-44	A	Handset	4-4	.43	.35	.30	.22	.20	.18
-GL-N-64	GL-N-64	A	RJ11	6-4	.37	.30	.25	.19	.18	.17
-GL-N-66	GL-N-66	A	RJ12	6-6	.51	.42	.36	.27	.24	.22
ey Body with Panel Stops - .570" Height										
-GL-A-44	GL-A-44	B	Handset	4-4	.39	.32	.28	.20	.18	.16
-GL-A-64	GL-A-64	B	RJ11	6-4	.33	.27	.23	.19	.18	.17
-GL-A-66	GL-A-66	B	RJ12	6-6	.51	.42	.36	.27	.24	.22
y Short Body with Panel Stops - .570" Height										
-GL-N-88M	GL-N-88M	B	RJ45	8-8	1.11	1.04	.74	.66	.60	.54
-GL-N-1010M	GL-N-1010M	B	RJ45/10	10-10	1.31	1.23	.88	.78	.70	.63
ck Body with Panel Stops - .595" Height										
-GD-A-44	GD-A-44	C	Handset	4-4	.60	.52	.43	.33	.30	.27
-GD-A-64	GD-A-64	C	RJ11	6-4	.63	.52	.43	.33	.30	.27
-GD-A-66	GD-A-66	C	RJ12	6-6	.83	.68	.55	.43	.39	.35
-GD-A-88	GD-A-88	C	RJ45	8-8	1.06	.87	.71	.55	.49	.44
-GD-A-88K	GD-A-88K	C	RJ45	8-8	1.06	.87	.71	.55	.49	.44
ck Body - .492" Height										
-GDL-N-64	GDL-N-64	D	RJ11	6-4	.69	.65	.46	.41	.37	.33
-GDL-N-66	GDL-N-66	D	RJ12	6-6	.81	.77	.54	.49	.44	.39
-GDL-N-88	GDL-N-88	D	RJ45	8-8	.92	.87	.62	.55	.49	.44
-GDL-N-88K	GDL-N-88K	D	RJ45	8-8	.92	.87	.62	.55	.49	.44
ck Body with Panel Stops - .492" Height										
-GDL-A-64	GDL-A-64	E	RJ11	6-4	.76	.71	.50	.45	.43	.38
-GDL-A-66	GDL-A-66	E	RJ12	6-6	.88	.83	.59	.53	.50	.45
-GDL-A-88	GDL-A-88	E	RJ45	8-8	1.01	.95	.67	.60	.57	.51
-GDL-A-88K	GDL-A-88K	E	RJ45	8-8	1.01	.95	.67	.60	.57	.51
elded Black Body with Panel Stops - .492" Height										
-GDL-S-64	GDL-S-64	E	RJ11	6-4	1.28	1.20	.85	.76	.72	.64
-GDL-S-66	GDL-S-66	E	RJ12	6-6	1.41	1.33	.94	.84	.79	.70
-GDL-S-88	GDL-S-88	E	RJ45	8-8	1.33	1.25	.89	.80	.72	.64
-GDL-S-88K	GDL-S-88K	E	RJ45	8-8	1.33	1.25	.89	.80	.72	.64
face Mount Black Body with Panel Stops - .492" Height - High Temperature/Reflow Compatible										
-GDL-SMT-N-64	GDL-SMT-N-64	F	RJ11	6-4	.96	.90	.74	.57	.54	.48
-GDL-SMT-N-88	GDL-SMT-N-88	F	RJ45	8-8	1.28	1.20	.98	.76	.72	.64

ed

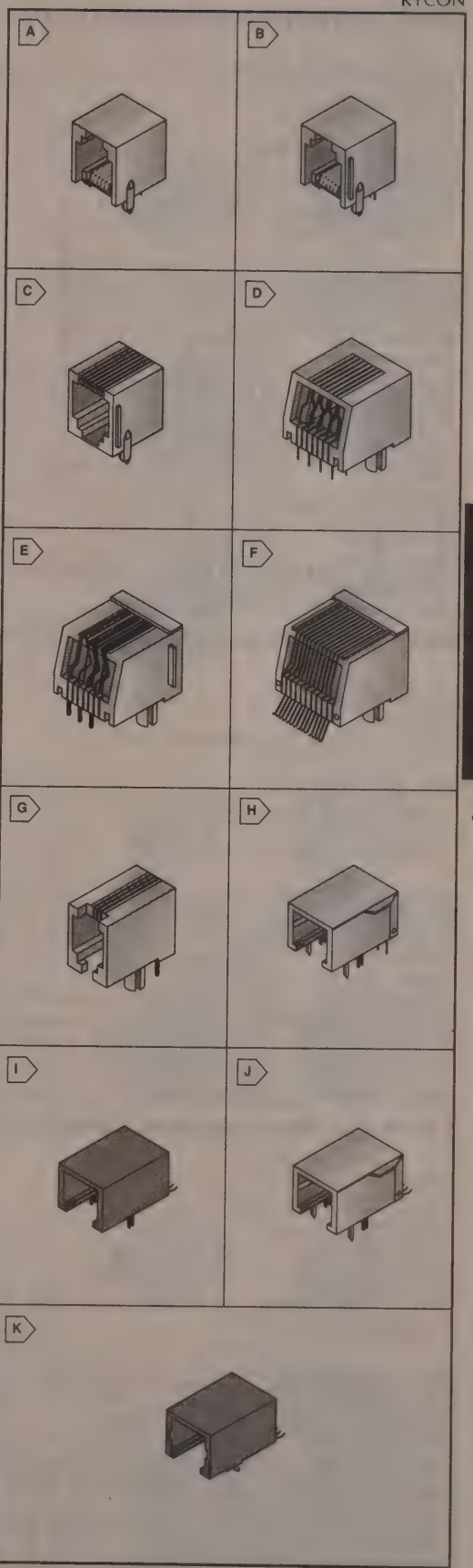
CON LOW PROFILE RIGHT ANGLE MODULAR JACKS

p-In board retention tabs
ding Material: PBT Thermoplastic, UL94V-0 rated
act Material: Phosphor Bronze
ent Rating: 1.5 Amps
d Material: Copper Alloy, Nickel plated
Profile

- Insulation Resistance: 500 Megohms min.
- Dielectric Withstanding Voltage: 1000VAC for 1 minute
- Contact Resistance: 20 Milliohms max.
- Standard Contact Plating: 15µ" Gold over Nickel 50µ" Gold plating available upon request

For quantities of 10000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	USOC Type	Positions-Contacts	Price Each 1	25	100	500	1000	5000
k Body - .450" Height										
GM-N-44	GM-N-44	G	Handset	4-4	.67	.63	.45	.40	.37	.33
GM-N-64	GM-N-64	G	RJ11	6-4	.67	.63	.45	.40	.37	.33
GM-N-66	GM-N-66	G	RJ12	6-6	.87	.82	.58	.52	.48	.43
GM-N-88	GM-N-88	G	RJ45	8-8	.94	.89	.63	.56	.51	.46
GM-N-1010	GM-N-1010	G	RJ45/10	10-10	1.34	1.27	.90	.80	.74	.66
elded Black Body - .450" Height										
GM-S-64	GM-S-64	H	RJ11	6-4	1.51	1.42	1.01	.90	.85	.76
GM-S-66	GM-S-66	H	RJ12	6-6	1.48	1.39	.99	.88	.80	.71
GM-S-88	GM-S-88	H	RJ45	8-8	1.62	1.53	1.08	.97	.87	.78
GM-S-1010	GM-S-1010	H	RJ45/10	10-10	1.89	1.78	1.26	1.13	1.04	.93
ace Mount Black Body - .450" Height - High Temperature/ Reflow Compatible										
GM-SMT2-N-44	GM-SMT2-N-44	I	Handset	4-4	.88	.83	.59	.53	.48	.43
GM-SMT2-N-64	GM-SMT2-N-64	I	RJ11	6-4	1.00	.94	.67	.60	.54	.48
GM-SMT2-N-66	GM-SMT2-N-66	I	RJ12	6-6	1.00	.94	.67	.60	.54	.48
GM-SMT2-N-88	GM-SMT2-N-88	I	RJ45	8-8	1.17	1.10	.78	.70	.63	.56
GM-SMT2-N-1010	GM-SMT2-N-1010	I	RJ45/10	10-10	1.33	1.25	.89	.80	.72	.64
ace Mount Shielded Black Body - .450" Height - High Temperature/ Reflow Compatible										
GM-SMT2-S-64	GM-SMT2-S-64	J	RJ11	6-4	1.55	1.46	1.04	.93	.83	.75
GM-SMT2-S-66	GM-SMT2-S-66	J	RJ12	6-6	1.61	1.52	1.08	.96	.87	.78
GM-SMT2-S-88	GM-SMT2-S-88	J	RJ45	8-8	1.99	1.88	1.33	1.19	1.07	.96
GM-SMT2-S-1010	GM-SMT2-S-1010	J	RJ45/10	10-10	1.97	1.86	1.32	1.18	1.06	.95
ce Mount Black Body (No Mounting Pegs) - .453" Height - High Temperature/ Reflow Compatible										
GM-SMT4-N-64	GM-SMT4-N-64	K	RJ11	6-4	1.18	1.11	.79	.70	.65	.58
GM-SMT4-N-88	GM-SMT4-N-88	K	RJ45	8-8	1.52	1.43	1.02	.91	.84	.75



KYCON RJ45 and IEEE 1394b Connectors

KYCON RJ45 RIGHT ANGLE MODULAR JACKS

- Category 5 100MHz bandwidth performance
- Attenuation at 100MHz less than 0.13dB
- Performance meets Near End Crosstalk (NEXT) requirements
- 8 Position - 8 Contact
- Snap-In board retention tabs
- Shield Material: Copper Alloy, Nickel plated
- Housing Material: Black PBT Thermoplastic, Glass Filled, UL94V-0 rated
- Contact Material: Phosphor Bronze
- Current Rating: 1.5 Amps
- Standard Contact Plating: 15µ" Gold over Nickel 50µ" Gold available upon request

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	No. of Ports	Ground Pin Spacing	Price Each 1	25	100	500	1000
Fully Shielded Body - .515" Height									
806-GS-NS-88-3.05	GS-NS-88-3.05	A	1	3.05mm	1.44	1.35	.96	.86	.77
806-GS-NS-88-3.68	GS-NS-88-3.68	A	1	3.68mm	1.44	1.35	.96	.86	.77
806-GS-NS-88-4.57	GS-NS-88-4.57	A	1	4.57mm	1.44	1.35	.96	.86	.77
Fully Shielded Body with Top Ground Tabs - .515" Height									
806-GS-NS2-88-3.05	GS-NS2-88-3.05	B	1	3.05mm	1.44	1.35	.96	.86	.77
806-GS-NS2-88-3.68	GS-NS2-88-3.68	B	1	3.68mm	1.44	1.35	.96	.86	.77
806-GS-NS2-88-4.57	GS-NS2-88-4.57	B	1	4.57mm	1.44	1.35	.96	.86	.77
Black Body Multi-Port - .530" Height									
806-GSG-N-2-88	GSG-N-2-88	C	2	-----	2.06	1.94	1.38	1.23	1.09
806-GSG-N-4-88	GSG-N-4-88	C	4	-----	4.13	3.90	2.77	2.47	2.19
Fully Shielded Body Multi-Port - .540" Height									
806-GSG-NS-2-88	GSG-NS-2-88	D	2	3.68mm	2.87	2.71	1.92	1.72	1.54
306-GSG-NS-4-88	GSG-NS-4-88	D	4	3.68mm	5.75	5.42	3.85	3.44	3.09
806-GSG-NS-8-88	GSG-NS-8-88	D	8	3.68mm	11.91	11.25	7.98	7.13	6.33
Fully Shielded Body Multi-Port with Top Ground Tabs - .540" Height									
806-GSG-NS2-288-368	GSG-NS2-288-368	E	2	3.68mm	2.98	2.81	1.99	1.78	1.58
806-GSG-NS2-488-368	GSG-NS2-488-368	E	4	3.68mm	5.96	5.63	3.99	3.57	3.17

KYCON RJ45 RIGHT ANGLE MODULAR JACKS WITH LEDS

- Easy viewing LEDs to act as Power/Transmit indicators
- Snap-In board retention tabs
- 8 Position - 8 Contact
- Housing Material: Black Nylon 46 Thermoplastic, UL94V-0 rated
- Shield Material: 0.25 thick Copper Alloy, Tin/Lead plated
- Contact Material: Phosphor Bronze
- Current Rating: 1.5 Amps
- Standard Contact Plating: 15µ" Gold over Nickel (50µ" Gold available upon request)
- LED Forward DC Current: 20mA
- LED Power Dissipation: Green 100mW, Yellow 72mW

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	No. of Ports	Grounding Tabs	LED 1	LED 2	Price Each 1	25	100	500
Fully Shielded Body - .531" Height										
806-GWL-S-88-G/Y	GWL-S-88-G/Y	F	1	-	Green	Yellow	1.98	1.87	1.33	1.20
806-GWL-S2-88-G/Y	GWL-S2-88-G/Y	F	1	side	Green	Yellow	1.98	1.87	1.33	1.20
806-GWL-S9-88-G/Y	GWL-S9-88-G/Y	F	1	top & side	Green	Yellow	1.98	1.87	1.33	1.20
Fully Shielded Body Multi-Port - .531" Height										
806-GWLG-S1-288-G/Y	GWLG-S1-288-G/Y	G	2	top & side	Green	Yellow	3.89	3.67	2.60	2.33
806-GWLG-S1-288-Y/G	GWLG-S1-288-Y/G	G	2	top & side	Yellow	Green	3.89	3.67	2.60	2.33
806-GWLG-S1-488-G/Y	GWLG-S1-488-G/Y	G	4	top & side	Green	Yellow	6.93	6.54	4.64	4.14
806-GWLG-S1-488-Y/G	GWLG-S1-488-Y/G	G	4	top & side	Yellow	Green	6.93	6.54	4.64	4.14
806-GWLG-S1-888-G/Y	GWLG-S1-888-G/Y	G	8	top & side	Green	Yellow	12.24	11.54	8.19	7.32

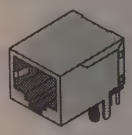
KYCON IEEE 1394B / FIRE WIRE CONNECTORS

- Rated 400 Mbps
- Supports hot plugging
- Operating Temperature: -55°C to +85°C
- 2mm pin spacing
- Shell: Nickel plated Copper alloy
- Durability: 1500 plus cycles
- Contacts: Phosphor Bronze
- Standard Contact Plating: 30µ" Gold over Nickel on contacts
- Tin/Lead over Nickel on Soldertails
- Insulator: PBT Thermoplastic, UL94V-0 Rated
- Voltage Rating: 30 VAC

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Insulator Color	Ground Tab Location	Price Each 1	10	25	100	500
Right Angle Vertical Upright Sockets - .484" Height									
806-KFWS-V-100B-30	KFWS-V-100B-30	H	Black	6.55mm	2.69	2.50	2.03	1.44	1.38
806-KFWS-V-100W-30	KFWS-V-100W-30	H	White	6.55mm	2.69	2.50	2.03	1.44	1.38
Right Angle Surface Mount Sockets - .327" Height - High Temperature/ Reflow Compatible									
806-KFWS-SMT-100B-30	KFWS-SMT-100B-30	I	Black	4.65mm	2.30	2.13	1.56	1.23	1.16
806-KFWS-SMT-100W-30	KFWS-SMT-100W-30	I	White	4.65mm	2.30	2.13	1.56	1.23	1.16
Shielded Right Angle Surface Mount Sockets - .327" Height - High Temperature/ Reflow Compatible									
806-KFWS-SMTBS100B30	KFWS-SMTBS-100B-30	J	Black	4.65mm	2.30	2.13	1.56	1.23	1.16
806-KFWS-SMTBS100W30	KFWS-SMTBS-100W-30	J	White	4.65mm	2.30	2.13	1.56	1.23	1.16

A



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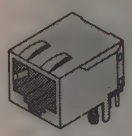

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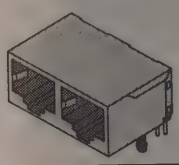

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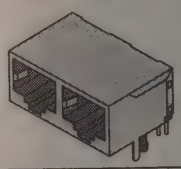

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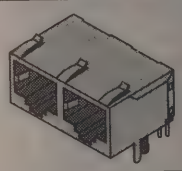

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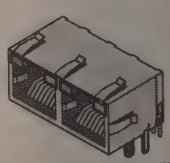

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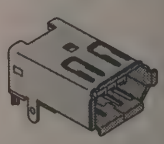

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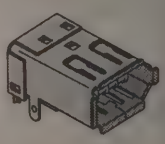


KYCON USB Connectors

KYCON

CON RIGHT ANGLE USB SOCKET CONNECTORS
B Series - Meets USB 1.1 and 2.0 Specifications

ator: PCB version: PBT Thermoplastic, UL94V-0 rated.
acts: Phosphor Bronze
l: Phosphor Bronze

- Contact Plating: Gold over Nickel on contacts
- Tin/Lead over Nickel on termination end
- SMT Version: High Temperature Thermoplastic, UL94V-0 rated
- Contact Resistance: 15 Milliohms max.
- Operating Temperature: -25°C to +80°C

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Type	Insulator Color	Plating	Price Each 1	25	100	500	1000
Mount										
6-KUSB-AS-1-N-BLK	KUSB-AS-1-N-BLK	A	A	Black	Gold Flash	.60	.47	.34	.28	.26
6-KUSB-AS-1-NBLK30	KUSB-AS-1-N-BLK-30	A	A	Black	30µ" Gold	.91	.72	.51	.43	.39
6-KUSB-AS-1-N-WHT	KUSB-AS-1-N-WHT	A	A	White	Gold Flash	.60	.47	.34	.28	.26
6-KUSB-AS-1-NWHT30	KUSB-AS-1-N-WHT-30	A	A	White	30µ" Gold	.91	.72	.51	.43	.39
6-KUSB-AS-2-N-BLK	KUSB-AS-2-N-BLK	B	A-Dual	Black	Gold Flash	.90	.71	.50	.42	.38
6-KUSB-AS-2-NBLK30	KUSB-AS-2-N-BLK-30	B	A-Dual	Black	30µ" Gold	1.39	1.09	.78	.66	.59
6-KUSB-AS-2-N-WHT	KUSB-AS-2-N-WHT	B	A-Dual	White	Gold Flash	.90	.71	.50	.42	.38
6-KUSB-AS-2-NWHT30	KUSB-AS-2-N-WHT-30	B	A-Dual	White	30µ" Gold	1.39	1.09	.78	.66	.59
6-KUSB-ASBS2N-BLK	KUSB-ASBS2N-BLK	B	A-Dual	Black	Gold Flash	.98	.77	.55	.46	.42
6-KUSB-BS-1-N-BLK	KUSB-BS-1-N-BLK	C	B	Black	Gold Flash	.71	.55	.39	.33	.30
6-KUSB-BS-1-NBLK30	KUSB-BS-1-N-BLK-30	C	B	Black	30µ" Gold	1.15	.91	.64	.51	.46
6-KUSB-BS-1-N-WHT	KUSB-BS-1-N-WHT	C	B	White	Gold Flash	.71	.55	.39	.33	.30
6-KUSB-BS-1-NWHT30	KUSB-BS-1-N-WHT-30	C	B	White	30µ" Gold	1.15	.91	.64	.54	.49
ce Mount										
6-KUSB-SMT-AS1N-B	KUSB-SMT-AS1N-B	D	A	Black	Gold Flash	1.03	.81	.58	.49	.44
6-KUSB-SMT-AS1N-W	KUSB-SMT-AS1N-W	D	A	White	Gold Flash	1.03	.81	.58	.49	.44
6-KUSB-SMT-AS1NW30	KUSB-SMT-AS1N-W30	D	A	White	30µ" Gold	1.36	1.07	.76	.64	.58
6-KUSB-SMT-BS1N-B	KUSB-SMT-BS1N-B	E	B	Black	Gold Flash	1.63	1.28	.91	.77	.69
6-KUSB-SMT-BS1NB30	KUSB-SMT-BS1N-B30	E	B	Black	30µ" Gold	1.79	1.40	.99	.84	.76
6-KUSB-SMT-BS1N-W	KUSB-SMT-BS1N-W	E	B	White	Gold Flash	1.63	1.28	.91	.77	.69
6-KUSB-SMT-BS1NW30	KUSB-SMT-BS1N-W30	E	B	White	30µ" Gold	1.79	1.40	.99	.84	.76

Backshield

CON VERTICAL SLIM PROFILE USB SOCKET CONNECTORS
B SL Series - Meets USB 1.1 and 2.0 Specifications

act Resistance: 30 Milliohms max.
ating Temperature: -55°C to +80°C
Mount

- Contact Plating: Gold over Nickel on contacts
- Tin/Lead over Nickel on termination end
- Contacts: Phosphor Bronze
- Insulator: PBT Thermoplastic
- Shell: Copper Alloy
- Slim Profile

For quantities of 5000 and up, call for quote.

USB-SL-AS1N-B	KUSB-SL-AS1N-B	F	A	Black	Gold Flash	1.15	.91	.64	.59	.53
USB-SL-AS1N-B30	KUSB-SL-AS1N-B30	F	A	Black	30µ" Gold	1.27	.99	.70	.64	.58
USB-SL-AS1N-W	KUSB-SL-AS1N-W	F	A	White	30µ" Gold	1.15	.91	.64	.59	.53

CON VERTICAL TOP ENTRY USB SOCKET CONNECTORS
BV Series - Meets USB 1.1 and 2.0 Specifications

tor: PBT Thermoplastic, UL94V-0 rated
act Resistance: 15 Milliohms max.
ating Temperature: -25°C to +80°C

- Contact Plating: Gold over Nickel on contacts
- Tin/Lead over Nickel on termination end
- Contacts: Phosphor Bronze
- PCB Mount
- Shell: Phosphor Bronze

For quantities of 5000 and up, call for quote.

USBV-AS-1-N-BLK	KUSBV-AS-1-N-BLK	G	A	Black	Gold Flash	.84	.66	.47	.38	.34
USBV-AS-1NBLK30	KUSBV-AS-1-N-BLK-30	G	A	Black	30µ" Gold	.97	.77	.55	.43	.38
USBV-AS-1-N-WHT	KUSBV-AS-1-N-WHT	G	A	White	Gold Flash	.84	.66	.47	.38	.34
USBV-AS-1NWHT30	KUSBV-AS-1-N-WHT30	G	A	White	30µ" Gold	.97	.77	.55	.43	.38
USBV-AS-2-N-WHT	KUSBV-AS-2-N-WHT	H	A-Dual	White	Gold Flash	1.86	1.47	1.04	.85	.76
USBV-BS-1-N-BLK	KUSBV-BS-1-N-BLK	I	B	Black	Gold Flash	1.12	.88	.63	.51	.46
USBV-BS-1-N-WHT	KUSBV-BS-1-N-WHT	I	B	White	Gold Flash	1.12	.88	.63	.51	.46

CON LOW PROFILE RIGHT ANGLE USB SOCKET CONNECTORS
BL Series - Meets USB 1.1 and 2.0 Specifications

lor: HTN Thermoplastic, UL94V-0 rated
ad over Nickel on termination end
cts: Phosphor Bronze

- Contact Plating: Gold over Nickel on contacts
- Operating Temperature: -55°C to +80°C
- Low Profile
- Contact Resistance: 30 Milliohms max.
- Shield: Copper, Nickel plated

For quantities of 5000 and up, call for quote.

Mount										
USBL-AS-2-N-B	KUSBL-AS-2-N-B	J	A-Dual	Black	Gold Flash	1.69	1.33	.95	.77	.69
USBL-AS-2-N-B30	KUSBL-AS-2-N-B-30	J	A-Dual	Black	30µ" Gold	2.05	1.61	1.15	.93	.84
USBL-AS-2-N-W	KUSBL-AS-2-N-W	J	A-Dual	White	Gold Flash	1.69	1.33	.95	.77	.69
USBL-AS-2-N-W30	KUSBL-AS-2-N-W-30	J	A-Dual	White	30µ" Gold	2.05	1.61	1.15	.93	.84
ce Mount										
USBL-SMTAS1NB	KUSBL-SMTAS1NB	K	A	Black	Gold Flash	1.38	1.09	.77	.63	.57
USBL-SMTAS1NB30	KUSBL-SMTAS1NB30	K	A	Black	30µ" Gold	1.56	1.23	.88	.71	.64
USBL-SMTAS1NW	KUSBL-SMTAS1NW	K	A	White	Gold Flash	1.38	1.09	.77	.63	.57
USBL-SMTAS1NW30	KUSBL-SMTAS1NW30	K	A	White	30µ" Gold	1.56	1.23	.88	.71	.64

CON SURFACE MOUNT TYPE A USB PLUG CONNECTORS
B-SMT2 Series

lor: PA6T Thermoplastic, UL94V-0 rated
Type A plug
cts: Phosphor Bronze

- Designed for use in Dongles and Adapters
- Operating Temperature: -55°C to +80°C
- Surface Mount
- Contact Resistance: 30 Milliohms max.
- Shield: Copper, Nickel plated (shielded)

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Plastic Posts (mm)	Insulator Color	Plating	Price Each 1	25	100	500	1000
USB-SMT2-AP1S-B	KUSB-SMT2-AP1S-B	L	0.90	Black	Gold Flash	2.14	1.69	1.20	.98	.88
USB-SMT2AP1SB30	KUSB-SMT2-AP1S-B30	L	0.90	Black	30µ" Gold	2.33	1.83	1.30	1.06	.95
USB-SMT2-AP1S-W	KUSB-SMT2-AP1S-W	L	0.90	White	Gold Flash	2.14	1.69	1.20	.98	.88
USB-SMT2AP1SW30	KUSB-SMT2-AP1S-W30	L	0.90	White	30µ" Gold	2.33	1.83	1.30	1.06	.95
USB-SMT2-AP5S-B	KUSB-SMT2-AP5S-B	L	1.35	Black	Gold Flash	2.14	1.69	1.20	.98	.88
USB-SMT2-AP5S-W	KUSB-SMT2-AP5S-W	L	1.35	White	Gold Flash	2.33	1.83	1.30	1.06	.95

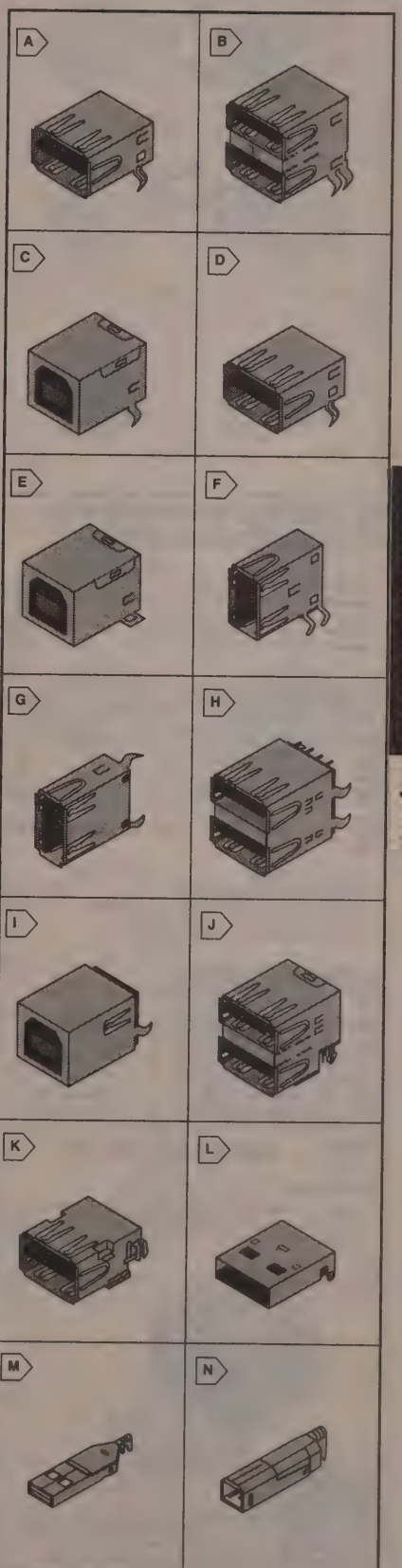
ON USB PLUG ASSEMBLIES
Series

or: PBT Thermoplastic, UL94V-0 rated

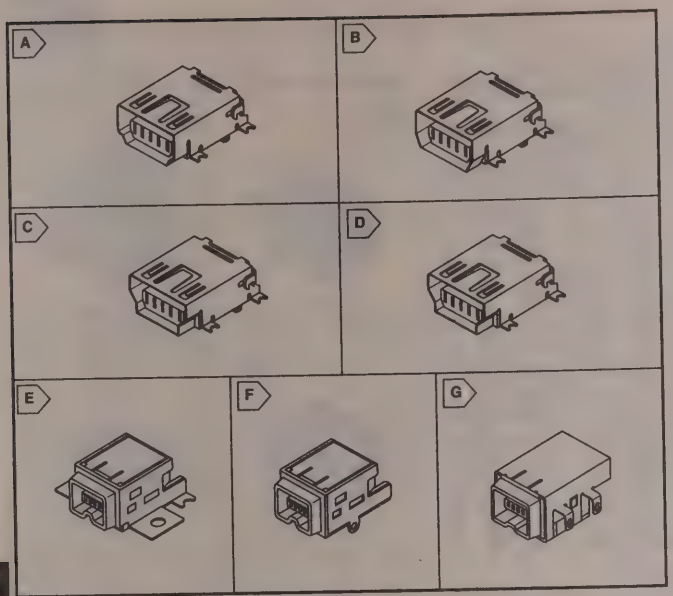
- Insulator Color: White
- Shell: Phosphor Bronze
- Solder Cup Ends

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Description	Price Each 1	10	25	50
USB-AP-KIT-SC	KUSB-AP-KIT-SC	M	USB A-type Plug Assembly	.94	.85	.67	.47
USB-BP-KIT-SC	KUSB-BP-KIT-SC	N	USB B-type Plug Assembly	.94	.85	.67	.47



USB and Firewire Connectors



SURFACE MOUNT MINI-USB SOCKET CONNECTORS

KYCON

- Overall size 1/3 of standard USB
- Indentations for grounding and mating retention
- Insulation resistance: 1000 Megohms min.
- Contacts: Phosphor bronze, 30u" gold plated
- Insulator: PA6T Thermoplastic, UL94V-0 rated
- Shell: Copper alloy, tin plating
- Voltage rating: 30VAC
- Contact current rating: 1A max.
- Contact resistance: 50 Milliohms max.
- Meets USB 2.0 specification

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Type	Insulator Color	Price Each			
Mfr.	Kycon Part No.				1	25	100	500
806	KMA-SMT-5SS-30TR	A	A	white	3.62	2.83	2.00	1.67
806	KMAB-SMT-5S-S-30	B	AB	grey	3.62	2.83	2.00	1.67
806	KMB-SMT-5S-S-30	C	B	black	3.62	2.83	2.00	1.67
806	KMB-SMT4-5SS30TR	D	B	black	3.62	2.83	2.00	1.67

4P MINI IEEE 1394 CONNECTORS

KYCON

- Rated up to 400Mbps
- Shell: Stainless steel, tin/lead plating
- Insulator: PBT thermoplastic, black, UL94V-0 rated
- Contacts: Phosphor bronze, 30u" gold plating
- Dielectric withstanding voltage: 750VAC for 1 min.
- Insertion force: 2kg max.
- Withdrawal force: 0.5kg min.
- Voltage rating: 30VAC
- Durability: 1000 Cycles min.
- Capacitance: 2pF max.

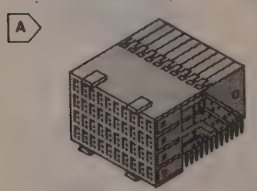
For quantities of 1000 and up, call for quote.

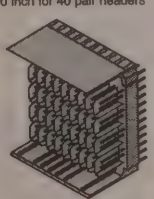
MOUSER STOCK NO.		Fig.	Type	Price Each			
Mfr.	Kycon Part No.			1	25	100	500
806	KMFS-SMT200B30TR	E	surface mount	3.86	3.02	2.14	1.78
806	KMFS-SMT-200B-30	E	surface mount	3.78	2.96	2.09	1.75
806	KMFS-PR-200B-30	F	PCB mount	3.54	2.77	1.96	1.64
806	KMFS-PR-201B-30	F	PCB mount	3.54	2.77	1.96	1.64
806	KMFS-SMT-310B-30	G	surface mount	1.98	1.55	1.10	.92
806	KMFS-SMT310B30TR	G	surface mount	2.16	1.69	1.20	1.00

tyco Electronics AMP Z-PACK HM-ZD

Specifications:

- Designed for high speed differential applications
- Modular connector system with a standard module size of 25mm
- 4 signal contact pairs per column compatible with 8 row HM
- Contact pitch is 1.55mm within a pair; 3.0mm pair to pair
- Column to column pitch is 2.5mm
- Card pitch is 1.0 inch for 40 pair headers

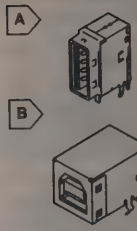




For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Pin Length	Price Each		
				1	5	10
571-14690011	A	Receptacle Assembly, 40 pair	------	17.16	15.44	14.59
571-14690021	B	Header Assembly, 40 pair	5.20	11.62	10.46	9.88
571-14690022	B	Header Assembly, 40 pair	3.70	11.62	10.46	9.88

molex USB RECEPTACLES



Electrical:

- Voltage: 30V
- Current: 1.0A

Features:

- Metal shell provides RFI/EMI protection
- Staked-housing provides excellent solder-tail alignment facilitating PCB mounting
- Kinked boardlocks provide strong board retention

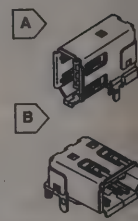
Physical:

- Housing: thermoplastic, UL94V-0 • Color: black
- Contact: phosphor bronze
- Temperature: 0° to 40°C (operating)

For quantities of 500 and up, call for q

MOUSER STOCK NO.		Fig.	Type	No. of Pos.	Contact Plating	Description	Price Each		
Mfr.	Molex Part No.						1	10	10
538	89485-0000	A	A	4	Gold flash	Single, upright	2.14	1.89	1.
538	67068-0000	B	B	4	Gold flash	Single	1.90	1.68	1.
538	67068-0001	B	B	4	30μ" Gold	Single	1.40	1.24	1.

molex IEEE 1394 FIREWIRE CONNECTORS



Features:

- Provides the interface for speeds up to 400 mbps
- Full metal shielding for ESD protection
- High temperature plastic housing for SMT processing

Specifications:

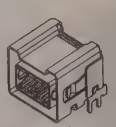
- Shielded
- Current max: 1.5A
- Voltage max: 40V
- Housing: black glass-filled 4/6 nylon, UL 94V-0
- Contact: brass
- Temperature range: -40°C to +85°C
- Color: black
- 2.00mm (.079") pitch
- Plating: gold over nickel in contact area; tin/lead over nickel in solder tail

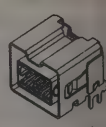
Receptacles

For quantities of 500 and up, call for

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Molex Part No.			1	10	
538	53460-0611	A	6-pos. thru-hole, right-angle, upright	1.93	1.73	
538	53462-0611	B	6-pos. SMT, right-angle, flat	1.93	1.73	

molex IEEE 1394B FIREWIRE CONNECTORS





Specifications:

- Pitch: 0.65mm (.026")
- Shielded I/O
- Right Angle
- SMT with Through Hole
- Outer Shell tabs
- 9 position
- Color: Black LCP Material

For quantities of 500 and up, call for

MOUSER STOCK NO.		Fig.	Type	Description	Price Each	
Mfr.	Molex Part No.				1	10
538	45240-0001	A	PCB Beta Socket	---------	3.67	3.31
538	45241-0001	B	PCB Bilingual Socket	Offset Pegs	3.93	3.54
538	45241-0002	B	PCB Bilingual Socket	In-Line Pegs	3.93	3.54

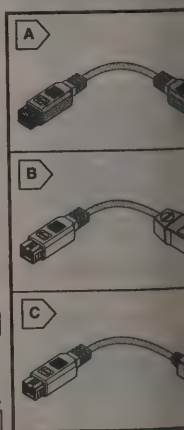
molex IEEE 1394B FIREWIRE CABLE ASSEMBLIES

Features:

- Easily visible orientation and polarization
- Insulated and recessed plug shield
- Three stage contact mating: Cable ground, Power and signal ground, Signal pairs
- Rugged gold plated contacts to withstand 1000 cycles

Specifications:

- Pitch: 0.65mm (.026")
- Gender: Male-to-Male
- Positions: 9
- Cable Length: 2.0m (6.56 ft)
- Shielded
- Contact: Copper Alloy
- Plating Contact: Gold
- Under Plating: Nickel
- Plating other: Solder Tails and Shell: Tin/Lead
- Cable Type: Jacketed, PVC, Round
- Color: Gray
- Current Max: 1.5A
- Voltage Max: 30V
- Impedance: 110 ohms
- Waterproof/Dustproof: IP54, IP65, IP67, NEMA 6P



IEEE 1394b-2002 Beta-to-IEEE 1394b-2002 Beta

Higher speed advantage of connectivity (S3200) to other beta devices.

Mates with Series 45240 **For quantities of 25 and up, call for quote.**

MOUSER STOCK NO.		Fig.	AWG	Price Each		
Mfr.	Molex Part No.			1	5	10
538	44610-0002	A	26	35.54	31.98	30.21

IEEE 1394b-2002 Bilingual-to-IEEE 1394-1995

Bilingual cable offers backward compatibility for legacy devices to IEEE 1394 four pin to six pin.

Mates with Series 45241 **For quantities of 25 and up, call for quote.**

538	44995-0020	B	24/30	19.03	17.13	16.17

IEEE 1394b-2002 Bilingual-to-IEEE 1394a

Bilingual cable offers backward compatibility for legacy devices to IEEE 1394 four pin to six pin.

Mates with Series 45241 **For quantities of 25 and up, call for quote.**

538	45261-0020	C	32	18.22	16.40	15.50

USB and IEEE 1394 Firewire Connectors

ELPHI ection Systems — USB 2.0 RECEPTACLES

fications:
g Cycles: 1500
ing Color: Black
Material: Nickel over Brass
ring Process: IR, Vapor Phase, Wave

Features:
- Operates at 1, 5, 12 and 480 Mb/sec
- SMT and through hole styles available
- Full metal shield helps protect contacts from ESD
- Meets requirements of USB 2.0
- UL Approved

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Delphi Part No.	Fig.	No. of Pos.	Type	Description	Price Each 1	10	25	50	100
5431483-300	15431483-300	A	4	A	Right Angle, Through Hole	.71	.60	.54	.48	.42
5431485-300	15431485-300	A	4	A	Right Angle, SMT	1.07	.89	.80	.71	.62
5431486-300	15431486-300	B	4	A	Vertical, Through Hole	.98	.82	.74	.66	.57
5431488-300	15431488-300	C	4	B	Vertical, Through Hole	1.13	.94	.85	.75	.66
5431484-300	15431484-300	D	2 x 4	A	Right Angle, Through Hole, Double Stacked	1.46	1.22	1.09	.97	.85
5431490-300	15431490-300	E	3 x 4	A	Right Angle, Through Hole, Triple Stacked	4.30	3.58	3.22	2.86	2.51
5431482-300	15431482-300	F	4	B	Right Angle, Through Hole	.89	.74	.67	.59	.52
5431487-300	15431487-300	G	4	B	Right Angle, SMT	1.60	1.34	1.20	1.07	.93
5431489-300	15431489-300	H	4	A	Right Angle, Upright Through Hole	.98	.82	.74	.66	.57

ELPHI ection Systems — MINI USB RECEPTACLES

fications:
g Cycles: 5000
ng Color: Black
Material: Nickel over Brass
ring Process: IR, Vapor Phase, Wave

Features:
- Meets USB 2.0 and USB OTG requirements
- SMT and through hole styles available
- Full metal shield helps protect contacts from ESD
- UL Approved

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Delphi Part No.	Fig.	No. of Pos.	Plating	Description	Price Each 1	10	25	50	100
5430384-300	15430384-300	I	5	30µ"	Right Angle, Through Hole	1.46	1.22	1.10	.98	.85
5430262-310	15430262-310	J	5	30µ"	Right Angle, SMT	1.51	1.26	1.13	1.01	.88
5430262-210	15430262-210	J	5	15µ"	Right Angle, SMT	1.43	1.20	1.08	.96	.84
5430262-110	15430262-110	J	5	Flash	Right Angle, SMT	1.37	1.15	1.03	.92	.80

ELPHI ection Systems — MINI USB CABLE ASSEMBLIES

fications:
g Cycles: Type A: 1500, Type B: 5000
ng Color: Black
Dia.: 4.2mm
noid Color: Black
- Cable Color: Black
- Cable Jacket: PVC

Features:
- Meets USB 2.0 and USB OTG requirements
- Full metal shield helps protect contacts from ESD
- Rugged and Reliable
- UL Approved

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Delphi Part No.	Fig.	No. of Pos.	Length (mm)	Description	Price Each 1	10	25	50	100
5431479-010	15431479-010	K	5\0	300	Mini B captive (pigtail type)	1.58	1.39	1.14	1.01	.95
5431479-020	15431479-020	K	5\0	500	Mini B captive (pigtail type)	1.69	1.49	1.22	1.08	1.01
5431479-030	15431479-030	K	5\0	1000	Mini B captive (pigtail type)	1.91	1.68	1.37	1.22	1.14
5431480-010	15431480-010	L	4\5	1000	A to Mini B	2.48	2.18	1.79	1.59	1.49
5431480-030	15431480-030	L	4\5	1800	A to Mini B	2.88	2.53	2.07	1.84	1.73
5431481-010	15431481-010	M	4\5	1000	A to Mini B w/ Ferrite Cores	2.95	2.59	2.12	1.89	1.77
5431481-030	15431481-030	M	4\5	1800	A to Mini B w/ Ferrite Cores	3.34	2.94	2.41	2.14	2.01

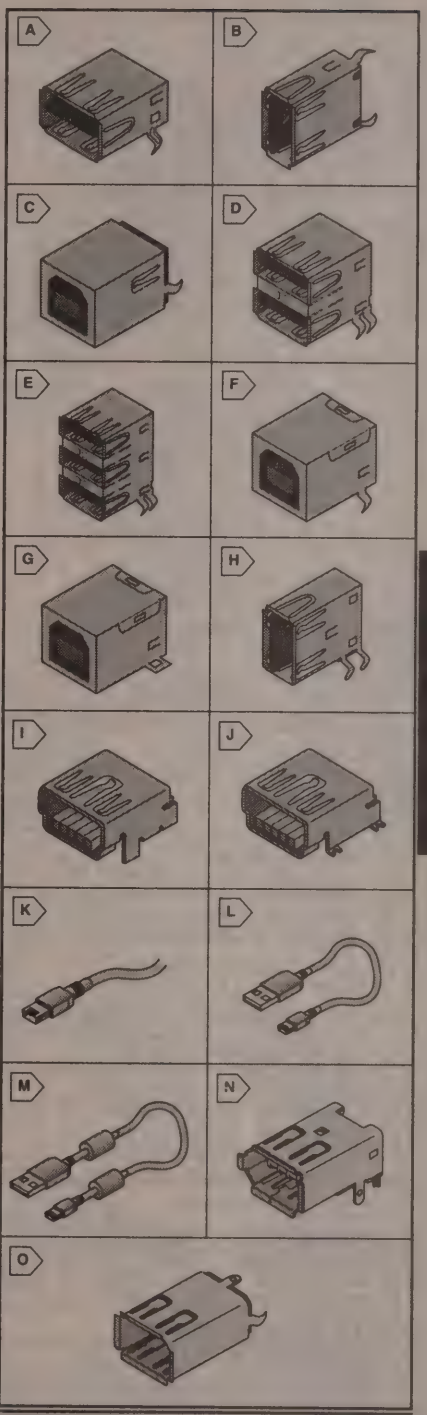
ELPHI ection Systems — IEEE 1394 / FIREWIRE RECEPTACLES

fications:
g Cycles: 1500
Material: Nickel over Brass
ng Color: Black
ring Process: IR, Vapor Phase, Wave

Features:
- SMT and through hole styles available
- Full metal shield helps protect contacts from ESD
- UL Approved

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Delphi Part No.	Fig.	No. of Pos.	IEEE Standard	Description	Price Each 1	10	25	50	100
5430379-300	15430379-300	N	6	1394A	Right Angle, SMT	2.23	2.01	1.78	1.56	1.47
5430381-300	15430381-300	O	6	1394A	Vertical, Through-hole	2.23	2.01	1.78	1.56	1.47
5430379-310	15430379-310	N	6	1394B	Right Angle, SMT	2.23	2.01	1.78	1.56	1.47
5430381-310	15430381-310	O	6	1394B	Vertical, Through-hole	2.23	2.01	1.78	1.56	1.47



P USB RECEPTACLES

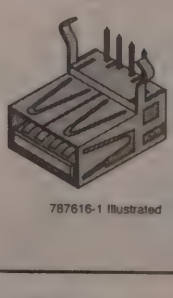
ications:
tacle housing: UL 94V-0 rated thermoplastic
: Copper alloy, plated bright tin
Contacts: Brass, plated gold over palladium nickel
e rating: 30VAC (rms)
nt rating: Signal application only, 1A per contact
erature rating: -55°C to +85°C (unless limited by cable or overmold)

Features:
- Plug and play capability
- Hot pluggable
- Compatible with asynchronous and isochromous data transfer methods
- Compatible with Windows operating systems

tyco Electronics

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	No. of Pos.	Type	Description	Price Each 1	10	25	50	100
376161	787616-1	4	A	Right Angle, Black, Through-hole, .112	.80	.71	.67	.63	.59
376171	787617-1	2 x 4	A	Rt. Angle, Dual Stacked, Black, Through-hole	.97	.87	.82	.77	.73
377801	787780-1	4	B	Right Angle, Black, Through-hole, .119	.76	.68	.65	.61	.57
377802	787780-2	4	B	Right Angle, Natural	1.22	1.10	1.04	.98	.92



787616-1 Illustrated

EDAC RJ45, USB, IEEE, DVI & Telecom Connectors

RJ45 MODULAR JACKS

- Meets RJ45 Category 5 Specifications
- FCC Compliance: Part 68 SubPart F
- Conforms to ISDN Standards
- Operating Temperature: -40°C to +80°C
- Insulator Housing: Black Plastic PBT/Nylon, UL94V-0
- Contact Material: Phosphor Bronze
- Voltage Rating: 120VAC Max.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Rows	No. of Ports Per Row	Shield	Style	Current Rating	Price Each 1	25	50	100
587-A00-108-620-450	A00-108-620-450	A	1	1	Unshielded	Vertical	1.5A Max.	.96	.93	.85	.81
587-A00-108-622-450	A00-108-622-450	A	1	1	Shielded	Vertical	1.5A Max.	1.54	1.47	1.35	1.29
587-A00-108-660-450	A00-108-660-450	A	1	1	Unshielded	Right Angle	1.5A Max.	1.02	.98	.90	.86
587-A00-108-662-450	A00-108-662-450	A	1	1	Shielded	Right Angle	1.5A Max.	1.16	1.11	1.02	.97
587-A00-216-660-450	A00-216-660-450	A	1	2	Unshielded	Right Angle	1.5A Max.	1.75	1.68	1.54	1.47
587-A00-216-662-450	A00-216-662-450	A	1	2	Shielded	Right Angle	1.5A Max.	2.14	2.06	1.89	1.80
587-A00-216-672-450	A00-216-672-450	A	2	1	Shielded	Right Angle	1.5A Max.	3.18	3.05	2.80	2.67
587-A00-432-660-450	A00-432-660-450	A	1	4	Unshielded	Right Angle	1.5A Max.	3.27	3.14	2.87	2.74
587-A00-432-662-450	A00-432-662-450	A	1	4	Shielded	Right Angle	1.5A Max.	3.89	3.73	3.42	3.27

RJ45 MODULAR JACKS WITH LEDS

- LEDs are available as either a single color with a matching colored lens, or as a bi-color variant that utilizes a clear lens.
- Bi-color LEDs can be made to change color simply by reversing the voltage.
- UL File Number: E138872
- Insulator Housing: Black Plastic PBT/Nylon, UL94V-0
- Reverse Voltage: 5.0 Volts @ <100mA
- LED Voltage: 2.1 Volts Typ. @ 20mA
- Voltage Rating: 120 VAC Max.
- FCC Compliance: Part 68 SubPart F

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Ports	Left LED Color	Right LED Color	Current Rating	Style	Price Each 1	25	50	100
587-A20-108-660-010	A20-108-660-010	B	1	---	---	1.5A Max.	Inverted R/A	2.08	1.99	1.83	1.74
587-A20-108-661-310	A20-108-661-310	B	1	Yellow	Green	1.5A Max.	Right Angle	2.25	2.16	1.98	1.89
587-A20-108-662-310	A20-108-662-310	B	1	Red	Green	1.5A Max.	Right Angle	2.50	2.40	2.20	2.10
587-A20-108-663-310	A20-108-663-310	B	1	Green	Green	1.5A Max.	Right Angle	3.15	3.02	2.77	2.65
587-A20-108-665-510	A20-108-665-510	B	1	Red/Green	Red/Green	1.5A Max.	Right Angle	2.60	2.50	2.29	2.18
587-A20-216-660-010	A20-216-660-010	B	2	---	---	1.5A Max.	Inverted R/A	3.43	3.29	3.01	2.88
587-A20-216-661-310	A20-216-661-310	B	2	Yellow	Green	1.5A Max.	Right Angle	4.13	3.96	3.63	3.47
587-A20-216-663-310	A20-216-663-310	B	2	Green	Green	1.5A Max.	Right Angle	3.88	3.72	3.41	3.26
587-A20-432-663-310	A20-432-663-310	B	4	Green	Green	1.5A Max.	Right Angle	6.53	6.26	5.74	5.48
587-A20-432-661-310	A20-432-661-310	B	4	Yellow	Green	1.5A Max.	Right Angle	6.53	6.26	5.74	5.48

USB CABLE ASSEMBLY

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	Description	Price Each 1	25	50	100
587-628-000-943	628-000-943	C	USB A male to B male Cable Assembly - 1.8 meters	2.00	1.92	1.76	1.68

USB 2.0 AND IEEE 1394A CONNECTORS

- Industry standard data transfer devices
- Minimum Mating Cycles: 1500 per EIA 364-09
- Insulator Housing: Thermoplastic, UL94V-0
- Voltage Rating: 30VACrms max.
- Temperature Range: -55°C to +85°C
- ∗ Dual Stack

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Ports	Type	Contact Orientation	Contact Material	Contact Style	Current Rating	Price Each 1	25	50	100
USB 2.0												
587-690-004-621-013	690-004-621-013	D	1	A	Horizontal	- - - -	Right Angle	1A Max.	.65	.62	.57	.55
587-690-004-621-023	690-004-621-023	D	1	B	Horizontal	- - - -	Right Angle	1A Max.	.73	.70	.64	.61
587-690-004-660-013	690-004-660-013	D	1	A	Vertical	- - - -	Straight	1A Max.	.58	.55	.51	.48
587-690-004-660-023	690-004-660-023	D	1	B	Vertical	- - - -	Straight	1A Max.	.60	.58	.53	.50
587-690-004-661-013	690-004-661-013	D	1	A	Vertical	- - - -	Right Angle	1A Max.	.83	.79	.73	.69
∗587-690-008-621-013	690-008-621-013	D	2	A	Horizontal	- - - -	Right Angle	1A Max.	1.18	1.13	1.03	.99
IEEE 1394a												
587-693-006-620-003	693-006-620-003	E	1	1394a	Horizontal	Copper Alloy	Right Angle	1A Max.	.93	.89	.81	.78
587-693-006-621-003	693-006-621-003	E	1	1394a	Vertical	Copper Alloy	Right Angle	1A Max.	.93	.89	.81	.78

V.35 TELECOM DTE/DCE INTERFACE CONNECTORS

- Meets CCITT V.35 synchronous modem interface requirements per ISO-2593
- Mates with other industry standard V.35 connectors
- Data Traffic: 20kbps to 2mbps max.
- Operating Temperature: -55°C to +125°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Pins	Type	Style	Shell Type	Current Rating	Price Each 1	25	50	100
587-B01-034-220-900	B01-034-220-900	F	34	Through-Hole	Vertical	10µ" Gold	5 Amp	9.68	9.29	8.51	8.13
587-B01-034-240-900	B01-034-240-900	F	34	Through-Hole	Right Angle	10µ" Gold	5 Amp	6.33	6.07	5.57	5.31
587-B01-034-640-900	B01-034-640-900	F	34	Through-Hole	Right Angle	30µ" Gold	5 Amp	6.33	6.07	5.57	5.31

DVI (DIGITAL VISUAL INTERFACE) CONNECTORS

- Supports both analog and digital signals
- First mate last break
- Fully shielded for top EMI/RFI performance
- Fully grounded prior to connecting to elimnate ESD
- Insulator: High Temperature Nylon 6T

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Pins	Style	Contact Finish	Current Rating	Temperature Rating	Price Each 1	25	50	100
587-B10-029-266-032	B10-029-266-032	G	29	Right Angle	Gold Flash	5 Amp	-55°C to +230°C	1.12	1.06	1.01	.95
587-B10-024-266-900	B10-024-266-900	G	24	Right Angle	Gold Flash	5 Amp	-55°C to +230°C	1.30	1.24	1.17	1.11

DVI TO VESA ADAPTER

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	Description	Price Each 1	25	50	100
587-628-000-924B	628-000-924B	H	DVI to VESA 15 Pin Video Adapter	2.42	2.30	2.18	2.06

HIGH DENSITY VIDEO D-SUB RECEPTACLES

- Shell Material: Tin/Lead Plated Steel
- Dielectric Withstand Voltage: 1000VACrms at Sea Level
- Operating Temperature: -55°C to +125°C
- ∗ VESA Standard
- Insulator Material: Thermoplastic Polyester, UL94V-0

For quantities of 500 and up, call for quote.

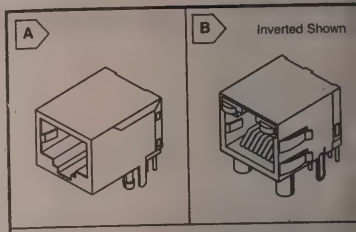
MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Pins	Style	Contact Finish	Current Rating	Color	Price Each 1	25	50	100
∗587-634-015-274-906	634-015-274-906	I	15	Right Angle	Gold Flash	5 Amp	Blue	.75	.72	.66	.63
587-634-015-263-032	634-015-263-032	I	15	Right Angle	Gold Flash	5 Amp	Black	.75	.72	.66	.63

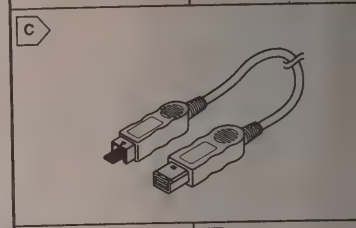
TELECOM RECEPTACLES

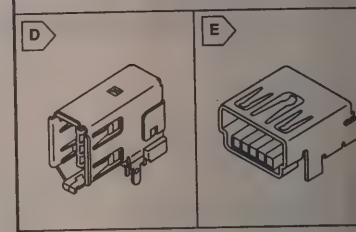
- Mates with other industry standard telecom connectors
- Contact Plating: 10µ" Gold
- Operating Temperature: -55°C to +125°C
- Insulator: Blue Thermoplastic Polyester, UL94V-0
- Shell Material: Nickel Plated Steel

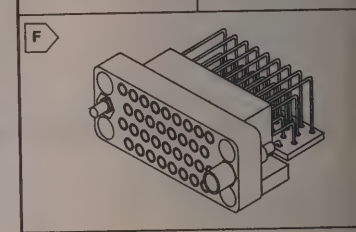
For quantities of 500 and up, call for quote.

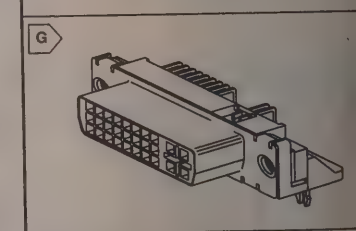
MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Pins	Type	Style	Shell Type	Current Rating	Price Each 1	25	50	100
587-B57-050-220-202	B57-050-220-202	J	50	Press-Fit	Vertical	Metal Face	2 Amp	3.23	3.10	2.84	2.71
587-B57-050-221-202	B57-050-221-202	J	50	Through Hole	Vertical	Metal Face	2 Amp	1.90	1.82	1.67	1.60
587-B57-050-260-202	B57-050-260-202	J	50	Through Hole	Right Angle	Metal Face	2 Amp	3.35	3.22	2.95	2.81

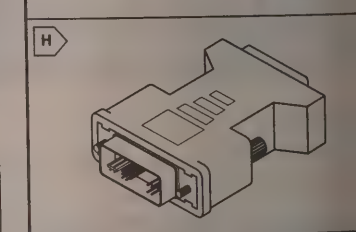


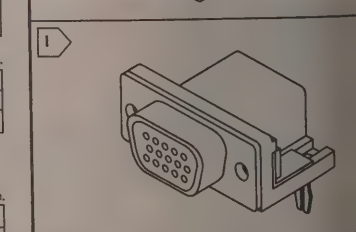


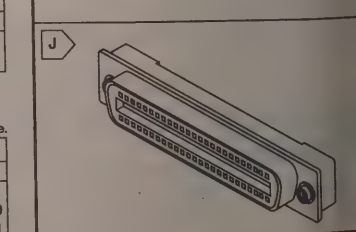








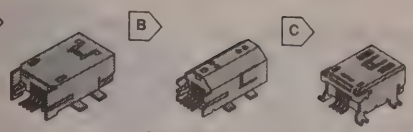




KOBICONN

-USB SMT RECEPTACLES

cations:
e rating: 30VAC (rms)
nt rating: 1A per contact
nability rating: UL-94V-0
ct area plating gold



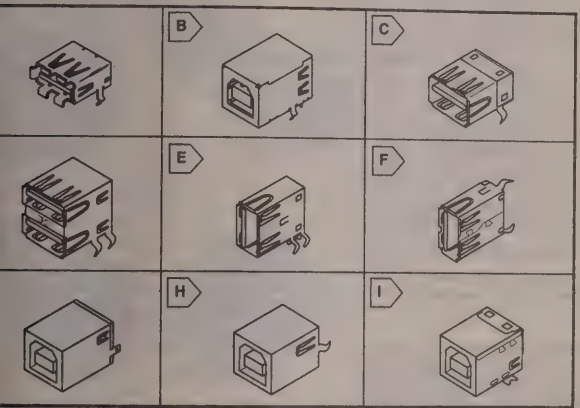
For quantities of 1000 and up, call for quote.

SER K NO.	Fig.	Type	Color	Description	Price Each 1	10	100	500
100	A	A	Black	Mini-USB 4 Pin	1.44	1.20	1.09	.99
100	B	B	Black	Mini-USB 4 Pin	1.44	1.20	1.09	.99
101	C	B	Black	Mini-USB 5 Pin	1.44	1.20	1.09	.99
101	C	C	Black	Mini-USB 5 Pin	1.44	1.20	1.09	.99

RECEPTACLES

cations:
rating: 30VAC (rms)
ability rating: UL-94V-0

- Current rating: 1A per contact
- Contact area plating gold

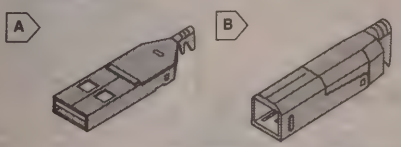


For quantities of 1000 and up, call for quote.

ER K NO.	Fig.	Type	Color	Description	Price Each 1	10	100	500
42	A	A	White	USB 4 Pin through hole	.52	.35	.32	.29
42	B	B	White	USB 4 Pin through hole	.58	.39	.35	.32
AR42	C	A	Black	Receptacle Rt Angle SMT	.77	.70	.59	.45
AR64	D	A	Black	Receptacle, Rt Angle Double*	1.67	1.28	.99	.76
AR80	E	A	White	Receptacle, Up-Right Single*	1.49	1.15	.88	.68
AS21	F	A	White	Receptacle, vertical, Single*	1.32	1.01	.78	.60
BW21	G	B	White	Receptacle and Solder tail	1.49	1.15	.88	.68
BS21	H	B	White	Receptacle, vertical, Single*	1.32	1.01	.78	.60
BR44	I	B	White	Receptacle Right Angle SMT	1.08	.98	.82	.63

ole

CABLE PLUGS ASSEMBLY TYPE



cations:
s: selective gold plate
or: PBT UL 94V0

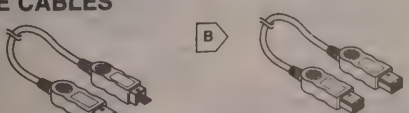
r own cable. Both A & B type plugs.

For quantities of 1000 and up, call for quote.

ER NO.	Fig.	Type	Color	Description	Price Each 1	10	100	500
10	A	A	Sil/White	A type 4 pin	.61	.41	.37	.34
10	B	B	Sil/White	B type 4 pin	.61	.41	.37	.34

1394 FIREWIRE CABLES

cations:
K10/50
Meter Lengths



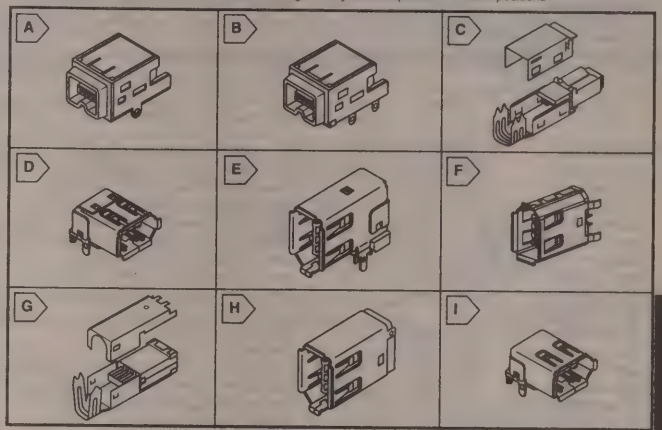
For quantities 1000 and up, call for quote.

ER K NO.	Fig.	Length	Description	Price Each 1	10	100	500
91	A	1M	IEEE1394 6P/4P-1M	4.34	3.61	3.28	2.99
92	A	2M	IEEE1394 6P/4P-2M	5.31	4.83	4.39	3.99
93	B	1M	IEEE1394 6P/6P-1M	4.34	3.61	3.28	2.99
94	B	2M	IEEE1394 6P/6P-2M	5.31	4.83	4.39	3.99

IEEE 1394 FIREWIRE RECEPTACLES AND PLUGS

Features:
- The 4-pin and 6-pin I/O connectors are available in both plugs and receptacles.
- Receptacles are offered with high temperature plastic for true SMT processing.
- Fully shielded metal frame of the receptacle is for ESD protection.
- Rugged gold plated terminals withstand up to 1500 mating cycles with less than 30 milliohms.

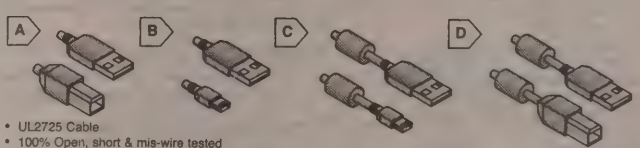
Specification:
- Mating cycles: 1500 cycles minimum
- Contact Resistance: 30mΩ
- Vibration: NO discontinuity at 1 micro-second during 3-axis vibration(Peak 30G Random vibration)
- Withstanding Voltage: 500V DC ±50V DC minimum
- Insulation Resistance: 100MΩ minimum
- Electrostatic Discharge: NO evidence of discharge to any of the 6 positions & the 4 positions



For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100	500
154-AVR20	A	4 Pin Receptacle, Right Angle, Thru-Hole	2.61	2.01	1.55	1.19
154-AVR40	B	4 Pin Receptacle, Right Angle, SMT Type	2.46	1.89	1.46	1.12
154-AVW10	C	4 Pin Plug, Solder Type	2.31	1.78	1.37	1.05
154-FWR41	D	6 Pin Receptacle, Right Angle, SMT Type	1.62	1.35	1.04	.80
154-FWR80	E	6 Pin Receptacle, Up-Right, Thru-Hole	1.60	1.33	1.02	.79
154-FWS20	F	6 Pin Receptacle,Vertical, Thru-Hole	2.61	2.01	1.55	1.19
154-FWW15	G	6 Pin Plug, Solder Type, Long Body	2.08	1.60	1.23	.95
154-FWW20	H	6 Pin Plug, Solder Type, Short Body	2.08	1.60	1.23	.95
154-FWR20	I	6 Pin Receptacle, Right Angle, Thru-Hole	1.85	1.42	1.09	.84

USB CABLES



- UL2725 Cable
- 100% Open, short & mis-wire tested
- Black

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Description	Price Each 1	10	25	100
172-1024	A	1.8M (71)	USB A male to USB B male	2.70	2.25	2.05	1.86
172-1027	D	1.5M (59)	Filtered USB A male to USB B male	3.11	2.59	2.35	2.14

USB CABLE TO MINI USB

- Black

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Description	Price Each 1	10	25	100
172-1025	B	1.8M (71)	USB A male to Mini-USB B male	2.98	2.49	2.26	2.06
172-1026	C	1.5M (59)	Filtered USB A male to Mini-USB B male	3.39	2.83	2.57	2.34

IEEE PLUG ADAPTERS

NEW PRODUCT

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	25	50	100
154-6F4M	A	IEEE 1394 Adapter 6F/4M	9.60	8.00	6.40	4.80
154-6M4F	B	IEEE 1394 Adapter 6M/4F	9.60	8.00	6.40	4.80
154-6F6F	C	IEEE 1394 Adapter 6F/4F	9.60	8.00	6.40	4.80

RJF 544 ETHERNET CONNECTION SYSTEM

RJField allows you to use an Ethernet Class D / Cat. 5e connection for 10 BaseT, 100 BaseTX or 1000 BaseT networks in harsh environments.

- IP67, Sealed against fluids and dusts
- Shock, Vibration, and Traction resistant
- Improved EMI protection
- Quick Push-Pull coupling
- No tools required
- You can use a standard RJ45 cordset

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each 1	5	10
523-RJF5446	RJF5446	A	Plug, Circular Plastic, Black	10.59	9.88	9.12
523-RJF54421	RJF54421	B	Panel Mount Receptacle, Circular Plastic, Black	14.25	13.30	12.27
523-RJF5442M1	RJF5442M1	B	Panel Mount Receptacle, Circular Metalized Plastic	16.20	15.12	13.95
RJF 554 Accessories						
523-54402BM	54402BM	-	Plastic Circular Cap for Plug	13.02	12.08	11.16
523-54402BE	54402BE	-	Plastic Circular Cap for Receptacle	13.02	12.08	11.16
523-54402JE	54402JE	-	Gasket (JE16) for Panel Mount Receptacle	.71	.65	.60
523-5440OT02	5440OT02	-	Insert / Removal Tool for Plug and Receptacle	6.94	6.48	5.98

RJ FIELD ETHERNET CONNECTION SYSTEM

RJField allows you to use an Ethernet Class D / Cat. 5e connection for 10 BaseT, 100 BaseTX or 1000 BaseT networks in harsh environments.

- IP67, Sealed against fluids and dusts
- Shock, Vibration, and Traction resistant
- No Tools required
- You can use a standard RJ45 cordset
- Bayonet coupling mechanism (MIL-C-26482 type) Audible & Visual coupling signal
- Mechanical Coding/Polarization (4 positions)

For quantities of 25 and up, call for quote.

523-RJF6B	RJF6B	C	Plug, Metal Circular Shell, Black	24.75	23.10	21.65
523-RJF6N	RJF6N	C	Plug, Metal Circular Shell, Nickel	25.69	23.98	22.14
523-RJF21B	RJF21B	D	Panel Mount Receptacle, RJ45, Black	25.27	23.58	21.76
523-RJF21N	RJF21N	D	Panel Mount Receptacle, RJ45, Nickel	29.18	27.23	25.14
523-RJF2PEM1B	RJF2PEM1B	E	Panel Mount Receptacle, RJ45, Backshell Metal Gland, Black	49.66	46.35	42.78
523-RJF22B00	RJF22B00	F	Panel Mount Receptacle, PCB, Black	20.48	19.12	17.65
523-RJF71B	RJF71B	G	Jam Nut Receptacle, RJ45, Black	37.89	35.37	32.65
523-RJF71N	RJF71N	G	Jam Nut Receptacle, RJ45, Nickel	41.82	39.03	36.08
523-RJF72B00	RJF72B00	G	Jam Nut Receptacle, PCB, Black	34.25	31.97	29.51
RJ Field Accessories						
523-RJFC6B	RJFC6B	-	Cap for Plug, Black	22.53	21.03	19.41
523-RJFC6N	RJFC6N	-	Cap for Plug, Nickel	23.59	22.03	20.32
523-RJFC2B	RJFC2B	-	Cap for Panel Mount Receptacle, Black	20.83	19.44	17.94
523-RJFC2N	RJFC2N	-	Cap for Panel Mount Receptacle, Nickel	21.97	20.51	18.93
523-RJFC7B	RJFC7B	-	Cap for Jam Nut Receptacle, Black	26.50	24.74	22.83
523-RJFC7N	RJFC7N	-	Cap for Jam Nut Receptacle, Nickel	27.63	25.79	23.80
523-JE18	JE18	-	Gasket for Panel Mount Receptacle	.89	.81	.77

RJF EZ ETHERNET CONNECTION SYSTEM

RJField allows you to use an Ethernet Class D / Cat. 5e connection for 10 BaseT, 100 BaseTX or 1000 BaseT networks in harsh environments.

- IP67, Sealed against fluids and dusts.
- Shock, Vibration, and Traction resistant.
- No Tools required.
- You can use a standard RJ45 cordset.
- Quick Lever coupling, rectangular connector.

For quantities of 25 and up, call for quote.

523-RJFEZ6	RJFEZ6	H	Rectangular Plastic Plug, Black	8.11	7.90	7.35
523-RJFEZ21	RJFEZ21	I	Rectangular Plastic Panel Mount Receptacle, RJ45, Black	16.61	15.77	14.98
RJF EZ Accessories						
523-RJFEZBE	RJFEZBE	-	Rectangular Plastic Cap for Receptacle	3.04	2.72	2.35
523-RJFEZJE	RJFEZJE	-	Gasket for Panel Mount Receptacle	.60	.57	.53
523-RJFODE	RJFODE	-	Insert / Removal Tool	18.16	17.50	16.98

FW FIELD IEEE 1394 CONNECTION SYSTEM

FW Field allows you to use a standard IEEE 1394 connection in harsh environments.

- IP67, Sealed against fluids and dusts
- Shock, Vibration, and Traction resistant
- No Tools required
- You can use most standard IEEE1394 cordsets
- Tri-Start Thread coupling mechanism (MIL-DTL-38999 series III type) with anti-decoupling device.
- Data Rate: 400Mbits/second over 4.5 meters

For quantities of 25 and up, call for quote.

523-FWFTV6N	FWFTV6N	J	IEEE Type A Plug, Nickel	58.32	53.46	49.35
523-FWFTV21N	FWFTV21N	K	IEEE Type A Panel Mount Receptacle, Nickel	49.47	46.11	42.54
523-FWFTV71N	FWFTV71N	L	IEEE Type A Jam Nut Receptacle, Nickel	51.26	47.78	44.04
FW Field IEEE 1394 Accessories						
523-JE15	JE15	-	Gasket for USB & IEEE1394	1.02	.97	.89
523-FWFODE	FWFODE	-	Insert / Removal Tool	18.26	17.01	16.86

USB FIELD CONNECTION SYSTEM

USB Field allows you to use a standard USB connection in harsh environments.

- IP67, Sealed against fluids and dusts
- Shock, Vibration, and Traction resistant
- No Tools required
- Improved EMI protection
- Tri-Start Thread coupling mechanism (MIL-DTL-38999 series III type) with anti-decoupling device
- You can use a standard USB cordset.
- Data Rate: 1,5 to 12 Mb/s for Full Speed USB
- Mechanical Coding / Polarization (2 positions)

For quantities of 25 and up, call for quote.

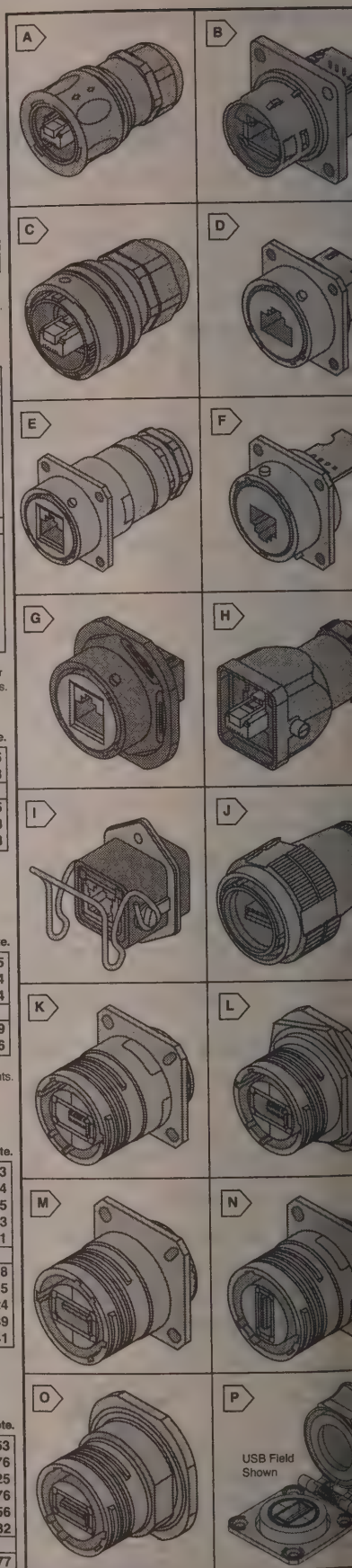
523-USBFTV6N	USBFTV6N	J	USB Type A Plug, Nickel	44.26	41.25	38.03
523-USBFTV21N	USBFTV21N	M	USB Type A Panel Mount Receptacle, Nickel	32.86	30.57	28.24
523-USBFTV22N	USBFTV22N	N	USB Type A Panel Mount Receptacle, PCB, Nickel	33.69	31.41	28.95
523-USBFTV71N	USBFTV71N	O	USB Type A Jam Nut Receptacle, Nickel	38.90	36.25	33.43
523-USBFTV72N	USBFTV72N	O	USB Type A Jam Nut Receptacle, PCB, Nickel	38.53	35.92	33.11
USB Field Accessories						
523-USBFTVC6N	USBFTVC6N	-	Cap for Plug, Nickel	23.13	21.56	19.88
523-USBFTVC2N	USBFTVC2N	-	Cap for Panel Mount Receptacle, Nickel	22.28	20.76	19.15
523-USBFTVC7N	USBFTVC7N	-	Cap for Jam Nut Receptacle, Nickel	28.20	26.29	24.24
523-JE15	JE15	-	Gasket for USB & IEEE 1394	1.02	.97	.89
523-USBFODE	USBFODE	-	Insert / Removal Tool	22.59	21.06	19.41

SELF CLOSING CAPS

These Self Closing Caps automatically protect the RJ Field square flang receptacles (MIL-C-26482 type), the FW Field IEEE 1394, and the USB Field receptacles from dust and water projections. A spring automatically closes the upper part of the cap when any of their counter plugs are removed from the receptacle.

For quantities of 25 and up, call for quote.

523-RJF21BSCC	RJF21BSCC	P	RJ Field Snap Cap, Plain Insert, Black Shell	34.36	31.50	29.53
523-RJF21NSCC	RJF21NSCC	P	RJ Field Snap Cap, Metalized Insert, Nickel	35.80	32.81	30.76
523-FWFTV21BSCC	FWF21BSCC	P	FW Field Snap Cap, Plain Insert, Black Shell	44.51	40.80	38.25
523-FWFTV21NSCC	FWF21NSCC	P	FW Field Snap Cap, Metalized Insert, Nickel	45.11	41.35	38.76
523-USBF21BSCC	USBF21BSCC	P	USB Field Snap Cap, Plain Insert, Black	33.23	30.46	28.56
523-USBF21NSCC	USBF21NSCC	P	USB Field Snap Cap, Metalized Insert, Nickel	34.71	31.81	29.82
Self Closing Cap Accessories						
523-JE18	JE18	-	Gasket for Panel Mount Receptacle	.89	.81	.77



MP Industrial Ethernet - Circular Sealed RJ-45 Connectors

tyco Electronics

mon Features:
vides for reliable performance in electrically noisy conditions found on most factory floors
patible with Cat5e Cable
y intermateable with unshielded product
eaded outer connection contributes to: Environmental sealing (IP67 rated); vibration resistance; and secure, robust connections

PUNCHDOWN BLOCK RECEPTACLE

termination via Insulation Displacement Connections (IDC) with the use of commonly available 110 punchdown tool. Ideal for premises wiring applications.
eptacle Shell: Acrylonitrile- Butadiene- Styrene (ABS) • TIA/EIA Rating: Category 5e compliant
ing: Nitrile Rubber • Use with cordsets, field-attachable plug and/or caps

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	10	25	50
1546404-1	1546404-1	A	110 receptacle, 568A and 568B wiring, backside locking conduit nut	41.40	37.26	35.20	33.12

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	5
1583608-1	1583608-1	----	110 Punchdown Tool	48.00	42.00

ECT PCB MOUNT RECEPTACLE

ofile receptacle that solders directly to a printed circuit board (PCB) - intended for customers who wish to incorporate a robust, sealed connection into their field equipment.
r customers who wish to incorporate a sealed RJ-45 in the smallest possible package.
eptacle Shell: Acrylonitrile- Butadiene- Styrene (ABS) • TIA/EIA Rating: Category 5 compliant
ng: Vition Rubber • Use with receptacles, adapters, cordsets, and/or field-attachable plug

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	10	25	50
1546405-1	1546405-1	B	8 pin through-hole receptacle, front coupling hex nut	25.96	23.36	22.07	20.77

NDARD PCB BOARD RECEPTACLES

lexible solution that enables an end-user to solder a cable lead to an internal Ethernet connection.
eptacle Shell: Acrylonitrile- Butadiene- Styrene (ABS)
ng: Nitrile Rubber • Use with cordsets, field-attachable plug and/or caps

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	10	25	50
1546409-1	1546409-1	C	With PC Board	28.70	25.83	24.40	22.97
1546410-1	1546410-1	C	With PCB & 12" of cable (10 Base-T)	32.46	29.21	27.60	25.97
1546411-1	1546411-1	C	With PCB & 12" of cable (568A)	32.46	29.21	27.60	25.97
1546412-1	1546412-1	C	With PCB & 12" of cable (568B)	38.96	35.06	33.12	31.17

LKHEAD PASSTHROUGH RECEPTACLES

rfect solution to bring Ethernet into a cabinet or control box. Simply mount bulkhead product in a panel
mate a sealed connector on the outside of the enclosure, and run a commercial patch cord from the
e RJ-45 jack to your PLC, I/O, or Ethernet control board. No conduit entry is required.

Backside RJ-45 Jack Specifications:
- Base Material: Copper alloy w/30u-inches gold alloy
- Underplating: 2.54 microns of nickel
- Mating Cycles: 250 min.
- Current Rating: 1.5A
- Voltage Rating: 125 V DC

ptacle Shell: Acrylonitrile- Butadiene- Styrene (ABS) • Shock/Vibration: Per IEC 60068-2-6
ng: Nitrile Rubber • Environmental Rating: IEC IP67
ating Temperature: -20° to +80°C • TIA/EIA Rating: Category 5e compliant
n Loss: 5 dB @ 100 MHz • Knockout Hole for Receptacle: 1.031 (26.19)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	10	25	50
546413-1	1546413-1	D	RJ-45 Bulkhead passthrough with backside RJ-45 jack	28.62	25.76	24.33	22.90
546414-1	1546414-1	E	RJ-45 Bulkhead passthrough with 12" of patch cord	33.42	30.08	28.41	26.74
546415-1	1546415-1	D	RJ-11 Bulkhead passthrough with backside RJ-45 jack	29.80	26.82	25.33	23.84

IALE-TO-FEMALE ADAPTER

otacle Shell: Acrylonitrile- Butadiene- Styrene (ABS) • Shock/Vibration: Per IEC 60068-2-6 • Use with closure caps
g: Nitrile Rubber • Environmental Rating: IEC IP67
ating Temperature: -20° to +80°C • Mating Thread: UNC 1" - 14

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	10	25	50
546574-1	1546574-1	F	Female-to-Female Adapter	64.00	57.60	54.40	51.20

D-ATTACHABLE PLUG

e the connection in the field using a standard crimping tool, and still enjoy the same IP67 sealed connection as the overmolded cordset.
otacle Shell: Acrylonitrile- Butadiene- Styrene (ABS) • O-Ring: Nitrile Rubber • Use with receptacles, adapters, and/or caps

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	10	25	50
546440-1	1546440-1	G	0.1-0.26 (2.5-6.5) acceptable cable diameter	17.88	16.10	15.20	14.31

RMOLDED CORDSETS, DOUBLE-ENDED

utilize a standard RJ-45 plug, but add strain relief and a locking mechanism that creates a seal when mated with a receptacle.
Material: Acrylonitrile- Butadiene- Styrene (ABS) • Coupling Nut: Acrylonitrile- Butadiene- Styrene (ABS) • Use with receptacles, adapters, and/or caps
old: Polyurethane (Solid Core & Proplex), PVC (Stranded) • Recommended Mating Torque: 12 inch-lbs.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Cable	RJ-45 Plug Ends	Length Meters	Feet	Price Each 1	10	25	50
546451-1	1546451-1	H	Solid Core	Industrial (both ends)	1	3.3	55.86	50.27	47.48	44.69
546451-2	1546451-2	H	Solid Core	Industrial (both ends)	5	16.4	84.64	76.18	71.95	67.71
546451-3	1546451-3	H	Solid Core	Industrial (both ends)	10	32.8	118.30	106.47	100.56	94.64
546451-4	1546451-4	H	Solid Core	Industrial/Commercial	2	6.6	79.28	71.35	67.40	63.42
546452-1	1546452-1	H	Proplex	Industrial (both ends)	2	6.6	81.58	73.42	69.35	65.26
546452-2	1546452-2	H	Proplex	Industrial (both ends)	5	16.4	100.00	89.95	84.95	79.95
546453-1	1546453-1	H	Stranded	Industrial (both ends)	2	6.6	73.96	66.56	62.87	59.17
546453-2	1546453-2	H	Stranded	Industrial (both ends)	5	16.4	84.64	76.18	71.95	67.71

SURE CAPS

better sealing integrity when a connector is not mated with the receptacle.
al: Delrin (black) • Use with receptacles, adapters, cordsets, and/or field attachable plug

For quantities of 100 and up, call for quote.

OUSER OCK NO.	AMP Part No.	Fig.	Description	Price Each 1	10	25	50
546406-1	1546406-1	I	For receptacles, IP67 rated (with 3.63 lanyard)	13.44	12.10	11.42	10.75
546407-1	1546407-1	I	For receptacles, IP65 rated	10.02	9.02	8.52	8.02
546408-1	1546408-1	I	For plug cordset, IP67 rated (with 3.63 lanyard)	17.64	15.88	15.00	14.12

DIMENSIONS (IN)

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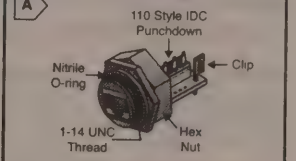

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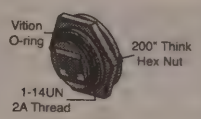

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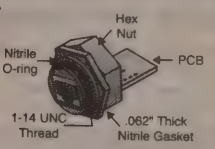

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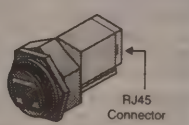

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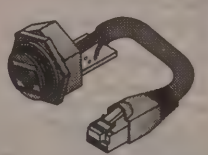

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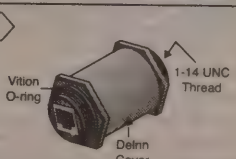

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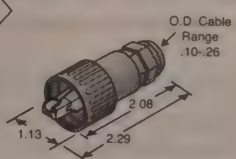

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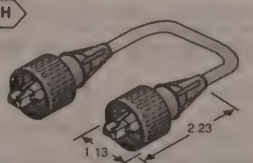


I

Data/Network/Telecom AMP

HARTING HAN® MAX ETHERNET CONNECTORS

Approved by the ODVA (Open DeviceNet Vendors Association) EtherNet/IP.

The Ethernet connector Han® Max connects ethernet cables via RJ45 very easily and quickly. One of its main features is a high degree of protection due to a robust metal housing so it can be used directly in industrial environments. Thus reducing the termination time to set up industrial networks.

Features:
- High degree of protection
- Robust metal housing
- Plug & Play installation
- Bayonet nut connector

Specifications:
- Housing: Zinc Die Cast Metal Housing, Nickel Plated
- Connector: RJ45 according to IEC 60 603-7
- Number of used contacts: 8 contacts
- Wire Gage: 26-24 AWG
- Cable Gland: PG 9
- Operating Temperature: -25°C up to +85°C

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each 1	5	10
617-09-15-300-0401	09 15 300 0401	A	Han® Max Plug with RJ45 interface	38.28	37.12	35.96
617-09-15-300-0301	09 15 300 0301	B	Han® Max Panel Feed Through	57.75	56.00	54.25
617-09-15-300-0311	09 15 300 0311	C	Han® Max Bulkhead Mounting	56.43	54.72	53.01

HARTING HARAX® CIRCULAR SHIELDED M12-L CONNECTORS

Approved by the ODVA (Open DeviceNet Vendors Association). In accordance with PROFInet® guidelines.

- Transmission characteristics in accordance with DIN 50 173-1
- D-Coding for Ethernet
- Wire gauge: 22-24 AWG stranded
- Conductor insulation material: PVC
- Working temperature: -25°C to +85°C
- Temperature during connection: -5°C to +50°C
- Protection level: IP 67

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each 1	5	10
617-21-03-281-1405	21 03 281 1405	D	4 Pin Male; D-Coding for Ethernet; Straight Version	60.75	57.37	54.00
617-21-03-281-2405	21 03 281 2405	E	4 Pin Female; D-Coding for Ethernet; Straight Version	62.65	59.17	55.69
617-21-03-371-2403	21 03 371 2403	F	M12 Panel Feed Through	23.32	22.02	20.72
617-21-03-381-4400	21 03 381 4400	G	M12-RJ45 Adapter	49.51	46.76	44.01

HARTING RJ INDUSTRIAL® SERIES - CAT 5e

In accordance with PROFInet® guidelines

- Transmission properties in accordance with Category 5 ISO/IEC 11 801:2002 and EN 50173-1
- Sealed to IP 67
- Temperature range: -40°C to +70°C
- Fast Assembly - no special tools required
- IDC Termination
- Housing material: Black Thermoplastic, UL 94V-0

IP 67 Push Pull Connectors

- RJ 45 interface in Accordance with IEC 60603-7
- Minimum 750 mating Cycles
- Cable Plug: Wire gauge: 22-24 AWG stranded; 22-23 AWG solid
- Panel Feed Through: Panel cut out: 21 x 27mm

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each 1	5	10
617-09-45-145-1100	09 45 145 1100	H	Data Cable Plug, straight with plastic cable gland	14.46	13.74	13.01
617-09-45-245-1100	09 45 245 1100	I	Panel Feed Through, Data only, internal RJ 45 jack IP20, CAT5	13.22	12.56	11.90

IP 67 Hybrid Connectors

- RJ45 interface in accordance with IEC 60603-7, plus 4 x power supply
- Data and power integrated into one connector for hybrid ethernet networks
- Cable Plug: Wire gauge: 22-24 AWG stranded; 22-23 AWG solid
- Panel Feed Through: Panel cut out: 22 x 22mm

For quantities of 25 and up, call for quote.

617-09-45-125-1300	09 45 125 1300	J	Cable Plug, straight with plastic cable gland	23.10	21.95	20.79
617-09-45-225-1300	09 45 225 1300	K	Panel Feed Through, internal RJ 45 jack IP20 and cage clamp	29.92	28.42	26.93

Cat 5e Cable for Industrial Ethernet

- PROFInet® Type B cable

For quantities of 25 and up, call for quote.

617-09-45-600-0102	09 45 600 0102	L	2x2xAWG 22/7, Stranded, Green, PVC, 100m cable ring	317.34	301.47	285.61

RJ Industrial Cat 5e Cable Assemblies

- RJ Industrial Fieldpatch IP 67 Data 3A

For quantities of 25 and up, call for quote.

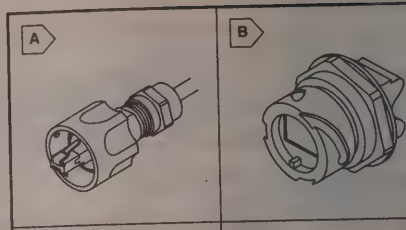
617-09-45-715-1127	09 45 715 1127	M	Both ends IP67 Metal Data 3A; 5 meter length	74.80	71.06	67.32
617-09-45-701-1168	09 45 701 1168	M	End A IP20, End B IP67 Push Pull; 5 meter length	52.16	49.55	46.94

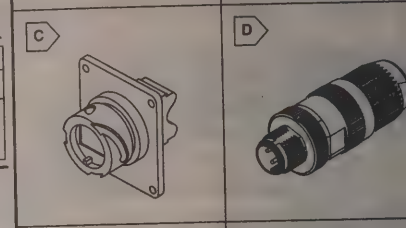
HARTING RJ INDUSTRIAL GIGALINK SERIES - CAT 6

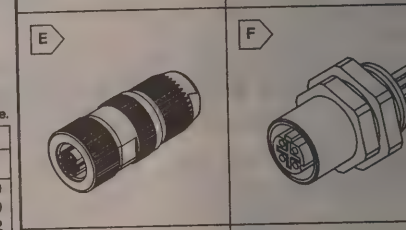
- Transmission properties in accordance with Category 6 ISO/IEC 11 801:2002 and EN 50173-1
- Cable standard in accordance with ISO/IEC 11 801
- Sealed to IP 67
- Housing material: Black Thermoplastic, UL 94V-0
- Fast assembly using crimp termination
- Temperature range: -40°C to +70°C

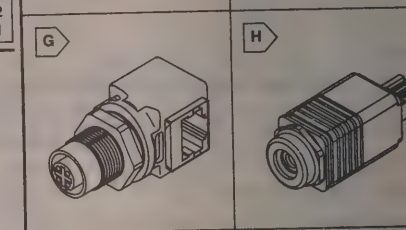
For quantities of 25 and up, call for quote.

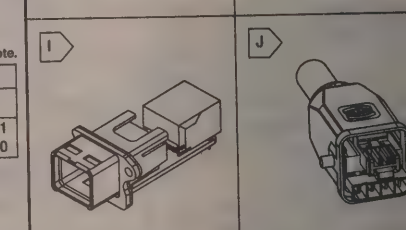
MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each 1	5	10
IP67 Push Pull Connector						
617-09-45-145-1500	09 45 145 1500	N	Push Pull Cable Plug, straight with plastic cable gland, 4 pair	14.46	13.74	13.01
Crimp Tool						
617-09-45-800-0500	09 45 800 0500	---	Crimp Tool for 4 pair connectors	354.98	337.23	319.48
PROFInet® Type B Hybrid Cable						
617-09-45-600-0300	09 45 600 0300	O	2 x 2 x AWG 22/7, Stranded, Green, 100m cable ring	1206.64	1146.31	1085.98
CAT6 Cable Assemblies						
617-09-45-745-1527	09 45 745 1527	P	Both ends IP67 Plastic Push Pull; 5 meter length	75.02	71.27	67.52
617-09-45-701-1568	09 45 701 1568	P	End A IP20, End B IP67 Push Pull; 5 meter length	62.44	59.32	56.20

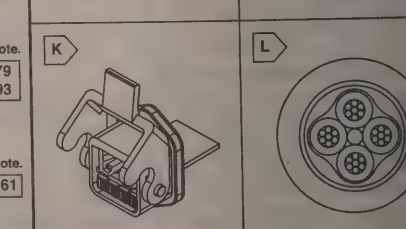


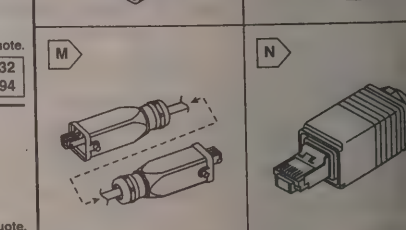


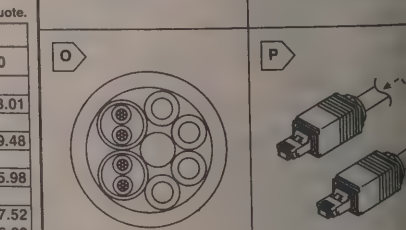












Industrial Ethernet Connectors and Cat 5E / 6 Cables

INDUSTRIAL ETHERNET PLUGS AND JACKS, CATEGORY 5E

es (84702-0006/0008):

ry 5E specified for high data transmission speeds
nd NEMA 6p ratings - water and dust tight for
nal integrity
t style latch receptacle for quick and easy connection
pper mating depth ensured
ailing surface for less likelihood of failure
nd is potted for extra durability (84702-0008 only)

s (84700-0001/0002/0003):

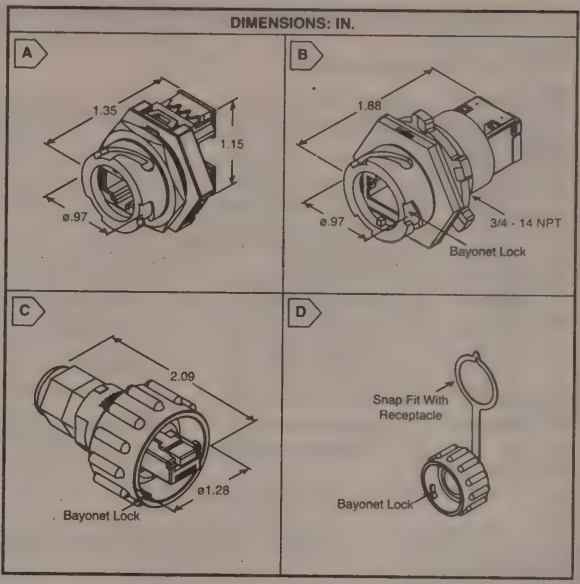
d construction provides protection to terminals and
nds harsh environments
Category 5E performance for fast ethernet industry
d

Specifications (All):

- Contact: Phosphor Bronze (CwSn)
- Plating Contact: 1.3µm Gold (Au)
- Under Plating: Nickel (Ni)
- Housing Material: PA Polyamide (Nylon) PBT Polyester, TPE Thermo Plastic Elastomer
- Color: Black
- Flammability: UL 94V-0
- Durability (mating cycles): 500 cycles min.
- Current: 1.5A max.
- Voltage: 125V max.
- Withstanding Voltage: 1000VAC
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 500MΩ Min.

NEW! TECHNOLOGY

DIMENSIONS: IN.



For quantities of 100 and up, call for quote.

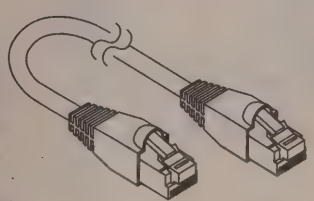
USER CK NO.	Molex Part No.	Fig.	Circuits	Description	Price Each 1	10	25	50
702-0006	84702-0006	A	8	Panel Mount Receptacle	14.06	13.08	11.58	10.46
702-0008	84702-0008	A	8	Panel Mount, Potted Receptacle	18.08	17.68	14.98	13.62
700-0001	84700-0001	B	8	Bulkhead Receptacle	34.56	31.16	23.45	22.21
700-0002	84700-0002	C	8	Plug	23.27	20.64	15.59	14.79
700-0003	84700-0003	D	8	Dust Cover	12.49	11.09	8.24	7.83
					1			
016-0045	64016-0045	-	-	Crimp Tool	38.65			

CATEGORY 5E PATCH CORD LE ASSEMBLIES

tyco Electronics

s:
l boots
l cables
ded

stions:
-568A wired
ed performance
s Category 5 performance standards
24 AWG, stranded, non-plenum, unshielded
J45 to RJ45



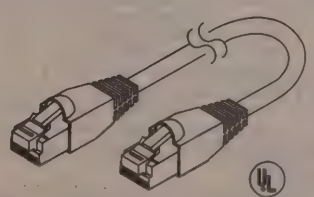
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Color	Length	Description	Price Each 1	25	50	100
571-2192413	219241-3	Gray	3 ft.	Unshielded 4 pair RJ45 to RJ45	3.40	3.23	3.15	2.89
571-2192423	219242-3	Blue	3 ft.	Unshielded 4 pair RJ45 to RJ45	3.40	3.23	3.15	2.89
571-2192433	219243-3	Green	3 ft.	Unshielded 4 pair RJ45 to RJ45	3.40	3.23	3.15	2.89
571-2192443	219244-3	Red	3 ft.	Unshielded 4 pair RJ45 to RJ45	3.40	3.23	3.15	2.89
571-2192417	219241-7	Gray	7 ft.	Unshielded 4 pair RJ45 to RJ45	4.64	4.41	4.29	3.94
571-2192427	219242-7	Blue	7 ft.	Unshielded 4 pair RJ45 to RJ45	4.64	4.41	4.29	3.94
571-2192437	219243-7	Green	7 ft.	Unshielded 4 pair RJ45 to RJ45	4.64	4.41	4.29	3.94
571-2192447	219244-7	Red	7 ft.	Unshielded 4 pair RJ45 to RJ45	4.64	4.41	4.29	3.94
571-12192414	1-219241-4	Gray	14 ft.	Unshielded 4 pair RJ45 to RJ45	6.82	6.48	6.31	5.80
571-12192424	1-219242-4	Blue	14 ft.	Unshielded 4 pair RJ45 to RJ45	6.82	6.48	6.31	5.80
571-12192434	1-219243-4	Green	14 ft.	Unshielded 4 pair RJ45 to RJ45	6.82	6.48	6.31	5.80
571-12192444	1-219244-4	Red	14 ft.	Unshielded 4 pair RJ45 to RJ45	6.82	6.48	6.31	5.80

ON. MOLDED CABLES - CAT 5E AND CAT 6

s:
Round UTP stranded
ded twisted pair cable
able wired to
ECO/AT&T/258A configuration

- Molded on snagless boots
- CAT 5E Cables (350MHz)
- CAT 6 Cables (500MHz)



For quantities of 250 and up, call for quote.

USER CK NO.	Emerson Part No.	Color	Length (Feet)	Price Each 1	25	50	100
7790-3	73-7790-3	Gray	3	1.39	1.24	1.14	1.10
7791-3	73-7791-3	Black	3	1.39	1.24	1.14	1.10
7792-3	73-7792-3	Blue	3	1.39	1.24	1.14	1.10
7793-3	73-7793-3	Green	3	1.39	1.24	1.14	1.10
7794-3	73-7794-3	Red	3	1.39	1.24	1.14	1.10
7795-3	73-7795-3	Yellow	3	1.39	1.24	1.14	1.10
7796-3	73-7796-3	White	3	1.39	1.24	1.14	1.10
7790-7	73-7790-7	Gray	7	2.01	1.81	1.60	1.51
7791-7	73-7791-7	Black	7	2.01	1.81	1.60	1.51
7792-7	73-7792-7	Blue	7	2.01	1.81	1.60	1.51
7793-7	73-7793-7	Green	7	2.01	1.81	1.60	1.51
7794-7	73-7794-7	Red	7	2.01	1.81	1.60	1.51
7795-7	73-7795-7	Yellow	7	2.01	1.81	1.60	1.51
7796-7	73-7796-7	White	7	2.01	1.81	1.60	1.51
7790-14	73-7790-14	Gray	14	3.77	3.36	3.01	2.82
7791-14	73-7791-14	Black	14	3.77	3.36	3.01	2.82
7792-14	73-7792-14	Blue	14	3.77	3.36	3.01	2.82
7793-14	73-7793-14	Green	14	3.77	3.36	3.01	2.82
7794-14	73-7794-14	Red	14	3.77	3.36	3.01	2.82
7795-14	73-7795-14	Yellow	14	3.77	3.36	3.01	2.82
7796-14	73-7796-14	White	14	3.77	3.36	3.01	2.82
7790-25	73-7790-25	Gray	25	5.34	4.76	4.25	3.99

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Emerson Part No.	Color	Length (Feet)	Price Each 1	25	50	100
CAT 5E (Cont.)							
601-737791-25	73-7791-25	Black	25	5.34	4.76	4.25	3.99
601-737792-25	73-7792-25	Blue	25	5.34	4.76	4.25	3.99
601-737793-25	73-7793-25	Green	25	5.34	4.76	4.25	3.99
601-737794-25	73-7794-25	Red	25	5.34	4.76	4.25	3.99
601-737795-25	73-7795-25	Yellow	25	5.34	4.76	4.25	3.99
601-737796-25	73-7796-25	White	25	5.34	4.76	4.25	3.99
601-737790-50	73-7790-50	Gray	50	8.51	7.60	6.77	6.37
601-737791-50	73-7791-50	Black	50	8.51	7.60	6.77	6.37
601-737792-50	73-7792-50	Blue	50	8.51	7.60	6.77	6.37
601-737793-50	73-7793-50	Green	50	8.51	7.60	6.77	6.37
601-737794-50	73-7794-50	Red	50	8.51	7.60	6.77	6.37
601-737795-50	73-7795-50	Yellow	50	8.51	7.60	6.77	6.37
601-737796-50	73-7796-50	White	50	8.51	7.60	6.77	6.37
CAT 6							
601-738890-3	73-8890-3	Gray	3	2.41	2.14	1.93	1.75
601-738892-3	73-8892-3	Blue	3	2.41	2.14	1.93	1.75
601-738890-7	73-8890-7	Gray	7	3.26	2.90	2.61	2.37
601-738892-7	73-8892-7	Blue	7	3.26	2.90	2.61	2.37
601-738890-10	73-8890-10	Gray	10	4.34	3.98	3.69	3.45
601-738892-10	73-8892-10	Blue	10	4.34	3.98	3.69	3.45
601-738890-14	73-8890-14	Gray	14	6.53	5.80	5.22	4.75
601-738892-14	73-8892-14	Blue	14	6.53	5.80	5.22	4.75

PHOENIX CONTACT
INSPIRING INNOVATION

NEW AT MOUSER NEW AT MOUSER NEW AT MOUSER NEW AT MOUSER
Data/Network/Telecom
Phoenix Contact

PHOENIX CONTACT INDUSTRIAL DATA CONNECTORS

VARIOSUB RJ45

Industrial ethernet connection for CAT 5 and CAT 6

Features:

- Patented VARIOSUB housing with push/pull locking system
- IP67 rated connections for protection from dust, dirt, water
- PCB mount or panel feed thru connections
- Fully shielded inserts

For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	Price Each 1	10	25
651—1688696		A	VS-08-T-RJ45/IP67	Cat5 RJ45 IP67 Plastic sleeve housing	9.60	8.90	8.30
651—1652732		A	VS-08-T-H-RJ45/IP67	Cat6 RJ45 IP67 Plastic sleeve housing	10.89	10.09	9.28
651—1689080		B	VS-08-A-RJ45/MOD-1-IP67	IP67 Panel mount frame for sq panel cutout	5.71	5.30	4.88
651—1689844		B	VS-08-A-RJ45/MOD-1-R-IP67	IP67 Panel mount frame for round cut-out	5.86	5.39	4.92
651—1688573		C	VS-08-ST-RJ45	Cat5 RJ45 Male Insert, IDC	6.30	5.69	5.44
651—1652729		C	VS-08-ST-H21-RJ45	Cat6 RJ45 Male Insert, IDC	15.68	14.42	13.27
651—1689064		D	VS-08-BU-RJ45/BU	Cat5 RJ45 Female insert, Fem / Fem	14.90	14.40	12.10
651—1689459		D	VS-08-BU-RJ45/KA/LSA	Cat5 RJ45 Female insert for cable connection	33.95	30.55	28.18
651—1653168		D	VS-08-BU-RJ45-6/KA/LSA	Cat6 RJ-45 Female insert for cable connection	35.44	32.60	30.06
651—1653090		D	VS-08-BU-RJ45-6/LV-1	Cat6 RJ-45 Female insert for PCB(straight pins)	8.59	7.91	7.27
651—1653087		D	VS-08-BU-RJ45-6/LH-1	Cat6 RJ-45 Female insert for PCB(angled pins)	8.59	7.91	7.27
651—1689200		-	VS-08-SD	Flat protective cover	6.67	6.00	5.65
Tooling					1		5
651—1206696		-	CRIMPFOX-LC	Hand crimp tool without die	195.70		190.00
651—1207420		-	CRIMPFOX-LC-RJ45S	Die for VS-08-ST-RJ45 male insert	164.93		161.50

VARIOSUB USB

Provides connection of peripherals for industrial PC's and control systems.

Features:

- Compatible with USB 2.0
- Transmission rate 480Mbp/s
- IP67 and IP20 rated connections for protection from dust, dirt, water
- Mates with Phoenix Contact VARIOSUB USB Patch Cables

For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	Price Each 1	10	25
651—1653744		B	VS-A-F-IP67	IP67 Panel mounting frame for female inserts	6.02	5.42	4.89
651—1653838		E	VS-04-BUA-BUB-F/IP67	USB-A to USB-B Fem / Fem insert (reversible)	39.17	36.04	33.16
651—1653854		E	VS-04-BUA-FK-F/IP67	USB-A Female insert for flat-ribbon connection	30.92	28.45	26.17
651—1653867		E	VS-04-BUB-FK-F/IP67	USB-B Female insert for flat-ribbon connection	30.92	28.45	26.17

VARIOSUB FireWire

Provides connection of peripherals for industrial PC's when high data transmission for "real time" is required.

Features:

- Transmission rate 480Mbp/s
- Meets specifications of IEEE 1394
- IP67 rated connection for protection from dust, dirt, water
- Mates with Phoenix Contact VARIOSUB FireWire Patch Cables

For quantities of 50 and up, call for quote.

651—1653744		B	VS-A-F-IP67	IP67 Panel mounting frame for female inserts	6.02	5.42	4.89
651—1654329		F	VS-06-BU-BU-F/IP67	Female / Female insert	39.23	36.09	33.21
651—1654332		F	VS-06-BU-FK-F/IP67	Female insert for flat-ribbon connection	35.43	32.89	29.98

PHOENIX CONTACT INDUSTRIAL PATCH CABLES

Features:

- IP67 and IP20 housings use VARIOSUB's patented push/pull locking system

VARIOSUB RJ45 Patch Cables

For quantities of 20 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	Price Each 1	2	5	10
651—1689572		G	VS-08-LI-VSIP67-VSIP67-CF-5.0	CAT5 RJ45/IP67 - RJ45/IP67, 5m	96.57	91.74	87.15	79.85
651—1689585		G	VS-08-LI-VSIP67-VSIP20-CF-5.0	CAT5 RJ45/IP67 - RJ 45/IP20, 5m	89.36	82.21	75.63	69.58
651—1689598		G	VS-08-LI-VSIP67-RJ45-CF-5.0	CAT5 RJ45/IP67 - RJ45, 5m	89.94	82.74	76.12	70.03
651—1689608		G	VS-08-LI-VSIP20-VSIP20-CF-5.0	CAT5 RJ45/IP20 - RJ45/IP20, 5m	87.59	80.59	74.13	68.25
651—1689611		G	VS-08-LI-VSIP20-RJ45-CF-5.0	CAT5 RJ45/IP20 - RJ45, 5m	85.15	78.34	72.08	66.30
651—1689624		G	VS-08-LI-RJ45-RJ45-CF-5.0	CAT5 Std RJ45 - Std RJ45, 5m	79.23	72.88	67.05	63.71
651—1653197		G	VS-08-4x2x26C6/7-2xVS67/5.0	CAT6 RJ 45/IP67 - RJ45/IP67, 5m	93.48	86.08	79.13	72.79
651—1653207		G	VS-08-4x2x26C6/7-VS67-RJ45/5.0	CAT6 RJ45/IP67 - Std RJ45, 5m	90.94	83.66	76.97	70.81
651—1653210		G	VS-08-4x2x26C6/7-2xRJ45/5.0	CAT6 Std RJ45 - Std RJ45, 5m	88.33	81.27	74.76	68.78

VARIOSUB USB Patch Cables

For quantities of 20 and up, call for quote.

651—1653870		H	VS-04-2x2x26C7/7-67A/67B/2.0	Type A/IP67 - Type B/IP67, 2m	91.13	83.84	77.13	70.95
651—1653896		H	VS-04-2x2x26C7/7-67A/SdB/2.0	Type A/IP67 - Type B/stand, 2m	77.76	71.53	65.81	60.54
651—1653919		H	VS-04-2x2x26C7/7-67B/SdA/2.0	Type B/IP67 - Type A/stand, 2m	77.76	71.53	65.81	60.54
651—1653883		H	VS-04-2x2x26C7/7-67A/67B/5.0	Type A/IP67 - Type B/IP67, 5m	116.91	107.55	98.95	91.04
651—1653906		H	VS-04-2x2x26C7/7-67A/SdB/5.0	Type A/IP67 - Type B/stand, 5m	102.99	94.75	87.17	80.19
651—1653922		H	VS-04-2x2x26C7/7-67B/SdA/5.0	Type B/IP67 - TypeA/stand, 5m	102.99	94.75	87.17	80.19
651—1654853		H	VS-04-2X2X26C7/7-SDA/SDB/1.0	Standard Type A-to- Standard Type B, 1m	37.27	34.29	31.55	29.03
651—1653935		H	VS-04-2X2X26C7/7-SDA/SDB/2.0	Standard Type A-to- Standard Type B, 2m	55.11	50.71	46.64	42.92
651—1655771		H	VS-04-2x2x26C7/7-SDA/OE/1.0	Standard Type A-to- open end, 1m	34.29	31.55	29.03	26.72
651—1655784		H	VS-04-2x2x26C7/7-SDA/OE/2.0	Standard Type A-to- open end, 2m	45.24	41.63	38.29	35.23
651—1655797		H	VS-04-2x2x26C7/7-SDA/OE/5.0	Standard Type A-to- open end, 5m	70.93	65.26	60.04	55.24

VARIOSUB FireWire Patch Cables

For quantities of 20 and up, call for quote.

651—1653993		I	VS-06-2x2x26C7/7-67/67/0.5	IP67 Plug - IP67 Plug, 0.5 m	71.99	66.23	60.93	56.06
651—1654002		I	VS-06-2x2x26C7/7-67/67/1.0	IP67 Plug - IP67 Plug, 1.0 m	77.61	71.41	65.69	60.43
651—1654015		I	VS-06-2x2x26C7/7-67/67/2.0	IP67 Plug - IP67 Plug, 2.0 m	86.87	79.92	73.54	67.65
651—1654028		I	VS-06-2x2x26C7/7-67/67/5.0	IP67 Plug - IP67 Plug, 5.0 m	111.49	102.57	94.36	86.82

PHOENIX CONTACT FL COM SERVER RS-232

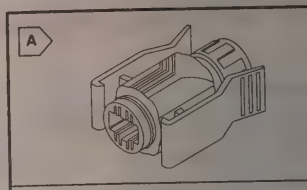
Ethernet has been highly accepted in industrial applications. However, not all automation devices are network-compatible. The "Serial Device Server" FL COM SERVER RS232 solves this problem. It allows the easy integration of RS232 based end devices in 10/100 BASE-T(X) networks.

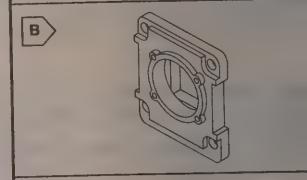
Features:

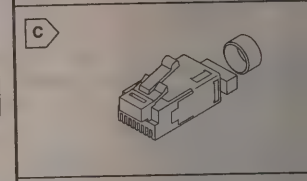
- DIN-RAIL Mounted
- 22.5mm Housing width
- Integrated Surge Voltage Protection
- 10/100 Base T (X) Auto Detect
- Support of all common Network Protocols
- Diagnostic Displays

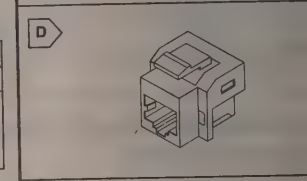
For quantities of 5 and up, call for quote.

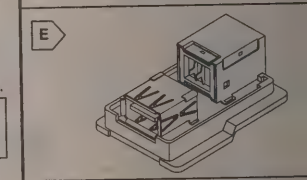
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	Price Each 1	2
651—2744490		J	FL COM SERVER RS232	Interface module to convert RS-323 to Ethernet	440.00	427.00

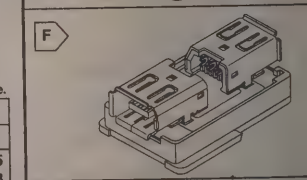


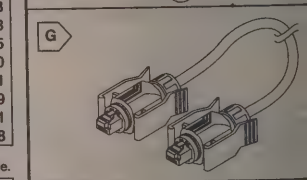


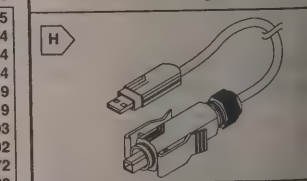


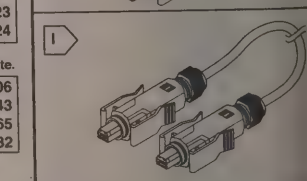


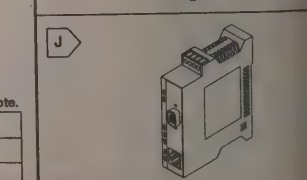




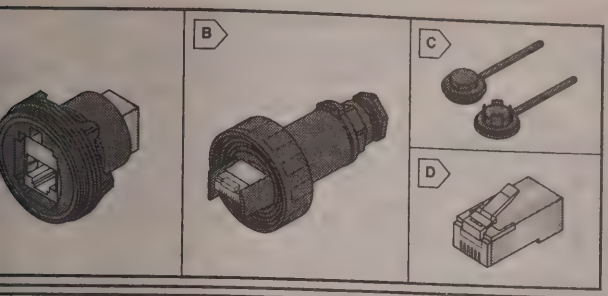








IP68 USB Connectors, Cables, Patch Cords, and Modular Jacks

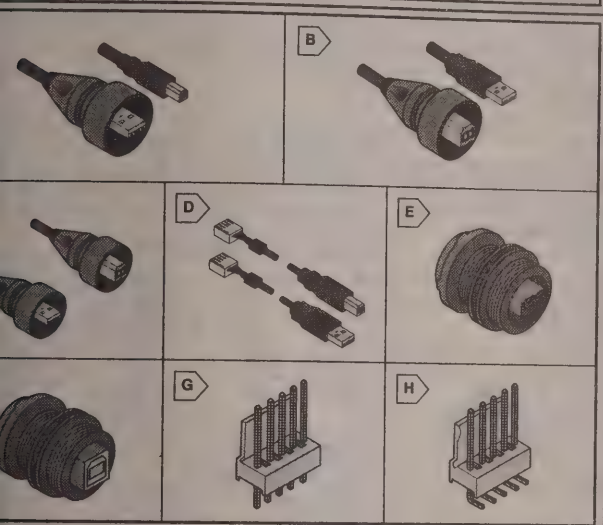


BULGIN ENVIRONMENTALLY SEALED CAT 5E - IP68 CONNECTORS

Features:
- IP68 Rated
- Cat 5e compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	25	50	100
167-PX0833	A	Panel mount shielded coupler	30.95	27.59	22.94	20.77
177-PX0834/A	B	Flex connector for PE & PUR cable	14.88	13.24	11.01	9.97
177-PX0834/B	B	Flex connector for cable 3.5-8mm	14.88	13.24	11.01	9.97
157-PX0835	C	Sealing cap for PX0834	1.47	1.31	1.09	.99
157-PX0733	C	Sealing cap for PX0833 & PX0842	.87	.80	.71	.60
157-14150	D	Shielded RJ45 plug	1.44	1.33	1.27	1.27



BULGIN IP68 USB CONNECTORS & CABLES

Patch Cords and Adapter Cables

- Environmentally sealed to IP68 standard
- 1.5Mbs to 480Mbs
- Single and double ended cables
- Shielded system

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Fig.	Description	Price Each			
				1	10	100	500
172—	PX0840/A/2M00	A	IP68 A type to standard B type 2M	7.05	6.27	5.22	4.72
172—	PX0840/A/3M00	A	IP68 A type to standard B type 3M	8.70	7.74	6.44	5.83
172—	PX0840/A/5M00	A	IP68 A type to standard B type 5M	11.58	10.31	8.57	7.76
172—	PX0840/B/2M00	B	IP68 B type to standard A type 2M	7.05	6.27	5.22	4.72
172—	PX0840/B/3M00	B	IP68 B type to standard A type 3M	8.70	7.74	6.44	5.83
172—	PX0840/B/5M00	B	IP68 B type to standard A type 5M	11.58	10.31	8.57	7.76
172—	PX0841/AB/2M00	C	IP68 A type to IP68 B type 2M	11.34	10.09	8.39	7.60
172—	PX0841/AB/3M00	C	IP68 A type to IP68 B type 3M	13.35	11.88	9.88	8.94
172—	PX0841/AB/5M00	C	IP68 A type to IP68 B type 5M	15.84	14.10	11.72	10.61
172—	14193	D	Standard A to 5pin crimp 100mm	2.99	2.63	2.34	1.94
172—	14194	D	Standard B to 5pin crimp 100mm	2.99	2.63	2.34	1.94

Panel Mount Connectors & PCB Headers

167—	PX0842/A	E	A type USB, panel mount	7.95	7.08	5.90	5.33
167—	PX0842/B	F	B type USB, panel mount	7.95	7.08	5.90	5.33
177—	14191	G	5 pin straight header	.20	.18	.15	.14
177—	14192	H	5 pin right angle header	.23	.21	.18	.16

CONN MODULAR PLUGS AND ACCESSORIES

r Cables

s:
e: 6 micro inch gold plated-phosphor bronze
ctor, color-coded wiring
lor
26 AWG, 7 strand

- Housing material: ABS and polycarbonate
- Jacket insulation: PVC

For quantities of 1000 and up, call for quote.

ER NO.	Fig.	Cable Lth. (ft.)	Description	Price Each			
				1	10	100	500
01	A	7	6P/4C plug to 6P/4C plug	2.09	1.46	1.46	1.32
03	B	7	6P/4C plug to 4 spade term	1.35	1.20	1.06	.95
04	B	7	6P/6C plug to 6 spade term	2.45	2.04	1.85	1.68
05	B	7	8P/8C plug to 8 spade term	3.58	2.98	2.71	2.46

r Jack Plates

For quantities of 1000 and up, call for quote.

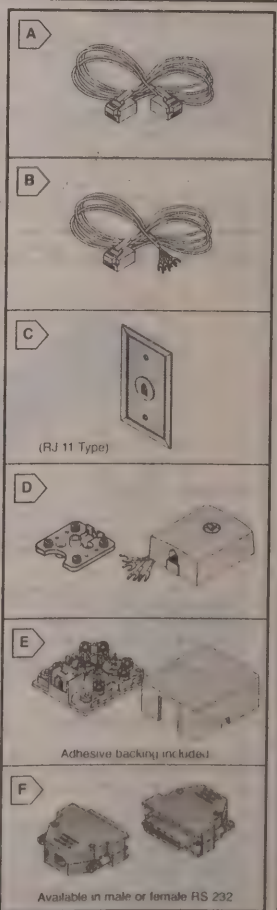
ER NO.	Fig.	Description	Price Each			
			1	10	100	500
6	C	6P/4C plate/modular jack	1.89	1.69	1.39	1.27
7	D	6P/4C surface mount jack	2.13	1.78	1.62	1.47
8	E	6P/6C surface mount jack	2.58	2.15	1.95	1.77
9	E	8P/8C surface mount jack	3.48	2.90	2.64	2.40

/ Modular D-Sub Jack Adapters

use of low cost 6 or 8 conductor modular cable between computers and peripherals.
15 have 1 piece molded case.

For quantities of 50 and up, call for quote.

ER NO.	Fig.	Description		Price Each			
				1	5	10	20
6M	F	Gray	6P6C DB9 Male	2.32	1.94	1.76	1.60
6F	F	Gray	6P6C DB9 Female	2.32	1.94	1.76	1.60
8M	F	Gray	8P8C DB9 Male	2.32	1.94	1.76	1.60
8F	F	Gray	8P8C DB9 Female	2.32	1.94	1.76	1.60
6M	F	Gray	6P6C DB15 Male	2.32	1.94	1.76	1.60
6F	F	Gray	6P6C DB15 Female	2.32	1.94	1.76	1.60
8M	F	Gray	8P8C DB15 Male	2.32	1.94	1.76	1.60
8F	F	Gray	8P8C DB15 Female	2.32	1.94	1.76	1.60
6M	F	Black	6P6C DB25 Male	3.55	2.96	2.69	2.45
8M	F	Black	8P8C DB25 Male	3.55	2.96	2.69	2.45
8F	F	Black	8P8C DB25 Female	3.55	2.96	2.69	2.45



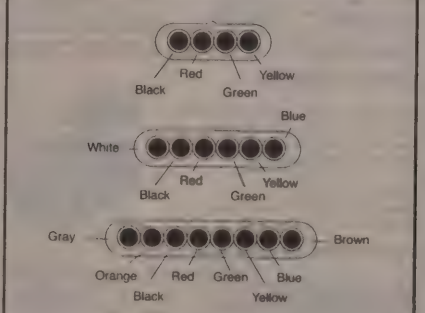
KOBICONN FLAT MODULAR TELEPHONE AND DATA CABLE

This modular telephone cable is available in 4, 6, and 8 conductor in three colors: silver satin, black and white. It is sold in 1000' spools.

Features:
- Available in black, white or silver satin
- Tinned copper conductors prevent corrosion
- Compatible with all USOC modular plugs

Specifications:
- 26 AWG, 7 x 34 stranding
- Conductors are USOC color coded
- PVC jacket

Cable Diagrams

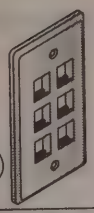


1000' Spool For quantities of 25 and up, call for quote.

SPOOL STOCK NO.	No. of Cond	Color	Price Per 1000' Spool		
			1	5	10
172-UL4010	4	Silver	52.55	47.82	43.50
172-UL6010	6	Silver	68.02	61.90	56.33
172-UL8010	8	Silver	92.09	83.80	72.26
172-UL4110	4	Black	52.55	47.82	43.50
172-UL6110	6	Black	68.02	61.90	56.33
172-UL8110	8	Black	92.09	83.80	72.26
172-UL4210	4	White	52.55	47.82	43.50
172-UL6210	6	White	68.02	61.90	56.33
172-UL8210	8	White	92.09	83.80	72.26

LEVITON Telephone Accessories

QUICKPORT® SINGLE-GANG WALLPLATES



Houses six InfoTap Snap-In Modules, which you select and snap in. The snap-in jacks are individually terminated using IDC'S with punchdown caps for quick installation. Meets FCC Part 68 requirements, and NEC Article 800.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Leviton Part No.	Color	Price Each 1	10	50
503-41080-6IP	41080-6IP	Ivory	1.87	1.76	1.70
503-41080-6WP	41080-6WP	White	1.87	1.76	1.70

VOICE/DATA JACK-DECORA PLUS®

Allows field installation of up to two InfoTap® Snap-In modules. Meets FCC part 68 requirements.

- Empty housing, no connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Leviton Part No.	Color	Price Each 1	10	50
503-41642-I	41642-I	Ivory	4.58	4.29	4.15
503-41642-W	41642-W	White	4.58	4.29	4.15

QUICKPORT® SNAP-IN MODULES

Designed to snap in and out of the Decora Plus®, and QuickPort® Six-Port Wallplate. Modules are UL listed, meets FCC Part 68 requirements, and fully comply with NEC Article 800.

Housing: UL94V-0
Spring wire contacts: Phosphor bronze, plated 50µ" gold over 100µ nickel

Blank Filler

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Leviton Part No.	Fig.	Color	Price Each 1	10	50
503-41084-BIB	41084-BIB	A	Ivory	.26	.25	.24
503-41084-BWB	41084-BWB	A	White	.26	.25	.24
503-41084-BEB	41084-BEB	A	Black	.26	.25	.24

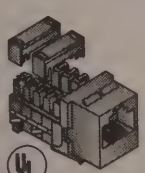
F Bulkhead Modules

503-41084-FIF	41084-FIF	B	Ivory	2.35	2.21	2.13
503-41084-FWF	41084-FWF	B	White	2.35	2.21	2.13

BNC Bulkhead Modules

503-41084-BIF	41084-BIF	C	Ivory	7.36	6.63	6.26
503-41084-BWF	41084-BWF	C	White	7.36	6.63	6.26

QUICKPORT® SNAP-IN CONNECTORS-VOICE GRADE



Designed to snap in and out of the Decora Plus, and QuickPort Six-Port Wallplate. Meets FCC Part 68 requirements, and fully comply with NEC Article 800.

Housing: UL94V-0
Spring wire contacts: Phosphor bronze, plated 50µ" gold over 100µ nickel

6-Conductor Jacks, USOC

For quantities of 100 and up, call for quote.

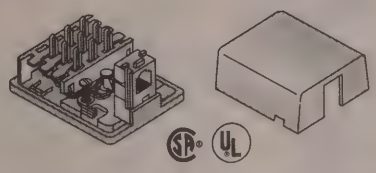
MOUSER STOCK NO.	Leviton Part No.	Color	Price Each 1	10	50
503-41106-RI6	41106-RI6	Ivory	3.41	3.20	3.09
503-41106-RW6	41106-RW6	White	3.41	3.20	3.09
503-41106-RE6	41106-RE6	Black	3.41	3.20	3.09

8-Conductor Jacks

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Leviton Part No.	Color	Price Each 1	10	50
Non-Keyed, USOC					
503-41108-RI8	41108-RI8	Ivory	3.41	3.20	3.09
503-41108-RE8	41108-RE8	Black	3.41	3.20	3.09
503-41108-RW8	41108-RW8	White	3.41	3.20	3.09
Non-Keyed, Category 5					
503-41108-RI5	41108-RI5	Ivory	5.33	5.00	4.83
503-41108-RW5	41108-RW5	White	5.33	5.00	4.83
503-41108-RE5	41108-RE5	Black	5.33	5.00	4.83

QUICK JACKS



Features IDC 66 clip terminals to speed installation and troubleshooting. Comes with mounting hardware or use optional mounting magnet.

6-Conductor

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Leviton Part No.	Color	Price Each 1	10	50
503-41016-IQ	41016-IQ	Ivory	4.62	4.34	4.19

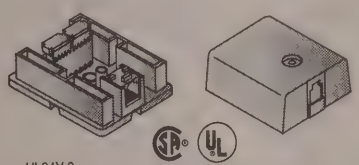
8-Conductor

For quantities of 100 and up, call for quote.

503-41018-IQ	41018-IQ	Ivory	5.31	4.98	4.81

SINGLE-PORT SURFACE MOUNT MODULAR JACKS

Accommodates one telecommunications or data port. Mounts easily on most walls, floors, and office furniture using screws or double-sided tape (both included). Meets FCC Part 68 requirements.



Housing: UL94V-0
Spring wire contacts: 50 microinch, gold plated, phosphor bronze

6-Conductor, USOC

For quantities of 100 and up, call for quote.

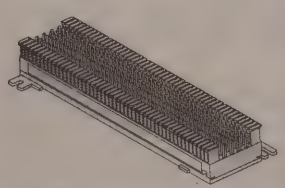
MOUSER STOCK NO.	Leviton Part No.	Color	Price Each 1	10	50
503-41036-IDA	41036-IDA	Ivory	5.58	5.24	5.06

8-Conductor, USOC

For quantities of 100 and up, call for quote.

503-41038-IDA	41038-IDA	Ivory	5.89	5.52	5.34

CONNECTING BLOCKS



M Block: 25-Pair

Contains 50 rows, each with a single clip having 4 slots. Incoming cable pairs are connected by terminating the tip conductor on the leftmost slot of one row and the ring conductor on the leftmost slot of the next lower row.

10"H x 3 5/16"W x 1 3/16"D **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.	Leviton Part No.	Price Each 1	10	50
503-40066-M25	40066-M25	27.52	25.80	24.94

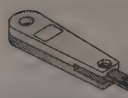
Split M Block: 50-Pair

Contains 50 rows of clips; each row contains two separate 2-slot clips. By terminating 25 incoming pairs on the slots of the left side and an additional 25 pairs on the slots of the right side, 50 cross connects can be made.

10"H x 3 5/16"W x 1 3/16"D **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.	Leviton Part No.	Price Each 1	10	50
503-40066-M50	40066-M50	18.76	16.88	15.95

TERMINATION TOOL

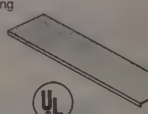


This "pocket friendly" tool quickly punches down 20 through 26 gauge unstripped wire in all Leviton devices using 66 clip terminals.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Leviton Part No.	Price Each 1	5
503-46666-BT	46666-BT	33.48	31.62

66 BLOCK COVERS FOR M BLOCKS



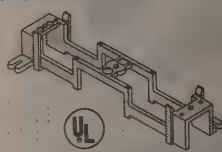
Fits 25 and 50 pair M blocks to protect wiring from dust, dirt, and shorting.

40050-MCV: Snap-on cover; Transparent 9 15/16" H x 2 5/16" W x 15/16" D
40050-MHG: Hinged cover; Gray 10" H x 2 7/16" W x 3/4" D

For quantities of 100 and up, call for

MOUSER STOCK NO.	Leviton Part No.	Price Each 1	10
503-40050-MCV	40050-MCV	4.05	3.80
503-40050-MHG	40050-MHG	3.79	3.56

STANDOFF BRACKET FOR M BLOCKS

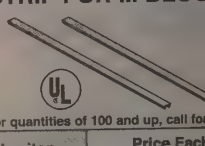


Open at top and bottom so that installers may mount bracket, lay cable, then install connecting block later. For use with all 25 and 50 pair M blocks.

For quantities of 100 and up, call fo

MOUSER STOCK NO.	Leviton Part No.	Price Each 1	10
503-40089B	40089B	7.63	7.16

DESIGNATION STRIP FOR M BLOC

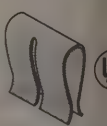


Lined strip snaps onto fanning strip of M blocks to identify pair assignments.

For quantities of 100 and up, call fo

MOUSER STOCK NO.	Leviton Part No.	Price Each 1	10
503-40056-DSM	40056-DSM	1.40	1.26

BRIDGING CLIPS

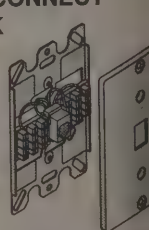


Clips press onto two center slots in any row of a Split M block. If outside cable pairs are terminated on left-hand clips and station equipment wire is terminated on right-hand clips, then connections may be made or eliminated by inserting or removing the bridging clips. Made of tin-plated phosphor bronze alloy; can be easily removed and reused for rewiring.

For quantities of 1000 and up, call f

MOUSER STOCK NO.	Leviton Part No.	Price Eac 1	200
503-40067-BC	40067-BC	.29	.27

TYPE 630A QUICK-CONNECT WALL PHONE JACK



Quick-connect terminals, screw-on plastic wallplate, metal bracket, mounting lugs, and installation tool. Removable lugs and color-matched plastic inserts (included) permit conversion from wall phone jack to flush mount jack.

- 6 position, 4 conductor jack

For quantities of 100 and up, call

MOUSER STOCK NO.	Leviton Part No.	Color	Price E 1	10
503-40253-I	40253-I	Ivory	3.95	3.7
503-40253-W	40253-W	White	3.95	3.7

PANDUIT

KEY ™ COPPER MODULES AND PATCH CORDS

™ Network Components provide a complete standards compliant infrastructure for voice, data and video applications. When teamed mplementary PANDUIT products, the NetKey ™ solution covers all your needs from the telecommunication room to the workstation proven innovation and quality that professionals depend on from PANDUIT.

gory 3, 5e, and 6 Jack Modules

es:

ory 6, 5e, & 5 modules meet or exceed all performance requirements including ACR, ELFEXT, & Return Loss.
coded sled indicates performance category.

Off White. Other colors available, contact a Mouser Service Representative.

For quantities of 100 and up, call for quote.

MOUSER TOCK NO.	Panduit Part No.	Fig.	Description	Price Each 1	10	25	50
K388MIW	NK388MIW	A	CAT 3 universal 8 position, 8 wire	4.33	4.10	3.88	3.65
K366UMIW	NK366UMIW	A	CAT 3 USOC 6 position, 6 wire	4.33	4.10	3.88	3.65
K366MIW	NK366MIW	A	CAT 3 6 position, 6 wire	4.33	4.10	3.88	3.65
K5E88MIW	NK5E88MIW	A	CAT 5e universal 8 position, 8 wire	4.64	4.39	4.15	3.90
K6TMIW	NK6TMIW	A	CAT 6 universal 8 position, 8 wire	9.98	9.45	8.93	8.40
JT	CJT	A	CAT 3/CAT 5e termination tool	1.52	1.44	1.36	1.28
GJT	CGJT	- -	CAT 6 termination tool	2.85	2.70	2.55	2.40
WST	CWST	- -	Cable snipping tool	39.90	37.80	35.70	33.60
JAST	CJAST	- -	Cable stripping tool	49.88	47.25	44.63	42.00

V/Video Modules

es:

ne housings with adapters for F-Type and BNC Coax, and RCA connectors
Keystone modules available for future expansion.
ed for a wide array of audio and video applications.

Off White. Other colors available, contact a Mouser Service Representative.

For quantities of 100 and up, call for quote.

OUSER OCK NO.	Panduit Part No.	Fig.	Description	Price Each 1	10	25	50
KFIW	NKFIW	B	75 ohm F-Type	5.32	5.04	4.76	4.48
KBNCMIW	NKBNCMIW	C	50 ohm BNC	8.55	8.10	7.65	7.20
KRTMRIW	NKRTMRIW	D	RCA - red insert	9.79	9.27	8.76	8.24
KRTMYIW	NKRTMYIW	D	RCA - yellow insert	9.79	9.27	8.76	8.24
KRTMWIW	NKRTMWIW	D	RCA - white insert	9.79	9.27	8.76	8.24
KBMIW-X	NKBMIW-X	E	Blank module	.19	.18	.17	.16

ory 5e Patch Cords

es:

tangle free latch prevents snags and provides lease, saving time on frequent moves, adds, & changes.
ds FCC Part 68 and IEC 603-7 specifications.

- Constructed of enhanced performance 24 AWG stranded UTP cable.
- Contacts plated with 50 microinches of gold.
- 100% performance tested.

Off White. Other colors available, contact a Mouser Service Representative.

For quantities of 100 and up, call for quote.

OUSER OCK NO.	Panduit Part No.	Fig.	Length (Ft.)	Price Each 1	10	25	50
K5EPC3	NK5EPC3	F	3	5.21	4.93	4.66	4.38
K5EPC5	NK5EPC5	F	5	5.81	5.51	5.20	4.90
K5EPC7	NK5EPC7	F	7	6.57	6.23	5.88	5.54
K5EPC10	NK5EPC10	F	10	7.54	7.15	6.75	6.35
K5EPC14	NK5EPC14	F	14	9.88	9.36	8.84	8.32

KEY ™ FACEPLATES

s:

ll NetKey Modules for UTP (including Category 5e and Category 6), Fiber Optic, lio/Video, which snap in and out for easy moves, adds, and changes.
mounting screws

ff White. Other colors available, contact a Mouser Service Representative.

For quantities of 100 and up, call for quote.

OUSER OCK NO.	Panduit Part No.	Fig.	Description	Price Each 1	10	25	50
Mount Faceplates with Label and Label Cover							
K1FIW	NK1FIW	G	Single gang, accepts 1 module	1.62	1.53	1.45	1.36
K2FIW	NK2FIW	G	Single gang, accepts 2 modules	1.62	1.53	1.45	1.36
K4FIW	NK4FIW	G	Single gang, accepts 4 modules	1.62	1.53	1.45	1.36
K12FIW	NK12FIW	G	Double gang, accepts 12 modules	3.90	3.69	3.49	3.28
Mount Faceplates Only							
K1FNIW	NK1FNIW	H	Single gang, accepts 1 module	1.52	1.44	1.36	1.28
K2FNIW	NK2FNIW	H	Single gang, accepts 2 modules	1.62	1.53	1.45	1.36
K4FNIW	NK4FNIW	H	Single gang, accepts 4 modules	1.52	1.44	1.36	1.28

Duplex and Rectangular Module Frames

s:

ll NetKey Modules for UTP (including Category 5e and Category 6), Fiber Optic, lio/Video, which snap in and out for easy moves, adds, and changes.
ehind all standard "106" or retangular electrical wall plates

f White. Other colors available, contact a Mouser Service Representative.

For quantities of 100 and up, call for quote.

OUSER OCK NO.	Panduit Part No.	Fig.	Description	Price Each 1	10	25	50
K4106MFIW	NK4106MFIW	I	4 position, "106" duplex	2.28	2.16	2.04	1.92
K4RMFIW	NK4RMFIW	J	4 position, rectangular	2.85	2.70	2.55	2.40

ar Furniture Faceplate

s:

ll NetKey Keystone Copper Modules & Duplex Fiber Optic Modules
l NetKey Keystone modules snap in & out for easy moves, adds, and changes

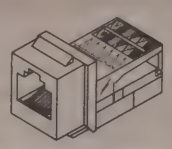
- Faceplate snaps into modular furniture openings

ack. Other colors available, contact a Mouser Service Representative.

For quantities of 100 and up, call for quote.

OUSER OCK NO.	Panduit Part No.	Fig.	Description	Price Each 1	10	25	50
K4MFBL	NK4MFBL	K	Snap mount 4 position faceplate	2.76	2.61	2.47	2.32

A

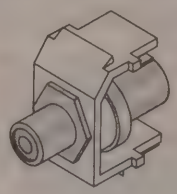


Suggested Label Solutions For TIA/EIA-606-A Compliances:

Desktop Printers: Laser/Inkjet
(Label Part No C138X019FJJ)

Portable Printers: 644-LS6
(Label Part No. C138X019J6)

B



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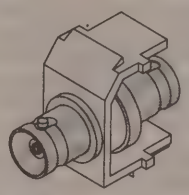

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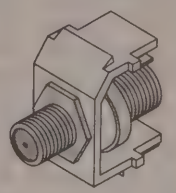

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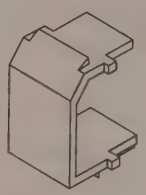

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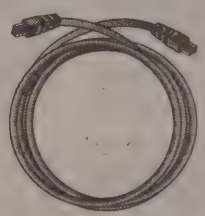
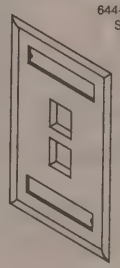
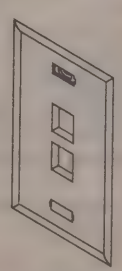


G

644-NK2FIW
Shown



H



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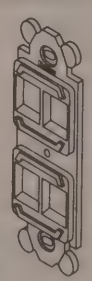


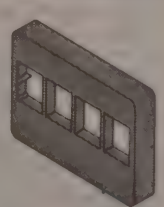
J

K

Suggested Label Solutions For TIA/EIA-606-A Compliances:

Desktop Printers: Laser/Inkjet
(Label Part No. C252X030FJJ)

Portable Printers: 644-LS7
(Label Part No. 644-LS7-25-1)



microGIGaCN HIGH SPEED I/O CONNECTORS

Designed for high speed differential signal applications such as 10G Ethernet, CX4, SAS, and SATA-2 applications.

Features:

- Matched Impedance: 100 ohms ±10%
- Low insertion loss and low cross talk
- Adopted by InfinBand as 4x (4 channel) and 12x (12 channel) I/O Interface
- Meets Bellcor 1217
- Insulator Material: LCP Resin (UL94V-0)
- Conductor Material: Copper Alloy
- Contact Plating: Gold Plated

Specifications:

- Operating Temperature Range: -55°C to +105°C
- Current Rating: AC 0.5A (signal) AC 1A (ground)
- Voltage Rating: AC 30V
- Contact Resistance: 80 m ohms max. (signal) 35 m ohms max. (ground)
- Insulation Resistance: 1000M ohms minimum

Socket Connectors

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Polarization Posts	Solder Posts	Price Each 1	25	50	100	250
Latch Style with Alignment Post									
817-FCN-268D008-G1D	FCN-268D008-G/1D	A	- - -	0.063	9.26	7.94	7.54	6.95	6.25
817-FCN-268D008-G1F	FCN-268D008-G/1F	A	- - -	0.093	9.26	7.94	7.54	6.95	6.25
817-FCN-268D008-G1K	FCN-268D008-G/1K	A	- - -	0.110	9.26	7.94	7.54	6.95	6.25
Latch Style with Crush Pin Feature									
817-FCN-268D008-G2D	FCN-268D008-G/2D	B	low force	0.063	9.26	7.94	7.54	6.95	6.25
817-FCN-268D008-G2F	FCN-268D008-G/2F	B	low force	0.093	9.26	7.94	7.54	6.95	6.25
817-FCN-268D008-G2K	FCN-268D008-G/2K	B	low force	0.110	9.26	7.94	7.54	6.95	6.25
Thumbscrew									
817-FCN-268D008-G20	FCN-268D008-G/20	C	low force	0.063	10.52	9.02	8.57	7.89	7.10
817-FCN-268D008-G21	FCN-268D008-G/21	C	low force	0.093	10.52	9.02	8.57	7.89	7.10
817-FCN-268D008-G23	FCN-268D008-G/23	C	low force	0.110	10.52	9.02	8.57	7.89	7.10
Latch Style w/ Mounting Ears									
817-FCN-268D008-G3LR	FCN-268D008-G/3L-R	D	diamond	0.063	13.53	11.60	11.02	10.15	9.14
817-FCN-268D008-G3MR	FCN-268D008-G/3M-R	D	diamond	0.093	13.53	11.60	11.02	10.15	9.14
Vertical Latch Style									
817-FCN-264D008-G2D	FCN-264D008-G/2D	E	low force	0.063	15.81	14.23	13.05	11.86	10.67
817-FCN-264D008-G2F	FCN-264D008-G/2F	E	low force	0.093	15.81	14.23	13.05	11.86	10.67

Plug Cable Assemblies

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Length (meter)	Description	Price Each 1	5	10
817-FCD-ZZ00015	FCD-ZZ00015	F	0.5	8 pair, 26 AWG, 4x plug assembly	115.62	109.53	103.45
817-FCD-ZZ00016	FCD-ZZ00016	F	1.0	8 pair, 26 AWG, 4x plug assembly	122.95	116.48	110.01
817-FCD-ZZ00019	FCD-ZZ00019	F	3.0	8 pair, 26 AWG, 4x plug assembly	152.27	144.25	136.24
817-FCD-ZZ00021	FCD-ZZ00021	F	5.0	8 pair, 26 AWG, 4x plug assembly	181.55	171.99	162.44

Loopback Modules

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Number of Pairs	Price Each 1	25	50	100	250
817-FCN-261Z008	FCN-261Z008	G	8	41.67	35.72	33.93	31.26	28.13
817-FCN-261Z024	FCN-261Z024	H	24	51.66	44.28	42.07	38.75	34.87

Hand Tool

Installs single retention clip which is included with the socket.

MOUSER STOCK NO.	Fujitsu Part No.	Price Each 1	5
817-FCN-268T-T514H	FCN-268T-T514/H	1129.41	917.64

Test Board Kits

MOUSER STOCK NO.	Fujitsu Part No.	Description	Price Each 1	5
817-FCN-268Z008	FCN-268Z008	4x kit with latches	1360.00	1105.00
817-FCN-268Z024	FCN-268Z024	12x PCB kit w/ latches	3520.00	2860.00

microGiGaCN STACKING MEZZANINE CONNECTORS

Features:

- High speed matched impedance (100Ω) differential signal connector.
- Low cross talk
- Hot pluggable
- RoHS Compliant
- Insulator: LCP Resin (UL94V-0)
- Conductor: Copper Alloy
- Contact Plating: Au over Pd-Ni plated

Specifications:

- Operating Temperature Range: -55°C to +105°C
- Current Rating: AC 0.5A (signal) AC 1A (ground)
- Voltage Rating: AC 30V
- Contact Resistance: 80 m ohms max. (signal) 40 m ohms max. (ground)
- Insulation Resistance: 1000M ohms minimum

LEAD-FREE
RoHs Compliant

Socket Connectors

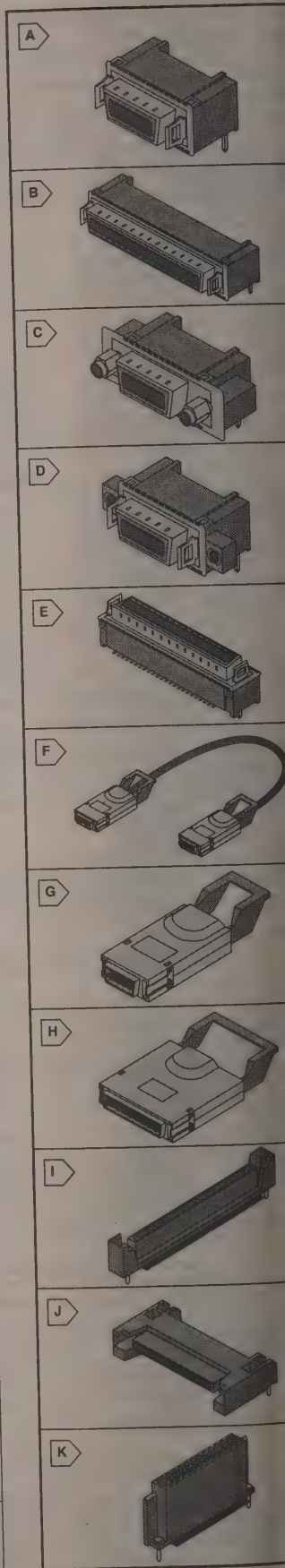
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	No. of Pair Signals	No. of Contacts	Price Each 1	25	50	100	250
Vertical Mount									
817-FCN-268F012-G0D	FCN-268F012-G/0D	I	12	24 Sig/13 Gnd	3.59	3.08	2.93	2.69	2.42
817-FCN-268F024-G0D	FCN-268F024-G/0D	I	24	48 Sig/25 Gnd	8.93	7.66	7.28	6.70	6.03
817-FCN-268F036-G0D	FCN-268F036-G/0D	I	36	72 Sig/37 Gnd	13.46	11.54	10.96	10.09	9.08
Right Angle Mount									
817-FCN-268F012-GBD	FCN-268F012-G/BD	J	12	24 Sig/13 Gnd	8.66	7.42	7.05	6.49	5.84
817-FCN-268F024-GBD	FCN-268F024-G/BD	J	24	48 Sig/25 Gnd	12.27	10.52	9.99	9.21	8.28
817-FCN-268F036-GBD	FCN-268F036-G/BD	J	36	72 Sig/37 Gnd	17.48	14.98	14.23	13.11	11.80

Plug Connectors

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	No. of Pairs	Stack Height	Price Each 1	25	50	100	250
Vertical Mount									
817-FCN-268M012-G0D	FCN-268M012-G/0D	K	12	8mm	6.92	5.94	5.64	5.19	4.67
817-FCN-268M012-G1D	FCN-268M012-G/1D	K	12	10mm	7.53	6.46	6.14	5.65	5.08
817-FCN-268M012-G2D	FCN-268M012-G/2D	K	12	12mm	7.79	6.68	6.35	5.85	5.26
817-FCN-268M012-G3D	FCN-268M012-G/3D	K	12	14mm	8.08	6.92	6.57	6.06	5.45
817-FCN-268M024-G0D	FCN-268M024-G/0D	K	24	8mm	10.87	9.32	8.85	8.15	7.34
817-FCN-268M024-G1D	FCN-268M024-G/1D	K	24	10mm	11.41	9.78	9.29	8.56	7.70
817-FCN-268M024-G2D	FCN-268M024-G/2D	K	24	12mm	11.92	10.22	9.71	8.94	8.05
817-FCN-268M024-G3D	FCN-268M024-G/3D	K	24	14mm	12.47	10.68	10.15	9.35	8.42
817-FCN-268M036-G0D	FCN-268M036-G/0D	K	36	8mm	16.02	13.74	13.05	12.02	10.82
817-FCN-268M036-G1D	FCN-268M036-G/1D	K	36	10mm	16.34	14.00	13.30	12.25	11.03
817-FCN-268M036-G2D	FCN-268M036-G/2D	K	36	12mm	17.13	14.68	13.95	12.85	11.56
817-FCN-268M036-G3D	FCN-268M036-G/3D	K	36	14mm	17.94	15.38	14.61	13.46	12.11



OLEX DVI Connector System & 1.27mm Micro-D Connectors

CROCROSS DVI (DIGITAL VISUAL INTERFACE) CONNECTOR SYSTEM

le Assemblies

ures:

d (Low Force Helix) rugged contacts offer increased cycle
, mechanical reliability and optimal signal integrity.
pports up to 1.65 Gbps bandwidth per differential
r for a total of 4.95 Gbps

- Fully shielded against RFI/EMI
- Grounding detents on mating shell
- Positive retention jackscrew: thread 4-40 UNC-2A
- Shielded I/O

ifications:

or: Black
gth: 2.0 meters or 6.56 ft.

- Current: 3.0A

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	Description	Price Each 1	25	50	100
-88741-8000	88741-8000	A	DVI Digital to DVI Digital Single Link, 24 pos.	23.60	21.22	19.10	18.04
-88741-8200	88741-8200	A	DVI Analog to DVI Analog, 29 positions	23.44	19.53	15.63	14.06
-88741-8300	88741-8300	A	DVI Analog to VGA, 29 positions	19.13	15.95	12.73	11.48
-88741-8600	88741-8600	A	DVI Digital to DFP, 24 positions	25.51	21.25	17.00	15.31

sive Adapters

ures:

n cycle, dual beam, LFH (Low Force Helix) contacts
arization achieved by a "D" shaped housing/shield
tive retention jackscrew: thread 4-40 UNC 2A&B
npact size for space efficiency
shielding from EMI/RFI

- Shielded I/O

Specifications:

- Voltage: 40V
- Current: 3.0A

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	Description	Price Each 1	25	50	100
88741-8700	88741-8700	B	DVI Analog Plug to VGA Receptacle, 29 pos.	7.00	5.80	4.64	4.18
88741-8800	88741-8800	C	DVI Digital Plug to DFP Receptacle, 24 pos.	10.52	8.77	7.02	6.31
88741-8900	88741-8900	C	DVI Digital Plug to P&D Digital Receptacle, 24 pos.	13.55	11.30	9.03	8.13
88741-9100	88741-9100	D	DVI I Analog Receptacle to VGA Plug, 29 pos.	12.12	10.10	8.08	7.28

ADERS

l Digital/Analog Visual Interface Receptacle Headers

ures:

ports digital signals
and play interface
contact design is rugged and reliable
el mount
ositions

- DDWG DVI standard interface
- Supports 4.95 Gbps over a single link and 9.9 Gbps performance over a dual link implementation
- Through hole
- PCB

Specifications:

- Rating: UL94V-0
- Housing: Thermoplastic, glass filled
- Voltage: 40V
- Current: 3.0A

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	Description	Price Each 1	25	50	100
74320-1004	74320-1004	E	Gold flash, Right Angle	3.30	2.75	2.19	1.97
74320-1000	74320-1000	E	30µ" Gold, Right Angle	3.34	2.79	2.23	2.00
74320-3000	74320-3000	E	30µ" Gold, Vertical	3.16	2.63	2.11	1.90
74320-3004	74320-3004	E	Gold Flash, Vertical	3.00	2.50	2.00	1.80

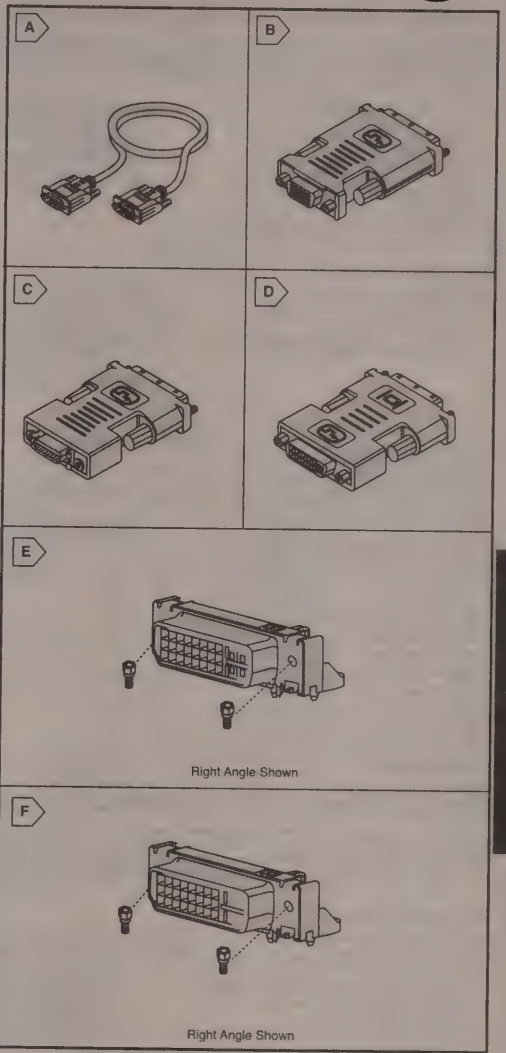
D Digital Visual Interface Receptacle Headers

ures:

ositions

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	Description	Price Each 1	25	50	100
74320-4004	74320-4004	F	Gold flash, Right Angle	3.04	2.53	2.03	1.82
74320-4000	74320-4000	F	30µ" Gold, Right Angle	3.28	2.74	2.19	1.97
74320-5000	74320-5000	F	30µ" Gold, Vertical	3.03	2.53	2.02	1.82
74320-5004	74320-5004	F	Gold Flash, Vertical	2.87	2.40	1.92	1.73



MM COMMERCIAL MICRO-D CONNECTORS

mercial Micro-D Plug, Right Angle

nical solution for commercial applications requiring the density of a microminiature
tor. Rugged commercial design with a metal interface and grounding tabs for
ed mechanical and electrical shield conditions.

ugh hole
sing: Shell - Nickel-plated 1008LC Steel
lator - LCP, UL94V-0
tact: Pin - Gold-plated Beryllium Copper
r: Black

- Current: 3.0A
- Voltage: 350V
- Jackpost: Stainless steel
- Temperature: -55 to +125°C
- PCB Mount

For quantities of 100 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	No. of Pos.	Price Each 1	10	25	50
-83611-9006	83611-9006	A	9	7.75	6.96	6.57	6.19
-83612-9020	83612-9020	A	15	9.00	8.08	7.62	7.18
-83614-9012	83614-9012	A	25	10.00	9.00	8.50	8.00
-83619-9003	83619-9003	B	18	21.85	19.65	18.58	17.50

Stacked; Housing : PPS Polyphenylene Sulfide; mates w/9 pos. Recpt. Kit

nercial Micro D Cable Receptacle Kits

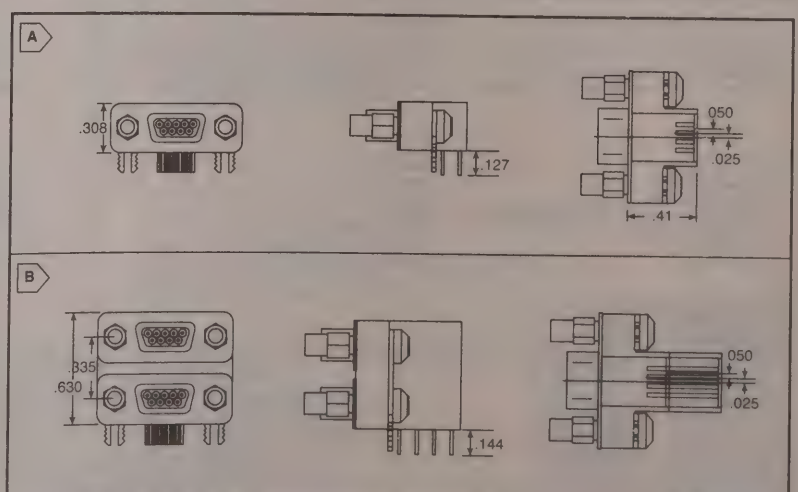
ical solution for commercial applications requiring the density of a microminiature
r. "Crimp and poke" configuration designed for hand or semi-automatic crimping.
ntacts separately.

: Black
ng: Shell - Nickel-plated 1008LC Steel
tor - LCP, UL94V-0
e: 350V

- Current: 3.0A
- AWG: 26, 28
- Boot: Santoprene
- Jackscrew: Stainless Steel

For quantities of 100 and up, call for quote.

)USER CK NO.	Molex Part No.	No. of Pos.	Price Each 1	10	25	50
421-9014	83421-9014	9	5.40	4.86	4.60	4.32
422-9014	83422-9014	15	5.75	5.16	4.87	4.59
424-9014	83424-9014	25	6.70	6.03	5.70	5.36



Contact

- Use with Kits

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Price Each 1	100	500	1000
538-83000-0083	83000-0083	.35	.30	.25	.23

Crimp Tool for Contact

MOUSER STOCK NO.	Molex Part No.	Price Each 1	5
538-63811-1400	63811-1400	225.97	197.73

TRIAD™ DIFFERENTIAL PAIR CONNECTORS

Achieve bandwidths up to 5.0 Gbps and beyond with TDP. The innovative TDP (Triad Differential Pair) family uses the Triad design of differential signal and ground lines to achieve optimal bandwidths for cable-to-board interconnections. The shielded, dual row interface offers high-speed and 100-ohm controlled impedance. The TDP family is comprised of a fully shielded receptacle and plug to provide maximum EMI/RFI protection.

Electrical Specifications:

- Voltage: 40V
- Current: 1.5A per contact
- Contact Resistance: 20 milliohm max.
- Dielectric Withstanding Voltage: 500V
- Insulation Resistance: 100 Megohm min.
- Differential Impedance:
  2.5Gbps: 100 ± 10 ohm @ 150psec risetime
  5.0Gbps: 100 ± 18 ohm @ 75psec risetime

Physical Specifications:

- Housing: Black glass-filled polymer, UL 94V-0
- Contact: Copper Alloy
- Plating: Selective Gold 0.76µm (30µ") min.
- Shield: Deep-drawn Steel

Applications:

- LVDS servers, displays, hubs, routers, RAIDS, switches, storage devices, and network products
- InfiniBand interfaces to support one, two or four channels
- TMDS digital displays supporting one, two, or four channel with side channels to support USB, serial ATA, digital audio, IEEE 1394-1995 or other multi-media applications
- Portable DVI devices
- HDTV and other entertainment displays
- Automotive displays

Features and Benefits:

Board Mount Receptacle (74960):

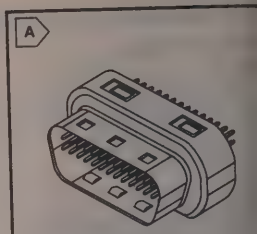
- Inline SMT leads on 0.64mm (.025") pitch provide direct PCB routing
- High cycle LFH shrouded contact system provides two points of contact for optimal signal integrity

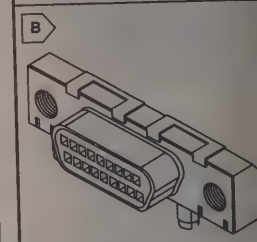
Cable Plug Connector (75000):

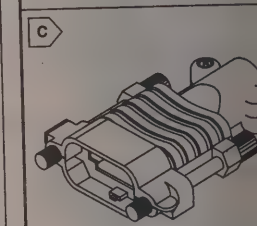
- LFH contact design provides shallow mating angle, reducing insertion forces
- Terminates to 24 to 32 AWG high-performance wire through soldering or resistance welding
- Available with or without terminal carrier strip for flexibility in various termination processes

Cable Plug Kit (75115):

- Kit contains two-piece die cast shell and two threaded jackscrews for use with TDP Cable Plug Connector
- Die-cast shell reduces overall labor costs by eliminating internal shielding and overmolding processes
- User-friendly strain relief eliminates secondary operations
- Ergonomic die-cast shell thumb grip and thumb rest for ease of mating and unmating







For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Circuits	Description	Price Each 1	10	25	50
538-75000-0018	75000-0018	A	18	Plug Cable Connector with Carrier Strip	11.75	10.96	10.34	8.87
538-75000-0028	75000-0028	A	28	Plug Cable Connector with Carrier Strip	14.90	13.90	13.11	11.25
538-75000-0038	75000-0038	A	38	Plug Cable Connector with Carrier Strip	15.66	14.62	13.78	11.83
538-75000-0048	75000-0048	A	48	Plug Cable Connector with Carrier Strip	16.34	15.25	14.37	12.34
538-75000-0072	75000-0072	A	72	Plug Cable Connector with Carrier Strip	19.37	18.08	17.05	14.64
538-74960-0018	74960-0018	B	18	Receptacle Assembly	17.28	16.13	15.21	13.06
538-74960-0028	74960-0028	B	28	Receptacle Assembly	16.22	15.14	14.28	12.26
538-74960-0038	74960-0038	B	38	Receptacle Assembly	17.28	16.13	15.21	13.06
538-74960-0048	74960-0048	B	48	Receptacle Assembly	18.36	17.14	16.16	13.87
538-74960-0072	74960-0072	B	72	Receptacle Assembly	19.85	18.52	17.46	14.99
538-75115-0018	75115-0018	C	18	Plug Cable Kit	12.02	11.21	10.57	9.08
538-75115-0028	75115-0028	C	28	Plug Cable Kit	12.24	11.42	10.77	9.25
538-75115-0038	75115-0038	C	38	Plug Cable Kit	12.74	11.89	11.21	9.62
538-75115-0048	75115-0048	C	48	Plug Cable Kit	13.01	12.14	11.44	9.83
538-75115-0072	75115-0072	C	72	Plug Cable Kit	14.31	13.36	12.59	10.81

SMALL FORM-FACTOR PLUGGABLE (SFP) PRODUCTS

The SFP system follows the function of the standard Gigabit Interface Converter (GBIC) products, with reduced size and increased data-transfer rates at and beyond two Gigabits per second (Gbps). A multi-sourced, industry-standard product line, our SFP products feature a common design interface for use with multiple data transfer protocols, including Fibre Channel, Gigabit Ethernet, InfiniBand and proprietary links. The system consists of a 20-position SMT connector mounted on the host PCB, enclosed by a low-profile metal cage, engineered to guide and secure a variety of industry-standard mating modules. The pluggable modules include hot-swappable duplex LC optical and HSSDC copper transceivers, along with copper patch cables. Other products in the family include the duplex LC optical cable assemblies and a wide selection of HSSDC2 cable assemblies.

Features and Benefits:

HSSDC2 Copper Pluggable Modules (74720)

- Industry standard HSSDC2 interface in pluggable module
- Provides data transmission rates up to 2.5Gbps
- Active and passive versions available
- User-friendly latch for easy installation and replacement

Copper Patch Cables (73929):

- Cable directly terminated to module for economical pluggable solution
- Provides data transmission rates up to 2.5Gbps
- Cable assemblies available in various lengths
- User-friendly latch for easy installation and replacement

HSSDC2 Copper Cable Assemblies (73939):

- Industry standard HSSDC2 plug interface
- Provides data transmission rates up to 2.5Gbps
- Cable assemblies available in various lengths
- User-friendly latch for easy installation and replacement

Cages (73927):

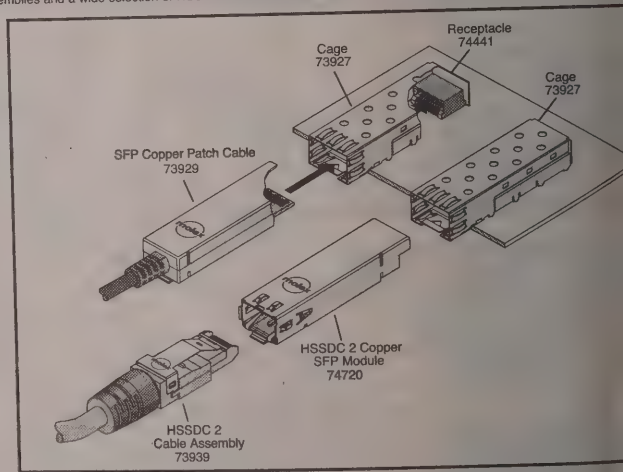
- All metal construction for EMI protection
- Two-point spring contacts for optimal EMI grounding
- Chamfered edges on cover facilitate assembly
- Design allows cages to be mounted on opposite sides of PCB for "belly-to-belly" applications

SMT Receptacle (74441):

- Alignment posts provide stability for placement on the PCB
- Standoffs allow easy PCB cleaning after soldering
- SMT design provides option for placement on both sides of PCB

Applications:

- Network Switches
- Routers
- Servers
- Storage Devices
- Network Interface Cards (NICs)
- Host Bus Adapter Cards(HBAs)

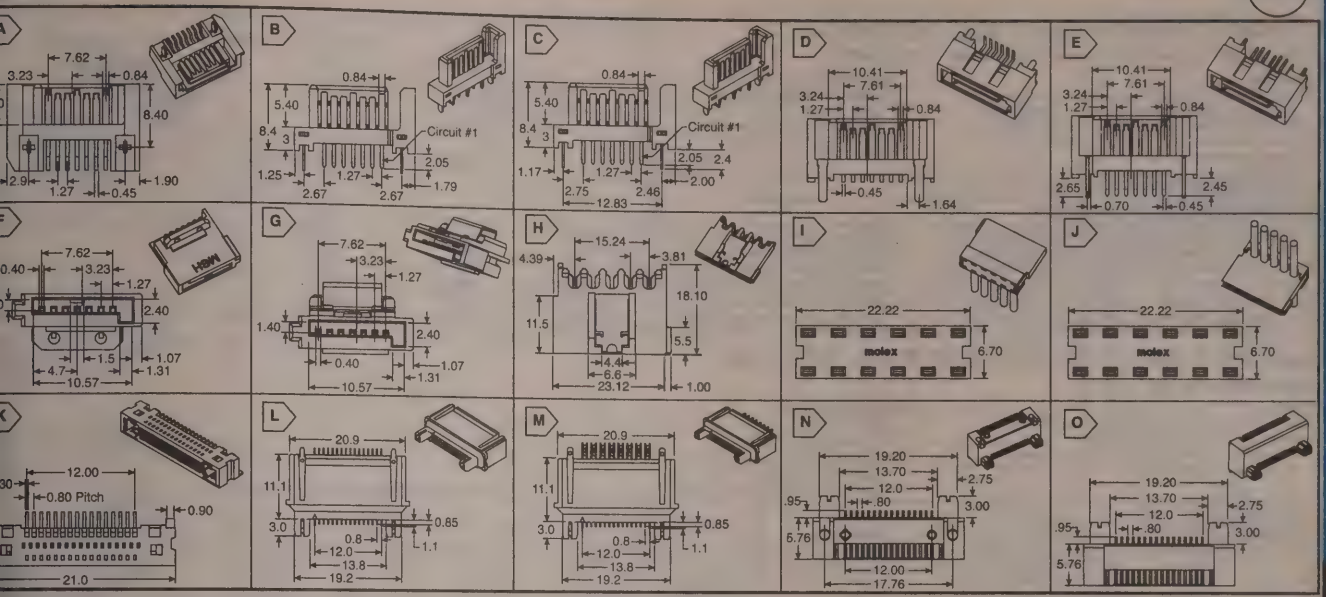


For quantities of 100 and up, call fo

MOUSER STOCK NO.	Molex Part No.	Description	Price Each 1	10	25
538-73927-0401	73927-0401	SFP 1x4 Ganged Cage	14.09	13.15	12.39
538-73927-0402	73927-0402	SFP 1x4 Ganged Cage Assembly with Solder Posts	14.09	13.15	12.39
538-73929-0001	73929-0001	SFP Copper Patch Cable - Plug-to-Plug, 100ø, 26 AWG, Passive, 1.0m Length	76.16	71.09	67.02
538-73929-0002	73929-0002	SFP Copper Patch Cable - Plug-to-Plug, 100ø, 26 AWG, Passive 3.0m, Length	98.73	92.15	86.88
538-73929-0003	73929-0003	SFP Copper Patch Cable - Plug-to-Plug, 100ø, 26 AWG, Passive, 5.0m Length	121.30	113.21	106.74
538-73939-1001	73939-1001	HSSDC2 Copper Cable Assembly - 0.5m Length	30.76	28.71	27.07
538-73939-1002	73939-1002	HSSDC2 Copper Cable Assembly - 1.0m Length	35.55	33.18	31.28
538-73939-1004	73939-1004	HSSDC2 Copper Cable Assembly - 3.0m Length	64.33	60.04	56.61
538-74720-0202	74720-0202	HSSDC2 Copper Pluggable Modules - Active Transceiver, 150ø, w/ Serial ID	140.11	130.77	123.30
538-74720-0506	74720-0506	SFP Loopback Adapter - w/ Serial ID, 5.0dB Attenuation, no caps	56.97	53.17	50.13
538-74720-0505	74720-0505	SFP Loopback Adapter - w/ Serial ID, 0.0dB Attenuation, no caps	56.97	53.17	50.13
538-74720-0503	74720-0503	SFP Loopback Adapter - w/ Serial ID, 5.0dB Attenuation	56.97	53.17	50.13
538-74720-0502	74720-0502	SFP Loopback Adapter - w/ Serial ID, 0.0dB Attenuation	49.91	46.58	43.92
538-74720-0501	74720-0501	SFP Loopback Adapter - w/ Serial ID, 3.5dB Attenuation	56.97	53.17	50.13
538-74720-0510	74720-0510	SFP EMI Plug	13.03	12.16	11.46
538-74441-0001	74441-0001	SMT Receptacle - Right Angle, 20 Position	4.56	4.11	3.88

MOLEX Serial ATA and HandyLink™ Connectors

MENSIONS In.



ERIAL ATA CONNECTORS

ng with the digital revolution, the ability to create, store and distribute vast amounts of music data and games is continually driving demand for higher speed, higher capacity storage drives with increasingly smaller form factors. This has aned up new storage applications for Serial ATA as hard disk drives are increasingly being designed into a growing number of HDD-DVD recorders, home servers, multimedia hubs, LCD TVs, digital jukeboxes, HDD-enabled game soles, audio players and automobile audio visual products.

king latches for signal cables have recently been approved by the Serial ATA Working Group. Positive locking latches ensure cables will stay connected. Latching cable receptacles come in both straight and right angle versions. This ures an easy transition when converting existing designs from Parallel ATA to Serial ATA.

atures:
irst-mate/last-break contacts support hot plugging • Lead-free product

Specifications:
• Current: 1.5A max. • Voltage: 15V max. • Withstanding Voltage: 500V AC

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Pos.	Style	Contact Plating	Description	Price Each 1	10	25
ates with 67489 Series									
38-47080-4005	47080-4005	A	7	Right-Angle	15µ" Gold	1.27mm (.050") Pitch SMT Signal Plug, Peg and Locking Latch w/ solder tab	1.10	.97	.85
38-67490-1225	67490-1225	A	7	Right-Angle	15µ" Gold	1.27mm (.050") Pitch SMT Signal Plug, Peg and Locking Latch w/ beveled metal pin	1.10	.97	.85
38-67491-0022	67491-0022	B	7	Vertical	15µ" Gold	1.27mm (.050") Pitch High Speed Header, 2.05mm PC Tail Length, thermoplastic housing	1.82	1.60	1.40
38-67491-1032	67491-1032	C	7	Vertical	15µ" Gold	1.27mm (.050") Pitch High Speed Header, 2.05mm PC Tail Length, PBT Polyester, glass-filled housing	1.05	.92	.81
38-67800-5005	67800-5005	D	7	Vertical	15µ" Gold	1.27mm (.050") Pitch SMT High Speed Header, PCB Locator Pegs	1.10	.97	.85
38-67800-8005	67800-8005	E	7	Vertical	15µ" Gold	1.27mm (.050") Pitch High Speed Header, 2.45mm PC Tail Length	1.43	1.26	1.11
ates with 47080, 67490, 67491, 67800 Series									
38-67489-1005	67489-1005	F	7	Right-Angle	15µ" Gold	1.27mm (.050") Pitch Signal Connector w/out Latch	.99	.87	.77
38-67489-8005	67489-8005	F	7	Vertical	15µ" Gold	1.27mm (.050") Pitch Signal Connector w/out Latch	.99	.87	.77
38-67489-0005	67489-0005	G	7	Right-Angle	15µ" Gold	1.27mm (.050") Pitch Signal Connector w/ Latch	1.32	1.16	1.02
38-67489-9005	67489-9005	G	7	Vertical	15µ" Gold	1.27mm (.050") Pitch Signal Connector w/ Latch	1.32	1.16	1.02
se with 67926-0040 and 67926-0041; 18 AWG Wire Size									
38-67926-0001	67926-0001	H	5	Right-Angle	Gold Flash	3.81mm (.150") Pitch IDT Power Receptacle w/ Latch, w/out Bump	1.40	1.24	1.08
38-67926-0011	67926-0011	H	5	Right-Angle	Gold Flash	3.81mm (.150") Pitch IDT Power Receptacle w/out Latch, w/ Bump	1.21	1.07	.94
se with 67926-0001 and 67926-0011									
38-67926-0040	67926-0040	I	5	---	---	Cover for Serial ATA IDT Power Receptacle, Feed-To Type	.24	.21	.19
38-67926-0041	67926-0041	J	5	---	---	Cover for Serial ATA IDT Power Receptacle, Feed-Through Type	.24	.21	.19

ANDYLINK™ CONNECTORS

olex's new 0.80mm (.031") pitch HandyLink™ product family of connectors, cable assemblies and accessories offers a perfect solution to any hand-held device, design or application. e HandyLink family includes a right-angle SMT receptacle, a wire and PCB version of the plug and a perpendicular and parallel mounted cradle connectors for docking applications.

eatures:

ceptacle (44828 Series)
- High-temperature thermoplastic housing withstands Lead-free processing
- SMT leads allow population to both sides of PCB
- Low profile height and compact width minimizes size of customer's product
- Insert-molded "sealed" design support various ingress protection requirements
- Overmolded voiding capability provides design flexibility
- 20,000 mating cycles provide the perfect solution for the multiple mating cycles required in hand-held devices

rge (45593 and 45339 Series)
- PCB version optimal when used as a mask for overmolding of boot and strain relief
- Wire-version plug incorporates a shelf feature on the solder tails which assists operator in placement and hand soldering of wires
- Integrated latch design inside alignment posts provides protection to latch and prevents wire entanglement during shipment or processing
- First-mate, last break (pins #1 and #16) prevents damage to electrical circuitry when "hot plug" mating
- 2 AWG maximum provides mechanical and electrical cable flexibility
- 0,000 mating cycles provide the perfect solution for the multiple mating cycles required in hand-held devices

Cradle (45560 Series)
- SMT leads and high-temperature thermoplastic housing withstands Lead-free processing
- Latches are integrated into mating alignment posts which provide protection to latch during handling and processing
- Screw mount hold down to PCB provides additional mechanical stability to PCB
- 20,000 mating cycles provide the perfect solution for the multiple mating cycles required in hand-held devices

Specifications:
- Voltage: 30 Volts AC/DC max.
- Current: 1.5A continuous (up to 3.0A dependent on circuit configuration)
- Contact Resistance: 50 milliohms
- Dielectric Withstanding Voltage: <5mA
- Insulation Resistance: 100 MΩ min.
- USB 2.0 Compatible

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Positions	Description	Price Each 1	10	25	50
538-44828-1162	44828-1162	K	16	SMT Right-Angle Receptacle	2.61	2.42	2.23	1.60
538-45593-1600	45593-1600	L	16	Plug (PCB Version)	3.68	3.42	3.15	2.26
538-45339-1600	45339-1600	M	16	Plug (Wire Termination Version)	3.68	3.42	3.15	2.26
538-45560-0161	45560-0161	N	16	SMT Cradle Connector (Parallel to PCB)	3.68	3.42	3.15	2.26
538-45560-0160	45560-0160	O	16	SMT Cradle Connector (Perpendicular to PCB)	3.68	3.42	3.15	2.26

3M™ SDR and SATA Cable Assemblies and Connectors

SHRUNK D RIBBON (SDR) CABLE ASSEMBLIES

.80mm High Speed Digital Data Transmission, 26 position

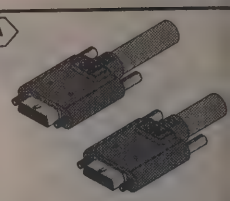
Features:
- Supports new AIA Industrial Camera Link® Standard for new Mini C/L camera to new frame grabber applications
- 11 shielded, twisted twinax pairs with four drain wires
- Double overall shield with inner foil and outer braid
- Rugged ribbon contact type

Specifications:
- Connector Contact Plating: 30µ" Min Gold
- Color: Beige
- Material: Polyvinyl Chloride (PVC)
- Flammability: AWM VW-1
- Voltage Rating: 30 V
- Current Rating: 0.5 A
- Temperature Rating: 0°C to +70°C

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Length	Price Each 1	Price Each 5
517-1MF26-L57600C2	1MF26-L576-00C-200	A	Right Angle SDR to Vertical MDR	2 Meters	215.99	210.02
517-1MF26-L58600C5	1MF26-L586-00C-500	A	Right Angle MDR to Vertical SDR	5 Meters	280.51	272.76
517-1MG26-LFW000C2	1MG26-LFW0-00C-200	A	Vertical MDR to Vertical SDR	2 Meters	222.29	216.14
517-1SF26-L13600C2	1SF26-L136-00C-200	A	Right Angle SDR to Vertical SDR	2 Meters	334.38	325.14
517-1SF26-L12000C5	1SF26-L120-00C-500	A	Vertical SDR to Vertical SDR	5 Meters	364.89	354.81
517-1MF26-L56000C5	1MF26-L560-00C-500	A	Vertical MDR to Vertical SDR	5 Meters	247.43	240.59

A



Vertical SDR to Vertical SDR Shown

SHRUNK D RIBBON (SDR) CONNECTORS - SHIELDED

.80mm Receptacles

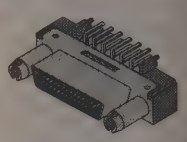
Features:
- Wiper on wiper contact for reliable repetitive mating.
- Ground lock for reliable PCB retention
- Full metal face for better EMI shielding effectiveness
- On-board jacksockets maintains a secure connection

Specifications:
- 30µ" Gold Plating
- Color: Black
- Contact Material: Phosphor Bronze
- Current Rating: 0.5 A
- Temperature Rating: -40°C to +70°C

For quantities of 200 and up, call for quote.

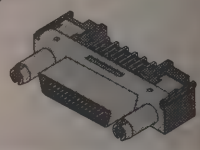
MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Style	Type	Price Each 1	Price Each 25	Price Each 50	Price Each 100
517-12214-115000FR	12214-1150-00FR	B	14	Vertical	Thru-Hole	7.52	6.87	6.51	6.15
517-12226-115000FR	12226-1150-00FR	B	26	Vertical	Thru-Hole	8.51	7.78	7.37	6.96
517-12214-515000FR	12214-5150-00FR	C	14	Right Angle	Thru-Hole	7.92	7.24	6.85	6.47
517-12226-515000FR	12226-5150-00FR	C	26	Right Angle	Thru-Hole	8.91	8.14	7.71	7.28
517-12250-515000FR	12250-5150-00FR	C	50	Right Angle	Thru-Hole	11.88	10.85	10.28	9.70
517-12214-825000FR	12214-8250-00FR	D	14	Right Angle	Surface Mount	9.50	8.68	8.22	7.76
517-12226-825000FR	12226-8250-00FR	D	26	Right Angle	Surface Mount	10.49	9.59	9.08	8.57

B



26 Pin Connector Shown

C



26 Pin Connector Shown

SERIAL ATA (SATA) CONNECTORS - 1.27MM

SATA 7 Pin Boardmount Plug Connectors

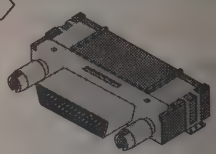
Features:
- 7 position supports motherboard signal requirements
- EMLB contacts for hot swap
- Blind mate polarization for easy cable attach
- PCB retention clip aids manufacturing

Specifications:
- Color: Black
- Contact Material: Copper Alloy
- Current Rating: 1.5 A
- Temperature Rating: -40°C to +105°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Style	Type	Plating	Price Each 1	Price Each 25	Price Each 50	Price Each 100
517-5607-2744-TN	5607-2744-TN	E	Vertical	Thru-Hole	Gold Flash	.86	.78	.74	.70
517-5607-1210-TN	5607-1210-TN	E	Right Angle	Surface Mount	Gold Flash	.48	.44	.42	.39
517-5607-1210-TB	5607-1210-TB	E	Right Angle	Surface Mount	30µ" Gold	.71	.65	.61	.58
517-5607-1210-LS	5607-1210-LS	E	Right Angle	Surface Mount	15µ" Gold	.58	.53	.50	.47

D



26 Pin Connector Shown

SATA 22 Pin Combo Connectors

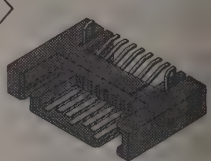
Features:
- 22 position signal and power combination
- EMLB contacts for hot swap
- Blind mate polarization for easy cable attach
- PCB alignment guide - plug version

Specifications:
- Color: Black
- Contact Material: Copper Alloy
- Current Rating: 1.5 A
- Temperature Rating: -55°C to +85°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Style	Type	Plating	Price Each 1	Price Each 25	Price Each 50	Price Each 100
Plug									
517-5622-322P-TB	5622-322P-TB	F	Right Angle	Surface Mount	30µ" Gold	4.28	3.91	3.71	3.50
Receptacles									
517-5622-2202-TB	5622-2202-TB	F	Vertical	Surface Mount	30µ" Gold	4.28	3.91	3.71	3.50
517-5622-2603-ML	5622-2603-ML	F	Vertical	Thru-Hole	30µ" Gold	3.42	3.13	2.96	2.80

E



Right Angle, SMT Shown

SATA POWER CABLE ASSEMBLY

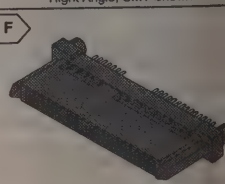
Features:
- 15 position power cable (250 m V)
- Rugged over-molded construction
- Supports 3.3V, 5V or 12V applications
- "Y" type supports multiple devices

Specifications:
- Current Rating: 4.5 A
- Voltage Rating: 100 V
- Temperature Rating: 0°C to +80°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Price Each 1	Price Each 25	Price Each 50	Price Each 100
517-5601-22-127-200	5601-22-127-200	G	15P Y Configuration Molded Power Cable - 8 Inch	5.41	4.95	4.69	4.42

F



Vertical, Thru-Hole Shown

SATA SIGNAL CABLE ASSEMBLIES

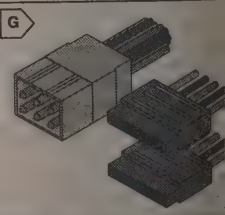
Features:
- 7 position serial signal assembly
- Multiple variations in length and interface attachments
- Point to point signaling
- Polarized interface insures proper alignment
- 26 AWG stranded differential pairs

Specifications:
- Color: Black
- Contact Material: Copper Alloy
- Current Rating: 1.5 A
- Voltage Rating: 36 VDC
- Temperature Rating: 0°C to +70°C

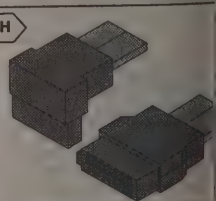
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Length	Price Each 1	Price Each 25	Price Each 50	Price Each 100
517-5602-1102	5602-1102	H	Right Angle to Right Angle	1 Meter	2.95	2.70	2.55	2.41
517-5602-1101	5602-1101	H	Right Angle to Right Angle	0.5 Meter	2.24	2.05	1.94	1.83
517-5602-2102	5602-2102	H	Vertical to Right Angle	1 Meter	2.95	2.70	2.55	2.41
517-5602-2101	5602-2101	H	Vertical to Right Angle	0.5 Meter	2.24	2.05	1.94	1.83
517-5602-2202	5602-2202	H	Vertical to Vertical	1 Meter	2.95	2.70	2.55	2.41
517-5602-2201	5602-2201	H	Vertical to Vertical	0.5 Meter	2.24	2.05	1.94	1.83

G



H



Vertical to Right Angle Shown

AMERA LINK™ STANDARD INTERFACE CABLE ASSEMBLIES

50" High Speed Digital Transmission System

30 Volt, 1 Amp
Conductor Size: 28 AWG stranded
Connector Contact Plating: 30μ" gold
26 position connector

- Positive retention overmold thumbscrew shell
- Supports new industrial CameraLink™ Standard for camera to frame grabber communications
- Eleven shielded pairs and four drain wires
- Entire cable bundle is shielded with foil and braid
- Rugged MDR ribbon type contact

ameraLink™ is a trademark of the Automated Imaging Association.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	Cable Length	Price Each 1	5	10	25
17-14T26-100-OLC	14T26-SZLB-100-0LC	A	Non-RoHS	1 meter	60.44	58.77	57.09	
17-14T26-200-OLC	14T26-SZLB-200-0LC	A	Non-RoHS	2 meters	72.04	70.04	68.03	Call for Quote
17-14T26-300-OLC	14T26-SZLB-300-0LC	A	Non-RoHS	3 meters	83.66	81.34	79.02	
17-14T26-500-OLC	14T26-SZLB-500-0LC	A	Non-RoHS	5 meters	106.88	103.92	100.95	
17-14T26-A00-OLC	14T26-SZLB-A00-0LC	A	Non-RoHS	10 meters	164.97	160.39	155.81	

INI D RIBBON CONNECTORS Wiper-on-wiper contact for reliable repetitive plugging

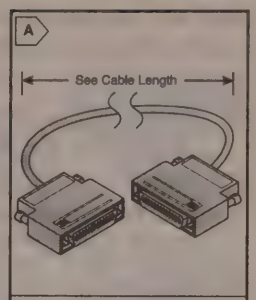
50" Boardmount Receptacles - Shielded

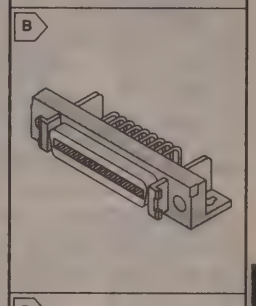
nsulation material: Glass reinforced polyester, UL 94V-0
Contact material: Copper alloy

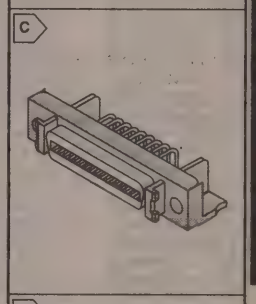
- Plating: 30μ" Gold
- Current rating: 1A

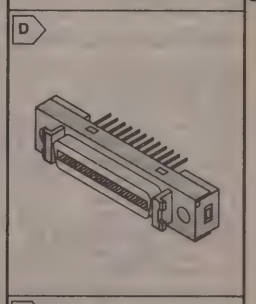
For quantities of 200 and up, call for quote.

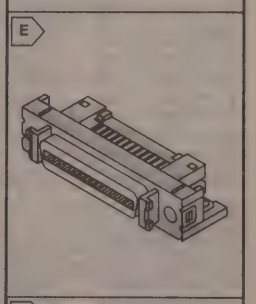
MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Contacts	Tail Length	Description	Price Each 1	25	50	100
ight Angle Thru-Hole										
17-N10214-52B2VC	N10214-52B2VC	B	Non-RoHS	14	0.15	M2.5 thread w/ground lock	6.76	6.18	5.85	5.53
17-N10214-52B2PC	N10214-52B2PC	B	RoHS	14	0.15	M2.5 thread w/ground lock	6.76	6.18	5.85	5.53
17-N10220-52B2PC	N10220-52B2PC	B	RoHS	20	0.15	M2.5 thread w/ground lock	6.97	6.37	6.03	5.70
17-N10226-52B2VC	N10226-52B2VC	B	Non-RoHS	26	0.15	M2.5 thread w/ground lock	7.18	6.56	6.21	5.87
17-N10226-52B2PC	N10226-52B2PC	B	RoHS	26	0.15	M2.5 thread w/ground lock	7.18	6.56	6.21	5.87
17-N10236-52B2VC	N10236-52B2VC	B	Non-RoHS	36	0.15	M2.5 thread w/ground lock	7.63	7.05	6.46	5.80
17-N10236-52B2PC	N10236-52B2PC	B	RoHS	36	0.15	M2.5 thread w/ground lock	7.88	7.20	6.82	6.44
17-N10240-52B2PC	N10240-52B2PC	B	RoHS	40	0.15	M2.5 thread w/ground lock	7.88	7.20	6.82	6.44
17-N10250-52E2VC	N10250-52E2VC	B	Non-RoHS	50	0.15	4-40 thread w/ground lock	8.72	7.96	7.54	7.12
17-N10250-52E2PC	N10250-52E2PC	B	RoHS	50	0.15	4-40 thread w/ground lock	8.74	7.98	7.56	7.14
17-N10268-52E2VC	N10268-52E2VC	B	Non-RoHS	68	0.15	4-40 thread w/ground lock	10.63	9.81	8.99	8.07
17-N10268-52E2PC	N10268-52E2PC	B	RoHS	68	0.15	4-40 thread w/ground lock	10.63	9.71	9.20	8.69
17-N10280-52E2PC	N10280-52E2PC	B	RoHS	80	0.15	4-40 thread w/ground lock	12.00	10.96	10.39	9.81
17-N102A0-52E2VC	N102A0-52E2VC	B	Non-RoHS	100	0.15	4-40 thread w/ground lock	13.50	12.33	11.68	11.03
17-N102A0-52E2PC	N102A0-52E2PC	B	RoHS	100	0.15	4-40 thread w/ground lock	13.50	12.33	11.68	11.03
17-N10214-5212PC	N10214-5212PC	B	RoHS	14	0.15	M2.5 panel w/screw lock	6.55	5.99	5.67	5.36
17-N10220-5212PC	N10220-5212PC	B	RoHS	20	0.15	M2.5 panel w/screw lock	6.76	6.18	5.85	5.53
17-N10226-5212PC	N10226-5212PC	B	RoHS	26	0.15	M2.5 panel w/screw lock	6.97	6.37	6.03	5.70
17-N10236-5212PC	N10236-5212PC	B	RoHS	36	0.15	M2.5 panel w/screw lock	7.43	6.78	6.43	6.07
17-N10240-5212PC	N10240-5212PC	B	RoHS	40	0.15	M2.5 panel w/screw lock	7.68	7.01	6.64	6.27
17-N10250-5242PC	N10250-5242PC	B	RoHS	50	0.15	4-40 panel w/screw lock	8.74	7.98	7.56	7.14
17-N10268-5242PC	N10268-5242PC	B	RoHS	68	0.15	4-40 panel w/screw lock	10.03	9.16	8.68	8.19
17-N10280-5242PC	N10280-5242PC	B	RoHS	80	0.15	4-40 panel w/screw lock	11.79	10.77	10.21	9.64
17-N102A0-5242PC	N102A0-5242PC	B	RoHS	100	0.15	4-40 panel w/screw lock	13.29	12.14	11.50	10.86
17-10214-55G3PC	10214-55G3PC	C	RoHS	14	0.11	M2.5 thread w/ground lock	4.20	3.84	3.64	3.43
17-10220-55G3VC	10220-55G3VC	C	Non-RoHS	20	0.11	M2.5 thread w/ground lock	3.72	3.40	3.22	3.04
17-10220-55G3PC	10220-55G3PC	C	RoHS	20	0.11	M2.5 thread w/ground lock	3.72	3.40	3.22	3.04
17-10226-55G3VC	10226-55G3VC	C	Non-RoHS	26	0.11	M2.5 thread w/ground lock	4.04	3.69	3.49	3.30
17-10226-55G3PC	10226-55G3PC	C	RoHS	26	0.11	M2.5 thread w/ground lock	4.43	4.05	3.83	3.62
17-10236-55G3VC	10236-55G3VC	C	Non-RoHS	36	0.11	M2.5 thread w/ground lock	4.43	4.05	3.83	3.62
17-10236-55G3PC	10236-55G3PC	C	RoHS	36	0.11	M2.5 thread w/ground lock	4.43	4.05	3.83	3.62
17-10240-55G3PC	10240-55G3PC	C	RoHS	40	0.11	4-40 thread w/ground lock	5.49	5.02	4.75	4.49
17-10220-55H3PC	10220-55H3PC	C	RoHS	20	0.11	4-40 thread w/ground lock	4.37	3.99	3.78	3.57
17-10226-55H3PC	10226-55H3PC	C	RoHS	26	0.11	4-40 thread w/ground lock	4.37	3.99	3.78	3.57
17-10236-55H3PC	10236-55H3PC	C	RoHS	36	0.11	4-40 thread w/ground lock	4.43	4.05	3.83	3.62
17-10250-55H3VC	10250-55H3VC	C	Non-RoHS	50	0.11	4-40 thread w/ground lock	5.20	4.75	4.50	4.25
17-10250-55H3PC	10250-55H3PC	C	RoHS	50	0.11	4-40 thread w/ground lock	5.20	4.75	4.50	4.25
17-10268-55H3VC	10268-55H3VC	C	Non-RoHS	68	0.11	4-40 thread w/ground lock	6.76	6.18	5.85	5.53
17-10268-55H3PC	10268-55H3PC	C	RoHS	68	0.11	4-40 thread w/ground lock	6.76	6.18	5.85	5.53
traight Thru-Hole										
17-10214-6212VC	10214-6212VC	D	Non-RoHS	14	0.134	M2.5 thread w/ screw lock	4.37	3.99	3.78	3.57
17-10214-6212PC	10214-6212PC	D	RoHS	14	0.134	M2.5 thread w/ screw lock	4.37	3.99	3.78	3.57
17-10220-6212VC	10220-6212VC	D	Non-RoHS	20	0.134	M2.5 thread w/ screw lock	4.58	4.18	3.96	3.74
17-10220-6212PC	10220-6212PC	D	RoHS	20	0.134	M2.5 thread w/ screw lock	4.58	4.18	3.96	3.74
17-10226-6212VC	10226-6212VC	D	Non-RoHS	26	0.134	M2.5 thread w/screw lock	4.74	4.33	4.10	3.88
17-10226-6212PC	10226-6212PC	D	RoHS	26	0.134	M2.5 thread w/screw lock	4.74	4.33	4.10	3.88
17-10236-6212VC	10236-6212VC	D	Non-RoHS	36	0.134	M2.5 thread w/screw lock	4.89	4.47	4.23	4.00
17-10236-6212PC	10236-6212PC	D	RoHS	36	0.134	M2.5 thread w/screw lock	4.89	4.47	4.23	4.00
17-10240-6212PC	10240-6212PC	D	RoHS	40	0.134	M2.5 thread w/screw lock	5.10	4.66	4.41	4.17
17-10250-6212VC	10250-6212VC	D	Non-RoHS	50	0.134	M2.5 thread w/screw lock	5.41	4.94	4.68	4.42
7-10250-6212PC	10250-6212PC	D	RoHS	50	0.134	M2.5 thread w/screw lock	5.41	4.94	4.68	4.42
7-10268-6212VC	10268-6212VC	D	Non-RoHS	68	0.134	M2.5 thread w/screw lock	6.32	5.78	5.47	5.17
7-10268-6212PC	10268-6212PC	D	RoHS	68	0.134	M2.5 thread w/screw lock	6.32	5.78	5.47	5.17
7-10280-6212PC	10280-6212PC	D	RoHS	80	0.134	M2.5 thread w/screw lock	8.53	7.79	7.38	6.97
7-102A0-6212VC	102A0-6212VC	D	Non-RoHS	100	0.134	M2.5 thread w/screw lock	9.11	8.32	7.88	7.45
7-102A0-6212PC	102A0-6212PC	D	RoHS	100	0.134	M2.5 thread w/screw lock	9.11	8.32	7.88	7.45
ght Angle Surface Mount - 20μ" Gold										
7-10226-1A10VE	10226-1A10VE	E	Non-RoHS	26	0.15	M2.5 thread w/screw lock	5.20	4.75	4.50	4.25
7-10214-1210PE	10214-1210PE	E	RoHS	14	0.165	M2.5 thread w/screw lock	7.28	6.65	6.30	5.95
7-10220-1210PE	10220-1210PE	E	RoHS	20	0.165	M2.5 thread w/screw lock	7.03	6.42	6.08	5.75
7-10226-1210VE	10226-1210VE	E	Non-RoHS	26	0.165	M2.5 thread w/screw lock	7.74	7.07	6.70	6.32
7-10226-1210PE	10226-1210PE	E	RoHS	26	0.165	M2.5 thread w/screw lock	7.74	7.07	6.70	6.32
7-10240-1210VE	10240-1210VE	E	Non-RoHS	40	0.165	M2.5 thread w/screw lock	8.94	8.17	7.74	7.31
7-10240-1210PE	10240-1210PE	E	RoHS	40	0.165	M2.5 thread w/screw lock	8.94	8.17	7.74	7.31
7-10250-1210VE	10250-1210VE	E	Non-RoHS	50	0.165	M2.5 thread w/screw lock	9.36	8.55	8.10	7.65
7-10250-1210PE	10250-1210PE	E	RoHS	50	0.165	M2.5 thread w/screw lock	9.36	8.55	8.10	7.65
tical Surface Mount - 20μ" Gold										
7-10226-2210VE	10226-2210VE	F	Non-RoHS	26	0.091	M2.5 thread w/PCB lock	8.61	7.87	7.45	7.04

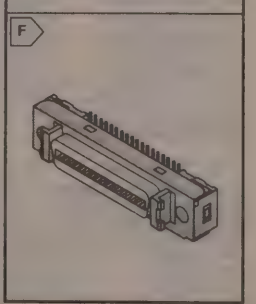












.050" IDC WIREMOUNT PANELMOUNT RECEPTACLES - SHIELDED

- Insulation material: Glass reinforced polyester, UL 94V-0
- Contact material: Beryllium Copper (C172)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Contacts	Description	Price Each 1	25	50	100
517-10220-0210EC	10220-0210EC	A	RoHS	20	IDC Wiremount	8.88	8.11	7.69	7.26
517-10226-0210EC	10226-0210EC	A	RoHS	26	IDC Wiremount	9.61	8.78	8.32	7.85
517-10250-0210EC	10250-0210EC	A	RoHS	50	IDC Wiremount	12.52	11.44	10.84	10.23

.050" BOARDMOUNT COMPLIANT PIN VERTICAL RECEPTACLES - SHIELDED

- Insulation material: Glass reinforced polyester, UL 94V-0
- Contact material: Copper alloy
- Plating: 30µ" Gold
- Current rating: 0.5A

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Contacts	Description	Price Each 1	25	50	100
517-10214-R21TS	10214-R21TS	B	RoHS	14	M2.5 lockstand thread	8.69	7.94	7.52	7.11
517-10226-R21TS	10226-R21TS	B	RoHS	26	M2.5 lockstand thread	8.74	7.98	7.56	7.14
517-10236-R21TS	10236-R21TS	B	RoHS	36	M2.5 lockstand thread	9.19	8.40	7.96	7.51
517-10240-R21TS	10240-R21TS	B	RoHS	40	M2.5 lockstand thread	9.36	8.55	8.10	7.65
517-10250-R21TS	10250-R21TS	B	RoHS	50	M2.5 lockstand thread	9.88	9.03	8.55	8.08

.050" PLUG CONNECTORS - SHIELDED

- Insulation material: Glass reinforced polyester, UL 94V-0
- Current rating: 1A

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Contacts	Style	Contact Material	Price Each 1	25	50	100
Accepts 24 to 30 AWG discrete wire - 20µ" Gold										
517-10114-3000VE	10114-3000VE	C	Non-RoHS	14	Solder Cup	Copper Alloy	6.16	5.62	5.33	5.03
517-10120-3000VE	10120-3000VE	C	Non-RoHS	20	Solder Cup	Copper Alloy	6.70	6.12	5.80	5.47
517-10126-3000VE	10126-3000VE	C	Non-RoHS	26	Solder Cup	Copper Alloy	7.49	6.84	6.48	6.12
517-10136-3000VE	10136-3000VE	C	Non-RoHS	36	Solder Cup	Copper Alloy	7.95	7.26	6.88	6.49
517-10140-3000VE	10140-3000VE	C	Non-RoHS	40	Solder Cup	Copper Alloy	8.32	7.60	7.20	6.80
517-10150-3000VE	10150-3000VE	C	Non-RoHS	50	Solder Cup	Copper Alloy	8.99	8.21	7.78	7.34
Accepts 28AWG Stranded or 30AWG Solid Cable - 30µ" Gold										
517-10114-6000EC	10114-6000EC	D	RoHS	14	IDC Wiremount	Beryllium Copper	4.87	4.45	4.21	3.98
517-10120-6000EC	10120-6000EC	D	RoHS	20	IDC Wiremount	Beryllium Copper	5.03	4.60	4.36	4.11
517-10126-6000EC	10126-6000EC	D	RoHS	26	IDC Wiremount	Beryllium Copper	5.20	4.75	4.50	4.25
517-10136-6000EC	10136-6000EC	D	RoHS	36	IDC Wiremount	Beryllium Copper	6.24	5.70	5.40	5.10
517-10140-6000EC	10140-6000EC	D	RoHS	40	IDC Wiremount	Beryllium Copper	6.45	5.89	5.58	5.27
517-10150-6000EC	10150-6000EC	D	RoHS	50	IDC Wiremount	Beryllium Copper	6.88	6.29	5.96	5.63
517-10168-6000EC	10168-6000EC	D	RoHS	68	IDC Wiremount	Beryllium Copper	7.07	6.46	6.12	5.78
517-10180-6000EC	10180-6000EC	D	RoHS	80	IDC Wiremount	Beryllium Copper	8.59	7.85	7.43	7.02
517-101A0-6000EC	101A0-6000EC	D	RoHS	100	IDC Wiremount	Beryllium Copper	10.21	9.33	8.84	8.35

.050" PLASTIC JUNCTION SHELLS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Contacts	Price Each 1	25	50	100
Black Two-Piece for 101XX-3000VE Plugs								
517-10314-52F0-008	10314-52F0-008	E	Non-RoHS	14	6.99	6.38	6.05	5.71
517-10320-52F0-008	10320-52F0-008	E	Non-RoHS	20	7.20	6.57	6.23	5.88
517-10326-52F0-008	10326-52F0-008	E	Non-RoHS	26	7.40	6.76	6.41	6.05
517-10336-52F0-008	10336-52F0-008	E	Non-RoHS	36	7.49	6.84	6.48	6.12
517-10350-52F0-008	10350-52F0-008	E	Non-RoHS	50	7.70	7.03	6.66	6.29
Black Non-Shielded Shell Kit								
517-10320-52A0-008	10320-52A0-008	E	Non-RoHS	20	6.66	6.08	5.76	5.44
517-10336-52A0-008	10336-52A0-008	E	Non-RoHS	36	6.86	6.27	5.94	5.61
517-10350-52A0-008	10350-52A0-008	E	Non-RoHS	50	7.07	6.46	6.12	5.78
Beige One-Piece for 101XX-6000EC Plugs								
517-10314-3210-000	10314-3210-000	F	Non-RoHS	14	4.68	4.28	4.05	3.83
517-10320-3210-000	10320-3210-000	F	Non-RoHS	20	4.06	3.71	3.51	3.32
517-10326-3210-000	10326-3210-000	F	Non-RoHS	26	4.14	3.78	3.58	3.38
517-10336-3210-000	10336-3210-000	F	Non-RoHS	36	4.22	3.86	3.65	3.45
517-10350-3210-000	10350-3210-000	F	Non-RoHS	50	4.35	3.97	3.76	3.55
517-10368-3210-000	10368-3210-000	F	Non-RoHS	68	4.45	4.07	3.85	3.64

.050" METAL JUNCTION SHELLS

For quantities of 200 and up, call for quote.

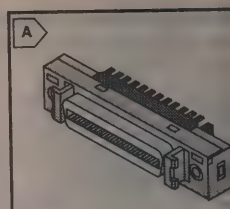
MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Contacts	Price Each 1	25	50	100
Two-Piece for 101XX-6000EC Plugs								
517-10320-A200-00	10320-A200-00	G	Non-RoHS	20	10.15	9.27	8.78	8.30
517-10326-A200-00	10326-A200-00	G	Non-RoHS	26	10.92	9.98	9.45	8.93
517-10336-A200-00	10336-A200-00	G	Non-RoHS	36	11.54	10.55	9.99	9.44
517-10350-A200-00	10350-A200-00	G	Non-RoHS	50	12.90	11.78	11.16	10.54
517-10368-A200-00	10368-A200-00	G	Non-RoHS	68	13.52	12.35	11.70	11.05
517-103A0-A200-00	103A0-A200-00	G	Non-RoHS	100	16.31	14.50	12.69	11.60

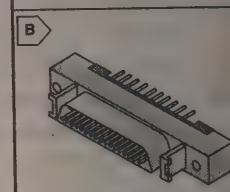
JACK SOCKETS

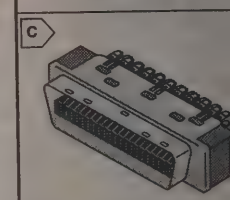
- Package of Two
- Thread Size: M2 5/#4-40
- Stainless Steel
- 2.5 Inch/lbs.

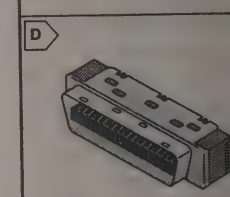
For quantities of 200 and up, call for quote.

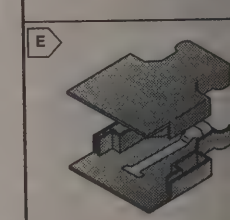
MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	Thread Length	Socket Length	Price Each 1	25	50	100
517-3341-13	3341-13 KIT	H	Non-RoHS	.35"	.27"	2.91	2.66	2.52	2.38
517-3341-31	3341-31 KIT	H	Non-RoHS	.40"	.12"	3.70	3.38	3.28	3.03
517-3341-32	3341-32 KIT	H	Non-RoHS	.50"	.27"	3.57	3.25	3.08	2.91

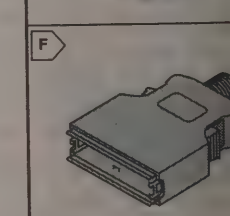


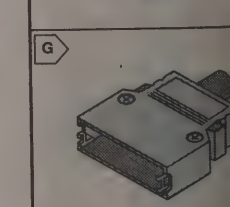


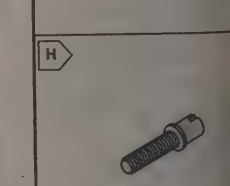










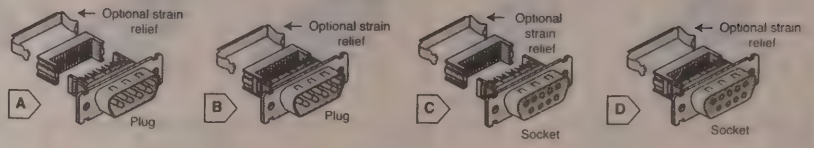


SUB CONNECTORS

ble in preassembled or two piece covers
ved metal strain relief hooks directly to metal shell - Ordered Separately

ures:
- profile
lation Material: Glass Filled
yester (PBT)
nmability: UL 94V-0
lation Color: Gray
tact Material: Copper alloy
tact Plating: 30µ" Gold
ll Material: Steel

- Shell Plating: Tin
- Wire Accommodation: 26 and 28 AWG solid or stranded
- Current Rating: 1A
- Withstanding Voltage: 1000 Vrms @ Sea level
- Temperature Rating: -15°C to +105°C



LR40971 E68080

gs - 8200 Series

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Mounting Style	Price Each 1	25	50
n Two-Piece Cover							
-8209-6000	8209-6000	A	9	Unthreaded Insert	5.01	4.58	4.17
-8215-6000	8215-6000	A	15	Unthreaded Insert	5.70	5.21	4.80
-8225-6000	8225-6000	A	25	Unthreaded Insert	6.47	5.91	5.38
-8237-6000	8237-6000	A	37	Unthreaded Insert	8.36	7.64	6.95
-8209-6003	8209-6003	A	9	4-40 UNC Threaded Insert	6.14	5.61	5.10
-8215-6003	8215-6003	A	15	4-40 UNC Threaded Insert	6.82	6.23	5.67
-8225-6003	8225-6003	A	25	4-40 UNC Threaded Insert	7.36	6.73	6.12
-8237-6003	8237-6003	A	37	4-40 UNC Threaded Insert	9.13	8.34	7.59
n Preassembled Cover Without Adhesive							
-8209-8000	8209-8000	B	9	Unthreaded Insert	5.01	4.58	4.17
-8215-8000	8215-8000	B	15	Unthreaded Insert	5.70	5.21	4.80
-8225-8000	8225-8000	B	25	Unthreaded Insert	6.47	5.91	5.38
-8237-8000	8237-8000	B	37	Unthreaded Insert	8.36	7.64	6.95

Sockets - 8300 Series

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Mounting Style	Price Each 1	25	50
Open Two-Piece Cover							
517-8309-6000	8309-6000	C	9	Unthreaded Insert	5.14	4.69	4.27
517-8315-6000	8315-6000	C	15	Unthreaded Insert	5.91	5.40	4.91
517-8325-6000	8325-6000	C	25	Unthreaded Insert	6.57	6.00	5.47
517-8337-6000	8337-6000	C	37	Unthreaded Insert	8.49	7.75	7.06
517-8309-6003	8309-6003	C	9	4-40 UNC Threaded Insert	6.26	5.72	5.21
517-8315-6003	8315-6003	C	15	4-40 UNC Threaded Insert	7.03	6.42	5.85
517-8325-6003	8325-6003	C	25	4-40 UNC Threaded Insert	7.47	6.82	6.21
517-8337-6003	8337-6003	C	37	4-40 UNC Threaded Insert	9.13	8.34	7.59
Open Preassembled Cover Without Adhesive							
517-8309-8000	8309-8000	D	9	Unthreaded Insert	5.14	4.69	4.27
517-8315-8000	8315-8000	D	15	Unthreaded Insert	5.91	5.40	4.91
517-8325-8000	8325-8000	D	25	Unthreaded Insert	6.57	6.00	5.47
517-8337-8000	8337-8000	D	37	Unthreaded Insert	8.49	7.75	7.06

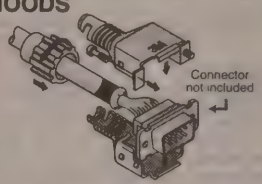
in Reliefs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each 1	25	50
-3448-8D09A	3448-8D09A	9 Pin Strain Relief	.25	.23	.21
-3448-8D15A	3448-8D15A	15 Pin Strain Relief	.33	.31	.28
-3448-8D25A	3448-8D25A	25 Pin Strain Relief	.33	.31	.28
-3448-8D37A	3448-8D37A	37 Pin Strain Relief	.33	.31	.28
-3448-8D50	3448-8D50	50 Pin Strain Relief	.62	.57	.54

METAL D-SUB CONNECTOR EMI HOODS

Designed to fit the 3M 8200 and 8300 series D-Sub connectors, listed above.



Features:
- Provides EMI/ESD protection
- Material: Steel
- Plating: Nickel
- Flammability: UL94V-0

* 50 Pos. has a cast aluminum shell.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each 1	25	50
517-3357-9209	3357-9209	Use with 9 pin d-sub	3.92	3.59	3.27
517-3357-9215	3357-9215	Use with 15 pin d-sub	4.34	3.98	3.62
517-3357-9225	3357-9225	Use with 25 pin d-sub	4.98	4.54	4.14
517-3357-9237	3357-9237	Use with 37 pin d-sub	7.26	6.63	6.03
*517-3357-9250	3357-9250	Use with 50 pin d-sub	11.40	10.41	9.86
Accessories					
517-3341-7	3341-7	Thumb Screw Kit	3.97	3.63	3.44
517-3808-ER	3808-ER	Retainer Ring	.40	.36	.34
517-3505-62	3505-62	Latch Bracket for 50P	1.83	1.67	1.58

is

For quantities of 2 and up, call for quote.

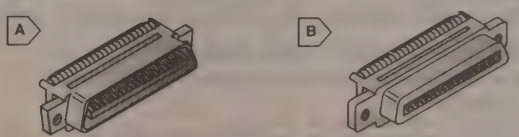
MOUSER STOCK NO.	3M Part No.	Description	Price Each
-3640	3640	Press	436.09
-3443-106N	3443-106N	Locator Plate for 9, 15, 25, 37 Pin Connectors	392.79
-3443-112	3443-112	Locator Plate for 50 Pin Connectors	166.40
-3442-39N	3442-39N	Platen for 9P and 15P Plug Connectors	150.23
-3442-41N	3442-41N	Platen for 25P and 37P Plug Connectors	170.26
-3442-9	3442-9	Platen for 9, 15, 25, 37 Pin Socket Connectors	134.16
-3442-44	3442-44	Platen for 50P Plug and Socket Connectors	106.08
-3664-B	3664-B	Cable Stop for Preassembled Option	168.60

00 SERIES D RIBBON WIREMOUNT CONNECTORS

ures:
epts .050" round, flat or jacketed cable
lation material: Glass Filled Polyester (PBT)
nmability: UL 94V-0
r: Gray
tact material: Copper alloy

- Current rating: 1 A
- Temperature rating: -55°C to +105°C
- Plating: 30 µ" Gold
- Wire Accommodation: 26 and 28 AWG solid or stranded

Metal faced plug: provides complete EMI shielded system when mated to a metal faced female connector



gs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Mounting Style	Price Each 1	25	50
stic - Low Profile							
-3572-1000	3572-1000	A	14	.158" Dia Thru Hole	4.99	4.56	4.25
-3572-1001	3572-1001	A	14	Bailmount	5.77	5.26	4.79
-3572-1002	3572-1002	A	14	#4-40 UNC Insert	5.37	4.90	4.57
-3548-1000	3548-1000	A	24	.158" Dia Thru Hole	5.80	5.30	4.94
-3548-1001	3548-1001	A	24	Bailmount	5.49	5.02	4.68
-3548-1002	3548-1002	A	24	#4-40 UNC Insert	7.11	6.49	6.06
-3366-1000	3366-1000	A	36	.158" Dia Thru Hole	7.32	6.69	6.09
-3366-1001	3366-1001	A	36	Bailmount	6.74	6.16	5.61
-3366-1002	3366-1002	A	36	#4-40 UNC Insert	6.88	6.29	5.86
-3564-1000	3564-1000	A	50	.158" Dia Thru Hole	8.05	7.36	6.96
-3564-1001	3564-1001	A	50	Bailmount	8.53	7.79	7.09
-3564-1002	3564-1002	A	50	#4-40 UNC Insert	8.47	7.73	7.04
al Faced							
-3564-2000	3564-2000	A	50	.158" Dia Thru Hole	9.72	8.87	8.27
-3564-2001	3564-2001	A	50	Bailmount	11.37	10.40	9.46

Sockets

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Mounting Style	Price Each 1	25	50
Plastic - Low Profile							
517-3573-1000	3573-1000	B	14	.158" Dia Thru Hole	6.66	6.08	5.66
517-3573-1001	3573-1001	B	14	Bailmount	4.60	4.20	3.91
517-3573-1002	3573-1002	B	14	#4-40 UNC Insert	6.07	5.54	5.17
517-3549-1000	3549-1000	B	24	.158" Dia Thru Hole	5.22	4.77	4.44
517-3549-1001	3549-1001	B	24	Bailmount	5.45	4.98	4.64
517-3549-1002	3549-1002	B	24	#4-40 UNC Insert	5.55	5.07	4.73
517-3367-1000	3367-1000	B	36	.158" Dia Thru Hole	6.43	5.87	5.35
517-3367-1001	3367-1001	B	36	Bailmount	7.20	6.58	5.99
517-3367-1002	3367-1002	B	36	#4-40 UNC Insert	7.63	6.97	6.50
517-3565-1000	3565-1000	B	50	.158" Dia Thru Hole	7.65	6.99	6.37
517-3565-1001	3565-1001	B	50	Bailmount	9.07	8.28	7.54
517-3565-1002	3565-1002	B	50	#4-40 UNC Insert	8.47	7.73	7.04
Metal Faced							
517-3565-2000	3565-2000	B	50	.158" Dia Thru Hole	8.72	7.96	7.42
517-3565-2002	3565-2002	B	50	Bailmount	9.69	8.86	8.06

in Reliefs

For quantities of 100 and up, call for quote.

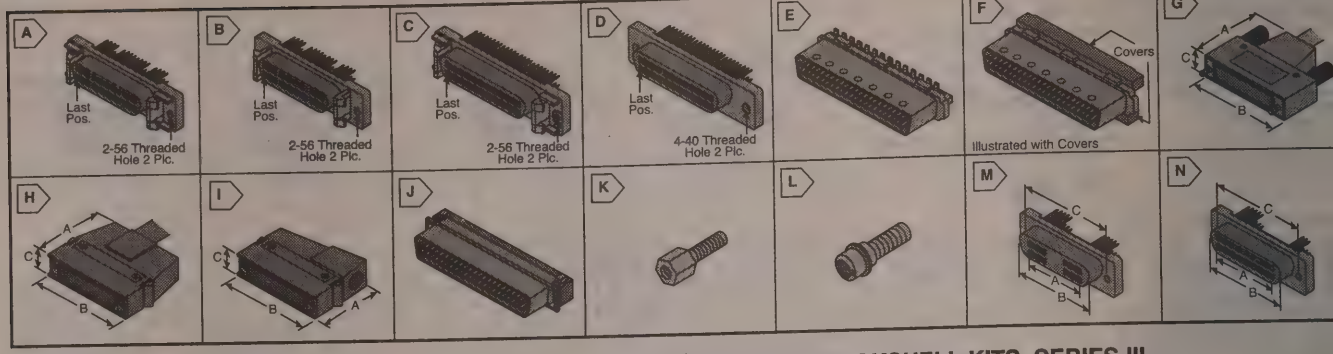
MOUSER STOCK NO.	3M Part No.	Description	Price Each 1	25	50
-3448-60	3448-60	14 Pin Strain Relief	.44	.40	.38
-3448-61	3448-61	24 Pin Strain Relief	.44	.41	.37
-3448-62	3448-62	36 Pin Strain Relief	.52	.48	.45
-3448-63	3448-63	50 Pin Strain Relief	.52	.48	.45

Tools

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each
517-3640	3640	Press	436.09
517-3443-58	3443-58	Locator Plate	656.28
517-3442-9	3442-9	Platen	134.16

AMP AMPLIMITE .050 Connectors



Description:

- Compatible with SCSI-2, EIA RS-232, HIPPI and IPI-2 standards
- High-density D type interface
- Shields mate before contacts, with ground mating first and breaking last
- Recognized under the Component Program of Underwriters Laboratories, Inc. File No. E28476
- Certified by Canadian Standards Association, File No. LR 7189A-207
- Series I - will intermate with 50, 68 and 96 position connectors in Series II and Series III
- Series III - will intermate with all Series II positions and the 50, 68, and 96 position Series I

VERTICAL RECEPTACLE HEADERS, SERIES III

.125 (3.18) Solder Tail Length

Material and Finish:

- Housing: Thermoplastic, UL94V-0 rated, black, SMT compatible
- Shell: Steel, plated .000200 (0.00508) min. bright tin over .000050 (0.00127) min. copper
- Bracket: Zinc, plated nickel over copper
- Contacts: Phosphor bronze, duplex plated .000030 (0.00076) min. gold on mating end
- .000120 (0.00304) min. tin-lead on solder end all underplated .000050 (0.00127) min. nickel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Description	Price Each		
					1	10	100
571-749069-7	749069-7	A	68	With rails and latch blocks	6.08	5.47	5.17
571-749070-7	749070-7	A	68	Without rails and without latch blocks	5.54	5.00	4.71
571-749070-9	749070-9	A	100	Without rails and without latch blocks	14.14	12.73	12.02
571-749721-5	749721-5	B	50	Without rails and with latch blocks	6.08	5.47	5.17

.173 (4.39) Length, Action PIN Tails

Headers with contact tail lengths of .173 are designed for boards with a nominal thickness of .062 (1.56) and .093 (2.36).

Material and Finish:

- Housings: Thermoplastic, UL94V-0 rated, black, SMT compatible
- Shell: Carbon steel, plated .000200 (0.00508) min. bright tin over .000050 (0.00127) min copper
- Bracket: Zinc, plated .000150 (0.0038) min. nickel over .000200 (0.00508) min copper
- Contacts: Phosphor bronze, duplex plated .000030 (0.00076) min. gold on mating end, .000150 (0.0038) min. tin-lead on opposite end all underplated .000050 (0.00127) min. nickel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Description	Price Each		
					1	10	100
571-786554-5	786554-5	C	50	With rails and latch blocks	6.52	5.87	5.54
571-786554-7	786554-7	C	68	With rails and latch blocks	9.48	8.53	8.06
571-786555-7	786555-7	D	68	Without rails and without latch blocks	7.84	7.06	6.67

CABLE PLUG CONNECTORS, SERIES III

Connector with Unassembled Wire Lacing Termination Covers

Material and Finish:

- Housing and Covers: Thermoplastic, UL94V-0 rated, gray
- Contacts: Phosphor bronze, duplex plated .000030 (0.00076) min. gold on mating end, .000050 (0.00127) min. tin-lead on termination end, all underplated .000050 (0.00127) min. nickel
- Shell: Steel, plated .000010 (0.00025) min. tin-nickel alloy over .000150 (0.00381) min. nickel over .000100 (0.00254) min. copper
- Recommended wire size: 28 AWG or 30 AWG, solid or 7 strand, with a .029-.036 insulation diameter

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Description	Price Each		
					1	10	100
571-1-750913-5	1-750913-5	E	50	.029-.031 (0.74-0.79) outer wire dia. Gray	4.60	4.14	3.91

Connectors with Standard Termination Covers-Assembled and Unassembled

Materials:

- Housings and Covers: Thermoplastic, UL94V-0 rated, black
- Contacts: Phosphor bronze, duplex plated .000030 (0.00076) min. gold on mating end, .000050 (0.00127) min. tin-lead on termination end, all underplated .000050 (0.00127) min. nickel
- Shell: Steel, plated .000010 (0.00025) min. tin-nickel alloy over .000150 (0.0038) min. nickel over .000100 (0.00254) min. copper
- Recommended wire size: 28 AWG or 30 AWG, solid or 7 strand, with a .029-.036 insulation diameter

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Description	Price Each		
					1	10	100
571-749111-1	749111-1	F	20	Assembled Covers	3.86	3.47	3.28
571-749111-6	749111-6	F	68	Assembled Covers	6.82	6.14	5.80
571-749111-8	749111-8	F	100	Assembled Covers	18.82	16.94	16.00
571-749621-2	749621-2	F	26	Unassembled Covers	3.86	3.47	3.28
571-749621-5	749621-5	F	50	Unassembled Covers	3.56	3.20	3.03
571-749621-7	749621-7	F	68	Unassembled Covers	3.86	3.47	3.28
571-749621-8	749621-8	F	80	Unassembled Covers	11.58	10.42	9.84
571-749621-9	749621-9	F	100	Unassembled Covers	10.28	9.25	8.74

SHIELDED BACKSHELL KITS, SERIES III

With Male Jackscrews

Materials:

- Jackscrews: Steel, plated black zinc
- Jackscrew Caps: Polyolefin or PVC, black
- 2-56 Screws: Stainless Steel
- Backshell: Zinc, plated nickel over copper
- Strain Relief Staple: Steel, plated tin-lead over nickel

Features:

- Each kit includes upper and lower backshells, two male jackscrews, one strain relief staple and two 2-56 screws.
- Packaged unassembled

For quantities of 500 and up, call for q

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Dimension			Max. O.D.	Price Each		
				A	B	C		1	10	
571-749080-1	749080-1	G	50	1.270	2.085	.480	.400	9.66	8.69	
571-749081-1	749081-1	G	100	1.695	3.325	.595	.500	15.66	14.09	1
571-749854-1	749854-1	G	100	2.082	3.325	.615	.550	15.66	14.09	1

Straight and Angled Exit RFI/EMI Shields (Two-Piece) for Jacketed Cable-With Spring Latches

Materials:

- Backshell: Zinc, plated nickel over copper
- Spring Latch: Stainless Steel
- 2-56 Screws: Stainless Steel
- Strain Relief Staple: Steel, plated tin-lead over nickel

Features:

- Each kit includes upper and lower backshells, two male jackscrews, one strain relief staple and two 2-56 screws.
- Packaged unassembled

For quantities of 500 and up, call for q

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Dimension			Max. O.D.	Style	Price Each	
				A	B	C			1	10
Straight with Latches										
571-749193-2	749193-2	H	50	1.395	1.965	.480	0.400	A	3.92	3.53
571-749195-2	749195-2	H	68	1.405	2.415	.520	0.440	A	6.96	6.26
571-749196-2	749196-2	H	80	1.600	2.715	.565	0.500	A	9.32	8.39
Angled with Latches										
571-749609-1	749609-1	I	26	1.290	1.365	.400	0.270	A	7.68	6.91
571-749202-2	749202-2	I	50	1.395	1.965	.480	0.400	A	8.34	7.51

PLUG ASSEMBLY UNSHIELDED, SERIES III

For .025 (0.64) Centerline Ribbon Cable

Housing and Termination:

- Covers: Thermoplastic, UL94V-0 rated, black
- Contacts: Phosphor Bronze, duplex plated .000030 (0.00076) min. gold on mating end, .000050 (0.00127) min. bright tin-lead on termination end, all over .000050 (0.00127) min. nickel underplating
- Recommended wire size: .025 (0.64) centerline, 30 AWG solid or 7 strand, PVC, flat ribbon cable.
- Cable must be approved by Tyco engineering

For quantities of 500 and up, call for

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Description	Price Eac	
					1	10
571-786090-7	786090-7	J	68	Plug Assembly	1.90	1.71

SCREWLOCK KITS, SERIES III-FEMALE

Materials:

- Stainless Steel
- Includes Two Screwlocks
- Used with Vertical Receptacle Headers

For quantities of 500 and up, call for

MOUSER STOCK NO.	AMP Part No.	Fig.	Thread Size	Description	Price Eac	
					1	10
571-749087-1	749087-1	K	4-40	Kit	1.68	1.51
571-786585-2	786585-2	L	2-56	Kit	1.72	1.54

ALL-PLASTIC BOARD-TO-BOARD HEADERS, SERIES I

Receptacle Header Vertical Mount with Thru-holes for Board Mounting

Materials and Finish:

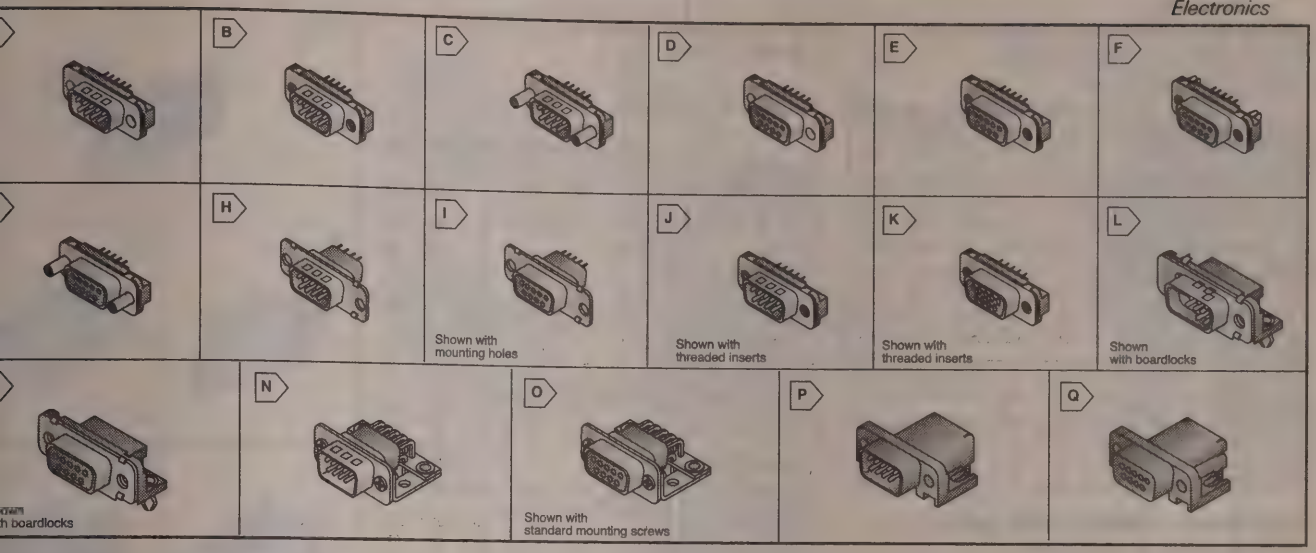
- Housing: Thermoplastic, UL94V-0 rated, black
- Contacts: Phosphor bronze, duplex plated .000008 (0.0002) min. or .000030 (0.00076) min. gold on contact area. .0254 (0.001) min. soldering tin-lead on area, with entire contact underplated .000050 (0.00127) min. nickel

Features:

- To mount connector to pc use M2 screws and nuts, ordered separately

For quantities of 500 and up, call fo

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Dimension			Price Eac	
				A	B	C	1	10
Receptacle Header Vertical Mount with Thru-holes for Board Mounting								
571-173279-3	173279-3	M	50	1.200	1.370	1.590	3.52	3.18
Plug Header Vertical Mount with Thru-holes for Board Mounting								
571-173280-3	173280-3	N	50	1.200	1.440	1.590	3.80	3.42



-20 SERIES, PCB CONNECTORS

ell: Steel, tin plated
ntacts: Pins - brass, sockets - phosphor bronze
ntact Plating: (a) Gold on mating end, tin-lead on termination end, nickel underplated
(b) Same as (a) with gold flash on mating end

ight Posted Connectors, nt Metal-Shell

using: UL 94V-0 black thermoplastic
eaded Inserts: Brass, unplated
nale Screwlocks: Zinc

For quantities of 500 and up, call for quote.

OUSER OCK NO.	Fig.	Shell Size	No. of Pos.	Post Length (In.)	Plating Code	Price Each 1	10	100
gs - with standard mounting holes								
-7478712	A	1	9	0.125	a	5.02	4.52	4.27
-7478724	A	2	15	0.170	a	3.08	2.77	2.62
-7459682	A	3	25	0.125	a	7.66	6.90	6.52
-7473752	A	4	37	0.125	a	8.62	7.76	7.33
gs - with threaded inserts								
-7478718	B	1	9	0.125	a	3.48	3.13	2.96
-7478728	B	2	15	0.125	a	3.94	3.55	3.35
-7459688	B	3	25	0.125	a	6.74	6.07	5.73
-747375-8	B	4	37	0.125	a	8.40	7.56	7.15
gs - with female screwlocks								
-17478714	C	1	9	0.125	a	3.80	3.42	3.23
-17478713	C	1	9	0.125	b	5.34	4.81	4.54
-17459684	C	3	25	0.125	a	7.90	7.11	6.72
eptacles - with standard mounting hole								
-7471502	D	1	9	0.125	a	5.16	4.65	4.39
-7472992	D	2	15	0.125	a	3.16	2.84	2.69
-7459672	D	3	25	0.125	a	4.32	3.89	3.67
eptacles - with threaded inserts								
-7471508	E	1	9	0.125	a	3.28	2.95	2.79
-7471507	E	1	9	0.125	b	3.62	3.26	3.08
-7472998	E	2	15	0.125	a	4.12	3.71	3.50
-7459678	E	3	25	0.125	a	5.08	4.57	4.32
-7459677	E	3	25	0.125	b	4.24	3.82	3.60
-7473018	E	4	37	0.125	a	7.44	6.70	6.43
eptacles - with retention inserts								
-27477060	F	1	9	0.125	a	3.28	2.95	2.79
-27477080	F	3	25	0.125	a	4.78	4.30	4.06
eptacles - with female screwlocks								
-17471504	G	1	9	0.125	a	3.96	3.56	3.37
-17471503	G	1	9	0.125	b	5.20	4.68	4.42
-17471506	G	1	9	0.170	a	4.40	3.96	3.75
-17472994	G	2	15	0.125	a	4.12	3.71	3.50
-17459674	G	3	25	0.125	a	4.12	3.71	3.51
-17459676	G	3	25	0.170	a	4.85	4.36	3.88
-17473016	G	4	37	0.170	a	10.75	9.67	9.13

Straight Posted Connectors, Full Metal-Shell

- Housing: UL 94V-0 black thermoplastic

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shell Size	No. of Pos.	Post Length (In.)	Plating Code	Price Each 1	10	100
Plugs - with mounting holes								
571-7454101	H	1	9	0.125	a	4.80	4.32	4.08
571-4121000	H	2	15	0.125	a	6.02	5.42	5.12
571-7454141	H	5	50	0.125	a	15.48	13.94	13.16
Receptacles, with mounting holes								
571-7451832	I	1	9	0.125	b	4.68	4.22	3.98
571-7451871	I	3	25	0.125	a	5.86	5.27	5.00
571-7451877	I	3	25	0.188	a	8.16	7.35	6.94

Straight Posted Connectors, with ACTION PIN Contacts, Front Metal-Shell

- Housing: UL 94V-0 black thermoplastic
- ACTION PIN Contacts: Copper Alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shell Size	No. of Pos.	Plating Code	Price Each 1	10	100
Receptacles, with threaded inserts							
571-7470902	K	1	9	a	3.74	3.37	3.18

Right Angle Connectors, Front Metal Shell

- .318 PCB footprint
- Housing: UL 94V-0 black thermoplastic

For quantities of 500 and up, call for quote.

Plugs - without boardlocks, with threaded inserts								
571-7472504	L	1	9	a	1.76	1.58	1.50
571-7472364	L	2	15	a	2.54	2.29	2.16
571-7472384	L	3	25	a	3.13	2.82	2.66
571-7472524	L	4	37	a	5.94	5.35	5.05
Plugs - with boardlocks & threaded inserts							
571-7478404	L	1	9	a	1.15	1.04	.98
571-7478403	L	1	9	b	1.43	1.28	1.21
571-7478414	L	2	15	a	1.49	1.34	1.27
571-7478424	L	3	25	a	2.61	2.35	2.22
571-7478434	L	4	37	a	4.48	4.03	3.81
Plugs - with boardlocks & female screwlocks							
571-7478406	L	1	9	a	1.63	1.47	1.39
571-7478416	L	2	15	a	1.49	1.34	1.27
571-7478426	L	3	25	a	5.78	5.21	4.92
571-7478425	L	3	25	b	4.58	4.12	3.66

Right Angle Connectors, Front Metal Shell (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shell Size	No. of Pos.	Plating Code	Price Each 1	10	100
Receptacles - without boardlocks, with threaded inserts							
571-7457814	M	1	9	a	1.53	1.38	1.30
571-7457813	M	1	9	b	1.87	1.68	1.59
571-7457824	M	2	15	a	1.87	1.68	1.59
571-7457834	M	3	25	a	2.21	1.99	1.88
571-7457833	M	3	25	b	4.12	3.71	3.51
571-7457844	M	4	37	a	6.36	5.72	5.41
Receptacles - without boardlocks, with female screwlocks							
571-7457816	M	1	9	a	3.21	2.94	2.68
571-7457836	M	3	25	a	2.96	2.66	2.52
571-7457835	M	3	25	b	1.80	1.62	1.53
Receptacles - with boardlocks & threaded inserts							
571-7478444	M	1	9	a	1.36	1.22	1.16
571-7478443	M	1	9	b	1.42	1.28	1.21
571-7478454	M	2	15	a	1.17	1.06	1.00
571-7478453	M	2	15	b	1.12	1.01	.95
571-7478464	M	3	25	a	2.08	1.88	1.78
571-7478474	M	4	37	a	4.06	3.66	3.52
Receptacles - with boardlocks & female screwlocks							
571-7478445	M	1	9	b	1.40	1.26	1.12
571-7478456	M	2	15	a	4.86	4.37	4.13
571-7478455	M	2	15	b	4.24	3.82	3.60
571-7478466	M	3	25	a	2.40	2.16	2.04
571-7478465	M	3	25	b	1.73	1.55	1.47
571-7478476	M	4	37	a	6.06	5.45	5.15

Right Angle Connectors, Full Metal Shell

- .545 PCB footprint
- Insert: UL 94V-0 black thermoplastic

For quantities of 500 and up, call for quote.

Plugs - with standard mounting screws							
571-7453514	N	1	9	a	10.54	9.49	8.96
571-7453554	N	5	50	a	21.90	19.70	18.60
Receptacles - with standard mounting screws							
571-7451122	O	1	9	a	10.72	9.65	9.11
571-7451142	O	3	25	a	14.78	13.31	12.56
571-7451162	O	5	50	a	23.50	21.15	20.00

Right Angle Connectors, Plastic Shell

- Shell and housing: UL 94V-0 black thermoplastic
- Standard mounting holes
- .590 PCB footprint

For quantities of 500 and up, call for quote.

Plugs- without boardlocks							
571-7474682	P	2	15	a	3.62	3.26	3.08
571-7488262	P	3	25	b	3.66	3.29	3.11
Receptacles- without boardlocks							
571-7474591	Q	1	9	b	3.04	2.74	2.58
571-7474611	Q	3	25	b	7.14	6.43	6.07

AMPLIMITE D-Subminiature Connectors

HD-20 SOLDER CUP CONNECTORS

- Contacts: Phosphor bronze, with gold flash on mating end, tin-lead on solder cup, all nickel underplating
- Insert: UL 94V-O thermoplastic, black
- Shell: Steel, tin or zinc plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Pos.	Price Each 1	10	100
Plugs, Zinc Plating							
571-7479044	747904-4	A	1	9	2.01	1.67	1.34
571-7479084	747908-4	A	2	15	2.79	2.32	1.86
571-7479124	747912-4	A	3	25	2.84	2.56	2.42
571-7479164	747916-4	A	4	37	4.28	3.85	3.64
Plugs, Tin Plating							
571-7479042	747904-2	A	1	9	1.83	1.63	1.21
571-7479082	747908-2	A	2	15	2.97	2.65	1.96
571-7479122	747912-2	A	3	25	3.47	3.10	2.30
571-7479162	747916-2	A	4	37	4.28	3.85	3.64
Receptacles, Zinc Plating							
571-7479054	747905-4	B	1	9	2.79	2.35	1.86
571-7479134	747913-4	B	3	25	3.70	3.33	3.15
Receptacles, Tin Plating							
571-7479052	747905-2	B	1	9	2.47	2.20	1.63
571-7479092	747909-2	B	2	15	2.72	2.45	2.32
571-7479132	747913-2	B	3	25	2.70	2.43	2.30
571-7479172	747917-2	B	4	37	5.26	4.75	4.47

HDE-20 IDC CONNECTORS, METAL SHELL (FOR DISCRETE WIRE)

- Wire size: 26-22 AWG
- Shell: Steel, tin-plated
- Insert: UL94V-0 black thermoplastic
- Contacts: Phosphor bronze
- Plating: 30μ" gold on mating end, tin-lead on termination end, all nickel underplated

Preloaded with IDC crimp contacts. Use extraction tool 571-912321.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Pos.	Price Each 1	10	100
Plugs							
571-7454922	745492-2	C	1	9	2.05	1.75	1.66
571-7454942	745494-2	C	2	15	2.78	2.50	2.36
571-7454962	745496-2	C	3	25	2.86	2.57	2.43
Receptacles							
571-7454912	745491-2	D	1	9	1.92	1.75	1.54
571-7454932	745493-2	D	2	15	2.78	2.50	2.36
571-7454952	745495-2	D	3	25	4.44	4.00	3.77

HDF-20 SERIES

(for Flat Ribbon Cable)

Low Profile, All Plastic Connectors

- Shell, housing, & cover: UL 94V-0 black thermoplastic
- Plating: gold on mating end, tin-lead on solder end, all over nickel underplated
- Contacts: phosphor-bronze
- Standard mounting holes

* Threaded inserts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Pos.	Price Each 1	10	100
Plugs							
571-7473214	747321-4	E	1	9	3.68	3.32	2.95
571-7473213	747321-3	E	2	15	4.29	3.86	3.43
571-7473212	747321-2	E	3	25	5.35	4.81	4.28
571-747321-1	747321-1	E	4	37	7.61	6.85	6.47
Receptacles							
571-7473184	747318-4	F	1	9	3.68	3.32	2.95
*571-7470524	747052-4	F	1	9	5.00	4.50	4.00
571-7473183	747318-3	F	2	15	4.46	4.01	3.79
571-7473182	747318-2	F	3	25	5.35	4.81	4.28
571-747318-1	747318-1	F	4	37	7.32	6.59	5.86

Low Profile Connectors, Metal Shell

- Housing, cover, and cable stabilizer: UL 94V-0 black thermoplastic
- Shell: steel, tin plated
- Standard mounting holes

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Pos.	Price Each 1	10	100
Plugs							
571-747306-4	747306-4	G	1	9	4.00	3.60	3.20
571-7473063	747306-3	G	2	15	4.54	4.10	3.64
571-747306-2	747306-2	G	3	25	5.65	5.10	4.52
571-7473061	747306-1	G	4	37	7.87	7.09	6.70
Receptacles							
571-7473034	747303-4	H	1	9	4.00	3.60	3.20
571-7473033	747303-3	H	2	15	4.54	4.10	3.63
571-7473032	747303-2	H	3	25	5.65	5.10	4.52
571-7473031	747303-1	H	4	37	7.87	7.09	6.70
Cable Stabilizer							
571-7472754	747275-4	I	1	9	.32	.25	.22
571-7472753	747275-3	I	2	15	.36	.28	.23
571-7472752	747275-2	I	3	25	.42	.31	.29
571-747275-1	747275-1	I	4	37	.48	.37	.30

HDP-20, CRIMP SNAP-IN CONTACT CONNECTORS

- Insert: UL 94V-0 thermoplastic, black
- Shell: steel, zinc or tin plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Pos.	Price Each 1	10	100
Plugs, Zinc Plating Shells							
571-2052041	205204-1	J	1	9	.65	.59	.55
571-2052061	205206-1	J	2	15	.94	.85	.80
571-2052081	205208-1	J	3	25	1.30	1.16	.86
571-2052101	205210-1	J	4	37	1.32	1.19	1.12
571-2052121	205212-1	J	5	50	1.60	1.44	1.36
Plugs, Tin Plated Shells, Without Grounding Indents							
571-2052043	205204-3	J	1	9	.87	.78	.74
571-2052062	205206-2	J	2	15	1.14	1.03	.97
571-2074641	207464-1	J	3	25	.99	.85	.62
Plugs, Tin Plated Shells, With Grounding Indents							
571-2052044	205204-4	K	1	9	.57	.51	.48
571-2052063	205206-3	K	2	15	.67	.61	.57
571-2074642	207464-2	K	3	25	.59	.53	.50
571-2052103	205210-3	K	4	37	1.14	1.02	.97
571-2052123	205212-3	K	5	50	1.21	1.09	1.03
Receptacle, Zinc Plating Shells							
571-2052031	205203-1	L	1	9	.76	.68	.65
571-2052051	205205-1	L	2	15	.84	.75	.71
571-2052071	205207-1	L	3	25	.73	.65	.62
571-2052091	205209-1	L	4	37	1.32	1.19	1.12
571-2052111	205211-1	L	5	50	2.23	1.92	1.72
Receptacle, Tin Plating Shells							
571-2052033	205203-3	L	1	9	.52	.47	.42
571-2052052	205205-2	L	2	15	.59	.54	.51
571-2074631	207463-1	L	3	25	.67	.61	.57
571-2052092	205209-2	L	4	37	1.26	1.13	.83
571-2052112	205211-2	L	5	50	2.23	1.92	1.72

CRIMP, SNAP-IN CONTACTS - SIZE 20 DF

- Use with HDP series

Plating:
(a) Gold flash over nickel on entire contact
(b) Gold on mating end, tin-lead on termination end, with entire contact nickel underplated
(c) Gold flash over all nickel underplated, additional gold on mating end
(d) Gold flash on mating end, tin-lead on crimp barrel, all nickel underplated
(e) 30μ" Gold on mating end, tin-lead on crimp barrel, all nickel underplated
(f) 30μ" Gold on mating and termination ends

Use insertion/extraction tool 571-912851; Crimp Tool 571-584482

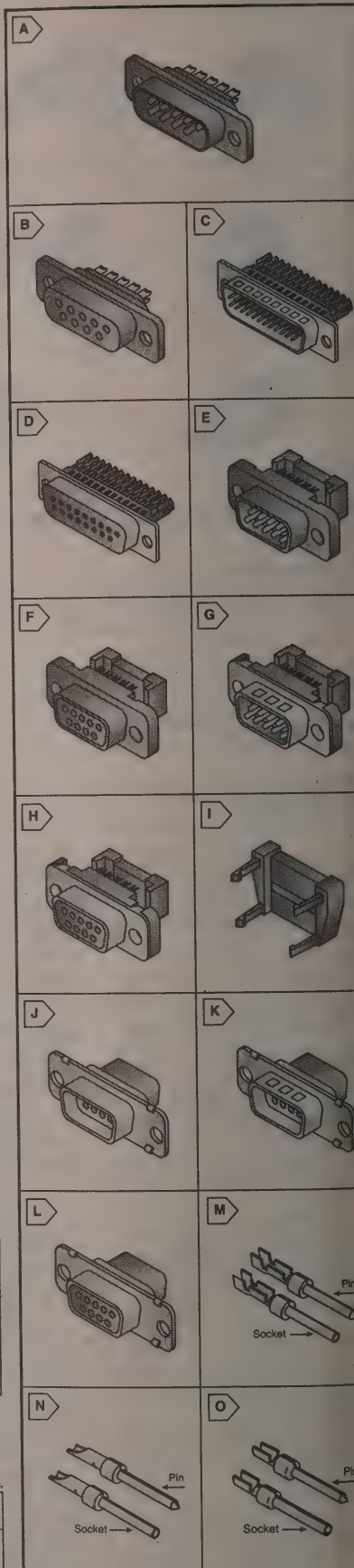
For quantities of 500 and up, call for quote.

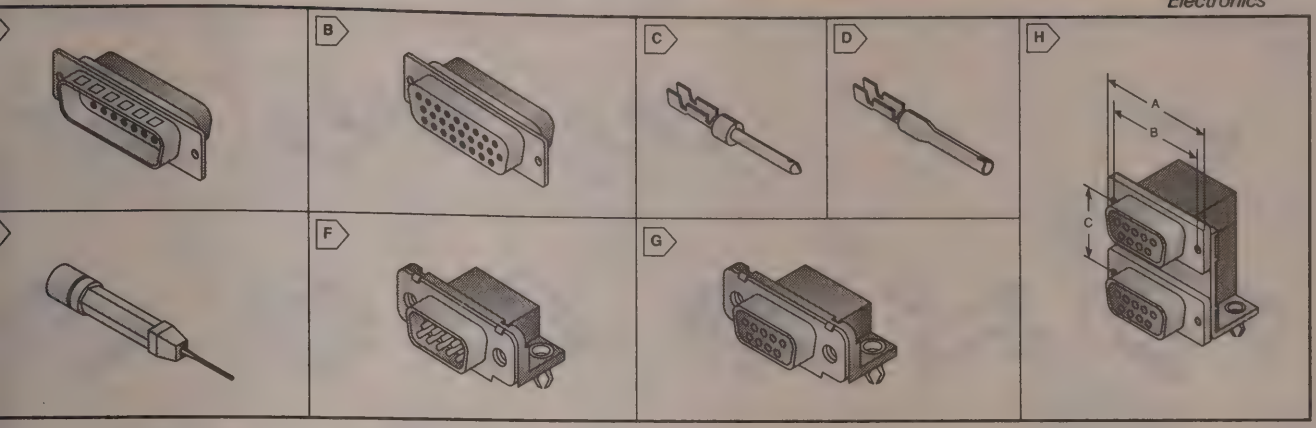
MOUSER STOCK NO.	AMP Part No.	Fig.	Wire Size	Plating Code	Price Each 1	10	100
Pins - (for use with Plugs)							
571-1665070	1-66507-0	M	28-24	a	.26	.18	.13
571-665703	66570-3	N	28-24	c	.24	.17	.16
571-666824	66682-4	M	28-24	d	.30	.21	.18
571-7452547	745254-7	M	26-22	a	.27	.19	.14
571-7452546	745254-6	M	26-22	d	.30	.22	.20
571-17452546	1-745254-6	M	26-22	e	.27	.19	.15
571-1665060	1-66506-0	M	24-20	a	.17	.16	.13
571-2052027	205202-7	O	24-20	a	.26	.21	.17
571-5665069	5-66506-9	M	24-20	b	.23	.16	.14
571-665069	66506-9	M	24-20	d	.17	.16	.14
571-5665067	5-66506-7	M	24-20	e	.26	.18	.14
571-7452294	745229-4	O	24-20	f	.28	.26	.20
Sockets - (for use with Receptacles)							
571-1665050	1-66505-0	M	28-24	a	.19	.15	.14
571-666834	66683-4	M	28-24	d	.33	.24	.16
571-7452536	745253-6	M	26-22	d	.32	.22	.20
571-1665040	1-66504-0	M	24-20	a	.18	.16	.14
571-2052017	205201-7	O	24-20	a	.21	.17	.16
571-5665047	5-66504-7	M	24-20	b	.17	.14	.13
571-2052015	205201-5	O	24-20	c	.34	.28	.22
571-665049	66504-9	M	24-20	d	.18	.16	.14
571-6665040	6-66504-0	M	24-20	e	.29	.20	.14
571-665693	66569-3	N	18 max	c	.29	.26	.19

INSERTION / EXTRACTION TOOLS

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Price Each
571-912851	91285-1	15.75
571-910672	91067-2	5.30
571-912321	91232-1	10.58





DP-22 HIGH DENSITY, CRIMP SNAP-IN CONTACT ONNECTORS

erials:
ell: steel, tin plated
sert: black thermoplastic, UL94V-0 rated

acts not included, order separately from Size 22 DF Contacts.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Positions	Price Each 1	10	100
gs, with Grounding Indents							
1-7483641	748364-1	A	1	15	1.61	1.45	1.29
1-7483651	748365-1	A	2	26	3.24	2.92	2.59
1-7483661	748366-1	A	3	44	3.61	3.25	2.89
1-7483671	748367-1	A	4	62	3.51	3.16	2.81
1-7483681	748368-1	A	5	78	4.04	3.64	3.24
ceptacles, with Grounding Indents							
1-7485651	748565-1	B	1	15	1.70	1.53	1.35
1-7485661	748566-1	B	2	26	3.50	3.15	2.80
1-7485671	748567-1	B	3	44	4.58	4.12	3.67
1-7485691	748569-1	B	5	78	5.60	5.03	4.47

HDP-22 Crimp Snap-In Contacts

Features:
- AWG size: 28-22
- Pin: brass
- Socket: phosphor bronze
- Plating:
  (a) 30µ" gold on mating end, tin-lead on crimp barrel, all nickel underplated
  (b) Gold flash on mating end, tin-lead on crimp barrel, all nickel underplated

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Plating Code	Type	Price Each 1	100	1000
571-7483334	748333-4	C	a	Pin	.16	.13	.12
571-748333-7	748333-7	C	b	Pin	.13	.12	.11
571-7486104	748610-4	D	a	Socket	.23	.14	.13
571-7486107	748610-7	D	b	Socket	.16	.15	.14

Insertion/ Extraction Tool

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-912851	91285-1	E	Insertion / Extraction tool	15.75

D-22 FRONT METAL SHELL, RIGHT ANGLE CONNECTORS

tures:
CB Mount
gh density, .350 PCB footprint with boardlocks
ont shell: steel tin plated
using: black thermoplastic, UL94V-0

- Contacts: pin-brass, socket-phosphor bronze .22DF
- Plating:
  (a) 30µ" gold on mating end, tin-lead on termination end, all nickel underplated
  (b) Gold flash on mating end, tin-lead on termination end, all nickel underplated
- Shell: nickel plated steel
- Boardlocks: tin plated brass
- Threaded Inserts: tin plated brass
- Female Screwlocks: nickel plated brass

gs with Boardlock

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Positions	Plating Code	Mounting Hardware	Price Each 1	10	100
1-7497671	749767-1	F	1	15	a	4-40 inserts	2.48	2.23	1.98
1-749768-1	749768-1	F	1	15	a	4-40 screw locks	4.38	3.94	3.72
1-7497691	749769-1	F	2	26	a	4-40 inserts	10.43	9.39	8.35
1-7497711	749771-1	F	3	44	a	4-40 inserts	11.42	10.28	9.71

ceptacles with Boardlock

VESA: VESA Std. 15-position receptacle housing material - Thermoplastic UL94V-0 blue per VESA Std.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Positions	Plating Code	Mounting Hardware	Price Each 1	10	100
71-1470250-3	1470250-3	G	1	15	a	4-40 screw locks	1.65	1.48	1.40
71-788624-1	788624-1	G	1	15	b	4-40 inserts	.56	.50	.48
71-2-788624-3	2-788624-3	G	1	15	a	4-40 inserts	2.48	2.23	2.11
71-748481-5	748481-5	G	2	26	a	4-40 screw locks	2.62	2.36	2.10
71-748482-5	748482-5	G	3	44	a	4-40 inserts	3.28	2.96	2.63

D-20 STACKED PCB CONNECTORS

PLIMITE HD-20 Stacked PCB Connectors add the advantage of reducing overall board real estate normally consumed by individual PCB connectors.

UL 28476 CSA LR 7189

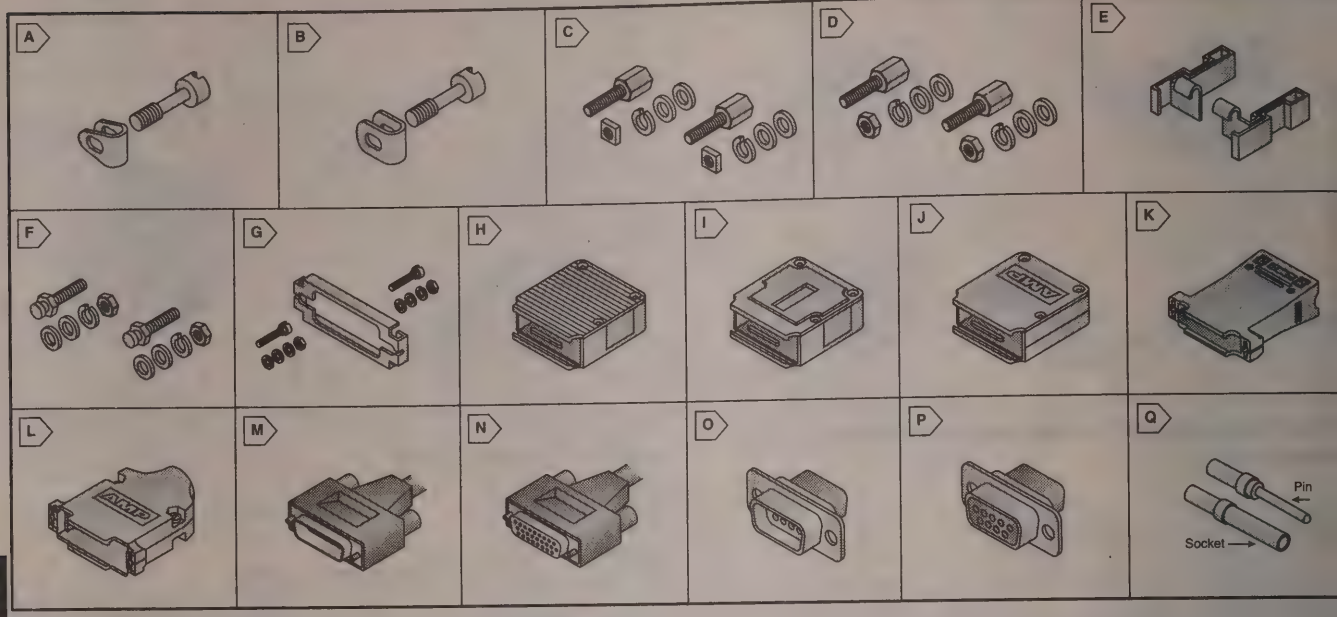
terials:
ousing: UL94V-0, Thermoplastic, Black
ront Metal Shell: Tin-Lead Plated Steel
oardlocks: Tin Plated Brass
emale Screwlocks: Nickel Plated Brass

- Threaded Inserts: Tin Plated Brass
- Brackets: Zinc
- Contact Pins: Brass
- Contact Sockets: Phosphor Bronze
- Plating: 000030 (0.00076) gold on mating end, tin-lead on solder tails with overall nickel underplate

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Upper D-Sub	Lower D-Sub	Dimensions: In. A	B	C	Mounting Hardware	Price Each 1	10	100
1-440391-3	440391-3	H	9p Plug	9p Plug	1.22	0.984	0.750	4-40 inserts	6.72	6.05	5.71
1-440397-3	440397-3	H	9p Plug	9p Receptacle	1.22	0.984	0.750	4-40 inserts	6.67	6.00	5.66
1-440398-3	440398-3	H	9p Plug	9p Receptacle	1.22	0.984	0.750	4-40 screw locks	7.80	7.02	6.63
1-1-440394-3	1-440394-3	H	15p Plug	15p Receptacle	1.55	1.31	0.750	4-40 inserts	11.70	10.53	9.95
1-1-440397-3	1-440397-3	H	15p Receptacle	15p Receptacle	1.55	1.31	0.750	4-40 inserts	11.28	10.15	9.59
1-2-440397-3	2-440397-3	H	25p Receptacle	25p Receptacle	2.09	1.85	0.750	4-40 inserts	11.70	10.53	9.95
1-2-440183-3	2-440183-3	H	25p Receptacle	25p Plug	2.09	1.85	0.750	4-40 inserts	10.52	9.47	8.94
1-3-440397-3	3-440397-3	H	37p Receptacle	37p Receptacle	43.94	2.50	0.750	4-40 inserts	11.28	10.15	9.59

AMPLIMITE D-Sub Kits and Accessories



HARDWARE AND ACCESSORIES

Male Screw Retainers Kits, Thread Size 4-40

Includes: male screw – retention clip – stainless steel.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Chromate Color	Price Each 1	10	100
For HDP-20, Metal Shell Connectors					
571-2059801	A	Yellow	.38	.35	.33
571-2059804	A	Clear	.47	.42	.40
For HDF-20, Metal-Shell and All-Plastic Connectors					
571-7468811	B	Yellow	1.42	1.27	1.14

Female Screw Lock Kits, Thread Size 4-40

Includes two complete sets of: female screw, two flat washers, lock washer, and hex nut or square nut. Material and finish for all parts: cold rolled steel, zinc plated clear or yellow chromate.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Chromate Color	Price Each 1	10	100
For HD-20 Right Angle Connectors, Plastic Shell					
571-207952-1	C	Yellow	1.01	.91	.86
571-207952-3	C	Clear	.95	.85	.80
For HDE Connectors, Metal / All Plastic Shell					
571-7455631	D	Yellow	1.20	1.07	.95
571-7455633	D	Clear	1.06	.95	.85
For HDP/HDF Connectors, Metal Shell/All Plastic					
571-205817-1	D	Yellow	1.10	1.00	.93
571-2058173	D	Clear	1.05	.94	.89
For HD Connectors, All Plastic, W/Integral Standoffs					
571-207719-1	D	Yellow	1.09	.98	.88
571-2077193	D	Clear	1.01	.91	.81

Standard Spring Latch

Includes: two stainless steel spring latches.

- For shell size 1-4

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Price Per Pkg. of 2 1	10	100
571-745779-2	E	1.06	.95	.85

Locking Post Assembly Kit

Includes two complete assemblies of: 4-40 post, two flat washers, lock washer, and hex nut. Material for all parts: cold rolled steel, zinc plated yellow chromate.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Price Per Pkg. of 2 1	10	100
571-206514-1	F	1.60	1.43	1.27

Slide Latch Kit for Use With Shell Size 2

Includes: slide latch – steel and two complete assemblies of screw, two washers, and hex nut – steel, zinc plated yellow chromate.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Price Per Pkg. of 2 1	10	100
571-7455835	G	2.25	2.02	1.80

UNSHIELDED CABLE CLAMP KITS

These cable clamp assemblies can be used on either a plug or socket. All parts are packaged unassembled.

- Use with HDP Metal Shell
- Each Kit includes: 1 hinged plastic clamp, 2 self-tapping screws, 1 strain-relief clip, 1 cable exit gate plug

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shell Size	Cable O.D. (max.)	Price Each 1	10	100
Box and Lid, Straight / 90° Exit, Black Thermoplastic						
571-2074671	H	1	.25"	1.72	1.55	1.38
571-2074701	H	2	.325"	2.11	1.90	1.69
571-2073451	I	3	.50"	2.16	1.95	1.73
† 571-2074731	I	4	.675"	2.84	2.56	2.28
Box and Lid, Straight / 90° Exit w/ Male Screw Retainers						
571-2079081	H	1	.25"	2.00	1.80	1.60
571-2079084	H	2	.325"	2.48	2.24	2.00
571-2079087	I	3	.50"	2.25	2.03	1.80
† 571-12079080	I	4	.675"	3.32	2.99	2.66
Clam Shell, Straight / 45° Exit, Black Thermoplastic						
571-2057291	J	1	.256"	1.59	1.43	1.27
571-2057301	J	2	.320"	2.46	2.21	1.97
571-2057181	J	3	.420"	1.45	1.31	1.16
571-2057311	J	4	.490"	3.08	2.77	2.62
2 Piece Gray Nylon Housing						
571-2064711	K	2	.350"	3.10	2.79	2.48
571-2064721	K	3	.335"	2.32	2.09	1.86
571-7450811	K	4	.675"	3.24	2.92	2.60
571-7450821	K	5	.775"	3.38	3.05	2.71

† 90° Cable O.D.: .50" max.

Straight Exit RFI/EMI Shields for Jacketed Cable

- Metal-Plated Plastic Shield: Thermoplastic, plated nickel over copper.
- Die Cast Shield: Zinc alloy, plated bright nickel over bright copper.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shell Size	Cable O.D. (max.)	Price Each 1	10	100
Metal Plated Plastic Shield Kits						
571-7458543	L	1	.25"	2.54	2.29	2.03
571-7458541	L	1	.37"	2.80	2.52	2.24
571-7470993	L	2	.38"	2.74	2.47	2.20
571-7458337	L	3	.35"	2.92	2.63	2.34
571-7458335	L	3	.43"	4.64	4.18	3.95
Die Cast Shield Kits						
571-7451711	L	1	.25"	3.86	3.48	3.09
571-7451722	L	2	.30"	4.94	4.45	3.95
571-7451733	L	3	.43"	4.08	3.67	3.26
571-7451744	L	4	.43"	5.52	4.97	4.42
571-7451743	L	4	.50"	6.97	6.26	5.92
571-7451751	L	5	.75"	7.14	6.43	5.72
Die Cast Shield Kits with Grommets						
571-7486761	L	1	.32"	3.68	3.31	2.95
571-7486762	L	2	.32"	3.68	3.31	3.25
571-748676-3	L	3	.47"	3.82	3.43	3.06
571-7486764	L	4	.47"	5.52	4.97	4.42
571-7486765	L	5	.47"	9.25	8.32	7.85

HDP-20, ENCLOSURE KITS

Each kit contains: connector, inner shield, outer shield, enclosure, and t
jackscrews. Contacts and Ferrules must be ordered separately.

- Connector shell and shields: steel, tin plated
- Enclosure: PVC
- Connector insert: UL 94V-0 black thermoplastic

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Fig.	Shell Size	No. of Pos.	Price Each 1	10	10
Plug Kit						
571-747952-1	M	1	9	4.30	3.87	3.6
571-7479561	M	3	25	5.66	5.10	4.8
Receptacle Kit						
571-7479511	N	1	9	4.72	4.25	4.0
571-7479551	N	3	25	5.58	5.03	4.7

SERIES 109 CONNECTORS
(FOR MIL-C-24308)

- Shell: steel, cadmium plated
- Standard Mount

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Fig.	Shell Size	No. of Pos.	Price Each 1	10	10
Plugs						
571-2051621	O	1	9	4.20	3.78	3.5
571-2051641	O	2	15	6.28	5.65	5.0
571-205166-1	O	3	25	6.97	6.27	5.9
571-2051681	O	4	37	9.22	8.30	7.8
Receptacles						
571-2051611	P	1	9	5.48	4.94	4.4
571-2051631	P	2	15	6.28	5.65	5.0
571-2051651	P	3	25	3.12	2.81	2.6
571-2051671	P	4	37	8.86	7.97	7.5

Connector Contacts for Series 109 Connectors

- Wire Size: 20-24 awg

Use insertion/extraction tool 571-910672

For quantities of 5000 and up, call for q

MOUSER STOCK NO.	Fig.	Type	Price Each 1	100	10
571-2050891	Q	Pin	.31	.28	
571-2050901	Q	Socket	.37	.34	

Tools

For quantities of 2 and up, call for q

MOUSER STOCK NO.	Description	Pri Ea
571-6019665	Positioner for series 109	147
571-6019661	Crimp Tool	581

XED MACHINED SOLDER CUP CONTACTS

terials:
hells: Steel yellow chromate over zinc
ontact: Brass
ontact Plating: Gold
sulator: Black Thermoplastic, UL94V0

Specifications:
- Temperature Range: -67°F to 185°F
- Current Rating: 7.5A
- Voltage Rating: 300V
- Max Wire: 20 AWG.

Standards:
- UL File: E119881
- MIL C24308

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Pins	Type	Price Each			
					1	10	50	100
23-17-DE09P	17-DE09P	A	9	Male	2.25	1.94	1.76	1.62
23-17-DE09S	17-DE09S	A	9	Female	2.95	2.58	2.40	2.25
23-17-DA15P	17-DA15P	A	15	Male	3.05	2.61	2.39	2.22
23-17-DA15S	17-DA15S	A	15	Female	3.50	3.27	2.75	2.59
23-17-DB25P	17-DB25P	A	25	Male	3.45	3.18	2.72	2.51
23-17-DB25S	17-DB25S	A	25	Female	4.95	4.36	3.95	3.72
23-17-DC37P	17-DC37P	A	37	Male	8.90	7.56	6.95	6.61
23-17-DC37S	17-DC37S	A	37	Female	11.98	10.54	10.01	9.51
23-17-DD50P	17-DD50P	A	50*	Male	11.27	10.25	9.74	9.45
23-17-DD50S	17-DD50S	A	50*	Female	15.83	14.40	13.82	13.26

0 Position D-Subs have 3 Rows of Contacts

XED PRECISION-FORMED SOLDER CUP CONTACTS

terials:
hells: Steel yellow chromate over zinc
ontact: Brass
ontact Plating: Gold
sulator: Black Thermoplastic, UL94V0

Specifications:
- Temperature Range: -67°F to 185°F
- Current Rating: 7.5A
- Voltage Rating: 300V
- Max Wire: 20 AWG.

Standards:
- UL File: E149426
- MIL C24308 - NFC93425 - HE5

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Pins	Type	Price Each			
					1	10	50	100
523-17S-DE09P	17S-DE09P	A	9	Male	1.59	1.44	1.24	.96
523-17S-DE09S	17S-DE09S	A	9	Female	1.10	.93	.80	.70
523-17S-DA15P	17S-DA15P	A	15	Male	1.20	1.05	.95	.76
523-17S-DA15S	17S-DA15S	A	15	Female	.85	.74	.61	.55
523-17S-DB25P	17S-DB25P	A	25	Male	1.79	1.57	1.40	1.32
523-17S-DB25S	17S-DB25S	A	25	Female	1.25	1.05	.88	.75
523-17S-DC37P	17S-DC37P	A	37	Male	2.45	2.23	1.97	1.76
523-17S-DC37S	17S-DC37S	A	37	Female	2.69	2.43	2.15	2.04
523-17S-DD50P	17S-DD50P	A	50*	Male	4.75	4.10	3.50	3.15
523-17S-DD50S	17S-DD50S	A	50*	Female	4.95	4.42	3.98	3.36

50 Position D-Subs have 3 Rows of Contacts

IXED MACHINED CONTACT PCB MOUNT

aterials:
Shells: Steel yellow chromate over zinc
Contact: Brass
Contact Plating: Gold
nsulator: Black Thermoplastic, UL94V0

Specifications:
- Temperature Range: -67°F to 185°F
- Current Rating: 7.5A
- Voltage Rating: 300V
- PCB Pins: .024" Dia. and .124" Length

Standards:
- UL File: E119881
- MIL C24308

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Pins	Type	Price Each			
					1	10	50	100
523-17-DE09P-U	17-DE09P-U	B	9	Male	3.93	3.57	3.39	3.27
523-17-DE09S-U	17-DE09S-U	B	9	Female	4.63	4.22	3.99	3.86
523-17-DA15P-U	17-DA15P-U	B	15	Male	4.69	4.38	4.08	3.75
523-17-DA15S-U	17-DA15S-U	B	15	Female	5.41	4.92	4.67	4.52
523-17-DB25P-U	17-DB25P-U	B	25	Male	5.56	5.17	4.96	4.80
523-17-DB25S-U	17-DB25S-U	B	25	Female	7.25	6.60	6.27	6.08
523-17-DC37P-U	17-DC37P-U	B	37	Male	10.68	9.61	9.08	8.55
523-17-DC37S-U	17-DC37S-U	B	37	Female	11.98	10.90	10.35	10.04
523-17-DD50P-U	17-DD50P-U	B	50*	Male	12.70	11.56	10.98	10.64
523-17-DD50S-U	17-DD50S-U	B	50*	Female	16.75	15.41	14.79	14.11

50 Position D-Subs have 3 Rows of Contacts

IXED MACHINED CONTACT WIRE WRAP TERMINATION

terials:
Shells: Steel yellow chromate over zinc
Contact: Brass
Contact Plating: Gold
nsulator: Black Thermoplastic, UL94V0

Specifications:
- Temperature Range: -67°F to 185°F
- Current Rating: 7.5A
- Voltage Rating: 300V
- PCB Pins: .031" Dia. and .387" Length

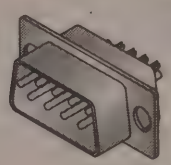
Standards:
- UL File: E119881
- MIL C24308

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Pins	Type	Price Each			
					1	10	50	100
23-17-DE09P-F179	17-DE09P-F179	C	9	Male	8.81	7.99	7.61	7.38
23-17-DE09S-F179	17-DE09S-F179	C	9	Female	9.34	8.50	8.07	7.82
23-17-DA15P-F179	17-DA15P-F179	C	15	Male	9.48	8.78	8.51	8.25
23-17-DA15S-F179	17-DA15S-F179	C	15	Female	10.78	9.54	9.15	8.96
23-17-DB25P-F179	17-DB25P-F179	C	25	Male	11.72	10.65	10.11	9.81
23-17-DB25S-F179	17-DB25S-F179	C	25	Female	13.20	12.01	11.40	11.00
23-17-DC37P-F179	17-DC37P-F179	C	37	Male	16.37	15.06	14.15	13.12
23-17-DC37S-F179	17-DC37S-F179	C	37	Female	18.78	17.54	16.66	15.98
23-17-DD50P-F179	17-DD50P-F179	C	50*	Male	19.98	18.63	18.25	17.70
23-17-DD50S-F179	17-DD50S-F179	C	50*	Female	18.97	17.30	16.44	15.90

0 Position D-Subs have 3 Rows of Contacts

A



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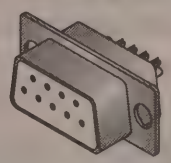
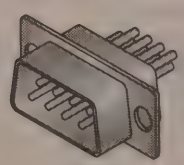
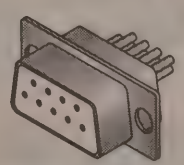


Female Receptacle

B

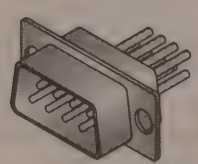


Male Plug

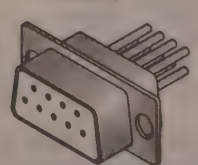


Female Receptacle

C



Male Plug



Female Receptacle

RIGHT ANGLE CONNECTORS (.318" FOOTPRINT)

Materials:
- Shells: Steel yellow chromate over zinc
- Contact: Brass
- Contact Plating: 30µ" Gold over 50µ" Nickel
- Insulator: Black Thermoplastic, UL94V0
- Split Arrowhead Boardlocks

Specifications:
- Temperature Range: -67°F to 221°F
- Current Rating: 5A
- Voltage Rating: 300V
- 4-40 Threaded Mounting Hole

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Pins	Type	Price Each			
					1	10	50	100
523-617-C009P-AJ121	617-C009P-AJ121	A	9	Male	1.59	1.43	1.28	1.20
523-617-C009S-AJ120	617-C009S-AJ120	A	9	Female	1.49	1.35	1.18	1.11
523-617-C015P-AJ121	617-C015P-AJ121	A	15	Male	2.25	2.11	1.84	1.67
523-617-C015S-AJ120	617-C015S-AJ120	A	15	Female	2.15	2.03	1.75	1.52
523-617-C025P-AJ121	617-C025P-AJ121	A	25	Male	2.75	2.48	2.31	2.18
523-617-C025S-AJ120	617-C025S-AJ120	A	25	Female	2.70	2.38	2.16	2.03
523-617-C037P-AJ121	617-C037P-AJ121	A	37	Male	4.25	3.69	3.54	3.25
523-617-C037S-AJ120	617-C037S-AJ120	A	37	Female	3.71	3.39	3.08	2.90

HIGH DENSITY SOLDER CUP

Materials:
- Shells: Steel, tin plated
- Contact: Brass
- Contact Plating: Gold Flash
- Insulator: Black Thermoplastic, UL94V0

Specifications:
- Temperature Range: -67°F to 221°F
- Current Rating: 3A
- Voltage Rating: 125V
- Max Wire: 24 AWG.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Pins	Type	Price Each			
					1	10	50	100
523-015P-AA000	17HD-015P-AA000	B	15	Male	1.39	1.17	.98	.82
523-015S-AA000	17HD-015S-AA000	B	15	Female	1.50	1.26	1.13	.96
523-026P-AA000	17HD-026P-AA000	B	26	Male	2.54	2.23	1.97	1.65
523-026S-AA000	17HD-026S-AA000	B	26	Female	2.79	2.30	2.15	1.81
523-044P-AA000	17HD-044P-AA000	B	44	Male	2.56	2.24	2.05	1.83
523-044S-AA000	17HD-044S-AA000	B	44	Female	3.25	2.79	2.55	2.10
523-062P-AA000	17HD-062P-AA000	B	62	Male	3.62	3.29	2.86	2.58
523-062S-AA000	17HD-062S-AA000	B	62	Female	3.89	3.52	2.97	2.81
523-078P-AA000	17HD-078P-AA000	B	78	Male	5.59	5.06	4.39	3.65
523-078S-AA000	17HD-078S-AA000	B	78	Female	6.16	5.48	4.88	4.48

DUST COVERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	D-Sub Size	Type	Price Each			
					1	10	25	100
523-17D4K63010	17D4K63010	C	9	Metal Dust Cap For Receptacle	2.48	2.15	1.94	1.88
523-17D4K63016	17D4K63016	C	15	Metal Dust Cap For Receptacle	2.37	2.01	1.81	1.54
523-17D4K63026	17D4K63026	C	25	Metal Dust Cap For Receptacle	2.54	2.16	1.94	1.65
523-17D4K63110	17D4K63110	C	9	Metal Dust Cap For Plug	1.97	1.67	1.51	1.34
523-17D4K63116	17D4K63116	C	15	Metal Dust Cap For Plug	2.05	1.75	1.58	1.42
523-17D4K63126	17D4K63126	C	25	Metal Dust Cap For Plug	2.15	1.94	1.65	1.48

PLASTIC BACKSHELLS 2-PIECE DESIGN

Features:
- Fits most standard and high-density D-Subs
- Split Grommets

Specifications:
- Housing: Styrene (UL94V0)
- Grommets: Polypropylene
- Hardware: Steel, clear zinc finish

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	D-Sub Size	Type	Price Each			
					1	10	50	100
523-17-1724-1	17-1724-1	D	9	Plastic	1.53	1.37	1.29	1.10
523-17-1725-1	17-1725-1	D	15	Plastic	1.69	1.47	1.39	1.25
523-17-1726-1	17-1726-1	D	25	Plastic	1.88	1.67	1.55	1.38
523-17-1727-1	17-1727-1	D	37	Plastic	2.10	1.88	1.75	1.57
523-17-1728-1	17-1728-1	D	50	Plastic	2.61	2.38	2.16	1.99

PLATED PLASTIC BACKSHELLS 2-PIECE DESIGN

Features:
- Fits most standard and high-density D-Subs
- Meets FCC 20780 Requirements
- Plated shell provides EMI/RFI shielding

Specifications:
- Housing: ABS Polymer
- Grommets: PVC (UL 94 V0)
- Plating: Nickel over copper
- Hardware: Steel, clear zinc finish

For quantities of 250 and up, call for quote.

523-17-1724-2	17-1724-2	D	9	Metallized	2.75	2.60	2.30	2.03
523-17-1725-2	17-1725-2	D	15	Metallized	2.90	2.68	2.39	2.11
523-17-1726-2	17-1726-2	D	25	Metallized	3.15	2.84	2.61	2.25
523-17-1727-2	17-1727-2	D	37	Metallized	4.68	4.29	3.83	3.50
523-17-1728-2	17-1728-2	D	50	Metallized	5.72	5.41	4.90	4.86

METAL BACKSHELLS 2-PIECE DESIGN

Features:
- Fits most standard and high-density D-Subs
- Meets FCC 20780 Requirements
- All metal shell provides EMI/RFI shielding and durability

Specifications:
- Housing: Die cast zinc
- Grommets: PVC (UL 94 V0)
- Hardware: Steel, clear zinc finish

For quantities of 250 and up, call for quote.

523-17-1657-09	17-1657-09	E	9	Metal	3.87	3.51	3.14	2.94
523-17-1657-15	17-1657-15	E	15	Metal	3.78	3.35	3.25	2.98
523-17-1657-25	17-1657-25	E	25	Metal	4.49	4.25	4.07	3.66
523-17-1657-37	17-1657-37	E	37	Metal	5.67	5.45	5.10	4.74

SCREW LOCK ASSEMBLIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Description	Price Per Pack		
			1	10	50
523-17-D20419-X	17-D20419-X	#4-40 Male for 9, 15, 25, & 37 D-Sub, 10 pack	2.72	2.25	2.10
523-17-D20420-X	17-D20420-X	#4-40 Male for 50 D-Sub, 10 pack	5.56	4.65	4.11
523-17-D20418-2-X	17-D20418-2-X	#4-40 Female Standoff, 10 pack	3.36	2.99	2.45

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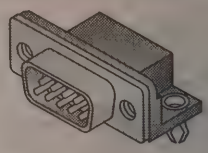
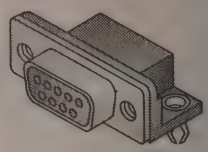
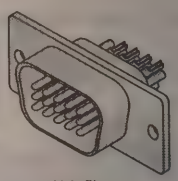


Male Plug

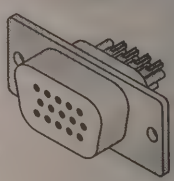


Female Receptacle

B

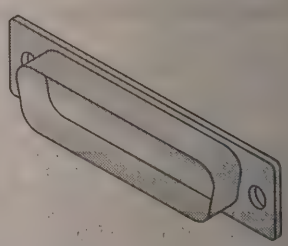


Male Plug



Female Receptacle

C



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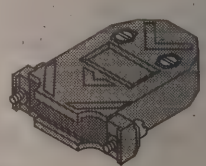

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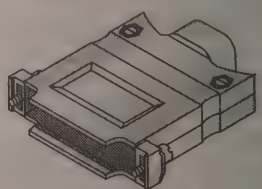


CINCH

KL SERIES STRAIGHT 0.109" DENSITY METAL SHELL

ures:
B mount
al Shell provides grounding and shielding capability
es with industry compatible connectors
Recognized: File E130965 (UL1863)
A Approved: File LR97981
nomy Version
th grounding indents.

Specifications:
- Socket contact material: Phosphor bronze (stamped)
- Plug contact material: Brass (stamped)
- Insulator Material: Glass-filled polyester (black)
- Contact plating: Gold flash over Nickel plating in mating area and tin/lead on tails
- Operating temperature: -55°C to +125°C
- Withstanding voltage: minimum AC 1000V RMS @ sea level

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	No. of Contacts	Price Each 1	25	50	100
38-DEKL9PUTI	DEKL-9PUTI	A	Plug	9	.71	.63	.56	.47
38-DEKL-9SUT	DEKL-9SUT	B	Socket	9	.60	.51	.49	.47
38-DAKL-15PUTI	DAKL-15PUTI	A	Plug	15	.67	.65	.62	.60
38-DAKL-15SUT	DAKL-15SUT	B	Socket	15	.81	.69	.61	.58
38-DBKL25PUTI	DBKL-25PUTI	A	Plug	25	1.09	.92	.83	.76
38-DBKL25SUT	DBKL-25SUT	B	Socket	25	.95	.80	.71	.69

U SERIES 0.109" DENSITY METAL SHELL

ures:
mp and Poke Machined contacts supplied loose with connector
mmercial grade metal shell connectors intermate with all existing D-subs
omparable pin contacts
h .120 mounting holes
e with 20-24 AWG wire
Recognized: Files E170218 (UL1977) & E130965 (UL1863)
A Approved: File LR31996

Specifications:
- Plug and Socket contact material: copper alloy
- Insulator Material: Glass-filled nylon, black
- Connector shell: steel with zinc plating and yellow chromate finish
- Operating temperature: -65°C to +125°C
- Withstanding voltage: minimum 1000V RMS @ sea level

Connectors with Machined Contacts

For quantities of 200 and up, call for quote.

38-DEU9P	DEU-9P	C	Plug	9	3.75	3.27	2.95	2.85
38-DEU9S	DEU-9S	D	Socket	9	4.63	4.24	3.82	3.57
38-DAU15P	DAU-15P	C	Plug	15	4.94	4.53	4.10	3.97
38-DAU-15S	DAU-15S	D	Socket	15	6.82	6.26	5.64	5.27
38-DBU25P	DBU-25P	C	Plug	25	7.32	6.71	6.11	5.92
38-DBU25S	DBU-25S	D	Socket	25	10.66	9.48	8.53	8.00
38-DCU37P	DCU-37P	C	Plug	37	9.47	8.93	8.66	8.39
38-DCU-37S	DCU-37S	D	Socket	37	15.18	13.49	12.14	11.36

Connectors - Contacts Not Included (Listed Below)

For quantities of 200 and up, call for quote.

38-DEU-9P-FO	DEU-9P-FO	C	Plug	9	1.81	1.47	1.32	1.18
38-DEU-9S-FO	DEU-9S-FO	D	Socket	9	1.81	1.47	1.32	1.18
38-DAU-15P-FO	DAU-15P-FO	C	Plug	15	1.87	1.53	1.38	1.24
38-DAU-15S-FO	DAU-15S-FO	D	Socket	15	1.40	1.32	1.28	1.24
38-DBU-25P-FO	DBU-25P-FO	C	Plug	25	2.14	1.75	1.58	1.41
38-DBU-25S-FO	DBU-25S-FO	D	Socket	25	1.91	1.56	1.41	1.27

chined Crimp & Poke Contacts

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Price Each 1	100
38-030-1952-000	030-1952-000	E	Pin	.27	.23
38-0301953000	030-1953-000	F	Socket	.41	.35

Stamped Crimp & Poke Contacts

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Price Each 1	100
538-0301960005	030-1960-005	G	Pin	.23	.19
538-0301957005	030-1957-005	H	Socket	.33	.27

ASIC-D SERIES 0.109" DENSITY METAL SHELL - PCB

tures:
h .120 mounting holes
mped contacts
B

Specifications:
- Insulator Material: Glass-filled polyester, white
- Connector shell: Steel with zinc plating and yellow chromate finish
- Contact Material: Copper alloy
- Contact plating: Gold flash over nickel
- Tail length: .375"
- Operating temperature: -65°C to +125°C
- Withstanding voltage: minimum 1250V RMS @ sea level

der Pot Contacts With Shell

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	No. of Contacts	Price Each 1	25	50	100
38-DE-9P	DE-9P	I	Plug	9	2.01	1.96	1.80	1.74
38-DE9S	DE-9S	J	Socket	9	2.18	2.00	1.94	1.88
38-DA-15P	DA-15P	I	Plug	15	3.58	3.40	3.22	2.97
38-DA-15S	DA-15S	J	Socket	15	5.78	5.04	4.53	3.78
38-DB-25P	DB-25P	I	Plug	25	2.57	2.43	2.35	2.28
38-DB25S	DB-25S	J	Socket	25	3.63	3.41	3.29	3.18
38-DC-37P	DC-37P	I	Plug	37	5.66	5.19	4.81	4.45
38-DC-37S	DC-37S	J	Socket	37	10.14	8.87	7.89	7.10
38-DD-50P	DD-50P	I	Plug	50	7.56	7.06	6.35	5.89
38-DD-50S	DD-50S	J	Socket	50	11.64	10.35	9.31	8.99

re Wrap

For quantities of 200 and up, call for quote.

38-DE9PF179	DE9PF179	I	Plug	9	4.07	3.55	3.19	3.01
38-DE9SF179	DE9SF179	J	Socket	9	5.25	4.95	4.80	4.65
38-DA15PF179	DA15PF179	I	Plug	15	5.08	5.05	4.68	4.31
38-DA15SF179	DA15SF179	J	Socket	15	6.88	6.68	6.20	5.93
38-DB25PF179	DB25PF179	I	Plug	25	9.82	8.71	7.82	6.52
38-DB25SF179	DB25SF179	J	Socket	25	11.48	10.32	9.49	8.78

ERIES 1 HIGH-RELIABILITY

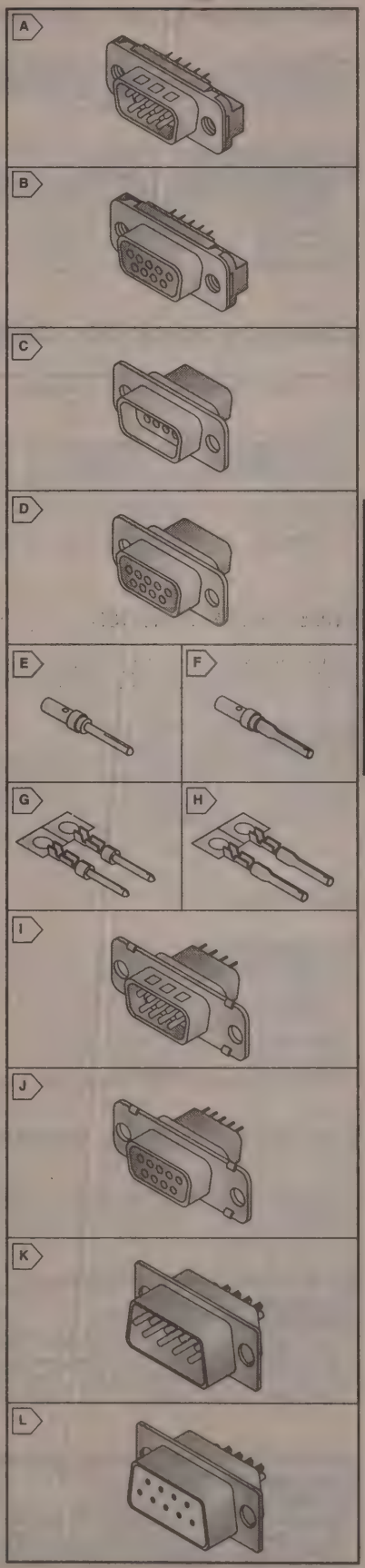
tures:
onoblock green diallyl phthalate insulator for improved electrical performance
achined contacts for precision performance
ith .120 mounting holes
ill accommodate up to 20 AWG wire
Recognized: Files E170218 (UL 1977) & E130965 (UL 1863)
SA Approved: File LR31996

Specifications:
- Insulator: Glass-filled diallyl phthalate (green)
- Connector shell: steel with zinc plating and yellow chromate finish
- Plug contact material: brass
- Socket contact material: phosphor bronze
- Operating temperature: -65°C to +125°C
- Withstanding voltage: minimum 1250V RMS @ sea level

tal Shell With Solder Cup Terminals

For quantities of 200 and up, call for quote.

38-DEM9P	DEM9P	K	Plug	9	5.99	5.50	4.94	4.12
38-DEM9S	DEM9S	L	Socket	9	8.00	7.27	6.66	5.71
38-DAM15P	DAM15P	K	Plug	15	7.58	6.74	6.07	5.51
38-DAM15S	DAM15S	L	Socket	15	12.53	11.72	10.55	8.79
38-DBM25P	DBM25P	K	Plug	25	12.98	12.13	10.92	9.11
38-DBM25S	DBM25S	L	Socket	25	15.65	14.08	12.80	11.74
38-DCM37P	DCM37P	K	Plug	37	16.18	14.38	12.94	11.77
38-DCM37S	DCM37S	L	Socket	37	27.80	26.48	23.84	19.87



DEEP STRAIGHT CLAMP JUNCTION SHELL

Materials:

- Shell Material: Zinc plated low carbon steel with yellow chromate finish
- Clamp & Screw: Zinc-plated steel with yellow chromate finish
- Stop Nut: Zinc-plated brass with yellow chromate finish

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Shell Size	Price Each		
				1	25	50
538-DE-24657	DE-24657	A	9	4.39	4.04	3.64
538-DA24658	DA-24658	A	15	3.51	3.22	2.93
538-DB24659	DB-24659	A	25	2.87	2.63	2.39
538-DC24660	DC-24660	A	37	3.00	2.75	2.50
538-DD-24661	DD-24661	A	50	4.30	3.77	3.39

COMMERCIAL SCREW LOCK ASSEMBLIES

Two screwlocks are required per connector. Female screwlocks consist of one #4-40 screw, two flat washers, one lockwasher, and one #4-40 nut. Male screwlocks consists of one #4-40 slotted screw and a spring tension clip.

* Indicates Use With Junction Shells (P = Plug; S= Socket)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Use with Shell Size	Price Each		
					1	25	50
538-D20418-2	D20418-2	B	Female Screwlocks	9,15,25,37,50 (P&S)	1.06	.88	.79
538-D20419-0	D20419-0	C	Male Screwlocks	9,15(P&S); 25,37(S ONLY)	.58	.48	.43
*538-D20419-16	D20419-16	C	Male Screwlocks	9,15(S ONLY); 25,37(P&S)	1.01	.85	.76
538-D20420-0	D20420-0	C	Male Screwlocks	50 (S ONLY)	.81	.68	.63

SLIDE LOCK ASSEMBLIES

Consists of the lock retainer plate, two screws, 2 washers, and two nuts. Two lock posts, part # D-53018, are required to fit into the mounting holes of the mating connectors, must be ordered separately. Compatible with all Cinch metal shell D-sub connectors Compatible with all Cinch Backshells, Hoods, and Junction Shells except D*H Series, SDH Series, and Phenolic hood.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Use with Shell Size	Dimensions: In. (mm)			Price Each		
					A	B	C	1	25	50
538-DE-51224-1	DE-51224-1	D	Assembly for Shell Size E	9	1.442 (36.63)	.500 (12.70)	.984 (24.99)	1.28	1.20	1.17
538-DA512201	DA-51220-1	D	Assembly for Shell Size A	15	1.770 (44.96)	.500 (12.70)	1.312 (33.27)	1.21	1.14	1.10
538-DB-51221-1	DB-51221-1	D	Assembly for Shell Size B	25	2.293 (58.24)	.500 (12.70)	1.852 (47.04)	1.33	1.25	1.22
538-D-53018	D-53018	-	Lock post - required for parts above	-	-	-	-	.74	.63	.60

DUST CAPS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Color	Use with Shell Size	Price Each		
						1	25	50
538-DE-60-20	DE-60-20	E	Plug Dust Cap	Black	9	1.45	1.31	1.18
538-DE-59-20	DE-59-20	E	Socket Dust Cap	Black	9	1.79	1.31	1.18
538-DA-60-20	DA-60-20	E	Plug Dust Cap	Black	15	1.61	1.31	1.18
538-DA-59-20	DA-59-20	E	Socket Dust Cap	Black	15	1.40	1.28	1.08
538-DB-60-20	DB-60-20	E	Plug Dust Cap	Black	25	1.41	1.28	1.16
538-DB-59-20	DB-59-20	E	Socket Dust Cap	Black	25	1.71	1.28	1.16

STRAIGHT BACKSHELLS - TWO-PIECE D*H SERIES

Fits Standard and High Density D-Subminiature Connectors. Backshell includes hardware: 4-40 screws, hex nuts 4-40 mounting bracket and grommets to accommodate most cable sizes and function as strain reliefs. Backshells are individually bagged. Slide locks may not be used with these backshells. Optional thumbscrew for backshells must be ordered separately if required.

Two-Piece Plastic and Metalized Backshells

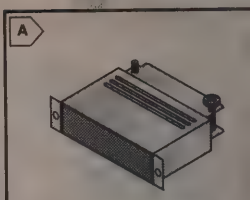
For quantities of 100 and up, call for quote.

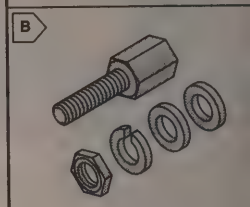
MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Conn Contacts Std/ 1.5 Density	Dimensions: In. (mm)		Price Each		
					A	B	1	25	50
538-DCHB001	DCH-B-001	F	Metalized Plastic, Cable Dia .230-.450"	25/44	2.090 (53.09)	1.570 (39.88)	3.37	3.09	3.01
538-DCHE001	DCH-E-001	F	Metalized Plastic, Cable Dia .210-.350"	9/15	1.225 (31.12)	1.465 (37.21)	2.78	2.62	2.54
538-DPHB001	DPH-B-001	F	Plastic, Cable Dia .230-.450"	25/44	2.090 (53.09)	1.570 (39.88)	2.56	2.25	2.03
538-DPHE001	DPH-E-001	F	Plastic, Cable Dia .210-.320"	9/15	1.225 (31.12)	1.465 (37.21)	1.70	1.60	1.55

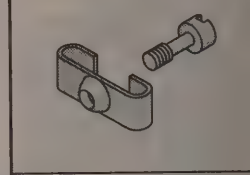
Two-Piece Diecast EMI/RFI Shielded Backshells

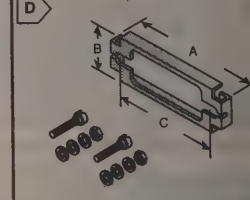
For quantities of 100 and up, call for quote.

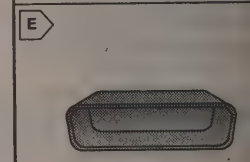
MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Conn Contacts Std/ 1.5 Density	Dimensions: In. (mm)		Price Each		
					A	B	1	25	50
538-DMHE001	DMH-E-001	G	Diecast Metal, Cable Dia .210-.320"	9/15	1.225 (31.12)	1.465 (37.21)	3.71	3.50	3.39
538-DMH-B-001	DMH-B-001	H	Diecast Metal, Cable Dia .230-.450"	25/44	2.090 (53.09)	1.570 (39.88)	4.55	4.29	4.16
538-4-40-THMB-1	4-40-THMB-1	-	Screw, 2 each required per backshell	-	-	-	.36	.34	.33

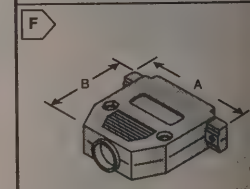


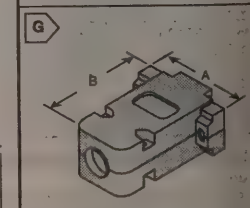


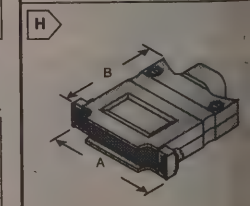






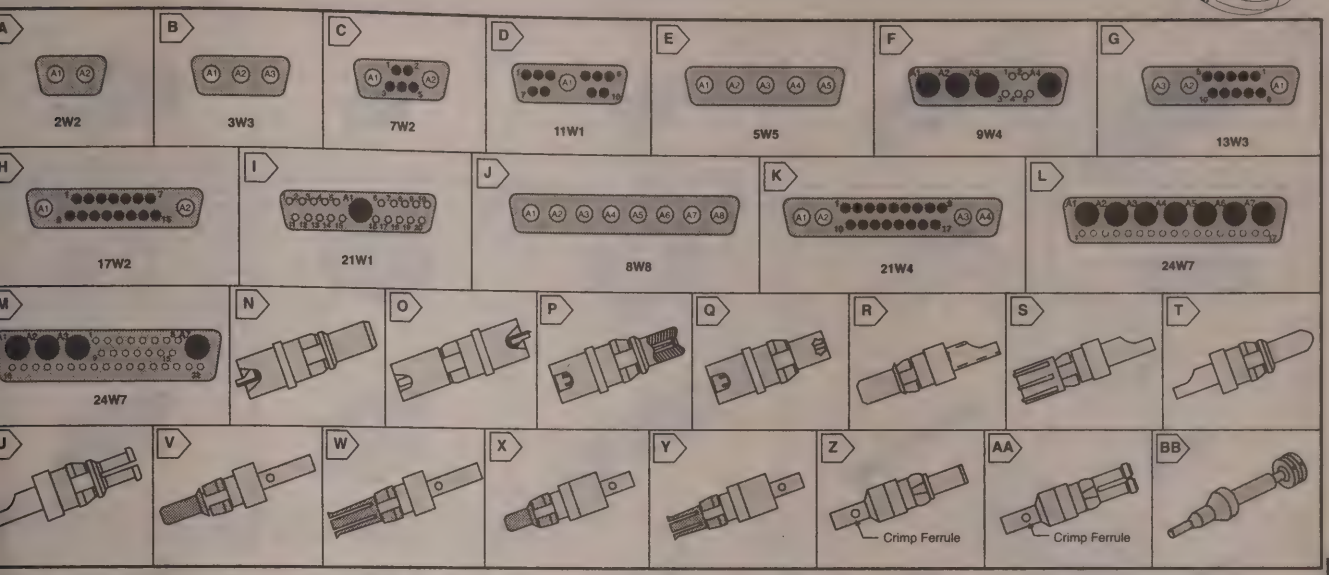






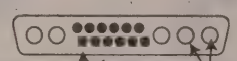
MOUSER ELECTRONICS a tti company (800) 346-6873

FCT ELECTRONICS Mixed D-Subminiature Connectors



-SUB MIXED CONTACT CONNECTOR HOUSINGS

ese D-subminiature connectors have added versatility and nvenience of mixed contact arrangements. This allows coaxial and/or wer contacts to be combined with standard signal contacts in a single using. These connectors have non-removable, size 20 signal ntacts. They are available in nine contact configurations,male and nale, and four shell sizes. To order, select the shell size and contact angement that best suits your application from the layouts. Order the ional 50 ohm or 75 ohm coaxial contacts for your high speed data or high voltage or high power contacts for your power requirements. mbinations can be created using all three contacts resulting in a stom designed connector unique to your application.



Contact Arrangements

atures:
- Standard D-sub shell
- Housings plug with grounding indents
- Non-removable size 20 signal contacts
- Choice of standard signal contacts and/or power contacts

Specifications:
- Flammability rating: UL 94V-0
- Temperature rating: -55°C to +155°C
- Contact/contact resistance: 500 megohm
- Plating: tin

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	No. of Pos.	Type	Arrangement	Price Each 1	10	100	500
152-FM2W2PC	FM2W2PC	A	9	Plug	2W2	1.97	1.71	1.47	1.24
152-FM2W2SC	FM2W2SC	A	9	Plug	2W2	1.94	1.68	1.44	1.22
152-FM3W3P	FM3W3P	B	15	Plug	3W3	1.66	1.36	1.22	1.10
152-FM3W3S	FM3W3S	B	15	Socket	3W3	1.60	1.31	1.18	1.06
152-F3W3PC	F3W3PC	B	15	Plug	3W3	1.38	1.19	1.02	.87
152-F3W3SC	F3W3SC	B	15	Socket	3W3	1.40	1.21	1.04	.88
152-FM7W2P	FM7W2P	C	15	Plug	7W2	3.23	2.65	2.38	2.14
152-FM7W2S	FM7W2S	C	15	Socket	7W2	3.70	3.02	2.72	2.45
152-FM11W1P	FM11W1P	D	15	Plug	11W1	4.54	3.72	3.34	3.01
152-FM11W1S	FM11W1S	D	15	Socket	11W1	4.91	4.37	3.95	3.55
152-FM5W5P	FM5W5P	E	25	Plug	5W5	1.91	1.75	1.62	1.48
152-FM5W5S	FM5W5S	E	25	Socket	5W5	1.58	1.30	1.17	1.06
152-FM9W4P	FM9W4P-K120	F	25	Plug	9W4	3.78	3.27	2.82	2.39
152-FM9W4S	FM9W4S-K121	F	25	Socket	9W4	4.38	3.79	3.27	2.77
152-FM13W3P	FM13W3P	F	25	Plug	13W3	4.55	3.73	3.36	3.03
152-FM13W3S	FM13W3S	F	25	Socket	13W3	5.59	4.58	4.13	3.72
152-FM17W2P	FM17W2P	G	25	Plug	17W2	7.38	6.39	5.48	4.64
152-FM17W2S	FM17W2S	G	25	Socket	17W2	8.46	7.58	6.51	5.51
152-FM21W1P	FM21W1P-K120	I	25	Plug	21W1	8.17	7.07	6.09	5.15
152-FM21W1S	FM21W1S-K121	I	25	Socket	21W1	9.85	8.52	7.35	6.21
152-FM8W8P	FM8W8P	H	37	Plug	8W8	2.44	2.01	1.81	1.62
152-FM8W8S	FM8W8S	H	37	Socket	8W8	3.12	2.54	1.84	1.66
152-FM21WA4P	FM21WA4P	I	37	Plug	21W4	8.03	6.96	5.96	5.06
152-FM21WA4S	FM21WA4S	I	37	Socket	21W4	10.11	8.77	7.49	6.38
152-FM24W7P	FM24W7P-K120	L	50	Plug	24W7	7.27	6.29	5.42	4.59
152-FM24W7S	FM24W7S-K121	L	50	Socket	24W7	9.37	8.11	6.99	5.91
152-FM36W4P	FM36W4P-K120	M	50	Plug	36W4	11.89	10.29	8.87	7.50
152-FM36W4S	FM36W4S-K121	M	50	Socket	36W4	14.65	12.68	10.93	9.25

Coded

IGH VOLTAGE CONTACTS

pecifications:
- Current Rating: 2 Amps For 20 AWG Wire
- Plating: 50 µ" Gold
- Operating Voltage: 2800V
- Breakdown Voltage: 3800V
- Temperature Range: -55°C to +125°C

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Description	Price Each 1	10	100	500
52-FMV1	FMV001P107K	N	Plug, solder cup	3.44	2.82	2.51	2.31
52-FMV3	FMV001S107K	O	Receptacle contact	2.56	2.22	1.92	1.67
52-FMV002P107K	FMV002P107K	P	Plug, R/A solder cup	7.87	6.81	5.87	4.96
52-FMV002S107K	FMV002S107K	Q	Socket, R/A solder cup	7.86	6.8	5.88	4.97

HIGH POWER CONTACTS

- Temperature Range:-55°C to +125°C
- Plating: 30 µ" Gold

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	AWG	Description	Price Each 1	10	100	500
Solder								
152-FMP005P103	FMP005P103	R	16-20	10A plug contact	1.73	1.49	1.28	1.08
152-FMP005S103	FMP005S103	S	16-20	10A socket contact	2.23	1.93	1.66	1.41
152-FMP006P103	FMP006P103	R	12-16	20A plug contact	1.84	1.59	1.66	1.16
152-FMP006S103	FMP006S103	S	12-16	20A socket contact	2.43	2.10	1.80	1.52
152-FMP007P103	FMP007P103	R	8-12	40A plug contact	1.94	1.68	1.44	1.22
152-FMP007S103	FMP007S103	S	8-12	40A socket contact	2.43	2.10	1.80	1.53
* 152-FMA026P103	FMA026P103	T	16-20	10A plug contact	1.66	1.44	1.24	1.05
* 152-FMA026S103	FMA026S103	U	16-20	10A socket contact	2.50	2.16	1.86	1.57
Crimp								
152-FMP002P103	FMP002P103	V	16-20	10A plug contact	2.08	1.79	1.54	1.30
152-FMP002S103	FMP002S103	W	16-20	10A socket contact	2.62	2.27	1.94	1.64
152-FMP003P103	FMP003P103	V	12-14	20A plug contact	2.23	1.93	1.66	1.41
152-FMP003S103	FMP003S103	W	12-14	20A socket contact	2.72	2.35	2.02	1.72
152-FMP004P103	FMP004P103	V	8-10	40A plug contact	2.27	1.95	1.68	1.42
152-FMP004S103	FMP004S103	W	8-10	40A socket contact	2.86	2.47	2.12	1.80

* Early make late break

COAXIAL CONTACTS

Specifications:
- Impedance: 50 Ohm or 75 Ohm
- Current Rating: 2 A Max.
- Plating: 30 µ" Gold
- Deep Drawn Ferrules
- Suitable Cables RG: 1=178BU,196AU,404U 2=174U,188AU,316U 3=316U Dbl. Braided 4=179BU,187AU

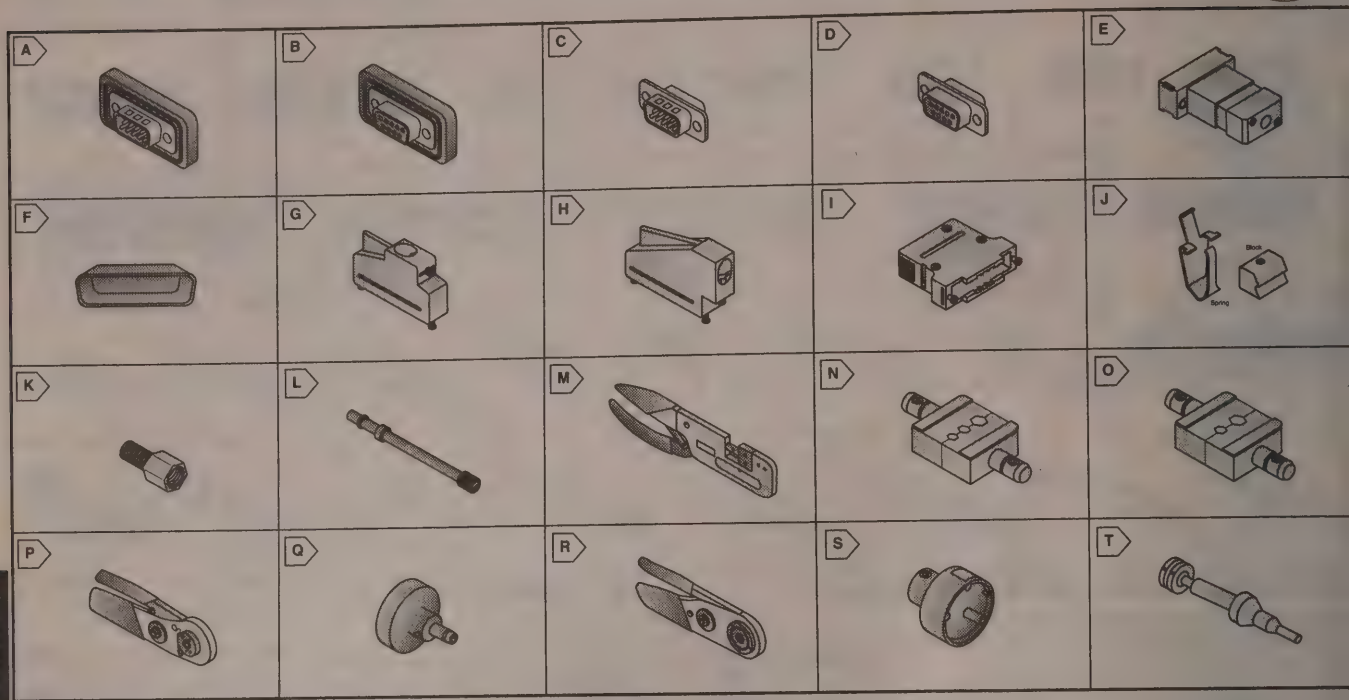
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Cable Size	Description	Price Each 1	10	100	500
50 Ohm Crimp/Solder								
152-FMX005P102	FMX005P102	X	1	plug contact	5.82	5.04	4.32	3.67
152-FMX005S102	FMX005S102	Y	1	socket contact	4.91	4.24	3.64	3.08
152-FMX006P102	FMX006P102	X	2	plug contact	4.44	3.84	3.31	2.80
152-FMX006S102	FMX006S102	Y	2	socket contact	5.15	4.46	3.82	3.24
50 Ohm Crimp/Crimp								
152-FMS001P102	FMS001P102	Z	2	plug contact	4.33	3.76	3.22	2.73
152-FMS001S102	FMS001S102	AA	2	socket contact	4.93	4.27	3.66	3.11
152-FMS006P102	FMS006P102	Z	3	plug contact	4.53	3.92	3.36	2.85
152-FMS006S102	FMS006S102	AA	3	socket contact	5.20	4.50	3.86	3.28
75 Ohm Crimp/Solder								
152-FMX003P102	FMX003P102	X	4	plug contact	5.39	4.67	4.00	3.39
152-FMX003S102	FMX003S102	Y	4	socket contact	4.61	3.99	3.42	2.90
75 Ohm Crimp/Crimp								
152-FMS002P102	FMS002P102	Z	4	plug contact	4.37	3.78	3.24	2.75
152-FMS002S102	FMS002S102	AA	4	socket contact	4.93	4.27	3.66	3.11

CONTACT EXTRACTION TOOL

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Description	Price Each
152-DRK38	DRK38	BB	for: Coaxial, high voltage, and high power	107.03



WATERPROOF D-SUB CONNECTORS

- Protection Standard: DIN 40050-IP 67
- Temperature Range: -13°F to + 158°F
- Current Rating: 5 Amp
- Plastic Watertight Frame
- UL Recognized

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	No. of Pos.	Gender	Price Each 1	10	100	500
Panel Mount								
152-FWDR09P	FWDR09P	A	9	Plug	13.23	11.47	9.85	8.68
152-FWDR09S	FWDR09S	B	9	Socket	13.88	12.03	10.34	8.73
152-FWDR15P	FWDR15P	A	15	Plug	24.18	20.93	17.94	15.21
152-FWDR15S	FWDR15S	B	15	Socket	24.37	21.09	18.08	15.33
152-FWDR25P	FWDR25P	A	25	Plug	26.25	22.72	19.48	16.51
152-FWDR25S	FWDR25S	B	25	Socket	26.49	22.93	19.67	16.67
Cable Mount								
152-F09P-K700	F09P-K700	C	9	Plug	10.26	8.89	7.62	6.47
152-F09S-K700	F09S-K700	D	9	Socket	11.15	9.66	8.28	7.02
152-F15P-K700	F15P-K700	C	15	Plug	12.64	10.94	9.38	7.95
152-F15S-K700	F15S-K700	D	15	Socket	14.09	12.20	10.46	8.87
152-F25P-K700	F25P-K700	C	25	Plug	18.03	15.61	13.39	11.34
152-F25S-K700	F25S-K700	D	25	Socket	20.50	17.76	15.23	12.91

WATERPROOF HOODS FOR D-SUB CONNECTORS

- Waterproof Per IP-67 With Above Cable Mount Connectors
- Straight Cable Outlet With Strain Relief

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	No. of Pos.	Shell Size	Color	Price Each 1	10	100	500
Non-Shielded									
152-FWH1E	FWH1E	E	9	1	Black	9.94	8.61	7.38	6.25
152-FWH2E	FWH2E	E	15	2	Black	12.45	10.78	9.24	7.83
152-FWH3E	FWH3E	E	25	3	Black	15.07	13.04	11.18	9.48
Shielded									
152-FWH1AE	FWH1AE	E	9	1	Silver	16.39	14.16	12.14	10.29
152-FWH2AE	FWH2AE	E	15	2	Silver	18.98	16.43	14.08	11.94
152-FWH3AE	FWH3AE	E	25	3	Silver	21.54	18.64	15.99	13.55

SPLASH COVERS FOR D-SUB CONNECTORS

Features: • Increases connector life

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Description	Gender	Price Each 1	10	100	500
152-1042-1P	F1042-1P	F	Fits 9 pin	Male	.55	.49	.44	.37
152-1042-1S	F1042-1S	F	Fits 9 pin	Female	.55	.49	.44	.37
152-1042-3P	F1042-3P	F	Fits 25 pin	Male	.55	.49	.44	.37
152-1042-3S	F1042-3S	F	Fits 25 pin	Female	.55	.49	.44	.37

D-SUB HOODS

Specifications:
- Color: Gray

(except Shielded Hoods)

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	FCT Part No.	Fig.	No. of Pos.	Shell Size	Description	Price Each 1	10	10
Plastic Hoods with Straight Outlets								
152-6009	F-PHG-1E	G	9	1	Plastic hood with straight outlet	2.02	1.73	1.5
152-6015	F-PHG-2E	G	15	2	Plastic hood with straight outlet	2.02	1.76	1.5
152-6025	F-PHG-3E	G	25	3	Plastic hood with straight outlet	2.15	1.75	1.6
152-6037	F-PHG-4E	G	37	4	Plastic hood with straight outlet	2.45	2.01	1.8
152-6050	F-PHG-5E	G	50	5	Plastic hood with straight outlet	2.54	2.25	1.9
Plastic Hoods with Side Outlets								
152-6109	F-PHR-1E	H	9	1	Plastic hood with side outlet	2.19	1.79	1.6
152-6115	F-PHR-2E	H	15	2	Plastic hood with side outlet	2.21	1.86	1.6
152-6125	F-PHR-3E	H	25	3	Plastic hood with side outlet	2.24	1.97	1.8
152-6137	F-PHR-4E	H	37	4	Plastic hood with side outlet	2.30	2.02	1.8
152-6150	F-PHR-5E	H	50	5	Plastic hood with side outlet	2.33	2.11	2.0
Plastic Hoods with Lockable Screws								
152-6209	FPHGR-1E	I	9	1	Plastic hood w/lockable screws	2.64	2.17	1.9
152-6215	FPHGR-2E	I	15	2	Plastic hood w/lockable screws	3.28	2.69	2.4
152-6225	FPHGR-3E	I	25	3	Plastic hood w/lockable screws	3.33	2.74	2.4
152-6250	FPHGR-5E	I	50	5	Plastic hood w/lockable screws	3.86	3.16	2.8
Shielded Hoods with Lockable Screws (Metallized Silver)								
152-4009	FPHGR-1AE	I	9	1	Shielded hood w/lockable screws	4.17	3.40	3.0
152-4015	FPHGR-2AE	I	15	2	Shielded hood w/lockable screws	4.76	3.90	3.5
152-4025	FPHGR-3AE	I	25	3	Shielded hood w/lockable screws	5.05	4.34	4.0
152-4037	FPHGR-4AE	I	37	4	Shielded hood w/lockable screws	6.58	5.41	4.8
152-4050	FPHGR-5AE	I	50	5	Shielded hood w/lockable screws	6.77	5.63	5.2

HARDWARE

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	FCT Part No.	Fig.	Description	Price Each 1	10	100	50
152-0003	FFB-1/5	J	Locking clamp spring	.54	.37	.31	.2
152-0004	F-GK1/5	J	Locking clamp block	.59	.42	.37	.3
152-0005	F-GSCH1/5-K835	K	Screw lock	1.41	1.04	.82	.6
152-0006	FRS1/5-K190	L	Thumb Screw	1.54	1.13	.94	.7

TOOLING FOR MIXED CONTACT CONNECTORS

MOUSER STOCK NO.	FCT Part No.	Fig.	Description	Contact Type	Price Each 1	5
152-M22520/05-01	M22520/5-01	M	Crimp Tool Coax, Outer Conductor	FMS001, FMS002, FMS006, FMX003, FMX005, FMX006	402.60	368.9
152-Y1535P	Y1535P	N	Crimp Tool Die, Outer Conductor	FMS001, FMS002, FMX003, FMX005, FMX006	178.20	163.3
152-Y138P	Y138P	O	Crimp Tool Die, Outer Conductor	FMS006	255.20	234.3
152-M22520/2-01	M22520/2-01	P	Crimp Tool Coax, Inner Conductor	FMS001, FMS002, FMS006	402.60	368.9
152-K1003	K1003	Q	Positioner, Inner Conductor	FMS001, FMS002, FMS006	102.00	93.4
152-M309	M309	R	Crimp Tool, High Power	FMP002, FMP003, FMP004	651.75	597.2
152-TP1071-1	TP1071-1	S	Positioner Plug, High Power	FMP002P, FMP003P, FMP004P	168.30	154.2
152-TP1072-1	TP1072-1	S	Positioner Socket, High Power	FMP002S, FMP003S, FMP004S	168.30	154.2
152-SP994	SP994	S	Positioner Combo, Plug and Socket, High Power	FMP002, FMP003, FMP004	288.75	264.6
152-DRK38	DRK38	T	Extraction Tool, Coaxial High Power, High Voltage	FMV001, FMS001, FMS002, FMS006, FMX003, FMX005, FMX006, FMP002, FMP003, FMP004	107.03	93.3

FCT ELECTRONICS D-Sub Connectors, Hoods, & Dust Caps

RIGHT ANGLE D-SUB CONNECTORS PCB TERMINATION

emperature Rating: -55° C to +150° C
igh Temperature Insulators allow for RoHS Soldering Processes
urrent Rating: 5 Amp
nderwriter recognized

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCT Electronics Part No.	Fig.	Shell Size	Gender	Price Each			
					1	10	100	500
52-FHT09P5G1	FHT09P5G1	A	9	Plug	6.52	6.00	4.76	3.93
52-FHT09S5G1	FHT09S5G1	B	9	Socket	7.56	6.96	5.52	4.55
52-FHT15P5G1	FHT15P5G1	A	15	Plug	8.26	7.60	6.02	4.97
52-FHT15S5G1	FHT15S5G1	B	15	Socket	9.92	9.13	7.24	5.97
52-FHT25P5G1	FHT25P5G1	A	25	Plug	10.76	9.90	7.85	6.48
52-FHT25S5G1	FHT25S5G1	B	25	Socket	12.70	11.69	9.26	7.65
52-FHT37P5G1	FHT37P5G1	A	37	Plug	14.54	13.38	10.60	8.75
52-FHT37S5G1	FHT37S5G1	B	37	Socket	16.14	14.85	11.77	9.72

RIGHT ANGLE SMT D-SUB CONNECTORS

ndividually packaged
Current Rating: ι Amp
Overall Height: .287"

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCT Electronics Part No.	Fig.	Shell Size	Gender	Price Each			
					1	10	100	500
52-FSLT09P107G1E	FSLT09P107G1E	C	9	Plug	11.25	9.21	7.66	6.51
52-FSLT09S107G1E	FSLT09S107G1E	D	9	Socket	9.04	7.40	6.15	5.23
52-FSLT15P107G1E	FSLT15P107G1E	C	15	Plug	9.64	7.88	6.56	5.58
52-FSLT15S107G1E	FSLT15S107G1E	D	15	Socket	7.79	6.37	5.31	4.51

WATERPROOF HOODS FOR D-SUB CONNECTORS

For use with Non-Waterproof Connectors
Assembled Connection Waterproof per IP 67

NEW! TECHNOLOGY

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCT Electronics Part No.	Fig.	Shell Size	Gender	Price Each			
					1	10	100	500
152-FWA1GE	FWA1GE	E	1	Rear	17.69	16.28	12.91	10.65
152-FWA2GE	FWA2GE	E	2	Rear	19.36	17.82	14.12	11.66
152-FWAF1GE	FWAF1GE	F	1	Front	17.69	16.28	12.91	10.65
152-FWAF2GE	FWAF2GE	F	2	Front	19.36	17.82	14.12	11.66

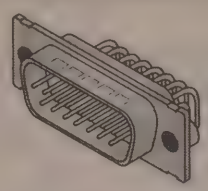
SHIELDED DUST CAPS FOR D-SUB CONNECTORS

Tin Plated Brass
Simple Mounting-Push On and Screw in Place
Meets Protection Level IP Requirements, DIN 40050

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCT Electronics Part No.	Fig.	Shell Size	Gender	Price Each			
					1	10	100	500
152-FSSK1P	FSSK1P	G	1	Plug	6.65	6.03	5.55	5.13
152-FSSK2P	FSSK2P	G	2	Plug	7.02	6.37	5.86	5.41
152-FSSK3P	FSSK3P	G	3	Plug	7.40	6.70	6.17	5.70
152-FSSK1S	FSSK1S	H	1	Socket	6.65	6.03	5.55	5.13
152-FSSK2S	FSSK2S	H	2	Socket	7.02	6.37	5.86	5.41
152-FSSK3S	FSSK3S	H	3	Socket	7.40	6.70	6.17	5.70

A



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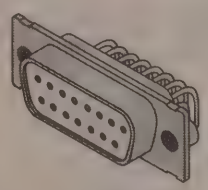

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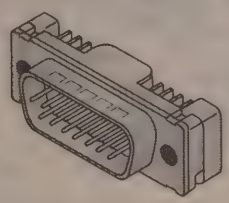

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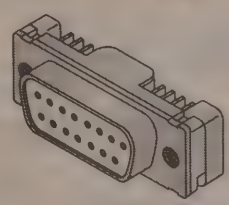

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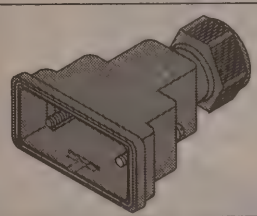

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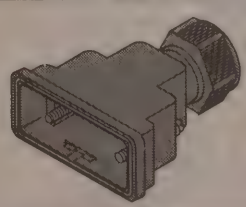

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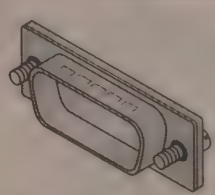

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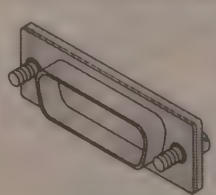


HARTING High Density D-Sub Connectors

HIGH DENSITY D-SUB CONNECTORS

Specifications:

- Plug and Receptacle versions 15, 26, 44, 62, 78 pos
- PCB Terminations (straight and right angle)
- Crimp Terminations
- Working Current: 2A max
- 4 - 40 UNC hardware
- Temperature Range: - 55°C to +105°C
- Performance level 3 >/= 50 mating cycles according to DIN41652

Features:

- Metal Shell - tinned steel
- Right Angle versions include board lock
- Straight versions w/without board lock
- Crimp Contacts AWG 26-24
- UL recognized
- Increased density up to 70% vs standard D Sub

Crimp - Through Hole

- Housing only, order pin or socket contacts separately.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Description	Price Each			
						1	25	50	100
617-09-56-100-5601	09 56 100 5601	A	15	Plug	Through Hole	1.00	.95	.90	.87
617-09-56-100-4701	09 56 100 4701	B	15	Receptacle	Through Hole	.93	.89	.84	.82
617-09-56-200-5601	09 56 200 5601	A	26	Plug	Through Hole	1.78	1.69	1.60	1.55
617-09-56-200-4701	09 56 200 4701	B	26	Receptacle	Through Hole	2.00	1.90	1.80	1.75
617-09-56-300-5601	09 56 300 5601	A	44	Plug	Through Hole	4.00	3.80	3.60	3.50
617-09-56-300-4701	09 56 300 4701	B	44	Receptacle	Through Hole	5.55	5.27	5.00	4.86
617-09-56-400-5601	09 56 400 5601	A	62	Plug	Through Hole	6.44	6.12	5.80	5.64
617-09-56-400-4701	09 56 400 4701	B	62	Receptacle	Through Hole	6.55	6.22	5.90	5.73
617-09-56-500-5601	09 56 500 5601	A	78	Plug	Through Hole	6.88	6.54	6.20	6.02
617-09-56-500-4701	09 56 500 4701	B	78	Receptacle	Through Hole	8.02	7.62	7.21	7.01

Contacts

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each			
			1	50	100	500
617-09-56-000-8177	09 56 000 8177	Male contact for crimp type d-sub plugs	.13	.12	.11	.10
617-09-56-000-8277	09 56 000 8277	Female contact for crimp type d-sub receptacles	.17	.16	.15	.14

Crimp Tool

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each	
			1	5
617-09-99-000-0596	09 99 000 0596	Crimp tool for crimp type d-sub connectors	320.53	297.64

Right Angle PCB - 4-40 UNC Thread & Board Lock

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Description	Price Each			
						1	25	50	100
617-09-56-162-7812	09 56 162 7812	C	15	Plug	4-40 UNC Thread & Board Lock	2.69	2.55	2.42	2.35
617-09-56-152-7612	09 56 152 7612	D	15	Receptacle	4-40 UNC Thread & Board Lock	1.98	1.88	1.78	1.73
617-09-56-262-7812	09 56 262 7812	C	26	Plug	4-40 UNC Thread & Board Lock	4.17	3.96	3.75	3.65
617-09-56-252-7612	09 56 252 7612	D	26	Receptacle	4-40 UNC Thread & Board Lock	3.36	3.19	3.02	2.94
617-09-56-362-7812	09 56 362 7812	C	44	Plug	4-40 UNC Thread & Board Lock	7.96	7.57	7.17	6.97
617-09-56-352-7612	09 56 352 7612	D	44	Receptacle	4-40 UNC Thread & Board Lock	5.28	5.01	4.75	4.62
617-09-56-462-7812	09 56 462 7812	C	62	Plug	4-40 UNC Thread & Board Lock	9.14	8.68	8.23	8.00
617-09-56-452-7612	09 56 452 7612	D	62	Receptacle	4-40 UNC Thread & Board Lock	7.12	6.77	6.41	6.23

Straight PCB - Through Hole

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Description	Price Each			
						1	25	50	100
617-09-56-161-7700	09 56 161 7700	E	15	Plug	Through Hole	1.44	1.37	1.30	1.26
617-09-56-151-7500	09 56 151 7500	F	15	Receptacle	Through Hole	1.88	1.79	1.69	1.65
617-09-56-261-7700	09 56 261 7700	E	26	Plug	Through Hole	2.79	2.65	2.51	2.44
617-09-56-251-7500	09 56 251 7500	F	26	Receptacle	Through Hole	3.49	3.32	3.14	3.06
617-09-56-361-7700	09 56 361 7700	E	44	Plug	Through Hole	4.07	3.86	3.66	3.56
617-09-56-351-7500	09 56 351 7500	F	44	Receptacle	Through Hole	5.01	4.76	4.51	4.38
617-09-56-461-7700	09 56 461 7700	E	62	Plug	Through Hole	5.98	5.68	5.38	5.23
617-09-56-451-7500	09 56 451 7500	F	62	Receptacle	Through Hole	7.32	6.96	6.59	6.41
617-09-56-561-7700	09 56 561 7700	E	78	Plug	Through Hole	8.00	7.60	7.20	7.00
617-09-56-551-7500	09 56 551 7500	F	78	Receptacle	Through Hole	9.81	9.32	8.83	8.58

Straight PCB - 4-40 UNC Thread & Board Lock

For quantities of 500 and up, call for quote.

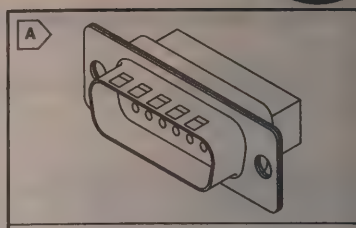
MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Description	Price Each			
						1	25	50	100
617-09-56-161-7712	09 56 161 7712	G	15	Plug	4-40 UNC Thread & Board Lock	1.81	1.72	1.63	1.59
617-09-56-151-7512	09 56 151 7512	H	15	Receptacle	4-40 UNC Thread & Board Lock	2.25	2.14	2.03	1.97
617-09-56-261-7712	09 56 261 7712	G	26	Plug	4-40 UNC Thread & Board Lock	3.16	3.00	2.84	2.76
617-09-56-251-7512	09 56 251 7512	H	26	Receptacle	4-40 UNC Thread & Board Lock	3.86	3.67	3.48	3.38
617-09-56-361-7712	09 56 361 7712	G	44	Plug	4-40 UNC Thread & Board Lock	4.44	4.21	3.99	3.88
617-09-56-351-7512	09 56 351 7512	H	44	Receptacle	4-40 UNC Thread & Board Lock	5.38	5.11	4.84	4.70
617-09-56-461-7712	09 56 461 7712	G	62	Plug	4-40 UNC Thread & Board Lock	6.35	6.03	5.72	5.56
617-09-56-451-7512	09 56 451 7512	H	62	Receptacle	4-40 UNC Thread & Board Lock	7.69	7.31	6.92	6.73
617-09-56-561-7712	09 56 561 7712	G	78	Plug	4-40 UNC Thread & Board Lock	8.37	7.95	7.53	7.32
617-09-56-551-7512	09 56 551 7512	H	78	Receptacle	4-40 UNC Thread & Board Lock	10.18	9.67	9.16	8.91

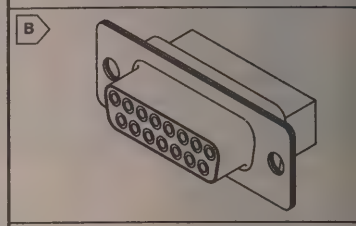
Screwlocks

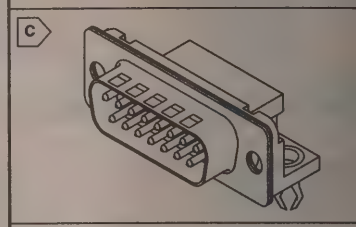
- Order 2 for each connector

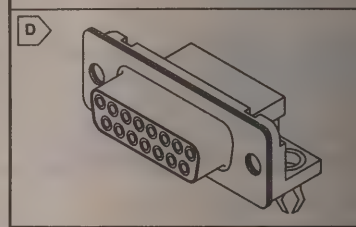
For quantities of 1000 and up, call for quote.

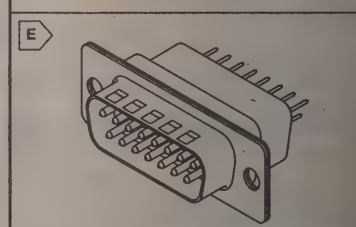
MOUSER STOCK NO.	HARTING Part No.	Description	Price Each			
			1	50	100	500
617-09-67-000-9972	09 67 000 9972	Screwlock for right angle version	.22	.21	.20	.19
617-09-66-000-9972	09 66 000 9972	Screwlock for straight version	.22	.21	.20	.19

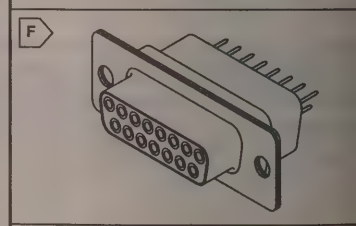


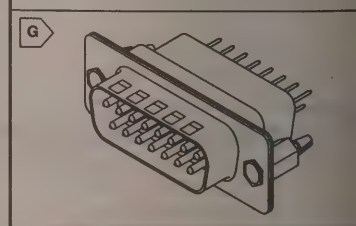


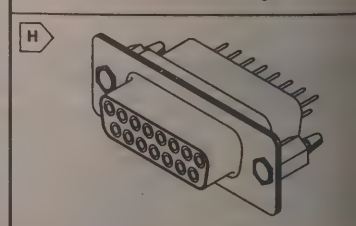












HARTING Filtered D-Sub Connectors

FILTERED D-SUB CONNECTORS

Specifications:

Plug and Receptacle versions 9, 15, 25, 37 pos
PCB Terminations (straight and right angle)
Solder bucket Terminations
Working Current: 7.5A max
4 - 40 UNC hardware
Temperature Range: - 55°C to +125°C
Max Temperature: +230°C (for 60 seconds) during reflow soldering
Meets & complies with FCC-part 15, IEC 1000 and EN 5502 Specifications
Selective gold plating over nickel = 200 mating cycles

Features:

- Unique multi-layer pcb design, utilizing surface mount capacitors within standard size D shell
- Directly interchangeable with existing D Sub connector - same standard footprint
- Type C Filter, 1,000 pF
- UL recognized

Straight PCB - Through Hole

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Price Each			
					1	5	10	25
617-09-64-122-7230	09 64 122 7230	A	9	Plug	9.50	9.03	8.55	8.08
617-09-64-112-7230	09 64 112 7230	B	9	Receptacle	10.00	9.50	9.00	8.50
617-09-64-222-7230	09 64 222 7230	A	15	Plug	13.58	12.90	12.22	11.54
617-09-64-212-7230	09 64 212 7230	B	15	Receptacle	14.21	13.50	12.79	12.08
617-09-64-322-7230	09 64 322 7230	A	25	Plug	19.38	18.41	17.44	16.47
617-09-64-312-7230	09 64 312 7230	B	25	Receptacle	20.64	19.60	18.57	17.54
617-09-64-422-7230	09 64 422 7230	A	37	Plug	24.48	23.26	22.03	20.81
617-09-64-412-7230	09 64 412 7230	B	37	Receptacle	26.65	25.31	23.98	22.65

Straight PCB - Clinch Nut 4-40

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Price Each			
					1	5	10	25
617-09-64-122-7237	09 64 122 7237	C	9	Plug	10.30	9.78	9.27	8.75
617-09-64-112-7237	09 64 112 7237	D	9	Receptacle	10.79	10.25	9.71	9.17
617-09-64-222-7237	09 64 222 7237	C	15	Plug	14.30	13.59	12.87	12.16
617-09-64-212-7237	09 64 212 7237	D	15	Receptacle	15.00	14.25	13.50	12.75
617-09-64-322-7237	09 64 322 7237	C	25	Plug	19.91	18.91	17.92	16.92
617-09-64-312-7237	09 64 312 7237	D	25	Receptacle	21.43	20.36	19.29	18.21
617-09-64-422-7237	09 64 422 7237	C	37	Plug	25.27	24.01	22.75	21.48
617-09-64-412-7237	09 64 412 7237	D	37	Receptacle	27.44	26.07	24.69	23.32

Straight PCB - Board Clip + Clinch Nut 4-40

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Price Each			
					1	5	10	25
617-09-64-122-7235	09 64 122 7235	E	9	Plug	10.84	10.30	9.76	9.22
617-09-64-112-7235	09 64 112 7235	F	9	Receptacle	11.34	10.77	10.20	9.64
617-09-64-222-7235	09 64 222 7235	E	15	Plug	14.85	14.10	13.36	12.62
617-09-64-212-7235	09 64 212 7235	F	15	Receptacle	15.55	14.77	13.99	13.21
617-09-64-322-7235	09 64 322 7235	E	25	Plug	20.45	19.43	18.41	17.39
617-09-64-312-7235	09 64 312 7235	F	25	Receptacle	21.97	20.87	19.78	18.68
617-09-64-422-7235	09 64 422 7235	E	37	Plug	25.82	24.53	23.24	21.95
617-09-64-412-7235	09 64 412 7235	F	37	Receptacle	27.98	26.58	25.18	23.78

Solder Cup - Through Hole

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Price Each			
					1	5	10	25
617-09-64-121-7230	09 64 121 7230	G	9	Plug	9.50	9.02	8.55	8.07
617-09-64-111-7230	09 64 111 7230	H	9	Receptacle	9.91	9.42	8.92	8.43
617-09-64-221-7230	09 64 221 7230	G	15	Plug	13.49	12.82	12.15	11.47
617-09-64-211-7230	09 64 211 7230	H	15	Receptacle	14.06	13.36	12.66	11.95
617-09-64-321-7230	09 64 321 7230	G	25	Plug	19.09	18.14	17.18	16.23
617-09-64-311-7230	09 64 311 7230	H	25	Receptacle	20.39	19.37	18.35	17.33
617-09-64-421-7230	09 64 421 7230	G	37	Plug	23.52	22.34	21.17	19.99
617-09-64-411-7230	09 64 411 7230	H	37	Receptacle	26.28	24.97	23.65	22.34

Solder Cup - Clinch Nut 4-40

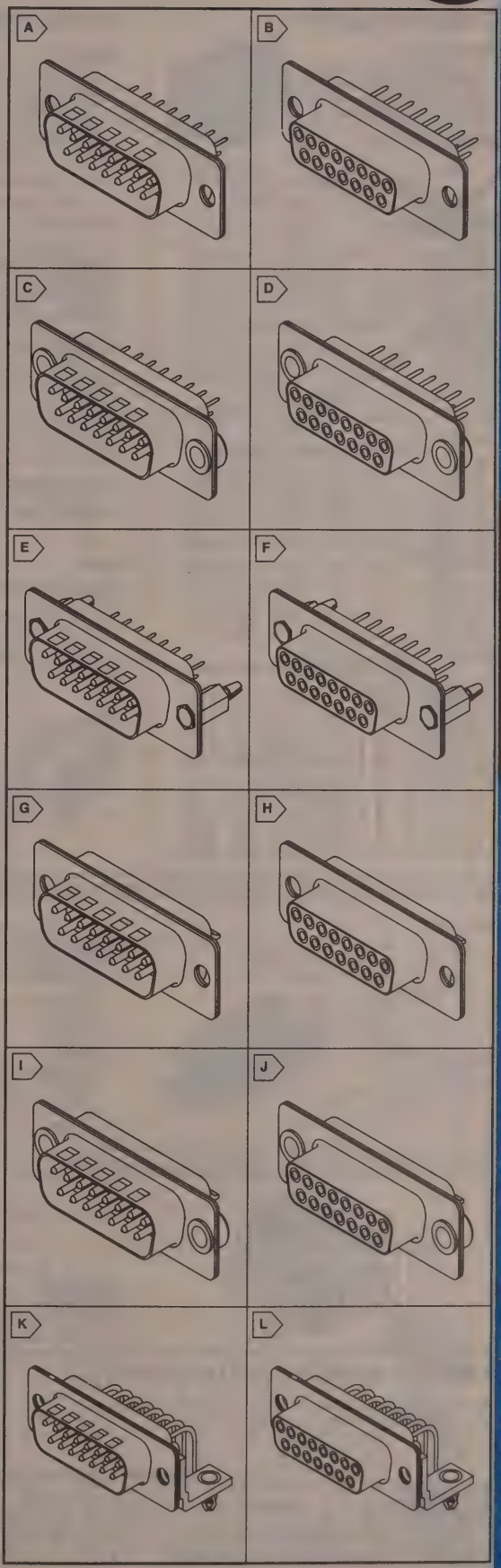
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Price Each			
					1	5	10	25
617-09-64-121-7237	09 64 121 7237	I	9	Plug	10.29	9.77	9.26	8.74
617-09-64-111-7237	09 64 111 7237	J	9	Receptacle	10.70	10.17	9.63	9.10
617-09-64-221-7237	09 64 221 7237	I	15	Plug	14.29	13.57	12.86	12.14
617-09-64-211-7237	09 64 211 7237	J	15	Receptacle	14.85	14.11	13.37	12.63
617-09-64-321-7237	09 64 321 7237	I	25	Plug	19.88	18.89	17.90	16.90
617-09-64-311-7237	09 64 311 7237	J	25	Receptacle	21.18	20.12	19.06	18.00
617-09-64-421-7237	09 64 421 7237	I	37	Plug	24.31	23.09	21.88	20.66
617-09-64-411-7237	09 64 411 7237	J	37	Receptacle	27.07	25.72	24.37	23.01

Right Angle - Board Lock + Clinch Nut 4-40

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Price Each			
					1	5	10	25
617-09-64-124-7232	09 64 124 7232	K	9	Plug	12.38	11.76	11.14	10.52
617-09-64-114-7232	09 64 114 7232	L	9	Receptacle	12.61	11.98	11.35	10.72
617-09-64-224-7232	09 64 224 7232	K	15	Plug	16.94	16.09	15.25	14.40
617-09-64-214-7232	09 64 214 7232	L	15	Receptacle	17.17	16.31	15.46	14.60
617-09-64-324-7232	09 64 324 7232	K	25	Plug	23.48	22.30	21.13	19.96
617-09-64-314-7232	09 64 314 7232	L	25	Receptacle	24.19	22.99	21.78	20.57
617-09-64-424-7232	09 64 424 7232	K	37	Plug	29.96	28.46	26.96	25.47
617-09-64-414-7232	09 64 414 7232	L	37	Receptacle	30.92	29.37	27.83	26.28



KOBICONN D-Sub Connectors and Accessories

D-SUB CONNECTORS

Specifications:
- Insulation: thermoplastic; UL94V-0
- Current rating: 5A per contact max.
- Printed circuit connector: ø.025"
- Wire gauge: 20AWG max.

Right Angle PCB

Preloaded Contacts

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	No. of Cond.	Price Each 1	10	100	500
Plugs					
152-5609	9	3.58	3.42	3.11	2.83
152-5615	15	5.15	4.91	4.47	4.06
152-5625	25	7.71	7.36	6.69	6.08
152-5637	37	10.99	10.49	8.71	7.93
152-5650	50	11.83	11.23	10.73	9.76
Receptacles					
152-5709	9	3.89	3.73	3.38	3.08
152-5715	15	5.59	5.34	4.85	4.41
152-5725	25	7.99	7.63	6.99	6.49
152-5737	37	10.83	10.44	10.10	9.19
152-5750	50	13.72	12.66	11.44	10.41

Solder Cup

For quantities of 1000 and up, call for quote.

Plugs					
152-5009	9	1.63	1.56	1.30	1.18
152-5015	15	2.53	2.28	2.01	1.83
152-5025	25	2.65	2.52	2.29	2.17
152-5037	37	3.76	3.62	3.29	2.99
152-5050	50	5.65	5.43	4.93	4.49
Receptacles					
152-5109	9	2.34	2.17	1.80	1.64
152-5115	15	3.22	2.66	2.42	2.20
152-5125	25	3.91	3.26	2.96	2.69
152-5137	37	5.84	5.59	5.09	4.65
152-5150	50	7.59	7.37	6.69	6.09

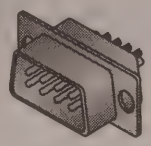
Straight PCB

For quantities of 1000 and up, call for quote.

Plugs					
152-5209	9	1.89	1.79	1.69	1.54
152-5215	15	2.05	1.95	1.77	1.59
152-5225	25	3.49	3.07	2.79	2.53
152-5237	37	4.71	4.29	3.90	3.60
152-5250	50	5.36	5.13	4.66	4.24
Receptacles					
152-5309	9	2.53	2.39	2.19	1.99
152-5315	15	3.99	3.73	3.39	3.08
152-5325	25	5.19	4.75	4.32	3.93
152-5337	37	7.92	7.61	6.92	6.29
152-5350	50	9.99	9.69	9.09	8.39

D-SUB CONNECTORS

Specifications:
- Current rating: 5A per contact
- Contact resistance: initial: <5mΩ
- Insulation resistance: >10MΩ
- Temperature rating: -55°C to +125°C
- Flame retardant to UL 94V-0
- Shell: steel with passivation over zinc
- Contacts: gold plate over nickel

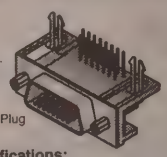


Solder Cup

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	No. of Cond.	Price Each 1	10	100	500
Plugs					
156-1209	9	.61	.47	.43	.39
156-1215	15	.65	.59	.54	.49
156-1225	25	.99	.76	.69	.63
156-1237	37	1.58	1.32	1.20	1.09
Receptacles					
156-1309	9	.66	.51	.46	.42
156-1315	15	.85	.65	.59	.54
156-1325	25	1.00	.77	.70	.64
156-1337	37	1.87	1.56	1.42	1.29

RIGHT ANGLE PCB D-SUB CONNECTOR



Specifications:
- Operating temperature: -55°C to 105°C
- Current rating: 1A
- Housing: glass filled polyester UL 94V-0
- Contact male: brass/gold plat
- Contact female: phosphor bronze/gold plated

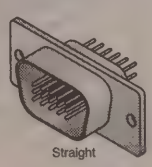
For quantities of 1000 and up, call for quote.

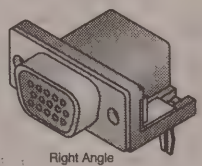
MOUSER STOCK NO.	No. of Contacts	Price Each 1	10	100	50
Plugs					
152-3309	9	.99	.77	.70	
152-3315	15	1.26	.98	.89	
152-3325	25	1.63	1.26	1.14	1.
152-3337	37	2.31	1.78	1.62	1.
Receptacles					
152-3409	9	.95	.73	.67	
152-3415	15	1.18	.91	.83	
152-3425	25	1.54	1.19	1.08	
152-3437	37	2.31	1.78	1.62	1.

HIGH DENSITY STRAIGHT AND RIGHT ANGLE D-SUB CONNECTORS

Material:
- Insulator: glass filled PBT Rated UL94V-0
- Shell: tin plated steel
- Contact male: brass
  female: phosphor bronze
- Contact plating: gold over nickel
- Gold Flush 0.8-1.0μ

Specifications:
- Current rating: 5A per contact
- Breakdown voltage: 1000V
- Temperature rating: -55°C to +105°C


Straight


Right Angle

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	No. of Pins	Shell Size	Termination Type	Price Each 1	10	100	5
Plugs							
156-1815	15	DB9	Solder Cup	1.80	1.49	1.34	1
✻156-2215	15	DB9	Crimp	1.35	1.12	1.01	
156-1826	26	DB15	Solder Cup	3.95	3.29	2.95	2
✻156-2026	26	DB15	Crimp	2.97	2.47	2.22	2
Receptacles							
156-1915	15	DB9	Solder Cup	1.80	1.49	1.34	1
✻156-2115	15	DB9	Crimp	1.35	1.12	1.01	
156-1926	26	DB15	Solder Cup	3.95	3.29	2.95	2
✻156-2126	26	DB15	Crimp	2.97	2.47	2.22	2
Right Angle Plug and Receptacle (Pins included)							
156-3215	15	DB9	Plug	1.80	1.49	1.34	1
156-3315	15	DB9	Receptacle	1.80	1.49	1.34	1
156-4215	26	DB15	Plug	2.47	2.06	1.87	1
156-4315	26	DB15	Receptacle	2.47	2.06	1.87	1

✻ Housing only, order pin or socket contacts separately

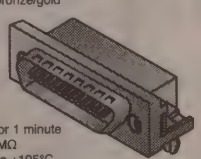
Contacts By the Terminal

• Wires: 26 AWG to 30 AW

MOUSER STOCK NO.	Type	Price Each 1	10	100	50
156-2000	Male	.10	.05	.043	.03
156-2100	Female	.10	.05	.043	.03

RIGHT ANGLE PCB RFI/EMI FILTERED D-SUB CONNECTORS

Material:
- Insulator: PBT +30% glass fiber (UL94V-0)
- Contact male: brass/gold over nickel plating
- Contact female: phosphor bronze/gold over nickel plating
- Shell: tin plated steel



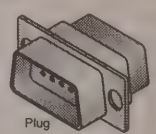
Electrical:
- Current rating: 5A
- Withstand voltage: 1000V for 1 minute
- Insulation resistance: 1000MΩ
- Temperature range: -40°C to +105°C

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Price Each 1	10	100	500
Plugs					
152-3509	9	2.42	2.20	2.00	1.82
152-3515	15	2.90	2.64	2.40	2.18
152-3525	25	3.60	3.27	2.97	2.70
152-3537	37	4.39	3.99	3.64	3.30
Receptacles					
152-3609	9	2.42	2.20	2.00	1.82
152-3615	15	2.90	2.64	2.40	2.18
152-3625	25	3.60	3.27	2.97	2.70
152-3637	37	4.39	3.99	3.64	3.30

D-SUBMINIATURE CONNECTOR HOUSINGS

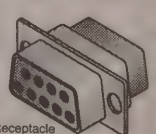
Removable crimp type contacts. Can be loaded with only the number of contacts needed.

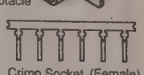

Plug

Crimp Pin (Male)

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	No. of Contacts	Price Each 1	10	100	5
Plug (Contacts not included)					
156-1410	9	.59	.45	.41	
156-1416	15	.81	.62	.55	
156-1426	25	.81	.62	.55	
Receptacles (Contacts not included)					
156-1409	9	.69	.53	.47	
156-1415	15	.88	.68	.63	
156-1425	25	.88	.66	.59	


Receptacle

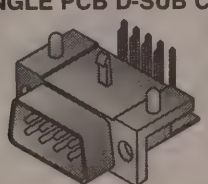

Crimp Socket (Female)

Crimp Contacts (Optional)

For quantities of 10000 and up, call for q

MOUSER STOCK NO.	Type	Price Each 1	100	1000	5
156-1402	Male (pin)	.10	.047	.043	
156-1401	Fem(socket)	.11	.050	.046	

RIGHT ANGLE PCB D-SUB CONNECTOR PLUG



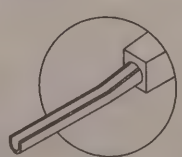
- Snap-in mounting tab
- Tin plated contacts

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Price Each 1	10	100	500
152-3709	9	1.27	.98	.89	.79

CONTACT INSERTION / EXTRACTION TOOL

A tool for inserting and/or extracting "crimp type" contacts used with crimp type D-subminiature connector housings.



For quantities of 1000 and up, call for quote.

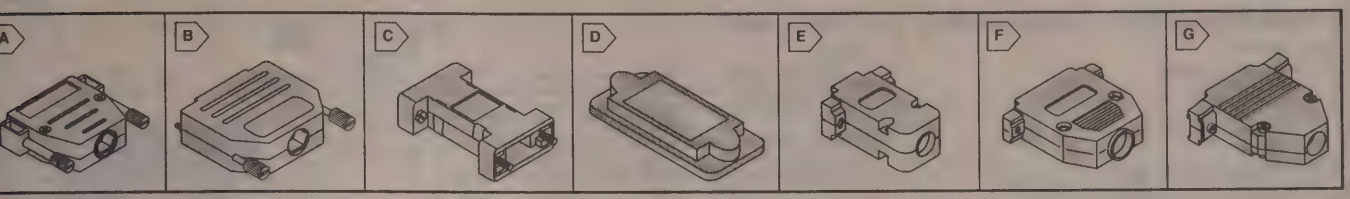
MOUSER STOCK NO.	Description	Price Each 1	10	100	500
156-1400	For standard crimp type contacts	4.79	4.35	3.96	3.60
156-1900	For high density crimp type contacts	4.79	4.35	3.96	3.60

MOUSER ELECTRONICS a tti company

(800) 346-6873

KOBICONN D-Sub Card Edge and IDC Connectors

KOBICONN



L RECOGNIZED HOODS

atures:
Plastic, Black ABS UL94V-0

For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	Fig.	Shell Size	Description	Price Each 1	10	100	500
Piece Hoods with Screw Locks							
52-1309	A	DB9	2 pc plastic hood w/lock screws	2.51	2.09	1.90	1.73
52-1315	A	DB15	2 pc plastic hood w/lock screws	2.59	2.16	1.96	1.78
52-1325	A	DB25	2 pc plastic hood w/lock screws	2.63	2.19	1.99	1.83
52-1337	A	DB37	2 pc plastic hood w/lock screws	2.89	2.41	2.19	1.99
52-1350	A	DB50	2 pc plastic hood w/lock screws	2.89	2.41	2.19	1.99

INGED CONSTRUCTION WITH JACK SCREWS

atures:
Side snap lock
UL94V0 polypropylene

For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	Fig.	Shell Size	Length (in.)	Width (in.)	Color	Price Each 1	10	100	500
52-9009	B	DB9	1.31	1.33	Black	1.39	1.08	.98	.89
52-9015	B	DB15	1.29	1.66	Black	1.39	1.08	.98	.89
52-9025	B	DB25	1.44	2.22	Black	1.39	1.08	.98	.89
52-9037	B	DB37	1.54	2.85	Black	1.87	1.44	1.30	1.19

-SUBMINIATURE CUSTOM ADAPTER HOUSINGS

wo piece plastic housing designed for custom applications requiring the use of two D-sub connectors.
plications include custom jumper boxes and interconnects. Connectors are not included.

eatures:
All plastic construction
Connector screws included
Snap together assembly

For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	Fig.	Color	Description	Price Each 1	10	25	50
157-4000	C	Black	DB25/DB25 housing with screws	1.10	.85	.76	.69
157-4001	C	Black	DB9/DB9 housing with screws	1.10	.85	.76	.69
157-4002	C	Gray	DB9/DB25 housing with screws	1.10	.85	.76	.69
157-4003	C	Gray	DB25/DB25 housing with screws	1.10	.85	.76	.69

EMI / DUST COVERS

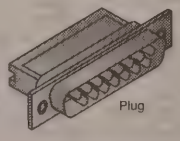
For quantities of 1000 and up, call for quote.

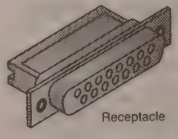
152-09FR	D	Red	9 pin female	1.25	1.05	.95	.82
152-15FR	D	Red	15 pin female	1.25	1.05	.95	.82
152-25FR	D	Red	25 pin female	1.25	1.05	.95	.82
152-09MB	D	Blue	9 pin male	1.25	1.05	.95	.82
152-15MB	D	Blue	15 pin male	1.25	1.05	.95	.82
152-25MB	D	Blue	25 pin male	1.25	1.05	.95	.82

IDC FLAT CABLE D-SUB CONNECTORS

hosphor bronze contacts with gold plate over nickel, insulation displacement
-Subs provide added speed and convenience of mass termination.

eatures:
Metal shell
Standard .050 pitch
Insulator color: black


Plug

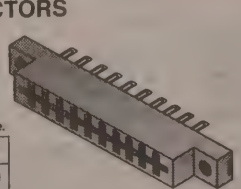

Receptacle

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Type	No. of Contacts	Price Each 1	10	100	500
56-1609	Plug	9	2.07	1.73	1.57	1.43
56-1615	Plug	15	2.37	1.97	1.80	1.63
56-1625	Plug	25	2.80	2.33	2.12	1.93
56-1637	Plug	37	4.90	4.08	3.71	3.38
56-1709	Receptacle	9	2.06	1.72	1.56	1.42
56-1715	Receptacle	15	2.53	2.11	1.91	1.74
56-1725	Receptacle	25	2.55	2.13	1.94	1.76
56-2737	Receptacle	37	4.90	4.08	3.71	3.38

UAL READOUT CARD EDGE CONNECTORS

atures:
ifurcated contact
JL 94V-0 insulator
or discrete wiring
Gold plated
156" center spacing



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Pin Configuration	Price Each 1	10	100	500
SPC001	2 x 10	4.40	3.36	3.08	2.75
SPC002	2 x 15	5.24	4.40	3.67	3.28
SPC005	2 x 22	5.39	4.49	4.09	3.69

STANDARD HOODS

Features:
- Designed to fit our 152 and 156 series connectors
- Straight cable exit
- Complete with screw, retainer, and side screws.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shell Size	Description	Price Each 1	10	100	500
Low Cost Locking Hoods • Plastic							
156-2009	E	DB9	Plastic locking hood gray	.65	.50	.45	.41
156-2010	E	DB9	Black plastic locking hood	.65	.50	.45	.41
156-2015	F	DB15	Plastic locking hood gray	.65	.50	.45	.41
156-2025	F	DB25	Plastic locking hood gray	.65	.50	.45	.41
Metallized Plastic Hoods • RFI/EMI shielded • Nickel over copper plating							
156-3009	E	DB9	Plastic metallized locking hood	1.09	.91	.83	.75
156-3015	F	DB15	Plastic metallized locking hood	1.21	1.01	.92	.84
156-3025	F	DB25	Plastic metallized locking hood	1.21	1.01	.92	.84
156-3037	F	DB37	Plastic metallized locking hood	2.05	1.71	1.55	1.41
Metal Locking Hoods • All metal, RFI/EMI shielded • Clear zinc chromeate finish							
156-4109	G	DB9	Metal locking hood	2.38	1.98	1.80	1.64
156-4115	G	DB15	Metal locking hood	2.99	2.51	2.28	2.07
156-4125	G	DB25	Metal locking hood	3.59	2.76	2.51	2.28

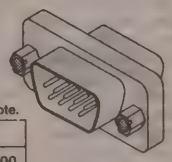
IDC FLAT CABLE CARD EDGE CONNECTORS

Features:
- Insulator: PBT glass reinforced, rated UL 94V-0
- Contacts: Brass tin plated
- Current Rating: 1A max per contact
- Color: Black
- Contact Resistance: 30milli ohm max.
- Operating Temperature: -40°C to +105°C

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Price Each 1	10	100	500
164-0810	10	1.45	.97	.88	.80
164-0820	20	1.61	1.07	.97	.89
164-0826	26	1.99	1.33	1.21	1.10
164-0834	34	2.09	1.39	1.27	1.16
164-0840	40	2.39	1.59	1.45	1.32
164-0850	50	3.05	2.03	1.84	1.68

MINI SIZE GENDER CHANGERS



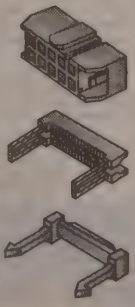
- Brass contacts gold plated over nickel
- 3 Amp
- 4-40 Hex Screw
- Flammability rating: UL 94V-0
- Temperature range: -55 to +105°C

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Type	Price Each 1	10	100	500
157-0300	9	Male/male	2.61	2.18	1.98	1.80
157-0302	9	Female/female	2.61	2.18	1.98	1.80
157-0304	15	Male/male	3.09	2.81	2.55	2.32
157-0306	15	Female/female	3.09	2.81	2.55	2.32
157-0308	25	Male/male	3.20	2.92	2.65	2.41
157-0310	25	Female/female	3.20	2.92	2.65	2.41

IDC SOCKET CONNECTOR WITH STRAIN RELIEF

- .100" spacing
- Gold over nickel plating in contact area
- Rating: 1A



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Price Each 1	10	100	500
164-9006	10	.34	.32	.30	.29
164-9007	14	.50	.46	.45	.43
164-9008	16	.56	.51	.48	.46
164-9001	20	.67	.64	.59	.53
164-9010	24	.78	.71	.68	.62
164-9002	26	.84	.77	.73	.66
164-9003	34	1.06	1.01	.92	.73
164-9004	40	1.23	1.13	1.04	.82
164-9005	50	1.51	1.43	1.30	1.04
164-9009	60	1.79	1.71	1.58	1.44
164-9011	64	2.22	2.01	1.81	1.67

KYCON Ferrite Filtered D-Subminiature Connectors

KYCON KF22 SERIES - RIGHT ANGLE, .318" FOOTPRINT

LR78160 E140125

Specifications:

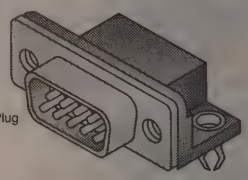
- PCB Mount - .318" Footprint
- Grounding board locks
- Riveted threaded inserts
- Shell: Steel, Tin plated
- Insulator: PBT Thermoplastic with glass-fiber reinforcement, UL94V-0 rated
- Color: Black
- Contact Material: Plug: Brass; Socket: Phosphor Bronze
- Contact Plating: Gold flash on mating end with Nickel underplate on entire contact Tin/Lead over Nickel on termination end
- Current Rating: 5A
- Voltage Rating: 300VDC
- Insulation Resistance: more than 1000 Megohms
- Operating Temperature: -55°C to +105°C

Features:

- EMI/RFI noise suppression in data communication lines
- Cost effective way to meet FCC and VDE Class B requirements
- Does not require any more board space that a standard D-Sub

Ferrite filters provide an easy and efficient way of reducing both radiated and conducted interference. KYCON uses a medium permeability nickel zinc ferrite material that is effective at attenuating frequencies above 30 MHz.

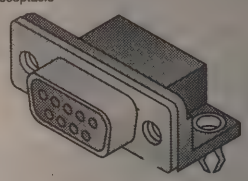
Ferrite Specifications		
Test Frequency	Edge Hole	Inner Hole
30 MHz	17-27 Ohms	22-30 Ohms
50 MHz	22-30 Ohms	29-37 Ohms
100 MHz	29-34 Ohms	35-40 Ohms


Plug

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Pin Count	Type	Description	Price Each			
					1	25	50	100
806-KF22-E9P-N	KF22-E9P-N	9	Plug	Threaded Inserts	2.71	2.57	2.49	1.82
806-KF22-E9P-NJ	KF22-E9P-NJ	9	Plug	4-40 Hex. Jack Screws Installed	2.95	2.79	2.71	1.98
806-KF22-E9S-N	KF22-E9S-N	9	Receptacle	Threaded Inserts	2.71	2.57	2.49	1.82
806-KF22-E9S-NJ	KF22-E9S-NJ	9	Receptacle	4-40 Hex. Jack Screws Installed	2.95	2.79	2.71	1.98
806-KF22-A15P-N	KF22-A15P-N	15	Plug	Threaded Inserts	3.37	3.18	3.09	2.26
806-KF22-A15P-NJ	KF22-A15P-NJ	15	Plug	4-40 Hex. Jack Screws Installed	3.59	3.39	3.29	2.41
806-KF22-A15S-N	KF22-A15S-N	15	Receptacle	Threaded Inserts	3.37	3.18	3.09	2.26
806-KF22-A15S-NJ	KF22-A15S-NJ	15	Receptacle	4-40 Hex. Jack Screws Installed	3.59	3.39	3.29	2.41
806-KF22-B25P-N	KF22-B25P-N	25	Plug	Threaded Inserts	3.26	3.08	2.99	2.19
806-KF22-B25P-NJ	KF22-B25P-NJ	25	Plug	4-40 Hex. Jack Screws Installed	3.49	3.30	3.20	2.34
806-KF22-B25S-N	KF22-B25S-N	25	Receptacle	Threaded Inserts	3.41	3.23	3.13	2.29
806-KF22-B25S-NJ	KF22-B25S-NJ	25	Receptacle	4-40 Hex. Jack Screws Installed	3.65	3.45	3.35	2.45
806-KF22-C37P-N	KF22-C37P-N	37	Plug	Threaded Inserts	8.28	7.82	7.59	5.55
806-KF22-C37P-NJ	KF22-C37P-NJ	37	Plug	4-40 Hex. Jack Screws Installed	8.50	8.03	7.79	5.70

Receptacle



KYCON KF66 SERIES - RIGHT ANGLE HIGH DENSITY, .350" FOOTPRINT

LR78160 E140125

Specifications:

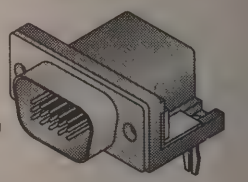
- PCB Mount - .350" Footprint
- Grounding board locks
- Riveted threaded inserts
- Shell: Steel, Tin plated
- Insulator: PBT Thermoplastic with glass-fiber reinforcement, UL94V-0 rated
- Color: Black
- Contact Material: Plug: Brass; Socket: Phosphor Bronze
- Contact Plating: Gold flash on mating end with Nickel underplate on entire contact Tin/Lead over Nickel on termination end
- Current Rating: 5A
- Voltage Rating: 300VDC
- Insulation Resistance: more than 1000 Megohms
- Operating Temperature: -55°C to +105°C

Features:

- EMI/RFI noise suppression in data communication lines
- Cost effective way to meet FCC and VDE Class B requirements
- Does not require any more board space that a standard D-Sub

Ferrite filters provide an easy and efficient way of reducing both radiated and conducted interference. KYCON uses a medium permeability nickel zinc ferrite material that is effective at attenuating frequencies above 30 MHz.

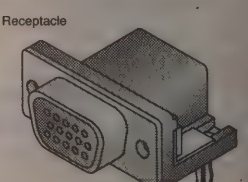
Ferrite Specifications		
Test Frequency	Outer Row	Inner Row
30 MHz	20-23 Ohms	31-38 Ohms
50 MHz	24-27 Ohms	37-43 Ohms
100 MHz	29-31 Ohms	41-48 Ohms


Plug

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Pin Count	Type	Description	Price Each			
					1	25	50	100
806-KF66-E15P-N	KF66-E15P-N	15	Plug	Threaded Inserts	6.93	6.54	6.34	4.64
806-KF66-E15P-NJ	KF66-E15P-NJ	15	Plug	4-40 Hex. Jack Screws Installed	7.14	6.74	6.54	4.78
806-KF66-E15S-N	KF66-E15S-N	15	Receptacle	Threaded Inserts	4.17	3.94	3.82	2.79
806-KF66-E15S-NJ	KF66-E15S-NJ	15	Receptacle	4-40 Hex. Jack Screws Installed	4.39	4.14	4.01	2.94
806-KF66-A26P-N	KF66-A26P-N	26	Plug	Threaded Inserts	8.49	8.01	7.77	5.68
806-KF66-A26P-NJ	KF66-A26P-NJ	26	Plug	4-40 Hex. Jack Screws Installed	8.70	8.21	7.96	5.82
806-KF66-A26S-N	KF66-A26S-N	26	Receptacle	Threaded Inserts	9.34	8.81	8.54	6.25
806-KF66-A26S-NJ	KF66-A26S-NJ	26	Receptacle	4-40 Hex. Jack Screws Installed	9.55	9.01	8.74	6.39
806-KF66-B44S-N	KF66-B44S-N	44	Receptacle	Threaded Inserts	14.50	13.68	13.27	9.71
806-KF66-B44S-NJ	KF66-B44S-NJ	44	Receptacle	4-40 Hex. Jack Screws Installed	14.71	13.88	13.46	9.85

Receptacle



KYCON KF66 VESA SERIES - RIGHT ANGLE HIGH DENSITY, .350" FOOTPRINT

LR78160 E14

Specifications:

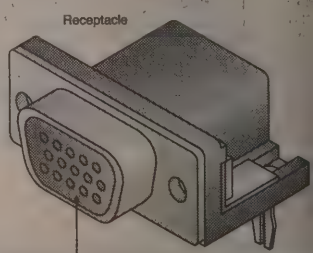
- PCB Mount - .350" Footprint
- Grounding board locks
- Riveted threaded inserts
- Shell: Steel, Tin plated
- Insulator: PBT Thermoplastic with glass-fiber reinforcement, UL94V-0 rated
- Color: Black
- Contact Material: Plug: Brass; Socket: Phosphor Bronze
- Contact Plating: Gold flash on mating end with Nickel underplate on entire contact Tin/Lead over Nickel on termination end
- Current Rating: 5A
- Voltage Rating: 300VDC
- Insulation Resistance: more than 1000 Megohms
- Operating Temperature: -55°C to +105°C

Features:

- Pin# 9 recessed 0.050" for last mate/first break on 5V supply voltage
- EMI/RFI noise suppression in data communication lines
- Cost effective way to meet FCC and VDE Class B requirements
- Does not require any more board space that a standard D-Sub

Ferrite filters provide an easy and efficient way of reducing both radiated and conducted interference. KYCON uses a medium permeability nickel zinc ferrite material that is effective at attenuating frequencies above 30 MHz.

Ferrite Specifications		
Test Frequency	Outer Row	Inner Row
30 MHz	20-23 Ohms	31-38 Ohms
50 MHz	24-27 Ohms	37-43 Ohms
100 MHz	29-31 Ohms	41-48 Ohms


Receptacle

Blue body color signifies 5V capability and full feature AccessBus capability.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Pin Count	Type	Description	Price Each			
					1	25	50	100
806-KF66-E15S-N-VESA	KF66-E15S-N-VESA	15	Receptacle	Threaded Inserts	4.17	3.94	3.82	2.79
806-KF66-E15S-NJVESA	KF66-E15S-NJ-VESA	15	Receptacle	4-40 Hex. Jack Screws Installed	4.39	4.14	4.01	2.94

NORCOMP D-Subminiature Connectors

NORCOMP
A DIVISION OF EDAC (AMERICA) LIMITED

ERIES 170 CRIMP AND POKE D-SUB CONNECTORS

ecifications:
hell: Steel, nickel plated
sulator: Glass-filled thermoplastic. U.L. rated 94V-O

Features:
- RoHS Compliance per NorComp documentation (Low Temperature Material)
- Allows for easy loading of only the positions required using Crimp and Snap-in contacts (sold separately)
- Contact current rating: 5 amps

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	No. of Positions	Type	Dimensions (In.)				Price Each			
					A	B	C	D	1	10	50	100
36-170-009-173L000	170-009-173L000	A	9	Male	1.213	0.984	0.666	0.329	.67	.56	.45	.39
36-170-015-173L000	170-015-173L000	A	15	Male	1.543	1.312	0.994	0.329	.78	.71	.68	.61
36-170-025-173L000	170-025-173L000	A	25	Male	2.087	1.852	1.534	0.329	.78	.71	.68	.65
36-170-037-173L000	170-037-173L000	A	37	Male	2.732	2.500	2.181	0.329	1.54	1.45	1.33	.90
36-170-050-173L000	170-050-173L000	A	50	Male	2.638	2.406	2.079	0.436	3.29	3.14	2.97	2.81
36-170-009-273L000	170-009-273L000	A	9	Female	1.213	0.984	0.642	0.311	.66	.61	.56	.51
36-170-015-273L000	170-015-273L000	A	15	Female	1.543	1.312	0.971	0.311	.81	.74	.65	.59
36-170-025-273L000	170-025-273L000	A	25	Female	2.087	1.852	1.512	0.311	.84	.72	.65	.51
36-170-037-27L3000	170-037-273L000	A	37	Female	2.732	2.500	2.157	0.311	1.26	1.21	1.16	1.11
36-170-050-273L000	170-050-273L000	A	50	Female	2.638	2.406	2.055	0.429	3.29	3.14	2.97	2.81

ERIES 170 CONTACTS

old flash on mating area nickel on wire crimp
ax. insulation diameter for 24-28 AWG is .035"

- RoHS Compliance per NorComp documentation

For quantities of 250 and up, call for quote.

36-170-101-170L001	170-101-170L001	B	Contact	Male	0.321	0.202	-	-	.12	.11	.10	.09
36-170-102-170L001	170-102-170L001	C	Contact	Female	0.312	0.230	0.063	-	.14	.13	.12	.11

ERIES 178, 179 AND 189-DUAL PORT D-SUB CONNECTORS

hell: Steel, nickel plated
sulator: Glass-filled thermoplastic. U.L. rated 94V-O

- RoHS Compliance per NorComp documentation (High Temperature Material - 260°)
- Hardware: Four 4-40 female screw locks, 4 forked board locks

For quantities of 250 and up, call for quote.

36-178-009-513R571	178-009-513R571	D	9	Fem/Fem	1.204	0.984	0.494	0.750	5.48	5.05	4.55	3.21
36-178-015-513R571	178-015-513R571	D	15	Fem/Fem	1.535	1.312	0.494	0.750	8.05	7.45	5.90	4.82
36-178-025-513R571	178-025-513R571	D	25	Fem/Fem	2.078	1.850	0.494	0.750	8.81	8.05	7.45	5.81
36-178-037-513R571	178-037-513R571	D	37	Fem/Fem	2.724	2.500	0.494	0.750	13.35	12.10	9.95	7.85
36-179-009-513R571	179-009-513R571	D	9	Fem/Fem	1.204	0.984	0.494	0.900	5.43	4.75	3.95	3.21
36-179-015-513R571	179-015-513R571	D	15	Fem/Fem	1.535	1.312	0.494	0.900	8.19	7.05	6.05	4.82
36-179-025-513R571	179-025-513R571	D	25	Fem/Fem	2.078	1.850	0.494	0.900	8.79	7.55	6.55	5.18
36-179-037-513R571	179-037-513R571	D	37	Fem/Fem	2.724	2.500	0.494	0.900	13.35	12.05	9.95	7.85
36-189-009-513R571	189-009-513R571	D	9	Fem/Fem	1.204	0.984	0.494	0.625	5.41	4.71	3.95	3.20
36-189-015-513R571	189-015-513R571	D	15	Fem/Fem	1.535	1.312	0.494	0.625	8.21	7.25	5.75	4.82
36-189-025-513R571	189-025-513R571	D	25	Fem/Fem	2.078	1.85	0.494	0.625	8.79	7.95	6.75	5.18
36-189-037-513R571	189-037-513R571	D	37	Fem/Fem	2.724	2.500	0.494	0.625	13.35	12.45	9.75	7.85

ERIES 182 AND 183-ECONOMY VERSION RIGHT ANGLE D-SUB CONNECTORS

hell: Steel, nickel plated
nsulator: Glass-filled thermoplastic. U.L. rated 94V-O
Contacts: Brass or Phosphor Bronze

- RoHS Compliance per NorComp documentation (High Temperature Material - 260°)
- Hardware: Two 4-40 inserts on mating side and 2 forked board locks
- Male shells have indents to provide grounding and additional retention
- Non-removable contacts

For quantities of 250 and up, call for quote.

36-182-009-113R531	182-009-113R531	E	9	Male	1.213	0.984	0.666	0.318	1.59	1.09	.98	.93
36-182-015-113R531	182-015-113R531	E	15	Male	1.541	1.312	0.994	0.318	1.83	1.25	1.12	1.07
36-182-025-113R531	182-025-113R531	E	25	Male	2.088	1.852	1.534	0.318	2.12	1.55	1.35	1.30
36-182-037-113R531	182-037-113R531	E	37	Male	2.729	2.500	2.181	0.318	3.49	2.95	2.25	2.05
36-182-009-213R531	182-009-213R531	E	9	Female	1.213	0.984	0.642	0.318	1.65	1.25	1.05	.98
36-182-015-213R531	182-015-213R531	E	15	Female	1.541	1.312	0.971	0.318	1.91	1.85	1.79	1.15
36-182-025-213R531	182-025-213R531	E	25	Female	2.088	1.852	1.512	0.318	2.19	1.92	1.65	1.29
36-182-037-213R531	182-037-213R531	E	37	Female	2.729	2.500	2.157	0.318	3.59	3.12	2.85	2.14
36-183-009-113R531	183-009-113R531	E	9	Male	1.213	0.984	0.666	0.590	2.22	2.11	1.98	1.89
36-183-015-113R531	183-015-113R531	E	15	Male	1.541	1.312	0.994	0.590	2.39	2.28	2.16	2.04
36-183-025-113R531	183-025-113R531	E	25	Male	2.088	1.852	1.534	0.590	2.90	2.76	2.61	2.47
36-183-037-113R531	183-037-113R531	E	37	Male	2.729	2.500	2.181	0.590	4.29	4.08	3.87	3.65
36-183-009-213R531	183-009-213R531	E	9	Female	1.213	0.984	0.642	0.590	2.14	2.03	1.92	1.81
36-183-015-213R531	183-015-213R531	E	15	Female	1.541	1.312	0.971	0.590	2.54	2.41	2.28	2.15
36-183-025-213R531	183-025-213R531	E	25	Female	2.088	1.852	1.512	0.590	3.08	2.92	2.77	2.61
36-183-037-213R531	183-037-213R531	E	37	Female	2.729	2.500	2.157	0.590	4.51	4.33	4.05	3.87

ERIES 180 HIGH DENSITY CRIMP AND POKE

hell: Steel, nickel plated
sulator: Glass-filled thermoplastic. U.L. rated 94V-O

- RoHS Compliance per NorComp documentation (Low Temperature Material)
- Male shells have indents to provide grounding and additional retention

For quantities of 250 and up, call for quote.

36-180-015-173L000	180-015-173L000	F	15	Male	1.213	0.984	0.666	0.329	1.91	1.75	1.45	1.25
36-180-026-173L000	180-026-173L000	F	26	Male	1.543	1.312	0.994	0.329	3.95	3.76	3.56	3.42
36-180-044-173L000	180-044-173L000	F	44	Male	2.087	1.852	1.534	0.329	6.75	5.89	5.25	4.45
36-180-062-173L000	180-062-173L000	F	62	Male	2.732	2.500	2.181	0.329	8.65	7.01	6.50	5.75
36-180-078-173L000	180-078-173L000	F	78	Male	2.803	2.406	2.079	0.445	14.75	13.35	10.55	9.04
36-180-015-273L000	180-015-273L000	F	15	Female	1.213	0.984	0.644	0.311	1.91	1.65	1.45	1.25
36-180-026-273L000	180-026-273L000	F	26	Female	1.543	1.312	0.966	0.311	6.15	5.49	4.75	3.65
36-180-044-273L000	180-044-273L000	F	44	Female	2.087	1.852	1.512	0.311	6.75	5.95	4.75	4.08
36-180-062-273L000	180-062-273L000	F	62	Female	2.732	2.500	2.156	0.311	8.05	7.15	6.75	4.85
36-180-078-273L000	180-078-273L000	F	78	Female	2.083	2.406	2.057	0.429	10.65	9.15	7.75	6.15

ERIES 180 CONTACTS

ting: Gold flash over 50 µ" nickel
re size: 22 - 26 AWG

- RoHS Compliance per NorComp documentation

For quantities of 250 and up, call for quote.

36-180-101-170L001	180-101-170L001	G	Contact	Male	0.276	0.240	-	-	.12	.11	.11	.10
36-180-102-170L001	180-102-170L001	H	Contact	Female	0.248	0.240	0.0512	-	.12	.11	.11	.10

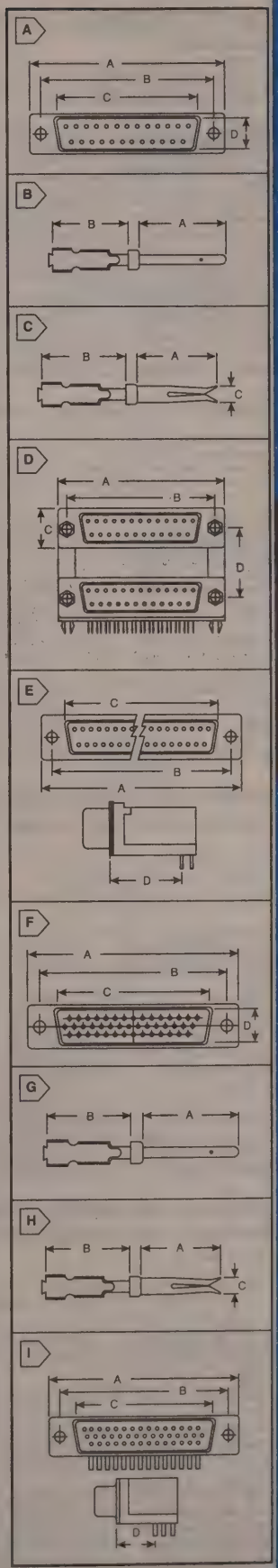
ERIES 181 HIGH DENSITY RIGHT ANGLE D-SUB CONNECTORS

ell: Steel, nickel plated
ulator: Glass-filled thermoplastic. U.L. rated 94V-O

- RoHS Compliance per NorComp documentation (High Temperature Material - 260°)
- Two 4-40 threaded inserts on mating side, inside ground straps

For quantities of 250 and up, call for quote.

36-181-015-213R171	181-015-213R171	I	15	Female	1.213	0.984	0.644	0.350	2.95	2.75	1.95	1.85
36-181-026-213R171	181-026-213R171	I	26	Female	1.543	1.312	0.966	0.350	8.35	7.45	6.55	4.95
36-181-044-213R171	181-044-213R171	I	44	Female	2.087	1.852	1.512	0.350	9.06	8.25	6.75	5.35
36-181-062-213R171	181-062-213R171	I	62	Female	2.732	2.500	2.156	0.350	11.95	10.35	8.75	6.95



NORCOMP D-Subminiature Connectors

NORCOM
A DIVISION OF EDAC (AMERICA) LIM

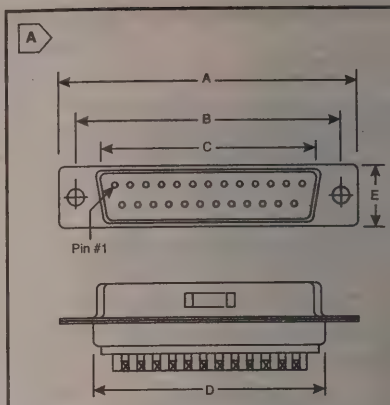
SERIES 171 STAMPED CONTACT D-SUB CONNECTORS - SOLDER CUP

Specifications:
- Nickel Shell
- Insulator: Glass-filled thermoplastic, UL94V-0
- Contacts: Male - Brass Pins, Female - Phosphor Bronze Pins
- Plating: Gold flash on the entire contact

Features:
- Low cost economy series
- Non-removable contacts
- Male nickel shells have indents to provide grounding and additional retention
- High performance, stamped contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	No. of Pos.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
Male												
636-171-009-102-001	171-009-102-001	A	9	1.213	0.984	0.666	0.756	0.496	.61	.59	.55	.52
636-171-015-102-001	171-015-102-001	A	15	1.543	1.312	0.994	1.091	0.496	.79	.74	.69	.65
636-171-025-102-001	171-025-102-001	A	25	2.087	1.852	1.534	1.618	0.496	.99	.94	.89	.85
636-171-037-102-001	171-037-102-001	A	37	2.732	2.500	2.181	2.256	0.496	1.94	1.89	1.79	1.13
636-171-050-102-001	171-050-102-001	A	50	2.638	2.406	2.079	2.169	0.602	4.07	3.96	3.83	2.38
Female												
636-171-009-202-001	171-009-202-001	A	9	1.213	0.984	0.666	0.756	0.496	.66	.63	.59	.55
636-171-015-202-001	171-015-202-001	A	15	1.543	1.312	0.994	1.091	0.496	.85	.81	.76	.76
636-171-025-202-001	171-025-202-001	A	25	2.087	1.852	1.534	1.618	0.496	1.00	.95	.86	.74
636-171-037-202-001	171-037-202-001	A	37	2.732	2.500	2.181	2.256	0.496	1.87	1.75	1.64	1.34
636-171-050-202-001	171-050-202-001	A	50	2.638	2.406	2.079	2.169	0.602	4.07	4.05	3.50	2.59



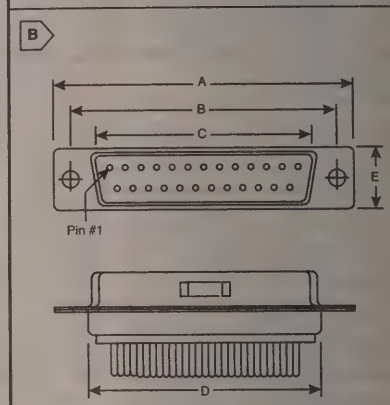
SERIES 171 STAMPED CONTACT D-SUB CONNECTORS - DIP SOLDER

Specifications:
- Shell: Nickel Plated Steel
- Insulator: Glass-filled thermoplastic, UL94V-0
- Contacts: Male - Brass Pins, Female - Phosphor Bronze Pins
- Plating: Gold flash on the entire contact

Features:
- Non-removable contacts
- Male nickel shells have indents to provide grounding and additional retention
- High performance, stamped contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	No. of Pos.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
Male												
636-171-009-112-001	171-009-112-001	B	9	1.213	0.984	0.666	0.756	0.496	1.13	1.09	1.05	.85
636-171-015-112-001	171-015-112-001	B	15	1.543	1.312	0.994	1.091	0.496	1.80	1.65	1.35	1.05
636-171-025-112-001	171-025-112-001	B	25	2.087	1.852	1.534	1.618	0.496	2.52	2.29	2.21	1.47
636-171-037-112-001	171-037-112-001	B	37	2.732	2.500	2.181	2.256	0.496	4.32	3.92	3.25	2.53
636-171-050-112-001	171-050-112-001	B	50	2.638	2.406	2.079	2.169	0.606	4.55	4.05	3.50	2.66
Female												
636-171-009-212-001	171-009-212-001	B	9	1.213	0.984	0.666	0.756	0.496	1.28	1.11	.85	.74
636-171-015-212-001	171-015-212-001	B	15	1.543	1.312	0.994	1.091	0.496	1.39	1.25	.99	.81
636-171-025-212-001	171-025-212-001	B	25	2.087	1.852	1.534	1.618	0.496	1.77	1.56	1.25	1.03
636-171-037-212-001	171-037-212-001	B	37	2.732	2.500	2.181	2.256	0.496	2.87	2.55	1.95	1.68
636-171-050-212-001	171-050-212-001	B	50	2.638	2.406	2.079	2.169	0.606	4.38	4.05	3.55	2.56



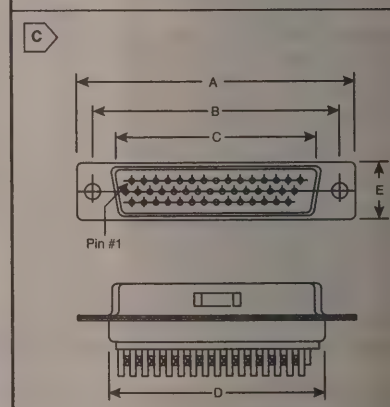
SERIES 180 STAMPED CONTACT D-SUB CONNECTORS - SOLDER CUP HIGH DENSITY

Specifications:
- Shell: Nickel Plated Steel
- Insulator: Glass-filled thermoplastic, UL94V-0
- Contacts: Male - Brass Pins, Female - Phosphor Bronze Pins
- Plating: Gold flash on the entire contact

Features:
- Interfaces with IBM PS/2
- Approximately 65% higher density than standard D-Subs
- Connectors will fit in standard D-sub backshells

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	No. of Pos.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
Male												
636-180-015-102-001	180-015-102-001	C	15	1.213	0.984	0.666	0.756	0.496	1.91	1.41	1.34	1.27
636-180-026-102	180-026-102-001	C	26	1.543	1.312	0.994	1.091	0.496	3.82	3.05	2.91	2.75
636-180-044-102-001	180-044-102-001	C	44	2.087	1.852	1.534	1.618	0.496	5.33	4.03	3.84	3.65
636-180-062-102-001	180-062-102-001	C	62	2.732	2.500	2.181	2.256	0.496	6.25	5.25	5.00	4.75
636-180-078-102	180-078-102-001	C	78	2.638	2.406	2.079	2.169	0.606	7.95	7.14	6.80	6.46
Female												
636-180-015-202-001	180-015-202-001	C	15	1.213	0.984	0.666	0.756	0.496	1.91	1.41	1.34	1.27
636-180-026-202	180-026-202-001	C	26	1.543	1.312	0.994	1.091	0.496	3.82	3.05	2.90	2.76
636-180-044-202-001	180-044-202-001	C	44	2.087	1.852	1.534	1.618	0.496	5.33	4.03	3.84	3.65
636-180-062-202-001	180-062-202-001	C	62	2.732	2.500	2.181	2.256	0.496	6.25	5.25	5.00	4.75
636-180-078-202	180-078-202-001	C	78	2.638	2.406	2.079	2.169	0.606	7.95	7.14	6.80	6.46



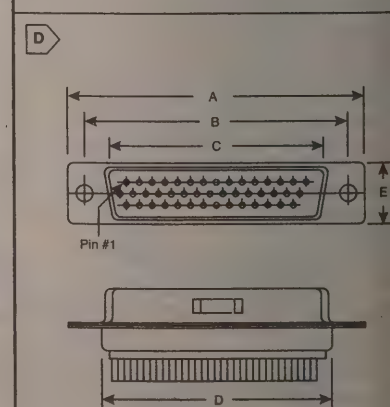
SERIES 180 STAMPED CONTACT D-SUB CONNECTORS - VERTICAL DIP HIGH DENSITY

Specifications:
- Shell: Nickel Plated Steel
- Insulator: Glass-filled thermoplastic, UL94V-0
- Contacts: Male - Brass Pins, Female - Phosphor Bronze Pins

Features:
- Interfaces with IBM PS/2
- Approximately 65% higher density than standard D-Subs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	No. of Pos.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
Male												
636-180-015-112-001	180-015-112-001	D	15	1.213	0.984	0.666	0.756	0.496	2.38	2.01	1.85	1.39
636-180-026-112-001	180-026-112-001	D	26	1.543	1.312	0.994	1.091	0.496	3.68	3.25	2.85	2.15
636-180-044-112-001	180-044-112-001	D	44	2.087	1.852	1.534	1.618	0.496	6.55	5.95	4.85	3.84
636-180-062-112-001	180-062-112-001	D	62	2.732	2.500	2.181	2.256	0.496	8.90	7.55	6.45	5.22
636-180-078-112-001	180-078-112-001	D	78	2.638	2.406	2.079	2.169	0.606	10.19	8.75	7.74	6.51
Female												
636-180-015-212-001	180-015-212-001	D	15	1.213	0.984	0.666	0.756	0.496	2.00	1.95	1.55	1.17
636-180-026-212-001	180-026-212-001	D	26	1.543	1.312	0.994	1.091	0.496	2.67	2.62	2.22	2.01
636-180-044-212-001	180-044-212-001	D	44	2.087	1.852	1.534	1.618	0.496	6.53	5.53	4.45	3.82
636-180-062-212-001	180-062-212-001	D	62	2.732	2.500	2.181	2.256	0.496	9.02	8.55	7.95	5.28
636-180-078-212-001	180-078-212-001	D	78	2.638	2.406	2.079	2.169	0.606	12.76	11.25	9.75	7.48



SERIES 172 MACHINED CONTACT D-SUB CONNECTORS

Solder Cup

Specifications:
Insulator: Glass-filled thermoplastic, UL94V-0.
Shell: Steel, plated with bright tin over nickel.
Machined Contacts: Brass male and female pins.
Plating: Gold flash over entire contact area.

Features:
- Non-removable contacts.
- Tin shells have indents to provide grounding and additional retention.
- Screw machine contacts offer high reliability.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	No. of Contacts	Type	Hardware	Price Each			
					1	10	50	100
636-E09-102-001	172-E09-102-001	9	Male	- - -	2.12	1.83	1.61	1.24
636-E09-202-001	172-E09-202-001	9	Female	- - -	2.41	2.08	1.83	1.41
636-E09-102-011	172-E09-102-011	9	Male	.098" Clinch Nuts, Board Side	2.23	2.12	2.01	1.80
636-E09-202-011	172-E09-202-011	9	Female	.098" Clinch Nuts, Board Side	2.44	2.32	2.20	1.97
636-E09-102-021	172-E09-102-021	9	Male	.250" Clinch Nuts, Board Side	2.23	2.12	2.01	1.80
636-E09-202-021	172-E09-202-021	9	Female	.250" Clinch Nuts, Board Side	2.44	2.32	2.20	1.97
636-E09-102-031	172-E09-102-031	9	Male	.250" Clinch Nuts, Mating Side	2.23	2.12	2.01	1.80
636-E09-202-031	172-E09-202-031	9	Female	.250" Clinch Nuts, Mating Side	2.44	2.32	2.20	1.97
636-E15-102-001	172-E15-102-001	15	Male	- - -	2.67	2.30	2.02	1.56
636-E15-202-001	172-E15-202-001	15	Female	- - -	3.22	2.78	2.44	1.89
636-E15-102-011	172-E15-102-011	15	Male	.098" Clinch Nuts, Board Side	2.63	2.50	2.38	2.13
636-E15-202-011	172-E15-202-011	15	Female	.098" Clinch Nuts, Board Side	3.02	2.88	2.74	2.45
636-E15-102-021	172-E15-102-021	15	Male	.250" Clinch Nuts, Board Side	2.63	2.50	2.38	2.13
636-E15-202-021	172-E15-202-021	15	Female	.250" Clinch Nuts, Board Side	3.02	2.88	2.74	2.45
636-E15-102-031	172-E15-102-031	15	Male	.250" Clinch Nuts, Mating Side	2.63	2.50	2.38	2.13
636-E15-202-031	172-E15-202-031	15	Female	.250" Clinch Nuts, Mating Side	3.02	2.88	2.74	2.45
636-E25-102-001	172-E25-102-001	25	Male	- - -	3.45	2.98	2.62	2.02
636-E25-202-001	172-E25-202-001	25	Female	- - -	4.75	4.10	3.73	2.79
636-E25-102-011	172-E25-102-011	25	Male	.098" Clinch Nuts, Board Side	3.19	3.04	2.89	2.58
636-E25-202-011	172-E25-202-011	25	Female	.098" Clinch Nuts, Board Side	3.76	3.58	3.40	3.35
636-E25-102-021	172-E25-102-021	25	Male	.250" Clinch Nuts, Board Side	3.19	3.04	2.89	2.58
636-E25-202-021	172-E25-202-021	25	Female	.250" Clinch Nuts, Board Side	3.76	3.58	3.40	3.35
636-E25-102-031	172-E25-102-031	25	Male	.250" Clinch Nuts, Mating Side	3.19	3.04	2.89	2.58
636-E25-202-031	172-E25-202-031	25	Female	.250" Clinch Nuts, Mating Side	3.76	3.58	3.40	3.35
636-E37-102-001	172-E37-102-001	37	Male	- - -	4.64	4.00	3.52	2.72
636-E37-202-001	172-E37-202-001	37	Female	- - -	4.24	4.04	3.84	3.78
636-E37-102-011	172-E37-102-011	37	Male	.098" Clinch Nuts, Board Side	4.05	3.86	3.67	3.28
636-E37-202-011	172-E37-202-011	37	Female	.098" Clinch Nuts, Board Side	4.87	4.64	4.41	4.34
636-E37-102-021	172-E37-102-021	37	Male	.250" Clinch Nuts, Board Side	4.05	3.86	3.67	3.28
636-E37-202-021	172-E37-202-021	37	Female	.250" Clinch Nuts, Board Side	4.87	4.64	4.41	4.34
636-E37-102-031	172-E37-102-031	37	Male	.250" Clinch Nuts, Mating Side	4.05	3.86	3.67	3.28
636-E37-202-031	172-E37-202-031	37	Female	.250" Clinch Nuts, Mating Side	4.87	4.64	4.41	4.34
636-E50-102-001	172-E50-102-001	50	Male	- - -	6.01	5.72	5.43	4.86
636-E50-202-001	172-E50-202-001	50	Female	- - -	11.75	10.80	9.50	7.34
636-E50-102-011	172-E50-102-011	50	Male	.098" Clinch Nuts, Board Side	6.70	6.38	6.06	5.42
636-E50-202-011	172-E50-202-011	50	Female	.098" Clinch Nuts, Board Side	9.77	9.30	8.84	7.91
636-E50-102-021	172-E50-102-021	50	Male	.250" Clinch Nuts, Board Side	6.70	6.38	6.06	5.42
636-E50-202-021	172-E50-202-021	50	Female	.250" Clinch Nuts, Board Side	9.77	9.30	8.84	7.91
636-E50-102-031	172-E50-102-031	50	Male	.250" Clinch Nuts, Mating Side	6.70	6.38	6.06	5.42
636-E50-202-031	172-E50-202-031	50	Female	.250" Clinch Nuts, Mating Side	9.77	9.30	8.84	7.91

SERIES 172 MACHINED CONTACT D-SUB CONNECTORS

Dip Solder - PCB Mount

Specifications:
Insulator: Glass-filled thermoplastic, UL94V-0.
Shell: Steel, plated with bright tin over nickel.
Machined Contacts: Brass male and female pins.
Plating: Gold flash over entire contact area.

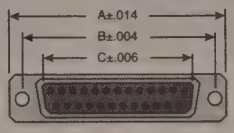
Features:
- Non-removable contacts.
- Tin shells have indents to provide grounding and additional retention.
- Screw machine contacts offer high reliability.

For quantities of 500 and up, call for quote.

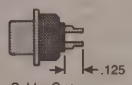
MOUSER STOCK NO.	NorComp Part No.	No. of Contacts	Type	Hardware	Price Each			
					1	10	50	100
636-E09-112-001	172-E09-112-001	9	Male	- - -	2.18	1.88	1.65	1.28
636-E09-212-001	172-E09-212-001	9	Female	- - -	1.97	1.88	1.79	1.60
636-E09-112-011	172-E09-112-011	9	Male	.098" Clinch Nuts, Board Side	2.27	2.16	2.05	1.84
636-E09-212-011	172-E09-212-011	9	Female	.098" Clinch Nuts, Board Side	3.68	3.18	2.79	2.16
636-E09-112-021	172-E09-112-021	9	Male	.250" Clinch Nuts, Board Side	2.27	2.16	2.05	1.84
636-E09-212-021	172-E09-212-021	9	Female	.250" Clinch Nuts, Board Side	3.68	3.18	2.79	2.16
636-E09-112-031	172-E09-112-031	9	Male	.250" Clinch Nuts, Mating Side	2.27	2.16	2.05	1.84
636-E09-212-031	172-E09-212-031	9	Female	.250" Clinch Nuts, Mating Side	2.67	2.54	2.41	2.16
636-E15-112-001	172-E15-112-001	15	Male	- - -	2.12	2.02	1.92	1.72
636-E15-212-001	172-E15-212-001	15	Female	- - -	2.88	2.74	2.60	2.23
636-E15-112-011	172-E15-112-011	15	Male	.098" Clinch Nuts, Board Side	2.81	2.68	2.55	2.28
636-E15-212-011	172-E15-212-011	15	Female	.098" Clinch Nuts, Board Side	3.44	3.28	3.12	2.79
636-E15-112-021	172-E15-112-021	15	Male	.250" Clinch Nuts, Board Side	2.81	2.68	2.55	2.28
636-E15-212-021	172-E15-212-021	15	Female	.250" Clinch Nuts, Board Side	3.44	3.28	3.12	2.79
636-E15-112-031	172-E15-112-031	15	Male	.250" Clinch Nuts, Mating Side	2.81	2.68	2.55	2.28
636-E15-212-031	172-E15-212-031	15	Female	.250" Clinch Nuts, Mating Side	3.44	3.28	3.12	2.79
636-E25-112-001	172-E25-112-001	25	Male	- - -	2.63	2.50	2.38	2.13
636-E25-212-001	172-E25-212-001	25	Female	- - -	3.72	3.54	3.36	3.31
636-E25-112-011	172-E25-112-011	25	Male	.098" Clinch Nuts, Board Side	3.32	3.16	3.00	2.69
636-E25-212-011	172-E25-212-011	25	Female	.098" Clinch Nuts, Board Side	4.35	4.14	3.93	3.87
636-E25-112-021	172-E25-112-021	25	Male	.250" Clinch Nuts, Board Side	3.32	3.16	3.00	2.69
636-E25-212-021	172-E25-212-021	25	Female	.250" Clinch Nuts, Board Side	4.35	4.14	3.93	3.87
636-E25-112-031	172-E25-112-031	25	Male	.250" Clinch Nuts, Mating Side	3.32	3.16	3.00	2.69
636-E25-212-031	172-E25-212-031	25	Female	.250" Clinch Nuts, Mating Side	4.35	4.14	3.93	3.87

Dimensional Drawing

No. of Positions	Dimensions (In.)		
	A	B	C
09	1.213	0.984	0.666
15	1.543	1.312	0.944
25	2.087	1.852	1.534
37	2.732	2.500	2.181
50	2.638	2.406	2.079



Termination



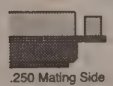
Solder Cup

DIP Solder

Clinch Nut Hardware

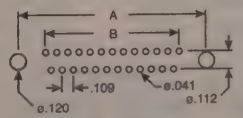
.098 Board Side

.250 Board Side

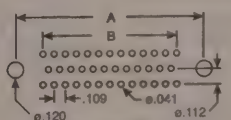

.250 Mating Side

Foot Print

No. of Positions	Dimensions (In.)	
	A	B
09	.984	.433
15	1.312	.757
25	1.852	1.305
37	2.500	1.957
50	2.406	1.740



(9, 15, 25, 37 Positions)



(50 Positions)

SERIES 172 MACHINED CONTACT D-SUB CONNECTORS

Dip Solder - PCB Mount (cont. from previous page)

Specifications:
- Insulator: Glass-filled thermoplastic, UL94V-0.
- Shell: Steel, plated with bright tin over nickel.
- Machined Contacts: Brass male and female pins.
- Plating: Gold flash over entire contact area.

Features:
- Non-removable contacts.
- Tin shells have indents to provide grounding and additional retention.
- Screw machine contacts offer high reliability.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	No. of Contacts	Type	Hardware	Price Each 1	10	50	100
636-E37-112-001	172-E37-112-001	37	Male	- - -	4.99	4.30	3.78	2.92
636-E37-212-001	172-E37-212-001	37	Female	- - -	5.75	5.00	4.75	4.50
636-E37-112-011	172-E37-112-011	37	Male	.098" Clinch Nuts, Board Side	4.31	4.10	3.90	3.49
636-E37-212-011	172-E37-212-011	37	Female	.098" Clinch Nuts, Board Side	5.88	5.60	5.32	5.04
636-E37-112-021	172-E37-112-021	37	Male	.250" Clinch Nuts, Board Side	5.95	5.13	4.51	3.49
636-E37-212-021	172-E37-212-021	37	Female	.250" Clinch Nuts, Board Side	5.88	5.60	5.32	5.04
636-E37-112-031	172-E37-112-031	37	Male	.250" Clinch Nuts, Mating Side	5.95	5.13	4.51	3.49
636-E37-212-031	172-E37-212-031	37	Female	.250" Clinch Nuts, Mating Side	6.44	5.60	5.32	5.04
636-E50-112-001	172-E50-112-001	50	Male	- - -	6.57	5.72	5.44	4.86
636-E50-212-001	172-E50-212-001	50	Female	- - -	8.39	7.30	6.94	6.21
636-E50-112-011	172-E50-112-011	50	Male	.098" Clinch Nuts, Board Side	7.34	6.38	6.06	5.42
636-E50-212-011	172-E50-212-011	50	Female	.098" Clinch Nuts, Board Side	9.15	7.96	7.56	6.77
636-E50-112-021	172-E50-112-021	50	Male	.250" Clinch Nuts, Board Side	7.01	6.38	6.07	5.42
636-E50-212-021	172-E50-212-021	50	Female	.250" Clinch Nuts, Board Side	8.75	7.96	7.56	6.77
636-E50-112-031	172-E50-112-031	50	Male	.250" Clinch Nuts, Mating Side	7.02	6.38	6.06	5.42
636-E50-212-031	172-E50-212-031	50	Female	.250" Clinch Nuts, Mating Side	8.36	7.96	7.56	6.77

SERIES 172 MACHINED CONTACT D-SUB CONNECTORS

Wire Wrap

Specifications:
- Insulator: Glass-filled thermoplastic, UL94V-0.
- Shell: Steel, plated with bright tin over nickel.
- Machined Contacts: Brass male and female pins.
- Plating: Gold flash over entire contact area.

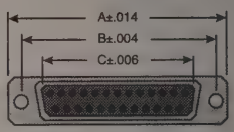
Features:
- Non-removable contacts.
- Tin shells have indents to provide grounding and additional retention.
- Screw machine contacts offer high reliability.

For quantities of 500 and up, call for quote.

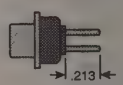
MOUSER STOCK NO.	NorComp Part No.	No. of Contacts	Type	Hardware	Price Each 1	10	50	100
636-E09-142-001	172-E09-142-001	9	Male	- - -	2.13	1.94	1.84	1.65
636-E09-242-001	172-E09-242-001	9	Female	- - -	2.57	2.34	2.22	1.99
636-E09-142-011	172-E09-142-011	9	Male	.098" Clinch Nuts, Board Side	2.79	2.54	2.41	2.29
636-E09-242-011	172-E09-242-011	9	Female	.098" Clinch Nuts, Board Side	3.23	2.94	2.79	2.50
636-E09-142-021	172-E09-142-021	9	Male	.250" Clinch Nuts, Board Side	2.79	2.54	2.41	2.16
636-E09-242-021	172-E09-242-021	9	Female	.250" Clinch Nuts, Board Side	3.23	2.94	2.79	2.50
636-E09-142-031	172-E09-142-031	9	Male	.250" Clinch Nuts, Mating Side	2.79	2.54	2.41	2.16
636-E09-242-031	172-E09-242-031	9	Female	.250" Clinch Nuts, Mating Side	3.23	2.94	2.79	2.50
636-E15-142-001	172-E15-142-001	15	Male	- - -	3.25	2.96	2.81	2.52
636-E15-242-001	172-E15-242-001	15	Female	- - -	3.83	3.48	3.31	3.13
636-E15-142-011	172-E15-142-011	15	Male	.098" Clinch Nuts, Board Side	3.92	3.56	3.38	3.03
636-E15-242-011	172-E15-242-011	15	Female	.098" Clinch Nuts, Board Side	4.49	4.08	3.88	3.47
636-E15-142-021	172-E15-142-021	15	Male	.250" Clinch Nuts, Board Side	3.92	3.56	3.38	3.03
636-E15-242-021	172-E15-242-021	15	Female	.250" Clinch Nuts, Board Side	4.49	4.08	3.88	3.47
636-E15-142-031	172-E15-142-031	15	Male	.250" Clinch Nuts, Mating Side	3.92	3.56	3.38	3.03
636-E15-242-031	172-E15-242-031	15	Female	.250" Clinch Nuts, Mating Side	4.49	4.08	3.88	3.47
636-E25-142-001	172-E25-142-001	25	Male	- - -	4.71	4.28	4.07	3.64
636-E25-242-001	172-E25-242-001	25	Female	- - -	7.57	6.88	6.54	6.19
636-E25-142-011	172-E25-142-011	25	Male	.098" Clinch Nuts, Board Side	5.37	4.88	4.64	4.15
636-E25-242-011	172-E25-242-011	25	Female	.098" Clinch Nuts, Board Side	8.23	7.48	7.11	6.73
636-E25-142-021	172-E25-142-021	25	Male	.250" Clinch Nuts, Board Side	5.37	4.88	4.64	4.15
636-E25-242-021	172-E25-242-021	25	Female	.250" Clinch Nuts, Board Side	8.23	7.48	7.11	6.73
636-E25-142-031	172-E25-142-031	25	Male	.250" Clinch Nuts, Mating Side	5.37	4.88	4.64	4.15
636-E25-242-031	172-E25-242-031	25	Female	.250" Clinch Nuts, Mating Side	8.23	7.48	7.11	6.73
636-E37-142-001	172-E37-142-001	37	Male	- - -	6.73	6.12	5.81	5.20
636-E37-242-001	172-E37-242-001	37	Female	- - -	8.43	7.66	7.28	6.89
636-E37-142-011	172-E37-142-011	37	Male	.098" Clinch Nuts, Board Side	7.39	6.72	6.38	5.71
636-E37-242-011	172-E37-242-011	37	Female	.098" Clinch Nuts, Board Side	9.08	8.26	7.85	7.43
636-E37-142-021	172-E37-142-021	37	Male	.250" Clinch Nuts, Board Side	7.39	6.72	6.38	5.71
636-E37-242-021	172-E37-242-021	37	Female	.250" Clinch Nuts, Board Side	9.08	8.26	7.85	7.43
636-E37-142-031	172-E37-142-031	37	Male	.250" Clinch Nuts, Mating Side	7.39	6.72	6.38	5.71
636-E37-242-031	172-E37-242-031	37	Female	.250" Clinch Nuts, Mating Side	9.08	8.26	7.85	7.43
636-E50-142-001	172-E50-142-001	50	Male	- - -	8.80	8.00	7.60	6.80
636-E50-242-001	172-E50-242-001	50	Female	- - -	11.48	10.44	9.92	8.87
636-E50-142-011	172-E50-142-011	50	Male	.098" Clinch Nuts, Board Side	9.46	8.60	8.17	7.31
636-E50-242-011	172-E50-242-011	50	Female	.098" Clinch Nuts, Board Side	12.14	11.04	10.49	9.38
636-E50-142-021	172-E50-142-021	50	Male	.250" Clinch Nuts, Board Side	9.46	8.60	8.17	7.31
636-E50-242-021	172-E50-242-021	50	Female	.250" Clinch Nuts, Board Side	12.14	11.04	10.49	9.38
636-E50-142-031	172-E50-142-031	50	Male	.250" Clinch Nuts, Mating Side	9.46	8.60	8.17	7.31
636-E50-242-031	172-E50-242-031	50	Female	.250" Clinch Nuts, Mating Side	12.14	11.04	10.49	9.38

Dimensional Drawing

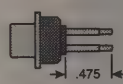
No. of Positions	Dimensions (In.) A	B	C
09	1.213	0.984	0.666
15	1.543	1.312	0.944
25	2.087	1.852	1.534
37	2.732	2.500	2.181
50	2.638	2.406	2.079



Termination



DIP Solder

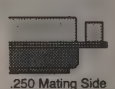


2 Level Wire Wrap

Clinch Nut Hardware

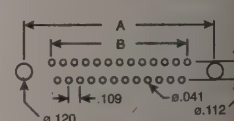
.098 Board Side

.250 Board Side

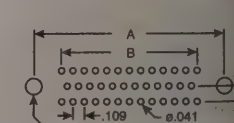

.250 Mating Side

Foot Print

No. of Positions	Dimensions (In.) A	B
09	.984	.433
15	1.312	.757
25	1.852	1.305
37	2.500	1.957
50	2.406	1.740



(9, 15, 25, 37 Positions)



(50 Positions)

-SUB BACKSHELLS

- Perimeter sealing lips for secure assembly.
- Die Cast Material: Lightweight zinc
- Die Cast Plating: Nickel over copper or black chromate
- Metalized Plastic Material: High temperature plastic UL94V-0
- Metalized Plastic Plating: Nickel over copper
- Plastic Material: High temperature plastic UL94V-2

70 and 971 Series Backshells

Kit includes: (2) Backshell Halves, (2) 4-40 Thumbscrews, (2) Housing Screws, 2 pc. Grommet - Various sizes
Fully tapped assembly holes allow easy assembly.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	D-Sub Size	Type	Price Each 1	10	50	100
Straight/Top Entry - 970 Series								
636-970-009-030-121	970-009-030-121	A	9	Die Cast - Nickel	4.20	4.00	3.80	3.40
636-970-009-040-011	970-009-040-011	A	9	Die Cast - Black	5.31	5.06	4.81	4.30
636-970-009-020-121	970-009-020-121	A	9	Metalized Plastic	3.93	3.74	3.55	3.18
636-970-009-010-011	970-009-010-011	A	9	Black Plastic	1.91	1.82	1.73	1.55
636-970-015-030-121	970-015-030-121	A	15	Die Cast - Nickel	4.99	4.76	4.52	4.05
636-970-015-040-011	970-015-040-011	A	15	Die Cast - Black	6.11	5.82	5.53	4.95
636-970-015-020-121	970-015-020-121	A	15	Metalized Plastic	4.07	3.88	3.61	3.30
636-970-015-010-011	970-015-010-011	A	15	Black Plastic	1.91	1.82	1.73	1.55
636-970-025-030-121	970-025-030-121	A	25	Die Cast - Nickel	4.99	4.76	4.52	4.05
636-970-025-040-011	970-025-040-011	A	25	Die Cast - Black	6.11	5.82	5.53	4.95
636-970-025-020-121	970-025-020-121	A	25	Metalized Plastic	4.24	4.04	3.84	3.43
636-970-025-010-011	970-025-010-011	A	25	Black Plastic	2.00	1.90	1.81	1.62
636-970-037-030-121	970-037-030-121	A	37	Die Cast - Nickel	7.64	7.28	6.92	6.19
636-970-037-040-011	970-037-040-011	A	37	Die Cast - Black	8.13	7.74	7.35	6.58
636-970-037-020-121	970-037-020-121	A	37	Metalized Plastic	4.24	4.04	3.84	3.43
636-970-037-010-011	970-037-010-011	A	37	Black Plastic	2.08	1.96	1.88	1.68
45 Degree Entry - 971 Series								
636-971-009-030-121	971-009-030-121	B	9	Die Cast - Nickel	4.20	4.00	3.80	3.40
636-971-009-040-011	971-009-040-011	B	9	Die Cast - Black	5.31	5.06	4.81	4.30
636-971-009-020-121	971-009-020-121	B	9	Metalized Plastic	3.93	3.74	3.55	3.18
636-971-009-010-011	971-009-010-011	B	9	Black Plastic	1.91	1.82	1.73	1.55
636-971-015-030-121	971-015-030-121	B	15	Die Cast - Nickel	4.99	4.76	4.52	4.05
636-971-015-040-011	971-015-040-011	B	15	Die Cast - Black	6.11	5.82	5.53	4.95
636-971-015-020-121	971-015-020-121	B	15	Metalized Plastic	4.07	3.88	3.61	3.30
636-971-015-010-011	971-015-010-011	B	15	Black Plastic	1.91	1.82	1.73	1.55
636-971-025-030-121	971-025-030-121	B	25	Die Cast - Nickel	4.99	4.76	4.52	4.05
636-971-025-040-011	971-025-040-011	B	25	Die Cast - Black	6.11	5.82	5.53	4.95
636-971-025-020-121	971-025-020-121	B	25	Metalized Plastic	4.24	4.04	3.84	3.43
636-971-025-010-011	971-025-010-011	B	25	Black Plastic	2.00	1.90	1.81	1.62
636-971-037-030-121	971-037-030-121	B	37	Die Cast - Nickel	7.64	7.28	6.92	6.19
636-971-037-040-011	971-037-040-011	B	37	Die Cast - Black	8.13	7.74	7.35	6.58
636-971-037-020-121	971-037-020-121	B	37	Metalized Plastic	4.73	4.50	4.28	3.83
636-971-037-010-011	971-037-010-011	B	37	Black Plastic	2.08	1.96	1.88	1.68

lastic Slim Line Clam Shell Style Backshells - Straight/Top Entry - 972 Series

Kit includes: (1) Backshell, (2) 4-40 Thumbscrews, (1) Plastic Strain Relief, (1) Metal Strain Relief Clamp, (2) Strain Relief Screws
"Slim Line" version for critical space requirements.
Fast assembly cable clamp with high quality self-tapping screws.
- One piece clam construction aids assembly.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	D-Sub Size	Plastic Color	Price Each 1	10	50	100
636-972-009-01S-011	972-009-01S-011	C	9	Black	1.91	1.82	1.73	1.55
636-972-009-01S-031	972-009-01S-031	C	9	Gray	1.91	1.82	1.73	1.55
636-972-009-01S-061	972-009-01S-061	C	9	Red	1.91	1.82	1.73	1.55
636-972-009-01S-081	972-009-01S-081	C	9	Yellow	1.91	1.82	1.73	1.55
636-972-015-01S-011	972-015-01S-011	C	15	Black	2.00	1.90	1.81	1.62
636-972-015-01S-031	972-015-01S-031	C	15	Gray	2.00	1.90	1.81	1.62
636-972-015-01S-061	972-015-01S-061	C	15	Red	2.00	1.90	1.81	1.62
636-972-015-01S-081	972-015-01S-081	C	15	Yellow	2.00	1.90	1.81	1.62
636-972-025-01S-011	972-025-01S-011	C	25	Black	2.10	2.00	1.90	1.80
636-972-025-01S-031	972-025-01S-031	C	25	Gray	2.10	2.00	1.90	1.80
636-972-025-01S-061	972-025-01S-061	C	25	Red	2.10	2.00	1.90	1.80
636-972-025-01S-081	972-025-01S-081	C	25	Yellow	2.10	2.00	1.90	1.80
636-972-037-01S-011	972-037-01S-011	C	37	Black	2.25	2.14	2.03	1.93
636-972-037-01S-031	972-037-01S-031	C	37	Gray	2.25	2.14	2.03	1.93
636-972-037-01S-061	972-037-01S-061	C	37	Red	2.25	2.14	2.03	1.93
636-972-037-01S-081	972-037-01S-081	C	37	Yellow	2.25	2.14	2.03	1.93

traight/Top Entry Backshells - 973 Series

Kit includes: (2) Backshell Halves, (2) 4-40 Thumbscrews, (1) Metal Strain Relief Clamp, (2) Strain Relief Screws, (2) Housing Screws
Metalized plastic provides up to 60 dB shielding.

For quantities of 500 and up, call for quote.

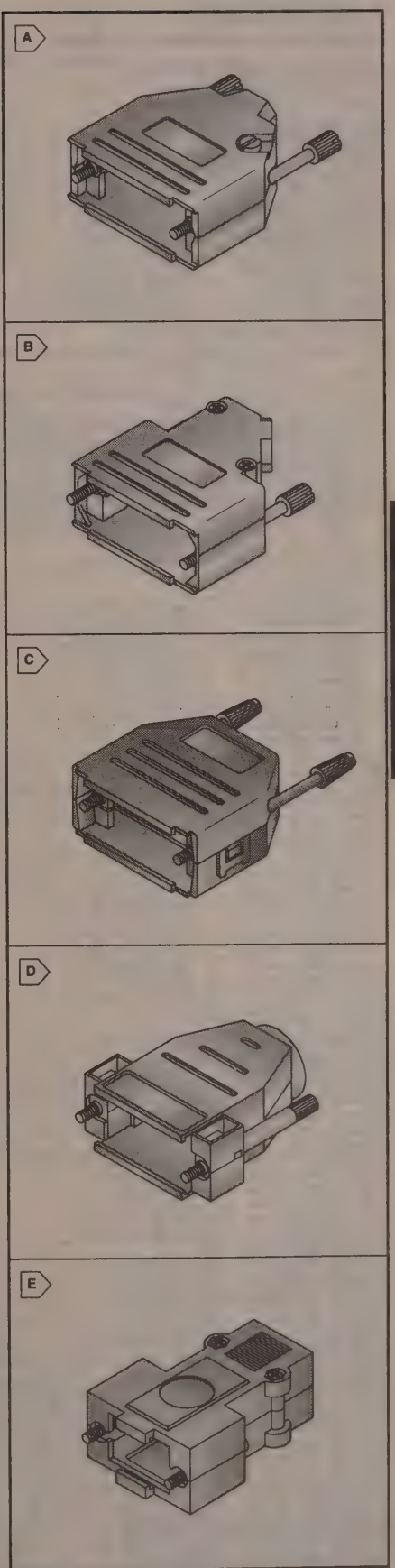
MOUSER STOCK NO.	NorComp Part No.	Fig.	D-Sub Size	Type	Price Each 1	10	50	100
636-973-009-020-121	973-009-020-121	D	9	Metalized Plastic	5.25	5.00	4.75	4.25
636-973-009-010-011	973-009-010-011	D	9	Black Plastic	2.79	2.66	2.53	2.26
636-973-015-020-121	973-015-020-121	D	15	Metalized Plastic	5.44	5.18	4.92	4.40
636-973-015-010-011	973-015-010-011	D	15	Black Plastic	2.92	2.78	2.64	2.36
636-973-025-020-121	973-025-020-121	D	25	Metalized Plastic	7.54	7.18	6.82	6.10
636-973-025-010-011	973-025-010-011	D	25	Black Plastic	3.07	2.92	2.77	2.48
636-973-037-020-121	973-037-020-121	D	37	Metalized Plastic	7.54	7.18	6.82	6.10
636-973-037-010-011	973-037-010-011	D	37	Black Plastic	3.72	3.54	3.36	3.01

at Ribbon Backshells - 976 Series

Kit includes: (2) Backshell Halves, (2) 4-40 Retention Screws, (2) Housing Screws, (2) Housing Nuts
Works with most industry standard IDC Ribbon D-Sub Connectors
Integral strain relief built into backshell
- Material: ABS High temperature plastic

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	D-Sub Size	Type	Price Each 1	10	50	100
636-976-009-010-031	976-009-010-031	E	9	Gray Plastic	.92	.88	.84	.79
636-976-015-010-031	976-015-010-031	E	15	Gray Plastic	1.03	.98	.93	.88
636-976-025-010-031	976-025-010-031	E	25	Gray Plastic	1.20	1.14	1.08	1.03
636-976-037-010-031	976-037-010-031	E	37	Gray Plastic	1.30	1.24	1.18	1.12



D-SUB BACKSHELLS

Straight/Top Entry Backshells - 978 Series

- Kit includes: (2) Backshell Halves, (2) 4-40 Mounting Screws, (2) Saddle Washers, (2) Housing Screws, (2) 4-40 Housing Nuts, (1) Strain Relief Threaded Rod
- Metalized plastic provides up to 60 dB shielding.
- Metalized Plastic Material: High temperature - UL94H-B
- Plastic: High temperature plastic - UL94H-B
- Strain Relief design ensures secure fit no matter what cable diameter is used.
- Metalized Plastic Plating: Chrome
- Perimeter sealing lips for secure assembly.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	D-Sub Size	Type	Price Each 1	10	50	100
636-978-009-010-031	978-009-010-031	A	9	Gray Plastic	1.10	.95	.82	.65
636-978-009-020-121	978-009-020-121	A	9	Metalized Plastic	1.07	1.02	.97	.81
636-978-015-010-031	978-015-010-031	A	15	Gray Plastic	1.19	1.02	.88	.70
636-978-015-020-121	978-015-020-121	A	15	Metalized Plastic	1.20	1.14	1.08	.90
636-978-025-010-031	978-025-010-031	A	25	Gray Plastic	1.24	1.07	.92	.73
636-978-025-020-121	978-025-020-121	A	25	Metalized Plastic	1.30	1.24	1.18	.98
636-978-037-010-031	978-037-010-031	A	37	Gray Plastic	1.16	1.10	1.05	.99
636-978-037-020-121	978-037-020-121	A	37	Metalized Plastic	1.53	1.46	1.39	1.17
636-978-050-010-031	978-050-010-031	A	50	Gray Plastic	1.37	1.30	1.24	1.03
636-978-050-020-121	978-050-020-121	A	50	Metalized Plastic	1.62	1.54	1.46	1.23

Top Entry Backshells - 979 Series

- Kit includes: (2) Backshell Halves, (2) 4-40 Mounting Screws, (2) Saddle Washers, (2) Housing Screws, (2) 4-40 Housing Nuts, (1) Grommet Tree - Various Sizes
- Die Cast Zinc backshell is nickel plated for over 70 dB shielding.
- Conductive grommet/strain relief supplied to enhance EMI/RFI shielding
- Backshell cable entry designed for sure grip on cable jacket or grommet and provide proper strain relief.
- Perimeter sealing lips for secure assembly.

For quantities of 500 and up, call for quote.

636-979-009-030-121	979-009-030-121	B	9	Die Cast - Nickel	2.64	2.28	1.82	1.55
636-979-015-030-121	979-015-030-121	B	15	Die Cast - Nickel	3.10	2.68	2.12	1.82
636-979-025-030-121	979-025-030-121	B	25	Die Cast - Nickel	2.88	2.74	2.47	2.29
636-979-037-030-121	979-037-030-121	B	37	Die Cast - Nickel	3.89	3.70	3.52	3.09
636-979-050-030-121	979-050-030-121	B	50	Die Cast - Nickel	4.62	4.40	4.18	3.96

Straight/90 Degree Backshells - 982 Series

- Kit includes: (2) Backshell Halves, (2) 4-40 Mounting Screws, (2) Strain Relief Clamps, (2) Strain Relief Screws, (1) Compression Spring, (1) Cable Slot Shut-Off, (1) Cable Slot Feed-Thru, (3) Housing Screws
- Metalized plastic provides up to 60 dB shielding.
- Metalized Plastic Material: High temperature - UL94V-0
- Separate strain relief mechanism is useable in either top or 90 degree entry.
- Perimeter sealing lips for secure assembly.
- Metalized Plastic Plating: Electro-plated nickel over copper
- Gray Plastic Material: High temperature plastic - UL94V-0

For quantities of 500 and up, call for quote.

* 636-982-009-010-031	982-009-010-031	C	9	Gray Plastic	2.84	2.70	2.56	2.41
* 636-982-009-020-121	982-009-020-121	C	9	Metalized Plastic	5.18	4.92	4.66	4.40
636-982-015-010-031	982-015-010-031	C	15	Gray Plastic	3.24	3.08	2.92	2.75
636-982-015-020-121	982-015-020-121	C	15	Metalized Plastic	6.50	6.20	5.89	5.58
636-982-025-010-031	982-025-010-031	C	25	Gray Plastic	3.46	3.29	3.11	2.94
636-982-025-020-121	982-025-020-121	C	25	Metalized Plastic	6.60	6.27	5.94	5.61
636-982-037-010-031	982-037-010-031	C	37	Gray Plastic	3.94	3.74	3.55	3.35
636-982-037-020-121	982-037-020-121	C	37	Metalized Plastic	8.14	7.76	7.37	6.98
636-982-050-010-031	982-050-010-031	C	50	Gray Plastic	4.04	3.84	3.64	3.43
636-982-050-020-121	982-050-020-121	C	50	Metalized Plastic	8.92	8.50	8.07	7.65

*9 position does not have 90 degree cable entry.

Straight Snap Backshells - 983 Series

- Kit includes: (2) Backshell Halves, (2) 4-40 Mounting Screws, (2) Saddle Washers, (1) Yoke, (2) Strain Relief Clamps, (2) Strain Relief Screws
- Metalized plastic provides up to 60 dB shielding.
- Cable Clamp with self-tapping screws provide positive strain relief.
- Metalized Plastic Material: ABS Plastic - UL94V-0
- Perimeter sealing lips for secure assembly.
- May be used as "Gender Changer", pin-out changer or standard cable entry backshell.
- Gray Plastic Material: ABS Plastic - UL94V-0
- Metalized Plastic Plating: Chrome

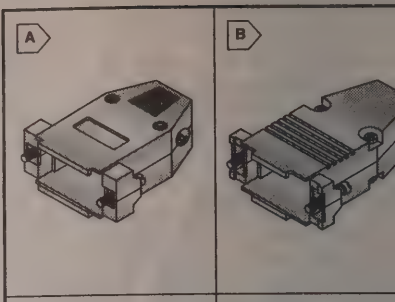
For quantities of 500 and up, call for quote.

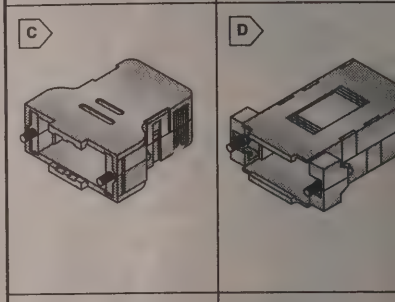
636-983-009-010-031	983-009-010-031	D	9	Gray Plastic	.86	.82	.78	.65
636-983-009-020-121	983-009-020-121	D	9	Metalized Plastic	1.37	1.30	1.24	1.03
636-983-015-010-031	983-015-010-031	D	15	Gray Plastic	1.03	.98	.93	.81
636-983-015-020-121	983-015-020-121	D	15	Metalized Plastic	1.49	1.42	1.35	1.09
636-983-025-010-031	983-025-010-031	D	25	Gray Plastic	1.01	.96	.91	.86
636-983-025-020-121	983-025-020-121	D	25	Metalized Plastic	2.02	1.92	1.82	1.68
636-983-037-010-031	983-037-010-031	D	37	Gray Plastic	1.89	1.80	1.71	1.63
636-983-037-020-121	983-037-020-121	D	37	Metalized Plastic	2.48	2.36	2.24	1.80
636-983-050-010-031	983-050-010-031	D	50	Gray Plastic	2.12	2.02	1.92	1.72
636-983-050-020-121	983-050-020-121	D	50	Metalized Plastic	3.05	2.90	2.76	2.21

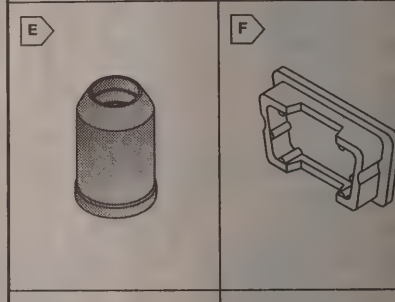
D-SUB HARDWARE

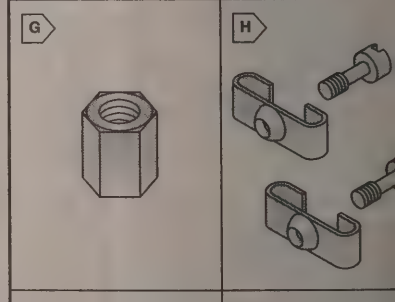
For quantities of 500 and up, call for quote.

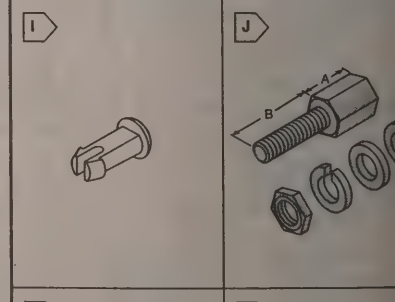
MOUSER STOCK NO.	NorComp Part No.	Fig.	Description	Dim. A	Dim. B		Price Each 1	10	50	100
Conductive Rubber Grommets										
636-162-000-925-000	162-000-925-000	E	0.400" outside dia.				.39	.34	.28	.23
636-162-000-037-000	162-000-037-000	E	0.620" outside dia.				.76	.72	.68	.62
636-162-000-050-000	162-000-050-000	E	0.730" outside dia.				.74	.70	.67	.63
Dust Covers • Material: Clear P.E.										
636-160-000-109-000	160-000-109-000	F	9 Pin, Male				.38	.36	.34	.32
636-160-000-209-000	160-000-209-000	F	9 Pin, Female				.52	.45	.36	.31
636-160-000-115-000	160-000-115-000	F	15 Pin, Male				.38	.36	.34	.32
636-160-000-215-000	160-000-215-000	F	15 Pin, Female				.38	.36	.34	.32
636-160-000-125-000	160-000-125-000	F	25 Pin, Male				.42	.40	.38	.32
636-160-000-225-000	160-000-225-000	F	25 Pin, Female				.38	.36	.34	.32
4-40 Female Coupling Nuts										
636-160-000-006-042	160-000-006-042	G	Yellow Chromate Plating				.25	.15	.14	.13
636-160-000-006-032	160-000-006-032	G	Nickel Plating				.25	.15	.14	.13
4-40 Male Screwlock w/ Slip-On Retainer										
636-160-000-001-051	160-000-001-051	H	Tin Plating				.63	.60	.57	.51
636-160-000-001-041	160-000-001-041	H	Yellow Chromate Plating				.59	.56	.53	.48
4-40 Male Screwlock w/ Clip-On Retainer										
636-160-000-002-051	160-000-002-051	H	Tin Plating				.59	.56	.53	.48
Plastic Retaining Clip										
636-163-001-000-000	163-001-000-000	I	for retaining connectors to PC .062" board				.20	.15	.14	.13
4-40 Female Screwlock Assembly				Dim. A	Dim. B					
636-160-000-010-041	160-000-010-041	J		0.187	0.312	Yellow Chromate Plating	.70	.60	.48	.41
636-160-000-011-041	160-000-011-041	J		0.187	0.625	Yellow Chromate Plating	.65	.62	.59	.56
636-160-000-012-041	160-000-012-041	J		0.250	0.156	Yellow Chromate Plating	.81	.70	.50	.48
636-160-000-013-041	160-000-013-041	J		0.197	0.197	Yellow Chromate Plating	.55	.48	.44	.34
636-160-000-015-041	160-000-015-041	J		0.197	0.323	Yellow Chromate Plating	.55	.48	.44	.34
636-160-000-016-041	160-000-016-041	J		0.197	0.433	Yellow Chromate Plating	.64	.55	.51	.37
636-160-000-017-041	160-000-017-041	J		0.197	0.520	Yellow Chromate Plating	.59	.51	.45	.39
636-160-000-018-041	160-000-018-041	J		0.197	0.669	Yellow Chromate Plating	.70	.60	.48	.41
Thumbscrews for Standard Backshells										
636-160-000-050-031	160-000-050-031	K	4-40 Thumbscrew, Nickel Plating				.25	.15	.14	.13
636-160-000-060-031	160-000-060-031	L	2.6mm Thumbscrew, Nickel Plating				.70	.60	.50	.41

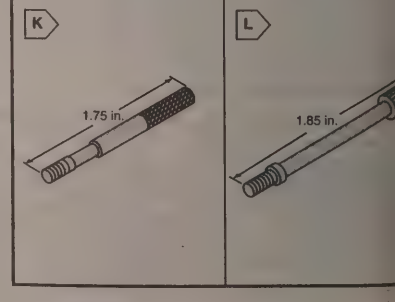


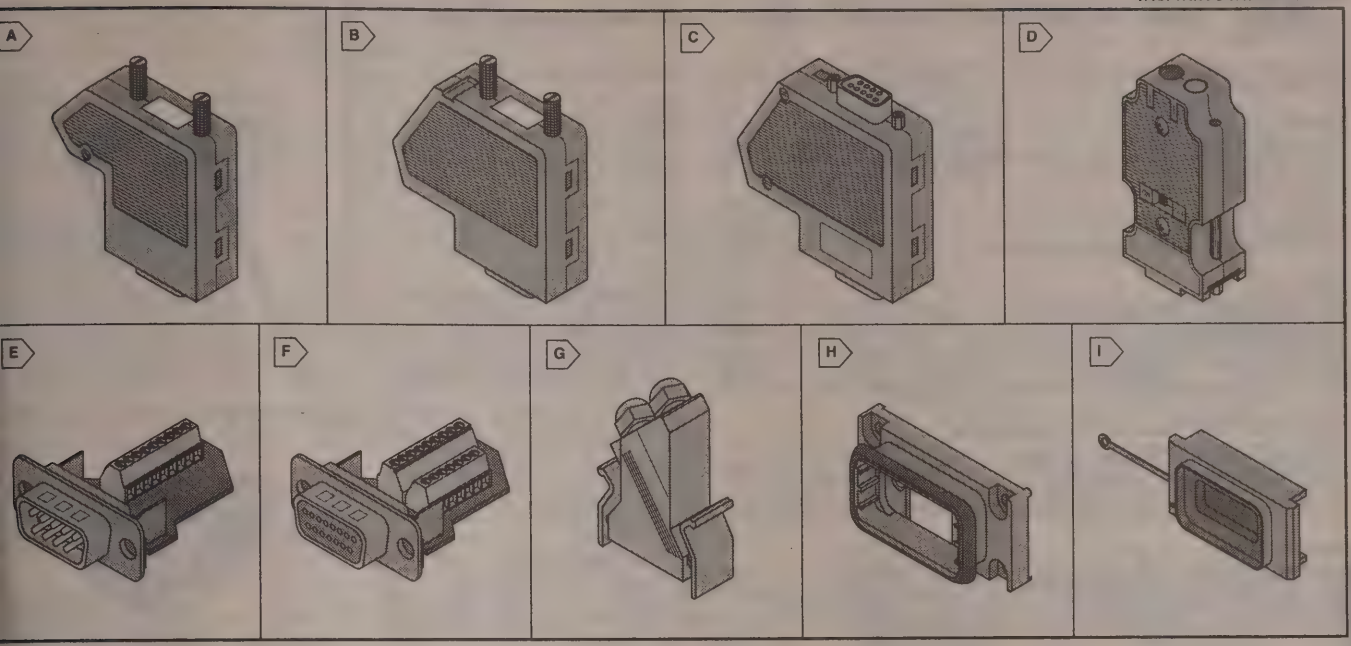












SUBCON D-SUB CONNECTORS

Phoenix Contact's SUBCON products provides a means to make D-SUB assemblies without the hassle of soldering or crimping. The SUBCON product provides connection from the ins of a D-SUB connector to individual screw actuated terminal blocks all in a D-SUB clamshell housing. This means that the only tool required to configure a cable is a screwdriver.

Features:

EMI/RFI Shielded, secure connection of cable assembly to mating receptacle.
Cable feed-in is designed for one cable.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	No. of Contacts	Type	Description	Price Each 1	10	25	50
651—	2761499	A	SUBCON 9/F-SH	9	Female	1 Cable Entry, INTERBUS, RS-232	35.00	31.54	30.55	28.00
651—	2761509	A	SUBCON 9/M-SH	9	Male	1 Cable Entry, INTERBUS, RS-232	35.00	31.54	30.55	28.00
651—	2761596	A	SUBCON 15/F-SH	15	Female	1 Cable Entry, TTY(CL), RS-422	38.87	36.59	34.30	32.02
651—	2761606	A	SUBCON 15/M-SH	15	Male	1 Cable Entry, TTY(CL), RS-422	38.87	36.59	34.30	32.02
651—	2761619	A	SUBCON 25/F-SH	25	Female	1 Cable Entry, RS-232	43.31	40.76	39.49	36.94
651—	2761622	A	SUBCON 25/M-SH	25	Male	1 Cable Entry, RS-232	43.31	40.76	39.49	36.94
651—	2300986	A	SUBCON 37/F-SH	37	Female	1 Cable Entry	46.93	44.17	41.41	38.65
651—	2300973	A	SUBCON 37/M-SH	37	Male	1 Cable Entry	46.93	44.17	41.41	38.65

SUBCON-PLUS D-SUB CONNECTORS

Features:

SUBCON-PLUS is for applications where 2 cable feed-ins are required.
SUBCON-PLUS-PROFIB is designed for use in Profibus systems up to 12 Mbit/s.

- Number of Contacts: 9
- PROFIBUS-Terminating resistor is already integrated in all versions.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pin Assignment	Type	Description	Price Each 1	10	25	50
651—	2761826	B	SUBCON-PLUS M1	1,2,3,5,6,8	Male	2 Feed-Ins, MODBUS,BITBUS	33.50	31.54	29.56	27.59
651—	2744267	B	SUBCON-PLUS-F1	1,2,3,5,6,8	Female	2 Feed-ins, MODBUS,BITBUS	35.00	32.00	29.56	27.59
651—	2761839	B	SUBCON-PLUS M2	2,3,4,5,7,9	Male	2 Feed-Ins,SUCONET,S-BUS	35.00	32.00	29.56	27.59
651—	2799490	B	SUBCON-PLUS-F2	2,3,4,5,7,9	Female	2 Feed-Ins,SUCONET,S-BUS	63.45	59.72	55.99	52.26
651—	2744348	C	SUBCON-PLUS-PROFIB	3, 8	Male	2 Entries, Profibus with 12 Mbit/s	34.85	32.80	30.75	28.70
651—	2744377	D	SUBCON-PLUSPROFIBAX	3,6,5,8	Male	Axial Version, Profibus w/12 Mbit/s	34.85	32.80	30.75	28.70
651—	2744380	D	SUBCNPLUSPROFIBAXSC	3,6,5,8	Male	Axial, Profibus w/12 Mbit/s Screw	34.85	32.80	30.75	28.70

VARIOSUB D-SUB CONNECTORS

VARIOSUB-D-SUB is the IP67 protected plug connector range with commercially available D-SUB contact inserts.

Features:

Male and female insert format enable 9,15, or 25 data lines and cable shields to be connected.
VARIOSUB housings offer space and time-saving Push-Pull locking which snaps with noticeable click.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	No. of Contacts	Type	Description	Price Each 1	10	25	50
651—	1688379	E	VS-09STDSUB/9MPT-0.5	9	Male	Contact Insert w/PCB and MPT 0.5	23.00	22.50	21.00	19.90
651—	1688395	F	VS-09BUDSUB/9MPT-0.5	9	Female	Contact Insert w/PCB and MPT 0.5	23.90	22.81	22.05	20.12
651—	1688078	E	VS-15STDSUB/15MPT0.5	15	Male	Contact Insert w/PCB and MPT 0.5	26.62	25.14	23.66	22.19
651—	1688094	F	VS-15BUDSUB/15MPT0.5	15	Female	Contact Insert w/PCB and MPT 0.5	26.15	25.50	24.00	23.50
651—	1689789	E	VS-25STDSUB/25MPT0.5	25	Male	Contact Insert w/PCB and MPT 0.5	28.54	27.50	26.50	25.50
651—	1689776	F	VS-25BUDSUB25MPT0.5	25	Female	Contact Insert w/PCB and MPT 0.5	29.00	27.60	26.90	25.90
651—	1688353	G	VS-09-T-2M16	9	---	Plastic Sleeve Housing w/Push-Pull Lock	6.50	6.14	5.75	5.49
651—	1688052	G	VS-15-T-2PG11	15	---	Plastic Sleeve Housing w/Push-Pull Lock	8.72	7.84	7.45	7.08
651—	1689792	G	VS-25-T-2M20	25	---	Plastic Sleeve Housing w/Push-Pull Lock	9.25	8.33	7.91	7.52
651—	1688366	H	VS-09-A	9	---	Plastic Panel Mounting Base	6.25	5.75	5.50	4.99
651—	1688036	H	VS-15-A	15	---	Plastic Panel Mounting Base	6.75	6.25	5.90	5.50
651—	1689750	H	VS-25-A	25	---	Plastic Panel Mounting Base	8.48	7.98	7.75	7.25
651—	1887086	I	VS-09-SD	9	---	Protective Cover	11.98	11.62	11.28	10.92
651—	1887099	I	VS-15-SD	15	---	Protective Cover	13.13	12.74	12.36	11.98
651—	1652211	I	VS-25-SD	25	---	Protective Cover	7.07	6.87	6.66	6.45

SERIES E (ESD / EFT) TRANSIENT PROTECTED D-SUB CONNECTORS

Fully integrated connectors and adapters provide protection from Electro Static Discharge (ESD) and Electronically Fast Transients (EFT) that can damage or even destroy your equipment.

Features:
- Meet various IEC 61000-4 standards
- Have integrated ESD transient voltage suppressors from Littelfuse®
- Drop In replacements for unprotected connectors
- ESD/EFT protection at the I/O ports
- Low ground impedance
- Removal of ground traces from the board
- Efficient space utilization
- All lines, including ground lines, have bi-directional protection.

Specifications:
- Front Shell: Steel, tin plated
- Housing: UL94V-0 rated thermoplastic, black
- Eyelets: Brass, tin plated
- Pin Contacts: Brass
- Socket Contacts: Phosphor Bronze
- Contact Plating: Duplex plated as follows: 15μ" gold on mating end with entire contact 50μ" min. nickel underplated

Solder Cup

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Type	No. of Contacts	Capacitance	Working Voltage	Price Each			
							1	10	25	50
657-56-E01-018	56-E01-018	A	Plug	9	450 pF	18 VDC	18.92	17.97	17.03	16.08
657-56-E11-018	56-E11-018	A	Plug	15	450 pF	18 VDC	23.32	22.15	20.99	19.82

Rght Angle - .318" Footprint with Board Locks

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Type	No. of Contacts	Capacitance	Working Voltage	Price Each			
							1	10	25	50
657-56-E04-018-3-GL	56-E04-018-3-GL	B	Receptacle	9	450 pF	18 VDC	22.94	21.79	20.65	19.50

Straight PCB

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Type	No. of Contacts	Capacitance	Working Voltage	Price Each			
							1	10	25	50
657-56-E13-018	56-E13-018	C	Receptacle	15	450 pF	18 VDC	25.26	24.00	22.73	21.47

Plug / Receptacle Adapter

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	No. of Contacts	Capacitance	Working Voltage	Price Each			
						1	10	25	50
657-56-E05-018	56-E05-018	D	9	450 pF	18 VDC	26.90	25.56	24.21	22.87
657-56-E15-018	56-E15-018	D	15	450 pF	18 VDC	37.02	35.17	33.32	31.47
657-56-E25-018	56-E25-018	D	25	450 pF	18 VDC	52.80	50.16	47.52	44.88
657-56-E35-018	56-E35-018	D	37	450 pF	18 VDC	68.26	64.85	61.43	58.02

SERIES 100 CHIP-CAP FILTERED D-SUB CONNECTORS

Features:
- High performance EMI/RFI protection
- Drop In replacements for unprotected connectors
- Chip capacitors on a PC board

Specifications:
- Front Shell: Steel, tin plated
- Housing: UL94V-0 rated thermoplastic, black
- Eyelets: Brass, tin plated
- Pin Contacts: Brass
- Socket Contacts: Phosphor Bronze
- Current Rating: 5 Amps
- Contact Resistance: 8 Milliohms max.
- Insulator Resistance: 500 Megohms min.
- Working Voltage: 200 VDC

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Type	No. of Contacts	Capacitance	Working Voltage	Price Each			
							1	10	25	50
Printed Circuit Board Right Angle Mount with Grounding Board Locks										
657-56-102-004-3-GL	56-102-004-3-GL	E	Plug	9	470 pF Pi	200 VDC	13.38	12.67	11.97	11.26
657-56-102-007-3-GL	56-102-007-3-GL	E	Plug	9	5600 pF Pi	200 VDC	11.77	11.15	10.82	9.91
657-56-104-004-3-GL	56-104-004-3-GL	B	Receptacle	9	470 pF Pi	200 VDC	13.76	13.03	12.31	11.58
657-56-122-010-3-GL	56-122-010-3-GL	E	Plug	25	1000 pF Pi	200 VDC	23.20	21.98	20.76	19.54
657-56-122-011-3-GL	56-122-011-3-GL	E	Plug	25	2200 pF Pi	200 VDC	23.20	21.98	20.76	19.54
657-56-124-004-3-GL	56-124-004-3-GL	B	Receptacle	25	470 pF Pi	200 VDC	24.40	23.11	21.83	20.54
657-56-124-010-3-GL	56-124-010-3-GL	B	Receptacle	25	1000 pF Pi	200 VDC	24.40	23.11	21.83	20.54
Panel Mount, Solder Cup Termination										
657-56-101-004	56-101-004	A	Plug	9	470 pF Pi	200 VDC	9.42	8.93	8.43	7.94
657-56-101-010	56-101-010	A	Plug	9	1000 pF Pi	200 VDC	9.42	8.93	8.43	7.94
657-56-101-011	56-101-011	A	Plug	9	2200 pF Pi	200 VDC	9.42	8.93	8.43	7.94
657-56-101-007	56-101-007	A	Plug	9	5600 pF Pi	200 VDC	9.42	8.93	8.43	7.94
657-56-106-004	56-106-004	C	Receptacle	9	470 pF Pi	200 VDC	9.41	8.91	8.42	7.92
657-56-116-010	56-116-010	C	Receptacle	15	1000 pF Pi	200 VDC	14.02	13.29	12.55	11.81
657-56-121-010	56-121-010	A	Plug	25	1000 pF Pi	200 VDC	18.16	17.21	16.25	15.29
657-56-126-004	56-126-004	C	Receptacle	25	470 pF Pi	200 VDC	19.45	18.43	17.40	16.38

Plug / Receptacle Adapter

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	No. of Contacts	Capacitance	Working Voltage	Price Each			
						1	10	25	50
657-56-105-004	56-105-004	D	9	470 pF Pi	200 VDC	18.52	17.54	16.57	15.59
657-56-105-010	56-105-010	D	9	1000 pF Pi	200 VDC	16.26	15.41	14.55	13.70
657-56-105-007	56-105-007	D	9	5600 pF Pi	200 VDC	16.26	15.41	14.55	13.70
657-56-115-004	56-115-004	D	15	470 pF Pi	200 VDC	24.64	23.35	22.05	20.75
657-56-115-010	56-115-010	D	15	1000 pF Pi	200 VDC	21.68	20.54	19.40	18.26
657-56-125-004	56-125-004	D	25	470 pF Pi	200 VDC	33.86	32.07	30.29	28.51
657-56-135-004	56-135-004	D	37	470 pF Pi	200 VDC	42.34	40.11	37.88	35.66

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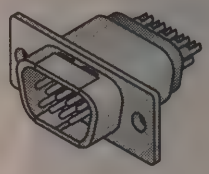

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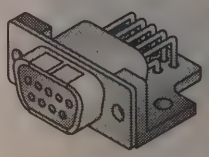

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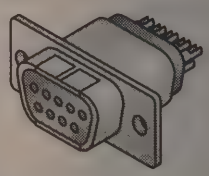

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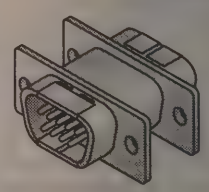

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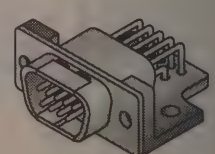


SPECTRUM CONTROL Ferrite Filtered D-Sub Connectors

SPECTRUM CONTROL INC

SERIES 400 FERRITE FILTERED CONNECTORS

The Series 400 ferrite filtered connector is designed as a low cost EMI solution for high frequency interference. The space saving connectors incorporate a solid slab of ferrite material as the filtering element.

Features:

- Prevents common-mode noise in signal lines of data communication terminals and digital devices
- Drop in replacements for standard .318" d-sub connectors
- Replaces individual ferrite beads, saving cost and space
- Effective in helping meet requirements of FCC, VDE, EN55022 and Japan's VCCI

Specifications:

- Operating Temperature: –40°C to +105°C
- Frequency Range: 10 – 300 MHz
- Current Rating: 5 Amps
- Dielectric Withstand Voltage: 1000 VAC for one min
- Shell: Steel (Tin Plated)
- Plug Contacts: Brass
- Recept. Contacts: Phosphor Bronze
- Contact Plated: Gold Flash

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Type	No. of Contacts	Typ. Impedance (Ω)		Price Each			
					25 MHz	100 MHz	1	10	25	50
657-56-402-001	56-402-001	A	Plug	9	30	50	2.23	2.11	2.05	1.98
657-56-404-001	56-404-001	B	Receptacle	9	30	50	2.23	2.11	2.05	1.98
657-56-412-001	56-412-001	A	Plug	15	30	50	2.86	2.70	2.62	2.54
657-56-413-001	56-413-001	C	Receptacle	15	30	50	2.99	2.82	2.74	2.66
657-56-422-001	56-422-001	A	Plug	25	30	50	3.15	2.98	2.89	2.80
657-56-424-001	56-424-001	B	Receptacle	25	30	50	2.81	2.65	2.57	2.50

SERIES 700 HIGH PERFORMANCE FILTERED CONNECTORS

Spectrum Control Series 700 Connectors offer the highest performance filtering for all types of professional applications.

Features:

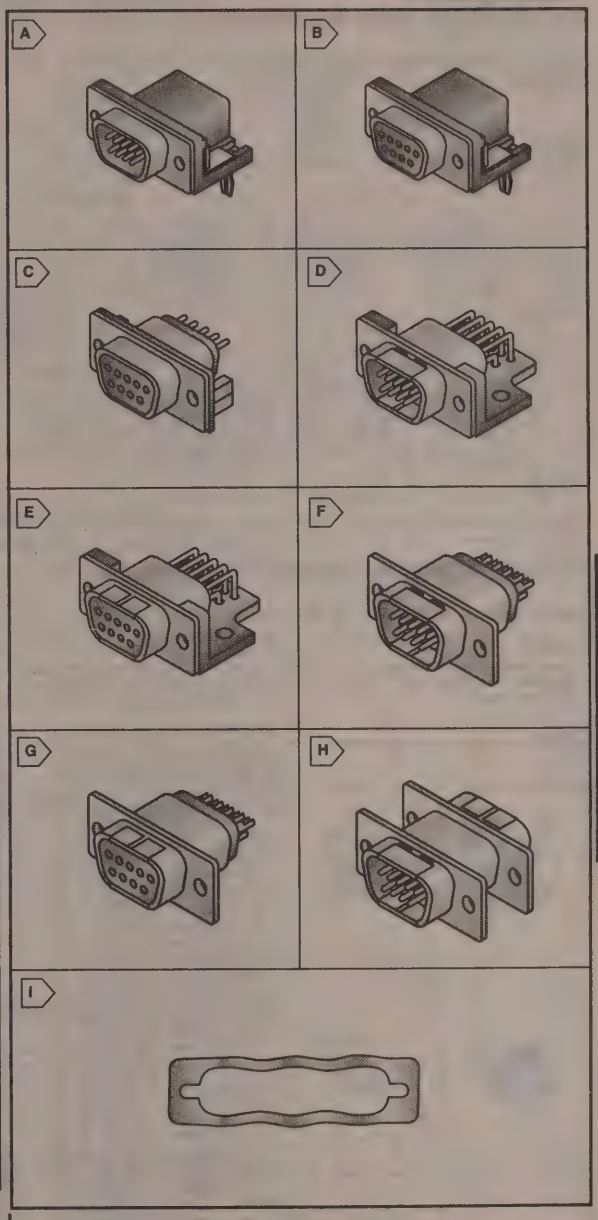
- One piece diecast housing design
- Tubular capacitor filtering provides effective performance through 10 GHz
- UL Recognized: File #E149046

Specifications:

- Shell: Zinc diecast, nickel plated
- Contacts: Copper alloy
- Plug Contacts: 15µ" Gold plated over nickel
- Receptacle Contacts: 30µ" Gold plated over nickel
- Temperature: -55°C to +125°C
- Current Rating: 5 Amps
- Contact Resistance: 10 milliohms maximum

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Type	No. of Contacts	EMI Filter Capacitance Value	Price Each			
						1	10	25	50
Printed Circuit Board Right Angle Mount									
657-56-702-005	56-702-005	D	Plug	9	4000 pF Pi	33.03	31.20	30.28	29.36
657-56-704-005	56-704-005	E	Receptacle	9	4000 pF Pi	34.34	32.44	31.48	30.53
657-56-712-005	56-712-005	D	Plug	15	4000 pF Pi	46.15	43.59	42.31	41.02
657-56-714-005	56-714-005	E	Receptacle	15	4000 pF Pi	47.93	45.27	43.94	42.61
657-56-722-005	56-722-005	D	Plug	25	4000 pF Pi	69.59	65.72	63.79	61.86
657-56-724-005	56-724-005	E	Receptacle	25	4000 pF Pi	72.41	68.39	66.38	64.37
Solder Cup Termination									
657-56-701-011	56-701-011	F	Plug	9	310 pF Pi	28.69	27.10	26.30	25.50
657-56-701-013	56-701-013	F	Plug	9	1000 pF Pi	30.62	28.92	28.07	27.22
657-56-701-015	56-701-015	F	Plug	9	4000 pF Pi	31.79	30.02	29.14	28.26
657-56-706-001	56-706-001	G	Receptacle	9	310 pF Pi	35.01	33.07	32.09	31.12
657-56-706-003	56-706-003	G	Receptacle	9	1000 pF Pi	37.80	35.70	34.65	33.60
657-56-706-005	56-706-005	G	Receptacle	9	4000 pF Pi	39.29	37.11	36.02	34.93
657-56-711-011	56-711-011	F	Plug	15	310 pF Pi	40.01	37.79	36.68	35.57
657-56-711-013	56-711-013	F	Plug	15	1000 pF Pi	43.24	40.83	39.63	38.43
657-56-711-015	56-711-015	F	Plug	15	4000 pF Pi	45.16	42.65	41.40	40.14
657-56-716-001	56-716-001	G	Receptacle	15	310 pF Pi	48.37	45.68	44.34	42.99
657-56-716-003	56-716-003	G	Receptacle	15	1000 pF Pi	51.82	48.94	47.50	46.06
657-56-716-005	56-716-005	G	Receptacle	15	4000 pF Pi	55.12	52.05	50.52	48.99
657-56-721-011	56-721-011	F	Plug	25	310 pF Pi	60.53	57.17	55.49	53.81
657-56-721-013	56-721-013	F	Plug	25	1000 pF Pi	65.99	62.32	60.49	58.66
657-56-721-015	56-721-015	F	Plug	25	4000 pF Pi	69.28	65.43	63.51	61.58
657-56-726-003	56-726-003	G	Receptacle	25	1000 pF Pi	77.26	72.96	70.82	68.67
657-56-726-005	56-726-005	G	Receptacle	25	4000 pF Pi	81.22	76.70	74.45	72.19
657-56-731-011	56-731-011	F	Plug	37	310 pF Pi	104.94	99.11	96.20	93.28
657-56-731-013	56-731-013	F	Plug	37	1000 pF Pi	114.70	108.32	105.14	101.95
657-56-731-015	56-731-015	F	Plug	37	4000 pF Pi	120.69	113.99	110.63	107.28
657-56-736-001	56-736-001	G	Receptacle	37	310 pF Pi	125.55	118.58	115.09	111.60



Plug/Receptacle Adapter

-line design allows EMI/RFI filtering to be added externally to equipment. Utilizes existing D-Sub connectors.) gender changer required. Offers same protection as soldered in filters.

For quantities of 50 and up, call for quote.

Suffix=4-40 UNC Inserts

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	No. of Contacts	EMI Filter Capacitance Value	Price Each		
					1	10	25
57-56-705-001	56-705-001	H	9	310 pF Pi	28.69	27.10	26.30
57-56-705-008	56-705-008	H	9	830 pF Pi	25.43	24.02	23.31
57-56-705-003	56-705-003	H	9	1000 pF Pi	30.62	28.92	28.07
57-56-705-005	56-705-005	H	9	4000 pF Pi	31.95	30.18	29.29
57-56-715-008-LI	56-715-008-LI	H	15	100 pF Pi	75.06	70.89	68.81
57-56-715-001	56-715-001	H	15	310 pF Pi	40.01	37.79	36.68
57-56-715-003-LI	56-715-003-LI	H	15	1000 pF Pi	46.67	44.08	42.78
57-56-715-003	56-715-003	H	15	1000 pF Pi	43.24	40.83	39.63
57-56-715-005	56-715-005	H	15	4000 pF Pi	48.37	45.68	44.34
57-56-725-001	56-725-001	H	25	310 pF Pi	60.53	57.17	55.49
57-56-725-003-LI	56-725-003-LI	H	25	1000 pF Pi	69.43	65.57	63.64
57-56-725-003	56-725-003	H	25	1000 pF Pi	65.99	62.32	60.49
57-56-725-005	56-725-005	H	25	4000 pF Pi	69.28	65.43	63.51
57-56-735-001	56-735-001	H	37	310 pF Pi	104.94	99.11	96.20
57-56-735-003-LI	56-735-003-LI	H	37	1000 pF Pi	118.75	112.15	108.85
57-56-735-003	56-735-003	H	37	1000 pF Pi	114.70	108.32	105.14
57-56-735-005-LI	56-735-005-LI	H	37	4000 pF Pi	124.74	117.81	114.35
57-56-735-005	56-735-005	H	37	4000 pF Pi	120.69	113.99	110.63
57-56-745-003	56-745-003	H	50	1000 pF Pi	150.08	141.75	137.58

WAVED METAL GASKETS

Waved metal gaskets adjust for mounting surface irregularities, resulting in optimum filtering performance.

Specifications:

- Material: Beryllium Copper
- Finish: Electro Tin Plate
- Material Thickness: .005" Compresses
- Wave Length: .030"

Front Mounted Plug or Receptacle Connector, Rear Mounted Plug

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Shell Size	Price Each		
				1	10	25
657-572019-100-70	572019-00100-70	I	9	1.10	1.04	.98
657-572019-101-70	572019-00101-70	I	15	1.26	1.19	1.12
657-572019-102-70	572019-00102-70	I	25	1.55	1.46	1.38
657-572019-103-70	572019-00103-70	I	37	2.05	1.94	1.82

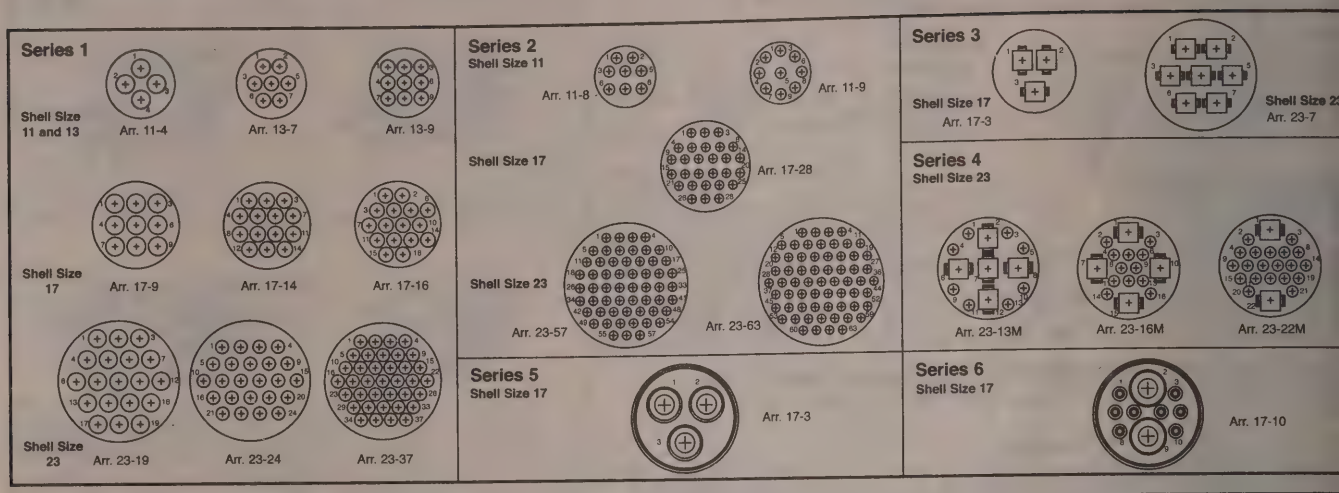
Rear Mounted Receptacle Only

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Shell Size	Price Each		
				1	10	25
657-572019-105-70	572019-00105-70	I	9	1.01	.95	.90
657-572019-106-70	572019-00106-70	I	15	1.26	1.19	1.12
657-572019-107-70	572019-00107-70	I	25	1.55	1.46	1.38
657-572019-108-70	572019-00108-70	I	37	2.05	1.94	1.82

AMP CPC Connectors
(SERIES 1-SIZE 16 CONTACTS)

CPC CONTACT ARRANGEMENTS



"SERIES 1" (SIZE 16 CONTACTS)

Standard density, signal and low-current applications using Multimate contacts.

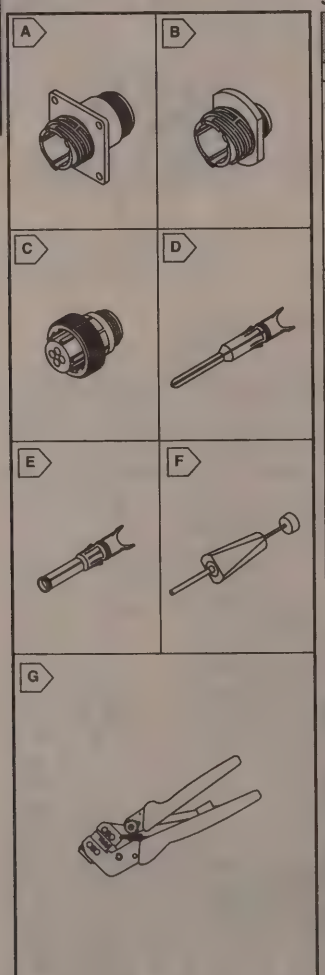
Features:
- Housing Material: Black thermoplastic
- Flammability rating: UL94V-0
- .062" pin diameter

Connectors
- Molded-in keying: standard configuration: 5 keys.
- Sealed connectors are with pre-installed, bonded peripheral seal, two piece.

*** STD. Gender= Pin contacts in receptacle housings, socket contacts in plug housings**
*** REV. Gender= Socket contacts in receptacle housings, pin contacts in plug housings**
Pins and sockets must be ordered separately.

E28476 LR71

Contacts
Plating:
(a) Bright tin-lead.
(b) Gold flash over nickel with additional gold on mating end.
(c) Nickel with gold on mating end.
(d) Gold gradient over nickel with additional gold on mating end.



Standard Sex Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Contacts	With Seal	Price Each 1	25	50
Standard Sex Square Flange Receptacles - With Mounting Holes								
571-2060611	206061-1	A	11	4	No	1.72	1.55	1.38
*571-2114011	211401-1	A	13	7	No	3.03	2.81	2.38
571-2067051	206705-1	A	13	9	No	1.78	1.65	1.44
571-2067053	206705-3	A	13	9	Yes	2.96	2.66	2.52
*571-2117671	211767-1	A	17	9	No	3.48	3.21	2.79
571-2060364	206036-4	A	17	16	Yes	3.58	3.22	3.04
571-2060361	206036-1	A	17	16	No	1.95	1.75	1.56
*571-2117711	211771-1	A	23	19	No	4.72	4.25	4.02
571-2068381	206838-1	A	23	24	No	3.88	3.50	3.30
571-2068383	206838-3	A	23	24	Yes	3.66	3.29	3.11
571-2061511	206151-1	A	23	37	No	2.18	1.97	1.75
Standard Sex Free-Hanging Receptacles (For Pin Contacts)								
571-2061531	206153-1	B	11	4	No	1.76	1.58	1.41
571-2067052	206705-2	B	13	9	No	1.88	1.70	1.51
571-2067054	206705-4	B	13	9	Yes	3.04	2.74	2.59
571-2060363	206036-3	B	17	16	No	1.94	1.65	1.55
571-2060365	206036-5	B	17	16	Yes	3.12	2.65	2.50
571-2068382	206838-2	B	23	24	No	4.22	3.80	2.59
571-2068384	206838-4	B	23	24	Yes	5.62	5.18	4.51
571-2061512	206151-2	B	23	37	No	3.16	2.84	2.69
Standard Sex Plugs (For Socket Contacts)								
571-2060601	206060-1	C	11	4	No	2.10	1.89	1.68
*571-2113991	211399-1	C	13	7	No	2.84	2.56	2.30
571-2067081	206708-1	C	13	9	No	2.23	2.07	1.80
*571-2117661	211766-1	C	17	9	No	5.00	4.50	4.25
571-2060371	206037-1	C	17	16	No	2.38	2.15	1.91
*571-2117702	211770-2	C	23	19	No	6.08	5.47	5.17
571-2068371	206837-1	C	23	24	No	3.01	2.79	2.44
571-2061501	206150-1	C	23	37	No	3.23	2.76	2.59

* VDE Tested

Reverse Sex Connectors

Reverse Sex Square Flange Receptacles - With Mounting Holes								
571-206430-1	206430-1	A	11	4	No	1.76	1.58	1.41
571-2064303	206430-3	A	11	4	Yes	5.12	4.90	4.27
* 571-2113981	211398-1	A	13	7	No	2.69	2.49	2.18
* 571-2117691	211769-1	A	17	9	No	3.16	2.84	2.69
571-206043-1	206043-1	A	17	14	No	1.94	1.75	1.56
571-2060434	206043-4	A	17	14	Yes	3.96	3.37	3.17
* 571-2117731	211773-1	A	23	19	No	3.16	2.85	2.53
571-2063061	206306-1	A	23	37	No	2.82	2.54	2.40
Reverse Sex Free-Hanging Receptacles (For Socket Contacts)								
571-2064302	206430-2	B	11	4	No	1.76	1.59	1.41
571-2060433	206043-3	B	17	14	No	2.42	2.18	2.06
571-2063062	206306-2	B	23	37	No	4.18	3.53	3.33
Reverse Sex Plugs (For Pin Contacts)								
571-206429-1	206429-1	C	11	4	No	2.17	1.91	1.70
* 571-2114001	211400-1	C	13	7	No	3.16	2.92	2.55
* 571-211768-1	211768-1	C	17	9	No	3.26	3.02	2.63
571-206044-1	206044-1	C	17	14	No	2.32	2.14	1.87
* 571-2117721	211772-1	C	23	19	No	4.34	4.10	3.86
571-206305-1	206305-1	C	23	37	No	3.52	3.17	2.99

* VDE Tested

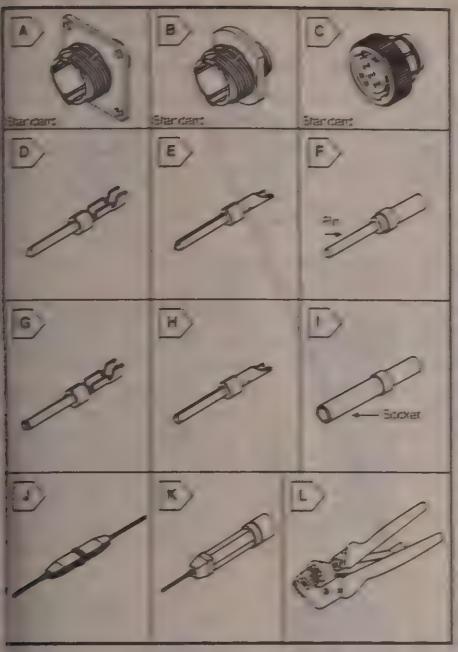
For quantities of 10,000 and up, call for qu

MOUSER STOCK NO.	Fig.	Wire Size AWG	Wire Insulation Range (In.)	Plating	Price Each 1	100	1000	5
Pin Contacts								
571-66107-2	D	26-24	.035 - .055	a	.21	.20	.19	
571-661074	D	26-24	.035 - .055	b	.49	.33	.27	
571-66103-2	D	24-20	.040 - .080	a	.32	.22	.21	
571-66103-4	D	24-20	.040 - .080	b	.49	.33	.27	
571-661033	D	24-20	.040 - .080	c	.30	.27	.25	
571-665664	D	24-20	.060 - .120	b	.49	.33	.27	
571-664001	D	24-20	.080 - .100	a	.32	.28	.27	
571-664004	D	24-20	.080 - .100	b	.18	.17	.16	
571-665911	D	22-18	.055 - .110	a	.17	.16	.15	
571-665591	D	18-16	.080 - .100	a	.19	.18	.17	
571-660992	D	18-16	.080 - .100	a	.32	.27	.25	
571-66099-4	D	18-16	.080 - .100	b	.49	.33	.27	
571-660993	D	18-16	.080 - .100	c	.49	.33	.31	
571-660991	D	18-16	.080 - .100	d	.60	.51	.49	
571-66361-2	D	18-14	.080 - .100	a	.32	.22	.20	
571-663614	D	18-14	.080 - .100	b	.32	.29	.27	
571-666021	D	18-14	.110 - .150	a	.21	.20	.19	
571-66602-2	D	18-14	.110 - .150	b	.31	.28	.27	
571-2022362	D	Solder Tab	- - - - -	a	.45	.42	.41	
Socket Contacts								
571-66109-2	E	26-24	.035 - .055	a	.37	.34	.32	
571-661094	E	26-24	.035 - .055	b	.58	.40	.35	
571-66105-2	E	24-20	.040 - .080	a	.30	.25	.24	
571-66105-4	E	24-20	.040 - .080	b	.36	.34	.32	
571-661053	E	24-20	.040 - .080	c	.36	.32	.30	
571-665654	E	24-20	.060 - .120	b	.52	.40	.32	
571-663991	E	24-20	.080 - .100	a	.38	.26	.24	
571-663994	E	24-20	.080 - .100	b	.38	.34	.32	
571-663992	E	24-20	.080 - .100	d	.68	.62	.56	
571-665921	E	22-18	.055 - .110	a	.20	.1	.17	
571-665901	E	18-16	.080 - .100	a	.22	.20	.19	
571-661012	E	18-16	.080 - .100	a	.38	.27	.25	
571-66101-4	E	18-16	.080 - .100	b	.58	.40	.35	
571-66360-2	E	18-14	.080 - .100	a	.38	.27	.25	
571-66360-4	E	18-14	.080 - .100	b	.47	.42	.40	
571-666011	E	18-14	.110 - .150	a	.25	.23	.22	
571-666012	E	18-14	.110 - .150	b	.35	.32	.30	
571-2022372	E	Solder Tab	- - - - -	a	.64	.42	.40	

Tools

For quantities of 10 and up, call for qu

MOUSER STOCK NO.	Fig.	Description	Price Each
571-305183	F	Contact extraction tool	16.8
571-584951	G	28-16 AWG Pro-Crimper II	145.5
571-915191	--	Hand tool 18-14 AWG	480.4
571-90716-1	--	Hand tool 32-28 AWG	550.8
571-91515-1	--	Hand tool 30-26 AWG	446.8
571-90225-2	--	Hand tool 30-20 AWG	1089.2
571-91542-1	--	Hand tool 24-20 AWG	535.5
571-91523-1	--	Hand tool 24-16 AWG	504.0
571-91505-1	--	Hand tool 18-16 AWG	454.5



"SERIES 2" (SIZE 20 CONTACTS) - HIGH DENSITY

High density applications using size 20 DM (screw machined) and 20 DF (precision formed) contacts.

Features:
- Housing Material: Black thermoplastic
- Flammability rating: UL94V-0

* STD. Gender= Pin contacts in receptacle housings, socket contacts in plug housings
* REV. Gender= Socket contacts in receptacle housings, pin contacts in plug housings
Pins and sockets must be ordered separately.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Contacts	Price Each 1	25	50
Standard Sex Square Flange Receptacles - w/Mounting Holes							
571-2058411	205841-1	A	11	3	4.24	3.82	3.60
571-2064361	206436-1	A	11	9	3.10	2.80	2.48
571-2058403	205840-3	A	17	28	3.51	3.24	2.83
571-2058431	205843-1	A	23	63	6.75	6.08	5.75
Standard Sex Free-Hanging Receptacles (For Pin Contacts)							
571-2058412	205841-2	B	11	3	4.24	3.82	3.60
571-2064362	206436-2	B	11	9	4.30	3.87	3.66
571-2061521	206152-1	B	17	28	5.54	4.71	4.43
571-2058432	205843-2	B	23	63	7.18	6.46	5.75
Standard Sex Plugs (For Socket Contacts)							
571-2058381	205838-1	C	11	3	3.85	3.46	3.26
571-2064351	206435-1	C	11	9	3.73	3.22	3.03
571-2058393	205839-3	C	17	28	5.44	4.90	4.62
571-2058421	205842-1	C	23	63	7.24	6.52	6.15
Reverse Sex Square Flange Receptacles - w/Mounting Holes							
571-2064331	206433-1	A	11	3	3.22	2.90	2.74
571-2060381	206038-1	A	17	28	4.48	4.03	3.81
571-2064381	206438-1	A	23	57	7.04	6.34	5.64
Reverse Sex Free-Hanging Receptacles (For Socket Contacts)							
571-2064332	206433-2	B	11	6	4.30	3.87	3.44
571-2060382	206038-2	B	17	28	5.58	5.03	4.46
571-2064382	206438-2	B	23	57	11.52	9.80	8.64
Reverse Sex Plugs (For Pin Contacts)							
571-2064341	206434-1	C	11	8	3.84	3.46	3.08
571-2060391	206039-1	C	17	28	5.32	4.79	4.52
571-2064371	206437-1	C	23	57	7.30	6.57	6.21

Contacts

Plating:
(a) Select gold flash over nickel
(b) Gold flash over nickel
(c) Gold flash over nickel with additional gold on mating end
(d) Gold over copper

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For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig	AWG	Plating	Type	Price Each 1	100	1000
Pin Contacts							
571-665079	D	28-24	a	20 DF Crimp	.16	.15	.14
571-665069	D	24-20	a	20 DF Crimp	.17	.16	.14
571-1665060	D	24-20	c	20 DF Crimp	.17	.16	.13
571-665703	E	18max	c	20 DF Solder	.24	.17	.16
571-2050891	F	24-20	d	20 DM Crimp	.31	.28	.26
Socket Contacts							
571-665059	G	28-24	a	20 DF Crimp	.22	.16	.15
571-665049	G	24-20	a	20 DF Crimp	.18	.16	.14
571-1665040	G	24-20	c	20 DF Crimp	.18	.16	.14
571-665693	H	18max	c	20 DF Solder	.29	.26	.19
571-2050901	I	24-20	d	20 DM Crimp	.37	.34	.32

Tools

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
571-910672	J	Insertion/extraction tool	5.30
571-912851	K	Insertion/extraction tool	15.75
* 571-584482	L	Pro-Crimper II hand tool	145.50

* Crimps 20DF Contacts

"SERIES 3" (TYPE XII CONTACTS) - POWER DENSITY

...wer applications with Type XII ...ontacts capable of carrying up ...o 25 amps of current.

Features:
- Housing Material: Black thermoplastic
- Flammability rating: UL94V-0
- Accommodates #6 to 10 AWG.

* STD. Gender= Pin contacts in receptacle housings,socket contacts in plug housings
* REV. Gender= Socket contacts in receptacle housings,pin contacts in plug housings
Pins and sockets must be ordered separately.

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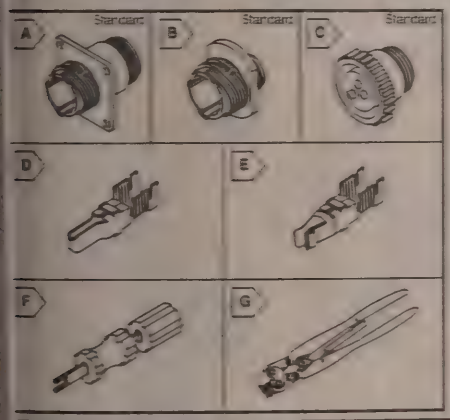


Standard

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Contacts	Price Each 1	25	50
Standard Sex Square Flange Receptacles With Mounting Holes (For Pin Contacts)							
571-2060362	206036-2	A	17	3	2.46	2.21	2.09
571-2061371	206137-1	A	23	7	3.80	3.23	2.85
Standard Sex Free-Hanging Receptacles (For Pin Contacts)							
571-2062071	206207-1	B	17	3	2.61	2.42	2.12
571-2061372	206137-2	B	23	7	3.88	3.30	2.91
Standard Sex Plugs (For Socket Contacts)							
571-2060372	206037-2	C	17	3	3.24	2.92	2.75
571-2061361	206136-1	C	23	7	3.50	3.15	2.38

Reverse

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Contacts	Price Each 1	25	50
Reverse Sex Square Flange Receptacles - With Mounting Holes (For Socket Contacts)							
571-2064251	206425-1	A	17	3	2.46	2.21	2.09
571-2062271	206227-1	A	23	7	3.25	2.79	2.46
Reverse Sex Free-Hanging Receptacles (For Socket Contacts)							
571-2064252	206425-2	B	17	3	3.12	2.58	2.52
571-2062272	206227-2	B	23	7	4.16	3.85	3.36
Reverse Sex Plugs (For Pin Contacts)							
571-2064261	206426-1	C	17	3	4.12	3.81	3.33
571-2062261	206226-1	C	23	7	3.58	3.22	3.04

Type XII, Precision Formed, Crimp Power Contacts

MOUSER STOCK NO.	Fig.	AWG	Finish	Price Each 1	100	1000
Pin Contacts						
571-662592	D	10-8	Gold	5.75	4.31	4.07
571-662591	D	10	Tin	1.87	1.28	1.21
571-662612	D	16-14-12	Gold	3.36	3.02	2.86
571-66261-1	D	16-14-12	Tin	1.87	1.31	.92
Socket Contacts						
571-667416	E	10	Gold	4.60	4.14	3.91
571-667418	E	10	Tin	4.43	3.92	3.70
571-667406	E	16-14-12	Gold	5.82	5.24	4.95
571-66740-8	E	16-14-12	Tin	3.41	2.38	1.68

Tools

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
571-910193	F	Extraction tool	151.25
571-903822	G	Certi-Crimp, 12-16 AWG, type XII	707.00
571-903841	G	Certi-Crimp, 8-10 AWG, type XII	707.00

SERIES 4" (TYPE XII AND SIZE 16 CONTACTS) - POWER AND SIGNAL COMBINATION

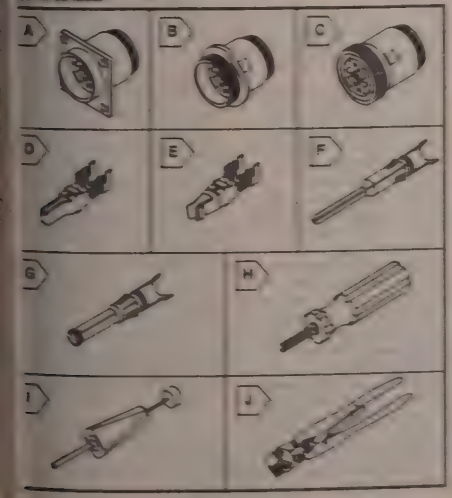
...mbination of standard and power density applications with size 16 and ...e XII contacts.

Features:
- Housing Material: Black thermoplastic
- Flammability rating: UL94V-0

Arrangement 20-13M
No. of cavities 13
Power 5
Multimate 8

Arrangement 29-16M
No. of cavities 16
Power 7
Multimate 10

Arrangement 29-22M
No. of cavities 22
Power 7
Multimate 20



Connectors

Pins and sockets must be ordered separately.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig	Contact Arrangement	Price Each 1	25	50
Square Flange Receptacles					
571-2058251	A	20 - 13M	4.54	3.86	3.64
571-2074861	A	29 - 16M	2.97	2.68	2.35
571-2068131	A	29 - 22M	2.88	2.59	2.45
Free Hanging Receptacles					
571-2058252	B	20 - 13M	7.04	6.34	5.63
571-2074862	B	29 - 16M	4.26	3.62	3.41
571-2068132	B	29 - 22M	3.90	3.51	3.12
Plugs					
571-2058241	C	20 - 13M	8.56	7.28	6.85
571-2074861	C	29 - 16M	3.44	3.10	2.92
571-2068121	C	29 - 22M	4.12	3.71	3.50

Contacts

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MOUSER STOCK NO.	Fig	AWG	Finish	Price Each 1	100	1000
Type XII, Pin Contacts						
571-66261-4	D	16-14-12	Silver	2.36	2.13	2.01
571-662612	D	16-14-12	Gold	3.36	3.02	2.86
571-662592	D	10-8	Gold	5.75	4.31	4.07
571-66259-4	D	10-8	Silver	2.36	2.13	2.01
Type XII, Socket Contacts						
571-667402	E	16-14-12	Silver	3.98	3.58	3.38
571-667406	E	16-14-12	Gold	5.82	5.24	4.95
571-667416	E	10	Gold	4.60	4.14	3.91
571-66741-2	E	10-8	Silver	5.38	4.84	4.57
Size 16 Signal, Pin Contacts						
571-665911	F	20-16	Tin	.18	.17	.16
571-665891	F	16-16	Tin	.19	.18	.17
Size 16 Signal, Socket Contacts						
571-665992	G	20-16	Tin	.20	.18	.17
571-665901	G	16-16	Tin	.22	.20	.19

Tools

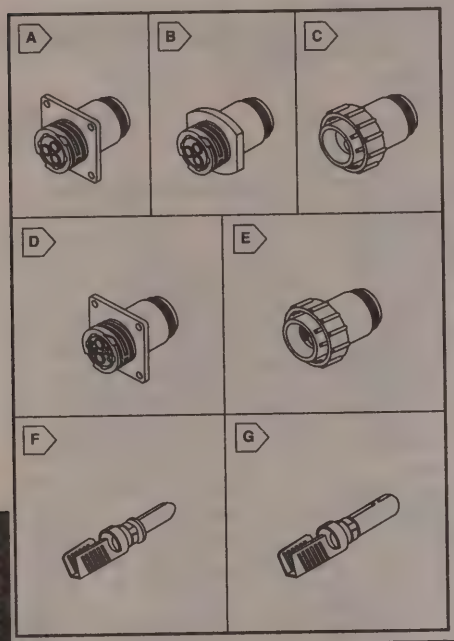
For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Fig	Description	Price Each
571-911241	H	Extraction for type XII contacts	32.79
571-305193		Extraction for size 16 signal con	16.80
571-903822		Certi-Crimp, 12-16 AWG, type XII	707.00
571-903841	J	Certi-Crimp, 8-10 AWG, type XII	707.00

AMP CPC Connectors and Accessories

"SERIES 5 AND 6" SEALED CPC AND POWERBAND CONTACTS

* Reverse Sex Gender= Socket contacts in receptacle housing pin contacts in plug housings



Features:

- Meets the requirements of UL, CSA and VDE for environmentally sealed connectors used in industrial applications
- Housing material: Nylon, glass-filled, black
- Flammability rating: UL94V-0
- Receptacles accepts socket contacts
- Plugs accept pin contacts
- Series 5: .125 Powerband Contacts
- Series 6: Size 16 & .125 Powerband Contacts

E28476 LR7189

Pins and sockets must be ordered separately.

Arrangement 17-3

Arrangement 17-10

Two-Piece Sealed "Series 5" - Reverse Sex

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shell Size	Contact	Price Each 1	25	50
Square Flange Receptacle						
571-2138892	A	17	3	5.62	4.78	4.41
Free-Hanging Receptacle						
571-2138902	B	17	3	4.34	3.69	3.47
Plug with Full Interfacial Seal						
571-2139051	C	17	3	8.34	7.09	6.67

Two-Piece Sealed "Series 6" - Reverse Sex

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shell Size	Contact	Price Each 1	25	50
Square Flange Receptacle						
571-2138932	D	17	10	5.56	4.73	4.45
Plug, with Full Interfacial Seal						
571-2139061	E	17	10	10.28	8.74	8.23

Powerband Contacts

Precision formed high current

For quantities of 500 and up, call for qu

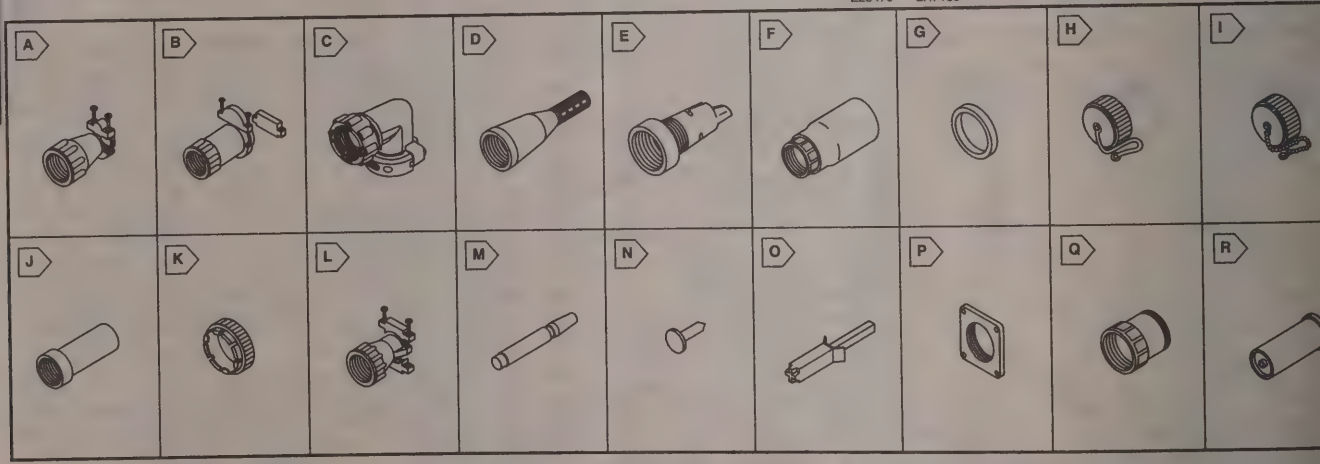
MOUSER STOCK NO.	Fig.	AWG	Finish	Price Each 1	10	1
Pin Contacts						
571-2138454	F	12-14	Gold	2.90	2.61	2.
571-2138453	F	12-14	Silver	2.36	2.12	2.
571-2138414	F	8-10	Gold	3.85	3.64	3.
571-2138413	F	8-10	Silver	2.36	2.13	2.
Socket Contacts						
571-2138474	G	12-14	Gold	4.54	4.09	3.
571-2138473	G	12-14	Silver	3.66	3.30	3.
571-2138434	G	8-10	Gold	4.54	4.09	3.
571-2138433	G	8-10	Silver	3.76	3.38	3.

Tools

MOUSER STOCK NO.	Description	Pric Eac
571-318813-1	Extraction tool	164.
571-69710-1	Hand tool w/o dies	358.

CPC ACCESSORIES

E28476 LR7189



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shell Size	Description	Price Each 1	25	50	100
571-2060621	A	11	Std cable clamp, screw lth .375"	2.68	2.42	2.28	2.15
571-206062-3	A	11	Std cable clamp, screw lth .500"	2.82	2.54	2.40	2.26
571-2063581	B	11	Large cable clamp	2.82	2.54	2.40	2.26
571-1546347-1	C	11	Right-Angle Cable Clamp w/ Cover	4.23	3.82	3.76	3.65
571-207489-1	D	11	Flexible cable boot	1.98	1.78	1.69	1.59
571-207490-1	E	11	Internal cable grip	2.12	1.91	1.80	1.70
571-54010-1	F	11	Heat shrink sealing boot	6.81	6.58	6.27	5.50
571-2064031	G	11	Peripheral seal	.50	.45	.42	.40
571-206903-1	H	11	Sealing cap plastic strap	2.77	2.56	2.24	2.14
571-208800-1	I	11	Sealing cap metal chain	4.92	4.43	4.18	3.94
571-2063041	J	11	Rubber boot	5.74	5.17	4.88	4.60
571-2138111	K	11	Replacement coupling ring	.83	.75	.71	.67
571-207299-1	P	11	Panel mount flange for plug	6.16	5.55	5.24	4.93
571-2069661	A	13	Standard cable clamp	2.70	2.43	2.30	2.16
571-2070081	B	13	Large cable clamp	3.00	2.70	2.55	2.40
571-15463481	C	13	Right-Angle Cable Clamp w/ Cover	4.49	4.13	4.02	3.90
571-54123-1	F	13	Heat shrink sealing boot	6.91	6.40	5.59	5.05
571-2064034	G	13	Peripheral seal	.74	.66	.63	.59
571-211870-1	H	13	Sealing cap plastic strap	2.66	2.40	2.26	2.13
571-2134851	I	13	Sealing cap metal chain	6.02	5.42	5.12	4.82
571-2138131	K	13	Replacement coupling ring	1.16	1.05	.99	.93
571-207299-2	P	13	Panel mount flange for plug	3.10	2.93	2.77	2.57
571-2060701	A	17	Standard cable clamp	2.70	2.43	2.30	2.16
571-2063221	B	17	Large cable clamp	3.22	2.90	2.74	2.58
571-15463491	C	17	Right-Angle Cable Clamp w/ Cover	4.96	4.46	4.22	3.97
571-2072411	D	17	Flexible cable boot	3.50	3.15	2.98	2.80
571-2073871	E	17	Small internal cable grip	2.95	2.65	2.50	2.36

For quantities of 200 and up, call for

MOUSER STOCK NO.	Fig.	Shell Size	Description	Price Each 1	25	50
571-2073872	E	17	Large internal cable grip	2.82	2.54	2.40
571-54011-1	F	17	Heat shrink sealing boot	7.30	6.57	6.21
571-2064032	G	17	Peripheral seal	.57	.51	.48
571-207445-1	H	17	Sealing cap plastic strap	3.22	2.90	2.74
571-2086521	I	17	Sealing cap metal chain	4.74	4.27	4.03
571-2138101	K	17	Replacement coupling ring	.93	.84	.79
571-2072993	P	17	Panel mount flange for plug	3.62	3.26	3.08
571-2061381	A	23	Standard cable clamp	2.70	2.56	2.41
571-2065121	B	23	Large cable clamp	3.74	3.37	3.18
571-15463501	C	23	Right-Angle Cable Clamp w/ Cover	4.55	4.38	4.25
571-2077741	L	23	Self-centering cable clamp	4.26	3.95	3.45
571-54012-1	F	23	Heat shrink sealing boot	8.27	7.40	7.00
571-2064033	G	23	Peripheral seal	1.03	.92	.87
571-2072994	P	23	Panel mount flange for plug	2.34	2.11	1.99
571-2070551	Q	23	Back-shell extender	3.50	3.15	2.98
571-2074461	H	23	Sealing cap plstc strp Series 1,3,4	3.68	3.31	3.13
571-2074462	H	23	Sealing cap plastic strap, Series 2	5.34	4.81	4.54
571-2070521	R	23	Jacketed cable seal .30" - .45"	13.26	11.93	11.27
571-2070522	R	23	Jacketed cable seal .45" - .60"	28.92	26.03	24.58
571-2070523	R	23	Jacketed cable seal .60" - .875"	16.04	14.44	13.63
571-2086801	I	23	Sealing cap metal chain	5.72	5.15	4.87
571-2138121	K	23	Replacement coupling ring	1.48	1.34	1.26
571-2008211	M	Type III +	Series 1 and 4 keying plug	.18	.17	.16
571-2065091	N	20 DM&DF	Series 2 keying plug	.35	.32	.30
571-2065081	O	Type XII	Series 3 and 4 keying plug sockets	.62	.55	.52
571-2075971	O	Type XII	Series 3 and 4 keying plug pins	1.81	1.63	1.54

ICRO CPC

eal for medical, instrumentation and industrial applications where size, contact density and durability are primary concerns. The nylon housings offer good sistance to a wide range of chemical agents while the IP65 sealing helps prevent ingress of dirt or fluids that would have an adverse effect on the contact interface.

atures:

- Squeeze-to-release coupling mechanism offers positive latch or optional breakaway locking feature
- Panel mount receptacle offers jam nut mounting
- Keyed and polarized
- Sealed to IP65
- No assembly required
- No application tooling required
- Ink marked positive alignment indicators

Electrical:

- Carrying capacity: 2-3 Amps
- Operating voltage: 250 VAC min.
- Operating temp.: -67°F to +221°F
- Dielectric withstanding volt.:1500 VAC min
- Wire size: 24-30 AWG
- Housing: single piece design, nylon

Available in wire-to-wire, wire-to-board, and wire-to-panel configurations

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Shell Size	Description	Contact System	Price Each 1	25	50	100
Receptacles - Solder Cup										
571-14457211	1445721-1	A	7	M9.5	Panel Mount	Pin and Socket	10.05	8.56	7.47	7.05
571-14455551	1445555-1	B	7	M9.5	Free-Hanging	Spring Probe	16.62	14.96	13.30	11.63
571-14456411	1445641-1	B	7	M9.5	Free-Hanging	Pin and Socket	10.95	9.30	8.21	7.66
571-14457791	1445779-1	C	19	M13.5	Panel Mount	Pin and Socket	18.52	15.74	14.82	12.97
571-14457571	1445757-1	D	19	M13.5	Free-Hanging	Spring Probe	33.00	28.05	26.40	23.10
571-14457731	1445773-1	D	19	M13.5	Free-Hanging	Pin and Socket	15.88	13.50	12.70	11.12
Receptacles - Solder Tail										
571-14457201	1445720-1	E	7	M9.5	Panel Mount	Pin and Socket	9.00	7.64	7.18	6.29
571-14453231	1445323-1	F	7	M9.5	Free-Hanging	Spring Probe	16.97	14.42	13.57	11.87
571-14456911	1445691-1	F	7	M9.5	Free-Hanging	Pin and Socket	8.74	7.43	7.00	6.12
571-14457781	1445778-1	G	19	M13.5	Panel Mount	Pin and Socket	17.20	14.62	13.76	12.04
571-14457561	1445756-1	H	19	M13.5	Free-Hanging	Spring Probe	33.88	28.80	27.10	23.72
571-14457721	1445772-1	H	19	M13.5	Free-Hanging	Pin and Socket	13.76	11.70	11.01	9.63
Plugs - Solder Cup										
571-14453221	1445322-1	I	7	M9.5	------	Spring Probe	8.74	7.43	7.00	6.12
571-14456421	1445642-1	I	7	M9.5	------	Pin and Socket	7.88	6.70	6.30	5.52
571-14457771	1445777-1	J	19	M13.5	------	Spring Probe	14.36	12.23	10.67	10.08
571-14457821	1445782-1	J	19	M13.5	------	Pin and Socket	15.21	12.95	11.30	10.68

ccessories

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	No. of Contacts	Shell Size	Cable O.D. (Max.)	Price Each 1	25	50	100
Strain Reliefs								
571-16041111	1604111-1	7	M9.5	.20 (5.0)	2.88	2.60	2.45	2.31
571-16042041	1604204-1	19	M13.5	.35 (8.8)	3.00	2.55	2.40	2.10
Jam Nuts				Thread				
571-16041971	1604197-1	7	M9.5	7/16-28 UNEF-2B	1.24	1.05	1.00	.87
571-16041961	1604196-1	19	M13.5	5/8-24 UNEF-2B	1.46	1.34	1.17	1.04
Flange Seals								
571-14454203	1445420-3	7	M9.5	-------	.84	.77	.68	.60
571-14454201	1445420-1	19	M13.5	------	.84	.77	.68	.60

MINIATURE CPC

eal for medical, instrumentation and industrial applications where size, contact density and durability are primary concerns. The nylon housings offer good sistance to a wide range of chemical agents while the IP67 sealing helps prevent ingress of dirt or fluids that would have an adverse effect on the contact interface.

atures:

- Sealed to IP67
- Pre-positioned 1/4 turn coupling ring with positive lock and alignment features
- Unique contact pattern for each position size helps prevent accidental mating with other position sizes
- Front or rear jam nut mounting
- Field repairable contacts

Available in wire-to-wire, wire-to-board and wire-to-panel configurations

Electrical:

- Operating temperature: -67°F to 221°F
- Dielectric withstanding voltage: 2200 VAC minimum
- Wire termination: Crimp
- Housing: single piece design, plastic

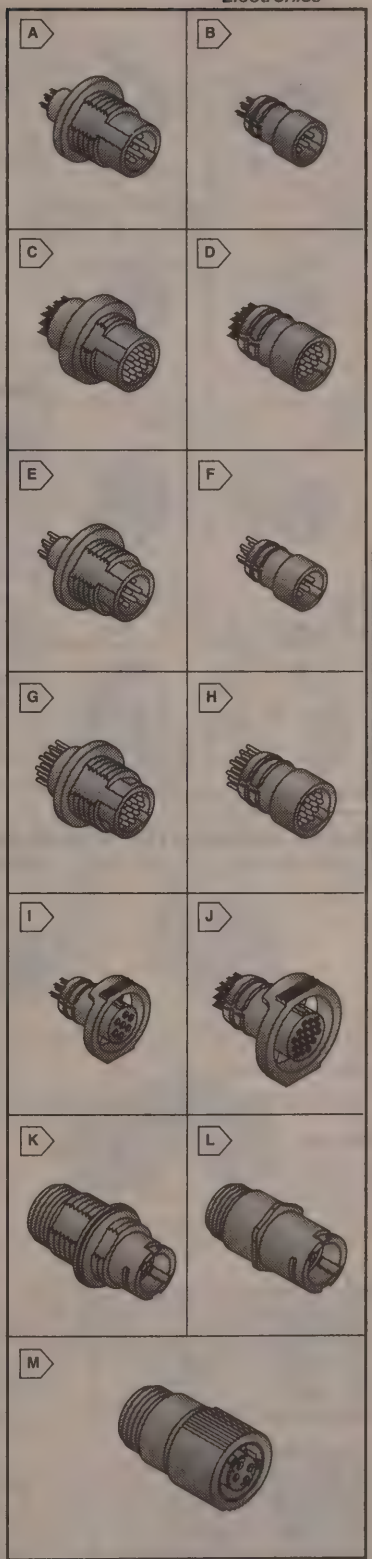
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Arrangement	Insulation Diameter Range	Price Each 1	25	50	100
eceptacles - Panel Mount								
71-14454211	1445421-1	K	8-4	.035 - .059	5.42	5.12	4.82	4.22
71-14454213	1445421-3	K	8-4	.059 - .110	5.42	5.12	4.82	4.22
71-14458161	1445816-1	K	11-9	.035 - .059	5.78	5.46	5.14	4.49
71-14458163	1445816-3	K	11-9	.059 - .110	5.78	5.46	5.14	4.49
eceptacles - Free Hanging								
71-14453891	1445389-1	L	8-4	.035 - .059	4.04	3.81	3.58	3.14
71-14453893	1445389-3	L	8-4	.059 - .110	4.04	3.81	3.58	3.14
71-14458251	1445825-1	L	11-9	.035 - .059	4.23	4.00	3.76	3.30
71-14458253	1445825-3	L	11-9	.059 - .110	4.23	4.00	3.76	3.30
lugs								
71-14453901	1445390-1	M	8-4	.035 - .059	3.73	3.52	3.31	2.90
71-14453903	1445390-3	M	8-4	.059 - .110	3.73	3.52	3.31	2.90
71-14458071	1445807-1	M	11-9	.035 - .059	3.91	3.69	3.47	3.04
71-14458073	1445807-3	M	11-9	.059 - .110	4.34	3.69	3.47	3.04

ccessories

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Shell Size	Type	Price Each 1	25	50	100
rain Reliefs							
1-14457301	1445730-1	8	Straight	2.04	1.74	1.64	1.43
1-14458561	1445856-1	11	Straight	2.58	2.20	2.06	1.81
1-14457711	1445771-1	8	Right-Angle	2.78	2.36	2.22	1.95
m Nuts			Thread				
1-16041961	1604196-1	8	5/8-24 UNEF-2B	1.46	1.34	1.17	1.04
1-14459041	1445904-1	11	3/4-20 UNEF-2B	1.38	1.17	1.11	.97
ange Seals							
1-14454201	1445420-1	8	------	.84	.77	.68	.60
1-14454202	1445420-2	11	------	.88	.75	.71	.62
at Caps							
1-16040891	1604089-1	8	------	1.56	1.33	1.25	1.10
1-16040892	1604089-2	11	------	1.84	1.56	1.47	1.29



ntacts

- Sockets: Brass

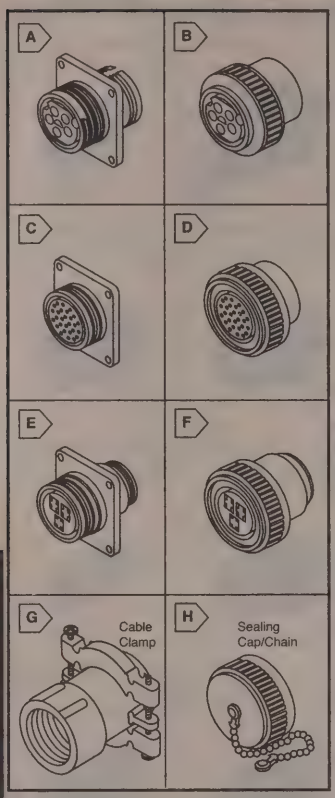
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Type	Finish	Wire Size AWG	Price Each 1	100	500
1-794059-1	794059-1	Pin	Pre-Tin	30-26	.14	.13	.12
1-770985-1	770985-1	Pin	Pre-Tin	26-22	.14	.13	.12
1-770987-1	770987-1	Pin	Pre-Tin	22-18	.14	.13	.12
1-794058-1	794058-1	Socket	Pre-Tin	30-26	.14	.13	.12
1-770986-1	770986-1	Socket	Pre-Tin	26-22	.14	.13	.12
1-770988-1	770988-1	Socket	Pre-Tin	22-18	.14	.13	.12

Tools

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each 1	5
571-189727-1	189727-1	Extraction Tool	18.90	16.38
571-455830-1	455830-1	Insertion Tool	21.74	15.61
571-90870-1	90870-1	For 30-26 AWG	162.00	140.40
571-90758-2	90758-2	For 26-22 AWG	103.60	96.20
571-90759-2	90759-2	For 22-18 AWG	103.60	96.20



METAL SHELL CIRCULAR CONNECTORS

- Housing: UL94V-O Black Thermoplastic
- Metal Shell: Nickel-plated zinc alloy
- Shell only, must order contacts separately.

E28476 LR7189

* STD. Gender= Pin contacts in receptacle housings, socket contacts in plug housings
* REV. Gender= Socket contacts in receptacle housings, pin contacts in plug housings

Series 1 - Accepts Size 16 Contacts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Cont.	Gen. *	Price Each 1	25	50
Square Flange Receptacles								
571-2087191	208719-1	A	14	5	Std.	18.72	17.34	15.15
571-2087151	208715-1	A	14	7	Std.	19.52	18.08	15.80
571-2087171	208717-1	A	14	7	Rev.	19.52	18.08	15.80
571-2084871	208487-1	A	22	14	Rev.	20.89	19.36	18.56
571-2084591	208459-1	A	28	24	Std.	52.84	47.56	42.27
571-2084711	208471-1	A	28	37	Std.	52.80	47.52	42.24
571-2084731	208473-1	A	28	37	Rev.	52.80	47.52	42.24
Plugs								
571-2087181	208718-1	B	14	5	Std.	44.87	41.59	36.33
571-2087141	208714-1	B	14	7	Std.	31.16	28.45	25.23
571-2087161	208716-1	B	14	7	Rev.	31.98	29.64	25.89
571-2084861	208486-1	B	22	14	Rev.	27.43	25.96	24.35
571-2084571	208457-1	B	28	24	Std.	66.72	60.05	53.38
571-2084701	208470-1	B	28	37	Std.	41.10	34.94	30.83
571-2084721	208472-1	B	28	37	Rev.	32.33	29.96	28.68

Series 2 - Accepts Size 20 Contacts

For quantities of 100 and up, call for quo

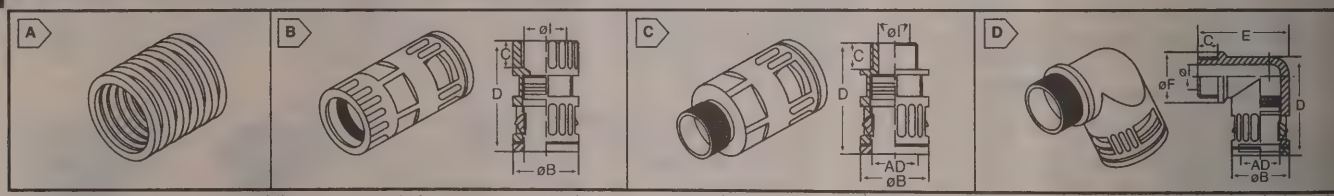
MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Cont.	Gen. *	Price Each 1	25	5
Square Flange Receptacles								
571-2084911	208491-1	C	22	28	Std.	19.85	18.04	16.
571-2084931	208493-1	C	22	28	Rev.	21.00	18.90	17.
571-2084771	208477-1	C	28	63	Std.	32.08	28.90	27.
Plugs								
571-2084901	208490-1	D	22	28	Std.	71.07	65.87	57.
571-2084921	208492-1	D	22	28	Rev.	78.86	73.09	69.
571-2084761	208476-1	D	28	63	Std.	109.70	93.25	82.

Accessories

For quantities of 100 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Shell Size	Description for Fig: I and J	Price Each 1	25	5
571-2089455	208945-5	14	Cable clamp	10.00	8.50	8.
571-2138232	213823-2	14	Sealing cap/chain	22.40	20.16	17.
571-2089457	208945-7	22	Cable clamp	12.79	12.11	11.
571-2119031	211903-1	22	Sealing cap/chain	45.88	41.29	36.
571-2089458	208945-8	28	Cable clamp	17.77	16.83	15.

FLEXA CORRUGATED TUBING AND CONNECTORS



PA6 Flexa Tubing

Temperature range: From approximately -40°C up to approx +115°C; temporarily withstands temperatures up to approximately +150°C

Features:

- Air and liquid tight
- Oil resistant up to +80°C
- Highly resistant to acids and solvents
- Ozone and Benzine resistant
- Free of silicone, cadmium, and halogen
- Self-extinguishing and flame retarding

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Trade Size Tubing Outer - ø	Bending Radius mm +/- 10%	Price Per Mete 1	25	5
571-9697892	969789-2	A	11	0.51" (13.0)	20	2.73	2.38	2.2
571-9697893	969789-3	A	13	0.62" (15.8)	35	3.45	3.01	2.7
571-9697894	969789-4	A	17	0.83" (21.2)	45	4.28	3.85	3.6
571-9697895	969789-5	A	23	1.12" (28.5)	55	6.70	6.03	5.3

Straight Female Connectors

For quantities of 100 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Trade Size Tubing Outer - ø	Inner Thread UNEF	Smaller Inner - ø (I)	Largest Outer - ø (B)	Length of Thread (C)	Total Length (D)	Price Each 1	25	50
571-19698072	1-969807-2	B	11	.51" (13.0)	5/8"- 24	10.0	20.6	8.0	36.6	3.40	2.90	2.7
571-19698093	1-969809-3	B	13	.62" (15.8)	3/4"- 20	12.5	23.6	9.5	41.7	3.54	3.01	2.8
571-19698114	1-969811-4	B	17	.83" (21.2)	15/16"- 20	17.0	30.1	9.5	50.3	4.04	3.44	3.2
571-29698135	2-969813-5	B	23	1.12" (28.5)	1" - 18	23.5	37.0	9.5	54.0	6.34	5.39	5.0

Straight Male Connectors

For quantities of 100 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Trade SizeTubing Outer - ø (AD)	Thread DIN 40430 PG	Smaller Inner - ø (I)	Largest Outer - ø (B)	Length of Thread (C)	Total Length (D)	Price Each 1	25	50
571-9698032	969803-2	C	11	.51" (13.0)	9	10.0	20.0	10	35.0	2.86	2.43	2.29
571-9698033	969803-3	C	13	.62" (15.8)	11	12.5	23.0	10	37.0	2.88	2.45	2.31
571-9698034	969803-4	C	17	.83" (21.2)	16	17.0	29.5	12	43.5	3.04	2.58	2.43
571-9698035	969803-5	C	23	1.12" (28.5)	21	23.5	37.0	12	46.0	5.42	4.61	4.34

Right Angle Female Connectors

For quantities of 100 and up, call for q

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Trade SizeTubing Outer - ø (AD)	Thread DIN 40430 PG	Smaller Inner - ø (I)	Largest Outer - ø (B)	Length of Thread (C)	Total Length (D)	Total Height (E)	Connection (F)	Price Each 1	25	50
571-9698172	969817-2	D	11	.51" (13.0)	9	12.0	20.0	10	36.0	34.0	20.0	5.26	4.47	4.2
571-9698173	969817-3	D	13	.62" (15.8)	11	15.5	23.0	10	42.0	37.5	23.0	5.46	4.65	4.3
571-9698174	969817-4	D	17	.83" (21.2)	16	18.0	29.5	12	50.0	47.0	27.0	5.60	4.76	4.4
571-9698175	969817-5	D	23	1.12" (28.5)	21	24.0	37.0	12	57.0	55.0	34.0	9.32	7.93	7.4

97 SERIES SOLDER TYPE (MIL-C-5015 STYLE)

The Amphenol 97 series connectors are a general duty standard cylindrical connector, MIL-C-5015 style. The 97 series is a widely used connector for the automotive, robotics, machine tool and welding industries, as well as numerous other commercial applications. Shell components are fabricated from high grade aluminum alloy. A complete connector assembly consists of a shell with an installed insert.

Features:
- Medium to heavy weight cylindrical
- Durable, field-proven design
- Single key/keyway polarization
- Threaded coupling, hard dielectric inserts
- Operating temperatures from -55°C to +125°C
- Intermateable and intermountable with existing 97 series and MIL-C-5015 connectors
- All connectors shipped assembled and individually packaged

Materials:
- Shells: High grade aluminum alloy, with a conductive cadmium plate finish and an olive drab chromate after treatment.
- Inserts: Hard Blue Diallyl-phthalate
- Contacts: Silver plated with pre-tinned solder cups

Recognition File #E115497

Certification File # LR 69183

Receptacle Mounting Holes:
.173" (4.394) Diameter for shell sizes 32 and 36
.147" (3.734) Diameter for shell sizes 24 and 28
.120" (3.048) Diameter for all other shell sizes

Panel Opening

Quick selection guide for the standard Amphenol 97 series.

1. **How many wires are you going to connect and what gauge?**
   Use the insert arrangement table on the following page for selecting insert configuration .
2. **What kind of receptacle shell do you need?**
   Wall Mounting: 3100 Shell Series, Box Mounting: 3102 Shell Series, Cable Mounting: 3101 Shell Series
3. **What kind of plug shell do you need?**
   Straight Cable : 3106 Shell Series, Right Angle Cable : 3108 Shell Series
4. **Do you need a plug with a solid or split back shell?**
   The solid shell (A Type) has greater strength and saves space. The split shell (B Type) allows for quick inspection of solder terminals.
5. **Which connector shell gets the socket insert? The receptacle or the plug shell?**
   Either pin or socket inserts can be used with plug or receptacles shell. The rule of thumb is use the socket insert for the connector on the "hot" side of the circuit.
6. **Which accessories are needed?**
   Cable clamps and protection caps are available and are shown at the end of this product section.

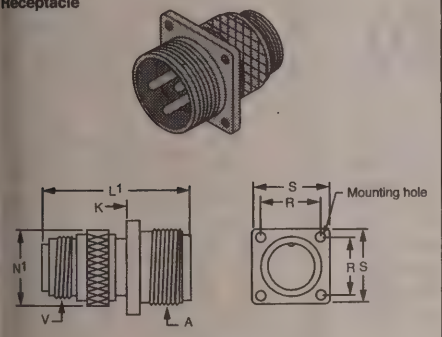
How to build a standard Amphenol 97 series part number:

97 - 3101 A - 28 - 21 P

- **97-** Like MS but Amphenol®
- **Shell Type**: 3100 Wall receptacle; 3101 Cable receptacle; 3102 Box receptacle; 3106 Straight plug; 3108 Angle plug
- **Shell Construction**: A- Solid Backshell; B- Split Backshell
- **Shell Size**: 10SL, 12S, 14S, 14, 16S, 16, 18, 20, 22, 24, 28, 32
- **Insert Arrangement**: Numerical designation for insert configurations. (See insert chart section for availability)
- **Contact Type**: P=Pin; S=Socket

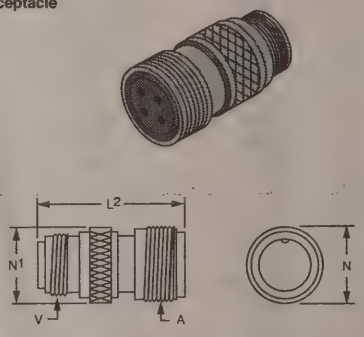
DIMENSIONS (IN)

Wall Mount Receptacle



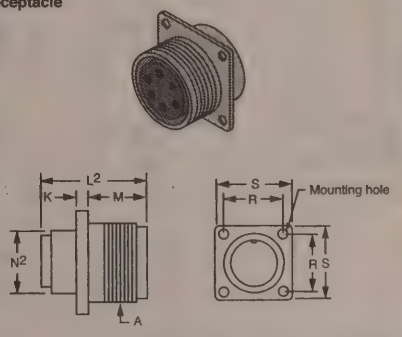
97-3100A (MS3100A)

Cable Receptacle



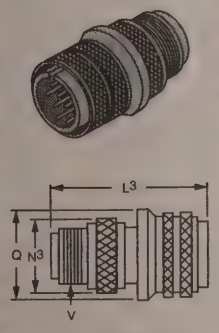
97-3101A (MS3101A)

Box Receptacle



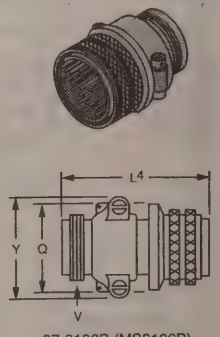
97-3102A (MS3102A)

Straight Plug



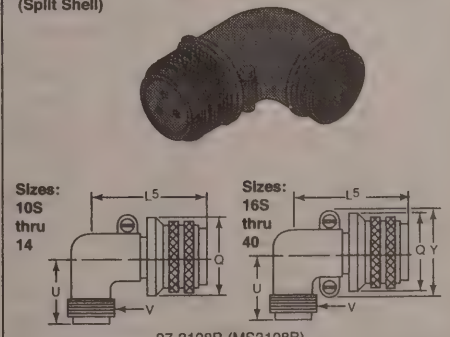
97-3106A (MS3106A)

Straight Plug (Split Shell)



97-3106B (MS3106B)

Angle Plug (Split Shell)



97-3108B (MS3108B)

Shell Size	L1 3100A 3101A	L2 3102A	L3 3106A	L4 3106B	L5 3108B	N1 3100A 3101A	N2 3102A	N3 3106A	O	S	R	Q	Y	U	K	A Coupling Thread	V Fitting Thread
10SL	1-9/32	61/64	1-3/8	-----	1-1/2	3/4	11/16	3/4	0.812	1	23/32	7/8	-----	1	5/64	5/8-24	5/8-24
12S	1-15/32	31/32	1-7/16	-----	1-9/16	25/32	11/16	25/32	0.812	1-3/32	13/16	1	-----	1	5/64	3/4-20	5/8-24
14S	1-15/32	61/64	1-15/32	1-11/16	1-23/32	7/8	11/16	7/8	0.938	1-3/16	29/32	1-1/8	1-5/32	1-1/16	5/64	7/8-20	3/4-20
16S	1-15/32	61/64	1-15/32	1-11/16	1-3/4	1	7/8	1	1.062	1-9/32	31/32	1-1/4	1-1/4	1-1/8	5/64	1-20	7/8-20
16	1-57/64	1-3/8	1-7/8	-----	2-1/8	1	7/8	1	1.062	1-9/32	31/32	1-1/4	-----	1-1/8	1/8	1-20	7/8-20
18	1-63/64	1-3/8	1-31/32	2-1/16	2-5/32	1-1/8	1	1-1/8	1.188	1-3/8	1-1/16	1-11/32	1-41/64	1-3/16	1/8	1-1/8-18	1-20
20	1-57/64	1-3/8	1-7/8	2-1/8	2-3/8	1-1/4	1-1/8	1-1/4	1.312	1-1/2	1-5/32	1-15/32	1-13/16	1-5/16	1/8	1-1/4-18	1-3/16-18
22	1.63/64	1-3/8	1-31/32	2-1/8	2-13/32	1-3/8	1-1/4	1-3/8	1.438	1-5/8	1-1/4	1-19/32	1-15/16	1-5/16	1/8	1-3/8-18	1-3/16-20
24	2-1/4	1-3/8	2-1/4	2-9/32	2-5/8	1-1/2	1-3/8	1-1/2	1.562	1-3/4	1-3/8	1-23/32	2-1/16	1-7/16	1/8	1-1/2-18	1-7/16-18
28	2-1/4	1-3/8	2-1/4	2-9/32	2-5/8	1-3/4	1-5/8	1-3/4	1.812	2	1-9/16	1-31/32	2-5/16	1-7/16	1/8	1-3/4-18	1-7/16-18
32	2-3/8	1-15/32	2-3/8	2-5/16	2-13/16	2-1/32	1-29/32	2-1/32	2.062	2-1/4	1-3/4	2-7/32	2-19/32	1-3/4	1/8	2-18	1-3/4-18

97 SERIES SOLDER TYPE (MIL-C-5015 STYLE) (CONT.)

Service Rating:

		INST.	A	D	B	C
Limiting Operating Voltage at Sea Level	DC	250	700	1250	2450	4200
	AC(RMS)	200	500	900	1750	3000

See notes 1 and 2 under Test Current
INST. Service normally for low voltage and currents

Effective Creepage (nominal)	Inch	1/16	1/8	3/16	5/16	1
	mm	1.57	3.18	4.75	7.92	25.40
Mechanical Spacing (nominal)	Inch	---	1/16	1/8	1/4	5/16
	mm	---	1.57	3.18	6.35	7.92

Test Current:

Contact Size	16	12	8	4
Amperes	13	23	46	80
Wire Gauge (AWG)	16-22	12-14	8-10	4-6

NOTE 1:Transients were not considered in calculating these values
NOTE 2:Limiting operating voltages at 50,000 feet altitude are approximately 25% of the sea level values.

Contact Legend

16 12 8 4

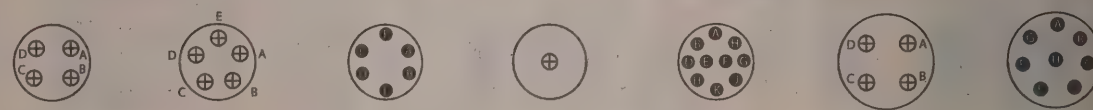
Recognition File #E115497

Certification File # LR 69183

Insert Arrangements
(Front view of Pin Insert, drawings not to scale.)

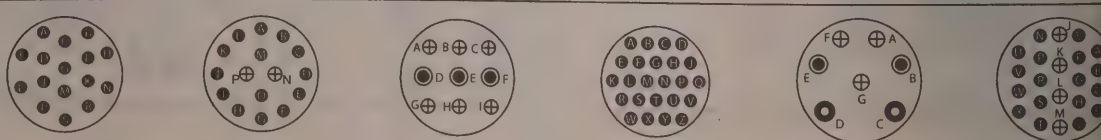
	10SL-3	10SL-4	12S-3	14S-1	14S-2	14S-5	14S-6
Insert Arrangement	10SL-3	10SL-4	12S-3	14S-1	14S-2	14S-5	14S-6
Contacts	3#16	2#16	2#16	3#16	4#16	5#16	6#16
Service Rating	A	A	A	A	INST.	INST.	INST.

	14S-7	16S-1	16S-8	16-10	18-1	18-4	18-8
Insert Arrangement	14S-7	16S-1	16S-8	16-10	18-1	18-4	18-8
Contacts	3#16	7#16	5#16	3#12	10#16	4#16	1#12, 7#16
Service Rating	A	A	A	A	B, C, F, G=A; all others=INST.	D	A

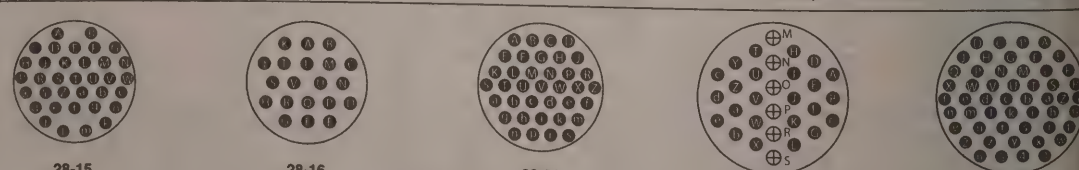


	18-10	18-11	18-12	18-16	18-19	20-4	20-7
Insert Arrangement	18-10	18-11	18-12	18-16	18-19	20-4	20-7
Contacts	4#12	5#12	6#16	1#12	10#16	4#12	8#16
Service Rating	A	A	A	C	A	D	A, B, H, G=D; C,D,E,F=A

	20-15	20-16	20-27	20-29	22-14	22-19	24-2
Insert Arrangement	20-15	20-16	20-27	20-29	22-14	22-19	24-2
Contacts	7#12	7#16, 2#12	14#16	17#16	19#16	14#16	7#12
Service Rating	A	A	A	A	A	A	D



	24-5	24-7	24-11	24-28	28-10	28-11
Insert Arrangement	24-5	24-7	24-11	24-28	28-10	28-11
Contacts	16#16	2#12, 14#16	3#8, 6#12	24#16	3#12, 2#8, 2#4	4#12, 18#16
Service Rating	A	A	A	INST.	G=D; all others=A	A



	28-15	28-16	28-21	32-8	32-414
Insert Arrangement	28-15	28-16	28-21	32-8	32-414
Contacts	35#16	20#16	37#16	6#12, 24#16	52#16
Service Rating	A	A	A	A	A

97 SERIES SOLDER TYPE (MIL-C-5015 STYLE) (CONT.)

How to build a standard Amphenol 97 series part number:

Combine the shell part number with insert arrangement number to complete the Amphenol part number. For Example: From the table below combine a wall mount shell number (**97-3100A-**) with an insert number (**18-16P**) to create a complete Amphenol part number (**97-3100A-18-16P**). The standard Amphenol 97 series shells are constructed with a high grade aluminum alloy and come in a olive drab chromate finish. The blue diallyl-phthalate inserts have pre-installed silver plated contacts with solder cups. **All connectors are shipped fully assembled, labeled and individually packaged.** For complete connector specifications and descriptions see the 2 previous pages.

To make a mating receptacle - plug connection:

From the table below, select a plug combination off of the same line as the selected receptacle combination. For Example: A **97-3100A-18-16P** wall mount receptacle will mate with any of the plugs with the **18-16S** insert. **Receptacles only mate with plugs on the same line.**

Recognition File #E115497

Certification File # LR 69183

Receptacles

For quantities of 100 and up, call for quote.

# of Pos.	Shell Size and Insert	Wall Mount 97-3100A- Price Each			Cable Mount 97-3101A- Price Each			Box Mount 97-3102A- Price Each		
		1	10	50	1	10	50	1	10	50
1	18-16P	14.93	12.24	10.38	16.61	13.62	11.55	10.97	8.54	6.41
1	18-16S	15.96	13.08	12.12	19.87	16.29	13.82	11.26	9.23	8.07
2	10SL-4P	11.18	9.15	7.75	13.69	9.87	8.23	7.79	6.99	5.90
2	12S-3P	10.75	8.80	7.43	12.86	10.53	8.89	6.15	5.04	4.13
2	12S-3S	10.90	8.93	7.55	12.37	10.12	8.56	6.20	5.10	4.30
3	10SL-3P	11.75	9.62	8.14	14.78	10.35	8.63	8.46	6.11	4.76
3	14S-1P	11.99	8.82	7.93	12.59	10.32	8.07	7.49	5.97	4.98
3	14S-1S	11.22	8.76	6.72	14.46	11.03	8.19	7.68	6.20	5.15
3	14S-7P	9.60	7.86	6.67	12.59	10.32	8.76	7.49	5.97	4.99
3	14S-7S	10.57	8.67	7.35	14.17	11.33	9.52	7.73	6.20	5.15
3	16-10P	17.35	14.20	12.01	17.23	14.12	11.98	12.92	10.33	8.05
3	16-10S	16.59	14.50	13.14	16.80	13.74	11.62	10.92	9.82	8.84
4	14S-2P	11.07	9.07	7.30	13.91	10.80	8.03	7.44	5.95	4.97
4	14S-2S	13.21	9.25	6.99	15.54	11.43	10.28	9.20	7.54	6.32
4	18-4P	12.93	10.59	8.99	14.76	12.10	10.27	8.38	6.86	5.51
4	18-4S	14.44	11.83	10.04	16.43	13.47	11.42	9.66	7.52	6.59
4	18-10P	13.31	10.91	9.61	20.28	16.22	13.52	11.77	8.96	6.72
4	18-10S	18.82	15.07	12.55	20.99	16.97	14.40	13.55	10.32	7.91
4	20-4P	16.55	13.55	11.46	17.74	14.52	12.26	10.88	8.46	6.55
4	20-4S	24.70	20.24	17.17	26.16	21.44	18.50	19.12	16.25	14.62
5	14S-5P	12.09	9.43	7.30	14.97	11.66	8.66	8.56	6.86	5.71
5	14S-5S	12.63	8.84	7.07	16.41	12.17	9.04	9.35	7.48	6.23
5	16S-8P	14.24	11.66	9.85	15.58	12.75	10.78	9.01	6.98	5.65
5	16S-8S	13.24	10.86	9.21	16.02	13.11	11.09	9.46	7.37	5.87
5	18-11P	16.44	13.48	10.88	18.03	14.77	12.54	11.77	8.96	6.72
5	18-11S	16.86	13.80	11.68	19.13	15.68	13.00	12.11	10.89	9.91
6	14S-6P	12.63	11.36	9.69	15.68	12.17	9.04	9.33	7.48	6.39
6	14S-6S	13.82	10.16	9.34	15.92	12.44	9.25	9.11	7.28	6.39
6	18-12P	15.69	12.71	10.59	17.38	14.25	12.06	9.25	7.58	6.12
6	18-12S	17.99	14.40	12.00	20.20	16.22	13.53	11.18	7.86	5.85
7	16S-1P	14.33	11.73	9.92	15.02	12.31	10.44	8.84	7.00	5.72
7	16S-1S	15.67	12.82	10.85	16.21	13.29	11.27	10.79	9.01	6.70
7	20-15P	19.70	16.03	13.37	15.49	14.43	13.74	13.71	10.97	8.70
7	20-15S	26.44	21.29	17.74	29.37	23.50	18.40	20.26	14.78	14.08
7	24-2P	21.99	18.33	15.71	22.04	18.37	15.75	15.51	12.68	10.74
7	24-2S	27.75	22.75	19.29	27.99	23.33	19.99	20.91	17.12	14.47
7	28-10P	52.65	47.90	36.78	57.20	47.08	40.27	48.95	40.79	33.30
7	28-10S	69.30	62.27	48.40	74.65	61.53	52.75	67.28	56.07	45.32
8	18-8P	18.08	14.47	12.05	19.18	15.72	13.34	12.81	9.74	7.23
8	18-8S	18.81	15.16	12.85	19.81	16.24	13.78	12.89	10.32	7.91
8	20-7P	18.25	14.96	12.61	17.49	14.34	12.17	11.59	8.82	6.55
8	20-7S	20.52	16.41	13.38	19.34	15.86	13.45	13.20	10.05	7.55
9	20-16P	18.70	15.33	13.00	19.98	16.34	13.83	13.21	10.29	7.91
9	20-16S	17.91	14.69	12.45	22.08	18.07	15.56	13.62	11.14	8.60
9	24-11P	27.44	22.49	19.26	27.49	22.53	21.70	19.02	15.58	13.22
9	24-11S	35.83	29.85	24.38	35.87	29.89	24.40	26.90	24.21	22.27
10	18-1P	17.80	14.47	12.05	21.12	17.05	14.20	12.20	9.74	7.23
10	18-1S	20.28	16.22	13.10	22.61	18.09	15.07	13.42	11.45	8.64
10	18-19P	21.88	17.93	15.21	23.96	19.64	16.65	18.82	13.07	10.96
10	18-19S	19.81	16.24	13.25	21.76	17.41	14.64	13.25	9.60	7.85
14	20-27P	19.46	15.95	13.53	19.59	16.05	13.62	13.58	10.79	8.07
14	20-27S	19.20	15.75	13.36	24.27	19.73	16.44	14.32	10.85	8.05
14	22-19P	19.33	16.61	15.69	22.20	18.20	15.97	16.01	11.59	10.96
14	22-19S	20.87	15.84	16.06	24.01	20.01	16.32	15.79	11.82	9.91
16	24-5P	28.27	23.12	19.57	28.31	23.17	19.60	20.94	16.80	14.25
16	24-5S	31.65	26.38	22.61	26.80	21.97	21.45	23.81	19.47	17.91
16	24-7P	25.76	21.24	18.20	25.81	21.27	18.23	19.60	13.90	12.93
16	24-7S	24.42	21.02	19.53	28.76	23.97	20.55	21.78	15.59	15.22
17	20-29P	21.33	17.48	14.21	24.43	19.55	14.94	15.69	11.94	9.07
17	20-29S	22.89	18.76	15.92	26.67	21.70	18.08	18.04	13.37	11.16
19	22-14P	22.25	18.24	15.48	22.37	18.33	15.65	12.54	11.28	10.15
19	22-14S	28.16	22.51	18.77	29.77	24.40	19.79	20.84	14.40	12.08
20	28-16P	30.67	25.56	21.90	33.80	27.65	25.43	24.04	17.40	16.58
20	28-16S	29.44	24.53	21.03	34.07	27.87	23.58	24.22	16.29	14.85
22	28-11P	29.44	24.14	20.47	32.18	26.38	22.83	22.92	16.74	15.95
22	28-11S	36.00	30.01	24.49	41.43	33.89	27.32	29.47	19.81	17.75
24	24-28P	28.41	23.29	19.75	29.80	24.38	20.62	22.05	15.12	12.68
24	24-28S	27.66	22.68	21.81	32.06	26.28	21.88	25.73	17.68	15.71
30	32-8P	41.14	34.29	28.44	43.46	36.21	28.21	32.15	26.80	22.96
30	32-8S	41.90	34.92	30.80	44.21	36.84	30.08	32.95	27.46	23.53
35	28-15P	34.56	28.80	23.52	42.38	34.67	27.94	28.47	23.29	19.71
35	28-15S	39.74	33.12	27.04	48.13	39.38	29.06	34.20	27.98	23.68
37	28-21P	37.41	30.61	24.66	43.69	34.95	27.75	29.26	19.68	17.42
37	28-21S	42.27	34.60	27.42	49.16	39.33	31.21	32.21	22.55	21.59
52	32-414P	63.85	53.20	45.61	66.19	55.17	47.28	54.87	45.73	37.32
52	32-414S	86.32	71.93	58.71	88.65	73.88	60.30	77.33	64.45	52.72

Mating Plugs

For quantities of 100 and up, call for quote.

# of Pos.	Shell Size and Insert	Straight Cable 97-3106A- Price Each			Straight Cable 97-3106B- Price Each			Right Angle Cable 97-3108B- Price Each		
		1	10	50	1	10	50	1	10	50
1	18-16S	14.75	12.10	10.26	17.91	15.29	14.56	23.57	16.20	14.34
1	18-16P	15.60	12.23	9.54	16.88	15.19	13.67	17.25	14.14	12.00
2	10SL-4S	11.50	10.35	9.31	-----	-----	-----	16.07	11.87	11.31
2	12S-3S	10.60	8.18	7.77	-----	-----	-----	13.03	10.68	9.05
2	12S-3P	10.39	8.25	7.28	-----	-----	-----	13.14	11.82	10.64
3	10SL-3S	11.99	9.50	9.02	-----	-----	-----	16.83	13.19	12.56
3	14S-1S	11.78	9.04	8.13	14.30	11.72	9.82	9.52	8.00	7.62
3	14S-1P	10.95	7.67	5.70	13.22	10.84	9.19	13.07	10.24	7.61
3	14S-7S	11.78	9.56	8.11	12.56	10.29	8.73	9.52	7.88	7.50
3	14S-7P	12.15	9.72	8.09	13.22	10.84	10.28	9.54	7.82	7.38
3	16-10S	17.47	13.98	11.53	-----	-----	-----	20.04	16.40	13.87
3	16-10P	18.76	13.07	12.45	-----	-----	-----	20.29	16.60	14.04
4	14S-2S	12.87	10.20	8.45	14.37	11.79	10.00	14.89	10.95	8.14
4	14S-2P	10.90	7.63	5.67	13.74	10.99	9.17	12.87	10.14	7.54
4	18-4S	14.14	11.11	9.20	16.44	13.48	11.43	17.56	13.53	11.40
4	18-4P	12.39	10.13	7.98	14.87	12.34	10.63	13.88	11.37	9.65
4	18-10S	18.61	12.77	10.71	20.20	16.56	14.05	23.38	16.03	13.45
4	18-10P	16.17	12.63	9.54	18.54	15.17	12.83	15.63	12.82	10.99
4	20-4S	26.34	17.71	15.80	28.83	23.58	19.97	30.17	23.46	19.78
4	20-4P	19.12	13.82	11.59	19.81	16.28	14.03	18.91	15.51	13.16
5	14S-5S	13.30	11.89	8.15	16.34	13.06	10.89	13.21	10.83	8.49
5	14S-5P	12.18	8.53	6.34	14.22	11.66	9.87	12.82	10.51	8.26
5	16S-8S	13.05	10.24	7.61	16.91	13.83	11.71	14.56	11.92	10.24
5	16S-8P	12.57	9.87	7.34	16.49	13.48	11.40	11.43	9.37	9.72
5	18-11S	15.87	11.82	9.91	17.13	15.41	14.27	20.66	15.09	12.66
5	18-11P	16.17	12.64	9.54	19.48	15.94	13.48	19.04	14.65	12.29
6	14S-6S	12.86	11.03	8.30	14.96	12.26	10.41	15.68	11.75	9.14
6	14S-6P	12.26	8.84	6.57	14.36	11.78	9.99	15.41	11.43	8.49
6	18-12S	16.17	12.64	9.54	18.54	15.17	12.83	21.15	14.65	12.29
6	18-12P	14.32	10.53	9.47	17.43	14.25	12.06	18.56	13.89	11.64
7	16S-1S	13.34	10.77	8.41	17.90	14.65	12.39	16.73	13.68	11.58
7	16S-1P	12.63	11.36	9.65	16.58	13.56	11.49	15.40	12.61	10.66
7	20-15S	28.47	18.62	16.49	29.09	23.83	20.21	34.29	27.44	22.86
7	20-15P	21.23	15.14	13.62	24.42	19.99	16.91	19.60	16.07	14.92
7	24-2S	27.09	22.21	19.31	33.87	28.23	24.20	32.50	26.64	22.59
7	24-2P	24.68	20.19	17.08	29.18	24.32	20.84	25.69	22.44	18.98
7	28-10S	74.20	61.09	51.61	72.94	63.68	53.49	67.00	55.16	49.75
7	28-10P	55.75	45.89	39.13	52.16	42.95	38.72	46.39	38.19	38.00
8	18-8S	18.61	12.77	10.71	16.11	13.66	13.01	21.92	16.03	13.45
8	18-8P	17.23	12.65	10.68	16.66	13.66	12.64	17.03	13.97	11.84
8	20-7S	20.56	14.85	12.45	21.11	17.30	14.83	20.23	16.59	14.66
8	20-7P	18.29	14.40	12.31	18.85	16.96	16.11	21.00	17.21	14.60
9	20-16S	22.49	15.12	13.39	20.51	16.81	15.78	21.46	18.14	17.27
9	20-16P	21.49	15.16	12.72	21.29	17.45	15.24	22.24	18.24	17.38
9	24-11S	38.84	31.77	25.61	41.78	34.82	33.07	41.56	34.01	28.77
9	24-11P	29.04	23.76	20.11	34.42	28.69	24.59	32.94	27.00	22.90
10	18-1S	17.28	13.97	11.75	21.51	17.61	14.90	22.14	16.18	14.33
10	18-1P	16.57	11.60	10.68	20.37	16.67	14.10	22.01	15.09	12.66
10	18-19S	19.20	16.32	14.68	17.93	14.70	13.40	22.69	15.26	13.51
10	18-19P	22.86	15.14	13.41	21.56	17.67	16.95	21.92	17.36	15.25
14	20-27S	23.17	15.58	13.80	24.66	20.22	17.16	29.32	23.45	19.54
14	20-27P	19.77	15.53	13.85	24.93	20.40	17.27	27.21	22.12	18.44
14	22-19S	24.04	17.25	16.38	25.97	21.64	18.55	22.95	18.82	16.13
14	22-19P	23.57	15.86	14.57	24.24	20.20	17.19	25.53	21.27	18.10
16	24-5S	34.18	27.96	23.68	37.59	31.32	26.85	36.93	30.21	25.56
16	24-5P	28.29	23.18	21.32	34.70	28.39	24.02	31.27	25.63	21.75
16	24-7S	30.82	20.72	20.49	34.80	29.00	24.85	32.06	26.23	22.19
16	24-7P	28.45	19.13	18.08	32.52	26.66	22.61	29.38	24.09	20.78
17	20-29S	23.27	19.77	17.80	28.59	23.39	19.79	31.34	25.41	21.18
17	20-29P	22.12	14.44	12.12	26.20	21.44	18.14	25.16	20.62	17.49
19	22-14S	28.15	18.36	16.25	28.96	23.74	20.14	30.72	25.13	21.26
19	22-14P	24.04	16.17	14.31	27.66	22.63	19.14	26.41	21.65	18.36
20	28-16S	33.65	22.63	20.48	34.93	29.11	24.96	35.04	29.20	25.03
20	28-16P	33.22	22.33	22.04	34.68	28.90	24.77	33.14	27.62	23.66
22	28-11S	43.38	39.04	35.13	39.78	33.16	28.42	40.13	33.44	31.30
22	28-11P	32.26	21.68	21.42	33.87	28.23	24.20	34.01	29.79	28.37
24	24-28S	34.42	22.66	20.06	39.85	32.60	27.59	39.25	31.41	26.17
24	24-28P	30.82	21.85	19.66	36.49	29.86	25.26	35.47	28.38	23.65
30	32-8S	48.57	40.47	34.69	48.89	40.74	34.92	39.32	36.48	34.74
30	32-8P	47.79	39.83	34.14	48.13	40.11	34.38	38.73	35.94	34.23
35	28-15S	43.72	35.77	30.28	43.75	36.46	31.26	43.87	36.56	31.33
35	28-15P	38.00	31.09	26.29	38.57	32.14	27.55	38.71	32.26	27.65
37	28-21S	40.89	28.62	25.56	46.73	38.23	32.36	46.86	38.34	32.43
37	28-21P	36.27	27.00	24.30	40.99	33.55	28.38	47.84	40.19	29.07
52	32-414S	92.98	77.49	66.42	93.30	77.76	66.64	95.49	79.58	65.28
52	32-414P	70.52	58.77	50.38	67.46	56.22	48.29	55.18	47.27	45.02

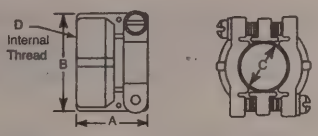
ACCESSORIES FOR AMPHENOL 97 SERIES CONNECTORS

Cable Clamp MS 3057A Type and Bushing

For quantities of 250 and up, call for q

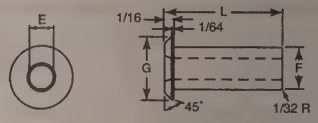
Cable Clamp MS3057A Type

For jacketed cable or wires protected by tubing. Both clamping halves float for maximum strain relief. For unjacketed cable or wires, use corresponding MS3420 bushing. Clamp and bushing can be ordered together.

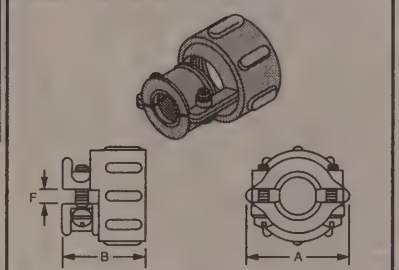


Bushing MS3420

Rubber bushing specifically designed for MS3057A type cable clamp. Can also be used as a reducing bushing. Order separately or with cable clamp.



MOUSER STOCK NO.	Amphenol Part No.	Shell Size	Description	Max. O.D. Cable	A (In.)	B (In.)	C (Dia.)	D Internal Thread	E (In.)	F (In.)	G (In.)	L (In.)	Price Each 1	10	50	10
654-97-3057-1004	97-3057-1004	10SL, 12S	Cable Clamp	5/16	.795	.842	5/16	5/8-24	---	---	---	---	5.56	3.47	2.75	2
654-97-79-513-3	97-79-513-3	10SL, 12S	Bushing	---	---	---	---	---	.130	.210	.374	2.875	1.09	.70	.60	
654-97-79-513-4	97-79-513-4	10SL, 12S	Bushing	---	---	---	---	---	.220	.302	.500	2.750	1.23	.81	.53	
654-97-3057-1004-1	97-3057-1004-1	10SL, 12S	Cable Clamp w/ bushing	5/16	---	---	---	---	---	---	---	---	6.91	4.36	3.52	3
654-97-3057-1007	97-3057-1007	12SL, 14S	Cable Clamp	7/16	.850	.995	7/16	3/4-20	---	---	---	---	5.41	4.00	2.61	2
654-97-79-513-6	97-79-513-6	12SL, 14S	Bushing	---	---	---	---	---	.312	.427	.614	2.625	1.23	.81	.65	
654-97-3057-1007-1	97-3057-1007-1	12SL, 14S	Cable Clamp w/ bushing	7/16	---	---	---	---	---	---	---	---	5.80	5.01	4.46	3
654-97-3057-1008	97-3057-1008	16, 16S	Cable Clamp	9/16	.920	1.120	9/16	7/8-20	---	---	---	---	4.95	3.93	3.57	3
654-97-79-513-8	97-79-513-8	16, 16S	Bushing	---	---	---	---	---	.437	.552	.739	2.500	1.05	.71	.46	
654-97-3057-1008-1	97-3057-1008-1	16, 16S	Cable Clamp w/ bushing	9/16	---	---	---	---	---	---	---	---	6.91	5.07	4.51	4
654-97-3057-1010	97-3057-1010	18	Cable Clamp	5/8	.920	1.216	5/8	1-20	---	---	---	---	5.06	3.68	2.72	2
654-97-79-513-10	97-79-513-10	18	Bushing	---	---	---	---	---	.562	.615	.889	2.375	1.09	.70	.60	
654-97-3057-1010-1	97-3057-1010-1	18	Cable Clamp w/ bushing	5/8	---	---	---	---	---	---	---	---	6.12	4.33	3.20	3
654-97-3057-1012	97-3057-1012	20, 22	Cable Clamp	3/4	.927	1.403	3/4	1-3/16-18	---	---	---	---	5.81	3.68	2.72	2
654-97-79-513-12	97-79-513-12	20, 22	Bushing	---	---	---	---	---	.625	.740	1.084	2.250	1.09	.70	.60	
654-97-3057-1012-1	97-3057-1012-1	20, 22	Cable Clamp w/ bushing	3/4	---	---	---	---	---	---	---	---	6.39	4.42	4.16	3
654-97-3057-1016	97-3057-1016	24, 28	Cable Clamp	15/16	1.015	1.683	15/16	1-7/16-18	---	---	---	---	5.90	4.98	4.23	3
654-97-79-513-12	97-79-513-12	24, 28	Bushing	---	---	---	---	---	.625	.740	1.084	2.250	1.09	.70	.60	
654-97-79-513-16	97-79-513-16	24, 28	Bushing	---	---	---	---	---	.750	.927	1.309	2.125	1.48	.91	.65	
654-97-3057-1016-1	97-3057-1016-1	24, 28	Cable Clamp w/ bushing	15/16	---	---	---	---	---	---	---	---	7.49	6.74	5.25	4
654-97-3057-1020	97-3057-1020	32	Cable Clamp	1-1/4	1.095	2.050	1-1/4	1-3/4-18	---	---	---	---	8.01	6.07	5.80	4
654-97-79-513-20	97-79-513-20	32	Bushing	---	---	---	---	---	.937	1.240	1.591	2.000	1.96	1.43	1.20	1
654-97-3057-1020-1	97-3057-10-1	32	Cable Clamp w/ bushing	1-1/4	---	---	---	---	---	---	---	---	10.84	9.12	8.53	6



AN3057 Cable Clamp

Cable Clamp AN3057

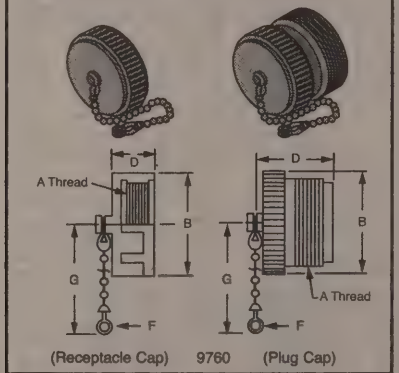
For quantities of 250 and up, call for q

MOUSER STOCK NO.	Amphenol Part No.	Shell Size	AN Size	Max. O.D. Cable	A (In.)	B (In.)	F (In.)	Threads	Price Each 1	10	50	1
654-97-3057-4	97-3057-4	10SL, 12S	4	5/16	25/32	1	3/16	5/8-24	7.56	5.95	5.06	4.
654-97-3057-6	97-3057-6	14, 14S	6	7/16	15/16	1-5/64	3/16	3/4-20	7.64	6.08	5.12	4.
654-97-3057-8	97-3057-8	16,16S	8	9/16	1-1/16	1-1/8	9/32	7/8-20	8.07	6.55	5.39	4.
654-97-3057-10	97-3057-10	18	10	5/8	1-3/16	1-1/8	5/16	1-20	6.94	5.25	4.95	4.
654-97-3057-12	97-3057-12	20, 22	12	3/4	1-3/8	1-3/16	5/16	1-3/16-18	7.11	5.76	5.18	4.
654-97-3057-16	97-3057-16	24, 28	16	15/16	1-5/8	1-5/16	3/8	1-7/16-18	7.82	6.19	5.22	4.
654-97-3057-20	97-3057-20	32	20	1-1/4	1-15/16	1-1/2	1/2	1-3/4-18	10.07	7.94	7.07	6.

9760 Metal Protection Caps with Beaded Chain

For quantities of 250 and up, call for qu

MOUSER STOCK NO.	Amphenol Part No.	Shell Size	A Threads	B (In.)	D (In.)	F (In.)	G (In.)	Price Each 1	10	50	10
For Receptacle Shells											
654-97-60-10	97-60-10	10S, 10SL	5/8-24	13/16	7/16	0.125	2-9/16	4.19	3.50	3.12	2.
654-97-60-12	97-60-12	12, 12S, 12SL	3/4-20	15/16	7/16	0.125	2-9/16	3.75	3.37	2.98	2.
654-97-60-14	97-60-14	14, 14S	7/8-20	1-1/16	7/16	0.125	2-9/16	4.31	3.47	2.84	2.
654-97-60-16	97-60-16	16, 16S	1-20	1-1/8	7/16	0.167	4-5/8	4.98	3.95	3.36	3.
654-97-60-18	97-60-18	18	1-1/8-18	1-5/16	7/16	0.167	4-5/8	5.48	5.36	3.77	3.
654-97-60-20	97-60-20	20	1-1/4-18	1-7/16	7/16	0.167	4-5/8	6.45	5.21	4.68	4.
654-97-60-22	97-60-22	22	1-3/8-18	1-9/16	7/16	0.167	4-5/8	6.67	5.33	4.74	4.
654-97-60-24	97-60-24	24	1-1/2-18	1-11/16	7/16	0.167	4-5/8	9.55	7.94	6.88	6.
654-97-60-28	97-60-28	28	1-3/4-18	1-59/64	1/2	0.167	4-5/8	9.21	7.76	6.71	6.
654-97-60-32	97-60-32	32	2-18	2-3/16	1/2	0.190	5-3/4	13.87	11.89	10.09	9.
For Plug Shells											
654-97-60-10P	97-60-10P	10S, 10SL	5/8-24	5/8	21/32	0.125	2-13/16	5.03	4.12	3.48	3.
654-97-60-12P	97-60-12P	12, 12S, 12SL	3/4-20	3/4	27/32	0.125	3-13/16	9.32	8.11	6.94	6.
654-97-60-14P	97-60-14P	14, 14S	7/8-20	7/8	27/32	0.125	3-13/16	6.27	5.17	4.51	4.
654-97-60-16P	97-60-16P	16, 16S	1-20	1	27/32	0.167	4-5/8	7.05	6.34	5.55	5.
654-97-60-18P	97-60-18P	18	1-1/8-18	1-1/8	27/32	0.167	4-5/8	8.88	7.54	6.51	6.
654-97-60-20P	97-60-20P	20	1-1/4-18	1-1/4	27/32	0.167	4-5/8	14.95	13.55	11.47	10.
654-97-60-22P	97-60-22P	22	1-3/8-18	1-3/8	27/32	0.167	4-5/8	16.25	13.99	11.84	11.
654-97-60-24P	97-60-24P	24	1-1/2-18	1-1/2	27/32	0.167	4-5/8	19.27	16.15	14.08	13.
654-97-60-28P	97-60-28P	28	1-3/4-18	1-3/4	27/32	0.167	4-5/8	12.11	10.02	8.75	7.
654-97-60-32P	97-60-32P	32	2-18	2	27/32	0.260	5-3/4	29.57	25.98	22.17	20.



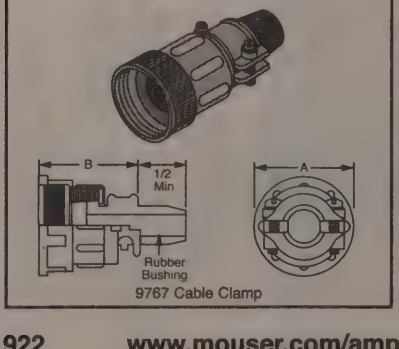
(Receptacle Cap) 9760 (Plug Cap)

9767 Water Resistant Cable Clamp

The 9767 assembly includes AN3057 clamp, a rubber bushing, a washer and a AN3055 adapter.

For quantities of 250 and up, call for qu

MOUSER STOCK NO.	Amphenol Part No.	Shell Size	Max. O.D. Cable	A (In.)	B (In.)	Threads	Price Each 1	10	50	10
654-97-67-12-4	97-67-12-4	10SL, 12S, 12	7/32	25/32	1-17/32	5/8-24	17.08	13.04	11.69	10.
654-97-67-14-4	97-67-14-4	12SL, 14S, 14	7/32	29/32	1-17/32	3/4-20	18.81	14.36	12.87	12.
654-97-67-14-6	97-67-14-6	12SL, 14S, 14	11/32	29/32	1-1932	3/4-20	18.43	16.58	15.26	13.
654-97-67-16-6	97-67-16-6	16S, 16	11/32	1-1/16	1-19/32	7/8-20	18.53	15.75	14.69	13.
654-97-67-18-6	97-67-18-6	18	11/32	1-3/16	1-19/32	1-20	17.84	13.62	12.21	11.
654-97-67-16-8	97-67-16-8	16S, 16	7/16	1-1/16	1-19/32	7/8-20	18.70	16.83	15.14	13.
654-97-67-18-8	97-67-18-8	18	7/16	1-3/16	1-19/32	1-20	19.15	17.23	15.86	14.
654-97-67-22-8	97-67-22-8	20, 22	7/16	1-3/8	1-19/32	1-3/16-18	19.76	16.79	15.11	14.
654-97-67-18-10	97-67-18-10	18	9/16	1-3/16	1-19/32	1-20	19.53	17.57	15.66	14.
654-97-67-22-10	97-67-22-10	20, 22	9/16	1-3/8	1-19/32	1-3/16-18	19.91	15.20	13.62	12.
654-97-67-28-10	97-67-28-10	24, 28	9/16	1-5/8	1-17/32	1-7/16-18	21.64	16.52	14.81	13.
654-97-67-22-12	97-67-22-12	20, 22	11/16	1-3/8	1-21/32	1-3/16-18	22.44	19.07	17.17	16.
654-97-67-28-12	97-67-28-12	24, 28	11/16	1-5/8	1-21/32	1-7/16-18	24.51	20.83	18.75	18.
654-97-67-28-16	97-67-28-16	24, 28	27/32	1-5/8	1-25/32	1-7/16-18	24.04	20.43	18.39	17.



9767 Cable Clamp

MIL-C-5015 TYPE CIRCULAR CONNECTORS, SOLDER CONTACTS

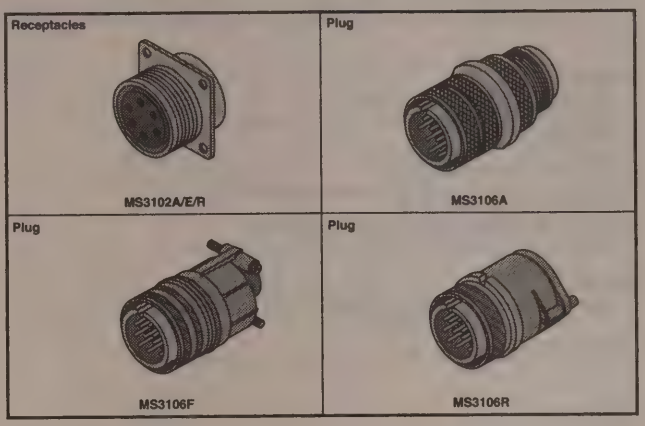
Features:
- Threaded couplings with single key/keyway polarization
- Durable, field-proven design
- Black resilient neoprene insert material
- All connectors shipped assembled and individually packaged

Materials:
- Shells: Fabricated from high grade aluminum alloy with an olive drab chromate finish
- Contacts: Machined copper alloy with a silver plated finish
- Inserts: Black resilient neoprene

Connector Class:
- A-Type: Solid shell for general, non-environmental applications.
- E-Type: Environmental resisting, designed for applications where the connector will be exposed to moisture, vibration, and rapid changes in pressure and temperature.
- F-Type: Environmental resisting with strain relief, designed for applications where the connector will be exposed to moisture, vibration, and rapid changes in pressure and temperature.
- R-Type: Lightweight environmental resisting, shorter in length and lighter in weight than the E and F types.

Insert Arrangements:
See the insert arrangement table in the 97 series catalog section.

Mating Information:
Receptacles mate with plugs on the same line.



Box Mount Receptacles — Mating Plugs

For quantities of 100 and up, call for quote.

# of Pos.	Insert Arrangement	Contact Size	Test Current	MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each 1	Price Each 10	Price Each 50	MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each 1	Price Each 10	Price Each 50
A-Type - Standard Duty															
2	10SL-4	#16	13A	654-MS3102A10SL-4P	MS3102A10SL-4P	Pin	6.84	5.32	4.94	654-MS3106A10SL-4S	MS3106A10SL-4S	Socket	13.87	12.48	11.85
3	10SL-3	#16	13A	654-MS3102A10SL-3P	MS3102A10SL-3P	Pin	7.27	5.66	5.25	654-MS3106A10SL-3S	MS3106A10SL-3S	Socket	16.11	14.49	12.80
3	16-10	#12	23A	654-MS3102A16-10P	MS3102A16-10P	Pin	8.30	6.45	5.99	654-MS3106A16-10S	MS3106A16-10S	Socket	16.85	13.10	12.17
4	14S-2	#16	13A	654-MS3102A14S-2P	MS3102A14S-2P	Pin	7.85	7.06	6.20	654-MS3106A14S-2S	MS3106A14S-2S	Socket	13.34	10.37	9.63
4	14S-2	#16	13A	654-MS3102A14S-2S	MS3102A14S-2S	Socket	8.48	6.59	6.12	654-MS3106A14S-2P	MS3106A14S-2P	Pin	12.46	9.69	9.00
5	14S-5	#16	13A	654-MS3102A14S-5P	MS3102A14S-5P	Pin	7.92	6.16	5.72	654-MS3106A14S-5S	MS3106A14S-5S	Socket	13.91	10.82	10.05
5	14S-5	#16	13A	654-MS3102A14S-5S	MS3102A14S-5S	Socket	9.05	7.04	6.54	654-MS3106A14S-5P	MS3106A14S-5P	Pin	12.78	9.94	9.23
6	14S-6	#16	13A	654-MS3102A14S-6P	MS3102A14S-6P	Pin	8.26	6.43	5.97	654-MS3106A14S-6S	MS3106A14S-6S	Socket	13.00	10.42	10.00
6	14S-6	#16	13A	654-MS3102A14S-6S	MS3102A14S-6S	Socket	9.56	7.43	6.90	654-MS3106A14S-6P	MS3106A14S-6P	Pin	13.12	10.21	9.48
7	16S-1	#16	13A	654-MS3102A16S-1P	MS3102A16S-1P	Pin	9.38	7.29	6.77	654-MS3106A16S-1S	MS3106A16S-1S	Socket	16.72	13.01	12.08
7	16S-1	#16	13A	654-MS3102A16S-1S	MS3102A16S-1S	Socket	11.76	10.58	9.66	654-MS3106A16S-1P	MS3106A16S-1P	Pin	17.45	15.88	13.20
10	18-1	#16	13A	654-MS3102A18-1P	MS3102A18-1P	Pin	11.43	8.89	8.26	654-MS3106A18-1S	MS3106A18-1S	Socket	19.94	15.51	14.40
10	18-1	#16	13A	654-MS3102A18-1S	MS3102A18-1S	Socket	13.70	10.65	9.89	654-MS3106A18-1P	MS3106A18-1P	Pin	17.68	13.75	12.77
E/F-Type - Environmental Resisting															
2	10SL-4	#16	13A	654-MS3102E10SL-4P	MS3102E10SL-4P	Pin	6.50	5.21	5.01	654-MS3106F10SL-4S	MS3106F10SL-4S	Socket	14.07	11.09	10.25
3	10SL-3	#16	13A	654-MS3102E-10SL-3P	MS3102E10SL-3P	Pin	6.05	4.96	4.77	654-MS3106F-10SL-3S	MS3106F10SL-3S	Socket	16.70	11.69	9.65
3	14S-7	#16	13A	654-MS3102E14S-7P	MS3102E14S-7P	Pin	7.61	5.92	5.50	654-MS3106F14S-7S	MS3106F14S-7S	Socket	18.30	14.23	13.21
3	14S-7	#16	13A	654-MS3102E14S-7S	MS3102E14S-7S	Socket	8.33	6.48	6.01	654-MS3106F14S-7P	MS3106F14S-7P	Pin	17.58	13.67	12.70
3	16-10	#12	23A	654-MS3102E16-10P	MS3102E16-10P	Pin	8.69	6.76	6.27	654-MS3106F16-10S	MS3106F16-10S	Socket	23.77	18.49	17.17
3	16-10	#12	23A	654-MS3102E16-10S	MS3102E16-10S	Socket	9.80	7.62	7.07	654-MS3106F16-10P	MS3106F16-10P	Pin	22.67	17.63	16.37
4	14S-2	#16	13A	654-MS3102E14S-2P	MS3102E14S-2P	Pin	7.98	6.21	5.76	654-MS3106F14S-2S	MS3106F14S-2S	Socket	18.83	14.65	13.60
4	14S-2	#16	13A	654-MS3102E14S-2S	MS3102E14S-2S	Socket	8.86	6.89	6.40	654-MS3106F14S-2P	MS3106F14S-2P	Pin	17.95	13.96	12.96
4	18-4	#16	13A	654-MS3102E18-4P	MS3102E18-4P	Pin	9.47	7.37	6.84	654-MS3106F18-4S	MS3106F18-4S	Socket	23.57	18.33	17.02
4	18-4	#16	13A	654-MS3102E18-4S	MS3102E18-4S	Socket	10.49	8.16	7.58	654-MS3106F18-4P	MS3106F18-4P	Pin	22.55	17.54	16.29
4	20-4	#12	23A	654-MS3102E20-4P	MS3102E20-4P	Pin	10.64	8.28	7.69	654-MS3106F20-4S	MS3106F20-4S	Socket	27.50	21.39	19.86
4	20-4	#12	23A	654-MS3102E20-4S	MS3102E20-4S	Socket	12.25	9.53	8.85	654-MS3106F20-4P	MS3106F20-4P	Pin	25.88	20.13	18.69
4	22-22	#8	46A	654-MS3102E22-22P	MS3102E22-22P	Pin	16.14	14.52	13.36	654-MS3106F22-22S	MS3106F22-22S	Socket	37.59	29.24	27.15
4	22-22	#8	46A	654-MS3102E22-22S	MS3102E22-22S	Socket	22.41	17.43	16.19	654-MS3106F22-22P	MS3106F22-22P	Pin	31.39	24.42	22.67
5	14S-5	#16	13A	654-MS3102E14S-5P	MS3102E14S-5P	Pin	8.31	6.46	6.00	654-MS3106F14S-5S	MS3106F14S-5S	Socket	19.41	15.10	14.02
5	14S-5	#16	13A	654-MS3102E14S-5S	MS3102E14S-5S	Socket	9.44	7.34	6.82	654-MS3106F14S-5P	MS3106F14S-5P	Pin	18.28	14.22	13.20
5	16S-8	#16	13A	654-MS3102E16S-8P	MS3102E16S-8P	Pin	8.69	6.76	6.27	654-MS3106F16S-8S	MS3106F16S-8S	Socket	22.49	18.90	17.28
5	16S-8	#16	13A	654-MS3102E16S-8S	MS3102E16S-8S	Socket	9.81	7.63	7.09	654-MS3106F16S-8P	MS3106F16S-8P	Pin	22.25	18.54	16.77
5	18-11	#12	23A	654-MS3102E18-11P	MS3102E18-11P	Pin	7.09	5.51	5.12	654-MS3106F18-11S	MS3106F18-11S	Socket	25.46	19.80	18.38
6	14S-6	#16	13A	654-MS3102E14S-6P	MS3102E14S-6P	Pin	7.00	4.50	3.87	654-MS3106F14S-6S	MS3106F14S-6S	Socket	16.80	12.00	10.25
6	14S-6	#16	13A	654-MS3102E14S-6S	MS3102E14S-6S	Socket	9.95	7.74	7.19	654-MS3106F14S-6P	MS3106F14S-6P	Pin	18.58	14.45	13.42
7	16S-1	#16	13A	654-MS3102E16S-1P	MS3102E16S-1P	Pin	9.77	7.60	7.05	654-MS3106F16S-1S	MS3106F16S-1S	Socket	23.77	18.49	17.17
7	16S-1	#16	13A	654-MS3102E16S-1S	MS3102E16S-1S	Socket	11.09	8.63	8.01	654-MS3106F16S-1P	MS3106F16S-1P	Pin	22.45	17.46	16.22
8	20-7	#16	13A	654-MS3102E20-7P	MS3102E20-7P	Pin	11.64	9.05	8.40	654-MS3106F20-7S	MS3106F20-7S	Socket	28.81	22.41	20.81
8	20-7	#16	13A	654-MS3102E20-7S	MS3102E20-7S	Socket	13.57	10.55	9.80	654-MS3106F20-7P	MS3106F20-7P	Pin	26.88	20.90	19.41
10	18-1	#16	13A	654-MS3102E18-1P	MS3102E18-1P	Pin	10.00	6.50	5.50	654-MS3106F18-1S	MS3106F18-1S	Socket	27.16	21.13	19.62
10	18-1	#16	13A	654-MS3102E18-1S	MS3102E18-1S	Socket	14.08	10.95	10.17	654-MS3106F18-1P	MS3106F18-1P	Pin	24.90	19.37	17.98
14	20-27	#16	13A	654-MS3102E20-27P	MS3102E20-27P	Pin	13.99	10.88	10.11	654-MS3106F20-27S	MS3106F20-27S	Socket	32.41	25.21	23.41
14	20-27	#16	13A	654-MS3102E20-27S	MS3102E20-27S	Socket	17.14	13.33	12.38	654-MS3106F20-27P	MS3106F20-27P	Pin	29.26	22.76	21.13
14	22-19	#16	13A	654-MS3102E22-19S	MS3102E22-19S	Socket	18.58	14.45	13.42	654-MS3106F22-19P	MS3106F22-19P	Pin	29.18	22.69	21.07
17	20-29	#16	13A	654-MS3102E20-29P	MS3102E20-29P	Pin	15.18	11.80	10.96	654-MS3106F20-29S	MS3106F20-29S	Socket	34.16	26.57	24.67
17	20-29	#16	13A	654-MS3102E20-29S	MS3102E20-29S	Socket	18.91	14.71	13.66	654-MS3106F20-29P	MS3106F20-29P	Pin	30.43	23.67	21.98
19	22-14	#16	13A	654-MS3102E22-14P	MS3102E22-14P	Pin	13.57	10.55	9.80	654-MS3106F22-14S	MS3106F22-14S	Socket	35.66	27.73	25.75
19	22-14	#16	13A	654-MS3102E22-14S	MS3102E22-14S	Socket	17.87	13.90	12.90	654-MS3106F22-14P	MS3106F22-14P	Pin	31.39	24.41	22.67
24	24-28	#16	13A	654-MS3102E24-28P	MS3102E24-28P	Pin	18.91	14.70	13.65	654-MS3106F24-28S	MS3106F24-28S	Socket	41.96	32.64	30.31
24	24-28	#16	13A	654-MS3102E24-28S	MS3102E24-28S	Socket	25.34	19.71	18.30	654-MS3106F24-28P	MS3106F24-28P	Pin	35.53	27.63	25.66
37	28-21	#16	13A	654-MS3102E28-21P	MS3102E28-21P	Pin	24.75	19.25	17.88	654-MS3106F28-21S	MS3106F28-21S	Socket	51.66	40.18	37.31
37	28-21	#16	13A	654-MS3102E28-21S	MS3102E28-21S	Socket	33.87	26.34	24.46	654-MS3106F28-21P	MS3106F28-21P	Pin	42.54	33.08	30.72
R-Type - Lightweight Environmental															
2	10SL-4	#16	13A	654-MS3102R10SL-4P	MS3102R10SL-4P	Pin	5.21	5.00	4.90	654-MS3106R10SL-4S	MS3106R10SL-4S	Socket	20.56	15.99	14.85
2	16-11	#12	23A	654-MS3102R16-11P	MS3102R16-11P	Pin	8.15	6.34	5.88	654-MS3106R16-11S	MS3106R16-11S	Socket	21.55	16.76	15.57
3	10SL-3	#16	13A	654-MS3102R10SL-3P	MS3102R10SL-3P	Pin	5.59	4.50	4.42	654-MS3106R10SL-3S	MS3106R10SL-3S	Socket	15.25	11.10	10.95
3	16-10	#12	23A	654-MS3102R16-10S	MS3102R16-10S	Socket	14.78	9.84	7.59	654-MS3106R16-10P	MS3106R16-10P	Pin	20.98	16.32	15.15
4	14S-2	#16	13A	654-MS3102R14S-2P	MS3102R14S-2P	Pin	7.98	6.21	5.76	654-MS3106R14S-2S	MS3106R14S-2S	Socket	18.11	14.09	13.08
4	14S-2	#16	13A	654-MS3102R14S-2S	MS3102R14S-2S	Socket	8.86	6.89	6.40	654-MS3106R14S-2P	MS3106R14S-2P	Pin	17.23	13.40	12.45
5	14S-5	#16	13A	654-MS3102R14S-5P	MS3102R14S-5P	Pin	8.31	6.46	6.00	654-MS3106R14S-5S	MS3106R14S-5S	Socket	19.08	14.84	13.78
5	14S-5	#16	13A	654-MS3102R14S-5S	MS3102R14S-5S	Socket	9.44	7.34	6.82	654-MS3106R14S-5P	MS3106R14S-5P	Pin	17.95	13.96	12.97
6	14S-6	#16	13A	654-MS3102R14S-6P	MS3102R14S-6P	Pin	8.65	6.73	6.25	654-MS3106R14S-6S	MS3106R14S-6S	Socket	19.60	15.24	14.15
6	14S-6	#16	13A	654-MS3102R14S-6S	MS3102R14S-6S	Socket	9.95	7.74	7.19	654-MS3106R14S-6P	MS3106R14S-6P	Pin	18.29	14.23	13.21
7	16S-1	#16	13A	654-MS3102R16S-1P	MS3102R16S-1P	Pin	9.77	7.60	7.05	654-MS3106R16S-1S	MS3106R16S-1S	Socket	22.24	17.30	16.06
4+6	24-11	#8/12	46/23A	654-MS3102R24-11P	MS3102R24-11P	Pin	17.89	13.91	12.92	654-MS3106R24-11S	MS3106R24-11S	Socket	40.79	31.73	29.46
10	18-1	#16	13A	654-MS3102R18-1P	MS3102R18-1P	Pin	11.82	9.19	8.54	654-MS3106R18-1S	MS3106R18-1S	Socket	26.17	20.35	18.90
14	20-27	#16	13A	654-MS3102R20-27P	MS3102R20-27P	Pin	13.99	10.88	10.11	654-MS3106R20-27S	MS3106R20-27S	Socket	29.98	23.32	21.65

PT SERIES SOLDER TYPE (MIL-C-26482, SERIES 1)

Amphenol Miniature Cylindrical connectors offer twice the number of contacts in just half the size of a standard connector. The PT series offers quick positive three point bayonet lock coupling. A complete connector assembly consists o a shell with an installed insert. **All connectors shipped fully assembled, labeled and individually packaged.**

Features:
- Medium size, widely used cylindrical connector
- Corrosion resistant cadmium plate with an olive drab chromate finish
- Five key/keyway polarization
- Quick positive three point bayonet lock coupling
- Visual confirmation of complete coupling
- Spring tension provided by a wave washer ensures maintenance of interfacial seal between mating halves
- Resilient neoprene insert and main joint gasket provides excellent moisture sealing and superior electrical contact isolation

Materials:
- Shells: High grade aluminum alloy, with a conductive cadmium plate finish and an olive drab chromate after treatment.
- Inserts: Black resilient neoprene
- Contacts: Gold plated copper alloy. Socket contacts are a closed entry design.

Recognition
File #E115497

Quick selection guide for the standard Amphenol PT series.

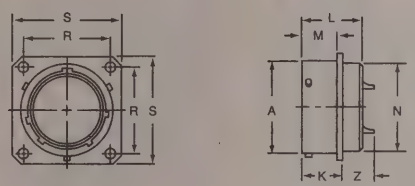
1. **How many wires are you going to connect and what guage?**
   Use the insert arrangement table on the following page for selecting insert configuration.
2. **What kind of receptacle shell do you need? The plug only mates with receptacles.**
   Box Mount: PT02, Jam Nut: PT07, Wall Mount: PT00
3. **Which connector shell gets the socket insert? The receptacle or the plug shell?**
   Either pin or socket inserts can be used with plug or receptacle shells. The rule of thumb is use the socket insert for the connector on the "hot" side of circuit.

PT Service Classes:

A General Duty; back shell is threaded for conduit attachment of MS3057 cable clamp†
A (SR) General Duty; with strain relief clamp for cable or wire bundle support
E Environmental resistant connectors - supplied with a multi-holed grommet and clamping nut for moisture-proofing individual open wires
E (SR) Environmental resistant strain relief clamp and grommet for moisture proofing individual wires; provides added wire bundle support

† PT02 Shells do not have a threaded back shell

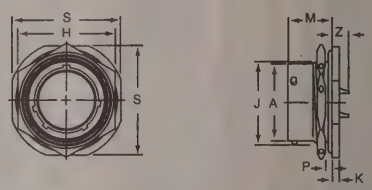
PT02 Box Mount Receptacle



DIMENSIONS (IN)

Shell Size	R	S	A +.001 -.005	K +.020 -.010	L Max.	M +.010 -.000	N Dia. Max.	Z Max.
8	.594	.812	.473	.493	.825	.431	.449	.465
10	.719	.938	.590	.493	.825	.431	.573	.465
12	.812	1.031	.750	.493	.825	.431	.699	.465
14	.906	1.125	.875	.493	.825	.431	.823	.465
16	.969	1.219	1.000	.493	.825	.431	.949	.465
18	1.062	1.312	1.125	.493	.825	.431	1.073	.465
20	1.156	1.438	1.250	.650	1.076	.556	1.199	.526
22	1.250	1.562	1.375	.650	1.076	.556	1.323	.526
24	1.375	1.688	1.500	.683	1.109	.589	1.449	.493

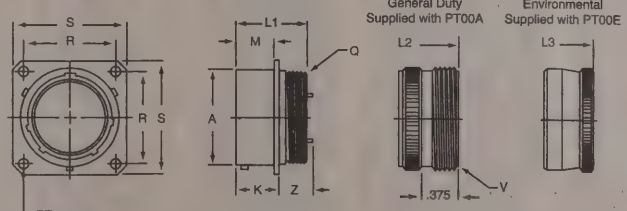
PT07 Jam Nut Receptacle



DIMENSIONS (IN)

Shell Size	H ±.016	S	A +.001 -.005	J Flat +.000 -.010	K +.011 -.010	M	Z	P Panel Thickness Min.	P Panel Thickness Max.
8	.750	.938	.473	.530	.125	.696	.231	.062	.125
10	.875	1.062	.590	.655	.125	.696	.231	.062	.125
12	1.062	1.250	.750	.818	.125	.696	.231	.062	.125
14	1.188	1.375	.875	.942	.125	.696	.231	.062	.125
16	1.312	1.500	1.000	1.066	.125	.696	.231	.062	.125
18	1.438	1.625	1.125	1.191	.125	.696	.231	.062	.125
20	1.562	1.812	1.250	1.316	.156	.884	.261	.062	.250
22	1.688	1.938	1.375	1.441	.156	.884	.261	.062	.250
24	1.816	2.062	1.500	1.566	.156	.917	.228	.062	.250

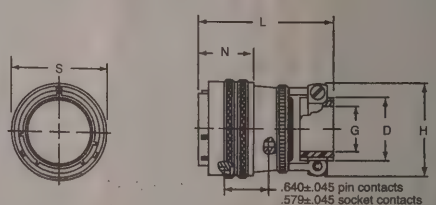
PT00 Wall Mount Receptacle



DIMENSIONS (IN)

Shell Size	R	S	A +.001 -.005	K +.020 -.010	L1 Max.	L2 A Class	L3 E Class	M +.010 -.000	Z Max.	Q Thread	V Thread
8	.594	.812	.473	.493	.825	1.553	1.266	.431	.468	.4375-28	.5000-28
10	.719	.938	.590	.493	.825	1.553	1.266	.431	.468	.5625-24	.6250-24
12	.812	1.031	.750	.493	.825	1.553	1.266	.431	.468	.6875-24	.7500-20
14	.906	1.125	.875	.493	.825	1.553	1.266	.431	.468	.8125-20	.8750-20
16	.969	1.219	1.000	.493	.825	1.553	1.266	.431	.468	.9375-20	1.0000-20
18	1.062	1.312	1.125	.493	.825	1.553	1.266	.431	.531	1.0625-18	1.1875-18
20	1.156	1.438	1.250	.650	1.076	1.703	1.516	.556	.531	1.1875-18	1.1875-18
22	1.250	1.562	1.375	.650	1.076	1.703	1.516	.556	.531	1.3125-18	1.4375-18
24	1.375	1.688	1.500	.683	1.076	1.765	1.578	.589	.498	1.4375-18	1.4375-18

PT06-SR Straight Plug with Strain Relief



DIMENSIONS (IN)

Shell Size	S Max.	L	N Max.	D Min.	G	H Max.
8	.750	1.906	.906	.240	.125	.812
10	.859	1.906	.906	.302	.188	.875
12	1.013	1.906	.906	.428	.312	1.000
14	1.156	1.906	.906	.552	.375	1.125
16	1.281	2.047	.906	.615	.500	1.188
18	1.319	2.078	.906	.740	.625	1.438
20	1.531	2.250	1.062	.740	.625	1.438
22	1.656	2.250	1.062	.928	.750	1.625
24	1.776	2.312	1.062	.990	.800	1.750

PT SERIES SOLDER TYPE (MIL-C-26482, SERIES 1) (CONT.)

Contact Specifications

Contact Size	Test Current	Maximum Milivolt Drop†	Solder Well Diameter	Solder Well Depth	Wire Gauge (AWG)
20	7.5A	55	0.046"	0.125"	20-24
16	13A	50	0.078"	0.188"	16-22

† Silver plated wire per MIL-C-26482

Service Ratings

Service Class	Recommended Operating AC Voltage @ Sea Level	Test Voltage AC (RMS), 60 cps			
		Sea Level	50,000 ft.	70,000 ft.	110,000 ft.
I	600	1,500	500	375	200
II	1,000	2,300	750	500	200

How to build a standard Amphenol PT series part number:

PT - 02 A - 8 - 2 P - SR

- **PT-** Series
- **Shell Type**: 02 Box receptacle; 07 Jam nut receptacle; 00 Wall receptacle; 06 Straight plug
- **Service Class**: A- General Duty; E- Environmental
- **Shell Size**: 8, 10, 12, 14, 16, 18, 20, 22
- **Insert Arrangement**: Numerical designation for insert configurations. (See insert chart section for availability)
- **Contact Type**: P=Pin; S=Socket
- **Strain Relief** (Supplied with plug)

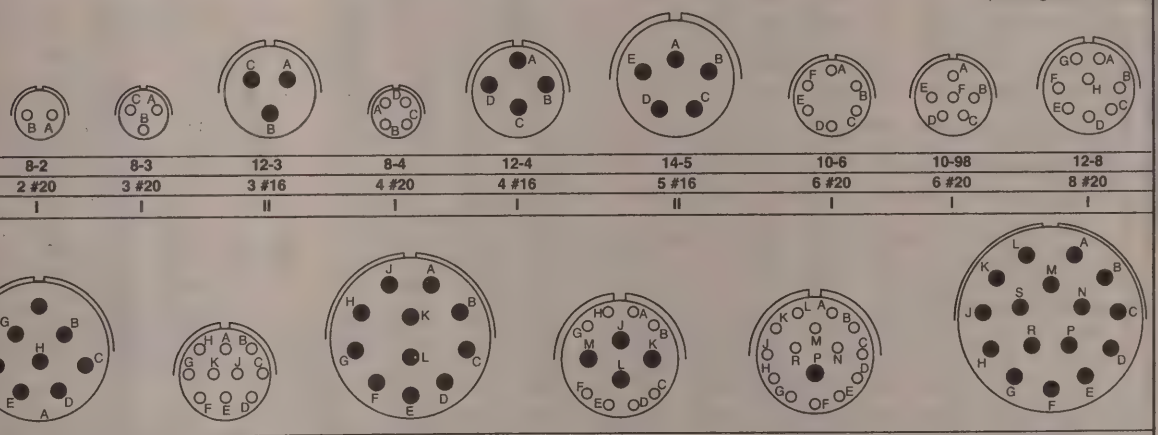
Contact Legend:

● #16
○ #20

Recognition File #E115497

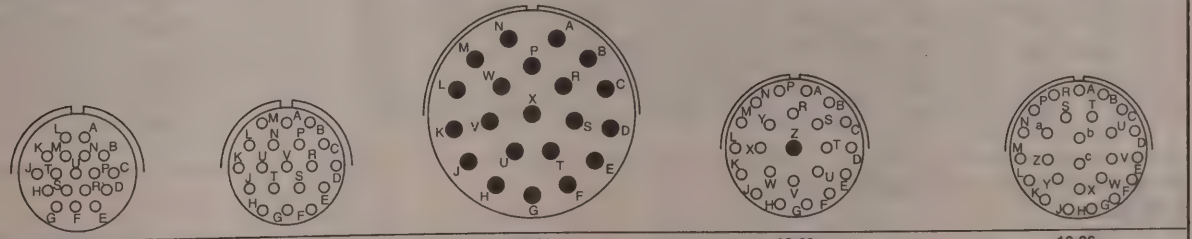
Insert Arrangements
(Front View of Pin Insert)

(Drawings Not to Scale)

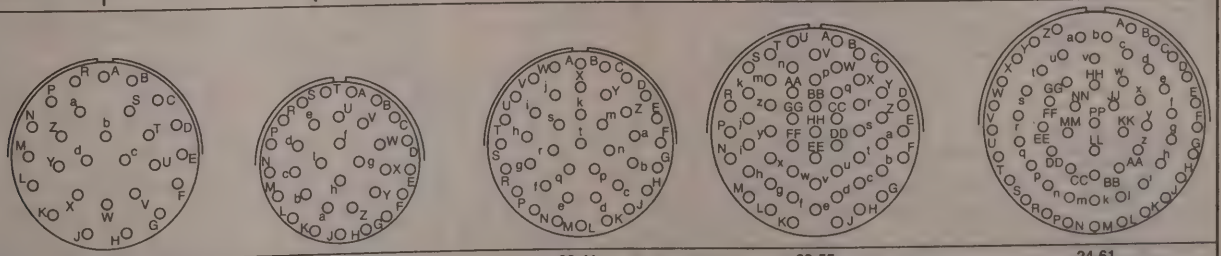


Insert Arrangement	8-2	8-3	12-3	8-4	12-4	14-5	10-6	10-98	12-8
Contacts	2 #20	3 #20	3 #16	4 #20	4 #16	5 #16	6 #20	6 #20	8 #20
Service Rating	I	I	II	I	I	II	I	I	I

Insert Arrangement	16-8	12-10	18-11	14-12	14-15	20-16
Contacts	8 #16	10 #20	11 #16	8 #20 4 #16	14 #20 1 #16	16 #16
Service Rating	II	I	II	I	I	II



Insert Arrangement	14-18	14-19	22-21	16-23	16-26
Contacts	18 #20	19 #20	21 #16	22 #20 1 #16	26 #20
Service Rating	I	I	II	I	I



Insert Arrangement	20-27	18-32	20-41	22-55	24-61
Contacts	27 #20	32 #20	41 #20	55 #20	61 #20
Service Rating	I	I	I	I	I

PT SERIES SOLDER TYPE (MIL-C-26482, SERIES 1) (CONT.)

How to build a standard Amphenol PT series part number:
Combine the shell part number with insert arrangement number to complete the Amphenol part number. **Receptacle Example:** From the table below combine a box mount shell number **(PT02A-)** with an insert number **(8-2P)** to create a complete Amphenol part number **(PT02A-8-2P)**. Plug Example: From the table below combine a plug shell number **(PT06A-SR)** with an insert number **(8-2S)** to create a complete Amphenol part number **(PT06A-8-2S-SR)**. The standard Amphenol PT series shells are constructed with a high grade aluminum alloy and come in a olive drab chromate finish. The black resilient neoprene inserts have pre-installed gold plated contacts with solder cups. **All connectors are shipped fully assembled, labeled and individually packaged.** For complete connector specifications and descriptions see the previous pages.

To make a mating receptacle - plug connection:
From the table below, select a plug combination off of the same line as the selected receptacle combination. For Example: A **PT02A-8-2P** box mount receptacle will mate with any of the plugs with the **8-2S** insert.
Receptacles only mate with plugs on the same line.

Recognition File #E115497

PT Receptacles

For quantities of 100 and up, call for quote.

# of Pos.	Shell Size and Insert	General Duty Box Mount PT02A- Price Each			General Duty Jam Nut PT07A- Price Each			General Duty Wall Mount PT00A- Price Each			Environmental Wall Mount PT00E- Price Each		
		1	10	50	1	10	50	1	10	50	1	10	50
2	8-2P	7.47	7.00	6.77	17.83	16.71	16.16	11.77	11.04	10.67	12.70	11.91	11.51
2	8-2S	7.88	7.39	7.14	18.24	17.10	16.53	12.20	11.44	11.06	13.12	12.30	11.89
3	8-3P	7.33	6.87	6.64	17.69	16.58	16.03	11.60	10.88	10.52	12.69	11.90	11.50
3	8-3S	8.32	7.80	7.54	18.68	17.51	16.93	12.63	11.84	11.44	13.69	12.83	12.41
3	12-3P	12.05	9.69	8.38	20.26	19.00	18.36	13.00	12.19	11.79	15.21	14.26	13.79
3	12-3S	13.79	11.09	9.60	21.46	20.12	19.45	14.24	13.35	12.90	16.41	15.38	14.87
4	8-4P	8.69	7.10	6.30	17.99	16.86	16.30	11.89	11.14	10.77	12.82	12.02	11.62
4	8-4S	9.84	7.52	6.62	18.78	17.61	17.02	12.70	11.91	11.51	13.62	12.77	12.34
4	12-4P	14.04	13.16	12.72	25.40	23.81	23.02	18.27	17.13	16.56	26.83	25.15	24.31
4	12-4S	16.05	15.04	14.54	27.41	25.69	24.84	20.34	19.07	18.43	28.83	27.03	26.13
5	14-5P	15.23	10.59	7.88	26.40	24.20	20.77	15.27	14.32	13.84	17.13	16.06	15.52
5	14-5S	17.39	13.99	12.09	23.72	22.24	21.50	17.24	16.16	15.62	19.04	17.85	17.26
6	10-6P	11.08	7.47	6.10	19.15	17.95	17.35	11.12	8.51	7.10	16.75	12.10	11.03
6	10-6S	11.85	8.63	8.04	25.80	20.40	18.60	16.03	13.20	11.20	19.40	14.51	13.34
6	10-98P	8.26	7.74	7.48	18.91	17.73	17.14	12.61	11.82	11.43	14.74	13.82	13.36
6	10-98S	9.45	8.86	8.56	20.10	18.84	18.22	13.84	12.97	12.54	15.93	14.93	14.43
8	12-8P	9.09	8.52	8.24	20.45	19.17	18.54	13.08	12.26	11.85	15.54	14.57	14.08
8	12-8S	10.73	10.06	9.73	22.10	20.71	20.02	14.77	13.85	13.38	17.18	16.11	15.57
8	16-8P	13.11	12.29	11.88	25.41	23.83	23.03	18.17	17.03	16.46	20.61	19.32	18.68
8	16-8S	23.51	15.25	12.81	28.55	26.76	25.87	21.30	19.97	19.31	23.75	22.26	21.52
10	12-10P	14.10	11.07	9.34	20.86	19.56	18.91	13.45	12.61	12.19	15.95	14.96	14.46
10	12-10S	14.56	11.59	9.89	22.91	21.48	20.76	15.56	14.59	14.10	18.00	16.88	16.31
11	18-11P	14.29	13.39	12.95	26.64	24.97	24.14	19.75	18.51	17.90	22.88	21.45	20.74
11	18-11S	18.69	17.52	16.94	31.04	29.10	28.13	24.15	22.64	21.88	27.28	25.58	24.72
12	14-12P	11.44	10.72	10.37	22.46	21.06	20.36	15.77	14.78	14.29	18.01	16.88	16.32
12	14-12S	14.68	13.76	13.30	25.70	24.09	23.29	19.10	17.91	17.31	21.24	19.92	19.25
15	14-15P	11.26	10.56	10.21	22.29	20.89	20.20	15.51	14.54	14.06	20.26	19.00	18.36
15	14-15S	14.50	13.60	13.14	25.53	23.93	23.13	18.66	17.50	16.91	23.50	22.03	21.30
16	20-16P	24.53	15.59	13.84	32.45	30.43	29.41	25.90	24.28	23.47	28.49	26.70	25.81
16	20-16S	31.89	22.17	19.84	38.23	35.84	34.65	31.67	29.70	28.71	34.26	32.12	31.05
18	14-18P	12.18	11.42	11.04	23.20	21.75	21.02	16.34	15.31	14.80	18.56	17.40	16.82
18	14-18S	16.23	15.21	14.71	30.06	27.66	25.44	20.39	19.11	18.48	22.61	21.20	20.49
19	14-19P	14.18	12.13	10.40	23.30	21.85	21.12	16.44	15.41	14.90	18.57	17.41	16.83
19	14-19S	14.48	10.08	9.50	27.02	25.33	24.49	20.16	18.90	18.27	22.29	20.90	20.20
21	22-21P	22.53	21.12	20.42	34.83	32.66	31.57	28.47	26.69	25.80	32.31	30.29	29.28
21	22-21S	30.59	28.68	27.72	42.89	40.21	38.87	36.53	34.25	33.10	40.36	37.84	36.58
23	16-23P	14.18	13.29	12.85	26.49	24.83	24.00	24.05	21.65	18.04	28.87	25.98	21.65
23	16-23S	19.10	17.90	17.31	31.41	29.44	28.46	30.20	27.18	22.65	35.01	31.51	26.26
26	16-26P	14.76	13.84	13.38	27.07	25.38	24.53	19.82	18.58	17.96	22.47	21.07	20.36
26	16-26S	19.72	18.49	17.88	32.03	30.03	29.03	24.79	23.24	22.46	27.44	25.72	24.86
27	20-27P	21.81	20.45	19.77	34.99	32.80	31.71	28.43	26.66	25.77	31.77	29.78	28.79
27	20-27S	28.95	27.14	26.24	42.13	39.50	38.18	35.58	33.35	32.24	38.91	36.48	35.26
32	18-32P	17.80	16.69	16.13	30.15	28.27	27.33	23.26	21.81	21.08	26.75	25.08	24.25
32	18-32S	22.07	20.69	20.00	34.42	32.27	31.19	27.53	25.81	24.95	31.02	29.08	28.11
41	20-41P	25.93	24.31	23.50	39.10	36.66	35.44	32.55	30.51	29.50	35.18	32.98	31.88
41	20-41S	35.98	33.73	32.61	49.16	46.08	44.55	42.60	39.94	38.61	45.24	42.41	40.99
55	22-55P	30.46	21.17	18.95	41.23	38.65	37.37	34.87	32.69	31.60	38.74	36.32	35.11
55	22-55S	51.56	46.40	41.76	57.02	53.46	51.67	50.66	47.49	45.91	54.53	51.12	49.42
61	24-61P	34.30	32.16	31.09	59.59	55.87	54.01	43.39	40.68	39.32	48.63	45.59	44.07
61	24-61S	49.94	46.82	45.25	75.22	70.52	68.17	59.02	55.33	53.49	64.26	60.25	58.24

PT Mating Plugs

For quantities of 100 and up, call for q

# of Pos.	Shell Size and Insert	General Duty Plug w/Strain Relief PT06A-XX-XXX-SR Price Each			Environmental Plug w/Strain Relie PT06E-XX-XXX-S Price Each		
		1	10	50	1	10	5
2	8-2S	16.77	15.72	15.19	16.56	15.52	15.
2	8-2P	16.35	15.33	14.82	16.14	15.13	14.
3	8-3S	17.20	16.13	15.59	17.13	16.06	15.
3	8-3P	16.21	15.20	14.69	16.13	15.13	14.
3	12-3S	17.71	16.61	16.05	29.12	18.90	16.
3	12-3P	16.52	15.49	14.97	27.89	17.74	16.
4	8-4S	19.30	14.02	12.81	25.63	17.61	15.
4	8-4P	19.07	13.54	12.41	22.89	17.55	15.
4	12-4S	23.66	22.18	21.44	32.21	30.19	29.
4	12-4P	21.65	20.30	19.62	30.20	28.31	27.
5	14-5S	21.09	19.77	19.11	31.37	21.80	19.
5	14-5P	19.18	17.98	17.38	30.92	20.46	18.
6	10-6S	24.11	17.22	15.80	26.43	20.17	17.
6	10-6P	19.90	14.83	13.08	22.15	16.61	15.
6	10-98S	19.01	17.82	17.23	19.60	18.38	17.
6	10-98P	17.82	16.71	16.15	18.41	17.26	16.
8	12-8S	18.35	17.20	16.63	20.56	19.27	18.
8	12-8P	16.71	15.66	15.14	18.91	17.73	17.
8	16-8S	26.13	24.49	23.68	39.57	27.65	24.
8	16-8P	22.99	21.56	20.84	35.32	24.53	21.
10	12-10S	20.46	19.44	18.47	22.90	18.59	16.
10	12-10P	16.12	12.80	9.89	19.87	17.88	16.
11	18-11S	30.31	28.42	27.47	33.66	31.56	30.
11	18-11P	25.91	24.29	23.48	29.26	27.44	26.
12	14-12S	23.07	21.63	20.91	25.50	23.91	23.
12	14-12P	19.83	18.59	17.97	22.26	20.87	20.
15	14-15S	22.90	21.47	20.75	27.76	26.02	25.
15	14-15P	19.66	18.43	17.81	24.52	22.99	22.
16	20-16S	37.16	34.84	33.68	56.29	39.62	35.
16	20-16P	31.39	29.43	28.45	46.58	32.61	29.
18	14-18S	24.62	23.08	22.31	26.86	25.18	24.
18	14-18P	20.57	19.29	18.64	26.73	25.11	23.
19	14-19S	24.39	22.87	22.10	31.62	28.45	25.
19	14-19P	20.67	19.38	18.73	30.82	21.90	19.
21	22-21S	44.12	41.36	39.98	47.27	44.31	42.
21	22-21P	36.06	33.81	32.68	39.21	36.76	35.
23	16-23S	28.98	27.17	26.27	33.53	31.44	30.
23	16-23P	24.07	22.56	21.81	28.61	26.83	25.
26	16-26S	29.61	27.76	26.83	32.96	30.90	29.
26	16-26P	24.65	23.11	22.33	27.99	26.24	25.
27	20-27S	41.07	38.50	37.22	45.04	42.23	40.
27	20-27P	33.92	31.80	30.74	37.90	35.53	34.
32	18-32S	33.69	31.59	30.54	37.40	35.06	33.
32	18-32P	29.43	27.59	26.67	33.14	31.06	30.
41	20-41S	48.09	45.09	43.58	51.37	48.16	46.
41	20-41P	38.04	35.66	34.47	41.31	38.73	37.
55	22-55S	58.25	54.61	52.79	61.13	42.49	41.
55	22-55P	42.46	39.81	38.48	57.01	39.63	35.
61	24-61S	65.13	61.06	59.03	71.02	66.58	64.
61	24-61P	49.50	46.41	44.86	55.38	51.92	50.

PT SERIES CRIMP TYPE (MIL-C-26482, SERIES 1)

Amphenol SE crimp type miniature connectors provide performance and versatility needed for applications demanding high reliability and crimp removable contacts. These crimp contacts are rear insertable/front release and are held in position by an MS approved spring tower retention system. Crimp contacts are supplied with connectors. Product specifications are comparable and are intermateable and intermountable to the PT solder series **(See above text for ordering information).**

Mouser Stock No. Mfr.	Mouser Stock No. Mfr. Part No.	Description	Price Each. 1	Price Each. 10
654	M22520/1-01	Crimp Tool Frame Only	279.00	269.00
654	M22520/1-02	Crimp Tool Turret Head†	110.00	100.00
654	10-314980-16P	#16 Pin Contact	.79	.55
654	10-257982-16F	#16 Socket Contact	1.49	1.19
654	10-314980-20P	#20 Pin Contact	.79	.55
654	LP-597820-355	#20 Socket Contact	.89	.66

† Use with tool frame for a complete tool.

PT Receptacles

# of Pos.	Shell Size and Insert	Environmental Box Mount PT02SE- Price Each		
		1	10	50
3	8-33P	73.15	66.88	58.52
3	12-3P	21.49	19.65	17.19
5	14-5P	27.93	18.62	16.63
6	10-6P	21.84	19.97	17.47
6	10-6S	23.66	21.63	18.93
10	12-10P	22.93	20.96	18.34
10	12-10S	25.41	23.23	20.33
8/4	14-12S	40.85	36.76	33.08
18	14-18P	36.58	32.92	30.28
19	14-19P	30.98	28.32	25.48
26	16-26P	37.91	34.66	30.32
41	20-41P	55.34	50.59	44.27
55	22-55P	57.26	52.35	45.81
61	24-61P	64.02	58.53	51.21

PT Mating Plugs

# of Pos.	Shell Size and Insert	Environmental Plug w/Strain Relief PT06SE-XX-XXX-SR Price Each			Co S
		1	10	50	
3	8-33S	35.77	32.70	28.62	2
3	12-3S	27.16	24.83	23.73	1
5	14-5S	39.52	26.35	25.53	1
6	10-6S	29.33	26.82	23.46	2
6	10-6P	24.12	22.05	19.29	2
10	12-10S	31.40	28.70	25.12	2
10	12-10P	29.09	26.59	23.27	2
8/4	14-12P	35.74	32.67	28.59	20
18	14-18S	35.67	32.61	28.53	2
19	14-19S	36.61	33.47	29.29	2
26	16-26S	44.35	40.54	35.48	2
41	20-41S	65.66	60.03	52.53	2
55	22-55S	74.66	68.26	59.72	2
61	24-61S	83.13	76.00	66.50	2

MOUSER ELECTRONICS a tti company (800) 346-6873

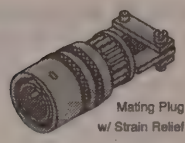
S TYPE ENVIRONMENTAL MINIATURE BAYONET CONNECTORS (MIL-C-26482, SERIES 1)

atures:
- Bayonet couplings with 5 key/keyway polarization
- Visual confirmation of complete mating
- Durable, field-proven design
- Solder Contacts
- All connectors shipped assembled and individually packaged

Specifications:
- Temperature Range: -40° F to + 185°F (IEC 60068-1)
- Shells: Fabricated from high grade aluminum alloy with an olive drab chromate finish
- Contacts: Machined copper alloy
- Inserts: Black resilient neoprene with white printing

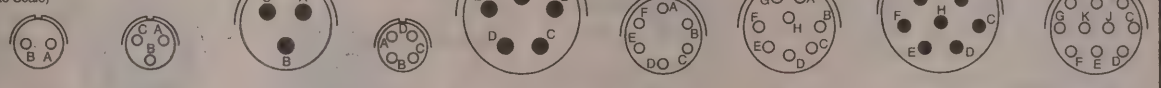
Mating Information:
- Receptacles mate with plugs on the same line.

Box Mount Receptacle

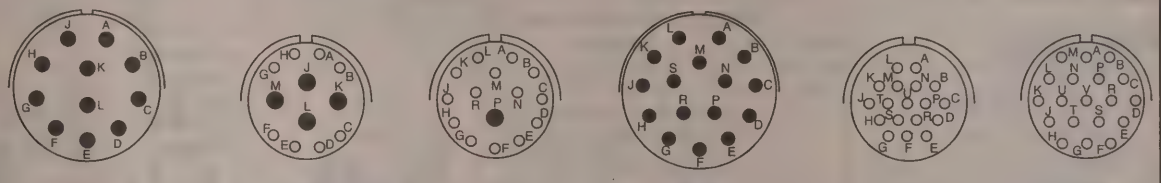

Mating Plug w/ Strain Relief

Insert Arrangements (Front View of Pin Insert)

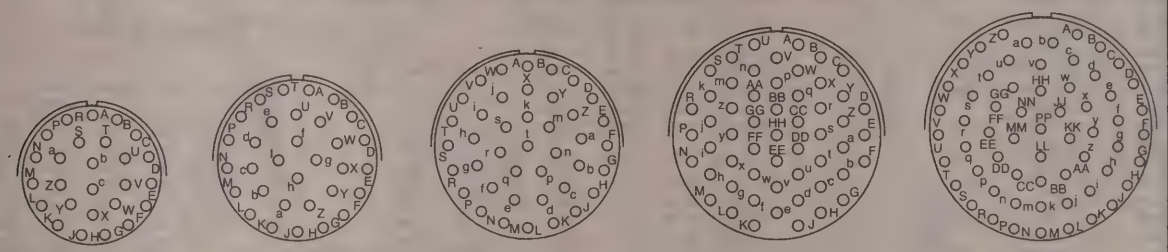
(Drawings Not to Scale)



Insert Arrangement	8-2	8-3	12-3	8-4	14-5	10-6	12-8	16-8	12-10
Contacts	2 #20	3 #20	3 #16	4 #20	5 #16	6 #20	8 #20	8 #16	10 #20



Insert Arrangement	18-11	14-12	14-15	20-16	14-18	14-19
Contacts	11 #16	8 #20 4 #16	14 #20 1 #16	16 #16	18 #20	19 #20



Insert Arrangement	16-26	18-32	20-41	22-55	24-61
Contacts	26 #20	32 #20	41 #20	55 #20	61 #20

Receptacles

Mating Plugs

For quantities of 100 and up, call for quote.

of os.	Insert Arrangement	Contact Size	Test Current	MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each 1	10	50	MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each 1	10	50
2	8-2	#20	7.5A	654-MS3112E8-2S	MS3112E8-2S	Socket	10.37	8.54	7.93	654-MS3116F8-2P	MS3116F8-2P	Pin	18.49	16.64	15.80
2	8-2	#20	7.5A	654-MS3112E8-2P	MS3112E8-2P	Pin	9.63	8.25	7.61	654-MS3116F8-2S	MS3116F8-2S	Socket	19.23	15.84	14.71
3	8-3	#20	7.5A	654-MS3112E8-3S	MS3112E8-3S	Socket	10.98	9.04	8.39	654-MS3116F8-3P	MS3116F8-3P	Pin	18.99	17.09	15.38
3	8-3	#20	7.5A	654-MS3112E8-3P	MS3112E8-3P	Pin	9.98	6.30	4.90	654-MS3116F8-3S	MS3116F8-3S	Socket	19.99	16.46	15.28
3	12-3	#16	13.0A	654-MS3112E12-3S	MS3112E12-3S	Socket	12.22	10.07	9.35	654-MS3116F12-3P	MS3116F12-3P	Pin	21.32	17.56	16.30
3	12-3	#16	13.0A	654-MS3112E12-3P	MS3112E12-3P	Pin	10.26	9.34	8.98	654-MS3116F12-3S	MS3116F12-3S	Socket	22.19	18.27	16.97
4	8-4	#20	7.5A	654-MS3112E8-4S	MS3112E8-4S	Socket	11.76	10.32	9.40	654-MS3116F8-4P	MS3116F8-4P	Pin	19.21	15.82	14.69
4	8-4	#20	7.5A	654-MS3112E8-4P	MS3112E8-4P	Pin	10.38	8.55	7.94	654-MS3116F8-4S	MS3116F8-4S	Socket	20.58	16.95	15.74
5	14-5	#16	13.0A	654-MS3112E14-5S	MS3112E14-5S	Socket	14.82	12.21	11.34	654-MS3116F14-5P	MS3116F14-5P	Pin	24.17	19.91	18.48
5	14-5	#16	13.0A	654-MS3112E14-5P	MS3112E14-5P	Pin	13.24	10.90	10.13	654-MS3116F14-5S	MS3116F14-5S	Socket	25.91	21.34	19.81
6	10-6	#20	7.5A	654-MS3112E10-6S	MS3112E10-6S	Socket	10.48	8.63	8.01	654-MS3116F10-6P	MS3116F10-6P	Pin	20.97	17.27	16.04
6	10-6	#20	7.5A	654-MS3112E10-6P	MS3112E10-6P	Pin	11.04	9.09	8.44	654-MS3116F10-6S	MS3116F10-6S	Socket	23.00	18.94	17.59
8	16-8	#16	13.0A	654-MS3112E16-8S	MS3112E16-8S	Socket	18.87	15.54	14.43	654-MS3116F16-8P	MS3116F16-8P	Pin	29.18	24.03	22.31
8	16-8	#16	13.0A	654-MS3112E16-8P	MS3112E16-8P	Pin	15.60	12.85	11.93	654-MS3116F16-8S	MS3116F16-8S	Socket	32.45	26.72	24.81
8	12-8	#20	7.5A	654-MS3112E12-8S	MS3112E12-8S	Socket	14.98	13.48	12.13	654-MS3116F12-8P	MS3116F12-8P	Pin	22.84	20.56	18.24
8	12-8	#20	7.5A	654-MS3112E12-8P	MS3112E12-8P	Pin	12.21	10.05	9.33	654-MS3116F12-8S	MS3116F12-8S	Socket	23.78	21.40	20.07
0	12-10	#20	7.5A	654-MS3112E12-10S	MS3112E12-10S	Socket	15.74	14.16	13.03	654-MS3116F12-10P	MS3116F12-10P	Pin	22.41	20.17	18.15
0	12-10	#20	7.5A	654-MS3112E12-10P	MS3112E12-10P	Pin	11.30	10.13	9.41	654-MS3116F12-10S	MS3116F12-10S	Socket	25.85	21.29	19.77
1	18-11	#16	13.0A	654-MS3112E18-11S	MS3112E18-11S	Socket	21.93	18.06	16.77	654-MS3116F18-11P	MS3116F18-11P	Pin	33.12	27.28	25.33
1	18-11	#16	13.0A	654-MS3112E18-11P	MS3112E18-11P	Pin	17.42	14.35	13.32	654-MS3116F18-11S	MS3116F18-11S	Socket	37.63	30.99	28.78
+4	14-12	#20/16	7.5/13.0A	654-MS3112E14-12S	MS3112E14-12S	Socket	18.78	15.46	14.36	654-MS3116F14-12P	MS3116F14-12P	Pin	25.83	21.27	19.75
+4	14-12	#20/16	7.5/13.0A	654-MS3112E14-12P	MS3112E14-12P	Pin	16.72	15.05	13.85	654-MS3116F14-12S	MS3116F14-12S	Socket	29.96	24.67	22.91
+1	14-15	#20/16	7.5/13.0A	654-MS3112E14-15S	MS3112E14-15S	Socket	18.69	16.82	16.43	654-MS3116F14-15P	MS3116F14-15P	Pin	27.81	25.21	23.87
+1	14-15	#20/16	7.5/13.0A	654-MS3112E14-15P	MS3112E14-15P	Pin	14.15	12.81	12.48	654-MS3116F14-15S	MS3116F14-15S	Socket	33.52	30.17	27.45
6	20-16	#16	13.0A	654-MS3112E20-16S	MS3112E20-16S	Socket	28.77	23.69	22.00	654-MS3116F20-16P	MS3116F20-16P	Pin	38.94	32.07	29.78
6	20-16	#16	13.0A	654-MS3112E20-16P	MS3112E20-16P	Pin	22.86	18.82	17.48	654-MS3116F20-16S	MS3116F20-16S	Socket	44.85	36.94	34.30
9	14-18	#20	7.5A	654-MS3112E14-18S	MS3112E14-18S	Socket	24.81	22.95	21.80	654-MS3116F14-18P	MS3116F14-18P	Pin	26.98	22.22	20.63
9	14-18	#20	7.5A	654-MS3112E14-18P	MS3112E14-18P	Pin	16.00	13.18	12.24	654-MS3116F14-18S	MS3116F14-18S	Socket	35.78	32.20	29.89
9	14-19	#20	7.5A	654-MS3112E14-19S	MS3112E14-19S	Socket	24.87	22.18	20.14	654-MS3116F14-19P	MS3116F14-19P	Pin	26.61	23.85	21.54
9	14-19	#20	7.5A	654-MS3112E14-19P	MS3112E14-19P	Pin	15.73	12.96	12.03	654-MS3116F14-19S	MS3116F14-19S	Socket	33.03	29.72	26.75
3	16-26	#20	7.5A	654-MS3112E16-26S	MS3112E16-26S	Socket	27.46	22.61	21.00	654-MS3116F16-26P	MS3116F16-26P	Pin	32.48	26.74	24.83
3	16-26	#20	7.5A	654-MS3112E16-26P	MS3112E16-26P	Pin	18.67	15.38	14.28	654-MS3116F16-26S	MS3116F16-26S	Socket	41.26	33.98	31.55
2	18-32	#20	7.5A	654-MS3112E18-32S	MS3112E18-32S	Socket	33.29	27.42	25.46	654-MS3116F18-32P	MS3116F18-32P	Pin	38.31	31.55	29.30
2	18-32	#20	7.5A	654-MS3112E18-32P	MS3112E18-32P	Pin	23.98	21.78	19.60	654-MS3116F18-32S	MS3116F18-32S	Socket	44.91	36.98	34.34
1	20-41	#20	7.5A	654-MS3112E20-41S	MS3112E20-41S	Socket	39.88	32.84	30.50	654-MS3116F20-41P	MS3116F20-41P	Pin	44.81	36.90	34.27
1	20-41	#20	7.5A	654-MS3112E20-41P	MS3112E20-41P	Pin	30.75	27.67	24.90	654-MS3116F20-41S	MS3116F20-41S	Socket	56.02	46.13	42.84
5	22-55	#16	13.0A	654-MS3112E22-55S	MS3112E22-55S	Socket	49.46	40.73	37.82	654-MS3116F22-55P	MS3116F22-55P	Pin	51.62	42.51	39.47
5	22-55	#16	13.0A	654-MS3112E22-55P	MS3112E22-55P	Pin	34.05	28.04	26.04	654-MS3116F22-55S	MS3116F22-55S	Socket	69.08	62.17	55.95
	24-61	#20	7.5A	654-MS3112E24-61S	MS3112E24-61S	Socket	51.76	47.31	44.12	654-MS3116F24-61P	MS3116F24-61P	Pin	56.48	51.81	49.42
	24-61	#20	7.5A	654-MS3112E24-61P	MS3112E24-61P	Pin	37.71	34.95	32.10	654-MS3116F24-61S	MS3116F24-61S	Socket	75.68	72.10	63.19

AMPHE-LITE® COMMERCIAL 38999, SERIES III TYPE COMPOSITE CONNECTORS

COMMERCIAL 38999, SERIES III TYPE COMPOSITE CONNECTORS
The Amphe-Lite Connector Series is designed for communications equipment manufacturers with signal, power, RF or fiber optic interconnect requirements in harsh environments such as communication towers, outdoor and roof-top applications. This commercial 38999, Series III type composite connector series is ideal for communications equipment, manufacturing process control, and medical equipment. The Amphe-Lite offers the highest performance capabilities for severe environment applications, and yet is cost effective enough for general duty, and non-environmental applications.

Features:

- Nickel finish connectors provide EMI shielding capability which exceeds MIL-DLT-38999 Series III requirement
- Lightweight composite shells resist severe corrosion
- Completely mates in one 360° turn of the coupling nut
- Recessed pins minimize potential contact damage in this scoop-proof connector
- All connectors shipped assembled and loose crimp contacts

Specifications:

- 22D contact size rated at 5A
- Operating temperatures from -55°C to 125°C
- Gold plated crimp contacts (50u")
- Suggested operating voltage for 22D contacts is 400 VAC (RMS) and 550VDC

Receptacle Shells

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part No.	Insert Type	Fig.	No. of Contacts	Shell Size	Insert Layout	Price Each 1	10	50
Wall Mounting Receptacles								
654—AL00F9-35P	Pin	A	6	9	9-35	28.78	25.90	21.59
654—AL00F9-35S	Socket	A	6	9	9-35	28.28	25.45	21.21
654—AL00F11-35P	Pin	A	13	11	11-35	28.78	25.90	21.59
654—AL00F11-35S	Socket	A	13	11	11-35	29.64	26.68	22.23
654—AL00F13-35P	Pin	A	22	13	13-35	32.90	29.61	24.68
654—AL00F13-35S	Socket	A	22	13	13-35	35.18	31.66	26.39
654—AL00F15-35P	Pin	A	37	15	15-35	32.18	28.96	24.14
654—AL00F15-35S	Socket	A	37	15	15-35	37.10	33.39	27.83
654—AL00F17-35P	Pin	A	55	17	17-35	44.24	39.82	33.18
654—AL00F17-35S	Socket	A	55	17	17-35	52.90	47.61	39.68
654—AL00F19-35P	Pin	A	66	19	19-35	36.06	32.45	27.05
654—AL00F19-35S	Socket	A	66	19	19-35	47.40	42.66	35.55
654—AL00F21-35P	Pin	A	79	21	21-35	40.64	36.58	30.48
654—AL00F21-35S	Socket	A	79	21	21-35	53.58	48.22	40.19
Jam Nut Receptacles								
654—AL07F9-35P	Pin	B	6	9	9-35	37.94	34.15	28.46
654—AL07F9-35S	Socket	B	6	9	9-35	38.56	34.70	28.92
654—AL07F11-35P	Pin	B	13	11	11-35	27.74	24.97	20.81
654—AL07F11-35S	Socket	B	13	11	11-35	28.86	25.97	21.65
654—AL07F13-35P	Pin	B	22	13	13-35	35.62	32.06	26.72
654—AL07F13-35S	Socket	B	22	13	13-35	39.70	34.11	28.43
654—AL07F15-35P	Pin	B	37	15	15-35	44.56	40.10	33.42
654—AL07F15-35S	Socket	B	37	15	15-35	50.12	45.11	37.59
654—AL07F17-35P	Pin	B	55	17	17-35	60.28	54.25	45.21
654—AL07F17-35S	Socket	B	55	17	17-35	68.94	62.05	51.71
654—AL07F19-35P	Pin	B	66	19	19-35	43.52	39.17	32.64
654—AL07F19-35S	Socket	B	66	19	19-35	55.08	49.57	41.31
654—AL07F21-35P	Pin	B	79	21	21-35	55.36	49.82	41.52
654—AL07F21-35S	Socket	B	79	21	21-35	74.64	67.18	55.98

Mating Plug Shells

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part No.	Insert Type	Fig.	No. of Contacts	Shell Size	Insert Layout	Price Each 1	10	50
Cable Mount Plugs								
654—AL06F9-35P	Pin	C	6	9	9-35	41.90	37.71	31.43
654—AL06F9-35S	Socket	C	6	9	9-35	41.36	37.22	31.02
654—AL06F11-35P	Pin	C	13	11	11-35	42.04	37.84	31.53
654—AL06F11-35S	Socket	C	13	11	11-35	41.98	37.78	31.49
654—AL06F13-35P	Pin	C	22	13	13-35	42.78	38.50	32.09
654—AL06F13-35S	Socket	C	22	13	13-35	44.20	39.78	33.15
654—AL06F15-35P	Pin	C	37	15	15-35	46.58	41.92	34.94
654—AL06F15-35S	Socket	C	37	15	15-35	51.32	46.19	38.49
654—AL06F17-35P	Pin	C	55	17	17-35	50.40	45.36	37.80
654—AL06F17-35S	Socket	C	55	17	17-35	58.20	52.38	43.65
654—AL06F19-35P	Pin	C	66	19	19-35	52.24	47.02	39.18
654—AL06F19-35S	Socket	C	66	19	19-35	67.20	56.43	47.03
654—AL06F21-35P	Pin	C	79	21	21-35	55.78	50.20	41.84
654—AL06F21-35S	Socket	C	79	21	21-35	67.86	61.07	50.90

Crimp Contacts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part No.	Contact Size	Description	Price Each 1	10	50
654—M39029/58-360	22D	Pin Contact	.29	.25	.21
654—M39029/56-348	22D	Socket Contact	.55	.42	.36

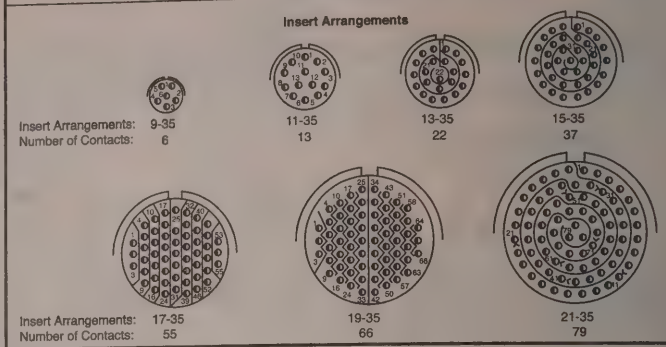
Application Tools

For quantities of 10 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part No.	Contact Size/ Type	Description	Price Each 1	5
654—M22520/2-01	22D Pin/Socket	Crimp Tool Frame	289.00	275.00
654—M22520/2-09	22D Pin	Turret Die	55.00	49.00
654—M22520/2-07	22D Socket	Turret Die	55.00	49.00
654—M81969/14-01	22D	Plastic Insert Removal tool	1.90	1.75
654—M81969/8-01	22D	Metal Angle Insertion tool	82.38	74.14
654—M81969/8-02	22D	Metal Angle Removal tool	82.38	74.14

DIMENSIONS: In

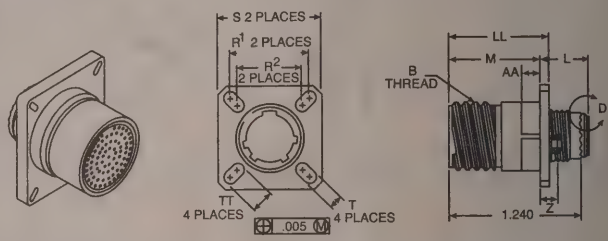
Insert Arrangements



Insert Arrangements: 9-35 | 11-35 | 13-35 | 15-35
Number of Contacts: 6 | 13 | 22 | 37

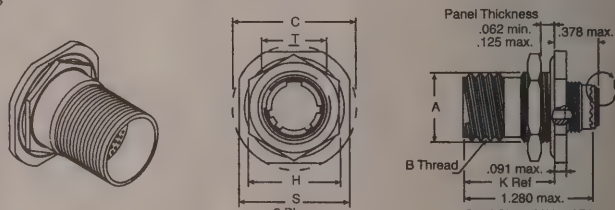
Insert Arrangements: 17-35 | 19-35 | 21-35
Number of Contacts: 55 | 66 | 79

A



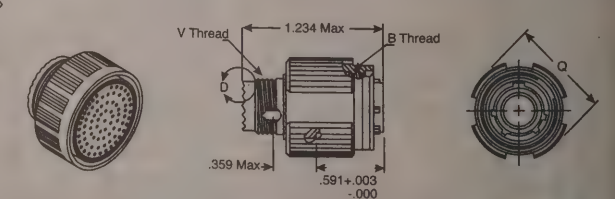
Shell Size	B Thread Class 2A 0.1P- 0.3L-TS (Plated)	L Max.	M +.000 -.005	R^1	R^2	S Max.	T +.008 -.006	Z Max.	AA Max. Panel Thickness	LL ±.005	TT +.00 -.00
9	.6250	.514	.775	.719	.594	.948	.128	.198	.234	.913	.21
11	.7500	.514	.775	.812	.719	1.043	.128	.198	.234	.913	.19
13	.8750	.514	.775	.906	.812	1.137	.128	.198	.234	.913	.19
15	1.0000	.514	.775	.969	.906	1.232	.128	.198	.234	.913	.17
17	1.1875	.514	.775	1.062	.969	1.323	.128	.198	.234	.913	.19
19	1.2500	.514	.775	1.156	1.062	1.449	.128	.198	.234	.913	.19
21	1.3750	.545	.745	1.250	1.156	1.575	.128	.228	.204	.911	.19

B



Shell Size	A +.000 -.010	B Thread Class 2A 0.1P- 0.3L-TS (Plated)	C Max.	H Hex +.017 -.016	S ±.010	T +.010 -.00
9	.669	.6250	1.199	.875	1.062	.697
11	.769	.7500	1.386	1.062	1.250	.822
13	.955	.8750	1.511	1.250	1.375	1.007
15	1.084	1.0000	1.636	1.375	1.500	1.134
17	1.208	1.1875	1.761	1.438	1.625	1.259
19	1.333	1.2500	1.949	1.562	1.812	1.384
21	1.459	1.3750	2.073	1.688	1.938	1.507

C



Shell Size	B Thread 0.1P- 0.3L-TS-2B (Plated)	V Thread Metric	Q Dia. Max.
9	.6250	M12 x 1 - 6g	.859
11	.7500	M15 x 1 - 6g	.969
13	.8750	M18 x 1 - 6g	1.141
15	1.0000	M22 x 1 - 6g	1.266
17	1.1875	M25 x 1 - 6g	1.391
19	1.2500	M28 x 1 - 6g	1.500
21	1.3750	M31 x 1 - 6g	1.625

MOUSER ELECTRONICS a tti company (800) 346-6873

AMPHENOL RADSOK® Power Bus Connectors

Amphenol
Industrial

e difference is in the RADSOK® (Radial Socket) design. The socket cylinder within the female contact has several equally spaced longitudinal beams twisted
a shape. As the male pin is inserted, axial members in the female half deflect, imparting high current flow across the connection with minimal voltage loss.
s twisted hyperbolic grid ensures the greatest possible contact area on the mating pin. This technology is ideal for crimp termination applications requiring
eated mating cycles and high current with low milli-volt drop and features higher ampacity, lower insertion force, high cycle durability, and high reliability.

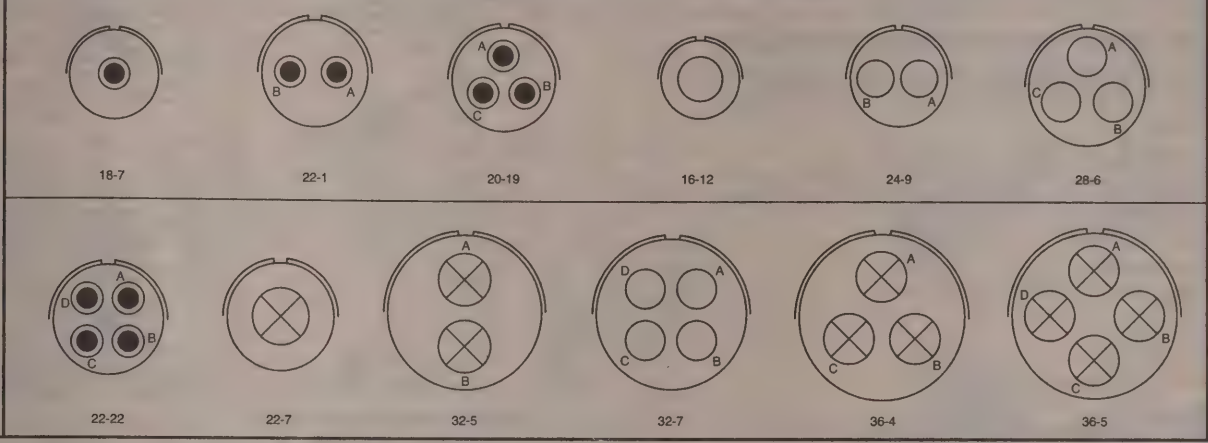
phenol now offers RADSOK® technology in their MIL-C-5015 cylindrical connectors for high current applications. Because they now feature the flat stamped,
erbolic twisted contact grid in the socket, a 50% increase in current rating is achieved.

Amphe-Power Crimp Contact Current Rating		
Contact Size	Standard Contact	Amphe-Power
8 AWG	46 Amps	70 Amps
4 AWG	80 Amps	120 Amps
0 AWG	150 Amps	250 Amps

Contact Legend

16
12
8
4
0

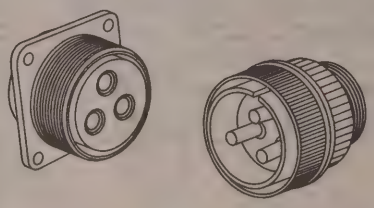
Insert Arrangements (Drawings not to Scale)

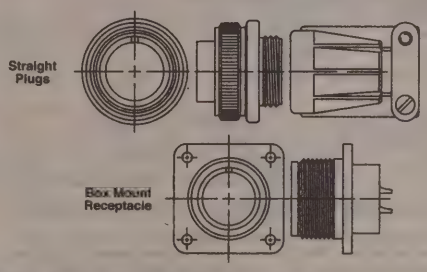


MPHE-POWER® 5015 WITH RADSOK® TECHNOLOGY

atures:
hreaded Coupling
urable field proven cylindrical connector
erived from the MIL-C-5015 family
ingle key/keyway polarization
perating Temperature: -55°C to +125°C
rmination Type: Crimp
nvironmental Rating: IP67
ontact Plating: Silver
nish: Black Zinc Cobalt
aals: Neoprene

t Number Configuration:
C02E__-__P025 Box Mount Receptacle
C06E__-__R025 Straight Plug





Straight Plugs

For quantities of 10 and up, call for quote.

Mating Box Mount Receptacles

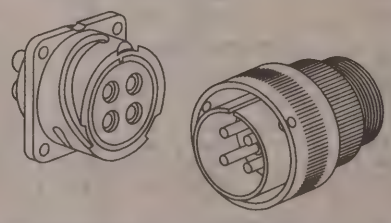
For quantities of 10 and up, call for quote.

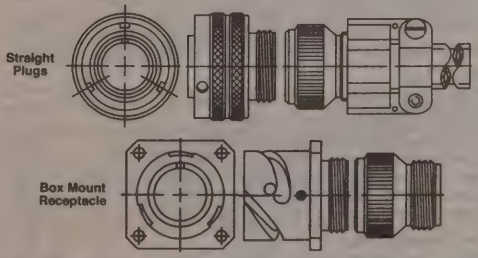
. of os.	Insert	Contact Size	Wire Range	MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each 1	Price Each 5	MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each 1	Price Each 5
1	18-7	#8	8 AWG	654-ACC06E18-7R025	ACC06E18-7R025	RADSOK	49.95	44.95	654-ACC02E18-7P025	ACC02E18-7P025	Pin	17.36	15.62
2	22-1	#8	8 AWG	654-ACC06E22-1R025	ACC06E22-1R025	RADSOK	59.44	53.49	654-ACC02E22-1P025	ACC02E22-1P025	Pin	23.78	21.41
3	20-19	#8	8 AWG	654-ACC06E20-19R025	ACC06E20-19R025	RADSOK	63.59	57.23	654-ACC02E20-19P025	ACC02E20-19P025	Pin	29.23	26.32
4	22-22	#8	8 AWG	654-ACC06E22-22R025	ACC06E22-22R025	RADSOK	68.53	61.68	654-ACC02E22-22P025	ACC02E22-22P025	Pin	39.59	35.63
1	16-12	#4	4 AWG	654-ACC06E16-12R025	ACC06E16-12R025	RADSOK	67.71	60.94	654-ACC02E16-12P025	ACC02E16-12P025	Pin	14.49	13.05
2	24-9	#4	4 AWG	654-ACC06E24-9R025	ACC06E24-9R025	RADSOK	96.32	86.69	654-ACC02E24-9P025	ACC02E24-9P025	Pin	20.83	18.74
3	28-6	#4	4 AWG	654-ACC06E28-6R025	ACC06E28-6R025	RADSOK	118.96	107.06	654-ACC02E28-6P025	ACC02E28-6P025	Pin	27.19	24.47
1	32-17	#4	4 AWG	654-ACC06E32-17R025	ACC06E32-17R025	RADSOK	146.88	132.19	654-ACC02E32-17P025	ACC02E32-17P025	Pin	39.07	35.16
1	22-7	#0	0 AWG	654-ACC06E22-7R025	ACC06E22-7R025	RADSOK	99.76	89.79	654-ACC02E22-7P025	ACC02E22-7P025	Pin	17.36	15.62
1	32-5	#0	0 AWG	654-ACC06E32-5R025	ACC06E32-5R025	RADSOK	189.96	170.96	654-ACC02E32-5P025	ACC02E32-5P025	Pin	29.51	26.56
1	36-4	#0	0 AWG	654-ACC06E36-4R025	ACC06E36-4R025	RADSOK	305.96	275.37	654-ACC02E36-4P025	ACC02E36-4P025	Pin	43.84	39.46
1	36-5	#0	0 AWG	654-ACC06E36-5R025	ACC06E36-5R025	RADSOK	321.56	289.41	654-ACC02E36-5P025	ACC02E36-5P025	Pin	50.51	48.46

IPHE-POWER® GT WITH RADSOK® TECHNOLOGY

ures:
verse Bayonet Coupling
ible, tactile and visual indication of coupling
vy duty rugged shells
erating Temperature: -55°C to +125°C
mination Type: Crimp
ironmental Rating: IP67
tact Plating: Silver
sh: Black Zinc Cobalt
als: Neoprene or Viton

Number Configuration:
030__-__P025 Box Mount Receptacle
06F__-__SRDS025 Straight Plug





Reverse Bayonet Straight Plugs

For quantities of 10 and up, call for quote.

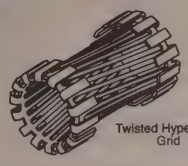
Mating Box Mount Receptacles

For quantities of 10 and up, call for quote.

of	Insert	Contact Size	Wire Range	MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each 1	Price Each 5	MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each 1	Price Each 5
	18-7	#8	8 AWG	654-GTC06F187SRDS	GTC06F18-7SRDS025	RADSOK	76.94	69.24	654-GTC03018-7P025	GTC03018-7P025	Pin	39.69	34.82
	22-1	#8	8 AWG	654-GTC06F221SRDS	GTC06F22-1SRDS025	RADSOK	103.87	93.48	654-GTC03022-1P025	GTC03022-1P025	Pin	48.94	44.04
	20-19	#8	8 AWG	654-GTC06F2019SRDS	GTC06F20-19SRDS025	RADSOK	87.63	78.87	654-GTC03020-19P025	GTC03020-19P025	Pin	56.59	50.93
	22-22	#8	8 AWG	654-GTC06F2222SRDS	GTC06F22-22SRDS025	RADSOK	114.34	102.91	654-GTC03022-22P025	GTC03022-22P025	Pin	66.28	59.65
	16-12	#4	4 AWG	654-GTC06F1612SRDS	GTC06F16-12SRDS025	RADSOK	106.89	96.20	654-GTC03016-12P025	GTC03016-12P025	Pin	62.25	56.02
	24-9	#4	4 AWG	654-GTC06F249SRDS	GTC06F24-9SRDS025	RADSOK	123.97	111.57	654-GTC03024-9P025	GTC03024-9P025	Pin	43.52	39.17
	28-6	#4	4 AWG	654-GTC06F286SRDS	GTC06F28-6SRDS025	RADSOK	204.33	183.91	654-GTC03028-6P025	GTC03028-6P025	Pin	53.42	48.06
	32-17	#4	4 AWG	654-GTC06F3217SRDS	GTC06F32-17SRDS025	RADSOK	271.73	244.56	654-GTC03032-17P025	GTC03032-17P025	Pin	62.21	55.99
	22-7	#0	0 AWG	654-GTC06F227SRDS	GTC06F22-7SRDS025	RADSOK	139.98	125.98	654-GTC03022-7P025	GTC03022-7P025	Pin	39.15	35.24
	32-5	#0	0 AWG	654-GTC06F325SRDS	GTC06F32-5SRDS025	RADSOK	293.85	264.46	654-GTC03032-5P025	GTC03032-5P025	Pin	54.26	48.84
	36-4	#0	0 AWG	654-GTC06F364SRDS	GTC06F36-4SRDS025	RADSOK	305.21	274.69	654-GTC03036-4P025	GTC03036-4P025	Pin	65.57	58.95
	36-5	#0	0 AWG	654-GTC06F365SRDS	GTC06F36-5SRDS025	RADSOK	363.18	326.86	654-GTC03036-5P025	GTC03036-5P025	Pin	74.07	66.63

AMPHENOL RADSOK® Power Bus Connectors

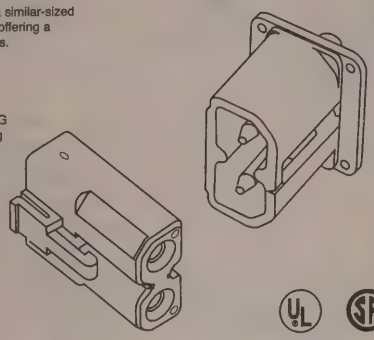
The difference is in the RADSOK® (Radial Socket) design. The socket cylinder within the female contact has several equally spaced longitudinal beams twisted into a shape. As the male pin is inserted, axial members in the female half deflect, imparting high current flow across the connection with minimal voltage loss. This twisted hyperbolic grid ensures the greatest possible contact area on the mating pin. This technology features higher ampacity, lower insertion force, high cycle durability, and high reliability.


Twisted Hyperbolic Grid

RADSOK® Contact

AMPHE-PD™ WITH RADSOK® TECHNOLOGY

The Amphe-PD™ connector generates more processing power with less heat than a similar-sized connector. The series produces greater amperage without wasting valuable space, offering a compact solution for datacom applications that require small, yet powerful connectors.



Features:

- 2 Position DC Power interconnect in about 1 square inch
- UL94V-0 molded thermoplastic
- Integrated latching mechanism
- Easy tool-less assembly
- Proven metal clip contact retention on receptacles
- TUV finger proof
- Tactile and audible locking
- Plug is designed to accept Superflex 6 AWG
- TPA device on plug to insure socket locking
- RoHS Compliant

Specifications:

- Current rating: 69 Amps UL rated, 55 Amps CSA rated
- 6 AWG

Applications:

- Battery Connection
- Busbar Connection
- Power Supply Connection
- Telecom
- Data Storage
- Controls

Receptacles

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each 1	10	50
654-10-638975-000	10-638975-000	A	Busbar Receptacle without Bosses	11.94	10.14	8.61
654-10-638976-000	10-638976-000	B	Crimp Pin, 6 AWG, with Screw Bosses	11.96	10.16	8.64
654-10-638977-000	10-638977-000	C	PCB Tail, with Screw Bosses	11.28	9.58	8.15

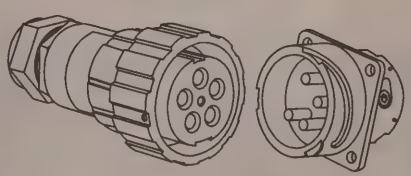
Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each 1	10	50
654-10-638974-000	10-638974-000	D	3.6mm RADSOK® Plug, 6 AWG	12.20	10.37	8.81

AMPHE®-GTR WITH RADSOK® TECHNOLOGY

Amphe®-GTR Connectors use RADSOK® technology inside a composite reverse bayonet housing that is already proven in the power server industry. This combination of utilizing the existing connector footprint and the increase in power offered by using the RADSOK® sockets makes the Amphe®-GTR second to none.



Features:

- Quick positive coupling
- Audible, tactile and visual indication of coupling
- High shock and vibration capabilities
- Pressure wire termination
- FMLB ground contact
- High performance composite shell and hardware
- UL / CUL 2238 Listed
- Field repairable

Specifications:

- Contact Plating: Silver
- Contact: #4
- IP67 rating
- Termination Type: Compression set screw
- Dielectric Withstanding Voltage: 2000VAC (RMS)
- Insulation Resistance: 1000MΩ
- Flammability: UL94V-0
- Mating Cycles: 25 min

Applications:

- High power process control
- Server applications

UL LISTED 2238 c UL us LISTED 2238

4 Position Receptacles

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amps	Wire Range	Cable Range	Price Each 1	5	10
654-GT030PCM32ARP80	GT030PCM32-ARP-80	E	80 A	4-6 AWG	- - -	95.16	87.44	78.69
654-GT030PCM32ARP120	GT030PCM32-ARP-120	E	120 A	4 AWG	- - -	81.32	74.99	72.24

4 Position Plugs

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amps	Wire Range	Cable Range	Price Each 1	5	10
654-GT06PCM32ARS3029	GT06PCM32-ARS-30(29R)	F	30 A	8-10 AWG	.510 - .582	192.01	175.69	164.97
654-GT06PCM32ARS4029	GT06PCM32-ARS-40(29R)	F	40 A	8-10 AWG	.715 - .759	192.01	175.69	164.97
654-GT06PCM32ARS5029	GT06PCM32-ARS-50(29)	F	50 A	4-6 AWG	.809 - .905	192.01	175.69	164.97
654-GT06PCM32ARS7029	GT06PCM32-ARS-70(29OS)	F	70 A	4-6 AWG	1.000 - 1.185	192.01	175.69	164.97
654-GT06PCM32ARS1203	GT06PCM32-ARS-120(36OS)	F	120 A	4 AWG	1.27	208.82	191.07	176.91

5 Position Receptacles

* Contacts rated at 120 Amps, but limited to AWG.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amps	Wire Range	Cable Range	Price Each 1	5	10
654-10-610147-001	10-610147-001	E	120 A	8-10 AWG	- - -	146.53	133.27	124.75
654-10-610147-002	10-610147-002	E	120 A	4-6 AWG	- - -	146.53	133.27	124.75
654-10-610222-001	10-610222-001	E	FBLM, 120 A*	8-10 AWG	- - -	146.53	133.27	124.75
654-10-610222-002	10-610222-002	E	FBLM, 120 A*	4-6 AWG	- - -	146.53	133.27	124.75

5 Position Plugs

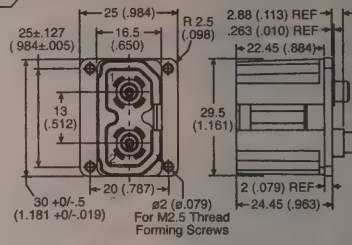
* Contacts rated at 120 Amps, but limited to AWG.

For quantities of 50 and up, call for quote.

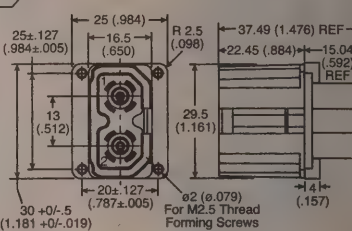
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amps	Wire Range	Cable Range	Price Each 1	5	10
654-10-610142-001	10-610142-001	F	120 A*	8-10 AWG	.472 - .787	216.04	194.43	183.72
654-10-610142-002	10-610142-002	F	120 A*	8-10 AWG	.708 - .984	216.04	194.43	183.72
654-10-610142-003	10-610142-003	F	120 A*	4-6 AWG	.472 - .787	216.04	194.43	183.72
654-10-610142-004	10-610142-004	F	120 A*	4-6 AWG	.708 - .984	216.04	194.43	183.72

DIMENSIONS: mm (In.)

A



B



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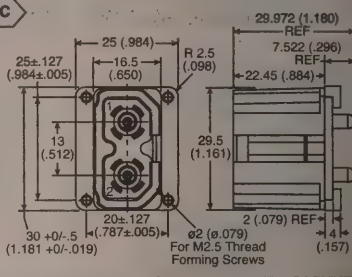

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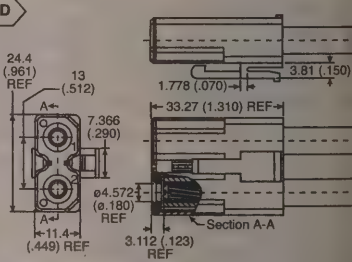

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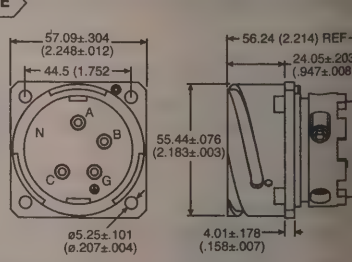

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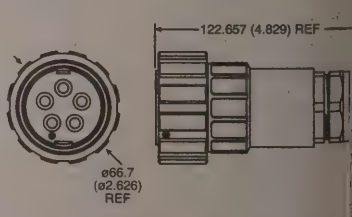


ERIES C091A CIRCULAR DIN CONNECTORS

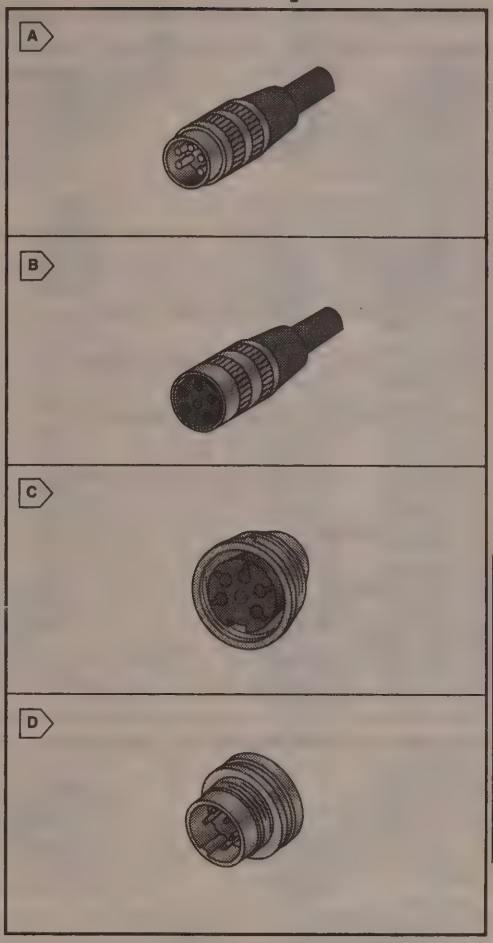
cular connectors with metal screw coupling and plastic back shell that provides EMI shielding.

atures:

- Metal threaded coupling acc. to IEC 130-9
- nternal metal strain relief with half shell construction and snap-in latching
- JL Approval File # E63093
- Complete EMI Shielding in fully mated and locked position
- Solder Termination
- Cable Connector Length: 2.658 In.
- Cable Connector Diameter: .670 In.

Specifications:

- Temperature Range: -40° F to + 185°F (IEC 60068-1)
- IP-Degree: IP 40 (IEC 60529)
- Contact Plating: Silver
- Mating Cycles: 500
- Flammability: UL94 V0
- Dielectric material: Thermoplastic



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Contacts	Voltage (IEC 60664-1)	Current (IEC 60512-3)	AWG Size	Price Each		
							1	10	50
ale Cable Connector, Max cable O.D. is 6mm									
23-T3260-001	T3260 001	A	3 DIN	300V	5A	20-26	7.55	6.38	5.37
23-T3300-001	T3300 001	A	4 IEC	300V	5A	20-26	7.55	6.38	5.51
23-T3360-001	T3360 001	A	5	300V	5A	20-26	7.73	6.52	5.60
23-T3400-001	T3400 001	A	6 DIN	300V	5A	20-26	8.25	6.92	5.87
23-T3475-001	T3475 001	A	7	300V	5A	20-26	8.37	7.15	5.95
23-T3504-001	T3504 001	A	8 DIN	100V	5A	20-26	8.75	7.31	6.25
23-T3650-001	T3650 001	A	14	150V	3A	24	13.95	13.10	11.84
emale Cable Connector, Max cable O.D. is 6mm									
23-T3261-001	T3261 001	B	3 DIN	300V	5A	20-26	9.06	7.25	6.11
23-T3301-001	T3301 001	B	4 IEC	300V	5A	20-26	8.80	7.45	6.25
23-T3361-001	T3361 001	B	5	300V	5A	20-26	8.95	7.61	6.35
23-T3401-001	T3401 001	B	6 DIN	300V	5A	20-26	8.25	7.18	6.50
23-T3476-001	T3476 001	B	7	300V	5A	20-26	8.50	7.25	6.59
23-T3505-001	T3505 001	B	8 DIN	100V	5A	20-26	10.59	9.03	8.19
23-T3651-001	T3651 001	B	14	150V	3A	24	13.50	12.25	11.10
emale Panel Receptacle, Front Mounting									
23-T3263-000	T3263 000	C	3 DIN	300V	5A	20-26	5.03	3.89	3.25
23-T3303-000	T3303 000	C	4 IEC	300V	5A	20-26	5.07	4.05	3.35
23-T3363-000	T3363 000	C	5	300V	5A	20-26	5.15	4.15	3.50
23-T3403-000	T3403 000	C	6 DIN	300V	5A	20-26	5.50	4.47	3.74
23-T3478-000	T3478 000	C	7	300V	5A	20-26	5.65	4.75	3.95
23-T3507-000	T3507 000	C	8 DIN	100V	5A	20-26	7.41	6.25	5.24
23-T3653-000	T3653 000	C	14	150V	3A	24	12.59	11.27	10.25
ale Panel Receptacle, Front Mounting									
23-T3262-000	T3262 000	D	3 DIN	300V	5A	20-26	4.13	3.40	2.88
23-T3302-000	T3302-000	D	4IEC	300V	5A	20-26	4.25	3.50	3.00
23-T3362-000	T3362 000	D	5	300V	5A	20-26	4.61	3.75	3.15
23-T3402-000	T3402 000	D	6 DIN	300V	5A	20-26	4.95	3.89	3.35
23-T3506-000	T3506 000	D	8 DIN	100V	5A	20-26	5.55	4.60	3.85

ERIES C091D IP67 RATED CIRCULAR DIN CONNECTORS

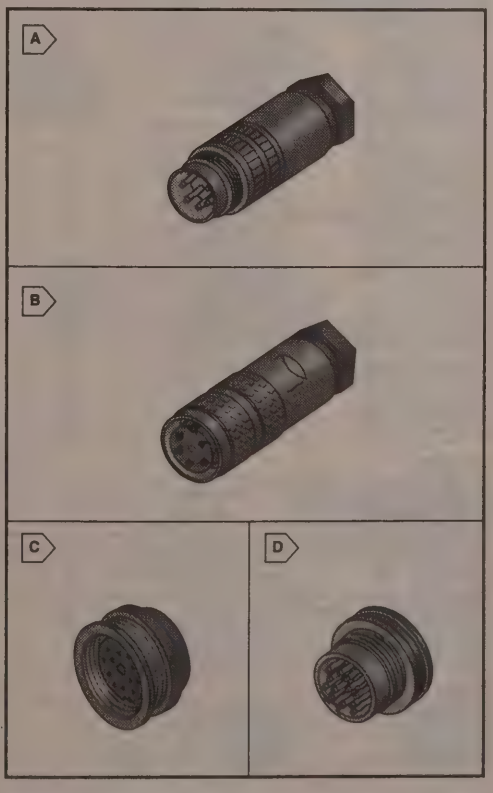
ular connectors with metal screw coupling and back shell designed for harsh environmental conditions

tures:

- tal threaded coupling acc. to IEC 130-9
- ecision metal construction
- ernal metal strain relief
- Approval File # E63093
- mplete EMI Shielding in fully mated and locked position
- lder Termination
- ble Connector Length: 2.244 In.
- ble Connector Diameter: .709 In.

Specifications:

- Temperature Range: -40° F to + 185°F (IEC 60068-1)
- IP-Degree: IP 67 (IEC 60529)
- Contact Plating: Silver
- Mating Cycles: 500
- Flammability: UL94 V0
- Dielectric material: Thermoplastic



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Contacts	Voltage (IEC 60664-1)	Current (IEC 60512-3)	AWG Size	Price Each		
							1	10	50
e Cable Connector, Max cable O.D. is 6mm									
-31H003-100-2	C091-31H003-100-2	A	3 DIN	300V	5A	20-26	18.36	16.32	13.87
-31H005-100-2	C091-31H005-100-2	A	5 IEC	300V	5A	20-26	18.70	16.62	14.13
-31H006-100-2	C091-31H006-100-2	A	6 DIN	300V	5A	20-26	18.95	16.84	14.31
-31H008-100-2	C091-31H008-100-2	A	8 DIN	300V	5A	20-26	19.42	17.26	14.67
ale Cable Connector, Max cable O.D. is 6mm									
-31D003-100-2	C091-31D003-100-2	B	3 DIN	300V	5A	20-26	19.60	17.42	14.81
-31D005-100-2	C091-31D005-100-2	B	5 IEC	300V	5A	20-26	19.96	17.74	15.08
-31D006-100-2	C091-31D006-100-2	B	6 DIN	300V	5A	20-26	20.25	18.00	15.30
-31D008-100-2	C091-31D008-100-2	B	8 DIN	300V	5A	20-26	22.39	19.90	16.92
ale Panel Receptacle, Front Mounting									
31N003-100-2	C091-31N003-100-2	C	3 DIN	300V	5A	20-26	6.53	5.96	5.40
31N005-100-2	C091-31N005-100-2	C	5 IEC	300V	5A	20-26	6.90	6.30	5.70
31N006-100-2	C091-31N006-100-2	C	6 DIN	300V	5A	20-26	7.22	6.59	5.97
31N008-100-2	C091-31N008-100-2	C	8 DIN	300V	5A	20-26	9.41	8.59	7.77
Panel Receptacle, Front Mounting									
31W003-100-2	C091-31W003-100-2	D	3 DIN	300V	5A	20-26	5.77	5.27	4.77
31W005-100-2	C091-31W005-100-2	D	5 IEC	300V	5A	20-26	6.14	5.61	5.07
31W006-100-2	C091-31W006-100-2	D	6 DIN	300V	5A	20-26	6.39	5.84	5.28
31W008-100-2	C091-31W008-100-2	D	8 DIN	300V	5A	20-26	6.88	6.28	5.68

SERIES C16-1 IP67 RATED CIRCULAR CONNECTORS

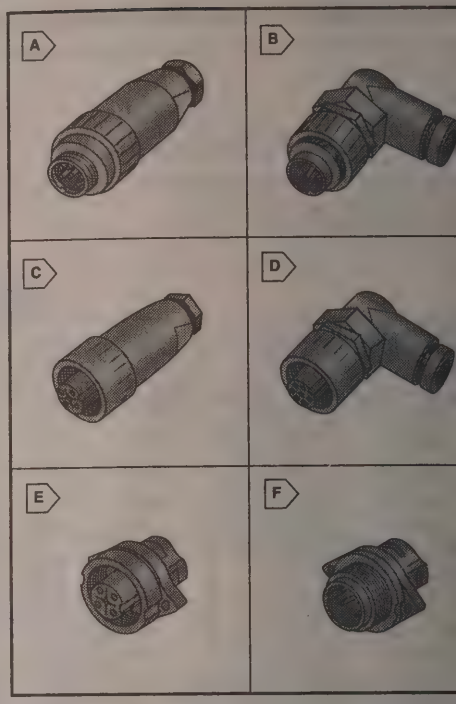
High grade plastic circular connectors designed for harsh environmental conditions

Features:

- Screw lock mating
- Plastic housings are pollution and chemical resistant
- Internal strain relief provides a safe cable restrain
- Housings are made from high grade plastic material
- Protected against unlocking by threaded coupling
- UL Approval File # E63093
- Solder termination
- 4 Contact version has screw termination
- 7 Contact version has solder termination

Specifications:

- Temperature Range: -40° F to + 212°F (IEC 60068-1)
- IP-Degree: IP 67 (IEC 60529)
- Contact Plating: Silver
- Flammability: UL94 V0
- Dielectric material: Polyamid 6.6
- Housing material: Polyamid 6.6



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of * Contacts	Voltage (IEC 60664-1)	Current (IEC 60512-3)	AWG Size	Price Each 1	10	50
Male Cable Connector, Straight, Cable O.D. 8-10mm									
523-T3108-001	T3108 001	A	4	400V	16A	14	7.78	6.55	5.50
523-T3104-001	T3104 001	A	7	250V	10A	18	8.62	7.50	6.83
Male Cable Connector, Right Angle, Cable O.D. 8-10mm									
523-T3108-081	T3108 081	B	4	400V	16A	14	11.25	10.30	9.30
523-T3104-081	T3104 081	B	7	250V	10A	18	12.25	11.27	10.12
Female Cable Connector, Straight, Cable O.D. 8-10mm									
523-T3109-001	T3109 001	C	4	400V	16A	14	8.59	7.09	5.89
523-T3105-001	T3105 001	C	7	250V	10A	18	9.95	8.53	7.75
Female Cable Connector, Right Angle, Cable O.D. 8-10mm									
523-T3109-081	T3109 081	D	4	400V	16A	14	12.00	11.05	9.92
523-T3105-081	T3105 081	D	7	250V	10A	18	13.56	12.48	11.31
Female Panel Receptacle									
523-T3111-000	T3111 000	E	4	400V	16A	14	7.00	5.70	4.77
523-T3107-000	T3107 000	E	7	250V	10A	18	9.05	7.55	6.35
Male Panel Receptacle									
523-T3110-000	T3110 000	F	4	400V	16A	14	6.10	5.10	4.25
523-T3106-000	T3106 000	F	7	250V	10A	18	7.50	6.28	5.37
Protective Caps									
523-T6482-000	T6482 000	-	Protective cap for male receptacles				6.47	5.55	4.79
523-T6483-000	T6483 000	-	Protective cap for female receptacles				6.47	5.55	4.79

* One of the contacts is designated as a ground (First Mate/ Last Break).

SERIES 44 ENVIRONMENTAL CIRCULAR CONNECTORS

Amphenol 44 series offer high performance at a low cost

Features:

- Poke-Home crimp contacts
- One piece water resistant design (IP65)
- Housings made from santoprene thermoplastic rubber
- Silver plated contacts
- Contacts sold separate from housings

Specifications:

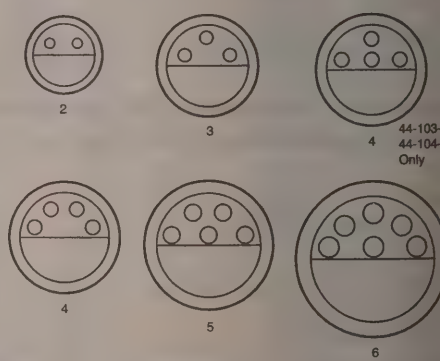
- Temperature Range: -40ºC to +125ºC
- Voltage Rating: 250V AC RMS
- Current Rating: 8A
- AWG Size: 14-18
- Wire Outer Diameter: .080" to .130"
- Mated Length: 2.174"

Housings

For quantities of 500 and up, call for quote.

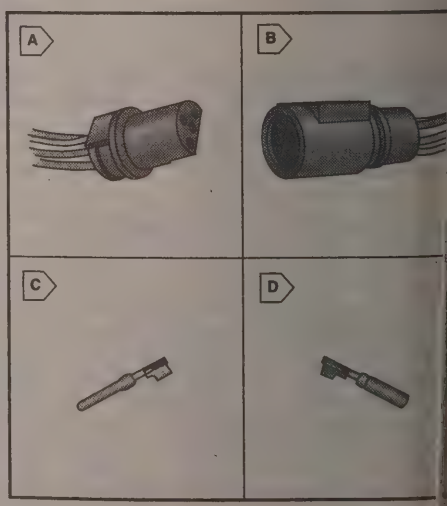
MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Contacts	Price Each 1	10	25	100
Plug Housings							
523-44-103-10002	044-103-10002	A	2	1.84	1.56	1.41	1.19
523-44-103-10003	044-103-10003	A	3	2.02	1.71	1.54	1.31
523-44-103-10004	044-103-10004	A	4	2.08	1.77	1.59	1.35
523-44-103-10005	044-103-10005	A	5	2.02	1.71	1.54	1.31
523-44-103-10006	044-103-10006	A	6	2.02	1.71	1.54	1.31
Receptacle Housings							
523-44-104-10002	044-104-10002-02	B	2	1.91	1.62	1.46	1.24
523-44-104-10003	044-104-10003-02	B	3	1.97	1.68	1.51	1.28
523-44-104-10004	044-104-10004-02	B	4	2.35	1.99	1.80	1.59
523-44-104-10005	044-104-10005-02	B	5	2.06	1.75	1.58	1.34
523-44-104-10006	044-104-10006-02	B	6	2.33	1.98	1.79	1.51
Plug Housings - Low Insertion Force							
523-44-103-99-899	044-103-99-899	A	2	1.90	1.75	1.37	1.23
523-44-103-10302	044-103-10302	A	2	1.84	1.56	1.41	1.19
523-44-103-10303	044-103-10303	A	3	2.02	1.71	1.54	1.31
523-44-103-10304	044-106-10304	A	4	2.08	1.77	1.59	1.35
523-44-103-10305	044-103-10305	A	5	2.02	1.71	1.54	1.31
523-44-103-10306	044-103-10306	A	6	2.02	1.71	1.54	1.31
Receptacle Housings - Low Insertion Force							
523-44-104-99-899	044-104-99-899	B	2	1.95	1.79	1.42	1.28
523-44-104-10302	044-104-10302	B	2	1.91	1.62	1.46	1.24
523-44-104-10303	044-104-10303	B	3	1.97	1.68	1.51	1.28
523-44-104-10304	044-104-10304	B	4	2.35	1.99	1.80	1.59
523-44-104-10305	044-104-10305	B	5	2.06	1.75	1.58	1.34
523-44-104-10306	044-104-10306	B	6	2.33	1.98	1.79	1.51

Insert Configurations



Contacts

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each
Pin Contacts - Used in Receptacles Only				
523-1414P-1000	044-100-1414P-1000	C	Bag of 1000	105.51
523-1414P-100	044-100-1414P-100	C	Bag of 100	32.79
523-1414P	044-100-1414P	C	Single Contact	.58
Socket Contacts - Used in Plugs Only				
523-1414S-1000	044-102-1414S-1000	D	Bag of 1000	327.68
523-1414S-100	044-102-1414S-100	D	Bag of 100	55.79
523-1414S	044-102-1414S	D	Single Contact	.98



Tools

523-357-588	357-588	-	Crimp Tool	171.00
523-356-258	356-258	-	Insertion Tool	27.95
523-356-259	356-259	-	Pin Extractor	26.95
523-356-260	356-260	-	Socket Extractor	26.95

BULGIN Sealed Plugs and Sockets

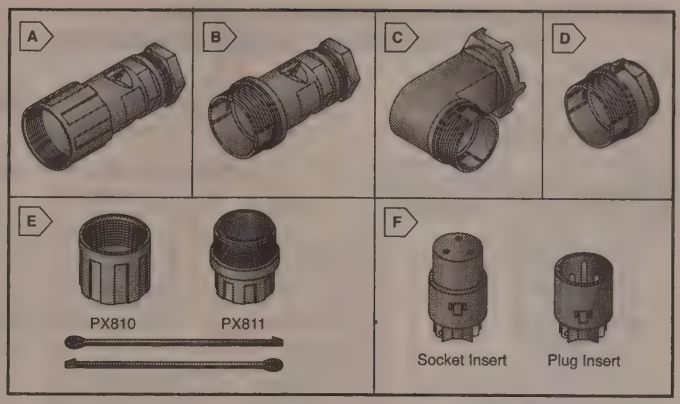
BULGIN

MINI BUCCANEER® ENVIRONMENTALLY SEALED CONNECTORS

Specifications:

Sealed To IP68 When Mated
Overall Diameter 26mm
Screw Terminals
UL Approved
Connector body and inserts supplied Separately

- 2 & 3 pole 10A, 250VAC, 4 pole 6A, 250VAC, 6 pole 3A, 150VAC
- Positive Locating Keyways - Cannot Be Mis-connected
- Cable Diameter 5-7mm
- Flammability Rating UL94V-0



Connectors

* Mates with PX0800

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
Mfr. Mfr. Part No.			1	25	50	100
157—PX0800	A	Flex cable body	3.73	3.29	3.04	2.54
*157—PX0801	B	Flex in-line cable body	3.42	3.04	2.83	2.36
*157—PX0803	C	Right angle panel mount body	3.42	3.04	2.76	2.31
*157—PX0805	D	Panel mount body	3.42	3.04	2.76	2.31

Contact Carrier Inserts

For quantities of 250 and up, call for quote.

167—SA3319	F	Socket - 2 Pole	3.69	3.39	3.01	2.51
167—SA3229	F	Socket - 3 Pole	6.69	6.15	5.46	4.56
167—SA3242	F	Socket - 4 Pole	6.81	6.25	5.56	4.64
167—SA3244	F	Socket - 6 Pole	7.38	6.78	6.02	5.03
177—SA3320	F	Plug - 2 Pole	4.79	4.40	3.91	3.27
177—SA3230	F	Plug - 3 Pole	3.88	3.56	3.17	2.64
177—SA3241	F	Plug - 4 Pole	4.87	4.47	3.97	3.32
177—SA3243	F	Plug - 6 Pole	5.40	4.96	4.41	3.68

Sealing Caps

• To maintain IP Rating

For quantities of 250 and up, call for quote.

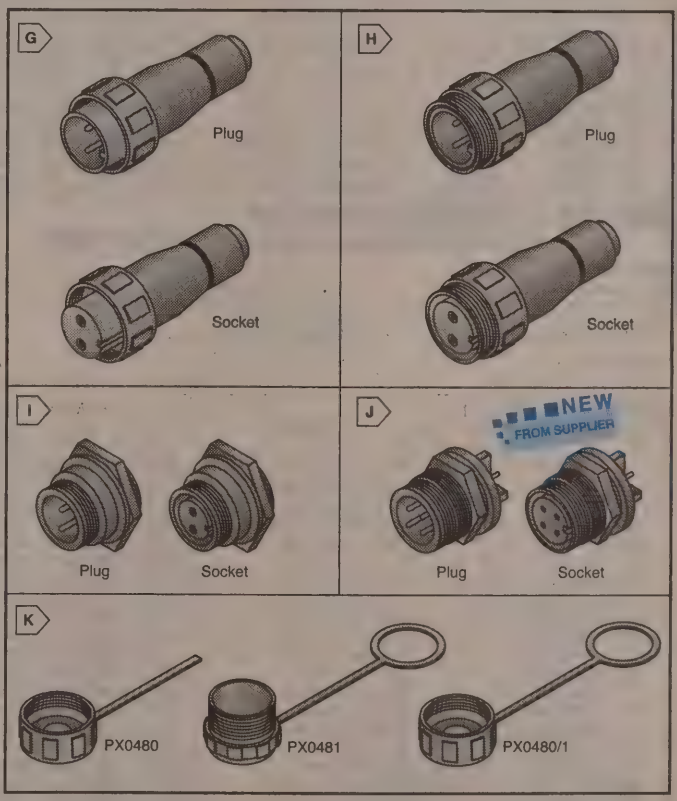
MOUSER STOCK NO.	Fig.	Description	Price Each			
Mfr. Mfr. Part No.			1	25	50	100
157—PX0810	E	Sealing cap fits 0801,0803 & 0805	1.14	1.05	.93	.78
157—PX0811	E	Sealing cap fits 0800	1.14	1.05	.93	.78

100 SERIES BUCCANEER® ENVIRONMENTALLY SEALED CONNECTORS

Specifications:

Sealed To IP68 When Mated
Overall Diameter 19.1mm
Solder Contacts Supplied Separately
UL, CSA, VDE Approved

- 2 & 3 pole 8A, 250VAC, 4 & 8 pole 5A, 125VAC, 12 pole 1A, 50VAC Current Rating
- Positive Locating Keyways - Cannot Be Mis-connected
- Maximum Cable Diameter 7mm



Flex Cable Connectors

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	Cable Dia. (mm)	Description	Price Each			
Mfr. Mfr. Part No.				1	25	50	100
167—PX0410/02S	G	5.5-6.0	Socket - 2 Pole	4.49	4.12	3.66	3.06
167—PX0410/03S	G	5.5-6.0	Socket - 3 Pole	4.49	4.12	3.66	3.06
167—PX0410/04S	G	4.5-5.0	Socket - 4 Pole	4.49	4.12	3.66	3.06
167—PX0410/08S	G	6.0-6.5	Socket - 8 Pole	4.49	4.12	3.66	3.06
167—PX0410/12S	G	6.0-6.5	Socket - 12 Pole	4.49	4.12	3.66	3.06
177—PX0410/02P	G	5.5-6.0	Plug - 2 Pole	4.49	4.12	3.66	3.06
177—PX0410/03P	G	5.5-6.0	Plug - 3 Pole	4.49	4.12	3.66	3.06
177—PX0410/04P	G	4.5-5.0	Plug - 4 Pole	4.49	4.12	3.66	3.06
177—PX0410/08P	G	6.0-6.5	Plug - 8 Pole	4.49	4.12	3.66	3.06
177—PX0410/12P	G	6.0-6.5	Plug - 12 Pole	4.49	4.12	3.66	3.06

In-Line Cable Connectors

Mates with Flex Cable Connector (PX0410)

For quantities of 250 and up, call for quote.

167—PX0411/02S	H	5.5-6.0	Socket - 2 Pole	4.49	4.12	3.66	3.06
167—PX0411/03S	H	5.5-6.0	Socket - 3 Pole	4.49	4.12	3.66	3.06
167—PX0411/04S	H	4.5-5.0	Socket - 4 Pole	4.49	4.12	3.66	3.06
167—PX0411/08S	H	6.0-6.5	Socket - 8 Pole	4.49	4.12	3.66	3.06
167—PX0411/12S	H	6.0-6.5	Socket - 12 Pole	4.49	4.12	3.66	3.06
177—PX0411/02P	H	5.5-6.0	Plug - 2 Pole	4.49	4.12	3.66	3.06
177—PX0411/03P	H	5.5-6.0	Plug - 3 Pole	4.49	4.12	3.66	3.06
177—PX0411/04P	H	4.5-5.0	Plug - 4 Pole	4.49	4.12	3.66	3.06
177—PX0411/08P	H	6.0-6.5	Plug - 8 Pole	4.49	4.12	3.66	3.06
177—PX0411/12P	H	6.0-6.5	Plug - 12 Pole	4.49	4.12	3.66	3.06

Panel Mounting Connectors

Mates with Flex Cable Connector (PX0410)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
Mfr. Mfr. Part No.			1	25	50	100
167—PX0412/02S	I	Socket - 2 Pole	3.82	3.51	3.12	2.61
167—PX0412/03S	I	Socket - 3 Pole	3.82	3.51	3.12	2.61
167—PX0412/04S	I	Socket - 4 Pole	3.82	3.51	3.12	2.61
167—PX0412/08S	I	Socket - 8 Pole	3.82	3.51	3.12	2.61
167—PX0412/12S	I	Socket - 12 Pole	3.82	3.51	3.12	2.61
177—PX0412/02P	I	Plug 2 - Pole	3.82	3.51	3.12	2.61
177—PX0412/03P	I	Plug 3 - Pole	3.82	3.51	3.12	2.61
177—PX0412/04P	I	Plug 4 - Pole	3.82	3.51	3.12	2.61
177—PX0412/08P	I	Plug 8 - Pole	3.82	3.51	3.12	2.61
177—PX0412/12P	I	Plug 12 - Pole	3.82	3.51	3.12	2.61

PCB Mounting Connectors

Mates with Flex Cable Connector (PX0410)
Supplied with pre-loaded gold plated contacts

For quantities of 250 and up, call for quote.

177—PX0413/04P/PC	J	Plug - 4 Pole	8.57	7.96	7.04	6.73
177—PX0413/06P/PC	J	Plug - 6 Pole	10.76	9.99	8.84	8.45
177—PX0413/08P/PC	J	Plug - 8 Pole	13.05	12.12	10.72	10.25
177—PX0413/10P/PC	J	Plug - 10 Pole	14.35	13.33	11.79	11.29
177—PX0413/12P/PC	J	Plug - 12 Pole	16.80	15.61	13.80	13.22
167—PX0413/04S/PC	J	Socket - 4 Pole	9.83	9.13	8.07	7.72
167—PX0413/06S/PC	J	Socket - 6 Pole	12.23	11.36	10.05	9.61
167—PX0413/08S/PC	J	Socket - 8 Pole	14.69	13.64	12.06	11.55
167—PX0413/10S/PC	J	Socket - 10 Pole	15.17	14.09	12.46	11.92
167—PX0413/12S/PC	J	Socket - 12 Pole	19.25	17.87	15.80	15.14

Sealing Caps and Accessories

• Maintains IP68 Rating of Unmated Connectors

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
Mfr. Mfr. Part No.			1	25	50	100
157—PX0480	K	Sealing cap for PX0412	1.14	1.04	.93	.78
157—PX0481	K	Sealing cap for PX0410	1.14	1.04	.93	.78
157—PX0480/1	K	Sealing cap for PX0411	1.14	1.04	.93	.78
157—PX0484	K	Sealing Cap for PX0413	1.64	1.52	1.35	1.23
157—PX0482	-	Gland pk 3.0-5.0mm 4ea	.82	.75	.67	.56
157—PX0483	-	Gland pk 5.0-7.0mm 4ea	.82	.75	.67	.56
157—13027	-	Insert/extract tool 12 pole	6.09	5.59	4.97	4.15
157—13027/1	-	Insert/extract tool 4 & 8 pole	6.09	5.59	4.97	4.15
157—13027/2	-	Insert/extract tool 2 & 3 pole	6.09	5.59	4.97	4.15
157—SA3349/1	-	Solder socket 2 & 3 pole 10 ea	8.22	7.55	6.71	5.60
157—SA3350/1	-	Solder pin 2 & 3 pole 10 ea	6.01	5.52	4.91	4.10
157—SA3347/1	-	Solder socket 4 & 8 pole 10 ea	7.57	6.95	6.18	5.16
157—SA3348/1	-	Solder pin 4 & 8 pole 10 ea	4.75	4.37	3.88	3.24
157—SA3179/1	-	Solder socket 12 pole 10 ea	5.44	5.00	4.44	3.71
157—SA3180/1	-	Solder pin 12 pole 10 ea	3.66	3.36	2.99	2.50

BULGIN 900 SERIES LARGE BUCCANEER® ENVIRONMENTALLY SEALED CONNECTORS

Specifications:

- Sealed to IP68 when mated
- Overall diameter 58mm
- Screw terminals
- No special tools required for assembly
- UL, CSA, VDE approved
- 32A, 600V AC/DC current rating
- Positive Locating Keyways - cannot be mis-connected
- Cable diameter 13-15mm
- Gland pack available for cable diameter 7-13mm

✻ Mates with PX0911

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Poles	Description	Price Each			
Mfr.	Mfr. Part No.				1	25	50	100
177—	PX0911/02/P	A	2	Flex cable plug	14.72	13.52	12.02	10.03
177—	PX0911/03/P	A	3	Flex cable plug	16.39	15.06	13.38	11.17
177—	PX0911/04/P	A	4	Flex cable plug	18.03	16.56	14.72	12.29
177—	PX0911/05/P	A	5	Flex cable plug	19.74	18.13	16.11	13.46
167—	PX0911/02/S	A	2	Flex cable socket	15.56	14.29	12.70	10.60
167—	PX0911/03/S	A	3	Flex cable socket	17.57	16.14	14.35	11.98
167—	PX0911/04/S	A	4	Flex cable socket	19.63	18.02	16.02	13.32
167—	PX0911/05/S	A	5	Flex cable socket	21.64	19.88	17.67	14.75
✻177—	PX0921/02/P	B	2	In-line cable plug	11.37	10.44	9.28	7.75
✻177—	PX0921/03/P	B	3	In-line cable plug	13.05	11.98	10.65	8.89
✻177—	PX0921/04/P	B	4	In-line cable plug	14.72	13.52	12.02	10.03
✻177—	PX0921/05/P	B	5	In-line cable plug	16.39	15.06	13.38	11.17
✻167—	PX0921/02/S	B	2	In-line cable socket	12.21	11.21	9.97	8.32
✻167—	PX0921/03/S	B	3	In-line cable socket	14.23	13.06	11.61	9.70
✻167—	PX0921/04/S	B	4	In-line cable socket	16.28	14.95	13.29	11.10
✻167—	PX0921/05/S	B	5	In-line cable socket	18.30	16.80	14.94	12.47
✻177—	PX0931/02/P	C	2	Panel mount plug	9.62	8.64	7.86	6.56
✻177—	PX0931/03/P	C	3	Panel mount plug	11.33	10.41	9.25	7.73
✻177—	PX0931/04/P	C	4	Panel mount plug	12.97	11.91	10.59	8.84
✻177—	PX0931/05/P	C	5	Panel mount plug	14.68	13.49	11.99	9.99
✻167—	PX0931/02/S	C	2	Panel mount socket	10.50	9.64	8.57	7.16
✻167—	PX0931/03/S	C	3	Panel mount socket	12.51	11.49	10.22	8.53
✻167—	PX0931/04/S	C	4	Panel mount socket	14.53	13.34	11.86	9.90
✻167—	PX0931/05/S	C	5	Panel mount socket	16.58	15.23	13.54	11.30
157—	PX0960	D	---	Sealing cap for PX0911	2.32	2.13	1.89	1.58
157—	PX0970	D	---	Sealing cap for others	4.26	3.91	3.48	2.90
157—	PX0980	---	---	Gland pack 7-13mm cable	1.71	1.57	1.40	1.17

BULGIN STANDARD BUCCANEER® ENVIRONMENTALLY SEALED CONNECTORS

Specifications:

- Sealed to IP68 when mated
- Overall diameter 38mm
- Screw terminals
- UL, CSA and VDE approved
- 2 & 3 pole 10A, 250VAC: 6 pole 3A, 250VAC
- Positive locating keyways - cannot be mis-connected
- Cable diameter 6-8mm
- No special tools required for assembly

† Supplied without contacts

✻ Mates with flex cable connector

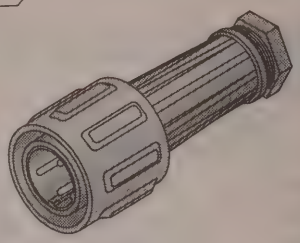
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Poles	Description	Price Each			
Mfr.	Mfr. Part No.				1	25	50	100
✻177—	PX0735/P	E	2	Panel mount plug	6.04	5.38	5.00	4.56
✻167—	PX0735/S	E	2	Panel mount socket	7.63	6.79	6.14	5.50
✻177—	PX0730/P	E	3	Panel mount plug	6.64	5.91	5.41	4.90
✻167—	PX0730/S	E	3	Panel mount socket	8.21	7.31	6.60	5.91
✻167—	PX0747/S	E	4	Panel mount socket	9.17	8.42	7.48	6.25
✻177—	PX0738/P	E	6	Panel mount plug	7.49	6.66	6.14	5.63
✻167—	PX0738/S	E	6	Panel mount socket	10.09	9.05	8.65	8.22
✻167—	PX0744/S	E	7	Panel mount socket	10.99	10.10	8.97	7.49
✻177—	PX0727/P	E	9	Panel mount plug	7.07	6.50	5.78	4.82
✻167—	PX0727/S	E	9	Panel mount socket	7.07	6.50	5.78	4.82
†✻167—	PX0822/S	E	25	Panel mount socket	4.18	3.84	3.42	2.85
177—	PX0736/P	F	2	Flex cable plug	7.73	6.88	6.10	5.55
167—	PX0736/S	F	2	Flex cable socket	9.31	8.28	7.58	7.29
177—	PX0731/P	F	3	Flex cable plug	8.21	7.31	6.60	5.91
167—	PX0731/S	F	3	Flex cable socket	9.78	8.71	8.04	7.57
177—	PX0748/P	F	4	Flex cable plug	9.59	8.80	7.82	6.53
177—	PX0739/P	F	6	Flex cable plug	9.22	8.20	7.45	6.66
167—	PX0739/S	F	6	Flex cable socket	11.85	10.55	9.75	8.92
177—	PX0745/P	F	7	Flex cable plug	10.16	9.33	8.29	6.92
177—	PX0728/P	F	9	Flex cable plug	9.01	8.28	7.36	6.14
167—	PX0728/S	F	9	Flex cable socket	9.01	8.28	7.36	6.14
†177—	PX0820/P	F	25	Flex cable plug	5.55	5.10	4.53	3.79
✻177—	PX0737/P	G	2	In-line cable plug	8.94	7.96	7.20	6.43
✻167—	PX0737/S	G	2	In-line cable socket	10.51	9.35	8.35	7.42
✻177—	PX0732/P	G	3	In-line cable plug	9.42	8.38	7.58	6.79
✻167—	PX0732/S	G	3	In-line cable socket	10.99	9.78	8.88	7.93
✻177—	PX0740/P	G	6	In-line cable plug	10.27	9.14	8.34	7.49
✻167—	PX0740/S	G	6	In-line cable socket	12.44	11.07	10.05	8.92
157—	PX0733	H	---	Sealing cap for panel & in-line	.87	.80	.71	.60
157—	PX0734	H	---	Sealing Cap for flex type	1.14	1.05	.90	.78
157—	SA3179	---	---	Crimp socket, 10 each	5.44	5.00	4.44	3.71
157—	SA3180	---	---	Crimp pin, 10 each	3.66	3.36	2.99	2.50

Strain Relief

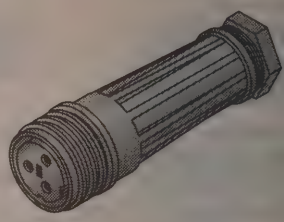
MOUSER STOCK NO.		Fig.	Description	Price Each			
Mfr.	Mfr. Part No.			1	25	50	100
157—	12237	I	5 to 7mm and 7 to 9mm Cable	.80	.73	.65	.54

A



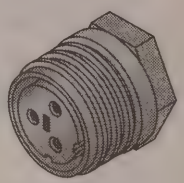
Plug Shown

B



Socket Shown

C



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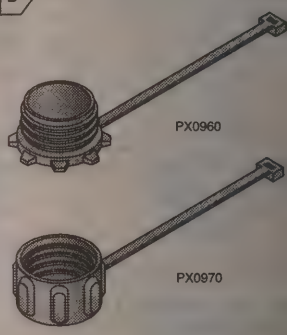
D



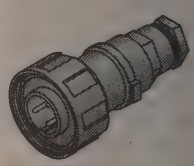
PX0960

PX0970

E

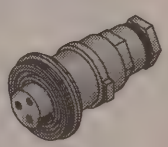
Plug Shown

F



Plug Shown

G



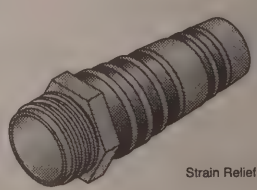
Socket Shown

H

PX0733

PX0734

I



Strain Relief Shown

IELD INSTALLABLE CONNECTORS

w cost Standard connectors for Industrial and Marine Applications

e all plastic connector is corrosion resistant, non-conductive and withstands substantial abuse, hostile environments, and heavy impacts that would herwise cause metal connectors to corrode, deform or become electrically conductive and thus become unusable or unsafe.

eatures:

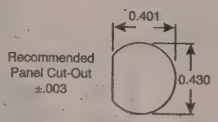
Solder Cup Termination
Corrosion resistant and non-conductive connectors
Suitable for use in hostile environments
Coupling rings have overriding locking feature to prevent loosening or separation of connector

- UL Recognized File # E138878-250V
- CSA Certified File # LR89277-600V

pecifications:

Connector body & Backshell: Black Nylon
Connector: Gold over Nickel
Grommet: Black Santoprene Rubber
Voltage: 600V
Durability: Minimum 300 mate/unmate cycles w/out mechanical or electrical failure

- Temperature Rating: -55°C to +125°C (-67°F to +257°F)
- Watertight: Up to IP67/NEMA 6P



DIMENSIONS: IN

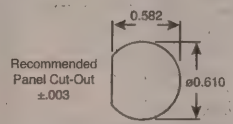
icro-Con-X® Subminiature Series

ntact size #20; #20-24 AWG

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conxall Part No.	Fig.	No. of Contacts	Contact Type	Dimension (In.) A	Dimension (In.) B	Contact Rating *	Price Each 1	Price Each 10	Price Each 25
able End										
02-16282-2PG-315	16282-2PG-315	A	2	Pin	1.290	0.530	7.5A	3.67	3.34	3.17
02-16282-2SG-315	16282-2SG-315	B	2	Socket	1.290	0.530	7.5A	4.22	3.84	3.65
02-16282-3PG-315	16282-3PG-315	A	3	Pin	1.290	0.530	7.5A	4.31	3.92	3.72
02-16282-3SG-315	16282-3SG-315	B	3	Socket	1.290	0.530	7.5A	5.17	4.70	4.47
anel Mount (with hex nut and flanged gasket)										
02-17282-2PG-300	17282-2PG-300	C	2	Pin	0.715	0.715	7.5A	2.68	2.44	2.32
02-17282-2SG-300	17282-2SG-300	D	2	Socket	0.715	0.715	7.5A	3.43	3.12	2.96
02-17282-3PG-300	17282-3PG-300	C	3	Pin	0.715	0.715	7.5A	3.32	3.02	2.87
02-17282-3SG-300	17282-3SG-300	D	3	Socket	0.715	0.72	7.5A	4.29	3.90	3.71
able to Cable										
02-18282-2PG-315	18282-2PG-315	E	2	Pin	1.320	0.500	7.5A	2.55	2.32	2.20
02-18282-2SG-315	18282-2SG-315	F	2	Socket	1.320	0.500	7.5A	4.03	3.66	3.48
02-18282-3PG-315	18282-3PG-315	E	3	Pin	1.320	0.500	7.5A	3.89	3.54	3.36
02-18282-3SG-315	18282-3SG-315	F	3	Socket	1.320	0.500	7.5A	4.97	4.52	4.29

mperage is limited also by wire specifications.



DIMENSIONS: IN

ni-Con-X® Series

tact size #20; #20-24 AWG

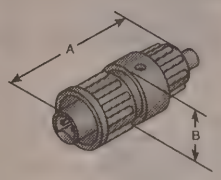
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conxall Part No.	Fig.	No. of Contacts	Contact Type	Dimension (In.) A	Dimension (In.) B	Contact Rating*	Price Each 1	Price Each 10	Price Each 25
ble End										
2-6282-2PG-3DC	6282-2PG-3DC	A	2	Pin	1.315	0.715	7.5A	4.22	3.84	3.65
2-6282-2SG-3DC	6282-2SG-3DC	B	2	Socket	1.315	0.715	7.5A	4.97	4.52	4.29
2-6282-3PG-3DC	6282-3PG-3DC	A	3	Pin	1.315	0.715	7.5A	4.86	4.42	4.20
2-6282-3SG-3DC	6282-3SG-3DC	B	3	Socket	1.315	0.715	7.5A	5.92	5.38	5.11
2-6282-4PG-3DC	6282-4PG-3DC	A	4	Pin	1.315	0.715	5.6A	5.46	4.96	4.71
2-6282-4SG-3DC	6282-4SG-3DC	B	4	Socket	1.315	0.715	5.6A	6.82	6.20	5.89
2-6282-5PG-3DC	6282-5PG-3DC	A	5	Pin	1.315	0.715	5.6A	6.05	5.50	5.23
2-6282-5SG-3DC	6282-5SG-3DC	B	5	Socket	1.315	0.715	5.6A	7.70	7.00	6.65
2-6282-6PG-3DC	6282-6PG-3DC	A	6	Pin	1.315	0.715	5.6A	6.60	6.00	5.70
2-6282-6SG-3DC	6282-6SG-3DC	B	6	Socket	1.315	0.715	5.6A	8.56	7.78	7.39
el Mount (with hex nut and flanged gasket)										
2-7282-2PG-300	7282-2PG-300	C	2	Pin	0.675	0.924	7.5A	2.71	2.46	2.34
2-7282-2SG-300	7282-2SG-300	D	2	Socket	0.675	0.924	7.5A	3.21	2.92	2.77
2-7282-3PG-300	7282-3PG-300	C	3	Pin	0.675	0.924	7.5A	3.34	3.04	2.89
2-7282-3SG-300	7282-3SG-300	D	3	Socket	0.675	0.924	7.5A	4.00	3.64	3.46
2-7282-4PG-300	7282-4PG-300	C	4	Pin	0.675	0.924	5.6A	3.94	3.58	3.40
2-7282-4SG-300	7282-4SG-300	D	4	Socket	0.675	0.924	5.6A	4.88	4.44	4.22
2-7282-5PG-300	7282-5PG-300	C	5	Pin	0.675	0.924	5.6A	4.51	4.10	3.90
2-7282-5SG-300	7282-5SG-300	D	5	Socket	0.675	0.924	5.6A	5.68	5.16	4.90
2-7282-6PG-300	7282-6PG-300	C	6	Pin	0.675	0.924	5.6A	5.06	4.60	4.37
2-7282-6SG-300	7282-6SG-300	D	6	Socket	0.675	0.924	5.6A	6.45	5.86	5.57
le to Cable										
8282-2PG-3DC	8282-2PG-3DC	E	2	Pin	1.395	0.625	7.5A	4.60	4.18	3.97
8282-2SG-3DC	8282-2SG-3DC	F	2	Socket	1.395	0.625	7.5A	5.10	4.64	4.41
8282-3PG-3DC	8282-3PG-3DC	E	3	Pin	1.395	0.625	7.5A	5.24	4.76	4.52
8282-3SG-3DC	8282-3SG-3DC	F	3	Socket	1.395	0.625	7.5A	6.05	5.50	5.23
8282-4PG-3DC	8282-4PG-3DC	E	4	Pin	1.395	0.625	5.6A	5.83	5.30	5.04
8282-4SG-3DC	8282-4SG-3DC	F	4	Socket	1.395	0.625	5.6A	6.95	6.32	6.00
8282-5PG-3DC	8282-5PG-3DC	E	5	Pin	1.395	0.625	5.6A	6.40	5.82	5.53
8282-5SG-3DC	8282-5SG-3DC	F	5	Socket	1.395	0.625	5.6A	7.83	7.12	6.76
8282-6PG-3DC	8282-6PG-3DC	E	6	Pin	1.395	0.625	5.6A	6.97	6.34	6.02
8282-6SG-3DC	8282-6SG-3DC	F	6	Socket	1.395	0.625	5.6A	8.69	7.90	7.51

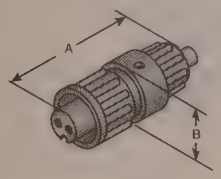
erage is limited also by wire specifications.

3DC=Daisy chain grommet with 3 I.D.'s (.125, .188, .250)

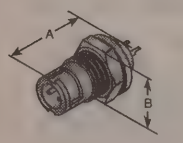
A (Mates with Fig. D and F)



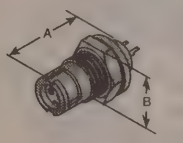
B (Mates with Fig. C and E)



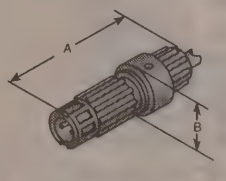
C (Mates with Fig. B)



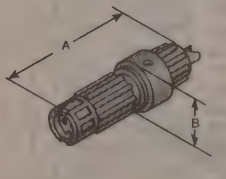
D (Mates with Fig. A)



E (Mates with Fig. B)



F (Mates with Fig. A)



FIELD INSTALLABLE CONNECTORS

Low cost Standard connectors for Industrial and Marine Applications

The all plastic connector is corrosion resistant, non-conductive and withstands substantial abuse, hostile environments, and heavy impacts that would otherwise cause metal connectors to corrode, deform or become electrically conductive and thus become unusable or unsafe.

Features:

- Solder Cup Termination
- Corrosion resistant and non-conductive connectors
- Suitable for use in hostile environments
- Coupling rings have overriding locking feature to prevent loosening or separation of connector
- UL Recognized File # E138878-250V
- CSA Certified File # LR89277-600V

Specifications:

- Connector body & Backshell: Black Nylon
- Connector: Gold over Nickel
- Grommet: Black Santoprene Rubber
- Voltage: 600V
- Durability: Minimum 300 mate/unmate cycles w/out mechanical or electrical failure
- Temperature Rating: -55°C to +125°C (-67°F to +257°F)
- Watertight: Up to IP67/NEMA 6P

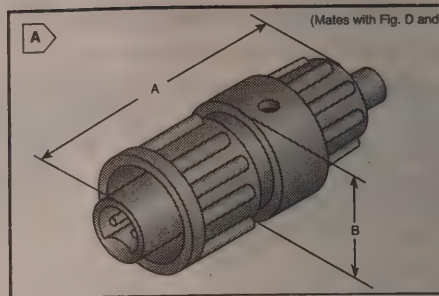
Multi-Con-X® Series

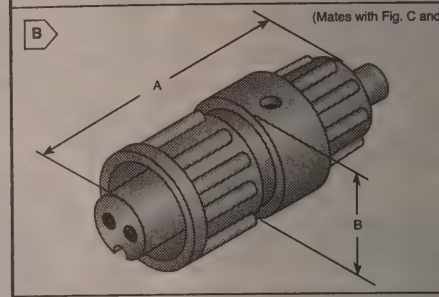
For quantities of 500 and up, call for quote.

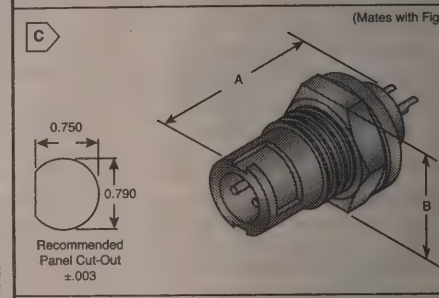
MOUSER STOCK NO.	Conxall Part No.	Fig.	No. of Contacts	Contact Type	Contact Size	AWG	Dimension (In.) A	Dimension (In.) B	Contact Rating*	Price Each 1	Price Each 10	Price Each 25
Cable End												
502-3182-2PG-3DC	3182-2PG-3DC	A	2	Pin	#12	#12-16	1.570	0.875	23A	5.63	5.12	4.86
502-3182-2SG-3DC	3182-2SG-3DC	B	2	Socket	#12	#12-16	1.570	0.875	23A	6.91	6.28	5.97
502-3182-3PG-3DC	3182-3PG-3DC	A	3	Pin	#12	#12-16	1.570	0.875	23A	6.58	5.98	5.68
502-3182-3SG-3DC	3182-3SG-3DC	B	3	Socket	#12	#12-16	1.570	0.875	23A	8.24	7.50	7.13
502-3282-4PG-3DC	3282-4PG-3DC	A	4	Pin	#20	#20-24	1.570	0.875	5.6A	6.29	5.72	5.43
502-3282-4SG-3DC	3282-4SG-3DC	B	4	Socket	#20	#20-24	1.570	0.875	5.6A	7.94	7.22	6.86
502-3282-5PG-3DC	3282-5PG-3DC	A	5	Pin	#20	#20-24	1.570	0.875	5.6A	6.86	6.24	5.93
502-3282-5SG-3DC	3282-5SG-3DC	B	5	Socket	#20	#20-24	1.570	0.875	5.6A	8.82	8.02	7.62
502-3282-6PG-3DC	3282-6PG-3DC	A	6	Pin	#20	#20-24	1.570	0.875	5.6A	7.41	6.74	6.40
502-3282-6SG-3DC	3282-6SG-3DC	B	6	Socket	#20	#20-24	1.570	0.875	5.6A	9.68	8.80	8.36
502-3282-7PG-3DC	3282-7PG-3DC	A	7	Pin	#20	#20-24	1.570	0.875	4.8A	7.96	7.24	6.88
502-3282-7SG-3DC	3282-7SG-3DC	B	7	Socket	#20	#20-24	1.570	0.875	4.8A	10.54	9.58	9.10
502-3282-8PG-3DC	3282-8PG-3DC	A	8	Pin	#20	#20-24	1.570	0.875	4.8A	8.49	7.72	7.33
502-3282-8SG-3DC	3282-8SG-3DC	B	8	Socket	#20	#20-24	1.570	0.875	4.8A	11.37	10.34	9.82
502-3282-9PG-3DC	3282-9PG-3DC	A	9	Pin	#20	#20-24	1.570	0.875	4.8A	9.02	8.20	7.79
502-3282-9SG-3DC	3282-9SG-3DC	B	9	Socket	#20	#20-24	1.570	0.875	4.8A	12.19	11.08	10.53
Panel Mount (with hex nut and flanged gasket)												
502-4182-2PG-300	4182-2PG-300	C	2	Pin	#12	#12-16	0.625	1.155	23A	3.83	3.48	3.31
502-4182-2SG-300	4182-2SG-300	D	2	Socket	#12	#12-16	0.625	1.155	23A	4.62	4.20	3.99
502-4182-3PG-300	4182-3PG-300	C	3	Pin	#12	#12-16	0.625	1.155	23A	4.75	4.32	4.10
502-4182-3SG-300	4182-3SG-300	D	3	Socket	#12	#12-16	0.625	1.155	23A	5.96	5.42	5.15
502-4282-4PG-300	4282-4PG-300	C	4	Pin	#20	#20-24	0.625	1.155	5.6A	4.44	4.04	3.84
502-4282-4SG-300	4282-4SG-300	D	4	Socket	#20	#20-24	0.625	1.155	5.6A	5.32	4.84	4.60
502-4282-5PG-300	4282-5PG-300	C	5	Pin	#20	#20-24	0.625	1.155	5.6A	5.02	4.56	4.33
502-4282-5SG-300	4282-5SG-300	D	5	Socket	#20	#20-24	0.625	1.155	5.6A	6.27	5.70	5.42
502-4282-6PG-300	4282-6PG-300	C	6	Pin	#20	#20-24	0.625	1.155	5.6A	5.57	5.06	4.81
502-4282-6SG-300	4282-6SG-300	D	6	Socket	#20	#20-24	0.625	1.155	5.6A	6.89	6.26	5.95
502-4282-7PG-300	4282-7PG-300	C	7	Pin	#20	#20-24	0.625	1.155	4.8A	6.12	5.56	5.28
502-4282-7SG-300	4282-7SG-300	D	7	Socket	#20	#20-24	0.625	1.155	4.8A	7.66	6.96	6.61
502-4282-8PG-300	4282-8PG-300	C	8	Pin	#20	#20-24	0.625	1.155	4.8A	6.64	6.04	5.74
502-4282-8SG-300	4282-8SG-300	D	8	Socket	#20	#20-24	0.625	1.155	4.8A	8.56	7.78	7.39
502-4282-9PG-300	4282-9PG-300	C	9	Pin	#20	#20-24	0.625	1.155	4.8A	7.15	6.50	6.18
502-4282-9SG-300	4282-9SG-300	D	9	Socket	#20	#20-24	0.625	1.155	4.8A	9.28	8.44	8.02
Cable to Cable												
502-5182-2PG-3DC	5182-2PG-3DC	E	2	Pin	#12	#12-16	1.650	0.766	23A	5.57	5.06	4.81
502-5182-2SG-3DC	5182-2SG-3DC	F	2	Socket	#12	#12-16	1.650	0.766	23A	6.40	5.82	5.53
502-5182-3PG-3DC	5182-3PG-3DC	E	3	Pin	#12	#12-16	1.650	0.766	23A	6.51	5.92	5.62
502-5182-3SG-3DC	5182-3SG-3DC	F	3	Socket	#12	#12-16	1.650	0.766	23A	7.74	7.04	6.69
502-5282-4PG-3DC	5282-4PG-3DC	E	4	Pin	#20	#20-24	1.650	0.766	5.6A	6.20	5.64	5.36
502-5282-4SG-3DC	5282-4SG-3DC	F	4	Socket	#20	#20-24	1.650	0.766	5.6A	7.44	6.76	6.42
502-5282-5PG-3DC	5282-5PG-3DC	E	5	Pin	#20	#20-24	1.650	0.766	5.6A	6.80	6.18	5.87
502-5282-5SG-3DC	5282-5SG-3DC	F	5	Socket	#20	#20-24	1.650	0.766	5.6A	8.32	7.56	7.18
502-5282-6PG-3DC	5282-6PG-3DC	E	6	Pin	#20	#20-24	1.650	0.766	5.6A	7.35	6.68	6.35
502-5282-6SG-3DC	5282-6SG-3DC	F	6	Socket	#20	#20-24	1.650	0.766	5.6A	9.04	8.22	7.81
502-5282-7PG-3DC	5282-7PG-3DC	E	7	Pin	#20	#20-24	1.650	0.766	4.8A	7.74	7.04	6.69
502-5282-7SG-3DC	5282-7SG-3DC	F	7	Socket	#20	#20-24	1.650	0.766	4.8A	9.88	8.98	8.53
502-5282-8PG-3DC	5282-8PG-3DC	E	8	Pin	#20	#20-24	1.650	0.766	4.8A	8.27	7.52	7.14
502-5282-8SG-3DC	5282-8SG-3DC	F	8	Socket	#20	#20-24	1.650	0.766	4.8A	10.71	9.74	9.25
502-5282-9PG-3DC	5282-9PG-3DC	E	9	Pin	#20	#20-24	1.650	0.766	4.8A	8.80	8.00	7.60
502-5282-9SG-3DC	5282-9SG-3DC	F	9	Socket	#20	#20-24	1.650	0.766	4.8A	11.53	10.48	9.96

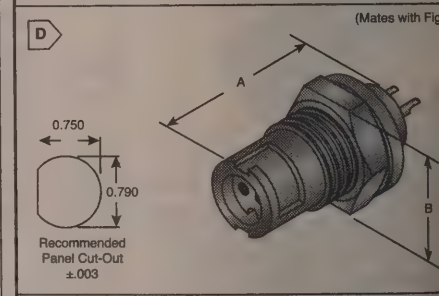
* Amperage is limited also by wire specifications.

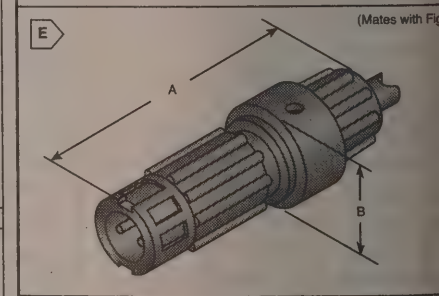
3DC=Daisy chain grommet with 3 I.D.'s (.125, .188, .250)

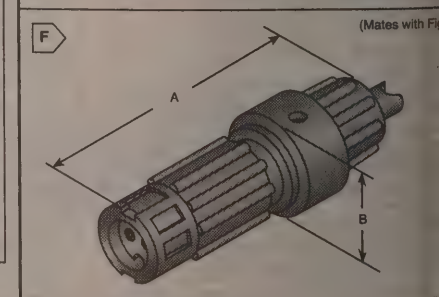












JB5 SERIES GENERAL PURPOSE WATERPROOF CIRCULAR CONNECTORS

his I/O connector features a secure push-pull mating system and is suitable for use in devices such as handheld PC's, scanners, ortable instruments, medical monitors, and any other device used in outdoor or splash-prone environments. Metal micro-circular onnector. Waterproof seal to IP68. Series operates at speeds up to 20 Mbps (based on USB1.1)

NEW FROM SUPPLIER

pecifications:

Current rating: 2A per contact
Dielectric withstanding voltage: 200VAC for one minute
Operating temperature: -55°C to +85°C

- Insulator: Glass-filled LCP
- Shell/Coupling Nut/Assembly Nut/Gland Nut: Copper/Chromium plated
- Shield Sleeve/Clamp/Spacer/Spring: Copper/Nickel plated
- Contact plating: 30µin Au over Ni
- Barrel: Zinc/Nickel plated
- RoHS Compliance per JAE documentation

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
56-JB5CS03FL00	JB5CS03FL00	A	3	Receptacle with solder cups	16.64	15.81	14.98	14.14
56-JB5DS03ML11	JB5DS03ML11	B	3	Plug with solder cup terminals	26.76	25.42	24.08	22.75
56-JB5CS04FM00	JB5CS04FM00	A	4	Receptacle with solder cups	16.64	15.81	14.98	14.14
56-JB5DS04MM11	JB5DS04MM11	B	4	Plug with solder cup terminals	26.76	25.42	24.08	22.75
56-JB5CS05FM00	JB5CS05FM00	A	5	Receptacle with solder cups	17.46	16.59	15.71	14.84
56-JB5DS05MM11	JB5DS05MM11	B	5	Plug with solder cup terminals	27.50	26.13	24.75	23.38
56-JB5CS06FN00	JB5CS06FN00	A	6	Receptacle with solder cups	18.08	17.18	16.27	15.37
56-JB5DS06MN11	JB5DS06MN11	B	6	Plug with solder cup terminals	29.26	27.80	26.33	24.87
56-JB5CS08FN00	JB5CS08FN00	A	8	Receptacle with solder cups	32.40	30.78	29.16	27.54
56-JB5DS08MN11	JB5DS08MN11	B	8	Plug with solder cup terminals	32.72	31.08	29.45	27.81

ools

MOUSER STOCK NO.	JAE Part No.	Description	Price Each
56-JB5-BIT-001	JB5-BIT-001	Receptacle nut wrench tool	249.48
56-WT-JB5-1-3	WT-JB5-1-3	Plug assembly jig for 3 position plug	450.00
56-WT-JB5-1-4	WT-JB5-1-4	Plug assembly jig for 4 position plug	450.00
56-WT-JB5-1-5	WT-JB5-1-5	Plug assembly jig for 5 position plug	450.00
56-WT-JB5-1-6	WT-JB5-1-6	Plug assembly jig for 6 position plug	450.00
56-WT-JB5-1-8	WT-JB5-1-8	Plug assembly jig, for 8 position plug	450.00

N1 SERIES GENERAL PURPOSE WATERPROOF MINIATURE CONNECTORS

plastic, waterproof to IP67. Twisting locking mechanism. Right angle plug can be mated in 4 different directions by rotating the connector 90 degrees

pecifications:

Current rating: 5 amps (4 Pin) or 3 amps (10 Pin) per contact
Dielectric withstanding voltage: 2000VAC (4 Pin) or 900VAC (10 Pin) r.m.s. for one minute
Insulation resistance: 1000 megohms min.
Operating temperature: -20°C to +125°C
Applicable wire size: # 20, # 21-25, # 26-28
RoHS Compliance per JAE documentation

Receptacle:
- Pin Insulator: Synthetic resin
- Pin Contact: Copper alloy / Gold plating (10 pins) or Silver plating (4 Pins)

Plug:
- Front & Rear Insulator: Synthetic resin
- Spring & Spring Pin: Stainless Steel
- Socket Contact: Copper alloy / Gold plating (10 pins) or Silver plating (4 Pins)

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
56-JN1AS04MK1	JN1AS04MK1	C	4	Panel mount Receptacle	5.02	4.56	4.33	4.10
56-JN1DS04FK1	JN1DS04FK1	D	4	Straight Plug	10.58	9.62	9.14	8.66
56-JN1AS10UL1	JN1AS10UL1	C	10	Panel mount Receptacle	3.50	3.18	3.02	2.86
56-JN1DS10SL1	JN1DS10SL1	D	10	Straight Plug	10.30	9.36	8.89	8.42
56-JN1FS10SL2	JN1FS10SL2	N/A	10	Angle Plug, 6.5mm to 8.0mm dia.	10.30	9.36	8.89	8.42
56-JN1DS10SL2	JN1DS10SL2	D	10	Straight Plug, 6.5mm to 8.0mm dia.	10.30	9.36	8.89	8.42

ontacts

MOUSER STOCK NO.	JAE Part No.	Description	Price Each			
			1	10	50	100
56-JN1-22-22S	JN1-22-22S-10000	Socket Contact type #22 for Wire sizes 21 - 25 AWG	.18	.16	.15	.14

K24 / TX25 SERIES 1.27MM OC BOARD TO PC BOARD CONNECTORS

connections between parallel boards spaced between 12 to 24mm (2mm increments). Rugged with mating guide suitable for mounting on rack or panel. bon type contacts ensures reliable electrical continuity, resisting twisting force of coupling. Suitable for applications such as: computers, OA equipment, mmunications equipment, measuring instruments, factory automation equipment, etc...

ecifications:

urrent rating: 1 Amp
lating side contact finish: Gold over nickel
ithstanding voltage: 500VAC r.m.s. (for 1 minute) (initial)
250VAC r.m.s. (for 1 minute) (after stress)

- Operating temperature: -40°C to +80°C
- Insulation resistance: 100 megaohms min. (initial) or 10 megaohms min. (after stress)
- Contact resistance: 40 milliohms max. (initial) or 60 milliohms max. (after stress)
- RoHS Compliance per JAE documentation

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
56-TX24-30R-LT-H1E	TX24-30R-LT-H1E	F	30	Right-angle, Receptacle with hook	1.61	1.53	1.45	1.37
56-TX25-30P-12STN1E	TX25-30P-12ST-N1E	H	30	Straight, Plug no hook	1.26	1.20	1.08	1.02
56-TX24-80R-LT-H1E	TX24-80R-LT-H1E	F	80	Right-angle, Receptacle with hook	3.68	3.50	3.15	2.98
56-TX24-80R-10STH1E	TX24-80R-10ST-H1E	E	80	Straight, Receptacle with hook	2.16	2.06	1.85	1.75
56-TX24-80R-6ST-H1E	TX24-80R-6ST-H1E	E	80	Straight, Receptacle with hook	2.54	2.42	2.18	2.06
56-TX25-80P-LT-H1E	TX25-80P-LT-H1E	G	80	Right-angle, Plug with hook	3.67	3.50	3.15	2.97
56-TX24-100R10STH1E	TX24-100R-10ST-H1E	E	100	Straight, Receptacle with hook	2.66	2.54	2.28	2.03
56-TX25-100P-LT-H1E	TX25-100P-LT-H1E	G	100	Right-angle, Plug with hook	4.16	3.96	3.56	3.36

A01A SERIES 0.50MM (.020") CONTACT SPACING PCB TO PCB SMT CONNECTORS

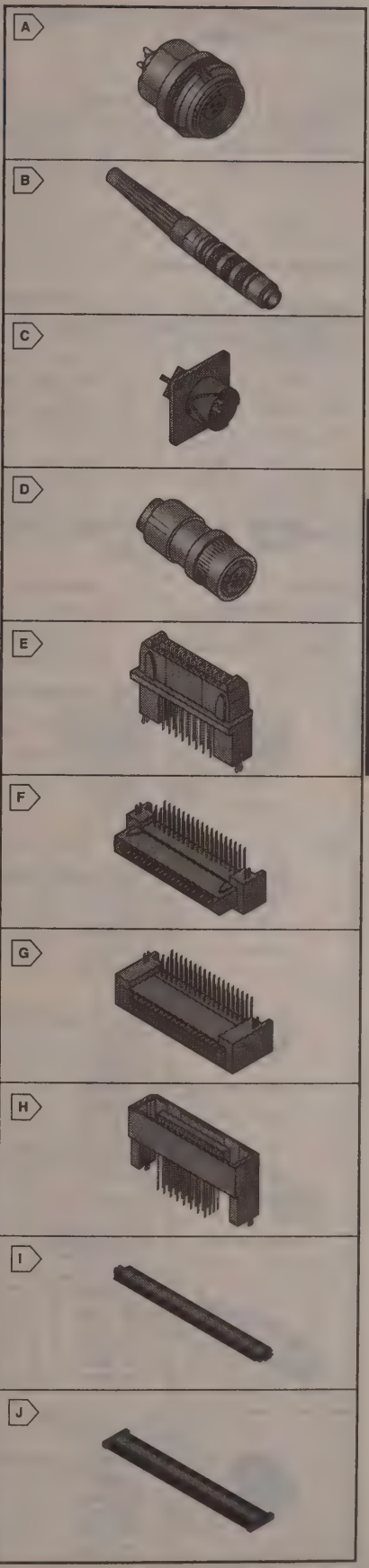
2 row SMT board to board connector. Low profile 1.5mm mating height. Guide on insulator mates connector automatically by assembly machine. For cations such as PDA's, cell phones, and other compact equipment. Unique design prevents solder wicking. Locking mechanism in each contact.

cifications:

rent rating: 0.2 amp per contact
ulator: Heat resistant plastic (UL94V-0)
tact: Copper alloy with Gold plating; contact area: 0.1µm min.
standing Voltage: 250VAC r.m.s. (for one minute)

- Contact resistance: 70 milliohms max.
- Operating temperature: -40°C to +85°C
- Hold down: Copper alloy with tin plating
- Insulation resistance: 100 megaohms min.
- RoHS Compliance per JAE documentation

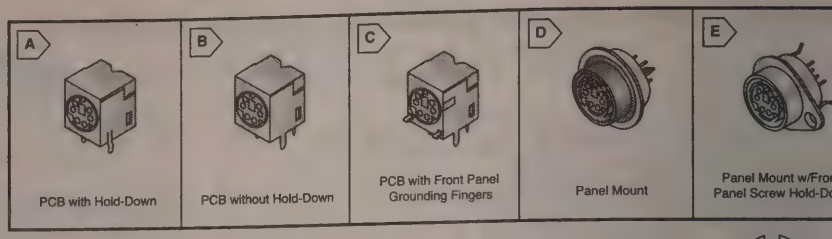
MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
56-AA01A-P010VA1	AA01A-P010VA1-R3000	I	10	Plug	.92	.84	.79	.75
56-AA01A-S010VA1	AA01A-S010VA1-R3000	J	10	Receptacle	1.07	.97	.92	.88
56-AA01A-P030VA1	AA01A-P030VA1-R3000	I	30	Plug	1.91	1.74	1.65	1.57
56-AA01A-S030VA1	AA01A-S030VA1-R3000	J	30	Receptacle	1.58	1.44	1.37	1.30
56-AA01A-P060VA1	AA01A-P060VA1-R3000	I	60	Plug	1.58	1.44	1.37	1.30
56-AA01A-S060VA1	AA01A-S060VA1-R3000	J	60	Receptacle	1.80	1.63	1.55	1.47



tyco Electronics — AMP MINI-DIN CONNECTORS SHIELDED

Features:
- Choice of plating
- Compact size
- Choice of 4, 5, 6, or 8 pin
- Integral one piece shield
- Free hanging not available

Specifications:
- Housing: 94V-0 thermoplastic
- Contacts: phosphor bronze plated with:
  a.) gold flash nickel underplate
  b.) 30µ" nickel underplate
  c.) 15µ" nickel underplate
- Recommended PC board thickness: .062"



4-Position

6-Position

8-Position

Right Angle, PCB, Thru-Hole

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Plating	Price Each 1	10	100	500
571-749181-1	749181-1	A	4	30µ"	1.66	1.38	1.10	.91
571-7492311	749231-1	A	6	Gold flash	2.31	1.92	1.54	1.27
571-749180-1	749180-1	A	6	30µ"	1.66	1.38	1.10	.91
*571-7492651	749265-1	B	6	Gold flash	2.17	1.80	1.44	1.19
*571-7492661	749266-1	B	6	30µ"	2.60	2.16	1.73	1.43
571-7500711	750071-1	C	6	30µ"	2.53	2.10	1.68	1.39
571-7492321	749232-1	A	8	Gold flash	2.46	2.05	1.64	1.36
*571-7492681	749268-1	B	8	Gold flash	2.31	1.92	1.54	1.27

* without hold-down

Vertical, Panel Mount, Thru-Hole

For quantities of 1000 and up, call for quote.

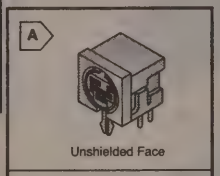
MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Plating	Price Each 1	10	100	500
*571-750319-2	750319-2	E	4	Gold flash	4.34	3.91	3.69	3.47
*571-750131-2	750131-2	E	6	30µ"	3.51	2.39	1.96	1.74
571-7503292	750329-2	D	6	30µ"	5.18	4.74	3.99	3.77
571-7503381	750338-1	D	8	15µ"	4.30	3.59	3.37	3.23
*571-7503401	750340-1	E	8	15µ"	4.44	4.00	3.77	3.55
*571-750340-2	750340-2	E	8	30µ"	4.42	3.98	3.76	3.54

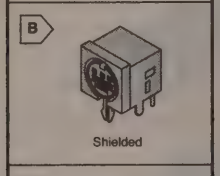
* with front panel screw hold-down

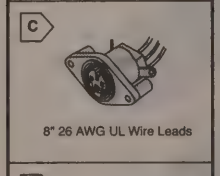
KOBICONN — MINI-DIN CONNECTORS SHIELDED / UNSHIELDED

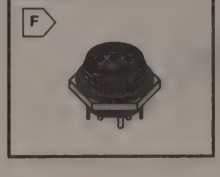
Features:
- Compact miniature design
- Ideal for I/O connector applications
- Versatile right angle PCB mounting
- Available 3-9 contact positions

Specifications:
- Voltage rating: 100VAC
- Current rating: 1A
- Insulation resistance: 50MΩ
- Breakdown voltage: 250VAC
- Contact resistance: 30mΩ









PCB Unshielded Receptacles

MOUSER STOCK NO.	Fig.	Contact Positions	Price Each 1	10	100	500	1000+
161-2203	A	3 pin	.77	.67	.52	.41	
161-2204	A	4 pin	.80	.69	.54	.43	Call
161-2205	A	5 pin	.84	.73	.56	.45	for
161-2206	A	6 pin	.88	.77	.60	.47	Quote
161-2208	A	8 pin	1.09	.95	.74	.58	

PCB Shielded Receptacles

161-2303	B	3 pin	.97	.85	.66	.52	
161-2304	B	4 pin	1.00	.87	.68	.54	Call
161-2305	B	5 pin	1.04	.90	.70	.55	for
161-2306	B	6 pin	1.09	.95	.74	.58	Quote
161-2308	B	8 pin	1.29	1.13	.88	.69	

Panel Mount Unshielded Receptacles

161-2103	C	3 pin	1.56	1.20	1.09	.99	
161-2104	C	4 pin	1.65	1.27	1.16	1.05	Call
161-2105	C	5 pin	1.68	1.30	1.18	1.07	for
161-2106	C	6 pin	1.73	1.33	1.20	1.10	Quote
161-2108	C	8 pin	1.79	1.38	1.26	1.14	

Plugs • Solder cup • 6 piece assembly

171-2603	D	3 pin	.88	.77	.60	.47	
171-2604	D	4 pin	.94	.82	.64	.50	Call
171-2605	D	5 pin	.99	.88	.68	.54	for
171-2606	D	6 pin	1.06	.92	.72	.57	Quote
171-2608	D	8 pin	1.18	1.03	.80	.63	
171-2609	D	9 pin	1.57	1.31	1.19	1.08	

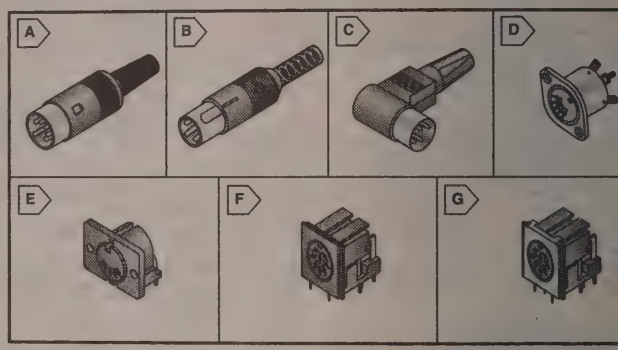
Receptacles

161-2603	E	3 pin	.93	.71	.65	.59	
161-2604	E	4 pin	.99	.76	.69	.63	Call
161-2605	E	5 pin	1.04	.80	.73	.66	for
161-2606	E	6 pin	1.08	.83	.76	.69	Quote
161-2608	E	8 pin	1.17	.90	.82	.75	
161-2609	E	9 pin	1.41	1.09	.99	.90	

Panel Mount Mini-DIN Receptacles

161-381/3	F	3 pin	1.44	1.31	1.09	.84	
161-381/4	F	4 pin	1.56	1.42	1.18	.91	Call
161-381/5	F	5 pin	1.65	1.50	1.25	.96	for
161-381/6	F	6 pin	1.77	1.61	1.34	1.03	Quote
161-381/8	F	8 pin	1.99	1.81	1.51	1.16	

KOBICONN DIN CONNECTORS



DIN Plugs

MOUSER STOCK NO.	Fig.	Description	Degrees of Arc	Color	Price Each 1	10	100	500	1
171-0273	A	3 pin with strain relief	180°	Black	.65	.44	.40	.36	
171-0275	A	5 pin with strain relief	180°	Black	.65	.44	.40	.36	
171-0276	A	6 pin with strain relief	240°	Black	.66	.51	.46	.42	
171-0278	A	8 pin with strain relief	270°	Black	.74	.58	.52	.47	
171-0288	A	8 pin with strain relief	270°	Gray	.74	.58	.52	.47	C
17DN100	B	5 pin with strain relief	180°	Gray	1.12	.94	.85	.77	
17DN101	B	5 pin with strain relief	180°	Black	1.12	.94	.85	.77	
17PP048	B	6 pin with strain relief	240°	Gray	1.33	1.11	1.01	.93	

Right Angle DIN Plugs

171-1051	C	5 pin with strain relief	180°	Gray	1.23	1.03	.94	.85	
171-1080	C	8 pin with strain relief	270°	Black	1.50	1.26	1.12	1.02	C

DIN Receptacles

161-0003	D	3 pin metal body	180°	- - -	.64	.61	.55	.48	
161-0005	D	5 pin metal body	180°	- - -	.68	.62	.56	.49	
161-0006	D	6 pin metal body	240°	- - -	.83	.75	.69	.62	
16PJ102	D	3 pin metal body	180°	- - -	1.03	.79	.72	.65	C
16DN100	D	5 pin metal body	180°	- - -	1.05	.81	.73	.66	
16PJ224	D	6 pin metal body	240°	- - -	1.20	.92	.84	.76	

PCB DIN Receptacles * Mates with 3 or 5 pins

* 161-0503	E	5 pin rt angle PCB mount	180°	- - -	.93	.71	.65	.59	
* 161-0504	F	5 pin unshielded	180°	- - -	.96	.80	.62	.56	
* 161-0505	G	5 pin shielded	180°	- - -	1.10	.92	.71	.65	
161-0507	F	8 pin unshielded	270°	- - -	.99	.91	.82	.75	C
161-0508	G	8 pin shielded	270°	- - -	1.08	.98	.89	.81	

YCON RIGHT ANGLE PCB RECEPTACLES

ully Shielded for good conductivity, grounding, and EMI/RFI protection
ates with standard and snap and lock plugs
ody Material: PBT Thermoplastic, UL94V-0 rated
ontact Material: Phosphor Bronze, Gold plated

- Shield Material: Brass, Tin/Lead plated
- Solder Tails: Tin/Lead over Nickel
- Operating Temperature: -25°C to +85°C

IDG Series

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Pin Count	Color	Price Each				
					1	25	100	500	1000
06-KMDG-3S-BS	KMDG-3S-BS	A	3	Black	.87	.82	.74	.59	.52
06-KMDG-4S-BS	KMDG-4S-BS	A	4	Black	.87	.82	.74	.59	.52
06-KMDG-4S-BS-99	KMDG-4S-BS-99	A	4	Pantone 123C Yellow	.97	.92	.82	.65	.58
06-KMDG-5S-BS	KMDG-5S-BS	A	5	Black	1.02	.97	.87	.69	.62
06-KMDG-6S-BS	KMDG-6S-BS	A	6	Black	.79	.75	.67	.53	.48
06-KMDG-6S-BS-2715C	KMDG-6S-BS-2715C	A	6	Pantone 2715C Purple	1.04	.99	.88	.70	.63
06-KMDG-6S-BS-3395C	KMDG-6S-BS-3395C	A	6	Pantone 3395C Green	1.04	.99	.88	.70	.63
06-KMDG-7S-BS	KMDG-7S-BS	A	7	Black	1.19	1.12	1.00	.80	.71
06-KMDG-8S-BS	KMDG-8S-BS	A	8	Black	1.11	1.05	.94	.74	.66
06-KMDG-9S-BS	KMDG-9S-BS	A	9	Black	1.19	1.12	1.00	.80	.71
06-KMDG-10S-BS	KMDG-10S-BS	A	10	Black	2.02	1.91	1.71	1.36	1.21
With GEO S-Video Port									
06-KMDG-GEO-7S-BS	KMDG-GEO-7S-BS	A	7	Black	1.19	1.12	1.00	.80	.71

eets PC99 specifications

YCON RIGHT ANGLE FERRITE FILTERED PCB RECEPTACLES

lly Shielded for good conductivity, grounding, and EMI/RFI protection
tes with standard and snap and lock plugs
dy Material: PBT Thermoplastic, UL94V-0 rated
ntact Material: Phosphor Bronze, Gold plated

- Contact Material: Phosphor Bronze, Gold plated
- Shield Material: Brass, Tin/Lead plated
- Solder Tails: Tin/Lead over Nickel
- Operating Temperature: -25°C to +85°C

MDG Series

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Pin Count	Color	Price Each				
					1	25	100	500	1000
6-KFMDG-3S-BS	KFMDG-3S-BS	A	3	Black	2.09	1.97	1.40	1.25	1.10
6-KFMDG-4S-BS	KFMDG-4S-BS	A	4	Black	2.05	1.94	1.37	1.23	1.08
6-KFMDG-5S-BS	KFMDG-5S-BS	A	5	Black	2.16	2.04	1.44	1.29	1.14
6-KFMDG-6S-BS	KFMDG-6S-BS	A	6	Black	2.12	2.00	1.42	1.27	1.12
6-KFMDG-7S-BS	KFMDG-7S-BS	A	7	Black	2.23	2.10	1.49	1.33	1.17
6-KFMDG-8S-BS	KFMDG-8S-BS	A	8	Black	2.16	2.04	1.44	1.29	1.14

YCON RIGHT ANGLE STACKED PCB RECEPTACLES

lly Shielded for good conductivity, grounding, and EMI/RFI protection
tes with standard and snap and lock plugs
dy Material: PBT Thermoplastic, UL94V-0 rated
ntact Material: Phosphor Bronze, Gold plated

- Shield Material: Brass, Tin/Lead plated
- Solder Tails: Tin/Lead over Nickel
- Operating Temperature: -25°C to +85°C

DG Series

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Pin Count	Color	Price Each				
					1	25	100	500	1000
06-KMDG-4S/4S-S4N	KMDG-4S/4S-S4N	B	4 over 4	Black	1.82	1.72	1.22	1.09	.96
06-KMDG-6S/6S-S4N	KMDG-6S/6S-S4N	B	6 over 6	Black	1.74	1.65	1.17	1.05	.92
06-KMDG-6SG/P-S4N	KMDG-6SG/P-S4N	B	6 over 6	Pantone 3395C Green over Pantone 2715C Purple	1.27	1.21	.86	.77	.68

eets PC99 Specifications

CON RIGHT ANGLE ROUNDED LOW PROFILE PCB RECEPTACLES

ntacts: Phosphor Bronze
Gold Flash on contacts
Tin/Lead on termination

- Body: PBT Thermoplastic, UL94V-0 rated
- Shield: SPCC, Tin plated
- Operating Temperature: -25°C to +85°C

DR Series

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Pin Count	Color	Price Each				
					1	25	100	500	1000
-KMDR-4S-BS	KMDR-4S-BS	C	4	Black	1.12	1.06	.76	.67	.59
-KMDR-6S-BS	KMDR-6S-BS	C	6	Black	1.20	1.14	.81	.72	.64
h GEO S-Video Port									
-KMDR-GEO-7S-BS	KMDR-GEO-7S-BS	C	7	Black	1.28	1.21	.86	.77	.68
-KMDR-GEO-9S-BS	KMDR-GEO-9S-BS	C	9	Black	1.36	1.28	.91	.81	.72

CON CABLE MOUNT PLUGS

rt Material: PBT Thermoplastic, UL94V-0 rated
l Material: PVC, UL94V-0 rated
tact Material: Brass, Silver plated

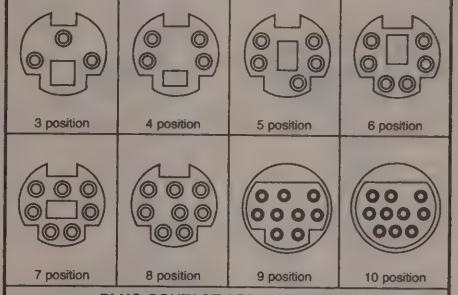
- Shield Material: Nickel plated Iron sheet
- Durability: 1500 Cycles
- Operating Temperature: -25°C to +80°C

A and KMDLA Series * 30µ" Gold Plated

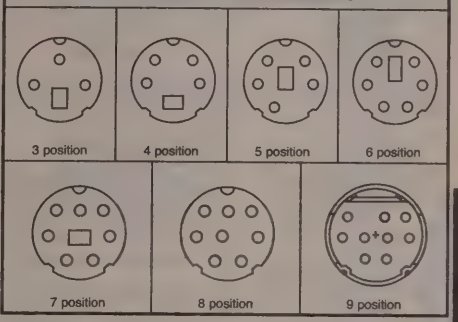
For quantities of 5000 and up, call for quote.

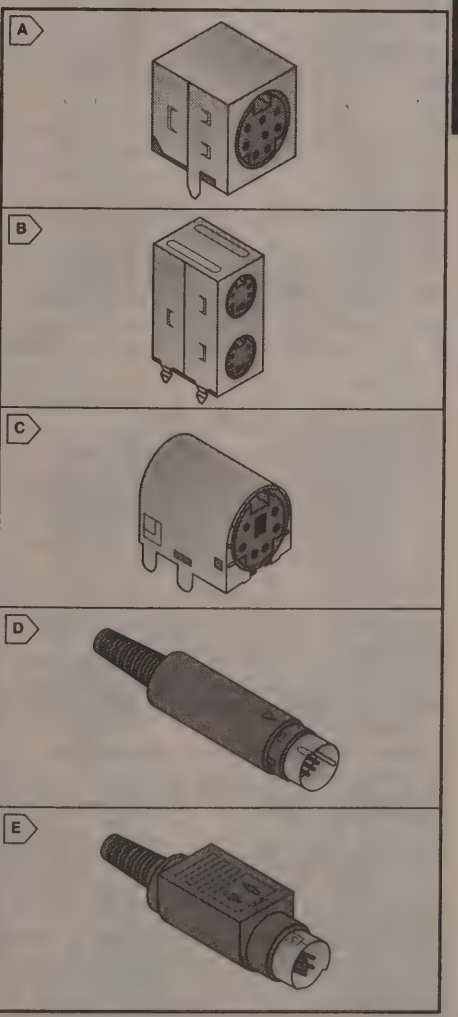
-KMDA-3P	KMDA-3P	D	3	Black	.92	.74	.56	.55	.48
-KMDA-4P	KMDA-4P	D	4	Black	1.06	.86	.65	.63	.56
-KMDA-5P	KMDA-5P	D	5	Black	1.20	.97	.73	.72	.63
-KMDA-6P	KMDA-6P	D	6	Black	1.27	1.03	.78	.76	.67
-KMDA-7P	KMDA-7P	D	7	Black	1.34	1.09	.82	.80	.71
-KMDA-8P	KMDA-8P	D	8	Black	1.41	1.14	.86	.85	.75
-KMDA-9P	KMDA-9P	D	9	Black	2.24	1.96	1.68	1.32	1.12
and Lock									
KMDLA-3P	KMDLA-3P	E	3	Black	2.97	2.60	2.23	1.75	Call
KMDLA-4P	KMDLA-4P	E	4	Black	2.14	2.75	2.36	1.84	
KMDLA-5P	KMDLA-5P	E	5	Black	3.31	2.89	2.48	1.94	
KMDLA-6P	KMDLA-6P	E	6	Black	3.48	3.05	2.61	2.04	
KMDLA-7P	KMDLA-7P	E	7	Black	3.65	3.19	2.74	2.14	
KMDLA-8P	KMDLA-8P	E	8	Black	3.82	3.34	2.87	2.24	

RECEPTACLE CONTACT ARRANGEMENTS



PLUG CONTACT ARRANGEMENTS





M12 / M8 THREADED CORD SETS

Features:

- Cable Jacket: (PUR) Polyurethane
- Cable Color: Black
- Connector Housing Color: Green
- Connector Interface: Threaded Metal

Specifications:

- Current Rating: 4A
- Temperature Range: -30° to 80°C
- IP-Degree: IP67 (IEC 60529)
- Voltage Rating: 320V
- Cable Diameter: 5.2mm

M12 - 4 Pin Wire Diagram (female)

M12 - 4 Pin Wire Color

Pos.	Col
1	Bro
2	Wh
3	Blu
4	Bla

M8 - 3 Pin Wire Diagram (female)

M8 - 3 Pin Wire Color

Pos.	Co
1	Bro
3	Blu
4	Bla

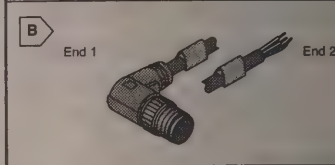
M12 Threaded Cord Sets

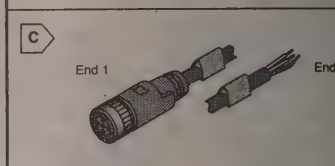
For quantities of 100 and up, call for quote.

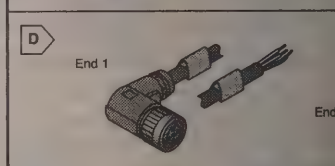
MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Fig.	Phoenix Contact Type	No. of Pos.	End 1	End 2	Length (m)	Price Each 1	Price Each 10	Price Each 25
Single-Ended Cord Sets - Straight Male Connector										
651	1668043	A	SAC-4P-M12MS/1,5-PUR	4	Straight Male	Open	1.5	14.05	13.35	10.89
651	1668056	A	SAC-4P-M12MS/3,0-PUR	4	Straight Male	Open	3.0	16.38	15.56	12.69
651	1668069	A	SAC-4P-M12MS/5,0-PUR	4	Straight Male	Open	5.0	19.55	18.57	15.15
651	1682993	A	SAC-4P-M12MS/10,0-PUR	4	Straight Male	Open	10.0	27.50	26.12	21.31
Single-Ended Cord Sets - Right Angle Male Connector										
651	1668166	B	SAC-4P-M12MR/1,5-PUR	4	Right Angle Male	Open	1.5	14.66	13.93	11.36
651	1668179	B	SAC-4P-M12MR/3,0-PUR	4	Right Angle Male	Open	3.0	16.99	16.14	13.17
651	1668182	B	SAC-4P-M12MR/5,0-PUR	4	Right Angle Male	Open	5.0	20.18	19.17	15.64
651	1694457	B	SAC-4P-M12MR/10,0-PUR	4	Right Angle Male	Open	10.0	28.11	26.70	21.78
Single-Ended Cord Sets - Straight Female Connector										
651	1668108	C	SAC-4P-1,5-PUR/M12FS	4	Straight Female	Open	1.5	14.42	13.70	11.17
651	1668111	C	SAC-4P- 3,0-PUR/M12FS	4	Straight Female	Open	3.0	16.74	15.91	12.98
651	1668124	C	SAC-4P- 5,0-PUR/M12FS	4	Straight Female	Open	5.0	19.92	18.92	15.43
651	1683002	C	SAC-4P-10.0-PUR/M12FS	4	Straight Female	Open	10.0	27.86	26.47	21.59
Single-Ended Cord Sets - Right Angle Female Connector										
651	1668221	D	SAC-4P-1,5-PUR/M12FR	4	Right Angle Female	Open	1.5	15.03	14.28	11.65
651	1668234	D	SAC-4P- 3,0-PUR/M12FR	4	Right Angle Female	Open	3.0	17.36	16.49	13.45
651	1668247	D	SAC-4P- 5,0-PUR/M12FR	4	Right Angle Female	Open	5.0	20.53	19.50	15.91
651	1681389	D	SAC-4P-10,0-PUR/M12FR	4	Right Angle Female	Open	10.0	28.47	27.05	22.06
Double-Ended Cord Sets - Straight Male / Straight Female Connectors										
651	1668357	E	SAC-4P-M12MS/0,3-PUR/M12FS	4	Straight Male	Straight Female	0.3	24.08	22.87	18.66
651	1668360	E	SAC-4P-M12MS/0,6-PUR/M12FS	4	Straight Male	Straight Female	0.6	24.56	23.33	19.03
651	1668373	E	SAC-4P-M12MS/1,5-PUR/M12FS	4	Straight Male	Straight Female	1.5	26.03	24.72	20.17
651	1668386	E	SAC-4P-M12MS/3,0-PUR/M12FS	4	Straight Male	Straight Female	3.0	28.35	26.94	21.97
Panel Mount Receptacles										
651	1693788	F	SACC-E-M12FS-4CON-PG 9/0.5	4	Female Panel	Open	0.5	15.04	14.29	11.66
651	1693762	G	SACC-E-M12MS-4CON-PG 9/0.5	4	Male Panel	Open	0.5	15.04	14.29	11.66

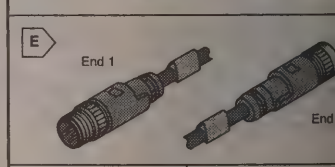
M8 Threaded Cord Sets

Single-Ended Cord Sets - Straight Male Connector										
651	1681664	A	SAC-3P-M 8MS/1.5-PUR	3	Straight Male	Open	1.5	10.29	9.02	8.75
651	1681677	A	SAC-3P-M 8MS/3,0-PUR	3	Straight Male	Open	3.0	11.85	10.39	10.08
651	1681680	A	SAC-3P-M 8MS/5,0-PUR	3	Straight Male	Open	5.0	13.93	12.21	11.85
Single-Ended Cord Sets - Right Angle Male Connector										
651	1681693	B	SAC-3P-M 8MR/1.5/PUR	3	Right Angle Male	Open	1.5	10.70	9.38	9.10
651	1681703	B	SAC-3P-M 8MR/3.0-PUR	3	Right Angle Male	Open	3.0	12.26	10.75	10.43
651	1681716	B	SAC-3P-M 8MR/5,0-PUR	3	Right Angle Male	Open	5.0	14.34	12.57	12.20
Single-Ended Cord Sets - Straight Female Connector										
651	1669712	C	SAC-3P- 1.5-PUR/M 8FS	3	Straight Female	Open	1.5	10.49	9.20	8.92
651	1669725	C	SAC-3P- 3,0-PUR/M 8FS	3	Straight Female	Open	3.0	12.05	10.56	10.25
651	1669628	C	SAC-3P- 5,0-PUR/M 8FS	3	Straight Female	Open	5.0	14.13	12.39	12.02
Single-Ended Cord Sets - Right Angle Female Connector										
651	1669738	D	SAC-3P- 1.5-PUR/M 8FR	3	Right Angle Female	Open	1.5	11.17	9.80	9.51
651	1669741	D	SAC-3P- 3,0-PUR/M 8FR	3	Right Angle Female	Open	3.0	12.73	11.17	10.83
651	1669631	D	SAC-3P- 5,0-PUR/M 8FR	3	Right Angle Female	Open	5.0	14.81	12.99	12.60
M8 Panel Mount Receptacles										
651	1500350	F	SACC-E-M-8FS-3CON-M8/0.5	3	Female Panel	Open	0.5	14.38	12.61	12.23
651	1500334	G	SACC-E-M-8MS-3CON-M8/0.5	3	Male Panel	Open	0.5	12.49	10.95	10.63









M12 / M8 QUICKON-ONE PLUG CONNECTORS

Features:

- QUICKON-ONE design allows rapid connector termination
- No Individual Wire IDC Wire Termination

Specifications:

- Current Rating: 4A
- IP-Degree: IP67 (IEC 60529)
- Voltage Rating: 125V AC
- Cable Diameter Range: 3.5-6mm

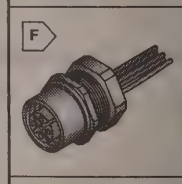
M12 Quickon-One Plug Connector

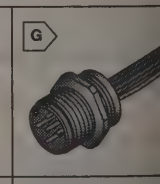
For quantities of 100 and up, call for quote.

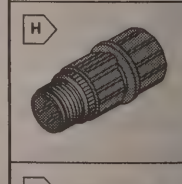
MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Fig.	Phoenix Contact Type	No. of Pos.	Cable Diameter	Mating Thread Material	AWG Range	Type	Price Each 1	Price Each 10	Price Each 25
651	1641714	H	SACC-M12MS-4QO-0.34	4	3.5 - 6mm	Plastic	26-22	Male	10.03	9.50	8.18
651	1641691	H	SACC-M12MS-4QO-0.34-M	4	3.5 - 6mm	Metal	26-22	Male	10.40	9.85	8.48
651	1641769	H	SACC-M12MS-4QO-0.75	4	3.5 - 6mm	Plastic	22-18	Male	10.03	9.50	8.18
651	1641785	H	SACC-M12MS-4QO-0.75-M	4	3.5 - 6mm	Metal	22-18	Male	10.40	9.85	8.48
651	1641701	I	SACC-M12FS-4QO-0.34	4	3.5 - 6mm	Plastic	26-22	Female	10.03	9.50	8.18
651	1641688	I	SACC-M12FS-4QO-0.34-M	4	3.5 - 6mm	Metal	26-22	Female	10.40	9.85	8.48
651	1641756	I	SACC-M12FS-4QO-0.75	4	3.5 - 6mm	Plastic	22-18	Female	10.03	9.50	8.18
651	1641772	I	SACC-M12FS-4QO-0.75-M	4	3.5 - 6mm	Metal	22-18	Female	10.40	9.85	8.48

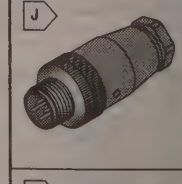
M8 Quickon-One Plug Connector

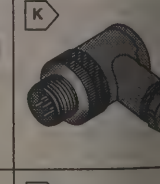
651	1506752	H	SACC-M 8MS-3PCON	3	3 - 5mm	Metal	26-22	Male	15.54	13.63	13.22
651	1506778	I	SACC-M 8FS-3PCON	3	3 - 5mm	Metal	26-22	Female	15.04	13.19	12.80

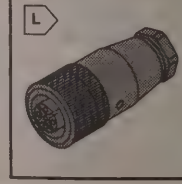












M12 / M8 PLUG CONNECTORS

Features:

- Right Angle Versions can be Swiveled
- Metal Threaded Knurls

Specifications:

- Current Rating: 4A
- IP-Degree: IP67 (IEC 60529)
- Voltage Rating: 125V AC
- AWG: 24-18

M12 Plug Connector

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Fig.	Phoenix Contact Type	No. of Pos.	Termination Type	Cable Diameter	Type	Price Each 1	Price Each 10	Price Each 25
651	1662528	J	SACC-M12MS-4CON-PG7-M	4	Screw	4-6 mm	Straight Male	12.95	12.30	10.03
651	1681101	K	SACC-M12MR-4CON-PG7-M	4	Screw	4-6 mm	Right Angle Male	12.95	12.30	10.03
651	1681127	L	SACC-M12FS-4CON-PG7-M	4	Screw	4-6 mm	Straight Female	12.95	12.30	10.03
651	1681143	M	SACC-M12FR-4CON-PG7-M	4	Screw	4-6 mm	Right Angle Female	12.95	12.30	10.03

M8 Plug Connector

651	1681156	H	SACC-M8MS-3CON-M	3	Solder	3.5-5 mm	Straight Male	11.01	9.65	9.37
651	1501252	H	SACC-M8MS-3CON-M-SW	3	Screw	3.5-5 mm	Straight Male	13.52	11.85	11.50
651	1681172	I	SACC-M8FS-3CON-M	3	Solder	3.5-5 mm	Straight Female	11.01	9.65	9.37
651	1506888	I	SACC-M8FS-3CON-M-SW	3	Screw	3.5-5 mm	Straight Female	13.15	11.53	11.19

PHOENIX CONTACT SPEEDCON Connectors and Sensor Boxes

PHOENIX CONTACT
INSPIRING INNOVATIONS

M12 SPEEDCON CORD SETS

Features:

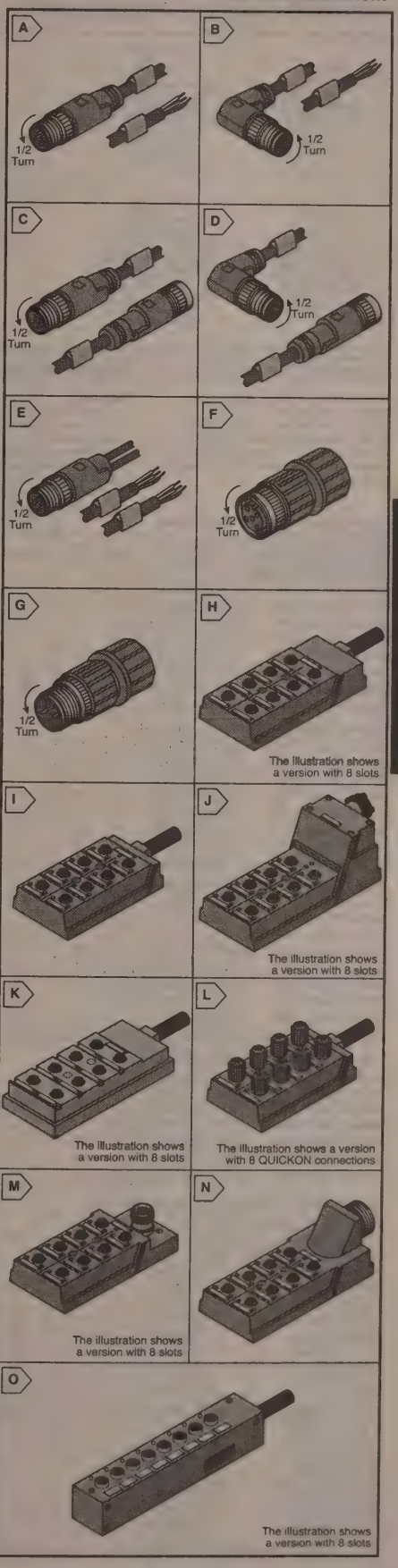
- Simple 1/2 turn connection
- Compatible with all M12 standard threading
- 90% time savings over standard M12
- No special adapters required

Specifications:

- Current Rating: 4A
- Temperature Range: -25° to 90° C
- IP-Degree: IP65 & IP67
- Voltage Rating: 300V/125V(5 pos)
- Cable Diameter: 5.2mm

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Contact Type	No. of Pos.	End 1	End 2	Length (mm)	Price Each 1	10	25
Single Ended Cord Sets-Straight									
651—1518643	A	SAC-3P-MS/ 1.5-PUR SCO	3	Straight Male	Open	1.5	10.91	9.57	9.01
651—1518656	A	SAC-3P-MS/ 3.0-PUR SCO	3	Straight Male	Open	3.0	12.57	11.02	10.38
651—1518669	A	SAC-3P-MS/ 5.0-PUR SCO	3	Straight Male	Open	5.0	14.85	13.03	12.27
651—1518805	A	SAC-4P-MS/ 1.5-PUR SCO	4	Straight Male	Open	1.5	11.95	10.48	9.87
651—1518818	A	SAC-4P-MS/ 3.0-PUR SCO	4	Straight Male	Open	3.0	13.93	12.21	11.50
651—1518960	A	SAC-5P-MS/ 1.5-PUR SCO	5	Straight Male	Open	1.5	12.78	11.20	10.55
651—1518973	A	SAC-5P-MS/ 3.0-PUR SCO	5	Straight Male	Open	3.0	14.97	13.12	12.36
Single Ended Cord Sets-Right Angle									
651—1518685	B	SAC-3P-MR/1.5-PUR SCO	3	Rht Ang Male	Open	1.5	11.43	10.02	9.44
651—1518698	B	SAC-3P-MR/ 3.0-PUR SCO	3	Rht Ang Male	Open	3.0	13.09	11.48	10.81
651—1518847	B	SAC-4P-MR/ 1.5-PUR SCO	4	Rht Ang Male	Open	1.5	12.47	10.93	10.30
651—1518850	B	SAC-4P-MR/ 3.0-PUR SCO	4	Rht Ang Male	Open	3.0	14.45	12.67	11.93
651—1519008	B	SAC-5P-MR/ 1.5-PUR SCO	5	Rht Ang Male	Open	1.5	13.30	11.66	10.98
Double Ended Cord Sets-Straight									
651—1518740	C	SAC-3P-MS/ 1.5-PUR/FS SCO	3	Straight Male	Straight Female	1.5	20.36	17.85	16.82
651—1518753	C	SAC-3P-MS/ 3.0-PUR/FS SCO	3	Straight Male	Straight Female	3.0	22.09	19.37	18.25
651—1518902	C	SAC-4P-MS/ 1.5-PUR/FS SCO	4	Straight Male	Straight Female	1.5	22.13	19.40	18.28
651—1518915	C	SAC-4P-MS/ 3.0-PUR/FS SCO	4	Straight Male	Straight Female	3.0	24.11	21.14	19.91
651—1519066	C	SAC-5P-MS/ 1.5-PUR/FS SCO	5	Straight Male	Straight Female	1.5	23.35	20.48	19.29
651—1519079	C	SAC-5P-MS/ 3.0-PUR/FS SCO	5	Straight Male	Straight Female	3.0	25.87	22.69	21.37
Double Ended Cord Sets-Right Angle / Straight									
651—1518782	D	SAC-3P-MR/ 1.5-PUR/FS SCO	3	Rht Ang Male	Straight Female	1.5	20.88	18.31	17.25
651—1518795	D	SAC-3P-MR/ 3.0-PUR/FS SCO	3	Rht Ang Male	Straight Female	3.0	22.55	19.77	18.63
Y CABLES									
651—1524200	E	SAC-3P-Y/2X 1.5-PUR SCO	2 x 3	Straight Male	Open	1.5	17.14	15.03	14.06
651—1524213	E	SAC-3P-Y/2X-3.0-PUR SCO	2 x 3	Straight Male	Open	3.0	20.47	17.95	16.91



M12 SPEEDCON QUICKON-ONE PLUG CONNECTORS

Features:

- QUICKON-ONE design allows rapid connector termination
- No individual wire stripping is required
- SPEEDCON wire termination

Specifications:

- Current Rating: 4A
- Voltage Rating: 125V
- IP-Degree: IP65 & IP67
- Cable Diameter Range: 4 to 7.5mm

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Contact Type	No. of Pos.	Mating Thread Material	Type	AWG Range	Price Each 1	10	25
651—1521588	F	SACC-M12FS-4QO-0.34-M SCO	4	Metal	Straight Female	26-22	10.99	9.64	9.08
651—1521601	F	SACC-M12FS-4QO-0.75-M SCO	4	Metal	Straight Female	22-18	10.99	9.64	9.08
651—1521575	G	SACC-M12MS-4QO-0.34-M SCO	4	Metal	Straight Male	26-22	10.99	9.64	9.08
651—1521591	G	SACC-M12MS-4QO-0.75-M SCO	4	Metal	Straight Male	22-18	10.99	9.64	9.08

SENSOR/ACTUATOR BOXES

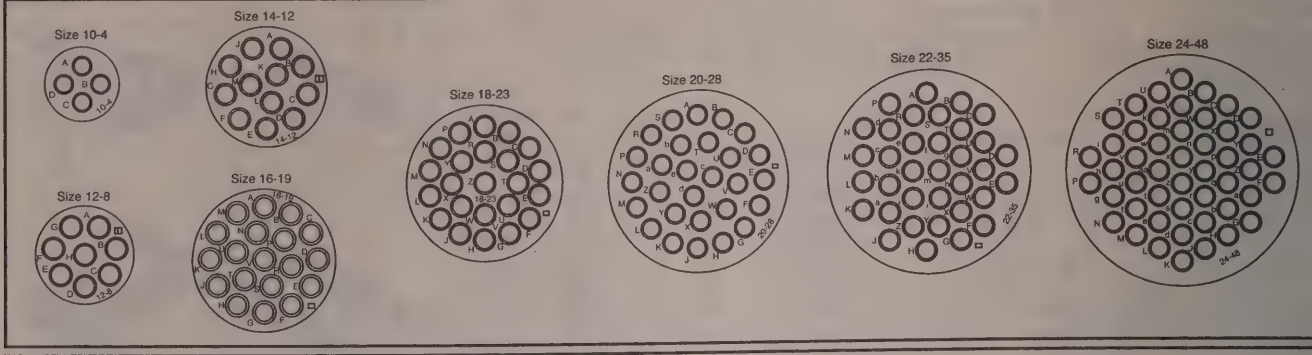
SACB sensor/actuator boxes set new standards in distributed field cabling when it comes to space. Ideal use of space guaranteed by the extremely flat design. The boxes are offered in a variety of styles to accommodate any application.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Contact Type	No. of Slots	Master Cable Length (m)	Slot Type	No. of Pos.	With LED	Price Each 1	10
M12 BOXES									
651—1680885	H	SACB-4/8-5,0PUR 120V	4	5 m	Double-Occupied	5	-	95.10	81.51
651—1680911	H	SACB-6/12-10,0PUR 120V	6	10 m	Double-Occupied	5	-	170.97	146.55
651—1680982	H	SACB-8/8- 5.0PUR	8	5 m	Single-Occupied	4	-	114.32	97.99
651—1695171	I	SACB-8/8-L-10.0PUR	8	10 m	Single-Occupied	4	LED	161.87	138.74
651—1695207	I	SACB 8/16 L 10.0 PUR	8	10 m	Double-Occupied	5	LED	202.34	173.43
M12 BOX with PLUGGABLE MASTER CABLE CONNECTION									
651—1692352	J	SACB-4/8-L-C	4	-	Double-Occupied	5	LED	86.00	73.71
M12 SHIELDED BOX									
651—1695786	K	SACB-4/8-5.0PUR SH	4	5 m	Double-Occupied	5	-	223.81	191.84
M12 SENSOR/ACTUATOR BOXES with QUICKON CONNECTION SETS									
651—1695223	L	SACB-4Q/4P-L-5,0PUR	4	5 m	QUICKON	4	LED	103.19	88.45
651—1695252	L	SACB-6Q/4P-L-5,0PUR	6	5 m	QUICKON	4	LED	133.54	114.46
651—1683701	L	SACB-8Q/4P-5.0 PUR 120V	8	5 m	QUICKON	4	LED	136.57	117.06
M12 SENSOR/ACTUATOR BOXES with M23 PLUG CONNECTION									
651—1692433	M	SACB-6/12-L-M23	6	-	Double-Occupied	5	LED	124.44	106.66
651—1692721	N	SACB-8/16-L-M23-180	8	-	Double-Occupied	5	LED	145.63	124.82
M8 SENSOR/ACTUATOR BOXES									
651—1692501	O	SACB-8/3-L-5.0 PUR M8	8	5 m	-	3	LED	127.97	109.69
651—1692527	O	SACB-10/3-L-5.0PUR M8	10	5 m	-	3	LED	149.93	128.51

SOURIAU TRIM TRIO™ Circular Connectors

TRIM TRIO™ INSERT ARRANGEMENTS



TRIM TRIO™ CIRCULAR CONNECTORS

Plastic Circular Trim Trio™ Connectors with Metal Coupling System
"UTG" Metalok Bantam plastic industrial circular connectors with metal coupling are a range of multiway connectors to provide the complete answer to the need for light weight, robust circular connectors.

Features:
- Accepts TRIM-TRIO removeable snap lock contacts; sold separately
- UL approved-file Nr.: E31151
- Metal bayonet ring:
  - Metal wave spring loaded
  - Locks with audible positive "click"
  - Assures 500 matings and unmatings
- Intermateable, interchangeable and intermountable with Trim Trio "UTO" and "UTP" industrial connector families

Materials:
- Body: Glass filled thermoplastic UL94V-0
- Color: Black
- Coupling Ring: Nickel plated brass
- Tri-locking pins: Stainless steel
- Coupling spring: Spring steel

Specifications:
- IP Degree: IP67
- Operating temperature: -55 ° C to +125 °
- Test potential: 2000 VAC
- Durability: 500 matings and unmatings

Cable Plugs (for Pin Contacts)

For quantities of 100 and up, call for quote.

Mouser Stock No.	Souriau Part No.	Fig.	Shell Size	Contacts	Dimensions (mm) A	Dimensions (mm) B	Price Each 1	10	25	50
649-UTG6104PN	UTG610-4PN	A	10	4	21.6	31.8	12.67	10.56	9.94	9.05
649-UTG612-8PN	UTG612-8PN	A	12	8	24.8	31.8	11.79	10.14	9.56	8.45
649-UTG61412PN	UTG614-12PN	A	14	12	28.0	31.8	12.73	10.56	9.94	8.89
649-UTG616-19PN	UTG616-19PN	A	16	19	31.2	31.8	14.89	12.61	11.62	10.20
649-UTG618-23PN	UTG618-23PN	A	18	23	34.3	31.8	16.17	13.41	12.38	11.70
649-UTG620-28PN	UTG620-28PN	A	20	28	27.5	31.8	18.26	15.93	14.40	13.61
649-UTG622-35PN	UTG622-35PN	A	22	35	40.7	31.8	24.27	21.00	19.41	17.65
649-UTG624-48PN	UTG624-48PN	A	24	48	43.9	31.8	24.27	21.00	19.41	17.65

Cable Plugs (for Socket Contacts)

649-UTG610-4SN	UTG610-4SN	B	10	4	21.6	23.9	12.73	10.56	9.75	8.74
649-UTG612-8SN	UTG612-8SN	B	12	8	24.8	23.9	12.73	10.56	9.75	8.89
649-UTG614-12SN	UTG614-12SN	B	14	12	28.0	23.9	12.73	10.56	9.94	8.89
649-UTG616-19SN	UTG616-19SN	B	16	19	31.2	23.9	14.89	12.61	11.62	10.22
649-UTG618-23SN	UTG618-23SN	B	18	23	34.3	23.9	16.17	14.15	12.93	11.76
649-UTG620-28SN	UTG620-28SN	B	20	28	37.5	24.9	18.81	15.93	14.68	13.61
649-UTG622-35SN	UTG622-35SN	B	22	35	40.7	24.9	24.15	21.00	19.41	17.65
649-UTG624-48SN	UTG624-48SN	B	24	48	43.9	26.2	24.27	21.00	19.41	17.65

Wall-Mounting Receptacles (for Pin Contacts)

649-UTG010-4P	UTG010-4P	C	10	4	23.8	31.7	6.69	5.95	5.35	4.86
649-UTG012-8P	UTG012-8P	C	12	8	26.2	31.7	6.94	6.17	5.56	5.06
649-UTG014-12P	UTG014-12P	C	14	12	28.6	31.7	6.99	6.22	5.60	5.09
649-UTG016-19P	UTG016-19P	C	16	19	31.0	31.7	8.17	7.27	6.54	5.95
649-UTG018-23P	UTG018-23P	C	18	23	33.3	31.7	9.33	8.29	7.47	6.78
649-UTG020-28P	UTG020-28P	C	20	28	36.5	33.3	10.73	9.77	8.79	8.00
649-UTG022-35P	UTG022-35P	C	22	35	39.7	33.1	12.38	11.00	9.90	9.00
649-UTG024-48P	UTG024-48P	C	24	48	42.9	33.3	13.20	11.73	10.56	9.60

Wall-Mounting Receptacles (for Socket Contacts)

649-UTG010-4S	UTG010-4S	D	10	4	23.8	24.3	6.69	5.95	5.35	4.86
649-UTG012-8S	UTG012-8S	D	12	8	26.2	24.3	6.94	6.17	5.56	5.06
649-UTG014-12S	UTG014-12S	D	14	12	28.6	24.3	6.99	6.22	5.60	5.09
649-UTG016-19S	UTG016-19S	D	16	19	31.0	24.3	8.17	7.27	6.54	5.95
649-UTG018-23S	UTG018-23S	D	18	23	33.3	24.3	9.33	8.29	7.47	6.78
649-UTG020-28S	UTG020-28S	D	20	28	36.5	27.0	11.22	9.97	8.97	8.16
649-UTG022-35S	UTG022-35S	D	22	35	39.7	28.0	12.63	11.23	10.10	9.19
649-UTG024-48S	UTG024-48S	D	24	48	42.9	30.4	13.46	11.96	10.76	9.79

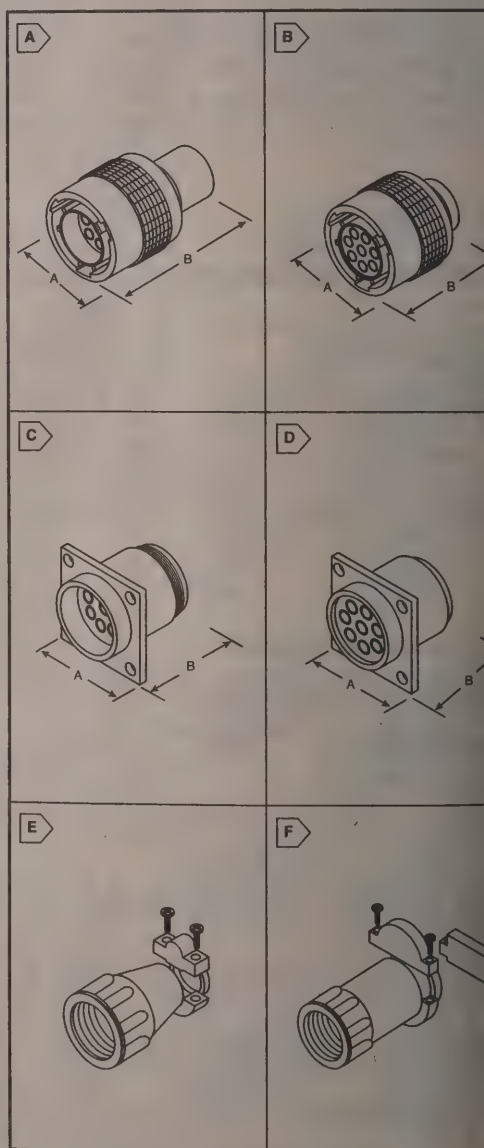
Plastic Cable Clamp with Strain Relief

For quantities of 100 and up, call for quote.

Mouser Stock No.	Souriau Part No.	Fig.	Shell Size	Price Each 1	10	25	50
649-UTG10AC	UTG10AC	E	10	7.51	6.67	6.01	4.93
649-UTG12AC	UTG12AC	E	12	7.10	6.31	5.68	5.17
649-UTG14AC	UTG14AC	E	14	7.18	5.74	4.88	4.07
649-UTG16AC	UTG16AC	E	16	7.69	6.83	6.15	5.59
649-UTG18AC	UTG18AC	E	18	8.05	7.16	6.44	5.85
649-UTG20AC	UTG20AC	E	20	9.73	8.51	7.57	6.80
649-UTG22AC	UTG22AC	E	22	10.31	9.02	8.02	7.22
649-UTG24AC	UTG24AC	E	24	9.51	8.45	7.61	6.91

Plastic Cable Clamp with Strain Relief Nut for Waterprotected Applications

649-UTG10PG	UTG10PG	F	10	8.71	7.75	6.97	6.34
649-UTG12PG	UTG12PG	F	12	9.02	8.02	7.22	6.56
649-UTG14PG	UTG14PG	F	14	10.13	8.10	6.89	5.67
649-UTG16PG	UTG16PG	F	16	10.79	9.59	8.63	7.85
649-UTG18PG	UTG18PG	F	18	11.10	9.86	8.87	8.07
649-UTG20PG	UTG20PG	F	20	12.50	10.03	9.79	9.27
649-UTG22PG	UTG22PG	F	22	12.98	10.69	10.16	9.62
649-UTG24PG	UTG24PG	F	24	16.07	14.28	12.85	11.69



SOURIAU TRIM TRIO™ Contacts and Tooling

SOURIAU
Connection Technology

RIM TRIO™ SIZE 16 FORMED CONTACTS

16 - 1.6mm (.063") diameter contacts are two piece formed crimp snap-in pin and sockets. Any TRIM TRIO™ contact can be used in any contact postion in connector in the TRIM TRIO™ Interconnection system.

tures:
- lade from high conductive copper alloy with gold or tin over nickel plate finish
- wo piece construction with dual purpose spring which serves for contact tention and protects the body against damage
- uitable for high volumes and lower installation cost

Specifications:
- Contact body: High conductive copper alloy
- Outer spring: Stainless steel
- Current rating: 13 amp

rmed Pin Contacts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Wire Size	Plating	Insulation Diameter (mm)	Wire Strip Length (mm)	Price Each 1	10	25	50
9-SM16ML1S6	SM16ML1S6	A	18-16 AWG	30µ" Gold	3.0	6.35	1.25	1.10	.85	.75
9-SM20ML1S6	SM20ML1S6	A	22-20 AWG	30µ" Gold	1.17-2.08	4.00	1.26	1.16	.95	.68
9-SM16ML-1D70	SM16ML-1D70	A	18-16 AWG	5µ" Gold	3.0	6.35	.68	.59	.54	.46
9-SM20ML-1D70	SM20ML-1D70	A	22-20 AWG	5µ" Gold	1.17-2.08	4.00	.61	.54	.48	.41
9-SM14ML-1TK6	SM14ML-1TK6	A	14 AWG	Tin	3.2	6.35	.37	.32	.29	.25
9-SM16ML-1TK6	SM16ML-1TK6	A	18-16 AWG	Tin	3.0	6.35	.38	.33	.30	.27
9-SM20ML-1TK6	SM20ML-1TK6	A	22-20 AWG	Tin	1.17-2.08	4.00	.38	.33	.30	.27
9-SM24ML-1TK6	SM24ML-1TK6	A	26-24 AWG	Tin	.89-1.58	4.00	.35	.31	.27	.24

rmed Socket Contacts

9-SC14ML1S6	SC14ML1S6	B	14 AWG	30µ" Gold	3.2	6.35	1.45	1.31	1.00	.85
9-SC16ML1S6	SC16ML1S6	B	18-16 AWG	30µ" Gold	3.0	6.35	1.45	1.31	1.00	.85
9-SC20ML1S6	SC20ML1S6	B	22-20 AWG	30µ" Gold	1.17-2.08	4.00	1.10	.97	.88	.79
9-SC24ML1S6	SC24ML1S6	B	26-24 AWG	30µ" Gold	.89-1.58	4.00	1.10	.97	.88	.79
9-SC16ML1D70	SC16ML1D70	B	18-16 AWG	5µ" Gold	3.0	3.65	.75	.66	.60	.54
9-SC20ML1D70	SC20ML1D70	B	22-20 AWG	5µ" Gold	1.17-2.08	4.00	.68	.59	.54	.49
9-SC16ML1TK6	SC16ML1TK6	B	18-16 AWG	Tin	3.0	3.65	.44	.38	.35	.31
9-SC20ML1TK6	SC20ML1TK6	B	22-20 AWG	Tin	1.17-2.08	4.00	.55	.48	.44	.30
9-SC24ML1TK6	SC24ML1TK6	B	26-24 AWG	Tin	.89-1.58	4.00	.55	.48	.44	.30

RIM TRIO™ SIZE 16 MACHINED CONTACTS

tures:
- ade from high conductive copper alloy with gold or tin over nickel plate finish
- ny TRIM TRIO™ contact can be used in any contact postion in any connector the TRIM TRIO™ interconnection system.
- eat-treated beryllium copper locking springs assure proper locking and alignment contacts in the housing
- osed entry design on RC socket contact to prevent probe damage

Specifications:
- Contact body: High conductive copper alloy
- Outer spring: Tempered, heat-treated, beryllium copper
- Inner spring socket: Tempered, heat-treated, plated beryllium copper
- Current rating: 13 amp

chined Pin Contacts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Wire Size	Plating	Maximum Wire Dia. (mm)	Maximum Insulation Dia. (mm)	Wire Strip Length	Price Each 1	10	25	50
9-RM20M12D28	RM20M12D28	A	22-20 AWG	30µ" Gold	1.18	2.2	4.8	2.07	1.85	1.64	1.48
9-RM16M23D28	RM16M23D28	A	20-16 AWG	30µ" Gold	1.8	3.2	7.1	1.05	.94	.91	.88

chined Socket Contacts

9-RC28M1D28	RC28M1D28	B	30-28 AWG	30µ" Gold	0.55	1.1	4.8	2.78	2.64	2.50	2.36
9-RC24M9D28	RC24M9D28	B	26-24 AWG	30µ" Gold	0.8	1.6	4.8	2.25	1.94	1.84	1.71
9-RC20M12D28	RC20M12D28	B	22-20 AWG	30µ" Gold	1.18	2.2	4.8	2.87	2.70	2.56	2.43
9-RC16M23D28	RC16M23D28	B	20-16 AWG	30µ" Gold	1.8	3.2	7.1	1.58	1.42	1.36	1.32

IM TRIO™ SIZE 16 MONOCRIMP SUBMINIATURE COAXIAL CONTACTS

Piece Contacts for Subminiature Coaxial Cables

ures:
- e monocrimp one-piece coaxial contacts offer reliability plus the economic advantage a 95% reduction in installation time over conventional assembly methods.
- y TRIM TRIO™ contact can be used in any contact postion in any connector in the IM TRIO™ Interconnection system.

ng:
- taining spring plating: Nickel plated
- er and outer contacts: 0.75µ" Gold min. over Nickel

Materials:
- Inner and outer contacts: High conductive copper alloy
- Retaining spring: Beryllium copper
- Insulating bushing: Polyamide 6.6

Specifications:
- Operating temperature: -55°C + 125°C
- Isolation @ 30MHZ: 140db

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Gender	Wire Size	Cable Type	Price Each 1	10	25	50
-RMDX6032D28	RMDX6032D28	C	Male	28	RG174/U	15.31	13.47	12.25	11.02
-RMDX60-36D28	RMDX60-36D28	C	Male	26	RG188/U	13.03	11.46	10.42	9.66
-RMDX6050D28	RMDX6050D28	C	Male	30	RG178B/U	13.93	12.26	11.14	10.31
-RCDX6016D28	RCDX6016D28	D	Female	30	RG178B/U	10.15	8.93	8.12	7.51
-RCDX6032D28	RCDX6032D28	D	Female	28	RG174/U	11.15	9.81	8.92	8.03
-RCDX6036D28	RCDX6036D28	D	Female	26	RG188/U	10.79	9.50	8.63	7.77

M TRIO™ MULTIPIECE SUBMINIATURE COAXIAL CONTACT KITS

For quantities of 5 and up, call for quote.

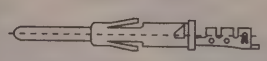
MOUSER STOCK NO.	Souriau Part No.	Fig.	Gender	Description	Price Each
RMDXK10D28	RMDXK10D28	E	Pin/Male	Includes RMDX602D28, RFD26L1D28, YOC074, and RMDXB0553	10.69
RCDXK1D28	RCDXK1D28	F	Socket/Female	Includes RCDX602D28, RMD26L1D28, YOC074, and RCDXB0551	15.21

OLING

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Description	Price Each
M8ND	M8ND	G	"N" Hand Rachet for Size 16 machined and formed contacts	788.00
Y14MTV	Y14MTV	H	Lightweight Crimptool w/3 groove die set for Size 16 formed contacts	210.00
Y16RCM	Y16RCM	H	Lightweight Crimptool w/3 groove die set for Size 16 machined contacts	599.00
RX2025GE1	RX2025GE1	I	Extraction tool	40.00

A



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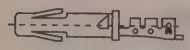

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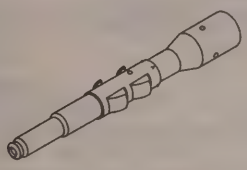

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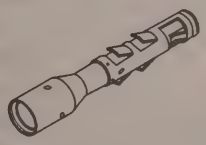

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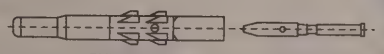

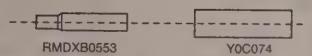

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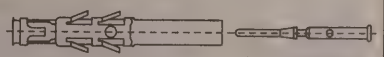

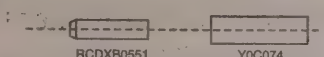

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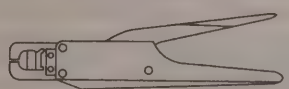

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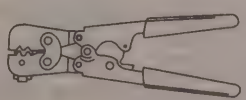


I

Circular Connectors

Souriau

JBX MINIATURE PUSH/PULL CONNECTORS

Designed to provide quick, reliable, high density interconnections of wire and cable.

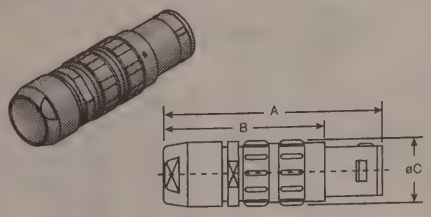
Features:

- Mechanically keyed to ensure correct polarization and alignment
- High contact density in a small space
- Contact termination in crimp or solder contacts
- Removable contacts
- Fully compatible and intermateable with Lemo's B series

Specifications:

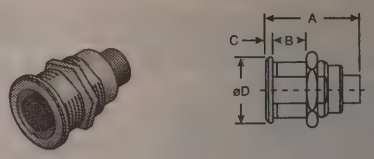
- Shell Material: Brass
- Socket Contact Material: Cupro-nickel
- Socket Plating Material: Gold
- Pin Contact Material: Brass
- Pin Plating Material: Gold
- Insulator Material: Fortron
- Shielded from 55dB up to 100 MHz
- Endurance: >1000 cycles per MIL-STD1344AD
- Temperature Range: -50°C; +125°C
- Protection Index: IP 40

Straight Cable Plug



Shell Size	Dimensions mm (IN)		
	A	B	øC
0	39 (1.536)	29 (1.142)	10 (.394)
1	45 (1.773)	34 (1.339)	12 (.472)
2	52 (2.048)	40 (1.576)	15 (.591)

Fixed Panel Receptacle



Shell Size	Dimensions mm (IN)			
	A	B	C	øD
0	19 (.748)	8 (.315)	1.2 (.047)	10 (.394)
1	21 (.827	10 (.394)	1.5 (.059)	14 (.551)
2	24 (.945)	10 (.394)	1.8 (.070)	18 (.709)

Cable Plug Solder Contacts

Panel Receptacles Solder Contacts

For quantities o and up, call for q

Shell Size	No. of Contacts	ø Contact	Wire Size	Current Rating	MOUSER STOCK NO.	Souriau Part No.	Price Each 1	10	25	MOUSER STOCK NO.	Souriau Part No.	Price Each 1	10	2
0	2	0.9	24	10.0 A	649-JBXFD0G02MSSDSR	JBXFD0G02MSSDSR	19.36	18.39	17.42	649-JBXER0G02FSSDSR	JBXER0G02FSSDSR	19.82	17.30	15
0	3	0.9	24	8.0 A	649-JBXFD0G03MSSDSR	JBXFD0G03MSSDSR	20.48	19.46	18.43	649-JBXER0G03FSSDSR	JBXER0G03FSSDSR	16.63	15.80	14
0	4	0.7	26	7.0 A	649-JBXFD0G04MSSDSR	JBXFD0G04MSSDSR	21.56	20.48	19.40	649-JBXER0G04FSSDSR	JBXER0G04FSSDSR	17.77	16.83	15
0	5	0.7	26	6.5 A	649-JBXFD0G05MSSDSR	JBXFD0G05MSSDSR	21.77	18.99	18.30	649-JBXER0G05FSSDSR	JBXER0G05FSSDSR	20.71	18.82	17
1	3	1.3	20	12.0 A	649-JBXFD1G03MSSDSR	JBXFD1G03MSSDSR	27.94	25.04	23.79	649-JBXER1G03FSSDSR	JBXER1G03FSSDSR	21.82	20.73	19
1	4	0.9	24	10.0 A	649-JBXFD1G04MSSDSR	JBXFD1G04MSSDSR	28.97	26.34	25.02	649-JBXER1G04FSSDSR	JBXER1G04FSSDSR	23.08	21.93	20
1	5	0.9	24	9.0 A	649-JBXFD1G05MSSDSR	JBXFD1G05MSSDSR	30.38	27.62	26.24	649-JBXER1G05FSSDSR	JBXER1G05FSSDSR	24.32	23.10	21
1	6	0.7	26	7.0 A	649-JBXFD1G06MSSDSR	JBXFD1G06MSSDSR	31.81	29.92	27.47	649-JBXER1G06FSSDSR	JBXER1G06FSSDSR	25.58	24.30	23
1	7	0.7	26	7.0 A	649-JBXFD1G07MSSDSR	JBXFD1G07MSSDSR	33.22	30.20	28.69	649-JBXER1G07FSSDSR	JBXER1G07FSSDSR	26.30	24.87	22
1	8	0.7	26	7.0 A	649-JBXFD1G08MSSDSR	JBXFD1G08MSSDSR	34.65	31.50	29.93	649-JBXER1G08FSSDSR	JBXER1G08FSSDSR	31.82	26.04	23
2	5	1.3	20	14.0 A	649-JBXFD2G05MSSDSR	JBXFD2G05MSSDSR	46.53	43.30	40.19	649-JBXER2G05FSSDSR	JBXER2G05FSSDSR	34.29	28.75	27
2	7	1.3	20	11.0 A	649-JBXFD2G07MSSDSR	JBXFD2G07MSSDSR	50.42	45.84	43.55	649-JBXER2G07FSSDSR	JBXER2G07FSSDSR	38.08	32.05	30
2	10	0.9	24	8.0 A	649-JBXFD2G10MSSDSR	JBXFD2G10MSSDSR	54.34	49.40	46.93	649-JBXER2G10FSSDSR	JBXER2G10FSSDSR	42.11	38.28	36
2	12	0.7	26	7.0 A	649-JBXFD2G12MSSDSR	JBXFD2G12MSSDSR	58.23	52.94	50.29	649-JBXER2G12FSSDSR	JBXER2G12FSSDSR	46.00	41.82	39
2	16	0.7	26	6.0 A	649-JBXFD2G16MSSDSR	JBXFD2G16MSSDSR	66.04	60.04	57.04	649-JBXER2G16FSSDSR	JBXER2G16FSSDSR	53.81	49.92	46
2	19	0.7	26	5.0 A	649-JBXFD2G19MSSDSR	JBXFD2G19MSSDSR	73.88	67.16	63.80	649-JBXER2G19FSSDSR	JBXER2G19FSSDSR	61.64	56.04	53

Cable Plug Crimp Contacts

Panel Receptacles Crimp Contacts

For quantities o and up, call for q

Shell Size	No. of Contacts	ø Contact	Wire Size	Current Rating	MOUSER STOCK NO.	Souriau Part No.	Price Each 1	10	25	MOUSER STOCK NO.	Souriau Part No.	Price Each 1	10	2
0	2	0.9	20	10.0 A	649-JBXFD0G02MCSDSR	JBXFD0G02MCSDSR	19.36	18.39	17.42	649-JBXER0G02FCSDSR	JBXER0G02FCSDSR	19.82	17.30	15
0	3	0.9	20	8.0 A	649-JBXFD0G03MCSDSR	JBXFD0G03MCSDSR	20.48	19.46	18.43	649-JBXER0G03FCSDSR	JBXER0G03FCSDSR	16.63	15.80	14
0	4	0.7	22	7.0 A	649-JBXFD0G04MCSDSR	JBXFD0G04MCSDSR	21.56	20.48	19.40	649-JBXER0G04FCSDSR	JBXER0G04FCSDSR	17.77	16.83	15
0	5	0.7	22	6.5 A	649-JBXFD0G05MCSDSR	JBXFD0G05MCSDSR	22.66	21.53	20.39	649-JBXER0G05FCSDSR	JBXER0G05FCSDSR	18.82	17.88	16
1	3	1.3	18	12.0 A	649-JBXFD1G03MCSDSR	JBXFD1G03MCSDSR	27.54	25.04	23.79	649-JBXER1G03FCSDSR	JBXER1G03FCSDSR	21.82	20.73	19
1	4	0.9	20	10.0 A	649-JBXFD1G04MCSDSR	JBXFD1G04MCSDSR	28.97	26.34	25.02	649-JBXER1G04FCSDSR	JBXER1G04FCSDSR	23.08	21.93	20
1	5	0.9	20	9.0 A	649-JBXFD1G05MCSDSR	JBXFD1G05MCSDSR	30.38	27.62	26.24	649-JBXER1G05FCSDSR	JBXER1G05FCSDSR	24.32	23.10	21
1	6	0.7	22	7.0 A	649-JBXFD1G06MCSDSR	JBXFD1G06MCSDSR	31.81	28.92	27.47	649-JBXER1G06FCSDSR	JBXER1G06FCSDSR	25.58	24.30	23
1	7	0.7	22	7.0 A	649-JBXFD1G07MCSDSR	JBXFD1G07MCSDSR	33.22	30.20	28.69	649-JBXER1G07FCSDSR	JBXER1G07FCSDSR	26.30	24.87	22
1	8	0.7	22	7.0 A	649-JBXFD1G08MCSDSR	JBXFD1G08MCSDSR	34.65	31.50	29.93	649-JBXER1G08FCSDSR	JBXER1G08FCSDSR	31.82	26.04	23
2	10	0.9	20	8.0 A	649-JBXFD2G10MCSDSR	JBXFD2G10MCSDSR	54.34	49.40	46.93	649-JBXER2G10FCSDSR	JBXER2G10FCSDSR	42.11	38.28	36
2	12	0.7	22	7.0 A	649-JBXFD2G12MCSDSR	JBXFD2G12MCSDSR	58.23	52.94	50.29	649-JBXER2G12FCSDSR	JBXER2G12FCSDSR	46.00	41.82	39

CRIMP TOOL AND POSITIONERS

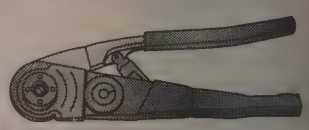
Tooling

MOUSER STOCK NO.	Souriau Part No.	Fig.	Description	Price Each
649-M22520/7-01	MIL-22520/7-01	A	Crimp tool frame only	389.54

Contact Positioners for Crimp Tool Frame

MOUSER STOCK NO.	Souriau Part No.	Fig.	Shell Size	ø Contact	AWG	Price Each
649-JBX0OUTLP07	JBX0OUTLP07	B	0	0.7	22-24-26	66.78
649-JBX0OUTLP09	JBC0OUTLP09	B	0	0.9	20-22-24	66.78
649-JBX1OUTLP07	JBX1OUTLP07	B	1	0.7	22-24-26	66.78
649-JBX1OUTLP09	JBX1OUTLP09	B	1	0.9	20-22-24	66.78
649-JBX1OUTLP13	JBX1OUTLP13	B	1	1.3	18-20-22	66.78
649-JBX2OUTLP07	JBX2OUTLP07	B	2	0.7	22-24-26	66.78
649-JBX2OUTLP09	JBX2OUTLP09	B	2	0.9	20-22-24	66.78
649-JBX2OUTLP13	JBX2OUTLP13	B	2	1.3	18-20-22	66.78

A



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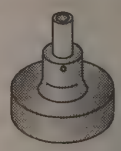
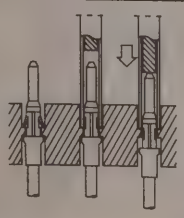


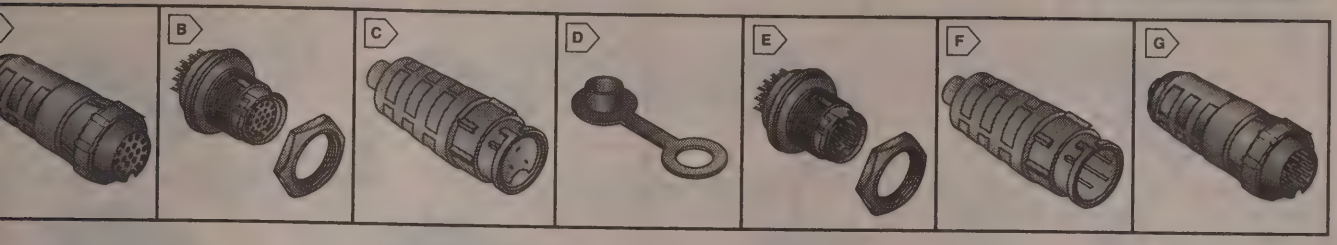
MANUAL EXTRACTION TOOLS

Contacts automatically extracted without pulling on the cable.



MOUSER STOCK NO.	Souriau Part No.	Shell Size	ø Contact	Pric Eac
649-JBXOUTDC07	JBXOUTDC07	0, 1, 2	0.7	135.
649-JBXOUTDC09	JBXOUTDC09	0, 1, 2	0.9	135.
649-JBXOUTDC13	JBXOUTDC13	0, 1, 2	1.3	135.

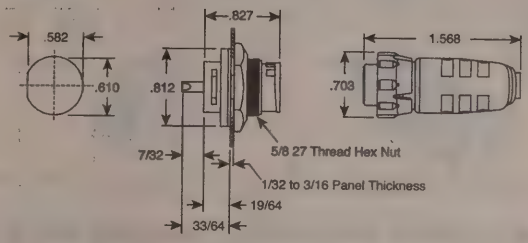
MOUSER ELECTRONICS a ttl company



ifications:

erial:
el connector shells and solder contact locking disk:
rmoplastic polymer glass fiber, flame retardant
nector shell interior: Thermoplastic rubber
tacts: Copper base alloy gold-plated over nickel underplate
hanical:
ck: Mil-Std 202 Method 213B, condition K
ation: Mil-Std 202 Method 201
600 insertion/withdrawal cycles (minimum)
trical:
age Rating (sea level): Tested at 600 VRMS
lation Resistance: 100 megaohms (minimum) at 77° F
ent rating: 13.0 Amps (#16 contact) 3 Pin
7.5 Amps (#20 contact) 3 to 6 Pin
6.5 Amps (#20 contact) 7 and 8 Pin
3.0 Amps (#26 contact) 9 to 18 Pin

- Cable Diameter: .195" to .265"
- Environmental:
  Temperature Limits: -40°C to +65°C (non-operating)
  Moisture Resistance: Mil-Std 202 Method 106°F
  Insulation Resistance: Mil-Std 202 Method 302 condition B
  Thermal Shock: Mil-Std 202 Method 101D condition B
  Salt Spray: Mil-Std 202 Method 101D condition B
  Exceeds Coast Guard specifications for water tightness (CRF 46 Part 110.20)
- Ratings: 1P16/1P18, 1P66/1P68, NEMA 250 (6P) CFR 46 Part 110.20, UL 94V-O
- Termination: Solder cup
  9C-18C have staggered solder cups for easier soldering



Dimensions (IN.)

ures:

ble-sealed for moisture & chemical resistance
gral O-ring and gasket is molded onto panel
ing to prevent leakage and eliminate need for
tional O-rings and gaskets
el Connector shell has a positioning keyway to prevent
lignments and a polarizing single "D" design for proper
el mounting and prevents rotational movement
sion-resistant thermoplastic boot provides strain relief and
pts cable diameter .195" to .265".

Applications:

- Process Control
- Marine Electronics
- Medical Instrumentation
- Geothermal Instrumentation
- Communication
- General Industrial Electronics

Fig.	Mates with Fig.
A	E & F
B	G
C	G

PROTECTIVE CAP

Covers the panel housing assembly when not in use.
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Price Each 1	10	25	100
Cord Type						
502-EN3CAP	EN3CAP	D	0.92	0.84	0.80	0.76

CKET TYPE (FEMALE)

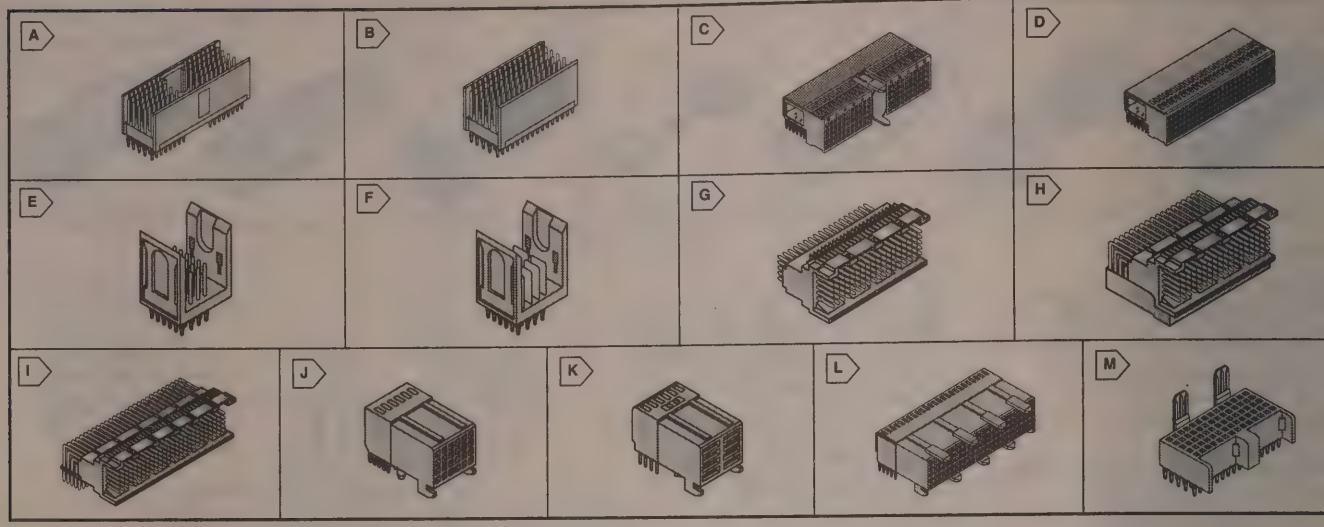
For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	Switchcraft Part No.	Fig.	Contact Positions	Contact Size	Price Each 1	10	25	100
Type								
EN3C3F16	EN3C3F16	A	3	16	5.46	4.96	4.71	4.46
EN3C2F	EN3C2F	A	2	20	4.16	3.78	3.59	3.40
EN3C3F	EN3C3F	A	3	20	4.69	4.26	4.05	3.83
EN3C4F	EN3C4F	A	4	20	5.59	5.08	4.83	4.57
EN3C5F	EN3C5F	A	5	20	7.28	6.62	6.29	5.96
EN3C6F	EN3C6F	A	6	20	8.32	7.56	7.18	6.80
EN3C7F	EN3C7F	A	7	20	9.42	8.56	8.13	7.70
EN3C8F	EN3C8F	A	8	20	9.88	8.98	8.53	8.08
EN3C9F26S	EN3C9F26S	A	9	26	13.90	12.64	12.01	11.38
EN3C10F26S	EN3C10F26S	A	10	26	15.20	13.82	13.13	12.44
EN3C11F26S	EN3C11F26S	A	11	26	13.11	11.92	11.32	10.73
EN3C12F26S	EN3C12F26S	A	12	26	17.67	16.06	15.26	14.45
EN3C13F26S	EN3C13F26S	A	13	26	18.96	17.24	16.38	15.52
EN3C14F26S	EN3C14F26S	A	14	26	20.24	18.40	17.48	16.56
EN3C15F26S	EN3C15F26S	A	15	26	21.49	19.54	18.56	17.59
EN3C16F26S	EN3C16F26S	A	16	26	22.73	20.66	19.63	18.59
EN3C17F26S	EN3C17F26S	A	17	26	24.00	21.82	20.73	19.64
EN3C18F26S	EN3C18F26S	A	18	26	25.26	22.96	21.81	20.66
Type								
EN3P3F16	EN3P3F16	B	3	16	6.09	5.54	5.26	4.99
EN3P2F	EN3P2F	A	2	20	4.60	4.18	3.97	3.76
EN3P3F	EN3P3F	B	3	20	4.66	4.24	4.03	3.82
EN3P4F	EN3P4F	B	4	20	5.63	5.12	4.86	4.61
EN3P5F	EN3P5F	B	5	20	6.25	5.68	5.40	5.11
EN3P6F	EN3P6F	B	6	20	7.63	6.94	6.59	6.25
EN3P9F26S	EN3P9F26S	B	9	26	13.07	11.88	11.29	10.69
EN3P10F26S	EN3P10F26S	B	10	26	14.26	12.96	12.31	11.66
EN3P11F26S	EN3P11F26S	B	11	26	15.55	14.14	13.43	12.73
EN3P12F26S	EN3P12F26S	B	12	26	16.79	15.26	14.50	13.73
EN3P13F26S	EN3P13F26S	B	13	26	18.06	16.42	15.60	14.78
EN3P14F26S	EN3P14F26S	B	14	26	19.36	17.60	16.72	15.84
EN3P15F26S	EN3P15F26S	B	15	26	20.59	18.72	17.78	16.85
EN3P16F26S	EN3P16F26S	B	16	26	21.82	19.84	18.85	17.86
EN3P17F26S	EN3P17F26S	B	17	26	23.12	21.02	19.97	18.92
EN3P18F26S	EN3P18F26S	B	18	26	24.40	22.18	21.07	19.96
e Cord Type								
N3L3F16	EN3L3F16	C	3	16	5.30	4.82	4.58	4.34
N3L3F	EN3L3F	C	3	20	5.10	4.64	4.41	4.18
N3L4F	EN3L4F	C	4	20	6.14	5.58	5.30	5.02
N3L5F	EN3L5F	C	5	20	6.29	5.72	5.43	5.15
N3L6F	EN3L6F	C	6	20	8.07	7.34	6.97	6.61

PIN TYPE (MALE)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Contact Positions	Contact Size	Price Each 1	10	25	100
Panel Type								
502-EN3P3M16	EN3P3M16	E	3	16	3.56	3.24	3.08	2.92
502-EN3P2M	EN3P2M	E	2	20	2.77	2.52	2.39	2.27
502-EN3P3M	EN3P3M	E	3	20	2.99	2.72	2.58	2.45
502-EN3P4M	EN3P4M	E	4	20	3.92	3.56	3.38	3.20
502-EN3P5M	EN3P5M	E	5	20	4.51	4.10	3.90	3.69
502-EN3P6M	EN3P6M	E	6	20	5.10	4.64	4.41	4.18
502-EN3P7M	EN3P7M	E	7	20	7.08	6.44	6.12	5.80
502-EN3P8M	EN3P8M	E	8	20	6.29	5.72	5.43	5.15
502-EN3P9M26S	EN3P9M26S	E	9	26	8.32	7.56	7.18	6.80
502-EN3P10M26S	EN3P10M26S	E	10	26	9.02	8.20	7.79	7.38
502-EN3P11M26S	EN3P11M26S	E	11	26	9.75	8.86	8.42	7.97
502-EN3P12M26S	EN3P12M26S	E	12	26	10.34	9.40	8.93	8.46
502-EN3P13M26S	EN3P13M26S	E	13	26	11.04	10.04	9.54	9.04
502-EN3P14M26S	EN3P14M26S	E	14	26	11.79	10.72	10.18	9.65
502-EN3P15M26S	EN3P15M26S	E	15	26	12.43	11.30	10.74	10.17
502-EN3P16M26S	EN3P16M26S	E	16	26	13.18	11.98	11.38	10.78
502-EN3P17M26S	EN3P17M26S	E	17	26	13.86	12.60	11.97	11.34
502-EN3P18M26S	EN3P18M26S	E	18	26	14.50	13.18	12.52	11.86
In-Line Cord Type								
502-EN3L3M16	EN3L3M16	F	3	16	3.85	3.50	3.33	3.15
502-EN3L2M	EN3L2M	F	2	20	3.12	2.84	2.70	2.56
502-EN3L3M	EN3L3M	F	3	20	3.72	3.38	3.21	3.04
502-EN3L4M	EN3L4M	F	4	20	4.20	3.82	3.63	3.44
502-EN3L5M	EN3L5M	F	5	20	6.09	5.54	5.26	4.99
502-EN3L6M	EN3L6M	F	6	20	6.73	6.12	5.81	5.51
Cord Type								
502-EN3C3M16	EN3C3M16	G	3	16	3.96	3.60	3.42	3.24
502-EN3C2M	EN3C2M	G	2	20	4.05	3.68	3.50	3.31
502-EN3C3M	EN3C3M	G	3	20	3.59	3.26	3.10	2.93
502-EN3C4M	EN3C4M	G	4	20	3.87	3.52	3.34	3.17
502-EN3C5M	EN3C5M	G	5	20	4.44	4.04	3.84	3.64
502-EN3C6M	EN3C6M	G	6	20	5.54	5.04	4.79	4.54
502-EN3C9M26S	EN3C9M26S	G	9	26	8.91	8.10	7.70	7.29
502-EN3C10M26S	EN3C10M26S	G	10	26	9.70	8.82	8.38	7.94
502-EN3C11M26S	EN3C11M26S	G	11	26	8.27	7.52	7.14	6.77
502-EN3C12M26S	EN3C12M26S	G	12	26	11.13	10.12	9.61	9.11
502-EN3C13M26S	EN3C13M26S	G	13	26	11.88	10.80	10.26	9.72
502-EN3C14M26S	EN3C14M26S	G	14	26	12.52	11.38	10.81	10.24
502-EN3C15M26S	EN3C15M26S	G	15	26	13.27	12.06	11.46	10.85
502-EN3C16M26S	EN3C16M26S	G	16	26	14.01	12.74	12.10	11.47
502-EN3C17M26S	EN3C17M26S	G	17	26	14.70	13.36	12.69	12.02
502-EN3C18M26S	EN3C18M26S	G	18	26	15.44	14.04	13.34	12.64



2MM METPAK™ CP2 PRESS-FIT HEADERS AND SOCKETS

Specifications:

- Designed according to IEC 61076-4-101 and IEC 917 standards
- Meets CompactPCI application requirements
- "Eye of the needle" compliant pen press-fit design
- Insulation material: Glass Filled Polyester (PBT)
- Current rating: 1A at +70°C
- Temperature rating: -55°C to +125°C
- Contact material: Copper alloy
- Plating: 30μ" Gold

CP2 Series

For quantities of 200 and up, call for c

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Rows	No. of Contacts	Style	Termination	Plating	Price Each 1	25	50	
Type A Header											
517-CP2-HA110-GE1	CP2-HA110-GE1-TG30	A	5	110	Straight	Press-Fit	30 μ" Gold	6.26	5.72	5.21	4
Type B Header											
517-CP2-HB110-GE1	CP2-HB110-GE1-TG30	B	5	110	Straight	Press-Fit	30 μ" Gold	5.66	5.17	4.71	4
517-CP2-HB125-GE1	CP2-HB125-GE1-TG30	B	5	125	Straight	Press-Fit	30 μ" Gold	7.13	6.52	5.93	5
Type A Socket											
517-CP2-SA110-G1	CP2-SA110-G1-TG30	C	5	110	Right Angle	Press-Fit	30 μ" Gold	8.67	7.92	7.38	6
Type B Socket											
517-CP2-SB110-G1	CP2-SB110-G1-TG30	D	5	110	Right Angle	Press-Fit	30 μ" Gold	8.99	8.21	7.65	6
517-CP2-SB125-G1	CP2-SB125-G1-TG30	D	5	125	Right Angle	Press-Fit	30 μ" Gold	9.86	9.01	8.20	7
Coding Keys (RAL#: 1021)											
517-CP2-K1278CY-F	CP2-K1278-CY-F	Socket Key - Cadmium Yellow						.35	.33	.31	
517-CP2-K3456CY-M	CP2-K3456-CY-M	Header Key - Cadmium Yellow						.35	.33	.31	

2MM METPAK™ MP2 FUTURE BUS HEADERS AND SOCKETS

Specifications:

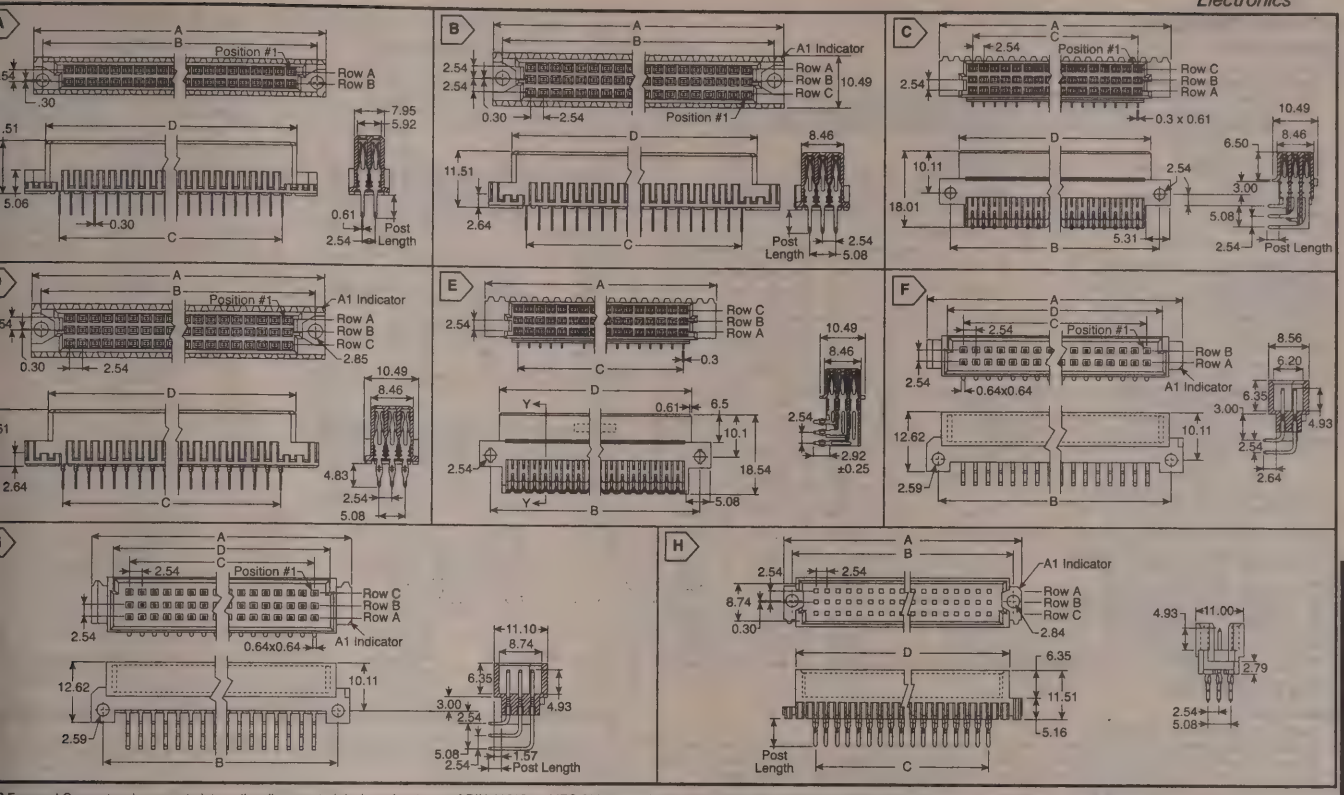
- Futurebus+® compatible
- End-to-end stackable
- Insulation material: High Temp LCP
- Color: Beige
- Contact material: Copper alloy
- Current rating: Signal: 1.5A
- Temperature rating: -55°C to +125°C

MP2 Series

For quantities of 200 and up, call for c

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Rows	No. of Contacts	Style	Termination	Plating	Price Each 1	25	50	
Headers (Contact material: Phosphor bronze)											
517-MP2-H024-41P1S	MP2-H024-41P1-S-TG30	E	4	24	Vertical	Press-Fit	30 μ" Gold	1.25	1.14	1.03	
517-MP2-H030-51P1S	MP2-H030-51P1-S-TG30	E	5	30	Vertical	Press-Fit	30 μ" Gold	1.41	1.29	1.17	1
Power Headers (Current rating: 6.5 A per socket contact)											
517-MP2-HP08-41P1	MP2-HP08-41P1-TG30	F	4	8	Vertical	Press-Fit	30 μ" Gold	1.06	.97	.88	
517-MP2-HP08-41S1	MP2-HP08-41S1-TR30	F	4	8	Vertical	Solder Tail	3 μ" Gold	1.08	.99	.92	
517-MP2-HP10-51P1	MP2-HP10-51P1-TG30	F	5	10	Vertical	Press-Fit	30 μ" Gold	2.39	2.19	1.99	1
517-MP2-HP10-51S1	MP2-HP10-51S1-TR30	F	5	10	Vertical	Solder Tail	3 μ" Gold	1.39	1.28	1.15	1
Inverse Headers											
517-MP2-PS030-51S1	MP2-PS030-51S1-TR30	G	5	30	Stacking	Solder Tail	3 μ" Gold	3.22	2.95	2.74	2
517-MP2-P120E-51M1 *	MP2-P120E-51M1-TR	H	5	120	Right Angle	Solder Tail	3 μ" Gold	14.71	13.43	12.51	11
517-MP2-P030-51M1	MP2-P030-51M1-TR30	I	5	30	Right Angle	Solder Tail	3 μ" Gold	2.99	2.74	2.55	2
Sockets											
517-MP2-S024-41M1C	MP2-S024-41M1-C-TG30	J	4	24	Right Angle	Solder Tail	30 μ" Gold	1.52	1.39	1.27	1
517-MP2-S024-51M1C	MP2-S030-51M1-C-TG30	J	5	30	Right Angle	Solder Tail	30 μ" Gold	1.77	1.61	1.47	1
Power Sockets											
517-MP2-SP08-41M1	MP2-SP08-41M1-TR30	K	4	8	Right Angle	Solder Tail	3 μ" Gold	2.69	2.45	2.28	2
517-MP2-SP10-51M1	MP2-SP10-51M1-TR30	K	5	10	Right Angle	Solder Tail	3 μ" Gold	3.35	3.06	2.86	2
Sockets with Guide Fingers											
517-MP2-S090G-51M1	MP2-S090G-51M1-TR30	L	5	90	Right Angle	Solder Tail	3 μ" Gold	11.96	10.93	10.18	9
517-MP2-S120G-51M1	MP2-S120G-51M1-TR30	L	5	120	Right Angle	Solder Tail	3 μ" Gold	12.17	11.12	10.35	9
517-MP2-S150G-51M1	MP2-S150G-51M1-TR30	L	5	150	Right Angle	Solder Tail	3 μ" Gold	13.21	12.07	11.24	10
Inverse Sockets											
517-MP2-R030-51P1	MP2-R030-51P1-TR30	M	5	30	Vertical	Press-Fit	3 μ" Gold	2.99	2.74	2.55	2

* Elevated



P Eurocard Connectors incorporate internationally accepted design advantages of DIN 41612 and IEC 603-2 two-piece connectors with the universally known quality, service and delivery of AMP products.
Eurocard Connectors meet DIN 41612 and IEC 603-2 specifications.

UROCARD RECEPTACLE ASSEMBLIES

E28476 LR 7189

ecifications:

ousing: Polyester, Grey, 94V-0 rated
ontacts: Phosphor bronze

• Plating: Gold flash over .000030 Palladium/Nickel in mating area, Tin Lead on tails, all over .000050 Nickel.

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	AMP Part No.	Fig.	Type	No. of Contacts	Style	Rows Loaded	Dimensions (mm.) A	B	C	D	Post Length (mm.)	Price Each 1	25	50	100
ceptacle Assemblies with Solder Posts															
1-6508585	650858-5	A	1/2 B	32	Vertical	a, b	54.34	49.35	38.10	44.35	4.57	3.45	3.02	2.43	2.00
1-6508615	650861-5	A	B	64	Vertical	a, b	93.96	90.00	78.74	85.00	4.57	2.60	2.34	2.11	1.90
1-5350915	535091-5	B	1/2 C	48	Vertical	a, b, c	53.34	49.37	38.10	44.35	2.49	3.43	3.00	2.41	1.98
1-5350705	535070-5	B	1/2 C	48	Vertical	a, b, c	53.34	49.37	38.10	44.35	3.30	3.43	3.00	2.41	1.98
1-5350715	535071-5	B	1/2 C	48	Vertical	a, b, c	53.34	49.37	38.10	44.35	4.57	13.18	11.53	9.27	7.62
1-6504585	650458-5	B	C	64	Vertical	a, c	93.98	90.00	78.74	85.00	2.49	3.43	3.00	2.41	1.98
1-6509565	650956-5	B	C	64	Vertical	a, c	93.98	90.00	78.74	85.00	3.30	3.43	3.00	2.41	1.98
1-6504085	650408-5	B	C	64	Vertical	a, c	93.98	90.00	78.74	85.00	4.57	3.43	3.00	2.41	1.98
1-5350895	535089-5	B	C	96	Vertical	a, b, c	93.98	90.00	78.74	85.00	2.49	4.10	3.59	2.88	2.37
1-5350905	535090-5	B	C	96	Vertical	a, b, c	93.98	90.00	78.74	85.00	3.30	4.11	3.60	2.89	2.38
1-5350435	535043-5	B	C	96	Vertical	a, b, c	93.98	90.00	78.74	85.00	4.57	4.11	3.60	2.89	2.38
1-6508685	650868-5	C	1/2 R	48	Right-Angle	a, b, c	53.24	48.26	38.10	44.35	2.79	3.42	2.99	2.40	1.97
1-6508705	650870-5	C	R	64	Right-Angle	a, c	93.87	88.90	78.74	85.00	2.79	3.64	3.19	2.56	2.10
1-6504615	650461-5	C	R	96	Right-Angle	a, b, c	93.87	88.90	78.74	85.00	2.79	4.45	3.89	3.13	2.57
1-6504625	650462-5	C	R	96	Right-Angle	a, b, c	93.87	88.90	78.74	85.00	4.24	4.45	3.89	3.13	2.57
ceptacle Assemblies with Action Pin Posts															
1-5350685	535068-5	D	1/2 C	32	Vertical	a, c	53.34	49.37	38.10	44.35	4.83	3.57	3.12	2.51	2.06
1-5350345	535034-5	D	1/2 C	48	Vertical	a, b, c	53.34	49.37	38.10	44.35	4.83	3.30	2.89	2.32	1.91
1-5350595	535059-5	D	C	64	Vertical	a, c	93.98	90.00	78.74	85.00	4.83	3.64	3.19	2.56	2.10
1-5350324	535032-4	D	C	96	Vertical	a, b, c	93.98	90.00	78.74	85.00	4.83	4.11	3.60	2.89	2.38
ceptacle Assemblies with Compliant Pin															
1-1482961	148296-1	E	R	64	Right-Angle	a, c	93.88	88.90	78.74	85.00	2.92	6.40	5.60	4.50	3.70
1-1482925	148292-5	E	R	96	Right-Angle	a, b, c	93.88	88.90	78.74	85.00	2.92	5.82	5.10	4.10	3.37

UROCARD PIN HEADERS

E28476 LR 7189

ecifications:

ousing: Polyester, Grey, 94V-0 rated
ontacts: Brass; Pin assemblies with action posts are Phoshor Broze

• Plating: Gold flash over .000030 Palladium/Nickel in mating area, Tin Lead on tails, all over .000050 Nickel.

For quantities of 200 and up, call for quote.

n Assemblies with Solder Posts															
1-5360535	536053-5	F	1/2 B	32	Right-Angle	a, b	53.34	48.26	38.10	44.65	2.64	2.58	2.26	1.81	1.49
1-5360525	536052-5	F	B	64	Right-Angle	a, b	93.98	88.90	78.74	85.29	2.64	3.23	2.83	2.27	1.87
1-6504785	650478-5	G	1/2 C	48	Right-Angle	a, b, c	53.34	48.26	38.10	44.65	2.64	2.39	2.09	1.68	1.38
1-6509485	650948-5	G	1/2 C	48	Right-Angle	a, b, c	53.34	48.26	38.10	44.65	3.30	2.40	2.10	1.69	1.39
1-6509455	650945-5	G	C	64	Right-Angle	a, c	93.98	88.90	78.74	85.29	2.64	2.92	2.55	2.05	1.69
1-6504735	650473-5	G	C	96	Right-Angle	a, b, c	93.98	88.90	78.74	85.29	2.64	3.42	2.99	2.40	1.97
n Assemblies with Action Pin Posts															
1-6509185	650918-5	H	1/2 R	48	Vertical	a, b, c	54.37	49.35	38.10	47.37	6.35	2.87	2.51	2.02	1.66
1-6509175	650917-5	H	1/2 R	48	Vertical	a, b, c	54.37	49.35	38.10	47.37	13.23	11.73	10.26	8.25	6.78
1-6509125	650912-5	H	R	64	Vertical	a, c	95.00	90.00	78.74	88.01	6.35	11.18	9.78	7.86	6.46
1-6508895	650889-5	H	R	96	Vertical	a, b, c	95.00	90.00	78.74	88.01	6.35	3.34	2.92	2.35	1.93
1-6509095	650909-5	H	R	96	Vertical	a, b, c	95.00	90.00	78.74	88.01	13.23	4.90	4.28	3.44	2.83

PC/104, PRESS-FIT

Specifications:

- Housing: High temperature, glass filled nylon, black
- Screwlocks: Steel, clear chromate over zinc
- Contacts: Phosphor Bronze, 0.000381 (0.000015) min. gold on mating receptacle end, 0.000130 (0.000005) min. gold on remainder, all over 0.001270 (0.00005) nickel (stack-through), 0.000381 (0.000015) min. gold on mating receptacle end, 0.00254 (0.0001) bright tin-lead on remainder, all over 0.001270 (0.00005) nickel (non-stackthrough).

Features:

- Press -Fit design
- Unique self-stacking bus
- Flat-Rock insertable
- Unitized PC/104 connector assembly
- Integral board spacers with captive hardware
- Fully compliant for PC/104 & PC/104-*Plus* standards
- Compact form-factor 3.6 inches

Benefits:

- Eliminates hand soldering
- Eliminates two piece (60 & 40 pin) configuration
- Eases and improves assembly efficiency while minimizing stocked hardware

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Price Each		
				1	25	50
Stackthrough - No Standoffs						
571-1375795-1	1375795-1	A	Keyed	9.28	8.35	7.89
571-1375795-2	1375795-2	A	Unkeyed	9.28	8.35	7.89
Stackthrough - Two Standoffs						
571-1375793-1	1375793-1	B	Keyed	11.24	10.12	9.55
571-1375793-2	1375793-2	B	Unkeyed	11.24	10.12	9.55
Stackthrough - Four Standoffs						
571-1375791-1	1375791-1	C	Keyed	12.86	11.57	10.93
571-1375791-2	1375791-2	C	Unkeyed	12.86	11.57	10.93
Non-Stackthrough - No Standoffs						
571-1375796-1	1375796-1	D	Keyed	8.22	7.40	6.98
571-1375796-2	1375796-2	D	Unkeyed	8.22	7.40	6.98
Non-Stackthrough - Two Standoffs						
571-1375794-1	1375794-1	E	Keyed	10.20	9.18	8.67
571-1375794-2	1375794-2	E	Unkeyed	10.20	9.18	8.67
Non-Stackthrough - Four Standoffs						
571-1375792-1	1375792-1	F	Keyed	11.82	10.64	10.05
571-1375792-2	1375792-2	F	Unkeyed	11.82	10.64	10.05

PC/104, SOLDER

Specifications:

- Housing: High temperature, glass filled nylon, black
- Contacts: Phosphor Bronze, 0.000381 (0.000015) min. gold on mating receptacle end, 0.000130 (0.000005) min. gold on remainder, all over 0.001270 (0.00005) nickel (stack-through), 0.000381 (0.000015) min. gold on mating receptacle end, 0.00254 (0.0001) bright tin-lead on remainder, all over 0.001270 (0.00005) nickel (non-stackthrough).
- Screwlocks: Steel, clear chromate over zinc

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Price Each		
				1	25	50
Non-Stackthrough - No Standoffs						
571-1375963-1	1375963-1	G	Keyed	18.61	16.75	15.82
571-1375963-2	1375963-2	G	Unkeyed	18.61	16.75	15.82
Non-Stackthrough - Two Standoffs						
571-1375961-1	1375961-1	H	Keyed	23.06	20.75	19.60
571-1375961-2	1375961-2	H	Unkeyed	23.06	20.75	19.60

PC/104-*PLUS*, PRESS-FIT

Specifications:

- Housing: High temperature, glass filled nylon, black
- Contacts: Phosphor Bronze, 0.000381 (0.000015) min. gold on mating receptacle end, 0.000130 (0.000005) min. gold on remainder, all over 0.001270 (0.00005) nickel (stack-through), 0.000381 (0.000015) min. gold on mating receptacle end, 0.00254 (0.0001) bright tin-lead on remainder, all over 0.001270 (0.00005) nickel (non-stackthrough).
- Screwlocks: Steel, clear chromate over zinc

Features:

- Use of high speed PCI bus in embedded applications
- Press-Fit design
- Integral board spacers with captive hardware

Benefits:

- Fast data transfer over a PCI bus
- Low cost due to PC/104's unique self-stacking bus
- High reliability due to PC/104's inherent ruggedness
- Eliminates hand soldering
- Eases and improves assembly efficiency while minimizing stocked hardware

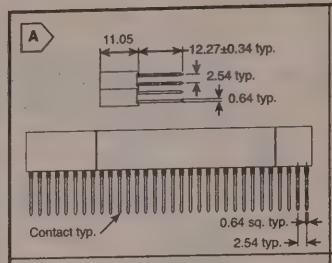
For quantities of 100 and up, call for quote.

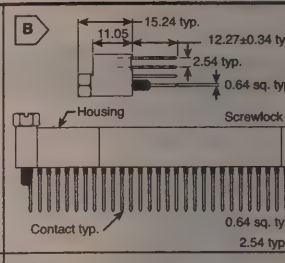
MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Price Each		
				1	25	50
Stackthrough - No Standoffs						
571-1375799-1	1375799-1	I	Unkeyed	10.14	9.13	8.62
571-1375799-2	1375799-2	I	Keyed (A1)	11.94	10.75	10.15
571-1375799-3	1375799-3	I	Keyed (D30)	10.14	9.13	8.62
Stackthrough - Two Standoffs						
571-1375797-1	1375797-1	J	Unkeyed	12.10	10.89	10.29
571-1375797-2	1375797-2	J	Keyed (A1)	12.76	11.48	10.85
571-1375797-3	1375797-3	J	Keyed (D30)	12.76	11.48	10.85
Non-Stackthrough - No Standoffs						
571-1375800-1	1375800-1	K	Unkeyed	9.10	8.19	7.74
571-1375800-2	1375800-2	K	Keyed (A1)	9.10	8.19	7.74
571-1375800-3	1375800-3	K	Keyed (D30)	9.10	8.19	7.74
Non-Stackthrough - Two Standoffs						
571-1375798-1	1375798-1	L	Unkeyed	11.06	9.95	9.40
571-1375798-2	1375798-2	L	Keyed (A1)	11.06	9.95	9.40
571-1375798-3	1375798-3	L	Keyed (D30)	11.06	9.95	9.40

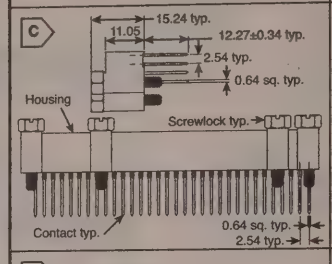
ACCESSORIES

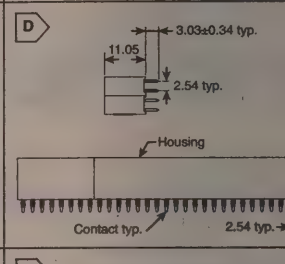
For quantities of 500 and up, call for quote.

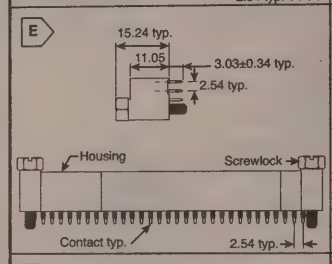
MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Price Each			
				1	25	50	100
571-1375801-1	1375801-1	M	Shroud, PC/104-Plus	1.52	1.37	1.30	1.22
571-1445251-1	1445251-1	N	Organizer, PC/104	1.95	1.75	1.65	1.56

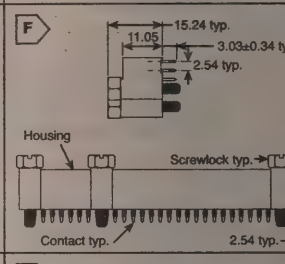


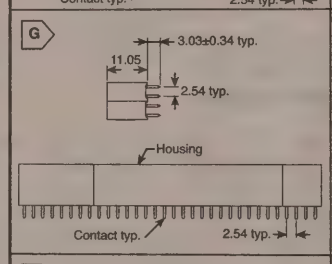


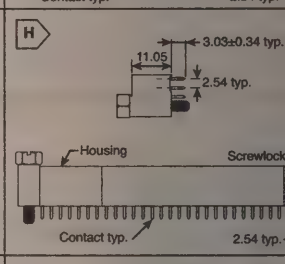


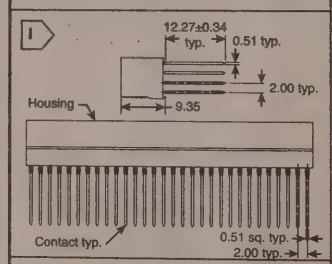


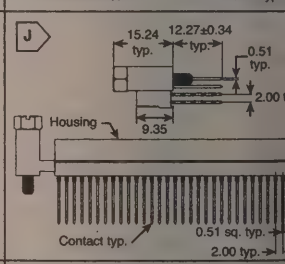


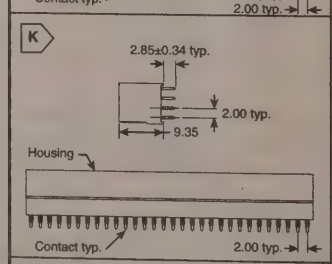


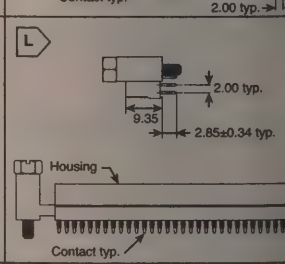


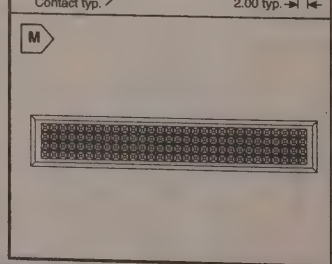


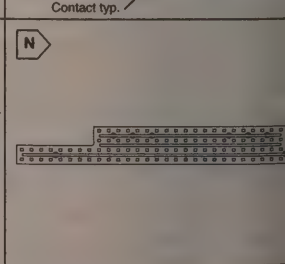












P Z-PACK 2MM FB (FUTUREBUS+) CONNECTORS

- n density connections: 4 row, 2mm x 2mm circuit grid
- npatible to IEC67076-4-0X(48B) and EIA SP3179
- Current Rating: Signal Contacts: 1A, Power Contacts: 4.6A
- Bellcore approved

For quantities of 200 and up, call for quote.

MOUSER OCK NO.	AMP Part No.	Fig.	No. of Pos.	Lead Type	Lead Length (mm)	Dim. A (mm)	Price Each 1	25	50	100
al Module, Vertical Pin										
536501-1	536501-1	A	24	Solder	4.25	11.88	2.06	1.85	1.75	1.65
5365012	536501-2	A	48	Solder	4.25	23.88	3.02	2.72	2.57	2.42
5365013	536501-3	A	96	Solder	4.25	47.88	6.36	5.72	5.41	5.08
5365014	536501-4	A	192	Solder	4.25	95.88	9.62	8.66	8.18	7.70
5365041	536504-1	A	24	Press-Fit	4.25	11.88	1.82	1.64	1.55	1.46
5365042	536504-2	A	48	Press-Fit	4.25	23.88	3.48	3.13	2.96	2.78
5365043	536504-3	A	96	Press-Fit	4.25	47.88	5.52	4.97	4.69	4.42
5365044	536504-4	A	192	Press-Fit	4.25	95.88	9.62	8.66	8.18	7.70
al Module, Right Angle Receptacle										
5365071	536507-1	B	24	Solder	2.73	11.88	1.98	1.78	1.68	1.58
5365072	536507-2	B	48	Solder	2.73	23.88	3.34	3.01	2.84	2.67
5365073	536507-3	B	96	Solder	2.73	47.88	6.00	5.40	5.10	4.80
5365074	536507-4	B	192	Solder	2.73	95.88	10.56	9.50	8.98	8.45
5365076	536507-6	B	120	Solder	2.73	59.88	9.14	8.23	7.77	7.31
5365101	536510-1	B	24	Solder	3.53	11.88	2.28	2.05	1.94	1.82
5365102	536510-2	B	48	Solder	3.53	23.88	3.86	3.47	3.28	3.09
5365103	536510-3	B	96	Solder	3.53	47.88	6.00	5.40	5.10	4.80
5365104	536510-4	B	192	Solder	3.53	95.88	12.14	10.93	10.32	9.71
5365111	536511-1	B	24	Press-Fit	3.55	11.88	1.98	1.78	1.68	1.58
5365112	536511-2	B	48	Press-Fit	3.55	23.88	3.34	3.01	2.84	2.67
5365113	536511-3	B	96	Press-Fit	3.55	47.88	6.00	5.40	5.10	4.80
5365114	536511-4	B	192	Press-Fit	3.55	95.88	10.56	9.50	8.98	8.45
r Module, Vertical Pin										
5366001	536600-1	C	8	Solder	4.25	11.83	1.94	1.75	1.65	1.55
5366031	536603-1	C	8	Press-Fit	4.25	11.83	1.94	1.75	1.65	1.55
r Module, Right Angle Receptacle										
5366071	536607-1	D	8	Solder	2.73	11.88	1.74	1.57	1.48	1.39
5366131	536613-1	D	8	Solder	3.53	11.88	4.24	3.82	3.60	3.39
536614-1	536614-1	D	8	Press-Fit	3.56	11.88	3.52	3.17	2.99	2.82

ACK 2MM HM CONNECTORS FOR COMPACT PCI

- dense density system with small real estate
- ckplane and daugter card
- cordance with IEC 917 and IEC 61076-4-101
- Universal Power Module rated at 7.8A/line, 23.4A fully energized
- Signal Contact Rating: 1.5A fully energized
- 5 + 2 Row Configuration

For quantities of 200 and up, call for quote.

OUSER OCK NO.	AMP Part No.	Fig.	Description	Dim. A (mm)	Price Each 1	25	50	100
888341	188834-1	E	110P Type A Vertical Male; Feed-To	- - -	5.78	5.20	4.91	4.62
061372	106137-2	--	Shroud for 110P Type A Male	- - -	1.32	1.19	1.12	1.06
1005256	5-100525-6	--	3.3V Key for 110P Type A Male	- - -	.53	.47	.45	.42
1005252	3-100525-2	--	5V Key for 110P Type A Male	- - -	.53	.48	.45	.42
520681	352068-1	F	110P Type A Right Angle Female	- - -	6.94	6.25	5.90	5.55
1005266	5-100526-6	--	3.3V Key for 110P Type A Female	- - -	.53	.48	.45	.42
1005262	3-100526-2	--	5V Key for 110P Type A Female	- - -	.53	.48	.45	.42
888351	188835-1	G	110P Type B Vertical Male; Feed-To	3.7	5.78	5.20	4.91	4.62
521281	352128-1	G	110P Type B Vertical Male; Feed-Thru	14.5/16.0	7.78	7.00	6.61	6.22
521521	352152-1	H	125P Type B Right Angle Female; 22 Col.	49.9	6.94	6.25	5.90	5.55
521711	352171-1	H	125P Type B Right Angle Female; 19 Col.	37.9	6.00	5.40	5.10	4.80
520331	352033-1	I	95P Type B Vertical Male; Feed-To	3.7	5.02	4.52	4.27	4.02
521271	352127-1	I	95P Type B Vertical Male; Feed-Thru	14.5/16.0	7.72	6.95	6.56	6.18

ACK HM-ZD

- ned for high speed differential applications
- lar connector system with a standard module size of 25mm
- al contact pairs per column compatible with 8 row HM
- Contact pitch is 1.55mm within a pair; 3.0mm pair to pair
- Column to column pitch is 2.5mm
- Card pitch is 1.0" for 40 pair headers

For quantities of 50 and up, call for quote.

OUSER OCK NO.	AMP Part No.	Fig.	Description	Price Each 1	5	10	25
4690011	1469001-1	J	Receptacle Assembly, 40 pair	17.16	15.44	14.59	13.73
4690021	1469002-1	K	Header Assembly, 40 pair	11.62	10.46	9.88	9.30
4690022	1469002-2	K	Header Assembly, 40 pair	11.62	10.46	9.88	9.30

RECEPTACLES - RIGHT ANGLE

- tacle housing: UL 94V-0 rated thermoplastic
- Copper alloy, plated bright tin
- Contacts: Brass, plated gold over palladium nickel
- e rating: 30VAC (rms)
- t rating: Signal application only, 1A per contact
- Temperature rating: -55°C to +85°C (unless limited by cable or overmold)
- Plug and play capability
- Hot pluggable
- Compatible with asynchronous and isochromous data transfer methods
- Compatible with Windows operating systems

For quantities of 200 and up, call for quote.

OUSER CK NO.	AMP Part No.	Fig.	No. of Pos.	Type	Description	Price Each 1	25	50	100
876161	787616-1	L	4	A	Black, Thru-hole, .112	.80	.71	.67	.63
876171	787617-1	L	2 x 4	A	Dual Stacked, Black,Thru-hole	.97	.87	.82	.77
877801	787780-1	L	4	B	Black, Thru-hole, .119	.76	.68	.65	.61
877802	787780-2	L	4	B	Natural	1.22	1.10	1.04	.98

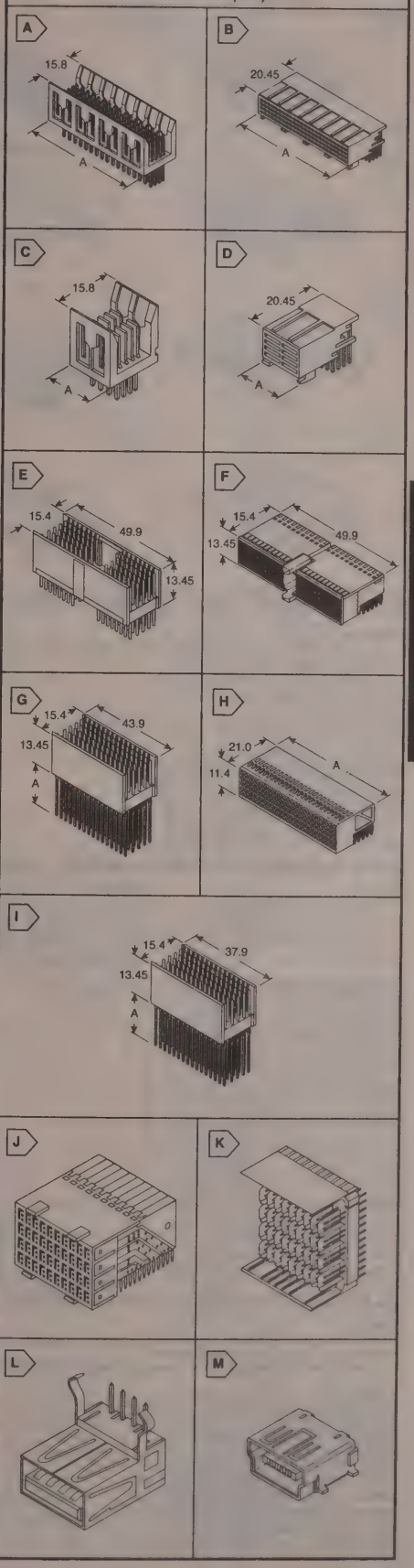
USB RECEPTACLES - RIGHT ANGLE

- ed to meet the USB 2.0 Specifications
- ed for Proper Orientation
- ed for 480MB/s Transfer Rate
- ensity design
- older hold downs
- to allow device to act as a peripheral
- Housing Material: High temperature thermoplastic UL94V-0
- Color: Black
- Contact Material: Phosphor bronze
- Shell Material: Phosphor bronze
- Contact Finish: 30u" Gold

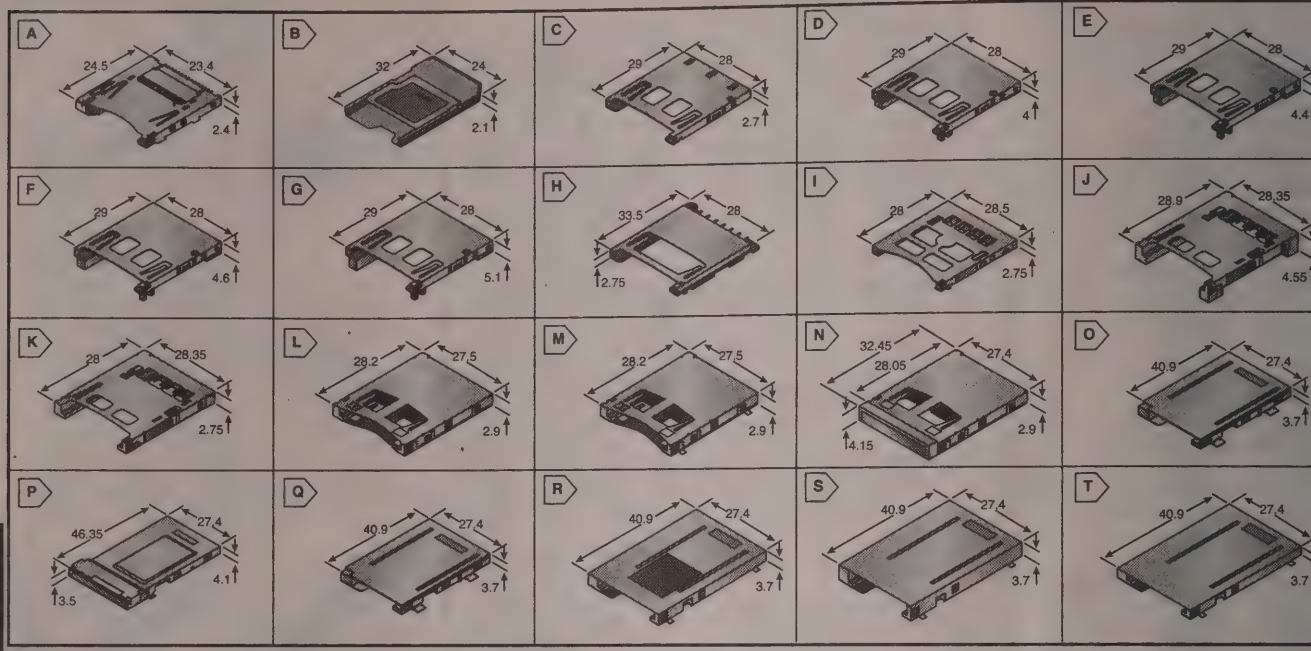
For quantities of 200 and up, call for quote.

1402471	1-440247-1	M	5	B	SMT w/o Locating Post	.66	.59	.56	.53
402471	440247-1	M	5	B	SMT with Locating Post	.68	.61	.58	.54

Dimensions (mm)



DIMENSIONS: mm



ALPS miniSD™ CARD CONNECTORS AND ADAPTER

Features:
- The miniSD™ Saves 40% of pcb area and 60% of volume required by SD cards
- Highly shock-resistant robust guard lock.
- Adapter has metal frame within plastic body
- Internal media detection switch
- Half-lock structure keeps media from popping out on ejection
- Adapter allows a miniSD™ card to be used in an SD connector
- miniSD is a trademark of San Disk

Specifications:
- Mating/unmating cycles: 10,000 cycles
- Operating temperature range: Connector: -25 to +70 deg. C
- Adapter: -25 to 85 deg. C
- Connector has push-push type media ejection
- Adapter has header type media ejection
- Both connector and adapter are supplied in bulk
- Connector is also available on tape and reel.

Applications:
- Mobile Phones
- Digital Cameras
- PDA's
- Personal Computers

For quantities of 500 and up, call for

MOUSER STOCK NO.	Alps Part No.	Fig.	Description	Price Each 1	25	50	10
688-SCJB2B0101	SCJB2B0101	A	Reverse mount, surface mount type miniSD™ card connector	3.06	2.75	2.60	
688-SCJC1A0100	SCJC1A0100	B	SD to miniSD adapter. For use in SD card connector	3.16	2.84	2.69	

ALPS SD MEMORY / MULTI-MEDIA CARD CONNECTORS

Features:
- Compact style and low profile
- Surface mount type
- Push-push type media ejection
- Standard/reverse mount

Specifications:
- Operating temperaturerange: -25°C to +60°C
- Withstanding voltage: 500VAC
- Insulation resistance: 1000 MW minimum
- Contact resistance: 100 mW maximum
- Mating/Unmating cycles: 10,000 cycles

Applications:
- Cellular Phones
- Digital Cameras
- PDA's
- Personal Computers
- Home audio/ video equipment

For quantities of 500 and up, call for

MOUSER STOCK NO.	Alps Part No.	Fig.	Stand-off (mm)	Mounting System	Features	Packaging Type	Price Each 1	25	50	10
688-SCDA1A0900	SCDA1A0900	C	0	Standard	-----	Tape and reel	1.76	1.58	1.50	
688-SCDA1A0901	SCDA1A0901	C	0	Standard	-----	Bulk	1.76	1.58	1.50	
688-SCDA1A0801	SCDA1A0801	D	1.2	Standard	-----	Bulk	1.70	1.53	1.44	
688-SCDA1A1401	SCDA1A1401	E	1.5	Standard	-----	Bulk	1.70	1.53	1.44	
688-SCDA1A1501	SCDA1A1501	F	1.8	Standard	-----	Bulk	1.70	1.53	1.44	
688-SCDA1A1301	SCDA1A1301	G	2.2	Standard	-----	Bulk	1.70	1.53	1.44	
688-SCDA1A0700	SCDA1A0700	H	-0.8	Standard	Substrate push-in type	Tape and reel	2.30	2.06	1.96	
688-SCDA0A0701	SCDA0A0701	H	-0.8	Standard	Substrate push-in type	Bulk	2.30	2.06	1.96	
688-SCDA2A0100	SCDA2A0100	I	0	Reverse	-----	Tape and reel	1.76	1.58	1.50	
688-SCDA2A0101	SCDA2A0101	I	0	Reverse	-----	Bulk	1.76	1.58	1.50	
688-SCDA2A0201	SCDA2A0201	J	1.8	Reverse	-----	Bulk	1.76	1.58	1.50	
688-SCDA2A0300	SCDA2A0300	K	0	Reverse	-----	Tape and reel	1.84	1.65	1.57	
688-SCDA3A0100	SCDA3A0100	L	0	Standard (inner tail type)	w/o frame legs	Tape and reel	1.84	1.65	1.57	
688-SCDA3A0200	SCDA3A0200	M	0	Standard (inner tail type)	w/ frame legs	Tape and reel	2.05	1.84	1.75	
688-SCDA3B0201	SCDA3B0201	N	0	Standard (inner tail type)	w/ shutter	Bulk	2.30	2.06	1.96	

ALPS MEMORY STICK CARD CONNECTORS

Features:
- Long (10mm) stroke and clearly defined click for positive card insertion
- Increased reliability with anti-ESD construction.
- 4 solder lug terminals are a part of the enclosure for secure mounting to the PC board.
- Memory Stick is a trademark of Sony

Specifications:
- Operating temperaturerange: -20°C to +60°C
- Withstanding voltage: 500VAC
- Insulation resistance: 1000 MW minimum
- Push-push media ejection
- Mating/Unmating cycles: 12,000 cycles
- Bulk packaging

Applications:
- Notebook PCs
- Desktop PCs
- PDA's
- Home audio/ video equipment

For quantities of 500 and up, call for

MOUSER STOCK NO.	Alps Part No.	Fig.	Stand-off (mm)	Mounting System	Features	Price Each 1	25	50	10
688-SCEC1B0100	SCEC1B0100	O	0	Standard	With boss, standard mouth	1.60	1.44	1.36	
688-SCEC1F0100	SCEC1F0100	P	0	Standard	Without boss, standard mouth	1.60	1.44	1.36	
688-SCEC1D0100	SCEC1D0100	Q	0	Standard	With boss, with shutter	1.84	1.66	1.57	
688-SCEC1B0200	SCEC1B0200	R	0	Standard	With boss, with square hole	1.66	1.50	1.41	
688-SCEC1F0300	SCEC1F0300	S	0	Standard	Without boss, wide mouth	1.66	1.50	1.41	
688-SCEC1F0400	SCEC1F0400	T	0	Standard	Without boss, flat mouth	1.66	1.50	1.41	

ALPS Memory Card and Camera Module Connectors

ALPS

PS RS-MMC PUSH-PUSH TYPE CONNECTORS

ures:
ers one of the smallest mounting areas and one
he longest media ejection distances (4mm) in the industry
h impact resistance
ow solderable

Specifications:
- Operating temperature: -25°C~+60°C
- Withstand voltage: 500VAC/1 min.
- Insulation resistance: 1000 MΩ
- Mating/Unmating cycles: 10,000 cycles

Applications:
- PDAs
- Digital Cameras
- Cellular Phones

is a registered trademark of Infineon Technology AG, and is licensed to the MMCA

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Mounting System	Package Type	Price Each			
					1	25	50	100
-SCDC1A0102	SCDC1A0102	A	Standard mount with media detection switch	Tape and reel	2.89	2.60	2.45	2.31
-SCDC2A0102	SCDC2A0102	B	Reverse mount with media detection switch	Tape and reel	2.89	2.60	2.45	2.31

PS MEMORY STICK DUO™ CARD CONNECTORS

ures:
g (6mm) stroke and clearly
ned click for positive card insertion.
Newton lock strength
h-push media ejection

Specifications:
- Operating temperaturerange: -20°C to +60°C
- Withstanding voltage: 500VAC
- Insulation resistance: 1000 MW minimum
- Mating/Unmating cycles: 12,000 cycles
- Contact resistance: 40 mW maximum

Applications:
- Cellular Phones
- Personal Computers
- Digital Cameras
- PDA's
- Home audio/video equipment

ry Stick Duo is a trademark of Sony

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Stand-off (mm)	Mounting System	Package Type	Price Each			
						1	25	50	100
SCEM1B0100	SCEM1B0100	C	0	Standard	Bulk	1.47	1.33	1.25	1.18

PS COMBINE TYPE (SD MEMORY / MMC™/MEMORY STICK™/ XD-PICTURE™) RD CONNECTORS

ures:
ports SD Memory, MultiMediaCardä, Memory
k™, and xD-Picture Card™ in one connector
ow solderable

Specifications:
- Operating temperature: -10°C~+60°C
- Withstand voltage: 500VAC/1 min.
- Insulation resistance: 1000 MΩ
- Mating/Unmating cycles: 10,000 cycles

Applications:
- PDAs
- PCs
- Digital Cameras
- Digital camcorders

ediaCard is a trademark of Infineon/Hitachi
ry Stick is a trademark of Sony
ture Card is a trademark of Fujifilm, Olympus, and Toshiba

MOUSER STOCK NO.	Alps Part No.	Fig.	Stand-off (mm)	Mounting System	Media Ejection Structure	Packaging Type	Price Each			
							1	25	50	100
SCDE1C0102	SCDE1C0102	D	0	Standard	Push-push	Tray	7.70	6.92	6.54	6.16

PS COMBINE TYPE (SD MEMORY / MULTIMEDIACARD™ / MEMORY STICK™) RD CONNECTORS

ures:
ports SD Memory, MultiMediaCard™, and
mory Stick™ in one connector
h-in push-out eject mechanism
d for all three types

Specifications:
- Operating temperaturerange: -20°C to +60°C
- Withstanding voltage: 500VAC
- Insulation resistance: 1000 MΩ minimum
- Mating/Unmating cycles: 10,000 cycles
- Contact resistance: 100 mW maximum

Applications:
- Cellular Phones
- Personal Computers
- Digital Cameras
- PDA's
- Home audio/video equipment

y Stick is a trademark of Sony, MultiMediaCard is a trademark of Infineon/Hitachi

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Alps Part No.	Fig.	Stand-off (mm)	Mounting System	Features	Packaging Type	Price Each			
							1	25	50	100
SCDB1C0101	SCDB1C0101	E	0	Standard	Without frame legs	Bulk	3.44	3.09	2.92	2.75
SCDB1A0102	SCDB1A0102	F	0	Standard	With frame legs	Bulk	5.76	5.18	4.89	4.61
SCDB2A0101	SCDB2A0101	G	0	Reverse	With boss	Bulk	6.48	5.82	5.50	5.18

PS COMPACTFLASH® CARD CONNECTORS

n headers and the ejectors are supplied as separate parts.
using them, solder a pin header to a printed circuit board, assemble an ejector to the pin header and screw in.

ures:
stry's smallest CF card connector with ultra-slim depth
t mechanism
mounting strength realized by screwing
ector directly to pc board
l-plated structure enhances mechanical
gth and noise-proof properties

Specifications:
- 0mm Stand-off
- Position of lever: 1-step type is on left, 2-step type is on right
- Pin pitch: 1.27mm
- Insulation resistance: 1000 MΩ minimum
- Mating/Unmating cycles: 10,000 cycles

Applications:
- Cellular Phones
- Personal Computers
- Digital Cameras
- PDAs
- Home audio/video equipment

ctFlash is a registered trademark of SanDisk

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Alps Part No.	Fig.	Application Card	Mounting System	Description	Price Each			
						1	25	50	100
1-Step Media Ejection Lever									
SCFB2A0400	SCFB2A0400	H	Type I,II	Reverse	Ejector, related pin header SCFB1A0600	2.90	2.61	2.47	2.32
SCFB2A0500	SCFB2A0500	I	Type I	Standard	Ejector, related pin header SCFB1A0700	1.96	1.77	1.67	1.57
SCFB1A0600	SCFB1A0600	---	Type I,II	Reverse	50-pin Pin header, related ejector SCFB2A0400	1.94	1.75	1.65	1.55
SCFB1A0700	SCFB1A0700	---	Type I	Standard	50-pin Pin header, related ejector SCFB2A0500	1.30	1.17	1.11	1.04
2-Step Media Ejection Lever									
SCFB3A0300	SCFB3A0300	J	Type I,II	Standard	Ejector, related pin header SCFB1A0500	3.06	2.75	2.60	2.45
SCFB1A0500	SCFB1A0500	---	Type I,II	Standard	50-pin Pin header, related ejector SCFB3A0300	2.03	1.83	1.72	1.62

PS SCKA CMOS CAMERA MODULE CONNECTOR

NEW! TECHNOLOGY

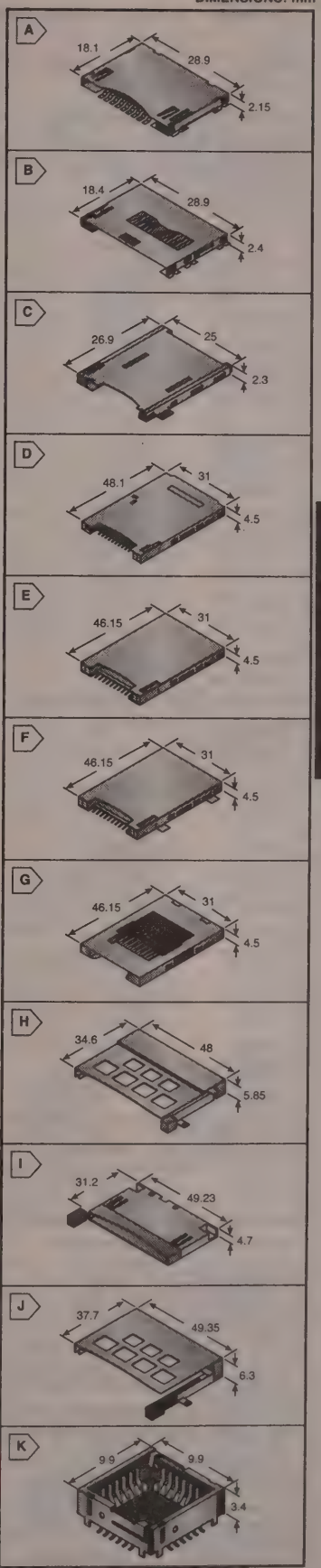
fications:
g/Unmating cycles: 10 cycles
ation resistance: 1000 MΩ
- Contact resistance: 100mΩ
- Sold on cut tape and reel

Applications:
- Include mobile phones with camera, digital cameras, etc.

For quantities of 2000 and up, call for quote.

MOUSER TOCK NO.	Alps Part No.	Fig.	Fits Module Size	Mounting	Package Type	Price Each				Reel Qty.	Reel Qty. Price Each
						1	25	50	100		
SCKA1A0201	SCKA1A0201	K	8mm X 8mm	Surface mount	Tape and Reel	2.49	2.13	1.78	1.60	1000	1.24

DIMENSIONS: mm



.100" PAK 100 CARD EDGE CONNECTORS

- Reinforced card-edge resists mouth bowing for consistent contact performance
- Metal cover clips provide superior cover retention
- Bifurcated contacts provide reliable contact with PC boards
- Insulation Material: Glass filled polyester (PBT)
- Flammability: UL 94V-0
- Color: Gray
- Contact Material: Copper alloy
- Contact Plating: 30µ" Gold, Type II, Grade C
- Wire Accommodation: 26 and 28 AWG solid or stranded
- Cable Conductor Pitch: .050" (1.27mm)
- Current Rating: 1 A
- Insulation Resistance: >1 x 10^9 at 500 VDC
- Withstanding Voltage: 1000 Vrms at sea level
- Temperature Rating: -55°C to +105°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Circuits	Description	Price Each 1	25	50	100	200
With Drilled Mounting Flanges									
517-3358-0000	3358-0000	A	10	Card-Edge to Flat Cable	5.10	4.66	4.41	4.29	4.04
517-3368-0000	3368-0000	A	16	Card-Edge to Flat Cable	9.03	6.26	5.78	5.51	5.27
517-3461-0000	3461-0000	A	20	Card-Edge to Flat Cable	6.64	6.06	5.75	5.59	5.26
517-3462-0000	3462-0000	A	26	Card-Edge to Flat Cable	8.05	7.36	6.96	6.77	6.39
517-3463-0000	3463-0000	A	34	Card-Edge to Flat Cable	8.56	7.82	7.42	7.22	6.80
517-3464-0000	3464-0000	A	40	Card-Edge to Flat Cable	9.40	8.59	8.14	7.91	7.46
517-3415-0000	3415-0000	A	50	Card-Edge to Flat Cable	11.67	10.65	10.10	9.82	9.26
517-3666-0000	3666-0000	A	60	Card-Edge to Flat Cable	19.44	13.48	12.44	11.86	11.34
517-3403-0000	3403-0000	A	64	Card-Edge to Flat Cable	13.13	11.99	11.36	11.05	10.41
Without Mounting Flanges									
517-3358-0001	3358-0001	B	10	Card-Edge to Flat Cable	5.10	4.66	4.41	4.29	4.04
517-3368-0001	3368-0001	B	16	Card-Edge to Flat Cable	9.03	6.26	5.78	5.51	5.27
517-3461-0001	3461-0001	B	20	Card-Edge to Flat Cable	6.64	6.06	5.75	5.59	5.26
517-3462-0001	3462-0001	B	26	Card-Edge to Flat Cable	8.05	7.36	6.96	6.77	6.39
517-3463-0001	3463-0001	B	34	Card-Edge to Flat Cable	8.56	7.82	7.42	7.22	6.80
517-3464-0001	3464-0001	B	40	Card-Edge to Flat Cable	9.40	8.59	8.14	7.91	7.46
517-3415-0001	3415-0001	B	50	Card-Edge to Flat Cable	11.67	10.65	10.10	9.82	9.26
517-3666-0001	3666-0001	B	60	Card-Edge to Flat Cable	19.44	13.48	12.44	11.86	11.34
517-3403-0001	3403-0001	B	64	Card-Edge to Flat Cable	13.13	11.99	11.36	11.05	10.41
With Slotted Mounting Flanges									
517-3358-0002	3358-0002	C	10	Card-Edge to Flat Cable	5.10	4.66	4.41	4.29	4.04
517-3368-0002	3368-0002	C	16	Card-Edge to Flat Cable	6.27	5.73	5.43	5.28	4.98
517-3461-0002	3461-0002	C	20	Card-Edge to Flat Cable	6.64	6.06	5.75	5.59	5.26
517-3462-0002	3462-0002	C	26	Card-Edge to Flat Cable	8.05	7.36	6.96	6.77	6.39
517-3463-0002	3463-0002	C	34	Card-Edge to Flat Cable	8.56	7.82	7.42	7.22	6.80
517-3464-0002	3464-0002	C	40	Card-Edge to Flat Cable	9.40	8.59	8.14	7.91	7.46
517-3415-0002	3415-0002	C	50	Card-Edge to Flat Cable	11.67	10.65	10.10	9.82	9.26
517-3666-0002	3666-0002	C	60	Card-Edge to Flat Cable	13.48	12.32	11.67	11.35	10.69
517-3403-0002	3403-0002	C	64	Card-Edge to Flat Cable	13.13	11.99	11.36	11.05	10.41

CARD-EDGE ACCESSORIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Price Each 1	25	50	100	200
Strain Reliefs								
517-3448-52	3448-52	D	10 Pin Strain Relief	1.83	1.67	1.58	1.54	1.45
517-3448-53	3448-53	D	16 Pin Strain Relief	2.64	1.83	1.69	1.61	1.54
517-3448-54	3448-54	D	20 Pin Strain Relief	1.83	1.67	1.58	1.54	1.45
517-3448-55	3448-55	D	26 Pin Strain Relief	1.71	1.56	1.47	1.44	1.36
517-3448-56	3448-56	D	34 Pin Strain Relief	1.46	1.33	1.26	1.23	1.16
517-3448-57	3448-57	D	40 Pin Strain Relief	1.71	1.56	1.47	1.44	1.36
517-3448-58	3448-58	D	50 Pin Strain Relief	1.83	1.67	1.58	1.54	1.45
517-3448-31	3448-31	D	60 Pin Strain Relief	7.80	5.41	4.99	4.76	4.55
517-3448-59	3448-59	D	64 Pin Strain Relief	1.83	1.67	1.58	1.54	1.45
Pull Tabs								
517-3490-1	3490-1	E	For 10 pin card-edge connectors	.21	.20	.19	.18	.17
517-3490-2	3490-2	E	For 16P and 20P card-edge connectors	.25	.23	.22	.21	.20
517-3490-3	3490-3	E	For 26P card-edge connectors	.29	.27	.25	.25	.23
517-3490-4	3490-4	E	For 34P and 40P card-edge connectors	.37	.34	.33	.32	.30
517-3490-5	3490-5	E	For 50P card-edge connectors	.42	.38	.36	.35	.33
517-3490-6	3490-6	E	For 60P and 64P card-edge connectors	.56	.51	.49	.47	.45
Keying Plug								
517-3439-2	3439-2	F	Keying Plug for polarization or keying	.20	.19	.18	.17	.16

TOOLS

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Price Each 1	5
517-3443-63	3443-63	--	Locator Plate for card-edge connectors	275.66	268.00
517-3442-30	3442-30	--	Platen for card-edge connectors	306.40	297.89

DIN 41612 SOCKET CONNECTORS

- Solder terminals for PCB or flexible cable mount
- 96 position socket for VME, Multi-Bus II, and VXI Backpanel
- .090" terminals for "no-clean" solder flux applications
- Mates with C-Form and R-Form Plugs

For quantities of 500 and up, call for quote.

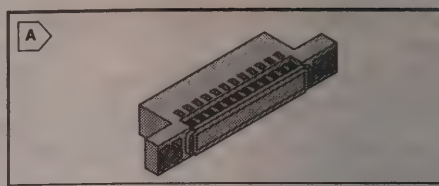
MOUSER STOCK NO.	3M Part No.	Fig.	No. of Circuits	Description	Price Each 1	25	50	100	200
Standard C-Form DIN Types									
517-DIN-64CSB-S1L	DIN-64CSB-S1L-TR	G	64	3.74" Width	2.43	2.22	2.11	2.05	1.94
517-DIN-96CSC-S1L	DIN-96CSC-S1L-TR	G	96	3.74" Width	2.89	2.64	2.50	2.43	2.29
517-DIN-96CSC-PSL	DIN-96CSC-PSL-TR	G	96	3.74" Width (Press-Fit)	2.50	2.28	2.16	2.10	1.98
Inverse R-Form DIN									
517-DIN-96RSC-SR1	DIN-96RSC-SR1-TR	H	96	3.70" Width	5.13	4.70	4.45	4.32	4.08

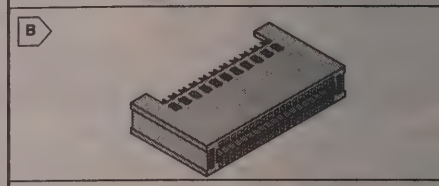
DIN 41612 PLUG CONNECTORS

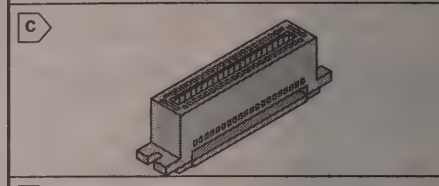
- High temp. SMT compatible insulator
- RR1 and R-Form part includes retention clips for .062" and .093" PCB thickness

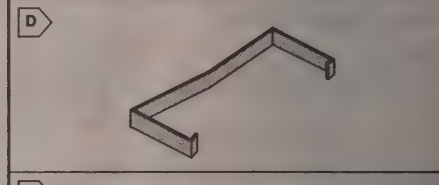
For quantities of 500 and up, call for quote.

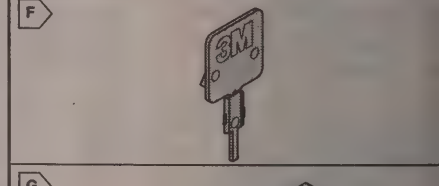
Standard C-Form DIN									
517-DIN-64CPB-SR1	DIN-64CPB-SR1-TR	I	64	3.70" Width	2.31	2.11	2.00	1.94	1.83
517-DIN-96CPC-SR1	DIN-96CPC-SR1-TR	I	96	3.70" Width	2.35	2.14	2.04	1.97	1.87
517-DIN-96CPC-RR1	DIN-96CPC-RR1-TR	I	96	3.70" Width	2.48	2.26	2.14	2.08	1.96
Inverse R-Form DIN									
517-DIN-96RPC-S1	DIN-96RPC-S1-TR	J	96	3.74" Width	2.49	2.28	2.17	2.10	1.98

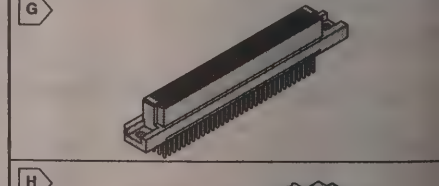


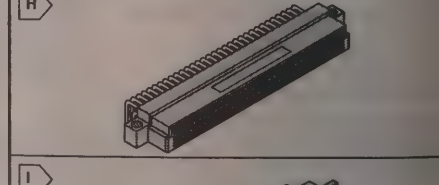


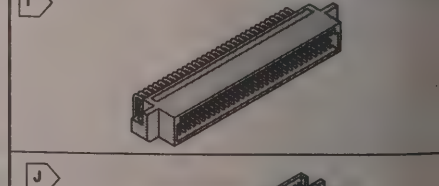


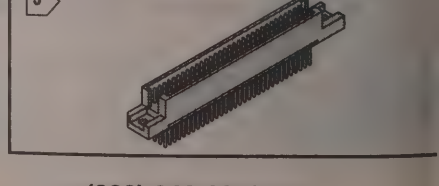












AVX / ELCO 2mm Hard Metric, PCI and DIN 41612 Connectors

CI EXPRESS

atures:
ails are offset to form 4 rows on a 2.00mm pitch, thus making wave soldering easier
Connectors come with locating bosses to help align the connector to PCB (motherboard)
laised ridge at the topside of the connector, which can be used to lock/retain graphic card
olded polarization key prevents improper insertion of PBC
Connectors have slots to accept "add in" cards with thickness of 1.58mm (0.062")

Specifications:
- Contact Rating: 1.1 Ampere, maximum
- Contact Resistance: 30 milliohm, maximum
- Contact Material: Phosphor Bronze
- Insulator Material: 30% Glass Filled Nylon
- Insulation Resistance: 100 Megaohms 50, 50V AC
- Lead Free

MOUSER STOCK NO.	AVX / ELCO Part No.	Fig.	Number of Contacts	Tail Length	Terminal Area	Price Each 1	25	50	100
1-20632536001006	20-6325-036-001-006	A	36	2.3 mm	Tin Lead Free	1.03	.93	.88	.83
1-20632536002006	20-6325-036-002-006	A	36	3.0 mm	Tin Lead Free	1.03	.93	.88	.83
1-20632564001006	20-6325-064-001-006	A	64	2.3 mm	Tin Lead Free	1.33	1.20	1.14	1.08
1-20632564002006	20-6325-064-002-006	A	64	3.0 mm	Tin Lead Free	1.33	1.20	1.14	1.08
1-20632598001006	20-6325-098-001-006	A	98	2.3 mm	Tin Lead Free	1.66	1.50	1.42	1.34
1-20632598002006	20-6325-098-002-006	A	98	3.0 mm	Tin Lead Free	1.66	1.50	1.42	1.34
1-20632516401006	20-6325-164-001-006	A	164	2.3 mm	Tin Lead Free	2.69	2.43	2.30	2.18
1-20632516402006	20-6325-164-002-006	A	164	3.0 mm	Tin Lead Free	2.69	2.43	2.30	2.18
1-20632516402016	20-6325-164-002-016	A	164	3.0 mm w/latch	Tin Lead Free	2.69	2.43	2.30	2.18

MM HARD METRIC CONNECTORS

atures:
urrent Rating: 1.0A
oltage Rating: 250V max.
- Dielectric Withstanding Voltage: 750VAC rms/min
- Operating Temperature: -55°C to +125°C
- Contact Material: Phospher bronze
- Insulator Material: PBT 30% Glass filled, UL94V-0 rated
- Coding Key: Glass filled polyester, UL94V-0 rated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AVX / ELCO Part No.	Fig.	Number of Contacts	Type	Description	Price Each 1	10	100	250
ngs									
1-17720077400002	17-7200-077-400-002	B	77	C	Vertical Male	3.02	2.87	2.72	2.64
1-17720154000002	17-7200-154-000-002	B	154	A	Vertical Male	6.32	6.01	5.71	5.41
1-17720154200002	17-7200-154-200-002	B	154	B22	cPCI P/2/P5	5.29	5.04	4.79	4.54
1-17720154202005	17-7200-154-202-005	B	154	B22	cPCI P2/P5 Long Tail	9.14	8.70	8.27	7.83
1-17720154003005	17-7200-154-003-005	B	154	A25	cPCI P1 Long Tail	9.84	9.37	8.91	8.44
1-17720175100002	17-7200-175-100-002	B	175	B25	Vertical Male	6.14	5.85	5.55	5.26
1-17720133300002	17-7200-133-300-002	B	133	B19	cPCI P3 8.3mm pin mating height	4.76	4.54	4.31	4.08
ght Angle Receptacles									
1-27720055402002	27-7200-055-402-002	C	55	C11	Shielded	2.82	2.69	2.55	2.42
1-27720090007002	27-7200-090-007-002	C	90	B19	cPCI J3 Shielded Telephony	4.94	4.70	4.47	4.23
1-27720110000002	27-7200-110-000-002	C	110	A25	cPCI J1 Unshielded	3.74	3.56	3.38	3.21
1-27200110002002	27-7200-110-002-002	C	110	A25	cPCI J1 Shielded	5.05	4.80	4.56	4.32
1-27720110003002	27-7200-110-003-002	C	110	A25	Shielded, Reduced Cross-Talk	6.32	6.01	5.71	5.41
1-27720110200002	27-7200-110-200-002	C	110	B22	cPCI J2/J5 Unshielded	3.77	3.60	3.42	3.24
1-27200110202002	27-7200-110-202-002	C	110	B22	cPCI J2/J5 Shielded	4.94	4.70	4.47	4.23
1-27720125102002	27-7200-125-102-002	C	125	B25	Shielded	5.43	5.17	4.92	4.66
1-27200095302002	27-7200-095-302-002	C	95	B19	cPCI J3 Shielded	4.41	4.20	3.99	3.78
ding Keys									
1-67720701403456	67-7200-7014-03456	D			Male 3.3V Cadmium Yellow	.98	.93	.88	.86
1-67720701401567	67-7200-7014-01567	D			Male 5.0V Brilliant Blue	.80	.76	.72	.70
1-67720711401278	67-7200-7114-01278	D			Female 3.3V Cadmium Yellow	.98	.93	.88	.86
1-67720711402348	67-7200-7114-02348	D			Female 5.0V Brilliant Blue	.94	.89	.85	.82

N 41612 CONNECTORS

tures:
sic Grid: 0.100 (2.54) x 0.100 (2.54) – 0.100 (2.54) x 0.200 (5.08)
rrent Rating: 3A @ 20° Max. on connectors up to 96 contacts, per UL approval, over 96 contacts must be derated to 1.0A Max VDE, CSA, and other European standards.
ulation Resistance: 5000 megohms min. at 500 VDC

IPIN™ - Press fit contact guarantees equal force over entire contact length, Design prevents "eye of the needle" cracking/damage to PCB board
plication for PC board thickness ≥ 1.6mm
0% press-fit shank

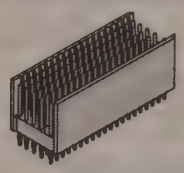
n Temperature Termination:
olded in SMC polymers • Suitable for infrared/reflow/vapor phase soldering processes up to 250° C
ith keying system † Male with 1.6mm board retention clip without keying system

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AVX / ELCO Part No.	Number of Rows	Number of Contacts	Gender	Style	Termination Length	Loading Description	Price Each 1	10	100
lder Termination, Straight - Fig. E										
1-20845764125	20-8457-064-001-025	2	64	Female	B	4.5 mm	a & b loaded	3.86	3.67	3.37
1-20845748125	20-8457-048-001-025	3	48	Female	1/2 C	4.5 mm	a, b, c loaded	2.60	2.47	2.34
1-10845796125	10-8457-096-001-025	3	96	Male	C	3.4 mm	a, b, c loaded	3.13	2.98	2.74
1-20845796125	20-8457-096-001-025	3	96	Female	C	4.5 mm	a, b, c loaded	4.18	3.97	3.76
1-20845796225	20-8457-096-002-025	3	96	Female	C	2.9 mm	a, b, c loaded	4.71	4.48	4.26
lder Termination, Right-Angle - Fig. E										
1-10845732225	10-8457-032-002-025	2	32	Male	1/2 B	3.4 mm	a & b loaded	3.84	3.65	3.47
1-10845796225	10-8457-096-002-025	3	96	Male	C	3.0 mm	a, b, c loaded	1.98	1.88	1.78
1-12845796225	12-8457-096-002-025	3	96	Male	C	3.0 mm	a, b, c loaded	3.60	3.43	3.26
1-10845796226	10-8457-096-002-026	3	64	Male	C	3.0 mm	a & c loaded	2.65	2.52	2.40
1-10845716225	10-8457-160-002-025	5	160	Male	C Expanded	3.0 mm	a, b, c, d, e loaded	8.86	8.44	8.01
lder Termination-Inverted, Straight - Fig. F										
1-10847796225	10-8477-096-002-025	3	96	Male	R	4.5 mm	a, b, c loaded	2.65	2.52	2.40
lder Termination-Inverted, Right-Angle - Fig. F										
1-20847641225	20-8477-064-012-025	2	64	Female	Q	4.5 mm	a & b loaded	9.33	8.89	8.44
1-20847796225	20-8477-096-002-025	3	96	Female	R	3.0 mm	a, b, c loaded	3.79	3.61	3.32
1-20847728225	20-8477-128-002-025	4	128	Female	R Expanded	3.0 mm	a, b, c, d loaded	10.97	10.42	9.60
RIPIN™ Press-Fit Termination, Straight - Fig. G										
1-20845896125	20-8458-096-001-025	3	96	Female	C	5.3 mm	a, b, c loaded	2.97	2.82	2.67
1-22845896125	22-8458-096-001-025	3	96	Female	C	5.3 mm	a, b, c loaded	6.93	6.59	6.06
1-20845896126	20-8458-096-001-026	3	64	Female	C	5.3 mm	a & c loaded	3.32	3.16	3.01
1-20845812825	20-8458-128-001-025	4	128	Female	C Expanded	5.3 mm	a, b, c, d loaded	8.33	7.92	7.29
gh Temperature Termination, Straight - Fig. H										
1-20855796225	20-8557-096-002-025	3	96	Female	C	2.9 mm	a, b, c loaded	5.34	5.08	4.83
gh Temperature Termination, Right Angle - Fig. H										
1-168557481225	16-8557-048-102-025	3	46 + 2	Male	1/2 C	3.0 mm	fully loaded+ground @ A1 & A16	3.60	3.43	3.26

A
581-20632516402006 Illustrated

581-20632516402016 Illustrated

B


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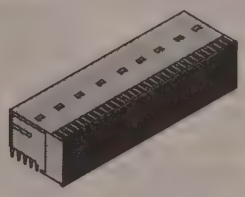

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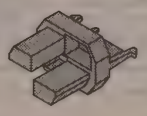
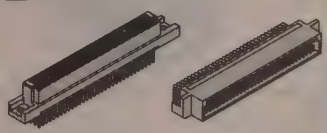


E — Solder Termination

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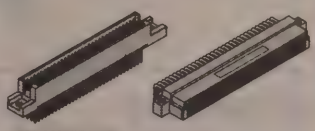
581-10845196225 Illustrated

F — Solder Termination-Inverted

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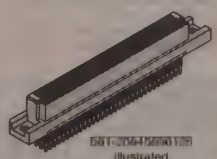
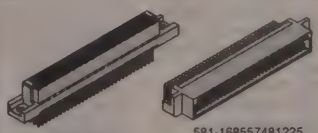
G — Varipin™ Press-Fit Termination

581-20845896125 Illustrated

H — High Temperature Termination

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581-168557481225 Illustrated

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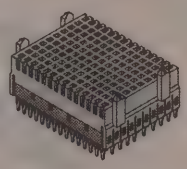

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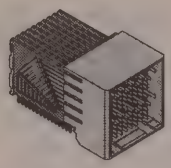

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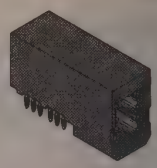


FCI AIRMAX VS® (VIRTUAL SHIELDS) HIGH-SPEED BACKPLANE CONNECTOR SYSTEM

High -speed backplane connector system demonstrated to support differential signaling for data rates up to 25 Gb/s. Connector contacts can be allocated to Differential Pair Signals, Single Ended Signals, or Power. The connector's shieldless design provides options for wider column spacing to permit more traces to be routed on a single board layer to help reduce PCB layer count and cost.

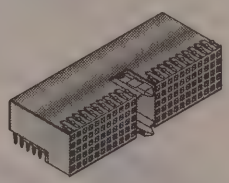
Specifications:

- Termination Style: Press-fit
- Contact Base Material: Copper alloy
- Contact Plating: Au over Ni
- Tail Plating: SnPb over Ni
- Housing Material: Hi-temp thermo plastic

For quantities of 100 and up, call for c

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Description	Column Spacing	IMLAs	Price Each 1	25	50
649-10016537-101	10016537-101	A	150	Receptacle 5-Pair, Signal	2mm	10	17.99	16.35	15.5
649-10025613-101	10025613-101	B	150	Header 4 Wall Right Angle 5-Pair, Signal	2mm	10	22.17	20.15	19.1
649-10035465-101	10035465-101	A	120	Receptacle 4-Pair, Signal	3mm	10	15.31	13.91	13.2
649-10035515-101	10035515-101	B	120	Header 4 Wall Right Angle 4-Pair, Signal	3mm	10	18.82	17.11	16.2
649-10043546-101	10043546-101	A	54	Receptacle 3-Pair, Signal	2mm	6	10.69	9.72	9.2
649-10039851-101	10039851-101	B	54	Header 4 Wall Right Angle 3-Pair, Signal	2mm	6	12.58	11.44	10.8
649-10045271-101LF	10045271-101LF	A	72	Receptacle 16MM	2mm	8	14.26	12.96	12.3
649-10045267-101LF	10045267-101LF	B	72	Header 4 Wall Right Angle	2mm	8	16.76	15.24	14.4
649-10028916-4555P00	10028916-4555P00	-	4	Receptacle Vertical, Power	- - -	- - -	6.95	6.32	6.0
649-10028917-001	10028917-001	C	4	Header Right Angle, Power	- - -	- - -	8.22	7.48	7.1
				Description					
649-10037908-101LF	10037908-101LF			Guide Pin 7.2MM, 2.53MM Long			3.43	3.12	2.9
649-10037909-101LF	10037909-101LF			Guide Module R/A 7.2MM			4.46	4.05	3.8
649-10037910-101LF	10037910-101LF			Guide Pin External 10.8MM			3.43	3.12	2.9
649-10037912-101LF	10037912-101LF			Guide Module Assembly 10.8MM			5.15	4.68	4.4
649-10037911-102LF	10037911-102LF			Guide Pin Internal 10.8MM			3.72	3.38	3.2

A



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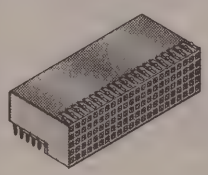

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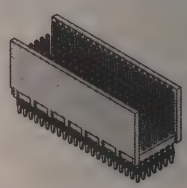

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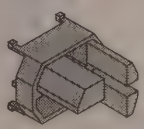

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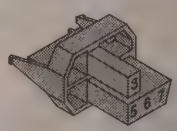


FCI COMPACTPCI®

Specifications:

- Product Type: Signal
- Temperature Range: -55°C to +125°C
- Current Rating: 1.5A @ 20°C, 1.0A @ 70°C
- Voltage Rating: 750 Vrms
- Contact Resistance: 20m Ω max
- Insulation Resistance: 10M Ω min
- Insertion Force: 0.75 N min per contact pair
- Withdrawal Force: 0.15 N min per contact pair
- Hertz Stress: 200 Kpsi min
- Misalignmnet: Lognitudinal ±2.0 mm, Transversal ± 2.5 mm
- Inclination: ±2.0°

For quantities of 100 and up, call for c

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Description	Sheilded	Peg Location	Price Each 1	25	5
649-HM2R71PA5108N9	HM2R71PA5108N9	A	75	Receptacle Type B	Yes	No	6.22	5.66	5.
649-HM2R01PA5108N9	HM2R01PA5108N9	A	110	Receptacle Type A	Yes	Yes	6.50	5.91	5.
649-HM2R10PA5100N9	HM2R10PA5100N9	A	100	Receptacle Type A	No	No	12.73	11.57	11.
649-HM2R70PA5108N9	HM2R70PA5108N9	A	110	Receptacle Type B	Yes	No	7.18	6.53	6.
649-HM2R10PA5108N9	HM2R10PA5108N9	A	110	Receptacle Type A	Yes	No	7.05	6.41	6.
649-HM2R02PA5108N9	HM2R02PA5108N9	B	125	Receptacle Right Angle	- - -	- - -	9.43	8.57	8.
649-HM2P07PDU1A1N9	HM2P07PDU1A1N9	C	110	Header Type A	Yes	No	5.20	4.73	4.
649-HM2P70PDE121N9	HM2P70PDE121N9	C	110	Header Type B	Yes	No	5.20	4.73	4.
649-HM2DK1248P	HM2DK1248P	D	-	Plug Key	- - -	- - -	.65	.59	
649-HM2DK3456P	HM2DK3456P	D	-	Plug Key	- - -	- - -	.65	.59	
649-HM2DK1567P	HM2DK1567P	D	-	Plug Key	- - -	- - -	.65	.59	
649-HM2DK2348R	HM2DK2348R	D	-	Plug Key	- - -	- - -	.65	.59	
649-HM2DK3567R	HM2DK3567R	E	-	Receptacle Key 3.3V	- - -	- - -	.65	.59	
649-HM2DK1278R	HM2DK1278R	E	-	Receptacle Key 3.3V	- - -	- - -	.65	.59	

MOUSER ELECTRONICS a tti company (800) 346-6873

METRAL 2MM MODULAR INTERCONNECT SYSTEM

x low and high speed signal modules. Mix signal and power modules. Designed in accordance with IEC 61076-4-104.
ontact plating meets Telcordia Central office.

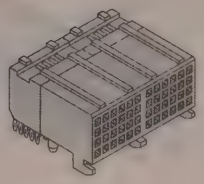
pecifications:

Contact plating: 30µ" gold
Tail plating: .80µm (30 pin) gold, IEC class 2 gold
Housing material: Glass-filled LCP
Temperature: 55°C to +105°C
nsulation resistance: 1000MΩ
Withstanding voltage: 1000Vrms
Current rating: 1.0A
Tail length:
Header: 4.30mm (.169")
Receptacle: 2.73mm (.107")

Metral P/N	Row	Contact Code MOD. 1					
		1	2	3	4	5	6
649-89006-110	E	1	1	1	1	1	1
	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	1	1	1	1	1	1

Metral P/N	Row	Contact Code MOD. 1					
		1	2	3	4	5	6
649-89006-111	E	3	3	3	3	3	3
	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

A



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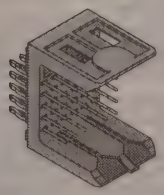


Row Receptacles

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Pos.	Description	Price Each			
					1	25	50	100
649-88945-102	88945-102	A	24	4 row signal receptacle, right angle, press fit	1.74	1.60	1.55	1.50
649-88946-102	88946-102	A	48	4 row signal receptacle, right angle, press fit	3.35	3.07	2.98	2.89
649-88947-102	88947-102	A	96	4 row signal receptacle, right angle, press fit	10.48	9.89	9.31	8.73

Row Receptacles

For quantities of 200 and up, call for quote.

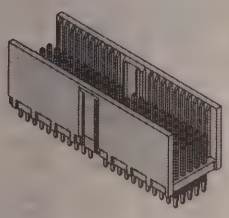
MOUSER STOCK NO.	FCI Part No.	Fig.	Pos.	Description	Price Each			
					1	25	50	100
649-89047-102	89047-102	A	30	5 row signal receptacle, right angle, press fit	3.46	2.65	2.19	2.01
649-89093-102	89093-102	A	60	5 row signal receptacle, right angle, press fit	4.17	3.83	3.71	3.59
649-89094-102	89094-102	A	120	5 row signal receptacle, right angle, press fit	7.60	6.97	6.76	6.54

Row Headers

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Pos.	Description	Price Each			
					1	25	50	100
649-89006-111	89006-111	B	30	5 row signal header, straight, press fit, wide body	2.19	2.01	1.95	1.89
649-89006-110	89006-110	B	30	5 row signal header, straight, press fit, wide body	2.06	1.89	1.83	1.77

A



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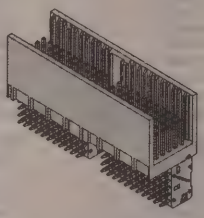

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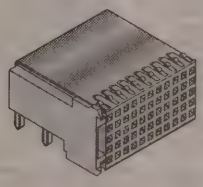


FCI MILLIPACS® HARD METRIC 2MM HEADERS

dular System with 5+2 Row High Density Connectors

atures:

Designed in accordance with IEC917 and IEC 61076-101 as well as Compact PCI®
Extended functionalities: Staggered contacts, shielding, keying, guiding, power, and coax inserts and shrouds
For all applications requiring high density connections such as switches, base stations, embedded computers, medical testing, and PLC's
Types A & B 50mm headers
Types C 25mm end-position headers
Types A & C offer "MP" multipurpose center for polarization, preguiding, and coding
PCB Mounting - Press Fit

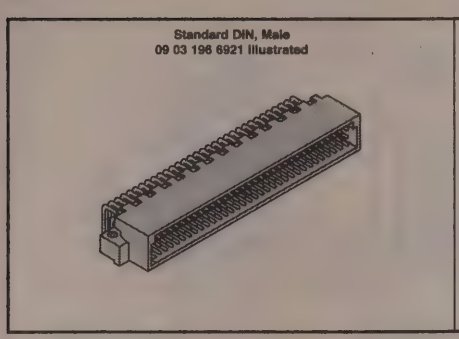
Specifications:

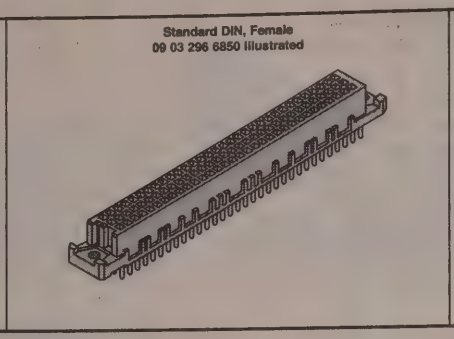
- Housing material: High temperature thermoplastic (UL94 V-0)
- Contact base material: Phosphor bronze
- Operating temperature: -55°C to + 125°C
- Signal contact current rating: 1.5A @ 20°C; 1A @ 70°C
- Signal contact test voltage (fully loaded): 750 Vrms
- Signal contact, contact resistance: 20mΩ max.
- Signal contact insulation resistance: 10,000MΩ min.

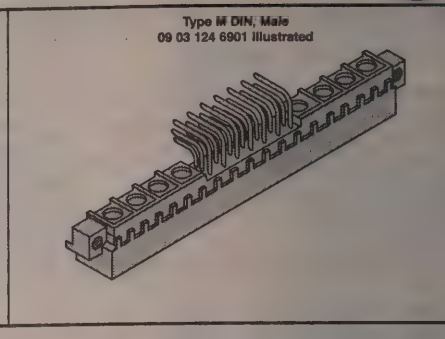
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Gender	Description	Shield	Price Each		
							1	25	50
649-HM2P09PD5110N9	HM2P09PD5110N9	D	55	Header	Module type C, short tails (3.7mm)	No	2.66	2.42	2.30
649-HM2P09PD5111N9	HM2P09PD5111N9	D	55	Header	Module type C, short tails (3.7mm)	Yes	3.22	2.92	2.80
649-HM2P07PD5110N9	HM2P07PD5110N9	D	110	Header	Module type A, short tails (3.7mm)	No	4.68	4.25	4.04
649-HM2P07PD5111N9	HM2P07PD5111N9	D	110	Header	Module type A, short tails (3.7mm)	Yes	5.20	4.73	4.49
649-HM2P08PD5110N9	HM2P08PD5110N9	D	125	Header	Module type B, short tails (3.7mm)	No	5.30	4.82	4.58
649-HM2P08PD5111N9	HM2P08PD5111N9	D	125	Header	Module type B, short tails (3.7mm)	Yes	5.89	5.36	5.09
649-HM2J07PE5110N9	HM2J07PE5110N9	E	110	Header	Module type A, right angle, short tails (3.7mm)	No	17.36	15.78	15.00
649-HM2R03PA5100N9	HM2R03PA5100N9	F	55	Receptacle	Module type C w/fixing pegs, press-fit tails (2.8mm), right angle	No	3.53	3.21	3.05
649-HM2R03PA5101N9	HM2R03PA5101N9	F	55	Receptacle	Module type C w/fixing pegs, press-fit tails (2.8mm), right angle	Yes	4.04	3.67	3.49
649-HM2R30PA5100N9	HM2R30PA5100N9	F	55	Receptacle	Module type C, press-fit tails (2.8mm), right angle	No	3.77	3.42	3.25
649-HM2R30PA5101N9	HM2R30PA5101N9	F	55	Receptacle	Module type C, press-fit tails (2.8mm), right angle	yes	4.10	3.72	3.54
649-HM2R10PA5100N9	HM2R10PA5100N9	F	110	Receptacle	Module type A w/out pegs, press-fit tails (2.8mm), right angle	No	6.87	6.25	5.94
649-HM2R01PA5101N9	HM2R01PA5101N9	F	110	Receptacle	Module type A w/fixing pegs, press-fit tails (2.8mm), right angle	Yes	7.57	6.88	6.53
649-HM2R10PA5101N9	HM2R10PA5101N9	F	110	Receptacle	Module type A, press-fit tails (2.8mm), right angle	Yes	7.57	6.88	6.53
649-HM2R02PA5100N9	HM2R02PA5100N9	F	125	Receptacle	Module type B, press-fit tails (2.8mm), right angle	No	7.43	6.76	6.42
649-HM2R02PA5101N9	HM2R02PA5101N9	F	125	Receptacle	Module type B, press-fit tails (2.8mm), right angle	Yes	8.60	7.82	7.42
649-HM2P07PK5110GF	HM2P07PK5110GF	D	110	Header	Module type A, rear mating tails level 1 (13.0mm)	No	8.35	7.59	7.21
649-HM2P08PK5111GF	HM2P08PK5111GF	D	125	Header	Module type B, rear mating tails level 1 (13.0mm)	Yes	10.94	9.95	9.45
649-HM2P09PK5110GF	HM2P09PK5110GF	D	55	Header	Module type C, rear mating tails level 1 (13.0mm)	No	4.35	3.95	3.76
649-HM2P09PK5111GF	HM2P09PK5111GF	D	55	Header	Module type C, rear mating tails level 1 (13.0mm)	Yes	5.15	4.68	4.44

HARTING DIN 41612 Signal Connectors


Standard DIN, Male
09 03 196 6921 Illustrated


Standard DIN, Female
09 03 296 6850 Illustrated


Type M DIN, Male
09 03 124 6901 Illustrated

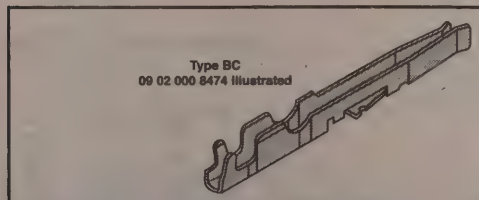
DIN 41612 SIGNAL CONNECTORS - 2 AMP

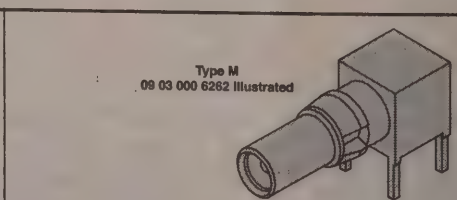
- IEC 60 630-2
- Pitch: 2.54 mm
- Current rating: 2 A
- 1 A for Insulation Displacement version
- 40 A Contacts in Type M version
- Contact Plating: Performance Level 2 plating (acc to DIN41612, part 5)
- UL and CSA Approved
- Contact resistance: 15 mΩ for wire wrap connections
  20 mΩ for including crimp connections
- Temperature Range: -55°C - +125°C
- Termination zone tinned
- Moldings: Thermo plastic resin, glass fiber filled - UL 94V-0
- Contacts: Copper Alloy

For quantities of 100 or more, call for quo

MOUSER STOCK NO.	HARTING Part No.	No. of Rows	No. of Contacts	Contact Gender	Rows Loaded	Style	Termination Type	Pin Length (mm)	Price Each 1	10	25	50
Type B												
617-09-02-164-6921	09 02 164 6921	2	64	Male	a, b	Right-Angle	Solder Pins	3.0	3.27	2.84	2.50	2.2
617-09-02-264-6824	09 02 264 6824	2	64	Female	a, b	Straight	Solder Pins	2.9	4.89	4.25	3.75	3.4
617-09-02-264-6825	09 02 264 6825	2	64	Female	a, b	Straight	Solder Pins	4.5	4.70	4.09	3.60	3.2
617-09-02-264-6821	09 02 264 6821	2	64	Female	a, b	Straight	Wire Wrap Pins	13.0	3.70	3.22	2.84	2.5
617-09-02-264-6828	09 02 264 6828	2	64	Female	a, b	Cable Mount	IDC	-	11.64	10.13	8.92	8.1
*617-09-02-064-3214	09 02 064 3214	2	64	Female	-	Cable Mount	Crimp Pins	-	10.35	9.01	7.94	7.2
Type 2B												
617-09-22-132-6921	09 22 132 6921	2	32	Male	a, b	Right-Angle	Solder Pins	3.0	2.84	2.47	2.17	1.9
617-09-22-232-6825	09 22 232 6825	2	32	Female	a, b	Straight	Solder Pins	4.5	3.76	3.28	2.89	2.6
Type C												
617-09-03-132-6921	09 03 132 6921	3	32	Male	a, c	Right-Angle	Solder Pins	3.0	2.00	1.74	1.53	1.4
617-09-03-164-6921	09 03 164 6921	3	64	Male	a, c	Right-Angle	Solder Pins	3.0	1.76	1.53	1.35	1.2
617-09-03-196-6921	09 03 196 6921	3	96	Male	a, b, c	Right-Angle	Solder Pins	3.0	2.03	1.76	1.55	1.4
617-09-03-196-6922	09 03 196 6922	3	96	Male	a, b, c	Straight	Solder Pins	3.0	3.32	2.89	2.55	2.3
617-09-03-264-6824	09 03 264 6824	3	64	Female	a, c	Straight	Solder Pins	2.9	2.84	2.47	2.17	1.9
617-09-03-264-6825	09 03 264 6825	3	64	Female	a, c	Straight	Solder Pins	4.5	2.51	2.19	1.93	1.7
617-09-03-264-6850	09 03 264 6850	3	64	Female	a, c	Straight	Press-In Pins	4.5	2.65	2.30	2.03	1.8
617-09-03-264-6828	09 03 264 6828	3	64	Female	a, c	Cable Mount	IDC	-	8.32	7.24	6.38	5.8
617-09-03-296-6821	09 03 296 6821	3	96	Female	a, b, c	Straight	Wire Wrap Pins	13.0	4.70	4.09	3.60	3.2
617-09-03-296-6825	09 03 296 6825	3	96	Female	a, b, c	Straight	Solder Pins	4.5	2.84	2.47	2.17	1.9
617-09-03-296-6850	09 03 296 6850	3	96	Female	a, b, c	Straight	Press-In Pins	4.5	3.00	2.61	2.30	2.1
*617-09-03-096-3214	09 03 096 3214	3	96	Female	-	Cable Mount	Crimp Pins	-	5.24	4.56	4.02	3.6
Type 2C												
617-09-23-148-6921	09 23 148 6921	3	48	Male	a, b, c	Right-Angle	Solder Pins	3.0	2.38	2.07	1.82	1.6
617-09-23-248-6825	09 23 248 6825	3	48	Female	a, b, c	Straight	Solder Pins	4.5	2.89	2.51	2.21	2.0
Type M												
617-09-03-124-6901	09 03 124 6901	3	24 + 8	Male	a, b, c	Right-Angle	Solder Pins	3.0	6.97	6.06	5.34	4.8
617-09-03-224-6805	09 03 224 6805	3	24 + 8	Female	a, b, c	Straight	Solder Pins	4.5	8.72	7.59	6.69	6.1
617-09-03-142-6901	09 03 142 6901	3	42 + 6	Male	a, b, c	Right-Angle	Solder Pins	3.0	8.51	7.40	6.52	5.9
617-09-03-242-6805	09 03 242 6805	3	42 + 6	Female	a, b, c	Straight	Solder Pins	4.5	6.78	5.90	5.20	4.7
617-09-03-160-6901	09 03 160 6901	3	60 + 4	Male	a, b, c	Right-Angle	Solder Pins	3.0	9.15	7.97	7.02	6.4
617-09-03-260-6805	09 03 260 6805	3	60 + 4	Female	a, b, c	Straight	Solder Pins	4.5	8.18	7.12	6.27	5.7
617-09-03-178-6901	09 03 178 6901	3	78 + 2	Male	a, b, c	Right-Angle	Solder Pins	3.0	15.28	13.30	11.72	10.7
Type R - Inverse												
617-09-73-164-6903	09 73 164 6903	3	64	Male	a, c	Straight	Solder Pins	4.0	2.67	2.33	2.05	1.8
617-09-73-196-6903	09 73 196 6903	3	96	Male	a, b, c	Straight	Solder Pins	4.0	3.46	3.01	2.65	2.4
617-09-73-196-6904	09 73 196 6904	3	96	Male	a, b, c	Straight	Press-In Pins	5.0	4.13	3.60	3.17	2.8
617-09-73-264-6801	09 73 264 6801	3	64	Female	a, c	Right-Angle	Solder Pins	3.0	2.21	1.93	1.70	1.5
617-09-73-296-6801	09 73 296 6801	3	96	Female	a, b, c	Right-Angle	Solder Pins	3.0	2.97	2.59	2.28	2.0

* Order contacts separately


Type BC
09 02 000 8474 Illustrated


Type M
09 03 000 6262 Illustrated

CONTACTS FOR DIN 41612 CONNECTORS

- For 2 A signal connectors

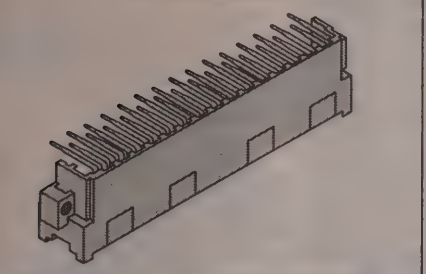
For quantities of 100 or more, call for quo

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each 1	10	25	50
Crimp Contacts for use with type B and C Cable Mount versions						
617-09-02-000-8474	09 02 000 8474	Individual Crimp Contacts for female connectors type B and C (BC1) - 28-20 AWG	.38	.29	.25	.2
†617-09-02-000-8484	09 02 000 8484	Individual Crimp Contacts for female connectors type B and C (BC1) - 28-20 AWG	.42	.31	.27	.2
Contacts for Type M Connectors						
617-09-03-000-6262	09 03 000 6262	Female 50Ω coaxial contacts for male connectors angled for pcb termination	14.42	12.36	10.30	9.2
617-09-03-000-6260	09 03 000 6260	Female 50Ω coaxial contacts for male connectors for straight solder and/or crimp termination	14.14	12.12	10.10	9.0
617-09-03-000-6160	09 03 000 6160	Male 50Ω coaxial contacts for female connectors for straight solder and/or crimp termination	12.50	10.71	8.93	8.0
617-09-03-000-6202	09 03 000 6202	High current female contacts for female connectors - 20 A for straight solder termination	6.58	5.64	4.70	4.2
617-09-03-000-6203	09 03 000 6203	High current female contacts for female connectors - 40 A for straight solder termination	5.99	5.13	4.28	3.8

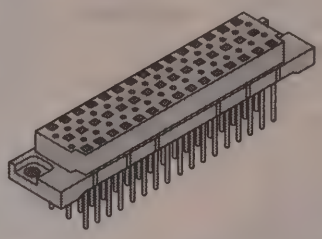
† Performance level 1 plating (acc to DIN41612, part 5)

HARTING DIN 41612 Power Connectors

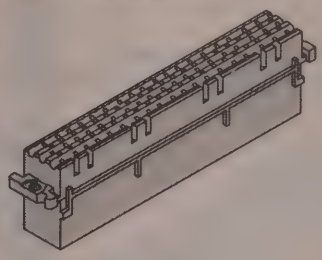
Standard DIN, Male
09 06 148 6901 Illustrated



Standard DIN, Female PCB Mount
09 05 248 6831 Illustrated



Standard DIN, Female Cable Mount
09 06 248 3201 Illustrated



l 41612 POWER CONNECTORS - 6 AMP

h: 5.08 mm
rent rating: 6 A
perature Range: -55°C - +125°C
tact Plating: Performance Level 2 plating (acc to DIN41612, part 5)
mination zone tinned

- Contact resistance: ≤ 15 mΩ for wire wrap and solder connections
  ≤ 20 mΩ for including crimp connections
- Moldings: Thermo plastic resin, glass fiber filled - UL 94V-0
- Contacts: Copper Alloy

For quantities of 100 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Rows	No. of Contacts	Contact Gender	Rows Loaded	Style	Termination Type	Pin Length (mm)	Price Each 1	10	25	50
ype D												
17-09-04-132-6921	09 04 132 6921	2	32	Male	a, c	Right-Angle	Solder Pins	3.0	3.79	3.31	2.79	2.54
17-09-04-232-6821	09 04 232 6821	2	32	Female	a, c	Straight	Wire Wrap Pins	20.0	7.17	6.26	5.28	4.81
17-09-04-232-6831	09 04 232 6831	2	32	Female	a, c	Straight	Solder Pins	4.0	9.30	8.11	6.85	6.23
17-09-04-232-6826	09 04 232 6826	2	32	Female	a, c	Right-Angle	Solder Pins	3.0	12.67	11.05	9.33	8.49
ype E												
17-09-05-148-6921	09 05 148 6921	3	48	Male	a, c, e	Right-Angle	Solder Pins	3.0	6.53	5.69	4.81	4.38
17-09-05-248-6831	09 05 248 6831	3	48	Female	a, c, e	Straight	Solder Pins	4.0	10.89	9.50	8.02	7.30
17-09-05-048-3202	09 05 048 3202	3	48	Female	-	Cable Mount	Crimp Pins	-	3.35	2.93	2.47	2.25
ype F												
17-09-06-132-6931	09 06 132 6931	3	32	Male	z, d	Right-Angle	Solder Pins	3.0	3.79	3.31	2.79	2.54
17-09-06-148-6901	09 06 148 6901	3	48	Male	z, b, d	Right-Angle	Solder Pins	3.0	5.47	4.77	4.03	3.67
17-09-06-248-6832	09 06 248 6832	3	48	Female	z, b, d	Straight	Press-In Pins	5.5	12.36	10.78	9.11	8.29
17-09-06-248-6834	09 06 248 6834	3	48	Female	z, b, d	Straight	Solder Pins	4.5	7.78	6.78	5.73	5.22
17-09-06-248-6835	09 06 248 6835	3	48	Female	z, b, d	Straight	Solder Pins	4.5	8.03	7.00	5.91	5.39
17-09-06-248-3201	09 06 248 3201	3	48	Female	-	Cable Mount	Crimp Pins	-	1.32	1.15	.97	.88
nterface Connector I - Complementary to Type F												
17-09-06-048-2905	09 06 048 2905	3	48	Male	z, b, d	Straight	Solder Pins	3.5	23.84	20.79	17.56	15.99
17-09-06-048-2906	09 06 048 2906	3	48	Female	z, b, d	Cable Mount	Crimp Pins	-	29.39	25.63	21.64	19.70

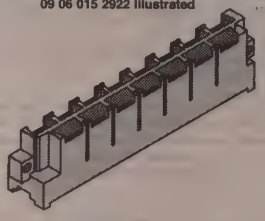
rder fixing bracket 09 06 000 9912 separately ✻ Order contacts separately † Lower profile version

41612 POWER CONNECTORS - 15 AMP

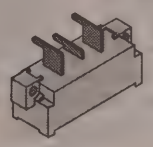
h: 5.08 mm
rent rating: 15 A
perature Range: -55°C - +125°C
tact Plating: Hard Silver Plated
tact resistance: ≤ 8 mΩ
dings: Thermo plastic resin, glass fiber filled - UL 94V-0
tacts: Copper Alloy

= Leading contact at position z32
2= Leading contacts at position z4 and z32
C= Leading middle contact

Standard DIN, Male Cable Mount
09 06 015 2922 Illustrated



Complementary DIN, Male
09 06 203 2911 Illustrated



For quantities of 100 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Rows	No. of Contacts	Contact Gender	Rows Loaded	Style	Termination Type	Pin Length (mm)	Leading Contact✻	Price Each 1	10	25	50
e H													
-09-06-015-2912	09 06 015 2912	2	15	Male	z, d	Cable Mount	Faston 6.3 x 2.5	-	-	12.88	10.42	8.80	8.15
-09-06-015-2922	09 06 015 2922	2	13 + 2	Male	z, d	Cable Mount	Faston 6.3 x 2.5	-	LC2	12.58	10.19	8.60	7.96
-09-06-115-2911	09 06 115 2911	2	15	Male	z, d	Right-Angle	Solder Pins	3.0	-	10.73	8.69	7.34	6.79
-09-06-115-2932	09 06 115 2932	2	14 + 1	Male	z, d	Right-Angle	Solder Pins	3.0	LC1	10.11	8.19	6.91	6.40
-09-06-115-2921	09 06 115 2921	2	13 + 2	Male	z, d	Right-Angle	Solder Pins	3.0	LC2	12.11	9.81	8.28	7.66
-09-06-215-2821	09 06 215 2821	2	15	Female	z, d	Straight	Solder Pins	4.0	-	11.08	8.97	7.58	7.01
-09-06-015-2813	09 06 015 2813	2	15	Female	z, d	Cable Mount	Cage Clamp	-	-	25.87	23.52	22.34	21.17
-09-06-215-2811	09 06 215 2811	2	15	Female	z, d	Cable Mount	Faston 6.3 x 2.5	-	-	10.97	8.88	7.50	6.94
-09-06-215-2871	09 06 215 2871	2	15	Female	z, d	Cable Mount	Faston 6.3 x 2.5	-	-	11.00	8.90	7.52	6.96
nplementary Type MH													
-09-06-131-6922	09 06 131 6922	3	24 + 7	Male	z, b, d	Right-Angle	Solder Pins	3.0	LC1	9.44	7.64	6.45	5.97
-09-06-231-6822	09 06 231 6822	3	24 + 7	Female	z, b, d	Straight	Solder Pins	4.5	-	17.23	13.95	11.78	10.90
nplementary Type H3													
-09-06-203-2911	09 06 203 2911	1	3	Male	-	Right-Angle	Solder Pins	3.0	LMC	5.85	4.74	4.00	3.70
-09-06-203-2811	09 06 203 2811	1	3	Female	-	Straight	Solder Pins	4.0	-	6.97	5.64	4.76	4.41

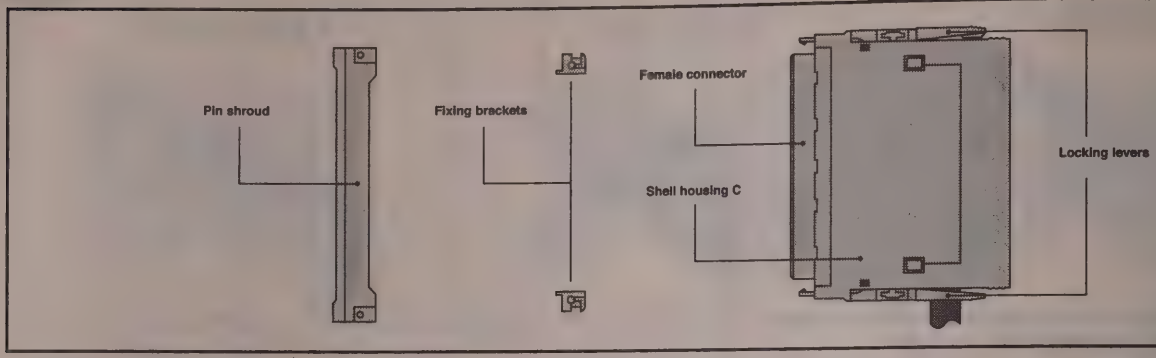
PE FC CRIMP CONTACTS

6 A Power Connector types D, E, and F ✻ Performance level 1 plating (acc to DIN41612, part 5)

For quantities of 100 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each 1	10	25	50
7-09-06-000-8481	09 06 000 8481	Individual Crimp Contacts for female connectors type D, E and F - 26-20 AWG (FC2)	.40	.34	.29	.27
7-09-06-000-8482	09 06 000 8482	Individual Crimp Contacts for female connectors type D, E and F - 20-16 AWG (FC3)	.40	.34	.29	.27
7-09-06-000-8471	09 06 000 8471	Individual Crimp Contacts for female connectors type D, E and F - 26-20 AWG (FC2)	.43	.36	.31	.29
7-09-06-000-8472	09 06 000 8472	Individual Crimp Contacts for female connectors type D, E and F - 20-16 AWG (FC3)	.43	.36	.31	.29

HARTING DIN 41612 and 2mm Hard Metric Connectors



DIN 41612 ACCESSORIES

For quantities of 100 or more, call for qu

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each 1	10	25	50
617-09-03-096-0501	09 03 096 0501	Shell housing C for female connectors types C, D	13.19	11.77	10.32	9.
617-09-02-000-9919	09 02 000 9919	Left fixing bracket for shell housing C - fits male connectors type B, C, D, E	1.20	1.08	.94	.
617-09-02-000-9920	09 02 000 9920	Right fixing bracket for shell housing C - fits male connectors type B, C, D, E	1.20	1.08	.94	.
617-09-02-000-9902	09 02 000 9902	Left locking lever for shell housing C	1.33	1.19	1.04	.
617-09-02-000-9903	09 02 000 9903	Right locking lever for shell housing C	1.51	1.35	1.15	1.
617-09-02-000-9909	09 02 000 9909	Locking Screw for shell housing C	.60	.53	.45	.
617-09-02-000-9911	09 02 000 9911	Round Cable Insert for shell housing C	3.20	2.85	2.43	2.
617-09-03-000-9912	09 03 000 9912	Pin Shroud for 13 mm wire wrap pins	2.71	2.41	2.06	1.
617-09-03-000-9915	09 03 000 9915	Pin Shroud for 17 mm wire wrap pins	3.24	2.88	2.46	2.
617-09-06-048-0521	09 06 048 0521	Shell Housing D20 for types F, H, and MH 20 mm hood width	23.13	20.56	17.54	16.
*617-09-06-000-9912	09 06 000 9912	Fixing bracket for Type D right-angle female	1.62	1.44	1.23	1.
*617-09-03-000-9914	09 03 000 9914	Locking lever for female connector type C	1.51	1.35	1.15	1.
*617-09-03-000-9913	09 03 000 9913	Locking lever for female connector type R	1.58	1.41	1.20	1.

* Order 2 pcs per connector

DIN 41612 TOOLS

For quantities of 10 or more, call for quote.

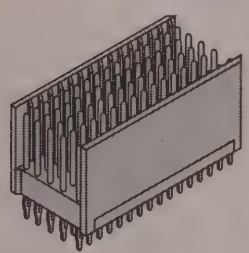
MOUSER STOCK NO.	HARTING Part No.	Description	Price Each 1	5
617-09-99-000-0620	09 99 000 0620	Crimping tool for types BC and FC individual contacts	297.74	267.97
617-09-99-000-0621	09 99 000 0621	Crimp Set for individual contacts 28-24 AWG (BC and FC1)	215.66	194.09
617-09-99-000-0622	09 99 000 0622	Crimp Set for individual contacts 26-20 AWG (FC 2)	215.66	194.09
617-09-99-000-0623	09 99 000 0623	Crimp Set for individual contacts 20-16 AWG (FC 3)	215.66	194.09
617-09-99-000-0630	09 99 000 0630	Locator for type BC contacts	36.00	32.40
617-09-99-000-0100	09 99 000 0100	Insertion tool for type BC contacts	10.87	9.89
617-09-99-000-0101	09 99 000 0101	Removal tool for type BC contacts	12.46	11.34
617-09-99-000-0631	09 99 000 0631	Locator for types FC contacts	36.00	32.40
617-09-99-000-0088	09 99 000 0088	Insertion tool for types FC contacts	2.14	1.95
617-09-99-000-0087	09 99 000 0087	Removal tool for types FC contacts	4.00	3.64
617-09-99-000-0174	09 99 000 0174	Removal tool for Type M	354.76	304.34

Crimp Tool Illustrated

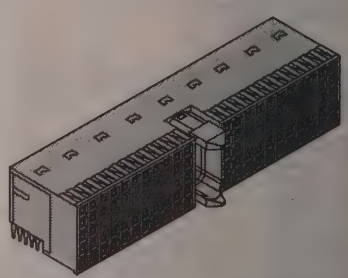
HAR-BUS® HM - 2MM HARD METRIC CONNECTORS

- IEC 61 076-4-101
- Pitch: 2.0 mm
- Contact resistance: 20mΩ
- Press in termination
- Temperature range: -55°C - + 125°C
- Contact Plating: Performance Level 2 plating (acc to IEC 61 076-4-101)
- UL Approved
- Contacts: Copper Alloy
- Moldings: Thermoplastic resin, glass fiber filled
- Type A includes Multi purpose center for guiding, keying and polarizing

har-bus® HM Male
17 04 154 2203 Illustrated



har-bus® HM Female
17 21 110 2102 Illustrated



For quantities of 100 or more, call for qu

MOUSER STOCK NO.	HARTING Part No.	Type	No. of Contacts	Style	Term.	Contact Length (mm) Mating Side	Term. Side	Price Each 1	10	25	50
Male - Compact PCI											
**617-17-01-154-2203	17 01 154 2203	A	154	Straight	Press In	8.2 / 9.7 / 11.2	3.7	6.43	5.90	5.36	4.74
**617-17-01-154-2204	17 01 154 2204	A	154	Straight	Press In	8.2 / 9.7 / 11.2	3.7	7.03	6.45	5.86	5.19
617-17-04-154-2203	17 04 154 2203	B	154	Straight	Press In	9.7 / 11.2	3.7	6.67	6.12	5.56	4.92
Female											
617-17-21-110-2101	17 21 110 2101	A	110	Right-Angle	Press In	-	3.4	6.05	5.54	5.04	4.46
†617-17-21-110-2102	17 21 110 2102	A	110	Right-Angle	Press In	-	3.4	8.11	7.44	6.76	5.98
†617-17-25-095-2102	17 25 095 2102	B	95	Right-Angle	Press In	-	3.4	7.90	7.24	6.58	5.82
617-17-24-110-2101	17 24 110 2101	B	110	Right-Angle	Press In	-	3.4	6.34	5.81	5.28	4.67
†617-17-24-110-2102	17 24 110 2102	B	110	Right-Angle	Press In	-	3.4	8.18	7.50	6.82	6.04
617-17-22-125-2101	17 22 125 2101	B	125	Right-Angle	Press In	-	3.4	6.70	6.14	5.58	4.94
†617-17-22-125-2102	17 22 125 2102	B	125	Right-Angle	Press In	-	3.4	8.93	8.18	7.44	6.58
†617-17-23-055-2102	17 23 055 2102	C	55	Right-Angle	Press In	-	3.4	5.23	4.80	4.36	3.86

† With upper Shield ** Compact PCI and Compact PCI Hot Swap

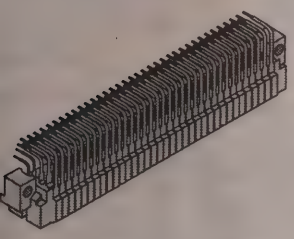
HARTING har-bus® 64 and har-mik® SCSI Connectors

AR-BUS® 64 VME64X EXTENSIONS CONNECTOR SYSTEM

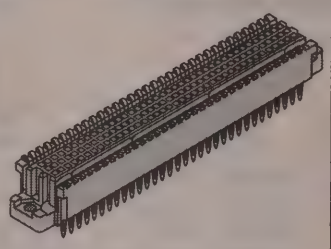
C 61 076-4-113
0% Backward Compatible to 3 Row 96 pin DIN 41612 Connectors
ale Pre-leading contacts at positions d1, d2, d31, and d32
rrent rating: 1 A (at 70°C and all contacts loaded)
ntact Plating: Performance Level 2 plating (acc to DIN41612, part 5)

- Pitch: 2.54 mm
- Temperature Range: -55°C - +125°C
- Contact Resistance: Rows a, b, c: ≤ 20 mΩ; Rows z, d: ≤ 30mΩ
- Moldings: Male connectors LCP
- Female connectors UL94V-0
- Contacts: Copper Alloy
- UL Approved

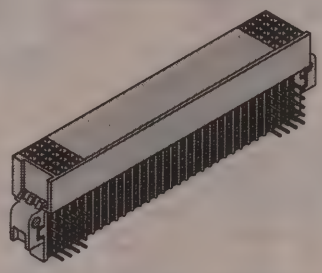
Har-bus® 64 Male
02 01 160 2101 Illustrated



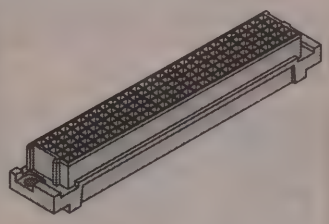
Har-bus® 64 Female
02 02 160 2201 Illustrated



Har-bus® 64 Angled Female
02 04 160 1101 Illustrated



Har-bus® 64 Cable Mount Female
02 05 000 0001 Illustrated



Order contacts separately

For quantities of 100 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Rows	No. of Contacts	Contact Gender	Rows Loaded	Style	Term.	Pin Length (mm)	Price Each 1	10	25	50
Standard												
617-02-01-160-1101	02 01 160 1101	5	160	Male	z, a, b, c, d	Right-Angle	Solder Pins	3.0	23.93	21.67	19.10	17.56
617-02-01-160-2101	02 01 160 2101	5	160	Male	z, a, b, c, d	Right-Angle	Solder Pins	3.0	15.94	14.43	12.72	11.70
617-02-01-160-2102	02 01 160 2102	5	160	Male	z, a, b, c, d	Right-Angle	Solder Pins	3.0	16.66	15.09	13.30	12.23
617-02-02-160-2201	02 02 160 2201	5	160	Female	z, a, b, c, d	Straight	Press-In	5.0	15.77	14.28	12.59	11.58
617-02-02-160-2202	02 02 160 2202	5	160	Female	z, a, b, c, d	Straight	Press-In	5.0	18.22	16.50	14.55	13.37
617-02-02-160-2301	02 02 160 2301	5	160	Female	z, a, b, c, d	Straight	Press-In	17.0	18.13	16.42	14.47	13.30
617-02-05-000-0001	02 05 000 0001	5	160	Female	-	Cable Mount	Crimp Pins	-	7.76	7.03	6.19	5.69
Angled Females Complementary to IEC 61 076-4-113												
617-02-04-160-1101	02 04 160 1101	5	160	Female	z, a, b, c, d	Right-Angle	Solder Pins	2.9	38.12	34.52	30.43	27.98
617-02-07-160-1101	02 07 160 1101	5	160	Female	z, a, b, c, d	Right-Angle	Solder Pins	2.9	79.20	71.72	63.22	58.12

rformance level 1 plating (acc to DIN41612, part 5) ✻✻ with snap-in clips † without fixing flange †† Order contacts separately

essories

For quantities of 100 or more, call for quote.

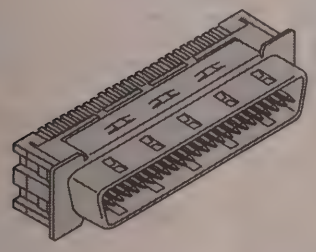
MOUSER STOCK NO.	HARTING Part No.	Description	Price Each 1	5
7-02-05-000-2501	02 05 000 2501	Reel of 500 Crimp Contacts for female connectors - 28-24 AWG	190.69	172.68
7-02-05-000-2502	02 05 000 2502	Reel of 500 Crimp Contacts for female connectors - 26-20 AWG	190.69	172.68
7-02-99-000-0010	02 99 000 0010	Crimp tool	1240.47	1123.34
7-02-99-000-0013	02 99 000 0013	Removal Tool	39.52	35.79
7-02-44-000-0001	02 44 000 0001	Pin Shroud for rear plug up - 160P for PC Board 3.4mm Thick	3.36	3.04

R-MIK® SCSI (SMALL COMPUTER SYSTEM INTERFACE) I/O CONNECTORS

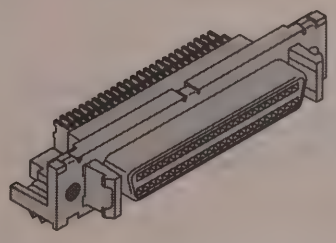
ets SCSI-2 Specifications
and Socket
ch: 1.27 mm
rrent rating: 1 A
ntact resistance: ≤ 30mΩ

- Temperature Range: -55°C - +105°C
- UL Recognized
- Contacts: Copper Alloy
- Moldings: Thermo plastic resin, glass fiber filled - UL94V-0
- Insulation diameter for 60 03 050 5200 and 60 03 068 5200: 0.50 - 0.65
- Insulation diameter for 60 03 068 5210: 0.65 - 0.80

Har-mik® SCSI Male
60 03 068 5210 Illustrated



Har-mik® SCSI Female
60 01 050 5140 Illustrated



For quantities of 100 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Contact Gender	Style	Term.	Pin Length (mm)	Description	Price Each 1	10	25	50
617-60-01-050-5102	60 01 050 5102	50	Female	Straight	Solder Pins	3.4	with latch system	4.99	4.58	4.16	3.68
617-60-01-068-5102	60 01 068 5102	68	Female	Straight	Solder Pins	3.4	with latch system	7.78	7.13	6.48	5.73
617-60-01-050-5140	60 01 050 5140	50	Female	Right-Angle	Solder Pins	3.4	with latch system	4.94	4.53	4.12	3.65
617-60-01-068-5140	60 01 068 5140	68	Female	Right-Angle	Solder Pins	3.4	with latch system	7.46	6.84	6.22	5.50
617-60-02-068-5322	60 02 068 5322	68	Female	Straight	Press-In	4.5	-	11.04	10.12	9.20	8.14
617-60-03-050-5200	60 03 050 5200	50	Male	Cable Mount	IDC	-	for discrete wire 28/30 AWG	4.49	4.11	3.74	3.31
617-60-03-068-5200	60 03 068 5200	68	Male	Cable Mount	IDC	-	for discrete wire 28/30 AWG	6.22	5.70	5.18	4.58
617-60-03-068-5210	60 03 068 5210	68	Male	Cable Mount	IDC	-	for discrete wire 28/30 AWG	6.22	5.70	5.18	4.58
617-60-06-050-5440	60 06 050 5440	50	Male	Cable Mount	IDC	-	for flat cable, .635 mm, 30 AWG	8.18	7.50	6.82	6.04
617-60-06-068-5440	60 06 068 5440	68	Male	Cable Mount	IDC	-	for flat cable, .635 mm, 30 AWG	8.30	7.61	6.92	6.12
617-60-04-050-5343	60 04 050 5343	50	Female	Cable Mount	IDC	-	for flat cable w/ latch system, .635 mm	10.70	9.81	8.92	7.89
617-60-04-068-5343	60 04 068 5343	68	Female	Cable Mount	IDC	-	for flat cable w/ latch system, .635 mm	12.07	11.07	10.06	8.90
617-60-04-068-5344	60 04 068 5344	68	Female	Cable Mount	IDC	-	for flat cable w/ screw lock system, .635 mm	16.66	15.27	13.88	12.28
ccessories											
617-60-03-050-0255	60 03 050 0255	50	Metal hood with latch					5.78	5.30	4.82	4.27
617-60-03-068-0255	60 03 068 0255	68	Metal hood with latch					6.29	5.76	5.24	4.64

anel fixing: M2.5, Board fixing: board lock

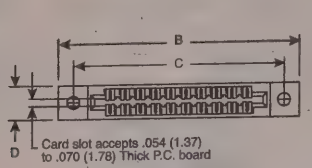
EDAC

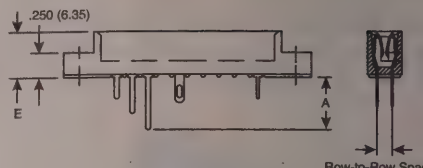
DIMENSIONS In. (m

CARD EDGE CONNECTORS

Solder Tail

Specifications:
- Insulator Material: Thermoplastic Polyester, UL 94V-O
- Contact Material: Copper, Nickel, Tin Alloy CA-725 or Phosphor Bronze Alloy CA-510
- Contact Plating: Gold on mating area, tin-lead on contact tails, nickel underplate.
- Colors: Series 305,306, 341, and 346 are green. Series 357 and 395 are black.
- Insulation Resistance: 5000 megohms @ 500 VDC
- Dielectric Withstanding Voltage: 1500 VAC RMS at sea level
- Current Rating: 3 Amps.
- Contact Resistance: 6 milliohms maximum.





For quantities of 250 and up, call for qu

MOUSER STOCK NO.	EDAC Part No.	Number of Contacts	Spacing In. (mm)		Dimensions In. (mm)					Price Each			
			Row-to-Row	Contact Centers	A	B	C	D	E	1	25	50	10
*587-306-52-010	306-010-520-102	10	-	.156 (3.96)	.213 (5.41)	2.466 (62.64)	2.156 (54.76)	.343 (8.71)	.460 (11.68)	1.77	1.56	1.37	1.3
587-341-012	341-012-520-202	12	.140 (3.56)	.100 (2.54)	.125 (3.18)	1.475 (37.47)	1.175 (29.85)	.330 (8.38)	.437 (11.10)	2.39	2.11	1.58	1.4
587-305-52-012	305-012-520-202	12	.140 (3.56)	.156 (3.96)	.213 (5.41)	1.842 (46.79)	1.532 (38.91)	.343 (8.71)	.460 (11.68)	1.43	1.26	1.16	1.1
*587-306-52-015	306-015-520-102	15	-	.156 (3.96)	.213 (5.41)	3.246 (82.45)	2.936 (74.57)	.343 (8.71)	.460 (11.68)	2.39	2.11	1.94	1.8
*587-306-52-018	306-018-520-102	18	-	.156 (3.96)	.213 (5.41)	3.714 (94.34)	3.404 (86.46)	.343 (8.71)	.460 (11.68)	2.76	2.44	2.24	2.1
587-341-020	341-020-520-202	20	.140 (3.56)	.100 (2.54)	.125 (3.18)	1.875 (47.63)	1.575 (40.01)	.330 (8.38)	.437 (11.10)	2.60	2.31	1.98	1.8
587-395-020	395-020-520-202	20	.200 (5.08)	.100 (2.54)	.175 (4.45)	1.835 (46.61)	1.575 (40.01)	.370 (9.40)	.600 (15.24)	2.17	1.92	1.33	1.2
587-305-52-020	305-020-520-202	20	.140 (3.56)	.156 (3.96)	.213 (5.41)	2.466 (62.64)	2.156 (54.76)	.343 (8.71)	.460 (11.68)	1.86	1.65	1.52	1.4
587-357-020	357-020-520-202	20	.200 (5.08)	.156 (3.96)	.213 (5.41)	2.466 (62.64)	2.156 (54.76)	.343 (8.71)	.460 (11.68)	1.98	1.76	1.54	1.4
*587-306-52-022	306-022-520-102	22	-	.156 (3.96)	.213 (5.41)	4.338 (110.19)	4.028 (102.31)	.343 (8.71)	.460 (11.68)	3.22	2.86	2.62	2.4
587-305-52-024	305-024-520-202	24	.140 (3.56)	.156 (3.96)	.213 (5.41)	2.778 (70.56)	2.468 (62.69)	.343 (8.71)	.460 (11.68)	2.14	1.89	1.73	1.6
587-357-024	357-024-520-202	24	.200 (5.08)	.156 (3.96)	.213 (5.41)	2.778 (70.56)	2.468 (62.69)	.343 (8.71)	.460 (11.68)	2.08	1.84	1.63	1.5
587-395-026	395-026-520-202	26	.200 (5.08)	.100 (2.54)	.175 (4.45)	2.135 (54.23)	1.875 (47.63)	.370 (9.40)	.600 (15.24)	2.36	1.67	1.46	1.3
587-341-030	341-030-520-202	30	.140 (3.56)	.100 (2.54)	.125 (3.18)	2.375 (60.33)	2.075 (52.71)	.330 (8.38)	.437 (11.10)	2.88	2.55	2.22	2.1
587-395-030	395-030-520-202	30	.200 (5.08)	.100 (2.54)	.175 (4.45)	2.335 (59.31)	2.075 (52.71)	.370 (9.40)	.600 (15.24)	2.48	2.20	1.54	1.4
587-305-52-030	305-030-520-202	30	.140 (3.56)	.156 (3.96)	.213 (5.41)	3.246 (82.45)	2.936 (74.57)	.343 (8.71)	.460 (11.68)	2.42	2.14	1.96	1.8
587-357-030	357-030-520-202	30	.200 (5.08)	.156 (3.96)	.213 (5.41)	3.246 (82.45)	2.936 (74.57)	.343 (8.71)	.460 (11.68)	2.39	2.11	1.91	1.8
587-395-036	395-036-520-202	36	.200 (5.08)	.100 (2.54)	.175 (4.45)	2.635 (66.93)	2.375 (60.33)	.370 (9.40)	.600 (15.24)	2.60	2.31	1.63	1.5
587-305-52-036	305-036-520-202	36	.140 (3.56)	.156 (3.96)	.213 (5.41)	3.714 (94.34)	3.404 (86.46)	.343 (8.71)	.460 (11.68)	2.76	2.44	2.24	2.1
587-357-036	357-036-520-202	36	.200 (5.08)	.156 (3.96)	.213 (5.41)	3.714 (94.34)	3.404 (86.46)	.343 (8.71)	.460 (11.68)	2.73	2.42	2.35	2.0
587-341-040	341-040-520-202	40	.140 (3.56)	.100 (2.54)	.125 (3.18)	2.875 (73.03)	2.575 (65.41)	.330 (8.38)	.437 (11.10)	3.16	2.80	2.39	2.2
587-395-040	395-040-520-202	40	.200 (5.08)	.100 (2.54)	.175 (4.45)	2.835 (72.01)	2.575 (65.41)	.370 (9.40)	.600 (15.24)	2.79	2.47	1.71	1.6
587-395-044	395-044-520-202	44	.200 (5.08)	.100 (2.54)	.175 (4.45)	3.035 (77.09)	2.775 (70.49)	.370 (9.40)	.600 (15.24)	2.95	2.61	1.81	1.7
587-346-044	346-044-520-202	44	.250 (6.35)	.125 (3.18)	.175 (4.45)	3.560 (90.42)	3.295 (83.69)	.370 (9.40)	.600 (15.24)	3.22	2.86	1.88	1.7
587-305-52-044	305-044-520-202	44	.140 (3.56)	.156 (3.96)	.213 (5.41)	4.338 (110.19)	4.028 (102.31)	.343 (8.71)	.460 (11.68)	3.19	2.83	2.60	2.4
587-357-044	357-044-520-202	44	.200 (5.08)	.156 (3.96)	.213 (5.41)	4.338 (110.19)	4.028 (102.31)	.343 (8.71)	.460 (11.68)	3.10	2.75	2.22	2.1
587-341-050	341-050-520-202	50	.140 (3.56)	.100 (2.54)	.125 (3.18)	3.375 (85.73)	3.075 (78.11)	.330 (8.38)	.437 (11.10)	3.50	3.10	2.64	2.5
587-395-050	395-050-520-202	50	.200 (5.08)	.100 (2.54)	.175 (4.45)	3.335 (84.71)	3.075 (78.11)	.370 (9.40)	.600 (15.24)	3.13	2.77	2.05	1.9
587-395-056	395-056-520-202	56	.200 (5.08)	.100 (2.54)	.175 (4.45)	3.635 (92.33)	3.375 (85.73)	.370 (9.40)	.600 (15.24)	3.32	2.94	2.15	2.0
587-346-056	346-056-520-202	56	.250 (6.35)	.125 (3.18)	.175 (4.45)	4.310 (109.47)	4.045 (102.74)	.370 (9.40)	.600 (15.24)	3.60	3.19	2.22	2.1
587-395-060	395-060-520-202	60	.200 (5.08)	.100 (2.54)	.175 (4.45)	3.835 (97.41)	3.575 (90.81)	.370 (9.40)	.600 (15.24)	3.44	3.05	2.22	2.1
587-395-062	395-062-520-202	62	.200 (5.08)	.100 (2.54)	.175 (4.45)	3.935 (99.95)	3.675 (93.35)	.370 (9.40)	.600 (15.24)	3.53	3.13	2.39	2.2
587-346-072	346-072-520-202	72	.250 (6.35)	.125 (3.18)	.175 (4.45)	5.310 (134.87)	5.045 (128.14)	.370 (9.40)	.600 (15.24)	4.34	3.85	2.66	2.5
587-346-100	346-100-520-202	100	.250 (6.35)	.125 (3.18)	.175 (4.45)	7.060 (170.32)	6.795 (172.59)	.370 (9.40)	.600 (15.24)	5.46	4.84	3.86	3.6

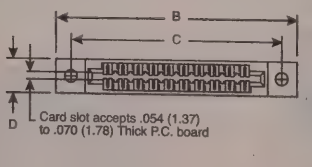
* Single Row

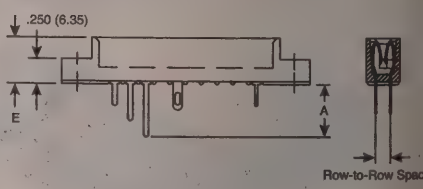
CARD EDGE CONNECTORS

DIMENSIONS In. (m

Solder Eyelets

Specifications:
- Insulator Material: Thermoplastic Polyester, UL 94V-O
- Contact Material: Copper, Nickel, Tin Alloy CA-725 or Phosphor Bronze Alloy CA-510
- Contact Plating: Gold on mating area, tin-lead on contact tails, nickel underplate.
- Colors: Series 305,306 and 307 are green.
- Insulation Resistance: 5000 megohms @ 500 VDC
- Dielectric Withstanding Voltage: 1500 VAC RMS at sea level
- Current Rating: 3 Amps.
- Contact Resistance: 6 milliohms maximum.



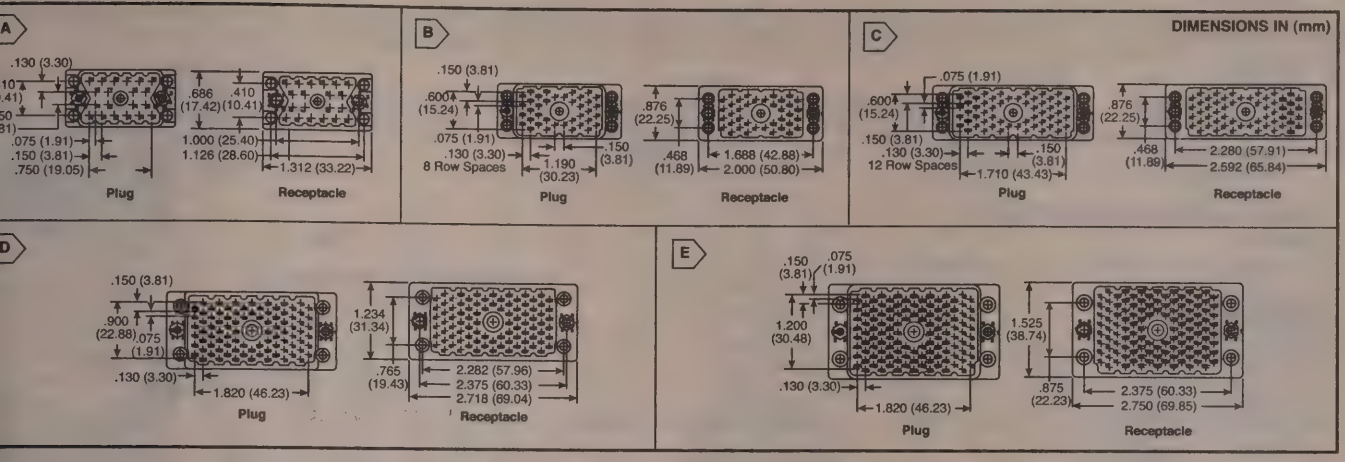


For quantities of 250 and up, call for qu

MOUSER STOCK NO.	EDAC Part No.	Number of Contacts	Spacing In. (mm)		Dimensions In. (mm)					Price Each			
			Row-to-Row	Contact Centers	A	B	C	D	E	1	25	50	10
*587-306-50-010	306-010-500-102	10	-	.156 (3.96)	.282 (7.16)	2.466 (62.64)	2.156 (54.76)	.343 (8.71)	.460 (11.68)	1.77	1.56	1.43	1.3
587-305-50-012	305-012-500-202	12	.140 (3.56)	.156 (3.96)	.282 (7.16)	1.842 (46.79)	1.532 (38.91)	.343 (8.71)	.460 (11.68)	1.43	1.26	1.16	1.1
587-307-012	307-012-500-202	12	.200 (5.08)	.156 (3.96)	.282 (7.16)	1.842 (46.79)	1.532 (38.91)	.343 (8.71)	.460 (11.68)	1.52	1.34	1.12	1.0
*587-306-50-015	306-015-500-102	15	-	.156 (3.96)	.282 (7.16)	3.246 (82.45)	2.936 (74.57)	.343 (8.71)	.460 (11.68)	2.39	2.11	1.92	1.8
*587-306-50-018	306-018-500-102	18	-	.156 (3.96)	.282 (7.16)	3.714 (94.34)	3.404 (86.46)	.343 (8.71)	.460 (11.68)	2.76	2.44	2.24	2.1
587-305-50-020	305-020-500-202	20	.140 (3.56)	.156 (3.96)	.282 (7.16)	2.466 (62.64)	2.156 (54.76)	.343 (8.71)	.460 (11.68)	1.86	1.65	1.52	1.4
587-307-020	307-020-500-202	20	.200 (5.08)	.156 (3.96)	.282 (7.16)	2.466 (62.64)	2.156 (54.76)	.343 (8.71)	.460 (11.68)	1.98	1.76	1.54	1.4
*587-306-50-022	306-022-500-102	22	-	.156 (3.96)	.282 (7.16)	4.338 (110.19)	4.028 (102.31)	.343 (8.71)	.460 (11.68)	3.22	2.86	2.62	2.4
587-305-50-024	305-024-500-202	24	.140 (3.56)	.156 (3.96)	.282 (7.16)	2.778 (70.56)	2.468 (62.69)	.343 (8.71)	.460 (11.68)	2.14	1.89	1.73	1.6
587-307-024	307-024-500-202	24	.200 (5.08)	.156 (3.96)	.282 (7.16)	2.778 (70.56)	2.468 (62.69)	.343 (8.71)	.460 (11.68)	2.08	1.84	1.63	1.5
587-305-50-030	305-030-500-202	30	.140 (3.56)	.156 (3.96)	.282 (7.16)	3.246 (82.45)	2.936 (74.57)	.343 (8.71)	.460 (11.68)	2.42	2.14	1.96	1.8
587-307-030	307-030-500-202	30	.200 (5.08)	.156 (3.96)	.282 (7.16)	3.246 (82.45)	2.936 (74.57)	.343 (8.71)	.460 (11.68)	2.39	2.11	1.63	1.5
587-305-50-036	305-036-500-202	36	.140 (3.56)	.156 (3.96)	.282 (7.16)	3.714 (94.34)	3.404 (86.46)	.343 (8.71)	.460 (11.68)	2.76	2.44	2.24	2.1
587-307-036	307-036-500-202	36	.200 (5.08)	.156 (3.96)	.282 (7.16)	3.714 (94.34)	3.404 (86.46)	.343 (8.71)	.460 (11.68)	2.73	2.42	1.88	1.7
587-305-50-044	305-044-500-202	44	.140 (3.56)	.156 (3.96)	.282 (7.16)	4.338 (110.19)	4.028 (102.31)	.343 (8.71)	.460 (11.68)	3.41	3.02	2.77	2.6
587-307-044	307-044-500-202	44	.200 (5.08)	.156 (3.96)	.282 (7.16)	4.338 (110.19)	4.028 (102.31)	.343 (8.71)	.460 (11.68)	3.19	2.83	2.22	2.1

* Single Row

DIMENSIONS IN (mm)



ACK AND PANEL CONNECTORS

tures:

- L Recognized
- ug and Receptacle in 20, 38, 56, 90 and 120 contact sizes
- ghly reliable Edacon Hermaphroditic
- ontact Design with four contact mating surfaces
- ontact termination options include:
- rimp, P.C. Tail, Wire Hole, and Wire Wrap
- ating and unmating simplified with actuating screws
- ptional metal covers with side entry available for all connector sizes
- rsatile metal cover design permits assembly of disassembly
- ter cabling is complete plus cable entry style flexibility.

ecifications:

- sulator Material: Series 100 and 200: Green Diallyl Phthalate
  Series 300 and 400: Gray Polycarbonate
- ontact Material: Phosphor Bronze Alloy CA-510
- ontact Plating: Gold over Nickel
- over Material: Die-cast Zinc, finished with grey enamel paint
- urrent Rating: 8.5 Amps
- ontact Resistance: 10 Milliohms maximum
- electric Withstanding Voltage: 2000VAC rms at sea level
- sulation Resistance: 5000 Megohms minimum
- perating Temperature: -65 to +125 degrees C
- sertion and Withdrawal Force: 2 to 16 oz.(0.56 to 4.45 N) per contact pos.

Plugs

For quantities of 500 and up, call for quote.

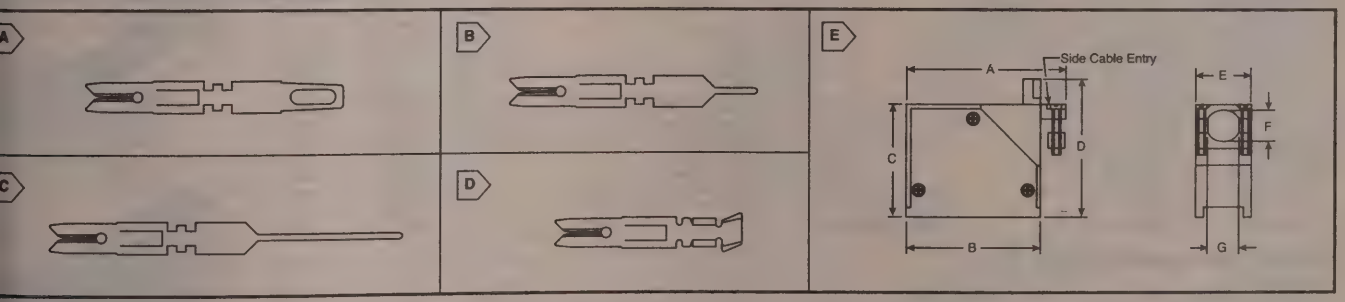
MOUSER STOCK NO.	EDAC Part No.	Fig.	Number of Contacts	Description	Price Each			
					1	10	25	100
587-020-301	516-020-000-301	A	20	With Screw	8.00	6.65	6.08	5.76
587-020-302	516-020-000-302	A	20	With Nut	6.26	5.20	4.70	4.16
587-038-301	516-038-000-301	B	38	With Screw	7.63	6.65	5.80	5.49
587-038-302	516-038-000-302	B	38	With Nut	5.50	4.78	4.18	3.96
587-056-301	516-056-000-301	C	56	With Screw	7.88	6.85	5.99	5.67
587-056-302	516-056-000-302	C	56	With Nut	5.75	5.00	4.37	4.14
587-090-301	516-090-000-301	D	90	With Screw	16.95	14.76	12.72	12.07
587-090-302	516-090-000-302	D	90	With Nut	7.71	6.50	5.78	5.20
587-120-101	516-120-000-101	E	120	With Screw	18.75	16.31	14.25	13.50
587-120-102	516-120-000-102	E	120	With Nut	9.13	7.94	6.94	6.57

Receptacles

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	Number of Contacts	Description	Price Each			
					1	10	25	100
587-020-401	516-020-000-401	A	20	With Screw	7.25	6.30	5.51	5.22
587-020-402	516-020-000-402	A	20	With Nut	6.16	5.00	4.62	4.50
587-038-401	516-038-000-401	B	38	With Screw	7.63	6.65	5.80	5.49
587-038-402	516-038-000-402	B	38	With Nut	5.50	4.78	4.18	3.96
587-056-401	516-056-000-401	C	56	With Screw	7.88	6.85	5.99	5.67
587-056-402	516-056-000-402	C	56	With Nut	5.63	5.00	4.28	4.05
587-090-401	516-090-000-401	D	90	With Screw	13.11	12.42	11.73	11.04
587-090-402	516-090-000-402	D	90	With Nut	7.00	6.10	5.32	5.04
587-120-201	516-120-000-201	E	120	With Screw	18.88	16.43	14.35	13.59
587-120-202	516-120-000-202	E	120	With Nut	9.50	8.26	7.22	6.84

ACK AND PANEL ACCESSORIES



ntacts

For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	EDAC Part No.	Fig.	Description	Price Each		
				1	100	500
7-290-500	516-290-500	A	Wire Hole	.16	.15	.14
7-290-520	516-290-520	B	P.C. Tail	.15	.14	.13
7-290-541	516-290-541	C	Wirewrap	.19	.18	.17
7-290-590	516-290-590	D	Crimp	.17	.15	.14

Tools

MOUSER STOCK NO.	EDAC Part No.	Description	Price Each
587-280-201	516-280-201	Crimp Tool	159.00
587-280-300	516-280-300	Extraction Tool	49.00

ial Covers - Side Entry

tures:

- e cast Zinc finished with a gray enamel paint
- vers with side entry cable clamp.
- ientation of clamp on metal covers may be changed by the customer.
- rsatile metal cover design permits assembly
- disassembly after cabling is complete
- rews for securing cover to 516 series connectors supplied

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Contacts	Dimensions (mm)							Price Each			
				A	B	C	D	E	F	G	1	10	25	100
587-230-520	516-230-520	E	20	39.09	33.66	23.01	28.45	17.42	11.33	12.45	14.08	11.52	10.56	8.52
587-230-538	516-230-538	E	38	56.03	51.05	39.78	44.86	22.23	18.29	14.61	13.88	12.08	10.55	10.00
587-230-556	516-230-556	E	56	71.17	66.09	39.78	44.86	22.23	18.29	14.61	15.13	13.16	11.50	10.89
587-230-590	516-230-590	E	90	79.20	69.04	45.09	55.25	31.34	22.35	22.86	15.86	13.83	12.71	10.82
587-230-512	516-230-512	E	120	80.65	69.85	51.31	62.10	38.89	22.61	27.43	16.88	14.67	12.83	12.15

AMP Power Series Connectors

tyco Electronics

AMP Power Series Connectors provide a durable, quick connect/disconnect means to transmit "power" levels of current and voltage (15-275 A, 600 V AC/DC). This product family is primarily comprised of single-pole and 2-pole (battery) connector housings, crimp snap-in contacts, and accessories. Housings are offered in various colors. Two-pole housings have different polarization configurations with the exception of black housings, each color identifies a different keying configuration. In general, only like color housings will mate.

Specifications:

- Voltage Rating: 600V AC and DC
- Color-coded Housings, UL94V-0
- Hermaphroditic housings reduce inventory
- Modular, single pole housings are stackable in four directions
- Polarity (+ and -) molded into 2-pole housings
- Mechanical keys help prevent two different color-coded housings from mating
- Stainless steel retaining springs secure contacts in housings

Applications:

- AC/DC power supplies and charging systems
- Rechargeable batteries
- Material handling equipment (forklift trucks)
- Electric vehicles (golf carts, sweepers, wheelchairs)
- Office furniture/Panels
- Amateur Emergency Radios
- Industrial Equipment

SERIES 15/30/45 CONNECTORS

Single-Pole

- 40A with 10AWG wire (Series 45)
- 30A with 12AWG wire (Series 30)
- 20A with 16AWG wire (Series 15)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	25	50	100
571-14459571	1445957-1	A	Housing: Blue	.39	.35	.33	.31
571-14459572	1445957-2	A	Housing: Black	.39	.35	.33	.31
571-14459573	1445957-3	A	Housing: White	.39	.35	.33	.31
571-14459574	1445957-4	A	Housing: Green	.39	.35	.33	.31
571-14459575	1445957-5	A	Housing: Red	.39	.35	.33	.31
571-16041132	1604113-2	B	Contact: 16, 18, 20 AWG	.15	.13	.11	.09
571-16041122	1604112-2	B	Contact: 12, 14, 16 AWG	.17	.15	.14	.12
571-14459622	1445962-2	B	Contact: 10, 12, 14 AWG	.17	.15	.14	.12
571-14459601	1445960-1	-	Mounting Wing: Red	.30	.27	.26	.24
571-14459591	1445959-1	-	Spacer: Red, Short	.28	.25	.24	.23
571-14459592	1445959-2	-	Spacer: Red, Long	.28	.25	.24	.23
571-14458864	1445886-4	-	Retaining Pin: .25 [6.35] length	.29	.26	.24	.23
571-14458865	1445886-5	-	Retaining Pin: .44 [11.18] length	.27	.24	.23	.22
571-14458866	1445886-6	-	Retaining Pin: .85 [21.6] length	.20	.19	.18	.17
571-16040771	1604077-1	-	Receptacle Housing: 2, 3, 4 pole	.71	.63	.57	.54
571-16040801	1604080-1	-	Plug Frame w/out Latch: 2, 3, 4 pole	.84	.75	.67	.64
571-16040831	1604083-1	-	Plug Frame w/ Latch: 2, 3, 4 pole	.80	.71	.64	.60

SERIES 50 CONNECTORS

2-Pole Battery

- Cold-headed contact wire range: 6, 8, 10-12 AWG
- 50 amp per circuit with 6AWG wire
- Black color housing has the same mechanical key as the gray housing
- Contacts and accessories are listed in the 75 Series Connectors

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	25	50	100
571-6478453	647845-3	C	Housing: Red	1.94	1.74	1.65	1.57
571-6478454	647845-4	C	Housing: Gray	1.94	1.74	1.65	1.57
571-6478455	647845-5	C	Housing: Blue	1.94	1.74	1.65	1.57
571-6478457	647845-7	C	Housing: Black	1.94	1.74	1.65	1.57
571-6478458	647845-8	C	Housing: Yellow	1.94	1.74	1.65	1.57

SERIES 75 CONNECTORS

Single Pole

- Cold-headed contact wire range: 6, 8, 10-12 AWG
- Current Carying Capability (with 6AWG) - Configuration:
  Single-Pole: 75A, 1x2 Stacked: 62A, 2x2 Stacked: 60A,
  1x3 Stacked: 58A, 2x3 Stacked: 52A

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	25	50	100
571-14457151	1445715-1	D	Housing: Blue	1.49	1.34	1.27	1.21
571-14457152	1445715-2	D	Housing: Black	1.49	1.34	1.27	1.21
571-14457153	1445715-3	D	Housing: White	1.49	1.34	1.27	1.21
571-14457154	1445715-4	D	Housing: Green	1.49	1.34	1.27	1.21
571-14457155	1445715-5	D	Housing: Red	1.49	1.34	1.27	1.21
571-6478771	647877-1	E	Contact: 6 AWG for 50 and 75 Series	1.02	.91	.87	.82
571-6478781	647878-1	E	Contact: 8 AWG for 50 and 75 Series	1.02	.91	.87	.82
571-6478791	647879-1	E	Contact: 10-12 AWG for 50 and 75 Series	1.02	.91	.87	.82
571-14457291	1445729-1	-	Mounting Wings: Blue, Oval	.78	.70	.67	.63
571-14457292	1445729-2	-	Mounting Wings: Blue, Round	.78	.70	.67	.63
571-14457621	1445762-1	-	Reducing Bushing: 6 to 8 AWG for 50 and 75 Series	1.17	1.05	.99	.94
571-6478401	647840-1	-	Reducing Bushing: 6 to 10-12 AWG for 50 and 75 Series	1.17	1.05	.99	.94
571-14457631	1445763-1	-	Reducing Bushing: 6 to 14-16 AWG for 50 and 75 Series	1.17	1.05	.99	.94

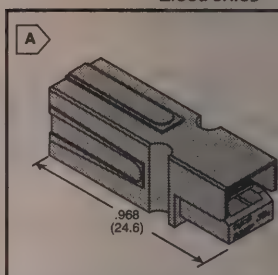
SERIES 120 CONNECTORS

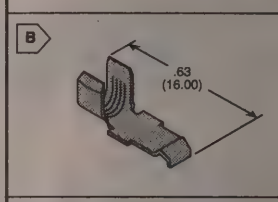
Single Pole

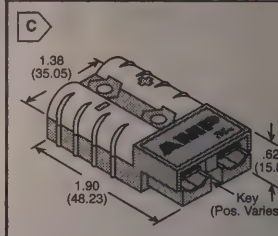
- Cold-headed contact wire range: 2, 4, 6 AWG
- Current Carying Capability - Configuration:
  Single-Pole: 120A, 2x1 Stacked Array: 115A,
  2x2 Stacked Array: 115A

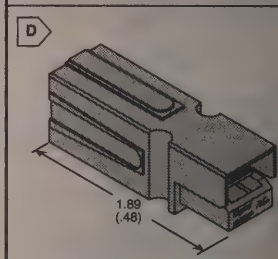
For quantities of 500 and up, call for quote.

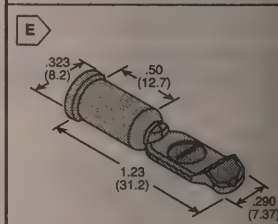
MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	25	50	100
571-16040011	1604001-1	F	Housing: Blue	3.48	3.12	2.96	2.81
571-16040012	1604001-2	F	Housing: Black	3.48	3.12	2.96	2.81
571-16040013	1604001-3	F	Housing: White	3.48	3.12	2.96	2.81
571-16040014	1604001-4	F	Housing: Green	3.48	3.12	2.96	2.81
571-16040015	1604001-5	F	Housing: Red	3.48	3.12	2.96	2.81
571-14459951	1445995-1	G	Contact: 2 AWG	2.59	2.32	2.20	2.09
571-14459961	1445996-1	G	Contact: 4 AWG	2.59	2.32	2.20	2.09
571-14459971	1445997-1	G	Contact: 6 AWG	3.26	2.92	2.77	2.63
571-14458861	1445886-1	-	Retaining Pins: 75A/120A/180A hsgs, 1 high block	.65	.58	.55	.52
571-14458862	1445886-2	-	Retaining Pins: 75A/120A/180A hsgs, 2 high block	.78	.70	.66	.63
571-14458863	1445886-3	-	Retaining Pins: 75A/120A/180A hsgs, 3 high block	1.21	1.09	1.03	.98
571-16040723	1604072-3	-	Reducing Bushings: 2 to 4 AWG	1.60	1.43	1.36	1.29
571-16040722	1604072-2	-	Reducing Bushings: 2 to 6 AWG	1.60	1.43	1.36	1.29
571-16040721	1604072-1	-	Reducing Bushings: 2 to 8 AWG	1.60	1.43	1.36	1.29

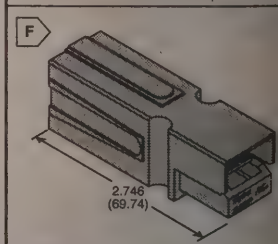


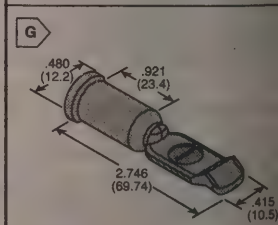












MOUSER ELECTRONICS a tti company (800) 346-6873

AMP Power Lock Connectors

tyco Electronics

Power Lock Connectors have hermaphroditic housing and contact designs. The hermaphroditic housings are also modular in design and lit the clustering of connectors of the same series. Housings are made of impact resistant thermoplastic with stainless steel locking springs ontact stability. High current handling capability: 31 or 53 amperes maximum depending on application.

MP SERIES I CONNECTORS

12 AWG

gle-Circuit Housing Assemblies

E-28476 LR 7189

erial:

ousing: Polycarbonate

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	AMP Part No.	Fig.	Color	Price Each 1	25	50	100
-538941	53894-1	A	White	1.11	1.00	.94	.89
-538942	53894-2	A	Black	.64	.57	.54	.51
-538943	53894-3	A	Green	1.11	1.00	.94	.89
-53894-4	53894-4	A	Red	.64	.57	.54	.51
-538945	53894-5	A	Yellow	1.11	1.00	.94	.89
-538946	53894-6	A	Blue	.64	.57	.54	.51

o 6 Position In-Line Housings

he housings with and without mounting flanges can be mated with arranged clusters of single-circuit housings.

erial:

ousing: Nylon, natural color

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	AMP Part No.	Fig.	No. of Postions	Description	Dimensions In. A	B*	Price Each 1	25	50	100
-544892	54489-2	B	2	with flanges	0.624	0.874	1.85	1.66	1.57	1.48
-544832	54483-2	C	2	without flanges	0.624	------	1.82	1.64	1.55	1.46
-544893	54489-3	B	3	with flanges	0.936	1.186	2.70	2.44	2.30	2.16
-544894	54489-4	B	4	with flanges	1.248	1.498	3.57	3.22	3.04	2.86
-544834	54483-4	C	4	without flanges	1.248	------	3.15	2.83	2.68	2.52
-544896	54489-6	B	6	with flanges	1.872	2.122	5.07	4.56	4.31	4.06

imension required only for housing with mounting flanges

unting Adapter

be mounted, thru-panel, vertical or surface mount.

erial:

ousing: Polycarbonate, Red

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	AMP Part No.	Fig.	Price Each 1	25	50	100
-543151	54315-1	D	.97	.87	.82	.77

ntacts

erial:

ontact: Copper -.035(.089)

ating: Silver or Gold

old: .000030 (0.00076) gold over .000050 (0.0013) nickel

For quantities of 2000 and up, call for quote.

MOUSER TOCK NO.	AMP Part No.	Fig.	Type	Plating	Wire Size AWG	Price Each 1	100	500	1000
-53892-4	53892-4	E	Crimp	Silver	18-12	.44	.37	.29	.26
-538927	53892-7	E	Crimp	Gold	18-12	1.86	1.67	1.59	1.49
-543291	54329-1	F	Solder	Silver	12 Max.	.47	.39	.31	.28
-54326-2	54326-2	G	Posted	Silver	----------	1.30	1.17	1.11	1.04
-543261	54326-1	G	Posted	Gold	----------	2.69	2.42	2.28	2.15

MP SERIES II CONNECTORS

6 AWG

nnector Housing Assembly

E-28476 LR 7189

erial:

ousing: Polycarbonate

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	AMP Part No.	Fig.	Color	Price Each 1	25	50	100
-538841	53884-1	H	Blue	2.30	2.07	1.95	1.84
-538843	53884-3	H	Black	3.26	2.93	2.77	2.60
-538844	53884-4	H	Red	3.41	3.07	2.90	2.73

dapters

erial:

ousing: Polycarbonate, Blue

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	AMP Part No.	Fig.	Type	Description	Price Each 1	25	50	100
-538861	53886-1	I	Female	Panel Mount	3.32	3.00	2.82	2.66
-538871	53887-1	J	Male	Panel Mount	3.32	3.00	2.82	2.66
-538851	53885-1	K	----------	Surface Mount	7.74	6.97	6.58	6.19

ntacts

erial:

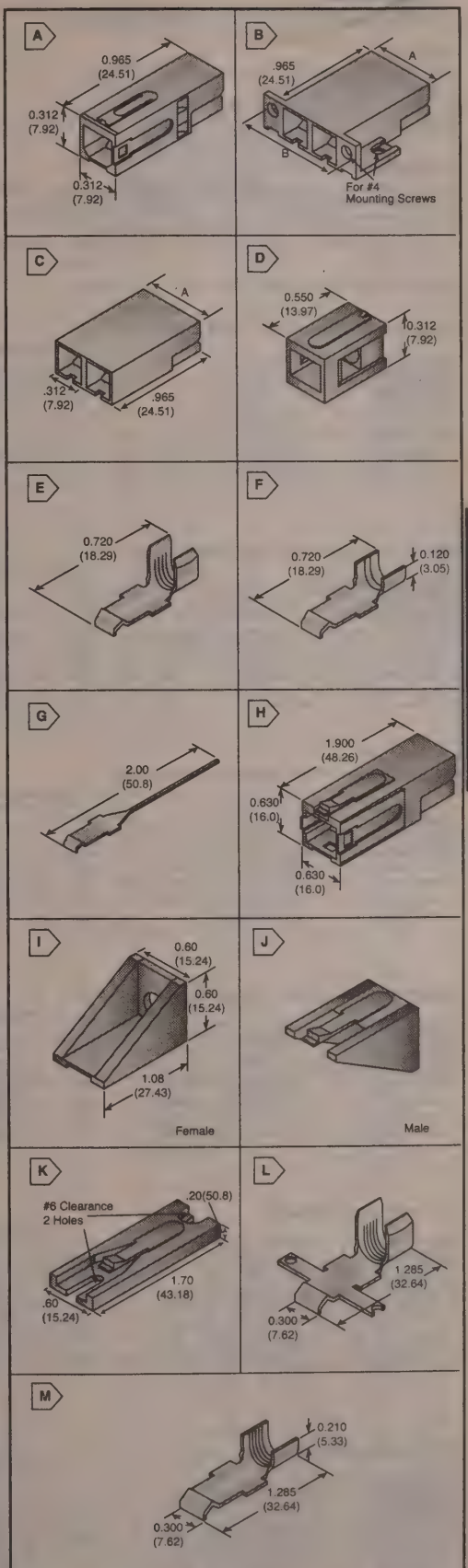
ontact: Copper -.048(1.22)

For quantities of 2000 and up, call for quote.

MOUSER TOCK NO.	AMP Part No.	Fig.	Type	Plating	Wire Size AWG	Price Each 1	100	500	1000
-538804	53880-4	L	Crimp	Silver	10-6	.80	.73	.68	.65
-543301	54330-1	M	Solder	Silver	6 Max.	1.48	1.34	1.26	1.18

OOLS

MOUSER TOCK NO.	AMP Part No.	Description	Wire Size AWG	Price Each
-68347-1	68347-1	Hand tool for Series I crimp contacts	16-12	2786.00
-68321-1	68321-1	Hand tool for Series II crimp contacts	14-6	2282.00
-68265-1	68265-1	Extraction tool	- - -	553.00



JONES PLUGS / SOCKETS SERIES 300

Features:

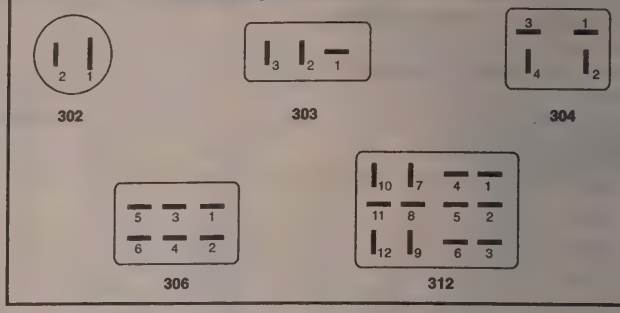
- Solder lug terminals with .093" x .062" wiring holes
- Two-contact "Jones" connector is round, all others are rectangular
- For use in cable-to-panel and cable-to-cable applications
- Designed for light and medium duty
- Polarized to prevent wrong-way insertion

Specifications:

- Insulation material: molded monoblock, general purpose phenolic, black UL94V-1
- Contact material: plug - brass, socket - phosphor bronze
- Contact plating: cadmium
- Operating temperature: up to +105°C
- Hood material: UL 94V-0
- Withstanding voltage: 730VAC$_{RMS}$
- Current rating: 10A
- Contact resistance: 16mΩ max.

*Two-contact "Jones" round connector, Dimension "A" is the diameter.

Polarizing Patterns - 300 Series



Plug, with Hood and 180° Cable Clamp

For quantities of 200 and up, call for quote

MOUSER STOCK NO.	Fig.	No. of Cont.	Cinch Type	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
*538-13021	A	2	P-302-CCT	ø.691	- - -	.953	.375	.359	2.65	2.36	2.12	1.93
538-13031	A	3	P-303-CCT	1.034	.472	.953	.313	.359	2.91	2.58	2.46	2.39
538-13041	A	4	P-304-CCT	.786	.724	.953	.375	.469	3.27	2.91	2.61	2.38
538-13061	A	6	P-306-CCT	1.036	.724	1.078	.438	.484	3.64	3.43	3.33	3.22

Socket, with Hood and 180° Cable Clamp

For quantities of 200 and up, call for quote

MOUSER STOCK NO.	Fig.	No. of Cont.	Cinch Type	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
*538-23021	B	2	S-302-CCT	ø.691	- - -	.953	.375	.359	2.89	2.72	2.64	2.56
538-23031	B	3	S-303-CCT	1.034	.472	.953	.313	.359	3.36	3.17	3.07	2.98
538-23041	B	4	S-304-CCT	.786	.724	.953	.375	.469	3.41	3.22	3.12	3.02
538-23061	B	6	S-306-CCT	1.036	.724	1.078	.438	.484	3.89	3.66	3.55	3.44

Plug, with Hood, 180° Cable Clamp and Lock

For quantities of 200 and up, call for quote

MOUSER STOCK NO.	Fig.	No. of Cont.	Cinch Type	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
*538-13022	C	2	P-302-CCT-L	ø.691	- - -	.953	.375	.359	4.95	4.67	4.53	4.39
538-13032	C	3	P-303-CCT-L	1.034	.472	.953	.313	.359	5.37	4.77	4.29	3.90
538-13042	C	4	P-304-CCT-L	.786	.724	.953	.375	.469	5.24	4.65	4.19	3.65
538-13062	C	6	P-306-CCT-L	1.036	.724	1.078	.438	.484	5.76	5.43	5.26	5.10

Socket, with Hood, 180° Cable Clamp and Keeper

For quantities of 200 and up, call for quote

MOUSER STOCK NO.	Fig.	No. of Cont.	Cinch Type	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
*538-23022	D	2	S-302-CCT-K	ø.691	- - -	.953	.375	.359	6.17	5.48	4.94	4.50
538-23032	D	3	S-303-CCT-K	1.034	.472	.953	.313	.359	6.02	5.68	5.50	5.33
538-23042	D	4	S-304-CCT-K	.786	.724	.953	.375	.469	5.83	5.49	5.33	5.16
538-23062	D	6	S-306-CCT-K	1.036	.724	1.078	.438	.484	6.37	6.01	5.82	5.64

Plug, with Angle Bracket

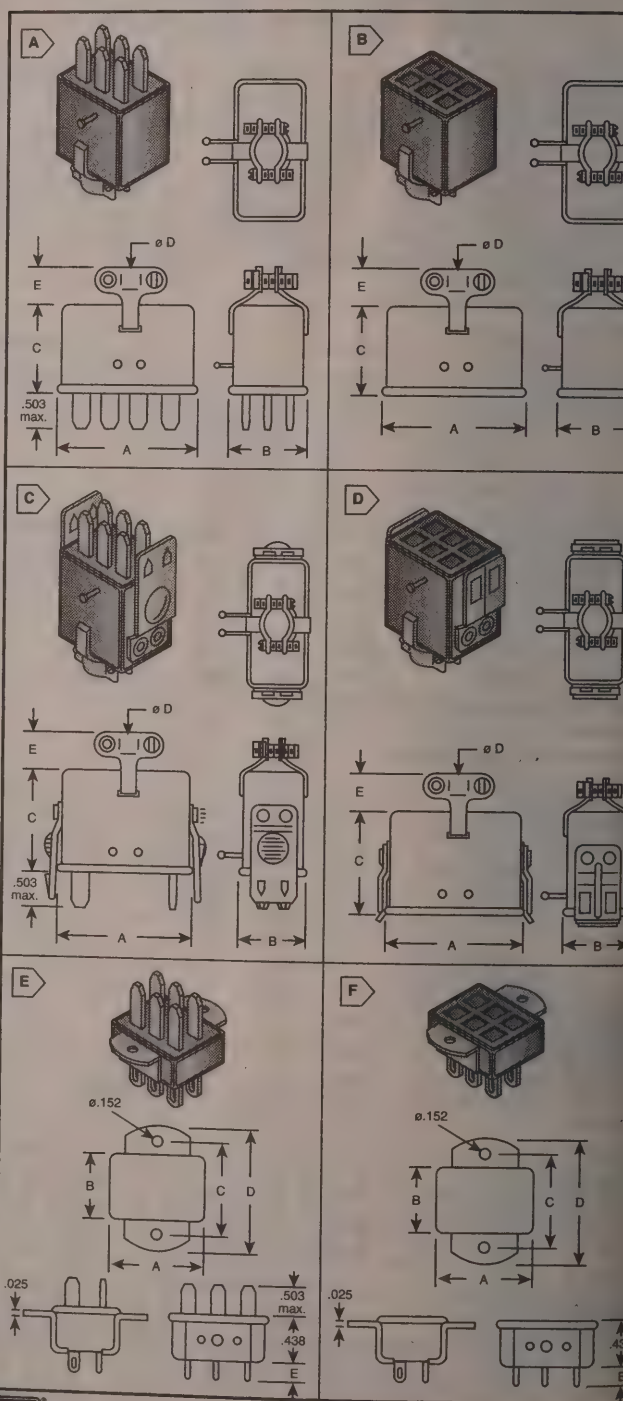
For quantities of 200 and up, call for quote

MOUSER STOCK NO.	Fig.	No. of Cont.	Cinch Type	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
*538-13023	E	2	P-302-AB	ø.656	- - -	.969	1.219	.313	1.48	1.39	1.34	1.30
538-13033	E	3	P-303-AB	1.000	.438	.750	1.062	.313	1.60	1.50	1.46	1.41
538-13043	E	4	P-304-AB	.750	.688	1.000	1.312	.313	1.71	1.60	1.55	1.50
538-13063	E	6	P-306-AB	1.000	.688	1.000	1.312	.313	3.21	2.85	2.56	2.34

Socket, with Angle Bracket

For quantities of 200 and up, call for quote

MOUSER STOCK NO.	Fig.	No. of Cont.	Cinch Type	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
*538-23023	F	2	S-302-AB	ø.656	- - -	.969	1.219	.297	1.53	1.44	1.39	1.35
538-23033	F	3	S-303-AB	1.000	.438	.750	1.062	.297	1.89	1.77	1.71	1.66
538-23043	F	4	S-304-AB	.750	.688	1.000	1.312	.297	1.97	1.85	1.79	1.74
538-23063	F	6	S-306-AB	1.000	.688	1.000	1.312	.297	2.60	2.44	2.37	2.29



HARTING Heavy Duty Han® Power Connectors

AVY DUTY HAN® POWER CONNECTORS

l 10 to 100 amps

connectors are multi-pin connectors that utilize hoods and ngs for protection from dust, liquids, and physical damage. All have UL and CSA electrical approvals and NEMA and IP type onmental ratings as well as many international approvals.

s carry the male and female contacts and feature protective g ground, polarization to prevent incorrect connections, and hangeability of male and female inserts in either hoods or ngs. Inserts can also be used in rack and panel applications ut hoods and housings.

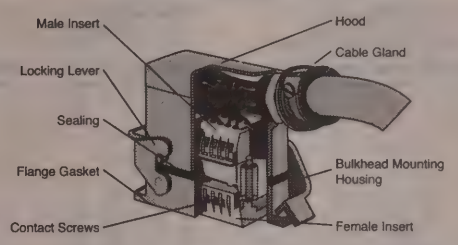
s connect to the cable and housings generally mount to the cabinet chine. All hoods and housings meet NEMA Type 4 and equivalent ational standard IEC 529 (DIN 40050) IP 65 degree of protection, specifies that enclosures are protected.

HARTING Heavy Duty Han® connectors can be used in a wide variety of applications in many industries including:

Robotics	Semiconductor
Transportation	Industrial Automation
Machine tools	Plastics machinery
Conveyors	Power utilities
Chemical plants	and many others.

For a complete connector: choose a kit or pick male and female mating inserts with same size hood and housing. Order crimp contacts and cable glands when necessary.

Han® Connector (Cut Away View)



AN® A/B MATING CONNECTOR KITS

y to assemble complete connector kits
y duty screw terminal inserts
NEMA 4 rated assemblies
/Housing Color: Grey

Each Kit Includes: Female Insert, Male Insert, Hood, Housing, and Mounting Gaskets
Male and Female inserts are interchangeable between hoods and housings.
Hood cable glands are ordered separately based on cable diameter and hood PG size.

For quantities of 10 and up, call for quote.

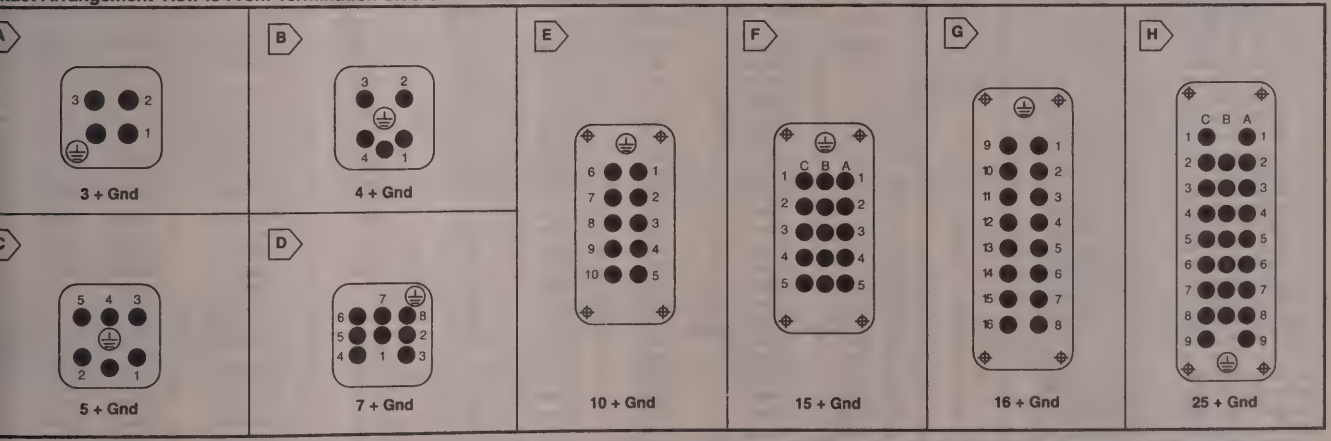
MOUSER STOCK NO.	HARTING Part No.	Kit No.	No. of Positions	Contact Rating	Han® Size	Shell Material	Hood Type	Housing Type	Hood PG Size	Lever Type	Price Each
-10-20-003-0001	10 20 003 0001	3AGM	3 + Gnd	10A/ 600V	3A	Metal	Straight	Straight Bulkhead	11	Single	42.20
-10-20-003-0003	10 20 003 0003	3AWM	3 + Gnd	10A/ 600V	3A	Metal	Straight	Right Angle Bulkhead	11	Single	36.73
-10-20-003-0002	10 20 003 0002	3AGK	3 + Gnd	10A/ 600V	3A	Plastic	Straight	Straight Bulkhead	11	Single	35.43
-10-20-003-0004	10 20 003 0004	3AWK	3 + Gnd	10A/ 600V	3A	Plastic	Straight	Right Angle Bulkhead	11	Single	37.69
-10-20-004-0001	10 20 004 0001	4AGM	4 + Gnd	10A/ 600V	3A	Metal	Straight	Straight Bulkhead	11	Single	35.52
-10-25-004-0003	10 20 004 0003	4AWM	4 + Gnd	10A/ 600V	3A	Metal	Straight	Right Angle Bulkhead	11	Single	38.48
-10-20-004-0002	10 20 004 0002	4AGK	4 + Gnd	10A/ 600V	3A	Plastic	Straight	Straight Bulkhead	11	Single	37.62
-10-20-004-0004	10 20 004 0004	4AWK	4 + Gnd	10A/ 600V	3A	Plastic	Straight	Right Angle Bulkhead	11	Single	39.89
-10-20-010-0000	10 20 010 0000	10A	10 + Gnd	16A/ 250V	10A	Metal	Right Angle	Straight Bulkhead	16	Single	63.92
-10-20-016-0000	10 20 016 0000	16A	16 + Gnd	16A/ 250V	16A	Metal	Right Angle	Straight Bulkhead	16	Single	84.80
-10-33-006-0000	10 33 006 0000	6B	6 + Gnd	16A/ 600V	6B	Metal	Right Angle	Straight Bulkhead	16	Single	42.62
-10-33-010-0000	10 33 010 0000	10B	10 + Gnd	16A/ 600V	10B	Metal	Right Angle	Straight Bulkhead	16	Double	53.96
-10-33-016-0000	10 33 016 0000	16B	16 + Gnd	16A/ 600V	16B	Metal	Right Angle	Straight Bulkhead	21	Double	60.88
-10-33-024-0000	10 33 024 0000	24B	24 + Gnd	16A/ 600V	24B	Metal	Right Angle	Right Angle Bulkhead	21	Double	74.67

N® INSERTS FOR TYPE A HOODS AND HOUSINGS

ding protective ground
arized for correct mating

- Male and Female inserts are interchangeable between hoods and housings
- Crimp Contacts selection is based on Han® insert series and AWG size.
- Crimp Contacts sold separately (see Accessories page)
- Screw Terminals or Crimp Contacts

ntact Arrangement View Is From Termination Side Of The Male Connector



s are organized by Hood and Housing size

✻ Crimp Contacts Sold Separately (see accessories page) **For quantities of 50 and up, call for quote.**

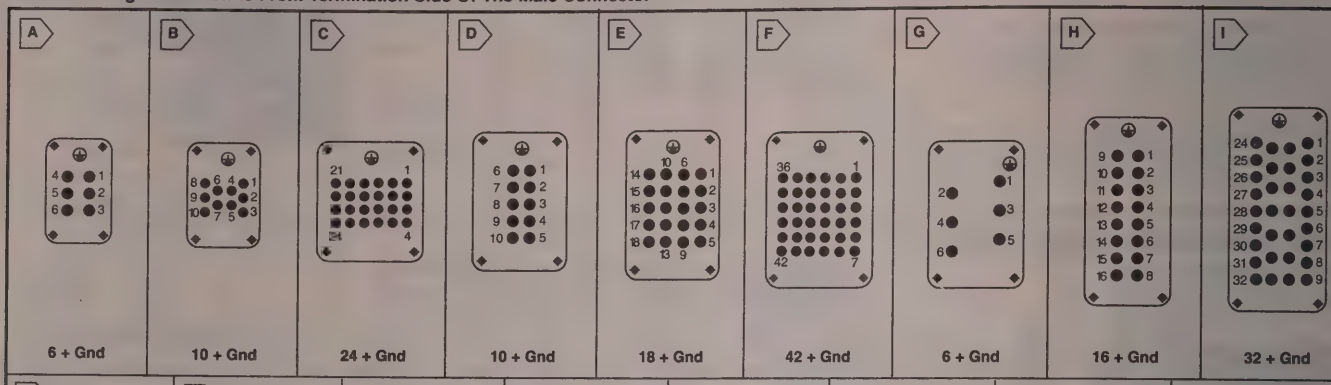
MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Positions	Insert Type	Han® Hood & Housing Size	AWG	✻ Contact Type	Han® Insert Series	Contact Rating	Price Each 1	Price Each 10	Price Each 25
-09-20-003-2611	09 20 003 2611	A	3 + Gnd	Male	3A	14	Screw	A	10A/ 600V	8.32	7.49	7.12
-09-20-003-2711	09 20 003 2711	A	3 + Gnd	Female	3A	14	Screw	A	10A/ 600V	9.21	8.29	7.87
-09-20-004-2611	09 20 004 2611	B	4 + Gnd	Male	3A	14	Screw	A	10A/ 600V	9.48	8.53	8.10
-09-20-004-2711	09 20 004 2711	B	4 + Gnd	Female	3A	14	Screw	A	10A/ 600V	9.85	8.86	8.42
-09-12-005-3001	09 12 005 3001	C	5 + Gnd	Male	3A	20-14	Crimp	Q	16A/ 600V	9.00	8.10	7.70
-09-12-005-3101	09 12 005 3101	C	5 + Gnd	Female	3A	20-14	Crimp	Q	16A/ 600V	7.93	7.14	6.78
-09-21-007-3031	09 21 007 3031	D	7 + Gnd	Male	3A	26-14	Crimp	D	10A/ 600V	4.49	4.04	3.84
-09-21-007-3131	09 21 007 3131	D	7 + Gnd	Female	3A	26-14	Crimp	D	10A/ 600V	4.49	4.04	3.84
-09-20-010-2612	09 20 010 2612	E	10 + Gnd	Male	10A	14	Screw	A	16A/ 250V	15.30	13.77	13.08
-09-20-010-2812	09 20 010 2812	E	10 + Gnd	Female	10A	14	Screw	A	16A/ 250V	16.59	14.93	14.19
-09-21-015-3001	09 21 015 3001	F	15 + Gnd	Male	10A	26-14	Crimp	D	10A/ 250V	11.30	10.17	9.66
-09-21-015-3101	09 21 015 3101	F	15 + Gnd	Female	10A	26-14	Crimp	D	10A/ 250V	11.30	10.17	9.66
-09-20-016-2612	09 20 016 2612	G	16 + Gnd	Male	16A	14	Screw	A	16A/ 250V	18.63	16.77	15.93
-09-20-016-2812	09 20 016 2812	G	16 + Gnd	Female	16A	14	Screw	A	16A/ 250V	24.62	22.15	21.05
-09-21-025-3001	09 21 025 3001	H	25 + Gnd	Male	16A	26-14	Crimp	D	10A/ 250V	12.76	11.48	10.91
-09-21-025-3101	09 21 025 3101	H	25 + Gnd	Female	16A	26-14	Crimp	D	10A/ 250V	12.76	11.48	10.91

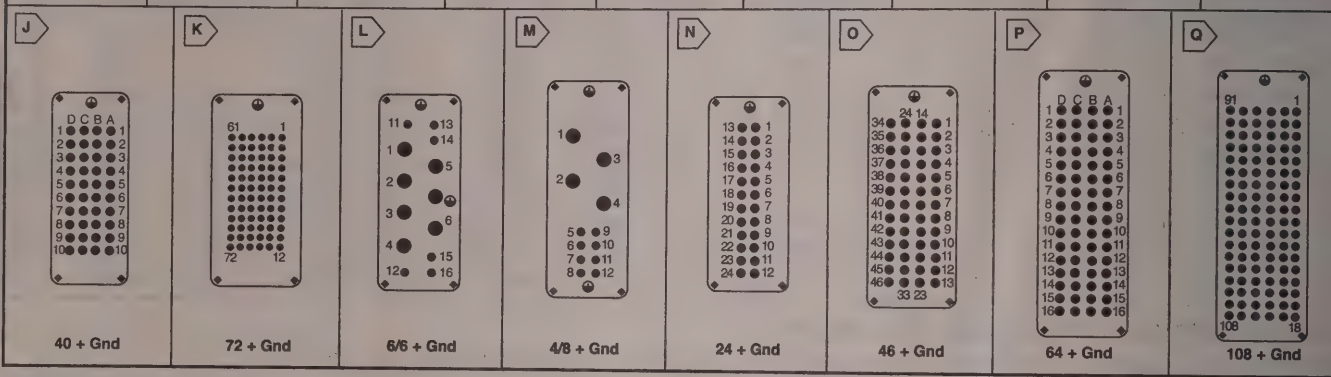
HEAVY DUTY HAN® POWER CONNECTORS

Han® Inserts For Type B Hoods and Housings

- Leading protective ground
- Polarized for correct mating
- Screw Terminals or Crimp Contacts
- Male and Female inserts are interchangeable between hoods and housings
- Crimp Contacts sold separately (see accessories page)
- Crimp Contacts selection is based on Han® insert series and AWG size.

Contact Arrangement View Is From Termination Side Of The Male Connector





Inserts are organized by Hood and Housing size

∗ Crimp contacts sold separately (see accessories page) **For quantities of 50 and up, call for quo**

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Positions	Insert Type	Han® Hood & Housing Size	Contact ∗ Type	AWG	Han® Insert Series	Contact Rating	Price Each 1	10	25
617-09-33-006-2601	09 33 006 2601	A	6 + Gnd	Male	6B	Screw	14	E	16A/ 600V	10.51	9.46	8.9
617-09-33-006-2701	09 33 006 2701	A	6 + Gnd	Female	6B	Screw	14	E	16A/ 600V	10.85	9.77	9.2
617-09-33-006-2602	09 33 006 2602	A	6 + Gnd	Male	6B	Crimp	20-12	E	16A/ 600V	9.73	8.76	8.3
617-09-33-006-2702	09 33 006 2702	A	6 + Gnd	Female	6B	Crimp	20-12	E	16A/ 600V	9.73	8.76	8.3
617-09-32-010-3001	09 32 010 3001	B	10 + Gnd	Male	6B	Crimp	20-12	EE	16A/ 600V	17.90	16.11	15.3
617-09-32-010-3101	09 32 010 3101	B	10 + Gnd	Female	6B	Crimp	20-12	EE	16A/ 600V	18.15	16.34	15.5
617-09-16-024-3001	09 16 024 3001	C	24 + Gnd	Male	6B	Crimp	26-14	DD	10A/ 600V	19.25	17.32	16.4
617-09-16-024-3101	09 16 024 3101	C	24 + Gnd	Female	6B	Crimp	26-14	DD	10A/ 600V	19.25	17.32	16.4
617-09-33-010-2601	09 33 010 2601	D	10 + Gnd	Male	10B	Screw	14	E	16A/ 600V	13.37	12.03	11.4
617-09-33-010-2701	09 33 010 2701	D	10 + Gnd	Female	10B	Screw	14	E	16A/ 600V	13.82	12.44	11.8
617-09-33-010-2602	09 33 010 2602	D	10 + Gnd	Male	10B	Crimp	20-12	E	16A/ 600V	10.76	9.69	9.2
617-09-33-010-2702	09 33 010 2702	D	10 + Gnd	Female	10B	Crimp	20-12	E	16A/ 600V	10.76	9.69	9.2
617-09-32-018-3001	09 32 018 3001	E	18 + Gnd	Male	10B	Crimp	20-12	EE	16A/ 600V	20.25	18.22	17.3
617-09-32-018-3101	09 32 018 3101	E	18 + Gnd	Female	10B	Crimp	20-12	EE	16A/ 600V	20.39	18.35	17.4
617-09-16-042-3001	09 16 042 3001	F	42 + Gnd	Male	10B	Crimp	26-14	DD	10A/ 600V	20.12	18.11	17.2
617-09-16-042-3101	09 16 042 3101	F	42 + Gnd	Female	10B	Crimp	26-14	DD	10A/ 600V	19.89	17.90	17.0
617-09-31-006-2601	09 31 006 2601	G	6 + Gnd	Male	16B	Screw	10	HsB	35A/ 600V	24.69	22.22	21.1
617-09-31-006-2701	09 31 006 2701	G	6 + Gnd	Female	16B	Screw	10	HsB	35A/ 600V	30.73	27.66	26.2
617-09-33-016-2601	09 33 016 2601	H	16 + Gnd	Male	16B	Screw	14	E	16A/ 600V	14.75	13.27	12.6
617-09-33-016-2701	09 33 016 2701	H	16 + Gnd	Female	16B	Screw	14	E	16A/ 600V	15.96	14.36	13.6
617-09-33-016-2602	09 33 016 2602	H	16 + Gnd	Male	16B	Crimp	20-12	E	16A/ 600V	13.29	11.96	11.3
617-09-33-016-2702	09 33 016 2702	H	16 + Gnd	Female	16B	Crimp	20-12	E	16A/ 600V	13.29	11.96	11.3
617-09-32-032-3001	09 32 032 3001	I	32 + Gnd	Male	16B	Crimp	20-12	EE	16A/ 600V	25.24	22.72	21.5
617-09-32-032-3101	09 32 032 3101	I	32 + Gnd	Female	16B	Crimp	20-12	EE	16A/ 600V	25.78	23.20	22.0
617-09-21-040-3001	09 21 040 3001	J	40 + Gnd	Male	16B	Crimp	26-14	D	10A/ 600V	13.36	12.02	11.4
617-09-21-040-3101	09 21 040 3101	J	40 + Gnd	Female	16B	Crimp	26-14	D	10A/ 600V	13.57	12.22	11.6
617-09-16-072-3001	09 16 072 3001	K	72 + Gnd	Male	16B	Crimp	26-14	DD	10A/ 600V	21.49	19.34	18.3
617-09-16-072-3101	09 16 072 3101	K	72 + Gnd	Female	16B	Crimp	26-14	DD	10A/ 600V	22.61	20.35	19.3
617-09-38-012-2651	09 38 012 2651	L	6/6 + Gnd	Male	24B	Screw	5-2/24-13	Han-Com	100A/ 16A/ 600V	116.45	104.80	99.5
617-09-38-012-2751	09 38 012 2751	L	6/6 + Gnd	Female	24B	Screw	5-2/24-13	Han-Com	100A/ 16A/ 600V	135.21	121.69	115.6
617-09-38-012-2601	09 38 012 2601	M	4/8 + Gnd	Male	24B	Screw	16-6/20-14	Han-Com	80A/ 16A/ 600V	75.65	68.08	64.6
617-09-38-012-2701	09 38 012 2701	M	4/8 + Gnd	Female	24B	Screw	16-6/20-14	Han-Com	80A/ 16A/ 600V	87.15	78.44	74.5
617-09-33-024-2601	09 33 024 2601	N	24 + Gnd	Male	24B	Screw	14	E	16A/ 600V	19.99	17.99	17.0
617-09-33-024-2701	09 33 024 2701	N	24 + Gnd	Female	24B	Screw	14	E	16A/ 600V	21.63	19.47	18.4
617-09-33-024-2602	09 33 024 2602	N	24 + Gnd	Male	24B	Crimp	20-12	E	16A/ 600V	15.16	13.65	12.9
617-09-33-024-2702	09 33 024 2702	N	24 + Gnd	Female	24B	Crimp	20-12	E	16A/ 600V	15.16	13.65	12.9
617-09-32-046-3001	09 32 046 3001	O	46 + Gnd	Male	24B	Crimp	20-12	EE	16A/ 600V	30.19	27.17	25.8
617-09-32-046-3101	09 32 046 3101	O	46 + Gnd	Female	24B	Crimp	20-12	EE	16A/ 600V	31.67	28.50	27.0
617-09-21-064-3001	09 21 064 3001	P	64 + Gnd	Male	24B	Crimp	26-14	D	10A/ 600V	13.85	12.47	11.8
617-09-21-064-3101	09 21 064 3101	P	64 + Gnd	Female	24B	Crimp	26-14	D	10A/ 600V	14.03	12.63	12.0
617-09-16-108-3001	09 16 108 3001	Q	108 + Gnd	Male	24B	Crimp	26-14	DD	10A/ 600V	24.12	21.71	20.6
617-09-16-108-3101	09 16 108 3101	Q	108 + Gnd	Female	24B	Crimp	26-14	DD	10A/ 600V	24.12	21.71	20.6

ODULES

* Crimp contact sold separately (see accessories page)

e insert with additional protection collar
orization of module

Specifications
• DIN VDE 0627, DIN VDE 0110, DIN EN 61 984

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Positions	Insert Type	Contact Type *	AWG	Contact Rating	Price Each 1	10	25
n® Axial Screw Modules										
7-09-14-002-2601	09 14 002 2601	A	2	Male	Axial Screw	14-8	40A/ 1000V	16.64	14.97	14.23
7-09-14-002-2701	09 14 002 2701	B	2	Female	Axial Screw	14-8	40A/ 1000V	19.49	17.54	16.67
n® C Modules										
7-09-14-003-3001	09 14 003 3001	C	3	Male	Crimp	16-10	40A/ 400/690V	5.17	4.65	4.42
7-09-14-003-3101	09 14 003 3101	D	3	Female	Crimp	16-10	40A/ 400/690V	5.17	4.65	4.42
n® E Modules										
7-09-14-006-3001	09 14 006 3001	E	6	Male	Crimp	20-12	40A/ 400/690V	6.67	6.01	5.71
7-09-14-006-3101	09 14 006 3101	F	6	Female	Crimp	20-12	40A/ 400/690V	6.67	6.01	5.71
n® DD Modules										
7-09-14-012-3001	09 14 012 3001	G	12	Male	Crimp	26-14	40A/ 400/690V	3.38	3.04	2.89
7-09-14-012-3101	09 14 012 3101	H	12	Female	Crimp	26-14	40A/ 400/690V	3.38	3.04	2.89

SUB MODULES

al for transmission of sensitive signals
table for industrial applications
Pins high density D-sub insert is suitable for adapter modules

Specifications
• DIN VDE 0627, DIN VDE 0110, DIN EN 61 984

* Crimp contact sold separately

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Positions	Insert Type	Contact Type *	AWG	Contact Rating	Price Each 1	10	25
7-09-14-009-3001	09 14 009 3001	I	9	Male	Crimp	28-20	5A/ 50V	16.21	14.59	13.86
7-09-14-009-3101	09 14 009 3101	J	9	Female	Crimp	28-20	5A/ 50V	16.21	14.59	13.86
apter Modules										
7-09-14-000-9930	09 14 000 9930	K	--	Male	--	--	5A/ 50V	15.05	13.54	12.87
7-09-14-000-9931	09 14 000 9931	K	--	Female	--	--	5A/ 50V	15.05	13.54	12.87
lividual Crimp Contacts			Contact Type			Wire Gauge				
7-09-67-000-7177	09 67 000 7177	--	Stamped Male			28-24 AWG		.15	.14	.13
7-09-67-000-7277	09 67 000 7277	--	Stamped Female			28-24 AWG		.16	.15	.14
7-09-67-000-8177	09 67 000 8177	--	Stamped Male			24-20 AWG		.15	.14	.13
7-09-67-000-8277	09 67 000 8277	--	Stamped Female			24-20 AWG		.16	.15	.14

IEUMATIC MODULES

ontacts for transmission of clean and dry compressed air
mination of 1.6 mm, 3 mm, 4 mm and 6 mm ID-tubes
e sizes may be mixed in module
ust plastic contact

* Contacts with SHUT OFF also available

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each 1	10	25
7-09-14-003-4501	09 14 003 4501	L	3 Pos. Male/Female Pneumatic Module	3.51	3.16	3.00
Contacts - Without Shut Off						
7-09-14-000-6151	09 14 000 6151	M	Male - 1.6 mm Tube internal diameter	4.74	4.27	4.06
7-09-14-000-6152	09 14 000 6152	N	Male - 3.0 mm Tube internal diameter	4.74	4.27	4.06
7-09-14-000-6153	09 14 000 6153	O	Male - 4.0 mm Tube internal diameter	4.74	4.27	4.06
7-09-14-000-6251	09 14 000 6251	P	Female - 1.6 mm Tube internal diameter	4.93	4.43	4.21
7-09-14-000-6252	09 14 000 6252	Q	Female - 3.0 mm Tube internal diameter	4.74	4.27	4.06
7-09-14-000-6253	09 14 000 6253	R	Female - 4.0 mm Tube internal diameter	4.74	4.27	4.06

PACER MODULE

fill up module spaces not in use in frame

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each 1	10	25
7-09-14-000-9950	09 14 000 9950	S	Han® Modular Spacer	2.98	2.68	2.54

NGED FRAMES

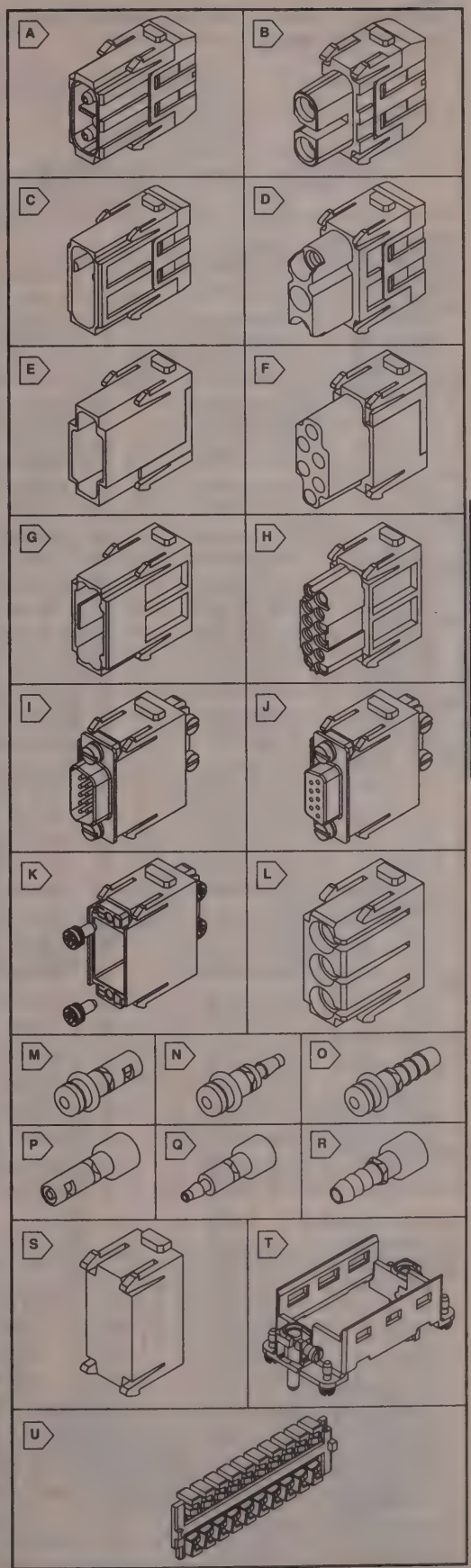
Specifications
• DIN VDE 0627, DIN VDE 0110, DIN EN 61 984

ounding system according to VDE
dules can only be assembled polarized to guarantee correct orientation
th male and female modules may be mounted in the same hinged frame
nged frames are mountable in standard hoods/housings
gh mechanical reliability of modules in case of vibrations and impact stress

• Rigid die cast zinc frame
• Alphabetical marking of module positions
• No tool necessary to remove modules

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Han® Hood & Housing Size	Frame Size	Frame Marking	Price Each 1	10	25
7-09-14-006-0303	09 14 006 0303	T	6B	Holds 2 Modules	A-B	19.37	17.43	16.56
7-09-14-006-0313	09 14 006 0313	T	6B	Holds 2 Modules	a-b	19.37	17.43	16.56
7-09-14-010-0303	09 14 010 0303	T	10B	Holds 3 Modules	A-C	18.81	16.93	16.08
7-09-14-010-0313	09 14 010 0313	T	10B	Holds 3 Modules	a-c	19.54	17.58	16.70
7-09-14-016-0303	09 14 016 0303	T	16B	Holds 4 Modules	A-D	18.93	17.04	16.19
7-09-14-016-0313	09 14 016 0313	T	16B	Holds 4 Modules	a-d	18.93	17.04	16.19
7-09-14-024-0303	09 14 024 0303	T	24B	Holds 6 Modules	A-F	19.77	17.79	16.90
7-09-14-024-0313	09 14 024 0313	T	24B	Holds 6 Modules	a-f	19.77	17.79	16.90
ccessory								
7-09-14-000-9960	09 14 000 9960	U	Locking Element for frames - 20 locks per piece			3.77	3.40	3.23



HEAVY DUTY HAN® POWER CONNECTORS

Han® Hoods and Housings For A and B Inserts

Full Compliance to NEMA Type 4

Hoods/Housings Selection: Select the hood/housing combination that will accommodate the same size male/female inserts selected from the previous pages.
Ingress Protection: Size 3A Metal = IP 44
Size 3A Plastic = IP 65
All other Metal Sizes = IP 65
Hoods/Housings Color: Grey (RAL 7037)
Mating Information: Hoods mate with any Housings of the same size and lever type.
Hood Cable Glands: Cable Glands are not included with hoods and must be ordered off the accessory page based on PG size and cable diameter.

All hoods are also available in metric threads. Please see your Mouser Sales Representative for more information.

Han® Cable Hoods

* Plastic

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Han® Size	Cable Entry	Lever Type	PG Size	Price Each 1	10	25
Size 3A - Standard Profile									
617-09-20-003-1640	09 20 003 1640	A	3A	Right Angle	Single	11	9.21	8.29	7.87
* 617-09-20-003-0620	09 20 003 0620	A	3A	Right Angle	Single	11	5.74	5.17	4.91
617-09-20-003-1440	09 20 003 1440	B	3A	Straight	Single	11	5.36	4.82	4.58
* 617-09-20-003-0420	09 20 003 0420	B	3A	Straight	Single	11	3.30	2.97	2.82
Size 10A - Standard Profile									
617-09-20-010-0540	09 20 010 0540	C	10A	Right Angle	Single	16	20.40	18.36	17.44
617-09-20-010-0541	09 20 010 0541	C	10A	Right Angle	Single	21	22.20	19.98	18.98
617-09-20-010-0440	09 20 010 0440	D	10A	Straight	Single	16	24.78	22.31	21.19
617-09-20-010-0441	09 20 010 0441	D	10A	Straight	Single	21	26.62	23.96	22.76
Size 10A - Low Profile									
617-09-20-010-1541	09 20 010 1541	C	10A	Right Angle	Single	16	14.53	13.08	12.43
617-09-20-010-1440	09 20 010 1440	D	10A	Straight	Single	13.5	15.74	14.17	13.46
Size 16A - Standard Profile									
617-09-20-016-0541	09 20 016 0541	C	16A	Right Angle	Single	21	20.29	18.26	17.34
617-09-20-016-0441	09 20 016 0441	D	16A	Straight	Single	21	23.54	21.19	20.13
Size 16A - Low Profile									
617-09-20-016-1541	09 20 016 1541	C	16A	Right Angle	Single	16	16.88	15.20	14.44
617-09-20-016-1441	09 20 016 1441	D	16A	Straight	Single	16	17.31	15.58	14.80
Size 6B - Standard Profile									
617-09-30-006-0542	09 30 006 0542	C	6B	Right Angle	Single	21	17.30	15.57	14.79
617-09-30-006-0543	09 30 006 0543	C	6B	Right Angle	Single	29	20.90	18.81	17.87
617-09-30-006-0442	09 30 006 0442	D	6B	Straight	Single	21	17.12	15.41	14.64
617-09-30-006-0443	09 30 006 0443	D	6B	Straight	Single	29	21.72	19.55	18.57
Size 6B - Low Profile									
617-09-30-006-1541	09 30 006 1541	C	6B	Right Angle	Single	16	12.96	11.66	11.08
617-09-30-006-1441	09 30 006 1441	D	6B	Straight	Single	16	13.33	11.99	11.39
Size 10B - Standard Profile									
617-09-30-010-0542	09 30 010 0542	C	10B	Right Angle	Single	21	25.74	23.16	22.00
617-09-30-010-0543	09 30 010 0543	C	10B	Right Angle	Single	29	31.91	28.72	27.28
617-09-30-010-0442	09 30 010 0442	D	10B	Straight	Single	21	33.70	30.33	28.81
617-09-30-010-0443	09 30 010 0443	D	10B	Straight	Single	29	34.14	30.72	29.19
617-09-30-010-0522	09 30 010 0522	E	10B	Right Angle	Double	21	21.54	19.39	18.42
617-09-30-010-0523	09 30 010 0523	E	10B	Right Angle	Double	29	24.60	22.14	21.04
617-09-30-010-0422	09 30 010 0422	F	10B	Straight	Double	21	22.08	19.87	18.88
617-09-30-010-0423	09 30 010 0423	F	10B	Straight	Double	29	26.85	24.17	22.96
Size 16B - Standard Profile									
617-09-30-016-0541	09 30 016 0541	C	16B	Right Angle	Single	29	29.88	26.89	25.54
617-09-30-016-0441	09 30 016 0441	D	16B	Straight	Single	29	34.36	30.93	29.38
617-09-30-016-0521	09 30 016 0521	E	16B	Right Angle	Double	29	24.85	22.37	21.25
617-09-30-016-0421	09 30 016 0421	F	16B	Straight	Double	29	25.15	22.64	21.51
Size 16B - Low Profile									
617-09-30-016-1540	09 30 016 1540	C	16B	Right Angle	Single	21	20.58	18.52	17.59
617-09-30-016-1440	09 30 016 1440	D	16B	Straight	Single	21	20.34	18.31	17.39
Size 24B - Standard Profile									
617-09-30-024-0541	09 30 024 0541	C	24B	Right Angle	Single	29	32.47	29.22	27.76
617-09-30-024-0440	09 30 024 0440	D	24B	Straight	Single	21	37.52	33.77	32.08
617-09-30-024-0441	09 30 024 0441	D	24B	Straight	Single	29	38.39	34.55	32.82
617-09-30-024-0521	09 30 024 0521	E	24B	Right Angle	Double	29	28.40	25.56	24.28
617-09-30-024-0420	09 30 024 0420	F	24B	Straight	Double	21	27.82	25.03	23.78
617-09-30-024-0421	09 30 024 0421	F	24B	Straight	Double	29	31.05	27.94	26.55
Size 24B - Low Profile									
617-09-30-024-1540	09 30 024 1540	C	24B	Right Angle	Single	21	20.49	18.44	17.52
617-09-30-024-1520	09 30 024 1520	E	24B	Right Angle	Double	21	18.43	16.59	15.76

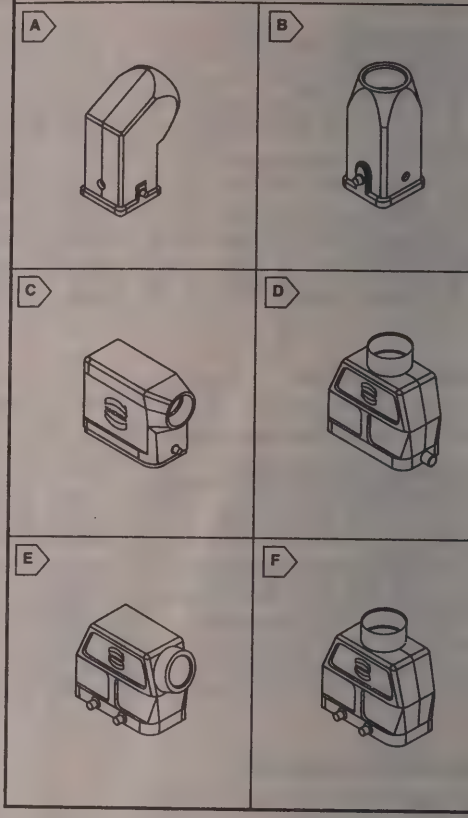
Han® Panel Housings

* Plastic

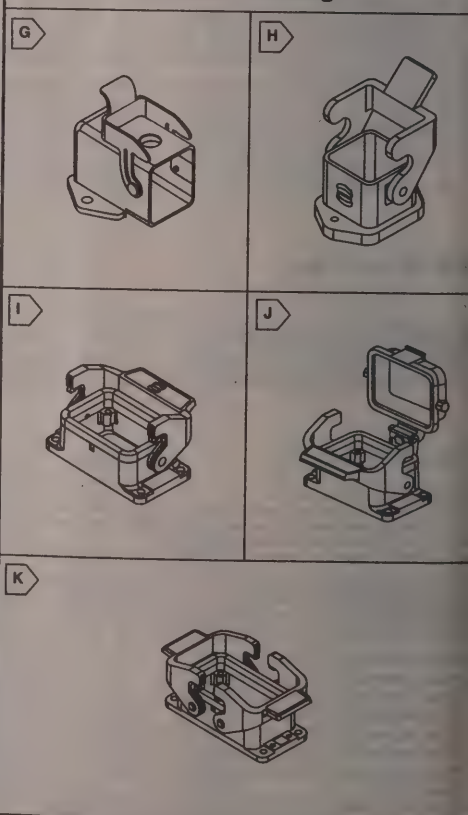
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Han® Size	Mount Type	Lever Type	Price Each 1	10	25
617-09-20-003-0801	09 20 003 0801	G	3A	Right Angle	Single	10.05	9.04	8.59
* 617-09-20-003-0820	09 20 003 0820	G	3A	Right Angle	Single	6.10	5.49	5.21
617-09-20-003-0301	09 20 003 0301	H	3A	Straight	Single	6.67	6.00	5.70
* 617-09-20-003-0320	09 20 003 0320	H	3A	Straight	Single	4.69	4.22	4.01
617-09-20-010-0301	09 20 010 0301	I	10A	Straight	Single	13.62	12.26	11.64
617-09-20-016-0301	09 20 016 0301	I	16A	Straight	Single	17.51	15.76	14.97
617-09-30-006-0301	09 30 006 0301	I	6B	Straight	Single	13.57	12.22	11.60
617-09-30-006-0302	09 30 006 0302	J	6B	Straight w/ Cover	Single	21.68	19.52	18.54
617-09-30-010-0305	09 30 010 0305	I	10B	Straight	Single	21.75	19.58	18.60
617-09-30-010-0303	09 30 010 0303	J	10B	Straight w/ Cover	Single	29.38	26.44	25.12
617-09-30-010-0301	09 30 010 0301	K	10B	Straight	Double	19.92	17.93	17.03
617-09-30-016-0307	09 30 016 0307	I	16B	Straight	Single	23.82	21.44	20.37
617-09-30-016-0306	09 30 016 0306	J	16B	Straight w/ Cover	Single	30.37	27.33	25.96
617-09-30-016-0301	09 30 016 0301	K	16B	Straight	Double	21.00	18.90	17.96
617-09-30-024-0307	09 30 024 0307	I	24B	Straight	Single	24.47	22.02	20.92
617-09-30-024-0304	09 30 024 0304	J	24B	Straight w/ Cover	Single	35.64	32.07	30.47
617-09-30-024-0301	09 30 024 0301	K	24B	Straight	Double	22.71	20.44	19.42

Cable Hoods



Panel Housings



MOUSER ELECTRONICS a tti company
(800) 346-6873

EAVY DUTY HAN® POWER CONNECTORS

mp Contacts For Inserts

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Contact Type	Wire Gauge mm²	Wire Gauge AWG	Price Each 1	10	25	50
A Contacts For Han® Insert Series E, A, EE, Q, and Han E Modules									
7-09-33-000-6121	09 33 000 6121	A	Male	0.5	20	.37	.33	.31	.30
7-09-33-000-6105	09 33 000 6105	A	Male	1	18	.37	.33	.31	.30
7-09-33-000-6104	09 33 000 6104	A	Male	1.5	16	.37	.33	.31	.30
7-09-33-000-6102	09 33 000 6102	A	Male	2.5	14	.37	.33	.31	.30
7-09-33-000-6107	09 33 000 6107	A	Male	4	12	.37	.33	.31	.30
7-09-33-000-6220	09 33 000 6220	B	Female	0.5	20	.37	.33	.31	.30
7-09-33-000-6205	09 33 000 6205	B	Female	1	18	.37	.33	.31	.30
7-09-33-000-6204	09 33 000 6204	B	Female	1.5	16	.37	.33	.31	.30
7-09-33-000-6202	09 33 000 6202	B	Female	2.5	14	.37	.33	.31	.30
7-09-33-000-6207	09 33 000 6207	B	Female	4	12	.37	.33	.31	.30
A Contacts for Han® C Modules									
7-09-32-000-6104	09 32 000 6104	A	Male	1.5	16	2.01	1.81	1.72	1.63
7-09-32-000-6105	09 32 000 6105	A	Male	2.5	14	2.01	1.81	1.72	1.63
7-09-32-000-6107	09 32 000 6107	A	Male	4	12	2.01	1.81	1.72	1.63
7-09-32-000-6108	09 32 000 6108	A	Male	6	10	2.01	1.81	1.72	1.63
7-09-32-000-6204	09 32 000 6204	B	Female	1.5	16	2.95	2.66	2.52	2.39
7-09-32-000-6205	09 32 000 6205	B	Female	2.5	14	2.95	2.66	2.52	2.39
7-09-32-000-6207	09 32 000 6207	B	Female	4	12	2.95	2.66	2.52	2.39
7-09-32-000-6208	09 32 000 6208	B	Female	6	10	2.95	2.66	2.52	2.39
A Contacts For Han® Insert Series D, DD, and Han DD Modules									
7-09-15-000-6104	09 15 000 6104	C	Male	.14 - .37	26-22	.69	.62	.59	.56
7-09-15-000-6103	09 15 000 6103	C	Male	0.5	20	.69	.62	.59	.56
7-09-15-000-6102	09 15 000 6102	C	Male	1	18	.69	.62	.59	.56
7-09-15-000-6101	09 15 000 6101	C	Male	1.5	16	.69	.62	.59	.56
7-09-15-000-6106	09 15 000 6106	C	Male	2.5	14	.69	.62	.59	.56
7-09-15-000-6204	09 15 000 6204	D	Female	.14 - .37	26-22	.69	.62	59	.56
7-09-15-000-6203	09 15 000 6203	D	Female	0.5	20	.69	.62	.59	.56
7-09-15-000-6202	09 15 000 6202	D	Female	1	18	.69	.62	.59	.56
7-09-15-000-6201	09 15 000 6201	D	Female	1.5	16	.69	.62	.59	.56
7-09-15-000-6206	09 15 000 6206	D	Female	2.5	14	.69	.62	.59	.56

mp Contact Tools

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Han® Insert Series	Description	Price Each
ARTING Crimp Tool					
7-09-99-000-0021	09 99 000 0021	E	D, E	Standard Crimp Tool for 16A and 10A Contacts	246.16
7-09-99-000-0110	09 99 000 0110	F	C, D, E	Crimp Tool for 26-12 AWG Contacts	915.34
uchanan Crimp Tool					
7-09-99-000-0001	09 99 000 0001	G	All	MIL Type Crimp Tool for 16A and 10A Contacts	663.04
pth Adjustment Gauge for Buchanan Crimp Tool					
7-09-99-000-0007	09 99 000 0007	H	E / D	Buchanan Depth Gauge for 20-18/ 14 AWG	52.13
7-09-99-000-0008	09 99 000 0008	H	E / D	Buchanan Depth Gauge for 16-14 / 16 AWG	52.13
7-09-99-000-0203	09 99 000 0203	H	D	Buchanan Depth Gauge for 26-24 AWG	57.93
ntact Locators for Buchanan Crimp Tool					
7-09-99-000-0310	09 99 000 0310	I	E	Buchanan Crimp Tool Locator for 16A Contacts	6.56
7-09-99-000-0311	09 99 000 0311	I	D	Buchanan Crimp Tool Locator for 10A Contacts	6.56
imp Contact Removal Tools					
7-09-99-000-0012	09 99 000 0012	J	DD, D	Removal Tool for 10A Contacts	83.40
7-09-99-000-0319	09 99 000 0319	K	EE	Removal Tool for 16A Contacts	33.41

ial Screw Tool

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Harting Part No.	Fig.	Description	Price Each
n® Modular Hexagonal Screw Driver				
7-09-99-000-0313	09 99 000 0313	L	Hexagonal Screw Driver SW 4	16.86

tal IP68/NEMA 4X PG Cable Glands For Hoods

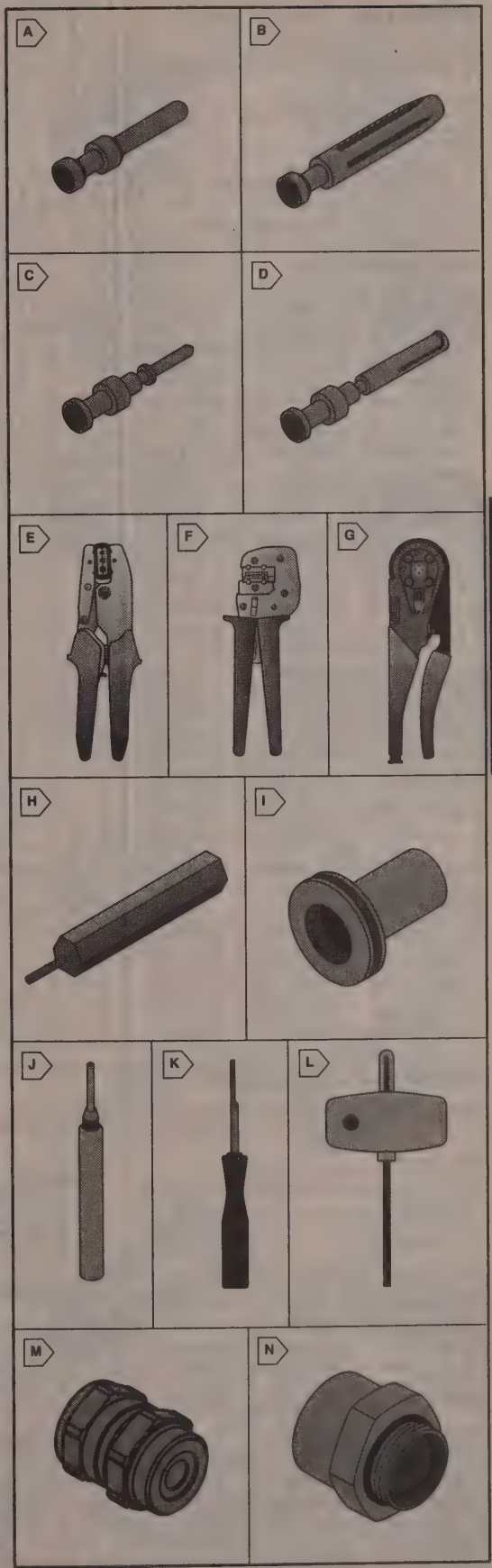
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Harting Part No.	Fig.	PG Size	Wrench Size	Cable Dia. (mm)	Price Each 1	10	25	50
7-09-00-000-5080	09 00 000 5080	M	11	20	5 - 8	9.25	8.33	7.91	7.50
7-09-00-000-5082	09 00 000 5082	M	11	20	7 - 10.5	9.42	8.48	8.06	7.63
7-09-00-000-5086	09 00 000 5086	M	16	24	6 - 9.5	13.91	12.52	11.89	11.27
7-09-00-000-5088	09 00 000 5088	M	16	24	9 - 13	13.33	11.99	11.39	10.79
7-09-00-000-5089	09 00 000 5089	M	16	24	11.5 - 15.5	13.10	11.79	11.20	10.61
7-09-00-000-5090	09 00 000 5090	M	21	30	7 - 10.5	26.47	23.83	22.63	21.44
7-09-00-000-5091	09 00 000 5091	M	21	30	9 - 13	20.95	18.85	17.91	16.97
7-09-00-000-5092	09 00 000 5092	M	21	30	11.5 - 15.5	19.51	17.56	16.68	15.81
7-09-00-000-5093	09 00 000 5093	M	21	30	14 - 18	20.78	18.70	17.77	16.83
7-09-00-000-5095	09 00 000 5095	M	29	40	17 - 21	42.38	38.15	36.24	34.33
7-09-00-000-5096	09 00 000 5096	M	29	40	20 - 25	50.99	45.89	43.60	41.30
7-09-00-000-5097	09 00 000 5097	M	29	40	24 - 28	37.16	33.44	31.77	30.10

G To NPT Adapters

For quantities of 100 and up, call for quote.

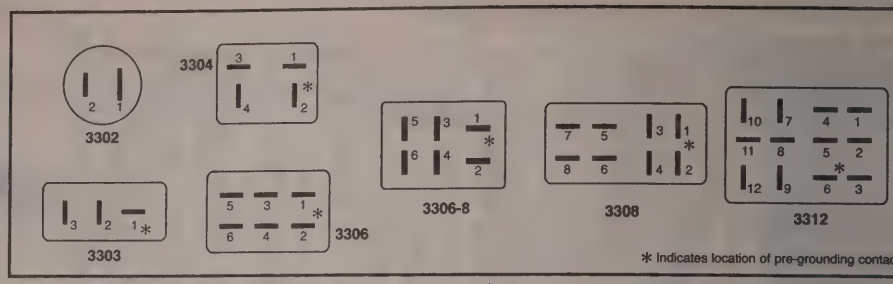
MOUSER STOCK NO.	Harting Part No.	Fig.	PG Size	Female NPT Thread	Price Each 1	10	25	50
7-73-00-000-5310	73 00 000 5310	N	11	1/2"	7.44	6.69	6.36	6.03
7-73-00-000-5312	73 00 000 5312	N	16	1/2"	7.46	6.72	6.38	6.05
7-73-00-000-5313	73 00 000 5313	N	21	1/2"	10.65	9.59	9.11	8.63
7-73-00-000-5314	73 00 000 5314	N	21	3/4"	9.89	8.90	8.46	8.01
7-73-00-000-5315	73 00 000 5315	N	29	1"	18.29	16.46	15.64	14.82



SERIES 3300 CONNECTORS

Series 3300 Connectors are interchangeable with Series 300 types and are designed for panel and cable mounting.

Specifications:
- Current Rating (Individual Contact): 10 Amps
- Voltage Rating: 250 volts
- Materials:
  - Plug: Brass, tin plated
  - Socket: Phosphor bronze tin plated
  - Pre-Grounding Contact: Heavy duty plated brass
  - Base Insulating: High-grade phenolic, black
  - Backshell: Thermoplastic
  - Angle Bracket Finish: Steel, bright nickel electroplate
- Cable Clamp Top Includes: cable clamp, screws, latch and keeper



Plugs-Cable Clamp Top

- Cable Mount

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each 1	25	50	100
538-38331-5602	38331-5602	P-3302-CCT	A	2	2.60	2.08	1.86	1.66
538-38331-5603	38331-5603	P-3303-CCT	A	3	2.52	1.98	1.76	1.58
538-38331-5604	38331-5604	P-3304-CCT	A	4	2.54	1.96	1.75	1.58
538-38331-5606	38331-5606	P-3306-CCT	A	6	3.07	2.53	2.26	2.03
538-38336-8156	38336-8156	P-3306-8-CCT	A	6	4.08	3.68	2.47	3.26
538-38331-5608	38331-5608	P-3308-CCT	A	8	3.81	3.25	3.07	2.89
538-38331-5612	38331-5612	P-3312-CCT	A	12	4.33	3.90	3.68	3.46

Sockets-Cable Clamp Top

- Cable Mount

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each 1	25	50	100
538-38331-8002	38331-8002	S-3302-CCT	B	2	3.71	3.34	3.15	2.97
538-38331-8003	38331-8003	S-3303-CCT	B	3	3.74	3.36	3.17	3.00
538-38331-8004	38331-8004	S-3304-CCT	B	4	3.44	3.36	3.10	3.00
538-38331-8006	38331-8006	S-3306-CCT	B	6	4.45	4.01	3.79	3.56
538-38336-8180	38336-8180	S-3306-8-CCT	B	6	4.50	4.05	3.83	3.60
538-38331-8008	38331-8008	S-3308-CCT	B	8	4.07	3.17	2.83	2.54
538-38331-8012	38331-8012	S-3312-CCT	B	12	4.38	3.98	3.58	3.18

Plugs-With Angle Brackets

- Panel Mount

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each 1	25	50	100
538-38330-0102	38330-0102	P-3302-AB	C	2	1.25	1.12	.93	.84
538-38330-0103	38330-0103	P-3303-AB	C	3	1.80	1.62	1.53	1.45
538-38330-0104	38330-0104	P-3304-AB	C	4	1.44	1.30	1.08	.95
538-38330-0106	38330-0106	P-3306-AB	C	6	2.30	2.06	1.95	1.84
538-38336-8001	38336-8001	P-3306-8-AB	C	6	1.80	1.61	1.52	1.43
538-38330-0108	38330-0108	P-3308-AB	C	8	2.71	2.44	2.30	2.17
538-38330-0112	38330-0112	P-3312-AB	C	12	3.68	3.32	3.13	2.95

Sockets-With Angle Brackets

- Panel Mount

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each 1	25	50	100
538-38330-0502	38330-0502	S-3302-AB	D	2	2.14	1.94	1.74	1.71
538-38330-0503	38330-0503	S-3303-AB	D	3	1.61	1.45	1.29	1.21
538-38330-0504	38330-0504	S-3304-AB	D	4	1.85	1.66	1.56	1.47
538-38330-0506	38330-0506	S-3306-AB	D	6	2.19	1.97	1.64	1.42
538-38336-8005	38336-8005	S-3306-8-AB	D	6	2.80	2.52	2.38	2.25
538-38330-0508	38330-0508	S-3308-AB	D	8	3.56	3.21	3.03	2.85
538-38330-0512	38330-0512	S-3312-AB	D	12	3.81	3.44	3.25	3.05

SERIES 5400 CONNECTORS

Series 5400 Connectors are interchangeable with Series 2400 or 400 type connectors. They are designed for use in panel and cable mounting applications. Includes steel bright nickel electroplated cable clamp and screws.

Specifications:
- Current Rating (Individual Contact): 15 Amps
- Voltage Rating: 250 volts (UL rated at 250 V, AC or DC max, between adjacent contacts
- Pre-Grounding Contact Rating: Up to 30 Amps at rated voltages
- UL: File No. E34763
- CSA: File No. 22156
- Materials:
  - Plug: Brass, tin plated
  - Socket: Phosphor bronze, tin plated
  - Pre-Grounding Contact: Heavy duty plated brass
  - Base Insulating: High-grade phenolic, black
  - Backshell: Thermoplastic

Plugs-Cable Clamp Top

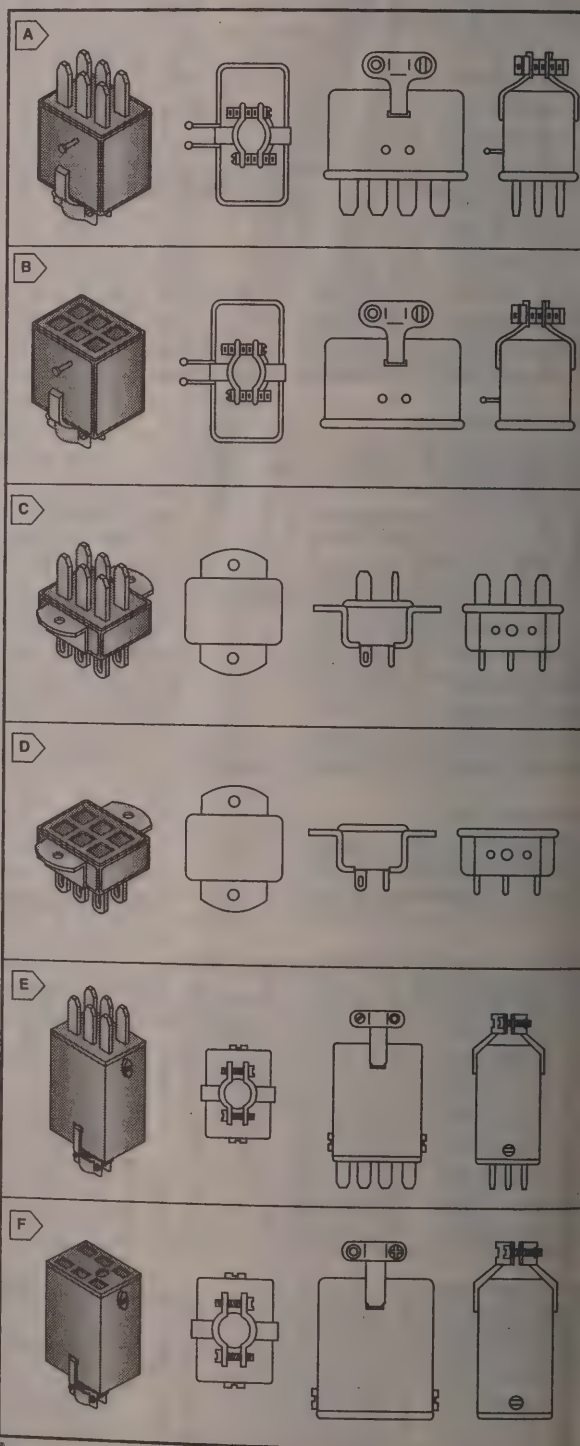
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each 1	25	50	100
538-38541-5404	38541-5404	P-5404-CCT	E	4	5.12	4.29	3.82	3.44
538-38541-5406	38541-5406	P-5406-CCT	E	6	6.73	5.38	4.85	4.31
538-38541-5408	38541-5408	P-5408-CCT	E	8	7.38	5.90	5.31	4.72
538-38541-5412	38541-5412	P-5412-CCT	E	12	10.30	9.27	8.76	8.25

Sockets-Cable Clamp Top

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each 1	25	50	100
538-38541-8404	38541-8404	S-5404-CCT	F	4	6.45	5.16	4.65	4.13
538-38541-8406	38541-8406	S-5406-CCT	F	6	7.15	5.72	5.15	4.58
538-38541-8408	38541-8408	S-5408-CCT	F	8	7.84	6.67	5.96	5.35
538-38541-8412	38541-8412	S-5412-CCT	F	12	7.32	6.59	6.22	5.85

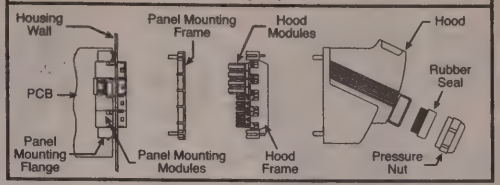


PHOENIX CONTACT Variocon Connectors

PHOENIX CONTACT
INSPIRING INNOVATIONS

ariocon connector system is suitable for equipment, terminal boxes and control ts (IP67 Rated). The connectors are up of modular contact inserts with screw CB connections. Modular design allows to customize connector with both signal ower contacts.

Assembly Layout



ular Contact Inserts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Type	Positions	Max Current	Max Volt	AWG	Price Each 1	10	50
d Modules - Screw Clamp Wire Termination									
—1852846	A	VC-TFS 2	2	20A	600V	30-10	3.57	3.39	3.10
—1853476	B	VC-TFS 6	6	8A	300V	30-14	5.17	4.90	4.49
—1852820	C	VC-TFS 8	8	8A	300V	30-14	7.13	6.75	6.19
el Modules - Screw Clamp Wire Termination									
—1853528	D	VC-AMS 2	2	20A	600V	30-10	3.48	3.30	3.02
—1854019	E	VC-AMS 6	6	8A	300V	30-14	4.67	4.43	4.06
—1854022	F	VC-AMS 8	8	8A	300V	30-14	6.32	5.99	5.49
el Modules - Right Angle PCB Mount									
—1852859	G	VC-AML 2	2	20A	600V	-	3.16	2.99	2.74
—1853531	H	VC-AML 6	6	8A	300V	-	3.89	3.68	3.38
—1852833	I	VC-AML 8	8	8A	300V	-	5.81	5.50	5.05
el Modules - Vertical PCB Mount									
—1884979	G	VC-AMLV 2	2	20A	600V	-	2.88	2.73	2.50
—1884872	H	VC-AMLV 6	6	8A	300V	-	3.14	2.97	2.72
—1884885	I	VC-AMLV 8	8	8A	300V	-	5.39	5.11	4.68

ds

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Type	Type	Cable Connection	# of inserts	Length	Price Each 1	10	50
tic Hood									
—1852930	J	VC-K-T1-Z	1	PG16	2	59 mm	6.13	5.81	5.33
—1852943	J	VC-K-T2-Z	2	PG21	3	74 mm	7.44	7.05	6.46
—1852956	J	VC-K-T3-Z	3	PG21	4	89 mm	8.43	7.99	7.32
—1852969	J	VC-K-T4-Z	4	PG21	5	104 mm	10.54	9.99	9.16
al Hood									
—1884898	J	VC-MP-T1-Z	1	PG16	2	59 mm	15.75	14.92	13.68
—1884908	J	VC-MP-T2-Z	2	PG21	3	74 mm	17.72	16.79	15.39
—1884911	J	VC-MP-T3-Z	3	PG21	4	89 mm	20.92	19.82	18.17
—1884924	J	VC-MP-T4-Z	4	PG21	5	104 mm	23.41	22.18	20.33

le Screw Connections for Hoods - r Cable Clamp for Hood

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Type	Cable Connection	Cable Dia. (mm)	Hood Type	Price Each 1	10	50
tic Ring with Rubber Seal								
—1853751	K	VC-K-KV-PG16 (7-10.5)	PG16	7-10.5	1	3.28	3.11	2.85
—1853764	K	VC-K-KV-PG16 (9-13)	PG16	9-13	1	3.28	3.11	2.85
—1853900	K	VC-K-KV-PG21 (9-13)	PG21	9-13	2-4	5.41	5.13	4.70
—1853926	K	VC-K-KV-PG21 (14-18)	PG21	14-18	2-4	5.41	5.13	4.70
al Ring with Rubber Seal								
—1853971	K	VC-M-KV-PG 16 (7-10.5)	PG16	7-10.5	1	4.26	4.04	3.70
—1853984	K	VC-M-KV-PG 16 (9-13)	PG16	9-13	1	4.26	4.04	3.70
—1854006	K	VC-M-KV-PG 21 (9-13)	PG21	9-13	2-4	7.74	7.34	6.72
—1854048	K	VC-M-KV-PG 21 (14-18)	PG21	14-18	2-4	7.74	7.34	6.72

dular Contact Mounting Frames - ntact Inserts Snap into Frames

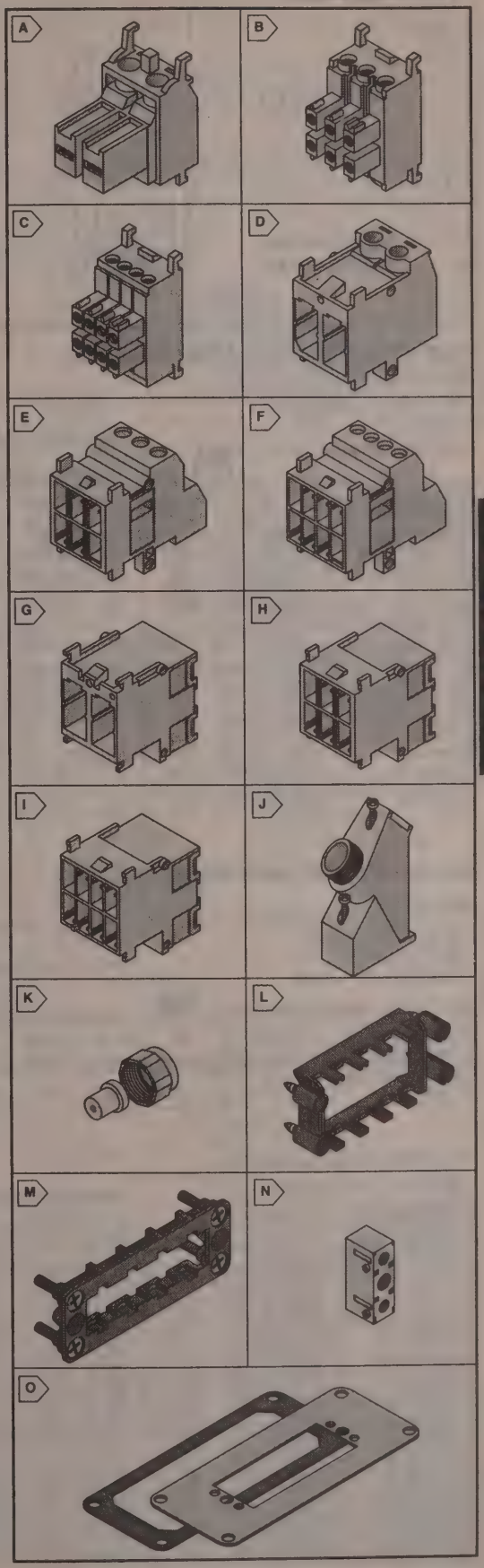
For quantities of 100 and up, call for quote.

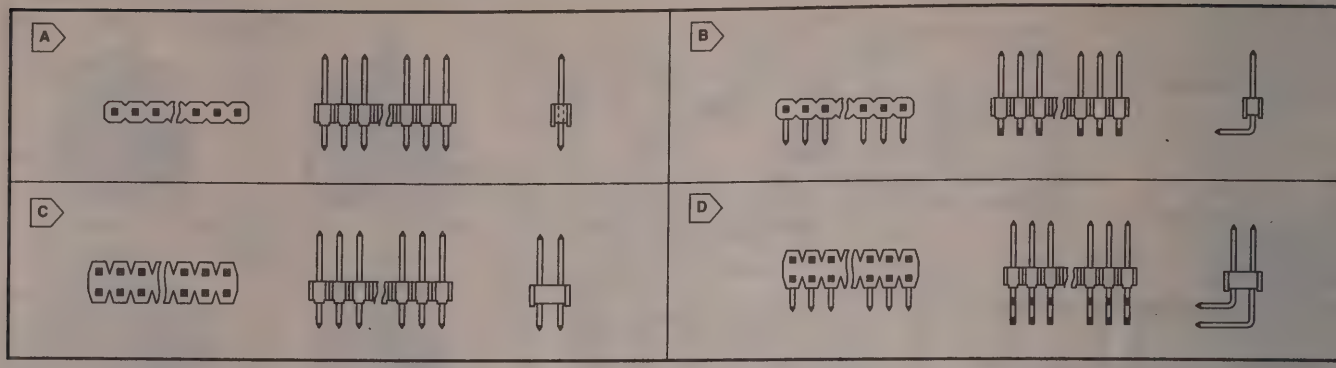
MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Type	Type	# of Inserts	Opening Width	Total Width	Price Each 1	10	50
od Sleeve Frame - Required for Hoods									
—1852891	L	VC-TR1/2M	1	2	50.2 mm	50.2 mm	2.13	2.02	1.85
—1852901	L	VC-TR2/3M	2	3	65.2 mm	65.2 mm	2.65	2.51	2.31
—1852914	L	VC-TR3/4M	3	4	80.2 mm	80.2 mm	3.06	2.90	2.66
—1852927	L	VC-TR4/5M	4	5	95.2 mm	95.2 mm	3.41	3.23	2.96
el Mounting Frame - Required for Panel Applications									
—1852972	M	VC-AR1/2M	1	2	32.4 mm	50.6 mm	3.69	3.49	3.20
—1852985	M	VC-AR2/3M	2	3	47.4 mm	65.6 mm	3.76	3.56	3.27
—1852998	M	VC-AR3/4M	3	4	62.4 mm	80.6 mm	3.78	3.58	3.29
—1853007	M	VC-AR4/5M	4	5	77.4 mm	95.6 mm	4.75	4.50	4.13
unting Flange needed for Panel Frame									
—1852862	N	VC-AF	Secures Panel Mounting Frame to Panel and PCB				3.39	3.21	2.94

al Adapter Plates with Seal

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Type	Type	Opening Width	Total Width	Price Each 1	10	50
apter Panel Plates for HC-B 16 Panel Cutouts								
—1885758	O	HC-B 16-ADP-VC-1	1	40 mm	114 mm	7.06	6.69	6.13
—1885761	O	HC-B 16-ADP-VC-2	2	55 mm	114 mm	7.06	6.69	6.13
—1885774	O	HC-B 16-ADP-VC-3	3	70 mm	114 mm	7.06	6.69	6.13
apter Panel Plates for HC-B 24 panel Cutouts								
—1885813	O	HC-B 24-ADP-VC-1	1	40 mm	141 mm	7.80	7.39	6.77
—1885826	O	HC-B 24-ADP-VC-2	2	55 mm	141 mm	7.80	7.39	6.77
—1885839	O	HC-B 24-ADP-VC-3	3	70 mm	141 mm	7.80	7.39	6.77
—1885842	O	HC-B 24-ADP-VC-4	4	85 mm	141 mm	7.80	7.39	6.77





2300 SERIES .100" PIN STRIP HEADERS

Specifications:

- Insulation material: Glass filled thermoplastic, Black, UL94V-0
- Contact material: Copper alloy
- Tail plating: 100µ" Tin
- Current rating: 3A
- Withstanding voltage: 1000Vrms
- Operating Temperature: -55°C to +105°C
- Series 2300

Mates with socket series 929 and CHG

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	3M Part No.	Pin Mating Length	No. of Pos.	Contact Plating	Price Each 1	100	500
Straight Solder Tail, Single Row								
517-2301-6111TG	A	2301-6111TG	.230	1	10µ" Gold	.11	.10	.09
517-2312-6111TG	A	2312-6111TG	.230	12	10µ" Gold	.29	.27	.25
517-6111TG	A	2340-6111TG	.230	40	10µ "Gold	.81	.74	.70
517-6211TG	A	2340-6211TG	.318	40	10µ" Gold	.81	.74	.70
Right Angle Solder Tail, Single Row								
517-5111TG	B	2340-5111TG	.230	40	10µ" Gold	1.06	.96	.91
Straight Solder Tail, Double Row								
517-2308-6121TG	C	2308-6121TG	.230	8	10µ" Gold	.21	.20	.19
517-2316-6121TG	C	2316-6121TG	.230	16	10µ" Gold	.39	.35	.33
517-2320-6121TG	C	2320-6121TG	.230	20	10µ" Gold	.50	.45	.43
517-2330-6121TG	C	2330-6121TG	.230	30	10µ" Gold	.75	.68	.65
517-2350-6121TG	C	2350-6121TG	.230	50	10µ" Gold	1.25	1.13	1.08
517-6121TG	C	2380-6121TG	.230	80	10µ" Gold	1.65	1.50	1.43
517-6221TG	C	2380-6221TG	.318	80	10µ" Gold	1.80	1.64	1.56
Right Angle Solder Tail, Double Row								
517-5121TG	D	2380-5121TG	.230	80	10µ" Gold	1.78	1.62	1.54

929 SERIES .100" PIN STRIP HEADERS

Specifications:

- Insulation material: Glass filled polyester (PBT), Black, UL94V-0
- Contact material: Copper alloy
- Tail plating: 100µ" Tin
- Current rating: 2.5A
- Withstanding voltage: 1500Vrms
- Operating Temperature: -40°C to +105°C
- Series 929

Mates with socket series 929 and CHG

.093" Mating Length Contact Pins

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	3M Part No.	Tail Length	No. of Pos.	Contact Plating	Price Each 1	100	500
Straight Solder Tail, Single Row								
517-800-01-36	A	929800-01-36	.110	36	Tin	1.47	1.34	1.27

.235" Mating Length Contact Pins

- Contact plating: 10µ" gold or 100µ" tin

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	3M Part No.	Tail Length	No. of Pos.	Contact Plating	Price Each 1	100	500
Straight Solder Tail, Single Row								
517-647-01-02	A	929647-01-02-I	.110	2	Gold	.18	.17	.16
517-647-01-03	A	929647-01-03-I	.110	3	Gold	.25	.23	.22
517-647-01-18	A	929647-01-18-I	.110	18	Gold	1.54	1.40	1.33
517-647-07-18	A	929647-07-18-I	.910	18	Gold	2.79	2.54	2.41
517-647-01-36	A	929647-01-36-I	.110	36	Gold	2.44	2.22	2.11
517-647-02-36	A	929647-02-36-I	.210	36	Gold	2.55	2.32	2.20
517-647-03-36	A	929647-03-36-I	.410	36	Gold	3.17	2.88	2.74
517-647-04-36	A	929647-04-36-I	.510	36	Gold	4.07	3.70	3.52
517-647-05-36	A	929647-05-36-I	.610	36	Gold	3.76	3.42	3.25
517-647-07-36	A	929647-07-36-I	.910	36	Gold	4.38	3.98	3.78
517-647-09-36	A	929647-09-36-I	.145	36	Gold	2.35	2.14	2.03
517-834-01-03	A	929834-01-03	.110	3	Tin	.21	.20	.19
517-834-01-06	A	929834-01-06	.110	6	Tin	.25	.23	.22
517-834-01-36	A	929834-01-36	.110	36	Tin	1.17	1.06	1.01
517-834-02-36	A	929834-02-36	.210	36	Tin	1.39	1.26	1.20
517-834-03-36	A	929834-03-36	.410	36	Tin	1.67	1.52	1.44
517-834-04-36	A	929834-04-36	.510	36	Tin	1.85	1.68	1.60
517-834-05-36	A	929834-05-36	.610	36	Tin	1.87	1.70	1.62
517-834-07-36	A	929834-07-36	.910	36	Tin	2.13	1.94	1.84

929 SERIES .100" PIN STRIP HEADERS (CONT.)

.235" Mating Length Contact Pins

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Fig.	3M Part No.	Tail Length	No. of Pos.	Contact Plating	Price Each 1	100	50
Straight Solder Tail, Double Row								
517-665-01-36	C	929665-01-36-I	.110	72	Gold	1.41	1.28	1.2
517-665-02-36	C	929665-02-36-I	.210	72	Gold	4.14	3.76	3.5
517-665-03-36	C	929665-03-36-I	.410	72	Gold	5.10	4.64	4.4
517-665-04-36	C	929665-04-36-I	.510	72	Gold	6.56	5.96	5.6
517-665-05-36	C	929665-05-36-I	.610	72	Gold	7.06	6.42	6.1
517-665-08-36	C	929665-08-36-I	.310	72	Gold	4.47	4.06	3.8
517-665-09-36	C	929665-09-36-I	.145	72	Gold	3.81	3.46	3.2
517-836-01-02	C	929836-01-02	.110	4	Tin	.17	.16	.1
517-836-01-04	C	929836-01-04	.110	8	Tin	.25	.23	.2
517-836-01-05	C	929836-01-05	.110	10	Tin	.32	.29	.2
517-836-01-10	C	929836-01-10	.110	20	Tin	.64	.58	.5
517-836-01-36	C	929836-01-36	.110	72	Tin	1.87	1.70	1.6
517-836-02-36	C	929836-02-36	.210	72	Tin	2.27	2.06	1.9
517-836-03-36	C	929836-03-36	.410	72	Tin	2.71	2.46	2.3
517-836-04-36	C	929836-04-36	.510	72	Tin	2.99	2.72	2.5
517-836-05-36	C	929836-05-36	.610	72	Tin	2.84	2.58	2.4
517-836-08-36	C	929836-08-36	.310	72	Tin	2.93	2.66	2.5
517-836-09-36	C	929836-09-36	.145	72	Tin	2.62	2.38	2.2
Right Angle Solder Tail, Single Row								
517-835-01-05	D	929835-01-05	.110	10	Tin	.25	.23	.2
517-835-01-16	D	929835-01-16	.110	32	Tin	.84	.76	.7
Right Angle Solder Tail, Double Row								
517-667-01-36	D	929667-01-36-I	.110	72	Gold	4.20	3.82	3.6
517-667-02-36	D	929667-02-36-I	.405	72	Gold	6.56	5.96	5.6
517-667-04-36	D	929667-04-36-I	.145	72	Gold	5.46	4.96	4.7
517-838-01-36	D	929838-01-36	.110	72	Tin	2.38	2.16	2.0
517-838-02-36	D	929838-02-36	.405	72	Tin	2.93	2.66	2.5
517-838-04-36	D	929838-04-36	.145	72	Tin	2.90	2.64	2.5

.295" Mating Length Contact Pins

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Fig.	3M Part No.	Tail Length	No. of Pos.	Contact Plating	Price Each 1	100	500
Straight Solder Tail, Single Row								
517-400-01-01	A	929400-01-01	.135	1	Tin	.14	.13	.1
517-400-01-03	A	929400-01-03	.135	3	Tin	.18	.17	.1
517-400-01-08	A	929400-01-08	.135	8	Tin	.36	.33	.3
517-400-01-10	A	929400-01-10	.135	10	Tin	.45	.41	.3
517-400-01-36	A	929400-01-36	.135	36	Tin	1.39	1.26	1.2
517-450-01-36	A	929450-01-36-I	.135	36	Gold	2.46	2.24	2.1
Right Angle Solder Tail, Single Row								
517-550-01-08	B	929550-01-08-I	.135	8	Gold	.82	.74	.7
517-550-01-36	B	929550-01-36-I	.135	36	Gold	3.06	2.78	2.6
517-500-01-36	B	929500-01-36	.135	36	Tin	1.54	1.40	1.3

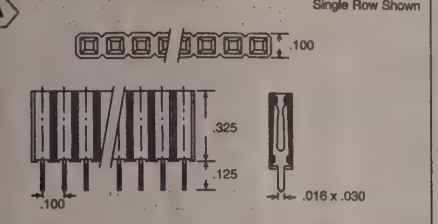
.318" Mating Length Contact Pins

For quantities of 1000 and up, call for quote

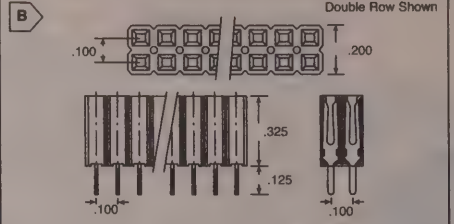
MOUSER STOCK NO.	Fig.	3M Part No.	Tail Length	No. of Pos.	Contact Plating	Price Each 1	100	50
Straight Solder Tail, Single Row								
517-705-09-36	A	929705-09-36-I	.145	36	Gold	2.97	2.70	2.5
517-705-11-36	A	929705-11-36-I	.125	36	Gold	2.55	2.32	2.2
517-700-01-36	A	929700-01-36	.110	36	Tin	1.47	1.34	1.2
517-700-06-36	A	929700-06-36	.710	36	Tin	2.05	1.86	1.7
517-700-11-36	A	929700-11-36	.125	36	Tin	1.76	1.60	1.5
Straight Solder Tail, Double Row								
517-715-01-36	C	929715-01-36-I	.110	72	Gold	4.14	3.76	3.5
517-710-01-36	C	929710-01-36	.110	72	Tin	2.38	2.16	2.0
517-710-03-36	C	929710-03-36	.410	72	Tin	3.39	3.08	2.8

DIMENSIONS: in

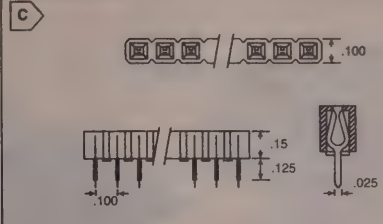
A — Single Row Shown



B — Double Row Shown



C — Low Profile



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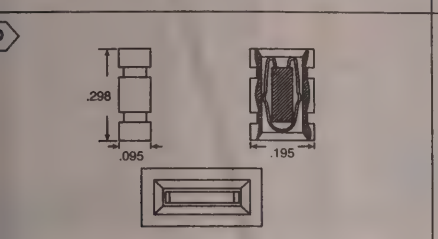
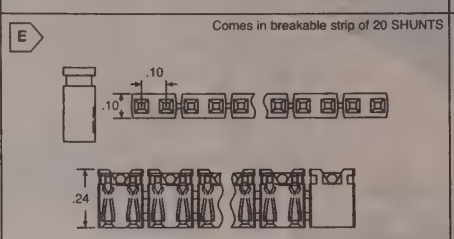


E — Comes in breakable strip of 20 SHUNTS



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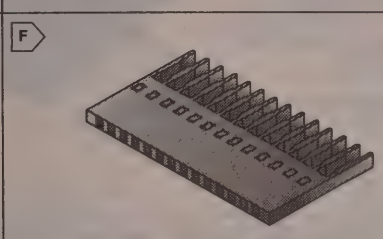


9 SERIES .100" PC BOARD MOUNT SOCKETS

kets mate with .100 pin header for board stacking applications.

ecifications:

- uning fork contact design
- older standoffs facilitate production wave soldering
- sulation material: glass-filled polyester (PBT) black UL94V-0
- ontact plating: 10μ" gold or 100μ" tin
- ontact material: Copper alloy
- urrent rating: 1A
- Tail length: .125"
- Withstanding voltage: 1500Vrms
- Temperature rating: -40°C to +105°C
- Series 929
  Mates with Header Series 2300 and 929

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Cont. per Row	Price Each 1	100	500	1000
ngle Row Gold Plated								
7-850-01-07	929850-01-07-30	A	7	7	1.29	1.18	1.12	1.05
7-850-01-08	929850-01-08-30	A	8	8	1.37	1.25	1.19	1.12
7-850-01-10	929850-01-10-10	A	10	10	1.48	1.35	1.28	1.21
7-850-01-12	929850-01-12-10	A	12	12	1.56	1.43	1.35	1.28
7-850-01-13	929850-01-13-30	A	13	13	1.79	1.63	1.55	1.46
7-850-01-14	929850-01-14-10	A	14	14	1.77	1.62	1.53	1.45
7-850-01-19	929850-01-19-30	A	19	19	2.43	2.22	2.11	1.99
7-850-01-31	929850-01-31-10	A	31	31	2.81	2.57	2.43	2.30
7-850-01-36	929850-01-36-10	A	36	36	2.41	2.20	2.09	1.97
ngle Row Tin Plated								
7-974-01-02	929974-01-02	A	2	2	.92	.84	.79	.75
7-974-01-03	929974-01-03	A	3	3	.96	.87	.83	.78
7-974-01-04	929974-01-04	A	4	4	1.00	.91	.86	.82
7-974-01-10	929974-01-10	A	10	10	1.29	1.18	1.12	1.05
7-974-01-12	929974-01-12	A	12	12	1.33	1.22	1.15	1.09
7-974-01-14	929974-01-14	A	14	14	1.50	1.37	1.30	1.22
7-974-01-16	929974-01-16	A	16	16	1.54	1.41	1.33	1.26
7-974-01-17	929974-01-17	A	17	17	1.56	1.43	1.35	1.28
7-974-01-21	929974-01-21	A	21	21	2.02	1.84	1.75	1.65
7-974-01-36	929974-01-36	A	36	36	1.87	1.71	1.62	1.53
ouble Row Gold Plated								
7-852-01-06	929852-01-06-10	B	12	6	1.46	1.33	1.26	1.19
7-852-01-07	929852-01-07-10	B	14	7	1.54	1.41	1.33	1.26
7-852-01-09	929852-01-09-10	B	18	9	1.77	1.62	1.53	1.45
7-852-01-10	929852-01-10-10	B	20	10	1.85	1.69	1.60	1.51
7-852-01-12	929852-01-12-10	B	24	12	2.08	1.90	1.80	1.70
7-852-01-13	929852-01-13-30	B	26	13	2.31	2.11	2.00	1.89
7-852-01-14	929852-01-14-10	B	28	14	2.25	2.05	1.94	1.84
7-852-01-20	929852-01-20-30	B	40	20	3.08	2.81	2.66	2.52
7-852-01-25	929852-01-25-10	B	50	25	3.74	3.42	3.24	3.06
7-852-01-36	929852-01-36-10	B	72	36	4.62	4.22	4.00	3.77
ouble Row Tin Plated								
7-975-01-10	929975-01-10	B	20	10	1.48	1.35	1.28	1.21
7-975-01-17	929975-01-17	B	34	17	2.00	1.82	1.73	1.63
7-975-01-18	929975-01-18	B	36	18	2.04	1.86	1.76	1.67
7-975-01-36	929975-01-36	B	72	36	3.24	2.96	2.81	2.65
ingle Row Low Profile Gold Plated								
7-870-01-03	929870-01-03-10	C	3	3	1.04	.95	.90	.85
7-870-01-04	929870-01-04-10	C	4	4	1.10	1.01	.95	.90
7-870-01-08	929870-01-08-10	C	8	8	1.39	1.27	1.21	1.14
7-870-01-16	929870-01-16-10	C	16	16	1.96	1.79	1.69	1.60
7-870-01-19	929870-01-19-10	C	19	19	2.56	2.34	2.21	2.09
ingle Row Low Profile Tin Plated								
7-984-01-05	929984-01-05	C	5	5	1.10	1.01	.95	.90
7-984-01-10	929984-01-10	C	10	10	1.41	1.29	1.22	1.16

929 SERIES .100" MIDGIE SHUNTS

Specifications:

- Unique C-Spring contact insures balanced forces
- Insulation material: glass-filled polyester (PBT) black UL94V-0
- Contact plating: Black: Unplated
  Blue: 10μ" Gold in wipe area
  Gray: 30μ" Gold in wipe area
- Stackable end-to-end and side-to-side
- Current rating: 1A
- Contact Material: Copper alloy
- Withstanding voltage: 1500Vrms
- Temperature rating: -55°C to +100°C

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Color	Price Each 1	100	500	1000
517-950-00	929950-00	D	Black	.23	.21	.20	.19
517-955-06	929955-06	D	Blue/Gold	.27	.25	.23	.22
517-957-08	929957-08	D	Gray/Gold	.31	.29	.27	.26

929 SERIES .100" SHUNTS

Specifications:

- Double wipe contact is reliable and failure free
- Insulation material: glass-filled polyester (PBT), UL94V-0
- Current rating: 2A
- Contact plating: Red: 75μ" Tin
  Blue: 10μ" Gold in wipe area
  Gray: 30μ" Gold in wipe area
- Open top contact allows easy probing and testing
- Contact Material: Copper alloy
- Withstanding voltage: 1500Vrms
- Temperature rating: -55°C to +100°C
- Loop hole on top of the contact provides easy removal for testing

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Color	Price Each 1	100	500	1000
517-951-00	929951-00	E	Red	.14	.13	.12	.11
517-952-10	929952-10	E	Blue	.15	.14	.13	.12
517-953-30	929953-30	E	Gray	.15	.14	.13	.12

CHG SERIES .100" PAK 100 WIREMOUNT SOCKETS

Features:

- For .100" Pitch Notched or Discrete Wire Cable
- One row, side-to-side stackable
- Mates to 3M one row pin strip headers
- Twin slot IDC provides four points of contact
- Temperature rating: -55°C to +105°C
- Plating: 30 μ Gold
- Insulation material:
  Glass Filled Polyester (PBT), UL 94V-0
- Color: Gray
- Contact material: Copper alloy
- Current rating: "KEP" 22-24 AWG: 2 A
  "KCP" 26-28 AWG: 1.5 A
- Exclusive L/H 4-wipe contact
- Series CHG
  Mates w/ Header Series 2300 and 929

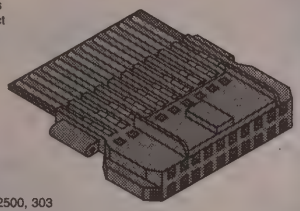
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Wire AWG	Price Each 1	25	50	100
517-CHG-1002-11-KCP	CHG-1002-001010-KCP	F	2	26-28	1.02	.93	.88	.84
517-CHG-1002-11-KEP	CHG-1002-001010-KEP	F	2	22-24	.89	.82	.76	.69
517-CHG-1003-11-KCP	CHG-1003-001010-KCP	F	3	26-28	1.54	1.41	1.28	1.17
517-CHG-1003-11-KEP	CHG-1003-001010-KEP	F	3	22-24	1.34	1.26	1.15	1.05
517-CHG-1004-11-KCP	CHG-1004-001010-KCP	F	4	26-28	2.06	1.88	1.75	1.59
517-CHG-1004-11-KEP	CHG-1004-001010-KEP	F	4	22-24	1.81	1.66	1.50	1.38
517-CHG-1005-11-KCP	CHG-1005-001010-KCP	F	5	26-28	2.58	2.36	2.19	1.98
517-CHG-1005-11-KEP	CHG-1005-001010-KEP	F	5	22-24	2.24	2.06	1.87	1.71
517-CHG-1006-11-KCP	CHG-1006-001010-KCP	F	6	26-28	3.08	2.82	2.56	2.34
517-CHG-1006-11-KEP	CHG-1006-001010-KEP	F	6	22-24	2.70	2.47	2.25	2.05
517-CHG-1007-11-KCP	CHG-1007-001010-KCP	F	7	26-28	3.59	3.28	3.06	2.77
517-CHG-1007-11-KEP	CHG-1007-001010-KEP	F	7	22-24	3.59	3.28	3.06	2.77
517-CHG-1008-11-KCP	CHG-1008-001010-KCP	F	8	26-28	4.11	3.76	3.51	3.17
517-CHG-1008-11-KEP	CHG-1008-001010-KEP	F	8	22-24	4.11	3.76	3.51	3.17
517-CHG-1009-11-KCP	CHG-1009-001010-KCP	F	9	26-28	3.65	3.35	3.05	2.78
517-CHG-1009-11-KEP	CHG-1009-001010-KEP	F	9	22-24	4.05	3.70	3.46	3.12
517-CHG-1010-11-KCP	CHG-1010-001010-KCP	F	10	26-28	3.43	3.14	2.97	2.81
517-CHG-1010-11-KEP	CHG-1010-001010-KEP	F	10	22-24	3.79	3.46	3.22	2.91
517-CHG-1014-11-KCP	CHG-1014-001010-KCP	F	14	26-28	3.91	3.57	3.33	3.01

CHG SERIES .100" PAK 100 POLARIZED WIREMOUNT SOCKETS

Specifications:

- For .100" Notched Ribbon or Discrete Wire Cable
- Military/DIN 41612 compatibility
- Two row, polarized body
- Mates to long latch/eject headers and plugs
- Twin slot IDC provides four points of contact
- Exclusive L/H 4-wipe contact
- With Centerbump
- Insulation material: Glass Filled Polyester (PBT), Gray, UL94V-0
- Contact material: Copper alloy
- Current rating: "KEP" 22-24 AWG: 2 A
  "KCP" 26-28 AWG: 1.5 A
- Temperature rating: -55°C to +105°C
- Plating: 30 µ" Gold
- Series CHG

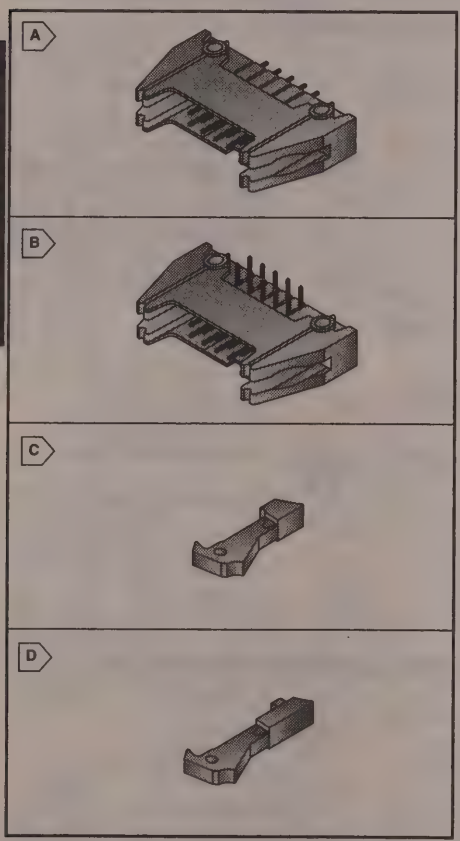


Mates with Header Series: 2300, 929, 3000, 2500, 303
Plug Series: 4600

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	3M Part No.	No. of Contacts	Wire AWG	Price Each 1	25	50	10
517-CHG-2010-J11-KCP	CHG-2010-J01010-KCP	10	26-28	3.33	3.04	2.88	2.7
517-2010-0101	CHG-2010-J01010-KEP	10	22-24	3.33	3.04	2.88	2.7
517-CHG-2014-J11-KCP	CHG-2014-J01010-KCP	14	26-28	4.66	4.26	4.03	3.8
517-CHG-2014-J11-KEP	CHG-2014-J01010-KEP	14	22-24	4.66	4.26	4.03	3.8
517-CHG-2016-J11-KCP	CHG-2016-J01010-KCP	16	26-28	4.33	3.95	3.74	3.5
517-CHG-2016-J11-KEP	CHG-2016-J01010-KEP	16	22-24	4.33	3.95	3.74	3.5
517-CHG20-J01010-KCP	CHG-2020-J01010-KCP	20	26-28	4.99	4.56	4.32	4.0
517-CHG20-J01010-KEP	CHG-2020-J01010-KEP	20	22-24	4.99	4.56	4.32	4.0
517-CHG-2024-J11-KCP	CHG-2024-J01010-KCP	24	26-28	6.18	5.64	5.34	5.0
517-CHG-2024-J11-KEP	CHG-2024-J01010-KEP	24	22-24	6.18	5.64	5.34	5.0
517-CHG-2026-J11-KCP	CHG-2026-J01010-KCP	26	26-28	6.49	5.93	5.62	5.3
517-CHG-2026-J01010	CHG-2026-J01010-KEP	26	22-24	6.49	5.93	5.62	5.3
517-CHG-2030-J11-KCP	CHG-2030-J01010-KCP	30	26-28	6.24	5.70	5.40	5.1
517-CHG-2030-J11-KEP	CHG-2030-J01010-KEP	30	22-24	6.24	5.70	5.40	5.1
517-2034-J01010	CHG-2034-J01010-KEP	34	22-24	7.07	6.46	6.12	5.7
517-CHG-2040-J11-KCP	CHG-2040-J01010-KCP	40	26-28	7.49	6.84	6.37	5.7
517-CHG-2040-J11-KEP	CHG-2040-J01010-KEP	40	22-24	7.49	6.84	6.37	5.7
517-CHG-2050	CHG-2050-J01010-KCP	50	26-28	8.32	7.60	7.20	6.8
517-CHG2050J01010KEP	CHG-2050-J01010-KEP	50	22-24	8.32	7.60	7.20	6.8
517-CHG-2060-J11-KCP	CHG-2060-J01010-KCP	60	26-28	9.98	9.12	8.50	7.6
517-CHG-2060-J11-KEP	CHG-2060-J01010-KEP	60	22-24	9.98	9.12	8.50	7.6

3000 SERIES .100" X .100" LATCH/EJECTOR HEADERS



- Solder Tail Type
- Military (with 3M's 3518 polarizing key) and centerbump polarization
- Standard ejector latches
- Mounting holes for securing header to board
- RoHS compliant
- Optional polarizing posts
- High temperature insulator suitable for "no lead" soldering operations
- Suitable for reflow soldering using "paste in hole" techniques
- Insulation Material: Glass Filled Polyester (PCT)
- Flammability: UL 94V-0
- Color: Black
- Contact material: Copper Alloy
- Contact plating: 30" Gold
- Terminal Finish Indicator: e3 (per JESD97)
- Marking: 3M Logo, Part identifcation Number and Orientation Triangle
- Current Rating: 1A
- Insulation Resistance >1 x 109 at 500Vdc
- Withstanding Voltage: 1000Vrms at Sea Level
- Temperature Rating: -55°C - +105°C
- Process Rating: Maximum 260°C, single pass, (profile per J-STD-020C)
- Moisture Sensitivigy Level: 1 (per J-STD-020C)
- Series 3000

Mates with Socket Series' CHG, 8500, 3000, and 891

Straight

For quantities of 200 and up, call for quo

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Body Width (In.)	Price Each 1	25	50	100
With Short Roll Pin Latch/Ejectors								
517-N3793-6202RB	N3793-6202RB	A	10	1.26	1.39	1.27	1.21	1.14
517-N3314-6202RB	N3314-6202RB	A	14	1.46	1.85	1.69	1.60	1.51
517-N3408-6202RB	N3408-6202RB	A	16	1.56	2.08	1.90	1.80	1.70
517-N3428-6202RB	N3428-6202RB	A	20	1.76	2.54	2.32	2.20	2.07
517-N3627-6202RB	N3627-6202RB	A	24	1.96	2.97	2.72	2.57	2.43
517-N3429-6202RB	N3429-6202RB	A	26	2.06	3.22	2.95	2.79	2.64
517-N3440-6202RB	N3440-6202RB	A	30	2.26	2.97	2.72	2.57	2.43
517-N3431-6202RB	N3431-6202RB	A	34	2.46	3.33	3.04	2.88	2.72
517-N3432-6202RB	N3432-6202RB	A	40	2.76	3.89	3.55	3.37	3.18
517-N3433-6202RB	N3433-6202RB	A	50	3.26	4.78	4.37	4.14	3.91
517-N3372-6202RB	N3372-6202RB	A	60	3.76	5.68	5.19	4.91	4.64
517-N3764-6202RB	N3764-6202RB	A	64	3.96	6.03	5.51	5.22	4.93
With Long Roll Pin Latch/Ejectors								
517-N3793-6302RB	N3793-6302RB	A	10	1.26	1.39	1.27	1.21	1.14
517-N3314-6302RB	N3314-6302RB	A	14	1.46	1.85	1.69	1.60	1.51
517-N3408-6302RB	N3408-6302RB	A	16	1.56	2.08	1.90	1.80	1.70
517-N3428-6302RB	N3428-6302RB	A	20	1.76	2.54	2.32	2.20	2.07
517-N3627-6302RB	N3627-6302RB	A	24	1.96	2.97	2.72	2.57	2.43
517-N3429-6302RB	N3429-6302RB	A	26	2.06	3.22	2.95	2.79	2.64
517-N3440-6302RB	N3440-6302RB	A	30	2.26	2.97	2.72	2.57	2.43
517-N3431-6302RB	N3431-6302RB	A	34	2.46	3.33	3.04	2.88	2.72
517-N3432-6302RB	N3432-6302RB	A	40	2.76	3.89	3.55	3.37	3.18
517-N3433-6302RB	N3433-6302RB	A	50	3.26	4.78	4.37	4.14	3.91
517-N3372-6302RB	N3372-6302RB	A	60	3.76	5.68	5.19	4.91	4.64
517-N3764-6302RB	N3764-6302RB	A	64	3.96	6.03	5.51	5.22	4.93

Right Angle

For quantities of 200 and up, call for quo

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Body Width (In.)	Price Each 1	25	50	100
With Short Roll Pin Latch/Ejectors								
517-N3793-5202RB	N3793-5202RB	B	10	1.26	1.39	1.27	1.21	1.14
517-N3314-5202RB	N3314-5202RB	B	14	1.46	1.85	1.69	1.60	1.51
517-N3408-5202RB	N3408-5202RB	B	16	1.56	2.08	1.90	1.80	1.70
517-N3428-5202RB	N3428-5202RB	B	20	1.76	2.54	2.32	2.20	2.07
517-N3627-5202RB	N3627-5202RB	B	24	1.96	2.97	2.72	2.57	2.43
517-N3429-5202RB	N3429-5202RB	B	26	2.06	3.22	2.95	2.79	2.64
517-N3440-5202RB	N3440-5202RB	B	30	2.26	2.97	2.72	2.57	2.43
517-N3431-5202RB	N3431-5202RB	B	34	2.46	3.33	3.04	2.88	2.72
517-N3432-5202RB	N3432-5202RB	B	40	2.76	3.89	3.55	3.37	3.18
517-N3433-5202RB	N3433-5202RB	B	50	3.26	4.78	4.37	4.14	3.91
517-N3372-5202RB	N3372-5202RB	B	60	3.76	5.68	5.19	4.91	4.64
517-N3764-5202RB	N3764-5202RB	B	64	3.96	6.03	5.51	5.22	4.93
With Long Roll Pin Latch/Ejectors								
517-N3793-5302RB	N3793-5302RB	B	10	1.26	1.39	1.27	1.21	1.14
517-N3314-5302RB	N3314-5302RB	B	14	1.46	1.85	1.69	1.60	1.51
517-N3408-5302RB	N3408-5302RB	B	16	1.56	2.08	1.90	1.80	1.70
517-N3428-5302RB	N3428-5302RB	B	20	1.76	2.54	2.32	2.20	2.07
517-N3627-5302RB	N3627-5302RB	B	24	1.96	2.97	2.72	2.57	2.43
517-N3429-5302RB	N3429-5302RB	B	26	2.06	3.22	2.95	2.79	2.64
517-N3440-5302RB	N3440-5302RB	B	30	2.26	2.97	2.72	2.57	2.43
517-N3431-5302RB	N3431-5302RB	B	34	2.46	3.33	3.04	2.88	2.72
517-N3432-5302RB	N3432-5302RB	B	40	2.76	3.89	3.55	3.37	3.18
517-N3433-5302RB	N3433-5302RB	B	50	3.26	4.78	4.37	4.14	3.91
517-N3372-5302RB	N3372-5302RB	B	60	3.76	5.68	5.19	4.91	4.64
517-N3764-5302RB	N3764-5302RB	B	64	3.96	6.03	5.51	5.22	4.93

Optional Ejector Latches for Headers

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	3M Part No.	Fig.	For Use with Socket Connector	Price Each 1	100
517-3505-2	3505-2	C	Short latch without retainer clip	.15	.14
** 517-3505-3	3505-3	D	Large latch with retainer clip	.15	.14

** 2 latches required to make a set.

MOUSER ELECTRONICS a tti company (800) 346-6873

00 SERIES .100" X .100" LOW PROFILE BOX HEADERS

cifications:

der Tall Type
y profile, space saving design
HS compliant per 3M documentation
h temperature insulator suitable for "no lead" soldering operations
table for reflow soldering using "paste in hole" techniques
ulation material: Glass filled polyester (PCT)
mmability: UL 94V-0
or: Black
ntact material: Copper Alloy
ntact plating: 30" Gold
minal finish indicator: e3 (per JESD97)
rent rating: 2A
ulation resistance: >1x 109 @ 500VDC
hstanding voltage: 1000 Vrms @ sea level
mperature rating: -55°C to +105°C
cess rating: Maximum 260°C, single pass, (profile per J-STD-020C)
sture sensitivity level: 1 (per J-STD-020C)
les 2500 mates with socket series: CHG, 8500, 3000, and 891

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each 1	25	50	100
aight							
-N2510-6002RB	N2510-6002RB	A	10	1.37	1.25	1.19	1.12
-N2514-6002RB	N2514-6002RB	A	14	1.41	1.29	1.22	1.16
-N2516-6002RB	N2516-6002RB	A	16	1.58	1.44	1.37	1.29
-N2520-6002RB	N2520-6002RB	A	20	1.64	1.50	1.42	1.34
-N2524-6002RB	N2524-6002RB	A	24	1.75	1.60	1.51	1.43
-N2526-6002RB	N2526-6002RB	A	26	1.77	1.62	1.53	1.45
-N2530-6002RB	N2530-6002RB	A	30	2.04	1.86	1.76	1.67
-N2534-6002RB	N2534-6002RB	A	34	2.12	1.94	1.84	1.73
-N2540-6002RB	N2540-6002RB	A	40	2.27	2.07	1.96	1.85
-N2550-6002RB	N2550-6002RB	A	50	2.81	2.57	2.43	2.30
-N2560-6002RB	N2560-6002RB	A	60	3.37	3.08	2.92	2.75
-N2564-6002RB	N2564-6002RB	A	64	3.58	3.27	3.10	2.92
ht Angle							
-N2510-5002RB	N2510-5002RB	B	10	1.52	1.39	1.31	1.24
-N2514-5002RB	N2514-5002RB	B	14	1.56	1.43	1.35	1.28
-N2516-5002RB	N2516-5002RB	B	16	1.75	1.60	1.51	1.43
-N2520-5002RB	N2520-5002RB	B	20	1.83	1.67	1.58	1.50
-N2524-5002RB	N2524-5002RB	B	24	1.91	1.75	1.66	1.56
-N2526-5002RB	N2526-5002RB	B	26	1.93	1.77	1.67	1.58
-N2530-5002RB	N2530-5002RB	B	30	2.62	2.39	2.27	2.14
-N2534-5002RB	N2534-5002RB	B	34	2.31	2.11	2.00	1.89
-N2540-5002RB	N2540-5002RB	B	40	2.50	2.28	2.16	2.04
-N2550-5002RB	N2550-5002RB	B	50	3.08	2.81	2.66	2.52
-N2560-5002RB	N2560-5002RB	B	60	3.70	3.38	3.20	3.03
-N2564-5002RB	N2564-5002RB	B	64	3.95	3.61	3.42	3.23

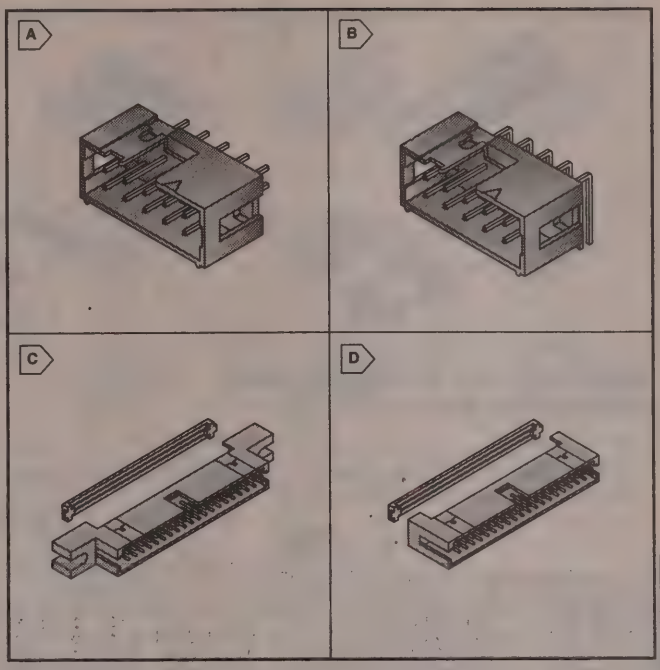
3 SERIES .100" X .100" LOW COST, LOW PROFILE BOX EADERS

cifications:

rdy body
d windows
ulation material: Glass filled polyester (PBT)
mmability: UL94V-0
ulation color: Black
ntact material: Brass
ntact plating: Gold flash
rrent rating: 1A
ulation resistance: >1x 109 @ 500VDC
thstanding voltage: 500Vrms @ sea level
mperature rating: -55°C to +105°C
rles 303 mates with socket series: CHG, 8500, 3000, and 891

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each 1	25	50	100
aight							
-30310-6002	30310-6002HB	A	10	.33	.31	.29	.28
-30314-6002	30314-6002HB	A	14	.35	.33	.31	.29
-30316-6002	30316-6002HB	A	16	.37	.36	.35	.34
-30320-6002	30320-6002HB	A	20	.42	.40	.38	.36
-30326-6002	30326-6002HB	A	26	.50	.46	.42	.38
-30334-6002	30334-6002HB	A	34	.58	.53	.48	.44
-30340-6002	30340-6002HB	A	40	.64	.59	.54	.49
-30350-6002	30350-6002HB	A	50	.77	.70	.64	.58
ht Angle							
-30310-5002	30310-5002HB	B	10	.40	.38	.36	.34
-30314-5002	30314-5002HB	B	14	.42	.40	.38	.36
-30316-5002	30316-5002HB	B	16	.44	.42	.40	.38
-30320-5002	30320-5002HB	B	20	.48	.46	.44	.42
-30326-5002	30326-5002HB	B	26	.56	.54	.52	.50
-30334-5002	30334-5002HB	B	34	.64	.59	.54	.49
-30340-5002	30340-5002HB	B	40	.73	.67	.61	.55
-30350-5002	30350-5002HB	B	50	.85	.78	.71	.65



4600 SERIES .100" X .100" WIREMOUNT PLUGS IDC SHROUDED HEADERS

Features:

- Shrouded to protect against physical and chemical pin damage
- Accepts flat cable or discrete wire
- Insulation material: Glass filled polyester (PBT)
- Flammability: UL 94V-0
- Color: Gray
- Contact material: Copper alloy
- Wire Accommodation: 26 and 28 AWG solid or stranded
- Current rating: 1A
- Temperature rating: -55°C to +105°C
- Plating: 30 µ" Gold
- Open end cover included
- Series 4600 mates with socket series: CHG, 8500, 3000, and 891

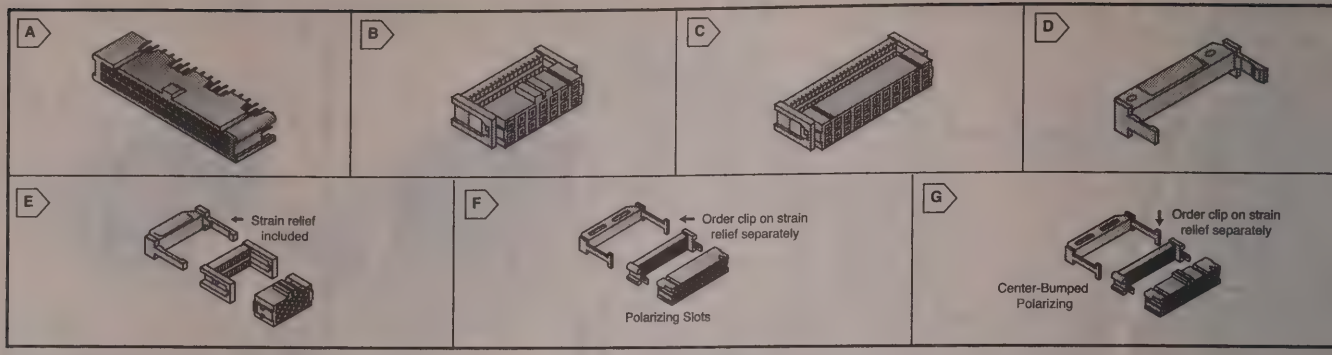
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each 1	25	50	100
With Mounting Flange							
517-4610-6050	4610-6050	A	10	2.95	2.70	2.55	2.42
517-4614-6000	4614-6000	A	14	4.10	3.74	3.49	3.15
517-4616-6000	4616-6000	A	16	4.64	4.24	3.94	3.57
517-4620-6000	4620-6000	A	20	5.41	4.94	4.60	4.16
517-4624-6000	4624-6000	A	24	5.95	5.44	5.06	4.57
517-4626-6000	4626-6000	A	26	6.15	5.63	5.24	4.74
517-4634-6000	4634-6000	A	34	7.63	6.97	6.50	5.88
517-4636-6000	4636-6000	A	36	8.08	7.37	6.87	6.20
517-4640-6000	4640-6000	A	40	8.47	7.73	7.20	6.51
517-4650-6000	4650-6000	A	50	9.18	8.38	7.81	7.05
517-4660-6000	4660-6000	A	60	10.82	9.88	9.20	8.32
Without Mounting Flange							
517-4610-6051	4610-6051	B	10	2.95	2.70	2.55	2.42
517-4614-6001	4614-6001	B	14	4.10	3.74	3.49	3.15
517-4616-6001	4616-6001	B	16	4.64	4.24	3.94	3.57
517-4620-6001	4620-6001	B	20	5.41	4.94	4.60	4.16
517-4624-6001	4624-6001	B	24	5.95	5.44	5.06	4.57
517-4626-6001	4626-6001	B	26	6.15	5.63	5.24	4.74
517-4634-6001	4634-6001	B	34	7.63	6.97	6.50	5.88
517-4636-6001	4636-6001	B	36	8.08	7.37	6.87	6.20
517-4640-6001	4640-6001	B	40	8.47	7.73	7.20	6.51
517-4650-6001	4650-6001	B	50	9.18	8.38	7.81	7.05
517-4660-6001	4660-6001	B	60	10.82	9.88	9.20	8.32

Accessories

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each 1	25	50	100
517-3448-4610	3448-4610	10P strain relief	.46	.44	.42	.40
517-3448-4614	3448-4614	14P strain relief	.46	.44	.42	.40
517-3448-4616	3448-4616	16P strain relief	.46	.44	.42	.40
517-3448-4620	3448-4620	20P strain relief	.46	.44	.42	.40
517-3448-4624	3448-4624	24P strain relief	.46	.44	.42	.40
517-3448-4626	3448-4626	26P strain relief	.46	.44	.42	.40
517-3448-4634	3448-4634	34P strain relief	.46	.44	.42	.40
517-3448-4636	3448-4636	36P strain relief	.46	.44	.42	.40
517-3448-4640	3448-4640	40P strain relief	.46	.44	.42	.40
517-3448-4650	3448-4650	50P strain relief	.46	.44	.42	.40
517-3448-4660	3448-4660	60P strain relief	.46	.44	.42	.40
517-3518	3518	polarization key	.16	.15	.14	.13
517-3505-16	3505-16	short latch	.18	.17	.16	.15
517-3505-17	3505-17	long latch	.19	.18	.17	.16



8500 SERIES .100" X .100" POLARIZED BOARDMOUNT SOCKETS

- Centerbump polarization
- Mates with low profile shrouded headers
- Board retention feature
- Insulation material: Glass filled polyester (PBT), Gray, UL 94V-0
- Contact material: Copper alloy
- Contact plating: 12µ" Gold
- Current rating: 1A
- Withstanding voltage: 1000Vrms
- Temperature rating: -55° C to +105°C
- Series 8500

Mates w/ Header Series: 3000, 2500, & 303
Plug Series: 4600

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each 1	25	50	100
517-8510-4500JL	8510-4500JL	A	10	1.91	1.75	1.66	1.56
517-8520-4500	8520-4500JL	A	20	2.83	2.58	2.35	2.15
517-8526-4500	8526-4500JL	A	26	3.37	3.08	2.80	2.56
517-8534-4500	8534-4500JL	A	34	4.06	3.71	3.37	3.08
517-8540-4500	8540-4500JL	A	40	4.56	4.16	3.79	3.46
517-8550-4500	8550-4500JL	A	50	5.45	4.98	4.53	4.14

891 SERIES .100" X .100" PREASSEMBLED WIREMOUNT SOCKETS

- Wire accomodation: 26 & 28 AWG stranded
- Insulation material: Glass filled polyester (PBT), Gray, UL 94V-0
- Plating: 30µ" gold
- Contact material: Phosphor Bronze (C510)
- Current rating: 1A
- Temperature rating: -55° C to +105°C
- Withstanding voltage: 1000Vrms
- Series 891

Mates w/ Header Series: 3000, 2500, & 303
Plug Series: 4600

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each 1	25	50	100
Centerbump Polarizing							
517-89110-0101	89110-0101	B	10	.64	.59	.54	.49
517-89114-0101	89114-0101	B	14	.66	.61	.56	.51
517-89116-0101	89116-0101	B	16	.69	.63	.57	.53
517-89120-0101	89120-0101	B	20	.75	.69	.63	.57
517-89126-0101	89126-0101	B	26	.85	.78	.71	.65
517-89130-0101	89130-0101	B	30	.94	.86	.78	.72
517-89134-0101	89134-0101	B	34	.96	.88	.80	.73
517-89140-0101	89140-0101	B	40	1.29	1.18	1.07	.98
517-89150-0101	89150-0101	B	50	1.39	1.28	1.15	1.06
Without Centerbump Polarizing							
517-89110-0001	89110-0001	C	10	.64	.59	.54	.49
517-89114-0001	89114-0001	C	14	.66	.61	.56	.51
517-89116-0001	89116-0001	C	16	.69	.63	.57	.53
517-89120-0001	89120-0001	C	20	.75	.69	.63	.57
517-89126-0001	89126-0001	C	26	.85	.78	.71	.65
517-89134-0001	89134-0001	C	34	.96	.88	.80	.73
517-89140-0001	89140-0001	C	40	1.29	1.18	1.07	.98
517-89150-0001	89150-0001	C	50	1.39	1.28	1.15	1.06
517-89160-0001	89160-0001	C	60	1.43	1.31	1.19	1.09
Optional Clip On Strain Relief							
517-3448-89110	3448-89110	D	10	.19	.18	.17	.16
517-3448-89114	3448-89114	D	14	.19	.18	.17	.16
517-3448-89116	3448-89116	D	16	.19	.18	.17	.16
517-3448-89120	3448-89120	D	20	.19	.18	.17	.16
517-3448-89126	3448-89126	D	26	.19	.18	.17	.16
517-3448-89134	3448-89134	D	34	.19	.18	.17	.16
517-3448-89140	3448-89140	D	40	.19	.18	.17	.16
517-3448-89150	3448-89150	D	50	.19	.18	.17	.16
517-3448-89160	3448-89160	D	60	.19	.18	.17	.16

SCOTCHFLEX ® ECONOMY SOCKET CONNECTORS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each 1	25	50	100
517-8910	89110-0103	E	10	.75	.68	.64	.57
517-8914	89114-0103	E	14	.77	.70	.67	.63
517-8916	89116-0103	E	16	.79	.72	.68	.65
517-8920	89120-0103	E	20	.85	.78	.74	.70
517-8924	89124-0103	E	24	.92	.84	.79	.75
517-8926	89126-0103	E	26	.98	.89	.85	.80
517-8930	89130-0103	E	30	1.12	1.03	.97	.92
517-8934	89134-0103	E	34	1.20	1.11	1.02	.93
517-8940	89140-0103	E	40	1.44	1.31	1.24	1.17
517-8950	89150-0103	E	50	1.87	1.73	1.60	1.44
517-8960	89160-0103	E	60	1.56	1.43	1.35	1.28

3000 SERIES .100" X .100" WIREMOUNT SOCKET CONNECTORS

- Industry standard IDC socket
- Current rating: 1A
- Positive locking metal "J" clips provide high cover retention
- Withstanding voltage: 1000Vrms
- Accepts flat cable or discrete wire
- Temperature rating: -55° C to +105°C
- Insulation material: Glass filled polyester (PBT), Gray, UL 94V-0
- Contact material: Copper alloy
- Wire accommodation: 26 & 28 AWG solid or standed
- Series 3000
- Plating: 30µ" Gold
- Order strain reliefs separately. (see below)

Mates w/ Header Series: 3000, 2500, & 303
Plug Series: 4600

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each 1	25	50	100
Polarizing Slots - Open-Ended for Daisy Chaining							
517-3473-6000	3473-6000	F	10	1.99	1.83	1.66	1.5
517-3385-6000	3385-6000	F	14	2.41	2.21	2.00	1.8
517-3452-6000	3452-6000	F	16	2.64	2.42	2.20	2.0
517-3421-6000	3421-6000	F	20	2.91	2.66	2.42	2.2
517-3626-6000	3626-6000	F	24	3.49	3.20	2.91	2.6
517-3399-6000	3399-6000	F	26	3.76	3.43	3.13	2.8
517-3419-6000	3419-6000	F	30	4.32	3.95	3.59	3.2
517-3414-6000	3414-6000	F	34	4.91	4.48	4.08	3.7
517-3417-6000	3417-6000	F	40	5.77	5.26	4.79	4.3
517-3425-6000	3425-6000	F	50	7.20	6.58	5.99	5.4
Polarizing Slots - Closed-Ended for Line Termination							
517-3473-7000	3473-7000	F	10	2.12	1.94	1.76	1.6
517-3385-7000	3385-7000	F	14	2.66	2.44	2.22	2.0
517-3452-7000	3452-7000	F	16	2.78	2.55	2.32	2.1
517-3421-7000	3421-7000	F	20	3.05	2.80	2.54	2.3
517-3626-7000	3626-7000	F	24	3.65	3.35	3.05	2.7
517-3399-7000	3399-7000	F	26	3.97	3.63	3.30	3.0
517-3419-7000	3419-7000	F	30	4.56	4.16	3.79	3.4
517-3414-7000	3414-7000	F	34	5.12	4.67	4.25	3.8
517-3417-7000	3417-7000	F	40	6.01	5.49	5.00	4.5
517-3425-7000	3425-7000	F	50	7.49	6.84	6.23	5.6
Center-Bumped Polarizing - Open-Ended for Daisy Chaining							
517-3473-6600	3473-6600	G	10	1.99	1.83	1.66	1.5
517-3385-6600	3385-6600	G	14	2.41	2.21	2.00	1.8
517-3452-6600	3452-6600	G	16	2.64	2.42	2.20	2.0
517-3421-6600	3421-6600	G	20	2.91	2.66	2.42	2.2
517-3626-6600	3626-6600	G	24	3.49	3.20	2.91	2.6
517-3399-6600	3399-6600	G	26	3.76	3.43	3.13	2.8
517-3419-6600	3419-6600	G	30	4.32	3.95	3.59	3.2
517-3414-6600	3414-6600	G	34	4.91	4.48	4.08	3.7
517-3417-6600	3417-6600	G	40	5.77	5.26	4.79	4.3
517-3425-6600	3425-6600	G	50	7.20	6.58	5.99	5.4
Center-Bumped Polarizing - Closed-Ended for Line Termination							
517-3473-7600	3473-7600	G	10	2.12	1.94	1.76	1.6
517-3385-7600	3385-7600	G	14	2.66	2.44	2.22	2.0
517-3452-7600	3452-7600	G	16	2.78	2.55	2.32	2.1
517-3421-7600	3421-7600	G	20	3.05	2.80	2.54	2.3
517-3626-7600	3626-7600	G	24	3.65	3.35	3.05	2.7
517-3399-7600	3399-7600	G	26	3.97	3.63	3.30	3.0
517-3419-7600	3419-7600	G	30	4.56	4.16	3.79	3.4
517-3414-7600	3414-7600	G	34	5.12	4.67	4.25	3.8
517-3417-7600	3417-7600	G	40	6.01	5.49	5.00	4.5
517-3425-7600	3425-7600	G	50	7.49	6.84	6.23	5.6

Plastic Clip On Strain Reliefs

For quantities of 200 and up, call for quo

MOUSER STOCK NO.	3M Part No.	No. of Contacts	Price Each 1	25	50	100
517-3448-3010	3448-3010	10	.25	.23	.21	.1
517-3448-3014	3448-3014	14	.25	.23	.21	.1
517-3448-3016	3448-3016	16	.25	.23	.21	.1
517-3448-3020	3448-3020	20	.25	.23	.21	.1
517-3448-3024	3448-3024	24	.25	.23	.21	.1
517-3448-3026	3448-3026	26	.25	.23	.21	.1
517-3448-3030	3448-3030	30	.25	.23	.21	.1
517-3448-3034	3448-3034	34	.25	.23	.21	.1
517-3448-3040	3448-3040	40	.25	.23	.21	.1
517-3448-3050	3448-3050	50	.25	.23	.21	.1

0 SERIES .050" X .100" TRIPOLARIZED, TCH/EJECTOR HEADERS

cifications:

- tch and eject for rugged high performance applications
- o-row solder tail design saves board space
- ur-wall shroud provides contact protection
- ulation material: High temperature plastic (LCP), Ivory, UL 94V-0
- mperature rating: -55°C to + 105°C
- Plating: 30µ" Gold
- Current rating: 0.5A
- Withstanding voltage: 500 Vrms
- Contact material: Copper alloy

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Body Width (In.)	Price Each 1	25	50	100
raight								
7-81020-620201	81020-620201	A	20	1.06	4.16	3.80	3.46	3.16
7-81026-620201	81026-620201	A	26	1.21	5.28	4.83	4.39	4.01
7-81036-620201	81036-620201	A	36	1.46	7.16	6.54	6.19	5.85
7-81040-620201	81040-620201	A	40	1.56	7.90	7.22	6.57	6.00
7-81060-620201	81060-620201	A	60	2.06	11.65	10.64	9.69	8.85
7-81068-620201	81068-620201	A	68	2.26	13.15	12.01	10.93	9.99
7-81080-620201	81080-620201	A	80	2.56	15.39	14.06	12.80	11.69
7-81100-620201	81100-620201	A	100	3.06	19.14	17.48	15.92	14.54
ght Angle								
7-81020-520203	81020-520203	B	20	1.06	4.37	3.99	3.63	3.32
7-81026-520203	81026-520203	B	26	1.21	5.55	5.07	4.62	4.22
7-81036-520203	81036-520203	B	36	1.46	7.53	6.88	6.52	6.15
7-81040-520203	81040-520203	B	40	1.56	8.32	7.60	6.92	6.32
7-81060-520203	81060-520203	B	60	2.06	12.27	11.21	10.21	9.32
7-81068-520203	81068-520203	B	68	2.26	13.85	12.65	11.52	10.52
7-81080-520203	81080-520203	B	80	2.56	16.22	14.82	13.49	12.32
7-81100-520203	81100-520203	B	100	3.06	20.18	18.43	16.78	15.33

00 SERIES .050" X .100" TRIPOLARIZED WIREMOUNT OCKETS

cifications:

- ll-n-dale design provides a high performance IDC termination
- sert-molded copper alloy contacts for superior strenght and reliability
- sulation material: Glass filled polyester (PBT), Gray, UL 94V-0
- mperature rating: -55°C to +105°C
- Metal cover latch
- Plating: 30µ" Gold
- Current rating: 0.5A
- Withstand voltage: 500Vrms

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Body Width (In.)	Price Each 1	25	50	100
ockets - Strain Relief Included								
7-82020-6006	82020-6006	C	20	0.755	5.99	5.47	4.98	4.55
7-82026-6006	82026-6006	C	26	0.905	7.03	6.42	5.85	5.34
7-82036-6006	82036-6006	C	36	1.155	8.69	7.94	7.23	6.60
7-82040-6006	82040-6006	C	40	1.255	9.38	8.57	7.80	7.13
7-82050-6006	82050-6006	C	50	1.505	11.04	10.09	9.19	8.39
7-82060-6006	82060-6006	C	60	1.755	12.71	11.61	10.57	9.65
7-82068-6006	82068-6006	C	68	1.955	14.06	12.84	11.69	10.68
7-82080-6006	82080-6006	C	80	2.255	16.10	14.71	13.39	12.23
7-82100-6006	82100-6006	C	100	2.755	19.47	17.78	16.19	14.79
ockets - Strain Relief Not Included (order separately)								
7-82020-6000	82020-6000	C	20	0.755	5.45	4.98	4.53	4.14
7-82026-6000	82026-6000	C	26	0.905	6.49	5.93	5.40	4.93
7-82036-6000	82036-6000	C	36	1.155	8.13	7.43	6.76	6.18
7-82040-6000	82040-6000	C	40	1.255	8.80	8.04	7.32	6.68
7-82060-6000	82060-6000	C	60	1.755	12.11	11.06	10.07	9.20
7-82068-6000	82068-6000	C	68	1.955	13.44	12.27	11.63	10.98
7-82080-6000	82080-6000	C	80	2.255	15.48	14.14	12.87	11.76
7-82100-6000	82100-6000	C	100	2.755	18.80	17.18	15.64	14.28

tional Strain Reliefs

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each 1	100	500	1000
7-3858-020	3858-020	20P strain relief	.58	.53	.50	.48
7-3858-026	3858-026	26P strain relief	.58	.53	.50	.48
7-3858-036	3858-036	36P strain relief	.58	.53	.50	.48
7-3858-040	3858-040	40P strain relief	.58	.53	.50	.48
7-3858-060	3858-060	60P strain relief	.58	.53	.50	.48
7-3858-068	3858-068	68P strain relief	.58	.53	.50	.48
7-3858-080	3858-080	80P strain relief	.58	.53	.50	.48
7-3858-100	3858-100	100P strain relief	.58	.53	.50	.48

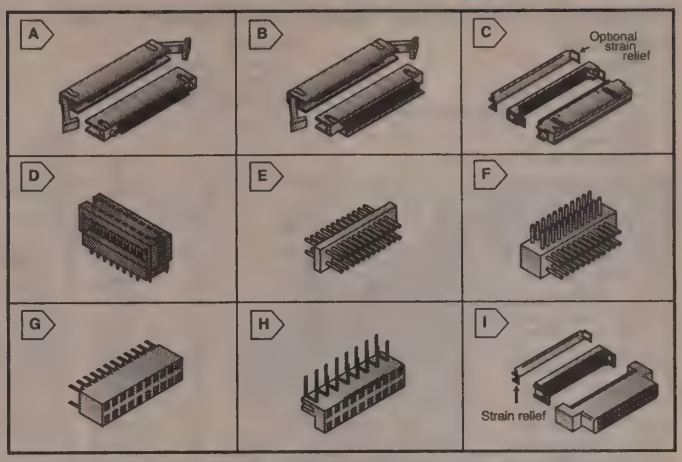
4 SERIES .100" X .100" 2 ROW PCB CONNECTORS

cifications:

- eplacement Series for the 39xx-T Series
- sulation material: Glass filled thermoplastic, Black, UL 94V-0
- /ire Accommodation: 28 AWG Stranded
- emperature rating: -55°C to +105°C
- ses less board area than 4-row design
- Contact material: Copper alloy
- Current rating: 1A
- Withstanding voltage: 650 VAC for 1 minute
- Fits standard .100" x .100" header layout
- Preassembled cover for fast termination

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Body Width (In.)	Price Each 1	25	50	100
7-99410-0016T	99410-0016T	D	10	0.689	.63	.57	.53	.51
7-99414-0016T	99414-0016T	D	14	0.889	.77	.70	.65	.63
7-99416-0016T	99416-0016T	D	16	0.989	.81	.74	.68	.66
7-99420-0016T	99420-0016T	D	20	1.189	.94	.86	.79	.77
7-99424-0016T	99424-0016T	D	24	1.389	1.08	.99	.91	.88
7-99426-0016T	99426-0016T	D	26	1.489	1.20	1.10	1.00	.98
7-99430-0016T	99430-0016T	D	30	1.689	1.31	1.20	1.10	1.07
7-99434-0016T	99434-0016T	D	34	1.889	1.35	1.24	1.14	1.11
7-99436-0016T	99436-0016T	D	36	1.989	1.50	1.37	1.26	1.22
7-99440-0016T	99440-0016T	D	40	2.189	1.60	1.46	1.35	1.31
7-99450-0016T	99450-0016T	D	50	2.689	2.06	1.88	1.73	1.68
7-99460-0016T	99460-0016T	D	60	3.189	2.43	2.22	2.05	1.99



2MM X 2MM PIN STRIP HEADERS AND BOARDMOUNT SOCKETS

Specifications:

- Industry standard compatible
- High temperature dielectric
- IR, vapor and wave solder compatible
- Current rating: 1.5A
- Withstand voltage: 500 Vdc
- Temperature rating: -55°C to +105°C
- End and side stackable
- Insulation material: Glass filled polyester (PCT)Black, UL 94V-0
- Contact material: Copper alloy
- Plating: 30µ" gold

1512 Series Pin Strip Headers

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Price Each 1	25	50	100
Straight							
517-151210-8322	151210-8322-TB	E	10	1.06	.97	.88	.81
517-151212-8322	151212-8322-TB	E	12	1.16	1.06	.97	.88
517-151220-8322	151220-8322-TB	E	20	1.56	1.43	1.30	1.19
517-151226-8322	151226-8322-TB	E	26	1.89	1.73	1.57	1.44
517-151230-8322	151230-8322-TB	E	30	2.06	1.88	1.71	1.56
517-151240-8322	151240-8322-TB	E	40	2.45	2.24	2.04	1.86
517-151250-8322	151250-8322-TB	E	50	2.91	2.66	2.42	2.21
Right Angle							
517-151210-7422	151210-7422-TB	F	10	.71	.65	.59	.54
517-151220-7422	151220-7422-TB	F	20	1.04	.95	.87	.79
517-151226-7422	151226-7422-TB	F	26	1.27	1.16	1.06	.96
517-151230-7422	151230-7422-TB	F	30	1.39	1.27	1.16	1.06
517-151240-7422	151240-7422-TB	F	40	1.87	1.71	1.56	1.42
517-151244-7422	151244-7422-TB	F	44	2.00	1.82	1.66	1.52
517-151250-7422	151250-7422-TB	F	50	2.18	2.00	1.82	1.66

1502 Series Boardmount Sockets

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Price Each 1	25	50	100
Straight							
517-150210-6002	150210-6002-TB	G	10	2.00	1.82	1.66	1.52
517-150220-6002	150220-6002-TB	G	20	2.35	2.15	1.95	1.79
517-150226-6002	150226-6002-TB	G	26	2.56	2.34	2.13	1.94
517-150230-6002	150230-6002-TB	G	30	2.70	2.47	2.25	2.05
517-150240-6002	150240-6002-TB	G	40	3.06	2.79	2.54	2.32
517-150244-6002	150244-6002-TB	G	44	3.20	2.93	2.66	2.43
517-150250-6002	150250-6002-TB	G	50	3.41	3.12	2.84	2.59
Right Angle							
517-150210-5002	150210-5002-TB	H	10	5.41	4.94	4.50	4.11
517-150220-5002	150220-5002-TB	H	20	5.87	5.36	4.88	4.46
517-150230-5002	150230-5002-TB	H	30	6.30	5.76	5.24	4.79
517-150240-5002	150240-5002-TB	H	40	6.76	6.18	5.62	5.14
517-150244-5002	150244-5002-TB	H	44	6.91	6.31	5.74	5.25
517-150250-5002	150250-5002-TB	H	50	7.18	6.56	5.97	5.45

2MM X 2MM WIREMOUNT SOCKETS

Specifications:

- For 1mm Pitch Cable
- Preassembled open covers
- Insulation material: Glass filled polyester (PBT), Gray, UL94V-0
- Current rating: 1A
- Withstanding voltage: 500 Vrms
- Low Profile
- Contact material: Copper alloy
- Plating: 30µ" Gold
- Temperature rating: -55°C to +105°C
- Industry standard compatible

1522 Series

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Price Each 1	25	50	100
517-152210-0100	152210-0100-GB	I	10	3.14	2.87	2.61	2.39
517-152212-0100	152212-0100-GB	I	12	3.18	2.91	2.65	2.42
517-152220-0100	152220-0100-GB	I	20	3.47	3.17	2.89	2.64
517-152226-0100	152226-0100-GB	I	26	4.18	3.82	3.48	3.18
517-152240-0100	152240-0100-GB	I	40	4.37	3.99	3.78	3.57
517-152244-0100	152244-0100-GB	I	44	4.49	4.10	3.74	3.41
517-152250-0100	152250-0100-GB	I	50	4.58	4.18	3.81	3.48
Strain Reliefs							
517-3448-152210	3448-152210	--	10	.33	.31	.29	.28
517-3448-152212	3448-152212	--	12	.50	.46	.42	.38
517-3448-152220	3448-152220	--	20	.33	.31	.29	.28
517-3448-152226	3448-152226	--	26	.37	.36	.35	.34
517-3448-152240	3448-152240	--	40	.37	.36	.35	.34
517-3448-152244	3448-152244	--	44	.33	.30	.29	.27
517-3448-152250	3448-152250	--	50	.33	.30	.29	.27

2.00MM IDC, WIREMOUNT MINI-CLAMP CONNECTORS - 371 AND 373 SERIES

Specifications:
- Flammability: UL94V-0
- Body Color: Black
- Contact Material: Copper Alloy
- Insulation Material: Nylon body, Polycarbonate cover
- Current Rating: 3.0 A
- Voltage Rating: 32 V
- Temperature Rating: -20°C to 85°C

Features:
- Operation by general tool "pliers" reduces tooling cost
- Latch enables rugged field termination

Applications:
- Clinical Labs
- Gaming Machines
- Controller for LED displays
- Homeland Security
- X-Ray Machines
- Communication Networking Equipment

For quantities of 200 and up, call for quote.

Mouser Stock No.	3M Part No.	Fig.	No. of Positions	Wire AWG	Cover Color	Wire Insulation OD (mm)	Price Each 1	25	50	100
Plug Connectors										
517-37103-2124-000-1	37103-2124-000 FL 100	A	3	20-22	Green	1.0 ~ 1.2	2.04	1.86	1.70	1.55
517-37103-2165-000-1	37103-2165-000 FL 100	A	3	20-22	Blue	1.2 ~ 1.6	2.04	1.86	1.70	1.55
517-37103-2206-000-1	37103-2206-000 FL 100	A	3	20-22	Gray	1.6 ~ 2.0	2.04	1.86	1.70	1.55
517-37103-3101-000-1	37103-3101-000 FL 100	A	3	24-26	Red	0.8 ~ 1.0	2.04	1.86	1.70	1.55
517-37103-3122-000-1	37103-3122-000 FL 100	A	3	24-26	Yellow	1.0 ~ 1.2	2.04	1.86	1.70	1.55
517-37103-3163-000-1	37103-3163-000 FL 100	A	3	24-26	Orange	1.2 ~ 1.6	2.04	1.86	1.70	1.55
517-37104-2124-000-1	37104-2124-000 FL 100	A	4	20-22	Green	1.0 ~ 1.2	2.43	2.22	2.02	1.85
517-37104-2165-000-1	37104-2165-000 FL 100	A	4	20-22	Blue	1.2 ~ 1.6	2.43	2.22	2.02	1.85
517-37104-2206-000-1	37104-2206-000 FL 100	A	4	20-22	Gray	1.6 ~ 2.0	2.43	2.22	2.02	1.85
517-37104-3101-000-1	37104-3101-000 FL 100	A	4	24-26	Red	0.8 ~ 1.0	2.43	2.22	2.02	1.85
517-37104-3122-000-1	37104-3122-000 FL 100	A	4	24-26	Yellow	1.0 ~ 1.2	2.43	2.22	2.02	1.85
517-37104-3163-000-1	37104-3163-000 FL 100	A	4	24-26	Orange	1.2 ~ 1.6	2.43	2.22	2.02	1.85
Socket Connectors without Latches										
517-37303-2124-000-1	37303-2124-000 FL 100	B	3	20-22	Green	1.0 ~ 1.2	2.18	2.00	1.82	1.66
517-37303-2165-000-1	37303-2165-000 FL 100	B	3	20-22	Blue	1.2 ~ 1.6	2.18	2.00	1.82	1.66
517-37303-2206-000-1	37303-2206-000 FL 100	B	3	20-22	Gray	1.6 ~ 2.0	2.18	2.00	1.82	1.66
517-37303-3101-000-1	37303-3101-000 FL 100	B	3	24-26	Red	0.8 ~ 1.0	2.18	2.00	1.82	1.66
517-37303-3122-000-1	37303-3122-000 FL 100	B	3	24-26	Yellow	1.0 ~ 1.2	2.18	2.00	1.82	1.66
517-37303-3163-000-1	37303-3163-000 FL 100	B	3	24-26	Orange	1.2 ~ 1.6	2.18	2.00	1.82	1.66
517-37304-2124-000-1	37304-2124-000 FL 100	B	4	20-22	Green	1.0 ~ 1.2	2.62	2.39	2.18	1.99
517-37304-2165-000-1	37304-2165-000 FL 100	B	4	20-22	Blue	1.2 ~ 1.6	2.62	2.39	2.18	1.99
517-37304-2206-000-1	37304-2206-000 FL 100	B	4	20-22	Gray	1.6 ~ 2.0	2.62	2.39	2.18	1.99
517-37304-3101-000-1	37304-3101-000 FL 100	B	4	24-26	Red	0.8 ~ 1.0	2.62	2.39	2.18	1.99
517-37304-3122-000-1	37304-3122-000 FL 100	B	4	24-26	Yellow	1.0 ~ 1.2	2.62	2.39	2.18	1.99
517-37304-3163-000-1	37304-3163-000 FL 100	B	4	24-26	Orange	1.2 ~ 1.6	2.62	2.39	2.18	1.99
Socket Connectors with Latches										
517-37303-2124-0P0-1	37303-2124-0P0 FL 100	C	3	20-22	Green	1.0 ~ 1.2	2.29	2.09	1.90	1.74
517-37303-2165-0P0-1	37303-2165-0P0 FL 100	C	3	20-22	Blue	1.2 ~ 1.6	2.29	2.09	1.90	1.74
517-37303-2206-0P0-1	37303-2206-0P0 FL 100	C	3	20-22	Gray	1.6 ~ 2.0	2.29	2.09	1.90	1.74
517-37303-3101-0P0-1	37303-3101-0P0 FL 100	C	3	24-26	Red	0.8 ~ 1.0	2.29	2.09	1.90	1.74
517-37303-3122-0P0-1	37303-3122-0P0 FL 100	C	3	24-26	Yellow	1.0 ~ 1.2	2.29	2.09	1.90	1.74
517-37303-3163-0P0-1	37303-3163-0P0 FL 100	C	3	24-26	Orange	1.2 ~ 1.6	2.29	2.09	1.90	1.74
517-37304-2124-0P0-1	37304-2124-0P0 FL 100	C	4	20-22	Green	1.0 ~ 1.2	2.72	2.49	2.27	2.07
517-37304-2165-0P0-1	37304-2165-0P0 FL 100	C	4	20-22	Blue	1.2 ~ 1.6	2.72	2.49	2.27	2.07
517-37304-2206-0P0-1	37304-2206-0P0 FL 100	C	4	20-22	Gray	1.6 ~ 2.0	2.72	2.49	2.27	2.07
517-37304-3101-0P0-1	37304-3101-0P0 FL 100	C	4	24-26	Red	0.8 ~ 1.0	2.72	2.49	2.27	2.07
517-37304-3122-0P0-1	37304-3122-0P0 FL 100	C	4	24-26	Yellow	1.0 ~ 1.2	2.72	2.49	2.27	2.07
517-37304-3163-0P0-1	37304-3163-0P0 FL 100	C	4	24-26	Orange	1.2 ~ 1.6	2.72	2.49	2.27	2.07

2.00MM BOARDMOUNT MINI-CLAMP SOCKET CONNECTORS - 372 SERIES

Specifications:
- Flammability: UL94V-0
- Color: Black
- Contact Material: Copper Alloy
- Insulation Material: Nylon
- Current Rating: 3.0 A
- Temperature Rating: -20°C to 85°C
- Voltage Rating: 32 V

Features:
- Mates to 371 Series Plugs
- Straight Solder Tails
- Kinked contact pins for board retention.

For quantities of 200 and up, call for quote.

Mouser Stock No.	3M Part No.	Fig.	No. of Positions	Type	No. of Rows	Mating Plug Size	Price Each 1	25	50	100
517-37203-62A3-003	37203-62A3-003 SC	D	3	A	Single Row	3 Pos.	1.37	1.25	1.14	1.04
517-37203-62B3-003	37203-62B3-003 SC	E	3	B	Single Row	3 Pos.	1.37	1.25	1.14	1.04
517-37204-62A3-004	37204-62A3-004 SC 100	D	4	A	Single Row	4 Pos.	1.56	1.43	1.30	1.19
517-37204-62B3-004	37204-62B3-004 SC	E	4	B	Single Row	4 Pos.	1.56	1.43	1.30	1.19
517-37212-62M3-003	37212-62M3-003 SC	F	12	M	4 Rows	3 Pos.	2.72	2.49	2.27	2.07
517-37216-62M3-004	37216-62M3-004 SC	F	16	M	4 Rows	4 Pos.	2.72	2.49	2.27	2.07

.100" 4 POSITION IDC LINK CONNECTORS - 381 AND 382 SERIES

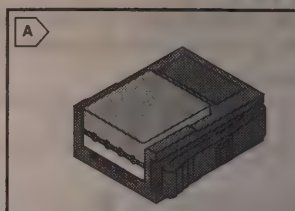
Specifications:
- Unshielded
- Flammability: UL94V-0
- Contact Material: Copper Alloy
- Current Rating: 5.0 A
- Voltage Rating: 160 V
- Temperature Rating: -20°C to 70°C

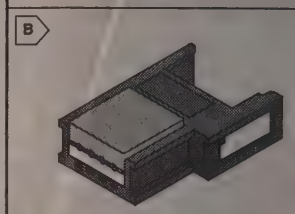
IDC Wiremount, Hermaphroditic Features:
- Per CC Link Association specification
- Can be used for bussing or terminating
- Latching mechanism for both in-line and to PC board
- Insulation Material: Polyester (PBT) body, Nylon cover

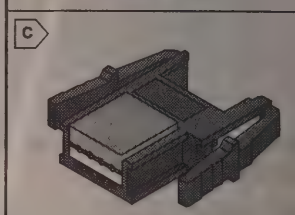
Boardmount Features:
- Mates with 38104 wiremount Link connector
- Board retention for 1.0 and 1.6 mm thick boards
- Insulation Material: Glass filled Polyester (PBT)

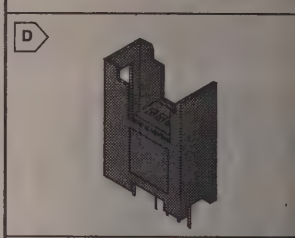
For quantities of 200 and up, call for quote.

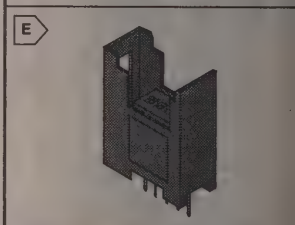
Mouser Stock No.	3M Part No.	Fig.	Description	Color	Marking	Price Each 1	25	50	100
517-38104-0018-000	38104-0018-000 FL	G	IDC for .100" Flat Cable	Black	3M	3.52	3.21	2.92	2.67
517-38104-A018-A0M	38104-A018-A0M FL	G	IDC for Discrete Wire 2.3 mm dia.	Blue	CC-Link/LT	4.68	4.28	3.89	3.56
517-38104-B018-B0M	38104-B018-B0M FL	G	IDC for Discrete Wire 2.0 mm dia.	Blue	CC-Link/LT	4.68	4.28	3.89	3.56
517-38104-M018-M0M	38104-M018-M0M FL	G	IDC for .100" Flat Cable	Blue	CC-Link/LT	4.47	4.09	3.72	3.40
517-38204-52S3-000	38204-52S3-000 SC	H	Boardmount, Right Angle	Black	3M	3.12	2.85	2.60	2.37
517-38204-52S3-M0M	38204-52S3-M0M SC	H	Boardmount, Right Angle	Blue	CC-Link/LT	4.10	3.74	3.41	3.11
517-38204-62S3-000	38204-62S3-000 SC	H	Boardmount, Straight	Black	3M	2.91	2.66	2.42	2.21
517-38204-62S3-M0M	38204-62S3-M0M SC	H	Boardmount, Straight	Blue	CC-Link/LT	3.81	3.48	3.17	2.89
Terminators									
517-38504-473J-2R00	38504-473J-2R00 FL		Link Terminator for Flat Cable			6.14	5.61	5.10	4.66
517-38504-682J-2R0G	38504-682J-2R0G FL		Link Terminator for VCTF Cable			6.14	5.61	5.10	4.66

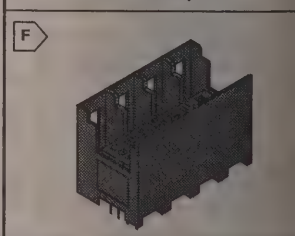


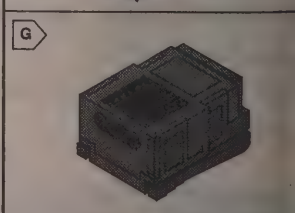


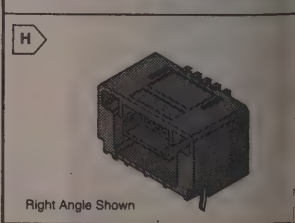












Right Angle Shown

MOUSER ELECTRONICS a tti company (800) 346-6873

0" PAK 50 BOARDMOUNT CONNECTORS

ures:

- ation material: Glass Filled Nylon
- mability: UL 94V-0
- r: Black
- act material: Phosphor Bronze
- : Vertical
- Termination: Solder Tail
- Current rating: 0.5 A
- Temperature rating: -55°C to +85°C
- Plating: 10µ" Gold
- Retention clips included

Series Sockets

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
-P50-020S-R1-TG	P50-020S-R1-TG	A	20	3.41	3.12	2.90	2.63
-P50-026S-R1-TG	P50-026S-R1-TG	A	26	4.07	3.72	3.47	3.14
-P50-030S-R1-TG	P50-030S-R1-TG	A	30	3.37	3.08	2.92	2.75
-P50-040S-R1-TG	P50-040S-R1-TG	A	40	3.62	3.30	3.08	2.78
-P50-050S-R1-TG	P50-050S-R1-TG	A	50	4.54	4.15	3.86	3.48
-P50-080S-R1-TG	P50-080S-R1-TG	A	80	5.20	4.75	4.50	4.25
-P50-100S-R1-TG	P50-100S-R1-TG	A	100	6.12	5.59	5.29	5.00

Series Plugs

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
-P50-020P-R1-TG	P50-020P-R1-TG	B	20	3.65	3.35	3.05	2.78
-P50-026P-R1-TG	P50-026P-R1-TG	B	26	3.12	2.89	2.65	2.40
-P50-030P-R1-TG	P50-030P-R1-TG	B	30	3.83	3.50	3.31	3.13
-P50-040P-R1-TG	P50-040P-R1-TG	B	40	3.62	3.30	3.08	2.78
-P50-050P-R1-TG	P50-050P-R1-TG	B	50	4.16	3.80	3.54	3.20
-P50-080P-R1-TG	P50-080P-R1-TG	B	80	5.28	4.83	4.50	4.07
-P50-100P-R1-TG	P50-100P-R1-TG	B	100	6.15	5.63	5.24	4.74

0" PAK 50 BOARDMOUNT PLUGS

ures:

- s to the P25E and P50E wiremount sockets
- lation material: Glass Filled Nylon
- r: Black
- tact material: Copper Alloy
- : Vertical
- Termination: Solder Tail
- Current rating: 0.5 A
- Temperature rating: -55°C to +85°C
- Plating: 10µ" Gold

E Series

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
-P50E-020P1-S1-TG	P50E-020P1-S1-TG	B	20	3.33	3.04	2.77	2.53
-P50E-026P1-S1-TG	P50E-026P1-S1-TG	B	26	3.58	3.26	2.98	2.72
-P50E-030P1-S1-TG	P50E-030P1-S1-TG	B	30	3.41	3.12	2.90	2.63
-P50E-040P1-S1-TG	P50E-040P1-S1-TG	B	40	4.20	3.84	3.49	3.20
-P50E-050P1-S1-TG	P50E-050P1-S1-TG	B	50	4.69	4.30	4.00	3.62
-P50E-080P1-S1-TG	P50E-080P1-S1-TG	B	80	6.49	5.93	5.53	4.99
-P50E-100P1-S1-TG	P50E-100P1-S1-TG	B	100	7.32	6.69	6.09	5.56

0" PAK 50 WIREMOUNT SOCKETS

ures:

- Accomodation: .025" 30 AWG
- nded PVC Flat Ribbon Cable
- patible with 3M 3754 Series Cable
- igned to mate with P50
- s IDC boardmount connectors
- h/eject mechanism
- ntains a secure connection
- Insulation material: Glass Filled Nylon
- Color: Black
- Contact material: Phosphor Bronze
- Current rating: 0.5 A
- Temperature rating: -55°C to +85°C
- Plating: 10µ" Gold

E Series

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
-P25E-020S-TG	P25E-020S-TG	C	20	10.65	9.73	8.85	8.09
-P25E-030S-TG	P25E-030S-TG	C	30	11.69	10.68	9.95	8.99
-P25E-040S-TG	P25E-040S-TG	C	40	12.61	11.51	10.49	9.58
-P25E-050S-TG	P25E-050S-TG	C	50	14.02	12.80	11.65	10.65
-P25E-068S-TG	P25E-068S-TG	C	68	15.89	14.52	13.52	12.23
-P25E-080S-TG	P25E-080S-TG	C	80	17.01	15.55	14.15	12.92
-P25E-100S-TG	P25E-100S-TG	C	100	18.80	17.18	15.99	14.46

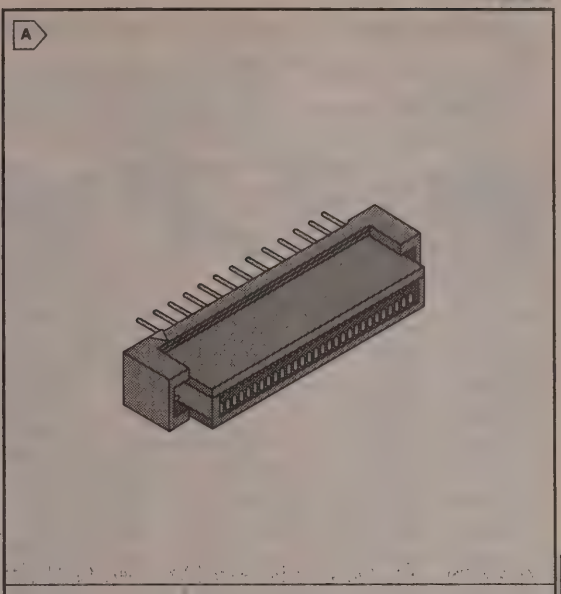
ures:

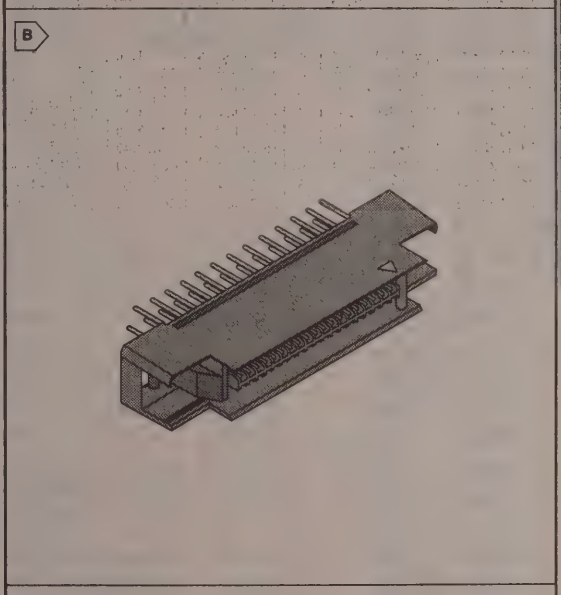
- Accomodation: .050" 28 AWG
- nded PVC Flat Ribbon Cable
- patible with 3M 3365 Series Cable
- h/eject mechanism maintains
- cure connection
- lation material: Glass Filled LCP
- Color: Black
- Contact material: Copper Alloy
- Current rating: 0.5 A
- Temperature rating: -55°C to +85°C
- Plating: 10µ" Gold

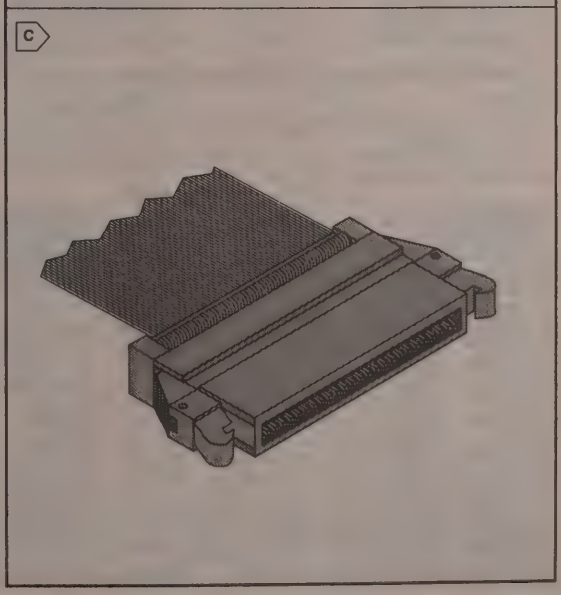
E Series

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
-P50E-020S-TG	P50E-020S-TG	C	20	8.74	7.98	7.26	6.64
-P50E-030S-TG	P50E-030S-TG	C	30	9.99	9.12	8.50	7.68
-P50E-040S-TG	P50E-040S-TG	C	40	11.07	10.11	9.21	8.41
-P50E-050S-TG	P50E-050S-TG	C	50	12.23	11.17	10.17	9.29
-P50E-080S-TG	P50E-080S-TG	C	80	14.81	13.53	12.32	11.25
-P50E-100S	P50E-100S-TG	C	100	17.01	15.55	14.15	12.92







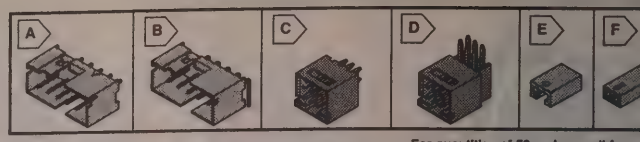
STANDARD PROFILE HEADERS - .100" (2.54MM) CENTERS

Material:

- Housing: UL94V-0, Blk Thermoplastic
- .100" (2.54mm) Centers
- .025" Sq. Straight or Right-Angle Posts
- Shrouded
- Post: Copper Alloy, plated as follows:

***Contact Plating:**

1 = Duplex plated .000030 min. gold on contact area. .0001 ~ .0002 min. tin-lead on solder area, w/ entire post underplated .000050 min. nickel.
2 = Duplex plated .000015 min. gold on contact area. .0001 ~ .0002 min. tin-lead on solder area, w/ entire post underplated .000050 min. nickel.
3 = .000100 ~ .000200 tin-lead over .000050 nickel on entire post.



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	*	Price Each 1	Price Each 25
.025" Sq. Straight Posts, w/ standoffs - Single Row							
571-1034141	103414-1	A	3	10.67	1	1.18	1.06
571-31022024	3-102202-4	A	3	10.67	2	1.07	.96
571-1030801	103080-1	A	3	10.67	3	1.10	.99
571-1034142	103414-2	A	4	13.21	1	1.14	1.02
571-1022021	102202-1	A	4	13.21	2	1.11	1.00
571-1030802	103080-2	A	4	13.21	3	1.26	1.13
571-1034143	103414-3	A	5	15.75	1	1.10	1.00
571-1022022	102202-2	A	5	15.75	2	.96	.86
571-1022023	102202-3	A	6	18.29	2	1.58	1.51
571-1034146	103414-6	A	8	23.37	1	1.86	1.67
571-1022025	102202-5	A	8	23.37	2	1.88	1.69
571-1034148	103414-8	A	10	28.45	1	2.00	1.80
571-1022027	102202-7	A	10	28.45	2	1.92	1.83
571-11034140	1-103414-0	A	12	33.53	1	2.46	2.21
571-11034142	1-103414-2	A	14	38.61	1	2.70	2.43
571-11022021	1-102202-1	A	14	38.61	2	2.40	2.16
571-11022023	1-102202-3	A	16	43.69	2	2.75	2.47
571-11030804	1-103080-4	A	16	43.69	3	2.76	2.48
571-11022027	1-102202-7	A	20	53.85	2	3.14	2.99
.025" Sq. Right-Angle Posts, w/ standoffs - Single Row							
571-31022034	3-102203-4	B	3	10.67	2	1.11	1.00
571-1025232	102523-2	B	3	10.67	3	1.08	.97
571-1033612	103361-2	B	4	13.21	1	1.26	1.13
571-1022031	102203-1	B	4	13.21	2	1.23	1.11
571-1025231	102523-1	B	4	13.21	3	1.16	1.05
571-1022032	102203-2	B	5	15.75	2	1.54	1.47
571-1033614	103361-4	B	6	18.29	1	1.60	1.44
571-1022033	102203-3	B	6	18.29	2	1.58	1.51
571-1033615	103361-5	B	7	20.83	1	1.90	1.71
571-1033616	103361-6	B	8	23.37	1	2.00	1.78
571-1033618	103361-8	B	10	28.45	1	2.28	2.05
571-1025238	102523-8	B	10	28.45	3	1.65	1.48
571-11025230	1-102523-0	B	12	33.53	3	1.78	1.61
571-11033612	1-103361-2	B	14	38.61	1	2.84	2.56
571-11022031	1-102203-1	B	14	38.61	2	2.72	2.45
.025" Sq. Straight Post, w/ Detent Windows, .066" End Dim. - Double Row							
571-1031681	103168-1	C	6	10.46	1	1.30	1.17
571-1026181	102618-1	C	6	10.46	2	.98	.88
571-1031682	103168-2	C	8	13.00	1	1.62	1.46
571-1026182	102618-2	C	8	13.00	2	1.34	1.21
571-3875895	3-87589-5	C	8	13.00	3	1.16	1.05
571-1031683	103168-3	C	10	15.54	1	1.95	1.73
571-1026183	102618-3	C	10	15.54	2	1.58	1.43
571-1031684	103168-4	C	12	18.08	1	1.92	1.72
571-1026184	102618-4	C	12	18.08	2	1.43	1.28
571-1031685	103168-5	C	14	20.62	1	2.52	2.40
571-1031686	103168-6	C	16	23.16	1	2.88	2.60
571-875894	87589-4	C	16	23.16	3	1.84	1.66
571-1031688	103168-8	C	20	28.24	1	3.42	3.25
571-1026188	102618-8	C	20	28.24	2	2.66	2.40

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	*	Price Each 1	Price Each 25
.025" Sq. Straight Post, w/ Detent Windows, .066" End Dim. - Double Row (cont.)							
571-11031680	1-103168-0	C	24	33.32	1	3.86	3.67
571-11026180	1-102618-0	C	24	33.32	2	3.14	2.83
571-875898	87589-8	C	24	33.32	3	2.54	2.29
571-11031681	1-103168-1	C	26	35.86	1	4.48	4.03
571-11026181	1-102618-1	C	26	35.86	2	3.42	3.08
571-11026183	1-102618-3	C	30	40.94	2	3.82	3.44
571-11026185	1-102618-5	C	34	46.02	2	4.24	3.82
571-1875896	1-87589-6	C	40	53.64	3	3.94	3.55
571-21031683	2-103168-3	C	50	66.34	1	8.30	7.47
571-1031681	103168-1	C	6	10.46	1	1.30	1.17
571-1031661	103166-1	D	6	10.46	1	1.28	1.15
571-1026171	102617-1	D	6	10.46	2	1.10	.97
571-1031662	103166-2	D	8	13.00	1	1.74	1.57
571-1026172	102617-2	D	8	13.00	2	1.36	1.23
571-1031663	103166-3	D	10	15.54	1	2.00	1.80
571-875792	87579-2	D	10	15.54	3	1.38	1.32
571-1031664	103166-4	D	12	18.08	1	1.38	1.25
571-1026175	102617-5	D	14	20.62	2	2.06	1.85
571-1026176	102617-6	D	16	23.16	2	2.24	2.13
571-1031667	103166-7	D	18	25.70	1	3.30	2.97
571-1026177	102617-7	D	18	25.70	2	2.64	2.38
571-875796	87579-6	D	18	25.70	3	2.18	1.96
571-875797	87579-7	D	20	28.24	3	2.32	2.09
571-11026170	1-102617-0	D	24	33.32	2	4.20	3.78
.025" Sq. Straight Post, with Detent Windows, .150" End Dimension - Double Row							
571-1031691	103169-1	C	6	14.73	1	1.26	1.14
571-1026191	102619-1	C	6	14.73	2	2.67	2.40
571-1031692	103169-2	C	8	17.27	1	1.62	1.46
571-1026192	102619-2	C	8	17.27	2	1.36	1.23
571-1031693	103169-3	C	10	19.81	1	1.92	1.73
571-1026193	102619-3	C	10	19.81	2	1.58	1.43
571-1031694	103169-4	C	12	22.35	1	2.22	2.00
571-1031695	103169-5	C	14	24.89	1	2.50	2.25
571-1026195	102619-5	C	14	24.89	2	1.25	1.12
571-1031698	103169-8	C	20	32.51	1	2.21	1.98
571-1026198	102619-8	C	20	32.51	2	2.58	2.32
571-11031690	1-103169-0	C	24	37.59	1	6.28	5.65
571-11031693	1-103169-3	C	30	45.21	1	5.08	4.57
571-11026193	1-102619-3	C	30	45.21	2	3.90	3.51
571-11031695	1-103169-5	C	34	50.29	1	5.68	5.11
571-11026195	1-102619-5	C	34	50.29	2	4.24	3.82
571-11031698	1-103169-8	C	40	57.91	1	6.66	5.99
.025" Sq. Right-Angle Post, with Detent Windows, .150" End Dimension - Double Row							
571-1031672	103167-2	D	10	19.81	1	2.00	1.80
571-1031673	103167-3	D	12	22.35	1	1.42	1.28
571-1031675	103167-5	D	16	27.43	1	4.62	4.16

For quantities of 50 and up, call for q

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	*	Price Ea 1	
.025" Sq. Right-Angle Post, with Detent Windows, .150" End Dimension - Double Row							
571-1031677	103167-7	D	20	32.51	1	3.10	2
571-11025700	1-102570-0	D	24	37.59	2	4.40	3
571-11031670	1-103167-0	D	26	40.13	1	4.60	4
571-11025701	1-102570-1	D	26	40.13	2	2.26	2
571-11031674	1-103167-4	D	34	50.29	1	3.78	3
571-11025705	1-102570-5	D	34	50.29	2	4.86	4

AMP-LATCH HEADERS

Low Profile Headers - Shrouded, Double Row

For quantities of 500 and up, call for q

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	*	Price Ea 1	
Vertical, .100" x .100" Centers, w/ .150 End Dimension							
571-1033091	103309-1	A	10	.80	1	.50	
571-1033092	103309-2	A	14	1.00	1	.78	
571-1033093	103309-3	A	16	1.10	1	.86	
571-1033095	103309-5	A	20	1.30	1	.90	
571-1033096	103309-6	A	26	1.60	1	1.06	
571-1033097	103309-7	A	34	2.00	1	1.28	1.
571-1033098	103309-8	A	40	2.30	1	1.88	1.
571-11033090	1-103309-0	A	50	2.80	1	1.50	1.
571-1033081	103308-1	A	10	.80	2	.44	
571-1033082	103308-2	A	14	1.00	2	.58	
571-1033085	103308-5	A	20	1.30	2	.78	
571-1033088	103308-8	A	40	2.30	2	1.38	1.
Right Angle, .100" x .100" Centers, w/ .150 End Dimensio							
571-1033111	103311-1	B	10	.80	1	.62	
571-1033112	103311-2	B	14	1.00	1	2.38	2.
571-1033113	103311-3	B	16	1.10	1	.93	
571-1033115	103311-5	B	20	1.30	1	.95	
571-1033116	103311-6	B	26	1.60	1	1.32	1.
571-1033117	103311-7	B	34	2.00	1	1.75	1.
571-1033118	103311-8	B	40	2.30	1	1.78	1.
571-11033110	1-103311-0	B	50	2.80	1	6.22	5.

SHUNTS

- Packaged: strips of 10, priced individually
- Housing: 94V-0 glass-filled black thermoplastic
- Contacts: phosphor bronze
- .100" centerlines

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Plating	Price Ea 1	
2 Position, Low Profile Shunt					
571-3828115	382811-5	E	Tin	.14	
Dual Beam Shunts					
571-3900881	390088-1	F	30μ" gold	.22	
571-3900852	390088-2	F	15μ" gold	.18	

STANDARD PROFILE HEADERS UNSHROUDED .100" (2.54MM) CENTERS

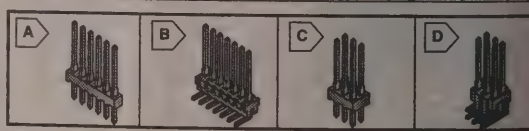
Material:

- Housing: Black Thermoplastic, flame retardant, UL94V-0 rated.
- Single and Double Row
- Posts: Copper Alloy, plating below:

Mating length for single and double row is .318 (8.08).

***Contact Plating:**

1= Selectively plated .00003 (0.00076) gold on contact area, with gold flash over .000050 (0.00127) nickel on entire post.
2= Selectively plated .000015 (0.00038) gold on contact area, with gold flash over .000050 (0.00127) nickel on entire post.



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	*	Price Each 1	Price Each 25
.025" Square Straight Posts - Single Row							
571-872241	87224-1	A	1	2.13	2	.42	.38
571-872202	87220-2	A	2	4.67	1	.87	.79
571-872242	87224-2	A	2	4.67	2	.72	.65
571-872203	87220-3	A	3	7.21	1	.84	.76
571-872243	87224-3	A	3	7.21	2	.67	.61
571-872244	87224-4	A	4	9.75	2	.90	.81
571-872207	87220-7	A	7	17.37	1	1.72	1.55
571-872208	87220-8	A	8	19.91	1	1.90	1.71
571-872248	87224-8	A	8	19.91	2	1.50	1.35
571-1872200	1-87220-0	A	10	24.99	1	2.32	2.09
571-1872240	1-87224-0	A	10	24.99	2	1.98	1.78
571-2872240	2-87224-0	A	20	50.39	2	3.52	3.17
571-4872240	4-87224-0	A	40	101.19	2	6.94	6.25
.025" Square Right-Angle Post - Single Row							
571-872328	87232-8	B	8	19.91	1	2.14	1.93
571-1872330	1-87233-0	B	10	24.99	2	2.30	2.07

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	*	Price Each 1	Price Each 25
.025" Square Straight Post - Double Row							
571-1872150	1-87215-0	C	2	2.13	1	.72	.65
571-872271	87227-1	C	2	2.13	2	.62	.56
571-1872151	1-87215-1	C	4	4.67	1	1.20	1.08
571-872272	87227-2	C	4	4.67	2	1.00	.90
571-1872152	1-87215-2	C	6	7.21	1	1.42	1.28
571-872273	87227-3	C	6	7.21	2	1.20	1.08
571-872151	87215-1	C	8	9.75	1	1.84	1.66
571-872274	87227-4	C	8	9.75	2	1.44	1.30
571-872152	87215-2	C	10	12.29	1	2.22	2.00
571-872275	87227-5	C	10	12.29	2	1.84	1.66
571-872154	87215-4	C	14	17.37	1	3.16	2.86
571-872277	87227-7	C	14	17.37	2	2.99	2.69
571-872155	87215-5	C	16	19.91	1	3.38	3.05
571-872278	87227-8	C	16	19.91	2	2.68	2.41
571-872157	87215-7	C	20	24.99	1	3.06	2.75
571-1872270	1-87227-0	C	20	24.99	2	3.32	3.00

For quantities of 50 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	*	Price Ea 1	
.025" Square Straight Post - Double Row (cont.)							
571-872159	87215-9	C	26	32.61	1	5.42	4.
571-1872273	1-87227-3	C	26	32.61	2	4.22	3.
571-1872157	1-87215-7	C	34	42.77	1	7.00	6.
571-1872277	1-87227-7	C	34	42.77	2	5.50	4.
571-2872155	2-87215-5	C	50	63.09	1	10.30	9.
571-3872150	3-87215-0	C	60	75.79	1	12.32	11.
.025" Square Right-Angle Post - Double Row							
571-872303	87230-3	D	6	7.21	2	1.04	.9
571-872304	87230-4	D	8	9.75	2	1.42	1.
571-872305	87230-5	D	10	12.29	2	1.82	1.
571-872306	87230-6	D	12	14.83	2	2.32	2.
571-872307	87230-7	D	14	17.37	2	2.68	2.
571-864792	86479-2	D	16	19.91	1	3.66	3.
571-872308	87230-8	D	16	19.91	2	2.76	2.
571-1872300	1-87230-0	D	20	24.99	2	3.38	3.
571-1872302	1-87230-2	D	24	30.07	2	4.42	3.

PMODU™ BREAKAWAY HEADERS - SINGLE AND DOUBLE ROW

rial:
sing: 94V-0 black thermoplastic
: phosphor bronze

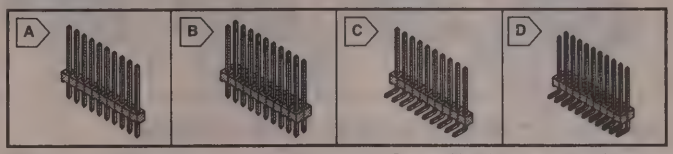
- .100" (2.54mm) Centers
- Unshrouded

Contact Plating:
Plating A = Duplex plated .000030 min. gold on contact area. .0001 - .0002 min. tin-lead on solder area, with entire post underplated .00005 min. nickel.
Plating B = Duplex plated .000015 min. gold on contact area. .0001 - .0002 min. tin-lead on solder area,with entire post underplated .00005 min. nickel.
Plating C = .0001 - .0002 min. tin-lead over .00005 nickel on entire post.

" Square Straight Posts

For quantities of 1000 and up, call for quote.

OUSER OCK NO.	AMP Part No.	Fig.	No. of Pos.	Length Post	Length Tail	Plating	Price Each 1	Price Each 100	Price Each 500
ical - Single Row, .100 Centerline									
-1032392	103239-2	A	2	0.230	0.120	A	.19	.16	.13
-1032393	103239-3	A	3	0.230	0.120	A	.29	.24	.23
-1032394	103239-4	A	4	0.230	0.120	A	.31	.30	.29
-1032395	103239-5	A	5	0.230	0.120	A	.44	.40	.38
-1032396	103239-6	A	6	0.230	0.120	A	.53	.48	.45
-1032398	103239-8	A	8	0.230	0.120	A	.70	.63	.60
-11032390	1-103239-0	A	10	0.230	0.120	A	.87	.79	.75
-21032390	2-103239-0	A	20	0.230	0.120	A	1.75	1.58	1.49
-41032390	4-103239-0	A	40	0.230	0.120	A	1.65	1.32	1.19
-1031852	103185-2	A	2	0.230	0.120	B	.18	.15	.14
-1031853	103185-3	A	3	0.230	0.120	B	.28	.23	.22
-1031854	103185-4	A	4	0.230	0.120	B	.38	.31	.30
-1031855	103185-5	A	5	0.230	0.120	B	.39	.37	.35
-1031856	103185-6	A	6	0.230	0.120	B	.45	.43	.41
-1031857	103185-7	A	7	0.230	0.120	B	.55	.47	.45
-21031850	2-103185-0	A	20	0.230	0.120	B	1.60	1.44	1.36
-41031850	4-103185-0	A	40	0.230	0.120	B	1.51	1.21	1.08
-1033272	103327-2	A	2	0.230	0.120	C	.18	.15	.14
-1033273	103327-3	A	3	0.230	0.120	C	.27	.22	.19
-1033274	103327-4	A	4	0.230	0.120	C	.37	.30	.24
-1033275	103327-5	A	5	0.230	0.120	C	.39	.32	.26
-1033276	103327-6	A	6	0.230	0.120	C	.45	.37	.30
-1033278	103327-8	A	8	0.230	0.120	C	.46	.41	.39
-11033270	1-103327-0	A	10	0.230	0.120	C	.79	.65	.52
-41033270	4-103327-0	A	40	0.230	0.120	C	1.08	.86	.77
-1029762	102976-2	A	2	0.318	0.125	A	.21	.20	.19
-1029763	102976-3	A	3	0.318	0.125	A	.29	.284	.27
-1029764	102976-4	A	4	0.318	0.125	A	.37	.35	.33
-1029765	102976-5	A	5	0.318	0.125	A	.48	.43	.41
-1029766	102976-6	A	6	0.318	0.125	A	.45	.44	.43
-11029760	1-102976-0	A	10	0.318	0.125	A	.79	.65	.52
-21029760	2-102976-0	A	20	0.318	0.125	A	1.90	1.71	1.62
-41029760	4-102976-0	A	40	0.318	0.125	A	1.79	1.44	1.29
-1029722	102972-2	A	2	0.318	0.125	B	.19	.18	.17
-1029725	102972-5	A	5	0.318	0.125	B	.42	.40	.38
-1029726	102972-6	A	6	0.318	0.125	B	.51	.46	.43
-11029720	1-102972-0	A	10	0.318	0.125	B	.84	.76	.72
-21029720	2-102972-0	A	20	0.318	0.125	B	1.67	1.51	1.43
-41029720	4-102972-0	A	40	0.318	0.125	B	1.26	1.14	1.08
-1033212	103321-2	A	2	0.318	0.125	C	.14	.13	.12
-1033213	103321-3	A	3	0.318	0.125	C	.27	.22	.21
-1033214	103321-4	A	4	0.318	0.125	C	.37	.30	.24
-1033216	103321-6	A	6	0.318	0.125	C	.45	.37	.35
-41033210	4-103321-0	A	40	0.318	0.125	C	1.15	.92	.83
ical - Double Row, .100 x .100 Centerline									
-1032402	103240-2	B	4	0.230	0.120	A	.27	.22	.18
-1032403	103240-3	B	6	0.230	0.120	A	.33	.32	.31
-1032404	103240-4	B	8	0.230	0.120	A	.43	.42	.41
-1032405	103240-5	B	10	0.230	0.120	A	.55	.50	.48
-1032406	103240-6	B	12	0.230	0.120	A	.78	.70	.66
-1032407	103240-7	B	14	0.230	0.120	A	.78	.70	.66
-1032408	103240-8	B	16	0.230	0.120	A	.89	.80	.75
-11032400	1-103240-0	B	20	0.230	0.120	A	1.30	1.17	1.10
-21032400	2-103240-0	B	40	0.230	0.120	A	2.58	2.33	2.20
-41032400	4-103240-0	B	80	0.230	0.120	A	2.44	1.95	1.76
-1031862	103186-2	B	4	0.230	0.120	B	.27	.23	.22
-1031863	103186-3	B	6	0.230	0.120	B	.44	.36	.29



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Length Post	Length Tail	Plating	Price Each 1	Price Each 100	Price Each 500
Vertical - Double Row, .100 x .100 Centerline (Cont.)									
571-1031864	103186-4	B	8	0.230	0.120	B	.58	.48	.38
571-1031865	103186-5	B	10	0.230	0.120	B	.72	.60	.48
571-1031866	103186-6	B	12	0.230	0.120	B	.87	.72	.58
571-1031868	103186-8	B	16	0.230	0.120	B	.82	.74	.70
571-11031860	1-103186-0	B	20	0.230	0.120	B	1.03	.93	.88
571-21031860	2-103186-0	B	40	0.230	0.120	B	2.05	1.85	1.75
571-41031860	4-103186-0	B	80	0.230	0.120	B	1.72	1.55	1.46
571-1033282	103328-2	B	4	0.230	0.120	C	.27	.25	.23
571-1033283	103328-3	B	6	0.230	0.120	C	.44	.36	.29
571-1033284	103328-4	B	8	0.230	0.120	C	.56	.46	.37
571-1033285	103328-5	B	10	0.230	0.120	C	.49	.44	.42
571-1033286	103328-6	B	12	0.230	0.120	C	.60	.53	.50
571-1033287	103328-7	B	14	0.230	0.120	C	.69	.62	.59
571-1033288	103328-8	B	16	0.230	0.120	C	.79	.71	.67
571-21033280	2-103328-0	B	40	0.230	0.120	C	1.86	1.67	1.58
571-41033280	4-103328-0	B	80	0.230	0.120	C	1.33	1.20	1.13
571-1029773	102977-3	B	6	0.318	0.125	A	.42	.37	.35
571-1029774	102977-4	B	8	0.318	0.125	A	.56	.50	.47
571-1029775	102977-5	B	10	0.318	0.125	A	.70	.58	.56
571-1029776	102977-6	B	12	0.318	0.125	A	.87	.72	.65
571-1029777	102977-7	B	14	0.318	0.125	A	.96	.86	.82
571-1029778	102977-8	B	16	0.318	0.125	A	1.10	1.00	.93
571-21029770	2-102977-0	B	40	0.318	0.125	A	2.74	2.46	2.33
571-41029770	4-102977-0	B	80	0.318	0.125	A	1.74	1.56	1.48
571-1029733	102973-3	B	6	0.318	0.125	B	.44	.36	.34
571-1029738	102973-8	B	16	0.318	0.125	B	.82	.74	.70
571-21029730	2-102973-0	B	40	0.318	0.125	B	2.44	2.19	2.07
571-41029730	4-102973-0	B	80	0.318	0.125	B	1.84	1.65	1.56
571-1033227	103322-7	B	14	0.318	0.125	C	.70	.62	.59
571-21033220	2-103322-0	B	40	0.318	0.125	C	1.86	1.67	1.58
571-41033220	4-103322-0	B	80	0.318	0.125	C	1.32	1.19	1.12
Right Angle Posts, Single Row, .100" Centers									
571-41031480	4-103148-0	C	40	.230	.120	A	1.22	1.10	1.03
571-41033290	4-103329-0	C	40	.230	.120	C	.75	.67	.64
571-41029780	4-102978-0	C	40	.318	.110	A	1.16	1.03	.97
571-41033230	4-103323-0	C	40	.318	.110	C	.77	.69	.66
Right Angle Posts, Double Row, .100" x .100" Centers									
571-41031490	4-103149-0	D	80	.230	.120	A	1.95	1.75	1.65
571-41033300	4-103330-0	D	80	.230	.120	C	1.70	1.53	1.45
571-41029790	4-102979-0	D	80	.318	.110	A	1.95	1.75	1.65
571-41033240	4-103324-0	D	80	.318	.110	C	1.70	1.53	1.45

CUTTING TOOL KIT

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-314818-1	314818-1	Cutting Tool kit; includes Pistol Grip Ratchet handle, a locator, a cutting head (with blades and a stored set of 2 extra blades), a hex wrench and case.	419.30

P-LATCH NOVO CONNECTORS

ures:
es with .025" square or round pin, .245" max. post length
for fast, economical mass termination
ng fork contact offers a military approved
gn at an economical cost

Specifications:
- Current rating: 1A per contact max.
- Insulation resistance: 5000MΩ min.
- Termination resistance: 15mΩ max.
- Operating temperature range: -65°C to +105°C

ter / Military Polarized Receptacles

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Position	Price Each 1	Price Each 10	Price Each 100
71-7462851	A	10	.65	.58	.56
71-7462852	A	14	.95	.85	.82
71-7462853	A	16	1.00	.90	.86
71-7462854	A	20	1.02	.92	.87
71-7462855	A	24	1.29	1.16	1.10
71-7462856	A	26	1.31	1.18	1.12
71-7462857	A	30	1.47	1.32	1.25
71-7462858	A	34	1.47	1.32	1.25
71-7462859	A	40	1.62	1.46	1.38
71-17462851	A	60	2.53	2.28	2.15

n be used in applications requiring center polarization.

Military Polarized Receptacles

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Position	Price Each 1	Price Each 10	Price Each 100
571-4999971	B	10	.66	.59	.56
571-499997-2	B	14	.96	.86	.82
571-4999973	B	16	1.01	.91	.86
571-4999974	B	20	1.34	.85	.76
571-4999975	B	24	1.52	1.32	1.19
571-4999976	B	26	1.29	1.16	1.10
571-4999977	B	30	1.69	1.52	1.44
** 571-4999978	B	34	1.50	1.32	1.25
** 571-4999979	B	40	1.62	1.46	1.38
**571-14999970	B	50	1.98	1.78	1.68

** Can be used in applications requiring non-polarization as well as military polarization.

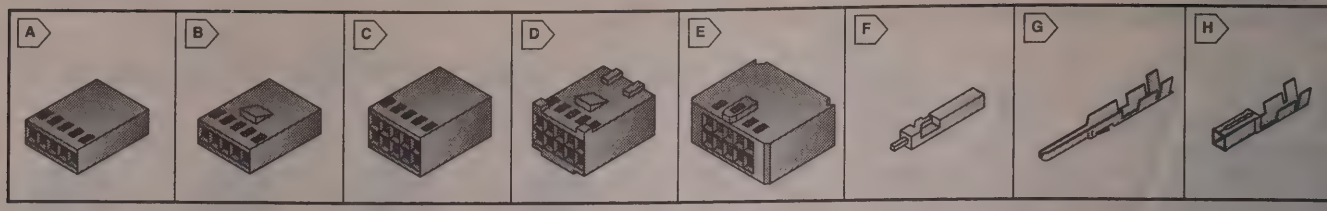
Strain Reliefs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Position	Price Each 1	Price Each 10	Price Each 100
571-4992525	C	10	.16	.15	.14
571-4992529	C	14	.16	.15	.14
571-4992528	C	16	.16	.15	.14
571-499252-2	C	20	.16	.15	.14
571-14992520	C	24	.24	.22	.21
571-499252-3	C	26	.18	.17	.16
571-14992522	C	30	.18	.17	.16
571-4992526	C	34	.18	.17	.16
571-4992521	C	40	.19	.18	.17
571-4992524	C	50	.21	.20	.19
571-4992527	C	60	.22	.21	.20

AMP AMPMODU™ Connectors

tyco Electronics



AMPMODU™ MOD.IV WIRE-APPLIED HOUSINGS

Material: • Housing: 94V-0 black thermoplastic, flame retardant • Stamped • .100" Centerline

Non-Polarized, Single Row Housings

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Width	Price Each 1	10	25	50	100
* 571-7874992	7-87499-2	A	1	.105	.23	.22	.21	.20	.19
571-874993	87499-3	A	2	.205	.68	.59	.56	.53	.49
571-874995	87499-5	A	3	.305	.59	.52	.49	.42	.39
571-874997	87499-7	A	4	.405	.52	.45	.40	.35	.34
571-874999	87499-9	A	5	.505	.35	.30	.29	.28	.27
571-1874991	1-87499-1	A	6	.605	.52	.41	.37	.35	.33
571-874991	87499-1	A	7	.705	.57	.51	.49	.46	.43
571-1874993	1-87499-3	A	8	.805	.60	.55	.52	.48	.46
571-1874995	1-87499-5	A	9	.905	.60	.54	.51	.48	.45
571-1874997	1-87499-7	A	10	1.005	.66	.59	.56	.53	.49

*Unstamped

Polarized, Single Row Housings with Detent Latching

• Unstamped (No marking on housing) • .100" Centerline

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Width	Price Each 1	10	25	50	100
571-1022411	102241-1	B	3	.300	.28	.26	.24	.22	.21
571-1022412	102241-2	B	4	.400	.28	.26	.24	.22	.21
571-1022413	102241-3	B	5	.500	.29	.26	.25	.24	.23
571-1022414	102241-4	B	6	.600	.31	.28	.27	.25	.24
571-1022415	102241-5	B	7	.700	.42	.35	.30	.28	.27
571-1022416	102241-6	B	8	.800	.37	.33	.32	.30	.28
571-1022417	102241-7	B	9	.900	.42	.36	.34	.32	.30
571-1022418	102241-8	B	10	1.000	.46	.41	.39	.37	.34

Non-Polarized, Double Row Housings

• Stamped • .100" x .100" Centerline

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Width	Price Each 1	10	25	50	100
571-874562	87456-2	C	6	.305	.85	.77	.73	.69	.65
571-874564	87456-4	C	8	.405	.88	.80	.75	.71	.66
571-874566	87456-6	C	10	.505	.92	.82	.78	.74	.69
571-874568	87456-8	C	12	.605	.97	.87	.82	.78	.73
571-1874560	1-87456-0	C	14	.705	1.00	.90	.85	.80	.75
571-1874562	1-87456-2	C	16	.805	1.06	.95	.90	.84	.79

Polarized, Double Row Housings with Detent Latching

• Stamped • Without strain relief • .100" x .100" Centerline

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Width	Price Each 1	10	25	50	100
571-876312	87631-2	D	6	.300	.83	.74	.70	.66	.62
571-876314	87631-4	D	8	.400	.88	.80	.75	.71	.67
571-876316	87631-6	D	10	.500	.94	.85	.80	.75	.71
571-876318	87631-8	D	12	.600	1.03	.93	.88	.83	.78
571-1876310	1-87631-0	D	14	.700	1.08	.98	.92	.87	.82
571-1876316	1-87631-6	D	20	1.000	1.40	1.26	1.19	1.12	1.05
571-2876312	2-87631-2	D	26	1.300	1.63	1.46	1.38	1.30	1.22

Center Polarized, Double Row Housings

• Stamped • .100" x .100" Centerline

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Width	Price Each 1	10	25	50	100
571-1023871	102387-1	E	10	.680	.97	.87	.82	.78	.73
571-1023872	102387-2	E	14	.880	1.03	.92	.87	.82	.77
571-1023873	102387-3	E	16	.980	1.20	1.08	1.02	.96	.90
571-1023874	102387-4	E	20	1.180	1.37	1.23	1.16	1.10	1.03
571-1023875	102387-5	E	24	1.380	1.48	1.34	1.26	1.19	1.11
571-1023876	102387-6	E	26	1.480	1.51	1.36	1.29	1.21	1.13
571-1023878	102387-8	E	34	1.880	1.91	1.72	1.62	1.53	1.43
571-1023879	102387-9	E	40	2.180	2.12	1.90	1.80	1.69	1.58
571-11023870	1-102387-0	E	50	2.680	2.47	2.23	2.11	1.98	1.86

KEYING PLUGS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	10	25	50
571-870772	87077-2	F	Plugs directly into housing	.14	.13	.12	.11
571-862861	86286-1	- -	Plugs into standard or intermediate pressure receptacle contact	.16	.15	.14	.13

AMPMODU™ MOD.IV PIN AND RECEPTACLE CONTACTS

Contact Plating:

1 = Duplex plated .00003 min. gold on contact area. .0001 ~ .0002 min. tin-lead on solder area, with entire post underplated .00005 min. nickel.
2 = Duplex plated .000015 min. gold on contact area. .0001 ~ .0002 min. tin-lead on solder area, with entire post underplated .00005 min. nickel.
3 = Selectively plated .000030 gold on contact area, with gold flash over .000050 nickel on entire contact.
4 = Selectively plated .000015 gold on contact area, with gold flash over .000050 nickel on entire contact.
5 = .000100~.000200 bright tin-lead over .000050 nickel on entire contact

Crimp Snap-In Pins with Insulation Support

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Material	Plating	Wire AWG	Terminal Length (In.)	Price Each 1	100	500	10
571-1021072	102107-2	G	Ph Bz	3	26-22	.815	.30	.27	.26	.2
571-1021071	102107-1	G	Ph Bz	4	26-22	.815	.26	.24	.23	.2
571-1021073	102107-3	G	Ph Bz	5	26-22	.815	.16	.15	.14	.1

Standard Pressure Receptacle Contacts

• Mating force: 9 oz. max. • Unmating force: 1.5oz. min.

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Material	Plating	Wire AWG	Terminal Length (In.)	Price Each 1	100	500	10
571-876673	87667-3	H	Be Cu	5	26-22	.445	.21	.20	.19	.1
571-876672	87667-2	H	Be Cu	3	26-22	.445	.27	.26	.25	.2
571-860163	86016-3	H	Be Cu	5	24-20	.470	.21	.20	.19	.1
571-860162	86016-2	H	Be Cu	3	24-20	.470	.27	.26	.25	.2
571-11023164	1-102316-4	H	Cu Sn Ph Bz	1	32-27	.445	.21	.20	.19	.1
571-11023163	1-102316-3	H	Cu Sn Ph Bz	2	32-27	.445	.21	.20	.19	.1
571-1029172	102917-2	H	Be Cu	3	32-27	.445	.27	.26	.25	.2
571-1877568	1-87756-8	H	Cu Sn Ph Bz	1	26-22	.445	.21	.20	.19	.1
571-1877566	1-87756-6	H	Cu Sn Ph Bz	2	26-22	.445	.21	.20	.19	.1
571-877567	87756-7	H	Cu Sn Ph Bz	5	26-22	.445	.16	.15	.14	.1
571-876665	87666-5	H	Be Cu	4	26-22	.445	.25	.24	.23	.2
571-1875239	1-87523-9	H	Cu Sn Ph Bz	1	24-20	.470	.21	.20	.19	.1
571-1875236	1-87523-6	H	Cu Sn Ph Bz	2	24-20	.470	.21	.20	.19	.1
571-860165	86016-5	H	Be Cu	4	24-20	.470	.28	.25	.24	.2
571-875236	87523-6	H	Cu Sn Ph Bz	5	24-20	.470	.16	.15	.14	.1

AMPMODU™ MOD IV.V INTERMEDIATE PRESSURE RECEPTACLE CONTACTS

• Mating force: 16 oz. max. • Unmating force: 2 oz. min.

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Material	Plating	Wire AWG	Terminal Length (In.)	Price Each 1	100	500	10
571-870464	87046-4	H	Be Cu	5	24-20	.470	.24	.23	.22	.2
571-870463	87046-3	H	Be Cu	1	24-20	.470	.32	.29	.27	.2
571-1029202	102920-2	H	Cu Sn Ph Bz	1	32-27	.445	.22	.21	.20	.1
571-1029182	102918-2	H	Be Cu	3	32-27	.445	.48	.43	.41	.4
571-1031715	103171-5	H	Cu Sn Ph Bz	1	26-22	.445	.21	.20	.19	.1
571-1025486	102548-6	H	Be Cu	3	26-22	.445	.31	.28	.27	.2
571-1025483	102548-3	H	Be Cu	4	26-22	.445	.25	.24	.23	.2
571-2871951	2-87195-1	H	Cu Sn Ph Bz	1	24-20	.445	.19	.16	.14	.1
571-1871958	1-87195-8	H	Cu Sn Ph Bz	2	24-20	.470	.21	.20	.19	.1
571-870461	87046-1	H	Be Cu	4	24-20	.470	.29	.26	.25	.2

AMPMODU™ MOD V HIGH PRESSURE RECEPTACLE CONTACTS

• Mating force: 20 oz. max. • Unmating force: 3 oz. min.

For quantities of 2000 and up, call for quo

MOUSER STOCK NO.	AMP Part No.	Fig.	Material	Plating	Wire AWG	Terminal Length (In.)	Price Each 1	100	500	10
571-1021282	102128-2	H	Ph Bz	5	26-22	.445	.19	.18	.17	.1
571-1021281	102128-1	H	Ph Bz	3	26-22	.445	.25	.24	.23	.2
571-1873093	1-87309-3	H	Ph Bz	5	24-20	.470	.18	.17	.16	.1
571-1873094	1-87309-4	H	Ph Bz	3	24-20	.470	.24	.23	.22	.2
571-1034552	103455-2	H	Ph Bz	4	32-27	.445	.45	.39	.29	.2

TOOLS

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-586411	58641-1	Commercial crimp tool 26-22 AWG	222.40
571-843996-3	843996-3	Extraction tool	15.70

MOUSER ELECTRONICS a tti company

PMODU MTE LATCHING HEADERS RIGHT ANGLE POST - SHROUDED
" 2.54mm centers)

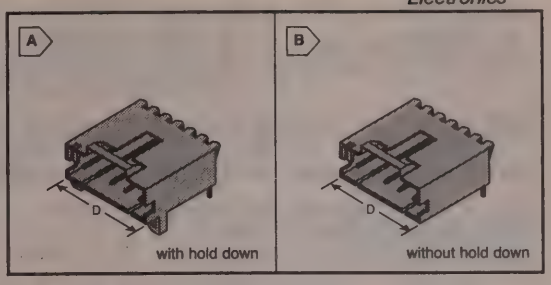
ial and Finish:

ing: Black thermoplastic, UL94V-0 rated
(0.64) Square Right-Angle Post
s: Copper alloy, plated as follows:

g Code:

lex plated .000030 (0.00076) gold on contact area. .000100 (0.00254) min.
ead on solder area, with entire post underplated .000050 (0.00127) nickel.
lex plated .000015 (0.00038) gold on contact area. .000100 (0.00254) min.
ead on solder area, with entire post underplated .000050 (0.00127) nickel.
0100 (0.00254) tin-lead over .000050 (0.00127) nickel on entire post

with Polarized/Latching Receptacle Assemblies.



hing, Single Row, .025 (0.64) Square Right-Angle Post

Hold Down

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Plating	Dimension (In.) mm	Price Each 1	25	50	100
571-1039041	103904-1	A	2	A	.300 (7.62)	.35	.31	.30	.29
571-1036731	103673-1	A	2	B	.300 (7.62)	.34	.30	.29	.28
571-1036721	103672-1	A	2	C	.300 (7.62)	.26	.25	.24	.23
571-1039042	103904-2	A	3	A	.400 (10.16)	1.04	.93	.88	.83
571-1036732	103673-2	A	3	B	.400 (10.16)	.34	.30	.29	.28
571-1036722	103672-2	A	3	C	.400 (10.16)	.32	.29	.27	.26
571-1039043	103904-3	A	4	A	.500 (12.70)	.41	.37	.35	.33
571-1036733	103673-3	A	4	B	.500 (12.70)	.38	.34	.32	.31
571-1036723	103672-3	A	4	C	.500 (12.70)	.35	.32	.30	.29
571-1039044	103904-4	A	5	A	.600 (15.24)	.50	.45	.42	.40
571-1036734	103673-4	A	5	B	.600 (15.24)	.45	.41	.38	.36
571-1036724	103672-4	A	5	C	.600 (15.24)	1.04	.94	.89	.84
571-1039045	103904-5	A	6	A	.700 (17.78)	1.29	1.16	1.10	1.03
571-1036735	103673-5	A	6	B	.700 (17.78)	.45	.41	.38	.36
571-1036725	103672-5	A	6	C	.700 (17.78)	1.05	.95	.90	.84
571-1039046	103904-6	A	7	A	.800 (20.32)	1.38	1.24	1.17	1.10
571-1036736	103673-6	A	7	B	.800 (20.32)	.51	.46	.43	.41
571-1036726	103672-6	A	7	C	.800 (20.32)	1.16	1.05	.99	.93
571-1039047	103904-7	A	8	A	.900 (22.86)	1.46	1.32	1.24	1.17
571-1036737	103673-7	A	8	B	.900 (22.86)	.52	.47	.44	.42
571-1036727	103672-7	A	8	C	.900 (22.86)	1.22	1.10	1.04	.97
571-1039049	103904-9	A	10	A	1.10 (27.94)	3.32	2.99	2.82	2.66
571-1036739	103673-9	A	10	B	1.10 (27.94)	.60	.54	.51	.48
571-1036729	103672-9	A	10	C	1.10 (27.94)	.54	.48	.45	.43
571-11039041	1-103904-1	A	12	A	1.30 (33.02)	.80	.72	.68	.64
571-11036731	1-103673-1	A	12	B	1.30 (33.02)	.70	.63	.59	.56
571-11036721	1-103672-1	A	12	C	1.30 (33.02)	2.88	2.59	2.44	2.30

hing, Single Row, .025 (0.64) Square Right-Angle Post

out Hold Down

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Plating	Dimension (In.) mm	Price Each 1	25	50	100
571-1039061	103906-1	B	2	A	.300 (7.62)	.32	.29	.28	.27
571-1036351	103635-1	B	2	B	.300 (7.62)	.28	.27	.26	.25
571-1036341	103634-1	B	2	C	.300 (7.62)	.29	.28	.27	.26
571-1039062	103906-2	B	3	A	.400 (10.16)	.40	.36	.34	.32
571-1036352	103635-2	B	3	B	.400 (10.16)	.31	.28	.27	.26
571-1036342	103634-2	B	3	C	.400 (10.16)	.31	.28	.27	.26
571-1039063	103906-3	B	4	A	.500 (12.70)	.41	.37	.35	.33
571-1036353	103635-3	B	4	B	.500 (12.70)	.35	.31	.30	.29
571-1036343	103634-3	B	4	C	.500 (12.70)	.37	.34	.32	.31
571-1039064	103906-4	B	5	A	.600 (15.24)	.50	.45	.42	.40
571-1036354	103635-4	B	5	B	.600 (15.24)	.38	.34	.32	.31
571-1036344	103634-4	B	5	C	.600 (15.24)	.37	.33	.32	.31
571-1039065	103906-5	B	6	A	.700 (17.78)	1.08	.97	.92	.86
571-1036355	103635-5	B	6	B	.700 (17.78)	.42	.37	.35	.33
571-1036345	103634-5	B	6	C	.700 (17.78)	.46	.41	.39	.36
571-1039068	103906-6	B	7	A	.800 (20.32)	1.23	1.11	1.05	.99
571-1036356	103635-6	B	7	B	.800 (20.32)	.49	.44	.41	.39
571-1036346	103634-6	B	7	C	.800 (20.32)	.93	.84	.79	.77
571-1039067	103906-7	B	8	A	.900 (22.86)	.59	.53	.50	.47
571-1036357	103635-7	B	8	B	.900 (22.86)	.48	.43	.41	.38
571-1036347	103634-7	B	8	C	.900 (22.86)	.45	.41	.38	.36
571-1039069	103906-9	B	10	A	1.10 (27.94)	.72	.65	.61	.58
571-1036359	103635-9	B	10	B	1.10 (27.94)	.60	.54	.51	.48
571-1036349	103634-9	B	10	C	1.10 (27.94)	.51	.46	.43	.41
571-11039061	1-103906-1	B	12	A	1.30 (33.02)	.92	.83	.78	.74
571-1-103635-1	1-103635-1	B	12	B	1.30 (33.02)	.70	.63	.59	.56
571-11036341	1-103634-1	B	12	C	1.30 (33.02)	2.82	2.54	2.40	2.26

n-Temp, with Swage

571-1043611	104361-1	A	2	B	.300 (7.62)	.41	.37	.35	.33
571-1043612	104361-2	A	3	B	.400 (10.16)	1.47	1.32	1.25	1.18
571-1043613	104361-3	A	4	B	.500 (12.70)	.42	.38	.35	.33
571-1043614	104361-4	A	5	B	.600 (15.24)	.46	.41	.39	.36
571-1043615	104361-5	A	6	B	.700 (17.78)	.50	.45	.42	.40
571-1043616	104361-6	A	7	B	.800 (20.32)	.56	.51	.48	.45
571-1043617	104361-7	A	8	B	.900 (22.86)	.57	.52	.49	.46
571-1043618	104361-8	A	9	B	1.00 (25.40)	.61	.55	.52	.49
571-1043619	104361-9	A	10	B	1.10 (27.94)	3.18	2.87	2.71	2.55
571-11043611	1-104361-1	A	12	B	1.30 (33.02)	.77	.69	.65	.62

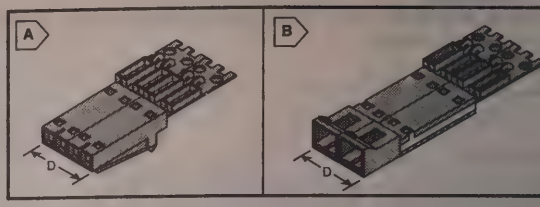
AMPMODU™ MTE Interconnection System

Material and Finish:

- .100" 2.54mm centerlines
- Housing: Black thermoplastic, UL94V-0 rated
- Contacts: Phosphor Bronze, plated as follows:

Plating Code:

A: Duplex plated .000030 (0.00076) gold on contact area, .000050 (0.00127) min. tin-lead in crimp area, with entire contact underplated .000050 (0.00127) nickel.
B: Duplex plated .000015 (0.00038) gold on contact area, .000050 (0.00127) min. tin-lead in crimp area, with entire contact underplated .000050 (0.00127) nickel.
C: .000100 (0.00254) bright tin-lead over .000050 (0.00127) nickel on entire contact.



Insulation displacement contacts accept an insulation diameter of .030 (0.76) min. to .054 (1.37) max. with an insulation wall thickness of .015 (0.38) max. Mating post length for preloaded housings is .200 (5.08) min., .250 (6.35) max.

MTE Receptacle Assemblies - Strip Form, Polarized/Latching, Single-Row, 26-22 AWG Wire

- Mates with Polarized/Latching Headers as well as Polarized/Latching Pin Assemblies.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Housing Qty. Per Strip Segment	Plating	Dimension (In.) mm	Price Each 1	25	50	100
571-1039581	103958-1	A	2	10	A	.198 (5.03)	.41	.36	.30	.26
571-1039571	103957-1	A	2	10	B	.198 (5.03)	.37	.34	.29	.27
571-1039561	103956-1	A	2	10	C	.198 (5.03)	.34	.31	.27	.23
571-1042571	104257-1	A	2	10	Unloaded Housings	.198 (5.03)	.17	.16	.15	.14
571-1039582	103958-2	A	3	8	A	.298 (7.57)	.39	.35	.33	.32
571-1039572	103957-2	A	3	8	B	.298 (7.57)	.32	.29	.28	.27
571-1039562	103956-2	A	3	8	C	.298 (7.57)	.32	.29	.28	.27
571-1042572	104257-2	A	3	8	Unloaded Housings	.298 (7.57)	.21	.20	.19	.18
571-1039583	103958-3	A	4	5	A	.398 (10.11)	.47	.43	.40	.38
571-1039573	103957-3	A	4	5	B	.398 (10.11)	.41	.37	.35	.33
571-1039563	103956-3	A	4	5	C	.398 (10.11)	.38	.34	.32	.31
571-1042573	104257-3	A	4	5	Unloaded Housings	.398 (10.11)	.23	.22	.21	.20
571-1039584	103958-4	A	5	4	A	.498 (12.65)	.60	.54	.51	.48
571-1039574	103957-4	A	5	4	B	.498 (12.65)	.50	.45	.43	.40
571-1039564	103956-4	A	5	4	C	.498 (12.65)	.46	.41	.39	.37
571-1042574	104257-4	A	5	4	Unloaded Housings	.498 (12.65)	.24	.23	.22	.21
571-1039585	103958-5	A	6	4	A	.598 (15.19)	.69	.62	.59	.55
571-1039575	103957-5	A	6	4	B	.598 (15.19)	.60	.54	.51	.48
571-1039565	103956-5	A	6	4	C	.598 (15.19)	1.35	1.22	1.15	1.08
571-1042575	104257-5	A	6	4	Unloaded Housings	.598 (15.19)	.25	.24	.23	.22
571-1039586	103958-6	A	7	2	A	.698 (17.73)	.80	.72	.68	.64
571-1039576	103957-6	A	7	2	B	.698 (17.73)	.69	.62	.58	.55
571-1039566	103956-6	A	7	2	C	.698 (17.73)	.63	.56	.53	.50
571-1042576	104257-6	A	7	2	Unloaded Housings	.698 (17.73)	.28	.27	.26	.25
571-1039587	103958-7	A	8	2	A	.798 (20.27)	.89	.80	.76	.71
571-1039577	103957-7	A	8	2	B	.798 (20.27)	.76	.69	.65	.61
571-1039567	103956-7	A	8	2	C	.798 (20.27)	.69	.62	.59	.55
571-1042577	104257-7	A	8	2	Unloaded Housings	.798 (20.27)	.28	.26	.25	.24
571-1039588	103958-8	A	9	2	A	.898 (22.81)	.96	.87	.82	.77
571-1039578	103957-8	A	9	2	B	.898 (22.81)	3.78	3.41	3.22	3.03
571-1039568	103956-8	A	9	2	C	.898 (22.81)	.74	.67	.63	.59
571-1042578	104257-8	A	9	2	Unloaded Housings	.898 (22.81)	.33	.30	.28	.27
571-1039589	103958-9	A	10	2	A	.998 (23.35)	1.05	.94	.89	.84
571-1039579	103957-9	A	10	2	B	.998 (23.35)	.89	.80	.76	.71
571-1039569	103956-9	A	10	2	C	.998 (23.35)	.80	.72	.68	.64
571-1042579	104257-9	A	10	2	Unloaded Housings	.998 (23.35)	.34	.31	.30	.29

MTE Pin Assemblies, Shrouded, Strip Form, Polarized/Latching, Single-Row, 26-22 AWG Wire

- Mates with polarized/latching receptacle assemblies

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Housing Qty. Per Strip Segment	Plating	Dimension (In.) mm	Price Each 1	25	50	100
571-1039461	103946-1	B	2	8	A	.295 (7.49)	.52	.47	.45	.42
571-1039451	103945-1	B	2	8	B	.295 (7.49)	.51	.46	.44	.41
571-1039441	103944-1	B	2	8	C	.295 (7.49)	.49	.45	.42	.40
571-1036531	103653-1	B	2	8	Unloaded Housings	.295 (7.49)	.29	.28	.27	.26
571-1039462	103946-2	B	3	5	A	.395 (10.03)	1.44	1.30	1.22	1.15
571-1039452	103945-2	B	3	5	B	.395 (10.03)	.54	.49	.46	.43
571-1039442	103944-2	B	3	5	C	.395 (10.03)	.52	.46	.44	.41
571-1036532	103653-2	B	3	5	Unloaded Housings	.395 (10.03)	.34	.33	.32	.31
571-1039463	103946-3	B	4	4	A	.495 (12.57)	3.01	2.71	2.56	2.40
571-1039453	103945-3	B	4	4	B	.495 (12.57)	.62	.55	.52	.49
571-1039443	103944-3	B	4	4	C	.495 (12.57)	.58	.52	.49	.46
571-1036533	103653-3	B	4	4	Unloaded Housings	.495 (12.57)	.37	.34	.32	.30
571-1039464	103946-4	B	5	4	A	.595 (15.11)	.68	.61	.58	.55
571-1039454	103945-4	B	5	4	B	.595 (15.11)	.64	.57	.54	.51
571-1039444	103944-4	B	5	4	C	.595 (15.11)	2.74	2.47	2.33	2.19
571-103653-4	103653-4	B	5	4	Unloaded Housings	.595 (15.11)	.57	.49	.41	.33
571-1039465	103946-5	B	6	2	A	.695 (17.65)	3.46	3.11	2.94	2.77
571-103945-5	103945-5	B	6	2	B	.695 (17.65)	.70	.63	.59	.56
571-1039445	103944-5	B	6	2	C	.695 (17.65)	.64	.58	.55	.52
571-1036535	103653-5	B	6	2	Unloaded Housings	.695 (17.65)	.36	.35	.34	.33
571-1039466	103946-6	B	7	3	A	.795 (20.19)	.97	.87	.82	.77
571-1039456	103945-6	B	7	3	B	.795 (20.19)	3.59	3.23	3.05	2.87
571-1039446	103944-6	B	7	3	C	.795 (20.19)	3.13	2.82	2.66	2.50
571-1036536	103653-6	B	7	3	Unloaded Housings	.795 (20.19)	2.68	2.41	2.28	2.14
571-1039467	103946-7	B	8	2	A	.895 (22.73)	1.42	1.28	1.21	1.13
571-1039457	103945-7	B	8	2	B	.895 (22.73)	1.37	1.23	1.16	1.10
571-1039447	103944-7	B	8	2	C	.895 (22.73)	1.19	1.07	1.01	.95
571-1036537	103653-7	B	8	2	Unloaded Housings	.895 (22.73)	.68	.61	.58	.55
571-1039468	103946-8	B	9	2	A	.995 (25.27)	.91	.82	.77	.73
571-1039458	103945-8	B	9	2	B	.995 (25.27)	1.01	.90	.85	.80
571-1039448	103944-8	B	9	2	C	.995 (25.27)	.91	.82	.77	.73
571-1036538	103653-8	B	9	2	Unloaded Housings	.995 (25.27)	1.41	1.27	1.20	1.13
571-1039469	103946-9	B	10	2	A	1.095 (27.81)	1.13	1.02	.96	.91
571-1039459	103945-9	B	10	2	B	1.095 (27.81)	4.35	3.92	3.70	3.48
571-1039449	103944-9	B	10	2	C	1.095 (27.81)	1.10	.99	.93	.88
571-1036539	103653-9	B	10	2	Unloaded Housings	1.095 (27.81)	1.34	1.20	1.14	1.07

Tools

MOUSER STOCK NO.	AMP Part No.	Description	Price Each 1	5
571-843477-1	843477-1	Extraction Tool	14.05	12.80
571-58074-1	58074-1	Manual handle with out head	55.50	48.10
571-58336-1	58336-1	Head, IDC	747.00	708.50

ERCHANGEABLE CONTACTS, WIRE CRIMP (SNAP-IN)

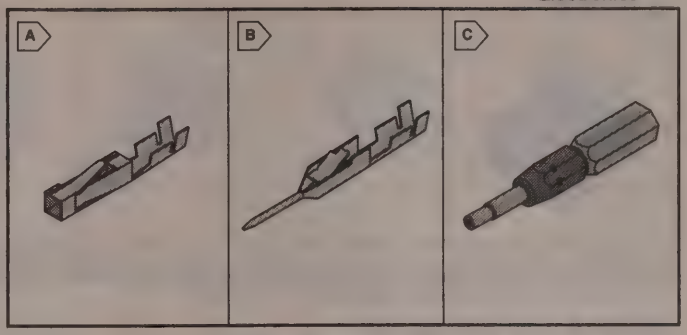
used with MTE Unloaded Housings.

g Code:
lex plated .000030 (0.00076) gold on contact area. .000100 (0.00254) min.
ead on solder area, with entire post underplated .000050 (0.00127) nickel.
lex plated .000015 (0.00038) gold on contact area. .000100 (0.00254) min.
ead on solder area, with entire post underplated .000050 (0.00127) nickel.
0100 (0.00254) tin-lead over .000050 (0.00127) nickel on entire post

t Point Receptacles

MOUSER TOCK NO.	AMP Part No.	Fig.	Plating	Wire Size AWG	Insulation Diameter Range (In.)	Price Each 1	10	100	500
1-1044818	104481-8	A	A	32-28	.025-.060	.14	.13	.12	.11
1-1044817	104481-7	A	B	32-28	.025-.060	.13	.12	.11	.10
1-1044816	104481-6	A	C	32-28	.025-.060	.12	.11	.10	.09
1-1044809	104480-9	A	A	26-22	.025-.060	.14	.13	.12	.11
1-1044808	104480-8	A	B	26-22	.025-.060	.13	.12	.11	.10
1-1044807	104480-7	A	C	26-22	.025-.060	.12	.11	.10	.09

MOUSER TOCK NO.	AMP Part No.	Fig.	Plating	Wire Size AWG	Insulation Diameter Range (In.)	Price Each 1	10	100	500
1-1045067	104506-7	B	A	32-28	.025-.054	.24	.23	.22	.21
1-1045065	104506-5	B	B	32-28	.025-.054	.23	.22	.21	.20
1-1045057	104505-7	B	A	26-22	.036-.054	.24	.23	.22	.21
1-1045055	104505-5	B	B	26-22	.036-.054	.23	.22	.21	.20
1-1045053	104505-3	B	C	26-22	.036-.054	.16	.15	.14	.13



TOOLS FOR MTE CONNECTORS

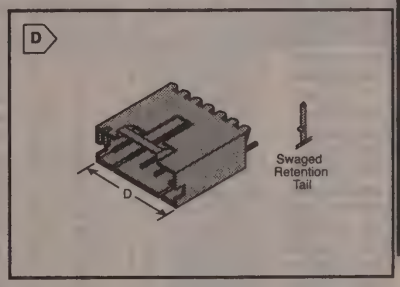
MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Wire Size AWG	Price Each 1	5
571-583422	58342-2	- -	Hand tool for pins	32-28	616.46	575.36
571-915311	91531-1	- -	Hand tool for pins	26-22	496.40	436.80
571-914171	91417-1	C	Keying tool	-----	706.58	656.11
571-8434771	843477-1	- -	Extraction tool	-----	14.05	12.80
571-91518-1	91518-1	- -	Hand Tool for Short Point Receptacles	-----	504.00	504.00

PMODU MTE LATCHING HEADERS SQUARE STRAIGHT POST - SHROUDED

rial and Finish:
" 2.54mm Centers
sing: Black thermoplastic, UL94V-0 rated
(0.64) Square Straight Post
s: Copper alloy, plated as follows:

g Code:
lex plated .000030 (0.00076) gold on contact area. .000100 (0.00254) min.
ead on solder area, with entire post underplated .000050 (0.00127) nickel.
lex plated .000015 (0.00038) gold on contact area. .000100 (0.00254) min.
ead on solder area, with entire post underplated .000050 (0.00127) nickel.
0100 (0.00254) tin-lead over .000050 (0.00127) nickel on entire post

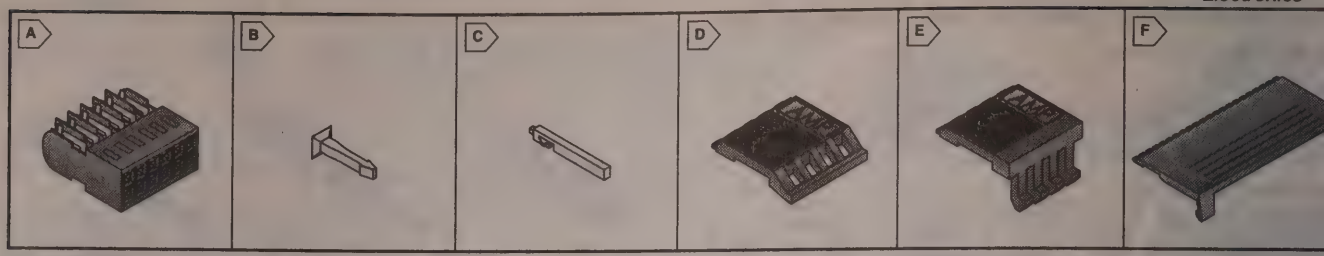
with Polarized/Latching Receptacle Assemblies.



uded Polarized/Latching, Single-Row

MOUSER TOCK NO.	AMP Part No.	Fig.	No. of Pos.	Plating	Dimension (In.) mm	Price Each 1	25	50	100
th Swage									
1-1039081	103908-1	D	2	A	.300 (7.62)	.30	.27	.26	.25
1-1036701	103670-1	D	2	B	.300 (7.62)	.28	.26	.25	.24
1-1036691	103669-1	D	2	C	.300 (7.62)	.28	.25	.24	.23
1-1039082	103908-2	D	3	A	.400 (10.16)	.34	.30	.29	.28
1-1036702	103670-2	D	3	B	.400 (10.16)	.32	.29	.27	.26
1-1036692	103669-2	D	3	C	.400 (10.16)	.30	.27	.26	.25
1-1039083	103908-3	D	4	A	.500 (12.70)	.38	.34	.32	.31
1-1036703	103670-3	D	4	B	.500 (12.70)	.35	.31	.30	.29
1-1036693	103669-3	D	4	C	.500 (12.70)	.32	.29	.28	.27
1-1039084	103908-4	D	5	A	.600 (15.24)	.42	.38	.36	.34
1-1036704	103670-4	D	5	B	.600 (15.24)	.38	.34	.32	.31
1-1036694	103669-4	D	5	C	.600 (15.24)	.34	.31	.29	.28
1-1039085	103908-5	D	6	A	.700 (17.78)	.46	.42	.40	.37
1-1036705	103670-5	D	6	B	.700 (17.78)	.42	.38	.36	.34
1-1036695	103669-5	D	6	C	.700 (17.78)	.37	.33	.31	.30
1-1039086	103908-6	D	7	A	.800 (20.32)	.55	.49	.47	.44
1-1036706	103670-6	D	7	B	.800 (20.32)	.53	.48	.45	.42
1-1036696	103669-6	D	7	C	.800 (20.32)	.45	.40	.38	.36
1-1039087	103908-7	D	8	A	.900 (22.86)	.59	.53	.50	.47
1-103670-7	103670-7	D	8	B	.900 (22.86)	.52	.47	.44	.42
1-1036697	103669-7	D	8	C	.900 (22.86)	.45	.41	.38	.37
1-1039088	103908-8	D	9	A	1.00 (25.40)	.59	.53	.50	.47
1-1036708	103670-8	D	9	B	1.00 (25.40)	.56	.50	.47	.45
1-1036698	103669-8	D	9	C	1.00 (25.40)	2.33	2.09	1.98	1.86
1-1039089	103908-9	D	10	A	1.10 (27.94)	.63	.57	.54	.51
1-1036709	103670-9	D	10	B	1.10 (27.94)	.65	.59	.55	.52
1-1036699	103669-9	D	10	C	1.10 (27.94)	.47	.42	.40	.38
1-11039081	1-103908-1	D	12	A	1.30 (33.02)	.80	.72	.68	.64
1-11036701	1-103670-1	D	12	B	1.30 (33.02)	.70	.63	.59	.56
1-11036691	1-103669-1	D	12	C	1.30 (33.02)	2.88	2.59	2.44	2.30
1-11039083	1-103908-3	D	14	A	1.50 (38.10)	4.27	3.84	3.63	3.41
1-11036703	1-103670-3	D	14	B	1.50 (38.10)	3.68	3.31	3.13	2.94
1-11036693	1-103669-3	D	14	C	1.50 (38.10)	.65	.58	.55	.52
ithout Swage									
1-1037351	103735-1	D	2	A	.300 (7.62)	.30	.27	.26	.25
1-1036381	103638-1	D	2	B	.300 (7.62)	.27	.25	.24	.23
1-103639-1	103639-1	D	2	C	.300 (7.62)	.26	.25	.24	.23
1-1037352	103735-2	D	3	A	.400 (10.16)	.34	.30	.29	.28
1-1036382	103638-2	D	3	B	.400 (10.16)	.30	.28	.27	.26
1-1036392	103639-2	D	3	C	.400 (10.16)	.29	.26	.25	.24

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Plating	Dimension (In.) mm	Price Each 1	25	50	100
Without Swage (cont.)									
571-1037353	103735-3	D	4	A	.500 (12.70)	.38	.34	.32	.31
571-1036383	103638-3	D	4	B	.500 (12.70)	.35	.31	.30	.29
571-1036393	103639-3	D	4	C	.500 (12.70)	.32	.29	.28	.27
571-1037354	103735-4	D	5	A	.600 (15.24)	.42	.38	.36	.34
571-1036384	103638-4	D	5	B	.600 (15.24)	.38	.34	.32	.31
571-1036394	103639-4	D	5	C	.600 (15.24)	.74	.64	.53	.42
571-1037355	103735-5	D	6	A	.700 (17.78)	.77	.69	.65	.61
571-1036385	103638-5	D	6	B	.700 (17.78)	.42	.37	.35	.33
571-1036395	103639-5	D	6	C	.700 (17.78)	.43	.39	.37	.35
571-1037356	103735-6	D	7	A	.800 (20.32)	.58	.52	.49	.46
571-1036386	103638-6	D	7	B	.800 (20.32)	.49	.44	.41	.39
571-1036396	103639-6	D	7	C	.800 (20.32)	.42	.38	.36	.34
571-1037357	103735-7	D	8	A	.900 (22.86)	.59	.53	.50	.47
571-1036387	103638-7	D	8	B	.900 (22.86)	.52	.47	.44	.42
571-1036397	103639-7	D	8	C	.900 (22.86)	.42	.37	.35	.33
571-1037358	103735-8	D	9	A	1.00 (25.40)	1.44	1.29	1.22	1.15
571-1036388	103638-8	D	9	B	1.00 (25.40)	.56	.50	.47	.45
571-1036398	103639-8	D	9	C	1.00 (25.40)	1.03	.92	.87	.82
571-1037359	103735-9	D	10	A	1.10 (27.94)	.80	.72	.68	.64
571-1036389	103638-9	D	10	B	1.10 (27.94)	.65	.59	.55	.52
571-1036399	103639-9	D	10	C	1.10 (27.94)	.51	.46	.43	.41
571-11037351	1-103735-1	D	12	A	1.30 (33.02)	3.71	3.34	3.16	2.97
571-11036381	1-103638-1	D	12	B	1.30 (33.02)	.70	.63	.59	.56
571-11036391	1-103639-1	D	12	C	1.30 (33.02)	2.82	2.54	2.40	2.26
571-11037353	1-103735-3	D	14	A	1.50 (38.10)	1.03	.92	.87	.82
571-11036383	1-103638-3	D	14	B	1.50 (38.10)	.77	.70	.66	.62
571-11036393	1-103639-3	D	14	C	1.50 (38.10)	3.15	2.83	2.68	2.52
High-Temp, with Swage									
571-1043621	104362-1	D	2	B	.300 (7.62)	.33	.30	.29	.28
571-1043622	104362-2	D	3	B	.400 (10.16)	1.36	1.22	1.15	1.09
571-1043623	104362-3	D	4	B	.500 (12.70)	1.24	1.11	1.05	.99
571-1043624	104362-4	D	5	B	.600 (15.24)	.48	.43	.41	.38
571-1043625	104362-5	D	6	B	.700 (17.78)	1.58	1.42	1.34	1.26
571-1043626	104362-6	D	7	B	.800 (20.32)	2.59	2.33	2.20	2.07
571-1043627	104362-7	D	8	B	.900 (22.86)	2.78	2.50	2.36	2.22
571-1043628	104362-8	D	9	B	1.00 (25.40)	.63	.56	.53	.50
571-1043629	104362-9	D	10	B	1.10 (27.94)	1.04	.86	.69	.62
571-11043621	1-104362-1	D	12	B	1.30 (33.02)	3.73	3.35	3.17	2.98



The AMPMODU MT Interconnection system offers labor and cost savings through mass termination technology, while maintaining the time-proven reliability of the AMPMODU product family. The MT system is comprised of preloaded, double-row receptacle assemblies with snap-on covers and a variety of shielding hardware and accessories. The IDC, features a mating interface that is the same as the conventional AMPMODU crimp, snap-in contact, featuring dual cantilever beams, built-in overstress protection and a completely enclosed box design.

RECEPTACLE ASSEMBLIES, DOUBLE-ROW .100" X .100" CENTERLINE

Housings Preloaded with Standard Pressure Contacts

Material and Finish:
- Housing: Black Thermoplastic, flame retardant
- Contacts: Copper alloy, duplex plated .000030 (0.00076) gold on contact area, .000050 (0.00127) min. tin-lead in crimp area, with entire contact underplated .000050 (0.00127) nickel.
- Cable Insulation Diameter: .050 (1.27) max.
- Mating Post Length: .222-.273 (5.64-6.94) max.
- Stamped Housings: Cavity identification - first cavity (one side); AMP part no. and date code stamped on housing where size permits.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Wire Size AWG	Price Each 1	25	50	100
571-1023931	102393-1	A	6	30-26	1.54	1.39	1.31	1.23
571-1023932	102393-2	A	8	30-26	1.84	1.66	1.56	1.47
571-1023933	102393-3	A	10	30-26	2.14	1.93	1.82	1.71
571-1023934	102393-4	A	12	30-26	2.56	2.31	2.18	2.05
571-1023935	102393-5	A	14	30-26	2.96	2.66	2.52	2.37
571-1023936	102393-6	A	16	30-26	4.06	3.65	3.45	3.25
571-1023937	102393-7	A	18	30-26	5.38	4.85	4.57	4.31
571-1023938	102393-8	A	20	30-26	4.46	4.01	3.79	3.57
571-11023930	1-102393-0	A	24	30-26	5.10	4.59	4.34	4.08
571-11023931	1-102393-1	A	26	30-26	4.64	4.18	3.94	3.71
571-11023933	1-102393-3	A	30	30-26	6.34	5.71	5.39	5.08
571-11023935	1-102393-5	A	34	30-26	7.60	6.84	6.46	6.08
571-11023938	1-102393-8	A	40	30-26	6.28	5.65	5.34	5.03
571-21023933	2-102393-3	A	50	30-26	8.12	7.31	6.90	6.50
571-21023938	2-102393-8	A	60	30-26	9.56	8.60	8.13	7.65
571-1023981	102398-1	A	6	26-22	1.56	1.40	1.33	1.25
571-1023982	102398-2	A	8	26-22	2.54	2.29	2.16	2.03
571-1023983	102398-3	A	10	26-22	2.14	1.93	1.82	1.71
571-1023984	102398-4	A	12	26-22	2.56	2.30	2.18	2.05
571-1023985	102398-5	A	14	26-22	3.14	2.83	2.67	2.51
571-1023986	102398-6	A	16	26-22	2.54	2.28	2.15	2.03
571-1023987	102398-7	A	18	26-22	2.69	2.42	2.29	2.15
571-1023988	102398-8	A	20	26-22	4.22	3.80	3.59	3.38
571-11023980	1-102398-0	A	24	26-22	5.40	4.86	4.59	4.32
571-11023981	1-102398-1	A	26	26-22	3.13	2.82	2.67	2.51
571-11023983	1-102398-3	A	30	26-22	6.74	6.07	5.73	5.39
571-11023985	1-102398-5	A	34	26-22	7.60	6.84	6.46	6.08
571-11023988	1-102398-8	A	40	26-22	6.28	5.65	5.34	5.02
571-21023983	2-102398-3	A	50	26-22	7.96	7.17	6.78	6.37
571-21023988	2-102398-8	A	60	26-22	9.02	8.12	7.67	7.22
571-1024481	102448-1	A	6	22-20	3.08	2.77	2.62	2.46
571-1024482	102448-2	A	8	22-20	1.96	1.76	1.67	1.57
571-1024483	102448-3	A	10	22-20	2.14	1.93	1.82	1.71
571-1024484	102448-4	A	12	22-20	2.72	2.45	2.31	2.18
571-1024485	102448-5	A	14	22-20	2.96	2.66	2.52	2.37
571-1024486	102448-6	A	16	22-20	3.38	3.04	2.87	2.70
571-1024487	102448-7	A	18	22-20	4.04	3.64	3.43	3.23
571-1024488	102448-8	A	20	22-20	4.22	3.80	3.59	3.38
571-11024480	1-102448-0	A	24	22-20	5.10	4.59	4.34	4.08
571-11024481	1-102448-1	A	26	22-20	4.36	3.92	3.71	3.49
571-11024482	1-102448-2	A	28	22-20	8.46	7.61	7.19	6.77
571-11024483	1-102448-3	A	30	22-20	6.74	6.07	5.73	5.39
571-11024488	1-102448-8	A	40	22-20	9.32	8.39	7.92	7.46
571-21024483	2-102448-3	A	50	22-20	7.66	6.89	6.51	6.13
571-21024488	2-102448-8	A	60	22-20	9.74	8.77	8.28	7.79

Housings Preloaded with High Pressure Contacts

- Mating post length: .200-.273 (5.64-6.94)

For quantities of 500 and up, call for quote.

571-1026941	102694-1	A	6	26-22	1.66	1.49	1.41	1.33
571-1026942	102694-2	A	8	26-22	1.84	1.66	1.56	1.47
571-1026943	102694-3	A	10	26-22	2.64	2.38	2.25	2.12
571-1026944	102694-4	A	12	26-22	2.56	2.31	2.18	2.05
571-1026945	102694-5	A	14	26-22	4.18	3.76	3.55	3.35
571-1026946	102694-6	A	16	26-22	3.60	3.24	3.06	2.88
571-1026947	102694-7	A	18	26-22	4.04	3.64	3.43	3.23
571-1026948	102694-8	A	20	26-22	4.22	3.80	3.59	3.38

KEYING PLUGS

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	25	50	1
571-862861	86286-1	B	Plugs into receptacle contact	.16	.15	.14	
571-870772	87077-2	C	Plugs directly into housing	.14	.13	.12	

COVERS FOR MT RECEPTACLE ASSEMBLIES

Front Covers - Low Profile, Non-Polarizing

- Use with shielded connectors

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Price Each 1	25	50	1
571-1025411	102541-1	D	6	.23	.22	.21	
571-1025412	102541-2	D	8	.41	.37	.35	
571-1025413	102541-3	D	10	.29	.26	.22	
571-1025414	102541-4	D	12	.49	.44	.37	
571-1025415	102541-5	D	14	.49	.44	.37	
571-1025416	102541-6	D	16	.37	.33	.28	
571-1025417	102541-7	D	18	1.34	1.21	1.06	1.0
571-1025418	102541-8	D	20	1.34	1.21	1.06	1.0
571-11025410	1-102541-0	D	24	.55	.49	.42	
571-11025411	1-102541-1	D	26	.84	.76	.64	
571-11025413	1-102541-3	D	30	.56	.51	.48	
571-11025415	1-102541-5	D	34	.86	.77	.66	
571-11025418	1-102541-8	D	40	1.34	1.21	1.14	1.0
571-21025413	2-102541-3	D	50	1.44	1.30	1.22	1.1
571-21025418	2-102541-8	D	60	2.24	1.86	1.49	1.3

Back Covers - Low Profile

- Use for shielding and non-sheilding applications

For quantities of 500 and up, call for qu

571-1025361	102536-1	E	6	.29	.26	.22	
571-1025362	102536-2	E	8	.97	.87	.76	.7
571-1025363	102536-3	E	10	.32	.29	.25	
571-1025364	102536-4	E	12	.98	.88	.75	.7
571-1025365	102536-5	E	14	.96	.86	.82	.7
571-1025366	102536-6	E	16	.89	.80	.68	.5
571-1025367	102536-7	E	18	.82	.74	.63	.5
571-1025368	102536-8	E	20	.46	.41	.35	.2
571-11025360	1-102536-0	E	24	.99	.89	.76	.7
571-11025361	1-102536-1	E	26	.60	.53	.45	.3
571-11025363	1-102536-3	E	30	.98	.88	.83	.7
571-11025365	1-102536-5	E	34	1.05	.94	.80	.8
571-11025368	1-102536-8	E	40	1.51	1.37	1.17	.9
571-21025363	2-102536-3	E	50	1.32	1.19	1.13	1.0
571-21025368	2-102536-8	E	60	2.12	1.77	1.41	1.2

Hermaphroditic Cover - Standard Profile

- Two covers required per connector

For quantities of 500 and up, call for qu

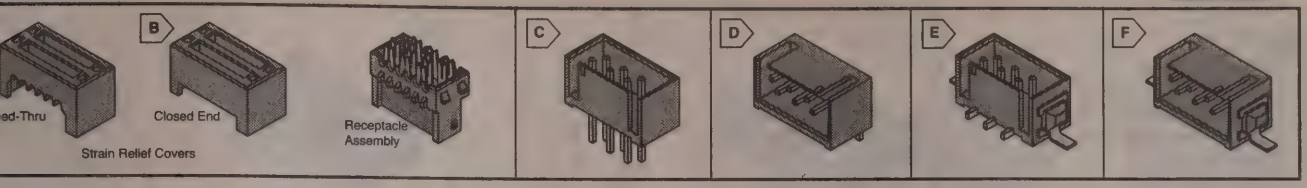
571-1023961	102396-1	F	6	.94	.85	.72	.6
571-1023962	102396-2	F	8	.91	.82	.77	.7
571-1023963	102396-3	F	10	.46	.41	.39	.3
571-1023964	102396-4	F	12	.84	.76	.65	.5
571-1023965	102396-5	F	14	1.99	1.80	1.63	1.5
571-1023966	102396-6	F	16	.84	.76	.65	.5
571-1023967	102396-7	F	18	.43	.38	.36	.3
571-1023968	102396-8	F	20	1.56	1.40	1.33	1.2
571-11023960	1-102396-0	F	24	1.74	1.56	1.48	1.3
571-11023961	1-102396-1	F	26	1.31	1.18	1.01	.8
571-11023962	1-102396-2	F	28	1.16	1.04	.98	.9
571-11023963	1-102396-3	F	30	.79	.71	.67	.6
571-11023965	1-102396-5	F	34	1.11	1.00	.85	.7
571-11023968	1-102396-8	F	40	1.06	.95	.90	.8
571-21023963	2-102396-3	F	50	1.87	1.68	1.59	1.5
571-21023968	2-102396-8	F	60	1.07	.97	.91	.8

TOOLS

MOUSER STOCK NO.	AMP Part No.	Description	Price Each 1	5
571-58074-1	58074-1	Manual handle w/o head	55.50	48.10
571-58062-1	58062-1	Head IDC, only	229.60	213.20

AMP MTA .050" Series IDC Connectors and Headers

tyco Electronics



ES:
ated
e Rating: 30VAC
nt Rating: 1 amp max.
evel Resistance: 30 milliohms
tric Withstanding Voltage: 500VAC
tion Resistance: 1,000 megohms
ting Temperature: -55°C to +105°C for connector only
Coding by Wire Size for UL94V-0 Connectors
26 AWG - Blue
28 AWG - Green

- Strain Relief Covers: UL94V-0 rated, thermoplastic, black
- Housing: UL94V-2 rated, thermoplastic
- Housing Contacts: Phosphor bronze; .000100 [0.00127] min. nickel; mating end: .000100 [0.00254] min. tin-lead
- Headers:
  Housing: UL94V-0 rated, thermoplastic, black
  Contacts: Brass, .000100 [0.00254] min. tin-lead over .000050 [0.00127] min. nickel on solder legs; mating end: .000100 [0.00254] min. tin-lead

D-THRU RECEPTACLE ASSEMBLIES - RIBBON CABLE

or assembly consists of Receptacle Assembly and Strain Relief Cover

For quantities of 50 and up, call for quote.

USER CK NO.	AMP Part No.	Fig.	No. of Positions	Wire Size (AWG)	Price Each 1	10	25
453592	1445359-2	A	2	26	.30	.27	.25
453593	1445359-3	A	3	26	.38	.34	.32
453594	1445359-4	A	4	26	.46	.41	.39
453595	1445359-5	A	5	26	.54	.48	.45
453596	1445359-6	A	6	26	.61	.56	.52
453598	1445359-8	A	8	26	.76	.68	.65
4453590	1-1445359-0	A	10	26	1.11	1.00	.94
4453592	1-1445359-2	A	12	26	1.42	1.28	1.21
453622	1445362-2	A	2	28	.30	.27	.25
453623	1445362-3	A	3	28	.38	.34	.32
453624	1445362-4	A	4	28	.46	.41	.39
453625	1445362-5	A	5	28	.54	.48	.45
453626	1445362-6	A	6	28	.61	.56	.52
453628	1445362-8	A	8	28	.76	.68	.65
4453620	1-1445362-0	A	10	28	1.11	1.00	.94
4453622	1-1445362-2	A	12	28	1.42	1.28	1.21

D-THRU RECEPTACLE ASSEMBLIES - DISCRETE WIRE

or assembly consists of Receptacle Assembly and Strain Relief Cover

For quantities of 50 and up, call for quote.

USER CK NO.	AMP Part No.	Fig.	No. of Positions	Wire Size (AWG)	Price Each 1	10	50
4453412	1445341-2	A	2	26	.30	.27	.25
4453413	1445341-3	A	3	26	.38	.34	.32
4453414	1445341-4	A	4	26	.46	.41	.39
4453415	1445341-5	A	5	26	.54	.48	.45
4453416	1445341-6	A	6	26	.61	.56	.52
4453418	1445341-8	A	8	26	.76	.68	.65
4453410	1-1445341-0	A	10	26	1.11	1.00	.94
4453412	1-1445341-2	A	12	26	1.42	1.28	1.21
4453442	1445344-2	A	2	28	.30	.27	.25
4453443	1445344-3	A	3	28	.38	.34	.32
4453444	1445344-4	A	4	28	.46	.41	.39
4453445	1445344-5	A	5	28	.54	.48	.45
4453446	1445344-6	A	6	28	.61	.56	.52
4453448	1445344-8	A	8	28	.76	.68	.65
4453440	1-1445344-0	A	10	28	1.11	1.00	.94
4453442	1-1445344-2	A	12	28	1.42	1.28	1.21

SED END RECEPTACLE ASSEMBLIES - DISCRETE WIRE

or assembly consists of Receptacle Assembly and Strain Relief Cover

For quantities of 50 and up, call for quote.

USER CK NO.	AMP Part No.	Fig.	No. of Positions	Wire Size (AWG)	Price Each 1	10	50
4453502	1445350-2	B	2	26	.30	.27	.25
4453503	1445350-3	B	3	26	.38	.34	.32
4453504	1445350-4	B	4	26	.46	.41	.39
4453505	1445350-5	B	5	26	.54	.48	.45
4453506	1445350-6	B	6	26	.61	.56	.52
4453508	1445350-8	B	8	26	.76	.68	.65
4453500	1-1445350-0	B	10	26	1.11	1.00	.94
4453502	1-1445350-2	B	12	26	1.42	1.28	1.21
4453532	1445353-2	B	2	28	.30	.27	.25
4453533	1445353-3	B	3	28	.38	.34	.32
4453534	1445353-4	B	4	28	.46	.41	.39
4453535	1445353-5	B	5	28	.54	.48	.45
4453536	1445353-6	B	6	28	.61	.56	.52
4453538	1445353-8	B	8	28	.76	.68	.65
4453530	1-1445353-0	B	10	28	1.11	1.00	.94
4453532	1-1445353-2	B	12	28	1.42	1.28	1.21

VERTICAL THROUGH-HOLE HEADERS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each 1	10	25
571-14451202	1445120-2	C	2	.23	.20	.18
571-14451203	1445120-3	C	3	.26	.23	.21
571-14451204	1445120-4	C	4	.30	.27	.25
571-14451205	1445120-5	C	5	.38	.34	.32
571-14451206	1445120-6	C	6	.42	.36	.34
571-14451208	1445120-8	C	8	.53	.48	.45
571-114451200	1-1445120-0	C	10	.74	.66	.63
571-114451202	1-1445120-2	C	12	.94	.84	.80

RIGHT-ANGLE THROUGH-HOLE HEADERS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each 1	10	25
571-14451692	1445169-2	D	2	.24	.21	.19
571-14451693	1445169-3	D	3	.28	.25	.23
571-14451694	1445169-4	D	4	.32	.30	.27
571-14451695	1445169-5	D	5	.42	.36	.34
571-14451696	1445169-6	D	6	.46	.41	.39
571-14451698	1445169-8	D	8	.61	.56	.52
571-114451690	1-1445169-0	D	10	.81	.73	.70
571-114451692	1-1445169-2	D	12	1.04	.94	.90

VERTICAL SURFACE MOUNT HEADERS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each 1	10	25
571-14451212	1445121-2	E	2	.62	.56	.53
571-14451213	1445121-3	E	3	.68	.62	.59
571-14451214	1445121-4	E	4	.77	.69	.66
571-14451215	1445121-5	E	5	.81	.73	.70
571-14451216	1445121-6	E	6	.94	.84	.80
571-14451218	1445121-8	E	8	1.04	.94	.90
571-114451210	1-1445121-0	E	10	1.2	1.09	1.03
571-114451212	1-1445121-2	E	12	1.41	1.26	1.19

RIGHT-ANGLE SURFACE MOUNT HEADERS

For quantities of 50 and up, call for quote.

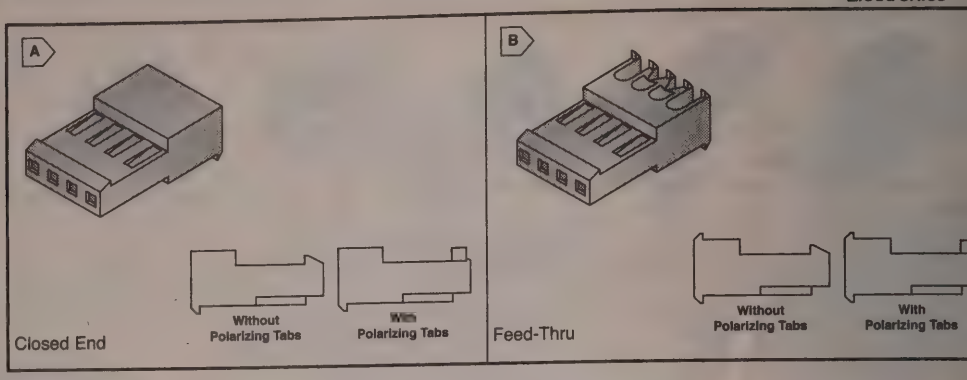
MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each 1	10	25
571-14451722	1445172-2	F	2	.53	.48	.45
571-14451723	1445172-3	F	3	.62	.56	.53
571-14451724	1445172-4	F	4	.68	.62	.59
571-14451725	1445172-5	F	5	.78	.70	.67
571-14451726	1445172-6	F	6	.83	.75	.72
571-14451728	1445172-8	F	8	1.04	.94	.90
571-114451720	1-1445172-0	F	10	1.20	1.09	1.03
571-114451722	1-1445172-2	F	12	1.42	1.28	1.21

AMP MTA .100" Series IDC Connectors

Specifications:
- Voltage rating: 250VAC
- Current rating: 4 Amp max.
- Low-level resistance: 5mΩ max. Initial
- Operating temp.: -55°C to +105°C
- Dielectric withstanding Voltage: 750VAC/1Min.
- Insulation resistance: 5000MΩ min. initial

File No. LR7189

File No. E28476



CLOSED END STYLE

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Wire Size (AWG)	Color	Price Each 1	10	100
Closed End without Polarizing Tabs								
571-6404402	640440-2	A	2	22	Red	.13	.12	.11
571-6404403	640440-3	A	3	22	Red	.15	.13	.12
571-6404404	640440-4	A	4	22	Red	.20	.18	.17
571-6404405	640440-5	A	5	22	Red	.26	.20	.18
571-6404406	640440-6	A	6	22	Red	.28	.24	.21
571-6404407	640440-7	A	7	22	Red	.33	.29	.25
571-6404408	640440-8	A	8	22	Red	.37	.32	.27
571-6404409	640440-9	A	9	22	Red	.92	.82	.80
571-16404400	1-640440-0	A	10	22	Red	.46	.37	.31
571-6404412	640441-2	A	2	24	White	.13	.12	.11
571-6404413	640441-3	A	3	24	White	.15	.13	.12
571-6404414	640441-4	A	4	24	White	.14	.13	.12
571-6404415	640441-5	A	5	24	White	.20	.19	.18
571-6404416	640441-6	A	6	24	White	.21	.20	.19
571-6404417	640441-7	A	7	24	White	.33	.27	.22
571-6404418	640441-8	A	8	24	White	.26	.24	.23
571-6404419	640441-9	A	9	24	White	.92	.82	.73
571-16404410	1-640441-0	A	10	24	White	.33	.30	.28
571-6404422	640442-2	A	2	26	Blue	.13	.12	.11
571-6404423	640442-3	A	3	26	Blue	.15	.13	.12
571-6404424	640442-4	A	4	26	Blue	.20	.17	.15
571-6404425	640442-5	A	5	26	Blue	.26	.22	.18
571-6404426	640442-6	A	6	26	Blue	.21	.20	.19
571-6404427	640442-7	A	7	26	Blue	.33	.29	.25
571-6404428	640442-8	A	8	26	Blue	.37	.31	.25
571-6404429	640442-9	A	9	26	Blue	.92	.82	.80
571-16404420	1-640442-0	A	10	26	Blue	.46	.37	.31
571-6404432	640443-2	A	2	28	Green	.13	.12	.11
571-6404433	640443-3	A	3	28	Green	.15	.13	.12
571-6404434	640443-4	A	4	28	Green	.20	.16	.15
571-6404435	640443-5	A	5	28	Green	.28	.24	.20
571-6404436	640443-6	A	6	28	Green	.28	.24	.20
571-6404437	640443-7	A	7	28	Green	.33	.29	.25
571-6404438	640443-8	A	8	28	Green	.37	.31	.25
571-16404430	1-640443-0	A	10	28	Green	.46	.37	.31

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Wire Size (AWG)	Color	Price Each 1	10	1
Closed End with Polarizing Tabs								
571-6438132	643813-2	A	2	22	Red	.13	.12	
571-6438133	643813-3	A	3	22	Red	.15	.13	
571-6438134	643813-4	A	4	22	Red	.20	.17	
571-6438135	643813-5	A	5	22	Red	.26	.24	
571-6438136	643813-6	A	6	22	Red	.49	.45	
571-6438137	643813-7	A	7	22	Red	.33	.29	
571-6438138	643813-8	A	8	22	Red	.37	.33	
571-6438139	643813-9	A	9	22	Red	.92	.82	
571-16438130	1-643813-0	A	10	22	Red	.46	.41	
571-6438142	643814-2	A	2	24	White	.13	.12	
571-6438143	643814-3	A	3	24	White	.15	.13	
571-6438144	643814-4	A	4	24	White	.20	.17	
571-6438145	643814-5	A	5	24	White	.26	.24	
571-6438146	643814-6	A	6	24	White	.28	.25	
571-6438147	643814-7	A	7	24	White	.33	.29	
571-6438148	643814-8	A	8	24	White	.37	.33	
571-6438149	643814-9	A	9	24	White	.92	.82	
571-16438140	1-643814-0	A	10	24	White	.46	.41	
571-6438152	643815-2	A	2	26	Blue	.13	.12	
571-6438153	643815-3	A	3	26	Blue	.15	.13	
571-6438154	643815-4	A	4	26	Blue	.20	.18	
571-6438155	643815-5	A	5	26	Blue	.26	.23	
571-6438156	643815-6	A	6	26	Blue	.28	.25	
571-6438157	643815-7	A	7	26	Blue	.33	.29	
571-6438158	643815-8	A	8	26	Blue	.37	.33	
571-6438159	643815-9	A	9	26	Blue	.92	.82	
571-16438150	1-643815-0	A	10	26	Blue	.46	.41	
571-6438162	643816-2	A	2	28	Green	.13	.12	
571-6438163	643816-3	A	3	28	Green	.15	.13	
571-6438164	643816-4	A	4	28	Green	.20	.18	
571-6438165	643816-5	A	5	28	Green	.26	.23	
571-6438166	643816-6	A	6	28	Green	.28	.25	
571-6438167	643816-7	A	7	28	Green	.33	.29	
571-6438168	643816-8	A	8	28	Green	.37	.33	
571-16438160	1-643816-0	A	10	28	Green	.46	.41	

FEED-THRU STYLE

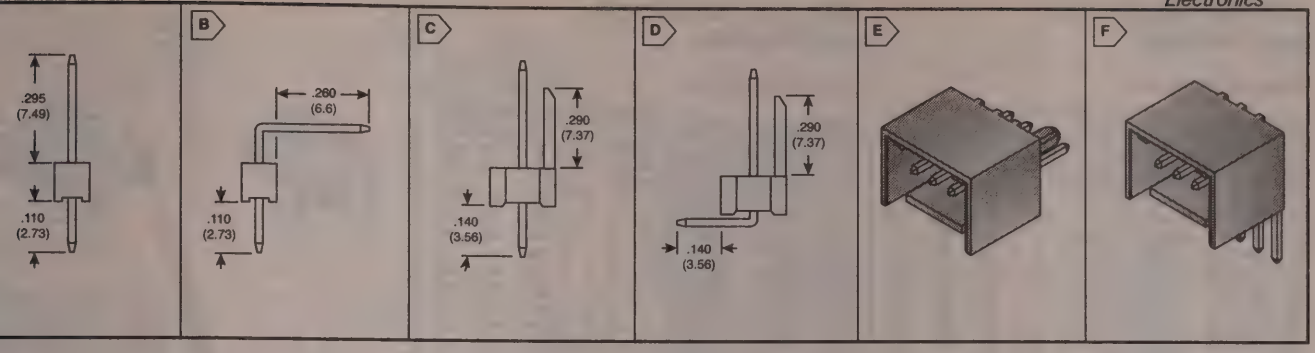
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Wire Size (AWG)	Color	Price Each 1	10	100
Feed-Thru without Polarizing Tabs								
571-6406202	640620-2	B	2	22	Red	.20	.17	.15
571-6406203	640620-3	B	3	22	Red	.20	.17	.15
571-6406204	640620-4	B	4	22	Red	.20	.17	.15
571-6406205	640620-5	B	5	22	Red	.26	.21	.19
571-6406206	640620-6	B	6	22	Red	.28	.24	.20
571-6406207	640620-7	B	7	22	Red	.33	.27	.25
571-6406208	640620-8	B	8	22	Red	.37	.31	.25
571-6406209	640620-9	B	9	22	Red	.92	.82	.80
571-16406200	1-640620-0	B	10	22	Red	.46	.37	.31
571-6406212	640621-2	B	2	24	White	.20	.17	.15
571-6406213	640621-3	B	3	24	White	.20	.17	.15
571-6406214	640621-4	B	4	24	White	.20	.17	.15
571-6406215	640621-5	B	5	24	White	.26	.21	.19
571-6406216	640621-6	B	6	24	White	.28	.24	.20
571-6406218	640621-8	B	8	24	White	.37	.31	.25
571-16406210	1-640621-0	B	10	24	White	.46	.35	.30
571-6406222	640622-2	B	2	26	Blue	.20	.17	.15
571-6406223	640622-3	B	3	26	Blue	.20	.17	.15
571-6406224	640622-4	B	4	26	Blue	.20	.17	.15
571-6406225	640622-5	B	5	26	Blue	.26	.24	.22
571-6406226	640622-6	B	6	26	Blue	.28	.24	.20

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Wire Size (AWG)	Color	Price Each 1	10	1
Feed-Thru without Polarizing Tabs (cont.)								
571-6406228	640622-8	B	8	26	Blue	.37	.31	
571-6406232	640623-2	B	2	28	Green	.20	.17	
571-6406233	640623-3	B	3	28	Green	.20	.17	
571-6406234	640623-4	B	4	28	Green	.20	.17	
571-6406235	640623-5	B	5	28	Green	.26	.24	
571-6406236	640623-6	B	6	28	Green	.28	.24	
Feed-Thru with Polarizing Tabs								
571-6445402	644540-2	B	2	22	Red	.17	.15	
571-6445403	644540-3	B	3	22	Red	.19	.17	
571-6445404	644540-4	B	4	22	Red	.20	.18	
571-6445405	644540-5	B	5	22	Red	.26	.23	
571-6445406	644540-6	B	6	22	Red	.28	.25	
571-6445408	644540-8	B	8	22	Red	.37	.33	
571-6445632	644563-2	B	2	24	White	.17	.15	
571-6445633	644563-3	B	3	24	White	.19	.17	
571-6445634	644563-4	B	4	24	White	.20	.18	
571-6445635	644563-5	B	5	24	White	.26	.23	
571-6445636	644563-6	B	6	24	White	.28	.25	
571-6445637	644563-7	B	7	24	White	.33	.29	
571-6445638	644563-8	B	8	24	White	.37	.33	
571-6445639	644563-9	B	9	24	White	.92	.82	
571-6445654	644565-4	B	4	28	Green	.20	.18	

MOUSER ELECTRONICS a ttl company



T HEADERS

al and Finish:
g: UL94V-0 rated, polyester, natural color
Copper alloy, tin plated

File No. E28476 File No. LR7189

For quantities of 500 and up, call for quote.

OUSER CK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
ght Post						
404522	640452-2	A	2	.30	.25	.22
404523	640452-3	A	3	.20	.19	.18
404524	640452-4	A	4	.24	.23	.22
404525	640452-5	A	5	.56	.49	.37
404526	640452-6	A	6	.54	.46	.41
404527	640452-7	A	7	.63	.54	.47
404528	640452-8	A	8	.72	.61	.54
6404520	1-640452-0	A	10	.90	.77	.68
6404522	1-640452-2	A	12	.65	.58	.55
6404524	1-640452-4	A	14	.76	.68	.65
6404526	1-640452-6	A	16	1.08	.97	.92
Angle Post						
404532	640453-2	B	2	.21	.18	.15
404533	640453-3	B	3	.31	.26	.23
404534	640453-4	B	4	.41	.35	.31
404535	640453-5	B	5	.52	.44	.39
404536	640453-6	B	6	.56	.48	.42
404537	640453-7	B	7	.66	.56	.49
404538	640453-8	B	8	.75	.64	.56
404539	640453-9	B	9	.52	.47	.44
6404530	1-640453-0	B	10	.94	.80	.70
6404532	1-640453-2	B	12	1.13	.96	.84
6404534	1-640453-4	B	14	.81	.73	.69
6404536	1-640453-6	B	16	1.88	1.59	1.40

RROW FLAT HEADERS

al and Finish:
g: UL94V-0 rated, polyester, natural color
Copper alloy, tin plated

For quantities of 500 and up, call for quote.

OUSER CK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
ght Post						
444562	644456-2	A	2	.24	.21	.18
444563	644456-3	A	3	.30	.25	.22
444564	644456-4	A	4	.40	.34	.30
444565	644456-5	A	5	.50	.42	.37
444566	644456-6	A	6	.43	.37	.32
444567	644456-7	A	7	.31	.28	.26
444568	644456-8	A	8	.72	.61	.54
444569	644456-9	A	9	.40	.36	.34
6444560	1-644456-0	A	10	.45	.40	.38
6444562	1-644456-2	A	12	1.08	.92	.81
6444564	1-644456-4	A	14	1.02	.92	.87
6444566	1-644456-6	A	16	1.08	.97	.92
ght Post with Retentive Leg						
446952	644695-2	A	2	.27	.23	.20
446953	644695-3	A	3	.23	.19	.17
446954	644695-4	A	4	.22	.21	.20
446955	644695-5	A	5	.44	.37	.33
446956	644695-6	A	6	.48	.40	.36
446957	644695-7	A	7	.56	.47	.42
446958	644695-8	A	8	.64	.54	.48
446959	644695-9	A	9	.44	.40	.38
6446950	1-644695-0	A	10	.79	.67	.59
6446952	1-644695-2	A	12	1.63	1.47	1.39
6446954	1-644695-4	A	14	.69	.62	.59
6446956	1-644695-6	A	16	1.23	1.11	1.05

NARROW FLAT HEADERS CONT.

Material and Finish:
- Housing: UL94V-0 rated, polyester, natural color
- Posts: Copper alloy, tin plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
Right Angle Post						
571-6444572	644457-2	B	2	.16	.15	.14
571-6444573	644457-3	B	3	.22	.18	.16
571-6444574	644457-4	B	4	.41	.35	.31
571-6444575	644457-5	B	5	.26	.24	.23
571-6444576	644457-6	B	6	.56	.48	.42
571-6444578	644457-8	B	8	.75	.64	.56

POLARIZED HEADERS

- Housing: UL94V-0 rated, polyester, natural color
- Posts: Copper alloy, tin plated or gold over nickel
- No 16 Position in Gold

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
Straight Post, Tin Plated						
571-6404542	640454-2	C	2	.11	.10	.09
571-6404543	640454-3	C	3	.12	.11	.10
571-6404544	640454-4	C	4	.15	.14	.13
571-6404545	640454-5	C	5	.15	.14	.13
571-6404546	640454-6	C	6	.17	.15	.14
571-6404547	640454-7	C	7	.19	.16	.15
571-6404548	640454-8	C	8	.20	.17	.16
571-6404549	640454-9	C	9	.54	.49	.46
571-16404540	1-640454-0	C	10	.24	.21	.20
571-16404542	1-640454-2	C	12	.37	.28	.26
571-16404544	1-640454-4	C	14	.86	.77	.73
571-16404546	1-640454-6	C	16	.98	.94	.89
Straight Post, Gold Plated						
571-6412132	641213-2	C	2	.44	.39	.35
571-6412133	641213-3	C	3	.68	.61	.54
571-6412134	641213-4	C	4	.84	.75	.67
571-6412135	641213-5	C	5	.80	.72	.64
571-6412136	641213-6	C	6	.90	.81	.76
571-6412138	641213-8	C	8	.58	.52	.49
571-16412130	1-641213-0	C	10	1.34	1.21	1.14
571-16412134	1-641213-4	C	14	1.99	1.79	1.69
Right Angle Post, Tin Plated						
571-6404552	640455-2	D	2	.11	.10	.09
571-6404553	640455-3	D	3	.12	.11	.10
571-6404554	640455-4	D	4	.15	.13	.12
571-6404555	640455-5	D	5	.15	.14	.13
571-6404556	640455-6	D	6	.17	.15	.14
571-6404557	640455-7	D	7	.19	.16	.15
571-6404558	640455-8	D	8	.20	.17	.16
571-6404559	640455-9	D	9	.60	.53	.47
571-16404550	1-640455-0	D	10	.24	.21	.20
Right Angle Post, Gold Plated						
571-6412142	641214-2	D	2	.74	.66	.59
571-6412144	641214-4	D	4	.98	.88	.83
571-16412140	1-641214-0	D	10	1.60	1.44	1.36
571-16412142	1-641214-2	D	12	1.90	1.71	1.61

FRICTION LOCK HEADERS

- Posts: Copper alloy, tin plated or gold over nickel
- Housing: UL94V-0 rated, polyester, natural color

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
Straight Post, Tin plated						
571-6404562	640456-2	C	2	.08	.07	.06
571-6404563	640456-3	C	3	.12	.11	.10
571-6404564	640456-4	C	4	.15	.14	.13
571-6404565	640456-5	C	5	.18	.15	.13
571-6404566	640456-6	C	6	.17	.16	.15
571-6404567	640456-7	C	7	.23	.19	.18

FRICTION LOCK HEADERS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
Straight Post, Tin plated (Cont.)						
571-6404568	640456-8	C	8	.17	.16	.15
571-6404569	640456-9	C	9	.43	.38	.36
571-16404560	1-640456-0	C	10	.29	.25	.22
571-16404562	1-640456-2	C	12	.44	.37	.33
571-16404564	1-640456-4	C	14	.67	.60	.57
571-16404566	1-640456-6	C	16	.95	.85	.81
Straight Post, Gold plated						
571-6412152	641215-2	C	2	.34	.31	.29
571-6412153	641215-3	C	3	.54	.49	.46
571-6412154	641215-4	C	4	.67	.60	.57
571-6412155	641215-5	C	5	.84	.75	.72
571-6412156	641215-6	C	6	.95	.85	.81
571-6412157	641215-7	C	7	1.10	.99	.94
571-6412158	641215-8	C	8	.57	.52	.49
571-16412150	1-641215-0	C	10	1.35	1.21	1.15
571-16412152	1-641215-2	C	12	1.61	1.45	1.37
571-16412154	1-641215-4	C	14	1.99	1.79	1.69
571-16412156	1-641215-6	C	16	2.61	2.35	2.22
Right Angle Post, Tin plated						
571-6404572	640457-2	D	2	.11	.10	.09
571-6404573	640457-3	D	3	.12	.11	.10
571-6404574	640457-4	D	4	.15	.14	.13
571-6404575	640457-5	D	5	.18	.15	.13
571-6404576	640457-6	D	6	.20	.17	.15
571-6404577	640457-7	D	7	.23	.19	.17
571-6404578	640457-8	D	8	.24	.21	.18
571-6404579	640457-9	D	9	.54	.48	.46
571-16404570	1-640457-0	D	10	.29	.25	.22
571-16404572	1-640457-2	D	12	.27	.26	.25
571-16404574	1-640457-4	D	14	.69	.62	.59
571-16404576	1-640457-6	D	16	.95	.85	.81
Right Angle Post, Gold plated						
571-6412165	641216-5	D	5	1.05	.94	.89
571-16412160	1-641216-0	D	10	1.46	1.32	1.24
571-16412162	1-641216-2	D	12	2.25	2.04	1.92
571-16412166	1-641216-6	D	16	3.27	2.95	2.78

SHROUDED HEADERS

Material and Finish:
- Housing: UL94V-0 rated, polyester, natural color
- Posts: Copper alloy, tin plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
Straight Post						
571-6444862	644486-2	E	2	.38	.33	.30
571-6444863	644486-3	E	3	.43	.38	.34
571-6444864	644486-4	E	4	.73	.65	.58
571-6444865	644486-5	E	5	.91	.84	.76
571-6444866	644486-6	E	6	.96	.87	.82
571-6444867	644486-7	E	7	.86	.78	.73
571-6444868	644486-8	E	8	.42	.38	.36
571-6444869	644486-9	E	9	2.14	1.92	1.82
571-16444860	1-644486-0	E	10	1.70	1.52	1.44
571-16444864	1-644486-4	E	14	2.25	2.02	1.91
Right Angle Post						
571-6444882	644488-2	F	2	.55	.50	.47
571-6444883	644488-3	F	3	.55	.50	.47
571-6444884	644488-4	F	4	.77	.68	.61
571-6444885	644488-5	F	5	1.31	1.18	1.11
571-6444886	644488-6	F	6	1.00	.90	.85
571-6444887	644488-7	F	7	.89	.81	.76

AMP MTA .100" and .156" Connector Accessories

tyco Electronics

MTA .100" CONNECTOR ACCESSORIES

Strain Relief Covers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
Closed End Strain Relief Covers						
571-6430752	643075-2	A	2	.30	.25	.21
571-6430753	643075-3	A	3	.99	.89	.79
571-6430754	643075-4	A	4	.33	.27	.21
571-6430755	643075-5	A	5	.30	.25	.23
571-6430756	643075-6	A	6	.24	.23	.22
571-6430757	643075-7	A	7	.75	.66	.59
571-6430758	643075-8	A	8	.75	.66	.59
571-6430759	643075-9	A	9	.75	.66	.59
571-16430750	1-643075-0	A	10	.75	.66	.59
571-16430752	1-643075-2	A	12	.75	.66	.59
571-16430754	1-643075-4	A	14	.75	.66	.59
571-16430756	1-643075-6	A	16	.82	.73	.69
Feed-Thru Strain Relief Covers						
571-6430772	643077-2	B	2	.45	.40	.36
571-6430773	643077-3	B	3	.15	.14	.13
571-6430774	643077-4	B	4	.40	.36	.32
571-6430775	643077-5	B	5	.50	.45	.40
571-6430776	643077-6	B	6	.55	.49	.44
571-6430777	643077-7	B	7	.57	.51	.48
571-6430778	643077-8	B	8	.65	.58	.52
571-6430779	643077-9	B	9	.80	.72	.68
571-16430770	1-643077-0	B	10	.73	.65	.62
571-16430772	1-643077-2	B	12	.75	.68	.64
571-16430774	1-643077-4	B	14	.76	.68	.64
571-16430776	1-643077-6	B	16	.76	.69	.65

Dust Covers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
Closed End Dust Covers						
571-6405502	640550-2	C	2	.11	.10	.09
571-6405503	640550-3	C	3	.12	.11	.10
571-6405504	640550-4	C	4	.17	.16	.15
571-6405505	640550-5	C	5	.19	.18	.17
571-6405506	640550-6	C	6	.20	.19	.17
571-6405507	640550-7	C	7	.21	.20	.19
571-6405508	640550-8	C	8	.45	.24	.23
571-6405509	640550-9	C	9	.24	.23	.22
571-16405500	1-640550-0	C	10	.53	.28	.25
571-16405502	1-640550-2	C	12	.63	.34	.30
571-16405504	1-640550-4	C	14	.35	.32	.30
571-16405506	1-640550-6	C	16	.34	.33	.32
Feed-Thru Dust Covers						
571-6406423	640642-3	D	3	.13	.12	.11
571-6406424	640642-4	D	4	.13	.12	.11
571-6406425	640642-5	D	5	.13	.12	.11
571-6406426	640642-6	D	6	.18	.17	.16
571-6406427	640642-7	D	7	.20	.19	.18
571-6406428	640642-8	D	8	.45	.24	.21
571-6406429	640642-9	D	9	.22	.21	.20
571-16406420	1-640642-0	D	10	.53	.28	.25
571-16406422	1-640642-2	D	12	.28	.25	.24
571-16406424	1-640642-4	D	14	.31	.28	.26
571-16406426	1-640642-6	D	16	.21	.20	.19

Note: No 2 position Feed-Thru Dust Cover available

Keying Plug

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Price Each 1	10	100
571-6419941	641994-1	- - -	.11	.10	.09

Replacement IDC Contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
571-6406361	640636-1	E	22	.11	.10	.09
571-6406371	640637-1	E	24	.11	.10	.09
571-6406382	640638-2	E	26	.11	.10	.09
571-6406391	640639-1	E	28	.11	.10	.09

MTA .156" CONNECTOR ACCESSORIES

Strain Relief Covers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
Closed End Strain Relief Covers						
571-6430672	643067-2	A	2	.24	.22	.21
571-6430673	643067-3	A	3	.82	.74	.70
571-6430674	643067-4	A	4	.86	.78	.73
571-6430675	643067-5	A	5	.86	.78	.73
571-6430676	643067-6	A	6	.77	.69	.65
571-6430677	643067-7	A	7	.87	.78	.74
571-6430678	643067-8	A	8	.87	.79	.75
571-6430679	643067-9	A	9	.88	.79	.74
571-16430670	1-643067-0	A	10	.88	.79	.75
571-16430672	1-643067-2	A	12	.91	.81	.77
571-16430674	1-643067-4	A	14	.81	.73	.69
571-16430676	1-643067-6	A	16	.85	.75	.67
Feed-Thru Strain Relief Covers						
571-6430712	643071-2	B	2	.24	.23	.22
571-6430713	643071-3	B	3	.35	.31	.30
571-6430714	643071-4	B	4	.47	.42	.37
571-6430715	643071-5	B	5	.63	.57	.54
571-6430716	643071-6	B	6	.74	.67	.63
571-6430717	643071-7	B	7	.80	.72	.68
571-6430718	643071-8	B	8	.52	.47	.44
571-6430719	643071-9	B	9	.90	.81	.76
571-16430710	1-643071-0	B	10	.85	.77	.73
571-16430712	1-643071-2	B	12	.86	.77	.73
571-16430714	1-643071-4	B	14	.81	.73	.69
571-16430716	1-643071-6	B	16	.87	.78	.74

Dust Covers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
Closed End Dust Covers						
571-6405512	640551-2	C	2	.15	.14	.13
571-6405513	640551-3	C	3	.16	.15	.14
571-6405514	640551-4	C	4	.17	.16	.15
571-6405515	640551-5	C	5	.20	.19	.18
571-6405516	640551-6	C	6	.28	.22	.20
571-6405517	640551-7	C	7	.29	.25	.22
571-6405518	640551-8	C	8	.26	.24	.23
571-6405519	640551-9	C	9	.35	.31	.27
571-16405510	1-640551-0	C	10	.31	.28	.26
571-16405512	1-640551-2	C	12	.35	.32	.30
571-16405514	1-640551-4	C	14	.21	.20	.19
571-16405516	1-640551-6	C	16	.41	.37	.35
Feed-Thru Dust Covers						
571-6406433	640643-3	D	3	.16	.15	.14
571-6406434	640643-4	D	4	.28	.17	.16
571-6406435	640643-5	D	5	.32	.19	.18
571-6406436	640643-6	D	6	.15	.14	.13
571-6406437	640643-7	D	7	.38	.25	.22
571-6406438	640643-8	D	8	.24	.16	.15
571-6406439	640643-9	D	9	.46	.31	.27
571-16406430	1-640643-0	D	10	.28	.25	.24
571-16406432	1-640643-2	D	12	.32	.28	.27

Note: No 2 position Feed-Thru Dust Cover available

Keying Plug

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Price Each 1	10	100
Flush, used with keyed headers					
571-6406291	640629-1	F	.26	.24	.22

Panel Mount End Caps

For quantities of 500 and up, call for quote.

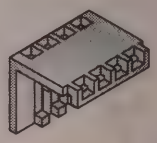
MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
571-6414401	641440-1	G	3/24	.66	.59	.52
571-6415331	641533-1	H	2	.48	.42	.38

Replacement IDC Contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Wire Size (AW)	Price Each 1	10	100
571-6406312	640631-2	E	18	.18	.12	.11
571-6406322	640632-2	E	20	.18	.12	.11

A



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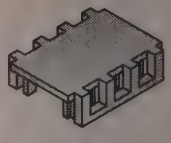

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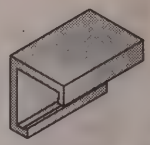

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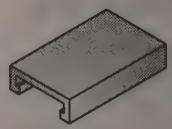

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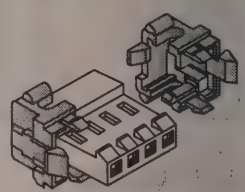
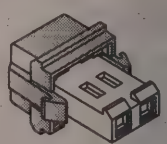


MTA .156 Wire to Post Connector with End Caps Installed

H



MTA .156 Wire to Post Connector with end cap installed

TOOLS FOR MTA CONNECTORS

For quantities of 5 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Description	Pric Eac
571-580741	58074-1	Hand tool pistol grip	55.
571-582461	58246-1	Interchangable head .100" series	109
571-582471	58247-1	Interchangable head, .156" series	109
571-598031	59803-1	"T" handle maint. tool, .100" series	22
571-598041	59804-1	"T" handle maint. tool, .156" series	22
571-584421	58442-1	Interchangeable head .100 (feed thru)	406
571-584431	58443-1	Interchangeable head .156 (feed thru)	362

AMP MTA .156" Series IDC Connectors

tyco Electronics

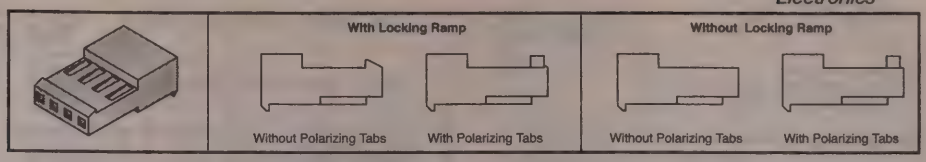
fications:
ge rating: 250VAC
nt rating: 5 Amp max.
evel resistance: 3mΩ max. initial
ating temperature: -55°C to +105°C
ctric withstanding Voltage: 1250VAC/1Min.
tion resistance: 5000MΩ min. initial

al and Finish:
ng: UL94V-2 rated,
V6 and 6/12 nylon
cts: Phosphor bronze,
in plated

res:
o end stackable
cts are lubricated
vent fretting corrosion
Centers

File No. E28476

File No. LR7189



OSED END

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	AMP Part No.	No. of Pos.	Wire Size (AWG)	Color	Price Each 1	10	100
locking ramp and without tabs							
6404262	640426-2	2	18	Orange	.21	.20	.19
6404263	640426-3	3	18	Orange	.38	.25	.20
6404264	640426-4	4	18	Orange	.38	.31	.25
6404265	640426-5	5	18	Orange	.51	.45	.43
6404266	640426-6	6	18	Orange	.24	.23	.22
6404267	640426-7	7	18	Orange	1.02	.92	.81
6404268	640426-8	8	18	Orange	1.24	1.12	1.05
6404269	640426-9	9	18	Orange	1.40	1.26	1.19
16404260	1-640426-0	10	18	Orange	1.61	1.45	1.37
6404272	640427-2	2	20	Yellow	.21	.20	.19
6404273	640427-3	3	20	Yellow	.25	.20	.15
6404274	640427-4	4	20	Yellow	.26	.22	.20
6404275	640427-5	5	20	Yellow	.80	.72	.64
6404276	640427-6	6	20	Yellow	.37	.25	.24
6404277	640427-7	7	20	Yellow	1.02	.92	.81
6404278	640427-8	8	20	Yellow	1.24	1.12	1.06
6404282	640428-2	2	22	Red	.21	.20	.19
6404283	640428-3	3	22	Red	.17	.15	.13
6404284	640428-4	4	22	Red	.20	.19	.18
6404285	640428-5	5	22	Red	.51	.45	.43
6404286	640428-6	6	22	Red	.34	.28	.26
6404287	640428-7	7	22	Red	1.15	1.04	.98
6404288	640428-8	8	22	Red	1.24	1.12	1.05
16404280	1-640428-0	10	22	Red	1.55	1.40	1.32
6404292	640429-2	2	24	Natural	.22	.21	.20
6404293	640429-3	3	24	Natural	.17	.15	.13
6404294	640429-4	4	24	Natural	.26	.24	.20
6404295	640429-5	5	24	Natural	.90	.81	.76
6404296	640429-6	6	24	Natural	.24	.23	.22
6404298	640429-8	8	24	Natural	1.31	1.18	1.12
6404299	640429-9	9	24	Natural	.86	.77	.68
locking ramp and tabs							
6438172	643817-2	2	18	Orange	.37	.33	.27
6438173	643817-3	3	18	Orange	.15	.14	.13
6438174	643817-4	4	18	Orange	.26	.23	.20
6438175	643817-5	5	18	Orange	.80	.72	.64
6438176	643817-6	6	18	Orange	.34	.30	.26
6438177	643817-7	7	18	Orange	1.19	1.07	1.01
6438178	643817-8	8	18	Orange	1.24	1.12	1.05
6438179	643817-9	9	18	Orange	1.52	1.37	1.30
16438170	1-643817-0	10	18	Orange	1.55	1.40	1.32
6438182	643818-2	2	20	Yellow	.22	.21	.20
6438183	643818-3	3	20	Yellow	.25	.23	.21
6438184	643818-4	4	20	Yellow	.26	.23	.20
6438185	643818-5	5	20	Yellow	.80	.72	.64
6438186	643818-6	6	20	Yellow	.34	.30	.26
6438187	643818-7	7	20	Yellow	.49	.44	.42
6438188	643818-8	8	20	Yellow	1.24	1.12	1.05
6438192	643819-2	2	22	Red	.22	.21	.20
6438193	643819-3	3	22	Red	.25	.23	.21
6438194	643819-4	4	22	Red	.26	.23	.20
6438195	643819-5	5	22	Red	.84	.76	.67
6438196	643819-6	6	22	Red	.34	.30	.26
6438197	643819-7	7	22	Red	1.14	1.02	.91
6438198	643819-8	8	22	Red	1.24	1.12	1.05
6438202	643820-2	2	24	Natural	.18	.17	.16
6438203	643820-3	3	24	Natural	.26	.13	.11
6438204	643820-4	4	24	Natural	.26	.23	.20
6438205	643820-5	5	24	Natural	.52	.47	.41
6438206	643820-6	6	24	Natural	.24	.23	.22
out locking ramp and without tabs							
6404312	640431-2	2	18	Orange	.21	.20	.19
6404313	640431-3	3	18	Orange	.25	.20	.15
6404314	640431-4	4	18	Orange	.20	.19	.18
6404315	640431-5	5	18	Orange	.80	.72	.64
6404316	640431-6	6	18	Orange	.34	.30	.25
6404317	640431-7	7	18	Orange	1.12	1.01	.95
6404318	640431-8	8	18	Orange	1.24	1.12	1.06
6404319	640431-9	9	18	Orange	1.30	1.17	1.13
6404332	640433-2	2	22	Red	.21	.20	.19
6404333	640433-3	3	22	Red	.15	.14	.13
6404334	640433-4	4	22	Red	.26	.23	.20
6404335	640433-5	5	22	Red	.80	.72	.64
6404336	640433-6	6	22	Red	.34	.30	.26
6404337	640433-7	7	22	Red	.67	.59	.53
6404338	640433-8	8	22	Red	1.25	1.19	1.13
6404339	640433-9	9	22	Red	1.40	1.26	1.19
16404330	1-640433-0	10	22	Red	1.64	1.47	1.39

FEED-THRU

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	No. of Pos.	Wire Size (AWG)	Color	Price Each 1	10	100
With locking ramps, without tabs							
571-6405992	640599-2	2	18	Orange	.21	.20	.19
571-6405993	640599-3	3	18	Orange	.24	.20	.17
571-6405994	640599-4	4	18	Orange	.27	.22	.20
571-6405995	640599-5	5	18	Orange	.85	.77	.72
571-6405996	640599-6	6	18	Orange	.34	.30	.25
571-6405997	640599-7	7	18	Orange	.80	.72	.69
571-6405998	640599-8	8	18	Orange	1.24	1.12	1.05
571-6405999	640599-9	9	18	Orange	1.40	1.25	1.19
571-16405990	1-640599-0	10	18	Orange	1.55	1.40	1.32
571-6406002	640600-2	2	20	Yellow	.65	.58	.51
571-6406003	640600-3	3	20	Yellow	.25	.20	.18
571-6406004	640600-4	4	20	Yellow	.27	.24	.20
571-6406005	640600-5	5	20	Yellow	.37	.34	.32
571-6406006	640600-6	6	20	Yellow	.34	.30	.25
571-6406007	640600-7	7	20	Yellow	.48	.43	.41
571-6406008	640600-8	8	20	Yellow	.56	.51	.48
571-6406009	640600-9	9	20	Yellow	1.52	1.37	1.30
571-6406012	640601-2	2	22	Red	.47	.42	.40
571-6406013	640601-3	3	22	Red	.24	.20	.17
571-6406014	640601-4	4	22	Red	.27	.22	.19
571-6406015	640601-5	5	22	Red	.73	.66	.62
571-6406016	640601-6	6	22	Red	.34	.30	.25
571-6406017	640601-7	7	22	Red	.48	.43	.41
571-6406018	640601-8	8	22	Red	.55	.49	.46
571-6406019	640601-9	9	22	Red	.86	.77	.68
571-16406010	1-640601-0	10	22	Red	1.64	1.47	1.39
571-6406022	640602-2	2	24	Natural	.17	.15	.14
571-6406023	640602-3	3	24	Natural	.24	.20	.18
571-6406024	640602-4	4	24	Natural	.26	.20	.18
571-6406025	640602-5	5	24	Natural	.37	.34	.32
571-6406026	640602-6	6	24	Natural	.34	.30	.25
571-6406027	640602-7	7	24	Natural	.48	.43	.41
571-6406028	640602-8	8	24	Natural	.55	.49	.46
571-6406029	640602-9	9	24	Natural	.86	.77	.73
571-16406020	1-640602-0	10	24	Natural	.92	.83	.78
With locking ramps and tabs							
571-6444652	644465-2	2	18	Orange	.21	.20	.19
571-6444653	644465-3	3	18	Orange	.24	.21	.19
571-6444654	644465-4	4	18	Orange	.21	.20	.19
571-6444655	644465-5	5	18	Orange	.37	.34	.32
571-6444656	644465-6	6	18	Orange	.34	.30	.26
571-6444657	644465-7	7	18	Orange	.48	.43	.41
571-6444658	644465-8	8	18	Orange	.55	.49	.46
571-6444659	644465-9	9	18	Orange	.86	.77	.73
571-16444650	1-644465-0	10	18	Orange	.92	.83	.78
571-6444662	644466-2	2	20	Yellow	.21	.20	.19
571-6444663	644466-3	3	20	Yellow	.25	.22	.19
571-6444664	644466-4	4	20	Yellow	.27	.24	.21
571-6444665	644466-5	5	20	Yellow	.37	.34	.32
571-6444666	644466-6	6	20	Yellow	.34	.30	.26
571-6444667	644466-7	7	20	Yellow	.49	.44	.42
571-6444668	644466-8	8	20	Yellow	.55	.49	.46
571-6444669	644466-9	9	20	Yellow	.86	.77	.68
571-6444672	644467-2	2	22	Red	.21	.20	.19
571-6444673	644467-3	3	22	Red	.24	.22	.19
571-6444674	644467-4	4	22	Red	.27	.24	.21
571-6444675	644467-5	5	22	Red	.39	.35	.33
571-6444676	644467-6	6	22	Red	.34	.30	.26
571-6444677	644467-7	7	22	Red	.49	.44	.42
571-6444678	644467-8	8	22	Red	.56	.51	.48
571-6444679	644467-9	9	22	Red	.86	.77	.68
571-6444682	644468-2	2	24	Natural	.18	.17	.16
571-6444683	644468-3	3	24	Natural	.19	.18	.17
571-6444684	644468-4	4	24	Natural	.26	.23	.21
571-6444685	644468-5	5	24	Natural	.37	.34	.32
571-6444686	644468-6	6	24	Natural	.24	.23	.22
571-6444687	644468-7	7	24	Natural	.48	.43	.41
571-6444689	644468-9	9	24	Natural	.86	.77	.68
Without locking ramps, without tabs							
571-6406042	640604-2	2	18	Orange	.17	.15	.14
571-6406043	640604-3	3	18	Orange	.24	.21	.19
571-6406044	640604-4	4	18	Orange	.27	.24	.21
571-6406045	640604-5	5	18	Orange	.72	.66	.62
571-6406046	640604-6	6	18	Orange	.34	.30	.26
571-6406047	640604-7	7	18	Orange	.48	.43	.41
571-6406048	640604-8	8	18	Orange	.87	.78	.74
571-6406049	640604-9	9	18	Orange	.86	.77	.68
571-16406040	1-640604-0	10	18	Orange	.95	.85	.76
571-6406062	640606-2	2	22	Red	.16	.15	.14
571-6406063	640606-3	3	22	Red	.20	.19	.18
571-6406064	640606-4	4	22	Red	.27	.24	.21
571-6406065	640606-5	5	22	Red	.37	.34	.32
571-6406066	640606-6	6	22	Red	.24	.23	.22
571-6406067	640606-7	7	22	Red	.49	.44	.42
571-6406068	640606-8	8	22	Red	.56	.51	.48
571-6406069	640606-9	9	22	Red	.86	.77	.68
571-16406060	1-640606-0	10	22	Red	.92	.83	.78

FLAT HEADERS

File No. E28476 File No. LR7189

Material and Finish:
- Housing: UL94V-0 rated, polyester, natural color
- Posts: Copper alloy, tin plated

Straight, Square Posts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
571-6403832	640383-2	A	2	.25	.22	.19
571-6403833	640383-3	A	3	.53	.41	.36
571-6403834	640383-4	A	4	.31	.28	.27
571-6403835	640383-5	A	5	.39	.35	.33
571-6403837	640383-7	A	7	.51	.46	.43
571-6403838	640383-8	A	8	.57	.51	.45
571-16403830	1-640383-0	A	10	.71	.64	.57
571-16403832	1-640383-2	A	12	.86	.77	.68
571-16403834	1-640383-4	A	14	.75	.67	.64
571-16403836	1-640383-6	A	16	.95	.86	.81

Straight, Round Posts

- Tin plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
571-6403843	640384-3	A	3	.24	.21	.18
571-6403844	640384-4	A	4	.60	.54	.48
571-6403845	640384-5	A	5	.39	.35	.33
571-6403846	640384-6	A	6	.62	.56	.53
571-16403840	1-640384-0	A	10	1.37	1.23	1.09
571-16403844	1-640384-4	A	14	.70	.60	.55
571-16403846	1-640384-6	A	16	1.00	.92	.87

Right Angle, Square Posts

- Tin plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
571-6403853	640385-3	B	3	.13	.12	.11
571-6403854	640385-4	B	4	.15	.14	.13
571-6403856	640385-6	B	6	.21	.19	.17
571-6403857	640385-7	B	7	.19	.18	.17
571-6403858	640385-8	B	8	.33	.31	.25
571-16403850	1-640385-0	B	10	.33	.25	.23
571-16403852	1-640385-2	B	12	.40	.33	.31
571-16403854	1-640385-4	B	14	.90	.80	.72
571-16403856	1-640385-6	B	16	1.84	1.65	1.56

FRICTION LOCK HEADERS

Material and Finish:
- Housing: UL94V-0 rated, polyester, natural color
- Posts: Copper alloy, tin plated

Right Angle, Square Posts, Rear Bend

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
571-6403872	640387-2	C	2	.60	.54	.48
571-6403873	640387-3	C	3	.47	.42	.37
571-6403874	640387-4	C	4	.85	.76	.68
571-6403876	640387-6	C	6	1.30	1.17	1.11
571-6403877	640387-7	C	7	1.00	.90	.80
571-6403878	640387-8	C	8	1.14	1.02	.91
571-6403879	640387-9	C	9	.96	.87	.82
571-16403870	1-640387-0	C	10	1.02	.92	.87
571-16403872	1-640387-2	C	12	1.65	1.49	1.41
571-16403874	1-640387-4	C	14	2.02	1.82	1.72
571-16403876	1-640387-6	C	16	2.75	2.48	2.35

Right Angle, Square Posts, Front Bend

- Tin plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
571-6403892	640389-2	D	2	.31	.28	.27
571-6403893	640389-3	D	3	.47	.42	.37
571-6403894	640389-4	D	4	.63	.56	.50
571-6403895	640389-5	D	5	.79	.70	.62
571-6403896	640389-6	D	6	.86	.77	.68
571-6403897	640389-7	D	7	1.01	.91	.86
571-6403898	640389-8	D	8	1.14	1.02	.91
571-6403899	640389-9	D	9	1.29	1.15	1.02
571-16403890	1-640389-0	D	10	1.38	1.24	1.18
571-16403892	1-640389-2	D	12	1.65	1.49	1.41
571-16403894	1-640389-4	D	14	1.93	1.74	1.64

FRICTION LOCK HEADERS

File No. E28476 File No. LR7189

Right Angle, Square Posts, Front Bend

- Gold over nickel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
571-6412102	641210-2	D	2	.76	.68	.65
571-6412103	641210-3	D	3	.98	.88	.83
571-6412104	641210-4	D	4	1.26	1.14	1.08
571-6412105	641210-5	D	5	1.53	1.38	1.30
571-6412106	641210-6	D	6	1.85	1.67	1.57
571-6412107	641210-7	D	7	2.22	2.00	1.89
571-6412108	641210-8	D	8	2.35	2.11	2.00
571-16412102	1-641210-2	D	12	3.51	3.15	2.98
571-16412104	1-641210-4	D	14	5.27	4.74	4.48

Material and Finish:
- Housing: UL94V-0 rated, polyester, natural color
- Posts: Copper alloy, tin plated or gold over nickel

Straight, Square Posts

- Tin plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
571-6404452	640445-2	E	2	.12	.11	.10
571-6404453	640445-3	E	3	.13	.12	.11
571-6404454	640445-4	E	4	.15	.14	.13
571-6404455	640445-5	E	5	.18	.16	.15
571-6404456	640445-6	E	6	.18	.17	.16
571-6404457	640445-7	E	7	.19	.18	.17
571-6404458	640445-8	E	8	.29	.25	.23
571-6404459	640445-9	E	9	.86	.77	.68
571-16404450	1-640445-0	E	10	.33	.25	.23
571-16404452	1-640445-2	E	12	.28	.26	.25
571-16404454	1-640445-4	E	14	1.20	1.08	.96
571-16404456	1-640445-6	E	16	1.84	1.65	1.56

Straight, Square Posts

- Gold over nickel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
571-6412082	641208-2	E	2	.68	.61	.57
571-6412083	641208-3	E	3	.86	.77	.73
571-6412084	641208-4	E	4	1.12	1.01	.95
571-6412085	641208-5	E	5	1.40	1.26	1.20
571-6412086	641208-6	E	6	1.61	1.53	1.45
571-6412087	641208-7	E	7	.97	.87	.83
571-6412088	641208-8	E	8	2.24	2.02	1.91
571-6412089	641208-9	E	9	2.67	2.40	2.27
571-16412080	1-641208-0	E	10	2.80	2.52	2.38
571-16412082	1-641208-2	E	12	3.35	3.02	2.85
571-16412084	1-641208-4	E	14	5.48	4.93	4.66
571-16412086	1-641208-6	E	16	5.89	5.30	5.01

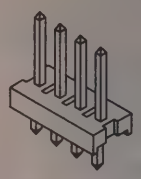
Straight, Round Posts

- Tin plated

For quantities of 500 and up, call for quote.

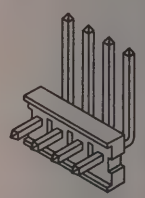
MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each 1	10	100
571-6403882	640388-2	E	2	.12	.11	.10
571-6403883	640388-3	E	3	.13	.12	.11
571-6403884	640388-4	E	4	.14	.12	.10
571-6403885	640388-5	E	5	.18	.16	.15
571-6403886	640388-6	E	6	.21	.19	.17
571-6403887	640388-7	E	7	.21	.19	.17
571-6403888	640388-8	E	8	.29	.25	.22
571-6403889	640388-9	E	9	.86	.77	.68
571-16403880	1-640388-0	E	10	.33	.25	.23
571-16403882	1-640388-2	E	12	.40	.35	.30
571-16403884	1-640388-4	E	14	.90	.80	.72
571-16403886	1-640388-6	E	16	1.84	1.65	1.57

A



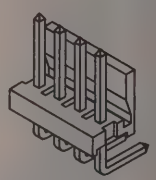
Square Posts Shown

B



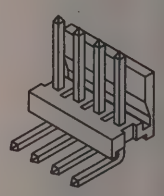
Square Posts Shown

C



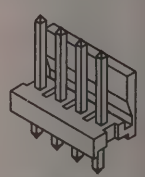
Square Posts, Rear Bend

D

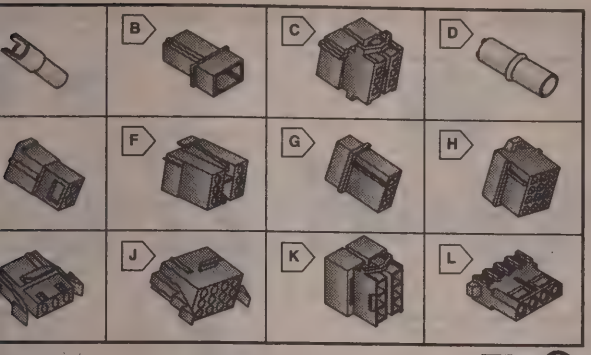


Square Posts Shown, Front Bend

E



Square Posts Shown



e:
olarized UL 94V-2 housings, nylon
l design locking devices
ctors can be panel mounted to .025" - .065" panels
ts accept wire size range 24-14AWG

Specifications:
- Current rating: 7A
- Voltage rating: 300V
- Operating temperature: -20°C to +105°C

E28476 LR16476

Mount Also

langing Pin Housing

For quantities of 1000 and up, call for quote.

USER CK NO.	Fig.	No. of Circuits	Housing Type	Price Each 1	50	100
4803500	A	1	Detent lock	.14	.13	.12
4803510	A	1	Positive lock	.14	.13	.12
4803190	B	2	In-line version	.12	.11	.10
4803050	G	3	In-line, detent lock	.19	.17	.15
4804260	G	4	In-line, detent lock	.23	.20	.18
4803400	C	6	Dual row, positive lock	.36	.33	.31
4803450	C	8	Dual row, positive lock	.62	.59	.56
4803390	C	10	Dual row, positive lock	.74	.67	.63

langing Socket Housing

4803490	D	1	In-line	.13	.12	.11
4807200	E	2	In-line, positive lock	.33	.28	.25
4803180	E	2	In-line	.13	.12	.11
4807210	E	3	In-line, positive lock	.66	.57	.53
4803030	E	3	In-line	.19	.17	.16
4807220	E	4	In-line, positive lock	.77	.74	.70
4804240	E	4	In-line	.19	.17	.16
7708271	E	4	In-line, detent lock; UL94V-O	.31	.27	.25
4802700	F	6	Dual row, positive lock	.37	.31	.29
4802830	F	8	Dual row, positive lock	.39	.35	.31
4802850	F	10	Dual row, positive lock	.80	.76	.72
4802870	F	12	Dual row, positive lock	1.02	.92	.87
4804380	F	16	Dual row, positive lock	1.38	1.25	1.11

Mount Pin Housing

4803050	G	3	In-line, detent lock	.19	.17	.15
4804260	G	4	In-line, detent lock	.23	.20	.18
4802760	H	6	Matrix, positive lock	.35	.29	.28
4802770	H	9	Matrix, positive lock	.81	.73	.69
4802780	H	12	Matrix, positive lock	.93	.84	.74
4803240	H	15	Matrix, positive lock	1.20	1.08	.96

Mount Socket Housing

4803040	I	3	In-line version	.21	.19	.17
4804250	I	4	In-line version	.55	.53	.50
4802730	J	6	Matrix version	.74	.67	.60
4802740	J	9	Matrix version	.85	.81	.77
4802750	J	12	Matrix version	1.02	.92	.87
4803230	J	15	Matrix version	1.35	1.22	1.16

Mount Pin Housing

4802710	K	6	Dual row, positive lock	.83	.69	.63
4802840	K	8	Dual row, positive lock	1.06	.95	.90
4802860	K	10	Dual row, positive lock	1.21	1.09	1.03
4802880	K	12	Dual row, positive lock	1.38	1.25	1.11
4804390	K	16	Dual row, positive lock	1.06	.95	.85

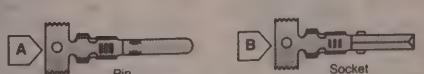
Mount Socket Housing

4802700	F	6	Dual row, positive lock	.37	.31	.29
4802830	F	8	Dual row, positive lock	.39	.35	.31
4802850	F	10	Dual row, positive lock	.80	.76	.72
4802870	F	12	Dual row, positive lock	1.02	.92	.87
4804380	F	16	Dual row, positive lock	1.38	1.25	1.11

TACTS

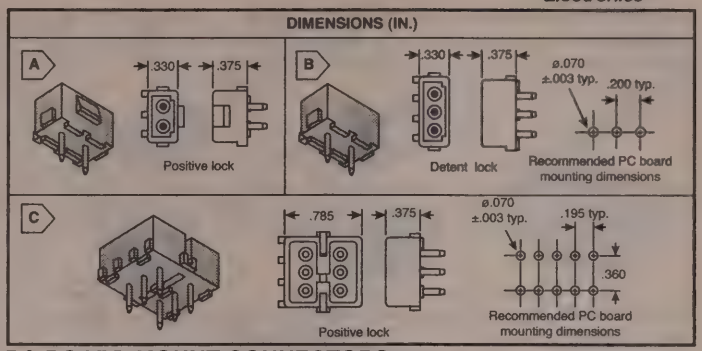
lo be used in Commercial
LOK Housings only.

e:
l: brass
gth: .805"
length: .695"



For quantities of 1000 and up, call for quote.

USER CK NO.	Fig.	Description	Finish	Price Each 1	100	500
06201	A	Pin 20-14AWG	Tin	.13	.12	.11
06181	A	Pin 24-18AWG	Tin	.13	.12	.11
06185	A	Pin 24-18AWG	Gold	.79	.58	.56
06191	B	Socket 20-14AWG	Tin	.13	.12	.11
06171	B	Socket 24-18AWG	Tin	.13	.12	.11



PC BOARD MOUNT CONNECTORS

Features:
- Fully polarized UL94V-2 housings
- Integral design locking devices
- Contacts: Pre-tin plated phosphor bronze
- Housing: Nylon

LR16455-38 E28476

Vertical Pin Headers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Housing Type	No. of Circuits	Mates With	Price Each 1	50	100
For Use With .062" PCB Thickness, Standard Tail							
571-3505391	A	In-line, positive lock	2	571-14807200	.41	.34	.33
571-3502091	B	In-line, detent lock	2	571-14803180	.31	.26	.25
571-3505411	A	In-line, positive lock	3	571-14807210	1.08	.96	.92
571-3502101	B	In-line, detent lock	3	571-14803030	.49	.41	.37
571-3505431	A	In-line, positive lock	4	571-14807220	.93	.74	.70
571-3502111	B	In-line, detent lock	4	571-14804240	.46	.38	.35
571-13809990	C	Dual row, positive lock	6	571-14802700	.63	.53	.47
571-3502121	C	Dual row, positive lock	8	571-14802830	.73	.62	.56
571-13809910	C	Dual row, positive lock	10	571-14802850	.90	.81	.77
571-3502131	C	Dual row, positive lock	12	571-14802870	1.95	1.75	1.66
571-3502141	C	Dual row, positive lock	16	571-14804380	2.40	2.17	2.05
For Use With .125" PCB Thickness, Long Tail							
571-3504241	B	In-line, detent lock	4	571-14804240	.86	.77	.73

Vertical Socket Headers

- Housing: UL94V-2 Nylon
- Contacts: Phosphor bronze

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Housing Type	No. of Contacts	Mates With	Price Each 1	50	100
571-7709971	In-Line	4	571-14804260	.87	.83	.75

Insulation Displacement Connectors (IDC) 4 Circuit In-Line

- Housing: Nylon, UL94V-2
- Contact: Phosphor bronze
- Finish: Pre-tin
- Mates with 571-14804260, 571-3502111, 571-3504241

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size AWG	Color	Housing Type	Price Each 1	50	100
571-7701564	L	20	Yellow	In-line version	.48	.39	.38
571-7701563	L	18	Orange	In-line version	.48	.39	.38

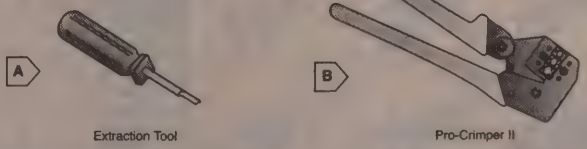
Dust Covers

- Housing: Polyester, white color, UL94V-2

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each 1	50	100
571-7702321	For feed to wiring applications	.17	.16	.15
571-7702331	For feed through wiring applications	.16	.15	.14

TOOLS

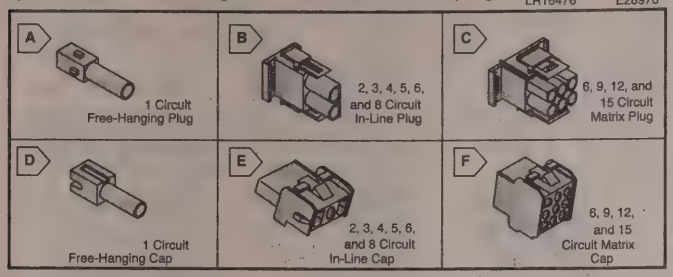


MOUSER STOCK NO.	Fig.	Description	Price Each
571-4656441	A	Contact extraction tool	14.36
571-905741	B	24-18 AWG Pro-Crimper II	162.00
571-905751	B	20-14 AWG Pro-Crimper II	162.00
571-580741	- - -	Manual handle w/o head for IDC	55.50
571-2318941	- - -	Head (IDC) w/o tool	1211.00

UNIVERSAL MATE-N-LOK CONNECTORS

Specifications: • Current rating is 15A • .250" contact center spacing

LR16476 E28976


A
1 Circuit Free-Hanging Plug
B
2, 3, 4, 5, 6, and 8 Circuit In-Line Plug
C
6, 9, 12, and 15 Circuit Matrix Plug
D
1 Circuit Free-Hanging Cap
E
2, 3, 4, 5, 6, and 8 Circuit In-Line Cap
F
6, 9, 12, and 15 Circuit Matrix Cap

Plug Housings • UL94V-2 Nylon

MOUSER STOCK NO.	Fig.	No. of Circuits	Price Each 1	50	100
571-13508670	A	1	.14	.11	.09
571-14806980	B	2	.22	.17	.14
571-14807000	B	3	.22	.17	.14
571-14807020	B	4	.24	.19	.15
571-14807630	B	5	.29	.23	.18
571-6405851	B	6	.58	.44	.34
571-14807040	C	6	.29	.22	.17
571-6405861	B	8	.87	.83	.79
571-14807060	C	9	.32	.25	.20
571-14807080	C	12	.37	.29	.23
571-14807100	C	15	.55	.42	.32

Cap Housings • UL 94V-2 Nylon

MOUSER STOCK NO.	Fig.	No. of Circuits	Price Each 1	50	100
571-7704211	D	1	.14	.11	.09
571-14806990	E	2	.20	.16	.14
571-14807010	E	3	.23	.18	.14
571-14807030	E	4	.24	.18	.14
571-14807640	E	5	.33	.26	.20
571-14807050	F	6	.27	.21	.17
571-14807070	F	9	.29	.23	.18
571-14807090	F	12	.33	.26	.20
571-14807110	F	15	.48	.37	.29

Plug Housings • UL94V-0 White

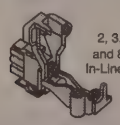
MOUSER STOCK NO.	Fig.	No. of Circuits	Price Each 1	50	100
571-3508651	A	1	.31	.30	.28
571-3507771	B	2	.39	.30	.24
571-3507661	B	3	.38	.29	.23
571-3507791	B	4	.40	.31	.24
571-3508091	B	5	.42	.33	.25
571-6405811	B	6	.68	.61	.54
571-3507151	C	6	.57	.44	.34
571-6405821	B	8	.77	.59	.45
571-3507201	C	9	.49	.38	.30
571-3507351	C	12	.47	.42	.40
571-3507361	C	15	.60	.54	.51

Cap Housings • UL94V-0 White

MOUSER STOCK NO.	Fig.	No. of Circuits	Price Each 1	50	100
571-3508661	D	1	.30	.29	.28
571-3507781	E	2	.45	.35	.27
571-3507671	E	3	.46	.35	.27
571-3507801	E	4	.50	.39	.30
571-3508101	E	5	.52	.40	.35
571-9263073	E	6	1.75	1.59	1.41
571-3507821	F	9	.45	.41	.36
571-3507831	F	12	.56	.49	.44
571-3507841	F	15	1.21	1.09	1.03

STRAIN RELIEFS

Strain relief part number represents one-half of a strain relief. Two pieces must be ordered to make a complete housing.



LR16476

2, 3, 4, 5, 6, & 8 Circuit In-Line E28976

MOUSER STOCK NO.	UL Rating	Price Each 1	50
571-3508111	UL94V-0	.63	.56

6, 9,12, & 15 Circuit Matrix

571-13505900	UL94V-2	.68	.61
571-3508121	UL94V-0	.75	.68

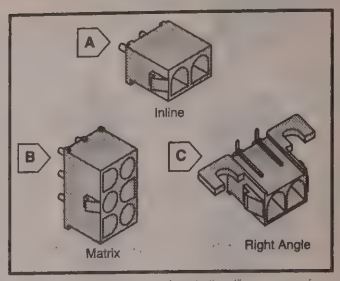
UL 94V-0 Inline Enclosed

MOUSER STOCK NO.	No. of Circuits	Price Each 1	50	100
571-6407131	2	1.18	1.06	1.00
571-6407141	3	1.16	.89	.69
571-6417761	4	1.21	1.03	.97
571-6430301	5	1.23	1.04	.98
571-6433131	6	1.24	1.06	.99

UL 94V-0 Matrix Enclosed

571-6407151	6	1.19	.91	.71
571-6407161	9	1.23	.95	.73
571-6407171	12	1.26	1.14	1.07
571-6407181	15	1.37	1.06	.82

UNIVERSAL MATE-N-LOK CONNECTORS - PCB MOUNT



LR16476 E28976

* Indicated items are gold plated in contact area, all others are tin plated

Features:
- Pin or socket contacts included
- Phosphor bronze contacts
- .062 PCB thickness
- Contacts: tin or gold plated

Specifications:
- 500VAC voltage rating
- Up to 15A current rating (using 14AWG wire)

Vertical Pin Headers • UL94V-0 White

MOUSER STOCK NO.	Fig.	No. of Circuits	Price Each 1	50	100
571-3507861	A	2	.57	.43	.34
571-3507891	A	3	.69	.53	.41
571-3507921	A	4	.81	.63	.48
571-6418281	A	8	1.06	.95	.90
571-3507111	B	6	1.00	.90	.84
571-3507121	B	9	.93	.84	.79
571-3507141	B	15	1.41	1.27	1.13

Vertical Socket Headers • UL94V-2 Nylon

For quantities of 500 and up, call for quote.

571-3507594	A	2	.40	.38	.36
571-3507604	A	3	.68	.63	.58
571-3507614	A	4	.52	.39	.31
571-3507624	B	6	.63	.56	.50
571-3507654	B	15	2.14	1.81	1.71

Vertical Pin Headers • UL94V-2 Nylon

MOUSER STOCK NO.	Fig.	No. of Circuits	Price Each 1	50
571-3504281	A	2	.34	.27
571-3504291	A	3	.44	.34
571-3504301	A	4	.58	.44
571-6404661	A	5	.66	.59
571-6418321	A	6	1.52	1.37
571-6418251	A	8	1.60	1.52
571-3504311	B	6	.56	.43
571-3504321	B	9	.77	.69
* 571-3504331	B	12	.90	.81
571-3504341	B	15	1.01	.89

Vertical Socket Headers • UL94V-0 White

MOUSER STOCK NO.	Fig.	No. of Circuits	Price Each 1	50
571-3508241	A	2	.81	.69
571-3508251	A	4	.87	.68
571-3508271	B	6	.89	.77
571-3508281	B	9	.99	.87
571-3508291	B	12	1.32	1.18

Right Angle Pin Headers • UL94V-0 White

MOUSER STOCK NO.	Fig.	No. of Circuits	Price Each 1	50
571-13509420	C	2	1.05	.95
571-13509430	C	3	1.07	.96
571-13509440	C	4	1.09	.98
571-6405831	C	6	2.01	1.80
571-6405841	C	8	2.15	1.92

CONTACTS

Features:
- Pin length: .805"
- Socket length: .695"
- For use with Universal Mate-N-Lok Housings only

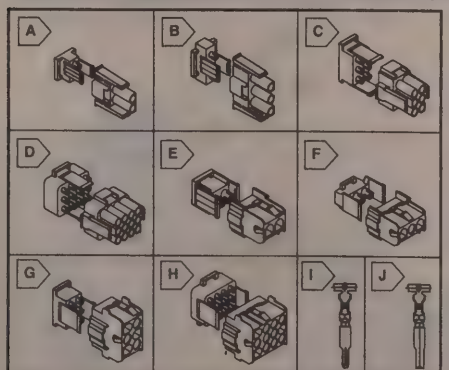
MOUSER STOCK NO.	Fig.	Wire Gauge	Description	Price Each 1	100	5
571-3505471	A	20-14 AWG	Pin, brass/ pre-tin	.12	.11	.1
571-3505472	A	20-14 AWG	Pin, brass/ gold	.70	.67	.6
571-3505477	A	20-14 AWG	Pin, brass/ select gold	.32	.30	.2
571-3505473	A	20-14 AWG	Pin, phos. brz./ pre-tin	.15	.14	.1
571-3506901	A	24-18 AWG	Pin, brass/ pre-tin	.12	.11	.1
571-3505501	B	20-14 AWG	Socket, brass/ pre-tin	.12	.11	.1
571-3506891	B	24-18 AWG	Socket, brass/ pre-tin	.11	.10	.0

TOOLS

For quantities greater than listed, call for q

MOUSER STOCK NO.	Description	Price Each
571-58530-1	12-10 AWG Pro-Crimper	170.00
571-905481	24-18 AWG Pro-Crimper II	187.50
571-905461	20-14 AWG Pro-Crimper II	187.50
571-4558301	Contact insertion tool	21.74
571-3188511	Contact extraction tool	43.99

UNIVERSAL MATE-N-LOK II CONNECTORS



AMP MATE-N-LOK II Connectors offer the ultimate reliability in a softshell connector. They are designed for use where repair or replacement would difficult. Available in 2-15 circuit sizes for free hanging or panel mount applications. Connectors consist of a front and rear housing section. Contact are enclosed for shock protection. Terminals use "F" crimp termination.

Connectors

MOUSER STOCK NO.	Fig.	No. of Circuits	Price Each 1	50	100
Pin Housings					
571-7700171	A	2	.47	.43	.40
571-7700181	B	3	.70	.54	.41
571-7700191	B	4	.59	.53	.50
571-7700201	C	6	.67	.60	.57
571-7700211	D	9	.95	.74	.57
571-7700221	D	12	1.41	1.34	1.27
571-7700231	D	15	1.02	.99	.94
Socket Housings					
571-7700241	E	2	.48	.44	.41
571-7700251	F	3	.58	.52	.49
571-7700261	F	4	.63	.56	.53
571-7700271	G	6	.66	.59	.56
571-7700281	H	9	.70	.63	.60
571-7700291	H	12	1.36	1.29	1.22
571-7700301	H	15	1.02	.87	.79

Contacts

For quantities of 1000 and up, call for q

MOUSER STOCK NO.	Fig.	Wire AWG	I.D. Range (In.)	Contact Material	Contact Plating	Price Each 1	100	5
Pin Contacts								
571-7702521	I	24-18	.040 - .100	Brass	Tin	.17	.14	.1
571-7702501	I	20-14	.060 - .130	Brass	Tin	.17	.14	.1
571-7702502	I	20-14	.060 - .130	Brass	Gold	.69	.58	.4
571-7702481	I	20-14	.130 - .200	Brass	Tin	.22	.16	.1
571-7702463	I	12-10	.200 max.	Phos. bronze	Tin	.24	.23	.2
Socket Contacts								
571-7702533	J	24-18	.040 - .100	Phos. bronze	Tin	.20	.16	.1
571-7702534	J	24-18	.040 - .100	Phos. bronze	Gold	.94	.83	.7
571-7702513	J	20-14	.060 - .130	Phos. bronze	Tin	.21	.16	.1
571-7702514	J	20-14	.060 - .130	Phos. bronze	Gold	.82	.80	.7
571-7702493	J	20-14	.130 - .200	Phos. bronze	Tin	.26	.19	.1

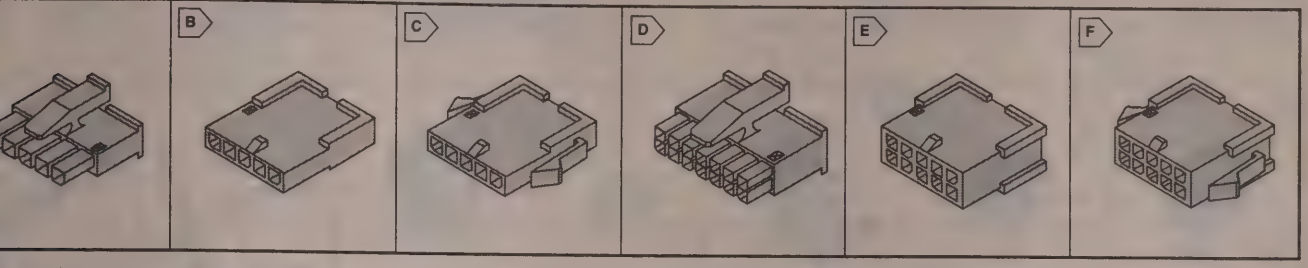
MP Universal Micro Mate-N-Lok 3.00mm Connector System

tyco Electronics

rm factor for space considerations
d reliability and normal force
or SMT processing
s for proper mating of housings

Features:
- 3mm Pitch
- Dual Beam Contact Design
- Wire-to-Board connector system

Specifications:
- Housing: Nylon, Black, UL94V-0
- Contacts: Brass (Plug); Phosphor Bronze (Receptacle)
- Voltage Rating: 250V
- Current Rating: 5A max.
- Contact Resistance: 20 m max.
- Temperature: -40°C to +105°C



LE ROW CONNECTOR SYSTEM

acle Housings

For quantities of 500 and up, call for quote.

USER CK NO.	AMP Part No.	Fig.	No. of Positions	Price Each 1	25	50	100	250
450222	1445022-2	A	2	.25	.24	.23	.22	.21
450223	1445022-3	A	3	.29	.28	.27	.26	.25
450224	1445022-4	A	4	.31	.30	.29	.28	.27
450225	1445022-5	A	5	.37	.33	.32	.31	.30
450226	1445022-6	A	6	.42	.40	.38	.37	.36
450227	1445022-7	A	7	.46	.41	.38	.37	.36
450228	1445022-8	A	8	.50	.44	.42	.40	.39
450229	1445022-9	A	9	.58	.52	.49	.46	.43
4450220	1-1445022-0	A	10	.56	.51	.48	.45	.44
4450221	1-1445022-1	A	11	.61	.55	.52	.49	.47
4450222	1-1445022-2	A	12	.71	.64	.60	.57	.53

ousings - Free Hanging

For quantities of 500 and up, call for quote.

450492	1445049-2	B	2	.26	.25	.24	.23	.22
450493	1445049-3	B	3	.29	.28	.27	.26	.25
450494	1445049-4	B	4	.33	.31	.30	.29	.28
450495	1445049-5	B	5	.37	.33	.32	.31	.30
450496	1445049-6	B	6	.41	.37	.36	.35	.34
450497	1445049-7	B	7	.49	.44	.41	.39	.37
450498	1445049-8	B	8	.53	.48	.45	.42	.40
450499	1445049-9	B	9	.57	.52	.49	.46	.43
4450490	1-1445049-0	B	10	.62	.56	.52	.49	.46
4450491	1-1445049-1	B	11	.72	.64	.61	.57	.54
4450492	1-1445049-2	B	12	.76	.69	.65	.61	.57

ousings - Panel Mount

For quantities of 500 and up, call for quote.

450482	1445048-2	C	2	.26	.25	.24	.23	.22
450483	1445048-3	C	3	.29	.28	.27	.26	.25
450484	1445048-4	C	4	.33	.30	.29	.28	.27
450485	1445048-5	C	5	.37	.33	.32	.31	.30
450486	1445048-6	C	6	.41	.37	.36	.35	.34
450487	1445048-7	C	7	.49	.44	.41	.39	.37
450488	1445048-8	C	8	.49	.44	.41	.39	.38
450489	1445048-9	C	9	.57	.52	.49	.46	.43
4450480	1-1445048-0	C	10	.57	.52	.48	.45	.44
4450481	1-1445048-1	C	11	.72	.64	.61	.57	.54
4450482	1-1445048-2	C	12	.76	.69	.65	.61	.57

DUAL ROW CONNECTOR SYSTEM

Receptacle Housings

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each 1	25	50	100	250
571-7946172	794617-2	D	2	.24	.23	.22	.21	.20
571-7946174	794617-4	D	4	.26	.25	.24	.23	.22
571-7946176	794617-6	D	6	.29	.28	.27	.26	.25
571-794617-8	794617-8	D	8	.32	.29	.28	.27	.26
571-17946170	1-794617-0	D	10	.35	.32	.31	.30	.29
571-17946172	1-794617-2	D	12	.45	.40	.38	.37	.36
571-17946174	1-794617-4	D	14	.48	.44	.41	.39	.38
571-17946176	1-794617-6	D	16	.46	.41	.39	.37	.36
571-17946178	1-794617-8	D	18	.51	.45	.43	.42	.41
571-27946170	2-794617-0	D	20	.64	.58	.55	.52	.50
571-27946174	2-794617-4	D	24	.78	.70	.66	.62	.60

Plug Housings - Free Hanging

For quantities of 500 and up, call for quote.

571-7946162	794616-2	E	2	.27	.26	.25	.24	.23
571-7946164	794616-4	E	4	.33	.30	.29	.28	.27
571-7946166	794616-6	E	6	.44	.40	.38	.36	.33
571-7946168	794616-8	E	8	.49	.44	.42	.39	.38
571-17946160	1-794616-0	E	10	.57	.51	.48	.45	.44
571-17946162	1-794616-2	E	12	.71	.63	.59	.56	.55
571-17946164	1-794616-4	E	14	.78	.70	.67	.63	.61
571-17946166	1-794616-6	E	16	.87	.78	.74	.69	.67
571-17946168	1-794616-8	E	18	.95	.86	.81	.76	.74
571-27946160	2-794616-0	E	20	1.13	1.02	.96	.91	.85
571-27946162	2-794616-2	E	22	1.34	1.20	1.14	1.07	1.00
571-27946164	2-794616-4	E	24	1.31	1.18	1.12	1.05	1.03

Plug Housings - Panel Mount

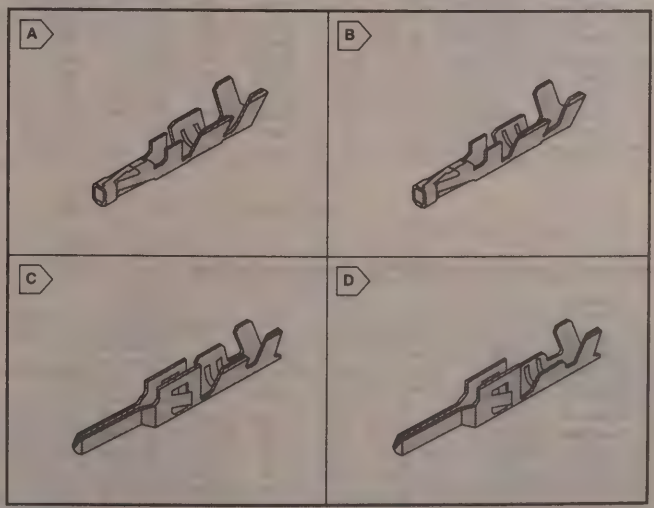
For quantities of 500 and up, call for quote.

571-7946152	794615-2	F	2	.27	.25	.24	.23	.22
571-7946154	794615-4	F	4	.33	.31	.30	.29	.28
571-7946156	794615-6	F	6	.41	.37	.35	.34	.33
571-7946158	794615-8	F	8	.53	.48	.45	.42	.41
571-17946150	1-794615-0	F	10	.61	.55	.52	.49	.48
571-17946152	1-794615-2	F	12	.71	.63	.59	.56	.55
571-17946154	1-794615-4	F	14	.78	.70	.67	.62	.60
571-17946156	1-794615-6	F	16	.94	.85	.80	.75	.71
571-17946158	1-794615-8	F	18	1.03	.93	.88	.83	.78
571-27946150	2-794615-0	F	20	1.13	1.02	.96	.90	.85
571-27946152	2-794615-2	F	22	1.34	1.20	1.14	1.07	1.00
571-27946154	2-794615-4	F	24	1.31	1.18	1.12	1.05	..98

TACTS

For quantities of 2000 and up, call for quote.

USER CK NO.	AMP Part No.	Fig.	AWG	Plating	Price Each 1	100	500	1000
s								
46101	794610-1	A	20-24	Tin	.13	.12	.11	.10
46102	794610-2	A	20-24	15u" Gold	.14	.13	.12	.11
46103	794610-3	A	20-24	30u" Gold	.17	.16	.15	.14
46111	794611-1	B	26-30	Tin	.13	.12	.11	.10
46112	794611-2	B	26-30	15u" Gold	.14	.13	.12	.11
46113	794611-3	B	26-30	30u" Gold	.17	.16	.15	.14
46121	794612-1	C	20-24	Tin	.13	.12	.11	.10
46122	794612-2	C	20-24	15u" Gold	.14	.13	.12	.11
46123	794612-3	C	20-24	30u" Gold	.17	.16	.15	.14
46131	794613-1	D	26-30	Tin	.13	.12	.11	.10
46132	794613-2	D	26-30	15u" Gold	.14	.13	.12	.11
46133	794613-3	D	26-30	30u" Gold	.18	.17	.16	.15



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For quantities of 10 and up, call for quote.

ISER K NO.	AMP Part No.	AWG	Description	Price Each 1	5
5011	91501-1	20-24	Hand Tool & Die	562.40	473.60
5021	91502-1	26-30	Hand Tool & Die	562.40	473.60
3996-6	843996-6	- - -	Extraction Tool	62.00	49.60

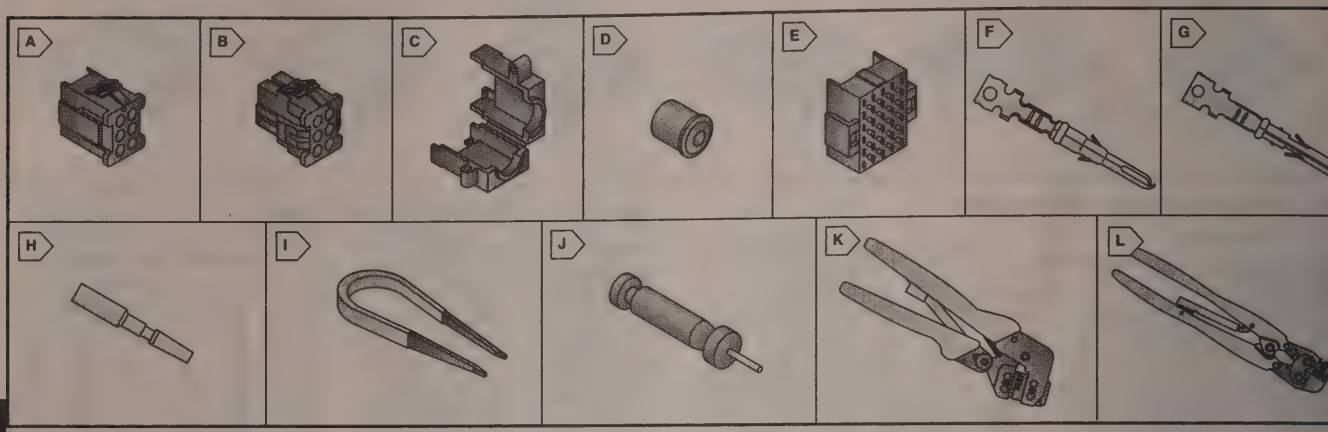
AMP (MR) Miniature Rectangular Connectors

tyco Electronics

The (MR) Series connector family consists of UL94V-0, soft shell nylon housings, contacts, strain reliefs, and PCB headers. Housings lock to prevent accidental disengagement and are designed for free-hanging or panel mount applications. Socket housing utilize an egg crate design, fully enclosing socket contacts reducing shock hazard. High density design is achieved through .165" contact centerline spacing.

Features:
- Positive lock design
- Protected contacts reduce shock hazard
- Polarized for proper mating
- Numbered cavities simplify circuit identification

Specifications:
- .165" contact centerline spacing
- 26-18AWG wire size
- UL94V-0 flammability rating
- UL Recognized, CSA Certified



AMP PIN HOUSINGS (CAP)

- .165" Centerline Spacing
- UL94V-0
- Free Hanging or Panel Mount
- Nylon, Natural Color - Brick Red

(Order contacts separately) **For quantities of 2000 and up, call for quote.**

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Price Each 1	10	100	500	1000
571-16405070	1-640507-0	A	2	In-line	.33	.31	.30	.29	.28
571-16405080	1-640508-0	A	3	In-line	.51	.46	.44	.41	.40
571-16405090	1-640509-0	A	4	Matrix	.55	.50	.47	.44	.42
571-16405100	1-640510-0	A	6	Matrix	.63	.56	.53	.50	.49
571-16405110	1-640511-0	A	9	Matrix	.67	.60	.57	.54	.50
571-16405120	1-640512-0	A	12	Matrix	.75	.67	.64	.60	.56
571-16405130	1-640513-0	A	15	Matrix	.82	.74	.70	.66	.62
571-16405140	1-640514-0	A	20	Matrix	1.30	1.18	1.11	1.05	.98
571-16405150	1-640515-0	A	24	Matrix	1.38	1.25	1.18	1.11	1.04

AMP SOCKET HOUSINGS (PLUG)

- .165" Centerline Spacing
- UL94V-0
- Free Hanging or Panel Mount
- Nylon, Natural Color - Brick Red

(Order contacts separately) **For quantities of 2000 and up, call for quote.**

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Price Each 1	10	100	500	1000
571-16405170	1-640517-0	B	2	In-line	.25	.24	.23	.22	.21
571-16405180	1-640518-0	B	3	In-line	.51	.46	.43	.40	.38
571-16405190	1-640519-0	B	4	Matrix	.50	.43	.41	.38	.36
571-16405200	1-640520-0	B	6	Matrix	.41	.37	.35	.33	.32
571-16405210	1-640521-0	B	9	Matrix	.61	.55	.52	.49	.46
571-16405220	1-640522-0	B	12	Matrix	.74	.67	.63	.60	.56
571-16405230	1-640523-0	B	15	Matrix	.80	.72	.68	.64	.60
571-16405240	1-640524-0	B	20	Matrix	1.31	1.18	1.11	1.05	.98
571-16405250	1-640525-0	B	24	Matrix	1.39	1.25	1.18	1.11	1.05

AMP PC BOARD VERTICAL PIN HEADERS

- .165" centerline spacing
- Contact: Phosphor Bronze

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	PCB Thick (In.)	Contact Finish	Price Each 1	10	100	500	1000
571-6404981	640498-1	E	3	.062	Tin	.72	.65	.62	.58	.54
571-6404992	640499-2	E	4	.062	Gold	2.42	2.18	2.05	1.94	1.82
571-6405001	640500-1	E	6	.062	Tin	1.27	1.14	1.08	1.01	.95
571-6405011	640501-1	E	9	.062	Tin	1.65	1.48	1.41	1.32	1.24
571-6405031	640503-1	E	15	.062	Tin	2.60	2.34	2.21	2.08	1.95
571-6405042	640504-2	E	20	.062	Gold	9.55	8.59	8.12	7.64	7.16

AMP STRAIN RELIEFS

- One piece clam shell design
- Use with pin or socket housings
- Color: Brick Red
- UL94V-0

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	I.D. (In.)	Price Each 1	10	100	500	10
571-3503731	350373-1	C	6	.374	2.20	2.09	1.98	1.93	1.
571-3505221	350522-1	C	9	.420	1.02	.92	.87	.82	.
571-3505231	350523-1	C	15	.420	2.04	1.84	1.74	1.63	1.
571-3505241	350524-1	C	24	.560	2.05	1.85	1.75	1.65	1.

AMP ADAPTING GROMMETS

- Housing: Flexible PVC, black color

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	I.D. (In.)	Price Each 1	10	100	500	10
571-13503760	1-350376-0	D	6	.218	.90	.80	.75	.71	.6
571-13503750	1-350375-0	D	6	.296	.72	.65	.61	.58	.5
571-13503791	1-350379-1	D	9, 12, 15	.250	.72	.66	.62	.58	.5
571-13503801	1-350380-1	D	9, 12, 15	.281	1.04	.94	.88	.83	.7
571-13809360	1-380936-0	D	20, 24, 36	.375	.76	.68	.65	.61	.5

AMP MINIATURE RECTANGULAR CONTACTS

Live Split Pin Contacts

- .068" pin diameter
- Contact: Phosphor Bronze

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Wire AWG	Finish	Price Each 1	10	100	500	10
571-6405451	640545-1	F	26-18	Pre-Tin	.21	.19	.17	.16	.1
571-6405452	640545-2	F	26-18	Gold	.37	.35	.33	.31	.2

Socket Contacts

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Wire AWG	Finish	Price Each 1	10	100	500	10
571-6413001	641300-1	G	26-18	Pre-Tin	.21	.14	.13	.12	.
571-6413002	641300-2	G	26-18	Gold	.30	.27	.26	.25	.

AMP KEYING PLUG

- UL94V-0 Nylon

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each 1	10	100	500	10
571-3505911	350591-1	H	Use in socket housings only	.51	.46	.44	.41	.

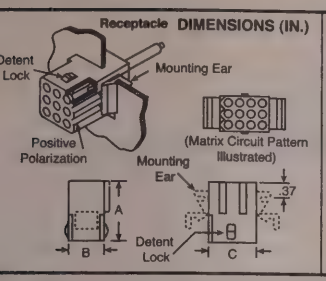
AMP TOOLS

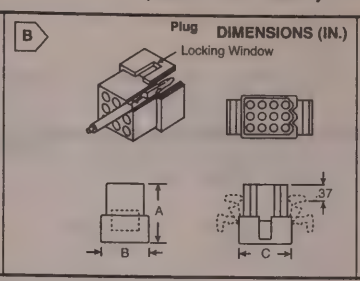
For quantities of 5 and up, call for qu

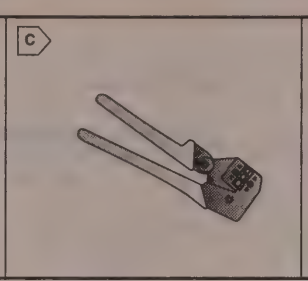
MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-4558301	455830-1	I	Contact Insertion Tool	21.74
571-4558222	455822-2	J	Contact Extraction Tool	22.30
571-585141	58514-1	K	PRO-CRIMPER II Hand Tool	182.25

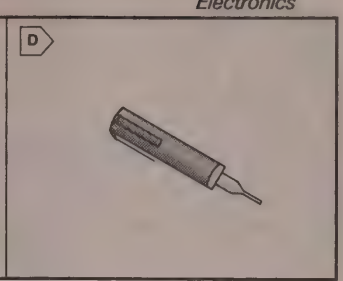
AMP Pin and Socket Connectors and Tools
(.062" and .093")

tyco Electronics









on housing connectors are used throughout the world in appliances, televisions, electronic games, business machines, and computers. All items are UL recognized (file no. E28476) and CSA listed R-16455-101). These connectors are totally intermateable/interchangeable (housing for housing; contact for contact; assembly for assembly) with industry standard connectors of the same type.

E28476 · E28476

.062" TERMINAL HOUSINGS

id spacing
3 30-18AWG wire
• UL94V-2 nylon natural color
• Polarized

anging Receptacles

For quantities of 500 and up, call for quote.

SER K NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.) A	B	C	Price Each 1	10	100
02771	770277-1	A	1	In-line	.785	- - -	- - -	.13	.12	.11
03421	770342-1	A	2	In-line	.820	.199	.340	.16	.14	.13
03331	770333-1	A	3	In-line	.785	.199	.490	.21	.16	.14
02741	770274-1	A	4	In-line	.785	.199	.635	.52	.47	.44
04421	770442-1	A	4	Matrix	.878	.345	.345	.33	.25	.22
03561	770356-1	A	6	Matrix	.785	.495	.345	.28	.25	.24
04291	770429-1	A	9	Matrix	.790	.495	.490	.35	.27	.25

anging Plugs

For quantities of 500 and up, call for quote.

SER K NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.) A	B	C	Price Each 1	10	100
02781	770278-1	B	1	In-line	.750	- - -	- - -	.13	.12	.11
03401	770340-1	B	2	In-line	.780	.300	.440	.16	.14	.13
03311	770331-1	B	3	In-line	.750	.300	.590	.20	.18	.16
02751	770275-1	B	4	In-line	.750	.300	.733	.53	.47	.45
04331	770433-1	B	4	Matrix	.868	.445	.445	.33	.25	.24
03551	770355-1	B	6	Matrix	.750	.600	.445	.26	.20	.19
04281	770428-1	B	9	Matrix	.750	.600	.590	.30	.24	.22

.093" TERMINAL HOUSINGS

nterline spacing
2 nylon, natural color
• Accepts 24-14AWG wire
• Polarized

Mount Receptacles, without Detent Lock

For quantities of 500 and up, call for quote.

SER K NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.) A	B	C	Price Each 1	10	100
00851	770085-1	A	6	Matrix	1.000	.635	.435	.25	.24	.23
00911	770091-1	A	9	Matrix	1.000	.635	.670	.31	.28	.27
00971	770097-1	A	12	Matrix	1.000	.635	.870	.36	.32	.31
01031	770103-1	A	15	Matrix	1.000	.635	1.070	.47	.43	.40

Mount Receptacles, with Detent Lock

For quantities of 500 and up, call for quote.

SER K NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.) A	B	C	Price Each 1	10	100
00661	770066-1	A	2	In-line	1.125	.240	.540	.17	.16	.15
00711	770071-1	A	3	In-line	1.125	.240	.670	.21	.20	.19
00761	770076-1	A	4	In-line	1.125	.240	.870	.22	.21	.20
00871	770087-1	A	6	Matrix	1.000	.635	.435	.78	.70	.62

anging Receptacles, without Detent Lock

For quantities of 500 and up, call for quote.

SER K NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.) A	B	C	Price Each 1	10	100
00881	770088-1	A	6	Matrix	1.000	.635	.435	.32	.24	.22
00941	770094-1	A	9	Matrix	1.000	.635	.670	.83	.75	.71
01001	770100-1	A	12	Matrix	1.000	.635	.870	.82	.66	.64
01051	770105-1	A	15	Matrix	1.000	.635	1.070	.55	.44	.38

anging Receptacles, with Detent Lock

For quantities of 500 and up, call for quote.

SER K NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.) A	B	C	Price Each 1	10	100
00631	770063-1	A	1	In-line	1.000	.240	- - -	.13	.12	.11
00651	770065-1	A	2	In-line	1.125	.240	.540	.14	.13	.12
00701	770070-1	A	3	In-line	1.125	.240	.670	.24	.17	.15
00751	770075-1	A	4	In-line	1.125	.240	.870	.27	.25	.19
08431	770843-1	A	4	Matrix	1.000	.635	.443	.54	.42	.38
00831	770083-1	A	5	In-line	1.000	.240	1.070	.27	.21	.19
00861	770086-1	A	6	Matrix	1.000	.635	.435	.32	.24	.23
00921	770092-1	A	9	Matrix	1.000	.635	.670	.40	.30	.26
00981	770098-1	A	12	Matrix	1.000	.635	.870	.41	.32	.26

AMP .093" TERMINAL HOUSINGS (CONT.)

Panel Mount Plugs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.) A	B	C	Price Each 1	10	100
571-7700681	770068-1	B	2	In-line	1.095	.340	.640	.40	.36	.35
571-7700731	770073-1	B	3	In-line	1.095	.340	.770	.20	.19	.18
571-7700771	770077-1	B	4	In-line	1.095	.340	.970	.21	.20	.19
571-7700891	770089-1	B	6	Matrix	.970	.735	.535	.25	.24	.23
571-7701061	770106-1	B	15	Matrix	.970	.735	1.170	.81	.73	.69

Free-Hanging Plugs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.) A	B	C	Price Each 1	10	100
571-7700641	770064-1	B	1	In-line	.970	.245	- - -	.14	.13	.12
571-7700691	770069-1	B	2	In-line	1.095	.340	.640	.20	.19	.18
571-7700741	770074-1	B	3	In-line	1.095	.340	.770	.16	.15	.14
571-7700781	770078-1	B	4	In-line	1.095	.340	.970	.21	.20	.19
571-7708421	770842-1	B	4	Matrix	.970	.735	.540	.62	.56	.53
571-7700841	770084-1	B	5	In-line	.970	.340	1.170	.19	.18	.17
571-7700901	770090-1	B	6	Matrix	.970	.735	.535	.25	.24	.23
571-7700961	770096-1	B	9	Matrix	.970	.735	.770	.21	.20	.19
571-7701021	770102-1	B	12	Matrix	.970	.735	.970	.31	.28	.26
571-7701071	770107-1	B	15	Matrix	.970	.735	1.170	.40	.36	.35

AMP PIN AND SOCKET CONTACTS

For use with .062" Terminal Housings

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Style	Wire Size (AWG)	Finish and Materials	Price Each 1	100	500	1000
571-7940181	794018-1	Pin	30-24	Tin over brass	.11	.10	.09	.08
571-7940171	794017-1	Pin	24-18	Tin over brass	.11	.10	.09	.08
571-7940191	794019-1	Socket	30-24	Tin over brass	.11	.10	.09	.08
571-7940161	794016-1	Socket	24-18	Tin over brass	.11	.10	.09	.08

For use with .093" Terminal Housings

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Style	Wire Size (AWG)	Finish and Materials	Price Each 1	100	500	1000
571-7701451	770145-1	Pin	20-14	Tin over brass	.11	.10	.09	.08
571-7701471	770147-1	Pin	24-18	Tin over brass	.11	.10	.09	.08
571-7701441	770144-1	Socket	20-14	Tin over brass	.11	.10	.09	.08
571-7701461	770146-1	Socket	24-18	Tin over brass	.11	.10	.09	.08

AMP TOOLS

For use with .062" Pin and Socket Contacts

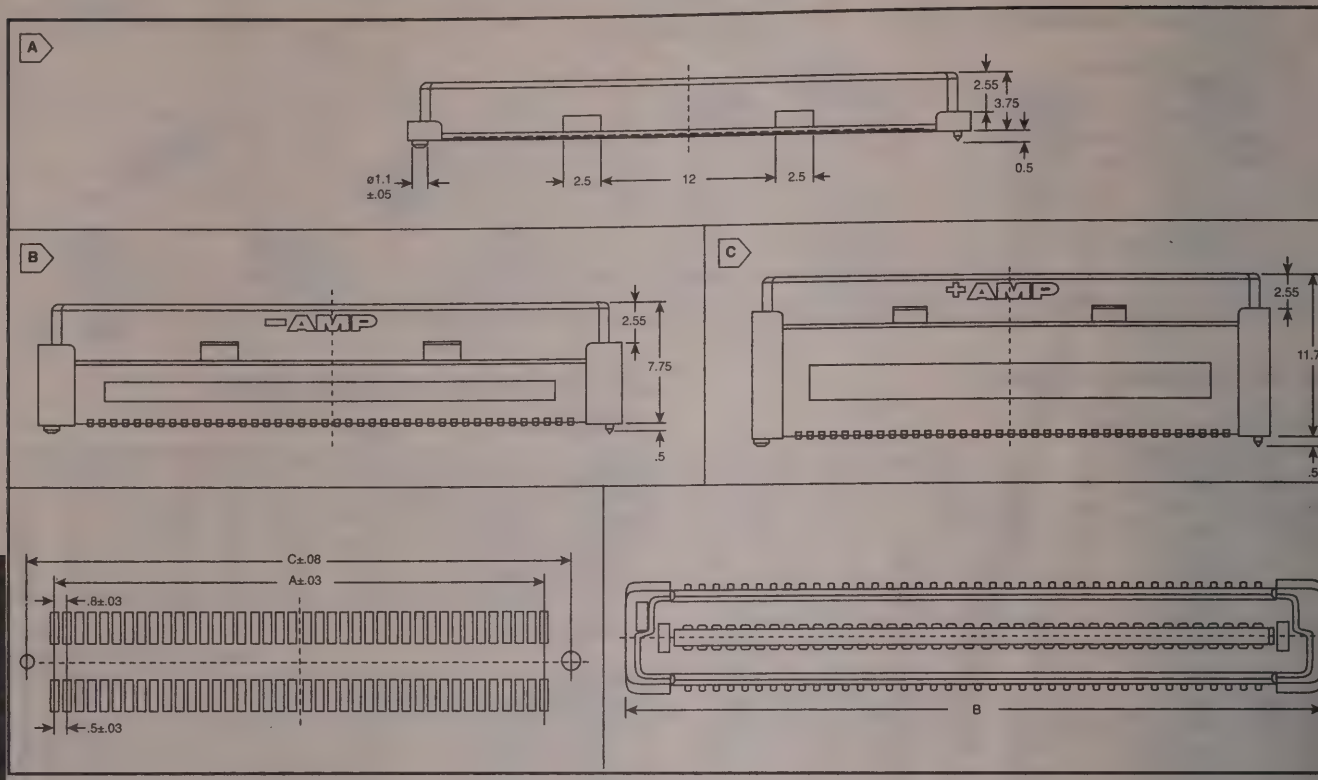
For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-908701	90870-1	C	Pro-Crimper II hand tool 30-24 AWG	162.00
571-908691	90869-1	C	Pro-Crimper II hand tool 24-18 AWG	162.00
571-3188311	318831-1	D	Contact extraction tool	82.50

For use with .093" Pin and Socket Contacts

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-908721	90872-1	C	Pro-Crimper II hand tool 24-18 AWG	162.00
571-908711	90871-1	C	Pro-Crimper II hand tool 20-14 AWG	162.00
571-3188371	318837-1	D	Contact extraction tool	38.60



DIMENSIONS

VERTICAL RECEPTACLES FOR PARALLEL BOARD STACKING

AMP 0.8mm FH surface mount connectors are designed for parallel board stacking applications using subminiature connectors to meet today's electronic industry requirements for high density packaging. It is possible to save more than 50% of the required board space when compared to conventional 1.27 [.050] centerline connectors.

Features:

- Preloaded with unique bellows-type spring contacts for reliable electrical connection with plugs
- Board stacking heights from 5mm [.197] to 16mm [.630] (in 1mm [.039] increments)
- Mates with Plugs-Series 177984, 179029, 179030 and 179031
- Surface mount solder leads permit fast assembly operation

Applications:

- Notebook PCs
- Pen Pads
- Cellular Telephones

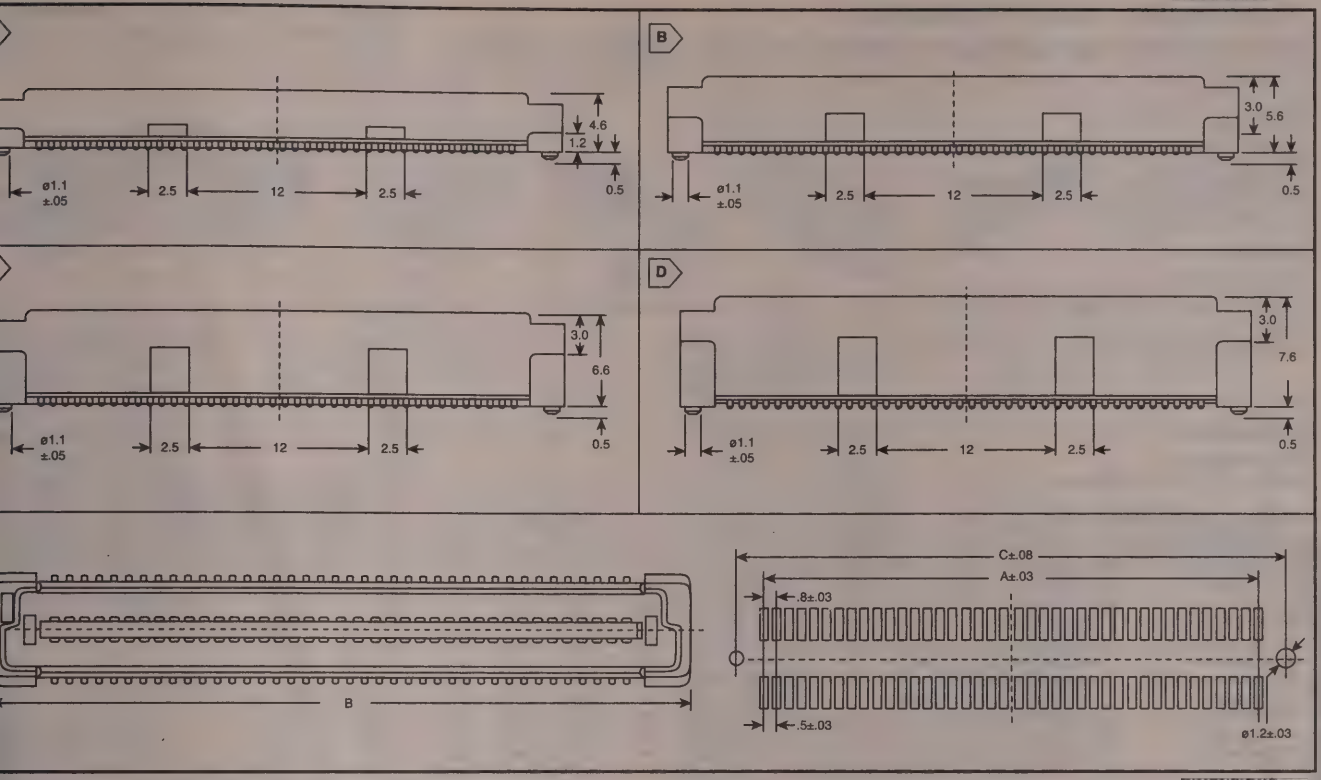
Specifications:

- Voltage Rating: 100 VAC
- Current Rating: 0.5 ampere
- Contact Resistance: 30 milliohms max.(initial)
- Dielectric Withstanding Voltage: 500 VAC (1 minute)
- Operating Temperature: -40°C to +85°C (including terminal temp rise)
- Housing: High temperature thermoplastic, natural color, UL94V-0
- Contacts: Beryllium copper duplex plated 0.00020 [.000008] min. gold on contact area, 0.00100 [.000039] min. tin-lead on solder area, with entire contact underplated 0.00130 [.000051] min. nickel
- UL File No. E28476

For quantities of 200 and up, call for q

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Dimension mm/In.			Price Each			
				A	B	C	1	25	50	100
5mm Receptacles for 5, 6, 7 and 8mm Stacking Heights										
571-1779831	177983-1	A	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	2.80	2.57	2.46	2.37
571-1779832	177983-2	A	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	3.52	3.24	3.10	2.99
571-1779833	177983-3	A	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	4.59	4.22	4.03	3.89
571-1779834	177983-4	A	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	5.58	5.13	4.91	4.73
571-177983-5	177983-5	A	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	6.08	5.59	5.35	5.16
571-1779836	177983-6	A	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	6.38	5.89	5.65	5.46
9mm Receptacles for 9, 10, 11 and 12mm Stacking Heights										
571-51790091	5-179009-1	B	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	3.34	3.07	2.94	2.83
571-5-179009-2	5-179009-2	B	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	3.64	3.34	3.20	3.08
571-5-179009-3	5-179009-3	B	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	5.42	4.99	4.77	4.60
571-51790094	5-179009-4	B	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	5.74	5.28	5.05	4.88
571-51790095	5-179009-5	B	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	6.04	5.51	5.28	5.11
571-51790096	5-179009-6	B	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	6.36	5.83	5.60	5.42
13mm Receptacles for 13, 14, 15 and 16mm Stacking Heights										
571-51790101	5-179010-1	C	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	3.05	2.80	2.68	2.58
571-51790102	5-179010-2	C	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	3.35	3.49	3.34	3.22
571-51790103	5-179010-3	C	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	4.97	4.57	4.37	4.22
571-51790104	5-179010-4	C	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	6.03	5.55	5.31	5.12
571-51790105	5-179010-5	C	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	6.58	6.05	5.78	5.58
571-51790106	5-179010-6	C	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	6.91	6.38	6.11	5.91

AMP 0.8mm Free Height Plugs



DIMENSIONS mm

RTICAL PLUGS FOR PARALLEL BOARD STACKING

.8mm FH surface mount connectors are designed for parallel board stacking applications using subminiature connectors to meet today's electronic industry requirements for high density packaging.
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es with Receptacles Series 177983, 179009 and 179010
face mount solder leads permit fast assembly operation

Specifications:

- Voltage Rating: 100 VAC
- Current Rating: 0.5 ampere
- Contact Resistance: 30 milliohms max.(initial)
- Dielectric Withstanding Voltage: 500 VAC (1 minute)
- Operating Temperature: -40°C to +85°C (including terminal temp rise)
- Housing: Natural Color UL94V-0, high temperature thermoplastic
- Contacts: Brass, duplex plated 0.00020" min gold on contact area, 0.00100" min tin-lead on solder area, with entire contact underplated 0.00130 "min. nickel
- UL File No: E28476

Applications:

- Notebooks PCs
- Pen Pads
- Cellular Telephones

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Dimension mm/In.			Price Each			
				A	B	C	1	25	50	100
m Plugs for 5,9 and 13mm Stacking Heights										
1-1779841	177984-1	A	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	2.80	2.57	2.46	2.37
1-1779842	177984-2	A	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	4.50	4.13	3.95	3.81
1-1779843	177984-3	A	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	5.29	4.86	4.65	4.49
1-1779844	177984-4	A	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	5.58	5.13	4.91	4.73
1-1779845	177984-5	A	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	6.06	5.57	5.33	5.14
1-1779846	177984-6	A	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	7.05	6.56	6.32	6.13
m Plugs for 6,10 and 14mm Stacking Heights										
1-179029-1	179029-1	B	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	3.39	3.12	2.98	2.87
1-1790292	179029-2	B	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	3.71	3.41	3.26	3.14
1-1790293	179029-3	B	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	4.81	4.43	4.23	4.08
1-1790294	179029-4	B	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	6.73	6.19	5.92	5.71
1-1790295	179029-5	B	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	6.40	5.88	5.49	4.25
1-179029-6	179029-6	B	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	6.89	6.35	6.08	5.87
m Plugs for 7,11 and 15mm Stacking Heights										
1-1790301	179030-1	C	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	3.10	2.85	2.72	2.62
1-1790302	179030-2	C	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	4.45	4.09	3.91	3.77
1-1790303	179030-3	C	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	5.06	4.65	4.45	4.29
1-1790304	179030-4	C	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	6.12	5.63	5.39	5.20
1-1790305	179030-5	C	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	6.69	6.15	5.88	5.68
1-1790306	179030-6	C	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	7.02	6.48	6.21	6.01
m Plugs for 8,12 and 16mm Stacking Heights										
1-1790311	179031-1	D	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	3.23	2.97	2.84	2.74
1-1790312	179031-2	D	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	4.07	3.74	3.58	3.45
1-179031-3	179031-3	D	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	5.27	4.84	4.63	4.47
1-1790314	179031-4	D	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	6.44	5.92	5.67	5.46
1-1790315	179031-5	D	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	6.98	6.42	6.14	5.93
1-1790316	179031-6	D	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	7.35	6.79	6.51	6.30

WIRE-TO-BOARD CONNECTOR SYSTEM

AMP Economy Power connectors are designed for secondary power circuit applications. They consist of wire-to-pc board plug housings (for receptacle contacts) and mating post headers. During mating, the positive locking lever on the outside of the plug housing engages the mating header housing to provide for greater retention.

Features:
- .156" centerline
- Hooded contact designed to accept wire with insulation diameters up to .118"
- Positive locking feature built into header back wall
- Locking mechanism on connector housing maximizes retention
- Polarization tabs help prevent post misalignment and mismating
- Low-profile mating height of .641"

E28476

Specifications:
- Voltage Rating: 250 VAC
- Current Rating: 7.5 amp max. (2 to 12 pos.) 8 amp max. (1 pos)
- Durability: 50 mating and unmating cycles
- Operating Temperature: -25°C to +105°C
- Wire Size Range: 18-22 AWG

LR7189

Plug Housings

Material and Finish:
- Housing: UL 94V-0 rated nylon, natural color

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Dimension A	Price Each			
					1	10	25	50
571-111237222	1-1123722-2	A	2	.310 (7.86)	.13	.12	.11	.10
571-111237223	1-1123722-3	A	3	.465 (11.82)	.14	.13	.12	.11
571-111237224	1-1123722-4	A	4	.621 (15.78)	.16	.15	.14	.13
571-111237225	1-1123722-5	A	5	.777 (19.74)	.19	.18	.17	.16
571-111237226	1-1123722-6	A	6	.933 (23.70)	.21	.20	.19	.18
571-111237227	1-1123722-7	A	7	1.089 (27.66)	.23	.22	.21	.20
571-111237228	1-1123722-8	A	8	1.245 (31.62)	.27	.25	.24	.23
571-111237229	1-1123722-9	A	9	1.401 (35.58)	.32	.28	.27	.26
571-111237220	1-1123722-0	A	10	1.557 (39.54)	.36	.32	.31	.29
571-111237221	1-1123722-1	A	11	1.713 (43.50)	.43	.39	.37	.34
571-16476902	1-647690-2	A	12	1.869 (47.47)	.75	.67	.64	.60

Vertical Post Headers, Low-Profile

Material and Finish:
- Housing: UL 94V-0 rated nylon, natural color
- Post: Tin-plated brass

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Dimension A	Price Each			
					1	10	25	50
571-111237232	1-1123723-2	B	2	.310 (7.86)	.19	.18	.17	.16
571-111237233	1-1123723-3	B	3	.465 (11.82)	.23	.22	.21	.20
571-111237234	1-1123723-4	B	4	.621 (15.78)	.27	.26	.25	.24
571-111237235	1-1123723-5	B	5	.777 (19.74)	.39	.35	.33	.31
571-111237236	1-1123723-6	B	6	.933 (23.70)	.44	.40	.38	.35
571-111237237	1-1123723-7	B	7	1.089 (27.66)	.51	.46	.44	.41
571-111237238	1-1123723-8	B	8	1.245 (31.62)	.64	.58	.55	.51
571-111237239	1-1123723-9	B	9	1.401 (35.58)	.71	.64	.61	.58
571-111237230	1-1123723-0	B	10	1.557 (39.54)	.82	.74	.70	.66
571-111237231	1-1123723-1	B	11	1.713 (43.50)	.89	.81	.76	.72
571-16476892	1-647689-2	B	12	1.869 (47.47)	.91	.82	.78	.73

1 Position Plug Housing and Post Header, High Profile

Material and Finish:
- Housing: UL 94V-0 rated nylon, natural color

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Description	Price Each			
					1	10	25	50
571-111238231	1-1123823-1	C	1	Plug Housing	.48	.43	.38	.36
571-111238241	1-1123824-1	D	1	Post Header	.48	.43	.38	.36

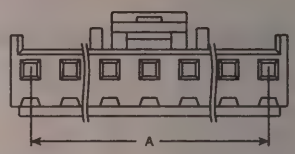
Crimp, Snap-In Receptacle Contacts

- Wire Insulation Diameter: .067"-.118"

MOUSER STOCK NO.	AMP Part No.	Fig.	Wire Size AWG	Material and Finish	Price Each			
					1	100	500	1000
571-11237211	1123721-1	E	18-22	Phos. Brz., Pre-Tin	.11	.09	.08	.07
571-11237212	1123721-2	E	18-22	Brass, Pre-Tin	.11	.09	.08	.07

DIMENSIONS (mm

A



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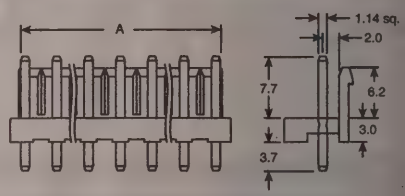

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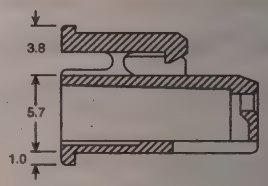

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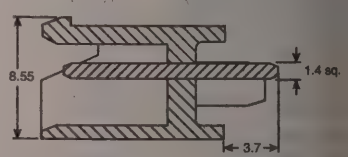

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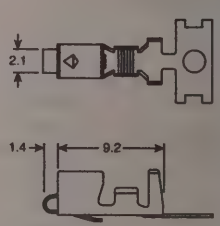


AMP 4.20mm PE Series Connectors

tyco Electronics

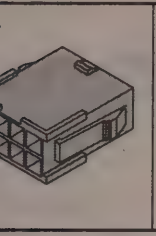
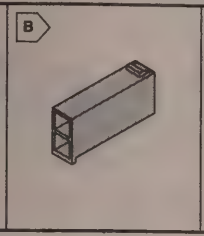
st, wire-to-wire and wire-to-board connectors with 4.2 mm x 4.2 mm (.165") centerlines. Can be used in computer motherboards, harness assemblies, car alarms and heating systems.

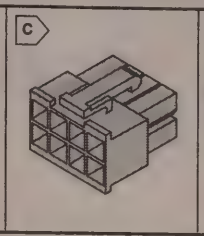
ate and unmate with positive latch design.
usings accept pin contacts and receptacle
s accept socket contacts.

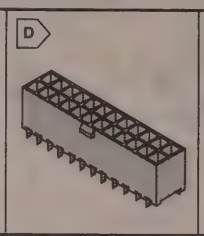
Electrical:
- Voltage: 600 VAC
- Current: 9 amps max. in 2-position applications

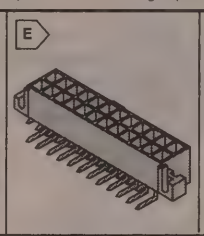
Material:
- Housing: Nylon, UL 94V-2
- Contacts: Brass or Phosphor bronze with tin or gold plating

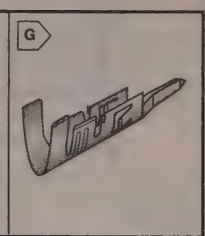
- Pitch: 4.2mm (.165")









GS - PANEL MOUNT

For quantities of 100 and up, call for quote.

OUSER CK NO.	AMP Part No.	Fig.	No. of Positions	Price Each		
				1	10	50
7949532	794953-2	A	2	.16	.15	.14
7949534	794953-4	A	4	.13	.12	.10
7949536	794953-6	A	6	.17	.16	.15
7949538	794953-8	A	8	.16	.15	.12
17949530	1-794953-0	A	10	.17	.16	.13
17949532	1-794953-2	A	12	.19	.18	.15
17949534	1-794953-4	A	14	.21	.20	.16
17949536	1-794953-6	A	16	.23	.22	.17
17949538	1-794953-8	A	18	.26	.24	.19
27949530	2-794953-0	A	20	.28	.27	.21
27949532	2-794953-2	A	22	.35	.31	.29
27949534	2-794953-4	A	24	.38	.34	.32

GS - FREE-HANGING

For quantities of 100 and up, call for quote.

OUSER CK NO.	AMP Part No.	Fig.	No. of Positions	Price Each		
				1	10	50
15860002	1586000-2	B	2	.16	.15	.14
15860004	1586000-4	B	4	.16	.15	.14
15860006	1586000-6	B	6	.17	.16	.15
15860008	1586000-8	B	8	.18	.17	.16
115860000	1-1586000-0	B	10	.19	.18	.17
115860002	1-1586000-2	B	12	.20	.19	.18
115860004	1-1586000-4	B	14	.22	.21	.20
115860006	1-1586000-6	B	16	.23	.22	.21
115860008	1-1586000-8	B	18	.26	.24	.23
215860000	2-1586000-0	B	20	.27	.25	.24
215860002	2-1586000-2	B	22	.35	.31	.30
215860004	2-1586000-4	B	24	.39	.34	.32

EPTACLE HOUSINGS

For quantities of 100 and up, call for quote.

OUSER CK NO.	AMP Part No.	Fig.	No. of Positions	Price Each		
				1	10	50
7949542	794954-2	C	2	.16	.15	.14
7949544	794954-4	C	4	.16	.15	.14
7949546	794954-6	C	6	.17	.16	.15
7949548	794954-8	C	8	.18	.17	.16
17949540	1-794954-0	C	10	.17	.16	.13
17949542	1-794954-2	C	12	.20	.19	.18
17949544	1-794954-4	C	14	.21	.20	.19
17949546	1-794954-6	C	16	.23	.22	.17
17949548	1-794954-8	C	18	.26	.24	.19
27949540	2-794954-0	C	20	.27	.25	.24
27949542	2-794954-2	C	22	.31	.29	.23
27949544	2-794954-4	C	24	.33	.30	.28

HEADERS - VERTICAL

For quantities of 100 and up, call for quote.

OUSER CK NO.	AMP Part No.	Fig.	No. of Positions	Price Each		
				1	10	50
out Pegs						
15860372	1586037-2	D	2	.37	.33	.31
15860374	1586037-4	D	4	.45	.42	.40
15860376	1586037-6	D	6	.53	.47	.44
15860378	1586037-8	D	8	.65	.57	.54
115860370	1-1586037-0	D	10	.72	.63	.60
115860372	1-1586037-2	D	12	.94	.83	.78
115860374	1-1586037-4	D	14	1.00	.90	.85
115860376	1-1586037-6	D	16	1.07	.96	.91
115860378	1-1586037-8	D	18	1.12	1.01	.96
215860370	2-1586037-0	D	20	1.26	1.13	1.06
215860372	2-1586037-2	D	22	1.32	1.19	1.12
215860374	2-1586037-4	D	24	1.40	1.26	1.19

PIN HEADERS - VERTICAL (Cont.)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each		
				1	10	50
With Pegs						
571-15860392	1586039-2	D	2	.34	.32	.30
571-15860394	1586039-4	D	4	.41	.36	.34
571-15860396	1586039-6	D	6	.43	.37	.35
571-15860398	1586039-8	D	8	.57	.50	.47
571-115860390	1-1586039-0	D	10	.63	.55	.52
571-115860392	1-1586039-2	D	12	.83	.73	.68
571-115860394	1-1586039-4	D	14	.89	.78	.74
571-115860396	1-1586039-6	D	16	.95	.84	.79
571-115860398	1-1586039-8	D	18	1.01	.88	.83
571-215860390	2-1586039-0	D	20	1.12	.98	.93
571-215860392	2-1586039-2	D	22	1.19	1.05	.98
571-215860394	2-1586039-4	D	24	1.26	1.11	1.05

PIN HEADERS - RIGHT ANGLE

For quantities of 100 and up, call for quote.

Without Pegs						
571-15860412	1586041-2	E	2	.54	.51	.41
571-15860414	1586041-4	E	4	.68	.60	.56
571-15860416	1586041-6	E	6	.75	.66	.62
571-15860418	1586041-8	E	8	.81	.73	.69
571-115860410	1-1586041-0	E	10	.89	.78	.74
571-115860412	1-1586041-2	E	12	1.11	.97	.92
571-115860414	1-1586041-4	E	14	1.16	1.04	.98
571-115860416	1-1586041-6	E	16	1.26	1.11	1.05
571-115860418	1-1586041-8	E	18	1.32	1.16	1.10
571-215860410	2-1586041-0	E	20	1.45	1.27	1.20
571-215860412	2-1586041-2	E	22	1.48	1.33	1.26
571-215860414	2-1586041-4	E	24	1.60	1.41	1.33
Screw Mount						
571-15860432	1586043-2	E	2	.61	.54	.51
571-15860434	1586043-4	E	4	.62	.55	.52
571-15860436	1586043-6	E	6	.63	.55	.52
571-15860438	1586043-8	E	8	1.01	.88	.83
571-115860430	1-1586043-0	E	10	1.09	.95	.90
571-115860432	1-1586043-2	E	12	1.35	1.19	1.12
571-115860434	1-1586043-4	E	14	1.44	1.27	1.20
571-115860436	1-1586043-6	E	16	1.47	1.30	1.22
571-115860438	1-1586043-8	E	18	1.44	1.30	1.23
571-215860430	2-1586043-0	E	20	1.49	1.32	1.24
571-215860432	2-1586043-2	E	22	1.80	1.62	1.53
571-215860434	2-1586043-4	E	24	1.90	1.71	1.61

CONTACTS

- A: Brass, Tin plate
- B: Brass, Gold plate
- C: Phosphor Bronze, Tin plate
- D: Phosphor Bronze, Gold plate

For quantities of 1000 and up, call for quote.

Sockets - (Use in receptacle housings)							
571-15863151	1586315-1	F	22-18	A	.11	.10	.09
571-15863171	1586317-1	F	26-22	A	.11	.10	.09
571-15863152	1586315-2	F	22-18	B	.39	.36	.34
571-15863172	1586317-2	F	26-22	B	.39	.36	.29
571-15863153	1586315-3	F	22-18	C	.12	.11	.10
571-15863173	1586317-3	F	26-22	C	.12	.11	.10
571-15863154	1586315-4	F	22-18	D	.43	.41	.32
571-15863174	1586317-4	F	26-22	D	.43	.41	.32
Pins - (Use in plug housings)							
571-15863141	1586314-1	G	22-18	A	.11	.10	.09
571-15863161	1586316-1	G	26-22	A	.11	.10	.09
571-15863142	1586314-2	G	22-18	B	.25	.23	.22
571-15863162	1586316-2	G	26-22	B	.25	.23	.22
571-15863143	1586314-3	G	22-18	C	.12	.11	.10
571-15863163	1586316-3	G	26-22	C	.12	.11	.10
571-15863144	1586314-4	G	22-18	D	.27	.25	.24
571-15863164	1586316-4	G	26-22	D	.27	.25	.24

TOOLS

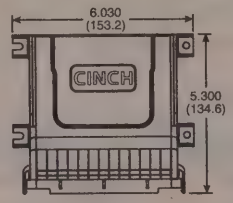
MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-91387-1	91387-1	PRO-CRIMPER & Die for pins and sockets 26-22 AWG	484.00
571-91388-1	91388-1	PRO-CRIMPER & Die for pins and sockets 22-18 AWG	484.00

CINCH Modular Integrated Connector Enclosures

CINC

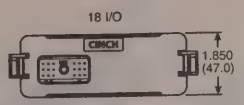
DIMENSIONS IN and (m

A



SE Enclosure

B



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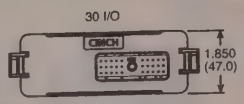

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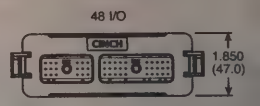

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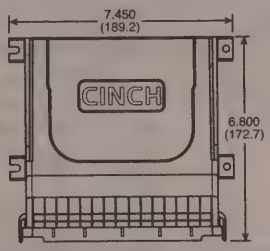

LE Enclosure

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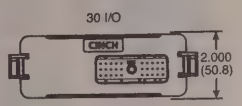

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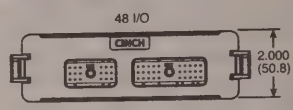

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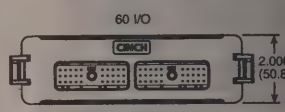

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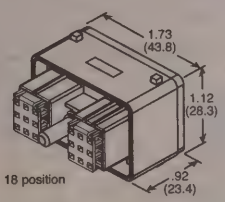

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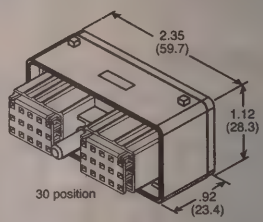


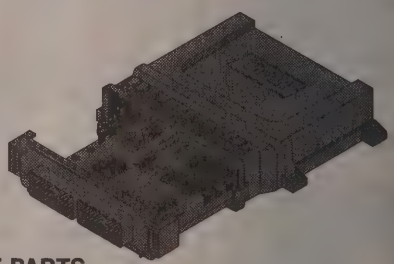
ModICE offers a high quality sealed electro-mechanical interface and is rated IP67 and IP69.
Ideal for use in On/Off highway vehicles, agricultural, construction or material handling equipment and other specialty applications.

Features:

- Rugged connector enclosure system
- Header suited for wave and reflow soldering
- Header modularity allows for various designs (Coax, Power I/O, etc.)
- Heat Sink Option
- Ferrite Filtering Option
- Interfaces with Cinch SHS, industry standard harness connectors
- Simple Assembly
- Headers are preinstalled with contacts
- Measurements: SE: 6.030" (153.2) x 5.300" (134.6)
  LE: 7.450" (189.2) x 6.800" (172.7)

Materials:

- Enclosure: Glass filled polymer
  Glass filled, high temperature, polymer
- Terminals: Brass. Post Tin plated. Seals: Silicone



SE ENCLOSURE PARTS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Price Each 1	Price Each 5
538-581-01-30-043	581-01-30-043	A	SE Enclosure, Black without heat sink	17.21	15.65
538-581-01-30-042	581-01-30-042	A	SE Enclosure, Black with 1 heat sink	27.92	25.38
538-581-01-30-041	581-01-30-041	A	SE Enclosure, Black with 2 heat sink	38.66	35.15
538-581-01-18-032	581-01-18-032	B	18 Position Black I/O Header	17.21	15.65
538-581-01-30-044	581-01-30-044	C	30 Position Black I/O Header	21.67	19.70
538-581-01-48-005	581-01-48-005	D	48 Position Black I/O Header	28.24	25.67
538-581-01-18-033	581-01-18-033	B	18 Position Black I/O Filtered Header	17.47	15.88
538-581-01-30-046	581-01-30-046	C	30 Position Black I/O Filtered Header	21.67	19.70
538-581-01-48-007	581-01-48-007	D	48 Position Black I/O Filtered Header	33.05	30.05

LE ENCLOSURE PARTS

For quantities of 10 and up, call for

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Price E 1
538-581-01-60-033	581-01-60-033	E	LE Enclosure, Black without heat sink	21.38
538-581-01-60-032	581-01-60-032	E	LE Enclosure, Black with 1 heat sink	31.96
538-581-01-60-031	581-01-60-031	E	LE Enclosure, Black with 2 heat sink	42.49
538-581-01-30-045	581-01-30-045	F	30 Position Black I/O Header	21.67
538-581-01-48-006	581-01-48-006	G	48 Position Black I/O Header	29.10
538-581-01-60-005	581-01-60-005	H	60 Position Black I/O Header	34.57
538-581-01-30-051	581-01-30-051	F	30 Position Black I/O Filtered Header	25.65
538-581-01-48-008	581-01-48-008	G	48 Position Black I/O Filtered Header	34.78
538-581-01-60-006	581-01-60-006	H	60 Position Black I/O Filtered Header	40.74

SHS HARNESS CONNECTORS

To configure harnesses to mate with the headers, please add the total positions of each harness in combination to match the number of positions of the header.
For example :
One 18 position harness, 538-581-01-18-023 and one 30 position harness, 538-581-01-30-028 are to be used to mate with the 48 position I/0 header.
One 30 position harness, 538-581-01-30-028 and one 30 position Alternative Key harness, 536-581-01-30-029 are to be used with the 60 pos I/O header.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Positions	Price Each 1	Price Each 5
538-581-01-18-023	581-01-18-023	I	18	8.18	7.43
*538-581-01-30-028	581-01-30-028	J	30	10.58	9.62
**538-581-01-30-029	581-01-30-029	-	30	10.58	9.62

* Only Mates to 538-581-01-60-005 in conjunction with 538-581-01-30-029
** Alternative Key Configuration

CONTACTS FOR SHS HARNESS CONNECTORS

For quantities of 500 and up, call for

MOUSER STOCK NO.	Cinch Part No.	Description	Price E 1
538-425-00-00-872	425-00-00-872	SHS terminal 20 awg GXL, 18 awg TXL	.10
538-425-00-00-873	425-00-00-873	SHS terminal 18 awg GXL, 16 awg TXL, 16 awg GXL	.10

NOFLEX IDC CONNECTORS

FLEX is the new standard for high density IDC interconnect systems. It offers the proven reliability and the economy of termination while reducing the occupied space to half the size. NANOFLEX reliably connects up to 100 positions g .025" conductor center ribbon cable.

anical Specifications:

ecognized
lator material: glass filled polyester, blue, UL94V-0
tact material: cable mount (NFS & NFT)-beryllium per board mount (NFH, NFHL ,& NFVS)-phosphor bronze
tact plating: cable mount (NFS)-12µ" gold board mount H, NFHL ,& NFVS)-contact area-12µ" gold/tail -100µ" tin/lead
ommended wire size: 30AWG .025" center ribbon cable re applicable)

Electrical Specifications:

- Current rating: 0.5A
- Voltage rating: 500VAC for 1 minute
- Insulator resistance: >1000MΩ
- Contact resistance: 20MΩ (where applicable)

Socket

inates to .025" center cable
" x .100" contact grid

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Circuit Assembly Part No.	Fig.	No. of Positions	Price Each			
				1	25	100	250
26NFS-12G	CA-26NFS-12G	A	26	3.34	3.01	2.84	2.67
34NFS-12G	CA-34NFS-12G	A	34	6.02	5.42	5.12	4.82
40NFS-12G	CA-40NFS-12G	A	40	4.64	4.18	3.94	3.71
50NFS-12G	CA-50NFS-12G	A	50	5.18	4.66	4.40	4.14
60NFS-12G	CA-60NFS-12G	A	60	5.94	5.35	5.05	4.75
80NFS-12G	CA-80NFS-12G	A	80	7.18	6.46	6.10	5.74
100NFS-12G	CA-100NFS-12G	A	100	9.86	8.87	8.38	7.89

in Relief

se with IDC Socket (above)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Circuit Assembly Part No.	Fig.	No. of Positions	Price Each			
				1	25	100	250
CA-SR26NFS	CA-SR26NFS	- - -	26	.32	.29	.27	.26
CA-SR34NFS	CA-SR34NFS	- - -	34	.42	.38	.36	.34
CA-SR40NFS	CA-SR40NFS	- - -	40	.42	.38	.36	.34
CA-SR60NFS	CA-SR60NFS	- - -	60	.56	.53	.50	.48
CA-SR80NFS	CA-SR80NFS	- - -	80	.68	.61	.58	.54

uded Header

w .050" x .075" staggered PCB grid
" x .100" contact grid

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Circuit Assembly Part No.	Fig.	No. of Positions	Price Each			
				1	25	100	250
26NFH-12GT	CA-26NFH-12GT-10	B	26	5.60	5.04	4.76	4.48
34NFH-12GT	CA-34NFH-12GT-10	B	34	5.92	5.33	5.03	4.74
40NFH-12GT	CA-40NFH-12GT-10	B	40	5.92	5.33	5.03	4.74
50NFH-12GT	CA-50NFH-12GT-10	B	50	6.40	5.76	5.44	5.12
60NFH-12GT	CA-60NFH-12GT-10	B	60	7.08	6.37	6.02	5.66
80NFH-12GT	CA-80NFH-12GT-10	B	80	8.36	7.52	7.11	6.69
100NFH-12GT	CA-100NFH-12GT-10	B	100	9.24	8.32	7.85	7.39

Profile Box Header

w .050" x .075" staggered PCB grid
" x .100" contact grid

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Circuit Assembly Part No.	Fig.	No. of Positions	Price Each			
				1	25	100	250
26NFHL-12GT	CA-26NFHL-12GT	C	26	3.44	3.10	2.92	2.75
34NFHL-12GT	CA-34NFHL-12GT	C	34	3.82	3.44	3.25	3.06
50NFHL-12GT	CA-50NFHL-12GT	C	50	4.46	4.01	3.79	3.57
60NFHL-12GT	CA-60NFHL-12GT	C	60	4.72	4.25	4.01	3.78
80NFHL-12GT	CA-80NFHL-12GT	C	80	5.14	4.63	4.37	4.11

Transition Plug

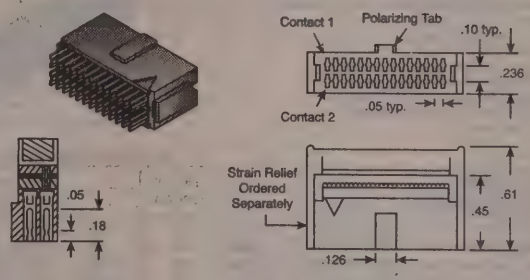
inates to 30AWG .025" ribbon cable
" tin plated contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Circuit Assembly Part No.	Fig.	No. of Positions	Price Each			
				1	25	100	250
34NFT-1T	CA-34NFT-1T	D	34	6.02	5.42	5.12	4.82
100NFT-1T	CA-100NFT-1T	D	100	14.82	13.34	12.60	11.86

DIMENSIONS (IN.)

A



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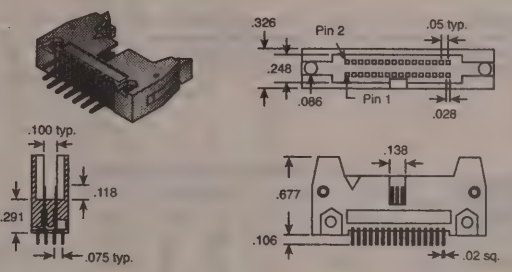

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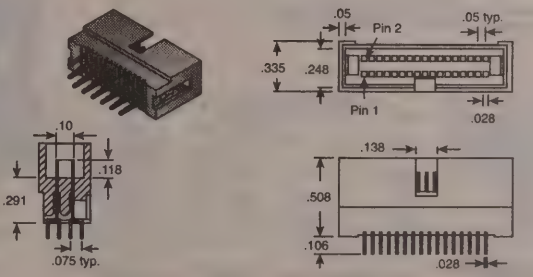

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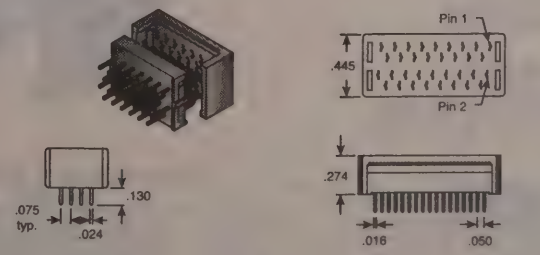


DELPHI Connection Systems — HERMAPHRODITIC 0.80MM BOARD-TO-BOARD SMT CONNECTORS

Two rows of contacts on 0.80mm pitch. Hermaphroditic feature allows use of same part on both boards.

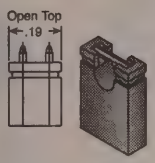
- Mounting Style: SMT
- Housing Color: Black
- Contact Plating Area: Gold over Nickel
- Contact Type: Blade-On-Beam
- Solder Process: IR, Vapor Phase, Wave
- Housing Material: LCP, 30%GF, UL 94V-0
- 6.0mm Width

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Delphi Part No.	Mated Height	No. of Positions	Price Each 1	10	100	250
829-15431497-061	15431497-061	4.5 mm	20	.68	.58	.49	.45
829-15431497-011	15431497-011	4.5 mm	30	.86	.73	.69	.64
829-15431497-041	15431497-041	4.5 mm	60	1.65	1.39	1.20	1.09
829-15431497-051	15431497-051	4.5 mm	80	2.20	1.87	1.49	1.35
829-15431496-021	15431496-021	12.0 mm	40	1.15	.98	.87	.75
829-15431496-031	15431496-031	12.0 mm	50	1.37	1.16	.98	.89

KOBICONN — SHORTING JUMPERS

- Fits all standard .100" space headers
- Low insertion and withdrawal forces
- Nail grip for easy removal
- Phosphor bronze gold flash over nickel
- Open-ended option permits stacking and probe testing
- Operating temperature: -65°C to +150°C



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Color	Open/ Closed Top	Price Each 1	100	500	1000
151-8000	Black	Open	.12	.08	.05	.04
151-8001	Blue	Open	.12	.08	.05	.04
151-8003	Red	Open	.12	.08	.05	.04
151-8010	Black	Closed	.12	.08	.05	.04
151-8011	Blue	Closed	.12	.08	.05	.04
151-8013	Red	Closed	.12	.08	.05	.04

KOBICONN — THUMB PULL SHORTING JUMPERS

- Current rating: 3A
- Contact resistance: 7mΩ
- Insertion force: 80g
- Withdrawal force: 112g

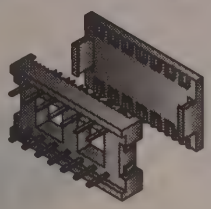
- Gold plated contacts

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Color	Price Each 1	100	500	1000
151-8030	Black	.24	.16	.10	.08
151-8031	Blue	.24	.16	.10	.08
151-8033	Red	.24	.16	.10	.08

KOBICONN — IDC DIP FLAT CABLE PLUGS

DIP plug connectors are ideal for board-to-board or MPU emulation. Ribbed and grooved for positive cable positioning. They provide a low cost interconnect with excellent contact reliability.



Features:
- IDC mass termination
- Gold plated contacts
- Mates with .050" flat cable

Specifications:
- Current rating: 1A
- Insulation resistance: $10^{10}\,\Omega$
- Breakdown voltage: 500VDC
- IDC wire size: 28 AWG/.050" Spacing

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Pin Spacing: (IN)	Price Each 1	10	100	500
151-2P14	14	.100 x .300	.77	.59	.54	.49
151-2P16	16	.100 x .300	.83	.64	.58	.53
151-2P24	24	.100 x .300	.90	.69	.63	.57
151-2P40	40	.100 x .600	1.22	.94	.86	.78

CA Circuit Assembly — STRIP LINE HEADERS

- Post material: phosphor bronze, gold plate over nickel
- Insulator: glass filled nylon, black, UL94V-0
- Side notches for ease of breaking into any number of contacts
- .100" spacing (.1" x .1" dual row)

Right Angle PC — **For quantities of 500 and up, call for qu**

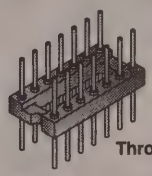
MOUSER STOCK NO.	Circuit Assembly Part No.	Total Positions	Price Each 1	50	1
544-CA-S36RSP100	CA-S36R-24B-10	36 single row	1.76	1.58	

Straight PC — **For quantities of 500 and up, call for qu**

544-CA-S36SP100	CA-S36-24B-44	36 single row	1.12	1.01	
544-CA-D72SP100	CA-D72-24B-44	72 dual row	2.68	2.41	

KOBICONN — COMPONENT HEADERS

Component headers allow discrete components to be assembled to a standard SIP/DIP base, then can be plugged into a socket or soldered directly to a PC board.



- Insulator: PBT 30% glass filled polyester
- Contact: precision machined,gold plated brass
- Pin: gold plated brass
- Current rating: 1A
- Temperature range: -55°C to +125°C
- Flammability rating: UL94V-0

Through Pin

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	No. of Pins	Plating	Pin Spacing: (IN)	Price Each 1	100	500	10
DIP Through Pin Header							
151-23169	16	Gold	.30 x .100	1.82	1.40	1.28	1.
151-23149	14	Gold	.30 x .100	1.57	1.21	1.10	.

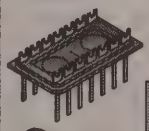
CA Circuit Assembly — SIP COMPONENT HEADER THROUGH H

- Current rating: 3A
- Glass filled polyester UL94V0
- Blue
- Voltage rating: 300 Vrms
- Contacts: gold plated brass

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Circuit Assembly Part No.	No. of pins	Pin Spacing	Price Each 1	50	100	5
544-CA-S32MP	CA-S32MP-E1B	32	.10"	1.76	1.58	1.50	1

CA Circuit Assembly — DIP COMPONENT HEADERS

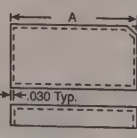


- Current rating: 1A
- Temperature range: -65°C to +125°C
- Contacts: plated brass

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Circuit Assembly Part No.	Contact Plating	No. of Pins	Price Each 1	25	1
544-14P-02	CA-14P-02	Gold	14	1.04	.94	
544-16P-02	CA-16P-02	Gold	16	1.08	.97	

CA Circuit Assembly — COVER FOR 14 & 16 PIN DIP COMPONENT HEADERS



- UL94V-0 glass filled nylon
- Temperature range: -65°C to +125°C

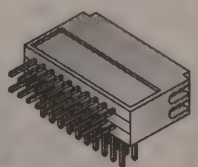
For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Circuit Assembly Part No.	Dimensions: (IN) A	D	E	Price Each 1	25	1
544-14160	CA-14-160-000	.75	.47	.16	.52	.47	
544-16160	CA-16-160-000	.85	.47	.16	.40	.36	

3M — INTRA-CONNECTORS

The Intra-Connector makes inaccessible circuits accessible for testing by providing probe pins in-line between ribbon cable sockets and standard mating. .100" x .100" board connectors.

- Includes one set of female contacts and two sets of male contacts at right angles
- Male contacts are standard .025" square pins



For quantities of 10 and up, call for qu

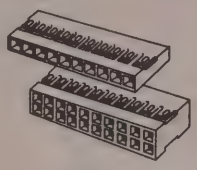
MOUSER STOCK NO.	No. of Contacts	Price Each 1	5
517-922576-20	20	14.84	13.80
517-922576-26	26	15.45	14.37
517-922576-34	34	17.24	15.72
517-922576-40	40	18.90	16.50
517-922576-50	50	22.94	20.65
517-922576-60	60	23.77	20.82

I MINI-LATCH PV™ HOUSING

se with dual metal Mini-PV contacts and crimp-to-wire pins. Allows simultaneous connections of Mini-PV nated conductors on .100" x .100" or .100" x .200" double row to accommodate Mini-PV receptacles or -to-wire male pins. Accepts crimp-to-wire Mini-PV range AWG 22-36 and crimp-to-wire pin AWG 22-32. e with .64mm (.025") square pin with length of 5.08mm (.200") min. to 6.22mm (.245") max.

ures:

de of modified polyphenylene oxide
ted UL 94V-1
lor: black
ulation resistance: 1 x 10^5MΩ min.
mperature range: -40°C to +105°C
hstanding voltage: 100Vrms at sea level
ching force: 6.5 lbs. min. per position
tional polarization plug



gle Row, .100" x .100" Centers

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	No. of Positions	Width (In.)	Price Each			
				1	100	500	1000
-65039-036	65039-036	1	0.1	.31	.28	.23	.21
-65039-035	65039-035	2	0.2	.36	.32	.28	.25
-65039-034	65039-034	3	0.3	.42	.37	.32	.29
-65039-033	65039-033	4	0.4	.44	.39	.34	.31
-65039-032	65039-032	5	0.5	.52	.46	.40	.36
-65039-031	65039-031	6	0.6	.60	.53	.46	.41
-65039-030	65039-030	7	0.7	.60	.53	.46	.41
-65039-029	65039-029	8	0.8	.65	.58	.50	.45
-65039-027	65039-027	10	1.0	.75	.67	.60	.57

ble Row, .100" x .100" Centers

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	No. of Positions	Width (In.)	Price Each			
				1	100	500	1000
-65043-035	65043-035	4	0.2	.62	.55	.48	.43
-65043-034	65043-034	6	0.3	.60	.53	.50	.48
-65043-033	65043-033	8	0.4	.73	.64	.61	.58
-65043-032	65043-032	10	0.5	1.01	.90	.85	.81
-65043-031	65043-031	12	0.6	.90	.75	.60	.55
-65043-030	65043-030	14	0.7	1.43	1.27	1.14	1.09
-65043-029	65043-029	16	0.8	1.25	1.10	1.00	.96
-65043-027	65043-027	20	1.0	1.76	1.66	1.56	1.46
-65043-024	65043-024	26	1.3	1.54	1.41	1.36	1.32
-65043-017	65043-017	40	2.0	2.39	2.11	1.84	1.66

rized Single Row, .100" x .100" Centers

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	No. of Positions	Width (In.)	Price Each			
				1	100	500	1000
-67954-002	67954-002	3	0.3	.49	.45	.43	.42
-78211-003	78211-003	3	0.3	.34	.31	.30	.29
-78211-004	78211-004	4	0.4	.43	.39	.38	.37
-78211-006	78211-006	6	0.6	.62	.57	.55	.53

rized Double Row, .100" x .100" Centers

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	No. of Positions	Width (In.)	Price Each			
				1	100	500	1000
-65846-001	65846-001	24	1.2	1.54	1.41	1.36	1.32
-65846-002	65846-002	30	1.5	1.94	1.75	1.60	1.55
-65846-006	65846-006	20	1.0	1.26	1.18	1.15	1.11
-65846-007	65846-007	14	0.7	1.06	1.00	.97	.94
-65846-010	65846-010	10	0.5	.86	.81	.78	.76
-65846-015	65846-015	6	0.3	.71	.67	.65	.63
-65846-016	65846-016	8	0.4	.69	.65	.62	.60
-69176-006	69176-006	6	0.3	.85	.77	.69	.67
-69176-008	69176-008	8	0.4	.99	.90	.88	.81
-69176-010	69176-010	10	0.5	.97	.89	.87	.84
-69176-012	69176-012	12	0.6	1.25	1.13	1.10	1.01
-69176-014	69176-014	14	0.7	1.40	1.25	1.13	1.10
-69176-016	69176-016	16	0.8	1.31	1.20	1.16	1.13
-69176-020	69176-020	20	1.0	1.54	1.41	1.36	1.32

I BERGCON® SYSTEM POLARIZATION PLUG

cifications:

terial: Nylon UL94V-0, white
mperature Rating: -40°C to +105°C
e with Mini-Latch and Maxi-Latch housings

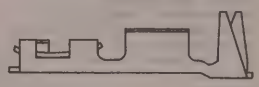
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Price Each			
		1	100	500	1000
-65307-001	65307-001	.14	.13	.12	.11

FCI BERGCON® CRIMP-TO-WIRE MINI-PV™ RECEPTACLES

Mate to .019" and .025" round or square pins. Dual-metal contact design provides constant retention force after repeated cycles. These female receptacles have beryllium-copper spring and brass body and offer superior electrical and mechanical characteristics. Standard spring force is recommended for use in Mini-Latch housings 40-72 positions. High spring force for Mini-Latch housings 10-50 positions. Reel versions are available.

* 1 = 30μ" gold over nickel with gold flash
2 = 15μ" gold over nickel with gold flash
3 = 100μ" tin-lead
4 = 40μ" gold over nickel with gold flash

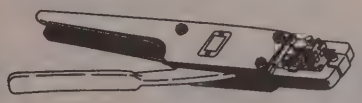


For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	AWG	Spring Force	Plating *	Price Each			
					1	100	500	1000
649-47716-000	47716-000	18,20	High	3	.19	.18	.17	.16
649-48236-000	48236-000	22,24,26	Ult.-high	1	.32	.31	.27	.24
649-48257-000	48257-000	22,24,26	Ult.-high	2	.24	.23	.22	.21
649-47750-000	47750-000	22,24,26	Ult.-High	3	.15	.14	.13	.12
649-48254-000	48254-000	22,24,26	High	2	.18	.17	.16	.15
649-47715-000	47715-000	22,24,26	High	3	.13	.12	.11	.10
649-47712-000	47712-000	22,24,26	High	4	.38	.34	.29	.26
649-48234-000	48234-000	22,24,26	High	1	.40	.36	.34	.32
649-48235-000	48235-000	22,24,26	Stand.	1	.18	.17	.16	.15
649-48251-000	48251-000	22,24,26	Stand.	2	.24	.23	.22	.21
649-47747-000	47747-000	22,24,26	Stand.	3	.14	.13	.11	.10
649-47743-000	47743-000	22,24,26	Stand.	4	.30	.29	.28	.27
649-47745-000	47745-000	22,24,26	Ult.-High	4	.38	.34	.31	.29
649-48239-000	48239-000	28,30,32	Ult.-high	1	.30	.29	.26	.24
649-47748-000	47748-000	28,30,32	High	2	.14	.13	.11	.10
649-48237-000	48237-000	28,30,32	High	1	.32	.31	.27	.24
649-48252-000	48252-000	28,30,32	Stand.	2	.16	.15	.14	.13

FCI HAND TOOLS

Lightweight, rugged hand tools have ratchet-action handle that assures complete crimp cycle.
For application on crimp-to-wire PV receptacles and pins.



MOUSER STOCK NO.	FCI Part No.	Description	AWG	Price Each
649-HT-73	HT-0073	Mini-PV	18-20	649.18
649-HT-95	HT-0095	Mini-PV	22-32	752.17
649-HT-48	HT-0048	Maxi-PV	22-26	634.50
649-HT-80	HT-0080	PV removal tool	- - -	3.38
649-HT-49	HT-0049	Maxi-PV	18-20	634.50
649-HT-110	HT-0110	Pin contacts	18-20	675.00
649-HT-102	HT-0102	Pin contacts	22-32	649.75

FCI MALE CRIMP-TO-WIRE PINS

Crimp-to-wire pin fits in Mini-Latch housings. Mates to Mini-PV receptacles.
0.100" minimum spacing.
Brass contact and gold finish.

Specifications:

- Current rating: 3A continuous depending on wire size
- Resistance: 5mΩ max.
- Temperature range: -65°C to +125°C

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	AWG	Price Each			
			1	100	500	1000
649-48115-000	48115-000	28 - 32	.66	.59	.56	.53
649-48116-000	48116-000	22 - 26	.58	.51	.49	.46
649-48117-000	48117-000	18 - 20	.66	.59	.51	.46

QUICKIE™ IDC VERTICAL 4-WALL SLIMLINE HEADER 2.54 X 2.54 MM (.100" X .100")

Shrouded Headers

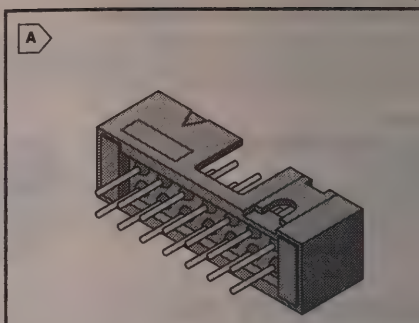
Specifications:

- Housing material: Glass-filled thermoplastic polyester
- Housing style: Low-profile
- Board thickness: 3.18mm (0.125")
- Contact area plating: 0.76 µm (30 µin) GXT™ or 0.76 µm (30 µin) gold
- Tail length: 3.81mm (0.150 in)
- Color: Blue
- Round pins
- Insulation resistance: 100,000 MΩ
- Withstanding voltage: 1000 VAC rms
- Current rating: 3A continuous
- Temperature range: -65°C to + 125°C
- Mounting vertical: Thru-mount
- Mating data: All Quickie™ receptacles, select discrete wiring mini-latch housings

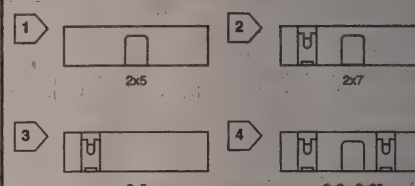
For quantities of 200 or more, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Polarization Style	Contact Area Plating	Price Each			
						1	25	50	100
*649-66506-001	66506-001	A	2x5	1	Gold	.85	.78	.74	.70
*649-66506-031	66506-031	A	2x25	4	Gold	3.27	2.97	2.82	2.68
649-66506-038	66506-038	A	2x7	2	Gold	1.44	1.35	1.32	1.27
*649-66506-043	66506-043	A	2x8	4	Gold	.76	.72	.70	.67
649-66506-050	66506-050	A	2x10	4	GXT	1.55	1.45	1.41	1.36
649-66506-053	66506-053	A	2x20	4	GXT	2.61	2.45	2.38	2.30
*649-66506-066	66506-066	A	2x5	1	GXT	.83	.78	.76	.73
649-66506-119	66506-119	A	2x5	3	GXT	1.11	1.04	1.01	.98

*Tail Length: 2.67mm (0.105)



Polarization Styles:



QUICKIE™ II IDC DUAL-BEAM RECEPTACLES 2.54 X 2.54 MM (.100" X .100")

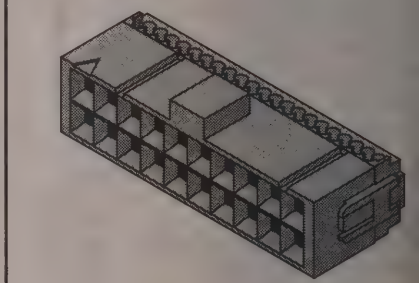
Round Conductor, Flat Cable IDC Connectors

Specifications:

- Housing material: Glass-filled thermoplastic polyester
- Contact area plating: 0.76 µm (30 µin) Gold
- Color: Blue
- Insulation resistance: 50,000 MΩ
- Withstanding voltage: 1000 VAC rms
- Current rating: 1A continuous
- Temperature range: -65°C to + 105°C
- Contact resistance: 15 mΩ max
- Mating data: Mates with 0.64mm (0.025 in) square or round pin from 4.32mm (0.170in) min to 6.35mm (0.25in) max. A nominal 5.84mm (0.23in) is recommended.
- Dual wire entry
- Double-scalloped cable slot assists accurate positioning of the cable over the contacts

For quantities of 200 or more, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Strain Relief	Polarization Style	Price Each			
						1	25	50	100
649-66900-026	66900-026	B	2x13	Yes	Dual	2.50	2.35	2.28	2.21
649-66900-040	66900-040	B	2x20	Yes	Dual	3.47	3.26	3.17	3.06
649-66900-214	66900-214	B	2x7	Yes	Center	1.94	1.84	1.75	1.65
649-66900-220	66900-220	B	2x10	Yes	Center and Dual	1.42	1.35	1.28	1.21
649-66900-226	66900-226	B	2x13	Yes	Center and Dual	2.12	1.99	1.93	1.87
649-66900-234	66900-234	B	2x17	Yes	Center and Dual	1.75	1.66	1.57	1.48
649-66900-240	66900-240	B	2x20	Yes	Center and Dual	2.50	2.35	2.28	2.21
649-66900-250	66900-250	B	2x25	Yes	Center and Dual	3.98	3.74	3.63	3.51
649-66900-310	66900-310	B	2x5	No	Center	.87	.83	.78	.74



QUICKIE™ IDC STRAIGHT 4 WALL EJECT LATCH HEADER 2.54 X 2.54 MM (.100" X .100")

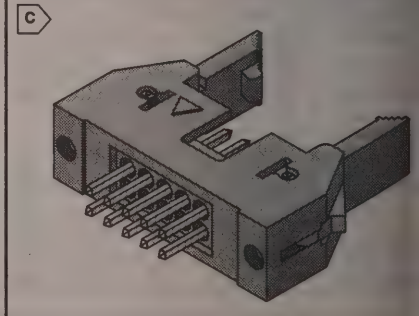
Specifications:

- Mounting vertical: Thru-mount
- Board thickness: 2.36mm (0.093")
- Contact area plating: 0.38 µm (15 µin) Gold
- Tail plating: 2.54 µm (100 µin) Tin-Lead
- Tail length: 3.05 mm (0.120 in)
- Housing material: High temperature thermoplastic
- Housing style: Eject
- Color: Black
- Insulation resistance: 10,000 MΩ min.
- Withstanding voltage: 1500 VAC rms min
- Current rating: 3A continuous
- Temperature range: -65°C to + 125°C
- Mating data: All Quickie™ receptacles, select discrete wiring mini-latch housings

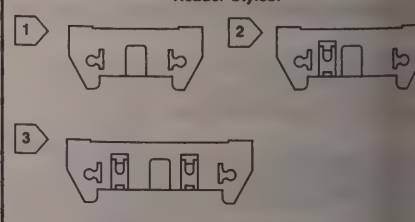
For quantities of 200 or more, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Header * Style	Price Each			
					1	25	50	100
649-53611-S10-4	53611-S10-4	C	2x5	1	1.84	1.75	1.66	1.56
649-53611-S14-4	53611-S14-4	C	2x7	2	1.64	1.54	1.46	1.38
649-53611S16-4	53611-S16-4	C	2x8	3	1.25	1.13	1.08	1.02
649-53611-S20-4	53611-S20-4	C	2x10	3	1.80	1.71	1.62	1.53
649-53611-S26-4	53611-S26-4	C	2x13	3	2.15	2.04	1.93	1.83

*Latches not Shown



Header Styles:



4MM X 2.54MM (.100" X .100") QUICKIE™ III IDC SINGLE-BEAM RECEPTACLE

ifications:

tact area plating: 0.76μm(30μ") gold
ter and dual polarization
sing Material: Glass-filled thermoplastic polyester
r: Gray
e entry: Dual
lation resistance: 50,000MΩ
standing voltage: 1000VAC rms
ent rating: 1A continuous

- Temperature range: -65°C to + 105°C
- Contact resistance: 15mΩ max.
- Contact base material: Copper alloy
- Contact underplating: 1.27μm (50μ") nickel
- Mating data: Mates with 0.64mm (.025") square or round pin from 4.32mm (.170") min. to 6.35mm (.025") max. A nominal 5.84mm (.230") is recommended

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Standard Strain Relief	Central Key	Price Each			
						1	25	50	100
9-71600-010	71600-010	A	2x5	Yes	Yes	1.38	1.30	1.26	1.22
9-71600-014	71600-014	A	2x7	Yes	Yes	.61	.57	.56	.54
9-71600-016	71600-016	A	2x8	Yes	Yes	1.45	1.36	1.32	1.28
9-71600-020	71600-020	A	2x10	Yes	Yes	.77	.73	.71	.68
9-71600-026	71600-026	A	2x13	Yes	Yes	.87	.82	.80	.77
9-71600-034	71600-034	A	2x17	Yes	Yes	1.06	1.00	.97	.94
9-71600-040	71600-040	A	2x20	Yes	Yes	1.23	1.15	1.12	1.08
9-71600-044	71600-044	A	2x22	Yes	Yes	1.99	1.89	1.79	1.69
9-71600-050	71600-050	A	2x25	Yes	Yes	1.94	1.82	1.77	1.71
9-71600-060	71600-060	A	2x30	Yes	Yes	1.74	1.63	1.59	1.53
9-71600-064	71600-064	A	2x32	Yes	Yes	1.79	1.68	1.63	1.58
9-71600-108	71600-108	A	2x4	No	Yes	.31	.29	.28	.27

Polarization Only

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Standard Strain Relief	Central Key	Price Each			
						1	25	50	100
9-71600-306	71600-306	A	2x3	Yes	No	.96	.90	.88	.85
9-71600-308	71600-308	A	2x4	Yes	No	1.07	1.04	.98	.94
9-71600-310	71600-310	A	2x5	Yes	No	.98	.90	.84	.80
9-71600-314	71600-314	A	2x7	Yes	No	.61	.58	.56	.54

4MM X 2.54MM (.100" X .100") QUICKIE™ III HEADERS

ifications:

tact area plating: 0.76μm (30μ") gold
dard polarization
ength: 2.90mm (.114")
plating: 3.81μm (150μ") Tin-lead
sing material: Glass-filled thermoplastic polyester
r: Gray

- Housing style: Eject
- Insulation resistance: 100,000MΩ
- Withstanding voltage: 1000VAC rms
- Current rating: 1A continuous
- Temperature range: -65°C to + 125°C

ight Header with Dual Polarization Slots

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Board Thru Mount	Left Polarization	Price Each			
						1	25	50	100
9-71918-110	71918-110	B	2x5	Yes	No	.93	.88	.85	.82
9-71918-114	71918-114	B	2x7	Yes	No	1.06	1.00	.97	.93
9-71918-116	71918-116	B	2x8	Yes	Yes	1.10	1.04	1.01	.97
9-71918-120	71918-120	B	2x10	Yes	Yes	1.25	1.18	1.14	1.11
9-71918-126	71918-126	B	2x13	Yes	Yes	1.44	1.35	1.32	1.27
9-71918-134	71918-134	B	2x17	Yes	Yes	1.65	1.55	1.51	1.46
9-71918-140	71918-140	B	2x20	Yes	Yes	1.90	1.79	1.74	1.68
9-71918-150	71918-150	B	2x25	Yes	Yes	2.33	2.19	2.13	2.05
9-71918-160	71918-160	B	2x30	Yes	Yes	2.69	2.53	2.46	2.37
9-71918-164	71918-164	B	2x32	Yes	Yes	2.84	2.67	2.59	2.50

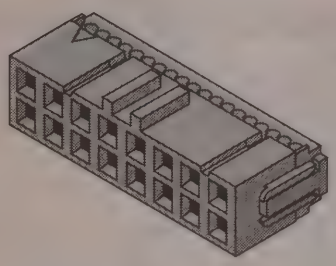
t Angle Headers

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Board Thru Mount	Left Polarization	Price Each			
						1	25	50	100
9-71922-106	71922-106	C	2x3	Yes	No	.83	.78	.75	.73
9-71922-110	71922-110	C	2x5	Yes	No	.93	.88	.85	.82
9-71922-116	71922-116	C	2x8	Yes	Yes	1.10	1.04	1.01	.97
9-71922-120	71922-120	C	2x10	Yes	Yes	1.25	1.18	1.14	1.10
9-71922-126	71922-126	C	2x13	Yes	Yes	1.44	1.35	1.32	1.27
9-71992-134	71922-134	C	2x17	Yes	Yes	1.65	1.55	1.51	1.46
9-71922-140	71922-140	C	2x20	Yes	Yes	1.91	1.80	1.74	1.68
9-71922-144	71922-144	C	2x22	Yes	Yes	2.07	1.95	1.90	1.83
9-71922-150	71922-150	C	2x25	Yes	Yes	2.33	2.19	2.13	2.05
9-71922-160	71922-160	C	2x30	Yes	Yes	2.69	2.53	2.46	2.37
9-71922-164	71922-164	C	2x32	Yes	Yes	2.84	2.67	2.59	2.50

central slot on position 6

A



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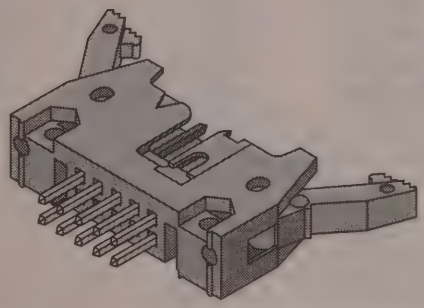

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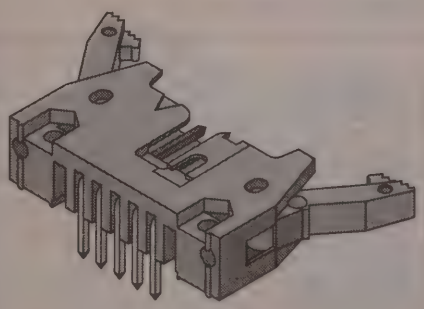
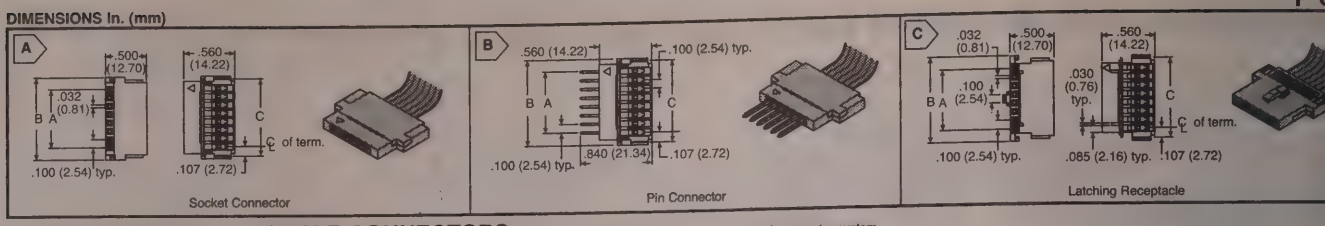


DIMENSIONS In. (mm)



FCI CLINCHER™ FLAT CABLE CONNECTORS

Single row high performance .100" (2.54mm) connector system

Features

- Terminates flat flexible cable or flexible etched circuitry for wire-to-board or board to board applications
- Headers offer passive latching and end polarization
- .30" standoffs aid in PCB cleaning
- Mates with .025" (.635mm) square or round pins on .100" (2.54mm) centers
- Dual metal PV contacts provide excellent electrical and mechanical performance.
- Receptacles are mass terminated without cable stripping
- Receptacles contact is highly reliable
- Mounting: PCB straight
- Pins are made from Drawn wire
- Clinching portion of contact forms gastight crimp to prevent contamination

Specifications:

- Receptacle housing: polypropylenet (UL94V-0)
- Header housing: LCP (UL94V-0)
- Color:
  Receptacle:blue
  Header: black
- Temperature range:
  Receptacle: -65°C to +105°C
  Header: -55°C to +130°C
- Header pins: phosphor-bronze
- Insulation resistance: 5 MΩ
- Contact resistance (receptacle): 15 MΩ
- Receptacle contact: copper alloy
- Current rating (receptacle): 2.0 amps
- Withstanding voltage: 1,000 V AC rms

Socket Connectors (Female)

For quantities of 200 and up, call for q

MOUSER STOCK NO.	FCI Part No.	Fig.	Number of Positions	Contact Area Plating	Dimensions In. (mm)			Price Each			
					A	B	C	1	25	50	1
649-65801-002	65801-002	A	2	100 µin Tin/Lead	0.100 (2.54)	0.390 (9.91)	0.315 (8.00)	1.02	.93	.88	
649-65801-003	65801-003	A	3	100 µin Tin/Lead	0.200 (5.08)	0.490 (12.45)	0.415 (10.54)	1.20	1.01	.84	
649-65801-004	65801-004	A	4	100 µin Tin/Lead	0.300 (7.62)	0.590 (14.99)	0.515 (13.08)	.63	.61	.58	
649-65801-005	65801-005	A	5	100 µin Tin/Lead	0.400 (10.16)	0.690 (17.53)	0.515 (15.62)	.76	.69	.65	
649-65801-006	65801-006	A	6	100 µin Tin/Lead	0.500 (12.70)	0.790 (20.07)	0.715 (18.16)	.81	.79	.76	
649-65801-007	65801-007	A	7	100 µin Tin/Lead	0.600 (15.24)	0.890 (22.61)	0.815 (20.70)	.87	.79	.75	
649-65801-008	65801-008	A	8	100 µin Tin/Lead	0.700 (17.78)	0.990 (25.15)	0.915 (23.24)	.91	.89	.85	
649-65801-009	65801-009	A	9	100 µin Tin/Lead	0.800 (20.32)	1.090 (27.69)	1.015 (25.78)	1.03	.94	.89	
649-65801-010	65801-010	A	10	100 µin Tin/Lead	0.900 (22.86)	1.190 (30.23)	1.115 (28.32)	1.08	1.06	1.01	
649-65801-011	65801-011	A	11	100 µin Tin/Lead	1.000 (25.40)	1.290 (32.77)	1.215 (30.86)	1.26	1.23	1.18	1.
649-65801-012	65801-012	A	12	100 µin Tin/Lead	1.100 (27.94)	1.390 (35.31)	1.315 (33.40)	1.50	1.46	1.40	1.
649-65801-013	65801-013	A	13	100 µin Tin/Lead	1.200 (30.48)	1.490 (37.85)	1.415 (35.94)	1.60	1.46	1.38	1.
649-65801-014	65801-014	A	14	100 µin Tin/Lead	1.300 (33.02)	1.590 (40.39)	1.515 (38.48)	1.45	1.42	1.35	1.
649-65801-015	65801-015	A	15	100 µin Tin/Lead	1.400 (35.56)	1.690 (42.93)	1.615 (41.02)	1.65	1.50	1.42	1.
649-65801-016	65801-016	A	16	100 µin Tin/Lead	1.500 (38.10)	1.790 (45.47)	1.715 (43.56)	1.81	1.64	1.56	1.
649-65801-017	65801-017	A	17	100 µin Tin/Lead	1.600 (40.64)	1.890 (48.01)	1.815 (46.10)	2.17	1.98	1.88	1.
649-65801-018	65801-018	A	18	100 µin Tin/Lead	1.700 (43.18)	1.990 (50.55)	1.915 (48.64)	2.24	2.04	1.94	1.
649-65801-020	65801-020	A	20	100 µin Tin/Lead	1.900 (48.26)	2.190 (55.63)	2.115 (53.72)	2.15	1.96	1.86	1.
649-65801-022	65801-022	A	22	100 µin Tin/Lead	2.100 (53.34)	2.390 (60.71)	2.315 (58.80)	2.65	2.41	2.29	2.
649-65801-034	65801-034	A	5	30 µin Gold	0.400 (10.16)	0.690 (17.53)	0.615 (15.62)	1.44	1.31	1.24	1.
649-65801-035	65801-035	A	6	30 µin Gold	0.500 (12.70)	0.790 (20.07)	0.715 (18.16)	1.62	1.48	1.40	1.
649-65801-036	65801-036	A	7	30 µin Gold	0.600 (15.24)	0.890 (22.61)	0.815 (20.70)	1.69	1.54	1.46	1.
649-65801-037	65801-037	A	8	30 µin Gold	0.700 (17.78)	0.990 (25.15)	0.915 (23.24)	1.81	1.64	1.56	1.
649-65801-038	65801-038	A	9	30 µin Gold	0.800 (20.32)	1.090 (27.69)	1.015 (25.78)	1.99	1.81	1.72	1.
649-65801-039	65801-039	A	10	30 µin Gold	0.900 (22.86)	1.190 (30.23)	1.115 (28.32)	2.24	2.04	1.94	1.
649-65801-041	65801-041	A	12	30 µin Gold	1.100 (27.94)	1.390 (35.31)	1.315 (33.40)	2.65	2.41	2.29	2.
649-65801-044	65801-044	A	15	30 µin Gold	1.400 (35.56)	1.690 (42.93)	1.615 (41.02)	4.39	3.99	3.79	3.
649-65801-045	65801-045	A	16	30 µin Gold	1.500 (38.10)	1.790 (45.47)	1.715 (43.56)	4.14	3.76	3.58	3.
649-65801-063	65801-063	A	2	30 µin Gold	0.100 (2.54)	0.390 (9.91)	0.315 (8.00)	1.14	1.04	.99	

Pin Connectors (Male)

For quantities of 200 and up, call for q

MOUSER STOCK NO.	FCI Part No.	Fig.	Number of Positions	Contact Area Plating	Dimensions In. (mm)			Price Each			
					A	B	C	1	25	50	1
649-66226-004	66226-004	B	4	100 µin Tin/Lead	0.300 (7.62)	0.590 (14.99)	0.515 (13.08)	.93	.91	.87	
649-66226-006	66226-006	B	6	100 µin Tin/Lead	0.500 (12.70)	0.790 (20.07)	0.715 (18.16)	1.04	1.01	.97	
649-66226-008	66226-008	B	8	100 µin Tin/Lead	0.700 (17.78)	0.990 (25.15)	0.915 (23.24)	1.26	1.23	1.18	1.
649-66226-010	66226-010	B	10	100 µin Tin/Lead	0.900 (22.86)	1.190 (30.23)	1.115 (28.32)	1.55	1.52	1.45	1.
649-66226-013	66226-013	B	13	100 µin Tin/Lead	1.200 (30.48)	1.490 (37.85)	1.415 (35.94)	2.01	1.97	1.88	1.

Latching Receptacles (Female)

Mates with .635mm (.025") square or round pins on 2.54mm (.100") centers with outside latch provisions.

For quantities of 200 and up, call for q

MOUSER STOCK NO.	FCI Part No.	Fig.	Number of Positions	Contact Area Plating	Dimensions In. (mm)			Price Each			
					A	B	C	1	25	50	1
649-10022753-006	10022753-006	C	6	100 µin Tin/Lead	0.500 (12.70)	0.790 (20.07)	0.715 (18.16)	.63	.61	.58	
649-10022753-007	10022753-007	C	7	100 µin Tin/Lead	0.600 (15.24)	0.890 (22.61)	0.815 (20.70)	.70	.68	.65	
649-10022753-008	10022753-008	C	8	100 µin Tin/Lead	0.700 (17.78)	0.990 (25.15)	0.915 (23.24)	.74	.72	.69	
649-10022753-009	10022753-009	C	9	100 µin Tin/Lead	0.800 (20.32)	1.090 (27.69)	1.015 (25.78)	.83	.82	.78	
649-10022753-010	10022753-010	C	10	100 µin Tin/Lead	0.900 (22.86)	1.190 (30.23)	1.115 (28.32)	1.02	1.00	.95	
649-10022753-011	10022753-011	C	11	100 µin Tin/Lead	1.000 (25.40)	1.290 (32.77)	1.215 (30.86)	1.11	1.09	1.04	
649-10022753-012	10022753-012	C	12	100 µin Tin/Lead	1.100 (27.94)	1.390 (35.31)	1.315 (33.40)	1.16	1.13	1.08	1.
649-10022753-013	10022753-013	C	13	100 µin Tin/Lead	1.200 (30.48)	1.490 (37.85)	1.415 (35.94)	1.25	1.22	1.17	1.
649-10022753-014	10022753-014	C	14	100 µin Tin/Lead	1.300 (33.02)	1.590 (40.39)	1.515 (38.48)	1.35	1.32	1.26	1.
649-10022753-015	10022753-015	C	15	100 µin Tin/Lead	1.400 (35.56)	1.690 (42.93)	1.615 (41.02)	1.44	1.41	1.34	1.
649-10022753-016	10022753-016	C	16	100 µin Tin/Lead	1.500 (38.10)	1.790 (45.47)	1.715 (43.56)	1.53	1.50	1.43	1.
649-10022753-017	10022753-017	C	17	100 µin Tin/Lead	1.600 (40.64)	1.890 (48.01)	1.815 (46.10)	1.65	1.61	1.54	1.
649-10022753-020	10022753-020	C	20	100 µin Tin/Lead	1.900 (48.26)	2.190 (55.63)	2.115 (53.72)	1.77	1.61	1.53	1.
649-10022753-039	10022753-039	C	6	30 µin Gold	0.500 (12.70)	0.790 (20.07)	0.715 (18.16)	.81	.79	.76	
649-10022753-041	10022753-041	C	8	30 µin Gold	0.700 (17.78)	0.990 (25.15)	0.915 (23.24)	1.04	1.02	.97	
649-10022753-042	10022753-042	C	9	30 µin Gold	0.800 (20.32)	1.090 (27.69)	1.015 (25.78)	1.16	1.13	1.08	1.
649-10022753-043	10022753-043	C	10	30 µin Gold	0.900 (22.86)	1.190 (30.23)	1.115 (28.32)	1.35	1.32	1.26	1.

FCI

RGSTAK® 0.8MM HIGH DENSITY, BOARD-STACKING CONNECTORS

or applications such as Mobile Phones, PDA's, Pagers, Digital Cameras, Servers, and Office Equipment.
sted do not have vacuum pickup cap.

ifications:
sing Material: LCP
tact Base Material: Copper alloy
tact Area Plating: 8µ" (.20µm) gold
tact Underplating: 50µ" (1.27µm) nickel
perature Range: -40°C to + 85°C
lation Resistance: 500MΩ min. (initial), 100MΩ min. (after test)
tact Resistance: 30MΩ max. (initial), 50MΩ max. (after test)
ent Rating: 0.5A
age Rating: 100VAC

Features:
- Parallel board-to-board interconnects
- Surface mount
- Blade-on-beam contacts allow "peeling" and prevent "stubbing"
- Polarization peg

For quantities of 200 or more, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Gender	Combination of Mated Height	No. of Positions	Price Each			
						1	25	50	100
61082-041400LF	61082-041400LF	A	Receptacle	3.70 mm	40	2.50	2.27	2.16	2.04
61082-043400LF	61082-043400LF	A	Receptacle	11.70 mm	40	2.62	2.38	2.26	2.14
61082-061400LF	61082-061400LF	A	Receptacle	3.70 mm	60	3.02	2.74	2.60	2.47
61082-062400LF	61082-062400LF	A	Receptacle	7.70 mm	60	3.10	2.82	2.68	2.54
61082-063400LF	61082-063400LF	A	Receptacle	11.70 mm	60	3.17	2.88	2.74	2.60
61082-082400LF	61082-082400LF	A	Receptacle	7.70 mm	80	3.63	3.30	3.13	2.97
61082-141400LF	61082-141400LF	A	Receptacle	3.70 mm	140	5.17	4.70	4.46	4.23
61082-143400LF	61082-143400LF	A	Receptacle	11.70 mm	140	5.45	4.96	4.71	4.46
61083-042400LF	61083-042400LF	B	Plug	5.70 mm	40	2.32	2.11	2.01	1.90
61083-043400LF	61083-043400LF	B	Plug	6.70 mm	40	2.38	2.17	2.06	1.95
61083-044400LF	61083-044400LF	B	Plug	7.70 mm	40	2.44	2.22	2.11	2.00
61083-062400LF	61083-062400LF	B	Plug	5.70 mm	60	2.82	2.57	2.44	2.31
61083-063400LF	61083-063400LF	B	Plug	6.70 mm	60	2.88	2.62	2.48	2.35
61083-064400LF	61083-064400LF	B	Plug	7.70 mm	60	2.93	2.66	2.53	2.40
61083-082400LF	61083-082400LF	B	Plug	5.70 mm	80	3.30	3.00	2.85	2.70
61083-083400LF	61083-083400LF	B	Plug	6.70 mm	80	3.37	3.06	2.91	2.76
61083-084400LF	61083-084400LF	B	Plug	7.70 mm	80	3.46	3.15	2.99	2.83
61083-142400LF	61083-142400LF	B	Plug	5.70 mm	140	4.80	4.36	4.15	3.93
61083-143400LF	61083-143400LF	B	Plug	6.70 mm	140	4.92	4.48	4.25	4.03
61083-144400LF	61083-144400LF	B	Plug	7.70 mm	140	5.04	4.59	4.36	4.13

EXPRESS™ 1.00MM PITCH VERTICAL CARD EDGE CONNECTORS

press™ is a trademark of PCI-SIG.

10018783 suitable for reflow soldering
plications in desktops and servers using PCI Express™ technology.

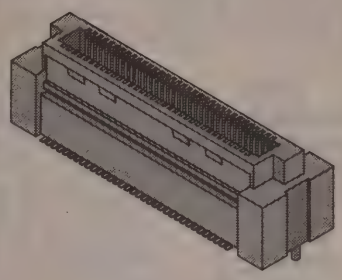
fications:
ing Color & Material: Black, high temperature
, glass-filled, UL94V-0
act Material: Copper alloy
r Area Plating: 2.54µm (100µ") tin over 1.27µm (50µ") nickel
bility (mating cycles): 50
ation Resistance: 1000MΩ
standing Voltage: 300VAC
nt Rating: 1.1amps for 7 specified power contacts and 7
set ground contacts
act Resistance: 30mΩ max. (initial) with 10mΩ max. change
exposure testing
perature Range: -40°C to +85°C

Features:
- Used to enable the implementation of high-speed, serial PCI Express™ architecture
- Each serial link supports 2.5 Gps (per direction)
- Through-mount tail length options for use on 1.58mm (.062") or 2.36mm (.093") thick motherboards

For quantities of 200 or more, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Host PCB Thickness	Link Width	Price Each			
						1	25	50	100
18783-10100TLF	10018783-10100TLF	C	36	1.57mm (0.062")	1x	1.18	1.08	.99	.94
18783-10101TLF	10018783-10101TLF	C	64	1.57mm (0.062")	4x	1.73	1.59	1.45	1.38
18783-10102TLF	10018783-10102TLF	C	98	1.57mm (0.062")	8x	2.30	2.12	1.93	1.84
18783-10103TLF	10018783-10103TLF	C	164	1.57mm (0.062")	16x	3.73	3.43	3.13	2.98
18783-10110TLF	10018783-10110TLF	C	36	2.36mm (0.093")	1x	1.18	1.08	.99	.94
18783-10111TLF	10018783-10111TLF	C	64	2.36mm (0.093")	4x	1.73	1.59	1.45	1.38
18783-10112TLF	10018783-10112TLF	C	98	2.36mm (0.093")	8x	2.30	2.12	1.93	1.84
18783-10113TLF	10018783-10113TLF	C	164	2.36mm (0.093")	16x	3.73	3.43	3.13	2.98

A



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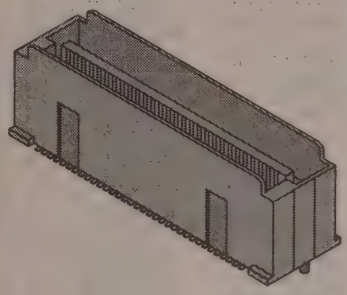

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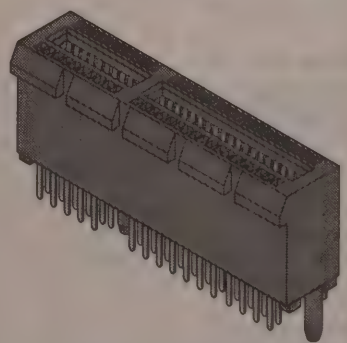


CONAN™ 1.00MM (.039") HIGH DENSITY MEZZANINE STACKING CONNECTORS

Features:

- Low-profile, surface-mount connectors for parallel board stacking
- 0.38um PdNi with gold flash finish in contact area; contacts on1mm (.039") spacing
- Robust high retention connection performs well in mobile applications
- Current rating: 1 amp per contact
- Options for 4.5mm and 5.0mm stack heights are also available
- Tube-packaged options are listed; tape-on-reel packaging is also available

Vertical Receptacles with Orientation Posts

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Plating	Price Each			
					1	25	50	100
649-91930-21109	91930-21109	A	9	15 gold	2.12	2.01	1.89	1.77
649-91930-21111	91930-21111	A	11	15 gold	2.27	2.14	2.02	1.89
649-91930-21115	91930-21115	A	15	15 gold	2.52	2.38	2.24	2.10
649-91930-21121	91930-21121	A	21	15 gold	2.88	2.72	2.56	2.40
649-91930-21125	91930-21125	A	25	15 gold	3.10	2.92	2.75	2.58
649-91930-21131	91930-21131	A	31	15 gold	3.64	3.43	3.23	3.03
649-91930-21141	91930-21141	A	41	15 gold	4.57	4.32	4.06	3.81
649-91930-21151	91930-21151	A	51	15 gold	5.36	5.07	4.77	4.47
649-91930-21169	91930-21169	A	69	15 gold	6.41	6.05	5.70	5.34

Vertical Plugs with Orientation Posts

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Plating	Stacking Height	Price Each			
						1	25	50	100
649-91910-21109	91910-21109	B	9	15 gold	4.15mm	1.94	1.84	1.73	1.62
649-91910-21409	91910-21409	B	9	15 gold	6.00mm	1.94	1.84	1.73	1.62
649-91910-21509	91910-21509	B	9	15 gold	7.00mm	1.94	1.84	1.73	1.62
649-91910-21111	91910-21111	B	11	15 gold	4.15mm	2.09	1.97	1.86	1.74
649-91910-21411	91910-21411	B	11	15 gold	6.00mm	2.09	1.97	1.86	1.74
649-91910-21511	91910-21511	B	11	15 gold	7.00mm	2.09	1.97	1.86	1.74
649-91910-21115	91910-21115	B	15	15 gold	4.15mm	2.30	2.18	2.05	1.92
649-91910-21415	91910-21415	B	15	15 gold	6.00mm	2.30	2.18	2.05	1.92
649-91910-21515	91910-21515	B	15	15 gold	7.00mm	2.30	2.18	2.05	1.92
649-91910-21121	91910-21121	B	21	15 gold	4.15mm	2.63	2.48	2.34	2.19
649-91910-21421	91910-21421	B	21	15 gold	6.00mm	2.63	2.48	2.34	2.19
649-91910-21521	91910-21521	B	21	15 gold	7.00mm	2.63	2.48	2.34	2.19
649-91910-21125	91910-21125	B	25	15 gold	4.15mm	2.84	2.69	2.53	2.37
649-91910-21425	91910-21425	B	25	15 gold	6.00mm	2.84	2.69	2.53	2.37
649-91910-21525	91910-21525	B	25	15 gold	7.00mm	2.84	2.69	2.53	2.37
649-91910-21131	91910-21131	B	31	15 gold	4.15mm	3.38	3.20	3.01	2.82
649-91910-21431	91910-21431	B	31	15 gold	6.00mm	3.38	3.20	3.01	2.82
649-91910-21531	91910-21531	B	31	15 gold	7.00mm	3.38	3.20	3.01	2.82
649-91910-21141	91910-21141	B	41	15 gold	4.15mm	4.21	3.98	3.74	3.51
649-91910-21441	91910-21441	B	41	15 gold	6.00mm	4.21	3.98	3.74	3.51
649-91910-21541	91910-21541	B	41	15 gold	7.00mm	4.21	3.98	3.74	3.51
649-91910-21151	91910-21151	B	51	15 gold	4.15mm	4.97	4.69	4.42	4.14
649-91910-21551	91910-21551	B	51	15 gold	7.00mm	4.97	4.69	4.42	4.14
649-91910-21169	91910-21169	B	69	15 gold	4.15mm	5.90	5.58	5.25	4.92
649-91910-21469	91910-21469	B	69	15 gold	6.00mm	5.90	5.58	5.25	4.92

MINITEK™ II 2.00MM (.079") UNSHROUDED CONNECTORS

Features:

- Housing: Glass-filled nylon UL94V-0
- Pin: Phosphor-Bronze

Minitek™ Headers

For quantities of 2000 and up, call for quote.

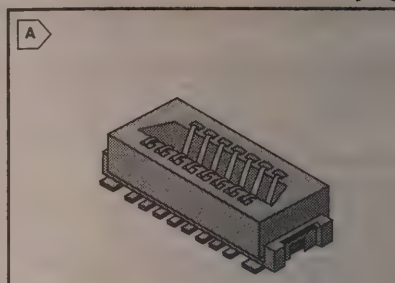
MOUSER STOCK NO.	FCI Part No.	Fig.	Plating	No. of Pos.	Price Each			
					1	100	500	1000
Vertical Through Mount Headers								
649-57102-F08-25	57102-F08-25	C	8μ" gold	2x25	1.32	1.18	1.05	.87
Right Angle Headers								
*649-86453-526	86453-526	D	15μ" GXT™	2x13	.99	.89	.79	.66
*649-86453-550	86453-550	D	15μ" GXT™	2x25	1.55	1.41	1.26	1.04
*649-58102-S61-13	58102-S61-13	D	15μ" Gold	2x13	.97	.88	.83	.79

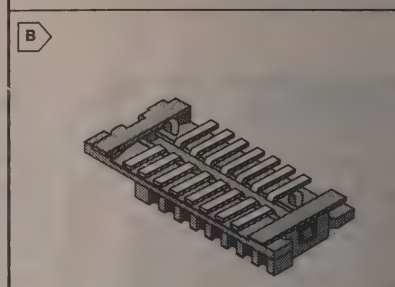
*15μ" GXT™ palladium-nickel alloy

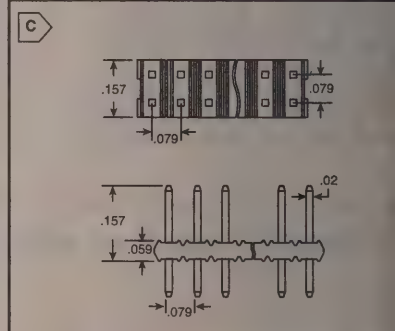
Minitek™ Shunt

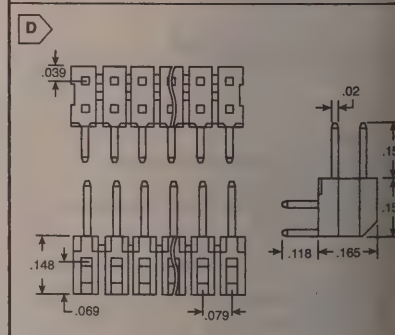
For quantities of 2000 and up, call for quote.

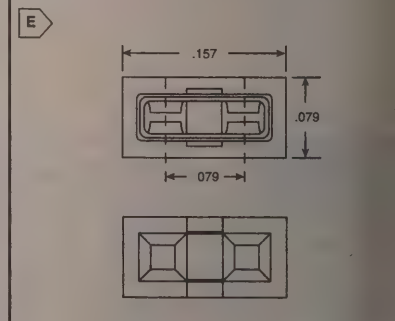
MOUSER STOCK NO.	FCI Part No.	Fig.	Description	Price Each			
				1	100	500	1000
649-86730-001	86730-001	E	2mm (.079") pitch shunt	.12	.11	.10	.08











MOUSER ELECTRONICS a ttl company

RGCON® .100" VERTICAL PCB MOUNTED CEPTACLE ASSEMBLIES, THRU-MOUNT

ures:

igned for parallel board-to-board stacking on .100" x .100" centerlines
l metal PV brass contacts duplex plated with 30µ" gold in contact area,
µ" tin-lead in solder area, and 50µ" nickel underplated overall
yllium copper thermoplastic polyester housings, rated UL 94V-O
ng member plated with gold flash
e with .025" square or round pins

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions mm (IN)	Price Each 1	25	50	100
gle Row .140" (3.56) Long Solder Tail: Tin-Lead								
66951-006	66951-006	A	1x6	15.24 (0.60)	.76	.72	.68	.65
66951-008	66951-008	A	1x8	20.32 (0.80)	.90	.86	.81	.77
66951-012	66951-012	A	1x12	30.48 (1.20)	1.30	1.24	1.17	1.11
66951-014	66951-014	A	1x14	35.56 (1.40)	1.50	1.43	1.35	1.28
66951-016	66951-016	A	1x16	40.64 (1.60)	1.66	1.58	1.50	1.41
66951-017	66951-017	A	1x17	43.18 (1.70)	2.16	1.98	1.80	1.71
66951-018	66951-018	A	1x18	45.72 (1.80)	1.88	1.79	1.69	1.60
66951-020	66951-020	A	1x20	50.80 (2.00)	2.10	2.00	1.89	1.79
ble Row .140" (3.56) Long Solder Tail: Tin-Lead								
66953-006	66953-006	B	2x6	15.24 (0.60)	1.43	1.36	1.30	1.24
66953-007	66953-007	B	2x7	17.78 (0.70)	1.68	1.61	1.53	1.46
66953-008	66953-008	B	2X8	20.32 (0.80)	2.02	1.74	1.52	1.41
66953-010	66953-010	B	2x10	25.40 (1.00)	2.74	2.62	2.50	2.38
66953-014	66953-014	B	2x14	35.56 (1.40)	3.15	3.01	2.88	2.74
66953-015	66953-015	B	2x15	38.10 (1.50)	3.35	3.21	3.07	2.92
66953-017	66953-017	B	2x17	43.18 (1.70)	3.82	3.65	3.32	3.15
66953-020	66953-020	B	2x20	50.80 (2.00)	4.11	3.93	3.74	3.55
66953-025	66953-025	B	2x25	63.50 (2.50)	4.94	4.72	4.50	4.27
66953-030	66953-030	B	2x30	76.20 (3.00)	6.56	6.26	5.96	5.66
ble Row .120" (3.05) Long Solder Tail: Tin-Lead								
66956-006	66956-006	C	2x6	15.24 (0.60)	1.55	1.43	1.30	1.18
66956-007	66956-007	C	2x7	17.78 (0.70)	1.86	1.68	1.53	1.46
66956-010	66956-010	C	2x10	25.40 (1.00)	2.02	1.92	1.82	1.72
66956-014	66956-014	C	2x14	35.56 (1.40)	2.74	2.60	2.47	2.33
66956-015	66956-015	C	2x15	38.10 (1.50)	2.37	2.16	2.05	1.94
66956-017	66956-017	C	2x17	43.18 (1.70)	2.69	2.44	2.32	2.20
66956-020	66956-020	C	2x20	50.80 (2.00)	5.45	4.56	4.18	3.80
66956-030	66956-030	C	2x30	76.20 (3.00)	8.17	6.85	6.27	5.70

RGCON® VERTICAL LATCHING SYSTEM II 54MM X 2.54MM / .100" X .100") CENTERLINES

ures:

s Mini-PV™ receptacles and
wn-wire pins for high reliability
sive latching
gle and double row configurations
upy minimal real estate

Specifications:

- Material: PCT (UL 94 V-0)
- Color: Black
- Plating: 0.76µm (30µ") gold over 1.27µm (50µ") nickel

ight Header

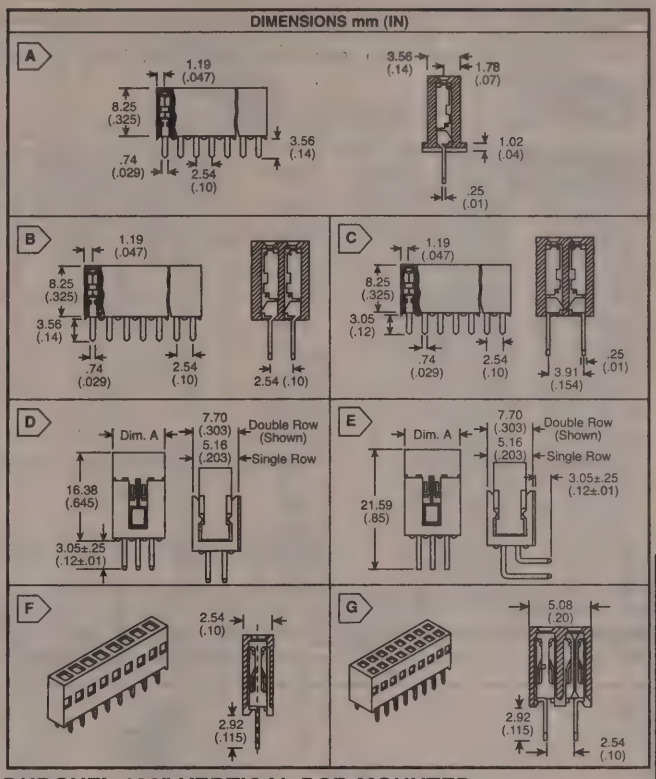
For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimension A mm (IN)	Price Each 1	25	50	100
gle Row								
69167-104	69167-104	D	1x4	10.16 (0.40)	.50	.43	.38	.35
69167-105	69167-105	D	1x5	12.70 (0.50)	.63	.54	.47	.44
69167-106	69167-106	D	1x6	15.24 (0.60)	.73	.62	.55	.51
69167-107	69167-107	D	1x7	17.78 (0.70)	.88	.75	.66	.62
69167-108	69167-108	D	1x8	20.32 (0.80)	.90	.77	.67	.63
ble Row								
69168-110	69168-110	D	2x5	12.70 (0.50)	1.20	1.03	.90	.84
69168-112	69168-112	D	2x6	15.24 (0.60)	1.05	.90	.79	.74
69168-116	69168-116	D	2x8	20.32 (0.80)	1.41	1.21	1.05	.99
69168-126	69168-126	D	2x13	33.02 (1.30)	2.29	1.96	1.71	1.60

nt Angle Headers

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimension A mm (IN)	Price Each 1	25	50	100
gle Row								
78208-103	78208-103	E	1x3	7.62 (0.30)	.40	.34	.30	.28
78208-104	78208-104	E	1x4	10.16 (0.40)	.52	.45	.40	.37
78208-105	78208-105	E	1x5	12.70 (0.50)	.66	.57	.49	.46
78208-106	78208-106	E	1x6	15.24 (0.60)	.79	.68	.59	.55
78208-110	78208-110	E	1x10	25.40 (1.00)	1.08	1.03	.98	.93
ble Row								
78207-106	78207-106	E	2x3	7.62 (0.30)	.79	.68	.59	.55
78207-108	78207-108	E	2x4	10.16 (0.40)	1.05	.90	.79	.74
78207-110	78207-110	E	2x5	12.70 (0.50)	1.32	1.13	.99	.92
78207-112	78207-112	E	2x6	15.24 (0.60)	1.11	.94	.83	.78
78207-116	78207-116	E	2x8	20.32 (0.80)	1.48	1.27	1.11	1.03
78207-130	78207-130	E	2x15	38.10 (1.50)	2.77	2.37	2.08	1.94



DUBOX™ .100" VERTICAL PCB MOUNTED RECEPTACLE ASSEMBLIES LOW PROFILE, THRU-MOUNT

Features:

- Top entry PC board mount receptacles can be stacked side-by-side on .100" centerlines
- Preloaded dual cantilever beam phosphor bronze contacts plated with 30µ" gold in contact area
- 100µ" tin-lead in solder area and 50µ" nickel underplated overall
- Solder tail length: .115"
- Molded housings: Rated UL 94V-O, feature beveled "lead-in" ramps to prevent pin-stubbing
- Mate with .025" square pins

For quantities of 500 and up, call for quote.

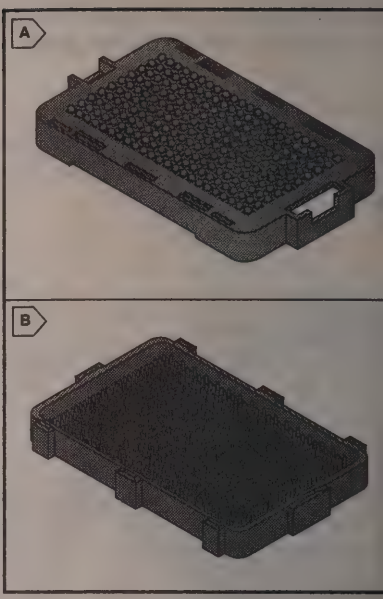
MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions mm (IN)	Price Each 1	25	50	100
Top-Entry, Single-Row								
649-68685-306	68685-306	F	1x6	15.67 (0.617)	1.15	1.09	1.03	.97
649-68685-308	68685-308	F	1x8	20.75 (0.817)	1.31	1.24	1.18	1.11
649-68685-310	68685-310	F	1x10	25.83 (1.017)	1.49	1.37	1.33	1.28
649-68685-314	68685-314	F	1x14	35.99 (1.417)	2.03	1.93	1.83	1.73
649-68685-316	68685-316	F	1x16	41.07 (1.617)	2.13	2.03	1.92	1.81
649-68685-317	68685-317	F	1x17	43.61 (1.717)	2.24	2.13	2.02	1.91
649-68685-318	68685-318	F	1x18	46.15 (1.817)	2.33	2.21	2.09	1.98
649-68685-320	68685-320	F	1x20	51.23 (2.017)	2.59	2.35	2.24	2.12
Top-Entry, Double-Row								
649-68683-302	68683-302	G	2x2	5.51 (0.217)	.85	.81	.77	.73
649-68683-303	68683-303	G	2x3	8.05 (0.317)	.91	.87	.82	.78
649-68683-304	68683-304	G	2x4	10.59 (0.417)	1.07	1.01	.96	.91
649-68683-305	68683-305	G	2x5	13.13 (0.517)	1.21	1.10	1.00	.93
649-68683-306	68683-306	G	2x6	15.67 (0.617)	2.31	2.11	1.91	1.78
649-68683-307	68683-307	G	2x7	18.21 (0.717)	2.10	1.92	1.74	1.62
649-68683-308	68683-308	G	2x8	20.75 (0.817)	2.38	2.18	1.97	1.84
649-68683-309	68683-309	G	2x9	23.29 (0.917)	2.84	2.11	1.92	1.83
649-68683-310	68683-310	G	2x10	25.83 (1.017)	2.73	2.50	2.26	2.11
649-68683-311	68683-311	G	2x11	28.37 (1.117)	2.33	2.12	2.01	1.90
649-68683-312	68683-312	G	2x12	30.91 (1.217)	4.53	4.14	3.76	3.50
649-68683-313	68683-313	G	2x13	33.45 (1.317)	4.62	4.22	3.83	3.56
649-68683-314	68683-314	G	2x14	35.99 (1.417)	4.33	3.22	2.93	2.79
649-68683-315	68683-315	G	2x15	38.53 (1.517)	4.20	3.84	3.48	3.24
649-68683-318	68683-318	G	2x18	46.15 (1.817)	4.90	4.48	4.06	3.78
649-68683-319	68683-319	G	2x19	48.69 (1.917)	5.71	4.24	3.85	3.67
649-68683-320	68683-320	G	2x20	51.23 (2.017)	5.43	4.96	4.50	4.19
649-68683-321	68683-321	G	2x21	53.77 (2.117)	5.67	5.18	4.70	4.37
649-68683-322	68683-322	G	2x22	56.31 (2.217)	5.82	5.32	4.82	4.49
649-68683-324	68683-324	G	2x24	61.69 (2.417)	5.98	5.59	5.22	4.89
649-68683-325	68683-325	G	2x25	63.93 (2.517)	9.63	8.80	7.98	7.43
649-68683-326	68683-326	G	2x26	66.47 (2.617)	7.83	5.82	5.29	5.04
649-68683-327	68683-327	G	2x27	69.01 (2.717)	7.14	6.53	5.92	5.51
649-68683-330	68683-330	G	2x30	76.63 (3.017)	9.01	6.69	6.08	5.79
649-68683-332	68683-332	G	2x32	81.71 (3.217)	6.50	5.75	5.25	4.93
649-68683-334	68683-334	G	2x34	86.79 (3.417)	8.02	7.14	6.42	5.61
649-68683-340	68683-340	G	2x40	102.03 (4.017)	9.43	8.40	7.55	6.60

MEG-ARRAY® HIGH-SPEED BOARD STACKING CONNECTORS

Connectors sizes span 100 to 400 contact positions at stack heights from 4mm to 14mm at data rates up to 10 Gb/s. Add plug and receptacle contributions shown in table to determine the resultant mated height. Connectors utilize Ball Grid Array (BGA) technology for compatibility with SMT reflow soldering process.

Specifications:

- Housing Material: LCP
- Contact Material: Copper Alloy
- Durability (Mating Cycles): 50
- Current Rating: 0.45A per contact at 30°C rise



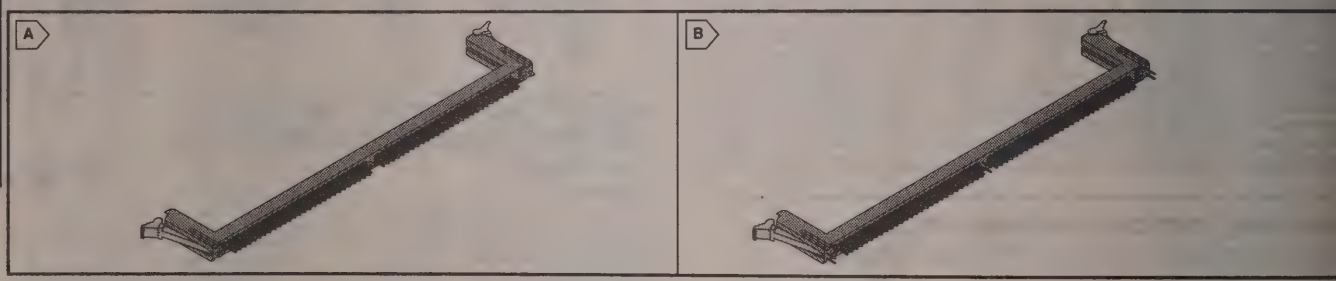
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Gender	No. of Positions	Connector Contribution to Stack Height	Contact Plating	Price Each			
							1	25	50	100
649-84512-102	84512-102	A	Plug	100	0mm	30AU	13.47	12.25	11.64	11.02
649-84513-101	84513-101	B	Receptacle	100	4mm	30AU	29.05	27.60	26.14	23.97
649-84516-102	84516-102	A	Plug	200	0mm	30AU	10.59	9.63	9.15	8.66
649-84517-101	84517-101	B	Receptacle	200	4mm	30AU	11.19	10.17	9.66	9.15
649-74213-002	74213-002	A	Plug	240	0mm	15AU	8.15	7.41	7.04	6.67
649-84500-002	84500-002	A	Plug	300	0mm	15AU	8.91	8.46	8.02	7.35
649-84500-102	84500-102	A	Plug	300	0mm	30AU	11.44	10.40	9.88	9.36
649-84500-202	84500-202	A	Plug	300	0mm	*	19.61	17.38	16.94	16.50
649-84501-001	84501-001	B	Receptacle	300	4mm	15AU	13.18	11.98	11.38	10.78
649-84501-101	84501-101	B	Receptacle	300	4mm	30AU	17.50	15.91	15.11	14.32
649-84501-201	84501-201	B	Receptacle	300	4mm	*	18.67	16.97	16.12	15.28
649-84502-001	84502-001	B	Receptacle	300	5.5mm	15AU	14.82	14.08	13.34	12.23
649-84502-101	84502-101	B	Receptacle	300	5.5mm	30AU	21.03	19.12	18.16	17.21
649-84553-101	84553-101	B	Receptacle	300	8.0mm	30AU	20.46	18.60	17.67	16.74
649-84740-002	84740-002	A	Plug	400	0mm	15AU	14.07	12.79	12.15	11.51
649-84740-102	84740-102	A	Plug	400	0mm	30AU	17.70	16.09	15.29	14.48
649-84520-102	84520-102	A	Plug	400	6mm	30AU	17.32	16.45	15.59	14.29
649-74221-001	74221-001	B	Receptacle	400	4mm	15AU	14.59	13.27	12.60	11.94
649-74221-101	74221-101	B	Receptacle	400	4mm	30AU	17.38	15.80	15.01	14.22
649-74388-101	74388-101	B	Receptacle	400	6mm	30AU	21.43	19.48	18.51	17.53
649-74390-101	74390-101	B	Receptacle	400	8mm	30AU	20.34	18.49	17.56	16.64

* Au over Ni with special contact geometry to meet requirements of Teleordia GR-1217.

MEMORY SOCKETS FOR DDR2 MEMORY MODULES

Vertical sockets accept DDR2 (Double Data Rate 2) memory module assemblies per JEDEC MO-237 to allow convenient memory expansion in desktop PC's, servers, and communication equipment.



Features:

- 240 Positions
- Centerline Spacing: 1.00mm (0.039 in.)
- Orientation: Vertical
- Voltage: 1.8V
- RoHS Compatible

Specifications:

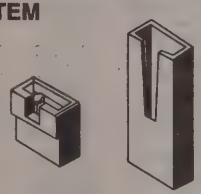
- Plating:
  - Contact: 15µ" Gold
  - Solderfail: 100µ" Tin
  - Underplate: 50µ" Nickel
- Housing Material: Thermoplastic (UL94 V-0)
- Contact Base Metal: Copper Alloy
- Current Rating: 0.5 Amps @ 30°C rise
- Durability (Mating Cycles): 25 Mating cycles per EIA 364

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	FCI Part No.	Fig.	Description	Tail Length	Price Each			
					1	25	50	10
649-10023061-10107LF	10023061-10107LF	A	Black Housing and Ivory Ejector w/plastic post	2.67mm (.105 in.)	1.99	1.81	1.72	1.63
649-10023061-10127LF	10023061-10127LF	A	Black Housing and Black Ejector w/plastic post	2.67mm (.105 in.)	1.99	1.81	1.72	1.63
649-10023061-10207LF	10023061-10207LF	A	Black Housing and Ivory Ejector w/plastic post	3.18mm (.125 in.)	1.99	1.81	1.72	1.63
649-10023061-10227LF	10023061-10227LF	A	Black Housing and Black Ejector w/plastic post	3.18mm (.125 in.)	1.99	1.81	1.72	1.63
649-10005639-11107LF	10005639-11107LF	B	Black Housing and Ivory Ejector w/metal clip	2.67mm (.105 in.)	1.94	1.76	1.67	1.58
649-10005639-11127LF	10005639-11127LF	B	Black Housing and Black Ejector w/metal clip	2.67mm (.105 in.)	2.04	1.85	1.76	1.67
649-10005639-12207LF	10005639-12207LF	B	Black Housing and Ivory Ejector w/metal clip	3.18mm (.125 in.)	1.94	1.76	1.67	1.58
649-10005639-12227LF	10005639-12227LF	B	Black Housing and Black Ejector w/metal clip	3.18mm (.125 in.)	2.04	1.85	1.76	1.67

LOW-PROFILE SHUNT JUMPER SYSTEM

Economical, stackable jumper systems are applicable for bussing, programming and switch replacement. Standard two-position for .100" centers. Low-profile shunt stands .200" above PC board; high-body shunt stands .360" above PC board. Dual-beam, phosphor-bronze contacts, and black glass-filled thermoplastic polyester housing, rated UL94V-0. Shunts mate with .025" square and round pins.



For quantities of 2000 and up, call for quote.

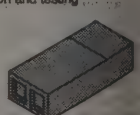
MOUSER STOCK NO.	FCI Part No.	Plating	Price Each			
			1	100	500	1000
Low Profile						
649-68786-202	68786-202	30µ" gold	.10	.09	.08	.07
649-68786-302	68786-302	100µ" tin-lead	.12	.11	.10	.09
High Body						
649-71363-102	71363-102	15µ" gold	.10	.09	.08	.07
649-71363-202	71363-202	30µ" gold	.14	.10	.09	.08
649-71363-302	71363-302	100µ" tin-lead	.11	.10	.09	.08

BERGCON® SYSTEM MINI JUMP SHUNTS

- 1 Row: 2 Positions
- Reliable cost-effective alternatives to switches for on-board programming
- PV contacts have beryllium-copper springs to provide high retention and normal forces for excellent electric performance after repeated cycle
- Stackable on 2.54mm (0.100") centers
- Closed top protects fingertips during application, but can be opened for inspection and testing
- Mates with .025" square or round pins

Specifications:

- Housing: Thermoplastic polyester UL94V-0, Blue
- Contact: Body Material: Brass; Spring Material: Beryllium-copper
- Current rating: 3 A max per contact
- Temperature rating: -55°C to +120°C

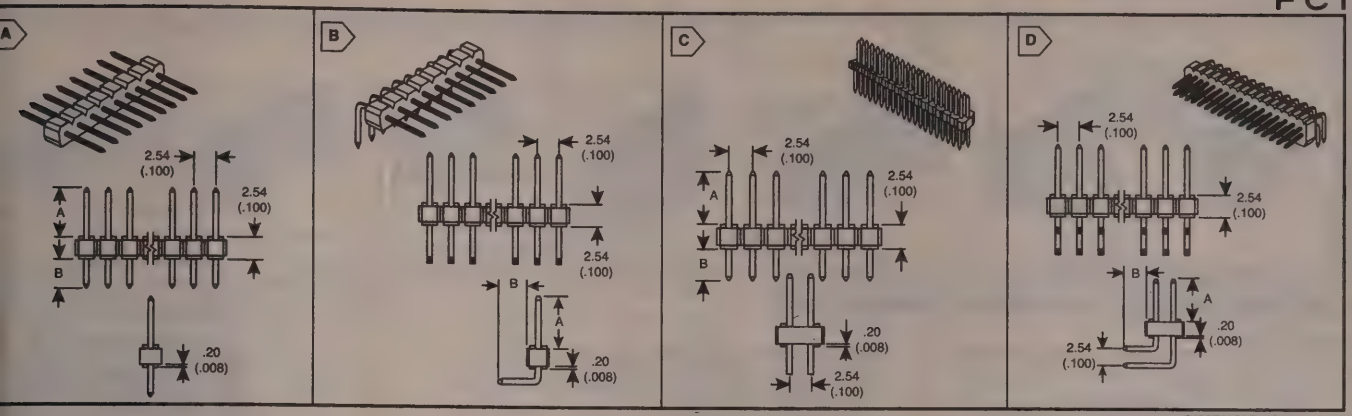


For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	FCI Part No.	Plating	Price Each			
			1	100	500	10
649-65474-001	65474-001	40µ" gold over nickel	.52	.45	.41	.3
649-65474-002	65474-002	100µ" tin-lead over nickel	.12	.11	.10	.0
649-65474-010	65474-010	30µ" gold over nickel	.14	.13	.12	.

MOUSER ELECTRONICS a tti company (800) 346-6873

FCI Bergstik™ Unshrouded Breakaway Headers



DIMENSIONS mm (IN)

atures:

- Breakaway" design can be cut or broken to length to suit application
- Centerline pin spacing: .100"
- nsulation resistance: 5000MΩ min.
- Withstanding voltage: 1500VAC rms (sea level)
- Current rating: 3 amp continuous
- Temperature range: -65°C to +130°C

*Plating (Finish):
1 = 30μ" Gold over nickel
2 = 15μ" Gold over nickel
4 = 100μ" Tin over nickel

00" SINGLE ROW HEADERS

raight Solder Tail

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions Mating End A	Dimensions Tail End B	Plating *	Price Each 1	Price Each 100	Price Each 500
9-68000-136	68000-136	A	36	0.23	0.095	1	1.60	1.52	1.44
9-68000-236	68000-236	A	36	0.23	0.095	2	1.38	1.12	.96
9-68000-436	68000-436	A	36	0.23	0.095	4	1.01	.82	.70
9-68001-136	68001-136	A	36	0.23	0.12	1	1.60	1.52	1.44
9-68001-236	68001-236	A	36	0.23	0.12	2	1.32	1.07	.92
9-68001-436	68001-436	A	36	0.23	0.12	4	1.01	.82	.70
9-68001-402	68001-402	A	2	0.23	0.12	4	.30	.28	.27
9-68001-403	68001-403	A	3	0.23	0.12	4	.57	.52	.51
9-68002-236	68002-236	A	36	0.23	0.15	2	1.19	1.06	.99
9-68003-136	68003-136	A	36	0.23	0.195	1	1.46	1.31	1.27
9-78511-236	78511-236	A	36	0.318	0.12	2	1.51	1.23	1.05
9-78511-436	78511-436	A	36	0.318	0.12	4	1.33	1.09	.93

raight Retentive Solder Tail

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions Mating End A	Dimensions Tail End B	Plating *	Price Each 1	Price Each 100	Price Each 500
9-69190-202	69190-202	A	2	0.23	0.12	2	.36	.33	.27
9-69190-203	69190-203	A	3	0.23	0.12	2	.43	.39	.32
9-69190-204	69190-204	A	4	0.23	0.12	2	.51	.46	.39
9-69190-210	69190-210	A	10	0.23	0.12	2	.95	.86	.71
9-69190-236	69190-236	A	36	0.23	0.12	2	.89	.83	.81
9-69190-402	69190-402	A	2	0.23	0.12	4	.16	.14	.12
9-69190-403	69190-403	A	3	0.23	0.12	4	.20	.18	.15
9-69190-405	69190-405	A	5	0.23	0.12	4	.32	.29	.24
9-69190-410	69190-410	A	10	0.23	0.12	4	.44	.40	.34

ght Angle Solder Tail

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions Mating End A	Dimensions Tail End B	Plating *	Price Each 1	Price Each 100	Price Each 500
9-68015-136	68015-136	B	36	0.23	0.09	1	1.72	1.56	1.29
9-68015-236	68015-236	B	36	0.23	0.09	2	1.36	1.24	1.02
9-68015-436	68015-436	B	36	0.23	0.09	4	.73	.66	.54
9-68016-136	68016-136	B	36	0.23	0.12	1	1.69	1.54	1.27
9-68016-236	68016-236	B	36	0.23	0.12	2	2.34	2.13	1.76
9-68016-436	68016-436	B	36	0.23	0.12	4	.70	.64	.53

ht Angle Retentive Solder Tail

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions Mating End A	Dimensions Tail End B	Plating *	Price Each 1	Price Each 100	Price Each 500
9-69191-402	69191-402	B	2	0.23	0.12	4	.24	.22	.21
9-69191-403	69191-403	B	3	0.23	0.12	4	.28	.26	.22
9-69191-404	69191-404	B	4	0.23	0.12	4	.25	.23	.19
9-69191-405	69191-405	B	5	0.23	0.12	4	.28	.26	.22
9-69191-410	69191-410	B	10	0.23	0.12	4	.45	.41	.34
9-69191-202	69191-202	B	2	0.23	0.12	2	.32	.30	.29
9-69191-203	69191-203	B	3	0.23	0.12	2	.50	.45	.37
9-69191-205	69191-205	B	5	0.23	0.12	2	.59	.53	.44
9-69191-210	69191-210	B	10	0.23	0.12	2	1.00	.90	.75

.100" DOUBLE ROW HEADERS

Straight Solder Tail

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions Mating End A	Dimensions Tail End B	Plating *	Price Each 1	Price Each 100	Price Each 500
649-67996-172	67996-172	C	72	0.23	0.095	1	1.67	1.58	1.50
649-67996-272	67996-272	C	72	0.23	0.095	2	1.64	1.51	1.44
649-67996-472	67996-472	C	72	0.23	0.095	4	1.92	1.73	1.44
649-67997-172	67997-172	C	72	0.23	0.12	1	2.00	1.92	1.84
649-67997-272	67997-272	C	72	0.23	0.12	2	1.64	1.51	1.44
649-67997-472	67997-472	C	72	0.23	0.12	4	1.45	1.31	1.09
649-68602-172	68602-172	C	72	0.23	0.15	1	3.33	2.91	2.50
649-68602-272	68602-272	C	72	0.23	0.15	2	3.44	3.09	2.99
649-68602-472	68602-472	C	72	0.23	0.15	4	3.78	3.40	2.84
649-68691-172	68691-172	C	72	0.318	0.12	1	2.00	1.92	1.84
649-68691-472	68691-472	C	72	0.318	0.12	4	3.68	3.31	2.76

Straight Retentive Solder Tail

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions Mating End A	Dimensions Tail End B	Plating *	Price Each 1	Price Each 100	Price Each 500
649-69192-404	69192-404	C	4	0.23	0.12	4	.23	.20	.17
649-69192-406	69192-406	C	6	0.23	0.12	4	.29	.27	.22
649-69192-408	69192-408	C	8	0.23	0.12	4	.39	.35	.29
649-69192-204	69192-204	C	4	0.23	0.12	2	.50	.45	.37
649-69192-220	69192-220	C	20	0.23	0.12	2	.53	.49	.44
649-69192-108	69192-108	C	8	0.23	0.12	1	.72	.65	.63

Right Angle Solder Tail

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions Mating End A	Dimensions Tail End B	Plating *	Price Each 1	Price Each 100	Price Each 500
649-68020-172	68020-172H	D	72	0.23	0.095	1	4.00	3.50	3.00
649-68020-272	68020-272H	D	72	0.23	0.095	2	4.59	4.08	3.37
649-68020-472	68020-472H	D	72	0.23	0.095	4	1.72	1.55	1.29
649-68021-172	68021-172H	D	72	0.23	0.12	1	3.65	3.24	2.67
649-68021-272	68021-272H	D	72	0.23	0.12	2	3.60	3.15	2.70
649-68021-472	68021-472H	D	72	0.23	0.12	4	1.51	1.34	1.11
649-68021-672	68021-672H	D	72	0.23	0.12	6	2.77	2.46	2.03
649-79257-272	79257-272H	D	72	0.23	0.12	2	3.60	3.15	2.70
649-79257-472	79257-472H	D	72	0.23	0.12	4	2.16	1.92	1.58

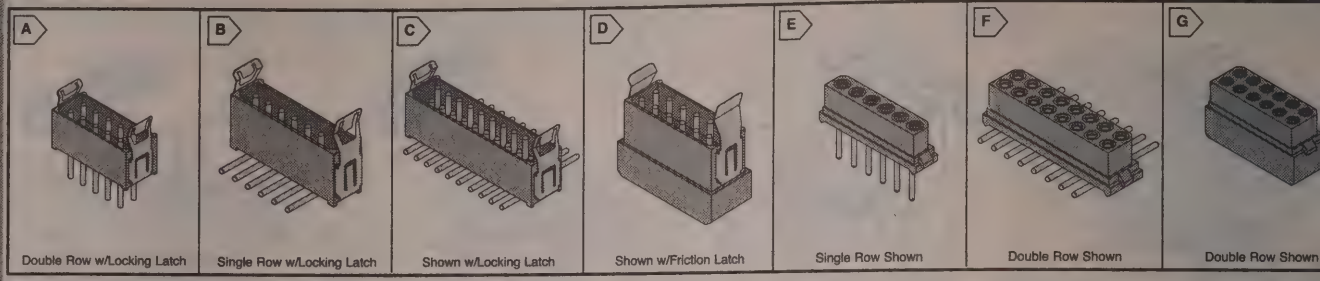
Right Angle Retentive Solder Tail

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions Mating End A	Dimensions Tail End B	Plating *	Price Each 1	Price Each 100	Price Each 500
649-69193-404	69193-404	D	4	0.23	0.12	4	.29	.27	.22
649-69193-408	69193-408	D	8	0.23	0.12	4	.39	.35	.29
649-69193-420	69193-420	D	20	0.23	0.12	4	1.31	1.18	.99
649-69193-208	69193-208	D	8	0.23	0.12	2	.82	.73	.61

HARWIN 2mm High Reliability Datamate Connectors

HARWI

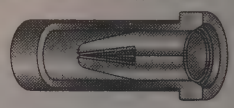


Double Row w/Locking Latch | Single Row w/Locking Latch | Shown w/Locking Latch | Shown w/Friction Latch | Single Row Shown | Double Row Shown | Double Row Shown

2MM HIGH RELIABILITY DATAMATE CONNECTORS

Features:
- All male connectors mate with all female connectors on this page.
- Professional connector system at commercial prices
- Ideal for COTS applications
- Proven history in Mil/Aero applications
- Environmental Classification -55°C / 125°C / 56 days at 95% RH
- Complies with BS9525-F0033/Mil C 55302/CECC 75101-008
- Proven performance in high vibration applications
- Mouldings: Glass-filled thermoplastic UL94V-0
- Female Contacts: Brass shell, with 4 finger beryllium copper contact
- Male Contacts: Phosphor bronze
- Contact resistance: 20 milliohms max.
- Insulation resistance: 100 Megohms min at 500V d.c.
- Durability: 500 operations

Four Finger Beryllium Copper Contact



Current rating 3.0 amps per contact

Male PC Tail Connectors - Vertical

Features:
- Gold/Tin Plating
- Fully shrouded contacts
- Polarized mouldings

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Description	Price Each 1	10	25	50
Single Row								
855-M80-8790222	M80-8790222	A	2	Without Latch	.56	.51	.48	.47
855-M80-8770222	M80-8770222	A	2	W/Locking Latch	1.18	1.09	1.01	.99
855-M80-8790322	M80-8790322	A	3	Without Latch	.62	.57	.53	.52
855-M80-8770322	M80-8770322	A	3	W/Locking Latch	1.25	1.15	1.07	1.04
Double Row								
855-M80-8690422	M80-8690422	A	4	Without Latch	1.04	.96	.89	.87
855-M80-8670422	M80-8670422	A	4	W/Locking Latch	1.59	1.46	1.36	1.33
855-M80-8690622	M80-8690622	A	6	Without Latch	1.18	1.09	1.01	.99
855-M80-8670622	M80-8670622	A	6	W/Locking Latch	1.68	1.55	1.44	1.41
855-M80-8690822	M80-8690822	A	8	Without Latch	1.34	1.23	1.15	1.12
855-M80-8670822	M80-8670822	A	8	W/Locking Latch	1.78	1.64	1.53	1.49
855-M80-8691022	M80-8691022	A	10	Without Latch	1.47	1.35	1.26	1.23
855-M80-8671022	M80-8671022	A	10	W/Locking Latch	1.89	1.74	1.62	1.58
855-M80-8691222	M80-8691222	A	12	Without Latch	1.58	1.46	1.36	1.32
855-M80-8671222	M80-8671222	A	12	W/Locking Latch	2.01	1.85	1.72	1.68
855-M80-8692022	M80-8692022	A	20	Without Latch	2.24	2.06	1.92	1.87
855-M80-8672022	M80-8672022	A	20	W/Locking Latch	2.67	2.46	2.29	2.23
855-M80-8692622	M80-8692622	A	26	Without Latch	2.57	2.37	2.21	2.15
855-M80-8672622	M80-8672622	A	26	W/Locking Latch	2.99	2.76	2.57	2.51
855-M80-8693422	M80-8693422	A	34	Without Latch	3.01	2.78	2.59	2.52
855-M80-8673422	M80-8673422	A	34	W/Locking Latch	3.45	3.18	2.96	2.89

Male PC Tail Connectors - Right Angle

Features:
- Gold/Tin Plating
- PCB hold-downs included

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Description	Price Each 1	10	25	50
Single Row								
855-M80-8780222	M80-8780222	B	2	Without Latch	.93	.86	.80	.78
855-M80-8760222	M80-8760222	B	2	W/Locking Latch	1.78	1.64	1.52	1.49
855-M80-8780322	M80-8780322	B	3	Without Latch	1.00	.92	.86	.84
855-M80-8760322	M80-8760322	B	3	W/Locking Latch	1.83	1.69	1.57	1.53
Double Row								
855-M80-8680422	M80-8680422	B	4	Without Latch	1.78	1.64	1.52	1.49
855-M80-8660422	M80-8660422	B	4	W/Locking Latch	2.55	2.35	2.19	2.13
855-M80-8680622	M80-8680622	B	6	Without Latch	1.96	1.80	1.68	1.64
855-M80-8660622	M80-8660622	B	6	W/Locking Latch	2.64	2.43	2.27	2.21
855-M80-8680822	M80-8680822	B	8	Without Latch	2.13	1.96	1.83	1.78
855-M80-8660822	M80-8660822	B	8	W/Locking Latch	2.76	2.54	2.37	2.31
855-M80-8681022	M80-8681022	B	10	Without Latch	2.30	2.12	1.97	1.92
855-M80-8661022	M80-8661022	B	10	W/Locking Latch	2.88	2.65	2.47	2.41
855-M80-8681222	M80-8681222	B	12	Without Latch	2.48	2.28	2.12	2.07
855-M80-8661222	M80-8661222	B	12	W/Locking Latch	2.99	2.75	2.57	2.50
855-M80-8682022	M80-8682022	B	20	Without Latch	3.31	3.05	2.84	2.77
855-M80-8662022	M80-8662022	B	20	W/Locking Latch	3.83	3.53	3.29	3.21
855-M80-8682622	M80-8682622	B	26	Without Latch	3.71	3.42	3.18	3.11
855-M80-8662622	M80-8662622	B	26	W/Locking Latch	4.17	3.84	3.58	3.49
855-M80-8683422	M80-8683422	B	34	Without Latch	4.21	3.88	3.62	3.53
855-M80-8663422	M80-8663422	B	34	W/Locking Latch	4.69	4.32	4.02	3.92

Male Surface Mount Connectors - Vertical

Features:
- Gold/Tin Plating
- Double Row

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Description	Price Each 1	10	25	50
855-M80-8260422	M80-8260422	C	4	Without Latch	2.38	2.20	2.05	2.00
855-M80-8280422	M80-8280422	C	4	W/Locking Latch	2.38	2.20	2.05	2.00
855-M80-8260622	M80-8260622	C	6	Without Latch	2.53	2.33	2.17	2.12
855-M80-8280622	M80-8280622	C	6	W/Locking Latch	2.53	2.33	2.17	2.12
855-M80-8260822	M80-8260822	C	8	Without Latch	2.68	2.47	2.30	2.24
855-M80-8280822	M80-8280822	C	8	W/Locking Latch	2.68	2.47	2.30	2.24
855-M80-8261022	M80-8261022	C	10	Without Latch	2.82	2.60	2.42	2.36
855-M80-8281022	M80-8281022	C	10	W/Locking Latch	2.82	2.60	2.42	2.36
855-M80-8261222	M80-8261222	C	12	Without Latch	2.97	2.74	2.55	2.49
855-M80-8281222	M80-8281222	C	12	W/Locking Latch	2.97	2.74	2.55	2.49
855-M80-8262022	M80-8262022	C	20	Without Latch	3.78	3.48	3.24	3.16
855-M80-8282022	M80-8282022	C	20	W/Locking Latch	3.74	3.44	3.20	3.13
855-M80-8262622	M80-8262622	C	26	Without Latch	3.90	3.60	3.35	3.27
855-M80-8282622	M80-8282622	C	26	W/Locking Latch	3.98	3.67	3.42	3.33
855-M80-8263422	M80-8263422	C	34	Without Latch	4.03	3.71	3.46	3.37
855-M80-8283422	M80-8283422	C	34	W/Locking Latch	4.37	4.03	3.75	3.66

Male Crimp Connectors

Features:
- For Cable-to-Cable Applications
- Contacts Included
- Both locking and friction latches available
- Contacts rear insertable
- Gold Plating
- 24-28 AWG
- Double Row

For quantities of 100 and up, call for

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Description	Price Each 1	10	25
855-M80-8120405	M80-8120405	D	4	W/Locking Latch	1.35	1.24	1.15
855-M80-8160405	M80-8160405	D	4	W/Friction Latch	1.35	1.24	1.15
855-M80-8120805	M80-8120805	D	8	W/Locking Latch	2.49	2.30	2.14
855-M80-8160805	M80-8160805	D	8	W/Friction Latch	2.49	2.30	2.14
855-M80-8121005	M80-8121005	D	10	W/Locking Latch	3.02	2.78	2.59
855-M80-8161005	M80-8161005	D	10	W/Friction Latch	3.02	2.78	2.59
855-M80-8121205	M80-8121205	D	12	W/Locking Latch	3.61	3.32	3.10
855-M80-8161205	M80-8161205	D	12	W/Friction Latch	3.61	3.32	3.10

Female PC Tail Connectors - Vertical

Features:
- Gold Plating

For quantities of 100 and up, call for

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Description	Price Each 1	10	25
855-M80-8970205	M80-8970205	E	2	Single Row	.72	.67	.62
855-M80-8970305	M80-8970305	E	3	Single Row	.92	.85	.79
855-M80-8870405	M80-8870405	E	4	Double Row	1.03	.95	.88
855-M80-8870605	M80-8870605	E	6	Double Row	1.32	1.21	1.13
855-M80-8870805	M80-8870805	E	8	Double Row	1.60	1.47	1.37
855-M80-8871005	M80-8871005	E	10	Double Row	1.90	1.75	1.63
855-M80-8871205	M80-8871205	E	12	Double Row	2.19	2.02	1.88
855-M80-8872005	M80-8872005	E	20	Double Row	3.39	3.12	2.91
855-M80-8872605	M80-8872605	E	26	Double Row	4.25	3.92	3.65
855-M80-8873405	M80-8873405	E	34	Double Row	5.42	4.99	4.65

Female Surface Mount Connectors

Features:
- Gold Plating

For quantities of 100 and up, call for

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Description	Price Each 1	10	25
855-M80-6810405	M80-6810405	F	4	Double Row	1.13	1.04	.97
855-M80-6810605	M80-6810605	F	6	Double Row	1.45	1.34	1.24
855-M80-6810805	M80-6810805	F	8	Double Row	1.76	1.62	1.51
855-M80-6811005	M80-6811005	F	10	Double Row	2.09	1.93	1.79
855-M80-6811205	M80-6811205	F	12	Double Row	2.41	2.22	2.07
855-M80-6812005	M80-6812005	F	20	Double Row	3.73	3.43	3.20
855-M80-6812605	M80-6812605	F	26	Double Row	4.68	4.31	4.01
855-M80-6813405	M80-6813405	F	34	Double Row	5.96	5.49	5.11

Female Crimp Connectors

Features:
- Gold Plating
- 24-28 AWG
- Contacts included
- Contacts rear insertable

For quantities of 100 and up, call for

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Description	Price Each 1	10	25
855-M80-8980205	M80-8980205	G	2	Single Row	.78	.71	.67
855-M80-8980305	M80-8980305	G	3	Single Row	1.03	.95	.88
855-M80-8880405	M80-8880405	G	4	Double Row	1.41	1.30	1.21
855-M80-8880605	M80-8880605	G	6	Double Row	1.90	1.75	1.63
855-M80-8880805	M80-8880805	G	8	Double Row	2.39	2.20	2.05
855-M80-8881005	M80-8881005	G	10	Double Row	2.88	2.65	2.47
855-M80-8881205	M80-8881205	G	12	Double Row	3.35	3.09	2.88
855-M80-8882005	M80-8882005	G	20	Double Row	5.36	4.94	4.60
855-M80-8882605	M80-8882605	G	26	Double Row	6.81	6.27	5.84
855-M80-8883405	M80-8883405	G	34	Double Row	8.77	8.08	7.53
Accessory							
855-M80-0130005	M80-0130005			Spare Female Crimp Contact	.24	.22	.21

Datamate Tools

For quantities of 5 and up, call for

MOUSER STOCK NO.	Harwin Part No.	Description	Price Each
855-M22520/2-01	M22520/2-01	Crimp Tool	324.9
855-T5747	T5747	Positioner	66.9
855-T5746	T5746	Separator Tool	15.7
855-Z80-280	Z80-280	Insertion / Removal Tool	115.6

MOUSER ELECTRONICS a tti company

(800) 346-6873

HARWIN 2mm High Reliability Datamate Connectors

HARWiN

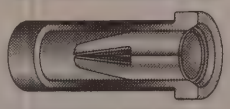
M HIGH RELIABILITY DATAMATE JACKSCREW CONNECTORS

ures:

- fessional connector system at commercial prices
- al for COTS applications
- ven history in Mil/Aero applications
- ironmental Classification: -55°C / 125°C / 56 days at 95%RH
- nplies with BS9525-F0033/Mil C 55302/CECC 75101-008
- uldings: Glass-filled thermoplastic UL94V-0

- Proven performance in high vibration applications
- Female contacts: Brass shell with 4 finger beryllium copper contact
- Male contacts: Phosphor bronze
- Contact resistance: 20mΩ max.
- Insulation resistance: 100MΩ min. at 500VDC
- Durability: 500 operations

Four Finger Beryllium Copper Contact



Current rating: 3.0 amps per contact

e PC Tail Jackscrew Connectors

- y shrouded contacts
- arized mouldings
- Jackscrews are assembled
- 3mm PC Tail length
- Double row
- Mate with female PC Tail and Crimp connectors below
- Gold/Tin plating

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Style	Description	Price Each			
						1	10	25	50
-M80-5001022	M80-5001022	A	10	Vertical	With Jackscrews	7.84	7.22	6.73	6.56
-M80-5301022	M80-5301022	B	10	Right Angle	With Jackscrews	10.78	9.93	9.25	9.02
-M80-5002022	M80-5002022	A	20	Vertical	With Jackscrews	8.81	8.12	7.56	7.38
-M80-5302022	M80-5302022	B	20	Right Angle	With Jackscrews	11.75	10.83	10.08	9.84
-M80-5005022	M80-5005022	A	50	Vertical	With Jackscrews	11.75	10.82	10.08	9.83
-M80-5305022	M80-5305022	B	50	Right Angle	With Jackscrews	14.68	13.52	12.60	12.29

e Board Mount Jackscrew Connectors

- rd Mounts provide PCB strain relief
- m PC Tail length
- Double Row
- Mate with Female PC Tail and Crimp connectors below
- Gold/Tin plating

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Style	Description	Price Each			
						1	10	25	50
-M80-5101022	M80-5101022	C	10	Vertical	With Jackscrews	10.82	9.96	9.28	9.05
-M80-5401022	M80-5401022	D	10	Right Angle	With Jackscrews	16.78	15.46	14.40	14.04
-M80-5102022	M80-5102022	C	20	Vertical	With Jackscrews	12.19	11.22	10.45	10.20
-M80-5402022	M80-5402022	D	20	Right Angle	With Jackscrews	17.76	16.35	15.23	14.86
-M80-5105022	M80-5105022	C	50	Vertical	With Jackscrews	14.53	13.38	12.47	12.16
-M80-5405022	M80-5405022	D	50	Right Angle	With Jackscrews	20.49	18.87	17.58	17.15

e Crimp Jackscrew Connectors

- y shrouded contacts
- arized mouldings
- kscrews are assembled
- Double row
- 24-28AWG
- Contacts included
- Crimp contacts are rear insertable
- Mate with Male PC Tail, Boardmount, and Crimp connectors below
- Gold plating

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Style	Description	Price Each			
						1	10	25	50
-M80-5611005	M80-5611005	E	10	Crimp	With Jackscrews	6.31	5.82	5.42	5.28
-M80-5612005	M80-5612005	E	20	Crimp	With Jackscrews	9.81	9.03	8.41	8.21
-M80-5615005	M80-5615005	E	50	Crimp	With Jackscrews	20.28	18.68	17.40	16.97

nale PC Tail Jackscrew Connectors

- y shrouded contacts
- arized mouldings
- 3mm PC Tail length
- Mate with Male PC Tail, Boardmount, and Crimp connectors above
- Gold/Tin plating

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Style	Description	Price Each			
						1	10	25	50
-M80-4101001	M80-4101001	F	10	Vertical	With Jackscrews	3.38	3.12	2.90	2.83
-M80-4102001	M80-4102001	F	20	Vertical	With Jackscrews	5.19	4.78	4.45	4.34
-M80-4105001	M80-4105001	F	50	Vertical	With Jackscrews	10.11	9.32	8.68	8.46

nale Crimp Jackscrew Connectors

- y shrouded contacts
- arized mouldings
- kscrews are assembled
- 24-28AWG
- Contacts included
- Crimp contacts are rear insertable
- Mate with Male PC Tail, Boardmount, and Crimp connectors above
- Gold contact / Tin shell

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Style	Description	Price Each			
						1	10	25	50
-M80-4611001	M80-4611001	G	10	Crimp	With Jackscrews	9.63	8.87	8.26	8.06
-M80-4612001	M80-4612001	G	20	Crimp	With Jackscrews	13.50	12.43	11.58	11.29
-M80-4615001	M80-4615001	G	50	Crimp	With Jackscrews	25.09	23.11	21.52	21.00

ee Row Jackscrew PC Tail and Crimp Connectors

- y shrouded contacts
- Polarized mouldings
- Jackscrews are assembled

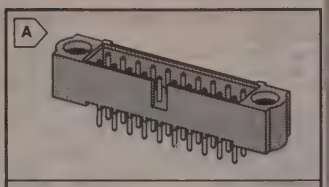
For quantities of 100 and up, call for quote.

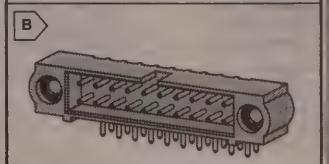
MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Style	Description	Price Each			
						1	10	25	50
e - Gold/Tin Plating									
-M80-7002722	M80-7002722	H	27	Vertical PC Tail	With Jackscrews	6.07	5.59	4.86	4.49
-M80-7022722	M80-7022722	H	27	Vertical PC Tail	Without Jackscrews	4.35	4.00	3.48	3.22
-M80-7004522	M80-7004522	H	45	Vertical PC Tail	With Jackscrews	7.98	7.34	6.38	5.90
-M80-7024522	M80-7024522	H	45	Vertical PC Tail	Without Jackscrews	6.26	5.75	5.00	4.63
-M80-7006322	M80-7006322	H	63	Vertical PC Tail	With Jackscrews	9.77	8.99	7.82	7.23
-M80-7026322	M80-7026322	H	63	Vertical PC Tail	Without Jackscrews	7.96	7.32	6.37	5.89
nale - Gold Plating									
-M80-7042705	M80-7042705	I	27	Vertical PC Tail	With Jackscrews	10.00	9.20	8.00	7.40
-M80-7072705	M80-7072705	I	27	Vertical PC Tail	Without Jackscrews	8.26	7.60	6.61	6.11
-M80-7044505	M80-7044505	I	45	Vertical PC Tail	With Jackscrews	16.54	15.22	13.23	12.24
-M80-7074505	M80-7074505	I	45	Vertical PC Tail	Without Jackscrews	14.80	13.61	11.84	10.95
-M80-7046305	M80-7046305	I	63	Vertical PC Tail	With Jackscrews	19.73	18.15	15.79	14.60
-M80-7076305	M80-7076305	I	63	Vertical PC Tail	Without Jackscrews	17.97	16.53	14.38	13.30
-M80-7052705	M80-7052705	J	27	Crimp (24-28AWG)	With Jackscrews	10.16	9.35	8.13	7.52
-M80-7082705	M80-7082705	J	27	Crimp (24-28AWG)	Without Jackscrews	9.78	9.00	7.83	7.24
-M80-7054505	M80-7054505	J	45	Crimp (24-28AWG)	With Jackscrews	16.86	15.51	13.49	12.47
-M80-7084505	M80-7084505	J	45	Crimp (24-28AWG)	Without Jackscrews	17.82	16.39	14.26	13.19
-M80-7056305	M80-7056305	J	63	Crimp (24-28AWG)	With Jackscrews	19.51	17.95	15.61	14.44
-M80-7086305	M80-7086305	J	63	Crimp (24-28AWG)	Without Jackscrews	21.00	19.32	16.80	15.54

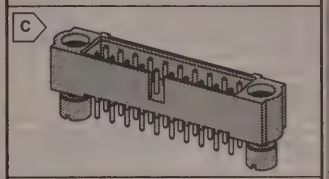
TAMATE TOOLS

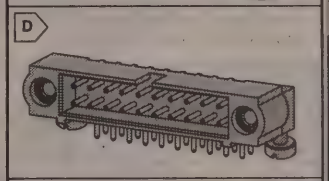
For quantities of 5 and up, call for quote.

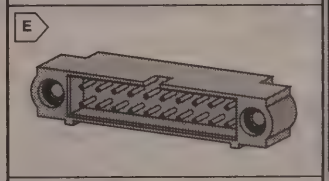
MOUSER STOCK NO.	Harwin Part No.	Description	Price Each
-M22520/2-01	M22520/2-01	Crimp Tool	324.90
-T5747	T5747	Positioner	66.93
-Z80-280	Z80-280	Insertion / Removal Tool	115.65

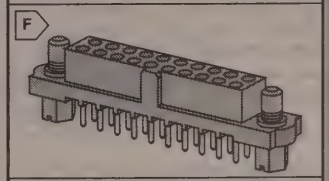


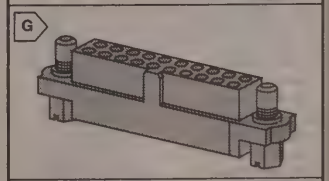


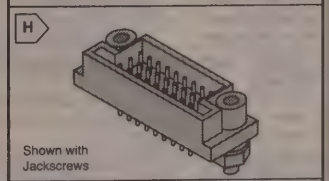




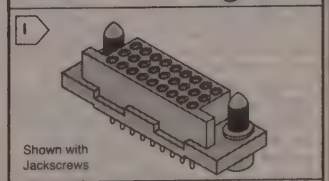








Shown with Jackscrews



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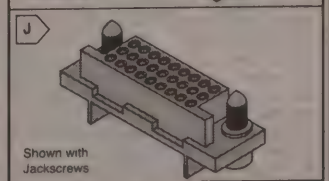


Shown with Jackscrews

NEW SUPPLIER NEW SUPPLIER Rectangular Connectors Harwin NEW SUPPLIER NEW SUPPLIER

JAE FF02 SERIES 0.30MM SMT FPC CONNECTORS

- Low profile 1.2mm above board
- Highly reliable mating structure
- FPC type: 0.3mm pitch, 0.12mm thickness with reinforcement
- RoHS Compliance per JAE documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
656-FF0227SS1	FF0227SS1-R3000	A	27	Right Angle	3.89	3.49	3.07	2.59
656-FF0239SS1	FF0239SS1-R3000	A	39	Right Angle	3.89	3.49	3.07	2.59
656-FF0260SS1	FF0260SS1-R3000	A	60	Right Angle	5.32	5.06	4.79	4.52

JAE FB1 SERIES 0.30MM SMT FPC ZIF CONNECTORS

- Single side bottom contact with FPC
- FPC is detached easily by a single hand
- Low profile 1.2mm above board
- RoHS Compliance per JAE documentation
- FPC type: 0.3mm pitch, 0.15mm thickness with reinforcement

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
656-FB1S021JA1	FB1S021JA1	B	21	Right Angle, One touch connector	3.75	3.58	3.22	3.04
656-FB1S033JA1	FB1S033JA1	B	33	Right Angle, One touch connector	1.53	1.27	1.02	.92
656-FB1S039JA1	FB1S039JA1	B	39	Right Angle, One touch connector	7.53	6.27	5.02	4.52

JAE IL-FHJ SERIES 0.30MM SMT FPC ZIF CONNECTORS

- Makes contact with FPC on the lower face
- Rotary slider can be operated by one hand
- Low profile 2.0mm above board
- RoHS Compliance per JAE documentation
- FPC type: 0.3mm pitch, 0.2mm thickness with reinforcement

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
656-IL-FHJ-21S-HF-N1	IL-FHJ-21S-HF-N1	C	21	Right Angle, One touch connector	3.65	3.48	3.13	2.96
656-IL-FHJ-27S-HF-N1	IL-FHJ-27S-HF-N1	C	27	Right Angle, One touch connector	4.18	3.98	3.58	3.38

JAE IL-FPR SERIES 0.50MM SMT FPC ZIF CONNECTORS

- Low profile 2.0mm above board (Right-angle type)
- FPC can be easily coupled and uncoupled
- RoHS Compliance per JAE documentation
- FPC type: 0.5mm pitch, 0.3mm thickness with reinforcement

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
656-IL-FPR-20S-HF-N1	IL-FPR-20S-HF-N1	D	20	Right Angle	2.39	2.28	2.05	1.94
656-IL-FPR-32S-HF-N1	IL-FPR-32S-HF-N1	D	32	Right Angle	3.30	3.14	2.83	2.67
656-IL-FPR-33S-HF-N1	IL-FPR-33S-HF-N1	D	33	Vertical	3.42	3.26	2.93	2.77
656-L-FPR-50S-HF-N1	IL-FPR-50S-HF-N1	D	50	Right Angle	5.29	5.04	4.54	4.28

JAE FA5 SERIES 0.50MM SMT FPC CONNECTORS

- Low profile connector for PCB-to-FPC
- Slider for easy FPC connections
- RoHS Compliance per JAE documentation
- FPC type: 0.5mm pitch, 0.3mm thickness with reinforcement

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
656-FA5S020HP1	FA5S020HP1	E	20	SMT, Right Angle	5.84	5.56	5.00	4.72
656-FA5S030HP1	FA5S030HP1	E	30	SMT, Right Angle	7.14	6.80	6.12	5.78
656-FA5S040HP1	FA5S040HP1	E	40	SMT, Right Angle	8.63	8.22	7.40	6.98
656-FA5S045HP1	FA5S045HP1	E	45	SMT, Right Angle	10.01	9.54	8.58	8.10
656-FA5S050HP1	FA5S050HP1	E	50	SMT, Right Angle	12.07	11.50	10.35	9.78
656-FA5B020HP1	FA5B020HP1	E	20	Bottom Mount, Right Angle	3.97	3.78	3.59	3.40
656-FA5B024HP1	FA5B024HP1	E	24	Bottom Mount, Right Angle	4.31	4.10	3.90	3.69
656-FA5B030HP1	FA5B030HP1	E	30	Bottom Mount, Right Angle	4.81	4.58	4.35	4.12
656-FA5B040HP1	FA5B040HP1	E	40	Bottom Mount, Right Angle	6.38	6.08	5.78	5.47

JAE WR SERIES 0.50MM LOW PROFILE SMT PCB CONNECTORS

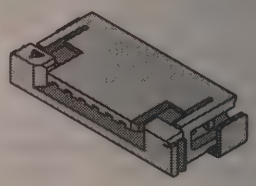
- For connection between parallel boards spaced 4 to 9mm
- Ribbon type contacts ensure reliable electrical continuity, resisting twisting force of coupling
- RoHS Compliance per JAE documentation
- Current Rating: 0.3Amps
- Operating Temperature: -40° to +85°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
656-WR-30S-VFH30-N1	WR-30S-VFH30-N1	F	30	Receptacle, 7mm height	3.65	3.48	3.31	3.13
656-WR-40S-VF-N1	WR-40S-VF-N1	F	40	Receptacle, 4mm height	3.93	3.74	3.55	3.37
656-WR-50S-VF-N1	WR-50S-VF-N1	F	50	Receptacle, 4mm height	4.78	4.56	4.10	3.87
656-WR-60S-VF-N1	WR-60S-VF-N1	F	60	Receptacle, 4mm height	5.63	5.36	5.09	4.82
656-WR-80S-VF-N1	WR-80S-VF-N1	F	80	Receptacle, 4mm height	7.10	6.76	6.08	5.75
656-WR-100S-VF-N1	WR-100S-VF-N1	F	100	Receptacle, 4mm height	9.32	8.88	8.44	7.99
656-WR-120S-VF-N1	WR-120S-VF-N1	F	120	Receptacle, 4mm height	10.29	9.8	8.82	8.33
656-WR-160SB-VF-N1	WR-160SB-VF-N1	F	160	Receptacle, 4mm height	13.69	13.04	11.74	11.08
656-WR-30P-VF50-N1	WR-30P-VF50-N1	G	30	Plug, 5mm height	2.94	2.8	2.66	2.52
656-WR-40P-VF-N1	WR-40P-VF-N1	G	40	Plug, 4mm height	3.93	3.74	3.55	3.37
656-WR-50P-VF-N1	WR-50P-VF-N1	G	50	Plug, 4mm height	4.78	4.56	4.1	3.87
656-WR-60P-VF-N1	WR-60P-VF-N1	G	60	Plug, 4mm height	5.63	5.36	5.09	4.82
656-WR-80P-VF-N1	WR-80P-VF-N1	G	80	Plug, 4mm height	7.1	6.76	6.08	5.75
656-WR-80P-VF50-N1	WR-80P-VF50-N1	G	80	Plug, 5mm height	7.10	6.76	6.42	6.08
656-WR-100P-VF-N1	WR-100P-VF-N1	G	100	Plug, 4mm height	8.90	8.48	8.06	7.63
656-WR-120P-VF-N1	WR-120P-VF-N1	G	120	Plug, 4mm height	10.29	9.8	8.82	8.33
656-WR-160PB-VF50-N1	WR-160PB-VF50-N1	G	160	Plug, 5mm height	13.69	13.04	11.74	11.08

A

B



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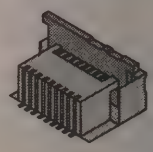

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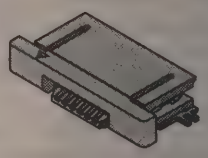

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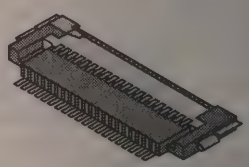

FA5B Series Illustrated

PRODUCT NE

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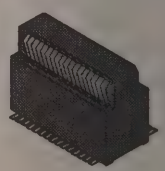

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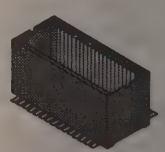


MOUSER ELECTRONICS a tti company

(800) 346-6873

IL-312 SERIES 0.50MM LOW PROFILE SMT PCB CONNECTORS

onnection between parallel boards spaced 2.5 to 3.5mm
heat resistant insulators
cts: Copper Alloy
nt Rating: 0.3Amps

- RoHS Compliance per JAE documentation
- Operating Temperature: -40° to +85°C
- For use in applications that require boards to be stacked

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
L-312-A50S-VFA1	IL-312-A50S-VF-A1	A	50	Receptacle, 2.15mm height	7.03	6.53	5.27	3.00
L-312-A60S-VFA1	IL-312-A60S-VF-A1	A	60	Receptacle, 2.15mm height	7.98	7.41	5.99	4.28
L-312-A70S-VFA1	IL-312-A70S-VF-A1	A	70	Receptacle, 2.15mm height	9.32	8.66	6.99	5.00
L-312-A80S-VFA1	IL-312-A80S-VF-A1	A	80	Receptacle, 2.15mm height	10.11	9.39	7.58	5.42
L312A100SBVFH	IL-312-A100SB-VFH05-A1	A	100	Receptacle, 2.15mm height	7.58	7.22	6.86	6.50
L-312-A50P-VFA1	IL-312-A50P-VF-A1	B	50	Plug, 1.55mm height	7.03	6.53	5.27	3.77
L-312-60PVF30A1	IL-312-60P-VF30-A1	B	60	Plug, 2.05mm height	7.98	7.41	5.99	4.28
L-312-70PVF30A1	IL-312-70P-VF30-A1	B	70	Plug, 2.05mm height	9.32	8.66	6.99	5.00
L-312-A80P-VFA1	IL-312-A80P-VF-A1	B	80	Plug, 1.55mm height	10.11	9.39	7.58	5.42
L312A100PVFA1	IL312-A100P-VF-A1	B	100	Plug, 1.55mm height	7.60	7.24	6.88	6.52

DD1 AND DD2 SERIES 0.50MM INTERFACE CONNECTORS

rms to USB2.0 Standard
e ground connection for EMI prevention
ptacle: Live insertion

- RoHS Compliance per JAE documentation
- Initial Contact Resistance: 50m Ohm Max.
- Rated Current: for signal 0.5A, for power 1.0A

PRODUCT NEW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
D1B030HA1R500	DD1B030HA1R500	C	30	SMT, Plug	2.64	2.51	2.38	2.24
D1P030MA1	DD1P030MA1	D	30	Cable Plug	7.46	7.09	6.71	6.34
D1R030HA1R1300	DD1R030HA1R1300	E	30	SMT, Receptacle	2.43	2.31	2.19	2.06
D2B040HA2R500	DD2B040HA2R500	F	40	SMT, Plug	4.27	4.06	3.84	3.63
D2P040MA1	DD2P040MA1	G	40	Cable Plug	5.18	4.92	4.66	4.40
D2R040HP2R1000	DD2R040HP2R1000	H	40	SMT, Receptacle	3.32	3.15	2.99	2.82

DA1 SERIES 0.60MM SMT PCB TO CABLE CONNECTORS

g Height: 3mm
nt Rating: 0.5A
tor: Black Nylon - UL94V-0

- RoHS Compliance per JAE documentation
- Pin Contact: Gold Plated Copper Alloy
- Plug color: gray

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
A1R010H91E	DA1R010H91E	I	10	Right Angle SMT Receptacle	2.46	2.34	2.11	1.99
A1R018H91E	DA1R018H91E	I	18	Right Angle SMT Receptacle	2.69	2.56	2.30	2.18
A1R026L91E	DA1R026L91E	I	26	Right Angle SMT Receptacle	3.42	3.26	3.10	2.93
A1P010M94E	DA1P010M94E	J	10	Cable Plug (28 AWG Max)	4.66	4.44	3.99	3.77
A1P018M91E	DA1P018M91E	J	18	Cable Plug (28 AWG Max)	4.67	4.45	4.00	3.78
A1P026M92E	DA1P026M92E	J	26	Cable Plug (28 AWG Max)	5.63	5.36	5.09	4.82
A1B026H91EE500	DA1B026H91EE500	C	26	Right Angle SMT Plug	8.34	7.95	7.55	7.15

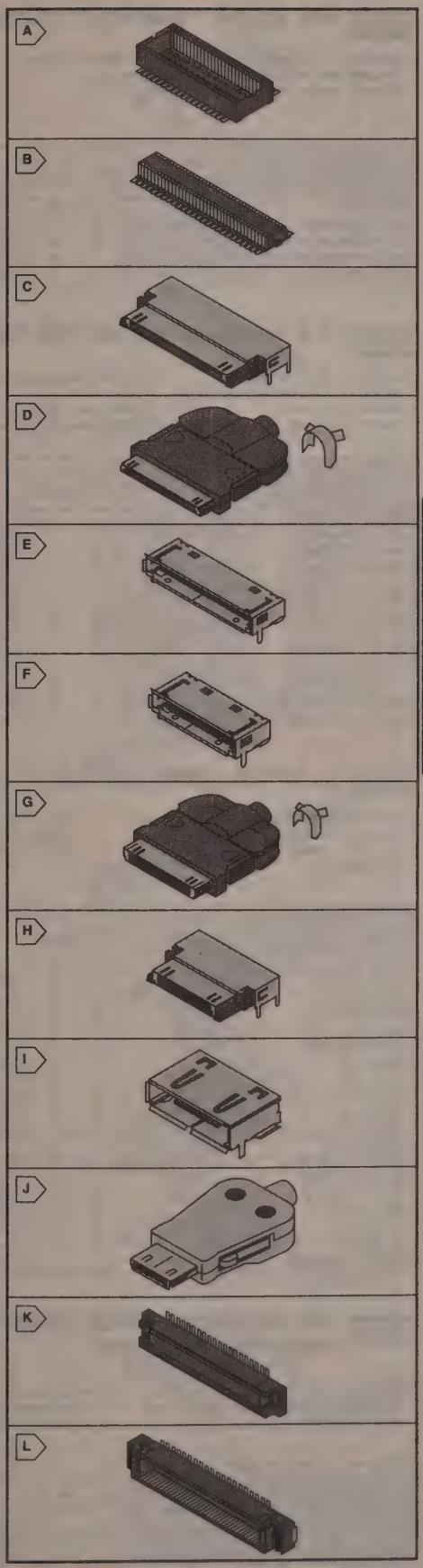
KX14 / KX15 SERIES 0.80MM LOW PROFILE SMT PCB CONNECTORS

onnection between parallel boards spaced 4 to 15mm
lization key prevents mismating
tant to vibration and twisting
ct: Copper Alloy

- RoHS Compliance per JAE documentation
- Current Rating: 0.5 Amps
- Operating Temperature: -40° to +85°C
- For use in applications that require boards to be stacked

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	50	100
X14-40K2D-RE	KX14-40K2D-RE	K	40	Receptacle, 2mm height	2.69	2.56	2.30	2.18
X14-40K5D-RE	KX14-40K5D-RE	K	40	Receptacle, 5mm height	2.75	2.62	2.36	2.22
X14-50K11DE	KX14-50K11DE	K	50	Receptacle,11mm height	3.17	3.02	2.72	2.57
X14-50K2D-RE	KX14-50K2D-RE	K	50	Receptacle, 2mm height	3.23	3.08	2.77	2.62
X14-50K5D-RE	KX14-50K5D-RE	K	50	Receptacle, 5mm height	3.30	3.14	2.83	2.67
X14-50K8DE	KX14-50K8DE	K	50	Receptacle, 8mm height	3.30	3.14	2.83	2.67
X14-60K2DE	KX14-60K2DE	K	60	Receptacle, 2mm height	3.78	3.60	3.24	3.06
X14-80K2DE	KX14-80K2DE	K	60	Receptacle, 2mm height	4.83	4.60	4.14	3.91
X14-80K5DE	KX14-80K5DE	K	80	Receptacle, 5mm height	4.94	4.70	4.23	3.99
X14-80K8DE	KX14-80K8DE	K	80	Receptacle, 8mm height	4.94	4.70	4.23	3.99
X14-100K2DE	KX14-100K2DE	K	100	Receptacle, 2mm height	5.38	4.61	4.35	4.10
X14-100K11DE	KX14-100K11DE	K	100	Receptacle, 11mm height	5.69	5.42	4.88	4.61
X15-40K2D-RE	KX15-40K2D-RE	L	40	Plug, 2mm height	2.69	2.56	2.30	2.17
X15-40K3DE	KX15-40K3DE	L	40	Plug, 3mm height	2.75	2.62	2.36	2.22
X15-50K2DE	KX15-50K2DE	L	50	Plug, 2mm height	3.23	3.08	2.77	2.62
X15-50K3DE	KX15-50K3DE	L	50	Plug, 3mm height	3.28	3.12	2.81	2.65
X15-50K4DE	KX15-50K4DE	L	50	Plug, 4mm height	3.15	3.00	2.70	2.55
X15-60K2DE	KX15-60K2DE	L	60	Plug, 2mm height	3.78	3.60	3.24	3.06
X15-80K2DE	KX15-80K2DE	L	80	Plug, 2mm height	4.83	4.60	4.14	3.91
X15-80K3DE	KX15-80K3DE	L	80	Plug, 3mm height	4.89	4.66	4.19	3.96
X15-100K2DE	KX15-100K2DE	L	100	Plug, 2mm height	5.92	5.64	5.07	4.79
X15-100K4DE	KX15-100K4DE	L	100	Plug, 4mm height	5.98	5.70	5.13	4.85



JAE FI-X SERIES 1.0MM PCB TO CABLE CONNECTORS FOR FPC

- Improved ground condition which is directly related to EMI characteristics
- Compatible with high-speed differential transmission and high-level impedance matching (90 to 100 ohms)
- RoHS Compliance per JAE documentation
- Bottom type structure provides 1.5mm (.059") connector height and 1mm (.039") height above the PCB
- Current Rating: AC/DC 1 Amp per contact

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	10	50	100
656-FI-X30H	FI-X30H	A	30	Crimp, Plug Housing	1.88	1.79	1.69	1.60
656-FI-X30M-NPB	FI-X30M-NPB	A	30	ZIF, Cable Side Plug	5.82	5.53	5.24	4.95
656-FI-X30S-HF-NPB	FI-X30S-HF-NPB	B	30	Right Angle Receptacle	7.34	6.97	6.61	6.24
656-FI-XB30SHF10NPB	FI-XB30S-HF10-NPB	B	30	Right Angle Sunken Receptacle	7.34	6.97	6.61	6.24
656-FI-XC3-1-15000	FI-XC3-1-15000	-	-	Crimp Contacts 30-36 AWG	.06	.06	.05	.05

JAE IL-Z SERIES 1.25MM SMT PCB TO CABLE CRIMP CONNECTORS

- Low Profile, 3.45mm above board
- Pin headers suited for automatic packaging
- Crimp to wire sockets
- Operating Temperature: -40° to +70°C
- RoHS Compliance per JAE documentation
- Current Rating: 1 A
- AWG Range: 28-30
- Crimp contacts sold separately

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	10	50	100
656-IL-Z-2PL-SMTYE	IL-Z-2PL-SMTYE	C	2	Right Angle SMT Pin Header	.27	.26	.25	.23
656-IL-Z-5PL-SMTYE	IL-Z-5PL-SMTYE	C	5	Right Angle SMT Pin Header	.36	.34	.32	.30
656-IL-Z-7PL-SMTYE	IL-Z-7PL-SMTYE	C	7	Right Angle SMT Pin Header	.42	.40	.38	.36
656-IL-Z-10PL-SMTYE	IL-Z-10PL-SMTYE	C	10	Right Angle SMT Pin Header	.55	.46	.42	.39
656-IL-Z-13PL-SMTYE	IL-Z-13PL-SMTYE	C	13	Right Angle SMT Pin Header	.50	.48	.45	.43
656-IL-Z-15PL-SMTYE	IL-Z-15PL-SMTYE	C	15	Right Angle SMT Pin Header	.55	.52	.49	.46
656-IL-Z-2S-S125C3	IL-Z-2S-S125C3	D	2	Socket Housing	.13	.12	.10	.09
656-IL-Z-5S-S125C3	IL-Z-5S-S125C3	D	5	Socket Housing	.13	.12	.10	.09
656-IL-Z-7S-S125C3	IL-Z-7S-S125C3	D	7	Socket Housing	.16	.15	.14	.12
656-IL-Z-10S-S125C3	IL-Z-10S-S125C3	D	10	Socket Housing	.16	.15	.14	.12
656-IL-Z-13S-S125C3	IL-Z-13S-S125C3	D	13	Socket Housing	.25	.23	.19	.17
656-IL-Z-15S-S125C3	IL-Z-15S-S125C3	D	15	Socket Housing	.25	.23	.19	.17
656-IL-Z-C3-A-15000	IL-Z-C3-A-15000	-	-	Crimp Contacts 28-30 AWG	.07	.06	.05	.04

JAE FI SERIES 1.25MM SMT PCB TO CABLE CONNECTORS

- High density connectors for board to cable connections
- Friction Lock Housing
- FPC Versions Available
- Current Rating: 1 A
- RoHS Compliance per JAE documentation
- Operating Temperature: -40° to +80°C
- Crimp contacts sold separately

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	10	50	100
Single Row								
656-FI-S3P-HFE	FI-S3P-HFE	B	3	Right Angle Receptacle	.92	.87	.83	.78
656-FI-S4P-HFE	FI-S4P-HFE	B	4	Right Angle Receptacle	1.16	1.10	1.04	.99
656-FI-S5P-HFE	FI-S5P-HFE	B	5	Right Angle Receptacle	1.30	1.24	1.17	1.11
656-FI-S10P-HFE	FI-S10P-HFE	B	10	Right Angle Receptacle	1.52	1.44	1.37	1.29
656-FI-S20P-HFE	FI-S20P-HFE	B	20	Right Angle Receptacle	2.22	2.11	2.00	1.89
656-FI-S3S	FI-S3S	A	3	Crimp Plug	.46	.44	.41	.39
656-FI-S4S	FI-S4S	A	4	Crimp Plug	.46	.44	.41	.39
656-FI-S5S	FI-S5S	A	5	Crimp Plug	.58	.55	.52	.49
656-FI-S10S	FI-S10S	A	10	Crimp Plug	.70	.67	.63	.60
656-FI-S20S	FI-S20S	A	20	Crimp Plug	.80	.76	.72	.68
Double Row								
656-FI-TWE21P-VF	FI-TWE21P-VF-E1400	E	21	Vertical Receptacle (Shielded)	5.60	5.32	5.04	4.76
656-FI-W31P-HFE	FI-W31P-HFE	F	31	Right Angle Receptacle	3.74	3.55	3.37	3.18
656-FI-W41P-HFE	FI-W41P-HFE	F	41	Right Angle Receptacle	4.44	4.22	4.00	3.77
656-FI-W21S	FI-W21S	G	21	Crimp Plug	.92	.87	.83	.78
656-FI-W31S	FI-W31S	G	31	Crimp Plug	1.04	.99	.94	.88
656-FI-W41S	FI-W41S	G	41	Crimp Plug	1.16	1.10	1.04	.99
656-FI-C3-A1-15000	FI-C3-A1-15000	-	-	Crimp Contacts 28-32 AWG	.05	.05	.04	.04

JAE DG1 SERIES INTERFACE CONNECTOR CONFORMING TO INFINIBAND STANDARD

- Conform to *IBTA Cooper Cable Standard 4x,12x
- Enables high-speed transmission of 5Gbps or more
- RoHS Compliance per JAE documentation
- RoHS Compliance per JAE documentation
- Receptacle can be mated to panel using one-touch clip, eliminating need for any other tool
- Receptacle with wide nozzle attachment area enables automatic mounting

* IBTA/InfiniBand Trade Association

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	10	50	100
656-DG1R025HS5E250	DG1R025HS5E250	H	25	Receptacle, 4x InfiniBand, SMT	14.99	14.27	13.56	12.85
656-DG1R073HS5E250	DG1R073HS5E250	H	73	Receptacle, 12x InfiniBand, SMT	21.72	20.69	19.66	18.62

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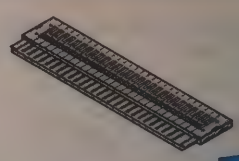

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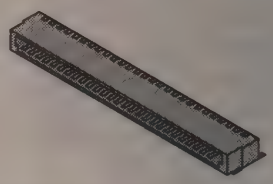

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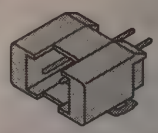

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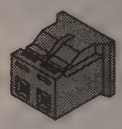

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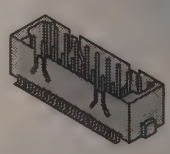

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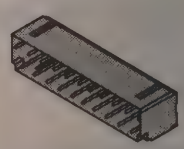

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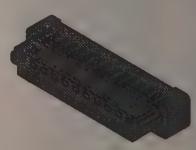

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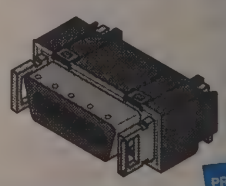

MOUSER ELECTRONICS a tti company (800) 346-6873

SIM and DIMM Sockets and Memory Card Connectors

ELPHI EXPRESSCARD™ CONNECTORS

ction Systems

- terline spacing: 1.0mm
- nting style: SMT
- sing color: Black
- Contact Plating: 15µ" Gold
- Cycle durability: 5000
- Tape and reel available, call for quote

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Delphi Part No.	Fig.	No. of Circuits	Description	Price Each				
					1	25	50	100	250
15431620-100	15431620-100	A	26	Card Connector	1.08	.92	.85	.76	.68
15431621-100	15431621-100	B	26	Host Connector	1.43	1.21	1.13	1.01	.92

ELPHI SMT DDR SO-DIMM SOCKETS

ction Systems

- terline spacing: .60mm
- l reinforced retention latches
- sing color: Black
- Voltage: 2.5V
- Contact Plating: 15µ" Gold
- Meets JEDEC MO-224 requirements

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Delphi Part No.	Fig.	No. of Circuits	Description	Price Each				
					1	25	50	100	250
15431499-222	15431499-222	C	200	Standard	2.62	2.22	2.09	1.89	1.68
15431500-222	15431500-222	D	200	Reverse	2.62	2.22	2.09	1.89	1.68

ELPHI DDR DIMM SOCKET

ction Systems

- terline spacing: 1.27mm
- nting style: Board TH
- sing color: Black
- Voltage: 2.5V
- Contact Plating: 15µ" Gold
- Meets JEDEC MO-206 requirements

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Delphi Part No.	Fig.	No. of Circuits	Description	Price Each				
					1	25	50	100	250
15430316-300	15430316-300	E	184	Boardlocks, Beam style	1.96	1.66	1.48	1.31	1.26

AE MM50 SO-DIMM SMT SOCKETS & WA6 DDR2 MICRODIMM SOCKETS

50 Series is designed for laptop PC memories in compliance with EC standards MO-224 for 200 contact DDR-SO-DIMM
50 Voltage: 2.5V

- WA6 Series is the new DDR2 microDimm standard
- RoHS Compliance per JAE documentation
- WA6 Series Current Rating: 0.3 A

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	10	50	100
MM50-200B1-1E	MM50-200B1-1E	D	200	DIMM Socket, 2.5V	3.70	3.25	2.74	1.78
MM50-200B11RE	MM50-200B1-1RE	D	200	DIMM Socket Reversed, 2.5V	3.86	3.58	2.86	2.22
MM50-200B21E	MM50-200B2-1E	D	200	DIMM Socket, 1.8V	3.51	3.25	2.60	2.02
MM50-200B21RE	MM50-200B2-1RE	D	200	DIMM Socket Reversed, 1.8V	3.51	3.25	2.60	2.02
WA6M214VA1T	WA6M214VA1T	F	214	Male, DDR2 microDIMM Socket	11.66	10.80	8.64	6.70
WA6F214VA1T	WA6F214VA1T	G	214	Female, DDR2 microDIMM Socket	9.72	9.00	7.20	5.58

AE SF7 AND SF2 SIM CARD SMT CONNECTORS

ports GSM 11.11 standard
pliant Plug-in SIM Card

- ✻ Easy operation hinge slide lock mechanism
- ✻✻ Super low profile with a height of 0.5mm from the board

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	10	50	100
SERIES								
556-SF7W006S1AE1000	SF7W006S1AE1000	H	6	2.3mm height	1.45	1.35	1.09	.78
556-SF7W008S1AE900	SF7W008S1AE900	H	8	2.5mm height w/card detection switch	2.70	2.51	2.03	1.45
Series								
556-SF2W006S4KE3000	SF2W006S4KE3000	I	6	SMT SIM Contact Block	1.15	1.07	.86	.62

AE SC1 AND SG3 SMALL MEMORY CARDS

ll and low profile connectors
tact Resistance: 100 milliohms or less
h-push structure to minimize space

- Rated Current: 0.5 Amps
- RoHS Compliance per JAE documentation
- Insulation Resistance: 1000 megaohms or more

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	10	50	100
SC1S011V1S2	SC1S011V1S2	J	11	miniSD Push/Push	1.48	1.41	1.33	1.26
SG3S012V1CE	SG3S012V1CE	K	12	SD Card Socket	5.42	5.15	4.88	4.61
SG3S013V1A	SG3S013V1A	K	13	SD Card Socket	2.06	1.96	1.85	1.75

AE SH1/2/3 SERIES MMC MEMORY CARD SMT CONNECTOR

T type with suction area for automatic mounting
profile, 2.4mm high on board (SH1/SH2)

- Positioning boss ensures accurate positioning in automatic mounting

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	10	50	100
SH1S007V1A	SH1S007V1A	L	7	With ejector	3.75	3.48	2.81	2.01
SH2S007V1A	SH2S007V1A	L	7	Without ejector	1.96	1.82	1.47	1.05
SH3S007W1B	SH3S007W1B	L	7	Push/Push card insertion/removal	5.63	5.23	4.22	3.02

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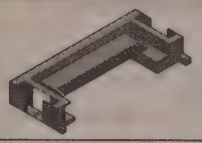

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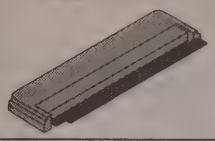

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MM50-200B2 Series Only

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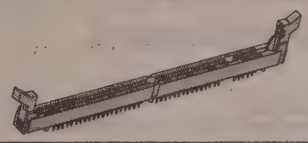

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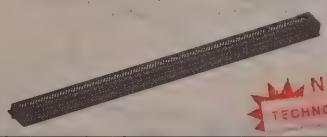

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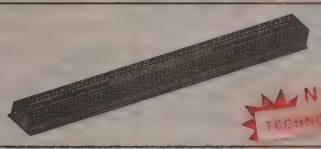

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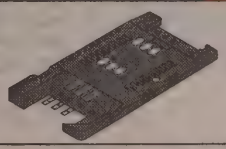

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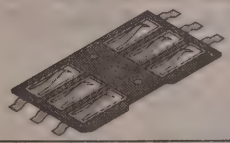

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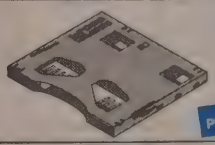

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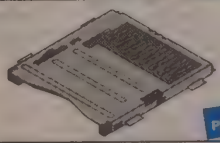

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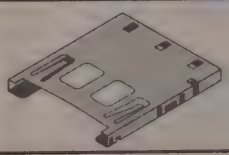


MILL-MAX In-line Sockets and Headers

.050" INTERCONNECTS

- May be cut to length
- Sockets: 200μ" Tin plated sleeve/ 30μ" Gold plated contact
- Headers: 10μ" Gold Plated
- High temp insulators, for all soldering operations
- Tail Type: Solder
- .016" Diameter Pins
- Voltage: 3A

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Description	Tail Type	No. of Cont.	Price Each 1	10	100	500
Single Row									
575-500101	850-10-050-10-001	A	Straight Header	Solder	50	6.34	5.66	4.58	3.91
575-501101	851-93-050-10-001	B	Straight Socket	Solder	50	9.66	8.62	6.98	5.96
575-500201	850-10-050-20-001	C	Rt. Angle Header	Solder	50	8.60	7.68	6.21	5.31
575-501201	851-93-050-20-001	D	Rt. Angle Socket	Solder	50	12.02	10.74	8.69	7.42
575-500301	850-10-050-30-001	E	Surf. Mnt. Header	Solder	50	9.33	8.33	6.74	5.76
575-501301	851-93-050-30-001	F	Surf. Mnt. Socket	Solder	50	12.68	11.33	9.17	7.83
Double Row									
575-002101	852-10-100-10-001	G	Straight Header	Solder	2x50	12.67	11.32	9.16	7.82
575-003101	853-93-100-10-001	H	Straight Socket	Solder	2x50	19.31	17.25	13.96	11.92
575-002201	852-10-100-20-001	I	Rt. Angle Header	Solder	2x50	17.34	15.49	12.53	10.70
575-003201	853-93-100-20-001	J	Rt. Angle Socket	Solder	2x50	24.13	21.55	17.44	14.89
575-002301	852-10-100-30-001	K	Surf. Mnt. Header	Solder	2x50	17.02	15.20	12.30	10.51
575-003301	853-93-100-30-001	L	Surf. Mnt. Socket	Solder	2x50	23.66	21.13	17.10	14.61

2.00mm INTERCONNECTS

- May be cut to length
- Sockets: 200μ" Tin plated sleeve/ 30μ" Gold plated contact
- Headers: 10μ" Gold Plated
- High temp insulators, for all soldering operations
- Tail Type: Solder
- .019" Diameter Pins

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Description	Tail Type	No. of Cont.	Price Each 1	10	100	500
Single Row									
575-205030	830-10-050-10-001	M	Straight Header	Solder	50	5.63	5.02	4.07	3.47
575-205031	831-93-050-10-001	N	Straight Socket	Solder	50	3.63	3.24	2.62	2.24
575-205830	830-10-050-30-001	O	Surf. Mnt. Header	Solder	50	8.49	7.59	6.14	5.24
575-205831	831-93-050-30-001	P	Surf. Mnt. Socket	Solder	50	6.59	5.89	4.76	4.07
Double Row									
575-200032	832-10-100-10-001	Q	Straight Header	Solder	2x50	11.25	10.05	8.13	6.95
575-200033	833-93-100-10-001	R	Straight Socket	Solder	2x50	7.25	6.48	5.24	4.48
575-200832	832-10-100-30-001	S	Surf. Mnt. Header	Solder	2x50	16.82	15.02	12.16	10.38
575-200833	833-93-100-30-001	T	Surf. Mnt. Socket	Solder	2x50	13.05	11.66	9.43	8.06

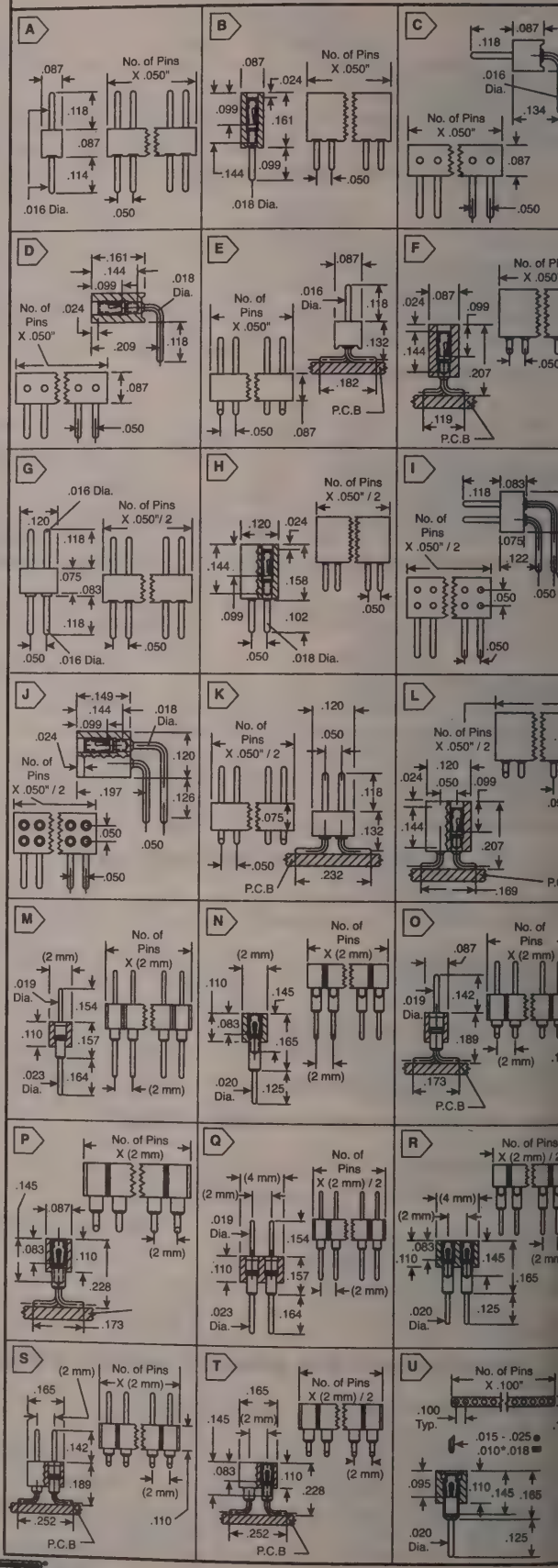
.100" SINGLE-IN-IINE SOCKETS

- Soldier tail, single row
- Contact: 30μ" Gold
- Sleeve: 30μ" Gold or 200μ" Tin
- May be cut to any length
- High-Rel 4-finger contacts are rated at 3A
- Sockets accept .015-.025" dia. pins and standard IC leads

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	No. of Contacts	Length (in.)	Sleeve Plating	Price Each 1	10	100	500
575-193108	310-93-108-41-001	U	8	.8	Tin	.23	.22	.21	.20
575-113108	310-13-108-41-001	U	8	.8	Gold	.51	.49	.36	.33
575-193110	310-93-110-41-001	U	10	1.0	Tin	.29	.26	.25	.24
575-113110	310-13-110-41-001	U	10	1.0	Gold	.63	.61	.45	.39
575-193114	310-93-114-41-001	U	14	1.4	Tin	.43	.37	.33	.31
575-113114	310-13-114-41-001	U	14	1.4	Gold	.88	.86	.63	.55
575-193120	310-93-120-41-001	U	20	2.0	Tin	.58	.53	.47	.44
575-113120	310-13-120-41-001	U	20	2.0	Gold	1.28	1.22	.90	.80
575-193130	310-93-130-41-001	U	30	3.0	Tin	.88	.79	.71	.67
575-113130	310-13-130-41-001	U	30	3.0	Gold	1.89	1.83	1.36	1.18
575-193132	310-93-132-41-001	U	32	3.2	Tin	.93	.85	.76	.71
575-113132	310-13-132-41-001	U	32	3.2	Gold	2.05	1.95	1.47	1.28
575-193164	310-93-164-41-001	U	64	6.4	Tin	1.87	1.69	1.51	1.42
575-113164	310-13-164-41-001	U	64	6.4	Gold	4.04	3.91	2.90	2.52

DIMENSIONS (IN.)



MOUSER ELECTRONICS a tti company (800) 346-6873

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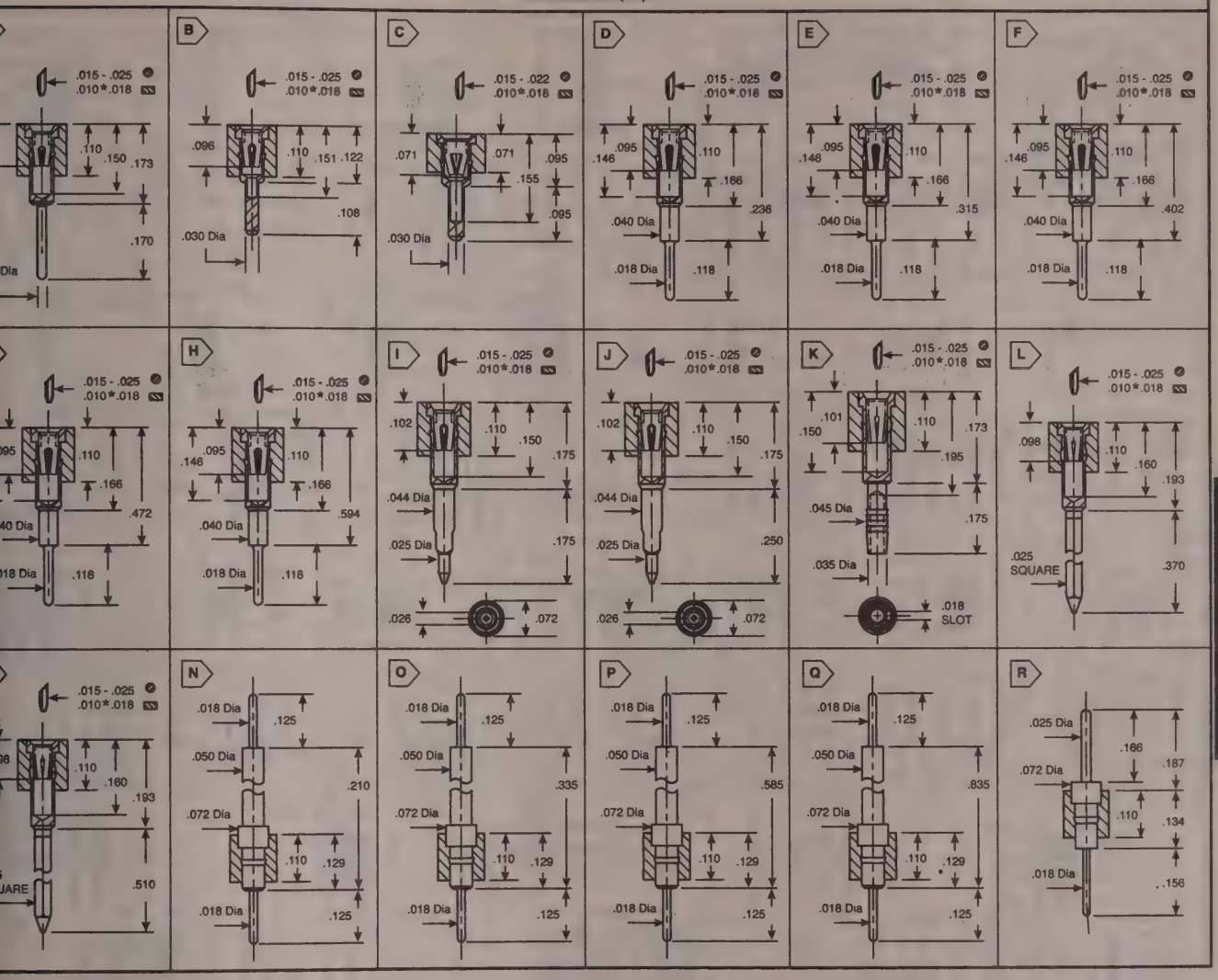


.100" SINGLE-IN-LINE SOCKETS

act: 30µ" Gold
ve: 30µ" Gold or 200µ" Tin
ositions (can be cut down)
-Rel 4-finger contacts are rated at 3A
ets accept .015-.025" dia. pins and standard IC leads

For quantities of 1,000 and up, call for quote.

USER CK NO.	Mill-Max Part No.	Fig.	Description	Tail Type	Sleeve Plating	Price Each 1	10	100	500
641101	311-93-164-41-001	A	Long Solder Tail	Solder	Tin	3.16	2.73	2.21	1.89
641501	315-93-164-41-001	B	Very Low Prof.	Solder	Tin	3.98	3.50	2.88	2.12
641503	315-93-164-41-003	C	Ultra Low Prof.	Solder	Tin	3.95	3.21	2.79	2.07
643166	316-93-164-41-006	D	Elevated	Solder	Tin	6.92	5.97	4.84	4.15
643163	316-93-164-41-003	E	Elevated	Solder	Tin	7.25	6.30	5.10	4.39
643167	316-93-164-41-007	F	Elevated	Solder	Tin	7.38	6.55	5.36	4.15
643168	316-93-164-41-008	G	Elevated	Solder	Tin	7.85	6.54	5.45	4.80
643161	316-93-164-41-001	H	Elevated	Solder	Tin	8.12	7.34	5.93	5.08
644170	304-13-164-41-770	I	Solderless	Press-Fit	Gold	5.83	5.21	4.21	3.60
644180	304-13-164-41-780	J	Solderless	Press-Fit	Gold	6.29	5.62	4.55	3.88
644113	346-93-164-41-013	K	Solderless	Press-Fit	Tin	7.35	6.21	5.08	3.75

.100" SINGLE-IN-LINE SOCKETS, WRAPOST

- May be cut to length
- Contact: 30µ" Gold
- Sleeve: 30µ" Gold or 20µ" Tin

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Description	No. of Cont.	Sleeve Plating	Price Each 1	10	100	500
575-213120	322-13-120-41-001	L	2 Level	20	Gold	2.30	2.21	1.63	1.44
575-293120	322-93-120-41-001	L	2 Level	20	Tin	1.80	1.73	1.28	1.13
575-213132	322-13-132-41-001	L	2 Level	32	Gold	3.68	3.54	2.61	2.30
575-293132	322-93-132-41-001	L	2 Level	32	Tin	2.88	2.77	2.05	1.81
575-313120	323-13-120-41-001	M	3 Level	20	Gold	2.52	2.41	1.78	1.57
575-393120	323-93-120-41-001	M	3 Level	20	Tin	1.98	1.90	1.40	1.24
575-313132	323-13-132-41-001	M	3 Level	32	Gold	4.03	3.86	2.85	2.51
575-393132	323-93-132-41-001	M	3 Level	32	Tin	3.17	3.04	2.24	1.98

.100" SINGLE-IN-LINE HEADERS

- Pin plating: 10µ" Gold
- .018" Pin / .016" Tails

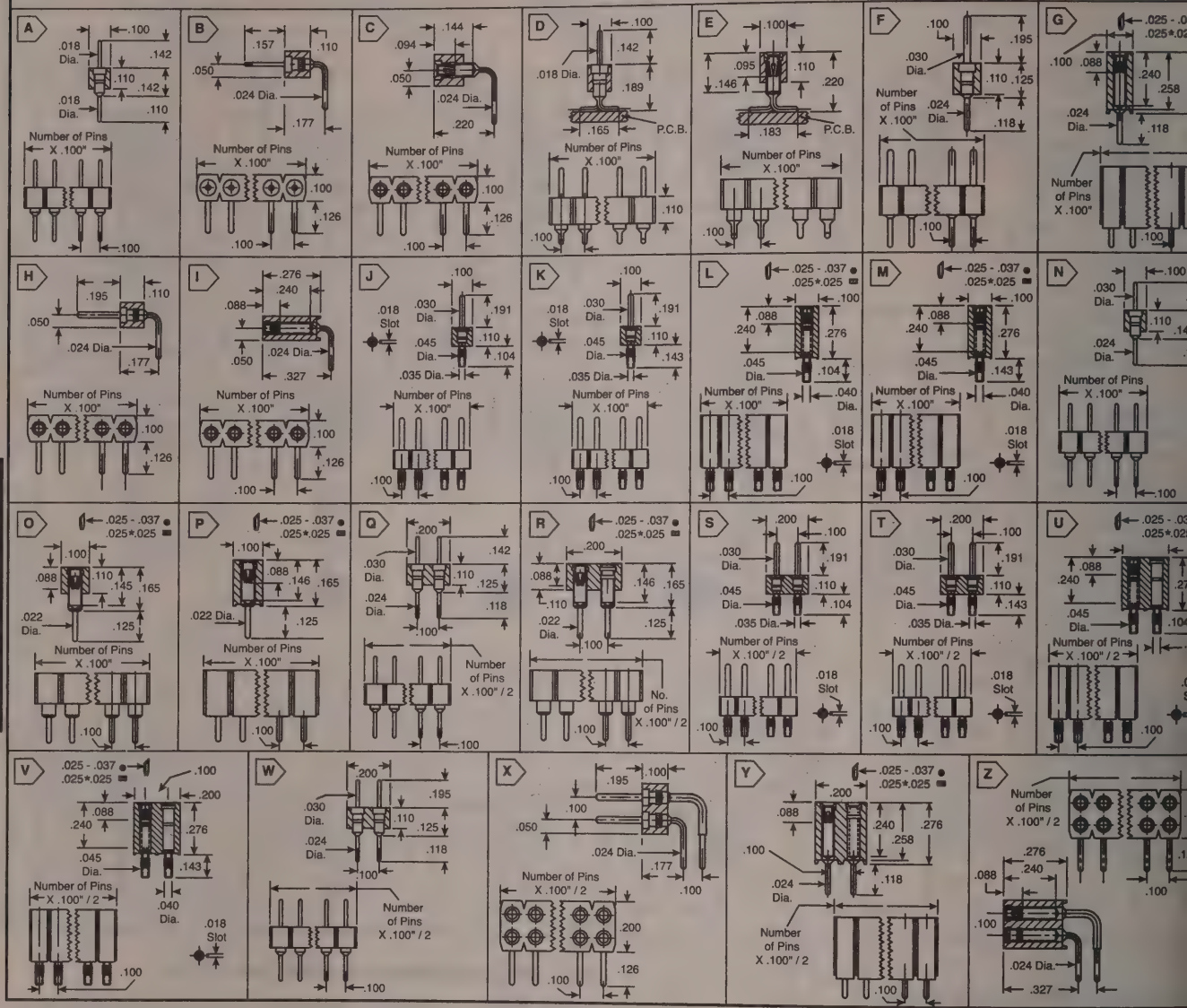
*.025" Pin / .016" Tail

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	No. of Positions	Tail Type	L (In.)	Price Each 1	10	100	500
575-641591	342-10-164-00-591	N	64	Solder	.210	5.79	5.17	4.19	3.58
575-641592	342-10-164-00-592	O	64	Solder	.335	6.20	5.54	4.48	3.83
575-641593	342-10-164-00-593	P	64	Solder	.585	8.29	7.40	5.99	5.11
575-641594	342-10-164-00-594	Q	64	Solder	.835	10.85	9.69	7.85	6.70
*575-101641	350-10-164-00-001	R	64	Solder	.155	5.46	4.87	3.94	3.37

MILL-MAX In-line Sockets and Headers

DIMENSIONS (IN.)



.100" INTERCONNECTS SINGLE ROW

- May be cut to length
- Sockets: 200μ" Tin plated sleeve/ 30μ" Gold plated contact
- Headers: 10μ" Gold Plated

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Description	Tail Type	No. of Cont.	Price Each 1	10	100	500
.018" Dia. Pins, 3A									
575-643506	350-10-164-00-006	A	Straight Header	Solder	64	5.57	4.97	4.02	3.44
575-643909	399-10-164-10-009	B	Rt. Angle Header	Solder	64	6.37	5.69	4.61	3.93
575-643903	399-93-164-10-003	C	Rt. Angle Socket	Solder	64	5.44	4.86	3.93	3.36
575-640006	350-10-164-00-106	D	Surf. Mt. Header	Solder	64	8.38	7.26	5.86	5.02
575-644105	310-93-164-41-105	E	Surf. Mt. Socket	Solder	64	5.84	5.05	4.08	3.50
.030" Dia. Pins, 4.5A									
575-010064	800-10-064-10-001	F	Straight Header	Solder	64	4.64	4.22	3.79	3.59
575-093050	801-93-050-10-001	G	Straight Socket	Solder	50	4.05	3.68	3.31	3.13
575-642001	800-10-064-20-001	H	Rt. Angle Header	Solder	64	6.80	5.89	4.76	4.08
575-502001	801-93-050-20-001	I	Rt. Angle Socket	Solder	50	5.70	5.09	4.12	3.52
575-648061	800-10-064-61-001	J	Straight Header	Press-Fit	64	8.73	7.80	6.31	5.39
575-648062	800-10-064-62-001	K	Straight Header	Press-Fit	64	8.87	7.92	6.41	5.47
575-648161	801-93-050-61-001	L	Straight Socket	Press-Fit	50	8.47	7.56	6.12	5.23
575-648162	801-93-050-62-001	M	Straight Socket	Press-Fit	50	8.49	7.59	6.14	5.24
575-641002	800-10-064-10-002	N	Low Prof. Header	Solder	64	6.27	5.66	4.65	3.43
575-641012	801-93-064-10-002	O	Low Prof. Socket	Solder	64	6.00	5.36	4.33	3.70
575-361012	801-93-036-10-012	P	Low Prof. Socket	Solder	36	3.87	3.29	2.60	2.11

.100" INTERCONNECTS DOUBLE ROW

- May be cut to length
- Sockets: 200μ" Tin plated sleeve/ 30μ" Gold plated contact
- Headers: 10μ" Gold Plated

For quantities of 1,000 and up, call for q

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Description	Tail Type	No. of Cont.	Price Each 1	10	100	
.030" Dia. Pins, 4.5A									
575-641022	802-10-064-10-002	Q	Low Prof. Header	Solder	2x32	5.99	5.35	4.33	3
575-721022	803-93-072-10-002	R	Low Prof. Socket	Solder	2x36	7.22	6.44	5.21	4
575-648261	802-10-064-61-001	S	Straight Header	Press-Fit	2x32	8.73	7.80	6.31	5
575-648262	802-10-064-62-001	T	Straight Header	Press-Fit	2x32	8.87	7.92	6.41	5
575-640061	803-93-100-61-001	U	Straight Socket	Press-Fit	2x50	16.76	14.97	12.11	10
575-640062	803-93-100-62-001	V	Straight Socket	Press-Fit	2x50	16.82	15.02	12.16	10
575-641001	802-10-064-10-001	W	Straight Header	Solder	2x32	6.85	5.79	4.74	3
575-642201	802-10-064-20-001	X	Rt. Angle Header	Solder	2x32	7.20	6.25	5.05	4
575-072101	803-93-072-10-001	Y	Straight Socket	Solder	2x36	7.69	6.87	5.56	4
575-100201	803-93-100-20-001	Z	Rt. Angle Socket	Solder	2x50	13.83	12.35	10.00	8

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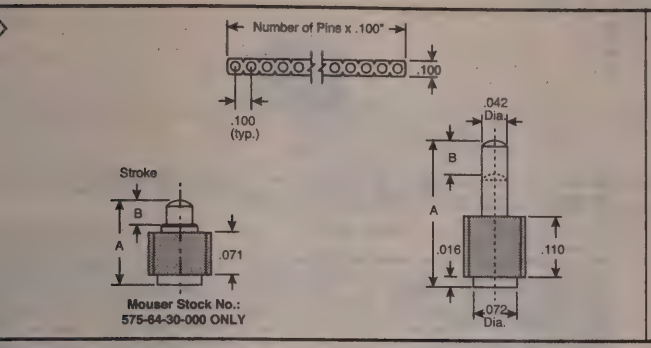
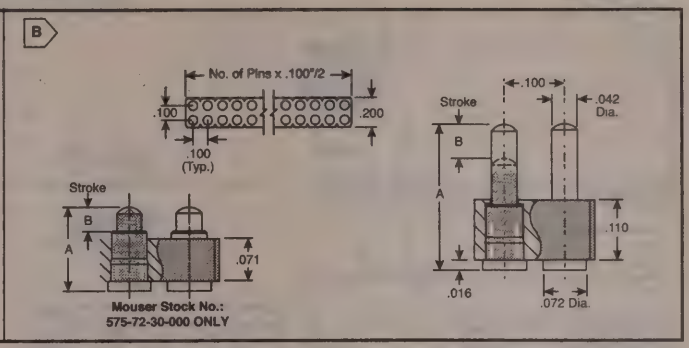




0" SPRING LOADED SURFACE MOUNT CONNECTORS

DIMENSIONS IN.

ures:

- ular contacts for use on .100" grid, available in lengths from .137" to .295",
- lable in single and double row contact strips
- cision machined piston/base and gold plated components assure a 100,000 min. cycle life
- ons have a long stroke relative to the low profile of the assembly
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- High temperature thermoplastic insulators are suitable for surface mount processes
- A typical application would be as the base unit (battery/charger) interface for portable equipment such as mobile phones/radios

rials:

tact Piston & Base: Machined copper alloy plated 20µ" gold
ng: Beryllium copper plated 10µ" gold
lator: High temp. thermoplastic rated UL94 V-0

Mechanical Specifications:

- Spring Force @ initial height (A) 25 grams
- Spring Force @ mid stroke (B/2) 60 grams
- Spring Force @ full stroke (B) 95 grams

Electrical Specifications:

- Voltage Rating: 100Vrms/150Vdc
- Current Rating: 2A (continuous), 3A (peak) per contact
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 10,000MΩ max.
- Dielectric Strength: 700Vrms min.
- Capacitance: 1pF max.

gle Row - Series 811

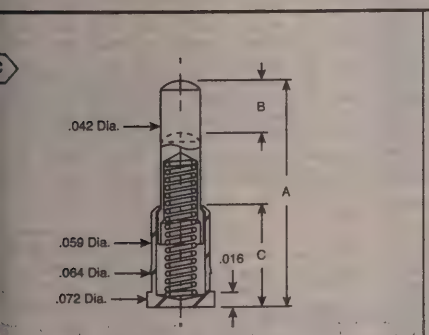
For quantities of 1,000 and up, call for quote.

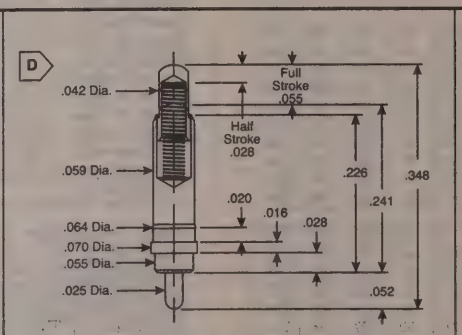
OUSER OCK NO.	Mill-Max Part No.	Fig.	Contact	Initial Height Dim. A (In.)	Stroke Dim. B (In.)	Price Each 1	10	100	500
64-30-000	811-22-064-30-000101	A	64	0.137	0.039	17.60	16.76	15.92	15.08
64-30-001	811-22-064-30-001101	A	64	0.177	0.055	17.60	16.76	15.92	15.08
64-30-002	811-22-064-30-002101	A	64	0.197	0.055	17.60	16.76	15.92	15.08
64-30-003	811-22-064-30-003101	A	64	0.217	0.055	17.60	16.76	15.92	15.08
64-30-004	811-22-064-30-004101	A	64	0.236	0.055	17.60	16.76	15.92	15.08
64-30-005	811-22-064-30-005101	A	64	0.256	0.055	17.60	16.76	15.92	15.08
64-30-006	811-22-064-30-006101	A	64	0.276	0.055	17.60	16.76	15.92	15.08
64-30-007	811-22-064-30-007101	A	64	0.295	0.055	17.60	16.76	15.92	15.08

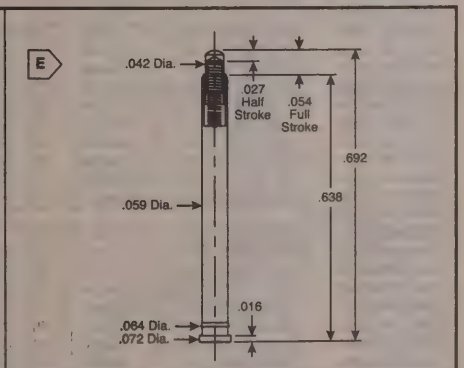
Double Row - Series 813

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Contact	Initial Height Dim. A (In.)	Stroke Dim. B (In.)	Price Each 1	10	100	500
575-72-30-000	813-22-072-30-000101	B	72	0.137	0.039	19.80	18.86	17.91	16.97
575-72-30-001	813-22-072-30-001101	B	72	0.177	0.055	19.80	18.86	17.91	16.97
575-72-30-002	813-22-072-30-002101	B	72	0.197	0.055	19.80	18.86	17.91	16.97
575-72-30-003	813-22-072-30-003101	B	72	0.217	0.055	19.80	18.86	17.91	16.97
575-72-30-004	813-22-072-30-004101	B	72	0.236	0.055	19.80	18.86	17.91	16.97
575-72-30-005	813-22-072-30-005101	B	72	0.256	0.055	19.80	18.86	17.91	16.97
575-72-30-006	813-22-072-30-006101	B	72	0.276	0.055	19.80	18.86	17.91	16.97
575-72-30-007	813-22-072-30-007101	B	72	0.295	0.055	19.80	18.86	17.91	16.97







ODULAR SPRING LOADED CONTACTS

DIMENSIONS IN.

cifications:

on & Base Material: Brass alloy 360, 1/2 Hard
on & Base Finish: 20µ" gold over 100µ" nickel

- Spring Material: Music Wire
- Spring Finish: 5µ" gold over 50µ" nickel

For quantities of 1,000 and up, call for quote.

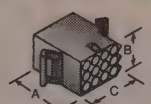
OUSER OCK NO.	Mill-Max Part No.	Fig.	Initial Height Dim. A (In.)	Stroke Dim. B (In.)	Dim. C (In.)	Price Each 1	10	100	500
900011	0900-0-00-00-00-00-11-0	C	0.137	0.039	0.098	.26	.24	.22	.20
090011	0900-1-00-00-00-00-11-0	C	0.177	0.055	0.106	.26	.24	.22	.20
900211	0900-2-00-00-00-00-11-0	C	0.197	0.055	0.106	.26	.24	.22	.20
900311	0900-3-00-00-00-00-11-0	C	0.217	0.055	0.106	.26	.24	.22	.20
900411	0900-4-00-00-00-00-11-0	C	0.236	0.055	0.106	.26	.24	.22	.20

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Initial Height Dim. A (In.)	Stroke Dim. B (In.)	Dim. C (In.)	Price Each 1	10	100	500
575-900511	0900-5-00-00-00-00-11-0	C	0.256	0.055	0.106	.26	.24	.22	.20
575-0900611	0900-6-00-00-00-00-11-0	C	0.276	0.055	0.106	.26	.24	.22	.20
575-900711	0900-7-00-00-00-00-11-0	C	0.295	0.055	0.106	.26	.24	.22	.20
575-901011	0901-0-00-00-00-00-11-0	D	0.348	0.055	0.226	.26	.24	.22	.20
575-905011	0905-0-00-00-00-00-11-0	E	0.692	0.054	0.638	.34	.32	.30	.28

MOLEX Pin and Socket Connectors and Tools
(.062" and .093")

A



Receptacle

B

Plug

STANDARD .062" RECEPTACLES

- UL94V-2, Nylon
- Friction lock
- Polarized housing assures proper mating
- Male and female terminals may be used in receptacle housings
- Detent Lock

LR19980 E29179

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Circuit Pattern	Dimensions (In.) A	B	C	Price Each 1	10	100
Panel Mount Receptacles										
538-03-06-1022	03-06-1022	A	2	In-line	.81	.19	.34	.14	.13	.12
538-03-06-1038	03-06-1038	A	3	In-line	.78	.19	.48	.18	.16	.15
538-03-06-1041	03-06-1041	A	4	In-line	.78	.19	.63	.25	.23	.21
538-03-06-1043	03-06-1043	A	4	Matrix	.77	.34	.34	.27	.25	.23
538-03-06-1055	03-06-1055	A	5	In-line	.78	.19	.78	.27	.25	.23
538-03-06-1061	03-06-1061	A	6	Matrix	.78	.49	.34	.38	.29	.25
538-03-06-1091	03-06-1091	A	9	Matrix	.78	.49	.49	.28	.26	.24
538-03-06-1121	03-06-1121	A	12	Matrix	.78	.49	.63	.55	.36	.33
538-03-06-6155	03-06-6155	A	15	Matrix	.78	.49	.77	.53	.49	.45
538-03-06-1241	03-06-1241	A	24	Matrix	.75	.63	.92	.98	.85	.80
Free-Hanging Receptacles										
538-03-06-1011	03-06-1011	A	1	In-line	.78	- - -	.19	.11	.10	.09
538-03-06-1023	03-06-1023	A	2	In-line	.81	.19	.34	.19	.17	.16
538-03-06-1032	03-06-1032	A	3	In-line	.78	.19	.48	.23	.22	.20
538-03-06-1042	03-06-1042	A	4	In-line	.78	.19	.63	.35	.33	.27
538-03-06-1044	03-06-1044	A	4	Matrix	.77	.34	.34	.38	.34	.30
538-03-06-1056	03-06-1056	A	5	In-line	.78	.19	.78	.46	.38	.34
538-03-06-1062	03-06-1062	A	6	Matrix	.78	.49	.34	.38	.35	.29
538-03-06-1092	03-06-1092	A	9	Matrix	.78	.49	.49	.28	.26	.24
538-03-06-1122	03-06-1122	A	12	Matrix	.78	.49	.63	.29	.27	.24
538-03-06-1152	03-06-1152	A	15	Matrix	.78	.49	.77	.51	.47	.43

STANDARD .062" PLUGS

- UL94V-2, Nylon
- Friction lock
- Polarized housing assures proper mating
- Male and female terminals may be used in plug housings
- Detent Locking Window

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Circuit Pattern	Dimensions (In.) A	B	C	Price Each 1	10	100
Panel Mount Plugs										
538-03-06-2024	03-06-2024	B	2	In-line	.78	.30	.44	.20	.19	.16
538-03-06-2033	03-06-2033	B	3	In-line	.75	.30	.59	.18	.16	.15
538-03-06-2041	03-06-2041	B	4	In-line	.75	.29	.73	.25	.23	.21
538-03-06-2043	03-06-2043	B	4	Matrix	.77	.44	.44	.27	.25	.23
538-03-06-2054	03-06-2054	B	5	In-line	.75	.31	.89	.27	.25	.23
538-03-06-2062	03-06-2062	B	6	Matrix	.75	.60	.45	.27	.25	.23
538-03-06-2091	03-06-2091	B	9	Matrix	.75	.59	.59	.28	.26	.24
538-03-06-2121	03-06-2121	B	12	Matrix	.75	.59	.74	.29	.27	.24
538-03-06-2151	03-06-2151	B	15	Matrix	.75	.59	.87	.36	.34	.31
538-03-06-2241	03-06-2241	B	24	Matrix	.75	.74	1.02	.90	.75	.60
Free-Hanging Plugs										
538-03-06-2011	03-06-2011	B	1	In-line	.75	- -	.30	.11	.09	.08
538-03-06-2023	03-06-2023	B	2	In-line	.78	.30	.44	.20	.18	.17
538-03-06-2032	03-06-2032	B	3	In-line	.75	.30	.59	.25	.21	.17
538-03-06-2042	03-06-2042	B	4	In-line	.75	.29	.73	.25	.23	.21
538-03-06-2044	03-06-2044	B	4	Matrix	.77	.44	.44	.25	.23	.21
538-03-06-2055	03-06-2055	B	5	In-line	.75	.31	.89	.27	.25	.23
538-03-06-2061	03-06-2061	B	6	Matrix	.75	.60	.45	.38	.35	.32
538-03-06-2092	03-06-2092	B	9	Matrix	.75	.59	.59	.39	.36	.26
538-03-06-2122	03-06-2122	B	12	Matrix	.75	.59	.74	.40	.32	.27
538-03-06-2152	03-06-2152	B	15	Matrix	.75	.59	.87	.51	.42	.38
538-03-06-2242	03-06-2242	B	24	Matrix	.75	.74	1.02	1.30	1.20	1.10

.062" CONTACTS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Type	Finish and Materials	Wire Size (AWG)	Price Each 1	100	500
For use with Miniature .062" Terminal Housings							
538-02-06-1103	02-06-1103	Female	Tin over brass	18-24	.19	.06	.05
538-02-06-1105	02-06-1105	Female	Tin over phosphor bronze	18-24	.11	.07	.06
538-02-06-2103	02-06-2103	Male	Tin over brass	18-24	.19	.10	.09
538-02-06-6103	02-06-6103	Male	Gold over brass	18-24	.62	.42	.35
538-02-06-1132	02-06-1132	Female	Tin over brass	24-30	.19	.06	.05
538-02-06-2132	02-06-2132	Male	Tin over brass	24-30	.19	.06	.05
538-02-06-5135	02-06-5135	Female	Gold over brass	24-30	.62	.42	.35
538-02-06-7103	02-06-7103	PC Tail-female	Tin over brass	- - -	.21	.12	.09
538-02-06-8103	02-06-8103	PC Tail-male	Tin over Brass	- - -	.21	.12	.09

STANDARD .093" RECEPTACLES

- UL94V-2, Nylon
- Passive (friction) lock
- Male and female terminals may be used in receptacle housings
- Detent Lock

For quantities of 500 and up, call fo

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Circuit Pattern	Dimensions (In.) A	B	C	Price Ea 1	10
Panel Mount Receptacles									
538-03-09-1027 *	03-09-1027	A	2	In-line	1.03	.25	.54	.23	.19
538-03-09-1081	03-09-1081	A	3	In-line	1.01	.24	.67	.29	.25
538-03-09-1040	03-09-1040	A	4	Matrix	1.03	.43	.43	.45	.27
538-03-09-1041	03-09-1041	A	4	In-line	1.03	.24	.87	.28	.25
538-03-09-1061	03-09-1051	A	6	Matrix	1.02	.63	.43	.52	.29
538-03-09-1091	03-09-1091	A	9	Matrix	1.03	.63	.67	.53	.36
538-03-09-1125	03-09-1125	A	12	Matrix	1.02	.63	.87	.59	.50
538-03-09-1151	03-09-1151	A	15	Matrix	1.02	.63	1.07	.62	.56
Free-Hanging Receptacles									
538-03-09-1011	03-09-1011	A	1	In-line	1.03	.23	- - -	.22	.10
538-03-09-1022	03-09-1022	A	2	In-line	1.02	.25	.54	.23	.19
538-03-09-1028 *†	03-09-1028	A	2	In-line	1.06	.27	.53	.26	.24
538-03-09-1032	03-09-1032	A	3	In-line	1.01	.24	.67	.32	.26
538-03-09-1042	03-09-1042	A	4	In-line	1.06	.27	1.03	.28	.25
538-03-09-1049	03-09-1049	A	4	Matrix	1.03	.43	.43	.42	.34
538-03-09-1054	03-09-1054	A	5	In-line	1.00	.24	1.07	.50	.40
538-03-09-1057 †	03-09-1057	A	5	In-line	1.00	.24	1.07	.52	.44

*.248" grid spacing † Has positive lock rather than detent lock

STANDARD .093" PLUGS

- UL94V-2, Nylon
- Passive (friction) lock
- Detent Locking Window

For quantities of 500 and up, call for

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Circuit Pattern	Dimensions (In.) A	B	C	Price Ea 1	10
Panel Mount Plugs									
538-03-09-2021 *	03-09-2021	B	2	In-line	1.00	.35	.64	.26	.20
538-03-09-2031	03-09-2031	B	3	In-line	1.00	.34	.77	.36	.24
538-03-09-2041	03-09-2041	B	4	In-line	1.00	.34	.97	.37	.24
538-03-09-2040	03-09-2040	B	4	Matrix	1.02	.54	.54	.44	.39
538-03-09-2061	03-09-2061	B	6	Matrix	1.00	.73	.54	.54	.50
538-03-09-2091	03-09-2091	B	9	Matrix	1.00	.73	.77	.53	.38
538-03-09-2122	03-09-2122	B	12	Matrix	.98	.74	.98	.45	.41
Free-Hanging Plugs									
538-03-09-2011	03-09-2011	B	1	In-line	1.00	.36	- - -	.12	.10
538-03-09-2022	03-09-2022	B	2	In-line	1.00	.35	.64	.24	.21
538-03-09-2028 *†	03-09-2028	B	2	In-line	1.03	.36	.66	.28	.24
538-03-09-2032	03-09-2032	B	3	In-line	1.00	.34	.77	.31	.28
538-03-09-2042	03-09-2042	B	4	In-line	1.00	.34	.97	.29	.24
538-03-09-2048 *†	03-09-2048	B	4	In-line	1.03	.36	1.16	.69	.52
538-03-09-2049	03-09-2049	B	4	Matrix	1.02	.54	.54	.48	.43
538-03-09-2057	03-09-2057	B	5	In-line	1.00	.34	1.18	.53	.32
538-03-09-2062	03-09-2062	B	6	In-line	1.00	.73	.54	.40	.29
538-03-09-2092 †	03-09-2092	B	9	In-line	1.00	.73	.77	.51	.37

*.248" grid spacing
† Has positive lock rather than detent lock

.093" CONTACTS

For quantities o and up, call for

MOUSER STOCK NO.	Molex Part No.	Type	Wire Size (AWG)	Price Each 1	100	5
For use with Standard .093" Terminal Housings						
538-02-09-1104	02-09-1104	Female	14-20	.19	.10	.0
538-02-09-2103	02-09-2103	Male	14-20	.19	.10	.0
538-02-09-1119	02-09-1119	Female	18-22	.23	.08	.0
538-02-09-2118	02-09-2118	Male	18-22	.21	.10	.0
538-02-09-1144	02-09-1144	Female	24-30	.21	.07	.0
538-02-09-2143	02-09-2143	Male	24-30	.21	.10	.0
538-02-09-1134	02-09-1134	PC Tail- Female	- - -	.24	.15	.1
538-02-09-2134	02-09-2134	PC Tail- Male	- - -	.24	.15	.1

DESIGNER/SERVICE KITS

Includes: connectors, crimp tool, and extraction tool

For quantities greater than listed, call for

MOUSER STOCK NO.	Description	Price Each
538-WM-50	.093", 45 connectors	45.38
538-WM-72	.062", 56 connectors	48.18

TOOLS

For quantities greater than listed, call for

MOUSER STOCK NO.	Description	Price Each
538-11-03-0006	Extraction: .093" contacts	18.17
538-11-03-0002	Extraction: .062" contacts	18.17
538-63811-1000	Universal Hand Crimper, 14-24 AWG	38.36
538-11-01-0185	Hand Crimper: .062" contacts, 22-30 AWG	180.00
538-11-02-0001	Insertion Tool .062" contacts	15.31
538-11-02-0003	Insertion Tool .093" contacts	15.31

MOLEX Pin and Socket Connectors and Tools
(.084"- MLX Series)

UGS

es 42021

ures:

rmateable, interchangeable, and intermountable
industry-standard versions
tive Locks
isolated contacts
ult ID grooves to reduce assembly errors
stress positioning tabs to reduce breakage

- Mates with: Series 42022 Receptacles and Series 42002 Headers
- Material, plug housing: Nylon, UL94V-2, White
- Operating Temperature: -55° to +105° C
- Voltage: 600V ✻
- UL File No: E29179
- CSA File No: LR19980

LR19980 E29179

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	No. of Circuits	Amps/ Circuit (Max.)✻	Dimensions A	Dimensions B	Price Each 1	10	50	100
-50-84-1020	50-84-1020	A	2	13.5	0.580	0.300	.24	.18	.15	.12
-50-84-1030	50-84-1030	A	3	13.5	0.580	0.300	.26	.20	.17	.14
-50-84-1040	50-84-1040	A	4	13.5	0.580	0.300	.32	.24	.20	.16
-50-84-1060	50-84-1060	A	6	11	1.080	0.800	.34	.26	.22	.18
-50-84-1090	50-84-1090	A	9	11	1.080	0.800	.36	.28	.24	.20
-50-84-1120	50-84-1120	A	12	11	1.080	0.800	.44	.33	.28	.22
-50-84-1150	50-84-1150	A	15	11	1.080	0.800	.48	.36	.32	.26

ings are per circuit, based on fully loaded housings

CEPTACLES

es 42022

ures:

rmateable, interchangeable and intermountable
industry-standard versions
itive locks
isolated contacts
ult ID grooves to reduce assemble errors
stress positioning tabs to reduce breakage

- Mates with: Series 42021
- Material, receptacle housing: Nylon, UL94V-2, White
- Operating Temperature: -55° to +105° C
- Voltage: 600V✻
- UL File No: E29179
- CSA File No: LR19980

LR19980 E29179

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	No. of Circuits	Amps/ Circuit (Max.)✻	Dimensions A	B	C ✻✻	D	E	F	G	Price Each 1	10	50	100
-50-84-2020	50-84-2020	B	2	13.5	.62	.300	.340	.095	.250	.53	.565	.22	.17	.14	.11
-50-84-2030	50-84-2030	B	3	13.5	.62	.300	.340	.095	.250	.53	.815	.30	.22	.18	.15
-50-84-2040	50-84-2040	B	4	13.5	.62	.300	.340	.095	.250	.53	1.065	.35	.27	.22	.18
-50-84-2060	50-84-2060	B	6	11	1.12	.800	.340	.275	.250	1.03	.565	.43	.33	.27	.22
-50-84-2090	50-84-2090	B	9	11	1.12	.800	.480	.275	.250	1.03	.815	.48	.38	.33	.27
-50-84-2120	50-84-2120	B	12	11	1.12	.800	.480	.275	.350	1.03	1.065	.53	.43	.38	.30
-50-84-2150	50-84-2150	B	15	11	1.12	.800	.480	.275	.350	1.03	1.315	.86	.77	.73	.69

tings are per circuit, based on fully loaded housings ✻✻ Cap housing should be installed into panel in the same direction as the panel cutout is punched

RTICAL HEADERS

ures:

erial: Header Housing: UL94V-2, White
Header Contact: Phosphor Bronze
Plating: Tin
erating Temperature: -55° to +105° C

- Voltage: 600V ✻
- Amperes ✻ 2, 3, 4 circuits all 13.5
- Amperes ✻ 6, 9, 12, 15 circuits all 11.0

For quantities of 200 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	No. of Circuits	Description	Dimensions A	B	Price Each 1	10	50	100
-10-84-4020	10-84-4020	C	2	Male	0.300	0.550	.56	.42	.35	.28
-10-84-4022	10-84-4022	C	2	Female	0.300	0.550	.31	.24	.20	.16
-10-84-4030	10-84-4030	C	3	Male	0.300	0.800	.64	.48	.40	.32
-10-84-4032	10-84-4032	C	3	Female	0.300	0.800	.41	.31	.26	.21
-10-84-4040	10-84-4040	C	4	Male	0.300	1.050	.77	.57	.48	.35
-10-84-4042	10-84-4042	C	4	Female	0.300	1.050	.52	.40	.33	.27
-10-84-4060	10-84-4060	C	6	Male	0.800	0.550	.80	.77	.64	.51
-10-84-4062	10-84-4062	C	6	Female	0.800	0.550	.79	.60	.50	.40
-10-84-4090	10-84-4090	C	9	Male	0.800	0.800	.82	.61	.55	.50
-10-84-4092	10-84-4092	C	9	Female	0.800	0.800	.71	.65	.60	.55
-10-84-4120	10-84-4120	C	12	Male	0.800	1.050	.91	.66	.60	.54
-10-84-4122	10-84-4122	C	12	Female	0.800	1.050	.84	.67	.57	.54
-10-84-4150	10-84-4150	C	15	Male	0.800	1.300	1.32	.96	.87	.79
-10-84-4152	10-84-4152	C	15	Female	0.800	1.300	1.26	.92	.84	.75

ttings are per circuit, based on fully loaded housings

NTACTS

ures:

ting: Tin • Insulation Diameter: 1.52 (.060) min. and 3.30 (.130) max.

For quantities of 2000 and up, call for quote.

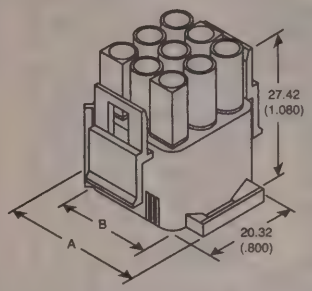
MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Description	Type	Price Each 1	100	500	1000
-02-08-1002	02-08-1002	D	14-20	Female	Standard Brass .012"	.10	.09	.08	.07
-02-08-1004	02-08-1004	D	14-20	Female	Phosphor Bronze .012"	.11	.10	.09	.08
-02-08-2004	02-08-2004	E	14-20	Male	Standard Brass .012"	.10	.09	.08	.07
-02-08-2006	02-08-2006	E	14-20	Male	Phosphor Bronze .012"	.11	.10	.09	.08

OLS

MOUSER STOCK NO.	Molex Part No.	Wire Size (AWG)	Description	Price Each
-11-01-0168	11-01-0168	14-20	Extraction Tool	59.35
-63811-3500	63811-3500	14-20	Hand Tool	279.00

DIMENSIONS mm and (IN)

A



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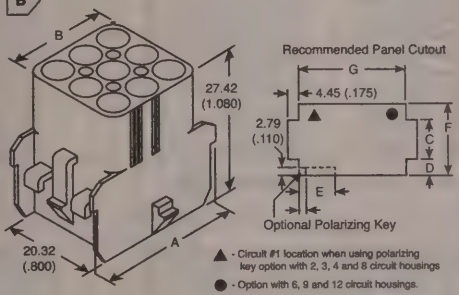

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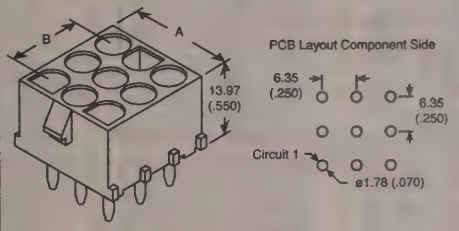

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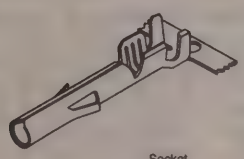
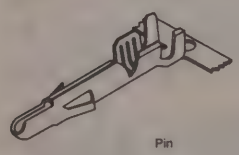


Socket

E



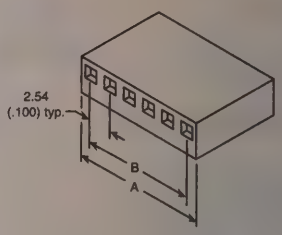
Pin

.100" CRIMP TERMINAL HOUSINGS

• Housing: White Nylon, UL94V-0 • Voltage: 250V

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions (mm)		Price Each			
				A	B	1	10	100	500
With Locking Ramp and Polarizing Ribs									
538-22-01-3027	22-01-3027	A	2	5.6	2.54	.22	.19	.12	.10
538-22-01-3037	22-01-3037	A	3	8.1	5.08	.27	.23	.15	.14
538-22-01-3047	22-01-3047	A	4	10.7	7.62	.33	.29	.19	.15
538-22-01-3057	22-01-3057	A	5	13.2	10.16	.39	.34	.23	.18
538-22-01-3067	22-01-3067	A	6	15.8	12.7	.45	.39	.26	.21
538-22-01-3077	22-01-3077	A	7	18.3	15.24	.51	.45	.30	.24
538-22-01-3087	22-01-3087	A	8	20.9	17.78	.58	.51	.34	.27
538-22-01-3097	22-01-3097	A	9	23.4	20.32	.63	.55	.37	.29
538-22-01-3107	22-01-3107	A	10	25.9	22.86	.70	.60	.40	.32
538-22-01-3117	22-01-3117	A	11	28.5	25.4	.75	.66	.44	.35
538-22-01-3127	22-01-3127	A	12	31	27.94	.81	.71	.47	.37
With Locking Ramp									
538-22-01-2027	22-01-2027	A	2	5.6	2.54	.20	.17	.11	.09
538-22-01-2037	22-01-2037	A	3	8.1	5.08	.25	.22	.14	.11
538-22-01-2047	22-01-2047	A	4	10.7	7.62	.30	.26	.17	.14
538-22-01-2057	22-01-2057	A	5	13.2	10.16	.36	.31	.20	.16
538-22-01-2067	22-01-2067	A	6	15.8	12.7	.40	.35	.23	.19
538-22-01-2077	22-01-2077	A	7	18.3	15.24	.46	.40	.27	.21
538-22-01-2087	22-01-2087	A	8	20.9	17.78	.51	.45	.30	.24
538-22-01-2097	22-01-2097	A	9	23.4	20.32	.56	.49	.33	.26
538-22-01-2107	22-01-2107	A	10	25.9	22.86	.62	.54	.36	.29
538-22-01-2117	22-01-2117	A	11	28.5	25.4	.67	.59	.39	.31
538-22-01-2127	22-01-2127	A	12	31	27.94	.72	.63	.42	.34

A



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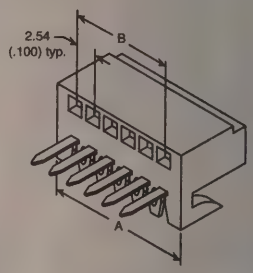
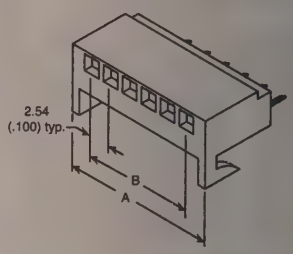


.100" PCB RECEPTACLES

• Tin plated • End-to-End stackable • Voltage: 250V
• UL94V-0 • Contact: Brass • Temperature: 0 to +75°C

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions (mm)		Price Each			
				A	B	1	10	100	500
Bottom Entry									
538-22-14-2024	22-14-2024	B	2	4.98	2.54	.34	.30	.20	.16
538-22-14-2034	22-14-2034	B	3	7.52	5.08	.47	.41	.27	.21
538-22-14-2044	22-14-2044	B	4	10.06	7.62	.59	.52	.34	.27
538-22-14-2054	22-14-2054	B	5	12.6	10.16	.72	.63	.42	.40
538-22-14-2064	22-14-2064	B	6	15.14	12.7	.84	.74	.49	.39
538-22-14-2074	22-14-2074	B	7	17.68	15.24	.96	.85	.56	.45
538-22-14-2084	22-14-2084	B	8	20.22	17.78	1.02	.90	.60	.48
538-22-14-2094	22-14-2094	B	9	22.76	20.32	1.44	1.20	.96	.86
538-22-14-2104	22-14-2104	B	10	25.3	22.86	1.59	1.35	1.11	1.01
538-22-14-2114	22-14-2114	B	11	27.84	25.4	1.68	1.47	1.18	1.08
538-22-14-2124	22-14-2124	B	12	30.38	27.94	1.76	1.54	1.25	1.14
Top Entry, with Hooks									
538-22-02-2025	22-02-2025	C	2	4.98	2.54	.24	.21	.19	.17
538-22-02-2035	22-02-2035	C	3	7.52	5.08	.36	.32	.21	.17
538-22-02-2045	22-02-2045	C	4	10.06	7.62	.49	.43	.28	.22
538-22-02-2055	22-02-2055	C	5	12.6	10.16	.61	.53	.35	.28
538-22-02-2065	22-02-2065	C	6	15.14	12.7	.73	.60	.43	.34
538-22-02-2075	22-02-2075	C	7	17.68	15.24	.85	.75	.50	.40
538-22-02-2085	22-02-2085	C	8	20.22	17.78	.96	.84	.56	.45
538-22-02-2095	22-02-2095	C	9	22.76	20.32	1.09	.90	.64	.51
538-22-02-2105	22-02-2105	C	10	25.3	22.86	1.22	1.07	.71	.57
538-22-02-2115	22-02-2115	C	11	27.84	25.4	1.32	1.08	.77	.62
538-22-02-2125	22-02-2125	C	12	30.38	27.94	1.45	1.19	.85	.68

C



D

.100" CRIMP TERMINALS

• Wire gauge: 22-30 AWG

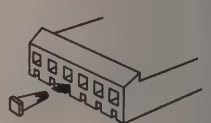
MOUSER STOCK NO.	Molex Part No.	Fig.	Contact	Plating	Price Each		
					1	10	100
538-08-50-0114	08-50-0114	D	Brass	Tin	.07	.05	.04
538-08-56-0110	08-56-0110	D	Brass	Gold	.45	.40	.34
538-08-55-0102	08-55-0102	D	Brass	Sel.Gold	.24	.19	.15
538-08-52-0123	08-52-0123	D	Phos. Bronze	Tin	.09	.08	.07
538-08-65-0814	08-65-0814	D	Phos. Bronze	Gold	.46	.39	.31
538-08-65-0816	08-65-0816	D	Phos. Bronze	Sel.Gold	.14	.13	.12

POLARIZING KEYS AND PEGS

• UL94V-2, Nylon • Snap fit into housings

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each		
				1	10	100
538-15-04-9209	15-04-9209	E	Key	.16	.10	.08
538-15-04-9210	15-04-9210	F	Peg	.16	.12	.11

E



Key

DESIGNER/SERVICE KIT

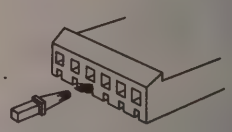
• Includes: connectors, crimp tool, extraction tool, and storage case

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each
538-KK-100	KK-100	- - -	.100", 82 connectors	45.16

TOOLS

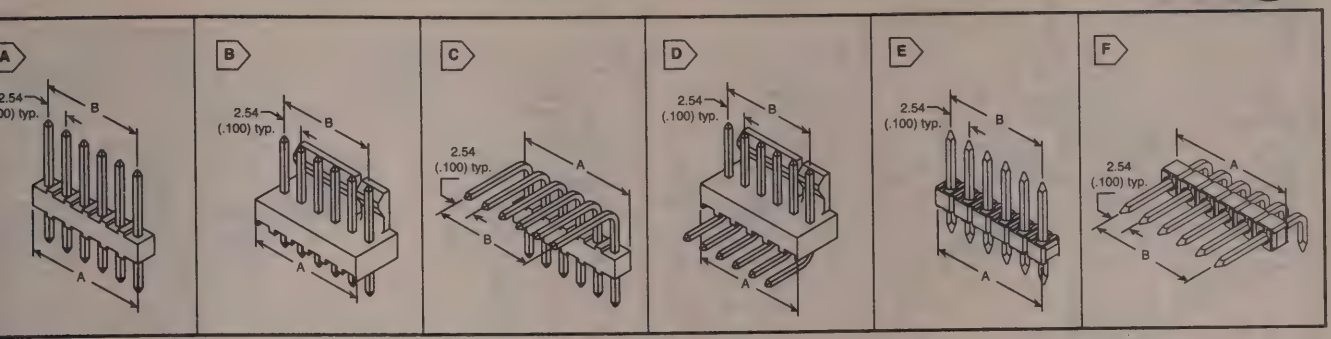
MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each
538-11-03-0022	11-03-0022	- - -	Extraction tool	9.08
538-11-01-0185	11-01-0185	- - -	Hand Crimp Tool	180.00
538-63812-0000	63812-0000	- - -	Insertion tool	13.40

F



Peg

MOUSER ELECTRONICS a tti company



00" PCB HEADERS

• Contact: Brass, 0.64mm (.025") square pins • UL94V-0, White Nylon • Voltage: 250V • Current: 4.0A

MOUSER TOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm) A	Dimen. (mm) B	Price Each 1	10	100	500
ical, Tin Plating									
-22-03-2021	22-03-2021	A	2	4.83	2.54	.12	.11	.10	.09
-22-03-2031	22-03-2031	A	3	7.37	5.08	.18	.17	.15	.11
-22-03-2041	22-03-2041	A	4	9.91	7.62	.24	.22	.20	.15
-22-03-2051	22-03-2051	A	5	12.45	10.16	.30	.27	.25	.23
-22-03-2061	22-03-2061	A	6	14.99	12.7	.36	.33	.29	.21
-22-03-2071	22-03-2071	A	7	17.53	15.24	.70	.54	.35	.28
-22-03-2081	22-03-2081	A	8	20.07	17.78	.42	.39	.35	.25
-22-03-2091	22-03-2091	A	9	22.61	20.32	.79	.61	.40	.32
-22-03-2101	22-03-2101	A	10	25.15	22.86	.48	.44	.39	.28
-22-03-2111	22-03-2111	A	11	27.69	25.4	.88	.68	.44	.35
-22-03-2121	22-03-2121	A	12	30.23	27.94	.58	.53	.47	.34
tical, Gold Plating									
-22-10-2021	22-10-2021	A	2	4.83	2.54	.53	.47	.31	.25
-22-10-2031	22-10-2031	A	3	7.37	5.08	.73	.60	.43	.34
-22-10-2041	22-10-2041	A	4	9.91	7.62	.95	.77	.55	.44
-22-10-2051	22-10-2051	A	5	12.45	10.16	1.16	1.02	.68	.54
-22-10-2061	22-10-2061	A	6	14.99	12.7	1.37	1.20	.80	.64
-22-10-2071	22-10-2071	A	7	17.53	15.24	1.51	1.33	.88	.71
-22-10-2081	22-10-2081	A	8	20.07	17.78	1.72	1.51	1.01	.80
-22-10-2091	22-10-2091	A	9	22.61	20.32	1.92	1.69	1.13	.90
-22-10-2101	22-10-2101	A	10	25.15	22.86	2.12	1.87	1.24	.99
-22-10-2111	22-10-2111	A	11	27.69	25.4	2.34	2.06	1.37	1.09
-22-10-2121	22-10-2121	A	12	30.23	27.94	2.53	2.23	1.48	1.19
tical Friction Lock, Tin Plating									
-22-23-2021	22-23-2021	B	2	5.08	2.54	.29	.25	.17	.13
-22-23-2031	22-23-2031	B	3	7.62	5.08	.37	.32	.21	.17
-22-23-2041	22-23-2041	B	4	10.16	7.62	.44	.38	.25	.20
-22-23-2051	22-23-2051	B	5	12.7	10.16	.51	.44	.29	.23
-22-23-2061	22-23-2061	B	6	15.24	12.7	.57	.50	.33	.26
-22-23-2071	22-23-2071	B	7	17.78	15.24	.65	.57	.38	.30
-22-23-2081	22-23-2081	B	8	20.32	17.78	.74	.65	.43	.34
-22-23-2091	22-23-2091	B	9	22.86	20.32	.82	.72	.48	.38
-22-23-2101	22-23-2101	B	10	25.4	22.86	.82	.72	.48	.38
-22-23-2111	22-23-2111	B	11	27.94	25.4	.90	.79	.53	.42
-22-23-2121	22-23-2121	B	12	30.48	27.94	.97	.85	.57	.45
tical Friction Lock, Gold Plating									
-22-11-2022	22-11-2022	B	2	5.08	2.54	.59	.51	.34	.27
-22-11-2032	22-11-2032	B	3	7.62	5.08	.90	.79	.52	.42
-22-11-2042	22-11-2042	B	4	10.16	7.62	.92	.81	.54	.43
-22-11-2052	22-11-2052	B	5	12.7	10.16	1.27	1.11	.74	.59
-22-11-2062	22-11-2062	B	6	15.24	12.7	1.39	1.22	.81	.65
-22-11-2072	22-11-2072	B	7	17.78	15.24	1.60	1.41	.94	.75
-22-11-2082	22-11-2082	B	8	20.32	17.78	1.67	1.47	.98	.78
-22-11-2092	22-11-2092	B	9	22.86	20.32	1.87	1.65	1.10	.88
-22-11-2102	22-11-2102	B	10	25.4	22.86	2.07	1.82	1.21	.97
-22-11-2112	22-11-2112	B	11	27.94	25.4	2.27	2.00	1.33	1.06
-22-11-2122	22-11-2122	B	12	30.48	27.94	2.46	2.17	1.44	1.15

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm) A	Dimen. (mm) B	Price Each 1	10	100	500
Right Angle, Tin Plating									
538-22-05-2021	22-05-2021	C	2	4.83	2.54	.13	.12	.11	.08
538-22-05-2031	22-05-2031	C	3	7.37	5.08	.20	.18	.16	.12
538-22-05-2041	22-05-2041	C	4	9.91	7.62	.27	.24	.22	.20
538-22-05-2051	22-05-2051	C	5	12.45	10.16	.33	.30	.27	.25
538-22-05-2061	22-05-2061	C	6	14.99	12.7	.40	.37	.33	.24
538-22-05-2071	22-05-2071	C	7	17.53	15.24	.78	.60	.39	.31
538-22-05-2081	22-05-2081	C	8	20.07	17.78	.54	.49	.44	.31
538-22-05-2091	22-05-2091	C	9	22.61	20.32	.70	.67	.63	.56
538-22-05-2101	22-05-2101	C	10	25.15	22.86	.61	.55	.50	.36
538-22-05-2111	22-05-2111	C	11	27.69	25.4	.77	.74	.70	.62
538-22-05-2121	22-05-2121	C	12	30.23	27.94	.73	.66	.60	.43
Right Angle, Gold Plating									
538-22-12-2021	22-12-2021	C	2	4.83	2.54	.45	.35	.25	.23
538-22-12-2031	22-12-2031	C	3	7.37	5.08	.53	.44	.40	.35
538-22-12-2041	22-12-2041	C	4	9.91	7.62	.96	.85	.57	.46
538-22-12-2051	22-12-2051	C	5	12.45	10.16	1.04	.93	0.65	.54
538-22-12-2061	22-12-2061	C	6	14.99	12.7	1.07	.96	.68	.57
538-22-12-2071	22-12-2071	C	7	17.53	15.24	1.10	.99	.72	.61
538-22-12-2081	22-12-2081	C	8	20.07	17.78	1.25	1.14	.86	.75
538-22-12-2091	22-12-2091	C	9	22.61	20.32	1.26	1.15	.87	.76
538-22-12-2101	22-12-2101	C	10	25.15	22.86	1.65	1.32	1.20	1.04
538-22-12-2111	22-12-2111	C	11	27.69	25.4	1.60	1.28	1.16	1.09
538-22-12-2121	22-12-2121	C	12	30.23	27.94	1.61	1.29	1.17	1.10
Right Angle Friction Lock, Tin Plating									
538-22-05-3021	22-05-3021	D	2	5.08	2.54	.47	.41	.27	.22
538-22-05-3031	22-05-3031	D	3	7.62	5.08	.44	.41	.40	.35
538-22-05-3041	22-05-3041	D	4	10.16	7.62	.62	.59	.56	.50
538-22-05-3051	22-05-3051	D	5	12.7	10.16	.64	.61	.58	.52
538-22-05-3061	22-05-3061	D	6	15.24	12.7	.70	.66	.63	.56
538-22-05-3071	22-05-3071	D	7	17.78	15.24	.77	.73	.69	.61
538-22-05-3081	22-05-3081	D	8	20.32	17.78	.85	.81	.76	.68
538-22-05-3091	22-05-3091	D	9	22.86	20.32	.81	.77	.73	.65
538-22-05-3101	22-05-3101	D	10	25.4	22.86	.97	.90	.87	.78
538-22-05-3111	22-05-3111	D	11	27.94	25.4	.90	.84	.80	.72
538-22-05-3121	22-05-3121	D	12	30.48	27.94	1.00	.95	.90	.78
Right Angle Friction Lock, Gold Plating									
538-22-12-2024	22-12-2024	D	2	5.08	2.54	.99	.87	.58	.46
538-22-12-2034	22-12-2034	D	3	7.62	5.08	1.25	1.10	.73	.58
538-22-12-2044	22-12-2044	D	4	10.16	7.62	1.19	1.13	1.05	.90
538-22-12-2054	22-12-2054	D	5	12.7	10.16	1.60	1.41	.94	.75
538-22-12-2064	22-12-2064	D	6	15.24	12.7	1.43	1.36	1.28	1.14
538-22-12-2074	22-12-2074	D	7	17.78	15.24	1.27	1.21	1.14	1.02
538-22-12-2084	22-12-2084	D	8	20.32	17.78	1.63	1.50	1.40	1.30
538-22-12-2094	22-12-2094	D	9	22.86	20.32	1.61	1.50	1.40	1.20
538-22-12-2104	22-12-2104	D	10	25.4	22.86	2.03	1.90	1.80	1.60
538-22-12-2114	22-12-2114	D	11	27.94	25.4	2.67	2.19	1.57	1.50
538-22-12-2124	22-12-2124	D	12	30.48	27.94	2.90	2.39	1.70	1.63

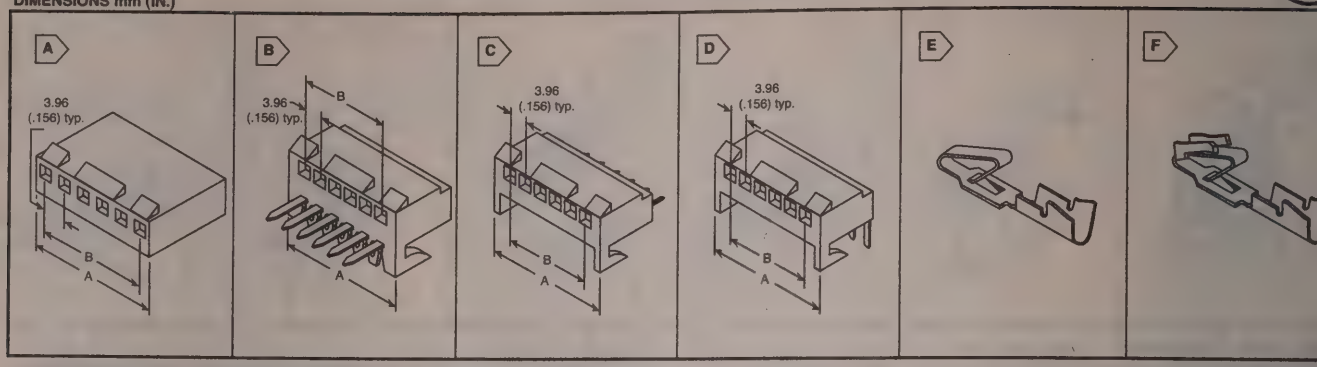
00" BREAKAWAY HEADERS - PCB

NEW PRODUCT

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm) A	Dimen. (mm) B	Price Each 1	10	100	500
rtical, Tin Plating									
8-22-28-4020	22-28-4020	E	2	5.08	2.54	.27	.23	.17	.13
8-22-28-4030	22-28-4030	E	3	7.62	5.08	.23	.22	.18	.14
8-22-28-4040	22-28-4040	E	4	10.16	7.62	.35	.31	.21	.16
8-22-28-4050	22-28-4050	E	5	12.7	10.16	.40	.36	.24	.17
8-22-28-4060	22-28-4060	E	6	15.24	12.7	.40	.36	.24	.17
8-22-28-4070	22-28-4070	E	7	17.78	15.24	.42	.38	.26	.19
8-22-28-4080	22-28-4080	E	8	20.32	17.78	.48	.42	.28	.22
8-22-28-4090	22-28-4090	E	9	22.86	20.32	.55	.47	.31	.24
8-22-28-4100	22-28-4100	E	10	25.4	22.86	.56	.48	.32	.25
8-22-28-4360	22-28-4360	E	36	91.44	88.9	1.14	.99	.74	.61
rtical, Gold Plating									
8-22-28-4023	22-28-4023	E	2	5.08	2.54	.25	.23	.18	.14
8-22-28-4033	22-28-4033	E	3	7.62	5.08	.35	.31	.22	.17
8-22-28-4043	22-28-4043	E	4	10.16	7.62	.36	.32	.23	.18
8-22-28-4053	22-28-4053	E	5	12.7	10.16	.37	.33	.24	.19
8-22-28-4063	22-28-4063	E	6	15.24	12.7	.37	.33	.24	.19

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm) A	Dimen. (mm) B	Price Each 1	10	100	500
Vertical, Gold Plating (Cont.)									
538-22-28-4073	22-28-4073	E	7	17.78	15.24	.37	.33	.24	.19
538-22-28-4083	22-28-4083	E	8	20.32	17.78	.38	.34	.25	.20
538-22-28-4093	22-28-4093	E	9	22.86	20.32	.47	.43	.34	.29
538-22-28-4103	22-28-4103	E	10	25.4	22.86	.47	.43	.34	.29
538-22-28-4363	22-28-4363	E	36	91.44	88.9	1.65	1.29	1.10	.89
Right Angle, Tin Plating									
538-22-28-8020	22-28-8020	F	2	5.08	2.54	.14	.13	.12	.11
538-22-28-8030	22-28-8030	F	3	7.62	5.08	.25	.23	.18	.14
538-22-28-8040	22-28-8040	F	4	10.16	7.62	.25	.23	.18	.14
538-22-28-8050	22-28-8050	F	5	12.7	10.16	.25	.23	.18	.14
538-22-28-8060	22-28-8060	F	6	15.24	12.7	.26	.24	.19	.15
538-22-28-8070	22-28-8070	F	7	17.78	15.24	.36	.32	.23	.18
538-22-28-8080	22-28-8080	F	8	20.32	17.78	.37	.33	.24	.19
538-22-28-8090	22-28-8090	F	9	22.86	20.32	.38	.34	.25	.20
538-22-28-8100	22-28-8100	F	10	25.4	22.86	.49	.45	.36	.31
538-22-28-8360	22-28-8360	F	36	91.44	88.9	1.63	1.27	1.08	.87

DIMENSIONS mm (IN.)



.156" CRIMP TERMINAL HOUSINGS

• Voltage: 250V AC Max. • Temperature: 0 to +75°C

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm) A	Dimen. (mm) B	Price Each 1	10	100	500
With Locking Ramp UL94V-2, Nylon									
538-09-50-3021	09-50-3021	A	2	7.92	3.96	.11	.10	.09	.08
538-09-50-3031	09-50-3031	A	3	11.79	7.92	.13	.12	.11	.10
538-09-50-3041	09-50-3041	A	4	15.75	11.89	.22	.20	.15	.11
538-09-50-3051	09-50-3051	A	5	19.71	15.85	.28	.26	.23	.17
538-09-50-3061	09-50-3061	A	6	23.67	19.81	.34	.31	.27	.19
538-09-50-3071	09-50-3071	A	7	27.64	23.77	.39	.36	.31	.22
538-09-50-3081	09-50-3081	A	8	31.6	27.74	.45	.41	.37	.26
538-09-50-3091	09-50-3091	A	9	35.56	31.7	.64	.56	.37	.30
538-09-50-3101	09-50-3101	A	10	39.52	35.66	.72	.63	.42	.33
538-09-50-3111	09-50-3111	A	11	43.48	39.62	.76	.67	.44	.35
538-09-50-3121	09-50-3121	A	12	47.45	43.59	.84	.74	.49	.39
Without Locking Ramp UL94V-2, Nylon									
538-09-50-7021	09-50-7021	A	2	7.92	3.96	.11	.10	.09	.08
538-09-50-7031	09-50-7031	A	3	11.79	7.92	.22	.20	.18	.13
538-09-50-7041	09-50-7041	A	4	15.75	11.89	.22	.20	.18	.13
538-09-50-7051	09-50-7051	A	5	19.71	15.85	.28	.26	.23	.17
538-09-50-7061	09-50-7061	A	6	23.67	19.81	.34	.31	.28	.20
538-09-50-7071	09-50-7071	A	7	27.64	23.77	.34	.31	.28	.20
538-09-50-7081	09-50-7081	A	8	31.6	27.74	.34	.31	.28	.20
538-09-50-7091	09-50-7091	A	9	35.56	31.7	.55	.50	.45	.32
538-09-50-7101	09-50-7101	A	10	39.52	35.66	.56	.51	.46	.33
538-09-50-7111	09-50-7111	A	11	43.48	39.62	.61	.56	.51	.38
538-09-50-7121	09-50-7121	A	12	47.45	43.59	.63	.58	.53	.40

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm) A	Dimen. (mm) B	Price Each 1	10	100	5
With Locking Ramp and Polarizing Ribs UL94V-0, Polyester									
538-09-50-8023	09-50-8023	A	2	8.79	3.96	.23	.19	.13	
538-09-50-8033	09-50-8033	A	3	12.75	7.92	.31	.27	.18	
538-09-50-8043	09-50-8043	A	4	16.71	11.89	.37	.33	.22	
538-09-50-8053	09-50-8053	A	5	20.67	15.85	.45	.36	.26	
538-09-50-8063	09-50-8063	A	6	24.64	19.81	.51	.45	.30	
538-09-50-8073	09-50-8073	A	7	28.6	23.77	.59	.51	.34	
538-09-50-8083	09-50-8083	A	8	32.56	27.74	.65	.57	.38	
538-09-50-8093	09-50-8093	A	9	36.53	31.7	.72	.63	.42	
538-09-50-8103	09-50-8103	A	10	40.49	35.66	.79	.69	.46	
538-09-50-8113	09-50-8113	A	11	44.45	39.62	.86	.76	.50	
538-09-50-8123	09-50-8123	A	12	48.41	43.59	.93	.82	.54	
With Locking Ramp UL94V-0, Polyester									
538-09-50-8021	09-50-8021	A	2	8.79	3.96	.22	.18	.13	
538-09-50-8031	09-50-8031	A	3	12.75	7.92	.29	.24	.17	
538-09-50-8041	09-50-8041	A	4	16.71	11.89	.36	.31	.20	
538-09-50-8051	09-50-8051	A	5	20.67	15.85	.42	.37	.24	
538-09-50-8061	09-50-8061	A	6	24.64	19.81	.48	.42	.28	
538-09-50-8071	09-50-8071	A	7	28.6	23.77	.56	.49	.32	
538-09-50-8081	09-50-8081	A	8	32.56	27.74	.62	.54	.36	
538-09-50-8091	09-50-8091	A	9	36.53	31.7	.68	.60	.40	
538-09-50-8101	09-50-8101	A	10	40.49	35.66	.75	.65	.43	
538-09-50-8111	09-50-8111	A	11	44.45	39.62	.81	.71	.47	
538-09-50-8121	09-50-8121	A	12	48.41	43.59	.88	.77	.51	

.156" PCB RECEPTACLES

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm) A	Dimen. (mm) B	Price Each 1	10	100	500
Bottom Entry									
538-09-52-3032	09-52-3032	B	3	11.79	7.92	.59	.48	.39	.30
538-09-52-3042	09-52-3042	B	4	15.75	11.89	.69	.60	.40	.32
538-09-52-3052	09-52-3052	B	5	19.71	15.85	.84	.73	.49	.41
538-09-52-3062	09-52-3062	B	6	23.67	19.81	.98	.86	.57	.46
538-09-52-3072	09-52-3072	B	7	27.64	23.77	1.25	1.10	.73	.58
538-09-52-3082	09-52-3082	B	8	31.6	27.74	1.29	1.13	.75	.60
538-09-52-3102	09-52-3102	B	10	39.52	35.66	1.52	1.33	.89	.71
538-09-52-3122	09-52-3122	B	12	47.75	43.59	1.83	1.61	1.07	.86
Top Entry									
538-09-52-3033	09-52-3033	C	3	11.79	7.92	.52	.45	.30	.24
538-09-52-3043	09-52-3043	C	4	15.75	11.89	.60	.52	.35	.28
538-09-52-3053	09-52-3053	C	5	19.71	15.85	.80	.70	.47	.37
538-09-52-3063	09-52-3063	C	6	23.67	19.81	.87	.76	.50	.40
538-09-52-3073	09-52-3073	C	7	27.64	23.77	1.09	.96	.64	.51
538-09-52-3083	09-52-3083	C	8	31.6	27.74	1.15	1.01	.67	.54
538-09-52-3093	09-52-3093	C	9	35.56	31.7	1.19	1.05	.71	.58

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm) A	Dimen. (mm) B	Price Each 1	10	100	5
Top Entry (Cont.)									
538-09-52-3103	09-52-3103	C	10	39.52	35.66	1.44	1.27	.84	
538-09-52-3113	09-52-3113	C	11	43.48	39.62	1.75	1.54	1.03	
538-09-52-3123	09-52-3123	C	12	47.75	43.59	1.75	1.54	1.03	
Side Entry									
538-09-52-3021	09-52-3021	D	2	7.82	3.96	.52	.42	.30	
538-09-52-3031	09-52-3031	D	3	11.79	7.92	.52	.42	.30	
538-09-52-3041	09-52-3041	D	4	15.75	11.89	.65	.55	.43	
538-09-52-3051	09-52-3051	D	5	19.71	15.85	.72	.59	.42	
538-09-52-3061	09-52-3061	D	6	23.67	19.81	.94	.83	.55	
538-09-52-3071	09-52-3071	D	7	27.64	23.77	.95	.84	.56	
538-09-52-3081	09-52-3081	D	8	31.6	27.74	1.18	1.04	.69	
538-09-52-3091	09-52-3091	D	9	35.56	31.7	1.33	1.17	.78	
538-09-52-3101	09-52-3101	D	10	39.52	35.66	1.48	1.30	.87	
538-09-52-3111	09-52-3111	D	11	43.48	39.62	1.75	1.54	1.03	
538-09-52-3121	09-52-3121	D	12	47.75	43.59	1.75	1.54	1.03	

.156" CRIMP TERMINALS

• Temperature: Phosphor Bronze: 0 to +75°C; Brass: 0 to +50°C

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Material	Plating	Price Each 1	10	100
538-08-50-0106	08-50-0106	E	18-20	Brass	Tin	.08	.06	.05
538-08-52-0072	08-52-0072	E	18-20	Ph Bz	Tin	.08	.06	.05
538-08-50-0108	08-50-0108	E	22-26	Brass	Tin	.06	.05	.04
538-08-50-0134	08-50-0134	E	22-26	Ph Bz	Tin	.06	.05	.04
538-08-56-0106	08-56-0106	E	18-20	Brass	Gold	.45	.37	.29
538-08-58-0122	08-58-0122	E	18-20	Ph Bz	Gold	.66	.53	.44
538-08-56-0108	08-56-0108	E	22-26	Brass	Gold	.64	.51	.42
538-08-58-0126	08-58-0126	E	22-26	Ph Bz	Gold	.66	.53	.44
538-08-52-0113	08-52-0113	F	18-20	Ph Bz	Tin	.10	.09	.08
538-08-50-0189	08-50-0189	F	18-20	Brass	Tin	.08	.06	.05
538-08-52-0125	08-52-0125	F	22-26	Ph Bz	Tin	.08	.06	.05
538-08-50-0185	08-50-0185	F	22-26	Brass	Tin	.08	.06	.05
538-08-56-0124	08-56-0124	F	22-26	Ph Bz	Gold	.60	.50	.45

POLARIZING KEYS AND PEGS

• Snap fit into housings

MOUSER STOCK NO.	Molex Part No.	Description	Price Each 1	10	10
538-15-04-0219	15-04-0219	Key	.23	.20	
538-15-04-0220	15-04-0220	Peg	.23	.20	

DESIGNER/SERVICE KITS

• Includes: connectors, crimp tool, extraction tool, and storage case

MOUSER STOCK NO.	Molex Part No.	Description	Price Each
538-KK-156	KK-156	.156", 96 connectors	42.41

TOOLS

MOUSER STOCK NO.	Molex Part No.	Description	Price Each
538-11-03-0016	11-03-0016	Extraction tool	9.08
538-63811-2200	63811-2200	Hand crimp tool	180.00

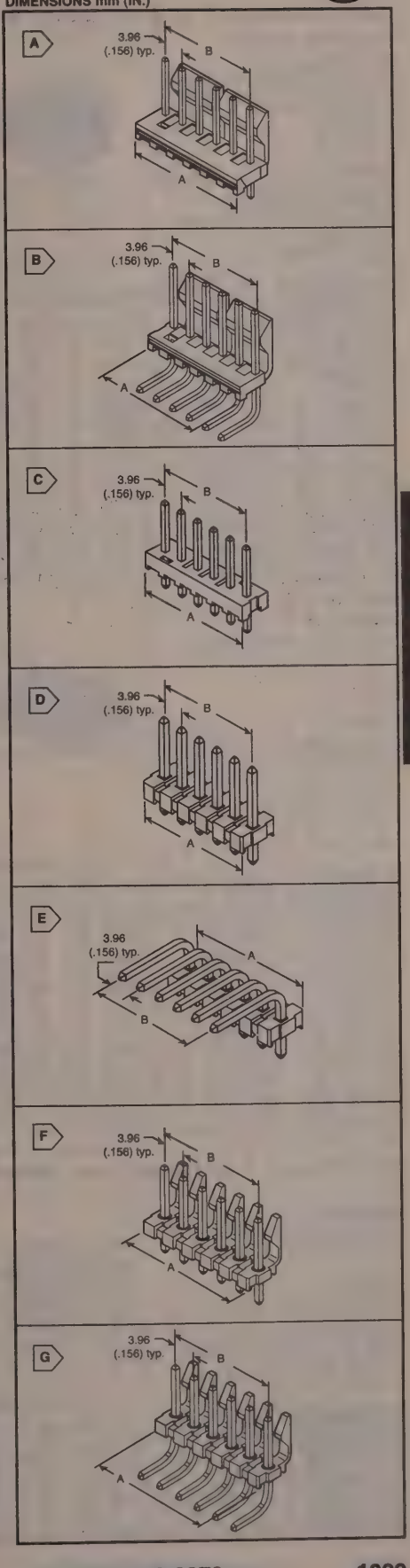
6" PCB HEADERS

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions (mm) A	Dimensions (mm) B	Price Each 1	10	100	500
al Friction Lock, Tin Plating UL94V-0, Polyester									
6-60-4020	26-60-4020	A	2	7.77	3.96	.25	.20	.14	.10
6-60-4030	26-60-4030	A	3	11.73	7.92	.35	.30	.20	.16
6-60-4040	26-60-4040	A	4	15.7	11.89	.44	.38	.25	.20
6-60-4050	26-60-4050	A	5	19.66	15.85	.52	.45	.30	.24
6-60-4060	26-60-4060	A	6	23.62	19.81	.61	.53	.35	.28
6-60-4070	26-60-4070	A	7	27.58	23.77	.69	.60	.40	.32
6-60-4080	26-60-4080	A	8	31.55	27.74	.78	.68	.45	.36
6-60-4090	26-60-4090	A	9	35.51	31.7	.86	.76	.50	.40
6-60-4100	26-60-4100	A	10	39.47	35.66	.95	.83	.55	.44
6-60-4110	26-60-4110	A	11	43.43	39.62	1.03	.91	.60	.48
6-60-4120	26-60-4120	A	12	47.4	43.59	1.12	.98	.65	.52
al Friction Lock, Gold Plating UL94V-0, Polyester									
6-61-4020	26-61-4020	A	2	7.77	3.96	.89	.78	.52	.41
6-61-4030	26-61-4030	A	3	11.73	7.92	1.27	1.12	.74	.59
6-61-4040	26-61-4040	A	4	15.7	11.89	1.50	1.41	.95	.76
6-61-4050	26-61-4050	A	5	19.66	15.85	1.28	.96	.81	.65
6-61-4060	26-61-4060	A	6	23.62	19.81	1.54	1.15	.96	.77
6-61-4070	26-61-4070	A	7	27.58	23.77	1.86	1.39	1.16	.93
6-61-4080	26-61-4080	A	8	31.55	27.74	3.12	2.75	1.83	1.47
6-61-4090	26-61-4090	A	9	35.51	31.7	3.50	3.09	2.06	1.64
6-61-4100	26-61-4100	A	10	39.47	35.66	3.89	3.42	2.28	1.82
6-61-4110	26-61-4110	A	11	43.43	39.62	4.26	3.76	2.50	2.00
6-61-4120	26-61-4120	A	12	47.4	43.59	4.66	4.10	2.73	2.19
Angle Friction Lock, Tin Plating									
6-60-5020	26-60-5020	B	2	7.77	3.96	.28	.24	.16	.13
6-60-5030	26-60-5030	B	3	11.73	7.92	.37	.32	.21	.17
6-60-5040	26-60-5040	B	4	15.7	11.89	.46	.40	.27	.21
6-60-5050	26-60-5050	B	5	19.66	15.85	.55	.48	.32	.25
6-60-5060	26-60-5060	B	6	23.62	19.81	.71	.62	.41	.33
6-60-5070	26-60-5070	B	7	27.58	23.77	.73	.64	.43	.34
6-60-5080	26-60-5080	B	8	31.55	27.74	.82	.72	.62	.52
6-60-5090	26-60-5090	B	9	35.51	31.7	.92	.80	.53	.43
6-60-5100	26-60-5100	B	10	39.47	35.66	1.01	.88	.59	.47
6-60-5110	26-60-5110	B	11	43.43	39.62	1.10	.96	.64	.51
6-60-5120	26-60-5120	B	12	47.4	43.59	1.19	1.05	.69	.55
cal, Without Pegs, Tin Plating									
6-60-2020	26-60-2020	C	2	7.77	3.96	.19	.15	.11	.10
6-60-2030	26-60-2030	C	3	11.73	7.92	.31	.23	.13	.12
6-60-2040	26-60-2040	C	4	15.7	11.89	.37	.28	.16	.14
6-60-2050	26-60-2050	C	5	19.66	15.85	.46	.35	.20	.18
6-60-2100	26-60-2100	C	10	39.47	35.66	.54	.48	.46	.43
6-60-2120	26-60-2120	C	12	47.4	43.59	.54	.48	.46	.43

6" BREAKAWAY HEADERS - PCB • Contact: Brass • Square pins

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions (mm) A	Dimensions (mm) B	Price Each 1	10	100	500
cal, Tin Plating UL94V-0, Polyester									
26-48-1021	26-48-1021	D	2	6.78	3.96	.25	.12	.09	.08
26-48-1031	26-48-1031	D	3	10.74	7.92	.26	.19	.11	.10
26-48-1041	26-48-1041	D	4	14.71	11.89	.29	.25	.15	.12
26-48-1051	26-48-1051	D	5	18.67	15.85	.36	.32	.19	.15
26-48-1061	26-48-1061	D	6	22.63	19.81	.44	.38	.23	.18
26-48-1071	26-48-1071	D	7	26.59	23.77	.51	.45	.27	.21
26-48-1081	26-48-1081	D	8	30.56	27.74	.58	.51	.30	.24
26-48-1091	26-48-1091	D	9	24.52	31.7	.66	.58	.35	.28
26-48-1101	26-48-1101	D	10	38.48	35.66	.74	.65	.39	.31
26-48-1111	26-48-1111	D	11	42.44	39.62	.81	.71	.42	.34
26-48-1121	26-48-1121	D	12	46.41	43.59	.88	.77	.46	.37
26-48-1241	26-48-1241	D	24	93.85	91.14	1.47	1.29	.86	.69
t Angle, Tin Plating									
26-48-1022	26-48-1022	E	2	6.78	3.96	.25	.14	.09	.08
26-48-1032	26-48-1032	E	3	10.74	7.92	.25	.21	.13	.11
26-48-1042	26-48-1042	E	4	14.71	11.89	.33	.29	.17	.14
26-48-1052	26-48-1052	E	5	18.67	15.85	.41	.36	.21	.17
26-48-1062	26-48-1062	E	6	22.63	19.81	.50	.43	.26	.21
26-48-1082	26-48-1082	E	8	30.56	27.74	.66	.58	.35	.28
26-48-1102	26-48-1102	E	10	38.48	35.66	.83	.73	.43	.35
26-48-1122	26-48-1122	E	12	46.41	43.59	1.00	.87	.52	.42
26-48-1242	26-48-1242	E	24	93.85	91.14	1.52	1.34	.89	.71
ical Friction Lock, Tin Plating									
26-48-1025	26-48-1025	F	2	6.78	3.96	.25	.16	.09	.07
26-48-1035	26-48-1035	F	3	10.74	7.92	.28	.24	.14	.11
26-48-1045	26-48-1045	F	4	14.71	11.89	.37	.32	.19	.15
26-48-1055	26-48-1055	F	5	18.67	15.85	.47	.41	.24	.19
26-48-1065	26-48-1065	F	6	22.63	19.81	.56	.49	.29	.23
26-48-1075	26-48-1075	F	7	26.59	23.77	.65	.57	.34	.24
26-48-1085	26-48-1085	F	8	30.56	27.74	.75	.66	.39	.31
26-48-1095	26-48-1095	F	9	24.52	31.7	.84	.74	.44	.35
26-48-1105	26-48-1105	F	10	38.48	35.66	.94	.82	.49	.39
26-48-1115	26-48-1115	F	11	42.44	39.62	.65	.48	.40	.32
26-48-1125	26-48-1125	F	12	46.41	43.59	.70	.53	.44	.35
26-48-1245	26-48-1245	F	24	93.85	91.14	1.12	1.00	.71	.57
ht Angle Friction Lock, Tin Plating									
26-48-1026	26-48-1026	G	2	6.78	3.96	.28	.14	.12	.10
26-48-1036	26-48-1036	G	3	10.74	7.92	.32	.27	.16	.13
26-48-1046	26-48-1046	G	4	14.71	11.89	.43	.37	.22	.18
26-48-1066	26-48-1066	G	6	22.63	19.81	.63	.55	.33	.26
26-48-1076	26-48-1076	G	7	26.59	23.77	.75	.66	.39	.31
26-48-1086	26-48-1086	G	8	30.56	27.74	.85	.75	.45	.36
26-48-1096	26-48-1096	G	9	24.52	31.7	.96	.84	.50	.41
26-48-1106	26-48-1106	G	10	38.48	35.66	.71	.53	.44	.35
26-48-1126	26-48-1126	G	12	46.41	43.59	1.12	.94	.75	.67
26-48-1246	26-48-1246	G	24	93.85	91.14	1.00	.83	.66	.60

DIMENSIONS mm (IN.)



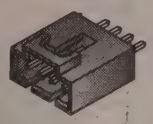
MOLEX 2.54mm (.100") SL™ and C-Grid® Headers

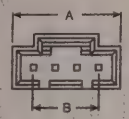
.100" (2.54mm) SL™ PCB HEADERS - SHROUDED

Single Row, Vertical

Specifications:
- Housing: Black glass filled PCT, UL 94V-0
- Contact: Phosphor bronze, .025" square
- Operating Temperature: -40 to +105°C
- Voltage: 250V
- Current: 3.0A
- .120" Pocket

Features:
- Locking crown secures positive latch to header
- Standoffs minimize flux retention
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Mates with series 70066
- Surface mount compatible
- Wire to board





LR19980 E29179

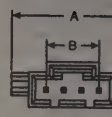
For quantities of 2000 and up, call for quote.

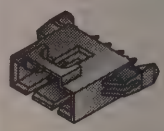
MOUSER STOCK NO.	Molex Part No.	No. of Cir.	Contact Plating	Dim. (In.) A	Dim. (In.) B	Price Each 1	10	100	500	1000
538-70543-0001	70543-0001	2	15µ" Gold	.29	.10	.84	.70	.56	.44	.38
538-70543-0106	70543-0106	2	30µ" Gold	.29	.10	.92	.77	.62	.49	.42
538-70543-0002	70543-0002	3	15µ" Gold	.40	.20	.81	.68	.54	.43	.37
538-70543-0107	70543-0107	3	30µ" Gold	.40	.20	1.22	1.02	.93	.86	.66
538-70543-0003	70543-0003	4	15µ" Gold	.50	.30	1.00	.84	.67	.53	.46
538-70543-0108	70543-0108	4	30µ" Gold	.50	.30	1.22	1.02	.93	.86	.66
538-70543-0004	70543-0004	5	15µ" Gold	.60	.40	1.08	.90	.73	.57	.49
538-70543-0109	70543-0109	5	30µ" Gold	.60	.40	1.31	1.09	.88	.69	.60
538-70543-0040	70543-0040	6	Tin/Lead	.70	.50	.98	.82	.66	.52	.45
538-70543-0005	70543-0005	6	15µ" Gold	.70	.50	1.17	.98	.79	.62	.53
538-70543-0110	70543-0110	6	30µ" Gold	.70	.50	1.39	1.19	.96	.76	.66
538-70543-0006	70543-0006	7	15µ" Gold	.80	.60	1.25	1.05	.84	.66	.57
538-70543-0007	70543-0007	8	15µ" Gold	.90	.70	1.34	1.12	.90	.71	.61
538-70543-0008	70543-0008	9	15µ" Gold	1.00	.80	1.47	1.23	.99	.78	.67
538-70543-0009	70543-0009	10	15µ" Gold	1.10	.90	1.56	1.30	1.05	.83	.72
538-70543-0010	70543-0010	11	15µ" Gold	1.20	1.00	1.69	1.42	1.14	.90	.78
538-70543-0011	70543-0011	12	15µ" Gold	1.30	1.10	2.04	1.62	1.35	1.08	.90

Single Row, Vertical, with Plastic TRI-PEG

Features:
- Locking crown secures positive latch to header
- Standoffs minimize flux retention
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Mates with series 70066
- PCB locks hold header in place until permanently soldered
- Surface mount compatible

Specifications:
- Housing: Black glass filled PCT, UL 94V-0
- Contact: Phosphor bronze, .025" square
- Operating temperature: -40 to +150°C
- Voltage: 250V
- Current: 3.0A
- .120" Pocket





LR19980 E2

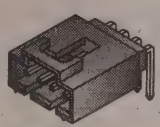
For quantities of 2000 and up, call fo

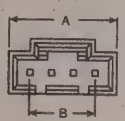
MOUSER STOCK NO.	Molex Part No.	No. of Cir.	Contact Plating	Dim. (In.) A	Dim. (In.) B	Price Each 1	10	100	500
538-70545-0001	70545-0001	2	Tin/Lead	.488	.10	.46	.39	.31	.28
538-70545-0036	70545-0036	2	15µ" Gold	.488	.10	.45	.37	.30	.27
538-70545-0071	70545-0071	2	30µ" Gold	.488	.10	.60	.50	.40	.36
538-70545-0002	70545-0002	3	Tin/Lead	.588	.20	.80	.67	.53	.48
538-70545-0037	70545-0037	3	15µ" Gold	.588	.20	.53	.44	.35	.32
538-70545-0072	70545-0072	3	30µ" Gold	.588	.20	.64	.54	.43	.39
538-70545-0038	70545-0038	4	15µ" Gold	.688	.30	.57	.47	.38	.35
538-70545-0073	70545-0073	4	30µ" Gold	.688	.30	.73	.61	.48	.44
538-70545-0039	70545-0039	5	15µ" Gold	.788	.40	.65	.55	.44	.40
538-70545-0040	70545-0040	6	15µ" Gold	.888	.50	.64	.53	.42	.38
538-70545-0075	70545-0075	6	30µ" Gold	.888	.50	.87	.73	.58	.53
538-70545-0041	70545-0041	7	15µ" Gold	.988	.60	.73	.61	.49	.44
538-70545-0042	70545-0042	8	15µ" Gold	1.088	.70	.91	.76	.61	.55
538-70545-0044	70545-0044	10	15µ" Gold	1.288	.90	.97	.81	.65	.59
538-70545-0079	70545-0079	10	30µ" Gold	1.288	.90	1.24	1.03	.82	.75
538-70545-0046	70545-0046	12	15µ" Gold	1.488	1.10	1.10	.92	.73	.66

Single Row, Right Angle, Low Profile

Specifications:
- Housing: Black glass filled PCT, UL 94V-0
- Contact: Phosphor bronze, .025" square
- Operating Temperature: -40 to +105°C
- Voltage: 250V
- Current: 3.0A
- .120" Pocket

Features:
- Locking crown secures positive latch to header
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Standoffs minimize flux retention
- Surface mount compatible
- Housing: Black glass filled PCT, UL 94V-0
- Contact: Phosphor bronze, .025" square
- Mates with series 70066
- Wire to board





LR19980 E29179

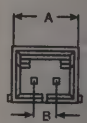
For quantities of 2000 and up, call for quote.

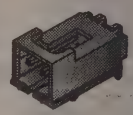
MOUSER STOCK NO.	Molex Part No.	No. of Cir.	Contact Plating	Dim. (In.) A	Dim. (In.) B	Price Each 1	10	100	500	1000
538-70553-0001	70553-0001	2	15µ" Gold	.29	.10	.74	.62	.50	.39	.34
538-70553-0036	70553-0036	2	Tin/Lead	.29	.10	.79	.66	.53	.42	.36
538-70553-0002	70553-0002	3	15µ" Gold	.40	.20	.90	.75	.60	.48	.41
538-70553-0037	70553-0037	3	Tin/Lead	.40	.20	.94	.75	.62	.50	.41
538-70553-0003	70553-0003	4	15µ" Gold	.50	.30	.95	.80	.64	.50	.43
538-70553-0004	70553-0004	5	15µ" Gold	.60	.40	1.08	.90	.73	.57	.49
538-70553-0039	70553-0039	5	Tin/Lead	.60	.40	.95	.80	.64	.50	.43
538-70553-0005	70553-0005	6	15µ" Gold	.70	.50	1.17	.98	.79	.62	.53
538-70553-0040	70553-0040	6	Tin/Lead	.70	.50	1.28	1.14	.91	.75	.60
538-70553-0006	70553-0006	7	15µ" Gold	.80	.60	1.34	1.12	.90	.71	.61
538-70553-0007	70553-0007	8	15µ" Gold	.90	.70	1.38	1.15	.93	.73	.63
538-70553-0008	70553-0008	9	15µ" Gold	1.00	.80	2.20	1.84	1.48	1.17	.99
538-70553-0009	70553-0009	10	15µ" Gold	1.10	.90	1.51	1.27	1.02	.80	.69
538-70553-0011	70553-0011	12	15µ" Gold	1.30	1.10	1.79	1.50	1.20	.95	.82

Single Row, Right Angle, Low Profile, with Plastic Tri-Peg

Features:
- Locking crown secures positive latch to header
- Standoffs minimize flux retention
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Mates with series 70066
- PCB locks hold header in place until permanently soldered.
- Low profile
- Surface mount compatible

Specifications:
- Housing: Black glass filled PCT, UL 94V-0
- Contact: Phosphor bronze, .025" square
- Operating Temperature: -40 to +105°C
- Voltage: 250V
- Current: 3.0A
- .120" Pocket





LR19980 E29

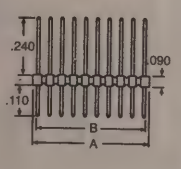
For quantities of 2000 and up, call for

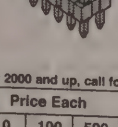
MOUSER STOCK NO.	Molex Part No.	No. of Cir.	Contact Plating	Dim. (In.) A	Dim. (In.) B	Price Each 1	10	100	500
538-70555-0001	70555-0001	2	Tin/Lead	.336	.10	.48	.40	.32	.29
538-70555-0036	70555-0036	2	15µ" Gold	.336	.10	.55	.46	.37	.34
538-70555-0071	70555-0071	2	30µ" Gold	.336	.10	.55	.46	.37	.34
538-70555-0002	70555-0002	3	Tin/Lead	.436	.20	.54	.45	.36	.33
538-70555-0037	70555-0037	3	15µ" Gold	.436	.20	.58	.49	.39	.36
538-70555-0072	70555-0072	3	30µ" Gold	.436	.20	.67	.57	.45	.40
538-70555-0003	70555-0003	4	Tin/Lead	.536	.30	.61	.51	.41	.37
538-70555-0038	70555-0038	4	15µ" Gold	.536	.30	.65	.54	.44	.39
538-70555-0073	70555-0073	4	30µ" Gold	.536	.30	.73	.61	.49	.44
538-70555-0039	70555-0039	5	15µ" Gold	.636	.40	.71	.59	.47	.43
538-70555-0074	70555-0074	5	30µ" Gold	.636	.40	.80	.67	.54	.49
538-70555-0005	70555-0005	6	Tin/Lead	.736	.50	1.00	.83	.66	.60
538-70555-0040	70555-0040	6	15µ" Gold	.736	.50	.73	.61	.48	.44
538-70555-0041	70555-0041	7	15µ" Gold	.836	.60	.82	.68	.54	.49
538-70555-0042	70555-0042	8	15µ" Gold	.936	.70	1.18	1.00	.79	.71
538-70555-0045	70555-0045	11	15µ" Gold	1.236	1.00	1.04	.87	.70	.63

.100" (2.54mm) C-Grid® VERTICAL, BREAKAWAY HEADERS - DUAL ROW

Specifications:
- Housing: Glass-filled polyester, UL 94V-0
- Contact: Phosphor bronze
- Operating temperature: -40 to +105°C

Features:
- Stackable side-to-side and end-to-end (on unbroken edges)
- Easy breakaway to smaller sizes
- Drawn .025" square wire provides 4-sided smooth surface for quality interface
- Mates with SL crimp and IDT housings





LEAD-FREE LR19980A E29179(C

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	No. of Cir.	Plating	Dim. (In.) A	Dim. (In.) B	Price Each 1	10	100	500	1000
538-10-89-7042	10-89-7042	4	15µ" Gold	.19	.10	.25	.22	.16	.14	.13
538-10-89-7061	10-89-7061	6	Tin	.29	.20	.30	.26	.19	.15	.14
538-10-89-7062	10-89-7062	6	15µ" Gold	.29	.20	.36	.31	.22	.18	.17
538-10-89-7081	10-89-7081	8	Tin	.39	.30	.40	.35	.25	.20	.18
538-10-89-7082	10-89-7082	8	15µ" Gold	.39	.30	.48	.42	.30	.24	.22

For quantities of 2000 and up, call for

MOUSER STOCK NO.	Molex Part No.	No. of Cir.	Plating	Dim. (In.) A	Dim. (In.) B	Price Each 1	10	100	500	1
538-10-89-7101	10-89-7101	10	Tin	.49	.40	.57	.50	.36	.28	
538-10-89-7102	10-89-7102	10	15µ" Gold	.49	.40	.68	.60	.43	.34	
538-10-89-7121	10-89-7121	12	Tin	.59	.50	.68	.60	.43	.34	
538-10-89-7122	10-89-7122	12	15µ" Gold	.59	.50	.82	.72	.51	.41	
538-10-89-7141	10-89-7141	14	Tin	.69	.60	.91	.80	.57	.46	
538-10-89-7142	10-89-7142	14	15µ" Gold	.69	.60	.96	.84	.60	.48	
538-10-89-7161	10-89-7161	16	Tin	.79	.70	1.00	.88	.63	.50	
538-10-89-7162	10-89-7162	16	15µ" Gold	.79	.70	1.21	1.06	.76	.61	
538-10-89-7202	10-89-7202	20	15µ" Gold	.99	.90	1.45	1.27	.91	.73	
538-10-89-7242	10-89-7242	24	15µ" Gold	1.19	1.10	2.09	1.83	1.31	1.05	
538-10-89-7262	10-89-7262	26	15µ" Gold	1.29	1.20	1.89	1.65	1.18	.94	
538-10-89-7302	10-89-7302	30	15µ" Gold	1.49	1.40	2.18	1.91	1.36	1.09	
538-10-89-7342	10-89-7342	34	15µ" Gold	1.69	1.60	2.47	2.16	1.54	1.23	1
538-10-89-7402	10-89-7402	40	15µ" Gold	1.99	1.90	2.90	2.54	1.81	1.45	1
538-10-89-7801	10-89-7801	80	Tin	3.99	3.90	5.38	4.71	3.37	2.69	2
538-10-89-7802	10-89-7802	80	15µ" Gold	3.99	3.90	6.65	5.82	4.16	3.33	2

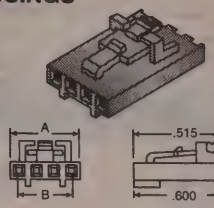
mm (.100") SL™ CRIMP HOUSINGS

es:

ve latch secures housing to locking
of mating header or panel mount
ntaglement/overstress ribs prevent
te wires from catching under latch
harness manufacturing and storage
ribs prevent contact damage; the
ng cannot be twisted off pins

ng: Black glass-filled polyester, UL 94V-0
erature: -40°C to 105°C

s 70066



LR19980 E29179

e Row, Positive Latch

For quantities of 2000 and up, call for quote.

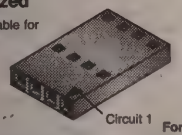
MOUSER STOCK NO.	Molex Part No.	No. of Cir.	Dimensions (In.)		Price Each				
			A	B	1	10	100	500	1000
0-57-9402	50-57-9402	2	.199	.100	.47	.38	.28	.22	.19
0-57-9403	50-57-9403	3	.299	.200	.60	.54	.36	.29	.25
0-57-9404	50-57-9404	4	.399	.300	.46	.37	.30	.23	.19
0-57-9405	50-57-9405	5	.499	.400	.54	.45	.32	.30	.22
0-57-9406	50-57-9406	6	.599	.500	.66	.52	.43	.33	.28
0-57-9407	50-57-9407	7	.699	.600	.74	.66	.45	.35	.30
0-57-9408	50-57-9408	8	.799	.700	.80	.64	.53	.42	.34
0-57-9409	50-57-9409	9	.899	.800	.81	.64	.54	.41	.35
0-57-9410	50-57-9410	10	.999	.900	.82	.65	.54	.43	.36
0-57-9411	50-57-9411	11	1.099	1.000	.87	.69	.57	.46	.36
0-57-9412	50-57-9412	12	1.199	1.100	.75	.60	.50	.40	.33
0-57-9414	50-57-9414	14	1.399	1.300	.73	.62	.39	.37	.32
0-57-9416	50-57-9416	16	1.599	1.500	.79	.68	.43	.41	.36

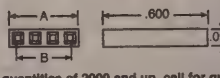
e Row, Non-polarized

end and side-to-side stackable for
r dual row connections

ing: Black glass-
polyester, UL94V-0

ating Temperature:
o +105°C





For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	No. of Cir.	Dimensions (In.)		Price Each				
			A	B	1	10	100	500	1000
0-57-9002	50-57-9002	2	.199	.100	.53	.47	.31	.24	.20
0-57-9003	50-57-9003	3	.299	.200	.67	.58	.38	.30	.26
0-57-9004	50-57-9004	4	.399	.300	.69	.61	.40	.32	.27
0-57-9005	50-57-9005	5	.499	.400	.73	.63	.42	.33	.28
0-57-9006	50-57-9006	6	.599	.500	.76	.66	.44	.35	.30
0-57-9007	50-57-9007	7	.699	.600	.80	.70	.46	.37	.32
0-57-9008	50-57-9008	8	.799	.700	.80	.70	.46	.37	.32
0-57-9009	50-57-9009	9	.899	.800	.90	.79	.52	.41	.34
0-57-9010	50-57-9010	10	.999	.900	.76	.71	.66	.61	.51

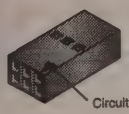
Row, Non-polarized

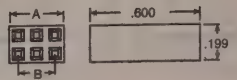
end and side-to-side stackable
l row connections

sing: Black glass-filled
ester, UL94V-0

ating Temperature: -40° to +105°C

es 70450





For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	No. of Cir.	Dimensions (In.)		Price Each				
			A	B	1	10	100	500	1000
22-55-2041	22-55-2041	4	.199	.100	.97	.87	.82	.77	.66
22-55-2061	22-55-2061	6	.299	.200	1.62	1.42	.95	.89	.75
22-55-2081	22-55-2081	8	.399	.300	2.00	1.80	1.20	.92	.79
22-55-2101	22-55-2101	10	.499	.400	2.13	1.88	1.26	.98	.84
22-55-2121	22-55-2121	12	.599	.500	2.22	1.96	1.30	.99	.85
22-55-2141	22-55-2141	14	.699	.600	2.30	2.00	1.33	1.06	.91
22-55-2161	22-55-2161	16	.699	.600	2.39	2.09	1.40	1.07	.92
22-55-2181	22-55-2181	18	.899	.800	2.00	1.51	1.15	1.00	.74
22-55-2201	22-55-2201	20	.999	.900	2.72	2.39	1.59	1.27	1.06
22-55-2261	22-55-2261	26	1.299	1.200	3.04	2.63	1.69	1.27	.92
22-55-2301	22-55-2301	30	1.499	1.400	2.97	2.62	1.73	1.39	1.01
22-55-2401	22-55-2401	40	1.999	1.900	3.64	3.21	2.14	1.71	1.42
22-55-2501	22-55-2501	50	2.499	2.400	3.87	3.41	2.73	2.42	2.32

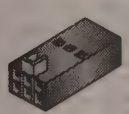
Row, Polarized

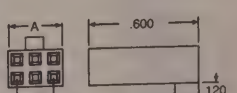
zed to mate with dual row,
ofile shrouded headers.

sing: Black glass-
d polyester, UL94V-0

rating Temperature:
to +105°C

es 70450





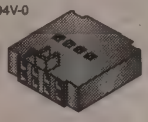
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	No. of Cir.	Dimensions (In.)		Price Each				
			A	B	1	10	100	500	1000
22-55-2062	22-55-2062	6	.299	.200	1.34	1.21	1.14	1.08	1.01
22-55-2082	22-55-2082	8	.399	.300	1.04	.87	.70	.62	.55
22-55-2102	22-55-2102	10	.499	.400	1.04	.87	.70	.62	.55
22-55-2122	22-55-2122	12	.599	.500	1.17	.98	.78	.71	.63
22-55-2142	22-55-2142	14	.699	.600	1.18	.99	.79	.72	.64
22-55-2162	22-55-2162	16	.799	.700	1.26	1.06	.84	.76	.68

Dual Row

Designed to mate with industry standard headers utilizing short latch/eject levers.

- Housing: Black glass-filled polyester, UL94V-0
- Operating Temperature: -40° to +105°C
- Series 70450



For quantities of 2000 and up, call for quote.

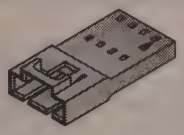
MOUSER STOCK NO.	Molex Part No.	No. of Cir.	Dimensions (In.)		Price Each				
			A	B	1	10	100	500	1000
538-22-55-3101	22-55-3101	10	.699	.400	1.12	.94	.75	.60	.56
538-22-55-3141	22-55-3141	14	.899	.600	1.22	1.02	.82	.70	.65
538-22-55-3161	22-55-3161	16	.999	.700	1.22	1.02	.82	.70	.65

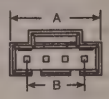
2.54mm (.100") SL™ WIRE TO WIRE CRIMP HOUSINGS

Single Row, Without Mounting Ears

Features:

- Housing: Black glass-filled polyester, UL94V-0
- Used primarily for remote interconnections
- Locking crown secures positive latch to connector
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Operating Temperature: -40° to +105°C





LR19980 E29179

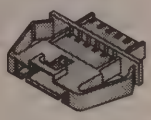
For quantities of 2000 and up, call for quote.

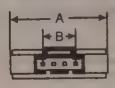
MOUSER STOCK NO.	Molex Part No.	No. of Cir.	Dimensions (In.)		Price Each				
			A	B	1	10	100	500	1000
538-70107-0001	70107-0001	2	.280	.100	.89	.71	.59	.47	.39
538-70107-0002	70107-0002	3	.380	.200	.83	.72	.60	.48	.39
538-70107-0003	70107-0003	4	.480	.300	.91	.74	.61	.49	.40
538-70107-0004	70107-0004	5	.580	.400	1.06	.84	.70	.56	.46
538-70107-0005	70107-0005	6	.680	.500	1.03	.96	.82	.69	.54
538-70107-0006	70107-0006	7	.780	.600	1.39	1.10	.87	.69	.59
538-70107-0007	70107-0007	8	.880	.700	1.42	1.12	.89	.71	.61
538-70107-0008	70107-0008	9	.980	.800	1.45	1.15	.91	.72	.62
538-70107-0011	70107-0011	12	1.280	1.100	1.50	1.20	.90	.70	.50
538-70107-0013	70107-0013	14	1.480	1.300	1.56	1.36	1.06	.86	.66

Single Row, with Mounting Ears

Features:

- Mounting ears for insertion into .030 to .090" thick panels.
- Used primarily for remote interconnections
- Locking crown secures positive latch to connector
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Panel Mount
- Housing: Black glass-filled polyester, UL94V-0
- Operating Temperature: -40° to +105°C





LR19980 E29179

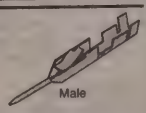
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	No. of Cir.	Dimensions (In.)						
			A	B	1	10	100	500	1000
538-70107-0036	70107-0036	2	.650	.100	.77	.64	.51	.46	.44
538-70107-0037	70107-0037	3	.750	.200	.81	.68	.54	.49	.46
538-70107-0038	70107-0038	4	.850	.300	.83	.70	.56	.51	.47
538-70107-0039	70107-0039	5	.950	.400	.84	.70	.56	.51	.45
538-70107-0040	70107-0040	6	1.050	.500	.98	.89	.81	.74	.64

Crimp Terminals

Specifications:

- Dual tab strain relief
- Locking tang secures terminal in housing
- Contact: Phosphor bronze
- Voltage: 250V
- Current: 3.0A
- Temperature: -40 to +120°C
- Male use with series 70107
- Female use with series 70066 and 70450



For quantities of 2000 and up, call for quote.

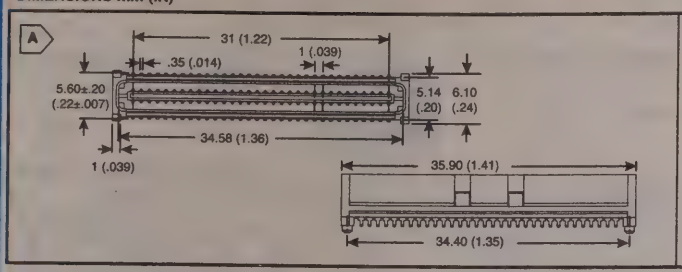
MOUSER STOCK NO.	Molex Part No.	Type	AWG	Plating	Price Each				
					1	10	100	500	1000
538-16-02-0117	16-02-0117	Male	22-24	30µ" Gold	.29	.26	.23	.20	.17
538-16-02-0110	16-02-0110	Male	24-30	30µ" Gold	.29	.26	.23	.20	.17
538-16-02-0115	16-02-0115	Male	22-24	15µ" Gold	.15	.13	.11	.09	.08
538-16-02-0109	16-02-0109	Male	24-30	15µ" Gold	.15	.13	.11	.09	.08
538-16-02-0114	16-02-0114	Male	22-24	150µ" Tin/Lead	.10	.08	.07	.05	.04
538-16-02-0108	16-02-0108	Male	24-30	150µ" Tin/Lead	.10	.08	.07	.05	.04
538-16-02-0104	16-02-0104	Female box	22-24	30µ" Gold	.19	.17	.14	.12	.10
538-16-02-0098	16-02-0098	Female box	24-30	30µ" Gold	.19	.17	.14	.12	.10
538-16-02-0103	16-02-0103	Female box	22-24	15µ" Gold	.14	.12	.10	.09	.08
538-16-02-0097	16-02-0097	Female box	24-30	15µ" Gold	.14	.12	.10	.08	.07
538-16-02-0102	16-02-0102	Female box	22-24	150µ" Tin/Lead	.10	.08	.07	.06	.05
538-16-02-0096	16-02-0096	Female box	24-30	150µ" Tin/Lead	.10	.08	.07	.06	.05
538-16-02-1125	16-02-1125	Female high force	22-24	15µ" Gold	.22	.17	.14	.11	.10
538-16-02-1109	16-02-1109	Female high force	24-30	15µ" Gold	.22	.17	.14	.11	.10
538-16-02-1114	16-02-1114	Female high force	22-24	150µ" Tin/Lead	.13	.11	.09	.08	.07
538-16-02-1116	16-02-1116	Female high force	24-30	150µ" Tin/Lead	.13	.11	.09	.08	.07

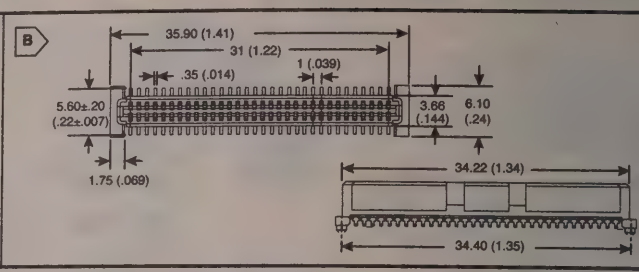
Tools

MOUSER STOCK NO.	Molex Part No.	Description	Price Each
538-11-01-0208	11-01-0208	Hand Crimp Tool, 22-24 AWG	197.00
538-11-01-0209	11-01-0209	Hand Crimp Tool, 24-30 AWG	197.00
538-11-02-0022	11-02-0022	Insertion Tool	9.08
538-11-03-0036	11-03-0036	Extraction Tool	13.40

MOLEX Mezzanine Connectors

DIMENSIONS mm (IN)





1.0MM (0.039") MEZZANINE IEEE 1386 CONNECTORS BOARD-TO-BOARD, SURFACE MOUNT, VERTICAL

Molex's fully shrouded leaf-style design minimizes the chance of damaging plug contacts, and the receptacle contacts feature a low mating force, reducing PC board stress. Gold-over-Nickel contact plating enhances long-term reliability and UL 94V-0 LCP housings withstand SMT reflow processes. Excellent tolerance absorption allows the connector to be used in combinations of 1-4 mated pairs for up to 256 circuits.

Specifications:
- Voltage: 100V
- Current: 1.0A
- Contact Resistance: 30mΩ min.
- Dielectric Withstanding Voltage: 250V
- Insulation Resistance: 1000 Mø min.

Features:
- Housing: Glass-filled LCP, UL 94V-0
- Contact: Phosphor Bronze
- Plating: 30µ" Gold min.
- Operating Temperature: -55°C to +85°C
- Lead Free

Applications:
- Network Interface Cards for NIC-HBA
- SCSI Host Bus and Adapter Cards for NIC-HBA
- Board-to-Board Mezzanine Connectors for Switch-Router
- Mezzanine Card Connectors for Server
- Mezzanine Card Connectors for Disk Array

LEAD-FREE

Plug	Receptacle	Mated Stack Ht. mm (In.)*
71436-0164	71439-0164	8.00 (.315)
71436-1164	71439-0164	9.00 (.354)
71436-2164	71439-0164	10.00 (.394)
71436-1164	71439-1164	11.00 (.433)
71436-2164	71439-1164	12.00 (.472)
71436-2164	71439-2164	13.00 (.512)
71436-1164	71439-3164	14.00 (.551)
71436-2164	71439-3164	15.00 (.591)

* Recommended Plug/Receptacle combination for mated stack height per EIA standard 700 AAAB.

71436 Series, Dual Row

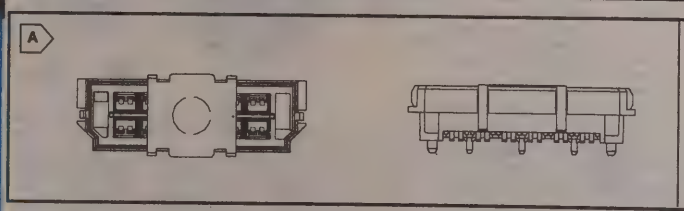
For quantities of 100 and up, call for

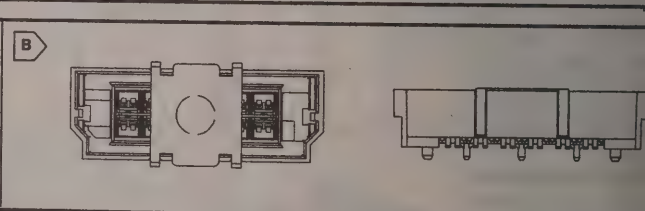
MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each 1	5	10	25	
538-71436-0164	71436-0164	A	64 Circuit Plug	6.08	4.86	3.65	3.04	2.
538-71436-1164	71436-1164	A	64 Circuit Plug	6.54	5.24	3.93	3.27	2.
538-71436-2164	71436-2164	A	64 Circuit Plug	6.56	5.46	4.92	4.37	3.

71439 Series, Dual Row

For quantities of 100 and up, call for

538-71439-0164	71439-0164	B	64 Circuit Receptacle	5.62	4.49	3.93	3.37	2.
538-71439-1164	71439-1164	B	64 Circuit Receptacle	4.54	3.40	2.84	2.55	2.
538-71439-2164	71439-2164	B	64 Circuit Receptacle	5.15	4.51	3.87	3.22	2.
538-71439-3164	71439-3164	B	64 Circuit Receptacle	4.11	3.77	3.43	2.74	2.





PLATEAU HS MEZZ™ CONNECTOR SYSTEM

Molex utilizes its proprietary Plateau Technology™ (plated gold housing) to provide a high-speed, high-density mezzanine connector system for differential and single-ended signal applications. The gold-plated plastic shields each differential pair from neighboring pairs, lowering crosstalk and improving signal clarity. Different stack heights and circuit sizes provide flexibility in design and grounding the conductive housing eliminates the need for individual ground pin designations within the connector. Engineered for high-speed signaling, Plateau HS Mezz™ has incredible signal integrity performance for today's designs as well as next gereration systems.

Specifications:
- Operating Voltage: 30VDC
- Current: 1.5A max. per circuit
- Operating Temperature: -55°C to +85°C
- Durability: 25 cycles

Features:
- Advanced gold-plated plastic housings with integrated shielding system
- Contacts on 1.20mm (.047") centerline pitch arranged in isolated differential pairs on 3.50mm (.138") pitch
- Two points of contact on each signal
- Molded and plated housing pegs
- Supports high-speed differential signaling in excess of 10Gbps with 100±10Ω impedance at 50 psec

Applications:
- Switches and hubs
- Routers
- Servers and blade servers
- Workstations
- Storage devices

Plugs

For quantities of 100 and up, call for

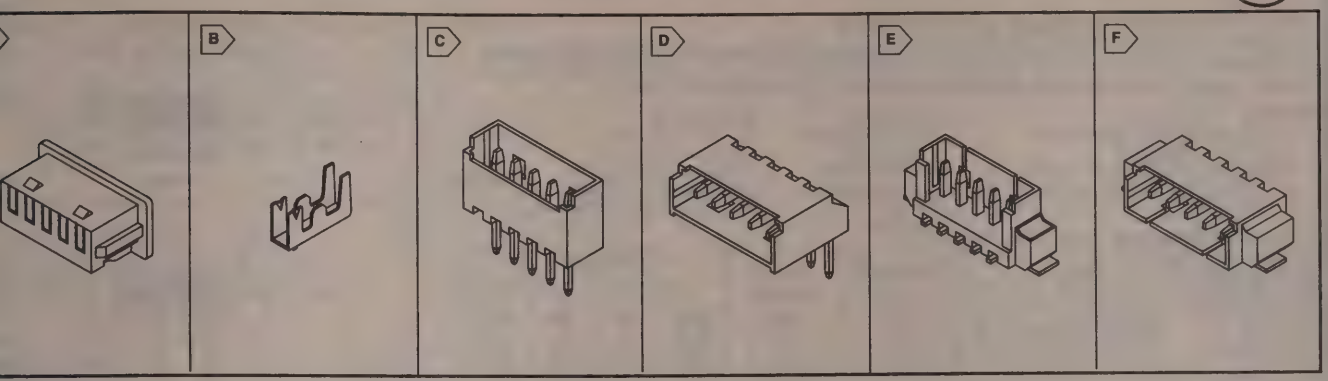
MOUSER STOCK NO.	Molex Part No.	Fig.	No. Of Circuits	Height mm (in.)	Price Each 1	5	10	25	
538-75003-0305	75003-0305	A	12	5.50 (.217)	7.49	7.29	6.91	6.14	5.4
538-75003-0308	75003-0308	A	12	8.50 (.335)	8.23	8.01	7.59	6.74	6.0
538-75003-0310	75003-0310	A	12	10.50 (.413)	8.56	8.32	7.88	6.99	6.2
538-75003-0005	75003-0005	A	24	5.50 (.217)	14.95	14.38	13.54	12.41	11.2
538-75003-0008	75003-0008	A	24	8.50 (.335)	17.81	17.14	16.13	14.78	13.4
538-75003-0010	75003-0010	A	24	10.50 (.413)	19.24	18.51	17.42	15.97	14.5
538-75003-0105	75003-0105	A	48	5.50 (.217)	28.38	27.31	25.70	23.56	21.4
538-75003-0110	75003-0110	A	48	10.50 (.413)	36.84	35.45	33.36	30.58	27.8
538-75003-0205	75003-0205	A	72	5.50 (.217)	40.33	38.81	36.53	33.48	30.4
538-75003-0210	75003-0210	A	72	10.50 (.413)	52.79	50.80	47.81	43.82	39.8

Receptacles

For quantities of 100 and up, call for

538-75005-0304	75005-0304	B	12	4.50 (.177)	5.45	4.91	4.36	3.92	3.7
538-75005-0306	75005-0306	B	12	6.50 (.256)	5.98	5.38	4.78	4.30	4.0
538-75005-0004	75005-0004	B	24	4.50 (.177)	11.38	10.24	9.10	8.19	7.7
538-75005-0006	75005-0006	B	24	6.50 (.256)	12.55	11.30	10.04	9.04	8.5
538-75005-0104	75005-0104	B	48	4.50 (.177)	21.53	19.37	17.22	15.50	14.6
538-75005-0204	75005-0204	B	72	4.50 (.177)	30.55	29.40	27.67	25.37	23.0

MOUSER ELECTRONICS a ttl company
(800) 346-6873



RE-TO-WIRE AND WIRE-TO-BOARD RECEPTACLES

ures:
es 51021
sing lance provides extra terminal retention
tion locks provide secure mating
with Series 50079/50058
es with Series 53398, 53261, 53047, and 53048

Specifications:
- Voltage: 125V
- Current: 1.0A, 32 AWG: 0.8A
- Operating Temperature: -40 to +85°C
- Housing: PBTP, UL 94V-0

For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each 1	10	100	500
-51021-0200	51021-0200	A	2	.29	.27	.19	.15
-51021-0300	51021-0300	A	3	.30	.28	.22	.17
-51021-0400	51021-0400	A	4	.32	.30	.24	.19
-51021-0500	51021-0500	A	5	.37	.33	.27	.22
-51021-0600	51021-0600	A	6	.41	.34	.30	.24
-51021-0700	51021-0700	A	7	.46	.39	.32	.26
-51021-0800	51021-0800	A	8	.50	.43	.35	.28
-51021-0900	51021-0900	A	9	.54	.46	.37	.30
-51021-1000	51021-1000	A	10	.58	.49	.40	.32
-51021-1100	51021-1100	A	11	.60	.52	.33	.28
-51021-1200	51021-1200	A	12	.62	.55	.36	.30
-51021-1400	51021-1400	A	14	.64	.58	.40	.34
-51021-1500	51021-1500	A	15	.66	.61	.40	.34

ale Crimp Terminals

ures:
with 51021 Series
king tang secures terminal in housing

Specifications:
- Material: Phosphor Bronze
- Plating: Tin

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size AWG	Price Each 1	100	500	1000
-50058-8000	50058-8000	B	28-32 (Tape)	.07	.06	.05	.04
-50058-8100	50058-8100	B	28-32 (Bulk)	.16	.14	.13	.12
-50079-8000	50079-8000	B	26-28 (Tape)	.06	.05	.04	.03
-50079-8100	50079-8100	B	26-28 (Bulk)	.14	.13	.12	.11

ls

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Description	Price Each
-63811-0200	63811-0200	Hand Crimper for 50058 Series	176.77
-63811-0300	63811-0300	Hand Crimper for 50079 Series	176.77
-57072-6000	57072-6000	Extraction Tool-contact	127.41
-11-03-0045	11-03-0045	Extraction Tool-housing	151.26

B HEADERS

ures:
ies 53047
king windows provide secure mating
tes with Series 51021
e-to-Board

Specifications:
- Contact: Phosphor Bronze
- Plating: Tin
- Housing: 6/6 Nylon, UL 94V-0
- Voltage: 125V
- Current: 1.0A, 32 AWG: 0.8A
- Operating Temp.: -40 to +85°C

ical

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each 1	10	100	500
-53047-0210	53047-0210	C	2	.42	.34	.24	.19
-53047-0310	53047-0310	C	3	.54	.47	.31	.25
-53047-0410	53047-0410	C	4	.60	.52	.35	.28
-53047-0510	53047-0510	C	5	.73	.60	.42	.34
-53047-0610	53047-0610	C	6	.84	.69	.49	.39
-53047-0710	53047-0710	C	7	.86	.79	.56	.45
-53047-0810	53047-0810	C	8	.96	.86	.62	.49
-53047-0910	53047-0910	C	9	1.07	.95	.63	.50
-53047-1010	53047-1010	C	10	1.16	1.07	.71	.57
-53047-1110	53047-1110	C	11	1.28	.55	.44	.40
-53047-1210	53047-1210	C	12	.67	.60	.48	.43
-53047-1410	53047-1410	C	14	.90	.78	.73	.69
-53047-1510	53047-1510	C	15	.95	.85	.72	.57

PCB HEADERS (cont.)

Features:
- Series 53048
- Locking windows provide secure mating
- Mates with Series 51021
- Wire-to-Board

Specifications:
- Contact: Phosphor Bronze
- Plating: Tin
- Housing: 6/6 Nylon, UL 94V-0
- Voltage: 125V
- Current: 1.0A, 32 AWG: 0.8A
- Operating Temp.: -40 to +85°C

Right Angle

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each 1	10	100	500
538-53048-0210	53048-0210	D	2	.45	.42	.27	.22
538-53048-0310	53048-0310	D	3	.55	.50	.33	.27
538-53048-0410	53048-0410	D	4	.65	.61	.43	.35
538-53048-0510	53048-0510	D	5	.76	.69	.49	.39
538-53048-0610	53048-0610	D	6	.84	.76	.51	.40
538-53048-0710	53048-0710	D	7	.94	.88	.61	.49
538-53048-0810	53048-0810	D	8	1.14	1.08	.72	.67
538-53048-0910	53048-0910	D	9	1.14	1.08	.72	.67
538-53048-1010	53048-1010	D	10	1.24	1.17	.78	.62
538-53048-1410	53048-1410	D	14	.82	.72	.57	.49
538-53048-1510	53048-1510	D	15	.88	.77	.61	.52

Features:
- Locking windows provide secure mating
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails
- Mates with Series 51021
- Surface Mount
- Wire-to-Board

Specifications:
- Housing: 4/6 Nylon, UL 94V-0
- Contact: Phosphor Bronze
- Plating: Tin/Lead
- Solder Tabs: Phosphor Bronze, Tin/Lead plating
- Operating Temperature: -40 to +85°C
- Voltage: 125V
- Current: 1.0A, 32 AWG: 0.8A

Vertical, SMT • Series 53398

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each 1	10	100	500
538-53398-0290	53398-0290	E	2	1.17	1.10	.73	.58
538-53398-0390	53398-0390	E	3	1.40	1.31	.87	.70
538-53398-0490	53398-0490	E	4	1.55	1.45	.96	.77
538-53398-0590	53398-0590	E	5	1.60	1.30	1.06	.85
538-53398-0690	53398-0690	E	6	1.72	1.50	1.14	.91
538-53398-0890	53398-0890	E	8	1.98	1.65	1.32	1.05

Features:
- Locking windows provide secure mating
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails
- Mates with Series 51021
- Surface Mount
- Wire-to-Board

Specifications:
- Housing: 4/6 Nylon, UL 94V-0
- Contact: Phosphor Bronze
- Plating: Tin/Lead
- Solder Tabs: Phosphor Bronze, Tin/Lead plating
- Operating Temperature: -40 to +85°C
- Voltage: 125V
- Current: 1.0A, 32 AWG: 0.8A

Right Angle, SMT • Series 53261

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each 1	10	100	500
538-53261-0290	53261-0290	F	2	1.23	1.15	.77	.61
538-53261-0390	53261-0390	F	3	1.57	1.38	.92	.74
538-53261-0490	53261-0490	F	4	1.71	1.51	1.00	.80
538-53261-0690	53261-0690	F	6	1.93	1.77	1.18	.94
538-53261-0790	53261-0790	F	7	2.16	1.90	1.26	1.01
538-53261-0990	53261-0990	F	9	2.46	2.17	1.44	1.15
538-53261-1090	53261-1090	F	10	2.52	2.29	1.53	1.22
538-53261-1490	53261-1490	F	14	1.88	1.64	1.37	1.10
538-53261-1590	53261-1590	F	15	1.94	1.71	1.43	1.14

MOLEX LFH™ and EBBI™ Connectors

LFH™ (LOW FORCE HELIX) CONNECTORS

The Low Force Helix (LFH) contact was designed for high-pin count signal applications where there is a need for reliability and performance. Designed for both cable-to-board and board-to-board applications, the system's low insertion forces make it ideal for situations where multiple single lines need to be terminated or packaged in a limited space.

Features:
- Matrix 50 contact layout is four rows on 1.27 by 1.27mm (.050 by .050") spacing
- Redundant contact points for long-term reliability
- High cycle life via controlled plating and contact surfaces
- Good electrical performance for high-speed applications

Applications:
- Mainframe Computers
- Mass storage
- Portable POS units
- Network Interface Cards
- Routers
- Switches

Specifications:
- Current Rating: 1.0A max
- Voltage: 40V max
- Withstanding Voltage: 500V AC
- Contact Resistance: 20 milliohms max
- Insulation Resistance: 100 Megohms min

Right-Angle Receptacle - Mates with 70929

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Circuits	PC Tail Length (In.)	Price Each 1	10	25	50
538-70928-2000	70928-2000	A	60	.079	10.55	8.79	7.56	6.51
538-70928-2001	70928-2001	A	60	.092	10.48	8.74	7.51	6.47
538-70928-2002	70928-2002	A	60	.104	10.31	8.59	7.39	6.35

Vertical Plug Cable Kit

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Circuits	Price Each 1	10	25	50
538-70929-2000	*70929-2000	B	60	3.34	2.78	2.39	2.06
538-51-24-2022	51-24-2022	-	15 / Stick	1.95	1.62	1.40	1.20

* 4 Terminal Sticks Required (51-24-2022)

Vertical Receptacle - Mates with 51-25-1040

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Circuits	Price Each 1	10	25	50
538-71626-1001	71626-1001	C	160	21.60	18.00	15.48	13.32

Right-Angle Receptacle - Mates with 51-25-1040

538-51-24-1040	51-24-1040	D	160	23.29	19.41	16.69	14.36
538-71626-4000	*71626-4000	D	160	35.72	29.77	25.60	22.03

* Guide Hardware Attached

Right-Angle Plug Cable Kit

538-51-25-1040	*51-25-1040	E	160	24.77	20.64	17.75	15.28
538-70984-4009	70984-4009	-	40 / Stick	4.47	3.73	3.20	2.76

* 4 Terminal Sticks Required (70984-4009)

Hardware

MOUSER STOCK NO.	Molex Part No.	Description	Price Each 1	10	25	50
538-71629-4000	71629-4000	Guide Hardware	.99	.82	.71	.61
538-70982-1003	70982-1003	Hex Lock Screw	.91	.76	.65	.56

EBBI™ 50D CONNECTORS

The Molex EBBI 50D series meets the market demand for low-cost, unshielded, high density, leaf-style connectors. Several configurations are available including vertical, right angle, and blind-mating to provide valuable design flexibility and expandability. Leaf-style terminals are arranged in two rows on .050" spacing within a polarized "D"-shaped housing for rugged mechanical protection. Housings are made of high-temperature, UL 94V-0 thermoplastic. Terminals are plated with 30 microinches min. gold in the mating area for long term reliability and durability. The IDT cable receptacle terminates to both .025" flat ribbon or laminated discrete-wire cable. A built-in polarizing key prevents mismating to the PCB card edge. The cable-gripping cover prevents cable pull-out and eliminates the need for an extra retention cover.

Specifications:
- Current Rating: 1.0A at 20° maximum temperature rise
- Voltage: 30V AC max
- Ambient Temperature: -40°C to 105°C
- Housing Material: Thermoplastic
- Flammability: UL94V-0
- Contact: Copper (Cu) Alloy
- Under Plating: Nickel (Ni)
- Durability: 500 cycles

Vertical Receptacle - Mates with 71661-2xxx Series

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Circuits	Price Each 1	10	25	50
538-15-92-1030	15-92-1030	F	30	3.82	3.18	2.74	2.35
538-15-92-1068	15-92-1068	F	68	4.82	4.02	3.46	2.98
538-15-92-1080	15-92-1080	F	80	5.23	4.36	3.75	3.22

Vertical IDT (Insulation Displacement Technology) Receptacle - Mates with 71661-2xxx Series

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Circuits	Price Each 1	10	25	50
538-15-92-3068	15-92-3068	G	68	3.49	2.91	2.50	2.16
538-15-92-3080	15-92-3080	G	80	4.92	4.10	3.52	3.03

Right-Angle Plug - Mates with 15-92-xxxx Series

538-71661-2030	71661-2030	H	30	2.07	1.73	1.49	1.28
538-71661-2068	71661-2068	H	68	4.64	3.87	3.32	2.86
538-71661-2080	71661-2080	H	80	8.67	7.22	6.21	5.34

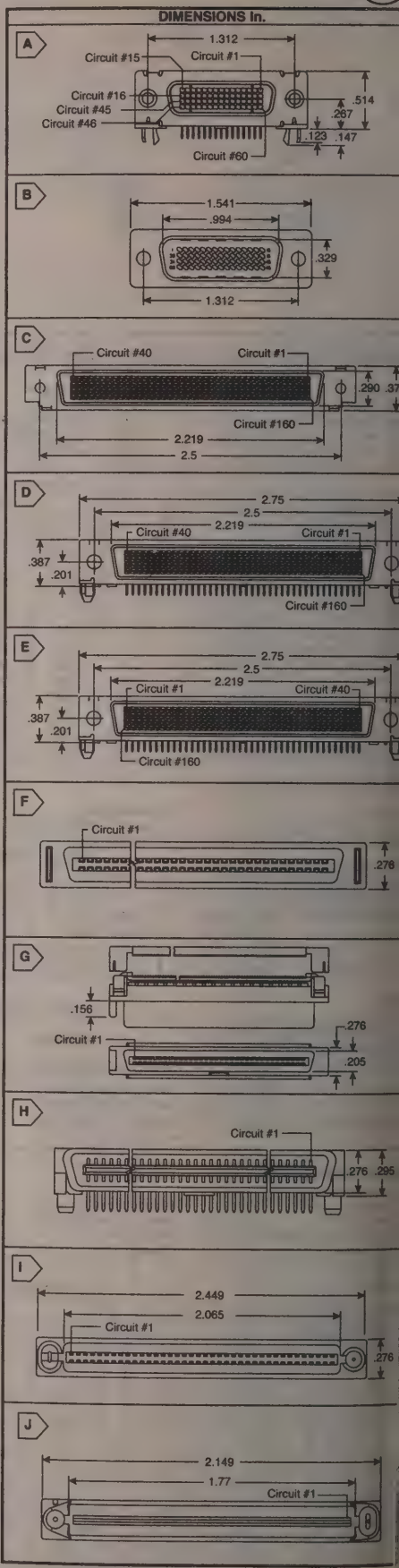
Vertical Blind-Mate Receptacle - Mates with 71661-7xxx Series

538-71660-7080	71660-7080	I	80	8.16	6.80	5.85	5.03

Vertical Blind-Mate Plug - Mates with 71660-7xxx Series

538-71661-7080	71661-7080	J	80	8.95	7.46	6.41	5.52

DIMENSIONS In.



MOUSER ELECTRONICS a ttl company

(800) 346-6873

ERLOCK™ 2.0mm (.079") PITCH SINGLE-ROW ONNECTORS WIRE-TO-BOARD

nally developed for PC monitor applications, this 2.0mm pitch system can also be for other applications that require space savings and secure locking features.

tures:
- w-profile compact design
- sitive locking ribs
- larizing guide wall
- w-insertion force terminal
- x-style contact design
- lly-shrouded header
- 0mm Pitch

Applications:
- PC Monitor
- TV
- VCR
- Printer
- Instrumentation
- Air Conditioner
- Vending Machine

Specifications:
- Voltage: 125V
- Current: 2.0A max.
- Contact Resistance: 20mΩ max.
- Dielectric Withstanding Voltage: 500V
- Insulation Resistance: 1000 MΩ min.
- Housings: Polyamide, UL 94V-0
- Operating Temperature: -40°C to +105°C
- AWG: 24-30

usings

ating Height: 7.2mm
ating Width: 5.8mm

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Contacts	Dimensions mm (In.)		Price Each			
				A	B	1	10	100	500
8-35507-0200	35507-0200	A	2	7.20 (.283)	2.00 (.079)	.18	.15	.12	.09
8-35507-0300	35507-0300	A	3	9.20 (.362)	4.00 (.157)	.21	.18	.14	.11
8-35507-0400	35507-0400	A	4	10.30 (.406)	6.00 (.236)	.24	.20	.16	.12
8-35507-0500	35507-0500	A	5	12.30 (.484)	8.00 (.315)	.32	.26	.21	.16
8-35507-0600	35507-0600	A	6	14.30 (.563)	10.00 (.394)	.28	.24	.19	.14
8-35507-0700	35507-0700	A	7	16.30 (.642)	12.00 (.472)	.31	.26	.21	.15
8-35507-0800	35507-0800	A	8	18.30 (.720)	14.00 (.551)	.34	.28	.23	.17
8-35507-0900	35507-0900	A	9	20.30 (.799)	16.00 (.630)	.35	.29	.24	.18
8-35507-1000	35507-1000	A	10	22.30 (.878)	18.00 (.709)	.36	.30	.24	.18
8-35507-1100	35507-1100	A	11	24.30 (.957)	20.00 (.787)	.38	.31	.25	.19
8-35507-1200	35507-1200	A	12	26.30 (1.035)	22.00 (.866)	.40	.34	.27	.20
8-35507-1300	35507-1300	A	13	28.30 (1.114)	24.00 (.945)	.42	.35	.28	.21
8-35507-1400	35507-1400	A	14	30.30 (1.193)	26.00 (1.024)	.48	.40	.32	.24
8-35507-1500	35507-1500	A	15	32.30 (1.272)	28.00 (1.102)	.60	.50	.40	.30
8-35507-2000	35507-2000	A	20	42.30 (1.665)	38.00 (1.496)	.68	.57	.45	.34

rtical Headers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Contacts	Dimensions mm (In.)		Price Each			
				A	B	1	10	100	500
8-35362-0250	35362-0250	B	2	7.70 (.303)	2.00 (.079)	.34	.28	.23	.17
8-35362-0350	35362-0350	B	3	9.70 (.382)	4.00 (.157)	.41	.35	.28	.21
8-35362-0400	35362-0400	B	4	10.30 (.406)	6.00 (.236)	.45	.38	.30	.23
8-35362-0500	35362-0500	B	5	12.30 (.484)	8.00 (.315)	.55	.46	.37	.28
8-35362-0600	35362-0600	B	6	14.30 (.563)	10.00 (.394)	.60	.50	.40	.30
8-35362-0700	35362-0700	B	7	16.30 (.642)	12.00 (.472)	.68	.57	.45	.34
8-35362-0800	35362-0800	B	8	18.30 (.720)	14.00 (.551)	.80	.67	.54	.40
8-35362-0900	35362-0900	B	9	20.30 (.799)	16.00 (.630)	.87	.72	.58	.43
8-35362-1000	35362-1000	B	10	22.30 (.878)	18.00 (.709)	.96	.80	.64	.48
8-35362-1100	35362-1100	B	11	24.30 (.957)	20.00 (.787)	.99	.82	.66	.49
8-35362-1200	35362-1200	B	12	26.30 (1.035)	22.00 (.866)	1.05	.88	.70	.53
8-35362-1300	35362-1300	B	13	28.30 (1.114)	24.00 (.945)	1.14	.95	.76	.57
8-35362-1400	35362-1400	B	14	30.30 (1.193)	26.00 (1.024)	1.21	1.01	.80	.60
8-35362-1500	35362-1500	B	15	32.30 (1.272)	28.00 (1.102)	1.30	1.08	.87	.65
8-35362-2050	35362-2050	B	20	42.30 (1.665)	38.00 (1.496)	1.92	1.60	1.28	.96

ght-Angle Headers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Contacts	Dimensions mm (In.)		Price Each			
				A	B	1	100	500	1000
8-35363-0260	35363-0260	C	2	7.70 (.303)	2.00 (.079)	.44	.37	.29	.22
8-35363-0360	35363-0360	C	3	9.70 (.382)	4.00 (.157)	.49	.41	.33	.24
8-35363-0460	35363-0460	C	4	10.30 (.406)	6.00 (.236)	.53	.44	.35	.27
8-35363-0560	35363-0560	C	5	12.30 (.484)	8.00 (.315)	.65	.54	.43	.32
8-35363-0660	35363-0660	C	6	14.30 (.563)	10.00 (.394)	.68	.57	.45	.34
8-35363-0760	35363-0760	C	7	16.30 (.642)	12.00 (.472)	.79	.66	.53	.40
8-35363-0860	35363-0860	C	8	18.30 (.720)	14.00 (.551)	.90	.75	.60	.45
8-35363-0960	35363-0960	C	9	20.30 (.799)	16.00 (.630)	.96	.80	.64	.48
8-35363-1060	35363-1060	C	10	22.30 (.878)	18.00 (.709)	1.05	.88	.70	.53
8-35363-1160	35363-1160	C	11	24.30 (.957)	20.00 (.787)	1.11	.93	.74	.56
8-35363-1260	35363-1260	C	12	26.30 (1.035)	22.00 (.866)	1.18	.98	.78	.59
8-35363-1360	35363-1360	C	13	28.30 (1.114)	24.00 (.945)	1.24	1.03	.82	.62
8-35363-1460	35363-1460	C	14	30.30 (1.193)	26.00 (1.024)	1.30	1.08	.87	.65
8-35363-1560	35363-1560	C	15	32.30 (1.272)	28.00 (1.102)	1.42	1.19	.95	.71
8-35363-2060	35363-2060	C	20	42.30 (1.665)	38.00 (1.496)	1.73	1.44	1.15	.87

rminals

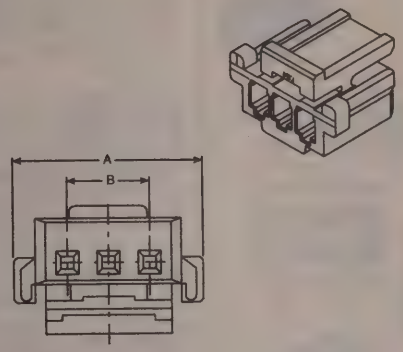
pring-box design with internal cat-ear contact points.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	AWG	Contact	Plating	Price Each			
						1	100	500	1000
8-50212-8100	50212-8100	D	24 - 30	Phosphor Bronze	Tin	.15	.13	.12	.11

DIMENSIONS mm and (IN)

A



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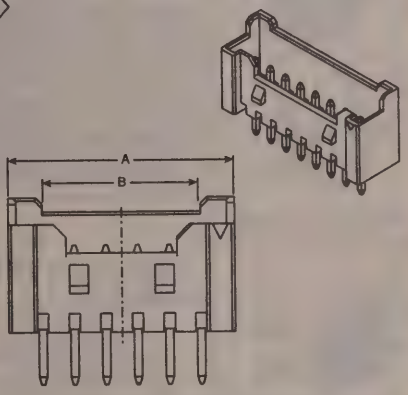

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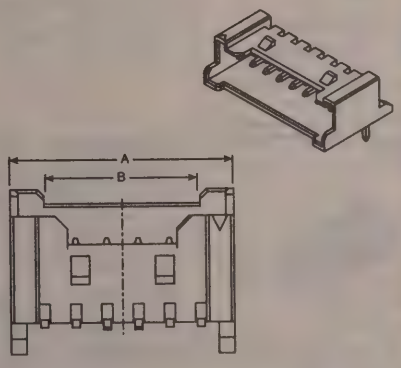

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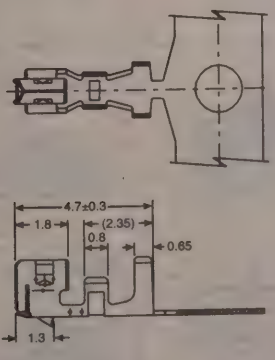


2.00mm (.079") CRIMP HOUSINGS VERTICAL DUAL ROW

- Front latches for added retention forces after mating
- Mates with 0.50mm square pin headers
- Housing: Black glass filled polyester, UL 94V-0
- Operating Temperature: -55°C to +105°C
- End-to-end and Side-to-side stackable
- AWG: 24-30

LR19980 E29179

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Dimen. (In.) A	Dimen. (In.) B	Price Each 1	Price Each 10	Price Each 100
With Polarization Keys								
538-511100851*	51110-0851	A	8	.323	.236	.36	.22	.18
538-511101051*	51110-1051	A	10	.402	.315	.38	.24	.19
538-511101251*	51110-1251	A	12	.480	.394	.40	.25	.20
538-511101451	51110-1451	A	14	.559	.472	.47	.29	.23
538-51110-1651	51110-1651	A	16	.638	.551	.56	.35	.28
538-511101851	51110-1851	A	18	.717	.630	.73	.64	.43
538-511102051	51110-2051	A	20	.795	.708	.80	.70	.47
538-511102251	51110-2251	A	22	.874	.787	.87	.77	.51
538-511102451	51110-2451	A	24	.953	.866	.94	.83	.55
538-511103051	51110-3051	A	30	1.189	1.102	1.15	1.00	.67
Without Polarization Keys								
538-511100450	51110-0450	A	4	.165	.079	.32	.20	.16
538-511100650	51110-0650	A	6	.244	.157	.33	.21	.20
538-511100850*	51110-0850	A	8	.323	.236	.36	.22	.19
538-51110-1050*	51110-1050	A	10	.402	.315	.38	.24	.22
538-511101250*	51110-1250	A	12	.480	.394	.40	.25	.23
538-511101450	51110-1450	A	14	.559	.472	.47	.36	.32
538-511101650	51110-1650	A	16	.638	.551	.56	.35	.28
538-511102050	51110-2050	A	20	.795	.708	.67	.42	.34
538-511102250	51110-2250	A	22	.874	.787	.87	.77	.51
538-511102450	51110-2450	A	24	.953	.866	.81	.51	.40
538-511102650	51110-2650	A	26	1.031	.945	.87	.54	.50
538-511103050	51110-3050	A	30	1.189	1.102	1.00	.63	.50

* Center polarization key

2.00mm (.079") RECEPTACLES VERTICAL, DUAL ROW

- IR, vapor-phase and wave solder/surface mount compatible
- Dual beam contact design ensures reliable electrical performance
- Molded-in void locations for polarization to mating connector
- PC tails have tapered lead-in for insertion into the PC board
- Mates with 0.50mm square pin headers
- Through hole
- Board to board
- Current: 1.0A
- Voltage: 125V
- Housing: Black glass-filled LCP, UL 94V-0
- Contact: Phosphor bronze
- Plating: 15µ" min. gold
- Operating Temperature: -55°C to 105°C

LR19980 E29179

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Dimen. (In.) A	Dimen. (In.) B	Price Each 1	Price Each 10	Price Each 100
538-791070001	79107-0001	B	4	.165	.079	1.20	1.08	1.02
538-791070003	79107-0003	B	8	.322	.236	1.26	1.14	1.08
538-791070004	79107-0004	B	10	.401	.315	1.40	1.26	1.19
538-791070005	79107-0005	B	12	.480	.394	.88	.80	.75
538-791070006	79107-0006	B	14	.559	.472	1.64	1.48	1.40
538-791070007	79107-0007	B	16	.637	.551	1.78	1.60	1.52
538-791070008	79107-0008	B	18	.716	.630	1.64	1.48	1.40
538-791070009	79107-0009	B	20	.795	.709	2.02	1.82	1.72
538-791070011	79107-0011	B	24	.952	.866	3.46	3.12	2.95
538-791070014	79107-0014	B	30	1.188	1.102	1.57	1.42	1.34
538-791070019	79107-0019	B	40	1.582	1.496	3.84	3.46	3.26
538-791070021	79107-0021	B	44	1.740	1.654	4.22	3.80	3.60

Crimp Terminal

- Contact: Phosphor bronze
- Operating Temperature: -40 to +105°C
- Voltage: 250V

LR19980 E29179

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	AWG	Price Each 1	Price Each 10	Price Each 100
538-50394-8100	50394-8100	24-30	.12	.11	.10

Hand Tool

- Crimp terminal

MOUSER STOCK NO.	Molex Part No.	AWG	Price Each 1	Price Each 5
538-11-01-0204	11-01-0204	24-30	180.33	166.00

2.00mm (.079") VERTICAL HEADERS

- End-to-end stackable
- Mates with Milli-Grid Receptacles, Series 79107
- Surface Mount Compatible
- Housing: High temperature 4/6 nylon, UL 94V-0
- Contact: Phosphor bronze, 0.50mm square
- Plating: 15µ" select gold
- Operating Temperature: -55°C to +150°C
- PCB Thickness: 1.60 ± 0.10mm

LEAD-FREE

E29179 LR19980-182

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Dimen. (In.) A	Dimen. (In.) B	Price Each 1	Price Each 10	10
538-87758-0416	87758-0416	C	4	.154	.079	.57	.39	.3
538-87758-0616	87758-0616	C	6	.232	.157	.74	.47	.3
538-87758-0816	87758-0816	C	8	.311	.236	.86	.54	.4
538-87758-1016	87758-1016	C	10	.390	.315	.97	.61	.4
538-87758-1216	87758-1216	C	12	.469	.394	1.16	.73	.5
538-87758-1416	87758-1416	C	14	.547	.472	1.30	1.14	.7
538-87758-1616	87758-1616	C	16	.626	.551	1.30	.86	.6
538-87758-1816	87758-1816	C	18	.705	.630	1.50	.97	.7
538-87758-2016	87758-2016	C	20	.783	.709	1.73	1.08	.8
538-87758-2216	87758-2216	C	22	.862	.787	1.90	1.19	.9
538-87758-2416	87758-2416	C	24	.941	.866	1.97	1.30	1.0
538-87758-2616	87758-2616	C	26	1.020	.945	1.97	1.40	1.1
538-87758-3016	87758-3016	C	30	1.177	1.102	2.50	1.62	1.2
538-87758-4016	87758-4016	C	40	1.571	1.496	3.02	1.89	1.5
538-87758-4416	87758-4416	C	44	1.728	1.654	3.32	2.08	1.6
538-87758-5016	87758-5016	C	50	1.965	1.890	3.38	2.36	1.8

2.00mm (.079") RIGHT ANGLE HEADERS

- End-to-end stackable
- Mates with Milli-Grid Receptacles, Series 79107
- Housing: Black glass-filled polyester, UL 94V-0
- Contact: Phosphor bronze, 0.50mm square
- Plating: 15µ" select gold
- Operating Temperature: -55 to +105°C

LEAD-FREE

LR19980-182 E29179

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Dimen. (In.) A	Dimen. (In.) B	Price Each 1	Price Each 10	10
538-87760-0416	87760-0416	D	4	.079	.157	.95	.86	.8
538-87760-0816	87760-0816	D	8	.236	.315	.84	.74	.5
538-87760-1216	87760-1216	D	12	.394	.472	1.28	1.12	.7
538-87760-1416	87760-1416	D	14	.472	.551	1.35	1.18	.7
538-87760-1616	87760-1616	D	16	.551	.630	1.42	1.24	.8
538-87760-1816	87760-1816	D	18	.630	.709	1.60	1.41	.9
538-87760-2016	87760-2016	D	20	.709	.787	1.66	1.46	.9
538-87760-2416	87760-2416	D	24	.866	.945	1.91	1.68	1.1

2.00mm (.079") VERTICAL SHROUDED HEADER

- Fully shrouded to protect pins during mating/unmating
- Center slot for polarization
- Side latches for mechanical locking (18, 40 circuit only)
- No center polarization slot for circuit size 4 and 6
- Housing: Black 4/6 nylon, UL 94V-0
- Contact: Phosphor bronze
- Plating: 15µ" select gold

LEAD-FREE

LR19980 E29179

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Dimen. (In.) A	Dimen. (In.) B	Price Each 1	Price Each 10	100
538-87831-0420	87831-0420	E	4	.262	.079	.92	.83	.7
538-87831-0620	87831-0620	E	6	.341	.157	1.03	.91	.6
538-87831-0820	87831-0820	E	8	.419	.236	.90	.79	.5
538-87831-1820	87831-1820	E	18	.813	.630	1.26	1.13	1.0
538-87831-4020	87831-4020	E	40	1.679	1.496	4.43	3.91	2.6

MOUSER ELECTRONICS a tti company

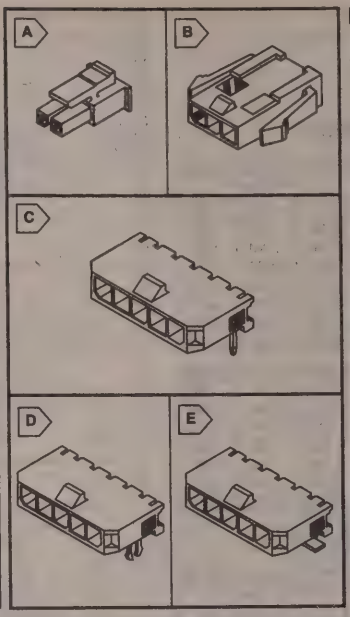
MOLEX Single & Dual Row Micro-Fit 3.0™ Connectors

MP HOUSINGS-SINGLE ROW

ive latching to mating headers or plugs
isolated contacts
ral pull tabs for ease in unmating
mm (0.118") Pitch
eptacle mates with 43640 series and 43650 series
to Wire

For quantities of 500 and up, call for quote.

OUSER OCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each 1	10	100
eptacles						
43645-0200	43645-0200	A	2	.24	.21	.19
43645-0300	43645-0300	A	3	.25	.22	.21
43645-0400	43645-0400	A	4	.27	.24	.23
43645-0500	43645-0500	A	5	.30	.27	.25
43645-0600	43645-0600	A	6	.33	.29	.27
s-Free Hanging						
43640-0201	43640-0201	B	2	.24	.21	.19
43640-0301	43640-0301	B	3	.25	.22	.21
43640-0401	43640-0401	B	4	.27	.24	.23
43640-0501	43640-0501	B	5	.37	.35	.26
43640-0601	43640-0601	B	6	.44	.42	.31
s-Panel Mount						
43640-0200	43640-0200	B	2	.24	.21	.19
43640-0300	43640-0300	B	3	.30	.26	.25
43640-0500	43640-0500	B	5	.61	.50	.35
43640-0600	43640-0600	B	6	.65	.53	.38



PCB HEADERS - SINGLE ROW

- Snap-in peg locks header to PCB for optimum retention
- Surface Mount Compatible
- Fully polarized to mating receptacle
- Mates with 43645 Series
- Wire to Board
- 3.00mm (0.118") Pitch

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Plating	Price Each 1	10	100
Right Angle, with Snap-In Plastic Peg							
538-43650-0200	43650-0200	C	2	Tin	.50	.42	.37
538-43650-0300	43650-0300	C	3	Tin	.53	.48	.43
538-43650-0400	43650-0400	C	4	Tin	.55	.50	.45
538-43650-0500	43650-0500	C	5	Tin	1.30	1.04	.94
538-43650-0600	43650-0600	C	6	Tin	1.25	1.00	.90
538-43650-0201	43650-0201	C	2	15µ" Gold	.78	.71	.64
538-43650-0301	43650-0301	C	3	15µ" Gold	1.06	.85	.76
538-43650-0401	43650-0401	C	4	15µ" Gold	1.07	.86	.78
Right Angle, w/ PCB Press-fit Retention Clip							
538-43650-0210	43650-0210	D	2	15µ" Gold	2.09	1.90	1.71
538-43650-0310	43650-0310	D	3	15µ" Gold	1.71	1.54	1.45
538-43650-0410	43650-0410	D	4	15µ" Gold	1.89	1.71	1.61
538-43650-0510	43650-0510	D	5	15µ" Gold	2.04	1.84	1.74
538-43650-0610	43650-0610	D	6	15µ" Gold	2.21	2.00	1.87
Right Angle, w/ Solder Tabs							
538-43650-0212	43650-0212	E	2	Tin	1.08	.87	.78
538-43650-0413	43650-0413	E	4	15µ" Gold	1.95	1.75	1.65
538-43650-0513	43650-0513	E	5	15µ" Gold	2.11	1.90	1.79
538-43650-0613	43650-0613	E	6	15µ" Gold	2.27	2.04	1.93

MP HOUSINGS-DUAL ROW

E29179

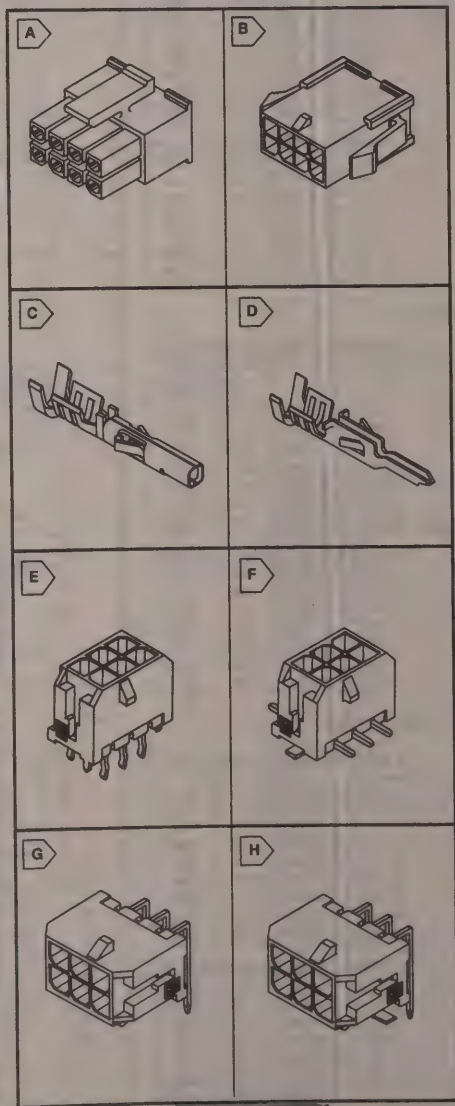
LR19980

to Wire
y isolated contacts
y polarized
age: 250V
rent: 5.0 max.
es with 43020 Series
43045 Series

- Contact resistance: 10mΩ max.
- Housing: UL94V-0
- Contacts: phosphor bronze
- Plating: tin or 30µ" gold
- 3.00mm (0.118") Pitch
- Receptacle mates with Series 43020

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	Fig.	No. of Circuits	Price Each 1	10	100
eptacles					
-43025-0200	A	2	.26	.23	.21
-43025-0400	A	4	.30	.27	.24
-43025-0600	A	6	.36	.32	.29
-43025-0800	A	8	.42	.37	.33
-43025-1000	A	10	.48	.43	.39
-43025-1200	A	12	.57	.51	.46
-43025-1400	A	14	.81	.74	.67
-43025-1600	A	16	.67	.56	.48
-43025-1800	A	18	.91	.82	.68
-43025-2000	A	20	1.21	1.15	1.07
-43025-2400	A	24	1.04	.98	.93
gs- Panel Mount					
-43020-0200	B	2	.26	.23	.21
-43020-0400	B	4	.30	.27	.24
-43020-0600	B	6	.37	.33	.30
-43020-0800	B	8	.45	.33	.28
-43020-1000	B	10	.51	.45	.41
-43020-1200	B	12	.57	.51	.46
gs- Free Hanging					
-43020-0201	B	2	.27	.23	.21
-43020-0401	B	4	.37	.35	.32
-43020-0601	B	6	.40	.30	.25
-43020-0801	B	8	.51	.47	.44
-43020-1001	B	10	.65	.55	.49



PCB HEADERS-DUAL ROW

- Surface mount compatible w/ PCB polarizing pegs
- Fully polarized to mating receptacle

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Circuits	Plating	Price Each 1	10	100
Vertical, Thru-Hole						
538-43045-0212	E	2	Tin	.87	.71	.51
538-43045-0412	E	4	Tin	.50	.42	.38
538-43045-0612	E	6	Tin	.60	.53	.47
538-43045-0812	E	8	Tin	.90	.80	.72
538-43045-1012	E	10	Tin	.85	.75	.70
538-43045-1212	E	12	Tin	1.05	.93	.83
538-43045-0214	E	2	Gold	.62	.57	.51
538-43045-0414	E	4	Gold	.75	.65	.60
538-43045-0614	E	6	Gold	1.00	.90	.81
538-43045-0814	E	8	Gold	1.25	1.11	1.00
538-43045-1014	E	10	Gold	2.82	2.56	2.31
538-43045-1214	E	12	Gold	1.80	1.63	1.50
Vertical, w/ Solder Tabs						
538-43045-0218	F	2	Tin	1.05	.95	.82
538-43045-0418	F	4	Tin	1.15	1.05	.95
538-43045-0618	F	6	Tin	1.35	1.20	1.06
538-43045-0818	F	8	Tin	1.75	1.55	1.40
538-43045-1018	F	10	Tin	1.55	1.45	1.30
538-43045-0220	F	2	Gold	1.25	1.13	1.02
538-43045-0420	F	4	Gold	2.44	2.20	2.08
538-43045-0620	F	6	Gold	1.75	1.60	1.45
538-43045-1020	F	10	Gold	2.15	1.93	1.82
Right Angle, with Snap-In Plastic Peg						
538-43045-0200	G	2	Tin	.45	.40	.33
538-43045-0400	G	4	Tin	.65	.56	.50
538-43045-0600	G	6	Tin	.70	.65	.57
538-43045-0800	G	8	Tin	.90	.78	.70
538-43045-1000	G	10	Tin	1.00	.91	.82
538-43045-1200	G	12	Tin	1.15	1.05	.95
538-43045-1400	G	14	Tin	1.40	1.26	1.14
538-43045-1600	G	16	Tin	1.60	1.45	1.30
538-43045-2000	G	20	Tin	1.80	1.65	1.50
538-43045-0202	G	2	Gold	.65	.58	.52
538-43045-0402	G	4	Gold	.86	.80	.71
538-43045-0602	G	6	Gold	1.25	1.10	.98
538-43045-0802	G	8	Gold	1.35	1.25	1.11
538-43045-1002	G	10	Gold	1.60	1.43	1.28
538-43045-1202	G	12	Gold	1.80	1.65	1.47
538-43045-1402	G	14	Gold	2.05	1.85	1.70
538-43045-2202	G	22	Gold	3.05	2.75	2.60
538-43045-2402	G	24	Gold	3.34	3.01	2.84
Right Angle, w/ Solder Tabs						
538-43045-0209	H	2	Tin	1.00	.86	.78
538-43045-0409	H	4	Tin	1.15	1.05	.95
538-43045-0609	H	6	Tin	1.68	1.52	1.43
538-43045-0211	H	2	Gold	1.62	1.47	1.33
538-43045-0411	H	4	Gold	1.73	1.57	1.42
538-43045-0811	H	8	Gold	3.22	2.90	2.74

minals

s with 43025 series & 43645 series receptacles

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	AWG	Plating	Price Each 1	100	500
ckets						
-43030-0007	C	20-24	Tin	.15	.09	.07
-43030-0010	C	26-30	Tin	.15	.13	.11
-43030-0009	C	20-24	Gold	.16	.10	.09
-43030-0012	C	26-30	Gold	.15	.13	.11
s						
-43031-0007	D	20-24	Tin	.15	.10	.09
-43031-0010	D	26-30	Tin	.15	.09	.07
-43031-0009	D	20-24	Gold	.19	.15	.12
-43031-0012	D	26-30	Gold	.19	.15	.12

ols

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Price Each
-63811-2800	Hand crimp tool	180.33
-11-03-0043	Extraction tool	18.00

MOLEX MICRO-FIT 3.0™ BMI Connectors

Specifications:
- Electrical: 250V
- Current: 5.0A
- Housing: UL94V-0
- Contact: Phosphor Bronze

Features:
- Innovative panel mounting design holds connectors firmly in place
- Fully isolated contacts prevent terminal damage
- Fully polarized to prevent mismating

VERTICAL RECEPTACLE HEADER WITH FRICTION PEGS

Tin Plated — For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm A	Dimensions: mm B	Price Each 1	Price Each 10	Price Each 100
538-44769-0401	44769-0401	A	4	12.00	3.00	2.60	2.31	1.54
538-44769-0601	44769-0601	A	6	15.00	6.00	3.30	2.93	1.95
538-44769-0801	44769-0801	A	8	18.00	9.00	4.00	3.56	2.37
538-44769-1001	44769-1001	A	10	21.00	12.00	4.70	4.17	2.78
538-44769-1201	44769-1201	A	12	24.00	15.00	5.43	4.79	3.19
538-44769-1401	44769-1401	A	14	27.00	18.00	6.00	5.42	3.62
538-44769-1601	44769-1601	A	16	30.00	21.00	6.80	6.00	4.03

Gold Plated — For quantities of 200 and up, call for quote.

538-44769-0402	44769-0402	A	4	12.00	3.00	3.27	2.88	1.92
538-44769-0602	44769-0602	A	6	15.00	6.00	4.15	3.66	2.44
538-44769-0802	44769-0802	A	8	18.00	9.00	5.03	4.44	2.96
538-44769-1002	44769-1002	A	10	21.00	12.00	5.92	5.22	3.48
538-44769-1202	44769-1202	A	12	24.00	15.00	6.78	5.98	3.98
538-44769-1402	44769-1402	A	14	27.00	18.00	7.67	6.76	4.51
538-44769-1602	44769-1602	A	16	30.00	21.00	8.53	7.52	5.01

RIGHT-ANGLE RECEPTACLE HEADER WITH FRICTION PEGS

Tin Plated — For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm A	Dimensions: mm B	Price Each 1	Price Each 10	Price Each 100
538-44764-0401	44764-0401	B	4	6.70	3.00	3.14	2.77	1.84
538-44764-0601	44764-0601	B	6	9.70	6.00	3.98	3.51	2.34
538-44764-0801	44764-0801	B	8	12.70	9.00	4.86	4.28	2.85
538-44764-1001	44764-1001	B	10	15.70	12.00	5.70	5.02	3.35
538-44764-1201	44764-1201	B	12	18.70	15.00	6.54	5.77	3.84
538-44764-1401	44764-1401	B	14	21.70	18.00	7.39	6.52	4.34
538-44764-1601	44764-1601	B	16	24.70	21.00	8.25	7.27	4.85

Gold Plated — For quantities of 200 and up, call for quote.

538-44764-0402	44764-0402	B	4	6.70	3.00	3.92	3.45	2.30
538-44764-0602	44764-0602	B	6	9.70	6.00	4.97	4.38	2.92
538-44764-0802	44764-0802	B	8	12.70	9.00	6.07	5.35	3.57
538-44764-1002	44764-1002	B	10	15.70	12.00	7.11	6.27	4.18
538-44764-1202	44764-1202	B	12	18.70	15.00	8.18	7.22	4.81
538-44764-1402	44764-1402	B	14	21.70	18.00	9.22	8.13	5.42
538-44764-1602	44764-1602	B	16	24.70	21.00	10.29	9.08	6.05

VERTICAL HEADER WITH POLARIZING PEGS

Tin Plated — For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm A	Dimensions: mm B	Price Each 1	Price Each 10	Price Each 100
538-44432-0401	44432-0401	C	4	13.00	3.00	1.88	1.66	1.10
538-44432-0601	44432-0601	C	6	16.00	6.00	2.39	2.10	1.40
538-44432-0801	44432-0801	C	8	19.00	9.00	2.90	2.55	1.70
538-44432-1001	44432-1001	C	10	22.00	12.00	3.40	3.00	2.00
538-44432-1201	44432-1201	C	12	25.00	15.00	3.89	3.43	2.28
538-44432-1401	44432-1401	C	14	28.00	18.00	4.41	3.89	2.59
538-44432-1601	44432-1601	C	16	31.00	21.00	4.91	4.33	2.88

Gold Plated — For quantities of 200 and up, call for quote.

538-44432-0402	44432-0402	C	4	13.00	3.00	2.34	2.06	1.37
538-44432-0602	44432-0602	C	6	16.00	6.00	2.97	2.62	1.74
538-44432-0802	44432-0802	C	8	19.00	9.00	3.61	3.18	2.12
538-44432-1002	44432-1002	C	10	22.00	12.00	4.24	3.74	2.49
538-44432-1202	44432-1202	C	12	25.00	15.00	4.85	4.28	2.85
538-44432-1402	44432-1402	C	14	28.00	18.00	5.50	4.85	3.23
538-44432-1602	44432-1602	C	16	31.00	21.00	6.11	5.39	3.59

RIGHT-ANGLE HEADER WITH SNAP-IN PLASTIC PEG

Tin Plated — For quantities of 200 and up, call for quote.

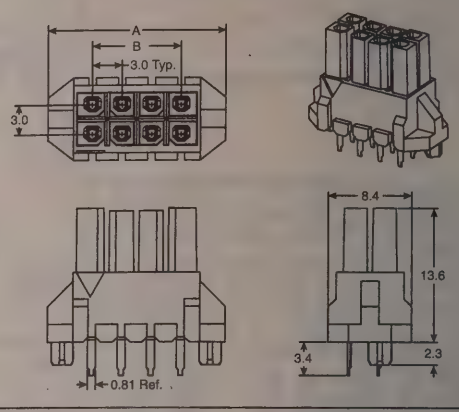
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm A	Dimensions: mm B	Price Each 1	Price Each 10	Price Each 100
538-44428-0401	44428-0401	D	4	13.00	3.00	2.27	1.99	1.33
538-44428-0601	44428-0601	D	6	16.00	6.00	2.86	2.52	1.68
538-44428-0801	44428-0801	D	8	19.00	9.00	3.49	3.08	2.05
538-44428-1001	44428-1001	D	10	22.00	12.00	4.10	3.61	2.40
538-44428-1201	44428-1201	D	12	25.00	15.00	4.70	4.14	2.76
538-44428-1401	44428-1401	D	14	28.00	18.00	5.31	4.68	3.12
538-44428-1601	44428-1601	D	16	31.00	21.00	5.92	5.22	3.48

Gold Plated — For quantities of 200 and up, call for quote.

538-44428-0402	44428-0402	D	4	13.00	3.00	2.83	2.49	1.66
538-44428-0602	44428-0602	D	6	16.00	6.00	3.57	3.15	2.10
538-44428-0802	44428-0802	D	8	19.00	9.00	4.36	3.84	2.56
538-44428-1002	44428-1002	D	10	22.00	12.00	5.10	4.50	2.99
538-44428-1202	44428-1202	D	12	25.00	15.00	5.86	5.16	3.44
538-44428-1402	44428-1402	D	14	28.00	18.00	6.62	5.83	3.89
538-44428-1602	44428-1602	D	16	31.00	21.00	7.38	6.51	4.34

DIMENSIONS: mm

A



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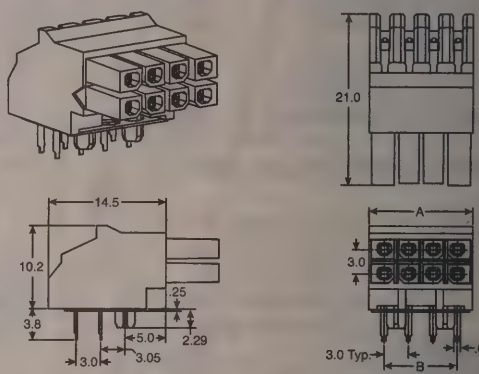

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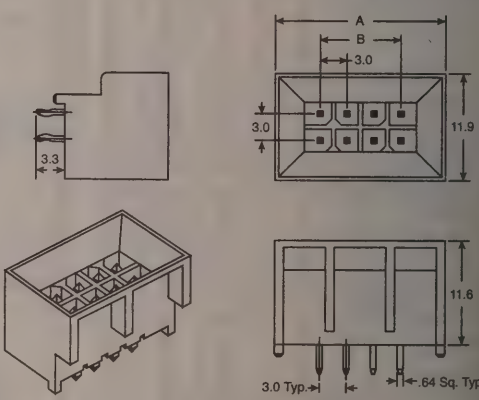

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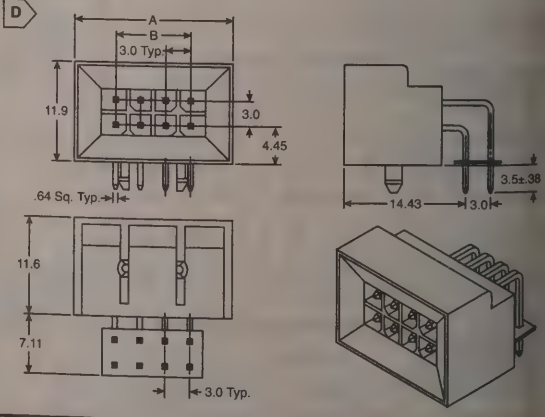
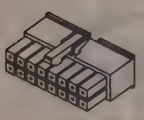


MOUSER ELECTRONICS a tti company

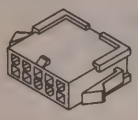
(800) 346-6873

MOLEX Mini-Fit Jr.™ Connectors

molex


Dual Row Illustrated

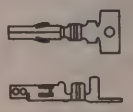
B


Dual Row Illustrated

C

Single Row Illustrated

D



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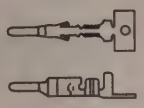

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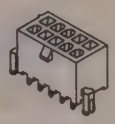

Dual Row Illustrated

MI-FIT JR.™ CONNECTORS

-wire and wire-to-board versions. The mated length of the wire-to-wire version is less than 1 3/8" while the wire-to-board version is less than 15/16". Despite it's small size it can handle the I/O currents of most standard equipment. re high density, high current power connectors.

ifications:
n: 4.2mm(.165")
ent: up to 9A
- Contact resistance: 10mΩ
- Voltage: 600V
- Housing: 6/6 nylon
- Temperature: -40 to +105°C

Features:
- Positive housing locks
- Fully isolated terminals
- Intermateable with Mini-Fit BMI, SMC, CPI
- Contacts sold separately

UL

eptacles and Plugs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Circuits	UL Rating	Price Each 1	10	100
eptacles, Single Row 5557 Series						
39-01-4030	A	3	94V-2	.46	.37	.27
39-01-4031	A	3	94V-0	.86	.70	.50
39-01-4040	A	4	94V-2	.54	.44	.31
39-01-4041	A	4	94V-0	.56	.46	.32
39-01-4050	A	5	94V-2	.57	.47	.33
39-01-4051	A	5	94V-0	.97	.79	.57
eptacles, Dual Row 5557d Series						
39-01-2020	A	2	94V-2	.40	.35	.23
39-01-2025	A	2	94V-0	.71	.58	.42
39-01-2040	A	4	94V-2	.44	.38	.25
39-01-2045	A	4	94V-0	.63	.47	.32
39-01-2060	A	6	94V-2	.53	.46	.30
39-01-2065	A	6	94V-0	.90	.73	.53
39-01-2080	A	8	94V-2	.58	.47	.34
39-01-2085	A	8	94V-0	.99	.81	.58
39-01-2100	A	10	94V-2	.68	.59	.39
39-01-2105	A	10	94V-0	1.17	.95	.68
39-01-2120	A	12	94V-2	.75	.66	.44
39-01-2125	A	12	94V-0	1.26	1.03	.74
39-01-2140	A	14	94V-2	.90	.79	.52
39-01-2145	A	14	94V-0	1.44	1.18	.85
39-01-2160	A	16	94V-2	.91	.80	.53
39-01-2165	A	16	94V-0	1.80	1.47	1.06
39-01-2180	A	18	94V-2	1.21	.99	.71
39-01-2185	A	18	94V-0	2.03	1.65	1.19
39-01-2200	A	20	94V-2	1.33	1.09	.78
39-01-2205	A	20	94V-0	2.13	1.73	1.25
39-01-2240	A	24	94V-2	1.36	1.11	.80
39-01-2245	A	24	94V-0	2.09	1.70	1.23
gs - Panel Mount, Single Row 5559s Series						
39-01-4032	B	3	94V-2	.50	.44	.29
39-01-4052	B	5	94V-2	.56	.45	.32
gs - Panel Mount, Dual Row 5559d Series						
39-01-2021	B	2	94V-2	.47	.42	.27
39-01-2026	B	2	94V-0	.82	.66	.48
39-01-2041	B	4	94V-2	.50	.46	.30
39-01-2061	B	6	94V-2	.55	.47	.31
39-01-2081	B	8	94V-2	.59	.50	.35
39-01-2101	B	10	94V-2	.69	.62	.41
39-01-2106	B	10	94V-0	.79	.70	.59
39-01-2121	B	12	94V-2	.72	.65	.43
39-01-2126	B	12	94V-0	.89	.79	.70
39-01-2141	B	14	94V-2	.79	.55	.42
39-01-2161	B	16	94V-2	.80	.64	.55
gs - Free Hanging, Single Row 5559s Series						
39-01-4036	C	3	94V-2	.50	.42	.29
39-01-4037	C	3	94V-0	.53	.47	.32
39-01-4056	C	5	94V-2	.57	.49	.35
gs - Free Hanging, Dual Row 5559d Series						
39-01-3023	C	2	94V-2	.32	.24	.18
39-01-3029	C	2	94V-0	.70	.35	.30
39-01-3043	C	4	94V-2	.42	.26	.18
39-01-3049	C	4	94V-0	.75	.50	.38
39-01-3063	C	6	94V-2	.69	.42	.24
39-01-3069	C	6	94V-0	.74	.49	.45
39-01-3083	C	8	94V-2	.70	.55	.35
39-01-3089	C	8	94V-0	.78	.65	.52
39-01-3103	C	10	94V-2	.72	.60	.48
39-01-3163	C	16	94V-2	.98	.94	.66

ain Reliefs - 41995 Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	No. of Circuits	Price Each 1	10	100
8-15-04-0340	2	1.08	.98	.73
8-15-04-0294	4	1.10	1.00	.75
8-15-04-0296	6	1.11	1.05	1.00
8-15-04-0343	8	1.21	1.14	1.03
8-15-04-0345	12	1.22	1.16	1.05

Contacts

Plating:
- a - Tin over Copper
- b - Tin over Brass
- c - Gold over Brass
- d - Gold over Phosphor Bronze
- e - Tin over Phosphor Bronze

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Style	Plating	Wire Size	Price Each 1	100	500
Standard 44476/44478 Series Crimp Terminals							
538-44476-3112	D	Female	a	16	.17	.15	.13
538-44476-1112	D	Female	a	18-20	.17	.15	.13
538-44478-3112	E	Male	a	16	.20	.18	.16
538-44478-1112	E	Male	a	18-20	.20	.18	.16
Standard 5556/5558 Series Crimp Terminals							
538-39-00-0078	D	Socket	b	16	.17	.15	.13
538-39-00-0090	D	Socket	c	16	.46	.38	.32
538-39-00-0168	D	Socket	c	16	.46	.38	.32
538-39-00-0186	D	Socket	d	16	.49	.45	.39
538-39-00-0080	D	Socket	e	16	.18	.16	.14
538-39-00-0039	D	Socket	b	18-24	.09	.06	.05
538-39-00-0164	D	Socket	c	18-24	.46	.38	.32
538-39-00-0182	D	Socket	d	18-24	.49	.45	.39
538-39-00-0060	D	Socket	e	18-24	.18	.16	.14
538-39-00-0047	D	Socket	b	22-28	.09	.06	.05
538-39-00-0086	D	Socket	c	22-28	.46	.38	.32
538-39-00-0184	D	Socket	d	22-28	.49	.45	.39
538-39-00-0082	E	Pin	b	16	.18	.16	.14
538-39-00-0041	E	Pin	b	18-24	.09	.06	.05
538-39-00-0054	E	Pin	c	18-24	.46	.38	.32
538-39-00-0220	E	Pin	d	18-24	.49	.45	.39
538-39-00-0049	E	Pin	b	22-28	.10	.07	.06
538-39-00-0088	E	Pin	c	22-28	.46	.38	.32
538-39-00-0222	E	Pin	d	24-28	.49	.45	.39

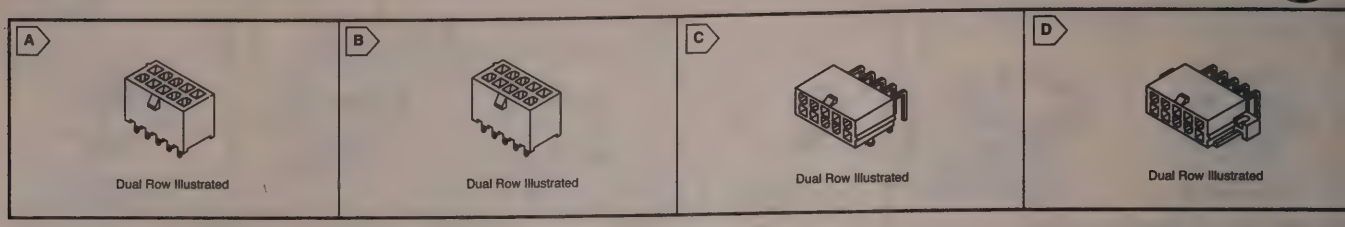
PCB Headers

- Contact Included

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Circuits	UL Rating	Contact Plating	Price Each 1	10	100
Vertical, Single Row with Pegs 5566 Series							
538-39-30-1039	F	3	94V-2	Tin	1.00	.82	.59
538-39-30-2031	F	3	94V-2	Gold	1.64	1.23	1.03
538-39-30-2050	F	5	94V-0	Tin	1.22	.91	.76
Vertical, Single Row with Pegs and Drain Holes 5566 Series							
538-39-30-2035	F	3	94V-2	Tin	.67	.50	.42
538-39-30-2045	F	4	94V-2	Tin	1.17	1.10	.93
538-39-30-2047	F	4	94V-2	Gold	1.81	1.35	1.13
538-39-30-2056	F	5	94V-0	Tin	1.61	1.52	1.03
538-39-30-2058	F	5	94V-0	Gold	2.46	1.84	1.54
Vertical, Dual Row with Pegs 5566 Series							
538-39-29-9025	F	2	94V-2	Gold	.98	.74	.61
538-39-29-9043	F	4	94V-2	Tin	.75	.64	.57
538-39-29-9047	F	4	94V-0	Tin	.56	.51	.46
538-39-29-9163	F	16	94V-2	Tin	1.93	1.45	1.21
538-39-29-9243	F	24	94V-2	Tin	2.90	2.18	1.81
Vertical, Dual Row with Pegs and Drain Holes 5566 Series							
538-39-29-9042	F	4	94V-2	Tin	.65	.58	.51
538-39-29-9046	F	4	94V-0	Tin	.86	.64	.54
538-39-28-9048	F	4	94V-0	Gold	2.39	1.79	1.49
538-39-29-9062	F	6	94V-2	Tin	.83	.74	.65
538-39-29-9066	F	6	94V-0	Tin	.63	.57	.52
538-39-28-9068	F	6	94V-0	Gold	2.73	2.05	1.71
538-39-29-9086	F	8	94V-0	Tin	.67	.59	.53
538-39-28-9088	F	8	94V-0	Gold	3.36	2.52	2.10
538-39-29-9102	F	10	94V-2	Tin	.83	.76	.68
538-39-29-9146	F	14	94V-0	Tin	1.47	1.23	.98
538-39-29-9162	F	16	94V-2	Tin	1.95	1.47	1.22
538-39-29-9202	F	20	94V-2	Tin	1.39	1.05	.87
538-39-29-9206	F	20	94V-0	Tin	2.53	1.90	1.58
538-39-29-9242	F	24	94V-2	Tin	2.18	1.82	1.31
538-39-29-9246	F	24	94V-0	Tin	2.05	1.72	1.24

MOLEX Mini-Fit Jr.™ & Mini-Fit CPI™ Connectors



MINI-FIT JR.™ CONNECTORS

Wire-to-wire and wire-to-board versions. The mated length of the wire-to-wire version is less than 1 3/8" while the wire-to-board version is less than 15/16". Despite it's small size it can handle the I/O currents of most standard equipment. They are high density, high current power connectors.

Specifications:
- Pitch: 4.2mm(.165")
- Current: up to 9A
- Contact resistance: 10mΩ
- Voltage: 600V
- Housing: 6/6 nylon
- Temperature: -40 to +105°C

Features:
- Positive housing locks
- Fully isolated terminals
- Intermateable with Mini-Fit BMI, SMC, CPI
- Contacts sold separately

PCB Headers (Cont.)

- Contact Included

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Circuits	UL Rating	Contact Plating	Price Each 1	10	100
Vertical, Dual Row without Pegs, with Drain Holes 5566 Series							
538-39-31-0028	A	2	94V-0	Gold	.79	.72	.65
538-39-31-0040	A	4	94V-0	Tin	.74	.63	.40
538-39-31-0048	A	4	94V-0	Gold	1.22	.97	.88
538-39-29-3066	A	6	94V-2	Tin	.63	.57	.52
538-39-31-0060	A	6	94V-0	Tin	.79	.72	.58
538-39-29-3106	A	10	94V-2	Tin	.92	.84	.68
538-39-31-0108	A	10	94V-0	Gold	3.18	2.65	2.12
538-39-29-3166	A	16	94V-2	Tin	2.12	1.59	1.32
538-39-29-3206	A	20	94V-2	Tin	1.49	1.36	1.23
Vertical, Dual Row without Pegs or Drain Holes 5566 Series							
538-39-28-1023	B	2	94V-2	Tin	.77	.72	.45
538-39-28-8020	B	2	94V-0	Tin	.58	.49	.42
538-39-29-0023	B	2	94V-2	Gold	.95	.73	.62
538-39-28-1043	B	4	94V-2	Tin	.99	.85	.58
538-39-28-8040	B	4	94V-0	Tin	1.18	.99	.69
538-39-29-0043	B	4	94V-2	Gold	1.63	1.22	1.02
538-39-28-1063	B	6	94V-2	Tin	1.34	1.11	.79
538-39-28-8060	B	6	94V-0	Tin	1.69	1.48	.99
538-39-29-0063	B	6	94V-2	Gold	1.80	1.50	1.18
538-39-28-1083	B	8	94V-2	Tin	1.52	1.27	.91
538-39-28-8080	B	8	94V-0	Tin	2.13	1.33	.90
538-39-28-1103	B	10	94V-2	Tin	1.78	1.55	1.01
538-39-28-8100	B	10	94V-0	Tin	1.69	1.26	1.05
538-39-29-0103	B	10	94V-2	Gold	3.72	2.79	2.32
538-39-28-1123	B	12	94V-2	Tin	1.90	1.61	1.13
538-39-28-8120	B	12	94V-0	Tin	2.10	1.84	1.36
538-39-28-1143	B	14	94V-2	Tin	2.40	2.14	1.50
538-39-28-1163	B	16	94V-2	Tin	2.66	2.37	1.66
538-39-28-1183	B	18	94V-2	Tin	2.18	1.64	1.36
538-39-28-1203	B	20	94V-2	Tin	2.42	1.81	1.51
538-39-28-8200	B	20	94V-0	Tin	2.83	2.12	1.77
538-39-28-1243	B	24	94V-2	Tin	2.77	2.08	1.73
Right Angle, Single Row with Pegs 5569 Series							
538-39-30-3035	C	3	94V-2	Tin	1.20	1.06	.70
538-39-30-3036	C	3	94V-0	Tin	1.25	1.10	.80
538-39-30-3038	C	3	94V-0	Gold	1.40	1.16	.92
538-39-30-3045	C	4	94V-2	Tin	1.07	1.01	.57
538-39-30-3047	C	4	94V-2	Gold	1.31	1.10	.87
538-39-30-3055	C	5	94V-2	Tin	1.62	1.42	.95
538-39-30-3056	C	5	94V-0	Tin	1.34	1.01	.84
538-39-30-3058	C	5	94V-2	Gold	1.91	1.60	1.27
Right Angle, Dual Row with Pegs 5569 Series							
538-39-30-1020	C	2	94V-2	Tin	.68	.65	.63
538-39-30-0020	C	2	94V-0	Tin	.73	.55	.36

PCB Headers (Cont.)

- Contact Included

For quantities of 500 and up, call for quot

MOUSER STOCK NO.	Fig.	No. of Circuits	UL Rating	Contact Plating	Price Each 1	10	100
Right Angle, Dual Row with Pegs 5569 Series (Cont.)							
538-39-30-1040	C	4	94V-2	Tin	.70	.53	.35
538-39-30-0040	C	4	94V-0	Tin	.91	.68	.46
538-39-30-1060	C	6	94V-2	Tin	.88	.66	.44
538-39-30-0060	C	6	94V-0	Tin	1.14	.85	.57
538-39-30-1080	C	8	94V-2	Tin	1.04	.78	.52
538-39-30-0080	C	8	94V-0	Tin	1.28	.96	.65
538-39-30-1082	C	8	94V-2	Gold	1.46	1.32	1.24
538-39-30-1100	C	10	94V-2	Tin	1.28	.96	.64
538-39-30-0100	C	10	94V-0	Tin	1.67	1.26	.84
538-39-30-1120	C	12	94V-2	Tin	1.52	1.14	.76
538-39-30-0120	C	12	94V-0	Tin	1.97	1.48	1.23
538-39-30-1121	C	12	94V-0	Gold	3.03	2.27	1.52
538-39-30-1140	C	14	94V-2	Tin	1.70	1.28	.85
538-39-30-1142	C	14	94V-0	Gold	5.21	3.91	3.26
538-39-30-1160	C	16	94V-2	Tin	1.98	1.49	1.00
538-39-30-0160	C	16	94V-0	Tin	2.70	2.02	1.35
538-39-30-1162	C	16	94V-0	Gold	6.04	4.53	3.78
538-39-30-1180	C	18	94V-2	Tin	2.34	1.76	1.46
538-39-30-1200	C	20	94V-2	Tin	1.88	1.60	1.41
538-39-30-0200	C	20	94V-0	Tin	1.72	1.55	1.46
538-39-30-1240	C	24	94V-2	Tin	2.77	2.52	2.36
Right Angle, Dual Row with Flanges 5569 Series							
538-39-29-1028	D	2	94V-2	Tin	.58	.44	.29
538-39-29-1027	D	2	94V-0	Tin	.77	.58	.39
538-39-29-1048	D	4	94V-2	Tin	.74	.55	.37
538-39-29-1047	D	4	94V-0	Tin	1.00	.75	.51
538-39-29-1068	D	6	94V-2	Tin	.96	.72	.48
538-39-29-1088	D	8	94V-2	Tin	1.13	.85	.57
538-39-29-1108	D	10	94V-2	Tin	1.42	1.06	.71
538-39-29-1128	D	12	94V-2	Tin	1.60	1.19	.80
538-39-29-1148	D	14	94V-2	Tin	1.96	1.47	1.23
538-39-29-1168	D	16	94V-2	Tin	2.27	1.71	1.14
538-39-29-1208	D	20	94V-2	Tin	3.04	2.28	1.90

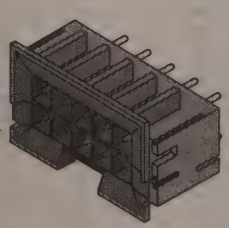
Tools

MOUSER STOCK NO.	Description	Wire Size AWG	Price Each
538-11-01-0199	Hand Crimp Tool	16	169.70
538-11-01-0197	Hand Crimp Tool	18-24	169.70
538-11-01-0198	Hand Crimp Tool	22-28	169.70
538-11-03-0044	Extraction Tool	- - -	17.00

MINI-FIT CPI™ COMPLIANT PIN INTERFACE HEADERS

Specifications:
- Pitch: 4.2mm (.165")
- Current: up to 8.0A max.
- Contact Resistance: 10mΩ max.
- Voltage: 600V
- Housing: 4/6 Nylon
- Temperature: -40°C to +105°C

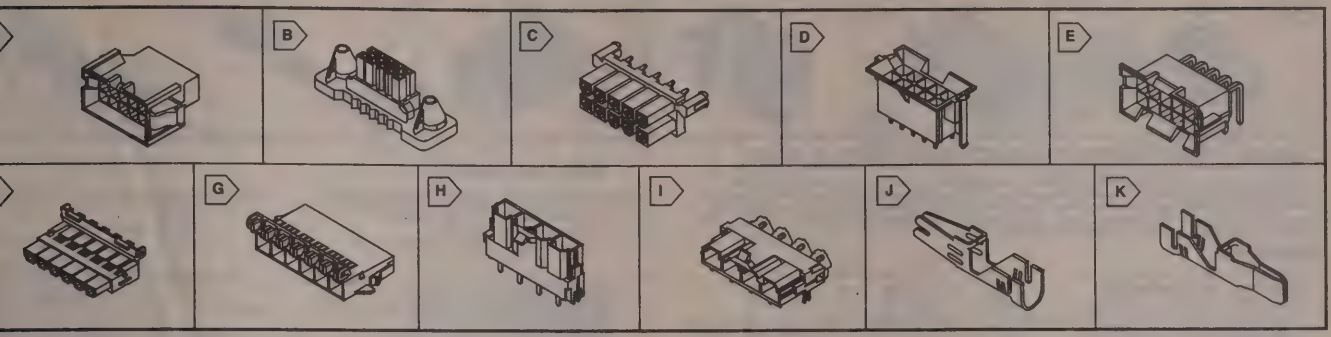
Features:
- Press-fit pin requiring no soldering
- Blind mating vertical header
- Designed for multiple board thicknesses of .094" and greater
- Mates with 42385, 42474 and 5557 Series Receptacles



For quantities of 500 and up, call for quot

MOUSER STOCK NO.	No. of Circuits	UL Rating	Contact Plating	Price Each 1	10	100
43879 Series						
538-43879-0022	4	94V-0	Tin	3.44	3.32	2.58
538-43879-0033	4	94V-0	Gold	6.07	5.87	4.56
538-43879-0023	6	94V-0	Tin	4.23	4.09	3.17
538-43879-0025	10	94V-0	Tin	4.33	4.18	3.24
538-43879-0036	10	94V-0	Gold	10.99	10.62	8.24
538-43879-0027	14	94V-0	Tin	8.13	7.86	6.10
538-43879-0029	18	94V-0	Tin	7.45	7.21	5.59
538-43879-0040	18	94V-0	Gold	18.03	17.43	13.52
538-43879-0032	24	94V-0	Tin	9.91	9.58	7.43
538-43879-0043	24	94V-0	Gold	23.98	23.18	17.99

MOUSER ELECTRONICS a tti company (800) 346-6873



NI-FIT BMI™ (BLIND MATING SYSTEM) ONNECTORS - 4.20MM (.165") PITCH

ures:
- ly isolated terminals to tect contacts from damage
- es standard Mini-Fit series terminals
- al Row

Specifications:
- Housing: 6/6 Nylon
- 600V rating
- Temperature: -40 to +105°C

ing:
n, select gold b) Post-plated Tin over nickel

gs - Dual Row

For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	No. of Circuits	Plating	Contact	Price Each 1	10	100	500
h Panel Mount Ears, UL94V-2, 42475 Series									
-15-06-0045	15-06-0045	A	4	---	---	.34	.31	.28	.26
-15-06-0065	15-06-0065	A	6	---	---	.36	.33	.30	.27
-15-06-0085	15-06-0085	A	8	---	---	.41	.34	.27	.25
-15-06-0105	15-06-0105	A	10	---	---	.46	.42	.38	.35
-15-06-0145	15-06-0145	A	14	---	---	.66	.60	.54	.50
-15-06-0185	15-06-0185	A	18	---	---	1.32	1.11	.89	.80
-15-06-0205	15-06-0205	A	20	---	---	1.34	1.12	.90	.81
-15-06-0245	15-06-0245	A	24	---	---	1.03	.86	.69	.62

ceptacles - Dual Row

h Panel Mount Ears, UL94V-2, 42474 Series									
-15-06-0040	15-06-0040	B	4	---	---	.40	.37	.33	.31
-15-06-0060	15-06-0060	B	6	---	---	.42	.39	.35	.32
-15-06-0080	15-06-0080	B	8	---	---	.59	.49	.39	.34
-15-06-0100	15-06-0100	B	10	---	---	.70	.64	.57	.53
-15-06-0140	15-06-0140	B	14	---	---	.95	.87	.78	.73
-15-06-0180	15-06-0180	B	18	---	---	1.16	.97	.78	.70
-15-06-0240	15-06-0240	B	24	---	---	1.48	1.23	.99	.89
-43760-0001	43760-0001	B	36	---	---	2.97	2.47	1.98	1.69
h Panel Mount Ears, UL94V-0, 42474 Series									
-15-06-0041	15-06-0041	B	4	---	---	.58	.48	.38	.33
-15-06-0061	15-06-0061	B	6	---	---	.70	.59	.47	.42
-15-06-0101	15-06-0101	B	10	---	---	.84	.70	.55	.50
-15-06-0141	15-06-0141	B	14	---	---	1.09	.91	.72	.65
-15-06-0181	15-06-0181	B	18	---	---	1.58	1.32	1.06	.95
-15-06-0241	15-06-0241	B	24	---	---	1.98	1.65	1.32	1.18

CB HEADERS

ceptacle Headers, Vertical, UL94V-2, 42385 Series									
-15-24-7040	15-24-7040	C	4	b	Brass	1.94	1.71	1.14	.91
-15-24-7060	15-24-7060	C	6	b	Brass	2.13	1.71	1.23	1.01
-15-24-7100	15-24-7100	C	10	b	Brass	2.97	2.43	1.76	1.41
-15-24-7140	15-24-7140	C	14	b	Brass	3.28	2.83	1.61	1.33
-15-24-7180	15-24-7180	C	18	b	Brass	2.51	2.09	1.67	1.42
-15-24-7240	15-24-7240	C	24	b	Brass	3.35	2.78	2.23	1.90
ceptacle Headers, Vertical, UL94V-0, 42385 Series									
-15-24-7061	15-24-7061	C	6	b	Brass	.81	.73	.69	.65
-15-24-7101	15-24-7101	C	10	b	Brass	1.22	1.10	1.04	.98
-15-24-7141	15-24-7141	C	14	b	Brass	1.58	1.42	1.34	1.27
-15-24-7241	15-24-7241	C	24	b	Brass	2.63	2.37	2.24	2.11
tical Headers, with Drainholes, UL94V-2, 42440 Series									
-15-24-6046	15-24-6046	D	4	a	Brass	1.68	1.62	1.55	1.48
-15-24-6066	15-24-6066	D	6	a	Brass	2.34	2.24	2.06	1.10
-15-24-6106	15-24-6106	D	10	a	Brass	2.66	2.55	1.65	1.32
tical Headers, with Drainholes, UL94V-0, 42440 Series									
-15-24-6107	15-24-6107	D	10	a	Brass	1.28	1.03	.92	.87
-15-24-6147	15-24-6147	D	14	a	Brass	1.66	1.33	1.20	1.13

PCB HEADERS (Cont.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Plating	Contact	Price Each 1	10	100	500
Right Angle Headers, UL94V-2, 42404 Series									
538-15-24-6040	15-24-6040	E	4	a	Brass	1.06	.79	.66	.53
538-15-24-6060	15-24-6060	E	6	a	Brass	1.51	1.14	.76	.68
538-15-24-6140	15-24-6140	E	14	a	Brass	1.97	1.32	1.18	1.05
538-15-24-6180	15-24-6180	E	18	a	Brass	1.85	1.67	1.51	1.48
538-15-24-6240	15-24-6240	E	24	a	Brass	2.35	2.11	2.00	1.88
Right Angle Headers, UL94V-0, 42404 Series									
538-15-24-9064	15-24-9064	E	6	a	Brass	.90	.78	.74	.70
538-15-24-9104	15-24-9104	E	10	a	Brass	1.26	1.14	1.08	1.01
538-15-24-9144	15-24-9144	E	14	a	Brass	1.60	1.45	1.37	1.28
538-15-24-9244	15-24-9244	E	24	a	Brass	2.74	2.46	2.33	2.19

MINI-FIT, SR.™ CONNECTORS - 10.00MM (.393") PITCH

Features:
- High Current
- Fully polarized
- Positive Locks
- Low engagement force
- Wire-to-wire, wire-to-board
- Single Row

Specifications:
- Plating: Tin/Lead over Nickel
- Contact: Copper Alloy
- Receptacles/Plugs: Polyester, UL94V-0
- Headers: Glass-filled, 4/6 Nylon, UL94V-0
- Voltage: 600V
- Temperature: -40 to +105°C

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each 1	10	100	500
Receptacles, 42816 Series							
538-42816-0212	42816-0212	F	2	.87	.80	.71	.66
538-42816-0312	42816-0312	F	3	.97	.89	.80	.75
538-42816-0412	42816-0412	F	4	1.09	.99	.90	.83
538-42816-0512	42816-0512	F	5	1.19	1.09	.98	.91
538-42816-0612	42816-0612	F	6	1.30	1.19	1.07	1.00
Plugs, 42818 Series							
538-42818-0212	42818-0212	G	2	.93	.85	.77	.71
538-42818-0312	42818-0312	G	3	1.04	.95	.86	.80
538-42818-0412	42818-0412	G	4	1.08	.99	.89	.83
538-42818-0512	42818-0512	G	5	1.19	1.09	.98	.91
538-42818-0612	42818-0612	G	6	1.87	1.71	1.34	1.08
Vertical Header with Metal Clip Mount, SMT, 42819 Series							
538-42819-2212	42819-2212	H	2	1.99	1.81	1.64	1.58
538-42819-3212	42819-3212	H	3	2.58	2.35	2.12	1.97
538-42819-4212	42819-4212	H	4	3.26	2.97	2.68	2.49
538-42819-5212	42819-5212	H	5	3.39	3.09	2.79	2.59
538-42819-6212	42819-6212	H	6	4.86	4.43	4.00	3.22
Right Angle Header with Metal Clip Mount, SMT, 42820 Series							
538-42820-3212	42820-3212	I	3	2.58	2.35	2.12	1.97
538-42820-4212	42820-4212	I	4	4.36	3.98	3.59	3.33
538-42820-5212	42820-5212	I	5	7.80	7.11	6.42	5.96
538-42820-6212	42820-6212	I	6	7.39	6.73	6.08	4.80

MINI-FIT, SR.™ TERMINALS

- High Current
- Low Engagement Force
- Female: four points of electrical contact

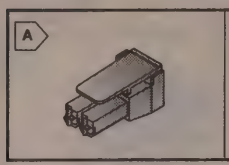
For quantities of 1000 and up, call for quote.

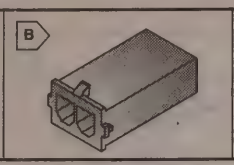
MOUSER STOCK NO.	Molex Part No.	Fig.	AWG	Price Each 1	10	100	500
Female, 42815 Series							
538-42815-0011	42815-0011	J	10, 12	.36	.33	.30	.27
538-42815-0031	42815-0031	J	8, 12+12	.36	.33	.30	.27
Male, 42817 Series							
538-42817-0011	42817-0011	K	10, 12	.36	.33	.30	.27
538-42817-0031	42817-0031	K	8, 12+12	.36	.33	.30	.27

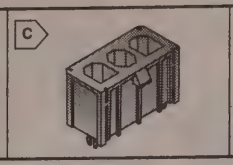
TOOLS FOR MINI-FIT, SR.™

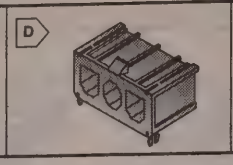
MOUSER STOCK NO.	Molex Part No.	Description	Price Each
538-63811-1500	63811-1500	Hand Crimp Tool 8 AWG	369.00
538-63811-1600	63811-1600	Hand Crimp Tool 10-12 AWG	369.00
538-63813-0400	63813-0400	Extraction Tool	72.00

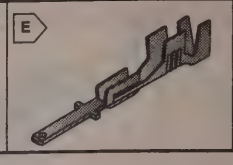
MOLEX 7.50mm Sabre™ & 5.08mm Disk Drive Connectors











7.50MM PITCH SABRE CONNECTORS-SINGLE ROW

The Sabre system is a robust power connector supplying up to 18 amperes for high current applications. Designed and patented by Molex engineers, Sabre standardizes manufacturing footprints by offering both wire-to-wire and wire-to-board configurations. The terminal is designed with a Terminal Position Assurance (TPA) feature that virtually eliminates terminal backout. Activation of the TPA feature is optional. The positive locking latch on the receptacle housing prevents accidental disconnection.

Receptacles

- Polarized housing assures proper mating
- Terminals are fully isolated in housing
- Housing: Nylon, UL94V-0
- Mates with: 43160 series header and 43680 series plug
- Temperature:-40° to +75°C
- Voltage: 1000V
- Current: 18.0A

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each 1	10	100	500
538-44441-2002	44441-2002	A	2	.93	.82	.54	.43
538-44441-2003	44441-2003	A	3	1.08	.95	.63	.51
538-44441-2004	44441-2004	A	4	1.23	1.09	.72	.58
538-44441-2005	44441-2005	A	5	1.44	1.27	.84	.67
538-44441-2006	44441-2006	A	6	1.63	1.43	.95	.76

Plugs

- Wire-to-Wire
- Anti-tangle latch protects harness wires
- Polarized housing assures proper mating
- Terminals are fully isolated in housing
- Housing: Nylon, UL94V-0
- Mates with: 44441 series receptacle
- Temperature:-40° to +75°C
- Voltage: 1000V
- Current: 18.0A

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each 1	10	100	500
538-43680-2002	43680-2002	B	2	.93	.82	.54	.43
538-43680-2003	43680-2003	B	3	1.08	.95	.63	.51
538-43680-2004	43680-2004	B	4	1.23	1.09	.72	.58
538-43680-2005	43680-2005	B	5	1.44	1.27	.84	.67
538-43680-2006	43680-2006	B	6	1.63	1.43	.95	.76

Vertical Headers

- Wire-to-Board Header
- Accommodates .062 board thickness
- Surface Mount Compatible
- Housing: Black glass-filled nylon, UL94V-0
- Positive Lock
- Fully Polarized
- Contact: Brass
- Plating: Tin
- PCB Thickness: 3.81mm
- Mates with: 44441 series housing
- Temperature:-40° to +75°C
- Voltage: 1000V
- Current: 18.0A

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Description	Price Each 1	10	100	500
538-43160-0102	43160-0102	C	2	without board lock	1.71	1.40	1.00	.80
538-43160-0103	43160-0103	C	3	without board lock	2.35	1.93	1.38	1.10
538-43160-0104	43160-0104	C	4	without board lock	2.46	2.02	1.44	1.15
538-43160-0105	43160-0105	C	5	without board lock	2.85	2.34	1.67	1.33
538-43160-0106	43160-0106	C	6	without board lock	3.22	2.64	1.89	1.51
538-43160-2102	43160-2102	C	2	with board lock	1.90	1.56	1.11	.89
538-43160-2103	43160-2103	C	3	with board lock	2.29	1.88	1.34	1.07
538-43160-2104	43160-2104	C	4	with board lock	2.77	2.28	1.63	1.30
538-43160-2105	43160-2105	C	5	with board lock	3.18	2.61	1.81	1.49
538-43160-2106	43160-2106	C	6	with board lock	3.56	2.93	2.09	1.67

Right Angle Headers

- Wire-to-wire or wire-to-board connector system
- Accommodates .062 board thickness
- Surface Mount Compatible
- Housing: Black glass-filled nylon, UL94V-0
- Contact: Brass
- Plating: Tin
- PCB Thickness: 3.81mm
- Mates with: 44441 series housing

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Description	Price Each 1	10	100	500
538-43160-1102	43160-1102	D	2	without board lock	2.00	1.76	1.17	.93
538-43160-1103	43160-1103	D	3	without board lock	2.43	2.14	1.42	1.14
538-43160-1104	43160-1104	D	4	without board lock	2.85	2.51	1.67	1.34
538-43160-1105	43160-1105	D	5	without board lock	3.29	2.90	1.93	1.54
538-43160-1106	43160-1106	D	6	without board lock	3.72	3.28	2.18	1.75
538-43160-3102	43160-3102	D	2	with board lock	2.27	2.00	1.33	1.06
538-43160-3103	43160-3103	D	3	with board lock	2.72	2.39	1.59	1.27
538-43160-3104	43160-3104	D	4	with board lock	3.18	2.81	1.87	1.49
538-43160-3105	43160-3105	D	5	with board lock	3.59	3.16	2.11	1.68
538-43160-3106	43160-3106	D	6	with board lock	4.08	3.59	2.39	1.91

Terminals

- Virtually eliminates terminal backout
- No secondary plastic parts needed
- Four points of electrical contact
- Accommodates single or double wire crimps
- Contact: Brass
- 43375: female
- 43178: male
- Voltage: 1000V
- Current: 18.0A max.
- Plating: Tin
- Female terminal mates with: 43160 series headers, 43680 series plug housing and 43178 series terminals
- Male terminal mates with: 43375 series terminal and 44441 series receptacle housing

For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Max. Ins. Dia. Inch (mm)	Price Each 1	10	100	500
538-43178-1002	43178-1002	E	18	(.130) 3.30	.18	.16	.12	.11
*538-43178-2002	43178-2002	E	14-18	(.180) 4.57	.18	.16	.12	.11
538-43375-0001	43375-0001	F	14-18	(.130) 3.30	.15	.13	.09	.08
*538-43375-1001	43375-1001	F	14-18	(.180) 4.57	.15	.13	.09	.08

*Accommodates single 14, 16 or 18 AWG wire crimps, or double 18 AWG wire crimps

Tools

MOUSER STOCK NO.	Molex Part No.	Wire Size (AWG)	Style	Description	Price Each 1	5
538-63811-0400	63811-0400	14-18	Female	Crimp Tool	256.18	237.88
538-63811-0600	63811-0600	18	Male	Crimp Tool	255.46	237.21
538-63813-0500	63813-0500	--	Female	Extraction Tool	19.85	18.43
538-63813-0800	63813-0800	--	Male	Extraction Tool	66.97	62.18

5.08MM (.200") PITCH DISK DRIVE POWER CONNECTION SYSTEMS

Female Crimp Housing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Positions	Price Each 1	10	100
538-15-24-4048	15-24-4048	A	4	.57	.51	.46

Female Crimp Terminal

- Plating: Tin
- Contact: Phosphor Bronze
- Detents provide firm and positive fit.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Wire Size (AWG)	Price Each 1	10	100
538-02-08-1202	02-08-1202	14, 16, 18, 20	.27	.23	.15

Tools

MOUSER STOCK NO.	Molex Part No.	Description	Price Each 1	5
538-11-01-0206	11-01-0206	Hand Crimper	178.25	165.51
538-11-03-0037	11-03-0037	Extraction Tool	15.31	13.40

High Temperature Vertical Headers

Features:

- Shrouded
- Antiwicking PC tails
- Surface Mount Compatible
- 4 position without pegs
- PCB
- Through Hole

Specifications:

- Housing: High-temperature Thermoplastic
- Contact: Phosphor Bronze
- Plating: Tin/Lead over Nickel
- Temperature: -40° to +85°C
- Color: Black
- Current: 10.0A
- Voltage: 250V
- Rating: UL94V-0

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	PC Tail Length	Price Each 1	10	100
538-15-24-4157	15-24-4157	B	2.12 (.083)	1.11	.96	.72
538-15-24-4345	15-24-4345	B	3.58 (.141)	.78	.71	.64
*538-15-24-4342	15-24-4342	B	2.12 (.083)	.89	.74	.65

*with plastic peg

Right Angle Header with Strap, Standard Polarization

Features:

- Pre-assembled with metal strap for secure PCB retention
- Mates with IDT Connectors

Specifications:

- Housing: 6/6 Nylon, UL94V-2
- Contact: Phosphor Bronze
- Plating: Tin
- Band: Brass, pre-tinned
- Voltage: 250V
- Current: 5.0A
- Temperature: -40° to +80°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	PC Tail Length	Price Each 1	10	100
538-531-09-0410	53109-0410	C	3.50 (.138)	1.54	1.41	1.27

FEMALE IDT CONNECTORS

Features:

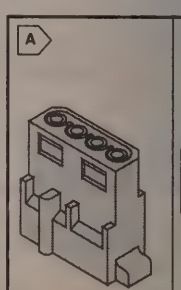
- Wire-to-wire and wire-to-board insulation displacement
- End grips for easy unmating
- Housing detent provides positive retention to mating connector
- Mates with right angle header

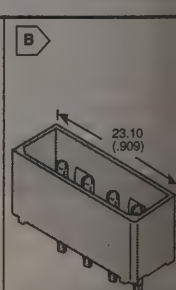
Specifications:

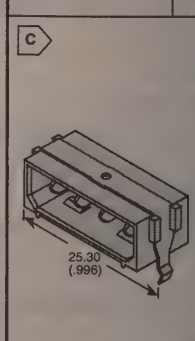
- Housing: Natural thermoplastic, UL94V-2
- Contact: Phosphor Bronze
- Plating: Tin
- Temperature: -40° to +85°C
- Strain reliefs and covers are not available

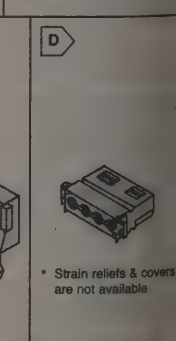
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Pos.	Color Code	Price Each 1	10	100
18 AWG stranded, 20 AWG solid and fused							
538-15-24-2000	15-24-2000	D	4	Red	.81	.74	.67
22 AWG solid, fused and stranded							
538-15-24-2002	15-24-2002	D	4	Black	.81	.74	.67









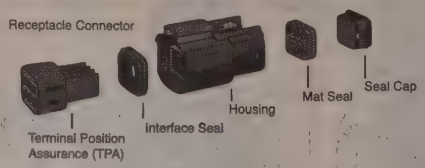
- Strain reliefs & covers are not available

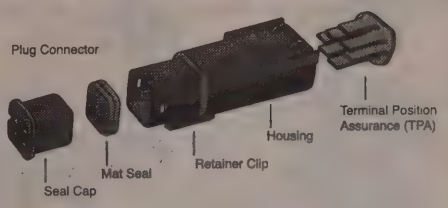
MOUSER a tti company (800) 346-6873

MOLEX MX150L™ Sealed Connector System

MX150™ system from Molex is a rugged, environmentally-sealed connector system that supports both low-level signal applications as well as power applications up to 18.0A

l discrete components shown to the
ht for both the receptacle and plug
usings are pre-assembled. Terminals
e simply crimped and poked into the
usings. No additional wire seals, wedge
cks or CPA locks are required.





4MM (.230") PITCH MX150L™ - SINGLE ROW CONNECTORS

ures:
ironmentally sealed to IP67
grated mat wire seal
grated interface seal (receptacles only)
grated terminal position assurance (TPA)
ple crimp and poke application
d serviceable contact removal system
tile and audible mating feedback

Specifications:
- 5.84mm (.230") Pitch
- Housing: SPS Glass-filled Crystalline Polymer
- Operating Temperature: -55 to +125°C
- Dielectric Withstanding Voltage: 1500V AC min.
- Insulation Resistance: 1000 Megohms

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	No. of Circuits	Type	Wire Size AWG	Dimensions A	Price Each 1	10	50	100
-19418-0016	19418-0016	A	2	Receptacle	22-18	22.15 (.872)	2.57	2.16	1.81	1.76
-19418-0017	19418-0017	A	2	Receptacle	16-14	22.15 (.872)	2.57	2.16	1.81	1.76
-19419-0008	19419-0008	B	2	Plug	22-18	18.95 (.746)	2.38	2.01	1.69	1.50
-19419-0007	19419-0007	B	2	Plug	16-14	18.95 (.746)	2.38	2.01	1.69	1.50

4MM (.230") PITCH MX150L™ - DUAL ROW CONNECTORS

eptacles

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	No. of Circuits	Wire Size AWG	Dimensions A	Price Each 1	10	50	100
-19418-0018	19418-0018	C	4	22-18	22.15 (.872)	3.45	2.90	2.43	2.36
-19418-0019	19418-0019	C	4	16-14	22.15 (.872)	3.45	2.90	2.43	2.36
-19418-0020	19418-0020	C	6	22-18	27.99 (1.102)	5.02	4.22	3.53	3.42
-19418-0021	19418-0021	C	6	16-14	27.99 (1.102)	5.02	4.22	3.53	3.42
-19418-0022	19418-0022	C	8	22-18	33.83 (1.332)	5.92	4.98	4.17	4.04
-19418-0023	19418-0023	C	8	16-14	33.83 (1.332)	5.92	4.98	4.17	4.04
-19418-0024	19418-0024	C	10	22-18	39.67 (1.562)	7.26	6.11	5.12	4.95
-19418-0025	19418-0025	C	10	16-14	39.67 (1.562)	7.26	6.11	5.12	4.95
-19418-0038	19418-0038	C	12	22-18	45.51 (1.792)	8.05	6.80	5.67	5.48
-19418-0037	19418-0037	C	12	16-14	45.51 (1.792)	8.05	6.80	5.67	5.48
-19418-0040	19418-0040	C	16	22-18	57.19 (2.252)	9.67	8.17	6.81	6.58
-19418-0039	19418-0039	C	16	16-14	57.19 (2.252)	9.67	8.17	6.81	6.58

g

For quantities of 500 and up, call for quote.

-19419-0005	19419-0005	D	4	22-18	18.94 (.746)	3.11	2.63	2.21	1.97
-19419-0004	19419-0004	D	4	16-14	18.94 (.746)	3.11	2.63	2.21	1.97
-19419-0012	19419-0012	D	6	22-18	24.78 (.976)	4.47	3.78	3.18	2.83
-19419-0011	19419-0011	D	6	16-14	24.78 (.976)	4.47	3.78	3.18	2.83
-19419-0001	19419-0001	D	8	22-18	30.62 (1.206)	5.28	4.46	3.75	3.35
-19419-0002	19419-0002	D	8	16-14	30.62 (1.206)	5.28	4.46	3.75	3.35
-19419-0015	19419-0015	D	10	22-18	36.47 (1.436)	6.46	5.46	4.59	4.09
-19419-0014	19419-0014	D	10	16-14	36.47 (1.436)	6.46	5.46	4.59	4.09
-19419-0017	19419-0017	D	12	22-18	42.31 (1.666)	6.05	5.11	4.26	4.12
-19419-0018	19419-0018	D	12	16-14	42.31 (1.666)	6.05	5.11	4.26	4.12
-19419-0020	19419-0020	D	16	22-18	53.99 (2.126)	6.92	5.85	4.88	4.71
-19419-0021	19419-0021	D	16	16-14	53.99 (2.126)	6.92	5.85	4.88	4.71

ntacts

ures:
t seal friendly design features center seam
l coined edges
d-over stress beam geometry feature
w insertion force

Specifications:
- Contact: C19025 Copper Alloy
- Plating: Tin
- Operating Temperature: -55 to +125°C
- Voltage: 600V
- Current: 18.0A
- Durability: 25 cycles for Tin plating

For quantities of 2000 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	Type	Wire Size AWG	Price Each 1	100	500	1000
-19420-0010	19420-0010	E	Female	22-18	.18	.16	.15	.14
-19420-0009	19420-0009	E	Female	16-14	.18	.16	.15	.14
-19417-0048	19417-0048	F	Male	22-18	.18	.16	.15	.14
-19417-0047	19417-0047	F	Male	16-14	.18	.16	.15	.14

ols

For quantities greater than listed, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	Description	Price Each 1	5
-63813-1500	63813-1500	G	Extraction Tool	17.68	16.42
-63811-4400	63811-4400	H	Hand Crimp Tool	378.00	351.00
-64016-0035	64016-0035	- - -	Service Tool (only)	47.05	43.70

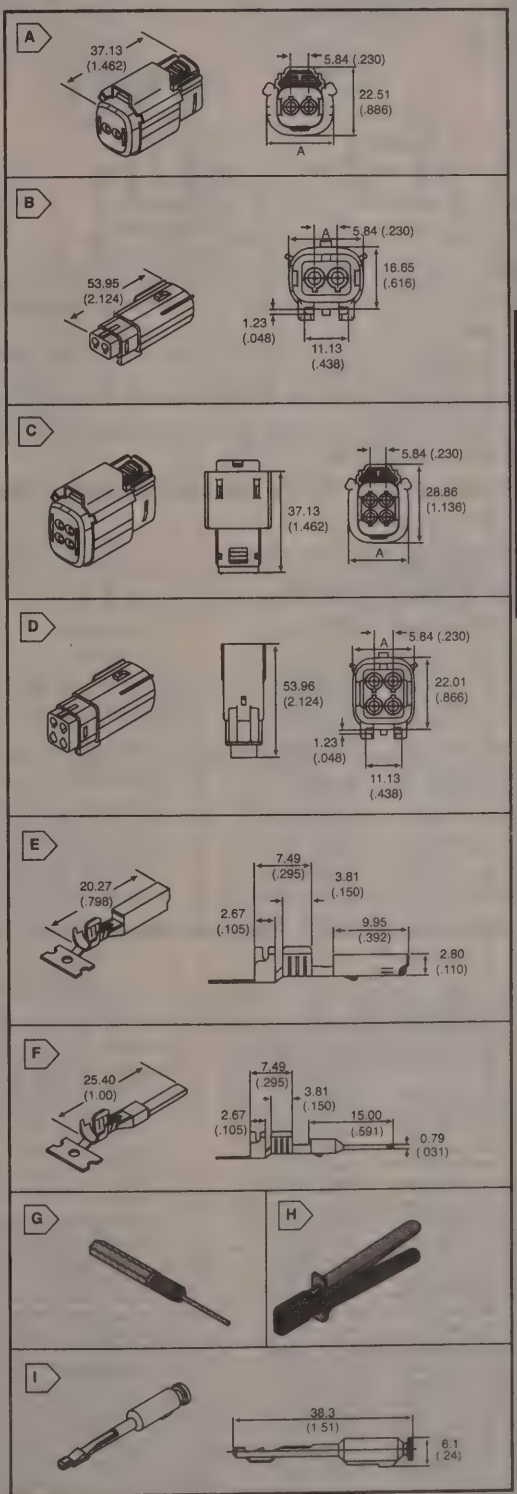
X150L™ CIRCUIT PLUG

the application of optional circuit plugs, the MX150L™ system supports the ability to implement sealed blank cavities in both plug and receptacle
ngs. The circuit plugs occupy and fully seal the unused cavity and can be extracted and replaced with a standard male blade or female receptacle
nal. This feature provides the ability to plan for possible future circuit additions while maintaining the sealing integrity of the mated pair.

erials:
PS Glass-filled Crystalline Polymer

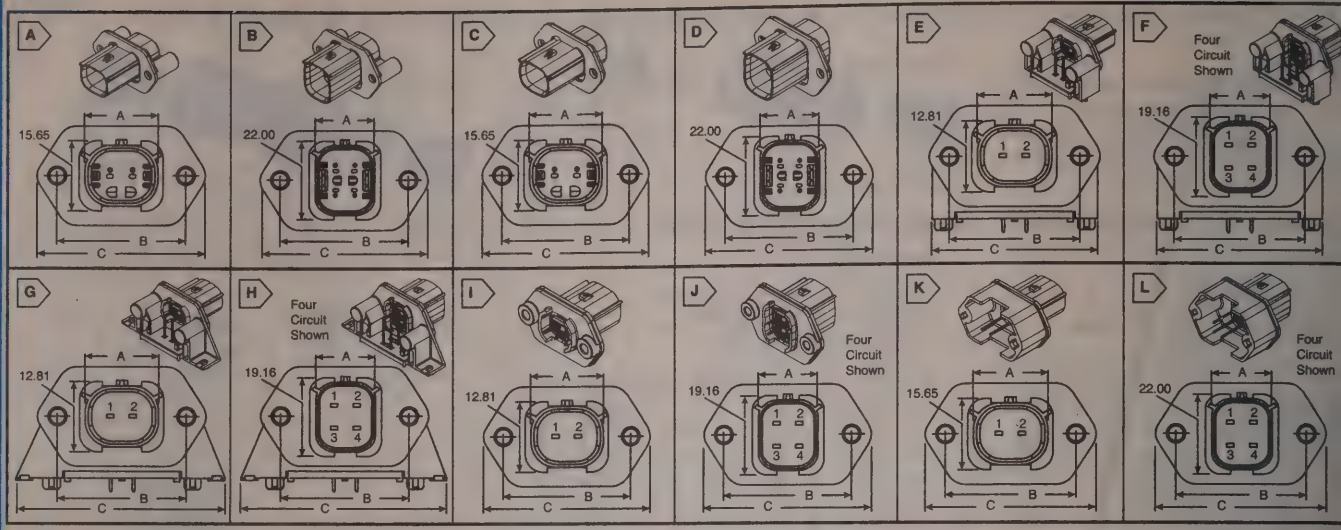
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Price Each 1	100	500	1000
3-19417-0119	19417-0119	I	.30	.24	.20	.18



MOLEX MX150L Sealed Connector System

molex



The MX150L™ system from Molex is a rugged, environmentally-sealed connector system that supports both low-level signal applications as well as power applications up to 18.0A

DIMENSIONS: mm

Features:
- Pre-assembled connector housings, seals, TPA components and mat-seal cap shipped in one piece provide applied labor and cost savings
- Simple crimp, poke and plug application eliminates need to crimp individual wire seals
- Integral Terminal Position Assurance (TPA) assures that crimped terminal leads are properly locked into connector
- Easy terminal extraction and insertion provides quick, low cost field repairs using a common screwdriver, needle nose pliers and terminal extraction tool
- Environmentally sealed to IP67

Specifications:
- 5.84mm (.230") Pitch
- Housing: SPS Glass-filled Crystalline Polymer
- Operating Temperature: -40°C to +125°C
- Dielectric Withstanding Voltage: 1500V AC min.
- Insulation Resistance: 1000 Megohms
- Voltage: 600V

PANEL MOUNT PLUGS SINGLE AND DUAL ROW

- 2 Circuit Single Row
- 4-16 Circuit Dual Row

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each		
				A	B	C	1	10	50
Rear Mount - with Gasket									
538-19429-0033	19429-0033	A	2	18.95	33.02	43.18	2.31	1.82	1.47
538-19429-0035	19429-0035	B	4	18.94	38.10	48.26	2.76	2.18	1.77
538-19429-0036	19429-0036	B	6	24.78	41.92	52.08	3.59	2.84	2.29
538-19429-0037	19429-0037	B	8	30.62	48.26	58.42	3.79	2.99	2.42
538-19429-0038	19429-0038	B	10	36.47	54.61	64.75	4.28	3.38	2.73
538-19429-0039	19429-0039	B	12	42.31	60.96	70.97	4.56	3.60	2.91
538-19429-0040	19429-0040	B	16	53.99	73.67	83.83	4.85	3.83	3.09
Through-Hole Mount - with Gasket									
538-19429-0041	19429-0041	C	2	18.95	33.02	43.18	2.25	1.78	1.44
538-19429-0043	19429-0043	D	4	18.94	38.10	48.26	2.68	2.12	1.71
538-19429-0044	19429-0044	D	6	24.78	41.92	52.08	3.48	2.75	2.22
538-19429-0045	19429-0045	D	8	30.62	48.26	58.42	3.65	2.88	2.33
538-19429-0046	19429-0046	D	10	36.47	54.61	64.75	4.13	3.26	2.64
538-19429-0047	19429-0047	D	12	42.31	60.96	70.97	4.45	3.51	2.84
538-19429-0048	19429-0048	D	16	53.99	73.67	83.83	4.79	3.78	3.06

PCB RIGHT-ANGLE HEADERS SINGLE AND DUAL ROW

- 2 Circuit Single Row
- 4-16 Circuit Dual Row

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each		
				A	B	C	1	10	50
Without Mounting Holes - Tin Plated									
538-19427-0040	19427-0040	E	2	16.04	33.02	41.90	2.74	2.16	1.75
538-19427-0032	19427-0032	F	4	16.10	38.10	46.99	3.36	2.66	2.15
538-19427-0018	19427-0018	F	6	21.94	41.92	50.81	3.88	3.06	2.48
538-19427-0017	19427-0017	F	8	27.74	48.26	57.15	4.39	3.47	2.80
538-19427-0031	19427-0031	F	10	33.62	54.61	63.50	5.07	4.01	3.24
538-19427-0012	19427-0012	F	12	39.46	60.96	69.85	5.79	4.57	3.69
538-19427-0049	19427-0049	F	16	51.14	73.66	82.55	7.44	5.87	4.78
Without Mounting Holes - Select Gold Plated									
538-19427-0109	19427-0109	E	2	16.04	33.02	41.90	3.05	2.41	1.95
538-19427-0107	19427-0107	F	4	16.10	38.10	46.99	4.08	3.22	2.60
538-19427-0106	19427-0106	F	6	21.94	41.92	50.81	4.93	3.89	3.15
538-19427-0105	19427-0105	F	8	27.74	48.26	57.15	5.81	4.59	3.71
538-19427-0104	19427-0104	F	10	33.62	54.61	63.50	6.87	5.42	4.39
538-19427-0103	19427-0103	F	12	39.46	60.96	69.85	7.98	6.30	5.10
538-19427-0102	19427-0102	F	16	51.14	73.66	82.55	10.26	8.10	6.55
With Mounting Holes - Tin Plated									
538-19427-0094	19427-0094	G	2	16.04	33.02	61.74	2.99	2.36	1.91
538-19427-0096	19427-0096	H	4	16.10	38.10	66.83	3.42	2.70	2.18
538-19427-0097	19427-0097	H	6	21.94	41.92	70.66	3.96	3.13	2.53
538-19427-0098	19427-0098	H	8	27.74	48.26	76.99	4.45	3.51	2.84
538-19427-0099	19427-0099	H	10	33.62	54.61	83.35	5.13	4.05	3.28
538-19427-0100	19427-0100	H	12	39.46	60.96	89.70	5.90	4.66	3.77
538-19427-0101	19427-0101	H	16	51.14	73.67	102.39	7.50	5.92	4.79

PCB RIGHT-ANGLE HEADERS (CONT.)

For quantities of 100 and up, call for quot

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each		
				A	B	C	1	10	50
With Mounting Holes - Select Gold Plated									
538-19427-0110	19427-0110	G	2	16.04	33.02	61.74	3.05	2.41	1.95
538-19427-0112	19427-0112	H	4	16.10	38.10	66.83	4.16	3.29	2.66
538-19427-0113	19427-0113	H	6	21.94	41.92	70.66	5.02	3.96	3.20
538-19427-0114	19427-0114	H	8	27.74	48.26	76.99	5.90	4.66	3.77
538-19427-0115	19427-0115	H	10	33.62	54.61	83.35	6.95	5.49	4.44
538-19427-0116	19427-0116	H	12	39.46	60.96	89.70	8.04	6.35	5.13
538-19427-0117	19427-0117	H	16	51.14	73.67	102.39	10.35	8.17	6.61

PCB VERTICAL HEADERS SINGLE AND DUAL ROW

- 2 Circuit Single Row
- 4-16 Circuit Dual Row

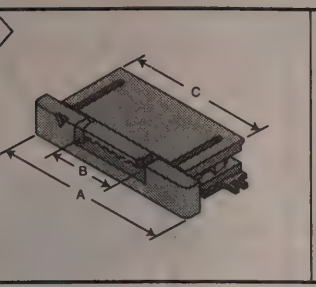
For quantities of 100 and up, call for quot

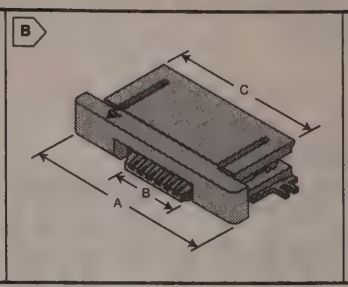
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each		
				A	B	C	1	10	50
Low Profile - Tin Plated									
538-19428-0009	19428-0009	I	2	16.10	33.01	43.18	2.11	1.67	1.35
538-19428-0011	19428-0011	J	4	16.10	38.10	48.26	2.76	2.18	1.77
538-19428-0012	19428-0012	J	6	21.94	41.92	52.08	3.19	2.52	2.04
538-19428-0013	19428-0013	J	8	27.74	48.26	58.42	3.65	2.88	2.33
538-19428-0014	19428-0014	J	10	33.62	54.61	64.75	4.19	3.31	2.68
538-19428-0015	19428-0015	J	12	39.46	60.96	71.12	4.82	3.80	3.08
538-19427-0016	19428-0016	J	16	51.14	73.66	83.83	6.87	5.42	4.39
Low Profile - Select Gold Plated									
538-19428-0025	19428-0025	I	2	16.10	33.01	43.18	2.42	1.91	1.55
538-19428-0027	19428-0027	J	4	16.10	38.10	48.26	3.42	2.70	2.18
538-19428-0028	19428-0028	J	6	21.94	41.92	52.08	4.16	3.29	2.66
538-19428-0029	19428-0029	J	8	27.74	48.26	58.42	4.87	3.85	3.11
538-19428-0030	19428-0030	J	10	33.62	54.61	64.75	5.76	4.55	3.68
538-19428-0031	19428-0031	J	12	39.46	60.96	71.12	6.73	5.31	4.30
538-19428-0032	19428-0032	J	16	51.14	73.66	83.83	9.66	7.63	6.17
Standard Height - Tin Plated									
538-19428-0007	19428-0007	K	2	18.95	33.02	43.18	2.17	1.71	1.38
538-19428-0006	19428-0006	L	4	18.94	38.10	48.26	2.82	2.23	1.80
538-19428-0004	19428-0004	L	6	24.78	41.92	52.08	3.31	2.61	2.11
538-19428-0003	19428-0003	L	8	30.59	48.26	58.42	3.73	2.95	2.38
538-19428-0005	19428-0005	L	10	36.47	54.61	64.75	4.28	3.38	2.73
538-19428-0001	19428-0001	L	12	42.31	60.96	70.97	4.90	3.87	3.13
538-19428-0002	19428-0002	L	16	53.99	73.67	83.83	6.98	5.51	4.46
Standard Height - Select Gold Plated									
538-19428-0017	19428-0017	K	2	18.95	33.02	43.18	2.54	2.00	1.62
538-19428-0019	19428-0019	L	4	18.94	38.10	48.26	3.53	2.79	2.26
538-19428-0020	19428-0020	L	6	24.78	41.92	52.08	4.30	3.40	2.75
538-19428-0021	19428-0021	L	8	30.59	48.26	58.42	5.10	4.03	3.26
538-19428-0022	19428-0022	L	10	36.47	54.61	64.75	5.99	4.73	3.82
538-19428-0023	19428-0023	L	12	42.31	60.96	70.97	6.95	5.49	4.44
538-19428-0024	19428-0024	L	16	53.99	73.67	83.83	9.98	7.90	6.39

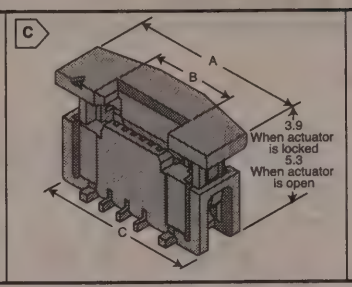
MOLEX FFC/FPC Connectors
(0.50mm)

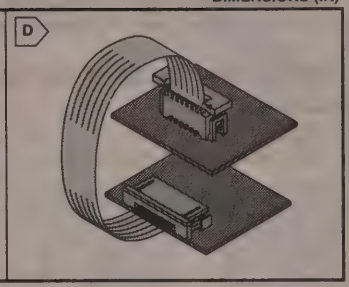
molex

DIMENSIONS (IN)









0MM (.020") PITCH FFC/FPC CONNECTORS

.30mm (.012") thick FFC/FPC.
solder tabs provide PCB hold-down and strain relief for SMT tails.
Zero Insertion Force

cifications:

tage: 50V
rrent: 0.5A
lectric Withstanding Voltage:
0V AC/1 min.

- Housing: 4/6 Nylon, UL 94V-0
- Actuator: PPS, UL 94V-0
- Contact: Phosphor Bronze
- Plating: Tin
- Solder Tabs: Phosphor Bronze, Tin plating
- Operating Temperature: -20 to +85°C

ht Angle, SMT, ZIF - Top Contact Style

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions			Price Each			
				A	B	C	1	10	100	250
-527-45-0690	52745-0690	A	6	.358	.098	.945	.47	.39	.34	.31
-52745-0890	52745-0890	A	8	.398	.138	.945	.59	.49	.43	.39
-52745-1090	52745-1090	A	10	.437	.177	.945	.67	.56	.49	.45
-52745-1290	52745-1290	A	12	.476	.217	.945	.78	.65	.57	.52
-52745-1490	52745-1490	A	14	.516	.256	.945	.83	.69	.61	.55
-52745-1690	52745-1690	A	16	.555	.295	.945	.89	.74	.66	.60
-527-45-1890	52745-1890	A	18	.594	.335	.945	.95	.79	.69	.63
-52745-2090	52745-2090	A	20	.634	.374	.945	.96	.80	.70	.64
-52435-2291	52435-2291	A	22	.693	.413	.945	1.32	1.11	.97	.88
-52435-2491	52435-2491	A	24	.732	.453	1.260	1.41	1.18	1.03	.94
-52435-2891	52435-2891	A	28	.811	.531	1.260	1.56	1.30	1.04	.94
-52435-3091	52435-3091	A	30	.850	.571	1.260	1.59	1.32	1.17	1.06

ht Angle, SMT, ZIF - Bottom Contact Style

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions			Price Each			
				A	B	C	1	10	100	250
-52746-0890	52746-0890	B	8	.398	.138	.327	.78	.65	.57	.52
-52746-1090	52746-1090	B	10	.437	.177	.366	.96	.81	.71	.64
-52746-1490	52746-1490	B	14	.516	.256	.445	1.22	1.02	.90	.81
-52746-1690	52746-1690	B	16	.555	.295	.484	1.30	1.09	.95	.87
-52746-2090	52746-2090	B	20	.634	.374	.563	1.49	1.24	1.10	.99
-52437-2291	52437-2291	B	22	.693	.413	.614	1.67	1.39	1.23	1.11
-52437-2491	52437-2491	B	24	.732	.453	.653	1.79	1.49	1.31	1.19
-52437-2891	52437-2891	B	28	.811	.531	.732	1.90	1.52	1.37	1.21
-52437-3091	52437-3091	B	30	.850	.571	.772	2.01	1.67	1.47	1.34

tical, SMT, ZIF

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions			Price Each			
				A	B	C	1	10	100	250
-52559-0890	52559-0890	C	8	.382	.138	.350	.88	.73	.64	.59
-52559-1092	52559-1092	C	10	.421	.177	.390	1.43	1.19	1.05	.95
-52559-1692	52559-1692	C	16	.539	.295	.508	1.59	1.33	1.16	1.06
-52559-1890	52559-1890	C	18	.579	.335	.547	1.92	1.61	1.41	1.28
-52559-2092	52559-2092	C	20	.618	.374	.587	1.48	1.21	1.09	.97
-52559-2290	52559-2290	C	22	.657	.413	.625	1.56	1.30	1.14	1.04
-52559-2492	52559-2492	C	24	.697	.453	.665	2.10	1.75	1.54	1.40
-52559-2892	52559-2892	C	28	.776	.531	.744	1.97	1.64	1.45	1.32
-52559-4092	52559-4092	C	40	1.012	.768	.980	2.37	1.97	1.74	1.58

LOW PROFILE FFC CONNECTORS

Specifications:
- Housing: LCP Liquid Crystal Polymer
- Mated Height: 1.20mm (.047")
- Mated Width: 3.40mm (.134")

Features:
- Pre-hold cable feature keeps FPC in place while actuator is being closed
- Sturdy actuator allows for easy cable insertion
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Right Angle, SMT, ZIF - Top Contact Style

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions			Price Each			
				A	B	C	1	10	100	250
538-54550-0690	54550-0690	A	6	.323	.098	.276	.63	.50	.45	.40
538-54550-0790	54550-0790	A	7	.343	.118	.295	.71	.57	.51	.45
538-54550-0890	54550-0890	A	8	.362	.138	.315	.74	.59	.53	.47
538-54550-0990	54550-0990	A	9	.382	.157	.335	.81	.65	.59	.52
538-54550-1090	54550-1090	A	10	.402	.177	.354	.88	.71	.63	.56
538-54550-1190	54550-1190	A	11	.421	.197	.374	.95	.80	.76	.72
538-54550-1290	54550-1290	A	12	.441	.217	.394	.98	.79	.71	.63
538-54550-1390	54550-1390	A	13	.461	.236	.413	1.05	.84	.76	.67
538-54550-1490	54550-1490	A	14	.480	.256	.433	1.11	.89	.80	.71
538-54550-1690	54550-1690	A	16	.520	.295	.472	1.19	.95	.86	.76
538-54550-1790	54550-1790	A	17	.539	.315	.492	1.24	.99	.89	.80
538-54550-1890	54550-1890	A	18	.559	.335	.512	1.27	1.01	.91	.81
538-54550-2090	54550-2090	A	20	.598	.374	.551	1.37	1.09	.98	.87
538-54550-2190	54550-2190	A	21	.618	.394	.571	1.42	1.14	1.02	.91
538-54550-2290	54550-2290	A	22	.638	.413	.591	1.48	1.29	1.22	1.15
538-54550-2490	54550-2490	A	24	.677	.453	.630	1.61	1.29	1.18	1.11

Specifications:
- Housing: LCP Liquid Crystal Polymer
- Mated Height: 1.20mm (.047")
- Mated Width: 3.40mm (.134")

Features:
- Pre-hold cable feature keeps FPC in place while actuator is being closed
- Sturdy actuator allows for easy cable insertion
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Right Angle, SMT, ZIF - Bottom Contact Style

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions			Price Each			
				A	B	C	1	10	100	250
538-54548-0590	54548-0590	B	5	.303	.079	.256	.55	.47	.43	.41
538-54548-0690	54548-0690	B	6	.323	.098	.276	.63	.50	.45	.43
538-54548-0790	54548-0790	B	7	.343	.118	.295	.71	.57	.51	.45
538-54548-0990	54548-0990	B	9	.382	.157	.335	.81	.65	.59	.52
538-54548-1090	54548-1090	B	10	.402	.177	.354	.88	.71	.63	.56
538-54548-1190	54548-1190	B	11	.421	.197	.374	.95	.76	.68	.65
538-54548-1290	54548-1290	B	12	.441	.217	.394	.98	.79	.71	.63
538-54548-1390	54548-1390	B	13	.461	.236	.413	1.05	.84	.76	.70
538-54548-1490	54548-1490	B	14	.480	.256	.433	1.11	.89	.80	.71
538-54548-1690	54548-1690	B	16	.520	.295	.472	1.19	.95	.86	.76
538-54548-1790	54548-1790	B	17	.539	.315	.492	1.24	.99	.89	.80
538-54548-1890	54548-1890	B	18	.559	.335	.512	1.27	1.01	.91	.81
538-54548-2090	54548-2090	B	20	.598	.374	.551	1.37	1.09	.98	.87
538-54548-2190	54548-2190	B	21	.618	.394	.571	1.42	1.14	1.02	.91
538-54548-2290	54548-2290	B	22	.638	.413	.591	1.48	1.29	1.22	1.15
538-54548-2490	54548-2490	B	24	.677	.453	.630	1.61	1.24	1.18	1.11

EMO-FLEX™ FLAT FLEX BLE JUMPERS

e jumpers are used to connect 2 PC boards and nate to either ZIF or Non-ZIF FFC Connectors. e with any 0.50mm (.020") Pitch FFC/FPC ector.

cifications:

ltage: 30V
rrent: 0.5A
mperature: -40 to +80°C
ble Width: (No. of circuits + 1) x 0.50mm
posed conductor length: 4mm with 8mm nforcement
nductor width: 0.30mm (.012")
nductor thickness: 0.10mm (.004")
ntacts on the same side

FFC Jumpers 3 Inch Lengths

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	250
538-21020-0055	21020-0055	D	6	2.65	2.09	1.84	1.67
538-21020-0077	21020-0077	D	8	2.92	2.29	2.02	1.84
538-21020-0099	21020-0099	D	10	2.33	1.83	1.61	1.46
538-21020-0121	21020-0121	D	12	2.40	1.96	1.73	1.57
538-21020-0143	21020-0143	D	14	2.47	2.04	1.80	1.63
538-21020-0165	21020-0165	D	16	2.58	2.12	1.86	1.70
538-21020-0187	21020-0187	D	18	2.74	2.24	1.98	1.80
538-21020-0209	21020-0209	D	20	2.76	2.27	2.00	1.82
538-21020-0231	21020-0231	D	22	2.76	2.27	2.00	1.82
538-21020-0253	21020-0253	D	24	3.02	2.47	2.18	1.98
538-21020-0297	21020-0297	D	28	3.06	2.50	2.20	2.00
538-21020-0319	21020-0319	D	30	3.55	2.91	2.56	2.33
538-21020-0429	21020-0429	D	40	3.56	2.96	2.61	2.37

FFC Jumpers 6 Inch Lengths

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	250
538-21020-0061	21020-0061	D	6	3.22	2.68	2.36	2.15
538-21020-0083	21020-0083	D	8	3.56	2.96	2.61	2.37
538-21020-0105	21020-0105	D	10	2.47	2.07	1.82	1.65
538-21020-0127	21020-0127	D	12	2.60	2.17	1.91	1.74
538-21020-0149	21020-0149	D	14	2.60	2.17	1.91	1.74
538-21020-0171	21020-0171	D	16	2.78	2.32	2.04	1.86
538-21020-0193	21020-0193	D	18	3.03	2.53	2.23	2.02
538-21020-0215	21020-0215	D	20	3.03	2.53	2.23	2.02
538-21020-0237	21020-0237	D	22	3.06	2.55	2.25	2.04
538-21020-0259	21020-0259	D	24	3.55	2.91	2.56	2.33
538-21020-0303	21020-0303	D	28	3.53	2.94	2.59	2.35
538-21020-0325	21020-0325	D	30	4.30	3.58	3.16	2.87
538-21020-0435	21020-0435	D	40	4.42	3.69	3.24	2.95

MOLEX FFC/FPC Connectors
(1.00mm)

molex

DIMENSIONS In mm and (IN

1.00MM (.039") PITCH FFC/FPC CONNECTORS

For 0.30mm thick FFC/FPC. Metal solder tabs provide PCB hold-down and strain relief for SMT tails. ZIF: Zero Insertion Force.

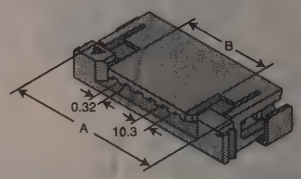
Right Angle, SMT, ZIF - Top Contact Styie

Specifications:
- Voltage: 125V
- Current: 1.0A
- Dielectric Withstanding Voltage: 500V AC/1 min.
- Housing: 4/6 Nylon, UL 94V-0
- Actuator: PPS, UL 94V-0
- Contact: Phosphor Bronze
- Plating: Tin
- Solder Tabs: Copper Alloy, Tin plating
- Operating Temperature: -20 to +85°C

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions A	Dimensions B	Carrier Tape Width	Price Each 1	10	100	250
538-52207-0890	52207-0890	A	8	14.30 (.562)	7.00 (.275)	24.00 (.945)	.68	.56	.50	.45
538-52207-1090	52207-1090	A	10	16.30 (.641)	9.00 (.354)	24.00 (.945)	.75	.63	.55	.51
538-52207-1290	52207-1290	A	12	18.30 (.720)	11.00 (.433)	32.00 (1.260)	.88	.74	.65	.59
538-52207-1490	52207-1490	A	14	20.30 (.799)	13.00 (.511)	32.00 (1.260)	1.01	.84	.74	.67
538-52207-1890	52207-1890	A	18	24.30 (.956)	17.00 (.669)	44.00 (1.732)	1.27	1.05	.93	.84
538-52207-2090	52207-2090	A	20	26.30 (1.035)	19.00 (.748)	44.00 (1.732)	1.39	1.16	1.02	.93

A



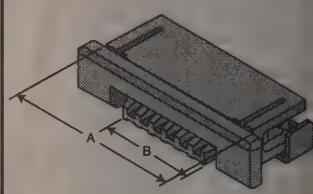
Right Angle, SMT, ZIF - Bottom Contact Style

Specifications:
- Voltage: 50V
- Current: 0.5A
- Dielectric Withstanding Voltage: 500V AC/1 min.
- Housing: 4/6 Nylon, UL 94V-0
- Actuator: PPS, UL 94V-0
- Contact: Phosphor Bronze
- Plating: Tin/Lead
- Solder Tabs: Copper Alloy, Tin/Lead plating
- Operating Temperature: -20 to +85°C

For quantities of 500 or more, call for quote.

538-52271-0690	52271-0690	B	6	11.00 (.433)	5.00 (.197)	24.00 (.945)	.62	.52	.45	.41
538-52271-0890	52271-0890	B	8	13.00 (.511)	7.00 (.275)	24.00 (.945)	.70	.58	.51	.47
538-52271-1090	52271-1090	B	10	15.00 (.590)	9.00 (.354)	24.00 (.945)	.79	.66	.58	.53
538-52271-1490	52271-1490	B	14	19.00 (.748)	13.00 (.511)	32.00 (1.260)	.96	.80	.70	.64
538-52271-1890	52271-1890	B	18	23.00 (.905)	17.00 (.669)	44.00 (1.732)	1.10	.92	.81	.73
538-52271-2090	52271-2090	B	20	25.00 (.984)	19.00 (.748)	44.00 (1.732)	1.17	.97	.85	.78
538-52271-2290	52271-2290	B	22	27.00 (1.062)	21.00 (.827)	44.00 (1.732)	1.34	1.12	.98	.89
538-52271-2490	52271-2490	B	24	29.00 (1.141)	23.00 (.906)	44.00 (1.732)	1.40	1.16	1.02	.93
538-52271-2890	52271-2890	B	28	33.00 (1.299)	27.00 (1.060)	56.00 (2.205)	1.57	1.31	1.15	1.05
538-52271-3090	52271-3090	B	30	35.00 (1.377)	29.00 (1.140)	56.00 (2.205)	1.50	1.25	1.10	1.00

B



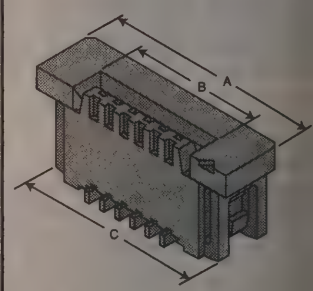
Vertical, SMT, ZIF

Specifications:
- Voltage: 125V
- Current: 1.0A
- Dielectric Withstanding Voltage: 500V AC/1 min.
- Housing: 4/6 Nylon, UL 94V-0
- Actuator: PPS, UL 94v-0
- Contact: Phosphor Bronze
- Plating: Tin
- Operating Temperature: -20 to +85°C

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions A	Dimensions B	Dimensions C	Carrier Tape Width	Price Each 1	10	100	250
538-52610-0690	52610-0690	C	6	12.60 (.496)	5.00 (.197)	10.85 (.427)	24.00 (.945)	.98	.81	.72	.65
538-52610-0890	52610-0890	C	8	14.60 (.575)	7.00 (.276)	12.85 (.506)	24.00 (.945)	1.17	.97	.86	.78
538-52610-1290	52610-1290	C	12	18.60 (.732)	11.00 (.433)	16.85 (.663)	32.00 (1.260)	1.57	1.30	1.15	1.04
538-52610-1490	52610-1490	C	14	20.60 (.811)	13.00 (.512)	18.85 (.742)	32.00 (1.260)	1.63	1.36	1.20	1.09
538-52610-1690	52610-1690	C	16	22.60 (.890)	15.00 (.591)	20.85 (.821)	44.00 (1.732)	1.86	1.55	1.36	1.24
538-52610-1890	52610-1890	C	18	24.60 (.969)	17.00 (.669)	22.85 (.900)	44.00 (1.732)	1.28	1.16	1.10	1.03
538-52610-2090	52610-2090	C	20	26.60 (1.047)	19.00 (.748)	24.85 (.978)	44.00 (1.732)	1.98	1.65	1.45	1.32
538-52610-3090	52610-3090	C	30	36.60 (1.441)	29.00 (1.142)	34.85 (1.372)	56.00 (2.205)	2.60	2.17	1.91	1.73

C



PREMO-FLEX™ FLAT FLEX CABLE JUMPERS

These jumpers are used to connect 2 PC boards and terminate to either ZIF or Non-ZIF FFC Connectors. Mates with any 1.00mm (.039") Pitch FFC/FPC Connector.

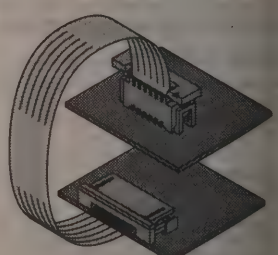
Specifications:
- Voltage: 30V
- Current: 1.2A
- Cable width: (No. of circuits + 1) x 1.00mm
- Exposed conductor length:4mm with 8mm reinforcement
- Temperature: -40 to +80°C
- Contacts on same side
- Conductor thickness: 0.10mm (.004")
- Conductor width: 0.70mm (.028")

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each 1	10	100	250
3 Inch Lengths							
538-21039-0205	21039-0205	D	6	1.46	1.21	1.07	.97
538-21039-0227	21039-0227	D	8	1.49	1.24	1.09	.99
538-21039-0249	21039-0249	D	10	1.55	1.29	1.14	1.04
538-21039-0271	21039-0271	D	12	1.61	1.34	1.18	1.08
538-21039-0293	21039-0293	D	14	1.67	1.40	1.23	1.12
538-21039-0315	21039-0315	D	16	1.74	1.45	1.28	1.16
538-21039-0337	21039-0337	D	18	1.80	1.50	1.32	1.20
538-21039-0381	21039-0381	D	22	1.92	1.60	1.41	1.28
538-21039-0403	21039-0403	D	24	2.05	1.71	1.50	1.36
538-21039-0425	21039-0425	D	26	2.08	1.73	1.52	1.38
538-21039-0447	21039-0447	D	28	2.08	1.73	1.52	1.38
538-21039-0469	21039-0469	D	30	2.11	1.75	1.54	1.41
6 Inch Lengths							
538-21039-0211	21039-0211	D	6	1.39	1.16	1.03	.93
538-21039-0233	21039-0233	D	8	1.48	1.24	1.09	.99
538-21039-0255	21039-0255	D	10	1.58	1.32	1.16	1.06
538-21039-0277	21039-0277	D	12	1.67	1.40	1.23	1.12
538-21039-0299	21039-0299	D	14	1.76	1.47	1.29	1.18
538-21039-0321	21039-0321	D	16	1.86	1.55	1.36	1.24
538-21039-0343	21039-0343	D	18	1.98	1.65	1.45	1.32

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each 1	10	100	250
6 Inch Lengths (cont.)							
538-21039-0365	21039-0365	D	20	2.14	1.78	1.57	1.43
538-21039-0387	21039-0387	D	22	2.16	1.81	1.59	1.45
538-21039-0409	21039-0409	D	24	2.38	1.99	1.75	1.59
538-21039-0431	21039-0431	D	26	2.41	2.01	1.77	1.61
538-21039-0453	21039-0453	D	28	2.44	2.04	1.80	1.63
538-21039-0475	21039-0475	D	30	2.47	2.06	1.82	1.65
12 Inch Lengths							
538-21039-0221	21039-0221	D	6	1.67	1.39	1.22	1.12
538-21039-0243	21039-0243	D	8	1.82	1.52	1.34	1.22
538-21039-0265	21039-0265	D	10	1.98	1.65	1.45	1.32
538-21039-0287	21039-0287	D	12	2.16	1.80	1.59	1.44
538-21039-0309	21039-0309	D	14	2.32	1.93	1.70	1.55
538-21039-0331	21039-0331	D	16	2.51	2.09	1.84	1.67
538-21039-0353	21039-0353	D	18	2.72	2.27	2.00	1.82
538-21039-0375	21039-0375	D	20	3.03	2.53	2.23	2.02
538-21039-0397	21039-0397	D	22	3.06	2.55	2.25	2.04
538-21039-0419	21039-0419	D	24	3.55	2.91	2.56	2.33
538-21039-0441	21039-0441	D	26	3.53	2.94	2.59	2.35
538-21039-0463	21039-0463	D	28	3.59	2.99	2.63	2.39
538-21039-0485	21039-0485	D	30	3.65	3.04	2.68	2.43

D



MOUSER ELECTRONICS a tti company

(800) 346-6873

OMRON FPC Connectors

OMRON ELECTRONIC COMPONENTS

MRON XF2B SERIES: SMT ROTARY BLOCK 0.3MM PITCH FPC CONNECTORS

tures:
ttom wall eliminates exposure of terminals
w on-board profile of 0.9mm
uble-sided contact - no need to distinguish
tween upper and lower FPC contacts during assembly.
der supplied in open position
PC held in a four-shrouded housing that prevents
placement as the slider is operated

Specifications:
- Rated current: 0.2A AC/DC
- Rated voltage: 50V AC/DC
- Insertion tolerance: 20 times
- Contact material: nickel substrate, gold plating
- Applicable FPC thickness, t=0.2mm
- Reflow solderable, supplied on tape and reel

Applications:
- Personal computers
- Mobile phones
- PDAs
- Pagers
- Digital cameras
- LCDs

For quantities of 3000 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Circuits	Dimensions (mm)				Price Each				Reel Qty.	Reel Qty. Price Each
				A	B	C	D	1	25	50	100		
-XF2B-1745-31A	XF2B-1745-31A	A	17	4.2	4.8	5.5	7.0	2.01	1.30	1.04	.98	1500	.91
-XF2B-2345-31A	XF2B-2345-31A	A	23	6.0	6.6	7.3	8.8	2.40	1.56	1.25	1.17	1500	1.09

MRON XF2L SERIES SMT ZIF 0.50MM PITCH SLIDE-LOCK FPC CONNECTORS

tures:
nall footprint reduces space on board
p and bottom contact styles have identical dimensions, utilize the same PCB layout
efficiency
lor-coded slide identifies top and bottom contact versions to prevent mix-ups during
oduction (Bottom contact style - brown; Top contact style - black)

Specifications:
- Rated current: 0.5A
- Rated voltage: 50VDC
- Insertion tolerance: 20 times
- Contact material: nickel substrate, gold plating

Applications:
- Personal computers
- Mobile phones
- PDAs
- Digital cameras
- LCDs

For quantities of 6000 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Circ.	Contact Location	Dimensions (mm)				Price Each				Reel Qty.	Reel Qty. Price Each
					A	B	C	D	1	25	50	100		
-XF2L-0425-1A	XF2L-0425-1A	B	4	Top contact	1.5	5.9	6.9	7.28	.69	.45	.36	.34	3000	.29
-XF2L-0535-1A	XF2L-0535-1A	B	5	Bottom contact	2.0	6.4	7.4	7.78	.73	.47	.38	.35	3000	.31
-XF2L-0625-1A	XF2L-0625-1A	B	6	Top contact	2.5	6.9	7.9	8.28	.76	.49	.39	.37	3000	.32
-XF2L-0825-1A	XF2L-0825-1A	B	8	Top contact	3.5	7.9	8.9	9.28	.83	.54	.43	.41	3000	.35
-XF2L-1025-1A	XF2L-1025-1A	B	10	Top contact	4.5	8.9	9.9	10.28	.90	.59	.47	.44	3000	.38
-XF2L-1835-1A	XF2L-1835-1A	B	18	Bottom contact	8.5	12.9	13.9	14.28	1.20	.78	.62	.58	3000	.50

MRON XF2M SERIES SMT 0.5 MM PITCH ROTARY BACKLOCK FPC CONNECTORS

tures:
es 27% less mounting area than XF2H
uble-sided (upper and lower) contact structure enables component reductions
ort body depth of 5.9 mm with slider closed
flow solderable, supplied on tape and reel

Specifications:
- Rated current: 0.5A
- Rated voltage: 50VDC
- Insertion tolerance: 20 times
- Contact material: nickel substrate, gold plating

Applications:
- Personal computers
- Mobile phones
- PDAs
- Digital cameras

For quantities of 3000 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Circuits	Dimensions (mm)					Price Each				Reel Qty.	Reel Qty. Price Each
				A	B	C	D	E	1	25	50	100		
-XF2M-1015-1A	XF2M-1015-1A	C	10	4.5	5.6	8.5	9.1	7.1	1.27	.82	.66	.62	1500	.54
-XF2M-2015-1A	XF2M-2015-1A	C	20	9.5	10.6	13.5	14.1	12.1	1.62	1.05	.84	.79	1500	.68
-XF2M-3015-1A	XF2M-3015-1A	C	30	14.5	15.6	18.5	19.1	17.1	3.89	2.53	2.02	1.90	1500	1.64
-XF2M-3215-1A	XF2M-3215-1A	C	32	15.5	16.6	19.5	20.1	18.1	2.11	1.37	1.10	1.03	1500	.89
-XF2M-3415-1A	XF2M-3415-1A	C	34	16.5	17.6	20.5	21.1	19.1	2.20	1.43	1.14	1.07	1500	.93
-XF2M-3615-1A	XF2M-3615-1A	C	36	17.5	18.6	21.5	22.1	20.1	2.30	1.49	1.19	1.12	1500	.97
-XF2M-4015-1A	XF2M-4015-1A	C	40	19.5	20.6	23.5	24.1	22.1	2.48	1.61	1.29	1.21	1500	1.05
-XF2M-5015-1A	XF2M-5015-1A	C	50	24.5	25.6	28.5	29.1	27.1	2.94	1.91	1.53	1.43	1500	1.24

MRON XF2N SERIES 0.5 MM PITCH
OW-PROFILE ROTARY BACKLOCK FPC CONNECTORS

tures:
reater freedom of board design with 0.9mm profile and bottom wall
uble-sided (upper and lower) contact structure enables component reductions
acklock mechanism makes FPC mounting significantly easier

Specifications:
- Rated current: 0.3A
- Rated voltage: 50VDC
- Insertion tolerance: 20 times
- Contact material: nickel substrate, gold plating

Applications:
- Personal computers
- Mobile phones
- PDAs
- Digital cameras

For quantities of 6000 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Circuits	Dimensions (mm)			Price Each				Reel Qty.	Reel Qty. Price Each
				A	B	C	1	25	50	100		
-XF2N-2115-3	XF2N-2115-3	D	21	10.0	11.1	13.0	2.21	1.43	1.14	1.07	3000	1.01
-XF2N-3215-3	XF2N-3215-3	D	32	15.5	16.6	18.5	3.40	2.21	1.77	1.66	3000	1.55

MRON XF2R SERIES 0.5 MM PITCH
OW-PROFILE ROTARY BACKLOCK FPC CONNECTORS

tures:
PC insertion sensation greatly improved with 1.1mm FPC guide section
uble-sided (upper and lower) contact structure enables component reductions
ffective interface length for terminals increased to 1.4mm to ensure stability in
pplications with a lot of movement

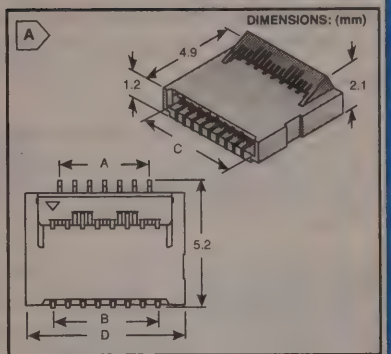
Specifications:
- Rated current: 0.3A
- Rated voltage: 50VDC
- Insertion tolerance: 20 times
- Contact material: nickel substrate, gold plating

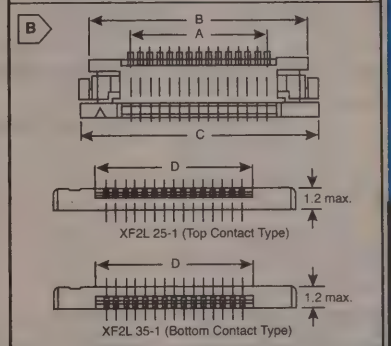
Applications:
- Personal computers
- Mobile phones
- PDAs
- Digital cameras
- LCDs

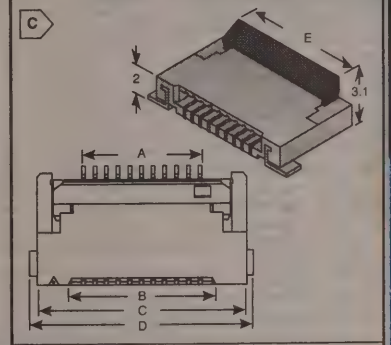
For quantities of 6000 and up, call for quote.

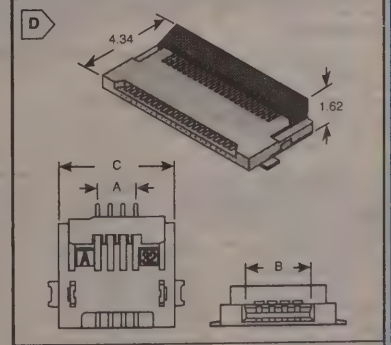
MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Circuits	Dimensions (mm)					Price Each				Reel Qty.	Reel Qty. Price Each
				A	B	C	D	E	1	25	50	100		
-XF2R-0615-4A	XF2R-0615-4A	E	6	5.0	2.5	3.6	4.55	5.35	1.73	1.13	.90	.84	3000	.79
-XF2R-0915-4A	XF2R-0915-4A	E	9	6.5	4.0	5.1	6.05	6.85	1.94	1.26	1.01	.94	3000	.88
-XF2R-1815-4A	XF2R-1815-4A	E	18	11.0	8.5	9.6	10.55	11.35	2.54	1.65	1.32	1.24	3000	1.15
-XF2R-2415-4A	XF2R-2415-4A	E	24	14.0	11.5	12.6	13.55	14.35	2.94	1.91	1.53	1.43	3000	1.34
-XF2R-3415-4A	XF2R-3415-4A	E	34	19.0	16.5	17.6	18.55	—	3.60	2.34	1.87	1.76	3000	1.64
-XF2R-4015-4A	XF2R-4015-4A	E	40	22.0	19.5	20.6	21.55	22.35	4.01	2.60	2.08	1.95	3000	1.82

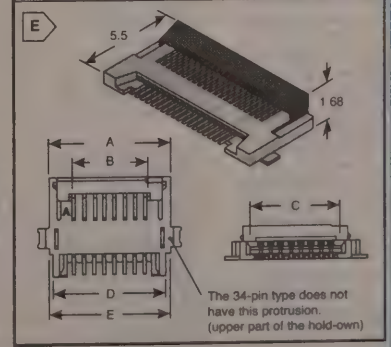
DIMENSIONS: (mm)











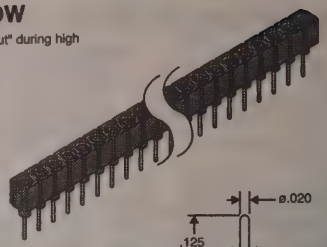
SBE SERIES SIP SOCKET CONTACT STRIPS - SCREW MACHINE, SINGLE ROW

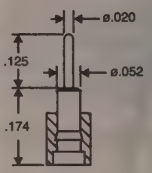
DIMENSIONS: IN

Four-finger beryllium copper contacts provide low, stable contact resistance and accept short IC leads. High retention pin sockets prevent "IC walk-out" during high vibration. Pin socket design prevents solder wicking and flux entrapment.

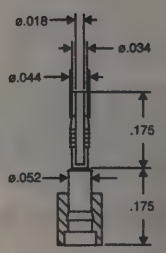
Specifications:

- Side and end stackable
- Notched body snaps to custom sizes
- Insulation Material: High temperature black polyester glass filled
- Flammability: UL94V-0
- Contact Shell Material: Half Hard Brass
- Contact Clip Material: Beryllium Copper
- Insertion Force:12 ounces max. per contact using .017" dia. pin
- Withdrawal Force: 1/5 ounces min. per contact using .017" dia. pin
- Color: Black
- Acceptable Pin Sizes: Diameter- .016" -.021" (0.41mm - 0.53mm), Length- .110" - .150" (2.79mm - 3.81mm)
- Current Rating: 1.0 A
- Contact Resistance: 20mΩ max.
- Dielectric Withstanding Voltage: 500VAC for 1 minute
- Insulation Resistance: 5,000MΩ min. at 500VDC
- Withstanding Voltage: 650VAC for 1 minute
- Capacitance: 1 pF max.
- Temperature Rating: -65°C to +125°C





Lead Style "S"



Lead Style "CP"

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	No. of Contacts	Plating	Lead Style	Price Each			
					1	25	50	100
517-SBE-640-CP-TT	SBE-640-CP-TT	64	150µ" Tin/Lead	CP	12.90	8.94	8.26	7.87
517-SBE-640-S-TG30	SBE-640-S-TG30	64	30µ" Gold	S	4.38	3.04	2.80	2.67
517-SBE-640-S-TT	SBE-640-S-TT	64	150µ" Tin/Lead	S	2.39	2.19	2.07	1.96

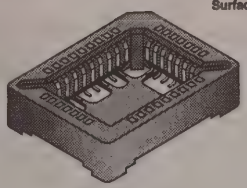
PLCC SERIES CHIP CARRIER SOCKETS

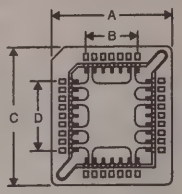
DIMENSIONS: IN

Specifications:

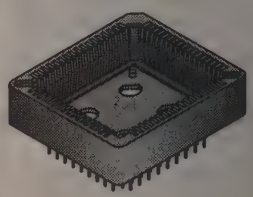
- High temperature insulator compatible with IR reflow and wave soldering
- Low Profile .200" maximum height
- Designed for automatic assembly
- Open frame allows visual inspection of solder joints
- Insulation Material: Glass Filled PPS
- Flammability: UL94V-0
- Color: Black, Brown
- Contact Material: Phosphor Bronze
- Contact Resistance: 20mΩ
- Insulation Resistance: 10^3MΩ minimum
- Capacitance: 1 pF
- Temperature Rating: -55°C to +105°C

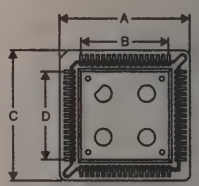
Surface Mount





Thru-Hole





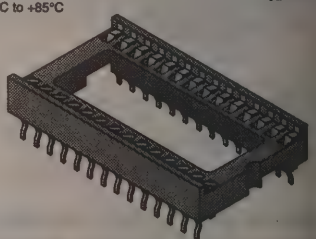
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	No. of Contacts	Dim. A (In.)	Dim. B (In.)	Dim. C (In.)	Dim. D (In.)	Location Posts	Price Each			
								1	25	50	100
Low Profile, 4-Row, Surface Mount											
517-PLCC-20-SMT-TT	PLCC-20-SMT-TT	20	0.600	0.200	0.600	0.200	No	1.20	.83	.77	.73
517-PLCC-28-SMTL-TT	PLCC-28-SMTL-TT	28	0.700	0.300	0.700	0.300	Yes	.87	.80	.76	.71
517-PLCC-28-SMT-TT	PLCC-28-SMT-TT	28	0.700	0.300	0.700	0.300	No	.87	.80	.76	.71
517-PLCC-32-SMTL-TT	PLCC-32-SMTL-TT	32	0.700	0.300	0.800	0.400	Yes	.94	.86	.81	.77
517-PLCC-32-SMT-TT	PLCC-32-SMT-TT	32	0.700	0.300	0.800	0.400	No	.94	.86	.81	.77
517-PLCC-44-SMTL-TT	PLCC-44-SMTL-TT	44	0.900	0.500	0.900	0.500	Yes	1.12	1.03	.97	.92
517-PLCC-44-SMT-TT	PLCC-44-SMT-TT	44	0.900	0.500	0.900	0.500	No	1.12	1.03	.97	.92
517-PLCC-52-SMTL-TT	PLCC-52-SMTL-TT	52	1.000	0.600	1.000	0.600	Yes	1.25	1.14	1.08	1.02
517-PLCC-52-SMT-TT	PLCC-52-SMT-TT	52	1.000	0.600	1.000	0.600	No	1.25	1.14	1.08	1.02
517-PLCC-68-SMTL-TT	PLCC-68-SMTL-TT	68	1.200	0.800	1.200	0.800	Yes	1.52	1.39	1.31	1.24
517-PLCC-68-SMT-TT	PLCC-68-SMT-TT	68	1.200	0.800	1.200	0.800	No	1.52	1.39	1.31	1.24
517-PLCC-84-SMT-TT	PLCC-84-SMT-TT	84	1.400	1.000	1.400	1.000	No	1.62	1.48	1.40	1.33
4-Row, Thru-Hole											
517-PLCCE-032-S1-TT	PLCCE-032-S1-TT	32	0.690	0.400	0.690	0.400	No	.98	.89	.85	.80
517-PLCCE-044-S1-TT	PLCCE-044-S1-TT	44	0.890	0.500	0.890	0.500	No	1.16	1.06	1.01	.95
517-PLCCE-068-S1-TT	PLCCE-068-S1-TT	68	1.190	0.800	1.190	0.800	No	1.56	1.43	1.35	1.28

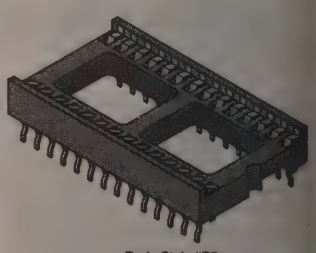
ICO SERIES DIP SOCKETS - STAMPED AND FORMED, DUAL-WIPE

Specifications:

- Dual leaf, high compression contact provides gas-tight termination
- Contact Material: Phosphor Bronze
- Side and end stackable
- Anti-overstress design prevents contact spring damage
- Insulation Material: Polyester Glass Filled
- Flammability: UL94V-0
- Color: Black
- Plating: 80µ" Tin Lead
- Insertion Force: 340 grams max. per contact
- Withdrawal Force: 14.5 grams min. per contact
- S8A Parts have an Auto Insert Straight Lead
- S8 Parts have a Self Locking Barb
- Acceptable Pin Sizes: Diameter- .008" - .015" (0.2mm - 0.35mm), Length- .100" - .130" (2.54mm - 3.30mm)
- Mounting Information: Hole Diameter- .038" - .042" (0.97mm - 1.07mm), Location- IC leads and socket leads are coincident
- Current Rating: 1 A
- Insulation Resistance: 5,000MΩ min. at 500VDC
- Withstanding Voltage: 100VAC for 1 minute
- Temperature Rating: -25°C to +85°C



Body Style "A"



Body Style "B"

For quantities of 200 and up, call for quote.

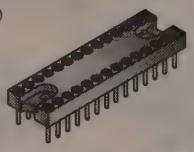
MOUSER STOCK NO.	3M Part No.	No. of Contacts	Row Spacing	Length (In.)	Width (In.)	Pin Dia. (In.)	Board Mtg. Height (In.)	Price Each			
								1	25	50	100
Body Style "A"											
517-ICO-083-S8A-T	ICO-083-S8A-T	8	0.300	0.395	0.400	0.020	0.174	.16	.15	.14	.13
517-ICO-083-S8-T	ICO-083-S8-T	8	0.300	0.395	0.400	0.020	0.174	.16	.15	.14	.13
517-ICO-143-S8A-T	ICO-143-S8A-T	14	0.300	0.695	0.400	0.020	0.174	.14	.13	.12	.11
517-ICO-143-S8-T	ICO-143-S8-T	14	0.300	0.695	0.400	0.020	0.174	.14	.13	.12	.11
517-ICO-163-S8A-T	ICO-163-S8A-T	16	0.300	0.795	0.400	0.020	0.174	.14	.13	.12	.11
517-ICO-163-S8-T	ICO-163-S8-T	16	0.300	0.795	0.400	0.020	0.174	.14	.13	.12	.11
517-ICO-183-S8A-T	ICO-183-S8A-T	18	0.300	0.895	0.400	0.020	0.174	.15	.14	.13	.12
517-ICO-183-S8-T	ICO-183-S8-T	18	0.300	0.895	0.400	0.020	0.174	.15	.14	.13	.12
517-ICO-203-S8A-T	ICO-203-S8A-T	20	0.300	0.995	0.400	0.020	0.174	.15	.14	.13	.12
517-ICO-203-S8-T	ICO-203-S8-T	20	0.300	0.995	0.400	0.020	0.174	.15	.14	.13	.12
517-ICO-243-S8A-T	ICO-243-S8A-T	24	0.300	1.195	0.400	0.020	0.174	.16	.15	.14	.13
517-ICO-243-S8-T	ICO-243-S8-T	24	0.300	1.195	0.400	0.020	0.174	.16	.15	.14	.13
Body Style "B"											
517-ICO-246-S8A-T	ICO-246-S8A-T	24	0.600	1.195	0.700	0.020	0.174	.16	.15	.14	.13
517-ICO-246-S8-T	ICO-246-S8-T	24	0.600	1.195	0.700	0.020	0.174	.16	.15	.14	.13
517-ICO-286-S8A-T	ICO-286-S8A-T	28	0.600	1.395	0.700	0.020	0.174	.18	.17	.16	.15
517-ICO-286-S8-T	ICO-286-S8-T	28	0.600	1.395	0.700	0.020	0.174	.18	.17	.16	.15
517-ICO-326-S8A-T	ICO-326-S8A-T	32	0.600	1.595	0.700	0.020	0.174	.19	.18	.17	.16
517-ICO-326-S8-T	ICO-326-S8-T	32	0.600	1.595	0.700	0.020	0.174	.19	.18	.17	.16
517-ICO-406-S8A-T	ICO-406-S8A-T	40	0.600	1.995	0.700	0.020	0.174	.22	.21	.20	.19
517-ICO-406-S8-T	ICO-406-S8-T	40	0.600	1.995	0.700	0.020	0.174	.22	.21	.20	.19
517-ICO-426-S8A-T	ICO-426-S8A-T	42	0.600	2.095	0.700	0.020	0.174	.29	.27	.26	.25
517-ICO-426-S8-T	ICO-426-S8-T	42	0.600	2.095	0.700	0.020	0.174	.29	.27	.26	.25
517-ICO-486-S8-T	ICO-486-S8-T	48	0.600	2.395	0.700	0.020	0.174	.25	.24	.23	.22

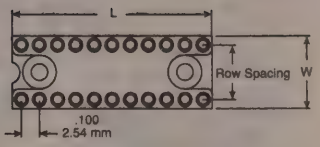
A SERIES DIP SOCKETS - SCREW MACHINE, CLOSED BODY

-finger beryllium copper contacts provide low, stable contact resistance and accept short IC leads
retention pin sockets prevent "IC walk-out" during heavy vibration
ocket design prevents solder wicking and flux entrapment

de and end stackable
sulation Material: Black Polyester Glass Filled
ammability: UL94V-0
olor: Black
ntact Shell Material: Half Hard Brass
ntact Clip Material: Beryllium Copper
sertion Force: 12 ounces max per contact
thdrawal Force: 1.5 ounces min. per contact using .017" dia. pin
rrent Rating: 1.0 A

- Acceptable Pin Sizes: Diameter: .016" - .021" (0.41 mm - 0.53 mm)
  Length: .110" - .150" (2.79 mm - 3.81 mm)
- Contact Resistance: 20 mΩ max
- Dielectric Withstanding Voltage: 500 VAC for 1 minute
- Insulation Resistance: 5000 MΩ min at 500 VDC
- Withstanding Voltage: 650 VAC for 1 minute
- Capacitance: 1 pF max
- Temperature Rating: -65°C to +125°C





For quantities of 200 and up, call for quote.

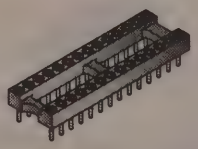
MOUSER STOCK NO.	3M Part No.	No. of Contacts	Row Spacing	Length (In.)	Width (In.)	Pin Dia. (In.)	Board Mtg. Height (In.)	Plating	Price Each 1	25	50	100
lder Tail												
7-ICA-083-S-TG	ICA-083-S-TG	8	0.300	0.395	0.395	0.020	0.174	10 µ" Gold	.23	.22	.21	.20
7-ICA-083-S-TG30	ICA-083-S-TG30	8	0.300	0.395	0.395	0.020	0.174	30 µ" Gold	.52	.48	.44	.41
7-ICA-143-S-TG	ICA-143-S-TG	14	0.300	0.695	0.395	0.020	0.174	10 µ" Gold	.39	.37	.34	.32
7-ICA-143-S-TG30	ICA-143-S-TG30	14	0.300	0.695	0.395	0.020	0.174	30 µ" Gold	.96	.88	.80	.73
7-ICA-163-S-TG	ICA-163-S-TG	16	0.300	0.795	0.395	0.020	0.174	10 µ" Gold	.45	.43	.39	.37
7-ICA-163-S-TG30	ICA-163-S-TG30	16	0.300	0.795	0.395	0.020	0.174	30 µ" Gold	.96	.88	.80	.73
7-ICA-183-S-TG30	ICA-183-S-TG30	18	0.300	0.895	0.395	0.020	0.174	30 µ" Gold	.73	.67	.63	.60
7-ICA-203-S-TG	ICA-203-S-TG	20	0.300	0.995	0.395	0.020	0.174	10 µ" Gold	1.99	1.81	1.68	1.51
7-ICA-203-S-TG30	ICA-203-S-TG30	20	0.300	0.995	0.395	0.020	0.174	30 µ" Gold	2.18	2.02	1.86	1.70
7-ICA-243-S-TG	ICA-243-S-TG	24	0.300	1.195	0.395	0.020	0.174	10 µ" Gold	.66	.61	.56	.51
7-ICA-243-S-TG30	ICA-243-S-TG30	24	0.300	1.195	0.395	0.020	0.174	30 µ" Gold	.78	.74	.67	.61
7-ICA-246-S-TG	ICA-246-S-TG	24	0.600	1.195	0.695	0.020	0.174	10 µ" Gold	.54	.50	.46	.42
7-ICA-246-S-TG30	ICA-246-S-TG30	24	0.600	1.195	0.695	0.020	0.174	30 µ" Gold	1.34	1.26	1.15	1.05
7-ICA-286-S-TG	ICA-286-S-TG	28	0.600	1.395	0.695	0.020	0.174	10 µ" Gold	1.34	1.26	1.15	1.05
7-ICA-286-S-TG30	ICA-286-S-TG30	28	0.600	1.395	0.695	0.020	0.174	30 µ" Gold	1.52	1.39	1.27	1.15
7-ICA-326-S-TG	ICA-326-S-TG	32	0.600	1.595	0.695	0.020	0.174	10 µ" Gold	.73	.68	.62	.56
7-ICA-406-S-TG	ICA-406-S-TG	40	0.600	1.995	0.695	0.020	0.174	10 µ" Gold	1.39	1.28	1.15	1.06
7-ICA-406-S-TG30	ICA-406-S-TG30	40	0.600	1.995	0.695	0.020	0.174	30 µ" Gold	1.39	1.28	1.15	1.06
re Wrap												
7-ICA-083-WB-TG30	ICA-083-WB-TG30	8	0.300	0.395	0.395	0.025	0.195	30 µ" Gold	.87	.81	.75	.68
7-ICA-143-WB-TG30	ICA-143-WB-TG30	14	0.300	0.695	0.395	0.025	0.195	30 µ" Gold	1.68	1.54	1.40	1.28
7-ICA-163-WB-TG30	ICA-163-WB-TG30	16	0.300	0.795	0.395	0.025	0.195	30 µ" Gold	1.66	1.54	1.42	1.28
7-ICA-203-WB-TG30	ICA-203-WB-TG30	20	0.300	0.995	0.395	0.025	0.195	30 µ" Gold	3.12	2.89	2.65	2.40
7-ICA-246-WB-TG30	ICA-246-WB-TG30	24	0.600	1.195	0.695	0.025	0.195	30 µ" Gold	3.12	2.89	2.65	2.40
7-ICA-286-WB-TG30	ICA-286-WB-TG30	28	0.600	1.395	0.695	0.025	0.195	30 µ" Gold	3.86	3.51	3.20	2.92
7-ICA-406-WB-TG30	ICA-406-WB-TG30	40	0.600	1.995	0.695	0.025	0.195	30 µ" Gold	3.87	3.59	3.29	2.98

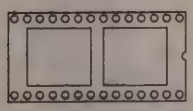
E SERIES DIP SOCKETS - SCREW MACHINE, OPEN BODY

-finger beryllium copper contacts provide low, stable contact resistance and accept short IC leads
retention pin sockets prevent "IC walk-out" during heavy vibration
ocket design prevents solder wicking and flux entrapment

de and end stackable
sulation Material: Black Polyester Glass Filled
ammability: UL94V-0
olor: Black
ntact Shell Material: Half Hard Brass
ntact Clip Material: Beryllium Copper
sertion Force: 12 ounces max per contact
thdrawal Force: 1.5 ounces min. per contact using .017" dia. pin
rrent Rating: 1.0 A

- Acceptable Pin Sizes: Diameter: .016" - .021" (0.41 mm - 0.53 mm)
  Length: .110" - .150" (2.79 mm - 3.81 mm)
- Contact Resistance: 20 mΩ max
- Dielectric Withstanding Voltage: 500 VAC for 1 minute
- Insulation Resistance: 5000 MΩ min at 500 VDC
- Withstanding Voltage: 650 VAC for 1 minute
- Capacitance: 1 pF max
- Temperature Rating: -65°C to +125°C





For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	No. of Contacts	Row Spacing	Length (In.)	Width (In.)	Pin Dia. (In.)	Board Mtg. Height (In.)	Plating	Price Each 1	25	50	100
lder Tail												
7-ICE-063-S-TG	ICE-063-S-TG	6	0.300	0.295	0.395	0.020	0.174	10 µ" Gold	.39	.37	.34	.32
7-ICE-063-S-TG30	ICE-063-S-TG30	6	0.300	0.295	0.395	0.020	0.174	30 µ" Gold	.41	.39	.36	.34
7-ICE-083-S-TG	ICE-083-S-TG	8	0.300	0.395	0.395	0.020	0.174	10 µ" Gold	.21	.20	.19	.18
7-ICE-083-S-TG30	ICE-083-S-TG30	8	0.300	0.395	0.395	0.020	0.174	30 µ" Gold	.23	.22	.21	.20
7-ICE-143-S-TG	ICE-143-S-TG	14	0.300	0.695	0.395	0.020	0.174	10 µ" Gold	.35	.33	.31	.29
7-ICE-143-S-TG30	ICE-143-S-TG30	14	0.300	0.695	0.395	0.020	0.174	30 µ" Gold	.41	.39	.36	.34
7-ICE-163-S-TG	ICE-163-S-TG	16	0.300	0.795	0.395	0.020	0.174	10 µ" Gold	.41	.38	.35	.31
7-ICE-163-S-TG30	ICE-163-S-TG30	16	0.300	0.795	0.395	0.020	0.174	30 µ" Gold	.50	.47	.42	.40
7-ICE-183-S-TG	ICE-183-S-TG	18	0.300	0.895	0.395	0.020	0.174	10 µ" Gold	.45	.43	.39	.37
7-ICE-183-S-TG30	ICE-183-S-TG30	18	0.300	0.895	0.395	0.020	0.174	30 µ" Gold	.54	.50	.46	.43
7-ICE-203-S-TG	ICE-203-S-TG	20	0.300	0.995	0.395	0.020	0.174	10 µ" Gold	.52	.48	.44	.41
7-ICE-203-S-TG30	ICE-203-S-TG30	20	0.300	0.995	0.395	0.020	0.174	30 µ" Gold	.60	.56	.51	.47
7-ICE-243-S-TG	ICE-243-S-TG	24	0.300	1.195	0.395	0.020	0.174	10 µ" Gold	.60	.56	.51	.47
7-ICE-243-S-TG30	ICE-243-S-TG30	24	0.300	1.195	0.395	0.020	0.174	30 µ" Gold	.72	.68	.62	.56
7-ICE-283-S-TG	ICE-283-S-TG	28	0.300	1.395	0.395	0.020	0.174	10 µ" Gold	.72	.68	.62	.56
7-ICE-283-S-TG30	ICE-283-S-TG30	28	0.300	1.395	0.395	0.020	0.174	30 µ" Gold	.83	.77	.71	.64
7-ICE-246-S-TG	ICE-246-S-TG	24	0.600	1.195	0.695	0.020	0.174	10 µ" Gold	.60	.56	.51	.47
7-ICE-246-S-TG30	ICE-246-S-TG30	24	0.600	1.195	0.695	0.020	0.174	30 µ" Gold	.72	.68	.62	.56
7-ICE-286-S-TG	ICE-286-S-TG	28	0.600	1.395	0.695	0.020	0.174	10 µ" Gold	.72	.68	.62	.56
7-ICE-326-S-TG	ICE-326-S-TG	32	0.600	1.595	0.695	0.020	0.174	10 µ" Gold	.81	.76	.69	.62
7-ICE-326-S-TG30	ICE-326-S-TG30	32	0.600	1.595	0.695	0.020	0.174	30 µ" Gold	.97	.91	.83	.75
7-ICE-406-S-TG	ICE-406-S-TG	40	0.600	1.995	0.695	0.020	0.174	10 µ" Gold	1.02	.93	.88	.84
7-ICE-406-S-TG30	ICE-406-S-TG30	40	0.600	1.995	0.695	0.020	0.174	30 µ" Gold	1.20	1.12	1.03	.93
7-ICE-649-S-TG	ICE-649-S-TG	64	0.600	3.195	0.995	0.020	0.174	10 µ" Gold	2.24	2.06	1.87	1.71
7-ICE-649-S-TG30	ICE-649-S-TG30	64	0.600	3.195	0.995	0.020	0.174	30 µ" Gold	3.12	2.89	2.65	2.40

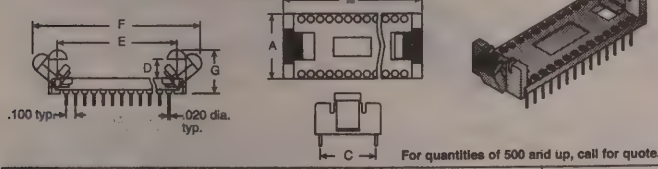
ARIES ELECTRONICS, INC.

LOCK/EJECT DIP SOCKETS

EJECT-A-DIP® is a rugged, solderable socket with a unique ejector/latch for fast in-field board maintenance. It locks in the connector or device, making it ideal for high vibration environments. When used as an ejector, it removes DIP packages without pin damage.

Specifications:

- Pin body plating: tin glass-filled polyester (PBT)
- Contact plating: 10μ" gold
- Contact current rating: 3A
- Body: UL 94V-0



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Dimensions (In.)							Price Each		
			A	B	C	D	E	F	G	1	25	100
535-14-C280-10	14-C280-10	14	.40	.95	.30	.280	.77	1.30	.54	3.21	2.94	2.65
535-16-C280-10	16-C280-10	16	.40	1.05	.30	.280	.83	1.54	.54	3.49	2.79	2.52
535-28-C182-10	28-C182-10	28	.70	1.69	.60	.182	1.47	2.00	.46	5.14	4.11	3.71
535-32-C182-10	32-C182-10	32	.70	1.89	.60	.182	1.69	2.20	.46	5.89	4.71	4.25
535-40-C182-10	40-C182-10	40	.70	2.29	.60	.182	2.07	2.60	.46	7.48	5.98	5.38

OPEN FRAME MACHINE PIN COLLET SOCKETS

Specifications:

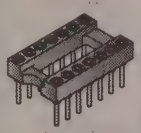
- Body: blue UL 94V-0 glass-filled polyester thermoplastic (PBT)
- Pins: 200μ" tin over 100μ" nickel plated brass
- Contacts: 10μ" gold over 50μ" nickel plated beryllium copper

Features:

- Open frame allows for more efficient utilization of board space and better cooling
- Compatible with automatic insertion equipment

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Pin Centers	Price Each			
				1	25	100	500
535-08-3518-10	08-3518-10	8	.300	.45	.41	.25	.24
535-14-3518-10	14-3518-10	14	.300	.75	.69	.41	.39
535-16-3518-10	16-3518-10	16	.300	.85	.78	.47	.45
535-18-3518-10	18-3518-10	18	.300	1.06	.97	.59	.55
535-20-3518-10	20-3518-10	20	.300	.96	.88	.52	.49
535-24-3518-10	24-3518-10	24	.300	1.19	1.10	.67	.63
535-24-6518-10	24-6518-10	24	.600	1.17	1.05	.68	.65
535-28-3518-10	28-3518-10	28	.300	1.13	1.03	.94	.88
535-28-6518-10	28-6518-10	28	.600	1.40	1.26	.81	.77
535-32-6518-10	32-6518-10	32	.600	1.59	1.43	.94	.88
535-40-6518-10	40-6518-10	40	.600	1.85	1.67	1.08	1.02
535-48-6518-10	48-6518-10	48	.600	2.41	2.17	1.60	1.51

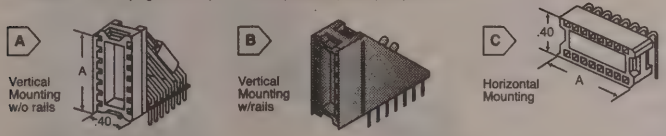


DISPLAY SOCKETS

Specifications:

- Body: red UL 94-HB glass-filled nylon
- Contacts: either 10μ" gold or 100μ" tin over 50μ" nickel plated phosphor bronze

DIMENSIONS (IN.)



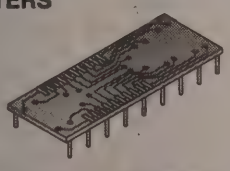
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	Fig.	A Dim. (In.)	No. of Pins	Plating	Row to Row Sp.		Price Each			
						Socket	Pin	1	25	100	500
535-14-810-90T	14-810-90T	A	.75	14	Tin	.300	.100	3.89	3.42	3.2	3.03
535-10-2810-90	10-2810-90	A	.55	10	Gold	.200	.100	5.21	4.38	3.76	3.55
535-14-810-90R	14-810-90R	B	.75	14	Tin	.300	.100	2.89	2.54	2.09	1.97
535-14-820-90T	14-820-90T	C	.75	14	Tin	.300	.100	2.84	2.58	2.32	2.19
535-14-823-90	14-823-90	C	.75	14	Gold	.300	.300	4.43	3.9	3.66	3.45
535-16-820-90T	16-820-90T	C	.85	16	Tin	.300	.100	3.03	2.75	2.47	2.34
535-40-6823-90	40-6823-90	C	2.05	40	Gold	.600	.300	13.30	11.69	10.98	10.37

SSOP IC TO DIP ADAPTERS

Specifications:

- Tin plated
- Solder tail pin
- Current rating: 1A
- Operating temperature: 105°C



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Contacts	Price Each			
			1	25	100	500
535-14-351000-10	14-351000-10	14	21.46	20.39	19.32	18.24
535-16-351000-10	16-351000-10	16	21.46	20.39	19.32	18.24
535-18-351000-10	18-351000-10	18	21.46	20.39	19.32	18.24
535-20-351000-10	20-351000-10	20	21.46	20.39	19.32	18.24
535-24-351000-10	24-351000-10	24	21.46	20.39	19.32	18.24
535-28-351000-10	28-351000-10	28	21.46	20.39	19.32	18.24

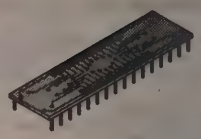
SOIC AND SOJ TO DIP ADAPTERS

Specifications:

- Board material: .062" FR-4
- Pins: brass alloy with tin over nickel plating

Features:

- Cost effective, permits upgrading to SOJ or SOIC—without changing PCB layout
- Available on .300", .400", and .600" centers



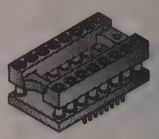
For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Pin Centers	Price Each			
				1	25	100	500
.300" Centers							
535-08-350000-10	08-350000-10	8	SOIC	6.97	5.85	5.02	4.7
535-14-350000-10	14-350000-10	14	SOIC	6.97	5.85	5.02	4.7
535-16-350000-10	16-350000-10	16	SOIC	6.97	5.85	5.02	4.7
535-18-350000-10	18-350000-10	18	SOIC	6.97	5.85	5.02	4.7
535-20-350000-10	20-350000-10	20	SOIC	6.97	5.85	5.02	4.7
535-20-350001-10	20-350001-10	20	SOJ	8.43	8.01	7.59	7.1
535-24-350000-10	24-350000-10	24	SOIC	5.38	5.11	4.84	4.5
535-28-350002-10	28-350002-10	28	SOIC	8.43	8.01	7.59	7.1
.400" Centers							
535-32-450001-10	32-450001-10	32	SOJ	10.73	10.19	9.66	9.1
.600" Centers							
535-24-650000-10	24-650000-10	24	SOIC	9.80	9.31	8.82	8.3
535-28-650000-10	28-650000-10	28	SOIC	12.22	11.61	11.00	10.3
535-32-650000-10	32-650000-10	32	SOJ	14.00	13.30	12.60	11.9

DIP TO SOIC ADAPTERS

Specifications:

- Socket body: Black, UL94V-0 Glass-filled 4/6 Nylon
- PCB: FR-4, .062" thick
- Contact current rating: 3A
- Operating temperature: 105°C



For quantities of 1000 and up, call for qu

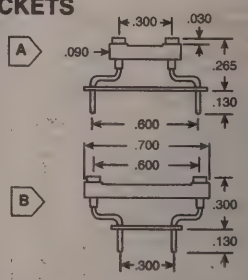
MOUSER STOCK NO.	Aries Part No.	No. of Contacts	Price Each			
			1	25	100	500
Short Adapter Pin						
535-08-354000-10	08-354000-10	8	19.71	18.73	17.74	16.7
535-14-3540-10	14-354000-10	14	20.44	19.42	18.40	17.3
535-16-354000-10	16-354000-10	16	21.12	20.07	19.01	17.9
535-20-354-000-10	20-354000-10	20	23.17	22.01	20.85	19.6
535-24-354000-10	24-354000-10	24	25.89	24.60	23.30	22.0
535-28-354000-10	28-354000-10	28	27.25	25.89	24.53	23.1
Long Adapter Pin						
535-08-354000-20	08-354000-20	8	19.71	18.73	17.74	16.7
535-14-354000-20	14-354000-20	14	20.44	19.42	18.40	17.3
535-16-354000-20	16-354000-20	16	21.12	20.07	19.01	17.9
535-20-354000-20	20-354000-20	20	23.17	22.01	20.85	19.6
535-24-354000-20	24-354000-20	24	25.89	24.60	23.30	22.0
535-28-354000-20	28-354000-20	28	27.25	25.89	24.53	23.1

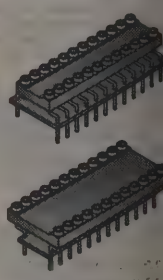
DIP ADAPTER SOCKETS

These adapter sockets allow the use of .300" center devices when the PCB is drilled on .600" centers and vice-versa, giving the flexibility of using .600" or .300" center devices in the same application.

Specifications:

- Pin body plating: tin
- 4-fingered collet contact: beryllium copper
- Contact plating: 30μ" gold
- Contact current rating: 3A
- Socket body: black UL 94-HB glass-filled nylon





For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Aries Part No.	Fig	No. of Pins	Description	Price Each		
					1	25	10
535-1106396-24	1106396-24	A	24	.300" DIP to .600" PCB adapters	10.24	7.78	7.3
535-1106396-28	1106396-28	A	28	.300" DIP to .600" PCB adapters	11.42	8.68	8.2
535-1107254-24	1107254-24	B	24	.600" DIP to .300" PCB adapters	10.24	7.78	7.3
535-1107254-28	1107254-28	B	28	.600" DIP to .300" PCB adapters	11.42	9.96	9.4

MINI-LINK™ MINIATURE JUMPER

Specifications:

- Body: black UL 94V-0 glass-filled polyester thermoplastic
- Contacts: tin over nickel plated phosphor bronze

Features:

- Mini-Link™ miniature jumpers are useful for jumpering .025" square pins on .100" centers
- Jumper terminal is partially exposed for testing

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Aries Part No.	Price Each			
		1	25	100	5
535-ME-100	ME-100	.11	.10	.09	.0

MOUSER ELECTRONICS a tti company

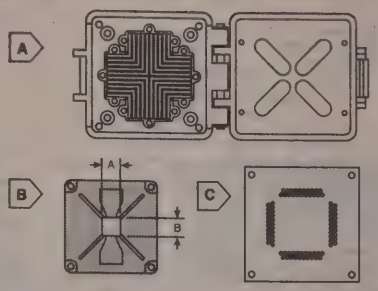
IVERSAL PLCC ZIF TEST SOCKET

ifications:

ly: black ULV-0 glass-filled
yphenylene Sulfide (PPS)
ntact pin: beryllium copper, gold
r nickel plating
ntact current rating: 1A
dware: stainless steel
cycle: 10,000 insertions max.

ures:

socket will accept all seven PLCC
s: 20, 28, 44, 52, 68 and 84 square
CC and 32 rectangular PLCC
en adapter plates are available for
h PLCC lead count
PLCC is inserted "live bug" (pins down)
also be plugged into Aries' Universal
PLCC Socket Receptacle
user Stock No. 535-84-637-10)



MOUSER STOCK NO.	Aries Part No.	Fig	No. of Pins	Dimensions (In.) A	Dimensions (In.) B	Price Each
versal PLCC ZIF Test Socket						
84-537-21	84-537-21	A	---	---	---	245.00
pter Plates						
20-537-20	20-537-20	B	20	.395/.397	.395/.397	15.60
28-537-20	28-537-20	B	28	.495/.497	.495/.497	15.60
32-537-20	32-537-20	B	32	.495/.497	.495/.497	15.60
44-537-20	44-537-20	B	44	.695/.697	.695/.697	15.60
52-537-20	52-537-20	B	52	.795/.797	.795/.797	15.60
68-537-20	68-537-20	B	68	.995/.997	.995/.997	15.60
84-537-20	84-537-20	B	84	1.195/1.197	1.195/1.197	15.60
Socket Receptacle						
84-637-10	84-637-10	C	84 pin socket receptacle for mounting Aries' Universal Sockets PLCC ZIF Test			20.80

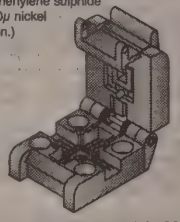
CC ZIF TEST AND BURN-IN SOCKETS

ures:

prevents bending or damaging legs
ner post provide positive package
ntation
epts JEDEC, MO-047, MO-052, & other
amic, leadless, or J-lead packages
imms required)

Specifications:

- Body: UL94V-0 glass-filled polyphenylene sulphide
- Contact plating: 12μ gold over 50μ nickel
- Life cycles: 10,000 insertions (min.)
- Contacts: beryllium copper
- Current rating: 1A

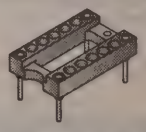


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Price Each
44-536-11	44-536-11	44	83.20
68-536-11	68-536-11	68	101.00
84-536-11	84-536-11	84	114.00

IN OSCILLATOR SOCKETS

r pin socket accepts standard oscillator packages
igned to be end-to-end or side-to-side stackable
chine insertable
y: Blue UL 94V-0 Glass-filled Polyester Thermoplastic
rating Temperature: 221°F [105°C]
ngered collet contact has 10μ" of Gold plating



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	Description	Price Each 1	25	100	500
1108800	1108800	Half Size Socket	.60	.50	.43	.40
1107741	1107741	Full Size Socket	.60	.50	.43	.40

CC TO DIP ADAPTERS

ures:

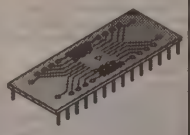
verts PLCC packaged IC's to a DIP footprint
al for prototyping, testing, and evaluation
CC sockets or PLCC contact pads

Specifications:

- Body: FR-4 plastic
- Solder tail pins: brass alloy with tin over nickel plating
- Optional PLCC socket contacts: copper alloy with tin over nickel plating
- Current rating: 1A

For quantities of 500 and up, call for quote.

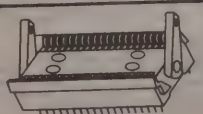
MOUSER STOCK NO.	Aries Part No.	No. of Pins	Price Each 1	25	100
n PLCC Pads					
-28-652000-10	28-652000-10	28	28.26	26.85	25.43
-44-652000-10	44-652000-10	44	26.00	24.70	23.40
-68-652000-10	68-652000-10	68	29.84	28.35	26.86
n PLCC Socket					
-28-653000-10	28-653000-10	28	32.30	30.69	29.07
-44-653000-10	44-653000-10	44	37.20	35.34	33.48
-68-653000-10	68-653000-10	68	43.06	40.91	38.75
-84-653000-10	84-653000-10	84	43.06	40.91	38.75

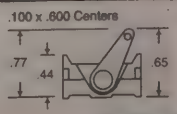


With PLCC Pads

IC SOCKETS

ZIF (Zero Insertion Force) device. Contacts
rmally open and are closed by CAM action
lied by lever arms. A tapered entry guides
to mating position with contacts.





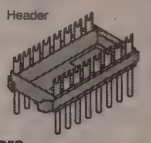
.100" DIP FORK HEADERS AND COVERS

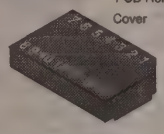
Features:

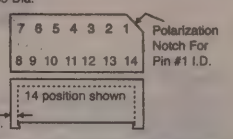
- Forked contacts accepts up to .025" Dia. leads
- Body cavity design provides additional clearance for components
- Protective covers snap on to headers

Specifications:

- Header body and covers: Red UL 94-HB Glass-filled Nylon
- Contact Rating: 2 Amps
- Operating Temperature: 221°F [105°C] Tin Plating 257°F [125°C] Gold Plating
- PCB Hole Size: .035 Dia.







Headers

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Row Spacing	Plating	Price Each 1	25	100
535-08-600-10	08-600-10	8	.300"	Tin	1.17	1.02	1.00
535-08-600-11	08-600-11	8	.300"	Gold	1.36	1.25	1.13
535-14-600-10	14-600-10	14	.300"	Tin	1.65	1.52	1.41
535-14-600-11	14-600-11	14	.300"	Gold	1.92	1.77	1.67
535-16-600-10	16-600-10	16	.300"	Tin	1.80	1.65	1.55
535-16-600-11	16-600-11	16	.300"	Gold	2.07	1.92	1.82
535-18-600-10	18-600-10	18	.300"	Tin	2.00	1.88	1.75
535-20-600-10	20-600-10	20	.300"	Tin	2.15	1.95	1.85
535-24-600-10	24-600-10	24	.600"	Tin	2.64	2.43	2.25
535-28-600-10	28-600-10	28	.600"	Tin	3.10	2.81	2.65

Covers for Headers

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Max. Component Height	Price Each 1	25	100
535-08-650-10	08-650-10	8	.125"	.52	.47	.42
535-14-650-10	14-650-10	14	.125"	.55	.47	.42
535-16-650-10	16-650-10	16	.125"	.59	.51	.46
535-18-650-10	18-650-10	18	.125"	.65	.60	.53
535-20-650-10	20-650-10	20	.125"	.65	.60	.53
535-24-650-10	24-650-10	24	.125"	.72	.65	.60
535-28-650-10	28-650-10	28	.125"	.94	.87	.79
535-14-650-20	14-650-20	14	.375"	.59	.51	.46
535-16-650-20	16-650-20	16	.375"	.59	.51	.46
535-24-650-20	24-650-20	24	.375"	.85	.72	.68

UNIVERSAL ZIF TEST SOCKETS

Aries universal test sockets accept DIP devices with row-to-row pin spacing of .300" to .600". They are direct replacements for other test sockets currently on the market.

Features:

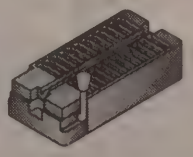
- Accepts DIP devices on .300" to .600" centers
- May be soldered directly to board or plugged into any compatible socket
- Choice of gold or tin plated contacts

Specifications:

- Body: UL94V-0 glass-filled thermoplastic
- Contacts: beryllium copper w/gold or tin over nickel
- Current rating: 1A
- Life cycles: 25,000 to 50,000 insertions

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Price Each 1	25	100
Tin Plated Contacts					
535-24-6554-10	24-6554-10	24	9.14	8.68	8.23
535-28-6554-10	28-6554-10	28	9.12	8.65	8.19
535-32-6554-10	32-6554-10	32	10.16	9.65	9.14
535-40-6554-10	40-6554-10	40	12.11	11.51	10.91
535-48-6554-10	48-6554-10	48	16.32	15.50	14.69
Gold Plated Contacts					
535-24-6554-11	24-6554-11	24	13.20	12.54	11.88
535-28-6554-11	28-6554-11	28	12.49	11.88	11.25
535-32-6554-11	32-6554-11	32	15.86	15.07	14.28
535-40-6554-11	40-6554-11	40	18.93	17.99	17.04
535-48-6554-11	48-6554-11	48	22.16	21.05	19.94



LO-PRO ZIF IC SOCKETS

These low profile ZIF IC sockets permit 24, 28, or 40 pin DIP devices to be inserted without bending or damaging the leads. No force is required to insert or remove the component from the socket.

Specifications:

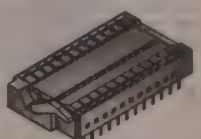
- Body: UL94V-0 glass-filled polyester thermo-plastic
- Contacts: beryllium copper with tin over nickel plating
- Current rating: 2A
- Contacts: tin plated

Features:

- CAM action compresses double sided contacts for gas tight seal
- Test point openings allow access to all pins

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Price Each 1	25	100
535-24-526-10	24-526-10	24	6.03	5.48	4.66
535-28-526-10	28-526-10	28	6.50	5.91	5.03
535-40-526-10	40-526-10	40	7.82	7.10	6.04



DIMENSIONS (IN.)

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Plating	Price Each 1	25	100	500
535-28-516-10	28-516-10	28	Tin	10.36	9.60	9.09	8.59
535-40-516-10	40-516-10	40	Tin	12.63	11.36	10.74	9.88

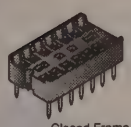
TYCO ELECTRONICS Sockets

tyco Electronics

DUAL LEAF DIP SOCKETS

- Housing: glass-filled, black UL 94V-0 rated thermoplastic
- Contact material: phosphor bronze
- Contact plating: tin or gold over nickel

E28476 LR7189


Closed Frame

Ladder Style

Closed Frame

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	No. of Pins	Body Width (In.)	Row to Row (In.)	Max Body Length (In.)	Price Each 1	25	100
Gold Plated Contacts								
571-26412964	2-641296-4	6	.394	.300	.295	.57	.45	.36
571-26404634	2-640463-4	8	.394	.300	.395	.57	.42	.34
571-26403574	2-640357-4	14	.394	.300	.695	.99	.74	.62
571-26403584	2-640358-4	16	.394	.300	.795	.87	.65	.54
571-26403594	2-640359-4	18	.394	.300	.895	.93	.74	.67
571-26404644	2-640464-4	20	.394	.300	.995	.68	.61	.58
571-26403614	2-640361-4	24	.694	.600	1.195	1.38	1.25	1.18
571-26403624	2-640362-4	28	.694	.600	1.395	.96	.87	.82
571-26403794	2-640379-4	40	.694	.600	1.995	1.28	1.15	1.09

Economy Ladder Style

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	No. of Pins	Body Width (In.)	Row to Row (In.)	Max Body Length (In.)	Price Each 1	25	100
Tin Plated Contacts								
571-3902611	390261-1	6	.394	.300	.295	.08	.06	.05
571-3902612	390261-2	8	.394	.300	.395	.08	.07	.06
571-3902613	390261-3	14	.394	.300	.695	.10	.08	.07
571-3902614	390261-4	16	.394	.300	.795	.11	.08	.07
571-3902615	390261-5	18	.394	.300	.895	.14	.10	.09
571-3902616	390261-6	20	.394	.300	.995	.16	.12	.10
571-3902617	390261-7	22	.394	.300	1.095	.18	.17	.16
571-3902618	390261-8	24	.394	.300	1.195	.19	.17	.16
571-3902619	390261-9	28	.394	.300	1.395	.28	.25	.22
571-3902621	390262-1	24	.694	.600	1.195	.24	.18	.15
571-3902622	390262-2	28	.694	.600	1.395	.26	.20	.16
571-3902632	390263-2	32	.694	.600	1.595	.24	.20	.18
571-3902625	390262-5	40	.694	.600	1.995	.35	.26	.22
571-3902627	390262-7	48	.694	.600	2.395	.42	.40	.38
Gold Plated Contacts								
571-26415994	2-641599-4	14	.394	.300	.695	.56	.50	.48
571-26416004	2-641600-4	16	.394	.300	.795	.52	.47	.44
571-26416024	2-641602-4	20	.394	.300	.995	.88	.80	.75
571-26416044	2-641604-4	24	.694	.600	1.195	1.20	1.08	1.02
571-26416054	2-641605-4	28	.694	.600	1.395	.96	.86	.82
571-26416064	2-641606-4	40	.694	.600	1.995	1.70	1.53	1.45

SIMM SOCKETS

Specifications:
- Housing material: liquid crystal polymer UL 94V-0
- Contact material: phosphor bronze
- Vertical Mounting, .050 Centerline
- 72 position, single row

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Contact Plating	Polarization	Price Each 1	25	100
571-8220194 *	822019-4	Tin	Right	3.28	2.95	2.79
571-8220303	822030-3	Tin	Left	2.84	2.56	2.42

* without center post

E28476 LR7189

TO-3 POWER TRANSISTOR SOCKETS

- Temperature rating: 170°C max.
- Insulation resistance: 500MΩ
- Breakdown voltage: 800VRMS
- Contact resistance: 10mΩ max.
- Current rating: 10A max.
- Force: 12 oz. average retention

MOUSER STOCK NO.	Tyco Electronics Part No.	Lead Dia. (In.)	Contact Plating	Price Each 1	25	100	500
506-8080-1G24	4-1437504-0	0.04	Tin	4.96	4.46	4.22	3.97
506-8080-1G25	4-1437504-1	0.04	Gold	9.88	8.90	8.40	7.90
506-8080-1G35	4-1437504-7	0.06	Tin	8.90	8.01	7.57	7.12

LOW PROFILE TRANSISTOR SOCKET

- Insulator color: Brown

MOUSER STOCK NO.	Tyco Electronics Part No.	Type Leads	No. of Contacts	Contact/Sleeve Plating	Price Each 1	25	100	500
506-8058-1G49	2-1437508-4	PC	8	Gold	9.48	8.53	8.06	7.58

SIP BREAK-A-WAY SOCKETS

- Gold plated contacts
- .100" grid spacing
- 10 pin strips

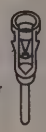
For quantities of 1000 and up, call for quote

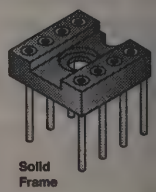
MOUSER STOCK NO.	Tyco Electronics Part No.	Type	Sleeve Plating	Price Each 1	25	100	500
506-510-AG91D	2-1437535-9	PC mount	Tin	2.00	1.76	1.67	1.57
506-510-AG91F	7-1437530-7	Wirewound	Tin	5.85	5.26	4.96	4.67
506-510-AG90D	2-1437530-8	PC mount	Gold	2.38	2.15	2.03	1.91

DIP SOCKETS

With Machined Contacts, Solid Frame

Tapered entry with four-finger machined inner contact and machined outer sleeve. Contact features closed end construction eliminating any solder or flux wicking problems. Meets most severe military requirements for high shock and vibration.


Precision Machined Four-Finger Inner Contact


Solid Frame

- Low profile
- XY stackable
- UL rated 94V-0, thermoplastic polyester insulator
- PC Mounting

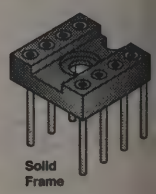
For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Tyco Electronics Part No.	No. of Contacts	Pin Spacing (In.)	Price Each 1	25	100	500
Gold Plated Contact and Tin Plated Sleeve							
506-508-AG11D	7-1437529-9	8	.3 x .1	1.50	1.35	1.28	1.20
506-514-AG11D	2-1437531-0	14	.3 x .1	1.86	1.67	1.58	1.49
506-516-AG11D	1437536-5	16	.3 x .1	2.00	1.80	1.70	1.60
506-524-AG11D	4-1437536-0	24	.6 x .1	6.08	5.47	5.17	4.86
Gold Plated Contact and Sleeve							
506-508-AG10D	7-1437529-5	8	.3 x .1	3.16	2.85	2.69	2.53
506-514-AG10D	1-1437531-7	14	.3 x .1	3.78	3.40	3.21	3.02

ECONOMY IC SOCKETS

Economy series DIP IC sockets with stamped and rolled contacts. Contacts have tapered entry ensuring proper targeting for automatic and manual IC loading. Sockets also feature four fingered beryllium copper inner contacts.

Stamped and Rolled Four-Finger Inner Contact

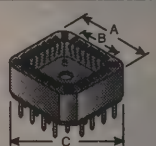

Solid Frame

- Gold contact, tin sleeve
- PC Mounting

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Tyco Electronics Part No.	No. of Contacts	Pin Spacing (In.)	Price Each 1	25	100	500
Solid Frame							
506-508AG11D-ES	1-1437535-4	8	.3 x .1	.84	.76	.72	.67
506-514AG11D-ES	9-1437535-3	14	.3 x .1	.88	.80	.75	.71
506-516AG11D-ES	1437536-6	16	.3 x .1	.90	.81	.77	.72
506-518AG11D-ES	1-1437536-5	18	.3 x .1	2.28	2.05	1.94	1.82
506-520AG11D-ES	2-1437536-6	20	.3 x .1	1.12	1.01	.95	.90
506-528AG11D-ES	5-1437536-6	28	.6 x .1	1.12	1.01	.95	.90
506-540AG11D-ES	7-1437536-5	40	.6 x .1	1.98	1.78	1.68	1.58

PLCC SOCKETS



Specifications:
- Thru-Hole, Economy
- Housing material: UL94V-O thermoplastic
- Contact material: phosphor bronze
- Contact plating: Tin-lead over Nickel

Sockets

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Tyco Electronics Part No.	No. of Pins	Dimensions (In.) A	B	C	Price Each 1	25	100	500
571-8224732	822473-2	28	0.713	0.300	0.815	.72	.65	.62	.58
571-8224734	822473-4	44	0.913	0.500	1.090	1.03	.93	.88	.82
571-8224735	822473-5	52	1.010	0.600	1.240	.96	.86	.81	.77
571-8224737	822473-7	84	1.410	1.000	1.820	1.13	1.01	.95	.89

Extraction Tool

MOUSER STOCK NO.	Tyco Electronics Part No.	Price Each 1	5
571-822154-1	822154-1	2.52	2.12

Extraction Tool

MOUSER ELECTRONICS a tti company

(800) 346-6873

PLCC SOCKETS - SURFACE MOUNT

ures:
ndard JEDEC (type A) mounting pad
v profile: .175" (4.45)
emp: IR reflow compatible plastic
arization indicators assure positive
o carrier orientation
nter pad for pick and place

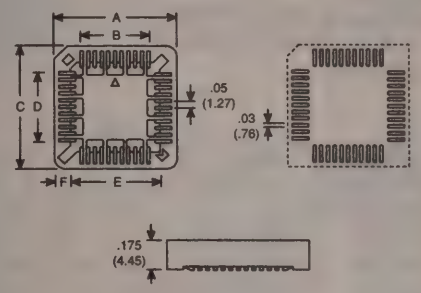
Specifications:
- Operating temperature: -50°C ~ 125°C
- Current rating: 1A
- Insulation resistance: 10,000MΩ
- Contact resistance: 20mΩ
- Contact material: Phosphor bronze alloy
- Contact plating: 150µ" tin, 40µ" nickel (min.)
- Capacitance: 1.0pF max.
- Withstanding voltage: 600V
- Flammability rated: UL94V-0

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Contacts	Dimensions: In.						Price Each		
				A	B	C	D	E	F	1	25	100
-PLCC20P-T-SMT	PLCC-20P-T-SMT	A	20	.600	.200	.600	.200	.334	.133	.40	.38	.36
-PLCC28P-T-SMT	PLCC-28P-T-SMT	A	28	.700	.300	.700	.300	.434	.133	.70	.68	.66
-PLCC32P-T-SMT	PLCC-32P-T-SMT	A	32	.700	.300	.700	.300	.434	.133	.47	.42	.36
-PLCC44P-T-SMT	PLCC-44P-T-SMT	A	44	.900	.500	.900	.500	.634	.133	.46	.44	.42
-PLCC52P-T-SMT	PLCC-52P-T-SMT	A	52	1.000	.600	1.000	.600	.734	.133	.74	.59	.54
-PLCC68P-T-SMT	PLCC-68P-T-SMT	A	68	1.213	.800	1.213	.800	.934	.140	.67	.61	.58
-PLCC84P-T-SMT	PLCC-84P-T-SMT	A	84	1.413	1.000	1.413	1.000	1.134	.140	.78	.71	.68

DIMENSIONS: IN (mm)

A



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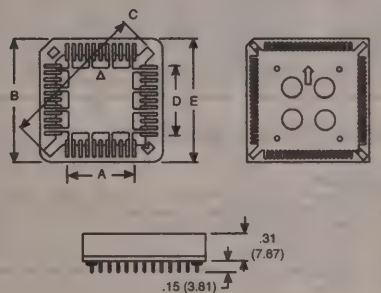


PLCC SOCKETS - THRU-HOLE

ures:
ndard JEDEC (type A) mounting pad
v profile: .310" (7.87)
emp: IR reflow compatible plastic
arization indicators assure positive
o carrier orientation
nter pad for pick and place

Specifications:
- Operating temperature: -50°C ~ 125°C
- Current rating: 1A
- Insulation resistance: 10,000MΩ
- Contact resistance: 30mΩ
- Contact material: Phosphor bronze alloy
- Contact plating: 150µ" tin, 40µ" nickel (min.)
- Capacitance: 1.0 pF max.
- Withstanding voltage: 600V
- Flammability rated: UL94V-0

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Contacts	Contact Plating	Dimensions In.					Price Each		
					A	B	C	D	E	1	25	100
-PLCC20P-T	PLCC-20P-T	B	20	Tin	.200	.613	.720	.200	.613	.52	.47	.40
-PLCC28P-T	PLCC-28P-T	B	28	Tin	.300	.713	.861	.300	.713	.52	.47	.40
-PLCC32P-T	PLCC-32P-T	B	32	Tin	.300	.700	.941	.300	.700	.47	.42	.36
-PLCC44P-T	PLCC-44P-T	B	44	Tin	.500	.913	1.144	.500	.913	.66	.58	.48
-PLCC52P-T	PLCC-52P-T	B	52	Tin	.600	1.060	1.303	.600	1.060	.68	.60	.49
-PLCC68P-T-2	PLCC-68P-T-2	B	68	Tin	.800	1.217	1.575	.800	1.217	.76	.67	.57
-PLCC84P-T-2	PLCC-84P-T-2	B	84	Tin	1.000	1.417	1.858	1.000	1.417	.79	.72	.61

B

BICONN PLASTIC LEADED CHIP CARRIER (PLCC) SOCKETS SMT AND THRU-HOLE

ures:
cepts JEDEC type A chips
arization indicator to assure
ltive chip carrier alignment
v profile

Specifications:
- Contact resistance: 30mΩ max. @ 100mA DC
- Insulator resistance: 1000MΩ min. @ 500VDC
- Current rating: 1A
- Voltage rating: 500VAC for 1 minute
- Operating temp.: -55°C ~ 105°C
- Contact material: Tin/gold plated phosphor bronze
- Housing material: PPS and 40% glass fiber (UL 94V-0)

u-Hole

For quantities of 1,000 and up, call for quote.

OUSER OCK NO.	Fig.	No. of Contacts	Contact Plating	Dimensions: In.					Price Each			
				A	B	C	D	E	1	50	100	500
-1521	A	20	Gold	.61	.61	.66	.20	.20	.51	.42	.39	.36
-1529	A	28	Gold	.71	.71	.80	.30	.30	.54	.45	.42	.38
-1533	A	32	Gold	.71	.81	.88	.30	.40	.56	.46	.43	.39
-1545	A	44	Gold	.93	.93	1.09	.50	.50	.62	.51	.47	.44
-1553	A	52	Gold	1.02	1.02	1.24	.60	.60	.69	.57	.53	.49
-1569	A	68	Gold	1.22	1.22	1.50	.80	.80	.78	.65	.60	.55
-1585	A	84	Gold	1.42	1.42	1.80	1.00	1.00	.77	.71	.65	.60

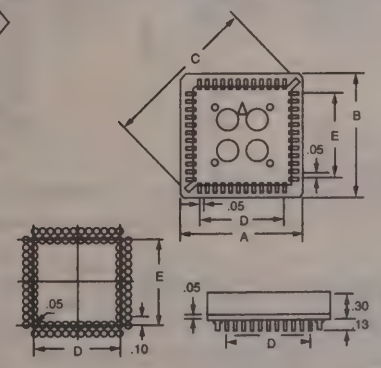
T

For quantities of 1,000 and up, call for quote.

OUSER OCK NO.	Fig.	No. of Contacts	Contact Plating	Dimensions: In.					Price Each			
				A	B	C	D	E	1	50	100	500
-1522	B	20	Tin	.61	.61	.63	.20	.20	.38	.37	.35	.32
-1530	B	28	Tin	.71	.71	.77	.30	.30	.38	.37	.35	.32
-1534	B	32	Tin	.71	.81	.88	.30	.40	.39	.38	.36	.33
-1546	B	44	Tin	.93	.93	1.09	.50	.50	.48	.47	.44	.40
-1554	B	52	Tin	1.02	1.02	1.22	.60	.60	.65	.64	.60	.55
-1570	B	68	Tin	1.25	1.25	1.50	.80	.80	.62	.61	.57	.52
-1586	B	84	Tin	1.42	1.42	1.76	1.00	1.00	.72	.71	.67	.61

DIMENSIONS: IN

A



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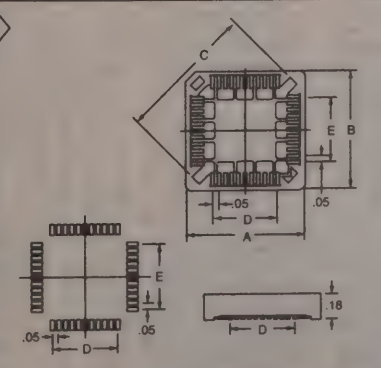
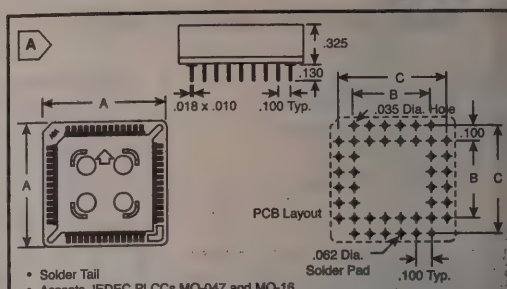


Sockets

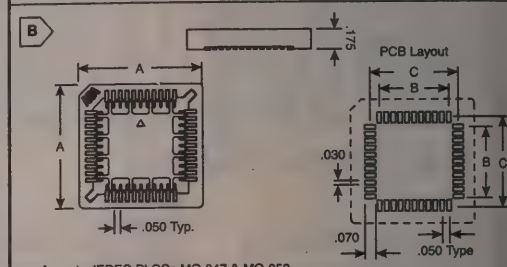
MILL-MAX PLCC Sockets

STANDARD PLCC SOCKETS

Specifications:
- Contacts: Phosphor Bronze with tin/lead finish
- Insulator: PPS Polyphenylene Sulfide, Rated UL94V-0
- Current rating: Thru-hole type 1A, SMD type 1A
- Operating Temp: -55 to +105 C
- Contact Pressure: 150 grams min.
- Capacitance: 1pF max.



- Solder Tail
- Accepts JEDEC PLCCs MO-047 and MO-16
- Standoffs provide clearance for heat dissipation and cleaning.



- Accepts JEDEC PLCCs MO-047 & MO-052
- Low profile
- Standoffs provide clearance for heat dissipation and cleaning.

DIMENSIONS (IN.)

∗ Rectangular

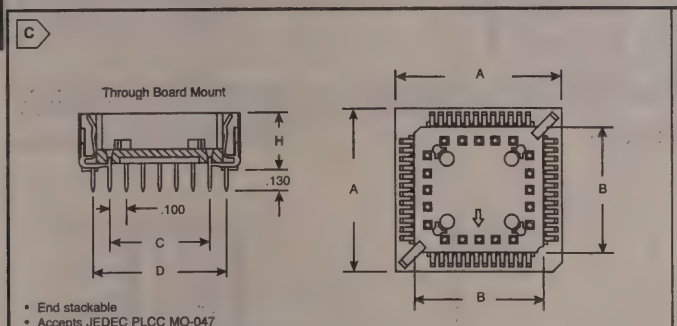
For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Pins	Fig.	A Inch	B Inch	C Inch	Price Each 1	10	100	500	1000	5000
Through Board Mount												
575-202494	940-99-020-24-000	20	A	.613	.200	.400	.81	.73	.59	.45	.44	.42
575-282494	940-99-028-24-000	28	A	.713	.300	.500	.71	.63	.51	.39	.38	.37
575-322494∗	940-99-032-24-000	32	A	.813/.713	.400/.300	.600/.500	.73	.65	.53	.40	.39	.37
575-442494	940-99-044-24-000	44	A	.913	.500	.700	.74	.66	.53	.41	.40	.38
575-522494	940-99-052-24-000	52	A	1.013	.600	.800	.79	.71	.57	.44	.43	.41
575-682494	940-99-068-24-000	68	A	1.213	.800	1.000	.81	.73	.59	.45	.44	.42
575-842494	940-99-084-24-000	84	A	1.413	1.000	1.200	1.02	.91	.73	.56	.54	.53
Surface Mount												
575-201794	940-99-020-17-400	20	B	.613	.200	.334	.74	.66	.53	.41	.40	.38
575-281794	940-99-028-17-400	28	B	.713	.300	.434	.82	.74	.60	.45	.44	.42
575-321794∗	940-99-032-17-400	32	B	.813/.713	.400/.300	.534/.434	.66	.59	.47	.36	.35	.34
575-441794	940-99-044-17-400	44	B	.900	.500	.634	.78	.69	.56	.43	.42	.40
575-521794	940-99-052-17-400	52	B	1.013	.600	.734	.95	.85	.69	.52	.50	.49
575-681794	940-99-068-17-400	68	B	1.213	.800	1.000	.93	.83	.67	.51	.49	.48
575-841794	940-99-084-17-400	84	B	1.413	1.000	1.200	1.17	1.05	.85	.65	.63	.61

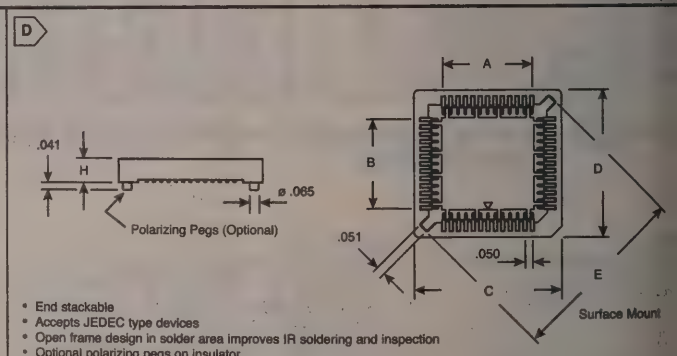
COMPACT PLCC SOCKETS

Specifications:
- Contacts: Plated copper alloy overall nickel underplating, tin/lead finish
- Insulator: Glass filled thermoplastic, self-extinguishing rated, UL94V-0, color black
- Current rating: Thru-hole type 2A, SMD type 1A
- Operating Temp: -55 to +125 C
- Contact Pressure: 150 grams min.
- Capacitance: 2pF max.

DIMENSIONS (IN



- End stackable
- Accepts JEDEC PLCC MO-047
- Body has polarizing features for both substrate and socket insertion
- High reliable contacts



- End stackable
- Accepts JEDEC type devices
- Open frame design in solder area improves IR soldering and inspection
- Optional polarizing pegs on insulator

∗ Rectangular

For quantities of 10,000 and up, call for quot

MOUSER STOCK NO.	Mill-Max Part No.	No. of Pins	Fig.	A Inch	B Inch	C Inch	D Inch	E Inch	H Inch	Price Each 1	10	100	500	1000	5000
Through Board Mount															
575-202454	540-99-020-24-000	20	C	.590	.360	.200	.400	-----	.358	1.11	.97	.88	.75	.73	.71
575-282454	540-99-028-24-000	28	C	.690	.460	.300	.500	-----	.358	1.37	1.21	1.10	.93	.90	.88
575-322454∗	540-99-032-24-000	32	C	.783/ .683	.564/ .464	.400/ .300	.600/ .500	-----	.358	1.49	1.31	1.19	1.01	.98	.95
575-442454	540-99-044-24-000	44	C	.890	.660	.500	.700	-----	.358	1.48	1.30	1.18	1.00	.97	.94
575-522454	540-99-052-24-000	52	C	.990	.760	.600	.800	-----	.358	2.06	1.81	1.65	1.40	1.36	1.32
575-682454	540-99-068-24-000	68	C	1.190	.960	.800	1.000	-----	.358	1.87	1.64	1.49	1.27	1.23	1.20
575-842454	540-99-084-24-000	84	C	1.390	1.160	1.000	1.200	-----	.358	2.39	2.10	1.91	1.62	1.57	1.52
Surface Mount															
575-201754	540-99-020-17-400	20	D	.200	.200	.585	.585	.657	.180	1.26	1.10	1.00	.85	.82	.80
575-281754	540-99-028-17-400	28	D	.300	.300	.685	.685	.799	.180	1.29	1.13	1.03	.87	.84	.82
575-321754∗	540-99-032-17-400	32	D	.300	.400	.650	.766	.885	.168	1.25	1.10	1.00	.85	.83	.80
575-441754	540-99-044-17-400	44	D	.500	.500	.885	.885	1.082	.180	1.67	1.47	1.34	1.14	1.11	1.07
575-521754	540-99-052-17-400	52	D	.600	.600	1.000	1.000	1.224	.180	1.78	1.56	1.42	1.21	1.17	1.14
575-681754	540-99-068-17-400	68	D	.800	.800	1.202	1.202	1.507	.180	1.98	1.74	1.58	1.34	1.30	1.26
575-841754	540-99-084-17-400	84	D	1.000	1.000	1.400	1.400	1.791	.180	2.21	1.94	1.77	1.50	1.46	1.41
Surface Mount with Polarizing Pegs															
575-202754	540-99-020-17-400200	20	D	.200	.200	.585	.585	.657	.180	1.26	1.10	1.00	.85	.82	.80
575-282754	540-99-028-17-400200	28	D	.300	.300	.685	.685	.799	.180	1.29	1.13	1.03	.87	.84	.82
575-322754∗	540-99-032-17-400200	32	D	.300	.400	.650	.766	.885	.168	1.37	1.21	1.10	.93	.90	.88
575-442754	540-99-044-17-400200	44	D	.500	.500	.885	.885	1.082	.180	1.67	1.47	1.34	1.14	1.11	1.07
575-522754	540-99-052-17-400200	52	D	.600	.600	1.000	1.000	1.224	.180	1.78	1.56	1.42	1.21	1.17	1.14
575-682754	540-99-068-17-400200	68	D	.800	.800	1.202	1.202	1.507	.180	1.98	1.74	1.58	1.34	1.30	1.26
575-842754	540-99-084-17-400200	84	D	1.000	1.000	1.400	1.400	1.791	.180	2.21	1.94	1.77	1.50	1.46	1.41

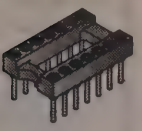
MILL-MAX DIP IC Sockets

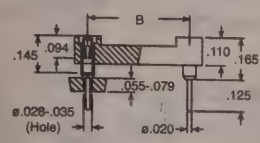
ANDARD LOW PROFILE IC SOCKETS

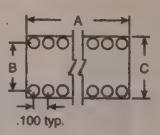
H SCREW MACHINED SLEEVES

res open frame design which leaves space beneath the IC for improved heat dissipation and easier PCB ng and inspection. 4 finger inner contact is stamped beryllium copper, press fitted into a precision, machined, receptacle sleeve.

DIMENSIONS (IN.)







• Sleeve: 200µ" tin
• Contact: 200µ" tin

Sleeve, Tin Contact

For quantities of 1,000 and up, call for quote.

OUSER OCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.) A	B	C	Price Each 1	10	100	500
-199308	110-99-308-41-001	8	.4	.3	.4	.20	.19	.18	.17
-199314	110-99-314-41-001	14	.7	.3	.4	.34	.31	.27	.26
-199316	110-99-316-41-001	16	.8	.3	.4	.38	.35	.31	.29
-199318	110-99-318-41-001	18	.9	.3	.4	.43	.40	.34	.32
-199320	110-99-320-41-001	20	1.0	.3	.4	.48	.44	.38	.36
-199324	110-99-324-41-001	24	1.2	.3	.4	.58	.52	.47	.43
-199328	110-99-328-41-001	28	1.4	.3	.4	.67	.62	.53	.50
-199424	110-99-424-41-001	24	1.2	.4	.5	.58	.52	.47	.43
-199624	110-99-624-41-001	24	1.2	.6	.7	.58	.52	.47	.43
-199628	110-99-628-41-001	28	1.4	.6	.7	.67	.62	.53	.50
-199632	110-99-632-41-001	32	1.6	.6	.7	.77	.70	.61	.58
-199640	110-99-640-41-001	40	2.0	.6	.7	.96	.88	.76	.72
-199648	110-99-648-41-001	48	2.4	.6	.7	1.15	1.06	.91	.86
-199964	110-99-964-41-001	64	3.2	.9	1.0	1.54	1.41	1.22	1.15

Sleeve, Gold Contact

• Sleeve: 200µ" tin • Contact: 30µ" gold

-193308	110-93-308-41-001	8	.4	.3	.4	.26	.23	.20	.18
-193314	110-93-314-41-001	14	.7	.3	.4	.45	.41	.35	.32
-193316	110-93-316-41-001	16	.8	.3	.4	.50	.45	.38	.37
-193318	110-93-318-41-001	18	.9	.3	.4	.58	.52	.45	.41
-193320	110-93-320-41-001	20	1.0	.3	.4	.64	.58	.50	.46
-193324	110-93-324-41-001	24	1.2	.3	.4	.77	.70	.60	.55
-193328	110-93-328-41-001	28	1.4	.3	.4	.90	.81	.70	.64
-193422	110-93-422-41-001	22	1.1	.4	.5	.70	.64	.55	.51
-193424	110-93-424-41-001	24	1.2	.4	.5	.77	.70	.60	.55
-193624	110-93-624-41-001	24	1.2	.6	.7	.77	.70	.60	.55
-193628	110-93-628-41-001	28	1.4	.6	.7	.90	.81	.70	.64
-193632	110-93-632-41-001	32	1.6	.6	.7	1.02	.93	.80	.74
-193640	110-93-640-41-001	40	2.0	.6	.7	1.28	1.16	1.00	.92
-193648	110-93-648-41-001	48	2.4	.6	.7	1.54	1.39	1.20	1.10
-193950	110-93-950-41-001	50	2.5	.9	1.0	1.60	1.45	1.25	1.15
-193964	110-93-964-41-001	64	3.2	.9	1.0	2.05	1.86	1.60	1.47

d Sleeve, Gold Contact

• Sleeve: 10µ" gold • Contact: 30µ" gold

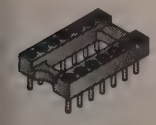
-113308	110-13-308-41-001	8	.4	.3	.4	.35	.32	.28	.27
-113314	110-13-314-41-001	14	.7	.3	.4	.62	.56	.50	.46
-113316	110-13-316-41-001	16	.8	.3	.4	.71	.64	.57	.53
-113318	110-13-318-41-001	18	.9	.3	.4	.79	.72	.64	.59
-113320	110-13-320-41-001	20	1.0	.3	.4	.89	.80	.71	.67
-113324	110-13-324-41-001	24	1.2	.3	.4	1.06	.96	.85	.79
-113328	110-13-328-41-001	28	1.4	.3	.4	1.23	1.12	1.00	.92
-113624	110-13-624-41-001	24	1.2	.6	.7	1.06	.96	.85	.79
-113628	110-13-628-41-001	28	1.4	.6	.7	1.23	1.12	1.00	.92
-113632	110-13-632-41-001	32	1.6	.6	.7	1.41	1.28	1.13	.06
-113640	110-13-640-41-001	40	2.0	.6	.7	1.76	1.60	1.42	1.32
-113648	110-13-648-41-001	48	2.4	.6	.7	2.11	1.92	1.73	1.58
-113950	110-13-950-41-001	50	2.5	.6	.7	2.20	2.00	1.80	1.65
-113964	110-13-964-41-001	64	3.2	.9	1.0	2.82	2.56	2.27	2.11

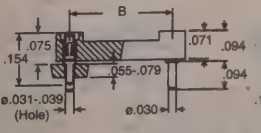
TRA LOW PROFILE IC SOCKETS

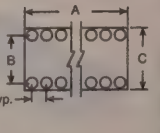
H SCREW MACHINED SLEEVES

t height is .095" above the printed circuit board. It has all the features of the standard low profile series ng open frame design, for maximum heat dissipation and easier cleaning. 4 finger stamped beryllium copper contact, press fitted into a precision machined brass receptacle sleeve.

DIMENSIONS (IN.)







ve: 200µ" tin • Contact: 30µ" gold

For quantities of 1,000 and up, call for quote.

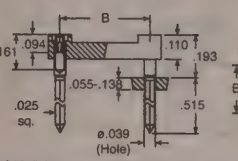
OUSER OCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.) A	B	C	Price Each 1	10	100	500
-393308	115-93-308-41-003	8	.4	.3	.4	.40	.36	.32	.30
-393314	115-93-314-41-003	14	.7	.3	.4	.70	.63	.56	.49
-393316	115-93-316-41-003	16	.8	.3	.4	.80	.72	.64	.56
-393318	115-93-318-41-003	18	.9	.3	.4	.90	.81	.72	.63
-393320	115-93-320-41-003	20	1.0	.3	.4	1.00	.90	.80	.70
-393324	115-93-324-41-003	24	1.2	.3	.4	1.20	1.08	.96	.84
-393328	115-93-328-41-003	28	1.4	.3	.4	1.40	1.26	1.12	.98
-393422	115-93-422-41-003	22	1.1	.4	.5	1.10	.99	.88	.77
-393424	115-93-424-41-003	24	1.2	.4	.5	1.20	1.08	.96	.84
-393624	115-93-624-41-003	24	1.2	.6	.7	1.20	1.08	.96	.84
-393628	115-93-628-41-003	28	1.4	.6	.7	1.40	1.26	1.12	.98
-393632	115-93-632-41-003	32	1.6	.6	.7	1.60	1.44	1.28	1.12
-393640	115-93-640-41-003	40	2.0	.6	.7	2.00	1.80	1.60	1.40
-393648	115-93-648-41-003	48	2.4	.6	.7	2.40	2.16	1.92	1.68

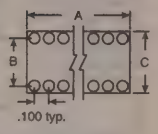
3-LEVEL WIRE WRAP IC SOCKETS

WITH SCREW MACHINED SLEEVES

Socket has .515" terminal lengths for 3 level, solderless, wire wrapping. Terminals are locked into the insulator body to withstand the torques of wrapping tool. Open frame design for easier PCB cleaning and maximum heat dissipation. Features a 4 finger inner contact of beryllium copper, press fit into a precision machined brass receptacle sleeve.

DIMENSIONS (IN.)





• Sleeve: 200µ" tin
• Contact: 30µ" gold

Tin Sleeve, Gold Contact

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.) A	B	C	Price Each 1	10	100	500
575-293308	123-93-308-41-001	8	.4	.3	.4	.56	.48	.40	.37
575-293314	123-93-314-41-001	14	.7	.3	.4	.98	.84	.70	.63
575-293316	123-93-316-41-001	16	.8	.3	.4	1.12	.96	.80	.72
575-293318	123-93-318-41-001	18	.9	.3	.4	1.26	1.08	.90	.81
575-293320	123-93-320-41-001	20	1.0	.3	.4	1.40	1.20	1.00	.90
575-293324	123-93-324-41-001	24	1.2	.3	.4	1.68	1.44	1.20	1.08
575-293328	123-93-328-41-001	28	1.4	.3	.4	1.96	1.68	1.40	1.26
575-293422	123-93-422-41-001	22	1.1	.4	.5	1.54	1.32	1.10	.99
575-293424	123-93-424-41-001	24	1.2	.4	.5	1.68	1.44	1.20	1.08
575-293624	123-93-624-41-001	24	1.2	.6	.7	1.68	1.44	1.20	1.08
575-293628	123-93-628-41-001	28	1.4	.6	.7	1.96	1.68	1.40	1.26
575-293632	123-93-632-41-001	32	1.6	.6	.7	2.24	1.92	1.60	1.44
575-293640	123-93-640-41-001	40	2.0	.6	.7	2.80	2.40	2.00	1.80
575-293648	123-93-648-41-001	48	2.4	.6	.7	3.36	2.88	2.40	2.16
575-293950	123-93-950-41-001	50	2.5	.9	1.0	3.50	3.00	2.50	2.25
575-293964	123-93-964-41-001	64	3.2	.9	1.0	4.48	3.84	3.20	2.88

Gold Sleeve, Gold Contact

• Sleeve: 10µ" gold • Contact: 30µ" gold

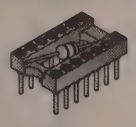
575-213308	123-13-308-41-001	8	.4	.3	.4	.72	.64	.56	.52
575-213314	123-13-314-41-001	14	.7	.3	.4	1.26	1.12	.98	.91
575-213316	123-13-316-41-001	16	.8	.3	.4	1.44	1.28	1.12	1.04
575-213318	123-13-318-41-001	18	.9	.3	.4	1.62	1.44	1.26	1.17
575-213320	123-13-320-41-001	20	1.0	.3	.4	1.80	1.60	1.40	1.30
575-213422	123-13-322-41-001	22	1.1	.3	.4	1.98	1.76	1.54	1.43
575-213324	123-13-324-41-001	24	1.2	.3	.4	2.16	1.92	1.68	1.56
575-213624	123-13-624-41-001	24	1.2	.6	.7	2.16	1.92	1.68	1.56
575-213628	123-13-628-41-001	28	1.4	.6	.7	2.52	2.24	1.96	1.82
575-213640	123-13-640-41-001	40	2.0	.6	.7	3.60	3.20	2.80	2.60

IC SOCKETS W/ INTEGRAL DECOUPLING CAPACITOR

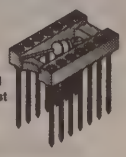
• Capacitor: .1µF 20%-50V
• Temperature range: -25°C to + 85°C

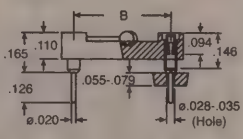
DIMENSIONS (IN.)

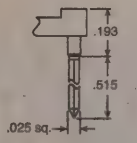
Solder Tail

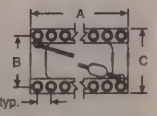


3 Level Wrapost









• Sleeve: 200µ" tin • Contact: 30µ" gold

Tin Sleeve, Gold Contact, Solder Tail

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.) A	B	C	Price Each 1	10	100	500
575-493314	110-93-314-41-801	14	0.7	0.3	0.4	1.40	1.18	1.06	.90
575-493316	110-93-316-41-801	16	0.8	0.3	0.4	1.50	1.26	1.14	.96
575-493318	110-93-318-41-801	18	0.9	0.3	0.4	1.60	1.35	1.22	1.03
575-493320	110-93-320-41-801	20	1.0	0.3	0.4	1.63	1.37	1.24	1.04
575-493324	110-93-324-41-801	24	1.2	0.3	0.4	1.87	1.56	1.42	1.19
575-493624	110-93-624-41-801	24	1.2	0.6	0.7	2.06	1.73	1.56	1.23
575-493628	110-93-628-41-801	28	1.4	0.6	0.7	2.22	1.87	1.69	1.42
575-493640	110-93-640-41-801	40	2.0	0.6	0.7	2.62	2.20	1.99	1.68

Gold Sleeve, Gold Contact, Solder Tail

• Sleeve: 10µ" gold • Contact: 30µ" gold

575-413314	110-13-314-41-801	14	.7	.3	.4	1.65	1.39	1.26	1.06
575-413316	110-13-316-41-801	16	.8	.3	.4	1.81	1.52	1.38	1.16
575-413318	110-13-318-41-801	18	.9	.3	.4	1.94	1.63	1.47	1.24
575-413320	110-13-320-41-801	20	1.0	.3	.4	2.00	1.68	1.52	1.28
575-413324	110-13-324-41-801	24	1.2	.3	.4	2.31	1.94	1.75	1.48
575-413624	110-13-624-41-801	24	1.2	.6	.7	2.50	2.10	1.90	1.60
575-413628	110-13-628-41-801	28	1.4	.6	.6	2.72	2.29	2.07	1.74
575-413640	110-13-640-41-801	40	2.0	.6	.7	3.22	2.70	2.45	2.06

Tin Sleeve, Gold Contact, 3 Level Wrapost

• Sleeve: 200µ" tin • Contact: 30µ" gold

575-593314	123-93-314-41-801	14	.7	.3	.4	2.83	1.90	1.72	1.45
575-593316	123-93-316-41-801	16	.8	.3	.4	3.13	2.10	1.90	1.60
575-593318	123-93-318-41-801	18	.9	.3	.4	3.38	2.27	2.05	1.73
575-593320	123-93-320-41-801	20	1.0	.3	.4	3.53	2.37	2.14	1.80
575-593324	123-93-324-41-801	24	1.2	.3	.4	4.34	2.91	2.64	2.22
575-593628	123-93-628-41-801	28	1.4	.6	.7	4.84	3.25	2.94	2.48
575-593640	123-93-640-41-801	40	2.0	.6	.7	6.10	4.10	3.71	3.12

Sockets

Mill-Max

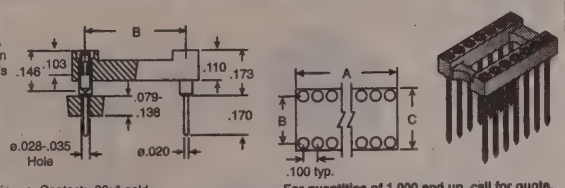
MILL-MAX DIP IC Sockets

DUAL-IN-LINE SOCKETS

Long Solder Tail for Multilayer PC Boards, Open Frame

DIMENSIONS (IN.)

DIP sockets with increased solder tail length of .170", allowing application on multilayer PCB's up to .139" thickness. Other lengths available upon request.



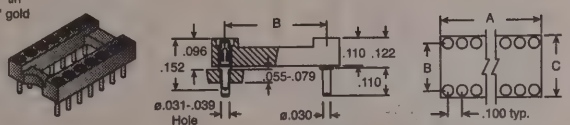
• Sleeve: 200μ" tin • Contact: 30μ" gold

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.) A	B	C	Price Each 1	10	100	500
575-993308	111-93-308-41-001	8	.4	.3	.4	.34	.31	.29	.28
575-993314	111-93-314-41-001	14	.7	.3	.4	.58	.52	.47	.45
575-993316	111-93-316-41-001	16	.8	.3	.4	.66	.60	.54	.51
575-993320	111-93-320-41-001	20	1.0	.3	.4	.79	.72	.65	.62
575-993324	111-93-324-41-001	24	1.2	.3	.4	.95	.87	.78	.74
575-993624	111-93-624-41-001	24	1.2	.6	.7	.95	.87	.78	.74
575-993628	111-93-628-41-001	28	1.4	.6	.7	1.11	1.01	.91	.86
575-993632	111-93-632-41-001	32	1.6	.6	.7	1.27	1.16	1.04	.98
575-993640	111-93-640-41-001	40	2.0	.6	.7	1.59	1.45	1.30	1.23

Very Low Profile, Open Frame

- Reduced height: only .122" above PCB
- Sleeve: 200μ" tin
- Contact: 30μ" gold



DIMENSIONS (IN.)

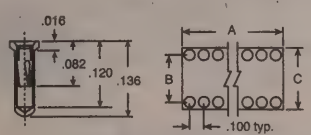
For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.) A	B	C	Price Each 1	10	100	500
575-893308	115-93-308-41-001	8	.4	.3	.4	.42	.38	.35	.31
575-893314	115-93-314-41-001	14	.7	.3	.4	.71	.64	.58	.52
575-893316	115-93-316-41-001	16	.8	.3	.4	.81	.74	.66	.59
575-893318	115-93-318-41-001	18	.9	.3	.4	.91	.83	.75	.66
575-893320	115-93-320-41-001	20	1.0	.3	.4	.98	.89	.79	.71
575-893324	115-93-324-41-001	24	1.2	.3	.4	1.17	1.07	.96	.85
575-893328	115-93-328-41-001	28	1.4	.3	.4	1.37	1.24	1.12	.99
575-893624	115-93-624-41-001	24	1.2	.6	.7	1.17	1.07	.96	.85
575-893628	115-93-628-41-001	28	1.4	.6	.7	1.37	1.24	1.12	.99
575-893632	115-93-632-41-001	32	1.6	.6	.7	1.56	1.42	1.28	1.14
575-893640	115-93-640-41-001	40	2.0	.6	.7	1.95	1.77	1.59	1.42

Carrier Type, Miniature

Convenient way to load loose receptacles on PC board. Offers maximum ventilation and better visibility for inspection.

DIMENSIONS (IN.)



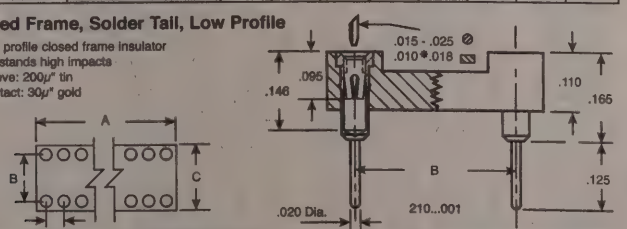
• Sleeve: 200μ" tin • Contact: 30μ" gold

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.) A	B	C	Price Each 1	10	100	500
575-793308	614-93-308-31-012	8	.4	.3	.4	.55	.49	.45	.42
575-793314	614-93-314-31-012	14	.7	.3	.4	.95	.87	.78	.75
575-793316	614-93-316-31-012	16	.8	.3	.4	1.09	.99	.89	.84
575-793318	614-93-318-31-012	18	.9	.3	.4	1.23	1.12	1.00	.95
575-793320	614-93-320-31-012	20	1.0	.3	.4	1.36	1.24	1.12	1.05
575-793324	614-93-324-31-012	24	1.2	.3	.4	1.64	1.49	1.34	1.26
575-793328	614-93-328-31-012	28	1.4	.3	.4	1.91	1.74	1.56	1.48
575-793624	614-93-624-31-012	24	1.2	.6	.7	1.64	1.49	1.34	1.26
575-793632	614-93-632-31-012	32	1.6	.6	.7	2.18	1.98	1.79	1.69
575-793640	614-93-640-31-012	40	2.0	.6	.7	2.73	2.48	2.23	2.11

Closed Frame, Solder Tail, Low Profile

- Low profile closed frame insulator withstands high impacts
- Sleeve: 200μ" tin
- Contact: 30μ" gold



DIMENSIONS (IN.)

For quantities of 1,000 and up, call for quote.

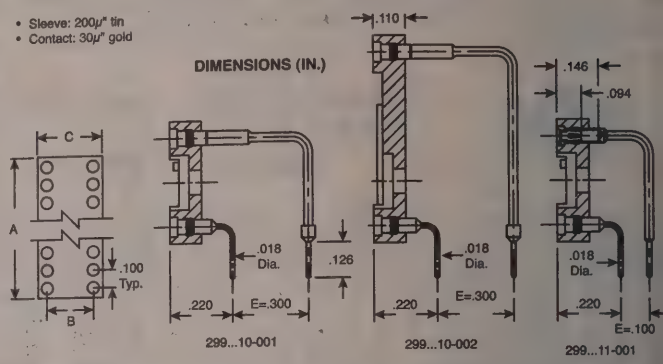
MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.) A	B	C	Price Each 1	10	100	500
575-230841	210-93-308-41-001	8	.4	.3	.4	.45	.28	.23	.21
575-231441	210-93-314-41-001	14	.7	.3	.4	.75	.50	.40	.35
575-231641	210-93-316-41-001	16	.8	.3	.4	.85	.57	.46	.39
575-232441	210-93-324-41-001	24	1.2	.3	.4	1.25	.86	.70	.60
575-262441	210-93-624-41-001	24	1.2	.6	.7	1.25	.86	.70	.60
575-262841	210-93-628-41-001	28	1.4	.6	.7	1.30	.89	.79	.70
575-263241	210-93-632-41-001	32	1.6	.6	.7	1.41	1.10	.91	.80
575-264041	210-93-640-41-001	40	2.0	.6	.7	1.67	1.25	1.13	1.00

RIGHT ANGLE MOUNT, CLOSED FRAME

For components to be mounted perpendicular to the PCB, such as LED displays.

- Sleeve: 200μ" tin
- Contact: 30μ" gold

DIMENSIONS (IN.)



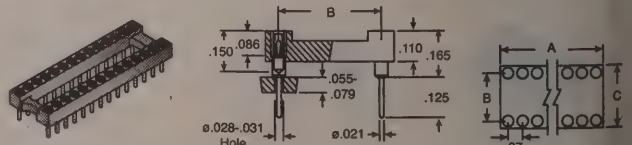
For quantities of 1,000 and up, call for quote

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.) A	B	C	Price Each 1	10	100	500
E = .300" Solder Tail Row Spacing									
575-330610	299-93-306-10-001	6	.3	.3	.4	2.46	1.64	1.34	1.18
575-330810	299-93-308-10-001	8	.4	.3	.4	3.28	2.19	1.79	1.58
575-331010	299-93-310-10-001	10	.5	.3	.4	3.93	2.62	2.15	1.89
575-331210	299-93-312-10-001	12	.6	.3	.4	4.71	3.14	2.58	2.26
575-331410	299-93-314-10-001	14	.7	.3	.4	5.50	3.67	3.01	2.64
575-331610	299-93-316-10-001	16	.8	.3	.4	6.29	4.19	3.44	3.02
575-331810	299-93-318-10-001	18	.9	.3	.4	7.07	4.72	3.87	3.39
575-332010	299-93-320-10-001	20	1.0	.3	.4	7.58	5.06	4.15	3.64
575-332410	299-93-324-10-001	24	1.2	.3	.4	9.10	6.07	4.97	4.37
575-360810	299-93-608-10-002	8	.4	.6	.7	3.80	2.53	2.08	1.82
575-361010	299-93-610-10-002	10	.5	.6	.7	4.55	3.03	2.49	2.18
575-361210	299-93-612-10-002	12	.6	.6	.7	5.46	3.64	2.98	2.62
575-361410	299-93-614-10-002	14	.7	.6	.7	6.37	4.25	3.48	3.06
575-361610	299-93-616-10-002	16	.8	.6	.7	7.28	4.85	3.98	3.49
575-361810	299-93-618-10-002	18	.9	.6	.7	8.19	5.46	4.48	3.93
575-362010	299-93-620-10-002	20	1.0	.6	.7	8.78	5.86	4.80	4.22
575-362210	299-93-622-10-002	22	1.1	.6	.7	9.66	6.44	5.28	4.64
575-362410	299-93-624-10-002	24	1.2	.6	.7	10.54	7.03	5.76	5.06
575-362610	299-93-626-10-002	26	1.3	.6	.7	11.42	7.61	6.24	5.48
575-362810	299-93-628-10-002	28	1.4	.6	.7	12.30	8.20	6.72	5.90
575-363010	299-93-630-10-002	30	1.5	.6	.7	13.17	8.78	7.20	6.32
575-363210	299-93-632-10-002	32	1.6	.6	.7	14.05	9.37	7.68	6.74
575-363610	299-93-636-10-002	36	1.8	.6	.7	15.81	10.54	8.64	7.59
575-364010	299-93-640-10-002	40	2.0	.6	.7	17.57	11.71	9.60	8.43
E = .100" Solder Tail Row Spacing									
575-330611	299-93-306-11-001	6	.3	.3	.4	2.40	1.60	1.31	1.15
575-330811	299-93-308-11-001	8	.4	.3	.4	3.20	2.14	1.75	1.54
575-331011	299-93-310-11-001	10	.5	.3	.4	3.84	2.56	2.10	1.84
575-331211	299-93-312-11-001	12	.6	.3	.4	4.61	3.07	2.52	2.21
575-331411	299-93-314-11-001	14	.7	.3	.4	5.37	3.58	2.94	2.58
575-331611	299-93-316-11-001	16	.8	.3	.4	6.14	4.10	3.36	2.95
575-331811	299-93-318-11-001	18	.9	.3	.4	6.91	4.61	3.78	3.32
575-332011	299-93-320-11-001	20	1.0	.3	.4	7.41	4.94	4.05	3.56
575-332411	299-93-324-11-001	24	1.2	.3	.4	8.89	5.93	4.86	4.27

SHRINK DIP SOCKETS, HIGH DENSITY OPEN FRAME

DIP sockets for devices featuring .07" lead spacing

DIMENSIONS (IN.)



• Sleeve: 200μ" tin • Contact: 30μ" gold

For quantities of 1,000 and up, call for quo

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.) A	B	C	Price Each 1	10	100	500
575-693316	117-93-316-41-005	16	.572	.3	.39	1.18	.94	.85	.77
575-693428	117-93-428-41-005	28	.992	.4	.49	1.81	1.59	1.44	1.29
575-693430	117-93-430-41-005	30	1.062	.4	.49	1.93	1.70	1.55	1.39
575-693448	117-93-448-41-005	48	1.692	.4	.49	3.09	2.72	2.47	2.23
575-693620	117-93-620-41-005	20	.712	.4	.49	1.29	1.13	1.03	.93
575-693628	117-93-628-41-005	28	.992	.6	.69	1.81	1.59	1.44	1.29
575-693640	117-93-640-41-005	40	1.412	.6	.69	2.56	2.27	2.06	1.85
575-693642	117-93-642-41-005	42	1.482	.6	.69	2.70	2.38	2.16	1.95
575-693648	117-93-648-41-005	48	1.692	.6	.69	3.09	2.72	2.47	2.23
575-693652	117-93-652-41-005	52	1.832	.6	.69	3.26	2.86	2.60	2.34
575-693656	117-93-656-41-005	56	1.972	.6	.69	3.51	3.09	2.81	2.53
575-693664	117-93-664-41-005	64	2.252	.6	.69	4.01	3.53	3.21	2.89
575-693668	117-93-668-41-005	68	2.392	.6	.69	4.26	3.75	3.41	3.07
575-693764	117-93-764-41-005	64	2.252	.75	.84	4.01	3.53	3.21	2.89

MOUSER ELECTRONICS a tti company (800) 346-6873

MILL-MAX PC Receptacles and PC Pins

TERCONNECT COMPONENTS

-MAX pin receptacles are machined, component lead sockets primarily used for the plugging and unplugging of components on pc boards. Printed t pins are machined, individual pins used for various plug-in applications and board to board interconnection.

Receptacles

cifications:

ell: machined brass, 200µ" tin over nickel
ntact: multi-finger, beryllium copper, 30µ" gold over nickel

For quantities of 1,000 and up, call for quote.

OUSER OCK NO.	Mill-Max Part No.	Fig.	Mtg. Hole	Pin Dia. Range	Dimensions (In.)				Price Each			
					C	D	K	L	1	10	100	500
Solder Mount												
6-054800	0548-0-15-01-11-27-10-0	A	.038	.015-.021	.058	.034	.031	.155	.28	.15	.11	.10
6-055210	0552-1-15-01-11-27-10-0	B	.043	.015-.021	.055	.038	.016	.136	.15	.13	.10	.09
6-055220	0552-2-15-01-11-27-10-0	B	.043	.015-.021	.055	.038	.016	.170	.15	.13	.10	.09
6-140700	1407-0-15-01-11-27-10-0	C	.043	.015-.021	.055	.038	.031	.146	.17	.15	.12	.11
6-055400	0554-0-15-01-11-27-10-0	D	.043	.015-.021	.056	.038	.038	.160	.33	.18	.12	.11
6-056901	0569-0-15-01-11-27-10-0	E	.040	.015-.021	.055	.038	.050	.140	.25	.13	.11	.10
6-067700	0677-0-15-01-30-27-10-0	F	.054	.015-.025	.063	.049	.041	.248	.39	.21	.14	.13
6-055500	0555-0-15-01-30-27-10-0	G	.056	.015-.025	.072	.051	.038	.160	.32	.17	.12	.11
6-066700	0667-0-15-01-30-27-10-0	H	.060	.015-.025	.072	.055	.016	.161	.19	.17	.10	.09
6-066500	0665-0-15-01-30-27-10-0	I	.064	.015-.025	.080	.058	.088	.180	.30	.16	.12	.11
6-029500	0295-0-15-01-06-27-10-0	J	.065	.022-.032	.077	.060	.014	.259	.42	.23	.14	.13
6-029200	0292-0-15-01-06-27-10-0	K	.073	.022-.032	.093	.068	.030	.250	.38	.20	.13	.12
6-029400	0294-0-15-01-06-27-10-0	L	.078	.022-.032	.090	.073	.018	.206	.38	.20	.13	.12
6-030010	0300-1-15-01-47-27-10-0	M	.045	.025-.037	.078	.040	.210	.320	.45	.24	.15	.14
6-030020	0300-2-15-01-47-27-10-0	M	.045	.025-.037	.078	.040	.210	.397	.53	.28	.16	.15
6-033100	0331-0-15-01-18-27-10-0	N	.074	.037-.043	.090	.069	.025	.150	.51	.27	.16	.15
6-032700	0327-0-15-01-34-27-10-0	O	.077	.032-.047	.090	.072	.018	.206	.38	.20	.13	.12
6-032900	0329-0-15-01-34-27-10-0	P	.077	.032-.047	.090	.072	.018	.221	.79	.42	.21	.20
6-031700	0317-0-15-01-34-27-10-0	Q	.093	.032-.047	.120	.088	.032	.253	.55	.30	.17	.16
6-032200	0322-0-15-01-34-27-10-0	R	.090	.032-.047	.125	.085	.192	.317	.69	.37	.19	.18
6-031600	0316-0-15-01-34-27-10-0	S	.090	.032-.047	.125	.085	.036	.236	.48	.25	.15	.14
6-035500	0355-0-15-01-02-27-10-0	T	.105	.040-.050	.118	.100	.016	.290	.47	.25	.15	.14
6-036400	0364-0-15-01-13-27-10-0	U	.103	.048-.064	.120	.098	.018	.213	.61	.33	.18	.17
6-039300	0393-0-15-01-07-27-10-0	V	.147	.065-.082	.188	.142	.100	.412	1.04	.55	.28	.25
6-03900	0390-0-15-01-08-27-10-0	W	.147	.084-.102	.188	.142	.105	.465	1.25	.67	.33	.29
k Press Fit												
6-055310	0553-1-15-01-11-27-10-0	X	.041	.015-.021	.055	.038	.016	.140	.30	.16	.12	.11
6-055320	0553-2-15-01-11-27-10-0	X	.041	.015-.021	.055	.038	.016	.170	.30	.16	.12	.11
6-025200	0252-0-15-01-30-27-10-0	Y	.057	.015-.025	.072	.053	.031	.170	.33	.17	.12	.11
6-027900	0279-0-15-01-47-27-10-0	Z	.061	.025-.037	.078	.057	.028	.200	.53	.28	.16	.15
6-032800	0328-0-15-01-34-27-10-0	AA	.076	.032-.047	.090	.071	.028	.206	.45	.24	.15	.14
6-036500	0365-0-15-01-23-27-10-0	BB	.104	.045-.067	.120	.098	.026	.223	.77	.41	.21	.20
Swage Mount .062" PCB												
6-032620	0326-2-19-01-06-27-10-0	CC	.060	.022-.032	.094	.058	.200	.294	.80	.43	.21	.20
6-034420	0344-2-19-01-34-27-10-0	DD	.067	.032-.047	.125	.065	.230	.324	.86	.46	.23	.22
urled Press Fit												
6-035700	0357-0-15-01-34-27-10-0	EE	.078	.032-.047	.102	.072	.080	.220	.55	.29	.17	.16
6-035900	0359-0-15-01-34-27-10-0	FF	.089	.032-.047	.110	.080	.037	.250	.56	.30	.17	.16
6-036000	0360-0-15-01-34-27-10-0	GG	.089	.032-.047	.110	.080	.037	.250	.59	.31	.17	.16
6-035800	0358-0-15-01-34-27-10-0	HH	.089	.032-.047	.110	.082	.240	.343	.58	.30	.17	.16
6-036600	0366-0-15-01-13-27-10-0	II	.108	.048-.064	.136	.102	.037	.250	.76	.40	.21	.20
6-004010	0040-1-17-01-30-27-02-0	JJ	.055	.015-.025	.072	.053	.200	.460	.30	.16	.12	.11
6-003920	0039-2-17-01-30-27-02-0	JJ	.055	.015-.025	.072	.053	.200	.560	.24	.13	.11	.10
6-003830	0038-3-17-01-30-27-02-0	JJ	.055	.015-.025	.072	.053	.200	.700	.26	.14	.11	.10
mp Barrel												
6-034800	0348-0-33-01-34-27-10-0	KK	- - -	.032-.047	.105	.049	.224	.530	1.27	.68	.34	.30
6-036800	0368-0-33-01-13-27-10-0	LL	- - -	.048-.064	.103	.067	.234	.530	1.37	.73	.37	.32
6-03700	0370-0-19-01-07-27-10-0	MM	- - -	.065-.082	.100	.050	.440	.690	1.37	.73	.37	.32
ntagon Press Fit												
6-035400	0354-0-15-01-02-27-10-0	NN	.103	.040-.050	.118	.088	.020	.290	.66	.35	.19	.18
Mount Thru Hole												
6-031400	0314-0-15-01-34-27-10-0	OO	.090	.032-.047	.125	.085	.036	.236	.48	.25	.15	.14

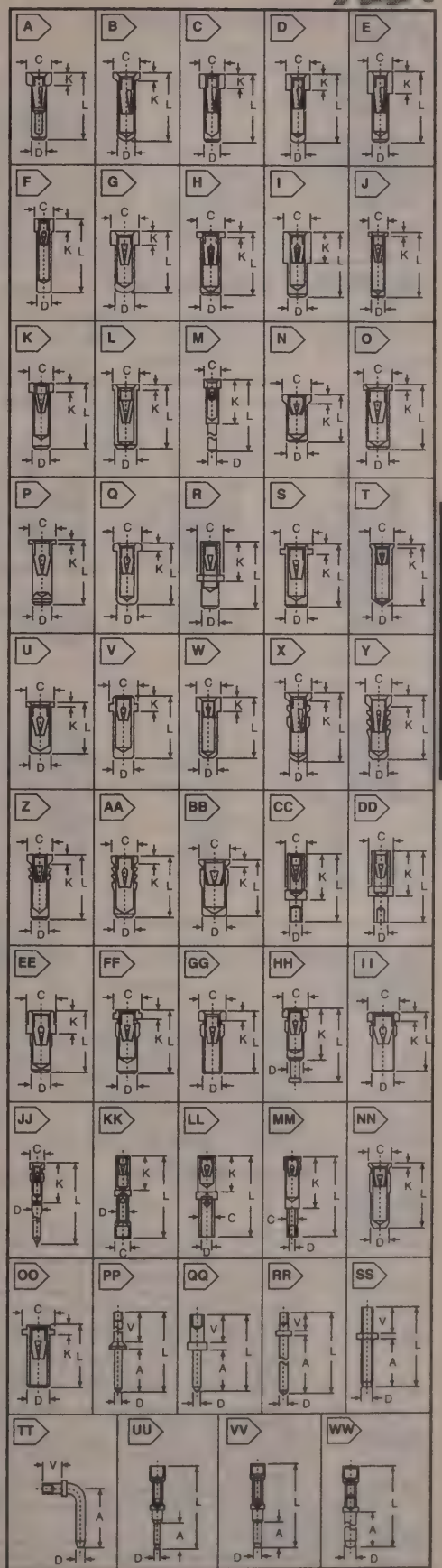
ted Circuit Pins

ifications:

hined brass, 20µ" gold plated

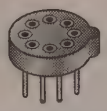
For quantities of 1,000 and up, call for quote.

OUSER OCK NO.	Mill-Max Part No.	Fig.	Mtg. Hole	Board Thickness (In.)	Dimensions (In.)				Price Each			
					D	A	V	L	1	10	100	500
Swage Mount												
6-311710	3117-1-00-21-00-00-08-0	PP	.035	.031	.025	.188	.047	.260	.16	.14	.11	.10
6-311210	3112-1-00-21-00-00-08-0	QQ	.043	.031	.025	.125	.051	.201	.16	.14	.11	.10
6-310110	3101-1-00-21-00-00-08-0	RR	.043	.031	.040	.150	.051	.221	.14	.12	.09	.08
6-310210	3102-1-00-21-00-00-08-0	RR	.043	.031	.040	.188	.051	.259	.14	.12	.09	.08
6-310310	3103-1-00-21-00-00-08-0	RR	.043	.031	.040	.300	.051	.371	.21	.18	.10	.09
6-311720	3117-2-00-21-00-00-08-0	PP	.035	.062	.025	.188	.078	.291	.12	.10	.09	.08
6-311220	3112-2-00-21-00-00-08-0	QQ	.043	.062	.025	.125	.082	.232	.13	.11	.10	.09
6-310120	3101-2-00-21-00-00-08-0	RR	.043	.062	.040	.150	.082	.252	.14	.12	.09	.08
6-310220	3102-2-00-21-00-00-08-0	RR	.043	.062	.040	.188	.082	.290	.15	.13	.10	.09
6-310320	3103-2-00-21-00-00-08-0	RR	.043	.062	.040	.300	.082	.402	.18	.16	.13	.12
6-322220	3222-2-00-21-00-00-08-0	SS	.043	.062	.040	.150	.082	.252	.25	.13	.11	.10
6-330120	3301-2-14-21-00-00-08-0	TT	.043	.062	.040	.257	.082	- - -	.50	.26	.16	.15
Crimp Barrel												
6-360300	3603-0-07-21-00-00-08-0	UU	- - -	- - -	.040	.188	- - -	.588	.81	.43	.22	.21
6-360200	3602-0-07-21-00-00-08-0	VV	- - -	- - -	.062	.188	- - -	.588	.86	.46	.23	.22
6-360110	3601-1-07-21-00-00-08-0	WW	- - -	- - -	.080	.200	- - -	.506	.83	.44	.22	.21



Transistor Sockets, Kits, Insulators and Covers

MILL-MAX TRANSISTOR SOCKETS



- Glass filled polyester UL94V0
- Current rating: 1A
- 30µ" gold plated contact clip
- Pin is tin plated brass

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Case Style	No. of Pins	Pin Centers (In.)	Price Each 1	10	100	500
575-93103	TO-5	3	.20	.57	.45	.41	.37
575-93104	TO-5	4	.20	.76	.64	.62	.60
575-93108	TO-5	8	.20	1.48	1.24	1.20	1.18
575-93208	TO-100	8	.23	1.48	1.24	1.20	1.18

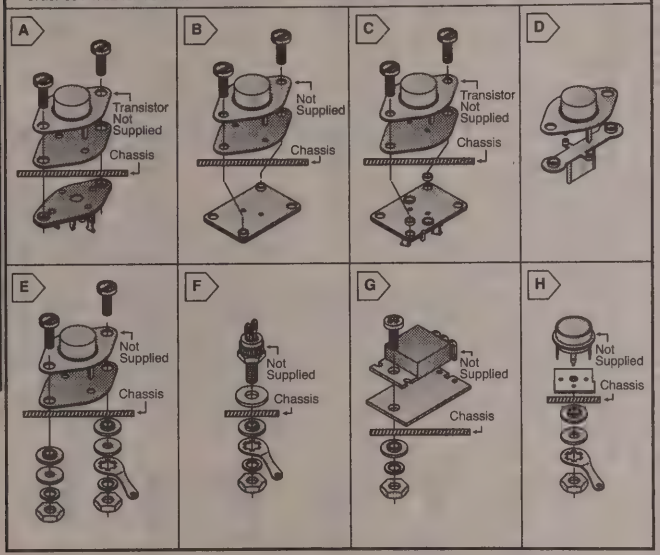
KEYSTONE MOUNTING KITS

Socket mounting kits for TO-3

These pre-packed universal mounting kits provide all the necessary hardware and insulators required to securely mount transistors to the chassis.

Features:
- Labor saving
- Easier mounting to chassis
- Better thermal efficiency
- Avoids soldering directly to the transistor
- Easier to service

Order 534-4732 for TO-3 kit **Order 534-4734 for TO-3 kit** **Molded Nylon: 534-4616**



Transistor Mounting Kit With Socket

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100
534-4732	A	TO-3 kit includes 2 #6-20 screws, 1 mica insulator, 1 Stock No.534-4602 transistor socket	1.70	1.42	1.29
534-4733	B	TO-3 kit includes 2 #6-20 screws, 1 mica insulator, 1 Stock No.534-4608 transistor socket	1.55	1.41	1.20
534-4734	C	TO-3 kit includes 2 #6-20 screws, 1 mica insulator, 4 nylon bushings, 1 Stock No.534-4606 transistor socket	1.86	1.55	1.41
534-4616	D	Nylon power transistor mount only for TO-3	.18	.09	.08

Transistor Mounting Kit Without Socket

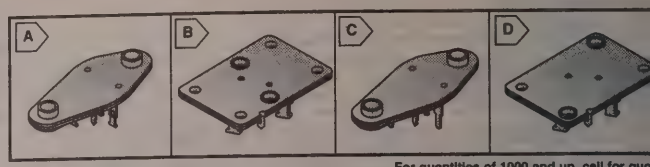
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100
534-4725	E	Kit for TO-3 case includes 2 #6-32 screws, 1 mica insulator, 2 shoulder washers, 2 metal washers, 1 solder terminal, 2 lockwashers, and 2 #6-32 nuts	1.13	.94	.89
534-4726	E	Kit for TO-66 case includes 2 #6-32 screws, 1 mica insulator, 2 shoulder washers, 2 metal washers, 1 solder terminal, 2 lockwashers, and 2 #6-32 nuts	1.20	1.12	1.05
534-4728	F	Kit for Plastic case includes 2 #4-40 screws, 1 mica insulator, 2 shoulder washers, 2 metal washers, 2 lockwashers, 2 solder terminals, and 2 #4-40 nut	1.20	1.12	1.05
534-4729	F	Kit for DO-4, TO-59, TO-60 and TO-62 cases includes 1 mica insulator, 1 shoulder washer, 1 solder terminal, 1 lockwasher, and 1 #10-32 nut	1.13	.94	.89
534-4730	F	Kit for DO-5, TO-48 and TO-61 cases includes 1 mica insulator, 1 shoulder washer, 1 solder terminal, 1 lockwasher, and 1 1/4-28 nut	1.13	.94	.89
534-4724	G	Kit for TO-220 case includes 1 #4-40 screw, 1 mica insulator, 1 shoulder washer, 1 lockwasher, and 1 #4-40 nut	1.13	.94	.89
534-4727	H	Kit for TO-36 case includes 1 mica insulator, 1 shoulder washer, 1 metal washer, 1 solder terminal, 1 #10-32 nut	1.20	1.12	1.05

KEYSTONE TO-3 POWER TRANSISTOR SOCKETS

- Space savings
- Labor saving
- Easier servicing
- Simpler mounting

Fig. A: These sockets are held underneath the chassis and the transistor is inserted into the socket, holding the assembly in position.
Fig. B: Pre-assembling the socket to the chassis by eyelets or rivets permits the installation of the transistor at a later stage in the assembly.
Fig. C: Easily assembled on PC board, stops on PC terminals provide sufficient spacing for proper assembly of transistor to socket.

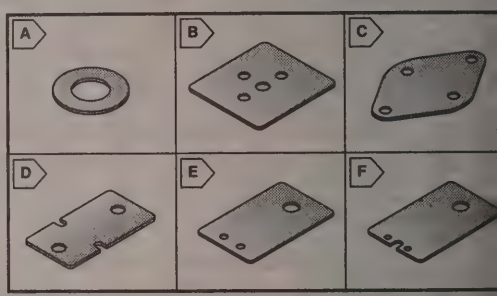


For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Fig.	Case Type	Terminal Type	Top Plate Material	Standoff Height (In.)	Price Each 1	10	100	500
534-4601	A	TO-3	Solder	Molded nylon	.09	1.56	1.28	1.22	.9
534-4602	A	TO-3	Solder	Molded nylon	.045	1.54	1.28	1.15	1.0
534-4603	A	TO-3	Solder	Molded nylon	.03	1.54	1.28	1.15	.9
534-4606	B	TO-3	Solder	Phenolic	- - -	1.24	1.03	.99	.8
534-4600	C	TO-3	PC	Molded nylon	.09	1.38	1.15	1.04	.8
534-4607	D	TO-3	Solder	Molded nylon	- - -	1.46	1.38	1.16	.9
534-4608	D	TO-3	Solder	Molded nylon	- - -	1.38	1.27	1.08	.9
534-4609	D	TO-3	Solder	Molded nylon	- - -	1.46	1.38	1.16	.9
534-4618	D	TO-3	Solder	Molded nylon	- - -	1.54	1.28	1.09	.9

KEYSTONE TRANSISTOR MICA INSULATORS

- Rapid heat dissipation
- High dielectric strength
- Non-toxic
- Low cost
- Precision stamped .003" thick mica

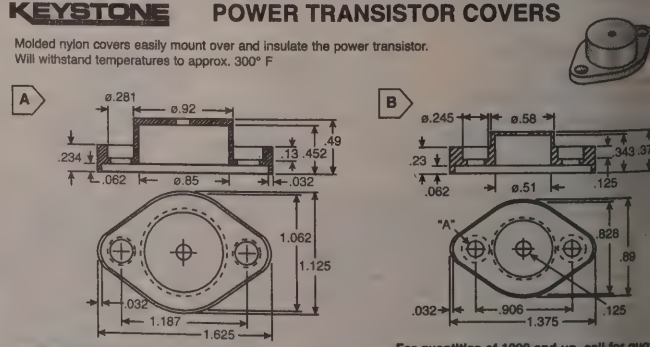


For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Fig.	Screw Size	Description	Price Each 1	100	50
534-4678	A	4	For use with transistor cases with threaded stud	.08	.04	.03
534-4679	A	6	For use with transistor cases with threaded stud	.08	.04	.03
534-4680	A	8	For use with transistor cases with threaded stud	.12	.06	.05
534-4681	A	10	For use with transistor cases with threaded stud	.08	.04	.03
534-4682	A	1/4	For use with transistor cases with threaded stud	.08	.04	.04
534-4683	A	5/16	For use with transistor cases with threaded stud	.12	.06	.05
534-4656	B	- - -	For use with TO-36 transistor case	.17	.09	.07
534-4636	C	- - -	For use with TO-3 transistor case	.12	.06	.05
534-4651	C	- - -	For use with TO-3 transistor case	.12	.06	.05
534-4663	D	- - -	For use with plastic transistor case	.12	.06	.05
534-4671	E	- - -	For use with plastic transistor case	.12	.06	.05
534-4672	F	- - -	For use with plastic transistor case	.12	.06	.05
534-4673	F	- - -	For use with plastic transistor case	.12	.06	.05

KEYSTONE POWER TRANSISTOR COVERS

Molded nylon covers easily mount over and insulate the power transistor.
Will withstand temperatures to approx. 300° F



For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Fig.	Case Type	I.D. "A"	Eyelets Installed	Price Each 1	100	50
534-4632	A	TO-3	None	0.21	.26	.13	.1
534-4634	A	TO-3	Two	0.14	.58	.30	.2
534-4633	B	TO-66	None	0.155	.26	.13	.1
534-4635	B	TO-66	Two	0.13	.58	.30	.2

3M™ Scotchlok™ IDC Wire Connectors

3M

OTCHLOK™ IDC CONNECTORS FOR ELECTRICAL APPLICATIONS

ail, Moisture Resistant and Flame Retardant

d to electrically connect two or three wire ends, insulate the connection, and provide a moisture resistant seal.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Color	Wire (AWG) Stranded or Solid	Insulation O.D. Max. (In.)	Operating Temperature	Price Each 1	100	500	1000
-314	A	1 or 2	Blue	22-14	0.15	105°C	.77	.68	.62	.57

ail, Flame Retardant • Used to electrically connect two or three wire ends and insulate the connection.

-314U	A	1 or 2	White	22-14	0.15	105°C	.48	.43	.39	.36

ail • Used to electrically connect two wire ends and insulate the connection.

-557	B	1	Red	22-16	0.12	105°C	.20	.19	.18	.17

and Tap, Flame Retardant • Used to electrically connect a (tap) wire end to a through (run) wire and insulates the connection.

-558	C	3	Red	22-16	0.12	105°C	.27	.24	.22	.20
-567	D	3	Brown	18-14 Tap, 12-10 Run	0.145 Tap, .190 Run	105°C	.34	.30	.28	.25

ble Run and Tap, Flame Retardant • Used to electrically connect a (tap) wire end to a through (run) wire and insulates the connection.

-560	E	3 or 4	Lt.Blue	18-14	0.145	105°C	.14	.13	.12	.11
-562	F	3 or 4	Yellow	12, 10 Stranded Only	0.19	90°C	.23	.20	.19	.17

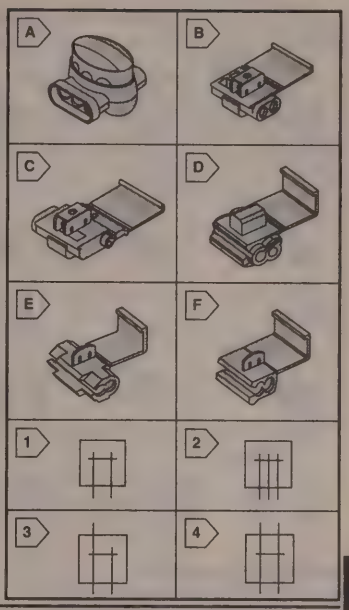
ble Run • Used to electrically connect two wires in a tap, inline, pigtail, or double run installation and insulate the connection.

-564	E	4	White	18-14	0.145	90°C	.14	.13	.12	.11

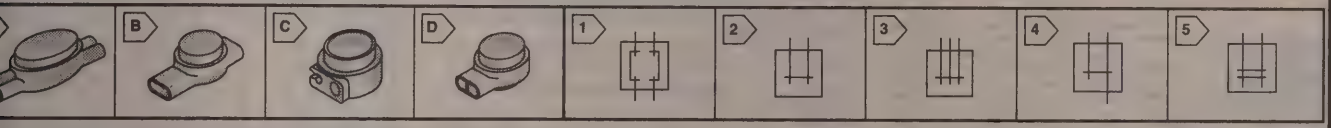
ble Run or Tap, Low Voltage (Automotive) Applications

d to electrically connect two wires in a tap, inline, pigtail, or double run installation and insulate the connection.

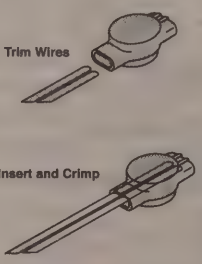
-905	E	3 or 4	Red	22-18 Tap	.110	90°C	.20	.18	.16	.15



OTCHLOK™ IDC CONNECTORS FOR COMMUNICATION APPLICATIONS



be used on standard polyethylene wire insulation, polypropylene insulation of filled cable, and pulp.
of a connector is limited only to wire range and port size
sizes may be intermixed within a connector
stripping, insulated, and moisture resistant
tains EG-3 sealant - consisting of white mineral oil, polybutylene, and silane-treated
rphous silica



Pair Connector

For quantities of 2000 and up, call for quote.

OUSER OCK NO.	Fig.	Type	Color	Wire (AWG) Stranded or Solid	Price Each 1	100	500	1000
-U1R	A	1	Red	19-24	1.93	1.64	1.58	1.47

3 Wire Butt Connectors

For quantities of 2000 and up, call for quote.

OUSER OCK NO.	Fig.	Type	Color	Wire (AWG) Stranded or Solid	Price Each 1	100	500	1000
-UAL	B	2 or 3	Gray	17-24	.47	.44	.41	.39
-UR20074	B	2 or 3	Red	19-26	.17	.16	.15	.14

Tap Connector

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Color	Wire (AWG) Solid	Price Each 1	100	500	1000
517-UG20082	C	4	Green	19-26	.20	.18	.17	.16

2-Wire Butt Connector

For quantities of 2000 and up, call for quote.

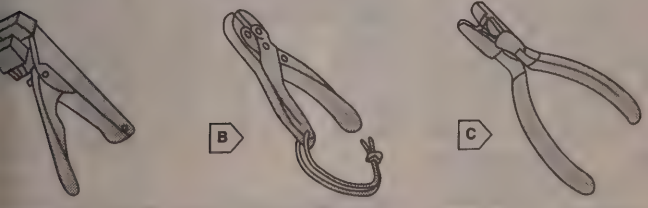
MOUSER STOCK NO.	Fig.	Type	Color	Wire (AWG) Solid	Price Each 1	100	500	1000
517-UY14911	D	2	Yellow	22-26	.14	.13	.12	.11

19-26 AWG Butt Connector

For quantities of 2000 and up, call for quote.

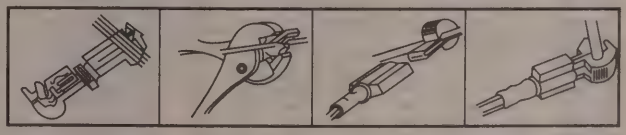
MOUSER STOCK NO.	Fig.	Type	Color	Wire (AWG) Solid	Price Each 1	100	500	1000
517-UY2	D	5	Yellow	19-26	.12	.11	.10	.09

OTCHLOK™ IDC CRIMP TOOLS



OUSER CK NO.	Fig.	Description	Price Each
E9BM	A	Adjust. jaws crimp tool for use with all IDC, and U series connectors	60.94
E9E	B	Parallel action for use with UAL, UG, UR2, UY2, UB2 connectors	30.41
E9Y	C	Stepped jaws for use with UAL, UG, UR2, UY2, UB2 connectors	33.25

SCOTCHLOK™ IDC FEMALE T-TAP DISCONNECTS



• Quick, easy connection • No messy tape to tangle • No cutting and stripping the wire

Mates with standard .250 x .032 male blade

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Color	Wire (AWG)	Price Each 1	100	500	1000
517-951K	Red	22-18	.19	.15	.13	.12
517-952K	Blue	18-14	.19	.15	.13	.12
517-953K	Yellow	12	.21	.17	.14	.13

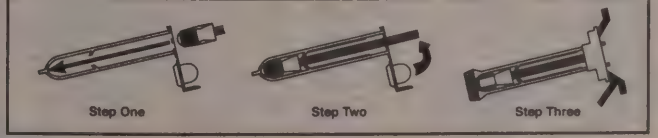
ECT BURIAL SPLICE KITS

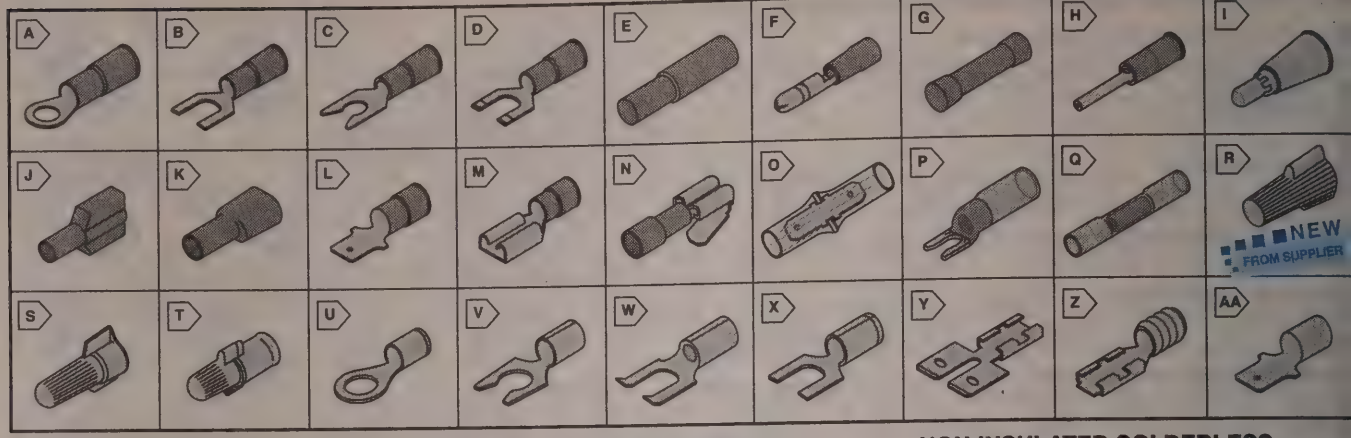
Splice and effectively moisture seal two or more conductors for remote control circuits in irrigation and landscape lighting systems.

* E102356

For quantities of 1000 and up, call for quote.

OUSER OCK NO.	Common Wire AWG Combinations	Volts	Splices Per Kit	Price Each 1	100	500
-DBY-6	2-5 #18, 2 #12	600	2	3.02	2.91	2.81
-DBY	2-5 #18, 2 #12	30	2	2.29	2.21	2.13
-DBR-6	5 #18, 4 #12, 3#10	600	2	3.59	3.48	3.35





* Insulated terminals and Connectors are UL and CSA approved, except where indicated with an asterisk, which is UL approved and CE Certified.

VINYL INSULATED SOLDERLESS TERMINALS

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each 1	100	1000
Ring Terminals							
517-2201	A	Red	1/4"	22-18	.18	.15	.11
517-2202	A	Red	5/16"	22-18	.18	.15	.11
517-2204A	A	Red	#4	22-18	.15	.12	.09
517-2206	A	Red	#6	22-18	.15	.12	.09
517-2208	A	Red	#8	22-18	.15	.12	.09
517-2210A	A	Red	#10	22-18	.15	.12	.09
517-1601	A	Blue	#4	16-14	.22	.18	.14
517-1602	A	Blue	1/4"	16-14	.18	.15	.11
517-1603	A	Blue	5/16"	16-14	.18	.15	.11
517-1606	A	Blue	#6	16-14	.15	.12	.09
517-1608	A	Blue	#8	16-14	.15	.12	.09
517-1610	A	Blue	#10	16-14	.15	.12	.09
517-1201	A	Yellow	#6	12-10	.18	.15	.11
517-1202	A	Yellow	#8	12-10	.21	.18	.13
517-1203	A	Yellow	#10	12-10	.21	.18	.13
517-1204	A	Yellow	1/4"	12-10	.29	.20	.15
517-1205	A	Yellow	5/16"	12-10	.29	.20	.15
517-1206	A	Yellow	3/8"	12-10	.29	.20	.15
Block Fork Terminals							
517-2226	B	Red	#6	22-18	.15	.12	.09
517-2228A	B	Red	#8	22-18	.15	.12	.09
517-2220	B	Red	#10	22-18	.15	.12	.09
517-1626	B	Blue	#6	16-14	.18	.16	.10
517-1628	B	Blue	#8	16-14	.18	.16	.10
517-1620	B	Blue	#10	16-14	.18	.16	.10
517-1207	B	Yellow	#8	12-10	.21	.18	.13
517-1208	B	Yellow	#10	12-10	.21	.18	.13
Locking Fork Terminals							
517-2203	C	Red	#6	22-18	.18	.15	.11
517-2207	C	Red	#8	22-18	.22	.18	.13
517-2209	C	Red	#10	22-18	.26	.22	.16
517-1605	C	Blue	#6	16-14	.18	.15	.11
517-1607	C	Blue	#8	16-14	.22	.18	.13
517-1609	C	Blue	#10	16-14	.26	.22	.16
Flanged Fork Terminals							
517-2236	D	Red	#6	22-18	.17	.14	.11
517-2238	D	Red	#8	22-18	.25	.22	.17
517-2230	D	Red	#10	22-18	.33	.28	.21
517-1636	D	Blue	#6	16-14	.17	.14	.11
517-1638	D	Blue	#8	16-14	.25	.22	.17
517-1630	D	Blue	#10	16-14	.33	.28	.21
Bullet Connectors							
517-2156	E	Red	.156	22-18	.21	.18	.13
517-1612	E	Blue	.156	16-14	.21	.18	.13
517-1613	E	Blue	.180	16-14	.21	.18	.13
517-3156	F	Red	.156	22-18	.21	.18	.13
517-1615	F	Blue	.156	16-14	.21	.18	.13
517-1616	F	Blue	.180	16-14	.21	.18	.13
Butt Connectors							
517-1622	G	Red	- - - -	22-18	.18	.15	.11
517-1614	G	Blue	- - - -	16-14	.18	.15	.11
517-1213	G	Yellow	- - - -	12-10	.29	.20	.15
Pin Terminals							
517-2213	H	Red	.080	22-18	.17	.15	.11
517-1617	H	Blue	.080	16-14	.17	.15	.11
517-1211	H	Yellow	.110	12-10	.29	.20	.15
Closed End Terminal (Nylon)							
517-1801	I	Red	- - -	- - -	.29	.20	.15
517-1802	I	Blue	- - -	- - -	.30	.21	.16

INSULATED SOLDERLESS TERMINALS

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Wire Size (AWG)	Tab Width (In.)	Price Each 1	100	1000
Couplers Fully Nylon Insulated (Male)							
517-3251	J	Red	22-18	.250x.032	.29	.23	.17
517-7251	J	Blue	16-14	.250x.032	.29	.23	.17
Couplers Fully Nylon Insulated (Female)							
517-3250	K	Red	22-18	.250x.032	.29	.23	.17
517-7250	K	Blue	16-14	.250x.032	.29	.23	.17
Disconnects (Male)							
517-2250	L	Red	22-18	.250x.032	.15	.12	.09
517-6250	L	Blue	16-14	.250x.032	.15	.12	.09
517-1210	L	Yellow	12-10	.250x.032	.15	.12	.09
Disconnects (Female)							
517-2187	M	Red	22-18	.187x.020	.15	.12	.09
517-2251	M	Red	22-18	.250x.032	.15	.12	.09
517-1604	M	Blue	16-14	.110x.020	.15	.12	.09
517-6187	M	Blue	16-14	.187x.020	.15	.12	.09
517-6251	M	Blue	16-14	.250x.032	.15	.12	.09
517-1209	M	Yellow	12-10	.250x.032	.17	.15	.11
Multi-Stack Disconnects							
517-2212	N	Red	22-18	.250x.032	.17	.13	.09
517-1611	N	Blue	16-14	.250x.032	.18	.14	.10
Adapter Male-Male Disconnects							
517-1502	O	- - -	- - -	.250x.032	.29	.20	.15

HEAT SHRINK TERMINALS

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each 1	100	1000
Locking Fork Terminals							
517-MH18-6FL	P	Red	6	22-18	.61	.47	.30
517-MH18-8FL	P	Red	8	22-18	.61	.47	.30
517-MH18-10FL	P	Red	10	22-18	.65	.50	.32
517-MH14-6FL	P	Blue	6	16-14	.51	.39	.25
517-MH14-8FL	P	Blue	8	16-14	.51	.39	.25
517-MH14-10FL	P	Blue	10	16-14	.51	.39	.25
517-MH14-14FL	P	Blue	1/4	16-14	.56	.43	.27
517-MH10-8FL	P	Yellow	8	12-10	.51	.39	.25
517-MH10-10FL	P	Yellow	10	12-10	.51	.39	.25
517-MH10-14FL	P	Yellow	1/4	12-10	.51	.39	.25
Butt Connectors							
517-MH18BC	Q	Red	---	22-18	.53	.41	.26
517-MH14BC	Q	Blue	---	16-14	.53	.41	.26
517-MH10BC	Q	Yellow	---	12-10	.68	.53	.33

WIRE CONNECTORS

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Min. and Max.	Price Each 1	100	1000
517-212 *	R	Tan	1 #15 to 1 #22, 3 #12, 4 #14	.12	.11	.10
517-412	R	Tan	2 #20, 2 #18, 3 #16, 2 #14, 2-4 #12, 3 #10	.12	.11	.10
517-312	S	Yellow	5-7 #22, 3-6 #20, 2-6 #18 or 16, 1-4 #14, 1-3 #12	.13	.12	.11
517-512	S	Red	2-10 #18, 1-6 #14, 1-5 #12, 1-3 #10, 1-2 #8, 1 #6	.16	.15	.13
517-O/B	T	Org/Blue	2 #22-14	.09	.08	.07
517-T/R	T	Tan/Red	Up to 5 #12	.09	.08	.07
517-B/G	T	Blue/ Gray	4 #14, 3 #12, 6 #14, 4 #12, 3 #10, 5 #12, 2 #8, 6 #12, 4 #10, 5 #12	.37	.31	.28

NON-INSULATED SOLDERLESS TERMINALS

For quantities of 10,000 and up, call for quote

MOUSER STOCK NO.	Fig.	Stud Size	Wire Size (AWG)	Price Each 1	100	1000	5000
Ring Terminals							
517-2222	U	#4	22-18	.11	.09	.07	.06
517-2223	U	#6	22-18	.11	.09	.07	.06
517-2224	U	#8	22-18	.11	.09	.07	.06
517-2227	U	#10	22-18	.11	.09	.07	.06
517-2229	U	1/4"	22-18	.12	.10	.08	.07
517-2231	U	5/16"	22-18	.12	.10	.08	.07
517-1627	U	#4	16-14	.11	.09	.07	.06
517-1629	U	#6	16-14	.11	.09	.07	.06
517-1631	U	#8	16-14	.11	.09	.07	.06
517-1632	U	#10	16-14	.11	.09	.07	.06
517-1633	U	1/4"	16-14	.12	.10	.08	.07
517-1634	U	5/16"	16-14	.12	.10	.08	.07
517-1216	U	#6	12-10	.17	.13	.09	.08
517-1217	U	#8	12-10	.17	.13	.09	.08
517-1218	U	#10	12-10	.17	.13	.09	.08
517-1219	U	1/4"	12-10	.24	.15	.11	.09
517-1220	U	5/16"	12-10	.24	.15	.11	.09
517-1221	U	3/8"	12-10	.24	.15	.11	.09
Locking Fork Terminals							
517-2241	V	#6	22-18	.11	.09	.07	.06
517-2242	V	#8	22-18	.11	.09	.07	.06
517-2243	V	#10	22-18	.11	.09	.07	.06
517-1644	V	#6	16-14	.11	.09	.07	.06
517-1645	V	#8	16-14	.11	.09	.07	.06
517-1646	V	#10	16-14	.11	.09	.07	.06
Flanged Fork Terminals							
517-2244	W	#6	22-18	.11	.09	.07	.06
517-2245	W	#8	22-18	.11	.09	.07	.06
517-2246	W	#10	22-18	.11	.09	.07	.06
517-1647	W	#6	16-14	.11	.09	.07	.06
517-1648	W	#8	16-14	.11	.09	.07	.06
517-1649	W	#10	16-14	.11	.09	.07	.06
Block Fork Terminals							
517-2232	X	#6	22-18	.11	.09	.07	.06
517-2233	X	#8	22-18	.11	.09	.07	.06
517-2234	X	#10	22-18	.11	.09	.07	.06
517-1635	X	#6	16-14	.11	.09	.07	.06
517-1637	X	#8	16-14	.11	.09	.07	.06
517-1639	X	#10	16-14	.11	.09	.07	.06
517-1222	X	#8	12-10	.18	.15	.11	.09

NON-INSULATED SOLDERLESS TERMINALS

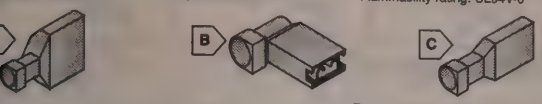
For quantities of 10,000 and up, call for quo

MOUSER STOCK NO.	Fig.	Tab Width (In.)	Wire Size (AWG)	Price Each 1	100	1000	50
Double Male/Female Terminals							
517-1226	Y	.250x.032	- - -	.26	.20	.15	.1
Disconnects							
517-2237	Z	.187x.020	22-18	.11	.09	.07	.0
517-2240	Z	.250x.032	22-18	.11	.09	.07	.0
517-1640	Z	.110x.020	16-14	.11	.09	.07	.0
517-1641	Z	.187x.020	16-14	.11	.09	.07	.0
517-1643	Z	.250X.032	16-14	.11	.09	.07	.0
517-2247	AA	.250X.032	22-18	.11	.09	.07	.0
517-1650	AA	.250X.032	16-14	.11	.09	.07	.0
517-1225	AA	.250X.032	12-10	.11	.09	.07	.0

MP ULTRA-FAST FULLY INSULATED ASTON RECEPTACLES AND TABS

E66717

- in-plated brass
- Nylon insulation
- Flammability rating: UL94V-0



For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Size (In.)	Wire Size (AWG)	Price Each 1	100	500	1000
ltra-Fast Fully Insulated FASTON Receptacles					* Insulation Support				
71-25200842	2-520084-2	A	Red	.110/.125 x .020	22-18	.17	.15	.13	.10
71-2-520182-2	2-520182-2	A	Red	.187 x .020	22-18	.17	.15	.13	.10
71-25204092	2-520409-2	A	Red	.187 x .020	22-18	.17	.16	.15	.14
71-33508162	3-350816-2	A	Blue	.187 x .020	16-14	.15	.14	.13	.12
71-2-520184-2	2-520184-2	A	Red	.250 x .032	22-18	.17	.15	.13	.10
71-2-520407-2	2-520407-2	A	Red	.250 x .032	22-18	.18	.17	.16	.15
71-33508202	3-350820-2	A	Blue	.250 x .032	16-14	.18	.15	.13	.10
71-35204082	3-520408-2	A	Blue	.250 x .032	16-14	.18	.17	.16	.15
ltra-Fast Fully Insulated FASTON Flag Receptacles									
71-25203352	2-520335-2	B	Red	.187 x .020	22-18	.20	.19	.18	.17
71-35203392	3-520339-2	B	Blue	.187 x .020	16-14	.20	.19	.18	.17
71-25201292	2-520129-2	B	Red	.250 x .032	22-18	.20	.19	.18	.17
71-35201332	3-520133-2	B	Blue	.250 x .032	16-14	.20	.19	.18	.17
ltra-Fast Fully Insulated FASTON Tabs									
71-25201032	2-520103-2	C	Red	.250 x .032	22-18	.20	.19	.18	.17
71-35201072	3-520107-2	C	Blue	.250 x .032	16-14	.20	.19	.18	.17
71-25211032	2-521103-2	C	Red	.187 x .020	22-18	.20	.19	.18	.17

ols For Ultra-Fast Faston Terminals

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
-58078-3	58078-3	Crimping tool frame without dies	238.50
-903903	90390-3	22-18 awg die set	238.50
-903913	90391-3	16-14 awg die set	238.50

AMP SOLISTRAND, UNINSULATED TERMINALS

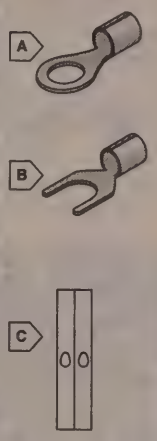
- Tin-plated copper
- Temperature rating: 170°C
- Meet or exceed the requirements of MIL-T-7928, Type I, Class 1 & 2

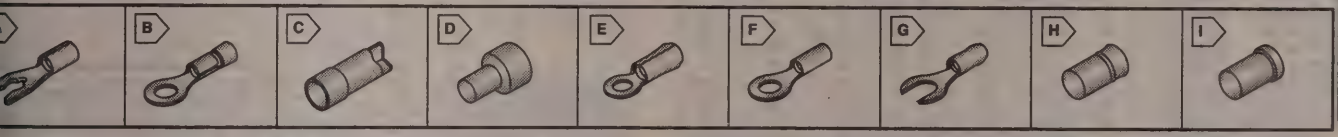
For quantities of 5,000 and up, call for quote.

Designed to terminate solid and stranded wire and irregular shaped conductors while retaining performance characteristics of single purpose terminals and splices.

LR7189 E13288

MOUSER STOCK NO.	AMP Part No.	Fig.	Stud Size	Wire Size (AWG)	Price Each 1	100	500	1000
Ring Tongue Terminals								
571-34104	34104	A	#4	22 - 16	.13	.11	.09	.08
571-34105	34105	A	#6	22 - 16	.12	.11	.10	.09
571-34108	34108	A	#8	22 - 16	.13	.12	.11	.10
571-34109	34109	A	#10	22 - 16	.13	.11	.09	.08
571-34113	34113	A	1/4"	22 - 16	.14	.12	.11	.09
571-34114	34114	A	5/16"	22 - 16	.14	.12	.11	.08
571-34115	34115	A	3/8"	22 - 16	.15	.13	.11	.09
571-34120	34120	A	#6	16 - 14	.13	.11	.09	.08
571-34122	34122	A	#8	16 - 14	.13	.11	.09	.08
571-34123	34123	A	#10	16 - 14	.13	.11	.09	.08
571-34124	34124	A	1/4"	16 - 14	.14	.12	.11	.10
571-34125	34125	A	5/16"	16 - 14	.14	.12	.11	.08
571-34126	34126	A	3/8"	16 - 14	.18	.16	.13	.10
571-35476	35476	A	#6	12/10	.18	.16	.13	.10
571-32994	32994	A	#8	12/10	.17	.15	.13	.10
571-33457	33457	A	#10	12/10	.14	.13	.12	.11
571-33458	33458	A	1/4"	12/10	.20	.18	.15	.11
571-33459	33459	A	5/16"	12/10	.20	.18	.15	.11
571-33220	33220	A	3/8"	12/10	.20	.18	.15	.11
Spade Tongue Terminals								
571-535551	53555-1	B	#2	22 - 16	.15	.14	.13	.12
571-323127	323127	B	#6	22 - 16	.12	.11	.09	.08
571-34117	34117	B	#8	22 - 16	.28	.26	.24	.22
571-34118	34118	B	#10	22 - 16	.12	.11	.09	.08
571-322451	322451	B	#6	12/10	.21	.19	.17	.15
571-32995	32995	B	#8	12/10	.20	.18	.16	.14
Butt Splices								
571-31818	31818	C	- - -	22 - 16	.13	.12	.11	.10
571-31819	31819	C	- - -	16 - 14	.17	.15	.13	.10
571-32151	32151	C	- - -	12/10	.20	.16	.14	.11





OLISTRAND-UNINSULATED TERMINALS

For quantities of 1000 and up, call for quote.

MOUSER TOCK NO.	AMP Part No.	Fig.	Stud Size	Wire Size (AWG)	Dimensions L x W	Price Each 1	100	500
ort Spring Spade Tongue Terminals								
-531751	53175-1	A	4	22-16	.576 x .203	.14	.13	.12
-531201	53120-1	A	6	22-16	.576 x .250	.35	.33	.31
-531231	53123-1	A	6	16-14	.576 x .250	.15	.13	.11
-531261	53126-1	A	6	12-10	.636 x .250	.18	.16	.14

AMOND GRIP-UNINSULATED TERMINALS

For quantities of 1000 and up, call for quote.

g Tongue Terminals								
-31518	31518	B	2	26-22	.464 x .140	.24	.23	.22
-31094	31094	B	4	22-16	.603 x .218	.28	.26	.24
-30996	30996	B	8	22-16	.775 x .312	.28	.26	.24
-30927	30927	B	8	16-14	.790 x .343	.28	.26	.24

OSED END SPLICES

ce Marking:

- 300V, 90°C
- V 600V max. Building Wiring 1000V max. tures and Signs, 105°C UL, 90°C CSA
- ECN 300V 105°C
- EC 600V max. Building wiring 1000V max. Fixtures and signs, 105°C

ax. recommended operating temperature, 150°C

For quantities of 1000 and up, call for quote.

OUSER OCK NO.	AMP Part No.	Fig.	Material	Color	Length	Wire Size (AWG)	Splice Marking	Price Each 1	100	500
I BOMB-TAIL Splices										
34306	34306	C	Copper	Blue	0.750	22-16	VS	.21	.19	.17
34864	34864	C	Copper	Blue	0.800	22-16	VS	.21	.19	.17
3283753	2-328375-3	C	Copper	Purple	0.775	22-14	VS	.13	.11	.10
32341	53234-1	C	Copper	Transparent	1.500	22-12	ECV	.14	.13	.11
n Molded Splices										
35115	35115	D	Copper	Transparent	0.680	22-14	ECN	.12	.10	.09
-559271	55927-1	D	Copper	Black	0.680	22-14	ECN	.36	.34	.32
35653	35653	D	Copper	Transparent	0.775	22-10	ECN	.13	.12	.11
-559291	55929-1	D	Copper	Black	0.970	22-10	EC	.22	.20	.17
328730	328730	D	Copper	Transparent	0.720	22-10	EC	.11	.10	.09

RING TONGUE-RADIATION RESISTANT TERMINALS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each 1	100	500
571-534061	53406-1	E	Red	6	22-16	.27	.25	.23
571-534081	53408-1	E	Red	8	22-16	.29	.27	.25
571-534091	53409-1	E	Red	10	22-16	.29	.27	.25

PIDG RING TONGUE-INSULATION RESTRICTING TERMINALS

For quantities of 1000 and up, call for quote.

571-13205513	1-320551-3	F	Red/Red	8	20	.25	.23	.21
571-13205514	1-320551-4	F	Red/White	8	18	.25	.23	.21
571-2361535	2-36153-5	F	Red/White	10	18	.25	.23	.21
571-518649	51864-9	F	Blue/Green	10	14	.25	.23	.21
571-23205634	2-320563-4	F	Blue/Green	1/4	14	.32	.30	.28
571-2361614	2-36161-4	F	Yellow/Brown	10	10	.34	.32	.30

PIDG OFFSET AND SLOTTED RING TONGUE TERMINALS

For quantities of 1000 and up, call for quote.

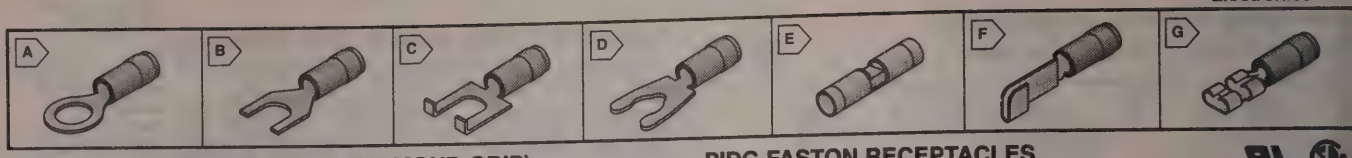
MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each 1	100	500
Slotted								
571-323011	323011	G	Yellow	6	26-22	.22	.20	.18
571-36954	36954	G	Red	8	22-16	.36	.34	.32

PIDG SPARE WIRE CAPS

- Not Sealed

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Cap Insulation Color	Wire Size (AWG)	Price Each 1	100	500
Unstripped Wire							
571-324485	324485	H	Red	------	.23	.21	.19
Stripped Wire							
571-328307	328307	I	Red	22-18	.24	.22	.20



PIDG NYLON (PRE-INSULATED DIAMOND GRIP) TERMINALS

Designed for complete and uniform reliability in the most difficult circuit environments. These nylon terminals feature a tin plated copper body with a specially designed copper sleeve fitted over the terminal barrel to provide maximum circumferential insulation support to the wire.

Features:
- High dielectric strength
- Temperature rating: 105°C
- Meet or exceed requirements of MIL-T-7928, Type II, Class 1 & 2
- Funnel ramp entry
- Copper support sleeve for insulation

LR7189

✻ 26-22 splices are 26-24 range in accordance with MIL-T-7928.
† 22-16 splices are 22-18 range in accordance with MIL-T-7928.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each 1	100	500
Ring Tongue Terminals								
571-323912	323912	A	Yellow	#2	26 - 22	.17	.16	.15
571-323914	323914	A	Yellow	#4	26 - 22	.17	.16	.15
571-323915	323915	A	Yellow	#6	26 - 22	.17	.16	.15
571-323916	323916	A	Yellow	#8	26 - 22	.28	.24	.21
571-324075	324075	A	Yellow	#10	26 - 22	.20	.19	.18
571-328657	328657	A	Red	#2	22 - 16	.23	.20	.17
571-31880	31880	A	Red	#4	22 - 16	.23	.20	.17
571-36152	36152	A	Red	#6	22 - 16	.16	.14	.12
571-31890	31890	A	Red	#8	22 - 16	.16	.14	.12
571-36154	36154	A	Red	#10	22 - 16	.16	.14	.12
571-31894	31894	A	Red	1/4"	22 - 16	.19	.18	.17
571-31895	31895	A	Red	5/16"	22 - 16	.19	.18	.17
571-31897	31897	A	Red	3/8"	22 - 16	.21	.20	.19
571-320619	320619	A	Blue	#6	16 - 14	.14	.13	.12
571-320565	320565	A	Blue	#8	16 - 14	.16	.14	.12
571-36160	36160	A	Blue	#10	16 - 14	.16	.14	.12
571-321045	321045	A	Blue	1/4"	16 - 14	.15	.14	.13
571-328998	328998	A	Blue	5/16"	16 - 14	.26	.23	.20
571-328999	328999	A	Blue	3/8"	16 - 14	.20	.19	.18
571-35149	35149	A	Yellow	#6	12 - 10	.20	.19	.18
571-35108	35108	A	Yellow	#8	12 - 10	.16	.15	.14
571-35109	35109	A	Yellow	#10	12 - 10	.16	.15	.14
571-35110	35110	A	Yellow	1/4"	12 - 10	.36	.28	.24
571-35111	35111	A	Yellow	5/16"	12 - 10	.22	.21	.20
571-35112	35112	A	Yellow	3/8"	12 - 10	.22	.21	.20
571-35151	35151	A	Yellow	1/2"	12 - 10	.34	.30	.29
Spade Tongue Terminals								
571-328394	328394	B	Red	#2	22 - 16	.23	.20	.17
571-327717	327717	B	Red	#4	22 - 16	.19	.18	.17
571-34541	34541	B	Red	#6	22 - 16	.16	.14	.12
571-32053	32053	B	Red	#8	22 - 16	.17	.16	.15
571-32054	32054	B	Red	#10	22 - 16	.23	.20	.17
571-35559	35559	B	Blue	#6	16 - 14	.23	.20	.17
571-32059	32059	B	Blue	#8	16 - 14	.23	.20	.17
571-321233	321233	B	Blue	#8	16 - 14	.26	.23	.19
571-32060	32060	B	Blue	#10	16 - 14	.18	.17	.16
571-32589	32589	B	Yellow	#10	12 - 10	.33	.27	.23
Flanged Spade Tongue Terminals								
571-324608	324608	C	Red	#2	22 - 16	.30	.26	.22
571-32562	32562	C	Red	#6	22 - 16	.18	.17	.16
571-320861	320861	C	Blue	#6	16 - 14	.18	.17	.16
571-320862	320862	C	Blue	#8	16 - 14	.18	.17	.16
571-325150	325150	C	Yellow	#6	12 - 10	.38	.36	.34
Short Spring Spade Tongue Terminals								
571-52927	52927	D	Red	#4	22 - 16	.17	.16	.15
571-52929	52929	D	Red	#6	22 - 16	.18	.17	.16
571-52930	52930	D	Red	#8	22 - 16	.18	.17	.16
571-52931	52931	D	Red	#10	22 - 16	.27	.25	.23
571-52935	52935	D	Blue	#6	16 - 14	.18	.17	.16
571-52936	52936	D	Blue	#8	16 - 14	.24	.22	.20
571-52937	52937	D	Blue	#10	16 - 14	.24	.22	.20
571-52941	52941	D	Yellow	#6	12 - 10	.26	.24	.22
571-52942	52942	D	Yellow	#8	12 - 10	.27	.25	.23
571-52943	52943	D	Yellow	#10	12 - 10	.27	.25	.23
Butt Splices								
✻571-323994	323994	E	Yellow	- - -	26 - 22	.35	.33	.31
†571-320559	320559	E	Red	- - -	22 - 16	.36	.32	.31
571-320562	320562	E	Blue	- - -	16 - 14	.36	.32	.31
571-320570	320570	E	Yellow	- - -	12 - 10	.52	.50	.48
Knife Disconnect Splices								
571-32446	32446	F	Red	- - -	22 - 16	.30	.28	.26
571-32448	32448	F	Blue	- - -	16 - 14	.30	.28	.26

PIDG FASTON RECEPTACLES

E66717 LR7189

Features:
- Tin-plated brass

No dimple with wire stop

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Size (In.)	Wire Size (AWG)	Price Each 1	100	500
571-6409231	640923-1	G	Red	.110" x .020"	22 - 18	.24	.21	.19
571-6409291	640929-1	G	Blue	.110" x .020"	16 - 14	.24	.21	.19
571-428441	42844-1	G	Green	.250" x .032"	14 - 12	.32	.25	.23
571-6409171	640917-1	G	Red	.187" x .020"	22 - 18	.19	.17	.14
✻571-6409111	640911-1	G	Red	.205" x .032"	22 - 18	.24	.21	.19
✻571-6409151	640915-1	G	Blue	.205" x .032"	16 - 14	.24	.21	.19
✻571-608941	60894-1	G	Natural	.110" x .032"	22 - 18	.18	.17	.16
571-6409191	640919-1	G	Blue	.187" x .020"	16 - 14	.24	.21	.19
✻571-6409091	640909-1	G	Red	.205" x .020"	22 - 18	.24	.21	.19
571-6409031	640903-1	G	Red	.250" x .032"	22 - 18	.19	.17	.14
571-6409051	640905-1	G	Blue	.250" x .032"	16 - 14	.19	.17	.14
571-6409071	640907-1	G	Yellow	.250" x .032"	12 - 10	.18	.17	.16

✻ Dimple with wire stop

LR718

PLASTI-GRIP VINYL PRE-INSULATED TERMINALS

22-16 terminals and splices are stamped 22-18 in accordance with MIL-T-7928

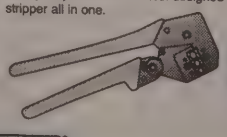
Features:
- Tin-plated copper
- Vinyl insulation
- Temperature rating: 90°C

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each 1	100	500
Ring Tongue Terminals								
571-34141	34141	A	Red	#4	22 - 16	.20	.18	.16
571-34142	34142	A	Red	#6	22 - 16	.20	.18	.16
571-34148	34148	A	Red	#8	22 - 16	.12	.10	.09
571-34149	34149	A	Red	#10	22 - 16	.20	.18	.16
571-34151	34151	A	Red	5/16"	22 - 16	.22	.20	.18
571-34160	34160	A	Blue	#8	16 - 14	.13	.12	.11
571-34161	34161	A	Blue	#10	16 - 14	.20	.18	.16
571-34163	34163	A	Blue	5/16"	16 - 14	.22	.20	.18
571-34853	34853	A	Yellow	#8	12 - 10	.23	.21	.19
571-34854	34854	A	Yellow	#10	12 - 10	.23	.21	.19
571-34173	34173	A	Yellow	3/8"	12 - 10	.25	.23	.21
Spade Tongue Terminals								
571-320665	320665	B	Red	#6	22 - 16	.20	.18	.16
571-34156	34156	B	Red	#10	22 - 16	.20	.18	.16
571-322994	322994	B	Blue	#6	16 - 14	.20	.18	.16
571-34166	34166	B	Blue	#8	16 - 14	.20	.18	.16
571-34176	34176	B	Yellow	#10	12 - 10	.23	.21	.19
Flanged Spade Tongue Terminals								
571-322249	322249	C	Red	#6	22 - 16	.18	.16	.14
571-328516	328516	C	Red	#10	22 - 16	.28	.25	.23
571-324165	324165	C	Blue	#6	16 - 14	.18	.16	.14
Short Spring Spade Tongue Terminals								
571-52949	52949	D	Red	#6	22 - 16	.19	.17	.15
Butt Splices								
571-34070	34070	E	Red	- - -	22 - 16	.14	.13	.12
571-34071	34071	E	Blue	- - -	16 - 14	.14	.13	.12
571-34072	34072	E	Yellow	- - -	12 - 10	.22	.18	.14

CRIMP TOOL FOR SOLDERLESS TERMINALS

Heavy duty or small task tool designed with crimper, cutter, and stripper all in one.



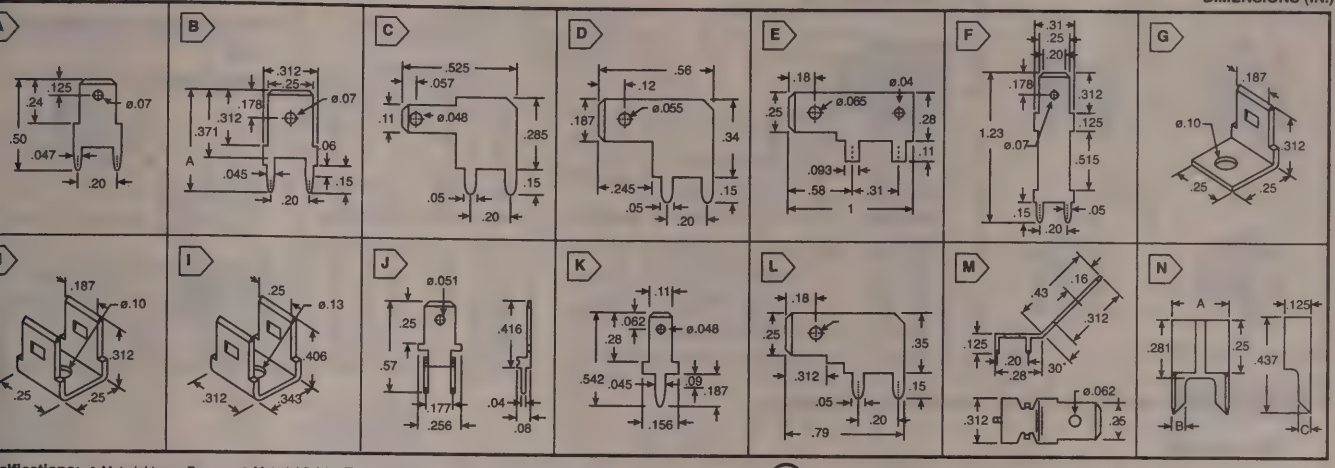
MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-3549401	354940-1	Procrimper II without dies	75.
571-584231	58423-1	Die set for Procrimper II	45.

KEYSTONE Terminals & 9V Battery Snaps

KEYSTONE

EYSTONE PC QUICK-FIT TERMINALS

DIMENSIONS (IN.)



Specifications: • Material type: Brass • Material finish: Tin or bright

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Tab Size (In.)	Description	Finish	Price Each 1	100	500
-1212	A	.187	PCB straight terminal, .032" thick	Tin	.12	.06	.05
-1285	A	.187	PCB straight terminal, .020" thick	Tin	.10	.05	.04
-1213	A	.205	PCB straight terminal, .032" thick	Tin	.12	.06	.05
-1286	A	.205	PCB straight terminal, .020" thick	Tin	.10	.05	.04
-1289	B	.250	PCB straight terminal, Dim. A = .780	Tin	.12	.06	.05
-1287	B	.250	PCB straight terminal, Dim. A = .552	Tin	.12	.06	.05
-1287-ST	B	.250	PCB straight terminal, Dim. A = .710	Tin	.09	.06	.05
-1289-ST	B	.250	PCB straight terminal, Dim. A = .552	Tin	.22	.11	.10
-4903	C	.110	PCB right angle terminal, .020" thick	Tin	.26	.13	.12
-4906	C	.110	PCB right angle terminal, .032" thick	Tin	.26	.13	.12
-4904	D	.187	PCB right angle terminal, .020" thick	Tin	.25	.13	.12
-4907	D	.187	PCB right angle terminal, .032" thick	Tin	.25	.13	.12
-1265	E	.250	PCB right angle terminal	Tin	.18	.09	.08
-1281	F	.250	PCB tall terminal	Tin	.19	.10	.09
-1261	G	.187	Single tab rivet type terminal	Bright	.21	.11	.09
-1262	H	.187	Dual tab rivet type terminal	Bright	.30	.15	.13

UL * Not UL Rated

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Tab Size (In.)	Description	Finish	Price Each 1	100	500
534-1257	I	.250	Dual tab rivet type terminal	Bright	.12	.06	.05
534-2003	I	.110	Dual tab rivet type terminal	Bright	.12	.11	.09
534-4900	J	.187	Male sturdi-mount terminal	Tin	.17	.08	.07
534-4901	J	.250	Male sturdi-mount terminal	Tin	.17	.08	.07
534-4902	J	.250	Male sturdi-mount terminal	Tin	.17	.08	.07
534-1267	K	.110	Male single point terminal	Tin	.13	.06	.05
534-1211	K	.110	Male single point terminal	Tin	.14	.07	.06
534-4966	L	.250	PCB right angle terminal, .590" wide	Tin	.14	.07	.06
534-1266	L	.250	PCB right angle terminal, .789" wide	Tin	.14	.07	.06
534-4908	M	.250	PCB right angle terminal	Tin	.36	.18	.16

Female

For quantities of 1000 and up, call for quote.

*534-3525	N	.205	Dim.A: .271; Dim.B: .075; Dim.C: .060	Tin	.18	.09	.07
*534-3528	N	.250	Dim.A: .291; Dim.B: .090; Dim.C: .050	Tin	.18	.09	.07

YSTONE PC QUICK-FIT MALE STURDI-MOUNT HEADERS

Steel

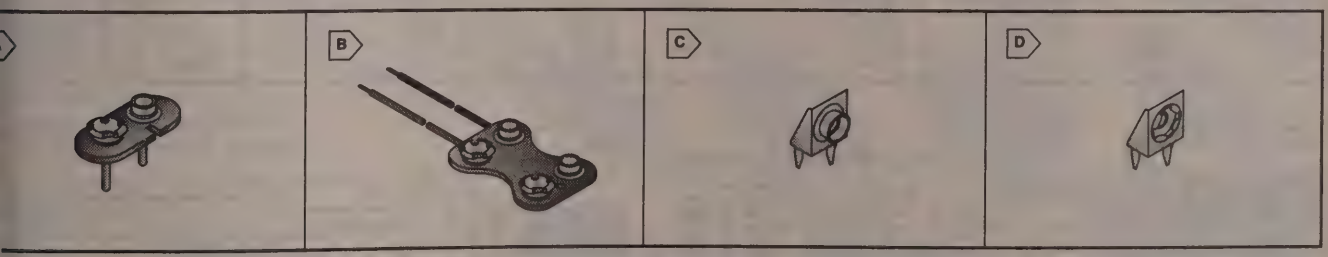
For quantities of 5000 and up, call for quote.

Horizontal Headers MOUSER STOCK NO.	Fig.	Vertical Headers MOUSER STOCK NO.	Fig.	No. of Tabs	Price Each 1	100	500	1000
534-7822	A	534-7832	B	2	1.02	.51	.46	.26
534-7823	A	534-7833	B	3	1.53	.77	.70	.39
534-7824	A	534-7834	B	4	1.69	.85	.77	.44
534-7825	A	534-7835	B	5	2.12	1.06	.93	.55
534-7826	A	534-7836	B	6	2.34	1.17	1.07	.60

Brass

For quantities of 5000 and up, call for quote.

Horizontal Headers MOUSER STOCK NO.	Fig.	Vertical Headers MOUSER STOCK NO.	Fig.	No. of Tabs	Price Each 1	100	500	1000
534-7802	A	534-7812	B	2	1.73	.86	.79	.45
534-7803	A	534-7813	B	3	2.33	1.16	1.06	.60
534-7804	A	534-7814	B	4	2.59	1.29	1.18	.67
534-7805	A	534-7815	B	5	3.11	1.56	1.42	.80
534-7806	A	534-7816	B	6	3.44	1.72	1.56	.89



YSTONE "9 VOLT" PC CONNECTOR

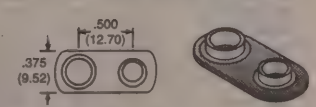
piece construction • Wave solderable • Anti-wicking design

For quantities of 1000 and up, call for quote.

USER K NO.	Fig.	Description	Price Each 1	10	100	500
68	A	9 volt PC connector, with PC pins	.72	.60	.56	.48
3	A	9 volt PC connector, w/o PC pins	.30	.28	.24	.19
27	B	Parallel 9V dual battery snap	1.55	1.29	1.20	1.02
35	C	PCB snap-ons, male connector	.23	.22	.18	.16
36	D	PCB snap-ons, female connector	.28	.26	.19	.15

KEYSTONE "9 VOLT" PROTECTIVE BATTERY CAP

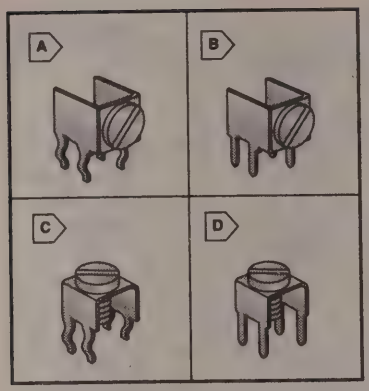
- Protects 9 volt batteries and battery packs when not in use
- Shields the battery contacts and reduces the potential of a short circuit between poles
- Protects the battery contacts from damage due to dust, dirt and contamination
- Impact resistant polypropylene, black



DIMENSIONS IN. (mm)

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each 1	100	500	1000
534-96	Protective battery cap	.20	.10	.09	.05



KEYSTONE PC MOUNT SCREW TYPE TERMINAL POST

Features:
- Current rating: 15A
- Terminal material: tin-plated brass
- Screw type: 6-32 x 1/4LG nickel-plated steel
† Screw type: M3x6.35L nickel-plated steel

Horizontal

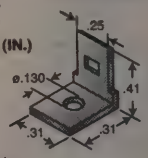
MOUSER STOCK NO.	Fig.	Description	Price Each 1	100	500	1000
534-7690	A	Snap mount terminal, loose	.42	.21	.19	.12
534-7692	A	Snap mount terminal, assembled	.50	.25	.21	.17
† 534-7689	A	Snap mount terminal, loose	.42	.21	.19	.12
† 534-7695	A	Snap mount terminal, assembled	.50	.25	.21	.17
534-8190	B	Horizontal PC mount	.39	.20	.17	.11
534-7700	B	PC mount terminal assembled	.44	.22	.20	.16

Vertical

534-7691	C	Snap mount terminal, loose	.41	.21	.18	.11
534-7693	C	Snap mount terminal, assembled	.48	.24	.20	.17
† 534-7698	C	Snap mount terminal, loose	.41	.21	.18	.11
† 534-7696	C	Snap mount terminal, assembled	.48	.24	.20	.17
534-8191	D	Vertical PC mount	.39	.19	.17	.10
534-7701	D	PC mount terminal, assembled	.45	.22	.19	.16

KEYSTONE PC BOARD DISCONNECT TAB

DIMENSIONS (IN.)



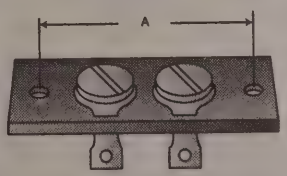
Features:
- Bright brass plate
- Mating tab portion designed to NEMA standard
- Terminal dimension: .250" x .03"

† 90° * 45°

MOUSER STOCK NO.	Price Each 1	100	1000	500
†534-1256	.10	.05	.038	.03
*534-1280	.10	.05	.044	.03

KEYSTONE SCREW TYPE TERMINAL BOARDS

DIMENSIONS (IN.)



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	No. of Terminals	Dim. A (In.)	Price Each 1	10	100
534-4188	2	1.31	.60	.50	.43
534-4189	3	1.75	.83	.69	.58
534-4190	4	2.19	1.07	.89	.81
534-4191	5	2.63	1.33	1.11	.94

For quantities of 500 and up, call for quot

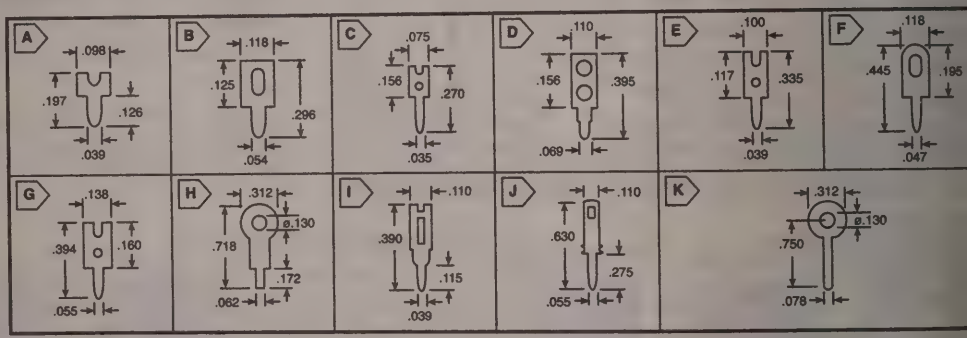
MOUSER STOCK NO.	No. of Terminals	Dim. A (In.)	Price Each 1	10	10
534-4192	6	3.06	1.55	1.29	1.1
534-4194	8	3.94	2.15	1.79	1.6
534-4196	10	4.81	2.70	2.25	2.0
534-4195	9	4.375	2.19	1.97	1.7

KEYSTONE TEST POINT TERMINALS

DIMENSIONS (IN.

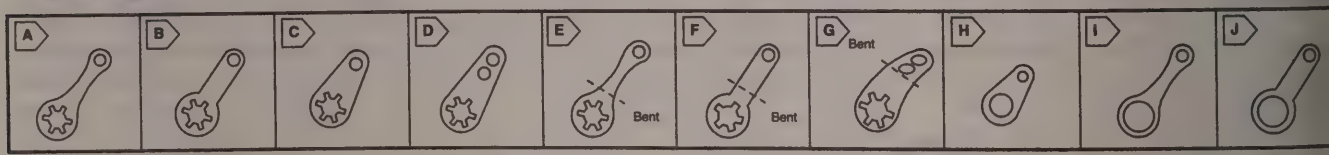
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Price Each 1	100	500	1000
534-4950	A	.18	.09	.08	.05
534-1033	B	.13	.07	.06	.05
534-1031	C	.14	.07	.06	.05
534-1038	D	.13	.07	.06	.05
534-1035	E	.13	.07	.06	.05
534-1249	F	.14	.07	.06	.05
534-1039	G	.13	.07	.06	.05
534-680	H	.17	.08	.07	.04
534-1040	I	.12	.06	.05	.04
534-1041	J	.17	.08	.07	.06
534-4002	K	.14	.07	.06	.04



KEYSTONE TERMINAL SOLDER AND LOCKWASHER LUGS

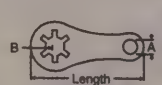
Tinned Bras



- Tinned brass for easy soldering
- Easy way of providing ground
- Built-in locking washer

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.) Length	A	Thick	Screw Sz (B)	Price Each 1	100	1000
534-903	A	7/8	3/32	.018	4	.15	.074	.038
534-904	A	7/8	3/32	.018	6	.15	.074	.038
534-905	A	7/8	3/32	.018	8	.15	.074	.038
534-905-10	A	7/8	3/32	.018	10	.15	.074	.038
534-909	B	47/64	3/32	.018	4	.15	.075	.039
534-916	B	47/64	3/32	.018	6	.15	.075	.039
534-917	B	47/64	3/32	.018	8	.15	.075	.039
534-908	C	5/8	3/32	.018	4	.14	.069	.035
534-914	C	5/8	3/32	.018	6	.14	.069	.035
534-915	C	5/8	3/32	.018	8	.14	.069	.035
534-910	D	23/32	3/32	.018	4	.14	.071	.037
534-918	D	23/32	3/32	.018	6	.14	.071	.037
534-906	D	23/32	3/32	.018	8	.14	.071	.037
534-7317	E	13/16	3/32	.018	4	.15	.074	.038
534-7318	E	13/16	3/32	.018	6	.15	.074	.038
534-7319	E	13/16	3/32	.018	8	.15	.074	.038



* Non-locking

For quantities of 5000 and up, call for qu

MOUSER STOCK NO.	Fig.	Dimensions (In.) Length	A	Thick	Screw Sz (B)	Price Each 1	100	10
534-7314	F	23/32	3/32	.018	4	.15	.075	.0
534-7315	F	23/32	3/32	.018	6	.15	.075	.0
534-7316	F	23/32	3/32	.018	8	.15	.075	.0
534-7311	G	41/64	3/32	.018	4	.14	.07	.0
534-7312	G	41/64	3/32	.018	6	.14	.07	.0
534-7313	G	41/64	3/32	.018	8	.14	.07	.0
*534-7328	H	17/32	.076	.015	4	.15	.073	.0
*534-7329	H	17/32	.076	.015	6	.15	.073	.0
*534-7330	H	17/32	.076	.015	8	.15	.073	.0
534-7325	I	11/16	5/64	.020	4	.14	.068	.0
534-7326	I	11/16	5/64	.020	6	.14	.068	.0
534-7327	I	11/16	5/64	.020	8	.14	.068	.0
534-7333	J	7/8	3/32	.020	8	.12	.101	.0
534-4004	H	.515	.093	.016	-	.12	.061	.0

OBICONN Test Points, Terminal Strips, & Terminal Blocks

KOBICONN

BICONN TEST POINTS GLASS BEAD INSULATOR

CB test point and terminals feature a large loop for easy probe attachment or to
te the clipping on of other components.

are ideal for components which need frequent replacement and are also suitable for
hot components above the surface of the PCB.

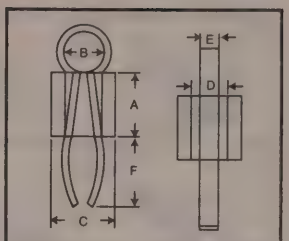
s bead in a choice of eight colors for identification purposes ensures a snug fit on
ard. White, yellow, black, brown, blue, pink, red
reen are available. Other colors available upon request.

nique shape of the test point will not damage through-plated holes during assembly
events any movement prior to soldering.

Also ideal as terminals.
- Three sizes
- Choice of eight colors

DIMENSIONS (IN.)	
.040" Mounting Hole	.052" Mounting Hole
A= .120-.130	A= .112-.122
B= .051-.059	B= .080-.085
C= .087-.097	C= .113-.123
D= .042-.052	D= .059-.069
E= .020	E= .032
F= .109	F= .109
	F= .141 *

* 3/32" board thickness only



Small

Large

Large Long Legged

rial:
boro silicate sintered glass
phosphor bronze B5384 solder tinned

Price Each						
	100	500	1000	5000	10000	25000
	.198	.152	.132	.119	.107	.096

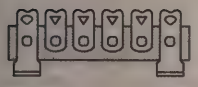
† Note: Coefficient of expansion is quoted for the range of 50°C to 300°C.

Glass Bead									
†Coeff.	Density	Viscosity Poise °C			Log (OHM. CM)			Dielectric Properties	
Term. Expn x10°/°C	g/cc	14.6	13	7.6	TR.	DC. Resistivity		at 1MHZ at 20°C	
		10	10	10	100	250°C	350°C	Const	Loss Angle
4.94	2.27	475	515	719	365	10.01	8.2	5.7	0.003

OUSER OCK NO.	Board Thickness (In.)	Mounting Hole (In.)	MOUSER STOCK NO.	Board Thickness (In.)	Mounting Hole (In.)	MOUSER STOCK NO.	Board Thickness (In.)	Mounting Hole (In.)	Color
-201	1/16	.040	151-101	1/16	.052	151-301	3/32	.052	White
-202	1/16	.040	151-102	1/16	.052	151-302	3/32	.052	Yellow
-203	1/16	.040	151-103	1/16	.052	151-303	3/32	.052	Black
-204	1/16	.040	151-104	1/16	.052	151-304	3/32	.052	Brown
-205	1/16	.040	151-105	1/16	.052	151-305	3/32	.052	Blue
-206	1/16	.040	151-106	1/16	.052	151-306	3/32	.052	Pink
-207	1/16	.040	151-107	1/16	.052	151-307	3/32	.052	Red
-208	1/16	.040	151-108	1/16	.052	151-308	3/32	.052	Green

BICONN TERMINAL STRIPS

- Lug: tin plated
- Strip: phenolic .375"x.062"
- Mount: for #6 screw



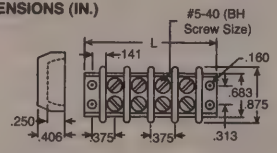
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Desc.	Price Each		
			1	10	100
158-1002	A	2 lugs	.25	.17	.15
158-1003	A	3 lugs	.33	.22	.20
158-1004	A	4 lugs	.43	.29	.26
158-1005	A	5 lugs	.54	.36	.33
158-1006	B	6 lugs	.65	.43	.39
158-1007	B	7 lugs	.76	.51	.46
158-1008	B	8 lugs	.87	.58	.52

KOBICONN BARRIER TERMINAL BLOCKS

Insulator material is UL94V-0 molded phenolic. Eyelets are nickel plated brass, screws are nickel plated steel, 10 amp rated. Universal screw head fits slotted or phillips screwdriver.

DIMENSIONS (IN.)



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Term.	L	Price Each		
			1	25	50
15BB002	2	1.425	.69	.54	.48
15BB004	4	2.175	.94	.75	.66
15BB006	6	2.550	1.44	1.07	.96
15BB008	8	3.675	1.67	1.34	1.18
15BB010	10	5.175	2.10	1.70	1.50

INESTOCK CLIPS

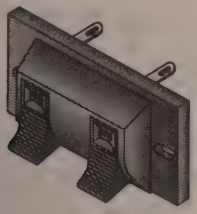
res:
k connect
k disconnect
clip
ry clip
inal/connector
el plated, spring brass

For quantities of 10,000 and up, call for quote.

OUSER CK NO.	Screw Size	W x L (In.)	Price Each			
			1	100	1000	5000
11-4034C	6	5/16 x 3/4	.21	.19	.14	.13

BICONN COMPRESSION TERMINAL BLOCKS

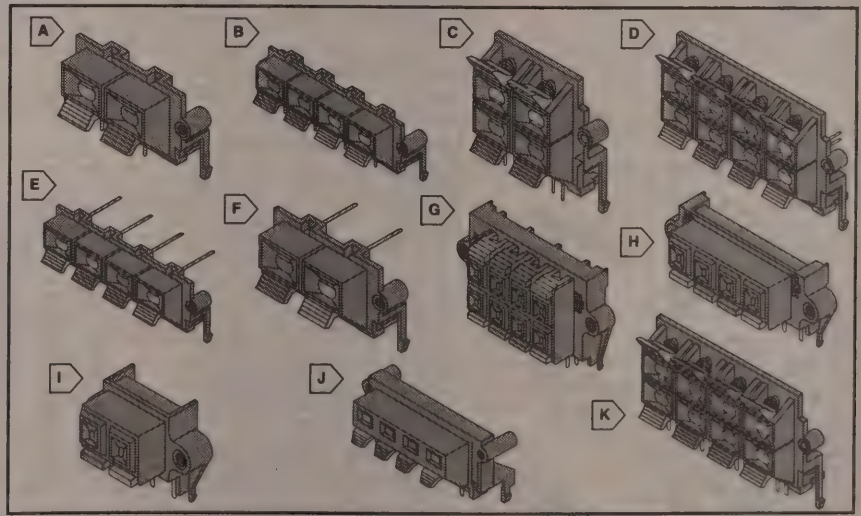
connect terminals. Ideal for speaker systems and other audio or low voltage
tions. These terminal blocks firmly grasp stripped wire.
oded (black and red)



OUSER CK NO.	Position	Price Each			
		1	10	100	500
T200	2	.95	.73	.66	.60
0400	4	1.46	1.22	1.12	1.01

KOBICONN COMPRESSION TERMINALS

Printed circuit terminals. Ideal for speaker systems and other audio or low voltage applications.
These terminal blocks firmly grasp stripped wire. Buttons are color coded black and red.



MOUSER STOCK NO.	Fig.	Position	Price Each			
			1	10	100	500
151-0300	A	2	.64	.49	.45	.41
151-CJ9002	B	4	1.18	.91	.70	.54
151-CJ9007	C	4	1.18	.91	.70	.54
151-CJ9011	D	8	1.85	1.42	1.09	.84
151-CJ9012	E	4	1.31	1.01	.78	.60
151-CJ9018	F	2	.86	.66	.51	.39

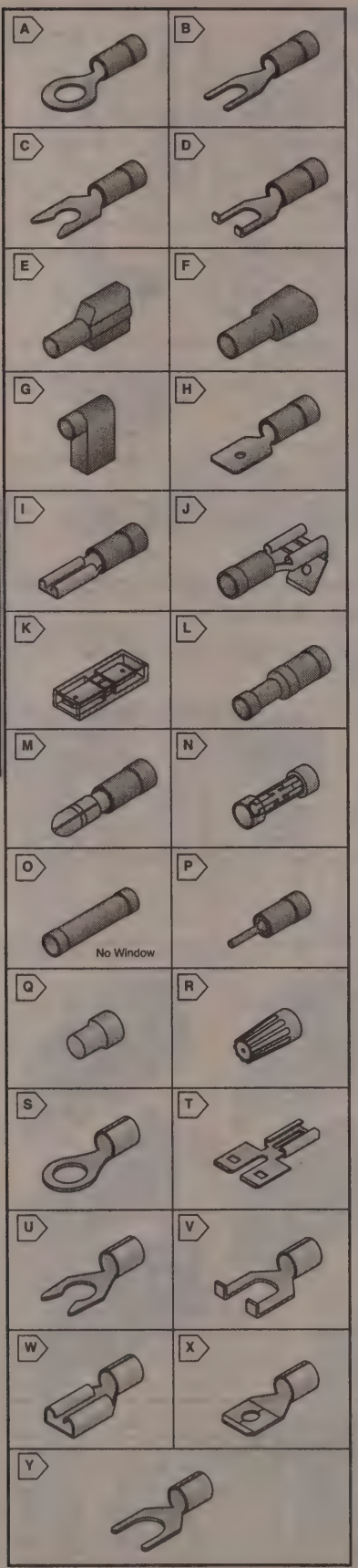
MOUSER STOCK NO.	Fig.	Position	Price Each			
			1	10	100	500
151-CJ9019	G	8	1.98	1.52	1.17	.90
151-CJ9020	H	4	1.31	1.01	.78	.60
151-CJ9021	I	2	.86	.66	.51	.39
151-CJ9028	J	4	1.39	1.07	.82	.63
151-CJ9031	K	8	1.98	1.52	1.17	.90

Terminals

KOBICONN

KOBICONN Insulated / Uninsulated Terminals

KOBICON



INSULATED SOLDERLESS TERMINALS

Ring Terminals Vinyl Insulated

E96029

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each 1	100	1000	5000
159-2201	A	Red	1/4"	22-16	.18	.117	.100	.079
159-2202	A	Red	5/16"	22-16	.18	.117	.100	.079
159-2204	A	Red	#4	22-16	.15	.087	.075	.058
159-2206	A	Red	#6	22-16	.15	.087	.075	.058
159-2208	A	Red	#8	22-16	.15	.087	.075	.058
159-2210	A	Red	#10	22-16	.15	.087	.075	.058
159-1601	A	Blue	#4	16-14	.14	.082	.068	.056
159-1602	A	Blue	1/4"	16-14	.19	.122	.105	.082
159-1603	A	Blue	5/16"	16-14	.19	.122	.105	.082
159-1606	A	Blue	#6	16-14	.15	.087	.075	.058
159-1608	A	Blue	#8	16-14	.15	.087	.075	.058
159-1610	A	Blue	#10	16-14	.15	.087	.075	.058
159-1201	A	Yellow	#6	12/10	.19	.122	.105	.082
159-1202	A	Yellow	#8	12/10	.22	.148	.122	.096
159-1203	A	Yellow	#10	12/10	.22	.148	.122	.096
159-1204	A	Yellow	1/4"	12/10	.31	.197	.170	.128
159-1205	A	Yellow	5/16"	12/10	.35	.212	.185	.141
159-1206	A	Yellow	3/8"	12/10	.35	.212	.185	.141

Spade Terminals Vinyl Insulated

159-2226	B	Red	#6	22-16	.15	.087	.075	.058
159-2228	B	Red	#8	22-16	.15	.087	.075	.058
159-2220	B	Red	#10	22-16	.15	.087	.075	.058
159-1626	B	Blue	#6	16-14	.15	.087	.075	.058
159-1628	B	Blue	#8	16-14	.15	.087	.075	.058
159-1620	B	Blue	#10	16-14	.15	.087	.075	.058
159-1207	B	Yellow	#8	12/10	.22	.148	.122	.095
159-1208	B	Yellow	#10	12/10	.22	.148	.122	.095

Locking Spade Terminals Vinyl Insulated

159-2203	C	Red	#6	22-16	.15	.087	.075	.058
159-2207	C	Red	#8	22-16	.15	.087	.075	.058
159-2209	C	Red	#10	22-16	.15	.087	.075	.058
159-1605	C	Blue	#6	16-14	.16	.098	.079	.062
159-1607	C	Blue	#8	16-14	.16	.098	.079	.062

Flanged Spade Terminals Vinyl Insulated

159-2236	D	Red	#6	22-16	.15	.087	.075	.058
159-2238	D	Red	#8	22-16	.15	.087	.075	.058
159-2230	D	Red	#10	22-16	.15	.087	.075	.058
159-1636	D	Blue	#6	16-14	.15	.087	.075	.058
159-1638	D	Blue	#8	16-14	.15	.087	.075	.058
159-1630	D	Blue	#10	16-14	.15	.087	.075	.058

Couplers (Male) Nylon Insulated

MOUSER STOCK NO.	Fig.	Color	Wire Size (AWG)	Tab Width (In.)	Price Each 1	100	1000	5000
159-3251	E	Red	22-16	.250x.032	.26	.210	.185	.113
159-7251	E	Blue	16-14	.250x.032	.26	.210	.185	.113

Couplers (Female) Vinyl Insulated

159-2215	F	Red	22-16	.250x.032	.18	.117	.100	.079
159-1618	F	Blue	16-14	.250x.032	.18	.117	.100	.079

Couplers (Female) Nylon Insulated

159-3250	F	Red	22-16	.250x.032	.26	.210	.185	.113
159-7250	F	Blue	16-14	.250x.032	.26	.210	.185	.113

Flag Disconnects (Female) Nylon Insulated

159-2225	G	Red	22-16	.250x.032	.26	.210	.185	.113
159-1625	G	Blue	16-14	.250x.032	.26	.210	.185	.113

Disconnects Vinyl Insulated

MOUSER STOCK NO.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each 1	100	1000	5000
159-2250	H	Red	.250x.032	22-16	.15	.087	.075	.058
159-6250	H	Blue	.250x.032	16-14	.15	.087	.075	.058
159-1210	H	Yellow	.250x.032	22-10	.16	.098	.079	.066
159-2211	I	Red	.11x.020	22-16	.15	.087	.075	.058
159-2187	I	Red	.187x.020	22-16	.15	.087	.075	.058
159-2205	I	Red	.20x.020	22-16	.15	.087	.075	.058
159-2251	I	Red	.250x.032	22-16	.15	.087	.075	.058
159-1604	I	Blue	.110x.020	16-14	.13	.105	.082	.056
159-6187	I	Blue	.187x.020	16-14	.15	.087	.075	.058
159-6205	I	Blue	.20x.020	16-14	.15	.087	.075	.058
159-6251	I	Blue	.250x.032	16-14	.15	.087	.075	.058
159-1209	I	Yellow	.250x.032	12/10	.17	.123	.105	.072
159-2212	J	Red	.250x.032	22-16	.21	.111	.096	.087
159-1611	J	Blue	.250x.032	16-14	.22	.148	.122	.088

Adapter- Male to Male Disconnect Vinyl Insulated

159-1502	K	Clear	.250x.032	- - - -	.32	.197	.170	.133

Bullet Connectors Vinyl Insulated

* Not UL Listed

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each 1	100	1000	5000
*159-2156	L	Red	0.157	22-16	.17	.123	.105	.080
*159-3156	M	Red	0.157	22-16	.15	.087	.075	.058
*159-1612	L	Blue	0.157	16-14	.21	.111	.096	.076
*159-1613	L	Blue	0.195	16-14	.18	.117	.100	.079
*159-1615	M	Blue	0.157	16-14	.14	.082	.068	.056
*159-1616	M	Blue	0.195	16-14	.15	.087	.075	.058

* Insulated Terminals and Connectors are UL and CSA approved, except where indicated with an asterisk, which is UL approved.

Adapter- Bullet to Bullet Connector Vinyl Insulated

For quantities of 10,000 and up, call for quo

MOUSER STOCK NO.	Fig.	Color	Wire Size (AWG)	Tab Width (In.)	Price Each 1	100	1000	500
159-1501	N	Yellow	0.156	- - - - -	.28	.170	.155	.11

Butt Connectors Vinyl Insulated

For quantities of 10,000 and up, call for quo

MOUSER STOCK NO.	Fig.	Color	Wire Size (AWG)	Tab Width (In.)	Price Each 1	100	1000	500
159-1622	O	Red	- - - -	22-16	.15	.087	.075	.05
159-1614	O	Blue	- - - -	16-14	.15	.087	.075	.05
159-1213	O	Yellow	- - - -	12/10	.27	.170	.141	.11

Pin Terminals Vinyl Insulated

For quantities of 10,000 and up, call for quo

159-2213	P	Red	0.074	22-16	.16	.098	.079	.06
159-1617	P	Blue	0.074	16-14	.16	.098	.079	.06
159-1211	P	Yellow	0.11	12/10	.34	.213	.185	.14

Closed End Terminals Vinyl Insulated

† 2x14 AWG or 1x8 AWG

For quantities of 10,000 and up, call for quo

159-1801	Q	- - - -	- - - -	12/10	.30	.185	.155	.12
159-1802	Q	- - - -	- - - -	14-8†	.32	.197	.170	.13

Wire Nuts

For quantities of 10,000 and up, call for qu

159-2216	R	Gray	- - - -	22-16	.15	.087	.075	.07
159-2214	R	Orange	- - - -	22-14	.13	.087	.075	.06
159-1803	R	Yellow	- - - -	18-12	.18	.117	.100	.07
159-1804	R	Red	- - - -	18-10	.24	.141	.123	.09

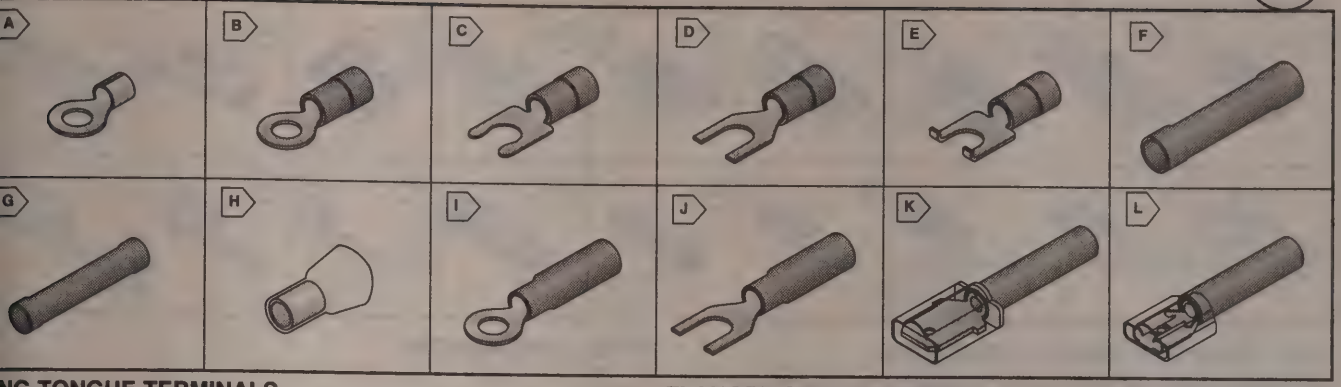
UNINSULATED SOLDERLESS TERMINALS

Brazed Seam Except Where Noted

For quantities of 10,000 and up, call for qu

MOUSER STOCK NO.	Fig.	Stud Size	Wire Size (AWG)	Price Each 1	100	1000	500
Ring Terminals Non-Insulated							
159-2222	S	#4	22 - 16	.10	.060	.051	.04
159-2223	S	#6	22 - 16	.10	.060	.051	.04
159-2224	S	#8	22 - 16	.10	.060	.051	.04
159-2227	S	#10	22 - 16	.10	.063	.056	.04
159-2229	S	1/4"	22 - 16	.10	.063	.056	.04
159-2231	S	5/16"	22 - 16	.10	.063	.056	.04
159-1627	S	#4	16 - 14	.11	.072	.059	.04
159-1629	S	#6	16 - 14	.11	.072	.059	.04
159-1631	S	#8	16 - 14	.11	.072	.059	.04
159-1632	S	#10	16 - 14	.11	.072	.059	.04
159-1633	S	1/4"	16 - 14	.17	.104	.088	.06
159-1634	S	5/16"	16 - 14	.17	.104	.088	.06
159-1217	S	#8	12/10	.21	.123	.108	.08
159-1218	S	#10	12/10	.21	.123	.108	.08
159-1219	S	1/4"	12/10	.30	.163	.139	.10
159-1220	S	5/16"	12/10	.30	.163	.139	.10
159-1221	S	3/8"	12/10	.30	.163	.139	.10
Double Male/Female Adapter							
159-1226	T	.250 x .032	- - - - - -	.20	.125	.106	.08
Locking Spade Terminals Non-Insulated							
159-2241	U	#6	22 - 16	.10	.060	.051	.04
159-2242	U	#8	22 - 16	.10	.060	.051	.04
159-1644	U	#6	16 - 14	.10	.073	.062	.04
159-1645	U	#8	16 - 14	.10	.073	.062	.04
Flange Spade Terminals Non-Insulated Butted Seam							
159-2244A	V	#6	22 - 16	.10	.060	.051	.04
159-2245	V	#8	22 - 16	.10	.060	.051	.04
159-1647	V	#6	16 - 14	.10	.063	.056	.04
159-1649	V	#10	16 - 14	.10	.063	.056	.04
Disconnects Non-Insulated Butted Seam							
159-2235	W	.110 x .020	22 - 16	.06	.034	.030	.02
159-2237	W	.187 x .020	22 - 16	.09	.049	.042	.03
159-2239A	W	.205 x .020	22 - 16	.09	.049	.042	.03
159-2240	W	.250 x .032	22 - 16	.13	.074	.064	.05
159-1640	W	.110 x .020	16 - 14	.06	.034	.030	.02
159-1641	W	.187 x .020	16 - 14	.09	.049	.043	.03
159-1642	W	.205 x .020	16 - 14	.09	.049	.043	.03
159-1643	W	.250 x .032	16 - 14	.13	.074	.064	.05
159-1224	W	.250 x .032	12/10	.13	.075	.064	.05
159-1650	X	.250 x .032	16 - 14	.09	.049	.042	.03
159-1225	X	.250 x .032	12/10	.13	.079	.067	.05
Spade Terminals Non-Insulated							
159-2232	Y	#6	22 - 16	.10	.060	.051	.04
159-2233	Y	#8	22 - 16	.10	.060	.051	.04
159-2234	Y	#10	22 - 16	.10	.072	.062	.04
159-1635	Y	#6	16 - 14	.11	.072	.062	.04
159-1637	Y	#8	16 - 14	.11	.072	.062	.04
159-1639	Y	#10	16 - 14	.11	.072	.062	.04
159-1222	Y	#8	12/10	.18	.117	.100	.07

MOUSER ELECTRONICS a tti company



NG TONGUE TERMINALS

aterial: Copper

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each 1	100	500	1000	5000
rimptite®, Non Insulated									
8-19069-0042	19069-0042	A	18-22	1/4	.12	.09	.07	.06	.05
8-19069-0049	19069-0049	A	18-22	3/8	.12	.09	.07	.06	.05
8-19069-0107	19069-0107	A	14-16	1/4	.12	.09	.07	.06	.05
8-19069-0109	19069-0109	A	14-16	5/16	.12	.09	.07	.06	.05
sulkrimp®, PVC Insulation									
8-19070-0040	19070-0040	B	18-22	5-6	.18	.15	.12	.10	.08
8-19070-0013	19070-0013	B	18-22	8	.12	.10	.09	.08	.07
8-19070-0015	19070-0015	B	18-22	10	.18	.15	.12	.10	.08
8-19070-0023	19070-0023	B	18-22	1/4	.21	.16	.14	.11	.09
8-19070-0067	19070-0067	B	14-16	3-4	.17	.14	.11	.09	.07
8-19070-0069	19070-0069	B	14-16	5-6	.18	.15	.12	.10	.08
8-19070-0086	19070-0086	B	14-16	8	.12	.10	.09	.08	.07
8-19070-0090	19070-0090	B	14-16	10	.18	.15	.12	.10	.08
8-19070-0075	19070-0075	B	14-16	1/4	.20	.16	.13	.10	.09
8-19070-0059	19070-0059	B	14-16	3/8	.23	.18	.15	.12	.10
8-19070-0143	19070-0143	B	10-12	5-6	.17	.14	.11	.09	.07
8-19070-0123	19070-0123	B	10-12	10	.17	.14	.11	.09	.08
8-19070-0132	19070-0132	B	10-12	1/4	.18	.15	.12	.10	.09
8-19070-0153	19070-0153	B	10-12	3/8	.28	.22	.18	.15	.12
ikrimp®, Nylon Insulation									
8-19073-0005	19073-0005	B	18-22	1-2	.23	.18	.15	.12	.10
8-19073-0007	19073-0007	B	18-22	3-4	.23	.18	.15	.12	.10
8-19073-0038	19073-0038	B	18-22	5-6	.23	.18	.15	.12	.10
8-19073-0013	19073-0013	B	18-22	8	.18	.15	.12	.10	.09
8-19073-0017	19073-0017	B	18-22	10	.18	.15	.12	.10	.08
8-19073-0024	19073-0024	B	18-22	1/4	.27	.21	.18	.14	.12
8-19073-0032	19073-0032	B	18-22	3/8	.35	.28	.23	.19	.15
8-19073-0067	19073-0067	B	14-16	5-6	.18	.15	.12	.10	.09
8-19073-0083	19073-0083	B	14-16	5-6	.25	.20	.17	.13	.11
8-19073-0085	19073-0085	B	14-16	8	.25	.20	.17	.13	.11
8-19073-0087	19073-0087	B	14-16	10	.18	.15	.12	.10	.08
8-19073-0076	19073-0076	B	14-16	1/4	.27	.21	.18	.14	.12
8-19073-0059	19073-0059	B	14-16	3/8	.30	.24	.20	.16	.13
8-19073-0170	19073-0170	B	10-12	10	.32	.25	.21	.17	.14
8-19073-0236	19073-0236	B	10-12	3/8	.40	.32	.26	.21	.17

IAP SPADE TERMINALS

aterial: Copper

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each 1	100	500	1000	5000
ulkrimp®, PVC Insulation									
8-19099-0009	19099-0009	C	18-22	5-6	.14	.11	.09	.08	.07
8-19099-0003	19099-0003	C	18-22	8	.14	.11	.09	.08	.07
8-19099-0044	19099-0044	C	10-12	5-6	.28	.22	.18	.14	.12

ADE TONGUE TERMINALS

aterial: Copper

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each 1	100	500	1000	5000
ulkrimp®, PVC Insulation									
8-19144-0001	19144-0001	D	18-22	5-6	.12	.10	.09	.08	.07
8-19144-0003	19144-0003	D	18-22	8	.12	.10	.09	.08	.07
8-19144-0005	19144-0005	D	18-22	10	.18	.14	.12	.09	.08
8-19144-0018	19144-0018	D	14-16	5-6	.14	.11	.09	.07	.06
8-19144-0020	19144-0020	D	14-16	8	.14	.11	.09	.07	.06
8-19144-0026	19144-0026	D	14-16	10	.19	.15	.12	.10	.08
ikrimp®, Nylon Insulation									
8-19198-0070	19198-0070	D	18-22	5-6	.25	.20	.17	.13	.11
8-19198-0016	19198-0016	D	14-16	5-6	.24	.19	.16	.13	.10
8-19198-0047	19198-0047	D	10-12	8	.37	.29	.24	.19	.16

FLANGED SPADE TERMINALS

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each 1	100	500	1000	5000
Insulkrimp®, PVC Insulation									
538-19121-0005	19121-0005	E	22-18	5-6	.18	.14	.12	.10	.09
538-19121-0007	19121-0007	E	22-18	8	.18	.14	.12	.10	.09
538-19121-0009	19121-0009	E	22-18	10	.18	.14	.12	.10	.09
538-19121-0028	19121-0028	E	16-14	8	.13	.10	.09	.08	.07
Avikrimp®, Nylon Insulation									
538-19127-0007	19127-0007	E	22-18	5-6	.24	.19	.16	.13	.10
538-19127-0012	19127-0012	E	22-18	10	.24	.19	.16	.13	.10
538-19127-0042	19127-0042	E	16-14	8	.24	.19	.16	.13	.10

SPLICES

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Color	Price Each 1	100	500	1000	5000
Step Down Butt Splices, Insulated									
538-19154-0022	19154-0022	F	14/16-18/22	Blue w/red stripe	.37	.35	.33	.31	.29
538-19154-0035	19154-0035	F	10/12-14/16	Yel. w/blue stripe	.50	.46	.42	.40	.38
Butt Splices - Insulkrimp, PVC Insulation									
538-19154-0004	19154-0004	G	18-22	- - -	.11	.09	.07	.06	.05
538-19154-0015	19154-0015	G	14-16	- - -	.13	.11	.09	.07	.06
538-19154-0028	19154-0028	G	10-12	- - -	.19	.15	.12	.10	.08

Closed-End Splices, Nylon-Insulated

Two piece construction. A translucent nylon-molded insulation is adhered to the metal connector insert. The connector's insert is annealed, Tin-plated, seamless, pure electrolytic, tough pitch copper. Individual design and performance requirements dictate the use of copper inserts. These connectors are all rated for a maximum of 600V.

For quantities of 10,000 and up, call for quote.

538-19160-0012	19160-0012	H	14-22	- - -	.11	.08	.07	.06	.05
538-19160-0009	19160-0009	H	12-22	- - -	.11	.08	.07	.06	.05
538-19160-0002	19160-0002	H	10-16	- - -	.15	.12	.10	.08	.06

PERMA-SEAL TERMINALS

Perma-Seal terminals and splices provide a rugged, environmentally sealed connection for wire sizes 8 to 22 AWG that will insulate, seal and protect joints from physical abuse and abrasion, water, salt and other corrosive compounds. The inner wall of the heat-shrinkable Perma-Seal sleeve is lined with a special hot-melt adhesive that is inert at room temperature permitting wires to be inserted easily into the splices and terminals.

- All-weather, heat-sealable terminals and splices

For quantities of 10,000 and up, call for quote.

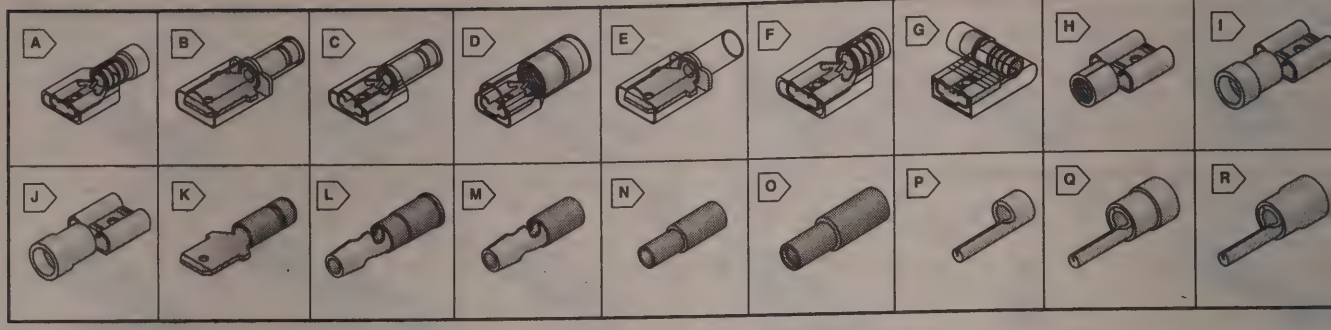
MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each 1	100	500	1000	5000
Ring Tongue Terminals									
538-19164-0085	19164-0085	I	18-22	6	.52	.42	.38	.36	.32
538-19164-0086	19164-0086	I	18-22	8	.52	.42	.38	.36	.32
538-19164-0003	19164-0003	I	18-22	10	.52	.42	.38	.36	.32
538-19164-0032	19164-0032	I	14-16	6	.55	.44	.42	.40	.33
538-19164-0033	19164-0033	I	14-16	8	.55	.44	.42	.40	.33
538-19164-0034	19164-0034	I	14-16	10	.55	.44	.42	.40	.33
538-19164-0026	19164-0026	I	14-16	1/4	.55	.44	.42	.40	.33
538-19164-0061	19164-0061	I	10-12	6	.59	.47	.43	.40	.38
538-19164-0062	19164-0062	I	10-12	8	.59	.47	.43	.40	.38
538-19164-0065	19164-0065	I	10-12	10	.59	.47	.43	.40	.38
538-19164-0066	19164-0066	I	10-12	1/4	.59	.47	.43	.40	.38
Spade Tongue Terminals									
538-19164-0006	19164-0006	J	18-22	6	.48	.38	.34	.32	.30
538-19164-0007	19164-0007	J	18-22	8	.52	.42	.38	.36	.34
538-19164-0008	19164-0008	J	18-22	10	.52	.42	.38	.36	.34
Butt Splices									
538-19164-0013	19164-0013	G	18-22	- - -	.50	.40	.36	.34	.32
538-19164-0044	19164-0044	G	14-16	- - -	.52	.42	.38	.36	.34
538-19164-0056	19164-0056	G	10-12	- - -	.56	.45	.41	.38	.36

Quick Disconnect Couplers

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Accepts Tab Size (In.)	Price Each 1	100	500	1000	5000
*538-19164-0015	19164-0015	K	18-22	.250 by .032	.52	.42	.38	.36	.34
**538-19164-0050	19164-0050	L	14-16	.250 by .032	.52	.42	.38	.36	.34
**538-19164-0076	19164-0076	L	10-12	.250 by .032	.56	.45	.41	.38	.36

*Male **Female



FULLY INSULATED QUICK DISCONNECTS

Fully Insulated Insulkrimp Female Quick Disconnects (Standard Flare)

Features:
- Designed for dense packaging requirements.
- Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp.
- A wire stop stamped into the crimp barrel prevents insertion of over-stripped wires.
- Color coded translucent insulator allows easy identification of terminal size and wire gauge.

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Accepts Tab Size (IN.)	Color	Price Each				
						1	100	500	1000	5000
538-19003-0071	19003-0071	A	24-26	.250 x .032	Yellow	.20	.16	.13	.10	.08
538-19003-0064	19003-0064	A	24-26	.187 x .020	Yellow	.20	.16	.13	.10	.08
538-19003-0001	19003-0001	A	18-22	.250 x .032	Red	.21	.16	.14	.11	.09
538-19003-0011	19003-0011	A	18-22	.187 x .020	Red	.21	.16	.14	.11	.09
538-19003-0040	19003-0040	A	14-16	.250 x .032	Blue	.21	.16	.14	.11	.09
538-19003-0050	19003-0050	A	14-16	.187 x .020	Blue	.16	.12	.10	.08	.07

Fully Insulated Avikrimp Quick Disconnects (Standard Flare)

Avikrimp version gives you the extra advantage of the secure metal support sleeve. These parts fulfill the double crimp (support) requirements of VDE and other DIN specifications. They are the premier line when full insulation and strain relief are required.

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Accepts Tab Size (IN.)	Color	Price Each				
						1	100	500	1000	5000
Male										
538-19001-0001	19001-0001	B	18-22	.250 x .032	Red	.43	.34	.28	.23	.19
538-19001-0003	19001-0003	B	18-22	.187 x .020	Red	.43	.34	.28	.23	.19
538-19001-0006	19001-0006	B	14-16	.250 x .032	Blue	.43	.34	.28	.23	.19
538-19001-0008	19001-0008	B	14-16	.187 x .020	Blue	.49	.39	.32	.26	.21
538-19001-0010	19001-0010	B	10-12	.250 x .032	Yellow	.51	.40	.34	.27	.22
Female										
538-19002-0001	19002-0001	C	18-22	.250 x .032	Red	.39	.31	.26	.21	.17
538-19002-0005	19002-0005	C	18-22	.187 x .020	Red	.39	.31	.26	.21	.17
538-19002-0009	19002-0009	C	18-22	.187 x .032	Red	.39	.31	.26	.21	.17
538-19002-0013	19002-0013	C	18-22	.110 x .020	Red	.39	.31	.26	.21	.17
538-19002-0024	19002-0024	C	14-16	.250 x .032	Blue	.39	.31	.26	.21	.17
538-19002-0028	19002-0028	C	14-16	.187 x .020	Blue	.39	.31	.26	.21	.17
538-19002-0031	19002-0031	C	14-16	.187 x .032	Blue	.39	.31	.26	.21	.17
538-19002-0037	19002-0037	C	14-16	.110 x .032	Blue	.39	.31	.26	.21	.17
*538-19002-0044	19002-0044	D	10-12	.250 x .032	Yellow	.46	.37	.31	.24	.20

*Expanded Flare/Oval Barrel

FULLY INSULATED COUPLERS

These fully insulated couplers are precision engineered, allowing the female terminal to fit precisely into the corresponding male housing, allowing a fully insulated in-line splice. This splice may be connected and disconnected without damage to the nylon insulation.

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Accepts Tab Size (IN.)	Color	Price Each				
						1	100	500	1000	5000
*538-19004-0001	19004-0001	E	18-22	.250 x .032	Red	.20	.16	.14	.12	.10
**538-19005-0010	19005-0010	F	10-12	.250 x .032	Yellow	.29	.23	.19	.15	.13

*Male **Female

FULLY INSULATED FLAGS

- Space saving design

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Accepts Tab Size (IN.)	Color	Price Each				
						1	100	500	1000	5000
Avikrimp Fully Pre-Insulated Quick Disconnect Flags										
538-19006-0001	19006-0001	G	18-22	.250 x .032	Red	.40	.32	.26	.21	.17
538-19006-0011	19006-0011	G	14-16	.250 x .032	Blue	.40	.32	.26	.21	.17
538-19006-0019	19006-0019	G	10-12	.250 x .032	Yellow	.34	.32	.30	.28	.26
538-19006-0005	19006-0005	G	18-22	.187 x .020	Red	.40	.32	.26	.21	.17
Fully Insulated Flag Quick Disconnects (Standard Flare)										
538-19007-0001	19007-0001	G	18-22	.250 x .032	Red	.30	.24	.20	.16	.13
538-19007-0009	19007-0009	G	18-22	.187 x .020	Red	.30	.24	.20	.16	.13
538-19007-0021	19007-0021	G	14-16	.250 x .032	Blue	.30	.24	.20	.16	.13
538-19007-0040	19007-0040	G	10-12	.250 x .032	Yellow	.30	.28	.26	.24	.22
538-19007-0029	19007-0029	G	14-16	.187 x .020	Blue	.30	.24	.20	.16	.13

QUICK DISCONNECTS

Features:
- Full tin-plated brass construction with closed electrical barrels.

For quantities of 10,000 and up, call for qu

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Accepts tab Size (IN.)	Price Each				
					1	100	500	1000	50
Krimptite Butted Seam Non-Insulated - Female									
538-19016-0009	19016-0009	H	18-22	.250 x .032	.08	.07	.06	.05	.
538-19016-0006	19016-0006	H	18-22	.187 x .032	.08	.07	.06	.05	.
Insulkrimp, PVC Insulated - Female									
538-19017-0037	19017-0037	I	14-16	.250 x .032	.14	.11	.09	.07	.
Avikrimp, Nylon Insulated with Vibration Support - Female									
538-19019-0012	19019-0012	J	18-22	.250 x .032	.23	.18	.15	.12	.
538-19019-0031	19019-0031	J	14-16	.250 x .032	.18	.15	.12	.10	.
538-19019-0037	19019-0037	J	10-12	.250 x .032	.37	.30	.25	.20	.
538-19019-0006	19019-0006	J	18-22	.187 x .020	.18	.15	.12	.10	.
538-19019-0027	19019-0027	J	14-16	.187 x .020	.18	.15	.12	.10	.
538-19019-0004	19019-0004	J	18-22	.110 x .032	.18	.15	.12	.10	.
538-19019-0001	19019-0001	J	18-22	.110 x .020	.25	.20	.16	.13	.
Krimptite Economical Non-Insulated, no Vibration Support - Male									
538-19022-0004	19022-0004	K	18-22	.250 x .032	.11	.08	.07	.06	.
538-19022-0006	19022-0006	K	18-22	.187 x .020	.11	.08	.07	.06	.

SNAP PLUGS AND RECEPTACLES

Features:
- Designed to SAE specifications
- Can be connected and disconnected repeatedly

Snap Plugs

- Material: Copper

For quantities of 10,000 and up, call for qu

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Max. Wire Insul. Dia	Price Each				
					1	100	500	1000	50
Insulkrimp, PVC Insulation - Male									
538-19034-0005	19034-0005	L	18-22	3.60 (.140)	.11	.10	.09	.08	.
538-19034-0009	19034-0009	L	14-16	4.40 (.175)	.12	.11	.10	.09	.
Avikrimp, Extruded Nylon Insulation - Male									
538-19036-0003	19036-0003	M	18-22	3.60 (.140)	.15	.14	.13	.12	.
538-19036-0008	19036-0008	M	14-16	4.40 (.175)	.16	.15	.14	.13	.

Snap Receptacles

- Material: Brass

For quantities of 10,000 and up, call for qu

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Max. Wire Insul. Dia	Price Each				
					1	100	500	1000	50
Insulkrimp, PVC Insulation - Female									
538-19038-0001	19038-0001	N	18-22	3.50 (.140)	.18	.15	.12	.10	.
538-19038-0007	19038-0007	N	14-16	4.30 (.170)	.18	.15	.12	.10	.
Avikrimp, Nylon Insulation - Female									
538-19039-0001	19039-0001	O	18-22	3.20 (.125)	.15	.14	.13	.12	.
538-19039-0006	19039-0006	O	14-16	3.80 (.150)	.15	.14	.13	.12	.

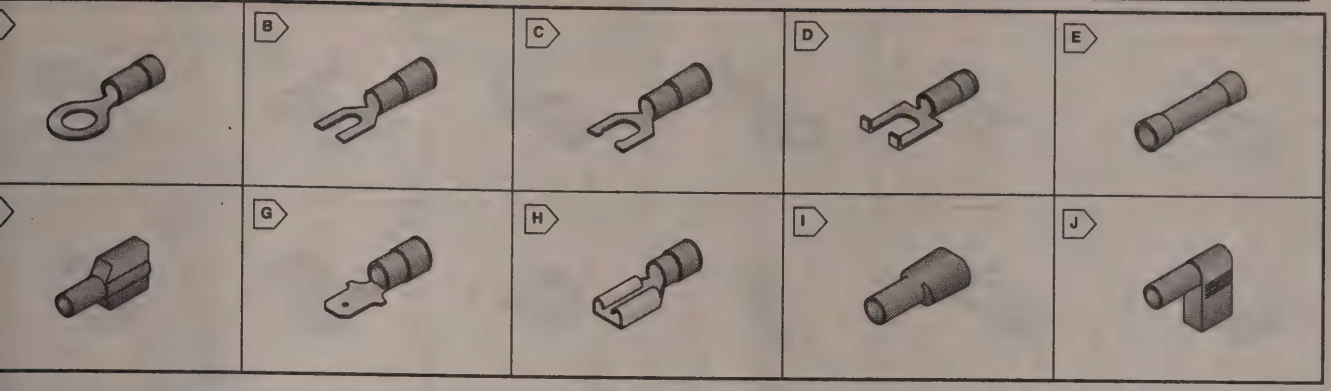
WIRE PIN TERMINALS

Wire Pin Terminals offer quick and easy connections in applications where set screws or clamps are used to make electrical contact with the wire. Wire pins simplify the insertion of stranded wire into European style terminal blocks and other components, by preventing wire strand foldback, assuring a proper electrical contact and a stronger connection than just wire alone.

- Material: Pure Electrolytic Copper

For quantities of 10,000 and up, call for qu

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Color	Price Each				
					1	100	500	1000	50
Krimptite, Non-Insulated									
538-19211-0001	19211-0001	P	10-12	-------	.18	.15	.12	.10	.
Insulkrimp, PVC Insulation									
538-19212-0003	19212-0003	Q	18-22	Red	.23	.18	.15	.12	.
538-19212-0005	19212-0005	Q	14-16	Blue	.15	.12	.10	.09	.
538-19212-0001	19212-0001	Q	10-12	Yellow	.21	.16	.14	.11	.
Avikrimp, Nylon Insulation									
538-19213-0009	19213-0009	R	18-22	Red	.29	.23	.19	.15	.
538-19213-0011	19213-0011	R	14-16	Blue	.29	.23	.19	.15	.
538-19213-0007	19213-0007	R	10-12	Yellow	.22	.20	.18	.16	.



OLDERLESS TERMINALS

ce each is per terminal
terminals feature brazed seam construction

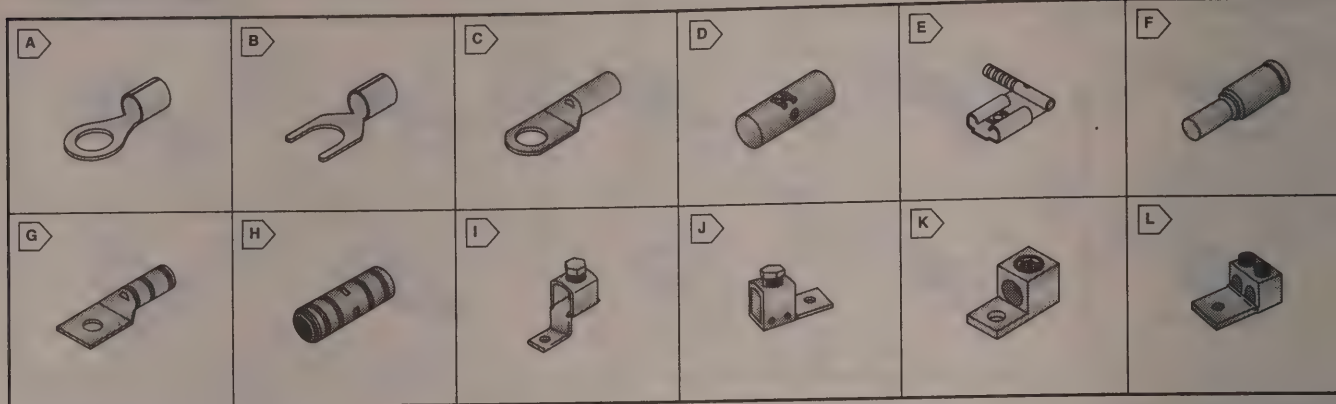
For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Stud Size	Color	Price Each 1	100	500	1000
l Ring								
PV18-6R-M	A	22-18	6	Red	.45	.37	.28	.12
PV18-8R-M	A	22-18	8	Red	.45	.37	.28	.12
PV18-4RX-M	A	22-18	4	Red	.14	.13	.12	.11
PV18-6RX-M	A	22-18	6	Red	.14	.13	.12	.11
PV18-8RX-M	A	22-18	8	Red	.14	.13	.12	.11
PV18-10RX-M	A	22-18	10	Red	.14	.12	.12	.11
PV14-6R-M	A	16-14	6	Blue	.45	.37	.28	.12
PV14-8R-M	A	16-14	8	Blue	.45	.12	.11	.10
PV14-10R-M	A	16-14	10	Blue	.45	.37	.28	.12
PV14-14R-M	A	16-14	1/4	Blue	.58	.36	.15	.13
PV14-4RX-C	A	16-14	4	Blue	.06	.05	.04	.04
PV14-6RX-M	A	16-14	6	Blue	.14	.12	.12	.11
PV14-8RX-M	A	16-14	8	Blue	.14	.12	.12	.11
PV14-10RX-M	A	16-14	10	Blue	.14	.12	.12	.11
PV14-14RX-M	A	16-14	1/4	Blue	.19	.17	.16	.14
PV10-8R-D	A	12-10	8	Yellow	.54	.34	.14	.12
PV10-10R-D	A	12-10	10	Yellow	.54	.34	.14	.12
PV10-14R-D	A	12-10	1/4	Yellow	.67	.42	.17	.15
PV10-6RX-L	A	12-10	6	Yellow	.71	.55	.44	.40
PV10-8RX-L	A	12-10	8	Yellow	.71	.55	.44	.40
PV10-10RX-L	A	12-10	10	Yellow	.69	.54	.43	.39
PV10-14RX-L	A	12-10	1/4	Yellow	.87	.68	.54	.49
n Ring								
PN18-14R-M	A	22-18	1/4	Red	.71	.41	.29	.22
PN18-56R-M	A	22-18	5/16	Red	.75	.44	.31	.24
PN18-4R-M	A	22-18	4	Red	.67	.37	.26	.20
PN18-10R-M	A	22-18	10	Red	.67	.37	.26	.20
PN18-4RN-M	A	22-18	4	Red	.19	.16	.15	.14
PN18-6RN-M	A	22-18	6	Red	.19	.16	.15	.14
PN18-8R-M	A	22-18	8	Red	.19	.16	.15	.14
PN14-4R-M	A	16-14	4	Blue	.68	.37	.27	.20
PN14-56R-M	A	16-14	5/16	Blue	.72	.44	.31	.24
PN14-6R-M	A	16-14	6	Blue	.19	.16	.15	.14
PN14-8R-M	A	16-14	8	Blue	.19	.16	.15	.14
PN14-6RX-C	A	16-14	6	Blue	.99	.76	.62	.56
PN14-8RX-C	A	16-14	8	Blue	.90	.70	.56	.50
PN14-10RX-C	A	16-14	10	Blue	.96	.75	.60	.54
PN10-6R-D	A	12-10	6	Yellow	.74	.57	.44	.24
PN10-8R-L	A	12-10	8	Yellow	.84	.65	.52	.47
PN10-14R-L	A	12-10	1/4	Yellow	.88	.69	.55	.50
PN10-6RX-L	A	12-10	6	Yellow	1.29	1.00	.80	.72
PN10-8RX-L	A	12-10	8	Yellow	1.23	.97	.77	.69
PN10-10RX-L	A	12-10	10	Yellow	1.23	.97	.77	.69
PN10-14RX-L	A	12-10	1/4	Yellow	1.27	.99	.79	.71
PN10-56R-D	A	12-10	5/16	Yellow	.82	.63	.48	.25
PN10-38R-D	A	12-10	3/8	Yellow	.73	.56	.43	.39
l Fork								
PV18-6F-M	B	22-18	6	Red	.45	.37	.28	.12
PV18-8F-M	B	22-18	8	Red	.45	.37	.28	.12
PV18-6FX-M	B	22-18	6	Red	.14	.12	.11	.10
PV18-6FN-M	B	22-18	6	Red	.12	.11	.10	.09
PV18-8FX-M	B	22-18	8	Red	.14	.12	.11	.10
PV18-10F-M	B	22-18	10	Red	.12	.11	.10	.09
PV14-6F-M	B	16-14	6	Blue	.45	.37	.28	.12
PV14-8F-M	B	16-14	8	Blue	.41	.33	.26	.11
PV14-10F-M	B	16-14	10	Blue	.45	.37	.29	.12
PV14-6FX-M	B	16-14	6	Blue	.14	.12	.12	.11
PV14-6FN-M	B	16-14	6	Blue	.12	.11	.10	.09
PV14-8FX-M	B	16-14	8	Blue	.14	.12	.12	.11
PV14-10FX-M	B	16-14	10	Blue	.14	.12	.12	.11
PV14-10FN-M	B	16-14	10	Blue	.12	.11	.10	.09
PV14-14F-M	B	16-14	1/4	Blue	.16	.14	.13	.12

: No. Suffix Denotes Standard Package Quantity: L = 50, C = 100, D = 500, M = 1000

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Stud Size	Color	Price Each 1	100	500	1000
Vinyl Fork (cont.)								
644-PV10-6F-D	B	12-10	6	Yellow	.55	.39	.16	.14
644-PV10-8F-D	B	12-10	8	Yellow	.54	.34	.14	.12
644-PV10-10F-D	B	12-10	10	Yellow	.55	.34	.14	.12
644-PV10-14F-D	B	12-10	1/4	Yellow	.71	.45	.18	.16
644-PV10-8FX-L	B	12-10	8	Yellow	.75	.59	.47	.42
644-PV10-10FX-L	B	12-10	10	Yellow	.75	.59	.47	.42
644-PV10-14FX-L	B	12-10	1/4	Yellow	.87	.68	.55	.50
Nylon Fork Insulated								
644-PNF18-6F-M	B	22-18	6	Red	.24	.21	.20	.18
644-PNF18-8F-M	B	22-18	8	Red	.24	.21	.20	.18
644-PNF18-10F-M	B	22-18	10	Red	.24	.21	.20	.18
644-PNF18-14F-C	B	22-18	1/4	Red	.93	.73	.58	.52
644-PNF14-6F-M	B	16-14	6	Blue	.24	.21	.20	.18
644-PNF14-8F-M	B	16-14	8	Blue	.24	.21	.20	.18
644-PNF14-10F-M	B	16-14	10	Blue	.24	.21	.20	.18
644-PNF10-6F-L	B	12-10	6	Yellow	1.08	.84	.67	.60
644-PNF10-8F-L	B	12-10	8	Yellow	1.08	.84	.67	.60
644-PNF10-10F-L	B	12-10	10	Yellow	1.08	.84	.67	.60
644-PNF10-14F-L	B	12-10	1/4	Yellow	1.08	.84	.67	.60
Vinyl Locking Fork								
644-PV18-6LF-M	C	22-18	6	Red	.44	.37	.29	.12
Nylon Locking Fork								
644-PN18-8LF-M	C	22-18	8	Red	.70	.56	.45	.20
644-PN18-10LF-M	C	22-18	1	Red	.65	.52	.42	.19
644-PN14-6LF-M	C	16-14	6	Blue	.70	.56	.45	.20
644-PN14-8LF-M	C	16-14	8	Blue	.70	.56	.45	.20
644-PN14-10LF-M	C	16-14	10	Blue	.70	.56	.45	.20
Vinyl Flanged Fork								
644-PN18-6LF-M	D	22-18	6	Red	.83	.65	.52	.24
644-PN18-8FF-M	D	22-18	8	Red	.83	.65	.52	.24
644-PN18-10FF-M	D	22-18	10	Red	.83	.65	.52	.24
644-PN14-6FF-M	D	16-14	6	Blue	.78	.61	.49	.22
Vinyl Flanged Fork								
644-PN14-8FF-M	D	16-14	8	Blue	.82	.64	.52	.23
Vinyl Butt Splice								
644-BSV18X-M	E	22-18	---	Red	.45	.35	.29	.17
644-BSV14X-M	E	16-14	---	Blue	.45	.35	.29	.17
644-BSV10X-M	E	12-10	---	Yellow	.68	.51	.27	.23
Nylon Butt Splice								
644-BSN14-M	E	16-14	---	Blue	.65	.55	.44	.19
Disconnect (male)								
644-DNF18-250FIM-M	F	22-18	.250x.032	Red	.65	.53	.40	.27
644-DNF14-250FIM-M	F	16-14	.250x.032	Blue	.62	.50	.39	.26
644-DNF18-250FIMB-L	F	22-18	.250x.032	Red	.73	.57	.45	.41
644-DNF14-250FIMB-L	F	16-14	.250x.032	Blue	.73	.57	.45	.41
644-DNF10-250FIMB-L	F	12-10	.250x.032	Yellow	.72	.56	.45	.41
644-DNF14-250M-M	G	16-14	.250x.032	Blue	.73	.63	.48	.17
644-DV18-250MB-M	G	22-18	.250x.032	Red	.63	.55	.41	.15
644-DV14-250MB-M	G	16-14	.250x.032	Blue	.63	.52	.45	.15
644-DNF10-250M-D	G	12-10	.250x.032	Yellow	.65	.58	.51	.48
Disconnect (female)								
644-DNF18-110-M	H	22-18	.110x.032	Red	.72	.59	.45	.26
644-DNF18-187-M	H	22-18	.187x.032	Red	.67	.50	.34	.19
644-DNF18-250-M	H	22-18	.250x.032	Red	.68	.51	.34	.19
644-DNF18-250FIB-M	I	22-18	.250x.032	Red	.72	.57	.49	.21
644-DNF14-110-M	H	16-14	.110x.032	Blue	.83	.68	.55	.24
644-DNF14-187-M	H	16-14	.187x.032	Blue	.65	.55	.44	.19
644-DNF14-250-M	H	16-14	.250x.032	Blue	.37	.52	.41	.19
644-DV14-250B-M	H	16-14	.250x.032	Blue	.45	.37	.28	.12
644-DNF14-250FIB-M	I	16-14	.250x.032	Blue	.60	.50	.43	.20
644-DNF10-250FI-D	I	12-10	.250x.032	Yellow	.77	.50	.28	.26
Right Angle Disconnect (female) Tab Width								
644-DNFR14-250B-M	J	16-14	.250x.032	Blue	.80	.64	.56	.22



NON-INSULATED TERMINALS

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Stud Size	Price Each 1	100	500	1000
Ring							
644-P18-4R-M	A	22-18	4	.19	.09	.08	.07
644-P18-8R-M	A	22-18	8	.19	.09	.08	.07
644-P18-10R-M	A	22-18	10	.19	.09	.08	.07
644-P14-4R-M	A	16-14	4	.19	.09	.08	.07
644-P14-6R-M	A	16-14	6	.19	.09	.08	.07
644-P14-8R-M	A	16-14	8	.19	.09	.08	.07
644-P10-6R-L	A	12-10	6	.39	.31	.25	.23
644-P10-8R-L	A	12-10	8	.38	.30	.24	.22
644-P10-14R-L	A	12-10	1/4	.48	.37	.30	.27
644-P10-56R-L	A	12-10	5/16	.47	.37	.30	.27
Fork							
644-P18-6F-M	B	22-18	6	.19	.09	.08	.07
644-P18-6FN-M	B	22-18	6	.19	.09	.08	.07
644-P18-8F-M	B	22-18	8	.19	.09	.08	.07
644-P18-10F-M	B	22-18	10	.19	.09	.08	.07
644-P18-10FN-C	B	22-18	10	.28	.22	.02	.02
644-P18-14F-M	B	22-18	14	.11	.10	.09	.08
644-P14-6F-M	B	16-14	6	.19	.09	.08	.07
644-P14-6FN-M	B	16-14	6	.19	.09	.08	.07
644-P14-8F-M	B	16-14	8	.19	.09	.08	.07
644-P14-10F-M	B	16-14	10	.19	.09	.08	.07
644-P14-10FN-M	B	16-14	10	.19	.09	.08	.07
644-P14-14F-M	B	16-14	1/4	.11	.10	.09	.08
644-P10-6F-L	B	12-10	6	.37	.29	.23	.21
644-P10-8F-L	B	12-10	8	.38	.30	.24	.22
644-P10-10F-L	B	12-10	10	.40	.31	.25	.23
644-P10-14F-L	B	12-10	1/4	.46	.36	.29	.26
Tubular Ring							
644-S6-10R-E	C	6	10	1.33	1.04	.83	.75
644-S6-14R-E	C	6	1/4	1.38	1.08	.86	.77
644-S6-56R-E	C	6	5/16	1.32	1.03	.83	.75
644-S6-38R-E	C	6	3/8	1.32	1.03	.83	.75
644-S2-10R-X	C	2 & 1	10	3.52	2.75	2.20	1.98
644-S2-14R-X	C	2 & 1	1/4	3.33	2.60	2.08	1.87
644-S2-56R-X	C	2 & 1	5/16	3.40	2.65	2.12	1.91
644-S2-38R-X	C	2 & 1	3/8	3.40	2.65	2.12	1.91
Butt Splice							
644-BS18-M	D	16-14	----	.11	.10	.09	.08
644-BS14-M	D	12-10	----	.11	.10	.09	.08
Right Angle Female Disconnects (Sleeved Barrel)							
644-DR18-250-M	E	22-18	.250 x .032	.21	.19	.18	.16
644-DR14-250-M	E	16-14	.250 x .032	.22	.20	.18	.16
Right Angle Female Disconnects (Butted Seam)							
644-DR18-250B-M	E	22-18	.250 x .032	.13	.11	.10	.09
644-DR14-250B-M	E	16-14	.250 x .032	.13	.11	.10	.09

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Stud Size	Color	Price Each 1	100	500	1000
Nylon Wire Joint								
644-JN224-318-M	F	---	---	Clear	.28	.23	.21	.12
644-JN218-216-M	F	---	---	Clear	.28	.23	.21	.12

POWER CONNECTORS

Copper Compression Lugs and Splices

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Copper Conductor Size (AWG)	Locomotive Conductor Size	Die Color and No.	Bolt Hole Size	Price Each 1	10	100	500
644-LCA8-10-L	G	8	37/24	Red 21	#10	1.56	1.46	1.39	1.32
644-LCA8-14-L	G	8	37/24	Red 21	1/4"	1.56	1.46	1.39	1.32
644-LCA6-10-L	G	6	61/24	Blue 24	#10	1.72	1.61	1.54	1.45
644-LCA6-14-L	G	6	61/24	Blue 24	1/4"	1.72	1.61	1.50	1.45
644-LCA6-56-L	G	6	61/24	Blue 24	5/16"	1.72	1.61	1.54	1.45

POWER CONNECTORS

Copper Compression Lugs and Splices (cont.)

For quantities of 10 and up, call for quo

MOUSER STOCK NO.	Fig.	Copper Conductor Size (AWG)	Locomotive Conductor Size	Die Color and No.	Bolt Hole Size	Price Each 1	10	100	50
644-LCA6-38-L	G	6	61/24	Blue 24	3/8"	1.72	1.61	1.54	1.4
644-LCA4-14-L	G	4	105/24	Gray 29	1/4"	2.22	2.08	1.94	1.8
644-LCA2-14-Q	G	2	---	Brown 33	1/4"	4.27	4.01	3.74	3.6
644-LCA1-14-E	G	1	150/24	Green 37	1/4"	3.92	3.67	3.50	3.3
644-LCA1-38-E	G	1	150/24	Green 37	3/8"	4.51	4.23	4.03	3.8
644-LCA1-56-E	G	1	150/24	Green 37	5/16"	4.51	4.23	4.03	3.8
644-LCA1/0-38-X	G	1/0	225/24	Pink 42	3/8"	4.81	4.51	4.21	4.0
644-LCA2/0-38-X	G	2/0	275/24	Black 45	3/8"	5.58	5.23	4.88	4.7
644-SCS8-L	H	8	37/24	Red 21	---	2.07	1.94	1.85	1.7
644-SCS6-L	H	6	61/24	Blue 24	---	3.78	3.54	3.38	3.1
644-SCS2-Q	H	2	---	Brown 33	---	5.45	5.11	4.87	4.6
644-SCS1/0-X	H	1/0	225/24	Pink 42	---	7.05	6.61	6.29	5.9
644-SCS2/0-X	H	2/0	275/24	Black 45	---	7.55	7.08	6.75	6.3
644-SCS3/0-X	H	3/0	325/24	Orange 50	---	8.72	8.17	7.79	7.3

Controlled Cycle Crimping Tool

MOUSER STOCK NO.	Price Each
644-CT-1700	208.48

Hand Operated Plier Type Crimping Tool

MOUSER STOCK NO.	Price Each
644-CT-160	32.00

Mechanical Connectors

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Fig.	Cond. Size Range	Current Rating (Amps)	Bolt Hole Size (In.)	Hex Key Size (In.)	Price Each 1	10	100	50
Copper Lugs									
644-CB175-38-Q	I	4-3/0	175	3/8	5/16	6.21	5.83	5.44	5.2
644-CB35-36-C	I	14-6	50	3/16	---	1.18	1.10	1.03	0.9
644-CBA70-14-C	I	14-4	70	1/4	---	1.51	1.42	1.32	1.2
644-CX35-36-C	J	14-6	50	3/16	---	1.04	0.97	0.93	0.8
644-CX70-14-C	J	14-4	70	1/4	---	1.63	1.53	1.46	1.3
644-CX125-14-Q	J	4-1/0	125	1/4	---	3.20	3.00	2.80	2.7
Aluminum Lugs									
644-LAMA6-14-Q	K	14-6	---	1/4	---	0.93	0.87	0.81	0.7
644-LAMA2-14-Q	K	14-2	---	1/4	---	1.25	1.17	1.09	1.0
644-LAMA1/0-14-Q	K	14-1/0	---	1/4	---	1.77	1.66	1.55	1.4
644-LAMA2/0-14-Q	K	14-2/0	---	1/4	---	1.99	1.86	1.74	1.6
644-LAMA250-56-Q	K	6-250	---	5/16	3/8	4.22	3.96	3.77	3.5
644-LAMA500-38-6	K	4-500	---	3/8	1/2	10.63	9.96	9.49	8.9
644-LAM2A1/0-14-6	L	14-1/0	---	1/4	---	3.49	3.28	3.12	2.9
644-LAM2A2/0-14-6	L	14-2/0	---	1/4	---	3.92	3.68	3.51	3.3
644-LAM2A250-38-6	L	6-250	---	3/8	3/8	10.13	9.49	9.06	8.5
644-LAM2A600-12-6	L	4-600	---	1/2	1/2	21.76	20.40	19.45	18.

Stock No. Suffix Denotes Standard Package Quantity: X = 10, Q = 25, L = 50, C = 100, D = 500, M = 1000

TERMINAL ACCESSORIES

KP-1075 includes the following:
20 each; PV18-8R, PV18-6R, PV14-8R, PV14-810R
10 each; PV10-8R, PV10-810R, DNF14-250, DNF18-250, BSV18X, BSV14X, BSV10X
5 each; JN418-212

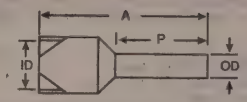
MOUSER STOCK NO.	Description	Price Eac
644-KP-1075	Terminal kit w/out crimping tool	47.90
644-K-1100	Terminal kit box w/CT-100 (terminals not included)	86.35
644-CT-100	All purpose crimper/stripper tool	39.29
644-CT-200	Non-insulated crimper tool	36.49
644-CT-260	Crimp tool, insulated and non-insulated product	42.43

PANDUIT Insulated/Uninsulated Ferrules

SULATED FERRULES, SINGLE WIRE END SLEEVE

se of wire insertion eliminates loose strands of wire
unwanted contacts when installing or removing the wire
capsulated crimp eliminates stray wire breakage
eat for limited space applications

- Wire strands will not fray or spread
- Maximizes a reliable electrical connection



For quantities of 1000 and up, call for quote.

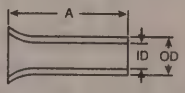
MOUSER STOCK NO.	Panduit Part No.	Wire Size		Color	Dimensions (mm)				Price Each				Tooling
		AWG	mm²		A	P	ID	OD	10	50	100	500	
-FSD75-8-D	FSD75-8-D	22	0.50	WHITE	13.5	8.0	2.5	1.4	.31	.24	.19	.15	
-FSD75-10-D	FSD75-10-D	22	0.50	WHITE	15.5	10.0	2.5	1.4	.31	.24	.19	.15	
-FSD76-8-D	FSD76-8-D	20	0.75	GREY	14.0	8.0	2.8	1.6	.31	.24	.19	.15	
-FSD77-8-D	FSD77-8-D	18	1	RED	14.5	8.0	3.0	1.8	.31	.24	.19	.15	
-FSD77-10-D	FSD77-10-D	18	1	RED	16.5	10.0	3.0	1.8	.31	.24	.19	.15	
-FSD77-12-D	FSD77-12-D	18	1	RED	18.5	12.0	3.0	1.8	.31	.24	.19	.15	
-FSD78-8-D	FSD78-8-D	16	1.5	BLACK	14.5	8.0	3.4	2.1	.43	.32	.26	.20	CT-1002
-FSD78-10-D	FSD78-10-D	16	1.5	BLACK	16.5	10.0	3.4	2.1	.47	.36	.28	.22	CT-1003
-FSD78-12-D	FSD78-12-D	16	1.5	BLACK	18.5	12.0	3.4	2.1	.47	.36	.28	.22	
-FSD78-18-D	FSD78-18-D	16	1.5	BLACK	24.5	18.0	3.4	2.1	.47	.36	.28	.22	
-FSD80-8-D	FSD80-8-D	14	2.50	BLUE	15.0	8.0	4.2	2.6	.44	.34	.26	.21	
-FSD80-18-D	FSD80-18-D	14	2.50	BLUE	25.0	18.0	4.2	2.6	.62	.47	.36	.30	
-FSD81-10-D	FSD81-10-D	12	4	GREY	17.5	10.0	4.8	3.3	.58	.43	.35	.28	
-FSD81-18-C	FSD81-18-C	12	4	GREY	26.0	18.0	4.8	3.3	.93	.53	.42	.30	
-FSD82-12-C	FSD82-12-C	10	6	YELLOW	20.0	12.0	6.2	4.0	.76	.49	.37	.26	

SULATED FERRULES, TWIN WIRE END SLEEVE

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Wire Size		Color	Dimensions (mm)				Price Each				Tooling
		AWG	mm²		A	P	ID	OD	10	50	100	500	
-FTD75-8-D	FTD75-8-D	22	0.50	WHITE	15.0	8 0	1.5	1.8	.49	.38	.29	.24	
-FTD76-8-D	FTD76-8-D	20	0.75	GREY	15.0	8.0	1.8	2.1	.62	.47	.36	.30	
-FTD77-8-D	FTD77-8-D	18	1	RED	15.0	8.0	2.1	2.4	.69	.54	.43	.34	CT-1002
-FTD78-8-D	FTD78-8-D	16	1.5	BLACK	16.0	8.0	2.3	2.6	.76	.58	.46	.36	CT-1003
-FTD80-10-TL	FTD80-10-TL	14	2.5	BLUE	18.5	10.0	2.9	3.3	.83	.63	.50	.41	
-FTD81-12-C	FTD81-12-C	12	4	GREY	23.0	12.0	3.8	4.2	1.28	.63	.51	.43	
-FTD82-14-C	FTD82-14-C	10	6	YELLOW	25.0	14.0	4.6	5.0	1.40	.66	.53	.46	CT-1003 CT-1004

N-INSULATED FERRULES, SINGLE WIRE END SLEEVE



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Wire Size		Color	Dimensions (mm)			Price Each				Tooling
		AWG	mm²		A	ID	OD	100	200	500	1000	
-F73-5-M	F73-5-M	24	0.25	NEUTRAL	5.0	0.8	1.1	.15	.11	.08	.07	CT-1002
-F74-5-M	F74-5-M	24	0.34	NEUTRAL	5.0	0.9	1.2	.15	.11	.08	.07	
-F75-6-M	F75-6-M	22	0.50	NEUTRAL	5.0	1.0	1.3	.17	.12	.10	.09	
-F75-8-M	F75-8-M	22	0.50	NEUTRAL	8.0	1.0	1.3	.17	.12	.10	.09	
-F76-6-M	F76-6-M	20	0.75	NEUTRAL	6.0	1.2	1.5	.17	.12	.10	.09	
-F76-8-M	F76-8-M	20	0.75	NEUTRAL	8.0	1.2	1.5	.17	.12	.10	.09	
-F76-10-M	F76-10-M	20	0.75	NEUTRAL	10.0	1.2	1.5	.17	.12	.10	.09	
-F76-12-M	F76-12-M	20	0.75	NEUTRAL	12.0	1.2	1.5	.17	.12	.10	.09	
-F77-6-M	F77-6-M	18	1	NEUTRAL	6.0	1.4	1.7	.17	.12	.10	.09	
-F77-7-M	F77-7-M	18	1	NEUTRAL	7.0	1.4	1.7	.17	.12	.10	.09	CT-1002
-F77-8-M	F77-8-M	18	1	NEUTRAL	8.0	1.4	1.7	.17	.12	.10	.09	CT1003
-F78-7-M	F78-7-M	16	1.5	NEUTRAL	7.0	1.7	2.0	.18	.13	.11	.09	
-F78-8-M	F78-8-M	16	1.5	NEUTRAL	8.0	1.7	2.0	.18	.13	.11	.09	
-F78-10-M	F78-10-M	16	1.5	NEUTRAL	10.0	1.7	2.0	.18	.13	.11	.09	
-F78-15-M	F78-15-M	16	1.5	NEUTRAL	15.0	1.7	2.0	.18	.13	.11	.09	
-F80-7-M	F80-7-M	14	2.5	NEUTRAL	7.0	2.2	2.5	.19	.15	.12	.10	
-F80-10-M	F80-10-M	14	2.5	NEUTRAL	10.0	2.2	2.5	.19	.15	.12	.10	
-F80-15-M	F80-15-M	14	2.5	NEUTRAL	15.0	2.2	2.5	.31	.23	.19	.15	
-F81-9-M	F81-9-M	12	4	NEUTRAL	9.0	2.8	3.2	.27	.21	.16	.13	
-F81-15-M	F81-15-M	12	4	NEUTRAL	15.0	2.8	3.2	.43	.32	.26	.20	
-F82-10-M	F82-10-M	10	6	NEUTRAL	10.0	3.5	3.9	.27	.21	.16	.14	

RRULE END SLEEVE MPING TOOLS

Handle Effort-Increases productivity
erior Crimp Performance

OUSER CK NO.	Panduit Part No.	Description	Price Each
T-1002	CT-1002	Crimps PANDUIT #26-#10 AWG single wire vinyl insulated ferrules. #22-#12 AWG vinyl insulated dual-wire ferrules, #24-#10 AWG non-insulated ferrules.	222.30
T-1003	CT-1003	Crimps PANDUIT #22-#8 AWG single wire insulated ferrules. #22-#12 AWG vinyl insulated dual-wire ferrules. #22-#10 AWG non-insulated ferrules.	222.30

FERRULE KITS

Plastic case, Assorted Insulated and Non-Insulated Ferrules

MOUSER STOCK NO.	Panduit Part No.	Description	Price Each
644-KP-FSD1	KP-FSD1	#24-#18 AWG insulated. Kit includes: 30 pcs. ea. of FSD73-6, FSD74-6, FSD75-8, FSD76-8 and FSD77-8	59.47
644-KP-FSD2	KP-FSD2	#22-#14 AWG Insulated. Kit includes 100 pcs. ea. of FSD76-8, FSD77-8, FSD78-8 and 50 pcs. ea. of FSD75-8 and FSD80-8.	70.51
644-KP-FSD3	KP-FSD3	#12-#6 AWG Insulated.. Kit includes 50 pcs. of FSD81-10, 20 pcs. Ea. of FSD82-12 and FSD83-12, 10 pcs. of FSD84-12.	59.47
644-KP-F1	KP-F1	#22-#14 AWG Non-Insulated. Kit includes: 500 pcs. of F75-6, 400 pcs. ea. of F76-6 and F77-6, 300 pcs. of F78-7, 200 pcs. of F80-7.	91.08
644-KP-F2	KP-F2	#12-#6 AWG Non-Insulated. Kit Includes: 150 pcs. of F81-9, 100 pcs. of F82-10, 80 pcs. of F83-12 and 40 pcs of F84-12	61.16

NEMA 900 Series Terminal Blocks

NEMA 900 Series is available in .375" centerline, in flat (direct mount) or dovetail (channel mount), tubular clamp, tubular screw, strap screw or quick connect configurations. Corrosion-resistant versions are also available. NEMA 900 Series snap fit with the Medium Duty 500, 600 and 700 Series, as well as with the Heavy Duty, Intermediate Heavy Duty and Fuse and Switch blocks.

Specifications:
- High temperature plastic, UL 94V-0
- .375" Pitch
- Gray markable surface eliminates the need for a painted marking surface
- Housings: Polyester, UL 94V-0 rated, color: gray
- Operating Temperature: 150°C, max.
- Suggested Screw torque: 8, 10 or 12 in-lb
- Snap-Fit sectional design
- Medium Duty

TUBULAR SCREW TERMINAL BLOCKS

Specifications:
- Voltage Rating: 600V
- Current Rating: 50 amp
- Wire Range: 8-22 AWG
- Suggested Screw torque: 8 in-lb

† Corrosion Resistant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Mounting	Price Each			
				1	25	50	100
571-15461471	1546147-1	A	Direct Mount	.92	.83	.78	.74
†571-15461472	1546147-2	A	Direct Mount	2.26	2.04	1.92	1.81
571-1546148-1	1546148-1	A	Channel Mount	1.98	1.78	1.68	1.58
†571-15461482	1546148-2	A	Channel Mount	1.22	1.10	1.04	.98

TUBULAR CLAMP TERMINAL BLOCKS

Specifications:
- Voltage Rating: 600V
- Current Rating: 30 amp
- Wire Range: 10-22 AWG
- Suggested Screw torque: 8 in-lb

† Corrosion Resistant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Mounting	Price Each			
				1	25	50	100
571-15462341	1546234-1	A	Direct Mount	1.04	.94	.89	.84
†571-15462342	1546234-2	A	Direct Mount	1.98	1.80	1.62	1.50
571-15462351	1546235-1	A	Channel Mount	1.30	1.16	1.09	1.03

STRAP SCREW TERMINAL BLOCKS

Specifications:
- Voltage Rating: 600V
- Current Rating: 15 amp; Acceptable for 35 A max.; factory wiring only when used with 10 AWG wire preterminated with suitable ring tongue terminals
- Wire Range: 14-22 AWG
- Suggested Screw torque: 12 in-lb

† Corrosion Resistant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Mounting	Price Each			
				1	25	50	100
571-15461431	1546143-1	B	Direct Mount	3.31	2.98	2.68	2.53
†571-15461432	1546143-2	B	Direct Mount	1.89	1.70	1.53	1.42
571-15461441	1546144-1	B	Channel Mount	3.38	3.04	2.74	2.54
†571-15461442	1546144-2	B	Channel Mount	1.91	1.72	1.55	1.44

QUICK CONNECT TERMINAL BLOCKS

Specifications:
- Voltage Rating: 300V
- Current Rating: 20 amp

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Mounting	Price Each			
				1	25	50	100
571-15461491	1546149-1	C	Direct Mount	1.70	1.52	1.43	1.35
571-15461501	1546150-1	C	Channel Mount	2.84	2.58	2.32	2.06

END SECTIONS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Mounting	Price Each			
				1	25	50	100
571-15461631	1546163-1	D	Direct Mount	.60	.48	.43	.41
571-1546164-1	1546164-1	E	Channel Mount	.52	.47	.45	.42

MOUNTING CHANNELS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	Fig.	Description	Price Each		
					1	25	50
571-14373818	1437381-8	12	F	Miniature, 3 feet	6.04	5.44	5.14
571-914373818	9-1437381-8	63-BU	G	Steel channel, 3 feet	9.70	8.73	8.25
571-14373822	1437382-2	67	H	Pre-punched aluminum, 3 feet	9.70	8.73	8.25

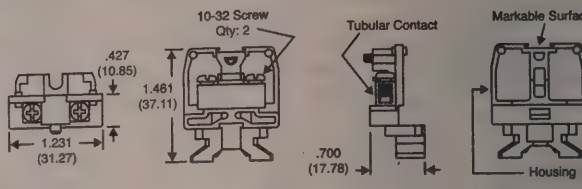
END CHANNEL CLAMPS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	Fig.	Description	Price Each		
					1	25	50
571-914373815	9-1437381-5	61	-	Screw channel clamp	1.75	1.57	1.48
571-14373823	1437382-3	68	-	Universal clamp	1.40	1.25	1.18
571-914373817	9-1437381-7	62	-	Snap-in clamp	.73	.58	.52
571-14373814	1437381-4	11	-	Miniature for #12 channel	.60	.48	.44
571-114373822	1-1437382-2	71	-	Cover, see-thru	.50	.40	.36

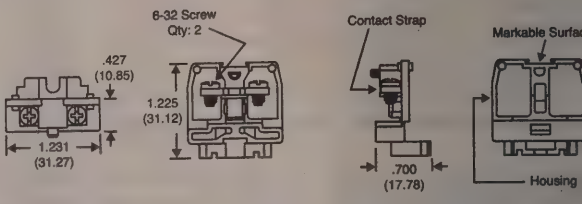
DIMENSIONS IN. (mm)

A



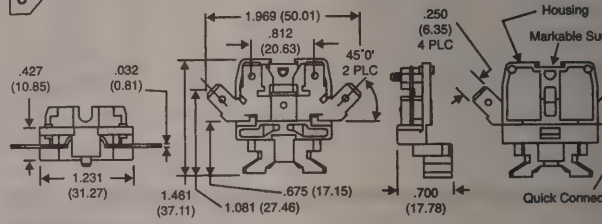
Channel Mount Shown

B



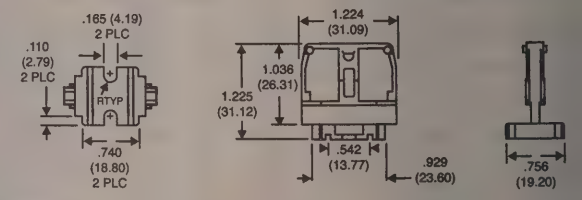
Strap Screw - Direct Mount

C



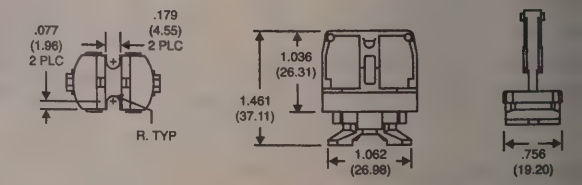
Channel Mount Shown

D



Direct Mount

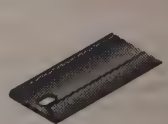
E



Channel Mount

F

G



H

EXIPLUG® HYBRID PLUGGABLE BLOCKS

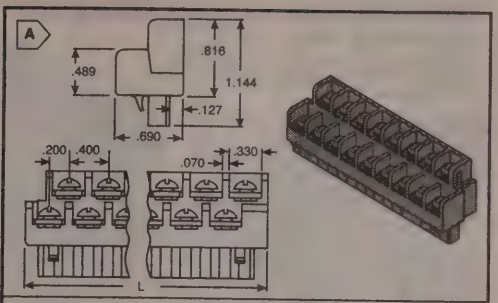
tive FlexiPlug® blocks make your product easy to wire. Immediately plug into existing equipment or use in new designs ter installations.

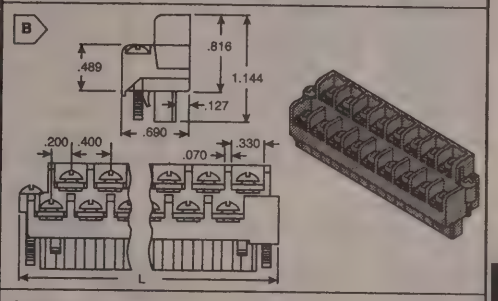
trician-friendly plug goes into existing equipment's european-type header
aller can use common larger 1/4" flat blade or #2 phillips screwdriver
local code practice of ring-lug, spade terminals, stranded or solid wire
"(5.08mm) pitch fits common industry-standard scalloped header on the PC board

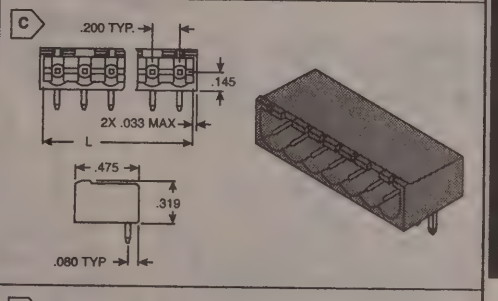
- UL, CSA, and TUV approved for 15A. 300V
- UL-94VO flame-rated
- 12 to 26 AWG
- Color: Black

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Number of Positions	L Dim. (in.)	Price Each 1	25	50	100	200
-FXPT02200	FXPT02200	A	2	.670	1.40	1.26	1.05	.97	.90
-FXPT03200	FXPT03200	A	3	.870	2.00	1.80	1.50	1.38	1.29
-FXPT04200	FXPT04200	A	4	1.070	2.78	2.50	2.08	1.92	1.79
-FXPT05200	FXPT05200	A	5	1.270	3.47	3.12	2.60	2.40	2.23
-FXPT06200	FXPT06200	A	6	1.470	3.78	3.40	2.83	2.62	2.43
-FXPT07200	FXPT07200	A	7	1.670	4.40	3.96	3.30	3.05	2.83
-FXPT08200	FXPT08200	A	8	1.870	5.02	4.52	3.77	3.48	3.23
-FXPT09200	FXPT09200	A	9	2.070	5.67	5.10	4.25	3.92	3.64
-FXPT10200	FXPT10200	A	10	2.270	6.29	5.66	4.72	4.35	4.04
-FXPT11200	FXPT11200	A	11	2.470	6.91	6.22	5.18	4.78	4.44
-FXPT12200	FXPT12200	A	12	2.670	7.49	6.74	5.62	5.18	4.81
IPlug® with Ears									
FXPT03200E	FXPT03200E	B	3	1.040	3.00	2.70	2.25	2.08	1.93
FXPT05200E	FXPT05200E	B	5	1.440	4.47	4.02	3.35	3.09	2.87
FXPT07200E	FXPT07200E	B	7	1.840	5.40	4.86	4.05	3.74	3.47
FXPT09200E	FXPT09200E	B	9	2.240	6.67	6.00	5.00	4.62	4.29
FXPT11200E	FXPT11200E	B	11	2.640	7.91	7.12	5.93	5.48	5.09
FXPT13200E	FXPT13200E	B	13	3.040	9.07	8.16	6.80	6.28	5.83
FXPT21200E	FXPT21200E	B	21	4.640	13.11	11.80	9.83	9.08	8.43







TH HEADERS

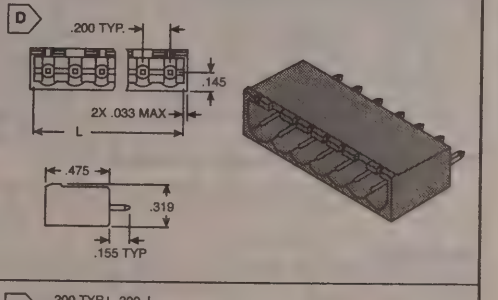
ries within the extensive ELF family from Amphenol PCD. These headers complete your new design with FlexiPlug® pluggables.

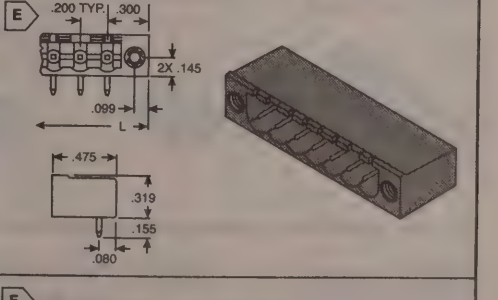
CSA, and TUV approved for 15A, 300V
4VO flame-rated
: .200" (5.08mm)

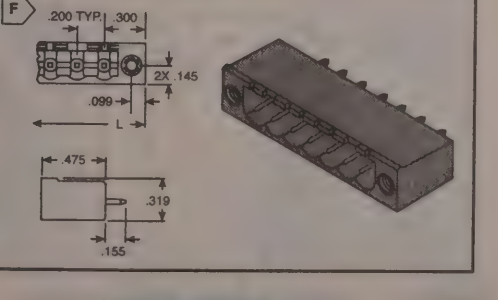
- PC Board hole: .055" minimum
- Color: Black

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Number of Positions	L Dim. (in.)	Price Each 1	25	50	100	200
H Headers, Horizontal, Closed									
ELFH02210	ELFH02210	C	2	0.4	.49	.44	.37	.34	.31
ELFH03210	ELFH03210	C	3	0.6	.73	.66	.55	.51	.47
ELFH04210	ELFH04210	C	4	0.8	1.00	.90	.75	.69	.64
ELFH05210	ELFH05210	C	5	1	1.24	1.12	.93	.86	.80
ELFH06210	ELFH06210	C	6	1.2	1.36	1.22	1.02	.94	.87
ELFH07210	ELFH07210	C	7	1.4	1.58	1.42	1.18	1.09	1.01
ELFH08210	ELFH08210	C	8	1.6	1.80	1.62	1.35	1.25	1.16
ELFH09210	ELFH09210	C	9	1.8	2.02	1.82	1.52	1.40	1.30
ELFH10210	ELFH10210	C	10	2	2.24	2.02	1.68	1.55	1.44
ELFH11210	ELFH11210	C	11	2.2	2.47	2.22	1.85	1.71	1.59
ELFH12210	ELFH12210	C	12	2.4	2.69	2.42	2.02	1.86	1.73
H Headers, Vertical, Closed									
ELFH02250	ELFH02250	D	2	0.4	.49	.44	.37	.34	.31
ELFH03250	ELFH03250	D	3	0.6	.73	.66	.55	.51	.47
ELFH04250	ELFH04250	D	4	0.8	1.00	.90	.75	.69	.64
ELFH05250	ELFH05250	D	5	1	1.24	1.12	.93	.86	.80
ELFH06250	ELFH06250	D	6	1.2	1.36	1.22	1.02	.94	.87
ELFH07250	ELFH07250	D	7	1.4	1.58	1.42	1.18	1.09	1.01
ELFH08250	ELFH08250	D	8	1.6	1.80	1.62	1.35	1.25	1.16
ELFH09250	ELFH09250	D	9	1.8	2.02	1.82	1.52	1.40	1.30
ELFH10250	ELFH10250	D	10	2	2.24	2.02	1.68	1.55	1.44
ELFH11250	ELFH11250	D	11	2.2	2.47	2.22	1.85	1.71	1.59
ELFH12250	ELFH12250	D	12	2.4	2.69	2.42	2.02	1.86	1.73
H Headers, Horizontal, Eared									
ELFH03210E	ELFH03210E	E	3	1	1.73	1.56	1.30	1.20	1.11
ELFH05210E	ELFH05210E	E	5	1.4	2.24	2.02	1.68	1.55	1.44
ELFH07210E	ELFH07210E	E	7	1.8	2.58	2.32	1.93	1.78	1.66
ELFH09210E	ELFH09210E	E	9	2.2	3.02	2.72	2.27	2.09	1.94
ELFH11210E	ELFH11210E	E	11	2.6	3.47	3.12	2.60	2.40	2.23
ELFH13210E	ELFH13210E	E	13	3	3.67	3.3	2.75	2.54	2.36
ELFH21210E	ELFH21210E	E	21	4.6	5.69	5.12	4.26	3.94	3.65
Headers,Vertical, Eared									
ELFH03250E	ELFH03250E	F	3	1	1.73	1.56	1.30	1.20	1.11
ELFH05250E	ELFH05250E	F	5	1.4	2.24	2.02	1.68	1.55	1.44
ELFH07250E	ELFH07250E	F	7	1.8	2.58	2.32	1.93	1.78	1.66
ELFH09250E	ELFH09250E	F	9	2.2	3.02	2.72	2.27	2.09	1.94
ELFH11250E	ELFH11250E	F	11	2.6	3.47	3.12	2.60	2.40	2.23
ELFH13250E	ELFH13250E	F	13	3	3.67	3.30	2.75	2.54	2.36
ELFH21250E	ELFH21250E	F	21	4.6	5.69	5.12	4.26	3.94	3.65







® is a registered trademark of Amphenol Corp.

BUCHANAN Barrier Terminal Blocks

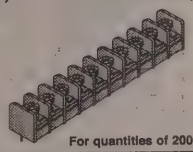
.325" PITCH, DUAL BARRIER, SINGLE ROW

- #6-32 screws on .325" centers
- UL94V-0
- Housing Material: Thermoplastic Polyamide
- Printed Circuit Pin
- 14-22 AWG
- 20A rating
- Color: Black

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	No. of Positions	Length (In.)	Price Each 1	25	50	100
Steel Binding Combo Head Screws								
571-14376676	1437667-6	4DB-P107-02	2	.325	.35	.31	.30	.28
571-114376670	1-1437667-0	4DB-P107-04	4	.975	1.02	.90	.81	.78
571-114376672	1-1437667-2	4DB-P107-06	6	1.625	1.45	1.29	1.16	1.12
571-114376675	1-1437667-5	4DB-P107-08	8	2.275	1.87	1.66	1.50	1.44
571-114376679	1-1437667-9	4DB-P107-12	12	3.575	2.10	1.90	1.79	1.68
Steel Wire Clamp Combo Head Screws								
571-214376674	2-1437667-4	4DB-P108-02	2	0.325	.61	.55	.49	.44
571-214376675	2-1437667-5	4DB-P108-03	3	0.650	.91	.82	.74	.66
571-214376676	2-1437667-6	4DB-P108-04	4	0.975	1.10	.98	.93	.88
571-214376678	2-1437667-8	4DB-P108-05	5	1.300	1.51	1.37	1.23	1.10
571-214376679	2-1437667-9	4DB-P108-06	6	1.625	1.81	1.64	1.47	1.31
571-314376671	3-1437667-1	4DB-P108-08	8	2.275	2.42	2.20	1.98	1.76
571-314376672	3-1437667-2	4DB-P108-09	9	2.600	2.68	2.44	2.20	1.95
571-314376673	3-1437667-3	4DB-P108-10	10	2.925	3.01	2.74	2.47	2.20

.375" PITCH, LOW PROFILE, DUAL BARRIER, SINGLE ROW

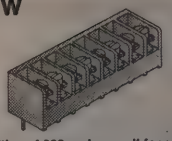


- Flat, all positions filled
- Housing Material: Thermoplastic Polyamide
- #6-32 screws on .375" centers
- UL94V-0
- Printed Circuit Pin
- 12-22 AWG
- 20A rating
- Color: Black

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	No. of Positions	Length. (In.)	Price Each 1	25	50	100
Steel Binding Combo Head Screws								
571-14376644	1437664-4	NC6-P107-02	2	.815	.61	.58	.52	.44
571-14376645	1437664-5	NC6-P107-03	3	1.19	.82	.72	.64	.57
571-14376646	1437664-6	NC6-P107-04	4	1.565	.84	.74	.67	.65
571-14376647	1437664-7	NC6-P107-05	5	1.94	1.04	.94	.88	.83
571-14376649	1437664-9	NC6-P107-06	6	2.315	1.21	1.13	1.07	1.01
571-114376640	1-1437664-0	NC6-P107-07	7	2.69	1.40	1.26	1.19	1.12
571-114376641	1-1437664-1	NC6-P107-08	8	3.065	1.59	1.46	1.38	1.30
571-114376643	1-1437664-3	NC6-P107-09	9	3.44	1.84	1.63	1.47	1.42
571-114376644	1-1437664-4	NC6-P107-10	10	3.82	2.02	1.82	1.72	1.62
571-114376647	1-1437664-7	NC6-P107-12	12	4.57	3.58	3.22	3.04	2.86
Steel Clamp-Plate Combo Head Screws								
571-314376640	3-1437664-0	NC6-P108-02	2	0.815	.77	.70	.63	.56
571-314376641	3-1437664-1	NC6-P108-03	3	1.190	1.17	1.06	.95	.85
571-314376643	3-1437664-3	NC6-P108-04	4	1.565	1.36	1.23	1.16	1.09
571-314376645	3-1437664-5	NC6-P108-05	5	1.940	1.66	1.49	1.41	1.33
571-314376648	3-1437664-8	NC6-P108-06	6	2.315	2.20	2.00	1.80	1.60
571-414376640	4-1437664-0	NC6-P108-07	7	2.690	2.55	2.32	2.09	1.86
571-414376641	4-1437664-1	NC6-P108-08	8	3.065	2.91	2.64	2.38	2.11
571-414376642	4-1437664-2	NC6-P108-09	9	3.440	3.32	3.02	2.72	2.42

.250" PITCH, TRI-BARRIER, SINGLE ROW



- Housing Material: Polypropylene
- 10A rating
- 18-22 AWG wire range
- UL94V-0
- #3-48 screws on .250" centers
- Printed Circuit Pin, Vertical
- Phil-slot Head
- Color: Black

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	No. of Positions	Length (In.)	Price Each 1	25	50	1
571-314376463	3-1437646-3	3PCV-02-006	2	.57	.53	.48	.45	
571-314376469	3-1437646-9	3PCV-03-006	3	.82	1.13	1.02	.96	
571-414376462	4-1437646-2	3PCV-04-006	4	1.07	1.51	1.36	1.28	1.
571-414376465	4-1437646-5	3PCV-05-006	5	1.32	1.34	1.21	1.14	1.
571-514376460	5-1437646-0	3PCV-06-006	6	1.57	1.54	1.39	1.31	1.
571-514376464	5-1437646-4	3PCV-07-006	7	1.82	1.88	1.69	1.60	1.
571-514376467	5-1437646-7	3PCV-08-006	8	2.07	1.76	1.58	1.50	1.
571-514376469	5-1437646-9	3PCV-09-006	9	2.32	3.28	2.95	2.79	2.
571-614376462	6-1437646-2	3PCV-10-006	10	2.57	3.78	3.41	3.22	3.

.325" PITCH, TRI-BARRIER, SINGLE ROW

- 20A rating
- 14-22 AWG
- Housing Material: Polyamide
- Color: Black
- #4-40 screws on .325" centers
- Printed Circuit Pin, Vertical
- UL94V-0
- Phil-Slot Head

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	No. of Positions	Length (In.)	Price Each 1	25	50	1
571-514376487	5-1437648-7	4PCV-02-006	2	.705	.94	.85	.80	
571-614376481	6-1437648-1	4PCV-03-006	3	1.03	1.17	1.04	.94	
571-614376487	6-1437648-7	4PCV-04-006	4	1.35	1.35	1.21	1.14	1
571-714376484	7-1437648-4	4PCV-05-006	5	1.68	1.34	1.21	1.14	1
571-814376480	8-1437648-0	4PCV-06-006	6	2.00	1.96	1.76	1.67	1
571-814376486	8-1437648-6	4PCV-07-006	7	2.33	4.24	3.82	3.60	3
571-914376481	9-1437648-1	4PCV-08-006	8	2.65	2.62	2.36	2.23	2
571-14376491	1437649-1	4PCV-09-006	9	2.98	4.18	3.76	3.55	3
571-14376495	1437649-5	4PCV-10-006	10	3.30	2.94	2.65	2.50	2

.375" PITCH, TRI-BARRIER, SINGLE ROW

- UL94V-0
- 25A rating
- 12-22 AWG
- Housing Material: Polypropylene
- #6-32 screws on .375" centers
- Printed Circuit Pin, Vertical
- Phil-slot head

For quantities of 200 and up, call for q

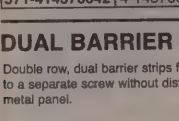
MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	No. of Positions	Length (In.)	Price Each 1	25	50	1
571-314376529	3-1437652-9	6PCV-02-006	2	.815	.74	.65	.59	
571-514376524	5-1437652-4	6PCV-03-006	3	1.19	.86	.77	.73	
571-614376527	6-1437652-7	6PCV-04-006	4	1.56	1.38	1.22	1.11	1
571-814376522	8-1437652-2	6PCV-05-006	5	1.94	1.18	1.06	1.00	
571-914376525	9-1437652-5	6PCV-06-006	6	2.31	1.76	1.58	1.50	1
571-14376533 *	1437653-3	6PCV-07	7	2.69	2.64	2.38	2.25	2
571-114376533	1-1437653-3	6PCV-08-006	8	3.06	1.86	1.67	1.58	1
571-214376535	2-1437653-5	6PCV-09-006	9	3.44	3.70	3.33	3.15	2
571-314376535	3-1437653-5	6PCV-10-006	10	3.81	4.16	3.74	3.54	3
571-514376531	5-1437653-1	6PCV-12-006	12	4.56	4.76	4.28	4.05	3
571-614376538	6-1437653-8	6PCV-14-006	14	5.31	5.56	5.00	4.73	4
571-814376530	8-1437653-0	6PCV-16-006	16	6.06	6.34	5.71	5.39	5

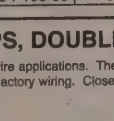
*Slotted

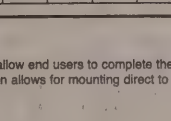
DUAL BARRIER STRIPS, DOUBLE-ROW

Double row, dual barrier strips for wire-to-wire applications. These parts also allow end users to complete the wiring to a separate screw without disturbing the factory wiring. Closed bottom design allows for mounting direct to sheet metal panel.

Specifications:
- Insulator body: UL 94V-0 Thermoplastic, Black
- Terminal: Brass, Tin Plated
- Screw: #6-32 Steel, Nickel Plated
- Molded to Length







.374 Dual Barrier Strips, Double Row with Binding Head Screws

Electrical:
- Current rating: 20A, 300VAC
- Wire range: 12-22 AWG
- Withstanding voltage: 2000 VAC min.
- Temperature: -40°C to +105°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Length (In.)	Price Each 1	25	50	100
571-15463062	1546306-2	A	2	1.42	.46	.41	.39	.37
571-15463063	1546306-3	A	3	1.80	.68	.61	.58	.54
571-15463064	1546306-4	A	4	2.17	.84	.75	.71	.67
571-15463065	1546306-5	A	5	2.55	1.14	1.03	.97	.91
571-15463066	1546306-6	A	6	2.92	1.32	1.19	1.13	1.06
571-15463067	1546306-7	A	7	3.30	1.64	1.48	1.40	1.32
571-15463068	1546306-8	A	8	3.67	1.82	1.64	1.55	1.46
571-115463060	1-1546306-0	A	10	4.41	3.24	2.60	2.45	2.27
571-115463062	1-1546306-2	A	12	5.16	3.88	3.50	3.30	3.10
571-115463064	1-1546306-4	A	14	5.91	4.48	4.04	3.81	3.58
571-115463066	1-1546306-6	A	16	6.65	5.20	4.68	4.42	4.16
571-215463060	2-1546306-0	A	20	8.15	6.48	5.84	5.51	5.20

.437 Dual Barrier Strips, Double Row with Binding Head Screws

Electrical:
- Current rating: 25A, 300VAC
- Wire range: 14-22 AWG
- Withstanding voltage: 2000 VAC min.
- Temperature: -40°C to +105°C

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Length (In.)	Price Each 1	25	50	1
571-15466702	1546670-2	B	2	1.62	.58	.52	.49	
571-15466703	1546670-3	B	3	2.06	.86	.77	.73	
571-15466704	1546670-4	B	4	2.50	1.14	1.03	.97	
571-15466705	1546670-5	B	5	2.93	1.40	1.26	1.19	1
571-15466706	1546670-6	B	6	3.37	1.70	1.53	1.45	1
571-15466707	1546670-7	B	7	3.81	1.98	1.78	1.68	1
571-15466708	1546670-8	B	8	4.24	3.22	2.90	2.74	2
571-115466700	1-1546670-0	B	10	5.12	4.02	3.62	3.42	3
571-115466702	1-1546670-2	B	12	5.99	4.84	4.36	4.12	3
571-115466704	1-1546670-4	B	14	6.87	5.62	5.06	4.78	4
571-115466706	1-1546670-6	B	16	7.74	6.42	5.78	5.46	5
571-215466700	2-1546670-0	B	20	9.49	8.04	7.24	6.84	6

.563 Dual Barrier Strips, Double Row with Binding Head Screws

Electrical:
- Current rating: 30A, 300VAC
- Wire range: 10-22 AWG
- Withstanding voltage: 2000 VAC min.
- Temperature: -40°C to +120°C

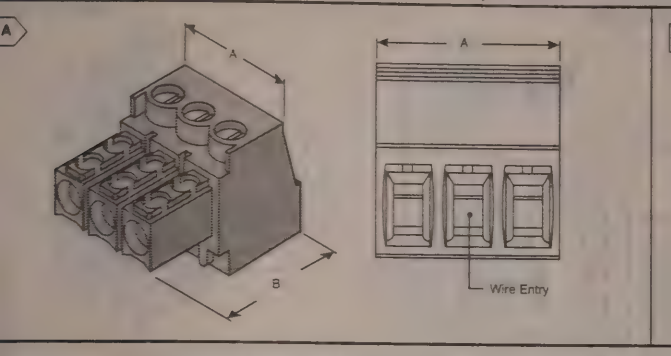
For quantities of 200 and up, call for q

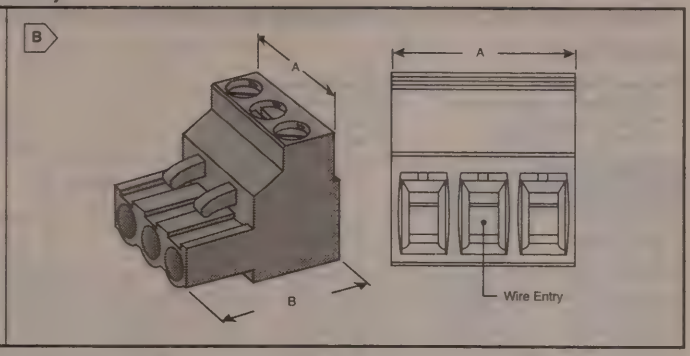
MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Length (In.)	Price Each 1	25	50	
571-15463102	1546310-2	C	2	2.13	1.20	1.08	1.02	
571-15463103	1546310-3	C	3	2.69	2.54	2.29	2.16	
571-15463104	1546310-4	C	4	3.25	1.96	1.76	1.67	
571-15463105	1546310-5	C	5	3.81	3.72	3.35	3.16	
571-15463106	1546310-6	C	6	4.38	4.18	3.76	3.55	
571-15463107	1546310-7	C	7	4.94	4.90	4.41	4.17	
571-15463108	1546310-8	C	8	5.50	5.56	5.00	4.73	
571-115463100	1-1546310-0	C	10	6.63	7.00	6.30	5.95	
571-115463102	1-1546310-2	C	12	7.75	8.34	7.51	7.09	
571-115463104	1-1546310-4	C	14	8.88	6.90	6.21	5.87	
571-115463106	1-1546310-6	C	16	10.02	7.80	7.02	6.63	

BUCHANAN Eurostyle Pluggable Terminal Blocks

(3.5mm - 10.16mm)

tyco Electronics





olor: Green • Flammability Rating: UL94V-0 • Housing Material: Polyamide 6.6 • Contact Material: Phosphor Bronze

5MM PLUGS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.) A	Dimen: (In.) B	Price Each 1	25	50	100
5mm Centerline - UL: 300V @ 11A, 30-14 AWG									
1-2845062	284506-2	A	2	0.276	0.61	.99	.80	.71	.63
1-2845063	284506-3	A	3	0.413	0.61	1.50	1.22	1.09	.96
1-2845064	284506-4	A	4	0.551	0.61	2.02	1.63	1.46	1.29
1-2845065	284506-5	A	5	0.689	0.61	2.51	2.03	1.82	1.61
1-2845066	284506-6	A	6	0.827	0.61	3.03	2.45	2.19	1.94
1-2845067	284506-7	A	7	0.965	0.61	3.00	2.70	2.55	2.40
1-2845068	284506-8	A	8	1.102	0.61	3.44	3.10	2.92	2.75
1-12845060	1-284506-0	A	10	1.378	0.61	5.08	4.10	3.67	3.24
1-12845062	1-284506-2	A	12	1.654	0.61	6.06	4.90	4.39	3.87

3.81MM PLUGS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.) A	Dimen: (In.) B	Price Each 1	25	50	100
3.81mm Centerline - UL: 300V @ 11A, 30-14 AWG									
571-2845072	284507-2	A	2	0.30	0.61	.99	.80	.71	.63
571-284507-3	284507-3	A	3	0.45	0.61	1.92	1.60	1.28	1.15
571-2845074	284507-4	A	4	0.60	0.61	2.02	1.63	1.46	1.29
571-2845075	284507-5	A	5	0.75	0.61	2.51	2.03	1.82	1.61
571-2845076	284507-6	A	6	0.90	0.61	3.03	2.45	2.19	1.94
571-2845077	284507-7	A	7	1.05	0.61	3.53	2.85	2.55	2.25
571-284507-8	284507-8	A	8	1.20	0.61	3.44	3.10	2.92	2.75
571-12845070	1-284507-0	A	10	1.50	0.61	5.08	4.10	3.67	3.24
571-12845072	1-284507-2	A	12	1.80	0.61	4.35	3.52	3.15	2.78

0MM PLUGS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.) A	Dimen: (In.) B	Price Each 1	25	50	100
0mm Centerline - UL: 300V @ 15A, 30-12 AWG									
1-7966402	796640-2	B	2	0.394	0.724	.90	.72	.65	.58
1-7966403	796640-3	B	3	0.591	0.724	1.12	1.01	.95	.90
1-7966404	796640-4	B	4	0.787	0.724	1.80	1.45	1.30	1.16
1-7966405	796640-5	B	5	0.984	0.724	2.02	1.82	1.64	1.46
1-7966406	796640-6	B	6	1.810	0.724	2.40	2.18	1.97	1.75
1-7966407	796640-7	B	7	1.378	0.724	2.82	2.54	2.29	2.03
1-7966408	796640-8	B	8	1.575	0.724	2.90	2.61	2.47	2.32
1-17966400	1-796640-0	B	10	1.968	0.724	4.21	3.40	3.04	2.69
1-17966402	1-796640-2	B	12	2.362	0.724	3.30	2.97	2.81	2.64

5.08MM PLUGS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.) A	Dimen: (In.) B	Price Each 1	25	50	100
5.08mm Centerline - UL: 300V @ 11A, 30-12 AWG									
571-7966342	796634-2	B	2	0.40	0.724	.90	.72	.65	.58
571-7966343	796634-3	B	3	0.60	0.724	1.12	1.01	.95	.90
571-7966344	796634-4	B	4	0.80	0.724	1.30	1.04	.94	.84
571-7966345	796634-5	B	5	1.00	0.724	1.80	1.62	1.53	1.44
571-7966346	796634-6	B	6	1.20	0.724	2.40	2.18	1.97	1.75
571-7966347	796634-7	B	7	1.40	0.724	2.82	2.54	2.29	2.03
571-7966348	796634-8	B	8	1.60	0.724	2.90	2.61	2.47	2.32
571-1-796634-0	1-796634-0	B	10	2.00	0.724	3.80	3.42	3.23	3.04
571-1-796634-2	1-796634-2	B	12	2.40	0.724	3.30	2.97	2.81	2.64

5MM PLUGS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.) A	Dimen: (In.) B	Price Each 1	25	50	100
5mm Centerline - UL: 300V @ 15A, 30-12 AWG									
1-2829592	282959-2	B	2	0.512	0.724	.96	.78	.70	.62
1-2829593	282959-3	B	3	0.807	0.724	1.46	1.18	1.05	.93
1-2829594	282959-4	B	4	1.102	0.724	1.97	1.60	1.43	1.26
1-2829595	282959-5	B	5	1.398	0.724	2.44	1.98	1.77	1.56
1-2829596	282959-6	B	6	1.693	0.724	2.94	2.38	2.13	1.88
1-2829597	282959-7	B	7	1.988	0.724	3.43	2.77	2.48	2.19
1-2829598	282959-8	B	8	2.283	0.724	3.92	3.17	2.84	2.51
1-12829590	1-282959-0	B	10	2.874	0.724	3.50	2.83	2.53	2.24
1-12829592	1-282959-2	B	12	3.465	0.724	5.85	4.73	4.23	3.74

7.62MM PLUGS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.) A	Dimen: (In.) B	Price Each 1	25	50	100
7.62mm Centerline - UL: 300V @ 15A, 30-12 AWG									
571-7969812	796981-2	B	2	0.521	0.724	.96	.78	.70	.62
571-7969813	796981-3	B	3	0.821	0.724	1.86	1.55	1.24	1.12
571-7969814	796981-4	B	4	1.121	0.724	1.97	1.60	1.43	1.26
571-7969815	796981-5	B	5	1.421	0.724	2.08	1.87	1.77	1.66
571-7969816	796981-6	B	6	1.721	0.724	2.94	2.38	2.13	1.88
571-7969817	796981-7	B	7	2.021	0.724	3.43	2.77	2.48	2.19
571-7969818	796981-8	B	8	2.321	0.724	3.92	3.17	2.84	2.51
571-17969810	1-796981-0	B	10	2.921	0.724	4.91	3.97	3.55	3.14
571-17969812	1-796981-2	B	12	3.521	0.724	5.85	4.73	4.23	3.74

0MM PLUGS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.) A	Dimen: (In.) B	Price Each 1	25	50	100
0mm Centerline - UL: 600V @ 15A, 30-12 AWG									
1-2828082	282808-2	B	2	0.591	0.724	1.03	.84	.75	.66
1-2828083	282808-3	B	3	0.984	0.724	1.57	1.27	1.14	1.01
1-2828084	282808-4	B	4	1.378	0.724	2.09	1.69	1.51	1.34
1-2828085	282808-5	B	5	1.772	0.724	2.63	2.13	1.90	1.68
1-2828086	282808-6	B	6	2.165	0.724	3.13	2.53	2.26	2.00
1-2828087	282808-7	B	7	2.559	0.724	3.67	2.96	2.65	2.34
1-2828088	282808-8	B	8	2.953	0.724	4.18	3.38	3.03	2.67
1-12828080	1-282808-0	B	10	3.740	0.724	3.74	3.02	2.70	2.39
1-12828082	1-282808-2	B	12	4.528	0.724	6.25	5.05	4.52	3.99

10.16MM PLUGS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.) A	Dimen: (In.) B	Price Each 1	25	50	100
10.16mm Centerline - UL: 600V @ 15A, 30-12 AWG									
571-2828092	282809-2	B	2	0.60	0.724	1.03	.84	.75	.66
571-2828093	282809-3	B	3	1.00	0.724	1.57	1.27	1.14	1.01
571-2828094	282809-4	B	4	1.40	0.724	2.09	1.69	1.51	1.34
571-2828095	282809-5	B	5	1.80	0.724	2.63	2.13	1.90	1.68
571-2828096	282809-6	B	6	2.20	0.724	3.13	2.53	2.26	2.00
571-2828097	282809-7	B	7	2.60	0.724	3.67	2.96	2.65	2.34
571-2828098	282809-8	B	8	3.00	0.724	4.18	3.38	3.03	2.67
571-12828090	1-282809-0	B	10	3.80	0.724	5.22	4.22	3.77	3.33
571-12828092	1-282809-2	B	12	4.60	0.724	6.25	5.05	4.52	3.99

5.0MM FLUSH MOUNT PLUG-IN CONNECTORS WITH CAGE CLAMP

SERIES B51C4

Physical Properties:
- Housing Material: Polyamide, Type 6/6
- Flammability: UL94V-0
- Color: Black

Electrical Properties
- Maximum Current: 15A
- Operating Voltage: 300V
- Wire Range: 12-30AWG

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	Fig.	No. of Positions	Price Each			
					1	10	25	50
571-14374261	1437426-1	B51C4U02T	A	2	4.74	4.27	4.03	3.80
571-14374263	1437426-3	B51C4U03T	A	3	6.82	6.14	5.80	5.46
571-14374269	1437426-9	B51C4U04T	A	4	3.34	3.01	2.84	2.67
571-114374263	1-1437426-3	B51C4U05T	A	5	3.88	3.49	3.30	3.10
571-114374266	1-1437426-6	B51C4U06T	A	6	10.60	9.54	9.01	8.48
571-214374265	2-1437426-5	B51C4U08T	A	8	7.96	7.16	6.77	6.37
571-314374262	3-1437426-2	B51C4U10T	A	10	13.22	11.90	11.24	10.58
571-314374269	3-1437426-9	B51C4U12T	A	12	12.70	11.43	10.80	10.16

5.08MM FLUSH MOUNT PLUG-IN CONNECTORS WITH CAGE CLAMP

SERIES B51C8

Physical Properties:
- Housing Material: Polyamide, Type 6/6
- Flammability: UL94V-0
- Color: Blue

Electrical Properties
- Maximum Current: 15A
- Operating Voltage: 300V
- Wire Range: 12-30AWG

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	Fig.	No. of Positions	Price Each			
					1	10	25	50
571-714374261	7-1437426-1	B51C8U02T	B	2	3.12	2.81	2.65	2.50
571-714374262	7-1437426-2	B51C8U03T	B	3	4.26	3.83	3.62	3.41
571-714374264	7-1437426-4	B51C8U04T	B	4	3.96	3.56	3.37	3.17
571-714374265	7-1437426-5	B51C8U05T	B	5	4.64	4.18	3.94	3.71
571-714374267	7-1437426-7	B51C8U06T	B	6	4.48	4.03	3.81	3.58
571-814374260	8-1437426-0	B51C8U08T	B	8	6.06	5.45	5.15	4.85
571-814374263	8-1437426-3	B51C8U10T	B	10	7.96	7.16	6.77	6.37
571-814374267	8-1437426-7	B51C8U12T	B	12	9.52	8.57	8.09	7.62

5.0MM AND 5.08MM VERTICAL FLUSH-MOUNT HEADERS

SERIES B71N4 AND B71N8

- Solder Pins: Phosphor Bronze, Tin Plated

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	Fig.	No. of Positions	Price Each			
					1	10	25	50
5.0mm Vertical Headers For B51C4 Connectors - UL: 300V @ 15A - Black Color								
571-17764522	1776452-2	B71N4V02T	C	2	1.42	1.28	1.21	1.14
571-17764523	1776452-3	B71N4V03T	C	3	1.90	1.71	1.62	1.52
571-17764524	1776452-4	B71N4V04T	C	4	2.38	2.14	2.02	1.90
571-17764525	1776452-5	B71N4V05T	C	5	2.90	2.61	2.47	2.32
571-17764526	1776452-6	B71N4V06T	C	6	3.36	3.02	2.86	2.69
571-17764528	1776452-8	B71N4V08T	C	8	4.32	3.89	3.67	3.46
571-117764520	1-1776452-0	B71N4V10T	C	10	5.38	4.84	4.57	4.30
571-117764522	1-1776452-2	B71N4V12T	C	12	6.24	5.62	5.30	4.99
5.08mm Vertical Headers For B51C8 Connectors - UL: 300V @ 15A - Brown Color								
571-17764532	1776453-2	B71N8V02T	D	2	1.42	1.28	1.21	1.14
571-17764533	1776453-3	B71N8V03T	D	3	1.90	1.71	1.62	1.52
571-17764534	1776453-4	B71N8V04T	D	4	2.38	2.14	2.02	1.90
571-17764535	1776453-5	B71N8V05T	D	5	2.90	2.61	2.47	2.32
571-17764536	1776453-6	B71N8V06T	D	6	3.36	3.02	2.86	2.69
571-17764538	1776453-8	B71N8V08T	D	8	4.32	3.89	3.67	3.46
571-117764530	1-1776453-0	B71N8V10T	D	10	5.38	4.84	4.57	4.30
571-117764532	1-1776453-2	B71N8V12T	D	12	6.24	5.62	5.30	4.99

5.0MM AND 5.08MM BOARD MOUNT SCREWLESS, TOP WIRE ENTRY CONNECTORS

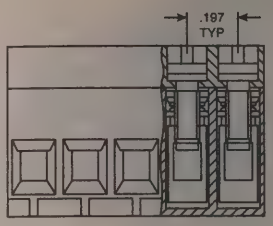
- UL Rating: 300V @ 15A
- 14-22AWG
- Color: Green
- No special tooling required

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Overall Length (In.)	Price Each			
					1	10	25	50
5.0mm								
571-17762592	1776259-2	E	2	0.492	.82	.74	.70	.66
571-17762593	1776259-3	E	3	0.689	1.26	1.13	1.07	1.01
571-17762594	1776259-4	E	4	0.886	1.68	1.51	1.43	1.34
571-17762595	1776259-5	E	5	1.083	2.08	1.87	1.77	1.66
571-17762596	1776259-6	E	6	1.280	2.50	2.25	2.13	2.00
571-17762597	1776259-7	E	7	1.476	2.92	2.63	2.48	2.34
571-17762598	1776259-8	E	8	1.673	3.34	3.01	2.84	2.67
5.08mm								
571-17762602	1776260-2	E	2	0.400	.82	.74	.70	.66
571-17762603	1776260-3	E	3	0.600	1.26	1.13	1.07	1.01
571-17762604	1776260-4	E	4	0.800	1.68	1.51	1.43	1.34
571-17762605	1776260-5	E	5	1.000	2.08	1.87	1.77	1.66
571-17762606	1776260-6	E	6	1.200	2.50	2.25	2.13	2.00
571-17762607	1776260-7	E	7	1.400	2.92	2.63	2.48	2.34
571-17762608	1776260-8	E	8	1.600	3.34	3.01	2.84	2.67

DIMENSIONS (In

A



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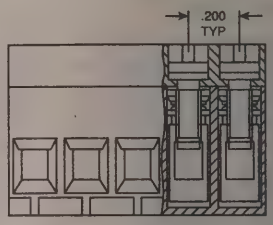

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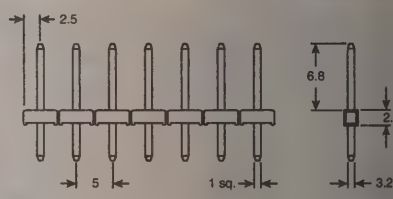

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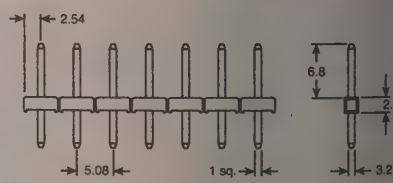

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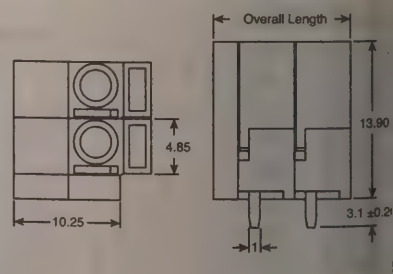
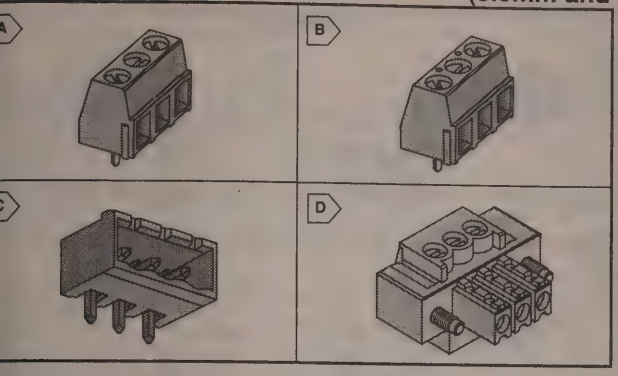


BUCHANAN Terminal Blocks & Modules

(5.0mm and 5.08mm)

tyco Electronics



LUGS, STACKING WITH INTERLOCK - ONE PIECE

Rating: 300V, 13.5 A
ire Size: 16-30 AWG, 10 A for field wiring
oard Mount
de Wire Entry

- Color: Green
- Low profile

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Length (In.)	Price Each 1	25	50	100
mm Stacking Terminal Blocks								
-2828362	282836-2	A	2	0.394	.37	.33	.30	.28
-2828363	282836-3	A	3	0.591	.52	.47	.44	.42
-2828364	282836-4	A	4	0.787	.70	.63	.60	.56
-2828365	282836-5	A	5	0.984	.93	.84	.76	.67
-2828366	282836-6	A	6	1.181	1.04	.94	.88	.83
-2828367	282836-7	A	7	1.378	1.30	1.18	1.06	.95
-2828368	282836-8	A	8	1.575	1.38	1.24	1.17	1.10
8mm Stacking Terminal Blocks								
-2828372	282837-2	B	2	0.400	.29	.26	.23	.22
-2828373	282837-3	B	3	0.600	.52	.47	.44	.42
-2828374	282837-4	B	4	0.800	.53	.48	.43	.38
-2828375	282837-5	B	5	1.000	.86	.77	.73	.69
-2828376	282837-6	B	6	1.200	.81	.74	.67	.59
-2828377	282837-7	B	7	1.400	1.30	1.18	1.06	.95
-2828378	282837-8	B	8	1.600	1.51	1.36	1.23	1.09

EADERS, RIGHT ANGLE W/ CLOSED ENDS - VO PIECE

Rating: 300V, 12 A
lor: Green

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Length (In.)	Price Each 1	25	50	100
mm Headers								
-796644-2	796644-2	C	2	0.394	.30	.24	.22	.21
-796644-3	796644-3	C	3	0.591	.58	.46	.41	.37
-796644-4	796644-4	C	4	0.787	.83	.66	.59	.56
-796644-5	796644-5	C	5	0.984	.89	.80	.72	.64
-796644-6	796644-6	C	6	1.181	1.00	.90	.85	.80
-796644-7	796644-7	C	7	1.378	1.18	1.06	1.00	.94
-796644-8	796644-8	C	8	1.575	1.30	1.17	1.11	1.04
8mm Headers								
-7966382	796638-2	C	2	0.4	.30	.24	.22	.21
-7966383	796638-3	C	3	0.6	.58	.46	.41	.37
-7966384	796638-4	C	4	0.8	.58	.46	.41	.37
-7966385	796638-5	C	5	1.0	.89	.80	.72	.64
-7966386	796638-6	C	6	1.2	1.00	.90	.85	.80
-7966387	796638-7	C	7	1.4	1.18	1.06	1.00	.94
-7966388	796638-8	C	8	1.6	1.30	1.17	1.11	1.04

UGS, RIGHT ANGLE WITH SCREW FLANGE - VO PIECE

Rating: 300V, 12 A
re Size: 12-30 AWG

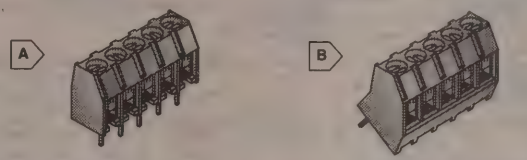
- Color: Green

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Length (In.)	Price Each 1	25	50	100
mm Centerline								
-284510-2	284510-2	D	2	0.138	1.33	1.06	.95	.90
-284510-3	284510-3	D	3	0.276	2.03	1.62	1.46	1.38
-284510-4	284510-4	D	4	0.413	2.65	2.12	1.91	1.80
-284510-5	284510-5	D	5	0.551	3.33	2.66	2.39	2.26
-284510-6	284510-6	D	6	0.689	3.98	3.18	2.86	2.70
-284510-7	284510-7	D	7	0.827	4.68	3.74	3.37	3.18
-284510-8	284510-8	D	8	0.965	5.35	4.28	3.85	3.64
1mm Centerline								
-284511-2	284511-2	D	2	0.15	1.33	1.06	.95	.90
-284511-3	284511-3	D	3	0.30	2.03	1.62	1.46	1.38
-284511-4	284511-4	D	4	0.45	2.65	2.12	1.91	1.80
-284511-5	284511-5	D	5	0.60	3.33	2.66	2.39	2.26
-284511-6	284511-6	D	6	0.75	3.98	3.18	2.86	2.70
-284511-7	284511-7	D	7	0.90	4.68	3.74	3.37	3.18
-284511-8	284511-8	D	8	1.05	5.35	4.28	3.85	3.64

5.08MM CONNECTORS WITH WIRE PROTECTOR

- Housing Material: Thermoplastic Polyester
- UL94V-0
- 20A rating
- 300 V
- 3-48 screws on .2" centers
- 12-22 AWG
- Wire protector: Stainless Steel
- Color: Black



Vertical

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	Fig.	No. of Positions	Overall Length (In.)	Price Each 1	25	50	100
571-7969492	796949-2	2MV-02	A	2	0.400	.63	.56	.50	.49
571-7969493	796949-3	2MV-03	A	3	0.600	.98	.87	.78	.76
571-7969494	796949-4	2MV-04	A	4	0.800	1.31	1.16	1.05	1.01
571-7969495	796949-5	2MV-05	A	5	1.000	1.63	1.44	1.30	1.26
571-7969496	796949-6	2MV-06	A	6	1.200	1.96	1.74	1.57	1.51
571-7969497	796949-7	2MV-07	A	7	1.400	1.20	1.08	1.02	.96
571-7969498	796949-8	2MV-08	A	8	1.600	1.90	1.71	1.62	1.52
571-17969490	1-796949-0	2MV-10	A	10	2.000	2.40	2.16	2.04	1.92
571-17969492	1-796949-2	2MV-12	A	12	2.400	2.88	2.60	2.45	2.31

45° Angle

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	Fig.	No. of Positions	Overall Length (In.)	Price Each 1	25	50	100
571-15460742	1546074-2	2MA-02	B	2	0.400	.79	.70	.63	.61
571-15460743	1546074-3	2MA-03	B	3	0.600	1.21	1.07	.97	.93
571-15460744	1546074-4	2MA-04	B	4	0.800	1.59	1.41	1.27	1.23
571-15460745	1546074-5	2MA-05	B	5	1.000	1.02	.96	.87	.82
571-115460742	1-1546074-2	2MA-12	B	12	2.400	3.38	3.04	2.87	2.70

5.08MM TERMINAL BLOCKS WITH SCREWLESS CLAMP

- Housing Material: Thermoplastic Polyester
- UL94V-0
- .2" spacing
- Color: Black
- 18-22 AWG wire range
- No special tool required
- 20A rating

For quantities of 200 and up, call for quote.

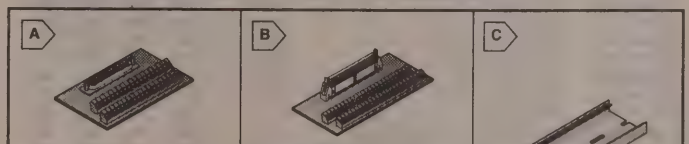
MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	No. of Positions	Overall Length (In.)	Price Each 1	25	50	100
571-14376711	1437671-1	2SV-02	2	0.400	.54	.49	.43	.41
571-14376714	1437671-4	2SV-03	3	0.600	.78	.76	.69	.60
571-14376716	1437671-6	2SV-04	4	0.800	1.04	.94	.89	.84
571-14376717	1437671-7	2SV-05	5	1.000	1.45	1.29	1.16	1.12

INTERFACE MODULES AND ACCESSORIES

These Modules convert industry specific connectors to field wiring and are designed to supply custom solutions.

Features:

- Mounts on SNAPTRACK Channel which can be panel mounted or snapped to a DIN rail.
- Terminal Block screws supplied in ready-to-wire position to save installation time.



Specifications:

- Housing Material: Thermoplastic polyester
- Terminals: Copper alloy, selective gold over nickel
- Shell Material: Bright tin plated, female screw locks installed

Specifications:

- Header: Brass, gold over nickel
- Connector: Copper alloy; gold over nickel
- Wire Range: 26-30 AWG solid, 28 AWG stranded
- Maximum Range: 1 Ampere

Specifications for Figure A&B Terminal Block:

- Flammability: UL94V-0
- Color: Black
- Housing Material: Thermoplastic polyester
- Wire Range: 12-22 AWG wire range
- Max. Operating Temp: 120°C
- Screws: #3-48, steel zinc plated
- Terminals: Bright acid-tin over copper alloy

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Contacts	Description	Price Each 1	10	25
506-2M09DSM	1437684-3	A	9	D-sub conn. module	20.24	18.22	17.21
506-2M15DSM	1437684-7	A	15	D-sub conn. module	29.94	26.95	25.45
506-2M25DSM	1-1437684-8	A	25	D-sub conn. module	32.44	29.20	27.58
506-2M37DSM	2-1437684-3	A	37	D-sub conn. module	36.92	33.23	31.38
506-2M20FC	1-1437684-2	B	20	Flat cable conn. module	37.92	34.13	32.24
506-2M26FC	1-1437684-9	B	26	Flat cable conn. module	42.50	38.24	36.11
506-2M40FC	2-1437684-6	B	40	Flat cable conn. module	62.88	56.59	53.45
506-2M50FC	3-1437684-0	B	50	Flat cable conn. module	55.54	49.99	47.21
506-2M60FC	3-1437684-3	B	60	Flat cable conn. module	91.80	82.62	78.03
506-2TK2-6	1-1437685-4	C	- - -	Mounting channel, 6"	1.88	1.69	1.60
506-2TK2-12	1437685-6	C	- - -	Mounting channel, 12"	5.82	5.24	4.95

BARRIER BLOCKS AND MARKER STRIPS

Series 140 (.375)

Specifications:
- Voltage rating: 250VAC$_{RMS}$
- Current rating: 15A max.
- Withstanding voltage without marker strip: 1100VAC$_{RMS}$ max.
- Withstanding voltage with marker strip: 2000VAC$_{RMS}$ max.
- Maximum watts per terminal: 3750

Mechanical Specifications:
- Maximum wire size: #16AWG
- Recommended tightening torque: 9lb. -in.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Term.	L Dim. (In.)	Price Each 1	25	50	100
Barrier Blocks								
538-2140	2-140	A	2	1.125	1.02	.91	.86	.83
538-3140	3-140	A	3	1.500	1.31	1.17	1.11	1.07
538-4140	4-140	A	4	1.875	1.49	1.32	1.19	1.08
538-5140	5-140	A	5	2.250	1.64	1.45	1.30	1.19
538-6140	6-140	A	6	2.625	1.99	1.84	1.73	1.68
538-7140	7-140	A	7	3.000	2.32	2.06	1.85	1.69
538-8140	8-140	A	8	3.375	2.52	2.28	2.15	2.08
538-9140	9-140	A	9	3.750	2.77	2.56	2.41	2.34
538-10140	10-140	A	10	4.125	3.26	2.90	2.84	2.67
538-11140	11-140	A	11	4.500	3.60	3.26	3.07	2.98
538-12140	12-140	A	12	4.875	3.58	3.36	3.17	3.07
Marker Strips								
538-MS2140	MS-2-140	A	2	1.125	.60	.54	.50	.48
538-MS3140	MS-3-140	A	3	1.500	.62	.56	.52	.51
538-MS4140	MS-4-140	A	4	1.875	.71	.64	.58	.55
538-MS5140	MS-5-140	A	5	2.250	.67	.61	.55	.53
538-MS6140	MS-6-140	A	6	2.625	.68	.61	.55	.53
538-MS7140	MS-7-140	A	7	3.000	.74	.66	.60	.58
538-MS8140	MS-8-140	A	8	3.375	.81	.71	.64	.62
538-MS9140	MS-9-140	A	9	3.750	.82	.74	.67	.65
538-MS10140	MS-10-140	A	10	4.125	.93	.83	.75	.72
538-MS11140	MS-11-140	A	11	4.500	.89	.79	.74	.72
538-MS12140	MS-12-140	A	12	4.875	.89	.79	.74	.72

Series 141 (.438)

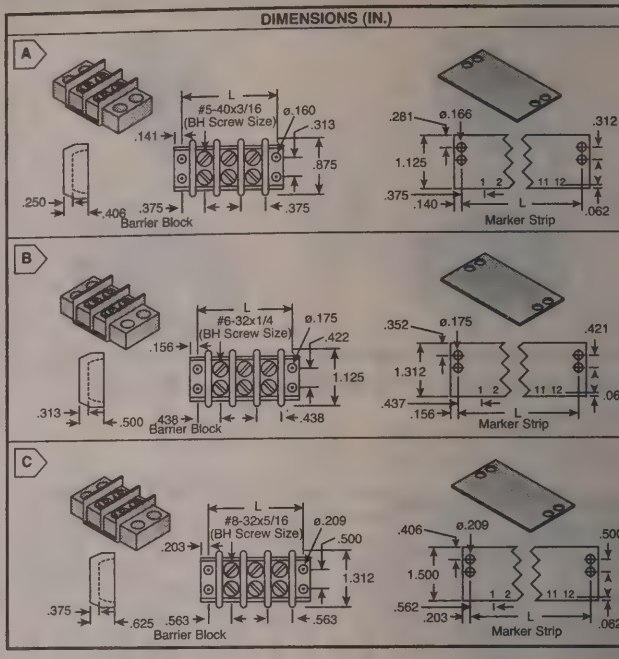
Specifications:
- Voltage rating: 250VAC$_{RMS}$
- Current rating: 20A max.
- Withstanding voltage without marker strip: 1100VAC$_{RMS}$ max.
- Withstanding voltage with marker strip: 2400VAC$_{RMS}$ max.
- Maximum watts per terminal: 5000

Mechanical Specifications:
- Maximum wire size: #14AWG
- Recommended tightening torque: 12lb. -in.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Term.	L Dim. (In.)	Price Each 1	25	50	100
Barrier Blocks								
538-2141	2-141	B	2	1.312	1.02	.90	.81	.78
538-3141	3-141	B	3	1.750	1.72	1.47	1.40	1.36
538-4141	4-141	B	4	2.187	2.03	1.73	1.55	1.41
538-5141	5-141	B	5	2.625	1.87	1.70	1.60	1.55
538-06141	6-141	B	6	3.062	2.02	1.83	1.78	1.72
538-7141	7-141	B	7	3.500	2.56	2.30	2.24	2.18
538-8141	8-141	B	8	3.938	2.83	2.39	2.29	2.22
538-9141	9-141	B	9	4.375	3.20	2.71	2.59	2.51
538-10141	10-141	B	10	4.813	3.27	2.82	2.64	2.56
538-11141	11-141	B	11	5.250	3.78	3.20	3.07	2.98
538-12141	12-141	B	12	5.687	3.73	3.35	3.20	3.10
Marker Strips								
538-MS2141	MS-2-141	B	2	1.312	.53	.47	.46	.44
538-MS3141	MS-3-141	B	3	1.750	.63	.55	.51	.49
538-MS4141	MS-4-141	B	4	2.187	.68	.61	.55	.49
538-MS5141	MS-5-141	B	5	2.625	.69	.62	.56	.57
538-MS6141	MS-6-141	B	6	3.062	.69	.62	.57	.56
538-MS7141	MS-7-141	B	7	3.500	.72	.64	.62	.60
538-MS8141	MS-8-141	B	8	3.938	.83	.74	.68	.66
538-MS9141	MS-9-141	B	9	4.375	.82	.75	.71	.68
538-MS10141	MS-10-141	B	10	4.813	.89	.79	.72	.70
538-MS11141	MS-11-141	B	11	5.250	1.00	.89	.83	.81
538-MS12141	MS-12-141	B	12	5.687	1.10	.97	.88	.81

DIMENSIONS (IN.)



Series 142 (.563)

Specifications:
- Voltage rating: 250VAC$_{RMS}$
- Current rating: 30A max.
- Withstanding voltage without marker strip: 1600VAC$_{RMS}$ max.
- Withstanding voltage with marker strip: 2600VAC$_{RMS}$ max.
- Maximum watts per terminal: 7500

Mechanical Specifications:
- Maximum wire size: #10AWG
- Recommended tightening torque: 16lb

For quantities of 200 and up, call for quote.

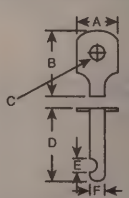
MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Term.	L Dim. (In.)	Price Each 1	25	50
Barrier Blocks							
538-2142	2-142	C	2	1.687	1.68	1.42	1.28
538-3142	3-142	C	3	2.250	1.91	1.66	1.58
538-4142	4-142	C	4	2.812	2.22	1.97	1.77
538-5142	5-142	C	5	3.375	2.97	2.64	2.53
538-06142	6-142	C	6	3.937	4.17	3.74	3.62
538-7142	7-142	C	7	4.500	4.58	4.08	3.97
538-8142	8-142	C	8	5.062	5.04	4.48	4.13
538-9142	9-142	C	9	5.625	7.31	6.52	6.32
538-10142	10-142	C	10	6.187	8.06	7.16	6.45
538-11142	11-142	C	11	6.750	8.03	7.16	6.94
538-12142	12-142	C	12	7.312	8.07	7.18	6.98
Marker Strips							
538-MS2142	MS-2-142	C	2	1.687	.55	.50	.48
538-MS3142	MS-3-142	C	3	2.250	.57	.52	.51
538-MS4142	MS-4-142	C	4	2.812	.65	.59	.57
538-MS5142	MS-5-142	C	5	3.375	.65	.59	.57
538-MS6142	MS-6-142	C	6	3.937	.71	.63	.59
538-MS7142	MS-7-142	C	7	4.500	.77	.71	.68
538-MS8142	MS-8-142	C	8	5.062	.83	.74	.68
538-MS9142	MS-9-142	C	9	5.625	.89	.81	.79
538-MS10142	MS-10-142	C	10	6.187	.94	.84	.82
538-MS11142	MS-11-142	C	11	6.750	.93	.87	.85
538-MS12142	MS-12-142	C	12	7.312	.98	.92	.90

SOLDER TERMINALS, "Y" TERMINALS, PC BOARD

DIMENSIONS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Dimensions (In.) A	B	C	D	E	F	Price Each 1	25	50	100
538-Y140	Y-140	.281	.500	.136	.593	.093	.091	.37	.33	.31	.30
538-Y141	Y-141	.312	.625	.152	.781	.125	.103	.68	.58	.52	.50
538-Y142	Y-142	.421	.734	.177	.906	.125	.126	.70	.62	.60	.58

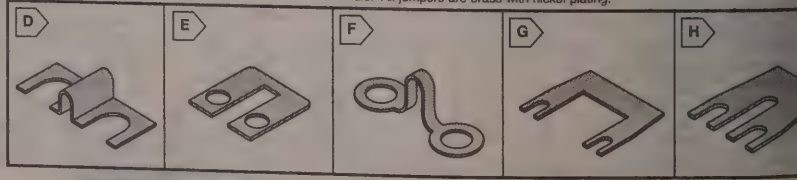


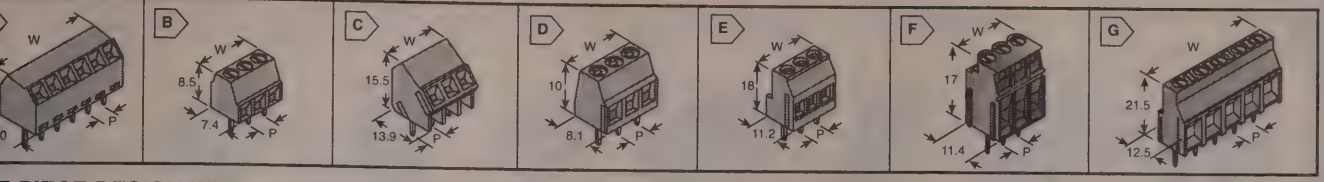
JUMPERS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Barrier Block Series	Price Each 1	25	50	100
538-140J-1	140J1	D	140	.25	.21	.20	.19
538-141J-1	141J-1	E	141	.38	.33	.30	.29
538-141J	141J	F	141	.28	.25	.24	.23
538-95B	95B	F	142	.78	.69	.65	.63
538-142J-1	142J-1	G	142	.38	.33	.30	.29
538-142J-2	142J-2	H	142	.27	.23	.22	.19

For connecting between adjacent terminals or alternate terminals. All jumpers are brass with nickel plating.





E PIECE DESIGN WITH SCREW CLAMP TERMINATION

mm PCB Terminal Blocks - 55 deg. Wire-to-Pin Orientation
300V@12A, IEC 125V@10A, 30-16AWG, Green Color

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Type	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
P02EK381A2	A	P02EK381A2	2	3.81	7.62	9.5	.64	.53	.48
P02EK381A3	A	P02EK381A3	3	3.81	11.43	9.5	.95	.79	.72
P02EK381A4	A	P02EK381A4	4	3.81	15.24	9.5	1.59	1.32	1.20
P02EK381A5	A	P02EK381A5	5	3.81	19.05	9.5	2.23	1.85	1.69
P02EK381A6	A	P02EK381A6	6	3.81	22.86	9.5	2.86	2.38	2.17
P02EK381A7	A	P02EK381A7	7	3.81	26.67	9.5	3.50	2.91	2.65
P02EK381A8	A	P02EK381A8	8	3.81	30.48	9.5	4.13	3.44	3.13
P02EK381A9	A	P02EK381A9	9	3.81	34.29	9.5	4.77	3.97	3.61
P02EK381A10	A	P02EK381A10	10	3.81	38.10	9.5	5.41	4.50	4.10
P02EK381A11	A	P02EK381A11	11	3.81	41.91	9.5	6.04	5.03	4.58
P02EK381A12	A	P02EK381A12	12	3.81	45.72	9.5	6.68	5.56	5.06

mm PCB Terminal Blocks - 90 deg. Wire-to-Pin Orientation
300V@12A, IEC 125V@10A, 30-16AWG, Green Color

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Type	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
P02EK381V2	B	P02EK381V2	2	3.81	7.62	8.5	.58	.49	.44
P02EK381V3	B	P02EK381V3	3	3.81	11.43	8.5	.88	.73	.66
P02EK381V4	B	P02EK381V4	4	3.81	15.24	8.5	1.17	.79	.88
P02EK381V5	B	P02EK381V5	5	3.81	19.05	8.5	1.46	1.22	1.11
P02EK381V6	B	P02EK381V6	6	3.81	22.86	8.5	1.75	1.46	1.33
P02EK381V7	B	P02EK381V7	7	3.81	26.67	8.5	2.04	1.70	1.55
P02EK381V8	B	P02EK381V8	8	3.81	30.48	8.5	2.33	1.95	1.77
P02EK381V9	B	P02EK381V9	9	3.81	34.29	8.5	2.63	2.19	1.99
P02EK381V10	B	P02EK381V10	10	3.81	38.10	8.5	2.92	2.43	2.21
P02EK381V11	B	P02EK381V11	11	3.81	41.91	8.5	3.21	2.68	2.43
P02EK381V12	B	P02EK381V12	12	3.81	45.72	8.5	3.50	2.92	2.65

PCB Terminal Blocks - 35 deg. Wire-to-Pin Orientation
300V@20A, IEC 250V@10A, 24-12AWG, Green Color

Stackable

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Type	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
P02EK500A2	C	P02EK500A2	2	5.0	10	15.5	.58	.49	.44
P02EK500A3	C	P02EK500A3	3	5.0	15	15.5	.88	.73	.66

mm PCB Terminal Blocks - 35 deg. Wire-to-Pin Orientation
300V@20A, IEC 250V@10A, 24-12AWG, Green Color

Stackable

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Type	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
P02EK508A2	C	P02EK508A2	2	5.08	10.16	15.5	.63	.52	.48
P02EK508A3	C	P02EK508A3	3	5.08	15.24	15.5	.94	.78	.71

5.08mm PCB Terminal Blocks - 90 deg. Wire-to-Pin Orientation
UL: 300V@13.5A, IEC 125V@10A, 26-16AWG, Green Color

• Reduced Height

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Type	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02ELK508V2	D	P02ELK508V2	2	5.08	10.16	10	.72	.60	.55
158-P02ELK508V3	D	P02ELK508V3	3	5.08	15.24	10	1.08	.90	.82
158-P02ELK508V4	D	P02ELK508V4	4	5.08	20.32	10	1.45	1.21	1.10
158-P02ELK508V5	D	P02ELK508V5	5	5.08	25.40	10	1.81	1.51	1.37
158-P02ELK508V6	D	P02ELK508V6	6	5.08	30.48	10	2.17	1.81	1.64
158-P02ELK508V7	D	P02ELK508V7	7	5.08	35.56	10	2.53	2.11	1.92
158-P02ELK508V8	D	P02ELK508V8	8	5.08	40.64	10	2.89	2.41	2.19
158-P02ELK508V9	D	P02ELK508V9	9	5.08	45.72	10	3.25	2.71	2.47
158-P02ELK508V10	D	P02ELK508V10	10	5.08	50.80	10	3.62	3.01	2.74
158-P02ELK508V11	D	P02ELK508V11	11	5.08	55.88	10	3.98	3.31	3.01
158-P02ELK508V12	D	P02ELK508V12	12	5.08	60.96	10	4.34	3.62	3.29

5.08mm PCB Terminal Blocks - 90 deg. Wire-to-Pin Orientation
UL: 300V@25A, IEC 250V@32A, 24-12AWG, Green Color

• End Stackable

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Type	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02EHK508V2	E	P02EHK508V2	2	5.08	10.16	18	.87	.73	.66
158-P02EHK508V3	E	P02EHK508V3	3	5.08	15.24	18	1.31	1.09	.99

5.08mm PCB Terminal Blocks - 90 deg. Wire-to-Pin Orientation
UL: 600V@23A, IEC 250V@24A, 24-10AWG, Green Color

• End Stackable

For quantities of 500 and up, call for quote.

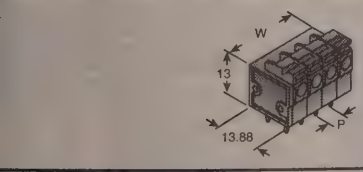
MOUSER STOCK NO.	Fig.	Kobiconn Type	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02ESK508V2	F	P02ESK508V2	2	5.08	10.16	17	1.01	.84	.77
158-P02ESK508V3	F	P02ESK508V3	3	5.08	15.24	17	1.52	1.26	1.15

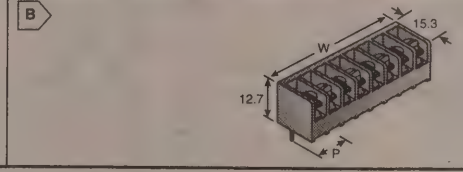
9.52mm PCB Terminal Blocks - 90 deg. Wire-to-Pin Orientation
UL: 300V@30A, IEC 500V@32A, 26-10AWG, Green Color

• End Stackable

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Type	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02EK950V2	G	P02EK950V2	2	9.52	19.04	21.5	.88	.73	.66
158-P02EK950V3	G	P02EK950V3	3	9.52	28.56	21.5	1.31	1.09	.99





H RELEASE TERMINAL BLOCKS

mm PCB Terminal Blocks - 90 deg. Wire-to-Pin Orientation
00V@10A, IEC 380V@16A, 22-14AWG, Green W/Orange Release Lever

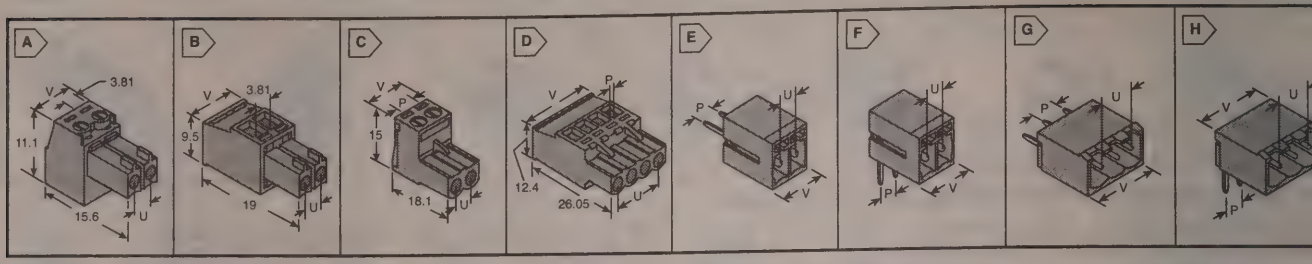
For quantities of 500 and up, call for quote.

IOUSER TOCK NO.	Fig.	Kobiconn Type	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
02142RPU	A	P02142RPU	2	5.08	12.70	13	.53	.52	.48
03142RPU	A	P03142RPU	3	5.08	17.78	13	.94	.78	.71
04142RPU	A	P04142RPU	4	5.08	22.86	13	1.25	1.05	.95
05142RPU	A	P05142RPU	5	5.08	27.94	13	1.57	1.31	1.19
06142RPU	A	P06142RPU	6	5.08	33.02	13	1.88	1.57	1.43
07142RPU	A	P07142RPU	7	5.08	38.10	13	2.20	1.83	1.66
08142RPU	A	P08142RPU	8	5.08	43.18	13	2.51	2.09	1.90
09142RPU	A	P09142RPU	9	5.08	48.26	13	2.82	2.35	2.14
10142RPU	A	P10142RPU	10	5.08	53.34	13	3.14	2.61	2.38
11142RPU	A	P11142RPU	11	5.08	58.42	13	3.45	2.87	2.61
12142RPU	A	P12142RPU	12	5.08	63.50	13	3.76	3.14	2.85

Tri-Barrier Single Row
8.25mm PCB Terminal Blocks
UL: 300V@20A, 22-12AWG, Black Color

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Type	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02DT39B	B	P02DT39B	2	8.25	17.40	12.7	.68	.57	.51
158-P03DT39B	B	P03DT39B	3	8.25	25.65	12.7	1.02	.85	.77
158-P04DT39B	B	P04DT39B	4	8.25	33.90	12.7	1.36	1.13	1.03
158-P05DT39B	B	P05DT39B	5	8.25	42.15	12.7	1.70	1.42	1.29
158-P06DT39B	B	P06DT39B	6	8.25	50.40	12.7	2.04	1.70	1.54
158-P07DT39B	B	P07DT39B	7	8.25	58.64	12.7	2.38	1.98	1.80
158-P08DT39B	B	P08DT39B	8	8.25	66.90	12.7	2.72	2.27	2.06
158-P09DT39B	B	P09DT39B	9	8.25	75.15	12.7	3.06	2.55	2.32
158-P10DT39B	B	P10DT39B	10	8.25	83.40	12.7	3.40	2.83	2.57
158-P11DT39B	B	P11DT39B	11	8.25	91.65	12.7	3.74	3.11	2.83
158-P12DT39B	B	P12DT39B	12	8.25	99.90	12.7	4.08	3.40	3.09



TERMINAL BLOCK PLUGS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Type	Pos.	Dimensions (mm.) P	U	V	Price Each 1	50	100
3.81mm Terminal Block Plugs - 180 deg. Wire-to-Plug Orientation UL: 300V@8A, IEC 125V@8A, 22-16AWG, Green Color									
158-P02EC381VP	A	P02EC381VP	2	3.81	3.81	8.41	1.09	.91	.83
158-P03EC381VP	A	P03EC381VP	3	3.81	7.62	12.22	1.63	1.36	1.24
158-P04EC381VP	A	P04EC381VP	4	3.81	11.43	16.03	2.18	1.82	1.65
158-P05EC381VP	A	P05EC381VP	5	3.81	15.24	19.84	2.72	2.27	2.06
158-P06EC381VP	A	P06EC381VP	6	3.81	19.05	23.65	3.27	2.72	2.48
158-P07EC381VP	A	P07EC381VP	7	3.81	22.86	27.46	3.81	3.18	2.89
158-P08EC381VP	A	P08EC381VP	8	3.81	26.67	31.27	4.36	3.63	3.30
158-P09EC381VP	A	P09EC381VP	9	3.81	30.48	35.08	4.90	4.08	3.71
158-P10EC381VP	A	P10EC381VP	10	3.81	34.29	38.89	5.45	4.54	4.13
158-P11EC381VP	A	P11EC381VP	11	3.81	38.10	42.70	5.99	4.99	4.54
158-P12EC381VP	A	P12EC381VP	12	3.81	41.91	46.51	6.53	5.45	4.95
3.81mm Terminal Block Plugs - 90 deg. Wire-to-Plug Orientation UL: 300V@8A, IEC 125V@8A, 22-16AWG, Green Color									
158-P02EC381RP	B	P02EC381RP	2	3.81	3.81	8.41	1.25	1.04	.94
158-P03EC381RP	B	P03EC381RP	3	3.81	7.62	12.22	1.87	1.56	1.42
158-P04EC381RP	B	P04EC381RP	4	3.81	11.43	16.03	2.49	2.08	1.89
158-P05EC381RP	B	P05EC381RP	5	3.81	15.24	19.84	3.11	2.60	2.36
158-P06EC381RP	B	P06EC381RP	6	3.81	19.05	23.65	3.74	3.11	2.83
158-P07EC381RP	B	P07EC381RP	7	3.81	22.86	27.46	4.36	3.63	3.30
158-P08EC381RP	B	P08EC381RP	8	3.81	26.67	31.27	4.98	4.15	3.78
158-P09EC381RP	B	P09EC381RP	9	3.81	30.48	35.08	5.61	4.67	4.25
158-P10EC381RP	B	P10EC381RP	10	3.81	34.29	38.89	6.23	5.19	4.72
158-P11EC381RP	B	P11EC381RP	11	3.81	38.10	42.70	6.85	5.71	5.19
158-P12EC381RP	B	P12EC381RP	12	3.81	41.91	46.51	7.47	6.23	5.66
5.0mm Terminal Block Plugs - 180 deg. Wire-to-Plug Orientation UL: 300V@15A, IEC 250V@12A, 28-12AWG, Green Color									
158-P025ESDVP	C	P025ESDVP	2	5.00	5	10	.93	.78	.71
158-P035ESDVP	C	P035ESDVP	3	5.00	10	15	1.40	1.17	1.06
158-P045ESDVP	C	P045ESDVP	4	5.00	15	20	1.86	1.55	1.41
158-P055ESDVP	C	P055ESDVP	5	5.00	20	25	2.33	1.94	1.77
158-P065ESDVP	C	P065ESDVP	6	5.00	25	30	2.80	2.33	2.12
158-P075ESDVP	C	P075ESDVP	7	5.00	30	35	3.26	2.72	2.47
158-P085ESDVP	C	P085ESDVP	8	5.00	35	40	3.73	3.11	2.82
158-P095ESDVP	C	P095ESDVP	9	5.00	40	45	4.19	3.50	3.18
158-P105ESDVP	C	P105ESDVP	10	5.00	45	50	4.66	3.88	3.53
158-P115ESDVP	C	P115ESDVP	11	5.00	50	55	5.13	4.27	3.88
158-P125ESDVP	C	P125ESDVP	12	5.00	55	60	5.59	4.66	4.24
5.0mm Terminal Block Plugs - 90 deg. Wire-to-Plug Orientation UL: 300V@15A, IEC 250V@12A, 28-12AWG, Green Color									
158-P025ESDPP	D	P025ESDPP	2	5.00	5	10	.99	.83	.75
158-P035ESDPP	D	P035ESDPP	3	5.00	10	15	1.49	1.24	1.13
158-P045ESDPP	D	P045ESDPP	4	5.00	15	20	1.99	1.66	1.50
158-P055ESDPP	D	P055ESDPP	5	5.00	20	25	2.48	2.07	1.88
158-P065ESDPP	D	P065ESDPP	6	5.00	25	30	2.98	2.48	2.26
158-P075ESDPP	D	P075ESDPP	7	5.00	30	35	3.48	2.90	2.63
158-P085ESDPP	D	P085ESDPP	8	5.00	35	40	3.97	3.31	3.01
158-P095ESDPP	D	P095ESDPP	9	5.00	40	45	4.47	3.72	3.39
158-P105ESDPP	D	P105ESDPP	10	5.00	45	50	4.97	4.14	3.76
158-P115ESDPP	D	P115ESDPP	11	5.00	50	55	5.46	4.55	4.14
158-P125ESDPP	D	P125ESDPP	12	5.00	55	60	5.96	4.97	4.51
5.08mm Terminal Block Plugs - 180 deg. Wire-to-Plug Orientation UL: 300V@15A, IEC 250V@12A, 28-12AWG, Green Color									
158-P022ESDVP	C	P022ESDVP	2	5.08	5.08	10.16	.93	.78	.71
158-P032ESDVP	C	P032ESDVP	3	5.08	10.16	15.24	1.40	1.17	1.06
158-P042ESDVP	C	P042ESDVP	4	5.08	15.24	20.32	1.86	1.55	1.41
158-P052ESDVP	C	P052ESDVP	5	5.08	20.32	25.40	2.33	1.94	1.77
158-P062ESDVP	C	P062ESDVP	6	5.08	25.40	30.48	2.80	2.33	2.12
158-P072ESDVP	C	P072ESDVP	7	5.08	30.48	35.56	3.26	2.72	2.47
158-P082ESDVP	C	P082ESDVP	8	5.08	35.56	40.64	3.73	3.11	2.82
158-P092ESDVP	C	P092ESDVP	9	5.08	40.64	45.72	4.19	3.50	3.18
158-P102ESDVP	C	P102ESDVP	10	5.08	45.72	50.80	4.66	3.88	3.53
158-P112ESDVP	C	P112ESDVP	11	5.08	50.80	55.88	5.13	4.27	3.88
158-P122ESDVP	C	P122ESDVP	12	5.08	55.88	60.96	5.59	4.66	4.24
5.08mm Terminal Block Plugs - 90 deg. Wire-to-Plug Orientation UL: 300V@15A, IEC 250V@12A, 28-12AWG, Green Color									
158-P022ESDPP	D	P022ESDPP	2	5.08	5.08	10.16	.99	.83	.75
158-P032ESDPP	D	P032ESDPP	3	5.08	10.16	15.24	1.49	1.24	1.13
158-P042ESDPP	D	P042ESDPP	4	5.08	15.24	20.32	1.99	1.66	1.50
158-P052ESDPP	D	P052ESDPP	5	5.08	20.32	25.40	2.48	2.07	1.88
158-P062ESDPP	D	P062ESDPP	6	5.08	25.40	30.48	2.98	2.48	2.26
158-P072ESDPP	D	P072ESDPP	7	5.08	30.48	35.56	3.48	2.90	2.63
158-P082ESDPP	D	P082ESDPP	8	5.08	35.56	40.64	3.97	3.31	3.01
158-P092ESDPP	D	P092ESDPP	9	5.08	40.64	45.72	4.47	3.72	3.39
158-P102ESDPP	D	P102ESDPP	10	5.08	45.72	50.80	4.97	4.14	3.76
158-P112ESDPP	D	P112ESDPP	11	5.08	50.80	55.88	5.46	4.55	4.14
158-P122ESDPP	D	P122ESDPP	12	5.08	55.88	60.96	5.96	4.97	4.51

TERMINAL BLOCK HEADERS

For quantities of 500 and up, call for

MOUSER STOCK NO.	Fig.	Kobiconn Type	Pos.	Dimensions (mm.) P	U	V	Price Each 1	50
3.81mm PCB Terminal Block Headers - 180 deg. Socket-to-Pin Orientation UL: 300V@8A, IEC 125V@8A, Green Color								
158-P02ECH381VH	E	P02ECH381VH	2	3.81	3.81	8.41	.43	.36
158-P03ECH381VH	E	P03ECH381VH	3	3.81	7.62	12.22	.65	.54
158-P04ECH381VH	E	P04ECH381VH	4	3.81	11.43	16.03	.86	.72
158-P05ECH381VH	E	P05ECH381VH	5	3.81	15.24	19.84	1.08	.90
158-P06ECH381VH	E	P06ECH381VH	6	3.81	19.05	23.65	1.29	1.08
158-P07ECH381VH	E	P07ECH381VH	7	3.81	22.86	27.46	1.51	1.26
158-P08ECH381VH	E	P08ECH381VH	8	3.81	26.67	31.27	1.72	1.44
158-P09ECH381VH	E	P09ECH381VH	9	3.81	30.48	35.08	1.94	1.62
158-P10ECH381VH	E	P10ECH381VH	10	3.81	34.29	38.89	2.16	1.80
158-P11ECH381VH	E	P11ECH381VH	11	3.81	38.10	42.70	2.37	1.98
158-P12ECH381VH	E	P12ECH381VH	12	3.81	41.91	46.51	2.59	2.16
3.81mm PCB Terminal Block Headers - 180 deg. Socket-to-Pin Orientation UL: 300V@8A, IEC 125V@8A, Green Color								
158-P02ECH381RH	F	P02ECH381RH	2	3.81	3.81	8.41	.43	.36
158-P03ECH381RH	F	P03ECH381RH	3	3.81	7.62	12.22	.65	.54
158-P04ECH381RH	F	P04ECH381RH	4	3.81	11.43	16.03	.86	.72
158-P05ECH381RH	F	P05ECH381RH	5	3.81	15.24	19.84	1.08	.90
158-P06ECH381RH	F	P06ECH381RH	6	3.81	19.05	23.65	1.29	1.08
158-P07ECH381RH	F	P07ECH381RH	7	3.81	22.86	27.46	1.51	1.26
158-P08ECH381RH	F	P08ECH381RH	8	3.81	26.67	31.27	1.72	1.44
158-P09ECH381RH	F	P09ECH381RH	9	3.81	30.48	35.08	1.94	1.62
158-P10ECH381RH	F	P10ECH381RH	10	3.81	34.29	38.89	2.16	1.80
158-P11ECH381RH	F	P11ECH381RH	11	3.81	38.10	42.70	2.37	1.98
158-P12ECH381RH	F	P12ECH381RH	12	3.81	41.91	46.51	2.59	2.16
5.0mm PCB Terminal Block Headers - 180 deg. Socket-to-Pin Orientation UL: 300V@15A, IEC 250V@12A, Green Color								
158-P025EHDVCH	G	P025EHDVCH	2	5.00	5	11.28	.43	.36
158-P035EHDVCH	G	P035EHDVCH	3	5.00	10	16.28	.65	.54
158-P045EHDVCH	G	P045EHDVCH	4	5.00	15	21.28	.86	.72
158-P055EHDVCH	G	P055EHDVCH	5	5.00	20	26.28	1.08	.90
158-P065EHDVCH	G	P065EHDVCH	6	5.00	25	31.28	1.29	1.08
158-P075EHDVCH	G	P075EHDVCH	7	5.00	30	36.28	1.51	1.26
158-P085EHDVCH	G	P085EHDVCH	8	5.00	35	41.28	1.72	1.44
158-P095EHDVCH	G	P095EHDVCH	9	5.00	40	46.28	1.94	1.62
158-P105EHDVCH	G	P105EHDVCH	10	5.00	45	51.28	2.16	1.80
158-P115EHDVCH	G	P115EHDVCH	11	5.00	50	56.28	2.37	1.98
158-P125EHDVCH	G	P125EHDVCH	12	5.00	55	61.28	2.59	2.16
5.0mm PCB Terminal Block Headers - 90 deg. Socket-to-Pin Orientation UL: 300V@15A, IEC 250V@12A, Green Color								
158-P025EHDRCH	H	P025EHDRCH	2	5.00	5	11.28	.45	.38
158-P035EHDRCH	H	P035EHDRCH	3	5.00	10	16.28	.68	.57
158-P045EHDRCH	H	P045EHDRCH	4	5.00	15	21.28	.90	.75
158-P055EHDRCH	H	P055EHDRCH	5	5.00	20	26.28	1.11	.93
158-P065EHDRCH	H	P065EHDRCH	6	5.00	25	31.28	1.33	1.11
158-P075EHDRCH	H	P075EHDRCH	7	5.00	30	36.28	1.54	1.29
158-P085EHDRCH	H	P085EHDRCH	8	5.00	35	41.28	1.76	1.47
158-P095EHDRCH	H	P095EHDRCH	9	5.00	40	46.28	1.98	1.65
158-P105EHDRCH	H	P105EHDRCH	10	5.00	45	51.28	2.19	1.83
158-P115EHDRCH	H	P115EHDRCH	11	5.00	50	56.28	2.41	2.01
158-P125EHDRCH	H	P125EHDRCH	12	5.00	55	61.28	2.62	2.19
5.08mm PCB Terminal Block Headers - 180 deg. Socket-to-Pin Orientation UL: 300V@15A, IEC 250V@12A, Green Color								
158-P022EHDVCH	G	P022EHDVCH	2	5.08	5.08	11.36	.43	.36
158-P032EHDVCH	G	P032EHDVCH	3	5.08	10.16	16.44	.65	.54
158-P042EHDVCH	G	P042EHDVCH	4	5.08	15.24	21.52	.86	.72
158-P052EHDVCH	G	P052EHDVCH	5	5.08	20.32	26.60	1.08	.90
158-P062EHDVCH	G	P062EHDVCH	6	5.08	25.40	31.68	1.29	1.08
158-P072EHDVCH	G	P072EHDVCH	7	5.08	30.48	36.76	1.51	1.26
158-P082EHDVCH	G	P082EHDVCH	8	5.08	35.56	41.84	1.72	1.44
158-P092EHDVCH	G	P092EHDVCH	9	5.08	40.64	46.92	1.94	1.62
158-P102EHDVCH	G	P102EHDVCH	10	5.08	45.72	52.00	2.16	1.80
158-P112EHDVCH	G	P112EHDVCH	11	5.08	50.80	57.08	2.37	1.98
158-P122EHDVCH	G	P122EHDVCH	12	5.08	55.88	62.16	2.59	2.16
5.08mm PCB Terminal Block Headers - 90 deg. Socket-to-Pin Orientation UL: 300V@15A, IEC 250V@12A, Green Color								
158-P022EHDRCH	H	P022EHDRCH	2	5.08	5.08	11.36	.45	.38
158-P032EHDRCH	H	P032EHDRCH	3	5.08	10.16	16.44	.68	.57
158-P042EHDRCH	H	P042EHDRCH	4	5.08	15.24	21.52	.90	.75
158-P052EHDRCH	H	P052EHDRCH	5	5.08	20.32	26.60	1.11	.93
158-P062EHDRCH	H	P062EHDRCH	6	5.08	25.40	31.68	1.33	1.11
158-P072EHDRCH	H	P072EHDRCH	7	5.08	30.48	36.76	1.54	1.29
158-P082EHDRCH	H	P082EHDRCH	8	5.08	35.56	41.84	1.76	1.47
158-P092EHDRCH	H	P092EHDRCH	9	5.08	40.64	46.92	1.98	1.65
158-P102EHDRCH	H	P102EHDRCH	10	5.08	45.72	52.00	2.19	1.83
158-P112EHDRCH	H	P112EHDRCH	11	5.08	50.80	57.08	2.41	2.01
158-P122EHDRCH	H	P122EHDRCH	12	5.08	55.88	62.16	2.62	2.19

MOLEX Interface Modules

molex

e modules are Din-Rail mounted, PCB-based interconnect devices that provide an expedient and simplistic means to transition between system I/O l equipment. Modules incorporate terminal blocks and other high-density electronic connectors and are provided with pre-drilled component holes for the addition of other electronic components, if necessary. Typical modifications include the addition of resistors, capacitors, diodes or LED's for al functionality.

es:
- cage clamp terminal blocks
- packing density of compact modules
- ng/marking
- illed component holes
- installed cost
- screte wire connections

Applications:
- Machine Builders
- Process Control Equipment/Systems
- Industrial Control Equipment
- Material Handling Equipment
- Transportation
- Construction Equipment

Terminal Block Specifications:
- Wire Size: 26 - 12 AWG
- Current: 15A max.
- Voltage: 300V max.
- Housing Material: PA Polyamide (Nylon) 6/6
- Flammability: UL 94V-0
- Contact: Phosphor Bronze (CuSn)
- Plating Contact: Tin (Sn)

n Cable Connector:
- e: 120V
- t: 1.0A
- tric Withstanding Voltage: 1000V RMS
- tion Resistance: 1000 Megohms min.

D-Sub Connector:
- Voltage: 125V
- Current: 2.50A
- Dielectric Withstanding Voltage: 500V RMS
- Insulation Resistance: 1000 Megohms min.

UB MODULES - FIXED (ONE-PIECE) TERMINAL BLOCKS

For quantities of 50 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	Description	Dimension A mm (In.)	Price Each			
					1	5	10	25
9170-2009	39170-2009	A	9 Pin Male D-Sub	39.4 (1.55)	35.37	28.30	25.15	23.58
9170-2015	39170-2015	A	15 Pin Male D-Sub	54.4 (2.14)	37.80	30.24	26.88	25.20
9170-2025	39170-2025	A	25 Pin Male D-Sub	79.8 (3.14)	46.06	36.85	32.75	30.71
9170-2037	39170-2037	A	37 Pin Male D-Sub	106.4 (4.19)	55.40	44.32	39.39	36.93
9170-2050	39170-2050	A	50 Pin Male D-Sub	142.0 (5.59)	91.55	73.24	65.10	61.04
9170-3009	39170-3009	B	9 Pin Female D-Sub	39.4 (1.55)	35.37	28.30	25.15	23.58
9170-3015	39170-3015	B	15 Pin Female D-Sub	54.4 (2.14)	37.80	30.24	26.88	25.20
9170-3025	39170-3025	B	25 Pin Female D-Sub	79.8 (3.14)	46.06	36.85	32.75	30.71
9170-3037	39170-3037	B	37 Pin Female D-Sub	106.4 (4.19)	55.40	44.32	39.39	36.93
9170-3050	39170-3050	B	50 Pin Female D-Sub	142.0 (5.59)	91.55	73.24	65.10	61.04

UB MODULES - PLUGGABLE (TWO-PIECE) TERMINAL BLOCKS

For quantities of 50 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	Description	Dimension A mm (In.)	Price Each			
					1	5	10	25
9170-2109	39170-2109	C	9 Pin Male D-Sub	39.4 (1.55)	38.61	30.89	27.46	25.74
9170-2115	39170-2115	C	15 Pin Male D-Sub	54.4 (2.14)	42.26	33.80	30.05	28.17
9170-2125	39170-2125	C	25 Pin Male D-Sub	79.8 (3.14)	51.91	41.53	36.91	34.61
9170-2137	39170-2137	C	37 Pin Male D-Sub	106.4 (4.19)	63.20	50.56	44.94	42.14
9170-2150	39170-2150	C	50 Pin Male D-Sub	142.0 (5.59)	69.73	55.78	49.58	46.49
9170-3109	39170-3109	D	9 Pin Female D-Sub	39.4 (1.55)	38.61	30.89	27.46	25.74
9170-3115	39170-3115	D	15 Pin Female D-Sub	54.4 (2.14)	42.26	33.80	30.05	28.17
9170-3125	39170-3125	D	25 Pin Female D-Sub	79.8 (3.14)	51.91	41.53	36.91	34.61
9170-3137	39170-3137	D	37 Pin Female D-Sub	106.4 (4.19)	63.20	50.56	44.94	42.14
9170-3150	39170-3150	D	50 Pin Female D-Sub	142.0 (5.59)	69.73	55.78	49.58	46.49

BON CABLE MODULES - FIXED (ONE-PIECE) TERMINAL BLOCKS

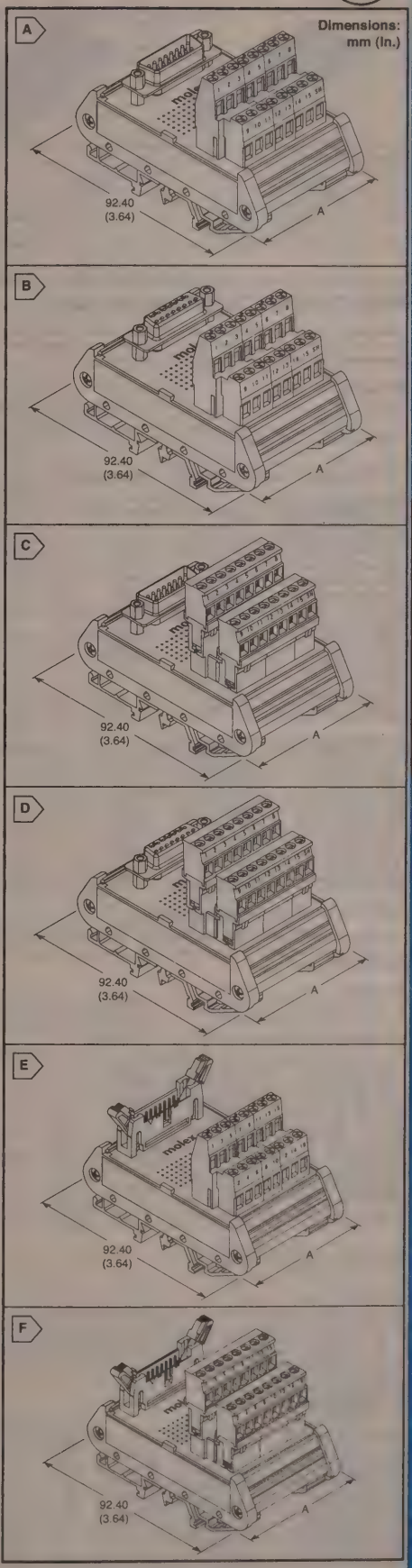
For quantities of 50 and up, call for quote.

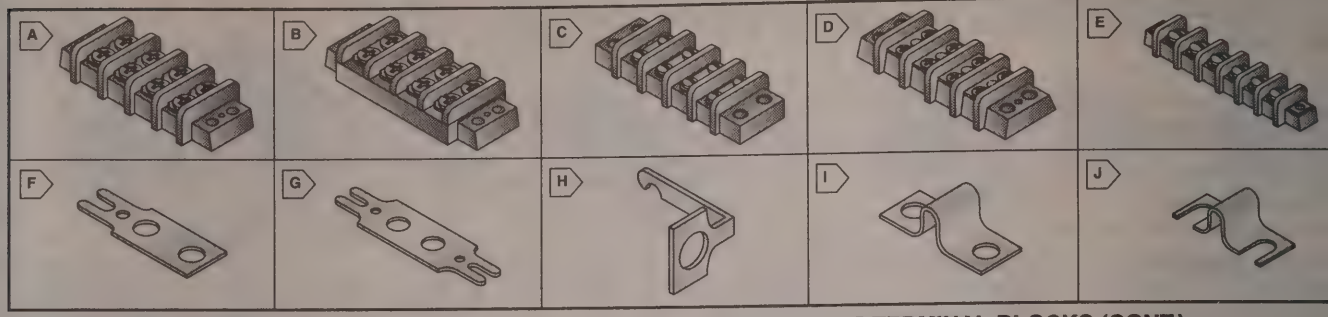
MOUSER TOCK NO.	Molex Part No.	Fig.	Description	Dimension A mm (In.)	Price Each			
					1	5	10	25
9170-1014	39170-1014	E	14 Pin Ribbon Cable	50.8 (2.00)	34.34	27.47	24.42	22.89
9170-1016	39170-1016	E	16 Pin Ribbon Cable	53.3 (2.10)	35.10	28.08	24.96	23.40
9170-1020	39170-1020	E	20 Pin Ribbon Cable	61.0 (2.40)	36.92	29.54	26.26	24.62
9170-1026	39170-1026	E	26 Pin Ribbon Cable	76.2 (3.00)	40.32	32.26	28.67	26.88
9170-1034	39170-1034	E	34 Pin Ribbon Cable	95.0 (3.74)	44.26	35.41	31.47	29.51
9170-1040	39170-1040	E	40 Pin Ribbon Cable	111.5 (4.39)	50.45	40.36	35.87	33.63
9170-1050	39170-1050	E	50 Pin Ribbon Cable	135.6 (5.34)	59.24	47.39	42.13	39.50

BON CABLE MODULES - PLUGGABLE (TWO-PIECE) TERMINAL BLOCKS

For quantities of 50 and up, call for quote.

MOUSER TOCK NO.	Molex Part No.	Fig.	Description	Dimension A mm (In.)	Price Each			
					1	5	10	25
9170-1114	39170-1114	F	14 Pin Ribbon Cable	50.8 (2.00)	38.27	30.62	27.22	25.52
9170-1116	39170-1116	F	16 Pin Ribbon Cable	53.3 (2.10)	39.38	31.50	28.00	26.25
9170-1120	39170-1120	F	20 Pin Ribbon Cable	61.0 (2.40)	41.85	33.48	29.76	27.90
9170-1126	39170-1126	F	26 Pin Ribbon Cable	76.2 (3.00)	43.83	35.06	31.17	29.22
9170-1134	39170-1134	F	34 Pin Ribbon Cable	95.0 (3.74)	51.46	41.17	36.59	34.31
9170-1140	39170-1140	F	40 Pin Ribbon Cable	111.5 (4.39)	60.80	48.64	43.23	40.53
9170-1150	39170-1150	F	50 Pin Ribbon Cable	135.6 (5.34)	69.14	55.31	49.17	46.10





WIRE-TO-WIRE TERMINAL BLOCKS

Robust and durable they are ultrasonically welded into the thermoplastic insulator. The terminal can not be twisted or rotated even under excessive force.Closed bottom design allows for the terminal to be mounted directly on a sheet metal panel or placed over a panel cutout.

Features:

- Wire to Wire
- 15 to 20 Amps
- Insulator: Thermoplastic, UL94V-0, black
- Terminals: Brass, nickel plated
- Screw: #6-32, phil/slot, steel, zinc chromate plated
- Screw Terminal Style
- 150 to 300 Volts

.375" Double Row, Low Profile - Thermoplastic

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each 1	25	50	100
538-38770-0102	38770-0102	77002	A	2	.82	.68	.55	.48
538-38770-0103	38770-0103	77003	A	3	.93	.77	.61	.54
538-38770-0104	38770-0104	77004	A	4	1.13	.94	.75	.66
538-38770-0105	38770-0105	77005	A	5	1.46	1.22	.97	.85
538-38770-0106	38770-0106	77006	A	6	1.75	1.46	1.17	1.02
538-38770-0107	38770-0107	77007	A	7	1.81	1.51	1.21	1.06
538-38770-0108	38770-0108	77008	A	8	2.16	1.80	1.44	1.26
538-38770-0110	38770-0110	77010	A	10	2.59	2.16	1.73	1.52
538-38770-0112	38770-0112	77012	A	12	2.94	2.45	1.97	1.72
538-38770-0114	38770-0114	77014	A	14	3.48	2.90	2.32	2.04
538-38770-0116	38770-0116	77016	A	16	3.93	3.28	2.63	2.30
538-38770-0120	38770-0120	77020	A	20	4.87	4.07	3.26	2.85

.375" Double Row - Thermoplastic

For quantities of 200 and up, call for quote.

538-38760-0102	38760-0102	76002	A	2	.82	.69	.55	.48
538-38760-0103	38760-0103	76003	A	3	.93	.77	.61	.54
538-38760-0104	38760-0104	76004	A	4	.93	.75	.67	.63
538-38760-0105	38760-0105	76005	A	5	1.22	.97	.87	.82
538-38760-0106	38760-0106	76006	A	6	1.36	1.08	.98	.92
538-38760-0107	38760-0107	76007	A	7	1.51	1.21	1.09	1.03
538-38760-0108	38760-0108	76008	A	8	1.75	1.40	1.27	1.20
538-38760-0110	38760-0110	76010	A	10	2.18	1.74	1.57	1.48
538-38760-0112	38760-0112	76012	A	12	2.45	1.97	1.77	1.67

.438" Double Row - Thermoplastic

Ultrasonically welded into the thermoplastic insulator. The terminal can not be twisted or rotated even under excessive force. Closed bottom design allows for the terminal to be mounted directly on a sheet metal panel or placed over a panel cutout.

Features:

- Wire to Wire
- Insulator: Thermoplastic, UL94V-0, black
- Terminal: Brass, nickel plated
- Screw: #6-32, phil/slot, steel, zinc chromate plated
- Screw Terminal Style
- 15-20 Amps

For quantities of 200 and up, call for quote.

538-38780-0102	38780-0102	78002	B	2	.86	.72	.57	.50
538-38780-0103	38780-0103	78003	B	3	1.09	.90	.72	.63
538-38780-0104	38780-0104	78004	B	4	1.54	1.29	1.03	.90
538-38780-0105	38780-0105	78005	B	5	1.71	1.42	1.14	1.00
538-38780-0106	38780-0106	78006	B	6	2.02	1.68	1.35	1.18
538-38780-0107	38780-0107	78007	B	7	2.43	2.02	1.62	1.42
538-38780-0108	38780-0108	78008	B	8	2.57	2.14	1.72	1.51
538-38780-0110	38780-0110	78010	B	10	3.11	2.59	2.08	1.82
538-38780-0112	38780-0112	78012	B	12	3.72	3.11	2.49	2.18
538-38780-0114	38780-0114	78014	B	14	4.34	3.62	2.90	2.54
538-38780-0116	38780-0116	78016	B	16	4.81	4.02	3.22	2.82

.563" Double Row - Phenolic

Features:

- This series is for wire-to-wire terminations for 50 Amps @ 300 Volts and 150 C.
- Robust and durable #8-32 screw insures reliability and allows for 10 AWG wire without wire clamps.
- High temperature phenolic insulator out performs thermoplastic compounds.
- Closed bottom construction allows the product series to be PCB, bulkhead or panel mount.
- Insulator: General purpose phenolic
- Terminal: Brass, nickel plated
- Screw: #8-32, phil/slot, steel, zinc chromate plated
- Screw Terminal Style - Closed Bottom

For quantities of 200 and up, call for quote.

538-38211-0102	38211-0102	21002-CB	C	2	1.19	.94	.84	.79
538-38211-0103	38211-0103	21003-CB	C	3	1.76	1.40	1.25	1.18
538-38211-0104	38211-0104	21004-CB	C	4	2.12	1.69	1.51	1.42
538-38211-0105	38211-0105	21005-CB	C	5	2.66	2.12	1.89	1.78
538-38211-0106	38211-0106	21006-CB	C	6	3.07	2.45	2.19	2.06
538-38211-0107	38211-0107	21007-CB	C	7	3.96	3.56	3.37	3.17
538-38211-0108	38211-0108	21008-CB	C	8	3.61	3.25	3.07	2.89
538-38211-0110	38211-0110	21010-CB	C	10	4.71	3.75	3.35	3.16
538-38211-0112	38211-0112	21012-CB	C	12	5.70	4.54	4.06	3.82

WIRE-TO-WIRE TERMINAL BLOCKS (CONT.)

.688" Double Row - Phenolic

The series 28 phenolic terminal strip is our highest power double row rated 80 Amps @ 300 Volts and 150°C. The standard #10-32 screw is designed for years of rugged use. The product is compatible with 10 AWG bare up to 6 AWG lugged wires.

- Screw: #10-32, phil/slot, brass, nickel plated
- Terminal: brass, nickel plated
- 50 Amps @ 300 Volts
- High temperature phenolic insulator

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each 1	25	50	1
538-38280-0102	38280-0102	28002	D	2	2.86	2.39	1.91	1.
538-38280-0103	38280-0103	28003	D	3	4.07	3.40	2.72	2.
538-38280-0104	38280-0104	28004	D	4	5.29	4.78	4.51	4.
538-38280-0105	38280-0105	28005	D	5	6.52	5.44	4.36	3.
538-38280-0106	38280-0106	28006	D	6	6.40	5.73	5.41	5.
538-38280-0108	38280-0108	28008	D	8	8.00	7.16	6.77	6.
538-38280-0110	38280-0110	28010	D	10	9.80	8.80	8.31	7.
538-38280-0112	38280-0112	28012	D	12	11.80	10.62	10.03	9.

WIRE-TO-PCB TERMINAL BLOCKS - .375" PCB

Features:

- Ultrasonically welded into the thermoplastic insulator, eliminating terminal twisting & associated solder joint failure.
- PC Terminal Style
- Screw: #6-32, phil/slot, steel, zinc chromate plate
- 15 to 20 Amps
- 150 to 300 Volts

Single Row

* no mounting ends

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each 1	25	50	1
538-38720-6202	38720-6202	72502	E	2	1.06	.87	.70	.
538-38720-6203	38720-6203	72503	E	3	1.40	1.17	.92	.
538-38720-6204	38720-6204	72504	E	4	1.67	1.40	1.11	.
538-38720-6205	38720-6205	72505	E	5	1.86	1.67	1.58	1.
538-38720-6206	38720-6206	72506	E	6	2.31	1.93	1.54	1.
538-38720-6208	38720-6208	72508	E	8	2.98	2.49	1.98	1.
538-38720-6210	38720-6210	72510	E	10	3.62	3.02	2.41	2.
538-38720-6212	38720-6212	72512	E	12	4.21	3.52	2.80	2.
*538-38720-6304	38720-6304	72504-C	E	4	1.25	1.04	.83	.
*538-38720-6305	38720-6305	72505-C	E	5	1.47	1.23	.98	.
*538-38720-6306	38720-6306	72506-C	E	6	1.76	1.47	1.17	1.

Single Row, Insulated Solder Turret

For quantities of 200 and up, call for qu

538-38720-3202	38720-3202	72202	E	2	1.10	.98	.93	.
538-38720-3203	38720-3203	72203	E	3	1.60	1.34	1.07	.
538-38720-3204	38720-3204	72204	E	4	1.97	1.65	1.31	1.
538-38720-3205	38720-3205	72205	E	5	2.31	1.93	1.54	1.
538-38720-3206	38720-3206	72206	E	6	2.66	2.22	1.77	1.
538-38720-3207	38720-3207	72207	E	7	3.00	2.51	2.00	1.
538-38720-3208	38720-3208	72208	E	8	3.39	2.83	2.25	1.
538-38720-3210	38720-3210	72210	E	10	6.11	5.50	5.19	4.
538-38720-3212	38720-3212	72212	E	12	4.83	4.03	3.21	2.

Single Row, Insulated Quick Connect

For quantities of 200 and up, call for qu

538-38721-6702	38721-6702	72902	E	2	1.10	.91	.73	.
538-38721-6703	38721-6703	72903	E	3	1.44	1.21	.95	.
538-38721-6704	38721-6704	72904	E	4	1.74	1.45	1.16	1.
538-38721-6706	38721-6706	72906	E	6	1.75	1.40	1.27	1.

ACCESSORIES

For Series 76000 and 77000 - (.375")

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	Description	Price Each 1	25	50	1
538-38002-0204	38002-0204	141	F	One-sided solder terminal	.17	.12	.11	
538-38002-0157	38002-0157	142	G	Two-sided solder terminal	.20	.13	.12	
538-38002-0159	38002-0159	143	H	Short solder bottom terminal	.12	.10	.09	
538-38002-1459	38002-1459	7631	I	Hole mount jumper (76000)	.14	.13	.12	
538-38002-1461	38002-1461	7632	J	Slotted jumper (76000)	.16	.12	.11	
538-38002-0185	38002-0185	1431	I	Hole mount jumper (77000)	.15	.14	.13	
538-38002-0188	38002-0188	1432	J	Slotted jumper (77000)	.14	.11	.10	

For Series 78000 - (.438")

For quantities of 200 and up, call for qu

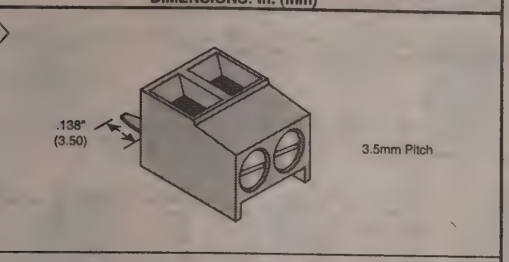
538-38002-0304	38002-0304	181	F	One-sided solder terminal	.14	.13	.12	
538-38002-0255	38002-0255	182	G	Two-sided solder terminal	.16	.15	.14	
538-38002-0257	38002-0257	183	H	Short solder bottom terminal	.15	.12	.11	
538-38002-0331	38002-0331	1831	I	Hole mount jumper	.14	.12	.11	
538-38002-0333	38002-0333	1832	J	Slotted jumper	.14	.13	.12	

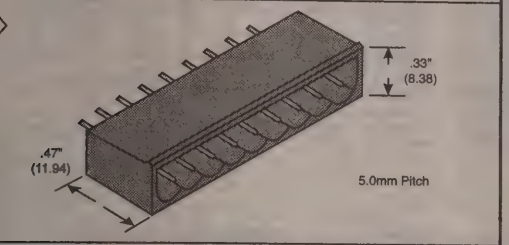
For Series 21000 - (.563")

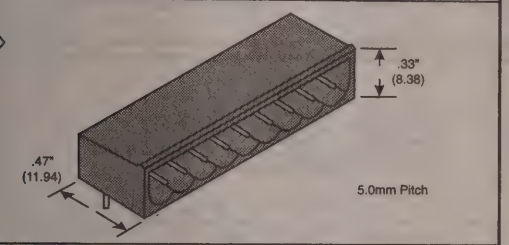
For quantities of 200 and up, call for qu

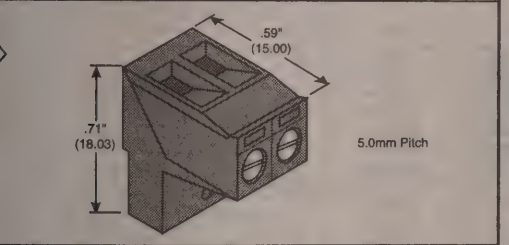
538-38002-0321	38002-0321	211	F	One-sided solder terminal	.19	.18	.17	
538-38002-0323	38002-0323	212	G	Two-sided solder terminal	.19	.18	.17	
538-38002-0325	38002-0325	213	H	Short solder bottom terminal	.19	.18	.17	
538-38002-0358	38002-0358	2131	I	Hole mount jumper	.19	.18	.17	
538-38002-0442	38002-0442	2132	J	Slotted jumper	.19	.18	.17	

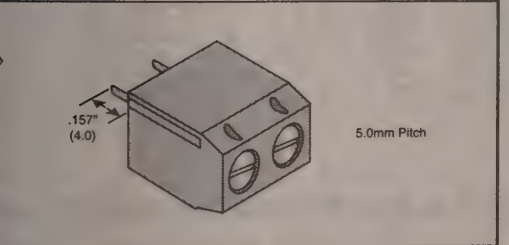
DIMENSIONS: In. (mm)

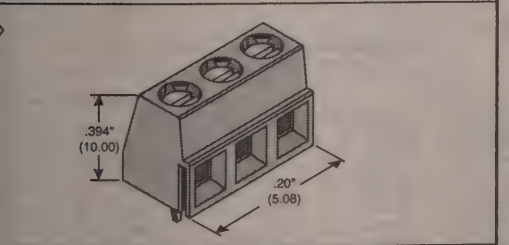


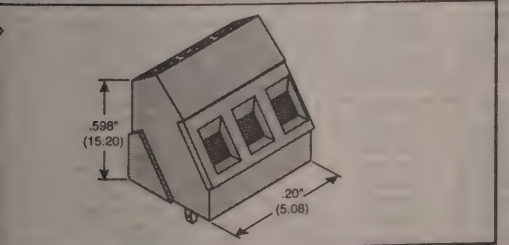












EUROSTYLE 3.5MM FIXED PCB TERMINAL BLOCKS

This series, rising cage pressure clamp terminal block features high pitch density, low profile and small footprint making the product useful in tight applications. Smallest terminal block, it has a dovetail construction, allowing several blocks to be assembled into a larger size.

Features:

- Insulator: Polyamide, UL94V-0, black
- Terminal: Brass, tin plated
- Clamp: Brass, nickel plated
- Screws: M2 bronze, nickel plated
- Operating Temp: -30° to +85°C
- Wire Range: 16 to 28 AWG
- Voltage: 300 V
- Rating: UL and CSA-Class B: 12A @ 300V
- Screw rising cage clamp
- Current: 17.5A Max.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	25	50	100
538-39357-0002	39357-0002	A	2	.42	.40	.37	.28
538-39357-0003	39357-0003	A	3	.42	.40	.37	.28

EUROSTYLE 5.0MM PLUGGABLE PCB HEADERS

Features:

- Insulator: Nylon 6.6, UL94V-0, black
- Header pins: Brass, tin plated
- Intermateable with competitive 5.0mm pluggable terminal blocks
- Rating: UL and CSA-Class B: 15Amps@300V UL: Class C: 10Amps@ 300V
- Closed ends

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each			
					1	25	50	100
Vertical								
538-39870-0509	39870-0509	871609	B	9	1.52	1.37	1.30	1.22
538-39870-0512	39870-0512	871612	B	12	2.04	1.84	1.74	1.64
Right-Angle								
538-39870-0703	39870-0703	871903	C	3	.62	.56	.53	.50
538-39870-0704	39870-0704	871904	C	4	.56	.51	.48	.46
538-39870-0705	39870-0705	871905	C	5	.86	.78	.74	.69
538-39870-0707	39870-0707	871907	C	7	1.00	.90	.85	.80
538-39870-0708	39870-0708	871908	C	8	1.67	1.50	1.42	1.34
538-39870-0712	39870-0712	871912	C	12	1.70	1.52	1.44	1.35

EUROSTYLE 5.0MM PLUGGABLE PCB TERMINAL BLOCKS

These terminal blocks for PC boards are a two piece plug and header system that are polarized with the industry standard scalloped design. They offer the convenience of pluggability and superior reliability of rising cage pressure clamps for securing wires.

Features:

- Insulator: Polyamide, UL94V-0, black
- Pressure clamp: Brass, nickel plated
- Contacts: Phosphor bronze, tin plated
- Rising cage clamp
- Mounted Height: 15mm
- Header pins: Brass, tin plated
- Screws: 2.5mm, steel, zinc chromate plated
- Wire Range: 12 to 26 AWG
- Wire entry angle: 180°
- Rating: UL and CSA, Class B: 15Amps@300V, 12 AWG UL: Class C: 10Amps@ 300V, 12 AWG

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each			
					1	25	50	100
538-39870-0102	39870-0102	870502	D	2	.72	.65	.62	.58
538-39870-0103	39870-0103	870503	D	3	1.08	.98	.92	.87
538-39870-0104	39870-0104	870504	D	4	1.45	1.31	1.23	1.16
538-39870-0105	39870-0105	870505	D	5	1.81	1.63	1.54	1.45
538-39870-0108	39870-0108	870508	D	8	2.87	2.58	2.44	2.30
538-39870-0109	39870-0109	870509	D	9	3.23	2.91	2.75	2.59

EUROSTYLE 5.0MM ECONOMY SCREW TERMINAL BLOCKS

This series, screw terminal block features a modular, snap together design. The low profile and small footprint make the product useful in tight applications.

Features:

- Insulator: Polyamide, UL94V-0, gray
- Terminal: Brass, tin plated
- Wire Protector: Phosphor bronze, tin plated
- Screws: Steel, zinc chromate plated
- Operating Temp: -55° to +85°C
- Wire Range: 14 to 24 AWG
- Rating: UL Class B: 15Amps@250V Class C: 10Amps@ 300V CSA: 15Amps@ 300V

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	25	50	100
538-39890-0302	39890-0302	E	2	.43	.41	.38	.29
538-39890-0303	39890-0303	E	3	.67	.64	.60	.47

EUROSTYLE 5.08MM LOW PROFILE PCB TERMINAL BLOCKS

NEW PRODUCT

Features:

- Insulator: Polyamide, UL94V-0, black
- Terminal: Copper Alloy, tin plated
- Wire Range: 14 to 30 AWG
- Screws: 3mm Copper Alloy
- Operating Temp: 110°C
- Voltage: 250V
- Maximum Current: 13.5A

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	25	50	100
538-39880-0302	39880-0302	F	2	.42	.40	.37	.28
538-39880-0303	39880-0303	F	3	.66	.63	.59	.46

EUROSTYLE 5.08MM 35° ENTRY LOW PROFILE PCB TERMINAL BLOCKS

NEW PRODUCT

Features:

- Insulator: Polyamide, UL94V-0, black
- Terminal: Copper Alloy, tin plated
- Wire Range: 12 to 30 AWG
- Screws: 3mm Copper Alloy
- Operating Temp: 110°C
- Voltage: 250V
- Maximum Current: 17.5A

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	25	50	100
538-39880-0402	39880-0402	G	2	.45	.43	.40	.31
538-39880-0403	39880-0403	G	3	.70	.67	.63	.50

MOLEX Eurostyle Terminal Blocks (5.08mm)

EUROSTYLE 5.08MM SINGLE-PIECE (FIXED) BLOCKS

This series is a single piece style for permanent mounting to PC boards. They offer the superior reliability of rising cage pressure clamps for securing wires. The product features a closed bottom design to prevent solder wicking.

Features:
- Insulator: Polyamide, UL94V-0, black
- Pressure Clamp: Brass, nickel plated
- Contacts: Phosphor bronze, hot tin dip
- Screws: Steel, zinc chromate plated
- Wire Range: 12 to 26 AWG
- Single piece (fixed)
- Rating: UL Class B: 20Amps@300V
  UL Class C: 10Amps@ 300V
  CSA: 15Amps@ 300V

For quantities of 200 and up, call for q

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each 1	25	50	1
538-39880-0102	39880-0102	880502	A	2	.70	.64	.58	
538-39880-0103	39880-0103	880503	A	3	1.04	.92	.84	
538-39880-0104	39880-0104	880504	A	4	1.24	1.16	1.02	
538-39880-0105	39880-0105	880505	A	5	1.80	1.60	1.45	1
538-39880-0106	39880-0106	880506	A	6	2.11	1.81	1.44	1
538-39880-0108	39880-0108	880508	A	8	2.63	2.39	1.91	1
538-39880-0110	39880-0110	880510	A	10	3.41	3.14	2.87	2

EUROSTYLE 5.08MM PLUGGABLE PCB TERMINAL BLOCKS

These terminal blocks for PC boards are a two piece plug and header system that are polarized with the industry standard scallope design. They offer the convenience of pluggability and superior reliability of rising cage pressure clamps for securing wires.

Features:
- Insulator: Polyamide, UL94V-0, black
- Pressure clamp: Brass, nickel plated
- Contacts: Phosphor bronze, tin plated
- Header pins: Brass, tin plated
- Pluggable
- Screws: 2.5mm, steel, zinc chromate plated
- Wire Range: 12 to 26 AWG
- Rating: UL and CSA-Class B: 15Amps@300V12AWG
  UL-Class C: 10Amps@ 300V 12AWG

For quantities of 200 and up, call for q

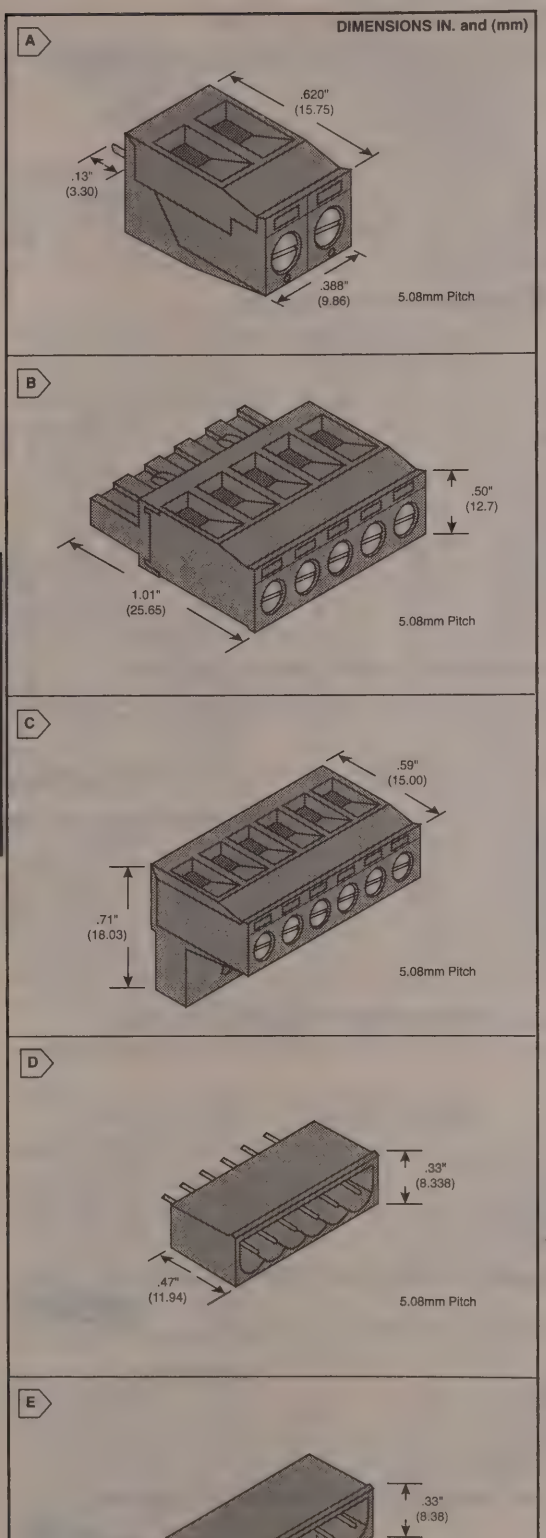
MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each 1	25	50	1
Vertical								
538-39860-0202	39860-0202	860802	B	2	1.29	1.23	1.15	
538-39860-0203	39860-0203	860803	B	3	1.95	1.69	1.36	1
538-39860-0204	39860-0204	860804	B	4	2.58	2.45	2.30	1
538-39860-0205	39860-0205	860805	B	5	3.14	2.81	2.25	1
538-39860-0206	39860-0206	860806	B	6	3.74	3.55	3.34	2
538-39860-0208	39860-0208	860808	B	8	5.02	4.46	3.58	3
538-39860-0210	39860-0210	860810	B	10	6.27	5.32	4.27	3
Right-Angle								
538-39860-0102	39860-0102	860502	C	2	1.07	.91	.73	
538-39860-0103	39860-0103	860503	C	3	1.61	1.40	1.12	
538-39860-0104	39860-0104	860504	C	4	2.03	1.86	1.49	1
538-39860-0105	39860-0105	860505	C	5	2.55	2.45	2.00	1
538-39860-0106	39860-0106	860506	C	6	3.08	2.58	2.35	2
538-39860-0108	39860-0108	860508	C	8	4.05	3.41	3.16	2
538-39860-0110	39860-0110	860510	C	10	5.05	4.26	3.96	3
538-39860-0112	39860-0112	860512	C	12	6.06	5.84	5.11	4

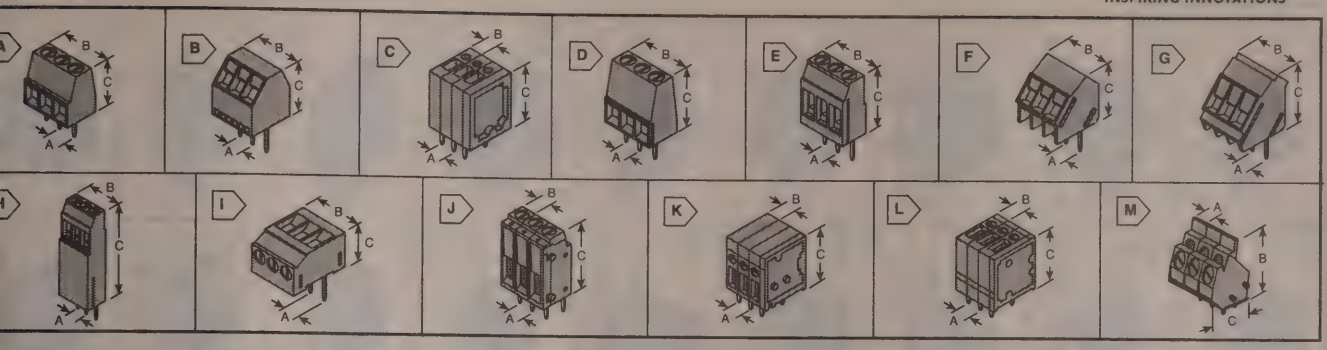
EUROSTYLE 5.08MM PLUGGABLE PCB HEADERS - CLOSED ENDS

Features:
- Insulator: Nylon 6.6, UL94V-0, black
- Header pins: Brass, tin plated
- Pluggable
- Rating: UL and CSA-Class B: 15Amps@300V
  UL: Class C: 10Amps@ 300V
- Closed Ends

For quantities of 200 and up, call for q

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each 1	25	50	1
Vertical								
538-39860-0502	39860-0502	861602	D	2	.41	.39	.36	
538-39860-0503	39860-0503	861603	D	3	.62	.60	.56	
538-39860-0504	39860-0504	861604	D	4	.86	.82	.77	
538-39860-0505	39860-0505	861605	D	5	1.05	.99	.93	
538-39860-0506	39860-0506	861606	D	6	1.08	.98	.90	
538-39860-0508	39860-0508	861608	D	8	1.65	1.42	1.19	1
538-39860-0510	39860-0510	861610	D	10	2.09	1.99	1.87	1
538-39860-0512	39860-0512	861612	D	12	2.33	2.23	1.97	1
Right-Angle								
538-39860-0702	39860-0702	861902	E	2	.41	.36	.31	
538-39860-0703	39860-0703	861903	E	3	.62	.56	.51	
538-39860-0704	39860-0704	861904	E	4	.83	.77	.69	
538-39860-0705	39860-0705	861905	E	5	1.05	.95	.83	
538-39860-0706	39860-0706	861906	E	6	1.22	1.12	1.02	
538-39860-0708	39860-0708	861908	E	8	1.65	1.48	1.35	1
538-39860-0710	39860-0710	861910	E	10	2.09	1.99	1.87	1
538-39860-0712	39860-0712	861912	E	12	2.50	2.38	2.23	1





IE PIECE DESIGN W/ SCREW CLAMP TERMINATION

gle Level, Through-Hole Solder Mounting

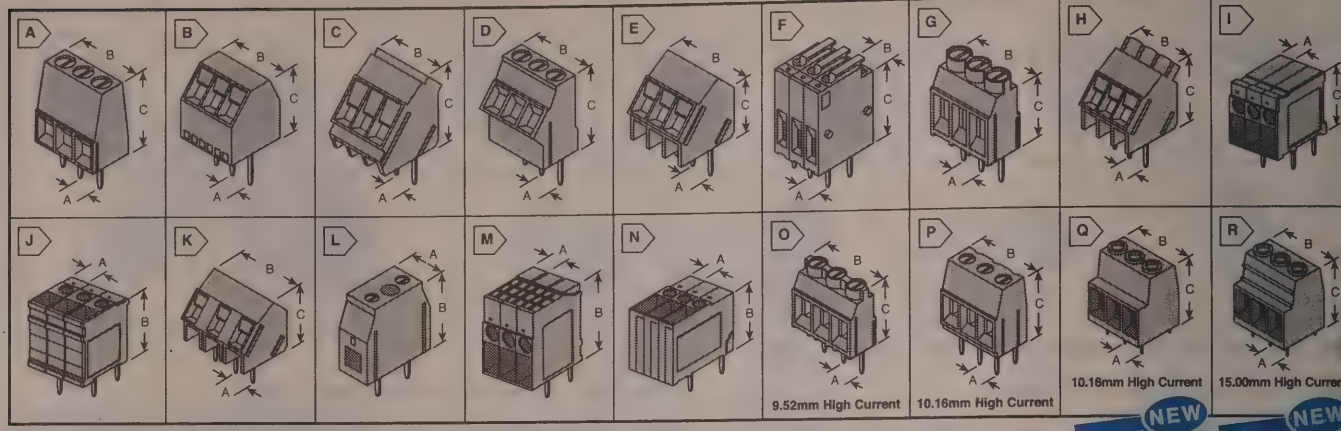
For quantities of 100 and up, call for quote.

SER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm.) A	B	C	Price Each 1	10	50
mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
125V @ 6A, 30-20 AWG, Green Color									
—1725656	A	MPT 0.5/2-2.54	2	2.54	5.54	8.5	1.08	1.00	.80
—1725669	A	MPT 0.5/3-2.54	3	2.54	8.08	8.5	1.62	1.50	1.20
—1725672	A	MPT 0.5/4-2.54	4	2.54	10.62	8.5	2.16	2.00	1.60
—1725685	A	MPT 0.5/5-2.54	5	2.54	13.16	8.5	2.70	2.50	2.00
—1725698	A	MPT 0.5/6-2.54	6	2.54	15.7	8.5	3.24	3.00	2.40
—1725708	A	MPT 0.5/7-2.54	7	2.54	18.24	8.5	3.78	3.50	2.80
—1725711	A	MPT 0.5/8-2.54	8	2.54	20.78	8.5	4.32	4.00	3.20
—1725724	A	MPT 0.5/9-2.54	9	2.54	23.32	8.5	4.86	4.50	3.60
—1725737	A	MPT 0.5/10-2.54	10	2.54	25.86	8.5	5.40	5.00	4.00
—1725740	A	MPT 0.5/11-2.54	11	2.54	28.4	8.5	5.94	5.50	4.40
—1725753	A	MPT 0.5/12-2.54	12	2.54	30.94	8.5	6.48	6.00	4.80
m PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
300V @ 10A, 30-16 AWG, Green Color									
—1751248	A	MKDS 1/2-3.5	2	3.5	7.5	8.5	.86	.80	.64
—1751251	A	MKDS 1/3-3.5	3	3.5	11	8.5	1.30	1.20	.96
—1751264	A	MKDS 1/4-3.5	4	3.5	14.5	8.5	1.73	1.60	1.28
—1751277	A	MKDS 1/5-3.5	5	3.5	18	8.5	2.15	1.99	1.59
—1751280	A	MKDS 1/6-3.5	6	3.5	21.5	8.5	2.59	2.40	1.92
—1751293	A	MKDS 1/7-3.5	7	3.5	25	8.5	3.01	2.79	2.23
—1751303	A	MKDS 1/8-3.5	8	3.5	28.5	8.5	3.44	3.19	2.55
—1751316	A	MKDS 1/9-3.5	9	3.5	32	8.5	3.89	3.60	2.88
—1751329	A	MKDS 1/10-3.5	10	3.5	35.5	8.5	4.31	3.99	3.19
—1751332	A	MKDS 1/11-3.5	11	3.5	39	8.5	4.74	4.39	3.51
—1751345	A	MKDS 1/12-3.5	12	3.5	42.5	8.5	5.18	4.80	3.84
m PCB Terminal Blocks - 55° Wire-to-Pin Orientation									
300V @ 10A, 30-16 AWG, Green Color									
—1751099	B	SMKDS 1/2-3.5	2	3.5	7.5	9.5	.99	.91	.73
—1751109	B	SMKDS 1/3-3.5	3	3.5	11	9.5	1.47	1.36	1.09
—1751112	B	SMKDS 1/4-3.5	4	3.5	14.5	9.5	1.93	1.79	1.43
—1751154	B	SMKDS 1/8-3.5	8	3.5	28.5	9.5	3.89	3.60	2.88
mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
300V @ 10A, 30-16 AWG, Green Color									
—1727010	A	MKDS 1/2-3.81	2	3.81	7.61	8.5	.86	.80	.64
—1727023	A	MKDS 1/3-3.81	3	3.81	11.42	8.5	1.30	1.20	.96
—1727036	A	MKDS 1/4-3.81	4	3.81	15.23	8.5	1.73	1.60	1.28
—1727049	A	MKDS 1/5-3.81	5	3.81	19.04	8.5	2.15	1.99	1.59
—1727052	A	MKDS 1/6-3.81	6	3.81	22.85	8.5	2.59	2.40	1.92
—1727065	A	MKDS 1/7-3.81	7	3.81	26.66	8.5	3.01	2.79	2.23
—1727078	A	MKDS 1/8-3.81	8	3.81	30.47	8.5	3.44	3.19	2.55
—1727081	A	MKDS 1/9-3.81	9	3.81	34.28	8.5	3.89	3.60	2.88
—1727094	A	MKDS 1/10-3.81	10	3.81	38.09	8.5	4.31	3.99	3.19
—1727104	A	MKDS 1/11-3.81	11	3.81	41.9	8.5	4.74	4.39	3.51
—1727117	A	MKDS 1/12-3.81	12	3.81	45.71	8.5	5.18	4.80	3.84
mm PCB Terminal Blocks - 55° Wire-to-Pin Orientation									
300V @ 10A, 30-16 AWG, Green Color									
—1728284	B	SMKDS 1/2-3.81	2	3.81	7.61	9.5	.96	.89	.71
—1728297	B	SMKDS 1/3-3.81	3	3.81	11.42	9.5	1.47	1.36	1.09
—1728307	B	SMKDS 1/4-3.81	4	3.81	15.23	9.5	1.89	1.75	1.40
—1728323	B	SMKDS 1/6-3.81	6	3.81	22.85	9.5	2.85	2.64	2.11
—1728349	B	SMKDS 1/8-3.81	8	3.81	30.47	9.5	3.89	3.60	2.88
—1728352	B	SMKDS 1/9-3.81	9	3.81	34.28	9.5	4.28	3.96	3.17
—1728365	B	SMKDS 1/10-3.81	10	3.81	38.09	9.5	4.83	4.48	3.58
—1728378	B	SMKDS 1/11-3.81	11	3.81	41.9	9.5	5.22	4.84	3.87
—1728381	B	SMKDS 1/12-3.81	12	3.81	45.71	9.5	5.82	5.39	4.31
mm PCB Single Terminal Blocks - Vertical Wire to Pin Orientation, Front Connection									
300V @ 10A, 28-14 AWG, Green Color									
—1707742	C	FRONT 1.5-V-3.81	1	3.81	3.81	15.3	1.66	1.54	1.23
—1707755	-	D-FRONT 1.5-V	Required End Cover				.34	.31	.25
PCB Reduced Height Terminal Blocks - 90° Wire-to-Pin Orientation									
300V @ 10A, 30-14 AWG, Green Color									
—1729018	D	MKDSN 1.5/2	2	5	10	10	.73	.68	.54
—1729021	D	MKDSN 1.5/3	3	5	15	10	1.11	1.03	.82
—1729034	D	MKDSN 1.5/4	4	5	20	10	1.47	1.36	1.09
—1729047	D	MKDSN 1.5/5	5	5	25	10	1.84	1.70	1.36
—1729050	D	MKDSN 1.5/6	6	5	30	10	2.20	2.04	1.63
—1729063	D	MKDSN 1.5/7	7	5	35	10	2.58	2.39	1.91
—1729076	D	MKDSN 1.5/8	8	5	40	10	2.93	2.71	2.17
—1729089	D	MKDSN 1.5/9	9	5	45	10	3.31	3.06	2.45

Single Level, Through-Hole Solder Mounting (cont.)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm.) A	B	C	Price Each 1	10	50
5mm PCB Reduced Height Terminal Blocks - 90° Wire-to-Pin Orientation (cont.)									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1729092	D	MKDSN 1.5/10	10	5	50	10	3.67	3.40	2.72
651—1729102	D	MKDSN 1.5/11	11	5	55	10	4.04	3.74	2.99
651—1729115	D	MKDSN 1.5/12	12	5	60	10	4.40	4.08	3.26
5mm PCB Reduced Height Terminal Blocks - 55° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1869062	B	SMKDSN 1.5/2	2	5	11	11	.85	.79	.63
651—1869075	B	SMKDSN 1.5/3	3	5	16	11	1.28	1.19	.95
651—1869088	B	SMKDSN 1.5/4	4	5	21	11	1.70	1.58	1.26
651—1869091	B	SMKDSN 1.5/5	5	5	26	11	2.12	1.96	1.57
651—1869101	B	SMKDSN 1.5/6	6	5	31	11	2.55	2.36	1.89
651—1869114	B	SMKDSN 1.5/7	7	5	36	11	2.98	2.76	2.21
651—1869127	B	SMKDSN 1.5/8	8	5	41	11	3.40	3.15	2.52
651—1869143	B	SMKDSN 1.5/10	10	5	46	11	4.27	3.95	3.16
5mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1715022	D	MKDS 1.5/2	2	5	10	13.8	.86	.80	.64
651—1715035	D	MKDS 1.5/3	3	5	15	13.8	1.31	1.21	.97
651—1715048	D	MKDS 1.5/4	4	5	20	13.8	1.76	1.63	1.30
651—1715080	D	MKDS 1.5/8	8	5	40	13.8	3.48	3.23	2.58
651—1715129	D	MKDS 1.5/12	12	5	60	13.8	5.24	4.85	3.88
5mm PCB Reduced Height Terminal Blocks - 90° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-12 AWG, Green Color									
651—1890963	D	MKDSN 2.5/2	2	5	10	15	.78	.73	.58
651—1890976	D	MKDSN 2.5/3	3	5	15	15	1.17	1.09	.87
651—1890989	D	MKDSN 2.5/4	4	5	20	15	1.57	1.45	1.16
5mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-12 AWG, Green Color									
651—1711026	E	MKDS 3/2	2	5	10	18	1.38	1.28	1.02
651—1711039	E	MKDS 3/3	3	5	15	18	2.07	1.91	1.53
651—1711042	E	MKDS 3/4	4	5	20	18	2.75	2.55	2.04
651—1711084	E	MKDS 3/8	8	5	40	18	5.49	5.09	4.07
651—1711123	E	MKDS 3/12	12	5	60	18	8.25	7.64	6.11
5mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation with Test Connection									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1733415	F	SMKDSP 1.5/2	2	5	10	15.3	.90	.84	.67
651—1733428	F	SMKDSP 1.5/3	3	5	15	15.3	1.36	1.26	1.01
651—1733431	F	SMKDSP 1.5/4	4	5	20	15.3	1.86	1.73	1.38
651—1733444	F	SMKDSP 1.5/5	5	5	25	15.3	2.27	2.10	1.68
651—1733457	F	SMKDSP 1.5/6	6	5	30	15.3	2.73	2.53	2.02
651—1733473	F	SMKDSP 1.5/8	8	5	40	15.3	3.63	3.36	2.69
5mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1713024	G	SMKDS 3/2	2	5	10	18	1.30	1.21	1.10
651—1713037	G	SMKDS 3/3	3	5	15	18	2.25	2.09	1.67
5mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation, Tall Design									
UL: 300V @ 15A, 30-12 AWG, Green Color									
651—1721045	H	MKKDSH 3/2	2	5	10	31.5	2.46	2.28	1.82
651—1721346	H	MKKDSH 3/3	3	5	15	31.5	3.69	3.42	2.73
5mm PCB Terminal Blocks - Vertical Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1717091	I	MKDSFW 1.5/2	2	5	10	11.2	2.13	1.98	1.58
651—1717088	I	MKDSFW 1.5/3	3	5	15	11.2	3.16	2.93	2.34
5mm PCB Single Terminal Blocks - 90° Wire-to-Pin Orientation									
UL: 300V @ 15A, 30-12 AWG, Green Color									
651—1705016	J	KDS 2.5	1	5	5	18	1.63	1.51	1.21
5mm PCB Single Terminal Blocks - 90° Wire to Pin Orientation, Front Connection									
UL: 300V @ 10A, 30-12 AWG, Green Color									
651—1700008	K	FRONT 2.5-H/SA 5	1	5	5	18.5	1.54	1.43	1.14
651—1700040	K	FRONT 2.5-H/SA 10	1	5	5	18.5	1.54	1.43	1.14
651—1700024	-	D-FRONT 2.5-H	Required End Cover				.34	.31	.25
5mm PCB Single Terminal Blocks - Vertical Wire to Pin Orientation, Front Connection									
UL: 300V @ 10A, 30-12 AWG, Green Color									
651—1700037	L	FRONT 2.5-V/SA 5	1	5	5	19.5	1.54	1.43	1.14
651—1700053	L	FRONT 2.5-V/SA 10	1	5	5	19.5	1.58	1.46	1.17
651—1700011	-	D-FRONT 2.5-V	Required End Cover				.34	.31	.25
5mm PCB Single Terminal Blocks - Panel Feed-Through									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1740000	M	DMKDS 2.5	1	5	20	28	1.97	1.83	1.46



ONE PIECE DESIGN W/ SCREW CLAMP TERMINATION

Single Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

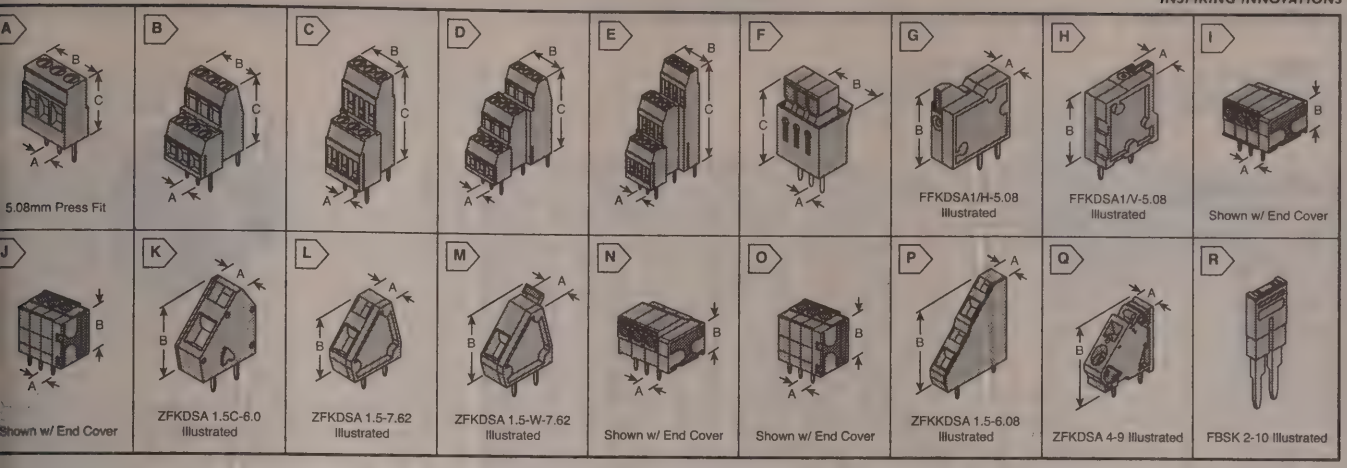
MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm.)			Price Each		
Mfr. Mfr. Part No.				A	B	C	1	10	50
5.08mm PCB Reduced Height Terminal Blocks - 90° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1729128	A	MKDSN 1.5/2-5.08	2	5.08	10.16	10	.73	.68	.54
651—1729131	A	MKDSN 1.5/3-5.08	3	5.08	15.24	10	1.11	1.03	.82
651—1729144	A	MKDSN 1.5/4-5.08	4	5.08	20.32	10	1.47	1.36	1.09
651—1729157	A	MKDSN 1.5/5-5.08	5	5.08	25.4	10	1.84	1.70	1.36
651—1729160	A	MKDSN 1.5/6-5.08	6	5.08	30.48	10	2.20	2.04	1.63
651—1729173	A	MKDSN 1.5/7-5.08	7	5.08	35.56	10	2.58	2.39	1.91
651—1729186	A	MKDSN 1.5/8-5.08	8	5.08	40.64	10	2.93	2.71	2.17
651—1729199	A	MKDSN 1.5/9-5.08	9	5.08	45.72	10	3.31	3.06	2.45
651—1729209	A	MKDSN 1.5/10-5.08	10	5.08	50.8	10	3.67	3.40	2.72
651—1729212	A	MKDSN 1.5/11-5.08	11	5.08	55.88	10	4.04	3.74	2.99
651—1729225	A	MKDSN 1.5/12-5.08	12	5.08	60.96	10	4.40	4.08	3.26
5.08mm PCB Reduced Height Terminal Blocks - 145° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1869211	B	SMKDSN 1.5/2-5.08	2	5.08	11.16	11	.85	.79	.63
651—1869224	B	SMKDSN 1.5/3-5.08	3	5.08	16.24	11	1.28	1.19	.95
651—1869237	B	SMKDSN 1.5/4-5.08	4	5.08	21.32	11	1.70	1.58	1.26
651—1869240	B	SMKDSN 1.5/5-5.08	5	5.08	26.4	11	2.12	1.96	1.57
651—1869253	B	SMKDSN 1.5/6-5.08	6	5.08	31.48	11	2.55	2.36	1.89
651—1869266	B	SMKDSN 1.5/7-5.08	7	5.08	36.56	11	2.98	2.76	2.21
651—1869279	B	SMKDSN 1.5/8-5.08	8	5.08	41.64	11	3.40	3.15	2.52
651—1869282	B	SMKDSN 1.5/9-5.08	9	5.08	46.72	11	3.83	3.55	2.84
651—1869295	B	SMKDSN 1.5/10-5.08	10	5.08	51.8	11	4.27	3.95	3.16
5.08mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1715721	A	MKDS 1.5/2-5.08	2	5.08	10.16	13.8	.86	.80	.64
651—1715734	A	MKDS 1.5/3-5.08	3	5.08	15.24	13.8	1.31	1.21	.97
651—1715747	A	MKDS 1.5/4-5.08	4	5.08	20.32	13.8	1.76	1.63	1.30
651—1715789	A	MKDS 1.5/8-5.08	8	5.08	40.64	13.8	3.48	3.23	2.58
651—1715802	A	MKDS 1.5/10-5.08	10	5.08	50.8	13.8	4.36	4.04	3.23
651—1715828	A	MKDS 1.5/12-5.08	12	5.08	60.96	13.8	5.24	4.85	3.88
5.08mm PCB Reduced Height Terminal Blocks - 90° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-12 AWG, Green Color									
651—1888687	A	MKDSN 2.5/2-5.08	2	5.08	10.16	15	.78	.73	.58
651—1888690	A	MKDSN 2.5/3-5.08	3	5.08	15.24	15	1.17	1.09	.87
651—1888700	A	MKDSN 2.5/4-5.08	4	5.08	20.32	15	1.57	1.45	1.16
5.08mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-12 AWG, Green Color									
651—1711725	A	MKDS 3/2-5.08	2	5.08	10.16	18	1.38	1.28	1.02
651—1711738	A	MKDS 3/3-5.08	3	5.08	15.24	18	2.07	1.91	1.53
5.08mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1713723	C	SMKDS 3/2-5.08	2	5.08	10.16	18	1.49	1.38	1.10
651—1713736	C	SMKDS 3/3-5.08	3	5.08	15.24	18	2.21	2.05	1.64
5.08mm PCB Terminal Blocks - 40° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1705469	D	SMKDS 2.5/2-5.08	2	5.08	10.16	19.4	1.44	1.34	1.07
651—1705472	D	SMKDS 2.5/3-5.08	3	5.08	15.24	19.4	2.15	1.99	1.59
5.08mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation with Test Connection									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1733570	E	SMKDS 1.5/2-5.08	2	5.08	10.16	15.3	.90	.84	.67
651—1733583	E	SMKDSP 1.5/3-5.08	3	5.08	15.24	15.3	1.36	1.26	1.01
651—1733596	E	SMKDSP 1.5/4-5.08	4	5.08	20.32	15.3	1.82	1.69	1.35
651—1733606	E	SMKDSP 1.5/5-5.08	5	5.08	25.4	15.3	2.34	2.16	1.73
651—1733619	E	SMKDSP 1.5/6-5.08	6	5.08	30.48	15.3	2.79	2.59	2.07
651—1733622	E	SMKDSP 1.5/7-5.08	7	5.08	35.56	15.3	3.25	3.01	2.41
651—1733635	E	SMKDSP 1.5/8-5.08	8	5.08	40.64	15.3	3.59	3.16	2.76
651—1733651	E	SMKDSP 1.5/10-5.08	10	5.08	50.8	15.3	4.54	4.20	3.36
5.08mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation, Knife Disconnect									
UL: 300V @ 15A, 28-12 AWG, Green Color									
651—1780015	F	KDS 3-MT	1	5.08	5.08	24.8	3.97	3.68	2.94

PRODUCT NEW

Single Level, Through-Hole Solder Mounting (cont.)

For quantities of 100 and up, call for quo

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm.)			Price Each		
Mfr. Mfr. Part No.				A	B	C	1	10	50
6.35mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
UL: 150V @ 15A and 300V @ 10A, 30-12 AWG, Green Color									
651—1714955	G	MKDS 5/2-6.35	2	6.35	12.69	21.5	1.38	1.28	1.0
651—1714968	G	MKDS 5/3-6.35	3	6.35	19.04	21.5	1.94	1.80	1.4
6.35mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation									
UL: 300V @ 30A, 30-10 AWG, Green Color									
651—1720033	H	SMKDS 5/2-6.35	2	6.35	12.69	21.5	1.42	1.31	1.0
651—1720046	H	SMKDS 5/3-6.35	3	6.35	19.05	21.5	2.21	2.05	1.6
6.35MM PCB Single Terminal Blocks - Front Connection									
UL: 300V @ 30A, 22-10 AWG, Green Color									
651—1703050	I	FRONT 4-H-6.35	1	6.35	26	- - -	3.15	2.91	2.3
651—1703063	J	FRONT 4-V-6.35	1	6.35	26	- - -	3.06	2.84	2.2
651—1703076	-	D-FRONT 4-6.35	Required End Cover				.43	.40	.3
7.5mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1717020	A	GMKDS 1.5/2	2	7.5	15	13.8	1.85	1.71	1.3
651—1717033	A	GMKDS 1.5/3	3	7.5	22.5	13.8	2.74	2.54	2.0
7.5mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1718029	K	GSMKDSP 1.5/2	2	7.5	15	15.3	1.92	1.78	1.4
651—1718032	K	GSMKDSP 1.5/3	3	7.5	22.5	15.3	2.74	2.54	2.0
7.5mm PCB Single Terminal Blocks - 90° Wire-to-Pin Orientation, Feed-Through									
UL: 300V @ 30A, 30-10 AWG, Green Color									
651—1780507	L	KDS 4	1	7.5	18	- - -	2.45	2.25	2.0
7.62mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1717729	A	GMKDS 1.5/2-7.62	2	7.62	15.24	13.8	1.85	1.71	1.3
651—1717732	A	GMKDS 1.5/3-7.62	3	7.62	22.86	13.8	2.81	2.60	2.0
7.62mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation									
UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1718728	K	GSMKDSP 1.5/2-7.62	2	7.62	15.24	15.3	1.82	1.69	1.3
651—1718731	K	GSMKDSP 1.5/3-7.62	3	7.62	22.86	15.3	2.74	2.54	2.0
7.62mm PCB Single Terminal Blocks - Front Connection									
UL: 300V @ 30A, 24-10 AWG, Green Color									
651—1703034	M	FRONT 4-H-7.62	1	7.62	28.4	- - -	3.10	2.88	2.3
651—1703021	N	FRONT 4-V-7.62	1	7.62	26	- - -	3.13	2.90	2.3
9.52mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
UL: 300V @ 30A and 600V @ 5A, 30-12 AWG, Green Color									
651—1714971	O	MKDS 5/2-9.5	2	9.52	19.04	21.5	1.38	1.28	1.0
651—1714984	O	MKDS 5/3-9.5	3	9.52	28.56	21.5	2.04	1.89	1.5
9.52mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation with Offset Pins									
UL: 600V @ 30A, 30-10 AWG, Green Color									
651—1907432	O	MKDS 5 HV/2-9.52-Z	2	9.52	19.04	21.5	1.42	1.31	1.0
651—1907429	O	MKDS 5 HV/3-9.52-Z	3	9.52	28.56	21.5	2.08	1.93	1.5
10.16mm PCB Terminal Blocks- 90° Wire-to-Pin Orientation									
UL: 300V @ 57A, 20-6 AWG, Green Color									
651—1706785	P	MKDSP 10/2-10.16	2	10.16	20.32	29.30	5.91	5.43	5.1
651—1706798	P	MKDSP 10/3-10.16	3	10.16	30.48	29.30	8.25	7.59	7.2
651—1929517	Q	MKDSP 10HV/2-10.16	2	10.16	20.32	30.80	6.14	5.75	5.4
651—1929520	Q	MKDSP 10HV/3-10.16	3	10.16	30.48	30.80	9.13	8.49	8.0
15.00mm PCB Terminal Blocks- 90° Wire-to-Pin Orientation									
UL: 600V @ 125A, 20-2AWG, Green Color									
651—1932588	R	MKDSP 25/2-15.00	2	15.00	30.00	39.00	7.59	6.84	6.1
651—1932591	R	MKDSP 25/3-15.00	3	15.00	45.00	39.00	11.39	10.27	9.2
651—1932601	R	MKDSP 25/4-15.00	4	15.00	60.00	39.00	15.54	13.97	12.4
651—1932614	R	MKDSP 25/5-15.00	5	15.00	75.00	39.00	18.98	17.11	15.4
651—1932627	R	MKDSP 25/6-15.00	6	15.00	90.00	39.00	22.78	20.95	19.8
651—1932630	R	MKDSP 25/7-15.00	7	15.00	105.00	39.00	26.61	23.96	21.5
651—1932643	R	MKDSP 25/8-15.00	8	15.00	120.00	39.00	30.39	27.38	24.6
651—1932656	R	MKDSP 25/9-15.00	9	15.00	135.00	39.00	34.21	30.81	27.7



NE PIECE DESIGN W/ SCREW CLAMP TERMINATION

ngle Level, Press-Fit Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / fr. Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm.) A	B	C	Price Each 1	10	50
.08mm Press-Fit PCB Terminal Blocks- 90° Wire-to-Pin Orientation									
L: 300V @ 10A, 30-12AWG, Green Color									
51—1730612	A	EMKDS 2.5/2-5.08	2	5.08	11.34	18.00	1.58	1.46	1.17
51—1730638	A	EMKDS 2.5/4-5.08	4	5.08	21.50	18.00	3.17	2.94	2.35
51—1730641	A	EMKDS 2.5/5-5.08	5	5.08	26.58	18.00	3.96	3.66	2.93
51—1730654	A	EMKDS 2.5/6-5.08	6	5.08	31.66	18.00	4.75	4.40	3.52

ulti-Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

.81mm Double Level PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
L: 300V @ 10A, 30-16 AWG, Green Color									
51—1708026	B	MKKDS 1/2-3.81	2	3.81	7.62	16.2	2.69	2.49	1.99
51—1708039	B	MKKDS 1/3-3.81	3	3.81	11.43	16.2	4.02	3.73	2.98
51—1708042	B	MKKDS 1/4-3.81	4	3.81	15.24	16.2	5.37	4.98	3.98
51—1708055	B	MKKDS 1/5-3.81	5	3.81	19.05	16.2	6.72	6.23	4.98
51—1708068	B	MKKDS 1/6-3.81	6	3.81	22.86	16.2	8.06	7.46	5.97
51—1708084	B	MKKDS 1/8-3.81	8	3.81	30.48	16.2	10.76	9.96	7.97
51—1708107	B	MKKDS 1/9-3.81	9	3.81	34.29	16.2	12.10	11.20	8.96
51—1708110	B	MKKDS 1/10-3.81	10	3.81	38.1	16.2	13.43	12.44	9.95
51—1708136	B	MKKDS 1/12-3.81	12	3.81	45.72	16.2	16.13	14.94	11.95
mm Double Level PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
L: 300V @ 10A, 30-14 AWG, Green Color									
51—1725012	B	MKKDS 1.5/2	2	5	10	25.2	2.08	1.93	1.54
51—1725025	B	MKKDS 1.5/3	3	5	15	25.2	3.12	2.89	2.31
.: 150V @ 15A and 300V @ 10A, 30-12 AWG, Green Color									
51—1721029	C	MKKDS 3/2	2	5	10	31.4	3.54	3.28	2.62
51—1721032	C	MKKDS 3/3	3	5	15	31.4	5.31	4.91	3.93
08mm Double Level PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
.: 300V @ 10A, 30-14 AWG, Green Color									
51—1725038	B	MKKDS 1.5/2-5.08	2	5.08	10.16	25.2	2.08	1.93	1.54
51—1725041	B	MKKDS 1.5/3-5.08	3	5.08	15.24	25.2	3.12	2.89	2.31
.: 150V @ 15A and 300V @ 10A, 30-12 AWG, Green Color									
51—1721728	C	MKKDS 3/2-5.08	2	5.08	10.16	31.4	3.54	3.28	2.62
51—1721731	C	MKKDS 3/3-5.08	3	5.08	15.24	31.4	5.31	4.91	3.93
08mm Triple Level PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
: 300V @ 10A, 30-14 AWG, Green Color									
51—1724013	D	MK3DS 1.5/2-5.08	2	5.08	10.16	36.6	5.49	5.09	4.07
51—1724026	D	MK3DS 1.5/3-5.08	3	5.08	15.24	36.6	8.24	7.63	6.10
: 150V @ 15A and 300V @ 10A, 30-12 AWG, Green Color									
51—1723014	E	MK3DS 3/2-5.08	2	5.08	10.16	44.8	4.98	4.61	3.69
51—1723027	E	MK3DS 3/3-5.08	3	5.08	15.24	44.8	7.47	6.91	5.53

E PIECE DESIGN W/ IDC TERMINATION

gle Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

mm Insulation Displacement PCB Terminal Blocks - 90° Wire-to-Pin Orientation									
300V @ 5A, 28-22 AWG, Green Color									
51—1706170	F	IDC 0.3/2-3.81	2	3.81	8.81	14.8	.84	.78	.62
51—1706183	F	IDC 0.3/3-3.81	3	3.81	12.62	14.8	1.19	1.10	.88
51—1706196	F	IDC 0.3/4-3.81	4	3.81	16.43	14.8	1.53	1.41	1.13
51—1706206	F	IDC 0.3/5-3.81	5	3.81	20.24	14.8	1.88	1.74	1.39
51—1706219	F	IDC 0.3/6-3.81	6	3.81	24.05	14.8	2.23	2.06	1.65
51—1706222	F	IDC 0.3/7-3.81	7	3.81	27.86	14.8	2.58	2.39	1.91
51—1706235	F	IDC 0.3/8-3.81	8	3.81	31.67	14.8	2.92	2.70	2.16
51—1706248	F	IDC 0.3/9-3.81	9	3.81	35.48	14.8	3.27	3.03	2.42
51—1706251	F	IDC 0.3/10-3.81	10	3.81	39.29	14.8	3.62	3.35	2.68
51—1706277	F	IDC 0.3/12-3.81	12	3.81	46.91	14.8	4.31	3.99	3.19

ONE PIECE DESIGN W/ SPRING FORCE TERMINATION

Single Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm.) A	B	C	Price Each 1	10	50
Modular 2.54mm PCB Spring Force Fixed Terminal Block - 90° Wire-to-Pin Orientation									
UL: 150V @ 6A, 26-20 AWG, Green Color									
651—1791826 *	G	FFKDS/H-2.54	1	2.54	12.6	- - -	- - -	.69	.55
End Terminal Block for FFKDS/H-2.54									
651—1791868	G	FFKDSA1/H-5.08	1	5.08	12.6	- - -	1.19	1.10	.88
Modular 2.54mm PCB Spring Force Fixed Terminal Block - 180° Wire-to-Pin Orientation									
651—1791813 *	H	FFKDS/V-2.54	1	2.54	13.6	- - -	- - -	.69	.55
End Terminal Block for FFKDS/V-2.54									
651—1791855	H	FFKDSA1/V-5.08	1	5.08	13.6	- - -	1.13	1.05	.84
Modular 3.81MM PCB Spring Force Terminal Block									
UL: 300V @ 6A, 26-16 AWG, Green Color									
651—1789650	I	FFKDS/H-3.81	1	3.81	12.7	- - -	.90	.84	.66
651—1789634	-	FFKDSA1/H-6.35	Required End Cover			- - -	1.17	1.09	.87
651—1789647	J	FFKDS/V-3.81	1	3.81	13.6	- - -	.84	.70	.63
651—1789621	-	FFKDSA1/V-6.35	Required End Cover			- - -	1.09	.91	.82
Modular 5mm PCB Spring Force Fixed - Single Level w/o Lever - 135° Wire-to-Pin									
UL: 300V @ 10A, 26-12 AWG, Green Color									
651—1889259 *	K	ZFKDS 1.5C-5.0	1	5	12.75	- - -	- - -	.30	.24
End Terminal Block for ZFKDS 1.5C-5.0									
651—1889262	K	ZFKDSA 1.5C-6.0	1	6	12.75	- - -	.45	.41	.33
Modular 5.08mm PCB Spring Force Fixed - Single Level w/o Lever - 135° Wire-to-Pin									
651—1706701 *	L	ZFKDS 1.5-5.08	1	5.08	14.2	- - -	- - -	.36	.29
End Terminal Block for ZFKDS 1.5-5.08									
651—1706727	L	ZFKDSA 1.5-7.62	1	7.62	14.2	- - -	.66	.61	.49
Modular 5.08mm PCB Spring Force Fixed - Single Level w/ Lever - 135° Wire-to-Pin									
651—1706714 *	M	ZFKDS 1.5-W-5.08	1	5.08	16	- - -	- - -	.45	.36
End Terminal Block for ZFKDS 1.5-W-5.08									
651—1706730	M	ZFKDSA 1.5-W-7.62	1	7.62	16	- - -	.68	.63	.50
Modular 5.08MM PCB Spring Force Terminal Block									
UL: 300V @ 10A, 22-16 AWG, Green Color									
651—1790335	N	FFKDS/H1-5.08	1	5.08	12.7	- - -	.95	.88	.70
651—1790513	-	FFKDSA1/H1-7.62	Required End Cover			- - -	1.28	1.19	.95
Modular 5.08MM PCB Spring Force Terminal Block									
UL: 300V @ 10A, 22-16 AWG, Green Color									
651—1790319	O	FFKDS/V1-5.08	1	5.08	13.6	- - -	.95	[illegible]	.70
651—1790490	-	FFKDSA1/V1-7.62	Required End Cover			- - -	1.28	1.19	0.95
Modular 5.08mm PCB Spring Force Fixed - Double Level w/o Lever - 135° Wire-to-Pin									
UL: 300V @ 10A, 26-12 AWG, Green Color									
651—1704402 *	P	ZFKKDS 1.5-5.08	1	5.08	25.5	- - -	- - -	1.03	.82
End Terminal Block for ZFKKDS 1.5-5.08									
651—1704567	P	ZFKKDSA 1.5-6.08	1	6.08	25.5	- - -	1.42	1.31	1.05
Modular 10mm PCB Spring Force Fixed Terminal Block - 135° Wire-to-Pin Orientation									
UL pending: 600V @ 30A, 24-10 AWG, Green Color									
651—1907539	Q	ZFKDS 4-10	1	10	23	- - -	1.11	1.03	.82
End Terminal Block for ZFKDS 4-10									
651—1907542	Q	ZFKDSA 4-9	1	10	23	- - -	1.24	1.15	.92
Jumping Bridge for ZFKDS 4-10, Fully Insulated									
651—1928398	R	FBSK 2-10	2	- - -	- - -	- - -	.86	.80	.64
651—1928408	R	FBSK 3-10	3	- - -	- - -	- - -	1.67	1.55	1.24
651—1928411	R	FBSK 4-10	4	- - -	- - -	- - -	2.57	2.38	1.90
651—1928424	R	FBSK 5-10	5	- - -	- - -	- - -	3.39	3.14	2.51
651—1928437	R	FBSK 6-10	10	- - -	- - -	- - -	6.52	6.04	4.83

* Sold only in strips of 10 terminals. These modular strips can be broken apart or extended to any length needed. An end terminal block is required to terminate each row of terminals.

PHOENIX CONTACT Economy Terminal Blocks

(5.0mm)

5.0MM FIXED SCREW TERMINAL BLOCKS WITH WIRE PROTECTION

- Color: Green
- End to end stackable with dove tail design
- Clamping screws have combination screw head
- Insulation Material: Polyamide - UL94/V0
- Max Voltage: 300V
- Max Current: 10A
- Wire Size: 26-12 AWG
- Lead Length: 3.5 mm

E60425

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm.)			Price Each				
Mfr. Mfr. Part No.				L	W	H	1	50	100	250	500
Horizontal Mounting											
651—1935161	A	PT 1.5/2-5.0-H	2	10	8.3	11.3	.36	.25	.22	.21	.20
651—1935174	A	PT 1.5/3-5.0-H	3	15	8.3	11.3	.55	.38	.34	.32	.30
651—1935187	A	PT 1.5/4-5.0-H	4	20	8.3	11.3	.56	.51	.46	.43	.41
651—1935190	A	PT 1.5/5-5.0-H	5	25	8.3	11.3	.71	.64	.57	.54	.51
651—1935200	A	PT 1.5/6-5.0-H	6	30	8.3	11.3	.87	.75	.68	.64	.60
651—1935213	A	PT 1.5/7-5.0-H	7	35	8.3	11.3	.99	.88	.80	.75	.71
651—1935226	A	PT 1.5/8-5.0-H	8	40	8.3	11.3	1.12	1.01	.91	.86	.81
651—1935239	A	PT 1.5/9-5.0-H	9	45	8.3	11.3	1.26	1.13	1.02	.96	.90
651—1935242	A	PT 1.5/10-5.0-H	10	50	8.3	11.3	1.41	1.26	1.13	1.07	1.01
651—1935255	A	PT 1.5/11-5.0-H	11	55	8.3	11.3	1.55	1.39	1.25	1.18	1.11
651—1935268	A	PT 1.5/12-5.0-H	12	60	8.3	11.3	1.68	1.51	1.36	1.28	1.21
651—1935271	A	PT 1.5/13-5.0-H	13	65	8.3	11.3	1.83	1.64	1.47	1.39	1.31
651—1935284	A	PT 1.5/14-5.0-H	14	70	8.3	11.3	1.97	1.77	1.59	1.50	1.41
651—1935297	A	PT 1.5/15-5.0-H	15	75	8.3	11.3	2.12	1.90	1.71	1.61	1.52
651—1935307	A	PT 1.5/16-5.0-H	16	80	8.3	11.3	2.25	2.02	1.81	1.71	1.61
Vertical Mounting											
651—1935310	B	PT 1.5/2-5.0-V	2	10	11.3	8.3	.32	.29	.26	.24	.23
651—1935323	B	PT 1.5/3-5.0-V	3	15	11.3	8.3	.49	.43	.39	.36	.34
651—1935336	B	PT 1.5/4-5.0-V	4	20	11.3	8.3	.64	.56	.50	.48	.45
651—1935349	B	PT 1.5/5-5.0-V	5	25	11.3	8.3	.81	.70	.63	.60	.56
651—1935352	B	PT 1.5/6-5.0-V	6	30	11.3	8.3	.94	.85	.76	.72	.68
651—1935365	B	PT 1.5/7-5.0-V	7	35	11.3	8.3	1.10	.99	.89	.84	.79
651—1935378	B	PT 1.5/8-5.0-V	8	40	11.3	8.3	1.28	1.13	1.02	.96	.90
651—1935381	B	PT 1.5/9-5.0-V	9	45	11.3	8.3	1.42	1.27	1.15	1.08	1.02
651—1935394	B	PT 1.5/10-5.0-V	10	50	11.3	8.3	1.60	1.42	1.28	1.20	1.13
651—1935404	B	PT 1.5/11-5.0-V	11	55	11.3	8.3	1.74	1.56	1.40	1.33	1.25
651—1935417	B	PT 1.5/12-5.0-V	12	60	11.3	8.3	1.89	1.69	1.52	1.44	1.35
651—1935420	B	PT 1.5/13-5.0-V	13	65	11.3	8.3	2.04	1.83	1.65	1.56	1.47
651—1935433	B	PT 1.5/14-5.0-V	14	70	11.3	8.3	2.21	1.98	1.78	1.68	1.58
651—1935446	B	PT 1.5/15-5.0-V	15	75	11.3	8.3	2.36	2.12	1.91	1.80	1.70
651—1935459	B	PT 1.5/16-5.0-V	16	80	11.3	8.3	2.53	2.26	2.04	1.92	1.81

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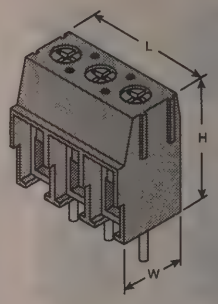

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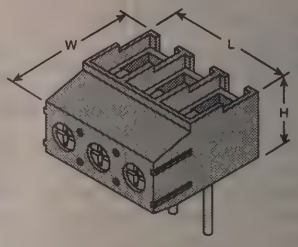

5.0MM PLUGGABLE SCREW TERMINAL BLOCKS WITH WIRE PROTECTION

E60425

- Plug can mount Horizontally or Vertically
- End to end stackable with dove tail design
- Clamping screws have combination screw head
- Insulation Material: Polyamide - UL94/V0
- Terminal Block Color: Green
- Max Voltage: 300V
- Max Current: 10A
- Wire Size: 26-12 AWG

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm.)			Price Each				
Mfr. Mfr. Part No.				L	W	H	1	50	100	250	500
Terminal Block Plug - Green											
651—1934861	A	PT 1.5/2-PVH-5.0	2	10	14.9	11.3	.36	.25	.22	.21	.20
651—1934874	A	PT 1.5/3-PVH-5.0	3	15	14.9	11.3	.55	.38	.34	.32	.30
651—1934887	A	PT 1.5/4-PVH-5.0	4	20	14.9	11.3	.57	.51	.46	.43	.41
651—1934890	A	PT 1.5/5-PVH-5.0	5	25	14.9	11.3	.72	.64	.57	.54	.51
651—1934900	A	PT 1.5/6-PVH-5.0	6	30	14.9	11.3	.85	.75	.68	.64	.60
651—1934913	A	PT 1.5/7-PVH-5.0	7	35	14.9	11.3	.99	.88	.80	.75	.71
651—1934926	A	PT 1.5/8-PVH-5.0	8	40	14.9	11.3	1.13	1.01	.91	.86	.81
651—1934939	A	PT 1.5/9-PVH-5.0	9	45	14.9	11.3	1.28	1.13	1.02	.96	.90
651—1934942	A	PT 1.5/10-PVH-5.0	10	50	14.9	11.3	1.40	1.26	1.13	1.07	1.01
651—1934955	A	PT 1.5/11-PVH-5.0	11	55	14.9	11.3	1.55	1.39	1.25	1.18	1.11
651—1934968	A	PT 1.5/12-PVH-5.0	12	60	14.9	11.3	1.68	1.51	1.36	1.28	1.21
651—1934971	A	PT 1.5/13-PVH-5.0	13	65	14.9	11.3	1.83	1.64	1.47	1.39	1.31
651—1934984	A	PT 1.5/14-PVH-5.0	14	70	14.9	11.3	1.98	1.77	1.59	1.50	1.41
651—1934997	A	PT 1.5/15-PVH-5.0	15	75	14.9	11.3	2.11	1.90	1.71	1.61	1.52
651—1935006	A	PT 1.5/16-PVH-5.0	16	80	14.9	11.3	2.24	2.02	1.81	1.71	1.61
(THR) High-Temperature Pin Strip Headers (Reflow Compatible) - Black - Solder Tail length: 3.5 mm											
651—1933189	B	PST 1.3/2-5.0	2	10	2.8	13	.15	.12	.11	.09	.08
651—1933192	B	PST 1.3/3-5.0	3	15	2.8	13	.25	.17	.15	.14	.14
651—1933202	B	PST 1.3/4-5.0	4	20	2.8	13	.32	.22	.20	.19	.18
651—1933215	B	PST 1.3/5-5.0	5	25	2.8	13	.33	.27	.25	.23	.22
651—1933228	B	PST 1.3/6-5.0	6	30	2.8	13	.36	.33	.29	.28	.26
651—1933231	B	PST 1.3/7-5.0	7	35	2.8	13	.44	.39	.35	.33	.31
651—1933244	B	PST 1.3/8-5.0	8	40	2.8	13	.49	.44	.40	.38	.35
651—1933257	B	PST 1.3/9-5.0	9	45	2.8	13	.55	.49	.44	.42	.40
651—1933260	B	PST 1.3/10-5.0	10	50	2.8	13	.62	.55	.49	.46	.44
651—1933273	B	PST 1.3/11-5.0	11	55	2.8	13	.68	.61	.55	.52	.49
651—1933286	B	PST 1.3/12-5.0	12	60	2.8	13	.74	.66	.60	.56	.53
651—1933299	B	PST 1.3/13-5.0	13	65	2.8	13	.79	.72	.64	.61	.57
651—1933309	B	PST 1.3/14-5.0	14	70	2.8	13	.86	.77	.69	.65	.61
651—1933312	B	PST 1.3/15-5.0	15	75	2.8	13	.94	.83	.75	.71	.67
651—1933325	B	PST 1.3/16-5.0	16	80	2.8	13	.99	.88	.80	.75	.71

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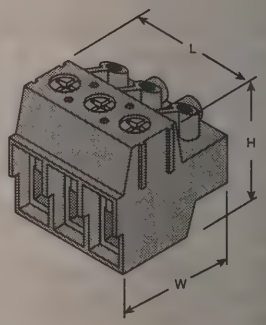

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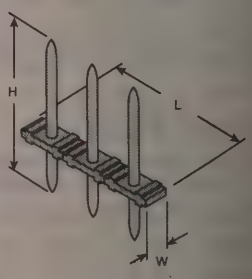

MOUSER ELECTRONICS a tti company

(800) 346-6873

PHOENIX CONTACT Economy Terminal Blocks

PHOENIX CONTACT
INSPIRING INNOVATIONS

5MM COMPACT PCB TERMINAL BLOCKS WITH SCREW CONNECTION

nd to end stackable with dove tail design
amping screws have combination screw head
sulation Material: Polyamide - UL94/V0
olor: Green

- Max Voltage: 300V
- Max Current: 10A
- Wire Size: 26 -16 AWG

For quantities of 1000 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm.) L	W	H	Price Each 1	50	100	250	500
orizontal Mounting											
1—1984617	A	PT 1.5/2-3.5H	2	7.0	7.6	9.2	.29	.26	.24	.22	.21
1—1984620	A	PT 1.5/3-3.5H	3	10.5	7.6	9.2	.44	.41	.36	.32	.31
1—1984633	A	PT 1.5/4-3.5H	4	14.0	7.6	9.2	.57	.52	.46	.42	.39
1—1984646	A	PT 1.5/5-3.5H	5	17.5	7.6	9.2	.72	.65	.58	.52	.49
1—1984659	A	PT 1.5/6-3.5H	6	21.0	7.6	9.2	.87	.78	.71	.63	.59
1—1984662	A	PT 1.5/7-3.5H	7	24.5	7.6	9.2	1.01	.91	.82	.74	.71
1—1984675	A	PT 1.5/8-3.5H	8	28.0	7.6	9.2	1.16	1.04	.94	.85	.81
1—1984688	A	PT 1.5/9-3.5H	9	31.5	7.6	9.2	1.31	1.18	1.06	.95	.91
1—1984691	A	PT 1.5/10-3.5H	10	35.0	7.6	9.2	1.45	1.31	1.18	1.06	1.01
1—1984701	A	PT 1.5/11-3.5H	11	38.5	7.6	9.2	1.59	1.42	1.29	1.16	1.09
1—1984714	A	PT 1.5/12-3.5H	12	42.0	7.6	9.2	1.73	1.56	1.41	1.26	1.19
1—1984727	A	PT 1.5/13-3.5H	13	45.5	7.6	9.2	1.88	1.69	1.53	1.38	1.32
1—1984730	A	PT 1.5/14-3.5H	14	49.0	7.6	9.2	2.02	1.82	1.64	1.48	1.42
1—1984743	A	PT 1.5/15-3.5H	15	52.5	7.6	9.2	2.17	1.96	1.76	1.58	1.49
1—1984756	A	PT 1.5/16-3.5H	16	56.0	7.6	9.2	2.32	2.08	1.88	1.69	1.61
rtical Mounting											
1—1984769	B	PT 1.5/2-3.5V	2	7.0	9.2	7.6	.32	.29	.26	.24	.22
1—1984772	B	PT 1.5/3-3.5V	3	10.5	9.2	7.6	.48	.43	.39	.35	.33
1—1984785	B	PT 1.5/4-3.5V	4	14.0	9.2	7.6	.64	.58	.52	.47	.45
1—1984798	B	PT 1.5/5-3.5V	5	17.5	9.2	7.6	.81	.72	.65	.58	.55
1—1984808	B	PT 1.5/6-3.5V	6	21.0	9.2	7.6	.96	.86	.78	.69	.65
1—1984811	B	PT 1.5/7-3.5V	7	24.5	9.2	7.6	1.12	.99	.91	.81	.78
1—1984824	B	PT 1.5/8-3.5V	8	28.0	9.2	7.6	1.28	1.15	1.03	.94	.89
1—1984837	B	PT 1.5/9-3.5V	9	31.5	9.2	7.6	1.44	1.29	1.17	1.15	1.09
1—1984840	B	PT 1.5/10-3.5V	10	35.0	9.2	7.6	1.59	1.44	1.29	1.17	1.11
1—1984853	B	PT 1.5/11-3.5V	11	38.5	9.2	7.6	1.76	1.58	1.43	1.28	1.22
1—1984866	B	PT 1.5/12-3.5V	12	42.0	9.2	7.6	1.92	1.73	1.55	1.39	1.32
1—1984879	B	PT 1.5/13-3.5V	13	45.5	9.2	7.6	2.08	1.87	1.69	1.52	1.44
1—1984882	B	PT 1.5/14-3.5V	14	49.0	9.2	7.6	2.24	2.02	1.81	1.64	1.55
1—1984895	B	PT 1.5/15-3.5V	15	52.5	9.2	7.6	2.39	2.16	1.94	1.74	1.65
1—1984905	B	PT 1.5/16-3.5V	16	56.0	9.2	7.6	2.56	2.31	2.07	1.87	1.77

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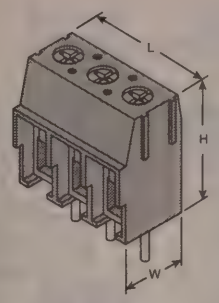

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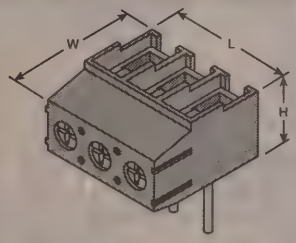

5MM PLUGGABLE COMPACT PCB TERMINAL BLOCKS WITH CREW CONNECTION

ug can mount Horizontally or Vertically
nd to end stackable with dove tail design
amping screws have combination screw head
sulation Material: Polyamide - UL94/V0

- Color: Green
- Max Voltage: 300V
- Max Current: 10A
- Wire Size: 26 - 16 AWG

For quantities of 1000 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm.) L	W	H	Price Each 1	50	100	250	500
orizontal / Vertical Terminal Block Plug											
1—1984015	C	PT 1.5/2-PVH-3.5	2	7.0	14.6	11.1	.29	.26	.24	.22	.21
1—1984028	C	PT 1.5/3-PVH-3.5	3	10.5	14.6	11.1	.44	.39	.36	.32	.31
1—1984031	C	PT 1.5/4-PVH-3.5	4	14.0	14.6	11.1	.59	.53	.48	.43	.41
1—1984044	C	PT 1.5/5-PVH-3.5	5	17.5	14.6	11.1	.73	.66	.59	.53	.51
1—1984057	C	PT 1.5/6-PVH-3.5	6	21.0	14.6	11.1	.89	.81	.72	.65	.62
1—1984060	C	PT 1.5/7-PVH-3.5	7	24.5	14.6	11.1	1.04	.94	.84	.76	.72
1—1984073	C	PT 1.5/8-PVH-3.5	8	28.0	14.6	11.1	1.18	1.07	.96	.87	.83
1—1984086	C	PT 1.5/9-PVH-3.5	9	31.5	14.6	11.1	1.33	1.21	1.08	.97	.92
1—1984099	C	PT 1.5/10-PVH-3.5	10	35.0	14.6	11.1	1.48	1.33	1.19	1.08	1.01
1—1984109	C	PT 1.5/11-PVH-3.5	11	38.5	14.6	11.1	1.63	1.46	1.32	1.19	1.13
1—1984112	C	PT 1.5/12-PVH-3.5	12	42.0	14.6	11.1	1.77	1.59	1.44	1.29	1.22
1—1984125	C	PT 1.5/13-PVH-3.5	13	45.5	14.6	11.1	1.92	1.73	1.55	1.41	1.34
1—1984138	C	PT 1.5/14-PVH-3.5	14	49.0	14.6	11.1	2.07	1.86	1.67	1.51	1.43
1—1984141	C	PT 1.5/15-PVH-3.5	15	52.5	14.6	11.1	2.21	1.99	1.79	1.62	1.54
1—1984154	C	PT 1.5/16-PVH-3.5	16	56.0	14.6	11.1	2.36	2.12	1.91	1.72	1.63
IR) High-Temperature Pin Strip Headers (Reflow Compatible) - Black- 3.5mm											
1—1945096	D	PST 1.0/2-3.5	2	7.0	3.5	13.0	.12	.10	.09	.09	.08
1—1945106	D	PST 1.0/3-3.5	3	10.5	3.5	13.0	.17	.15	.14	.13	.12
1—1945119	D	PST 1.0/4-3.5	4	14.0	3.5	13.0	.23	.21	.18	.17	.15
1—1945122	D	PST 1.0/5-3.5	5	17.5	3.5	13.0	.28	.26	.24	.21	.19
1—1945135	D	PST 1.0/6-3.5	6	21.0	3.5	13.0	.34	.30	.28	.25	.23
1—1945148	D	PST 1.0/7-3.5	7	24.5	3.5	13.0	.39	.37	.34	.30	.27
1—1945151	D	PST 1.0/8-3.5	8	28.0	3.5	13.0	.45	.43	.39	.36	.31
1—1945164	D	PST 1.0/9-3.5	9	31.5	3.5	13.0	.49	.45	.42	.39	.34
1—1945177	D	PST 1.0/10-3.5	10	35.0	3.5	13.0	.55	.52	.47	.41	.38
1—1945180	D	PST 1.0/11-3.5	11	38.5	3.5	13.0	.61	.56	.53	.46	.42
1—1945193	D	PST 1.0/12-3.5	12	42.0	3.5	13.0	.66	.62	.57	.51	.47
1—1945203	D	PST 1.0/13-3.5	13	45.5	3.5	13.0	.74	.68	.62	.55	.51
1—1945216	D	PST 1.0/14-3.5	14	49.0	3.5	13.0	.79	.73	.67	.61	.54
1—1945229	D	PST 1.0/15-3.5	15	52.5	3.5	13.0	.87	.81	.74	.66	.58
1—1945232	D	PST 1.0/16-3.5	16	56.0	3.5	13.0	.92	.86	.79	.71	.62

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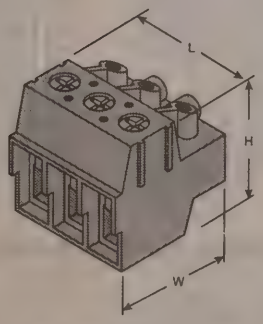

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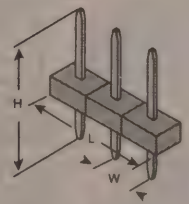

PHOENIX CONTACT Economy Terminal Blocks
(3.5mm)

PHOENIX CONTACT
INSPIRING INNOVATIONS

3.5MM SPRING FORCE ANGLED PCB TERMINAL BLOCKS

- Color: Green
- Offset Solder Pins
- Rapid spring cage clamping for solid or flexible wire
- Insulation Material: Polyamide - UL94/V2
- Max Voltage: 300V
- Max Current: 2A
- Wire Size: 20-16 AWG
- UL Approval File # E60425

E60425

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm.) L	W	H	Price Each 1	50	100	250	500
651	1985195	A	PTSA 1.5/2-3.5-Z	2	10	12	13.1	.20	.18	.17	.16	.15
651	1985205	A	PTSA 1.5/3-3.5-Z	3	12	12	13.1	.30	.27	.25	.23	.22
651	1985218	A	PTSA 1.5/4-3.5-Z	4	15.5	12	13.1	.40	.36	.33	.31	.29
651	1985221	A	PTSA 1.5/5-3.5-Z	5	19	12	13.1	.50	.46	.41	.39	.36
651	1985234	A	PTSA 1.5/6-3.5-Z	6	22.5	12	13.1	.60	.55	.49	.46	.44
651	1985247	A	PTSA 1.5/7-3.5-Z	7	26	12	13.1	.70	.64	.57	.54	.51
651	1985250	A	PTSA 1.5/8-3.5-Z	8	29.5	12	13.1	.79	.72	.64	.61	.57
651	1985263	A	PTSA 1.5/9-3.5-Z	9	33	12	13.1	.89	.81	.73	.69	.64
651	1985276	A	PTSA 1.5/10-3.5-Z	10	36.5	12	13.1	.99	.90	.81	.76	.72
651	1985289	A	PTSA 1.5/11-3.5-Z	11	40	12	13.1	1.09	.99	.89	.84	.79
651	1985292	A	PTSA 1.5/12-3.5-Z	12	43.5	12	13.1	1.19	1.08	.97	.92	.86

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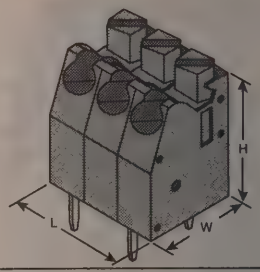


3.5MM SPRING FORCE PCB PLUGGABLE TERMINAL BLOCKS

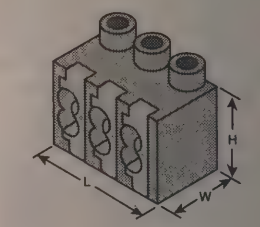
- Color: Green
- 2 Wire entries per circuit
- Insulation Material: Polyamide - UL94/V0
- Terminal Blocks Mount on the Pin Strip Headers
- Terminal blocks can be prewired and quickly installed
- Stripped wired make contact automatically when inserted
- Max Voltage: 300V
- Max Current: 4A
- Wire Size: 28-20 AWG solid conductor
- UL Approval File # E60425

E60425

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm.) W	L	H	Price Each 1	50	100	250
3.5mm PCB Pluggable Terminal Blocks											
651	1913921	B	FK-MPT 0.5/2-ST-3.5	2	9.5	7.5	8.5	.59	.55	.44	.42
651	1913934	B	FK-MPT 0.5/3-ST-3.5	3	9.5	11	8.5	.85	.79	.63	.60
651	1913947	B	FK-MPT 0.5/4-ST-3.5	4	9.5	14.5	8.5	1.15	1.06	.85	.81
651	1913950	B	FK-MPT 0.5/5-ST-3.5	5	9.5	18	8.5	1.46	1.35	1.08	1.01
651	1913963	B	FK-MPT 0.5/6-ST-3.5	6	9.5	21.5	8.5	1.74	1.61	1.29	1.21
651	1913976	B	FK-MPT 0.5/7-ST-3.5	7	9.5	25	8.5	2.01	1.86	1.49	1.40
651	1913989	B	FK-MPT 0.5/8-ST-3.5	8	9.5	28.4	8.5	2.30	2.13	1.70	1.61
651	1913992	B	FK-MPT 0.5/9-ST-3.5	9	9.5	32	8.5	2.61	2.41	1.93	1.81
651	1914001	B	FK-MPT 0.5/10-ST-3.5	10	9.5	35.5	8.5	2.90	2.69	2.15	2.04
651	1914027	B	FK-MPT 0.5/11-ST-3.5	11	9.5	39	8.5	3.16	2.93	2.34	2.22
651	1914030	B	FK-MPT 0.5/12-ST-3.5	12	9.5	42.5	8.5	3.47	3.21	2.57	2.43
(THR) High-Temperature Pin Strip Headers (Reflow Compatible) - Black - Solder Tail length: 3.5 mm											
651	1945096	C	PST 1.0/2-3.5	2	3.5	7	13	.12	.10	.09	.09
651	1945106	C	PST 1.0/3-3.5	3	3.5	10.5	13	.17	.15	.14	.13
651	1945119	C	PST 1.0/4-3.5	4	3.5	14	13	.23	.21	.18	.17
651	1945122	C	PST 1.0/5-3.5	5	3.5	17.5	13	.28	.26	.24	.21
651	1945135	C	PST 1.0/6-3.5	6	3.5	21	13	.34	.30	.28	.25
651	1945148	C	PST 1.0/7-3.5	7	3.5	24.5	13	.39	.37	.34	.30
651	1945151	C	PST 1.0/8-3.5	8	3.5	28	13	.45	.43	.39	.36
651	1945164	C	PST 1.0/9-3.5	9	3.5	31.5	13	.49	.45	.42	.38
651	1945177	C	PST 1.0/10-3.5	10	3.5	35	13	.55	.52	.47	.41
651	1945180	C	PST 1.0/11-3.5	11	3.5	38.5	13	.61	.56	.53	.46
651	1945193	C	PST 1.0/12-3.5	12	3.5	42	13	.66	.62	.57	.51

B



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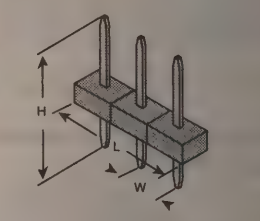


3.5MM SPRING FORCE PCB FIXED TERMINAL BLOCKS

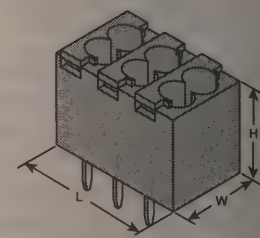
- Color: Green
- 2 Wire entries per circuit
- Insulation Material: Polyamide - UL94/V0
- Stripped wires make contact automatically when inserted
- Max Voltage: 300V
- Max Current: 4A
- Wire Size: 28-20 AWG solid conductor
- UL Approval File # E60425

E60425

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm.) W	L	H	Price Each 1	10	50	100
Vertical											
651	1891069	D	FK-MPT 0.5/2-3-5	2	7	7.5	9.5	.49	.45	.36	.32
651	1891072	D	FK-MPT 0.5/3-3-5	3	7	11.0	9.5	.73	.68	.54	.49
651	1891085	D	FK-MPT 0.5/4-3-5	4	7	14.5	9.5	.97	.90	.72	.65
651	1891098	D	FK-MPT 0.5/5-3-5	5	7	18.0	9.5	1.22	1.13	.90	.81
651	1891108	D	FK-MPT 0.5/6-3-5	6	7	21.5	9.5	1.46	1.35	1.08	.97
651	1891124	D	FK-MPT 0.5/8-3-5	8	7	28.5	9.5	1.94	1.80	1.44	1.30
651	1891140	D	FK-MPT 0.5/10-3-5	10	7	35.5	9.5	2.43	2.25	1.80	1.62
651	1891166	D	FK-MPT 0.5/12-3-5	12	7	42.5	9.5	2.92	2.70	2.16	1.94
Horizontal											
651	1928767	E	FK-MPT 0.5/2-3-5-H	2	9.5	7.5	8.5	.58	.49	.43	.39
651	1928770	E	FK-MPT 0.5/3-3-5-H	3	9.5	11.0	8.5	.85	.72	.63	.57
651	1928783	E	FK-MPT 0.5/4-3-5-H	4	9.5	14.5	8.5	1.15	.98	.85	.77
651	1928796	E	FK-MPT 0.5/5-3-5-H	5	9.5	18.0	8.5	1.43	1.22	1.06	.95
651	1928806	E	FK-MPT 0.5/6-3-5-H	6	9.5	21.5	8.5	1.73	1.47	1.28	1.15
651	1928822	E	FK-MPT 0.5/8-3-5-H	8	9.5	28.5	8.5	2.28	1.94	1.69	1.52
651	1928848	E	FK-MPT 0.5/10-3-5-H	10	9.5	35.5	8.5	2.88	2.45	2.16	1.92
651	1928864	E	FK-MPT 0.5/12-3-5-H	12	9.5	42.5	8.5	3.43	2.92	2.54	2.29

D



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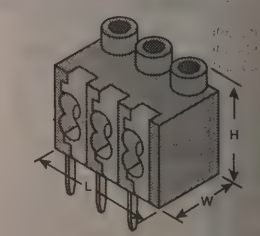


PHOENIX CONTACT
INSPIRING INNOVATIONS

HR TERMINAL BLOCKS FOR SMT REFLOW SOLDERING

tures:

OMBICON THR (Through Hole Reflow) terminal blocks and headers are
gineered to withstand the heat of the SMT soldering process
iminates the need for time-consuming secondary wave or hand soldering.
rop-in replacement for existing terminal blocks
eat resistant housing is able to withstand 290°C for 10 seconds

- RoHS and WEEE compliant, lead free
- Tape and Reel versions available upon request
- Through hole solder pins for high mechanical stability
- "PIN-in-PASTE" mounting procedure

gh Temperature Fixed PCB Terminal Blocks

tandard 2 and 3 positions available • Interlocking Dovetail sides allows for multiple position creation

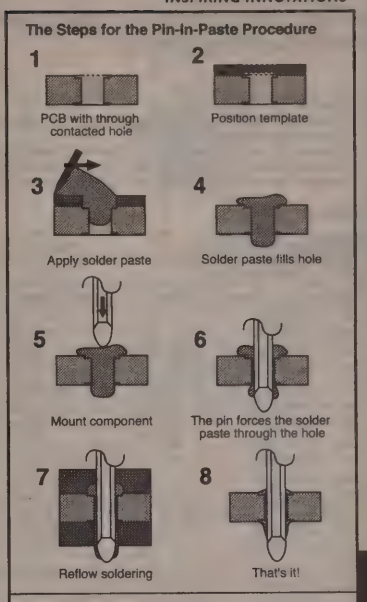
For quantities of 100 and up or Tape and Reel, call for quote.

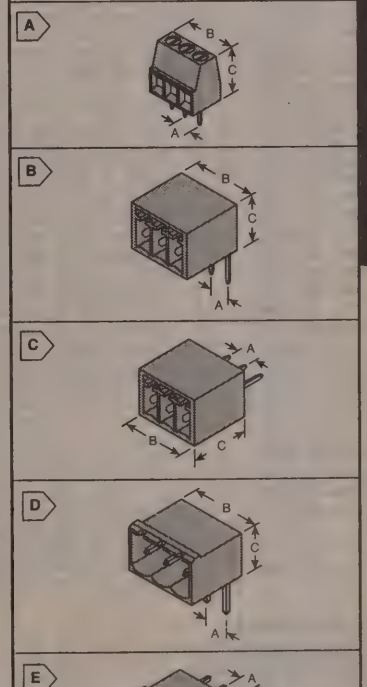
OUSER STOK NO. / Mfr. Part No.	Fig.	Phoenix Type	Position	Current Rating	Voltage Rating	AWG	Dimensions (mm) A	B	C	Price Each 1	10	50
50mm PCB Terminal Fixed Terminal Blocks - 90° Wire-to-Board Orientation - Black Color												
1—1985807	A	MKDS 1/2-3.5 HT BK	2	10A	160	26-16	3.50	7.50	8.50	.75	.66	.60
1—1984950	A	MKDS 1/ 3-3.5 HT BK	3	10A	160	26-16	3.50	11.00	8.50	1.19	1.05	.95
81mm PCB Terminal Fixed Terminal Blocks - 90° Wire-to-Board Orientation - Black Color												
1—1985823	A	MKDS 1/2-3.81 HT BK	2	10A	160	26-16	3.81	7.61	8.50	.75	.66	.60
1—1985836	A	MKDS 1/3-3.81 HT BK	3	10A	160	26-16	3.81	11.42	8.50	1.14	1.00	.91
00mm PCB Terminal Fixed Terminal Blocks - 90° Wire-to-Board Orientation - Black Color												
1—1985849	A	MKDSN 1.5/2 HT BK	2	13.5A	250	26-16	5.00	10.00	10.00	.65	.57	.52
1—1985852	A	MKDSN 1.5/3 HT BK	3	13.5A	250	26-16	5.00	15.00	10.00	1.00	.88	.80
1—1985881	A	MKDS 1.5/2 HT BK	2	17.5A	250	26-14	5.00	10.00	13.80	.80	.70	.64
1—1985894	A	MKDS 1.5/3 HT BK	3	17.5A	250	26-14	5.00	15.00	13.80	1.21	1.07	.97
1—1985920	A	MKDSN 2.5/ 2 HT BK	2	16.0A	250	24-14	5.00	10.00	15.00	.60	.53	.48
1—1985933	A	MKDSN 2.5/ 3 HT BK	3	16.0A	250	24-14	5.00	15.00	15.00	.91	.80	.73
1—1985962	A	MKDS 3/ 2 HT BK	2	24.0A	250	24-12	5.00	10.00	18.00	.98	.86	.78
1—1985975	A	MKDS 3/ 3 HT BK	3	24.0A	250	24-12	5.00	15.00	18.00	1.49	1.31	1.19
08mm PCB Terminal Fixed Terminal Blocks - 90° Wire-to-Board Orientation - Black Color												
1—1985865	A	MKDSN 1.5/ 2-5.08 HT BK	2	13.5A	250	26-16	5.08	10.16	10.00	.65	.57	.52
1—1985878	A	MKDSN 1.5/ 3-5.08 HT BK	3	13.5A	250	26-16	5.08	15.24	10.00	1.00	.88	.80
1—1985904	A	MKDS 1.5/2-5.08 HT BK	2	17.5A	250	26-14	5.08	10.16	13.80	.80	.70	.64
1—1985917	A	MKDS 1.5/3-5.08 HT BK	3	17.5A	250	26-14	5.08	15.24	13.80	1.21	1.07	.97
1—1985946	A	MKDSN 2.5/2-5.08 HT BK	2	16.0A	250	24-14	5.08	10.16	15.00	.60	.53	.48
1—1985959	A	MKDSN 2.5/3-5.08 HT BK	3	16.0A	250	24-14	5.08	15.24	15.00	.91	.80	.73
1—1985988	A	MKDS 3/2-5.08 HT BK	2	24.0A	250	24-12	5.08	10.16	18.00	.98	.86	.78
1—1985991	A	MKDS 3/3-5.08 HT BK	3	24.0A	250	24-12	5.08	15.24	18.00	1.49	1.31	1.19

gh Temperature Pluggable PCB Headers • Mates with standard plugs

For quantities of 100 and up or Tape and Reel, call for quote.

OUSER STOK NO. / Mfr. Part No.	Fig.	Phoenix Type	Position	Current Rating	Voltage Rating	Dimensions (mm) A	B	C	Price Each 1	10	50
81mm PCB Terminal Block Headers - 90° Socket-to-Pin Orientation - Black Color											
1—1908761	B	MC 1.5/2-G-3.81 THT	2	8A	300	3.81	9.01	7.25	.70	.65	.52
1—1908774	B	MC 1.5/3-G-3.81 THT	3	8A	300	3.81	12.82	7.25	1.03	.95	.76
1—1908787	B	MC 1.5/4-G-3.81 THT	4	8A	300	3.81	16.63	7.25	1.36	1.26	1.01
1—1908790	B	MC 1.5/5-G-3.81 THT	5	8A	300	3.81	20.44	7.25	1.71	1.59	1.27
1—1908800	B	MC 1.5/6-G-3.81 THT	6	8A	300	3.81	24.25	7.25	2.04	1.89	1.51
1—1908813	B	MC 1.5/7-G-3.81 THT	7	8A	300	3.81	28.06	7.25	2.38	2.20	1.76
1—1908826	B	MC 1.5/8-G-3.81 THT	8	8A	300	3.81	31.87	7.25	2.73	2.53	2.02
1—1908839	B	MC 1.5/9-G-3.81 THT	9	8A	300	3.81	35.68	7.25	3.06	2.84	2.27
1—1908842	B	MC 1.5/10-G-3.81 THT	10	8A	300	3.81	39.49	7.25	3.40	3.15	2.52
1—1908855	B	MC 1.5/ 11-G-3.81 THT	11	8A	300	3.81	43.3	7.25	3.75	3.48	2.78
1—1908868	B	MC 1.5/ 12-G-3.81 THT	12	8A	300	3.81	47.11	7.25	4.10	3.80	3.04
81mm PCB Terminal Block Headers - 180° Socket-to-Pin Orientation - Black Color											
1—1908910	C	MCV 1.5/ 2-G-3.81 THT	2	8A	300	3.81	9.01	9.20	.70	.65	.52
1—1908923	C	MCV 1.5/ 3-G-3.81 THT	3	8A	300	3.81	12.82	9.20	1.03	.95	.76
1—1908936	C	MCV 1.5/ 4-G-3.81 THT	4	8A	300	3.81	16.63	9.20	1.36	1.26	1.01
1—1908949	C	MCV 1.5/ 5-G-3.81 THT	5	8A	300	3.81	20.44	9.20	1.71	1.59	1.27
1—1908952	C	MCV 1.5/ 6-G-3.81 THT	6	8A	300	3.81	24.25	9.20	2.04	1.89	1.51
1—1908965	C	MCV 1.5/ 7-G-3.81 THT	7	8A	300	3.81	28.06	9.20	2.38	2.20	1.76
1—1908978	C	MCV 1.5/ 8-G-3.81 THT	8	8A	300	3.81	31.87	9.20	2.73	2.53	2.02
1—1908981	C	MCV 1.5/ 9-G-3.81 THT	9	8A	300	3.81	35.68	9.20	3.06	2.84	2.27
1—1908994	C	MCV 1.5/ 10-G-3.81 THT	10	8A	300	3.81	39.49	9.20	3.40	3.15	2.52
1—1909003	C	MCV 1.5/ 11-G-3.81 THT	11	8A	300	3.81	43.30	9.20	3.75	3.48	2.78
1—1909016	C	MCV 1.5/ 12-G-3.81 THT	12	8A	300	3.81	47.11	9.20	4.10	3.80	3.04
08mm PCB Terminal Block Headers - 90° Socket-to-Pin Orientation - Black Color											
1—1902741	D	MSTBA 2.5/ 2-G-5.08-THT	2	10A	300	5.08	12.16	8.90	.65	.60	.48
1—1902754	D	MSTBA 2.5/ 3-G-5.08-THT	3	10A	300	5.08	17.24	8.90	.95	.88	.70
1—1902767	D	MSTBA 2.5/ 4-G-5.08-THT	4	10A	300	5.08	22.32	8.90	1.24	1.15	.92
1—1902770	D	MSTBA 2.5/ 5-G-5.08-THT	5	10A	300	5.08	27.40	8.90	1.55	1.44	1.15
1—1902783	D	MSTBA 2.5/ 6-G-5.08-THT	6	10A	300	5.08	32.48	8.90	1.88	1.74	1.39
1—1902796	D	MSTBA 2.5/ 7-G-5.08-THT	7	10A	300	5.08	37.56	8.90	2.17	2.01	1.61
1—1902806	D	MSTBA 2.5/ 8-G-5.08-THT	8	10A	300	5.08	42.64	8.90	2.50	2.31	1.85
08mm PCB Terminal Block Headers - 180° Socket-to-Pin Orientation - Black Color											
1—1902819	E	MSTBVA 2.5/ 2-G-5.08-THT	2	10A	300	5.08	12.16	12.20	.62	.58	.46
1—1902822	E	MSTBVA 2.5/ 3-G-5.08-THT	3	10A	300	5.08	17.24	12.20	.95	.88	.70
1—1902835	E	MSTBVA 2.5/ 4-G-5.08-THT	4	10A	300	5.08	22.32	12.20	1.24	1.15	.92
1—1902848	E	MSTBVA 2.5/ 5-G-5.08-THT	5	10A	300	5.08	27.40	12.20	1.55	1.44	1.15
1—1902851	E	MSTBVA 2.5/ 6-G-5.08-THT	6	10A	300	5.08	32.48	12.20	1.88	1.74	1.39
1—1902864	E	MSTBVA 2.5/ 7-G-5.08-THT	7	10A	300	5.08	37.56	12.20	2.17	2.01	1.61
1—1902877	E	MSTBVA 2.5/ 8-G-5.08-THT	8	10A	300	5.08	42.64	12.20	2.50	2.31	1.85



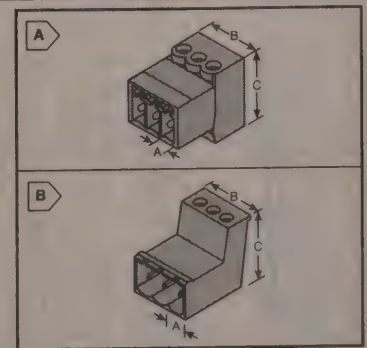


81MM AND 5.08MM INVERTED PLUGS

lates with standard plugs for cable to cable connections • Plugs have male pin contacts

For quantities of 100 and up, call for quote.

81mm Terminal Block Inverted Plugs - 180° Socket-to-Pin Orientation - Green Color - 30-14 AWG											
1—1857883	A	IMC 1,5/ 2-ST-3,81	2	8A	300	3.81	8.41	11.10	2.65	2.45	1.96
1—1857896	A	IMC 1,5/ 3-ST-3,81	3	8A	300	3.81	12.22	11.10	3.85	3.56	2.89
1—1857906	A	IMC 1,5/ 4-ST-3,81	4	8A	300	3.81	16.03	11.10	5.28	4.89	3.91
1—1857919	A	IMC 1,5/ 5-ST-3,81	5	8A	300	3.81	19.84	11.10	6.11	5.25	4.74
1—1857922	A	IMC 1,5/ 6-ST-3,81	6	8A	300	3.81	23.65	11.10	7.31	6.39	5.67
1—1857948	A	IMC 1,5/ 8-ST-3,81	8	8A	300	3.81	27.46	11.10	7.44	6.52	6.20
1—1857964	A	IMC 1,5/10-ST-3,81	10	8A	300	3.81	35.08	11.10	14.00	12.70	10.16
1—1857980	A	IMC 1,5/12-ST-3,81	12	8A	300	3.81	42.70	11.10	14.64	12.64	11.52
5mm Terminal Block Inverted Plugs - 180° Socket-to-Pin Orientation - Green Color - 30-12 AWG											
1—1786174	B	IC 2,5/ 2-ST-5,08	2	10A	300	5.08	11.66	15.00	2.27	2.10	1.68
1—1786187	B	IC 2,5/ 3-ST-5,08	3	10A	300	5.08	16.74	15.00	3.43	3.18	2.54
1—1786190	B	IC 2,5/ 4-ST-5,08	4	10A	300	5.08	21.82	15.00	4.56	4.23	3.38
1—1786200	B	IC 2,5/ 5-ST-5,08	5	10A	300	5.08	26.90	15.00	5.70	5.28	4.22
1—1786213	B	IC 2,5/ 6-ST-5,08	6	10A	300	5.08	31.98	15.00	7.02	6.50	5.20
1—1786239	B	IC 2,5/ 8-ST-5,08	8	10A	300	5.08	37.06	15.00	7.81	7.11	6.47
1—1786255	B	IC 2,5/ 10-ST-5,08	10	10A	300	5.08	47.22	15.00	9.41	8.46	7.31
1—1786271	B	IC 2,5/12-ST-5,08	12	10A	300	5.08	57.38	15.00	10.54	9.22	8.43



PHOENIX CONTACT 5.08mm and 3.5mm Terminal Blocks

PHOENIX CONTACT
INSPIRING INNOVATIO

HIGH TEMPERATURE PCB HEADERS FOR THROUGH HOLE REFLOW PROCESSES

Features:
- COMBICON THR (Through Hole Reflow) headers are engineered to withstand the heat of the SMT soldering process
- Eliminates the need for time-consuming secondary wave or hand soldering
- Insulating Material: CC Series Header - (LCP) suitable for use in lead-free solder processes
- Insulating Material: MC Series Header - (PA-F) suitable for use in lead-free solder processes
- Mates with standard plugs
- "PIN-In-PASTE" mounting procedure
- Tape and Reel versions available upon request

5.08mm Headers

For quantities of 100 and up, call for quote.

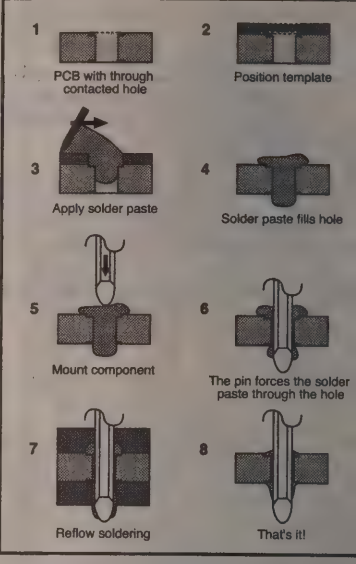
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Current Rating	Voltage Rating	Dimensions (mm.) A	B	C	Price Each 1	10	50
Horizontal - Closed - 2.6mm pin length - Color: Black												
651—1954919		A	CCA 2.5/2-G-5.08P26THR	2	10A	300	5.08	11.96	8.6	.54	.47	.43
651—1954922		A	CCA 2.5/3-G-5.08P26THR	3	10A	300	5.08	17.04	8.6	.81	.72	.65
651—1954935		A	CCA 2.5/4-G-5.08P26THR	4	10A	300	5.08	22.12	8.6	1.09	.96	.87
651—1954948		A	CCA 2.5/5-G-5.08P26THR	5	10A	300	5.08	27.20	8.6	1.11	.98	.89
651—1954951		A	CCA 2.5/6-G-5.08P26THR	6	10A	300	5.08	32.28	8.6	1.33	1.17	1.06
651—1954977		A	CCA 2.5/7-G-5.08P26THR	7	10A	300	5.08	37.36	8.6	1.55	1.36	1.24
651—1954980		A	CCA 2.5/8-G-5.08P26THR	8	10A	300	5.08	42.44	8.6	1.76	1.55	1.41
651—1954993		A	CCA 2.5/9-G-5.08P26THR	9	10A	300	5.08	47.52	8.6	1.83	1.61	1.46
651—1955002		A	CCA 2.5/10-G-5.08P26THR	10	10A	300	5.08	52.60	8.6	2.04	1.79	1.63
651—1955015		A	CCA 2.5/11-G-5.08P26THR	11	10A	300	5.08	57.68	8.6	2.24	1.97	1.79
651—1955028		A	CCA 2.5/12-G-5.08P26THR	12	10A	300	5.08	62.76	8.6	2.45	2.16	1.96
Horizontal - Mounting Ears - 2.6mm pin length - Color: Black												
651—1954692		B	CC 2,5/ 2-GF-5,08 P26THR	2	10A	300	5.08	20.32	8.6	2.16	1.90	1.73
651—1954702		B	CC 2,5/ 3-GF-5,08 P26THR	3	10A	300	5.08	25.40	8.6	2.45	2.16	1.96
651—1954715		B	CC 2,5/ 4-GF-5,08 P26THR	4	10A	300	5.08	30.48	8.6	2.76	2.43	2.21
651—1954728		B	CC 2,5/ 5-GF-5,08 P26THR	5	10A	300	5.08	35.56	8.6	2.78	2.44	2.22
651—1954731		B	CC 2.5/6-GF-5.08 P26THR	6	10A	300	5.08	40.64	8.6	3.01	2.65	2.41
651—1954744		B	CC 2,5/ 7-GF-5,08 P26THR	7	10A	300	5.08	45.72	8.6	3.28	2.88	2.62
651—1954757		B	CC 2,5/ 8-GF-5,08 P26THR	8	10A	300	5.08	50.80	8.6	3.51	3.09	2.81
651—1954760		B	CC 2,5/ 9-GF-5,08 P26THR	9	10A	300	5.08	55.88	8.6	3.60	3.17	2.88
651—1954773		B	CC 2,5/10-GF-5,08 P26THR	10	10A	300	5.08	60.96	8.6	3.81	3.36	3.05
651—1954786		B	CC 2,5/11-GF-5,08 P26THR	11	10A	300	5.08	66.04	8.6	4.05	3.56	3.24
651—1954799		B	CC 2,5/12-GF-5,08 P26THR	12	10A	300	5.08	71.12	8.6	4.28	3.76	3.42
Vertical - Closed - 2.6mm pin length - Color: Black												
651—1955853		C	CCVA 2.5/2-G-5.08P26THR	2	10A	300	5.08	11.96	12	.54	.47	.43
651—1955866		C	CCVA 2.5/3-G-5.08P26THR	3	10A	300	5.08	17.04	12	.81	.72	.65
651—1955879		C	CCVA 2.5/4-G-5.08P26THR	4	10A	300	5.08	22.12	12	1.09	.96	.87
651—1955882		C	CCVA 2.5/5-G-5.08P26THR	5	10A	300	5.08	27.20	12	1.11	.98	.89
651—1955895		C	CCVA 2.5/6-G-5.08P26THR	6	10A	300	5.08	32.28	12	1.33	1.17	1.06
651—1955905		C	CCVA 2.5/7-G-5.08P26THR	7	10A	300	5.08	37.36	12	1.55	1.36	1.24
651—1955918		C	CCVA 2.5/8-G-5.08P26THR	8	10A	300	5.08	42.44	12	1.76	1.55	1.41
651—1955921		C	CCVA 2.5/9-G-5.08P26THR	9	10A	300	5.08	47.52	12	1.83	1.61	1.46
651—1955934		C	CCVA 2.5/10-G-5.08P26THR	10	10A	300	5.08	52.60	12	2.04	1.79	1.63
651—1955947		C	CCVA 2.5/11-G-5.08P26THR	11	10A	300	5.08	57.68	12	2.24	1.97	1.79
651—1955950		C	CCVA 2.5/12-G-5.08P26THR	12	10A	300	5.08	62.76	12	2.45	2.16	1.96
Vertical - Mounting Ears - 2.6mm pin length - Color: Black												
651—1955633		D	CCV 2,5/ 2-GF-5,08 P26THR	2	10A	300	5.08	20.32	12	2.16	1.90	1.73
651—1955646		D	CCV 2,5/ 3-GF-5,08 P26THR	3	10A	300	5.08	25.40	12	2.45	2.16	1.96
651—1955659		D	CCV 2,5/ 4-GF-5,08 P26THR	4	10A	300	5.08	30.48	12	2.76	2.43	2.21
651—1955662		D	CCV 2,5/ 5-GF-5,08 P26THR	5	10A	300	5.08	35.56	12	2.78	2.44	2.22
651—1955675		D	CCV 2,5/ 6-GF-5,08 P26THR	6	10A	300	5.08	40.64	12	3.01	2.65	2.41
651—1955688		D	CCV 2,5/ 7-GF-5,08 P26THR	7	10A	300	5.08	45.72	12	3.28	2.88	2.62
651—1955691		D	CCV 2,5/ 8-GF-5,08 P26THR	8	10A	300	5.08	50.80	12	3.51	3.09	2.81
651—1955701		D	CCV 2,5/ 9-GF-5,08 P26THR	9	10A	300	5.08	55.88	12	3.60	3.17	2.88
651—1955714		D	CCV 2,5/10-GF-5,08 P26THR	10	10A	300	5.08	60.96	12	3.81	3.36	3.05
651—1955727		D	CCV 2,5/11-GF-5,08 P26THR	11	10A	300	5.08	66.04	12	4.05	3.56	3.24
651—1955730		D	CCV 2,5/12-GF-5,08 P26THR	12	10A	300	5.08	71.12	12	4.28	3.76	3.42

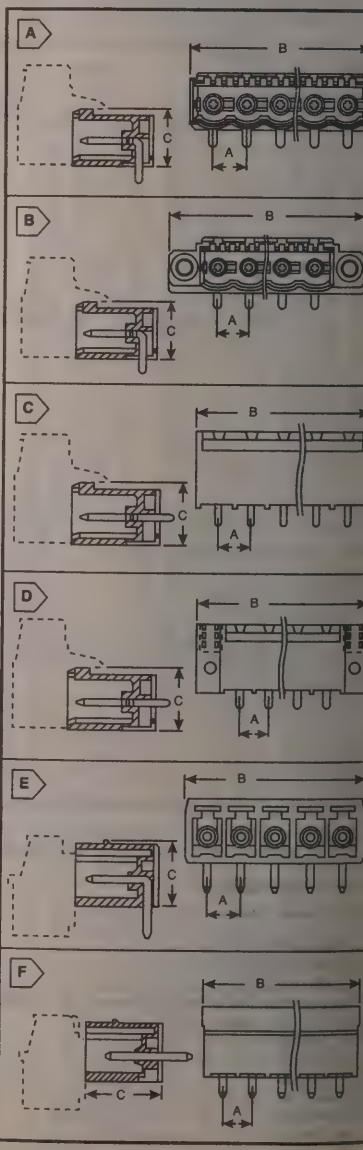
3.5mm Headers

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Current Rating	Voltage Rating	Dimensions (mm.) A	B	C	Price Each 1	10	50
Horizontal - Closed - 3.4mm pin length - Color: Black												
651—1937499		E	MC 1.5/2-G-3.5 THT	2	8A	300	3.5	8.4	7.25	.65	.57	.52
651—1937509		E	MC 1.5/3-G-3.5 THT	3	8A	300	3.5	11.9	7.25	.95	.84	.76
651—1937512		E	MC 1.5/4-G-3.5 THT	4	8A	300	3.5	15.4	7.25	1.26	1.11	1.01
651—1937525		E	MC 1.5/5-G-3.5 THT	5	8A	300	3.5	18.9	7.25	1.59	1.40	1.27
651—1937538		E	MC 1.5/6-G-3.5 THT	6	8A	300	3.5	22.4	7.25	1.89	1.66	1.51
651—1937541		E	MC 1.5/7-G-3.5 THT	7	8A	300	3.5	25.9	7.25	2.20	1.94	1.76
651—1937554		E	MC 1.5/8-G-3.5 THT	8	8A	300	3.5	29.4	7.25	2.53	2.22	2.02
651—1937567		E	MC 1.5/9-G-3.5 THT	9	8A	300	3.5	32.9	7.25	2.84	2.50	2.27
651—1937570		E	MC 1.5/10-G-3.5 THT	10	8A	300	3.5	36.4	7.25	3.15	2.77	2.52
651—1937583		E	MC 1.5/11-G-3.5 THT	11	8A	300	3.5	39.9	7.25	3.48	3.06	2.78
651—1937596		E	MC 1.5/12-G-3.5 THT	12	8A	300	3.5	43.4	7.25	3.80	3.34	3.04
Vertical - Closed - 3.4mm pin length - Color: Black												
651—1937606		F	MCV 1.5/2-G-3.5 THT	2	8A	300	3.5	8.4	9.2	.65	.57	.52
651—1937619		F	MCV 1.5/3-G-3.5 THT	3	8A	300	3.5	11.9	9.2	.95	.84	.76
651—1937622		F	MCV 1.5/4-G-3.5 THT	4	8A	300	3.5	15.4	9.2	1.26	1.11	1.01
651—1937635		F	MCV 1.5/5-G-3.5 THT	5	8A	300	3.5	18.9	9.2	1.59	1.40	1.27
651—1937648		F	MCV 1.5/6-G-3.5 THT	6	8A	300	3.5	22.4	9.2	1.89	1.66	1.51
651—1937651		F	MCV 1.5/7-G-3.5 THT	7	8A	300	3.5	25.9	9.2	2.20	1.94	1.76
651—1937664		F	MCV 1.5/8-G-3.5 THT	8	8A	300	3.5	29.4	9.2	2.53	2.22	2.02
651—1937677		F	MCV 1.5/9-G-3.5 THT	9	8A	300	3.5	32.9	9.2	2.84	2.50	2.27
651—1937680		F	MCV 1.5/10-G-3.5 THT	10	8A	300	3.5	36.4	9.2	3.15	2.77	2.52
651—1937693		F	MCV 1.5/11-G-3.5 THT	11	8A	300	3.5	39.9	9.2	3.48	3.06	2.78
651—1937703		F	MCV 1.5/12-G-3.5 THT	12	8A	300	3.5	43.4	9.2	3.80	3.34	3.04

The Steps for the Pin-In-Paste Procedure





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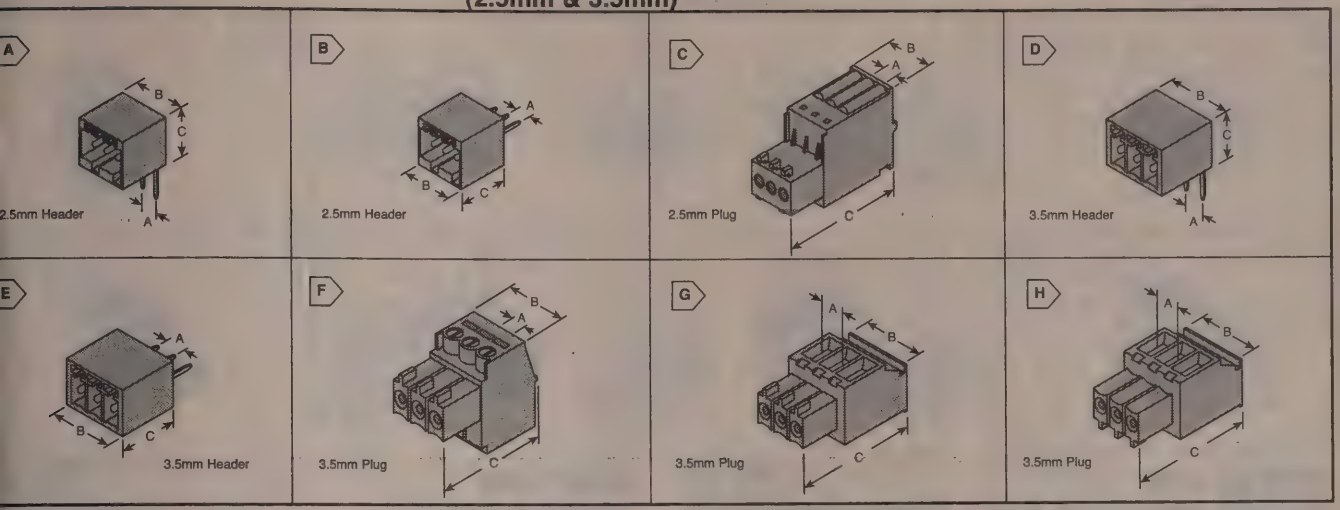


5MM HEADERS

ngle Level, Through-Hole Solder Mounting

File# E60425

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
5mm PCB Terminal Block Headers - 90° Socket-to Pin Orientation									
.: 125V @ 4A, Green Color									
1—1881448	A	MC 0.5/2-G-2.5	2	2.5	6.9	8.1	.61	.56	.45
1—1881451	A	MC 0.5/3-G-2.5	3	2.5	9.4	8.1	.89	.83	.66
1—1881464	A	MC 0.5/4-G-2.5	4	2.5	11.9	8.1	1.16	1.08	.86
1—1881477	A	MC 0.5/5-G-2.5	5	2.5	14.4	8.1	1.43	1.33	1.06
1—1881480	A	MC 0.5/6-G-2.5	6	2.5	16.9	8.1	1.70	1.58	1.26
1—1881493	A	MC 0.5/7-G-2.5	7	2.5	19.4	8.1	1.97	1.83	1.46
1—1881503	A	MC 0.5/8-G-2.5	8	2.5	21.9	8.1	2.24	2.08	1.66
1—1881516	A	MC 0.5/9-G-2.5	9	2.5	24.4	8.1	2.51	2.33	1.86
1—1881529	A	MC 0.5/10-G-2.5	10	2.5	26.9	8.1	2.78	2.58	2.06
1—1881545	A	MC 0.5/12-G-2.5	12	2.5	31.9	8.1	3.32	3.08	2.46
5mm PCB Terminal Block Headers - 90° Socket-to Pin Orientation									
.: 125V @ 4A, Green Color									
1—1881561	B	MCV 0.5/3-G-2.5	3	2.5	9.4	10.1	.89	.83	.66
1—1881574	B	MCV 0.5/4-G-2.5	4	2.5	11.9	10.1	1.16	1.08	.86
1—1881587	B	MCV 0.5/5-G-2.5	5	2.5	14.4	10.1	1.43	1.33	1.06
1—1881590	B	MCV 0.5/6-G-2.5	6	2.5	16.9	10.1	1.70	1.58	1.26
1—1881600	B	MCV 0.5/7-G-2.5	7	2.5	19.4	10.1	1.97	1.83	1.46
1—1881613	B	MCV 0.5/8-G-2.5	8	2.5	21.9	10.1	2.24	2.08	1.66
1—1881626	B	MCV 0.5/9-G-2.5	9	2.5	24.4	10.1	2.51	2.33	1.86
1—1881639	B	MCV 0.5/10-G-2.5	10	2.5	26.9	10.1	2.78	2.58	2.06
1—1881655	B	MCV 0.5/12-G-2.5	12	2.5	31.9	10.1	3.32	3.08	2.46

5MM PLUGS

pring Force Wire Termination

File# E60425

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
5mm PCB Terminal Block Plugs - 180° Wire-to Plug Orientation									
L: 125V @ 4A 28-20AWG, Green Color									
1—1881325	C	FK-MC 0.5/2-ST-2.5	2	2.5	5.6	19.2	2.59	2.40	1.92
1—1881338	C	FK-MC 0.5/3-ST-2.5	3	2.5	8.1	19.2	3.51	3.25	2.60
1—1881341	C	FK-MC 0.5/4-ST-2.5	4	2.5	10.6	19.2	4.41	4.09	3.27
1—1881354	C	FK-MC 0.5/5-ST-2.5	5	2.5	13.1	19.2	5.32	4.93	3.94
1—1881367	C	FK-MC 0.5/6-ST-2.5	6	2.5	15.6	19.2	6.22	5.76	4.61
1—1881370	C	FK-MC 0.5/7-ST-2.5	7	2.5	18.1	19.2	7.16	6.63	5.30
1—1881383	C	FK-MC 0.5/8-ST-2.5	8	2.5	20.6	19.2	8.07	7.48	5.98
1—1881396	C	FK-MC 0.5/9-ST-2.5	9	2.5	23.1	19.2	8.98	8.31	6.65
1—1881406	C	FK-MC 0.5/10-ST-2.5	10	2.5	25.6	19.2	9.90	9.16	7.33
1—1881422	C	FK-MC 0.5/12-ST-2.5	12	2.5	30.6	19.2	11.70	10.84	8.67

.5MM HEADERS

ngle Level, Through-Hole Solder Mounting

File# E60425

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
5mm PCB Terminal Block Headers - 90° Socket-to Pin Orientation									
.: 300V @ 8A, Green Color									
1—1844210	D	MC 1.5/2-G-3.5	2	3.5	8.4	7.25	.63	.59	.47
1—1844223	D	MC 1.5/3-G-3.5	3	3.5	11.9	7.25	.95	.88	.70
1—1844236	D	MC 1.5/4-G-3.5	4	3.5	15.4	7.25	1.26	1.16	.93
1—1844249	D	MC 1.5/5-G-3.5	5	3.5	18.9	7.25	1.58	1.46	1.17
1—1844252	D	MC 1.5/6-G-3.5	6	3.5	22.4	7.25	1.89	1.75	1.40
1—1844265	D	MC 1.5/7-G-3.5	7	3.5	25.9	7.25	2.20	2.04	1.63

3.5MM HEADERS (cont.)

Single Level, Through-Hole Solder Mounting

File# E60425

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
3.5mm PCB Terminal Block Headers (Con't) - 90° Socket-to Pin Orientation									
UL: 300V @ 8A, Green Color									
651—1844278	D	MC 1.5/8-G-3.5	8	3.5	29.4	7.25	2.51	2.33	1.86
651—1844281	D	MC 1.5/9-G-3.5	9	3.5	32.9	7.25	2.84	2.63	2.10
651—1844294	D	MC 1.5/10-G-3.5	10	3.5	36.4	7.25	3.15	2.91	2.33
651—1844317	D	MC 1.5/12-G-3.5	12	3.5	43.4	7.25	3.78	3.50	2.80
3.5mm PCB Terminal Block Headers - 180° Socket-to Pin Orientation									
UL: 300V @ 8A, Green Color									
651—1843606	E	MCV 1.5/2-G-3.5	2	3.5	8.4	9.2	.63	.59	.47
651—1843619	E	MCV 1.5/3-G-3.5	3	3.5	11.9	9.2	.95	.88	.70
651—1843622	E	MCV 1.5/4-G-3.5	4	3.5	15.4	9.2	1.26	1.16	.93
651—1843635	E	MCV 1.5/5-G-3.5	5	3.5	18.9	9.2	1.58	1.46	1.17
651—1843648	E	MCV 1.5/6-G-3.5	6	3.5	22.4	9.2	1.89	1.75	1.40
651—1843651	E	MCV 1.5/7-G-3.5	7	3.5	25.9	9.2	2.20	2.04	1.63
651—1843664	E	MCV 1.5/8-G-3.5	8	3.5	29.4	9.2	2.51	2.33	1.86
651—1843677	E	MCV 1.5/9-G-3.5	9	3.5	32.9	9.2	2.84	2.63	2.10
651—1843680	E	MCV 1.5/10-G-3.5	10	3.5	36.4	9.2	3.15	2.91	2.33
651—1843693	E	MCV 1.5/11-G-3.5	11	3.5	39.9	9.2	3.46	3.20	2.56
651—1843703	E	MCV 1.5/12-G-3.5	12	3.5	43.4	9.2	3.78	3.50	2.80

3.5MM PLUGS

Screw Clamp Wire Termination

File# E60425

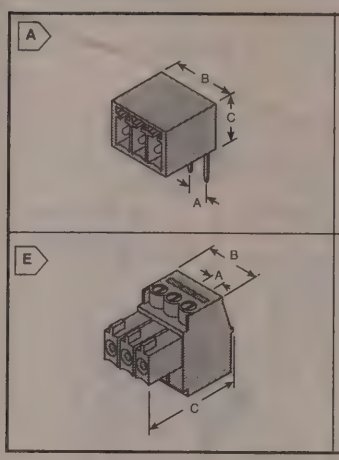
For quantities of 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
3.5mm PCB Terminal Block Plugs - 180° Wire-to-Plug Orientation									
UL: 300V @ 8A 30-14AWG, Green Color									
651—1840366	F	MC 1.5/2-ST-3.5	2	3.5	7	15.5	1.81	1.68	1.34
651—1840379	F	MC 1.5/3-ST-3.5	3	3.5	10.5	15.5	2.71	2.51	2.01
651—1840382	F	MC 1.5/4-ST-3.5	4	3.5	14	15.5	3.62	3.35	2.68
651—1840395	F	MC 1.5/5-ST-3.5	5	3.5	17.5	15.5	4.56	4.23	3.38
651—1840405	F	MC 1.5/6-ST-3.5	6	3.5	21	15.5	5.43	5.03	4.02
651—1840418	F	MC 1.5/7-ST-3.5	7	3.5	24.5	15.5	6.33	5.86	4.69
651—1840421	F	MC 1.5/8-ST-3.5	8	3.5	28	15.5	7.24	6.70	5.36
651—1840434	F	MC 1.5/9-ST-3.5	9	3.5	31.5	15.5	8.14	7.54	6.03
651—1840447	F	MC 1.5/10-ST-3.5	10	3.5	35	15.5	9.05	8.38	6.70
651—1840450	F	MC 1.5/11-ST-3.5	11	3.5	38.5	15.5	9.95	9.21	7.37
651—1840463	F	MC 1.5/12-ST-3.5	12	3.5	42	15.5	10.84	10.04	8.03
3.5mm PCB Terminal Block Plugs - 90° Wire-to-Plug Orientation									
UL: 300V @ 8A 30-14AWG, Green Color									
651—1863152	G	MCVR 1.5/2-ST-3.5	2	3.5	7.8	19.1	1.76	1.63	1.30
651—1863165	G	MCVR 1.5/3-ST-3.5	3	3.5	11.3	19.1	2.63	2.44	1.95
651—1863178	G	MCVR 1.5/4-ST-3.5	4	3.5	14.8	19.1	3.51	3.25	2.60
651—1863181	G	MCVR 1.5/5-ST-3.5	5	3.5	18.3	19.1	4.39	4.06	3.25
651—1863194	G	MCVR 1.5/6-ST-3.5	6	3.5	21.8	19.1	5.27	4.88	3.90
651—1863217	G	MCVR 1.5/8-ST-3.5	8	3.5	28.8	19.1	7.02	6.50	5.20
651—1863233	G	MCVR 1.5/10-ST-3.5	10	3.5	35.8	19.1	8.78	8.13	6.50
3.5mm PCB Terminal Block Plugs - 270° Wire-to-Plug Orientation									
UL: 300V @ 8A 30-14AWG, Green Color									
651—1862852	H	MCVW 1.5/2-ST-3.5	2	3.5	7.8	19.1	1.76	1.63	1.30
651—1862865	H	MCVW 1.5/3-ST-3.5	3	3.5	11.3	19.1	2.63	2.44	1.95
651—1862878	H	MCVW 1.5/4-ST-3.5	4	3.5	14.8	19.1	3.51	3.25	2.60
651—1862881	H	MCVW 1.5/5-ST-3.5	5	3.5	18.3	19.1	4.39	4.06	3.25
651—1862894	H	MCVW 1.5/6-ST-3.5	6	3.5	21.8	19.1	5.27	4.88	3.90
651—1862917	H	MCVW 1.5/8-ST-3.5	8	3.5	28.8	19.1	7.02	6.50	5.20
651—1862920	H	MCVW 1.5/9-ST-3.5	9	3.5	32.3	19.1	7.90	7.31	5.85
651—1862933	H	MCVW 1.5/10-ST-3.5	10	3.5	35.8	19.1	8.78	8.13	6.50

PHOENIX CONTACT Pluggable Terminal Blocks

(3.81mm)

PHOENIX CONTACT
INSPIRING INNOVATI



3.81MM HEADERS

File# E60425

Single Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
3.81mm PCB Terminal Blocks Headers - 90° Socket-to-Pin Orientation										
UL:300V @ 8A, Green Color										
651—1803277		A	MC 1.5/2-G-3.81	2	3.81	9.01	7.25	.57	.53	.42
651—1803280		A	MC 1.5/3-G-3.81	3	3.81	12.82	7.25	.85	.79	.63
651—1803293		A	MC 1.5/4-G-3.81	4	3.81	16.63	7.25	1.13	1.05	.84
651—1803303		A	MC 1.5/5-G-3.81	5	3.81	20.44	7.25	1.42	1.32	1.05
651—1803316		A	MC 1.5/6-G-3.81	6	3.81	24.25	7.25	1.70	1.58	1.26
651—1803329		A	MC 1.5/7-G-3.81	7	3.81	28.06	7.25	1.98	1.83	1.47
651—1803332		A	MC 1.5/8-G-3.81	8	3.81	31.87	7.25	2.26	2.09	1.67
651—1803345		A	MC 1.5/9-G-3.81	9	3.81	35.68	7.25	2.55	2.36	1.89
651—1803358		A	MC 1.5/10-G-3.81	10	3.81	39.49	7.25	2.83	2.62	2.10
651—1803361		A	MC 1.5/11-G-3.81	11	3.81	43.3	7.25	3.11	2.88	2.30
651—1803374		A	MC 1.5/12-G-3.81	12	3.81	47.11	7.25	3.40	3.15	2.52
651—1803387		A	MC 1.5/13-G-3.81	13	3.81	50.92	7.25	3.68	3.41	2.73
651—1803390		A	MC 1.5/14-G-3.81	14	3.81	54.73	7.25	3.96	3.67	2.93
651—1803400		A	MC 1.5/15-G-3.81	15	3.81	58.54	7.25	4.24	3.93	3.14
651—1803413		A	MC 1.5/16-G-3.81	16	3.81	62.35	7.25	4.53	4.20	3.36
3.81mm PCB Terminal Blocks Headers - 180° Socket-to-Pin Orientation										
UL:300V @ 8A, Green Color										
651—1803426		B	MCV 1.5/2-G-3.81	2	3.81	9.01	9.2	.57	.53	.42
651—1803439		B	MCV 1.5/3-G-3.81	3	3.81	12.82	9.2	.85	.79	.63
651—1803442		B	MCV 1.5/4-G-3.81	4	3.81	16.63	9.2	1.13	1.05	.84
651—1803455		B	MCV 1.5/5-G-3.81	5	3.81	20.44	9.2	1.42	1.32	1.05
651—1803468		B	MCV 1.5/6-G-3.81	6	3.81	24.25	9.2	1.70	1.58	1.26
651—1803471		B	MCV 1.5/7-G-3.81	7	3.81	28.06	9.2	1.98	1.83	1.47
651—1803484		B	MCV 1.5/8-G-3.81	8	3.81	31.87	9.2	2.26	2.09	1.67
651—1803497		B	MCV 1.5/9-G-3.81	9	3.81	35.68	9.2	2.55	2.36	1.89
651—1803507		B	MCV 1.5/10-G-3.81	10	3.81	39.49	9.2	2.83	2.62	2.10
651—1803510		B	MCV 1.5/11-G-3.81	11	3.81	43.3	9.2	3.11	2.88	2.30
651—1803523		B	MCV 1.5/12-G-3.81	12	3.81	47.11	9.2	3.40	3.15	2.52
651—1803536		B	MCV 1.5/13-G-3.81	13	3.81	50.92	9.2	3.68	3.41	2.73
651—1803549		B	MCV 1.5/14-G-3.81	14	3.81	54.73	9.2	3.90	3.61	2.89
651—1803552		B	MCV 1.5/15-G-3.81	15	3.81	58.54	9.2	4.24	3.93	3.14
651—1803565		B	MCV 1.5/16-G-3.81	16	3.81	62.35	9.2	4.53	4.20	3.36
3.81mm PCB Terminal Blocks Headers - 45° Socket-to-Pin Orientation										
UL:300V @ 8A, Green Color										
651—1827279		C	SMC 1.5/2-G-3.81	2	3.81	9.01	11	.74	.69	.55
651—1827282		C	SMC 1.5/3-G-3.81	3	3.81	12.82	11	1.07	.99	.79
651—1827295		C	SMC 1.5/4-G-3.81	4	3.81	16.63	11	1.43	1.33	1.06
651—1827305		C	SMC 1.5/5-G-3.81	5	3.81	20.44	11	1.80	1.66	1.33
651—1827318		C	SMC 1.5/6-G-3.81	6	3.81	24.25	11	2.17	2.01	1.61
651—1827321		C	SMC 1.5/7-G-3.81	7	3.81	28.06	11	2.51	2.33	1.86
651—1827334		C	SMC 1.5/8-G-3.81	8	3.81	31.87	11	2.86	2.65	2.12
651—1827347		C	SMC 1.5/9-G-3.81	9	3.81	35.68	11	3.23	2.99	2.39
651—1827350		C	SMC 1.5/10-G-3.81	10	3.81	39.49	11	3.58	3.31	2.65
651—1827376		C	SMC 1.5/12-G-3.81	12	3.81	47.11	11	4.31	3.99	3.19

Double Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
3.81mm Double Level Terminal Blocks Headers - 90° Socket-to-Pin Orientation										
UL:300V @ 8A, Green Color										
651—1843075		D	MCD 1.5/2-G1-3.81	2	12.70	9.01	22.7	1.93	1.79	1.43
651—1843088		D	MCD 1.5/3-G1-3.81	3	12.70	12.82	22.7	2.89	2.68	2.14
651—1843091		D	MCD 1.5/4-G1-3.81	4	12.70	16.63	22.7	3.85	3.56	2.85
651—1843101		D	MCD 1.5/5-G1-3.81	5	12.70	20.44	22.7	4.79	4.44	3.55
651—1843114		D	MCD 1.5/6-G1-3.81	6	12.70	24.25	22.7	5.76	5.34	4.27
651—1843127		D	MCD 1.5/7-G1-3.81	7	12.70	28.06	22.7	6.74	6.24	4.99
651—1843130		D	MCD 1.5/8-G1-3.81	8	12.70	31.87	22.7	7.71	7.14	5.71
651—1843143		D	MCD 1.5/9-G1-3.81	9	12.70	35.68	22.7	8.68	8.04	6.43
651—1843156		D	MCD 1.5/10-G1-3.81	10	12.70	39.49	22.7	9.61	8.90	7.12
651—1843172		D	MCD 1.5/12-G1-3.81	12	12.70	47.11	22.7	11.53	10.68	8.54

3.81MM PLUGS

File# E60425

Screw Clamp Wire Termination

For quantities of 100 and up, call for qu

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	
3.81mm Terminal Block Plugs -180° Wire-to-Plug Orientation										
UL: 300V @ 8A, 30-14 AWG, Green Color										
651—1803578		E	MC 1.5/2-ST-3.81	2	3.81	8.41	15.5	1.63	1.51	1
651—1803581		E	MC 1.5/3-ST-3.81	3	3.81	12.22	15.5	2.44	2.26	1
651—1803594		E	MC 1.5/4-ST-3.81	4	3.81	16.03	15.5	3.26	3.02	2
651—1803604		E	MC 1.5/5-ST-3.81	5	3.81	19.84	15.5	4.11	3.80	3
651—1803617		E	MC 1.5/6-ST-3.81	6	3.81	23.65	15.5	4.88	4.52	3
651—1803620		E	MC 1.5/7-ST-3.81	7	3.81	27.46	15.5	5.70	5.28	4
651—1803633		E	MC 1.5/8-ST-3.81	8	3.81	31.27	15.5	6.51	6.03	4
651—1803646		E	MC 1.5/9-ST-3.81	9	3.81	35.08	15.5	7.33	6.78	5
651—1803659		E	MC 1.5/10-ST-3.81	10	3.81	38.89	15.5	8.14	7.54	6
651—1803662		E	MC 1.5/11-ST-3.81	11	3.81	42.07	15.5	8.95	8.29	6
651—1803675		E	MC 1.5/12-ST-3.81	12	3.81	46.51	15.5	9.76	9.03	7
3.81mm Terminal Block Plugs -90° Wire-to-Plug Orientation										
UL: 300V @ 8A, 30-14 AWG, Green Color										
651—1827127		F	MCVR 1.5/2-ST-3.81	2	3.81	8.41	19.1	1.76	1.63	1
651—1827130		F	MCVR 1.5/3-ST-3.81	3	3.81	12.22	19.1	2.63	2.44	1
651—1827143		F	MCVR 1.5/4-ST-3.81	4	3.81	16.03	19.1	3.51	3.25	2
651—1827156		F	MCVR 1.5/5-ST-3.81	5	3.81	19.84	19.1	4.39	4.06	3
651—1827169		F	MCVR 1.5/6-ST-3.81	6	3.81	23.65	19.1	5.27	4.88	3
651—1827172		F	MCVR 1.5/7-ST-3.81	7	3.81	27.46	19.1	6.14	5.69	4
651—1827185		F	MCVR 1.5/8-ST-3.81	8	3.81	31.27	19.1	7.02	6.50	5
651—1827198		F	MCVR 1.5/9-ST-3.81	9	3.81	35.08	19.1	7.90	7.31	5
651—1827208		F	MCVR 1.5/10-ST-3.81	10	3.81	38.89	19.1	8.78	8.13	6
651—1827224		F	MCVR 1.5/12-ST-3.81	12	3.81	46.51	19.1	10.53	9.75	7
651—1827237		F	MCVR 1.5/13-ST-3.81	13	3.81	50.32	19.1	11.41	10.56	8
651—1827240		F	MCVR 1.5/14-ST-3.81	14	3.81	54.13	19.1	12.29	11.38	9
651—1827266		F	MCVR 1.5/16-ST-3.81	16	3.81	61.75	19.1	14.04	13.00	10
3.81mm Terminal Block Plugs -270° Wire-to-Plug Orientation										
UL: 300V @ 8A, 30-14 AWG, Green Color										
651—1826979		G	MCVW 1.5/2-ST-3.81	2	3.81	8.41	19.1	1.76	1.63	1
651—1826982		G	MCVW 1.5/3-ST-3.81	3	3.81	12.22	19.1	2.63	2.44	1
651—1826995		G	MCVW 1.5/4-ST-3.81	4	3.81	16.03	19.1	3.51	3.25	2
651—1827004		G	MCVW 1.5/5-ST-3.81	5	3.81	19.84	19.1	4.39	4.06	3
651—1827017		G	MCVW 1.5/6-ST-3.81	6	3.81	23.65	19.1	5.27	4.88	3
651—1827020		G	MCVW 1.5/7-ST-3.81	7	3.81	27.46	19.1	6.14	5.69	4
651—1827033		G	MCVW 1.5/8-ST-3.81	8	3.81	31.27	19.1	7.02	6.50	5
651—1827046		G	MCVW 1.5/9-ST-3.81	9	3.81	35.08	19.1	7.90	7.31	5
651—1827059		G	MCVW 1.5/10-ST-3.81	10	3.81	38.89	19.1	8.78	8.13	6
651—1827062		G	MCVW 1.5/11-ST-3.81	11	3.81	42.07	19.1	9.65	8.94	7
651—1827075		G	MCVW 1.5/12-ST-3.81	12	3.81	46.51	19.1	10.53	9.75	7
651—1827091		G	MCVW 1.5/14-ST-3.81	14	3.81	54.13	19.1	12.29	11.38	9
651—1827114		G	MCVW 1.5/16-ST-3.81	16	3.81	61.75	19.1	14.04	13.00	10

Insulation Displacement Wire Termination

For quantities of 100 and up, call for qu

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	
3.81mm IDC Terminal Block Plugs -180° Wire-to-Plug Orientation										
UL: 300V @ 8A, 30-14 AWG, Green Color										
651—1897393		H	QC 0.5/2-ST-3.81	2	3.81	8.41	22.3	2.50	2.31	1
651—1897403		H	QC 0.5/3-ST-3.81	3	3.81	12.22	22.3	3.74	3.46	2
651—1897416		H	QC 0.5/4-ST-3.81	4	3.81	16.03	22.3	4.98	4.61	3
651—1897429		H	QC 0.5/5-ST-3.81	5	3.81	19.84	22.3	6.30	5.84	4
651—1897432		H	QC 0.5/6-ST-3.81	6	3.81	23.65	22.3	7.49	6.94	5
651—1897445		H	QC 0.5/7-ST-3.81	7	3.81	27.46	22.3	8.73	8.09	6
651—1897458		H	QC 0.5/8-ST-3.81	8	3.81	31.27	22.3	9.99	9.25	7
651—1897461		H	QC 0.5/9-ST-3.81	9	3.81	35.08	22.3	11.23	10.40	8
651—1897474		H	QC 0.5/10-ST-3.81	10	3.81	38.89	22.3	12.49	11.56	9
651—1897487		H	QC 0.5/11-ST-3.81	11	3.81	42.7	22.3	13.74	12.73	10
651—1897490		H	QC 0.5/12-ST-3.81	12	3.81	46.51	22.3	14.97	13.86	11

MOUSER ELECTRONICS
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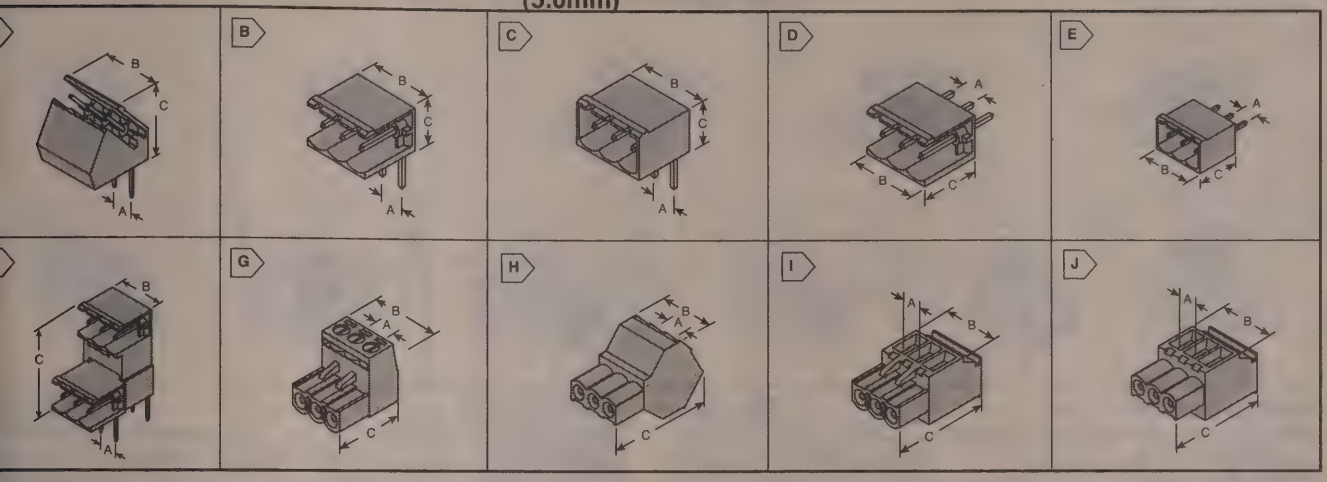
(800) 346-6873

PHOENIX CONTACT Pluggable Terminal Blocks

(5.0mm)

PHOENIX CONTACT
INSPIRING INNOVATIONS



5.0MM HEADERS

Single Level, Through-Hole Solder Mounting

File# E60425

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr. Part No.				A	B	C	1	10	50
5.0mm PCB Terminal Block Headers (w/o side panels) - 135° Socket-to-Pin Orientation									
UL:150V @ 15A and 300V @ 10A, Green Color									
651—1769230	A	SMSTB 2.5/2-G	2	5	10	14.8	.58	.54	.43
651—1769243	A	SMSTB 2.5/3-G	3	5	15	14.8	.85	.79	.63
651—1769256	A	SMSTB 2.5/4-G	4	5	20	14.8	1.13	1.05	.84
651—1769272	A	SMSTB 2.5/6-G	6	5	30	14.8	1.70	1.58	1.26
651—1769298	A	SMSTB 2.5/8-G	8	5	40	14.8	2.27	2.10	1.68
651—1769308	A	SMSTB 2.5/9-G	9	5	45	14.8	2.55	2.36	1.89
5.0mm PCB Terminal Block Headers (w/o side panels) - 90° Socket-to-Pin Orientation									
UL:150V @ 15A and 300V @ 10A, Green Color									
651—1754436	B	MSTB 2.5/2-G	2	5	10	8.6	.49	.45	.36
651—1754452	B	MSTB 2.5/3-G	3	5	15	8.6	.73	.68	.54
651—1754478	B	MSTB 2.5/4-G	4	5	20	8.6	.97	.90	.72
651—1754494	B	MSTB 2.5/5-G	5	5	25	8.6	1.22	1.13	.90
651—1754517	B	MSTB 2.5/6-G	6	5	30	8.6	1.45	1.34	1.07
651—1754533	B	MSTB 2.5/7-G	7	5	35	8.6	1.69	1.56	1.25
651—1754559	B	MSTB 2.5/8-G	8	5	40	8.6	1.93	1.79	1.43
651—1754575	B	MSTB 2.5/9-G	9	5	45	8.6	2.17	2.01	1.61
651—1754591	B	MSTB 2.5/10-G	10	5	50	8.6	2.42	2.24	1.79
651—1754614	B	MSTB 2.5/11-G	11	5	55	8.6	2.66	2.46	1.97
651—1754630	B	MSTB 2.5/12-G	12	5	60	8.6	2.90	2.69	2.15
5.0mm PCB Terminal Block Headers - 90° Socket-to-Pin Orientation									
UL:150V @ 15A and 300V @ 10A, Green Color									
651—1757475	C	MSTBA2.5/2-G	2	5	12	8.6	.49	.45	.36
651—1757488	C	MSTBA2.5/3-G	3	5	17	8.6	.73	.68	.54
651—1757491	C	MSTBA2.5/4-G	4	5	22	8.6	.97	.90	.72
651—1757501	C	MSTBA2.5/5-G	5	5	27	8.6	1.22	1.13	.90
651—1757514	C	MSTBA2.5/6-G	6	5	32	8.6	1.45	1.34	1.07
651—1755493	C	MSTBA2.5/7-G	7	5	37	8.6	1.69	1.56	1.25
651—1757527	C	MSTBA2.5/8-G	8	5	42	8.6	1.93	1.79	1.43
651—1757530	C	MSTBA2.5/9-G	9	5	47	8.6	2.17	2.01	1.61
651—1757543	C	MSTBA2.5/10-G	10	5	52	8.6	2.42	2.24	1.79
651—1757556	C	MSTBA2.5/11-G	11	5	57	8.6	2.66	2.46	1.97
651—1757569	C	MSTBA2.5/12-G	12	5	62	8.6	2.90	2.69	2.15
5.0mm PCB Terminal Block Headers (w/o side panels) - 180° Socket-to-Pin Orientation									
UL:150V @ 15A and 300V @ 10A, Green Color									
651—1753437	D	MSTBV 2.5/2-G	2	5	10	12	.49	.45	.36
651—1753453	D	MSTBV 2.5/3-G	3	5	15	12	.73	.68	.54
651—1753479	D	MSTBV 2.5/4-G	4	5	20	12	.97	.90	.72
651—1753495	D	MSTBV 2.5/5-G	5	5	25	12	1.22	1.13	.90
651—1753518	D	MSTBV 2.5/6-G	6	5	30	12	1.45	1.34	1.07
651—1753534	D	MSTBV 2.5/7-G	7	5	35	12	1.69	1.56	1.25
651—1753550	D	MSTBV 2.5/8-G	8	5	40	12	1.93	1.79	1.43
651—1753576	D	MSTBV 2.5/9-G	9	5	45	12	2.17	2.01	1.61
651—1753592	D	MSTBV 2.5/10-G	10	5	50	12	2.42	2.24	1.79
651—1753631	D	MSTBV 2.5/12-G	12	5	60	12	2.90	2.69	2.15
5.0mm PCB Terminal Block Headers - 180° Socket-to-Pin Orientation									
UL:150V @ 15A and 300V @ 10A, Green Color									
651—1755516	E	MSTBVA2.5/2-G	2	5	12	12	.49	.45	.36
651—1755529	E	MSTBVA2.5/3-G	3	5	17	12	.73	.68	.54
651—1755532	E	MSTBVA2.5/4-G	4	5	22	12	.97	.90	.72
651—1755545	E	MSTBVA2.5/5-G	5	5	27	12	1.22	1.13	.90
651—1755558	E	MSTBVA2.5/6-G	6	5	32	12	1.45	1.34	1.07
651—1755561	E	MSTBVA2.5/7-G	7	5	37	12	1.69	1.56	1.25
651—1755574	E	MSTBVA2.5/8-G	8	5	42	12	1.93	1.79	1.43
651—1755587	E	MSTBVA2.5/9-G	9	5	47	12	2.17	2.01	1.61
651—1755503	E	MSTBVA2.5/10-G	10	5	52	12	2.42	2.24	1.79
651—1755590	E	MSTBVA2.5/11-G	11	5	57	12	2.66	2.46	1.97
651—1755600	E	MSTBVA2.5/12-G	12	5	62	12	2.90	2.69	2.15

5.0MM HEADERS (cont)

Double Level, Through-Hole Solder Mounting

File# E60425

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr. Part No.				A	B	C	1	10	50
5.0mm Terminal Block Headers (w/o side panels) -90° Socket-to-Pin Orient.									
UL: 150V @ 15A									
651—1762046	F	MDSTB 2.5/2-G	2	5	10	23.5	1.77	1.64	1.31
651—1762059	F	MDSTB 2.5/3-G	3	5	15	23.5	2.65	2.45	1.96

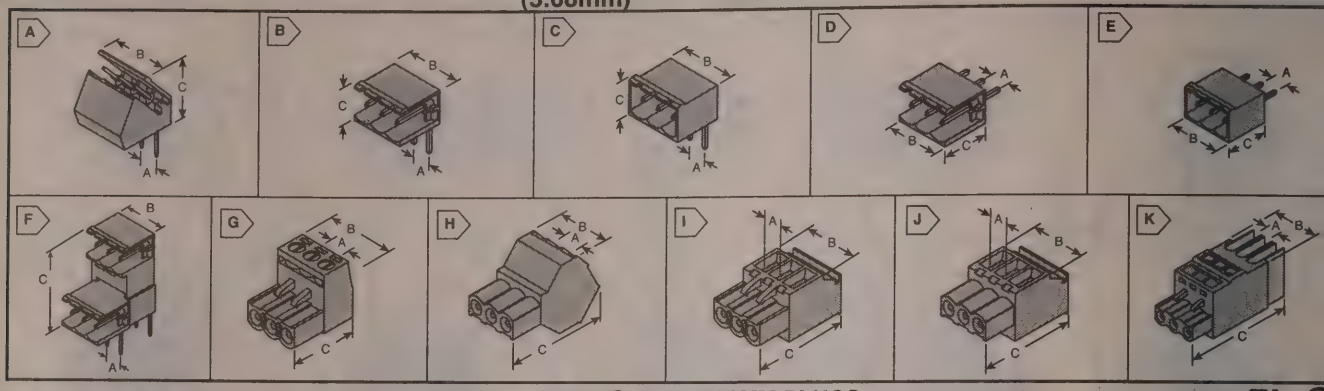
5.0MM PLUGS

Screw Clamp Wire Termination

File# E60425

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr. Part No.				A	B	C	1	10	50
5.0mm Terminal Block Plugs - 180° Wire-to-Plug Orientation									
UL:150V @ 15A and 300V @ 10A, 30-12 AWG, Green Color									
651—1754449	G	MSTB 2.5/2-ST	2	5	10	18.2	1.40	1.29	1.04
651—1754465	G	MSTB 2.5/3-ST	3	5	15	18.2	2.09	1.94	1.55
651—1754481	G	MSTB 2.5/4-ST	4	5	20	18.2	2.78	2.58	2.06
651—1754504	G	MSTB 2.5/5-ST	5	5	25	18.2	3.47	3.22	2.57
651—1754520	G	MSTB 2.5/6-ST	6	5	30	18.2	4.17	3.86	3.09
651—1754546	G	MSTB 2.5/7-ST	7	5	35	18.2	4.86	4.50	3.60
651—1754562	G	MSTB 2.5/8-ST	8	5	40	18.2	5.55	5.14	4.11
651—1754588	G	MSTB 2.5/9-ST	9	5	45	18.2	6.26	5.79	4.64
651—1754601	G	MSTB 2.5/10-ST	10	5	50	18.2	6.95	6.44	5.15
651—1754627	G	MSTB 2.5/11-ST	11	5	55	18.2	7.64	7.08	5.66
651—1754643	G	MSTB 2.5/12-ST	12	5	60	18.2	8.33	7.72	6.17
5.0mm Terminal Block Plugs - 135° Wire-to-Plug Orientation									
UL:150V @ 15A and 300V @ 10A, 30-12 AWG, Green Color									
651—1768765	H	SMSTB 2.5/2-ST	2	5	10	25.5	1.90	1.76	1.41
651—1768778	H	SMSTB 2.5/3-ST	3	5	15	25.5	2.85	2.64	2.11
651—1768781	H	SMSTB 2.5/4-ST	4	5	20	25.5	3.81	3.53	2.82
651—1768794	H	SMSTB 2.5/5-ST	5	5	25	25.5	4.75	4.40	3.52
651—1768804	H	SMSTB 2.5/6-ST	6	5	30	25.5	5.71	5.29	4.23
651—1768817	H	SMSTB 2.5/7-ST	7	5	35	25.5	6.67	6.18	4.94
651—1768448	H	SMSTB 2.5/8-ST	8	5	40	25.5	7.61	7.05	5.64
651—1768820	H	SMSTB 2.5/9-ST	9	5	45	25.5	8.57	7.94	6.35
651—1768833	H	SMSTB 2.5/10-ST	10	5	50	25.5	9.52	8.81	7.05
651—1768859	H	SMSTB 2.5/12-ST	12	5	60	25.5	11.42	10.58	8.46
5.0mm Terminal Block Plugs - 90° Wire-to-Plug Orientation									
UL:150V @ 15A and 300V @ 10A, 30-12 AWG, Green Color									
651—1792016	I	MVSTBR 2.5/2-ST	2	5	10	26	1.60	1.49	1.19
651—1792029	I	MVSTBR 2.5/3-ST	3	5	15	26	2.39	2.22	1.77
651—1792032	I	MVSTBR 2.5/4-ST	4	5	20	26	3.20	2.96	2.37
651—1792045	I	MVSTBR 2.5/5-ST	5	5	25	26	4.00	3.70	2.96
651—1792058	I	MVSTBR 2.5/6-ST	6	5	30	26	4.80	4.44	3.56
651—1792061	I	MVSTBR 2.5/7-ST	7	5	35	26	5.60	5.19	4.15
651—1792074	I	MVSTBR 2.5/8-ST	8	5	40	26	6.40	5.93	4.74
651—1792087	I	MVSTBR 2.5/9-ST	9	5	45	26	5.85	5.26	4.73
651—1792090	I	MVSTBR 2.5/10-ST	10	5	50	26	7.99	7.40	5.92
651—1792100	I	MVSTBR 2.5/11-ST	11	5	55	26	8.80	8.15	6.52
651—1792113	I	MVSTBR 2.5/12-ST	12	5	60	26	9.60	8.89	7.11
5.0mm Terminal Block Plugs - 270° Wire-to-Plug Orientation									
UL:150V @ 15A and 300V @ 10A, 30-12 AWG, Green Color									
651—1792524	J	MVSTBW 2.5/2-ST	2	5	10	26	1.60	1.49	1.19
651—1792537	J	MVSTBW 2.5/3-ST	3	5	15	26	2.39	2.22	1.77
651—1792540	J	MVSTBW 2.5/4-ST	4	5	20	26	3.20	2.96	2.37
651—1792553	J	MVSTBW 2.5/5-ST	5	5	25	26	4.00	3.70	2.96
651—1792566	J	MVSTBW 2.5/6-ST	6	5	30	26	4.80	4.44	3.56
651—1792579	J	MVSTBW 2.5/7-ST	7	5	35	26	5.60	5.19	4.15
651—1792582	J	MVSTBW 2.5/8-ST	8	5	40	26	6.40	5.93	4.74
651—1792595	J	MVSTBW 2.5/9-ST	9	5	45	26	7.20	6.67	5.34
651—1792605	J	MVSTBW 2.5/10-ST	10	5	50	26	7.99	7.40	5.92
651—1792621	J	MVSTBW 2.5/12-ST	12	5	60	26	9.60	8.89	7.11



5.08MM HEADERS

File# E60425

Single Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
5.08mm PCB Terminal Block Headers (w/o side panels) - 135° Socket-to-Pin Orientation										
UL:150V @ 15A and 300V @ 10A, Green Color										
651—1769463		A	SMSTB 2.5/2-G-5.08	2	5.08	10.16	14.8	.58	.54	.43
651—1769476		A	SMSTB 2.5/3-G-5.08	3	5.08	15.24	14.8	.85	.79	.63
651—1769489		A	SMSTB 2.5/4-G-5.08	4	5.08	20.32	14.8	1.13	1.05	.84
651—1769492		A	SMSTB 2.5/5-G-5.08	5	5.08	25.4	14.8	1.42	1.31	1.05
651—1769502		A	SMSTB 2.5/6-G-5.08	6	5.08	30.48	14.8	1.70	1.58	1.26
651—1769515		A	SMSTB 2.5/7-G-5.08	7	5.08	35.56	14.8	2.00	1.85	1.48
651—1769528		A	SMSTB 2.5/8-G-5.08	8	5.08	40.64	14.8	2.27	2.10	1.68
651—1769544		A	SMSTB 2.5/10-G-5.08	10	5.08	50.8	14.8	2.84	2.63	2.10
651—1769560		A	SMSTB 2.5/12-G-5.08	12	5.08	60.96	14.8	3.40	3.15	2.52
5.08mm PCB Terminal Block Headers (w/o side panels) - 90° Socket-to-Pin Orientation										
UL:150V @ 15A and 300V @ 10A, Green Color										
651—1759017		B	MSTB 2.5/2-G-5.08	2	5.08	10.16	8.6	.49	.45	.36
651—1759020		B	MSTB 2.5/3-G-5.08	3	5.08	15.24	8.6	.73	.68	.54
651—1759033		B	MSTB 2.5/4-G-5.08	4	5.08	20.32	8.6	.97	.90	.72
651—1759046		B	MSTB 2.5/5-G-5.08	5	5.08	25.4	8.6	1.22	1.13	.90
651—1759059		B	MSTB 2.5/6-G-5.08	6	5.08	30.48	8.6	1.45	1.34	1.07
651—1759062		B	MSTB 2.5/7-G-5.08	7	5.08	35.56	8.6	1.69	1.56	1.25
651—1759075		B	MSTB 2.5/8-G-5.08	8	5.08	40.64	8.6	1.93	1.79	1.43
651—1759088		B	MSTB 2.5/9-G-5.08	9	5.08	45.72	8.6	2.17	2.01	1.61
651—1759091		B	MSTB 2.5/10-G-5.08	10	5.08	50.8	8.6	2.42	2.24	1.79
651—1759114		B	MSTB 2.5/12-G-5.08	12	5.08	60.96	8.6	2.90	2.69	2.15
5.08mm PCB Terminal Block Headers - 90° Socket-to-Pin Orientation										
UL:150V @ 15A and 300V @ 10A, Green Color										
651—1757242		C	MSTBA2.5/2-G-5.08	2	5.08	12.16	8.6	.49	.45	.36
651—1757255		C	MSTBA2.5/3-G-5.08	3	5.08	17.24	8.6	.73	.68	.54
651—1757268		C	MSTBA2.5/4-G-5.08	4	5.08	22.32	8.6	.97	.90	.72
651—1757271		C	MSTBA2.5/5-G-5.08	5	5.08	27.4	8.6	1.22	1.13	.90
651—1757284		C	MSTBA2.5/6-G-5.08	6	5.08	32.48	8.6	1.45	1.34	1.07
651—1757297		C	MSTBA2.5/7-G-5.08	7	5.08	37.56	8.6	1.69	1.56	1.25
651—1757307		C	MSTBA2.5/8-G-5.08	8	5.08	42.64	8.6	1.93	1.79	1.43
651—1757310		C	MSTBA2.5/9-G-5.08	9	5.08	47.72	8.6	2.17	2.01	1.61
651—1757323		C	MSTBA2.5/10-G-5.08	10	5.08	52.8	8.6	2.42	2.24	1.79
651—1757336		C	MSTBA2.5/11-G-5.08	11	5.08	57.88	8.6	2.66	2.46	1.97
651—1757349		C	MSTBA2.5/12-G-5.08	12	5.08	62.96	8.6	2.90	2.69	2.15
5.08mm PCB Terminal Block Headers (w/o side panels) - 180° Socket-to-Pin Orientation										
UL:150V @ 15A and 300V @ 10A, Green Color										
651—1758018		D	MSTBV 2.5/2-G-5.08	2	5.08	10.16	12	.49	.45	.36
651—1758021		D	MSTBV 2.5/3-G-5.08	3	5.08	15.24	12	.73	.68	.54
651—1758034		D	MSTBV 2.5/4-G-5.08	4	5.08	20.32	12	.97	.90	.72
651—1758047		D	MSTBV 2.5/5-G-5.08	5	5.08	25.4	12	1.22	1.13	.90
651—1758050		D	MSTBV 2.5/6-G-5.08	6	5.08	30.48	12	1.45	1.34	1.07
651—1758063		D	MSTBV 2.5/7-G-5.08	7	5.08	35.56	12	1.69	1.56	1.25
651—1758076		D	MSTBV 2.5/8-G-5.08	8	5.08	40.64	12	1.93	1.79	1.43
651—1758089		D	MSTBV 2.5/9-G-5.08	9	5.08	45.72	12	2.17	2.01	1.61
651—1758092		D	MSTBV 2.5/10-G-5.08	10	5.08	50.8	12	2.42	2.24	1.79
651—1758115		D	MSTBV 2.5/12-G-5.08	12	5.08	60.96	12	2.90	2.69	2.15
5.08mm PCB Terminal Block Headers - 180° Socket-to-Pin Orientation										
UL:150V @ 15A and 300V @ 10A, Green Color										
651—1755736		E	MSTBVA2.5/2-G-5.08	2	5.08	12.16	12	.49	.45	.36
651—1755749		E	MSTBVA2.5/3-G-5.08	3	5.08	17.24	12	.73	.68	.54
651—1755752		E	MSTBVA2.5/4-G-5.08	4	5.08	22.32	12	.97	.90	.72
651—1755765		E	MSTBVA2.5/5-G-5.08	5	5.08	27.4	12	1.22	1.13	.90
651—1755778		E	MSTBVA2.5/6-G-5.08	6	5.08	32.48	12	1.45	1.34	1.07
651—1755781		E	MSTBVA2.5/7-G-5.08	7	5.08	37.56	12	1.69	1.56	1.25
651—1755794		E	MSTBVA2.5/8-G-5.08	8	5.08	42.64	12	1.93	1.79	1.43
651—1755804		E	MSTBVA2.5/9-G-5.08	9	5.08	47.72	12	2.17	2.01	1.61
651—1755817		E	MSTBVA2.5/10-G-5.08	10	5.08	52.8	12	2.42	2.24	1.79
651—1755820		E	MSTBVA2.5/11-G-5.08	11	5.08	57.88	12	2.66	2.46	1.97
651—1755833		E	MSTBVA2.5/12-G-5.08	12	5.08	62.96	12	2.90	2.69	2.15

Double Level, Through-Hole Solder Mounting

5.08mm Terminal Block Headers (w/o side panels) - 90° Socket-to-Pin Orient.										
UL:150V @ 15A and 300V @ 10A, Green Color										
651—1762062		F	MDSTB 2.5/2-G-5.08	2	5.08	10.16	23.5	1.77	1.64	1.31
651—1762075		F	MDSTB 2.5/3-G-5.08	3	5.08	15.24	23.5	2.65	2.45	1.96

5.08MM PLUGS

File# E60425

Screw Clamp Wire Termination

For quantities of 100 and up, call for qu

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	5
5.08mm Terminal Block Plugs - 180° Wire-to-Plug Orientation										
UL:150V @ 15A and 300V @ 10A, 30-12 AWG										
651—1757019		G	MSTB 2.5/2-ST-5.08	2	5.08	10.16	18.2	1.40	1.29	1.
651—1757022		G	MSTB 2.5/3-ST-5.08	3	5.08	15.24	18.2	2.09	1.94	1.
651—1757035		G	MSTB 2.5/4-ST-5.08	4	5.08	20.32	18.2	2.78	2.58	2.
651—1757048		G	MSTB 2.5/5-ST-5.08	5	5.08	25.4	18.2	3.47	3.22	2.
651—1757051		G	MSTB 2.5/6-ST-5.08	6	5.08	30.48	18.2	4.17	3.86	3.
651—1757064		G	MSTB 2.5/7-ST-5.08	7	5.08	35.56	18.2	4.86	4.50	3.
651—1757077		G	MSTB 2.5/8-ST-5.08	8	5.08	40.64	18.2	5.55	5.14	4.
651—1757080		G	MSTB 2.5/9-ST-5.08	9	5.08	45.72	18.2	6.26	5.79	4.
651—1757093		G	MSTB 2.5/10-ST-5.08	10	5.08	50.8	18.2	6.95	6.44	5.
651—1757103		G	MSTB 2.5/11-ST-5.08	11	5.08	55.88	18.2	7.64	7.08	5.
651—1757116		G	MSTB 2.5/12-ST-5.08	12	5.08	60.96	18.2	8.33	7.72	6.
5.08mm Terminal Block Plugs - 135° Wire-to-Plug Orientation										
UL:150V @ 15A and 300V @ 10A, 30-12 AWG										
651—1826283		H	SMSTB 2.5/2-ST-5.08	2	5.08	10.16	25.5	1.90	1.76	1.
651—1826296		H	SMSTB 2.5/3-ST-5.08	3	5.08	15.24	25.5	2.85	2.64	2.
651—1826306		H	SMSTB 2.5/4-ST-5.08	4	5.08	20.32	25.5	3.81	3.53	2.
651—1826319		H	SMSTB 2.5/5-ST-5.08	5	5.08	25.4	25.5	4.75	4.40	3.
651—1826322		H	SMSTB 2.5/6-ST-5.08	6	5.08	30.48	25.5	5.71	5.29	4.
651—1826335		H	SMSTB 2.5/7-ST-5.08	7	5.08	35.56	25.5	6.67	6.18	4.
651—1826348		H	SMSTB 2.5/8-ST-5.08	8	5.08	40.64	25.5	7.61	7.05	5.
651—1826351		H	SMSTB 2.5/9-ST-5.08	9	5.08	45.72	25.5	8.57	7.94	6.
651—1826364		H	SMSTB 2.5/10-ST-5.08	10	5.08	50.8	25.5	9.52	8.81	7.
651—1826377		H	SMSTB 2.5/11-ST-5.08	11	5.08	55.88	25.5	10.48	9.70	7.
651—1826380		H	SMSTB 2.5/12-ST-5.08	12	5.08	60.96	25.5	11.42	10.58	8.
5.08mm Terminal Block Plugs - 90° Wire-to-Plug Orientation										
UL:150V @ 15A and 300V @ 10A, 30-12 AWG										
651—1792249		I	MVSTBR 2.5/2-ST-5.08	2	5.08	10.16	26	1.60	1.49	1.
651—1792252		I	MVSTBR 2.5/3-ST-5.08	3	5.08	15.24	26	2.39	2.22	1.
651—1792265		I	MVSTBR 2.5/4-ST-5.08	4	5.08	20.32	26	3.20	2.96	2.
651—1792278		I	MVSTBR 2.5/5-ST-5.08	5	5.08	25.4	26	4.00	3.70	2.
651—1792281		I	MVSTBR 2.5/6-ST-5.08	6	5.08	30.48	26	4.80	4.44	3.
651—1792294		I	MVSTBR 2.5/7-ST-5.08	7	5.08	35.56	26	5.60	5.19	4.
651—1792304		I	MVSTBR 2.5/8-ST-5.08	8	5.08	40.64	26	6.40	5.93	4.
651—1792317		I	MVSTBR 2.5/9-ST-5.08	9	5.08	45.72	26	7.20	6.67	5.
651—1792320		I	MVSTBR 2.5/10-ST-5.08	10	5.08	50.8	26	7.99	7.40	5.
651—1792333		I	MVSTBR 2.5/11-ST-5.08	11	5.08	55.88	26	8.80	8.15	6.
651—1792346		I	MVSTBR 2.5/12-ST-5.08	12	5.08	60.96	26	9.60	8.89	7.
5.08mm Terminal Block Plugs - 270° Wire-to-Plug Orientation										
UL:150V @ 15A and 300V @ 10A, 30-12 AWG										
651—1792757		J	MVSTBW 2.5/2-ST-5.08	2	5.08	10.16	26	1.60	1.49	1.
651—1792760		J	MVSTBW 2.5/3-ST-5.08	3	5.08	15.24	26	2.39	2.22	1.
651—1792773		J	MVSTBW 2.5/4-ST-5.08	4	5.08	20.32	26	3.20	2.96	2.
651—1792786		J	MVSTBW 2.5/5-ST-5.08	5	5.08	25.4	26	4.00	3.70	2.
651—1792799		J	MVSTBW 2.5/6-ST-5.08	6	5.08	30.48	26	4.80	4.44	3.
651—1792809		J	MVSTBW 2.5/7-ST-5.08	7	5.08	35.56	26	5.60	5.19	4.
651—1792812		J	MVSTBW 2.5/8-ST-5.08	8	5.08	40.64	26	6.40	5.93	4.
651—1792825		J	MVSTBW 2.5/9-ST-5.08	9	5.08	45.72	26	7.20	6.67	5.
651—1792838		J	MVSTBW 2.5/10-ST-5.08	10	5.08	50.8	26	7.99	7.40	5.
651—1792841		J	MVSTBW 2.5/11-ST-5.08	11	5.08	55.88	26	8.80	8.15	6.
651—1792854		J	MVSTBW 2.5/12-ST-5.08	12	5.08	60.96	26	9.60	8.89	7.

Insulation Displacement Wire Termination

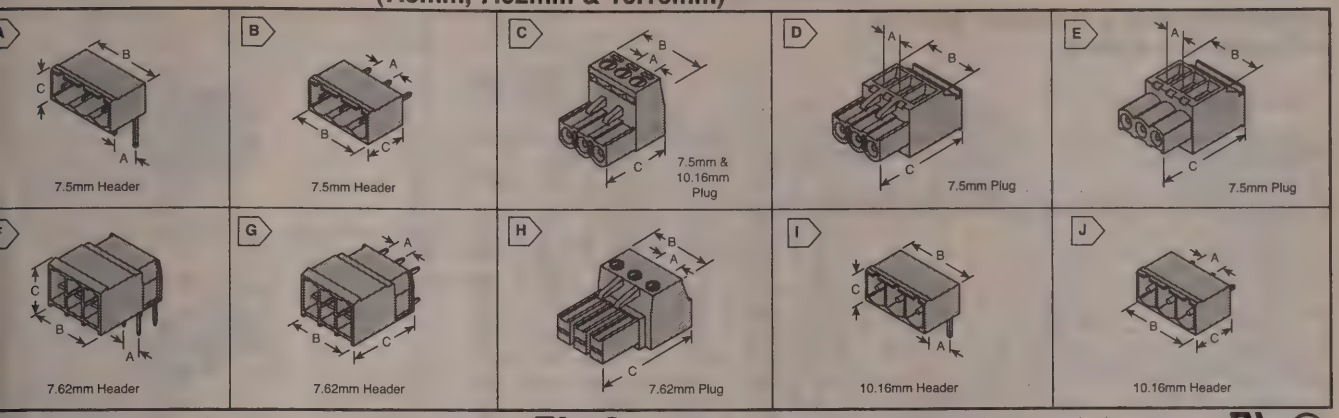
For quantities of 100 and up, call for quo

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	5
5.08mm IDC Terminal Block Plugs - 180° Wire-to-Plug Orientation										
UL: 300V @ 10A, 22-18 AWG, Green Color										
651—1883255		K	QC 1/2-ST-5.08	2	5.08	10.16	28.2	2.34	2.16	1.7
651—1883268		K	QC 1/3-ST-5.08	3	5.08	15.24	28.2	3.51	3.25	2.6
651—1883271		K	QC 1/4-ST-5.08	4	5.08	20.32	28.2	4.67	4.33	3.4
651—1883284		K	QC 1/5-ST-5.08	5	5.08	25.4	28.2	5.85	5.41	4.3
651—1883297		K	QC 1/6-ST-5.08	6	5.08	30.48	28.2	7.01	6.49	5.1
651—1883307		K	QC 1/7-ST-5.08	7	5.08	35.56	28.2	8.18	7.58	6.0
651—1883310		K	QC 1/8-ST-5.08	8	5.08	40.64	28.2	9.34	8.65	6.9
651—1883336		K	QC 1/10-ST-5.08	10	5.08	50.8	28.2	11.68	10.81	8.6

PHOENIX CONTACT Pluggable PCB Terminal Blocks

(7.5mm, 7.62mm & 10.16mm)

PHOENIX CONTACT
INSPIRING INNOVATIONS



5MM HEADERS

File# E60425

gle Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
° Socket-to-Pin Orientation UL:300V @ 10A, Green Color										
1	1766343	A	GMSTBA 2.5/2-G	2	7.5	15	8.6	.78	.70	.65
1	1766356	A	GMSTBA 2.5/3-G	3	7.5	22.5	8.6	1.17	1.05	.98
1	1766369	A	GMSTBA 2.5/4-G	4	7.5	30	8.6	1.53	1.38	1.30
1	1766372	A	GMSTBA 2.5/5-G	5	7.5	37.5	8.6	1.91	1.72	1.62
1	1766385	A	GMSTBA 2.5/6-G	6	7.5	45	8.6	2.29	2.07	1.95
1	1766398	A	GMSTBA 2.5/7-G	7	7.5	52.5	8.6	2.70	2.43	2.28
1	1766408	A	GMSTBA 2.5/8-G	8	7.5	60	8.6	3.08	2.78	2.60
1	1766411	A	GMSTBA 2.5/9-G	9	7.5	67.5	8.6	3.49	3.15	2.92
1	1766424	A	GMSTBA 2.5/10-G	10	7.5	75	8.6	3.87	3.49	3.25
1	1766437	A	GMSTBA 2.5/11-G	11	7.5	82.5	8.6	4.25	3.83	3.57
1	1766440	A	GMSTBA 2.5/12-G	12	7.5	90	8.6	4.64	4.18	3.90
0° Socket-to-Pin Orientation UL:300V @ 10A, Green Color										
1	1766660	B	GMSTBVA 2.5/2-G	2	7.5	15	12	.78	.70	.65
1	1766673	B	GMSTBVA 2.5/3-G	3	7.5	22.5	12	1.17	1.05	.98
1	1766686	B	GMSTBVA 2.5/4-G	4	7.5	30	12	1.53	1.38	1.30
1	1766699	B	GMSTBVA 2.5/5-G	5	7.5	37.5	12	1.91	1.72	1.62
1	1766709	B	GMSTBVA 2.5/6-G	6	7.5	45	12	2.29	2.07	1.95
1	1766712	B	GMSTBVA 2.5/7-G	7	7.5	52.5	12	2.70	2.43	2.28
1	1766725	B	GMSTBVA 2.5/8-G	8	7.5	60	12	3.08	2.78	2.60
1	1766738	B	GMSTBVA 2.5/9-G	9	7.5	67.5	12	3.49	3.15	2.92
1	1766741	B	GMSTBVA 2.5/10-G	10	7.5	75	12	3.87	3.49	3.25
1	1766754	B	GMSTBVA 2.5/11-G	11	7.5	82.5	12	4.25	3.83	3.57
1	1766767	B	GMSTBVA 2.5/12-G	12	7.5	90	12	4.64	4.18	3.90

5MM PLUGS

File# E60425

rew Clamp Wire Termination

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
0° Wire-to-Plug Orientation UL: 300V @ 10A, 30-12AWG, Green Color										
1	1766880	C	GMSTB 2.5/2-ST	2	7.5	13	18.2	2.34	2.10	1.97
1	1766893	C	GMSTB 2.5/3-ST	3	7.5	20.5	18.2	3.55	3.20	2.97
1	1766903	C	GMSTB 2.5/4-ST	4	7.5	28	18.2	4.70	4.23	3.96
1	1766916	C	GMSTB 2.5/5-ST	5	7.5	35.5	18.2	5.87	5.28	4.95
1	1766929	C	GMSTB 2.5/6-ST	6	7.5	43	18.2	7.04	6.34	5.93
1	1766932	C	GMSTB 2.5/7-ST	7	7.5	50.5	18.2	8.21	7.38	6.92
1	1766945	C	GMSTB 2.5/8-ST	8	7.5	58	18.2	9.40	8.46	7.91
1	1766958	C	GMSTB 2.5/9-ST	9	7.5	65.5	18.2	10.55	9.49	8.89
1	1766961	C	GMSTB 2.5/10-ST	10	7.5	73	18.2	11.76	10.58	9.89
1	1766974	C	GMSTB 2.5/11-ST	11	7.5	80.5	18.2	12.93	11.64	10.88
1	1766987	C	GMSTB 2.5/12-ST	12	7.5	88	18.2	14.08	12.67	11.87
0° Wire-to-Plug Orientation UL: 300V @ 10A, 30-12AWG, Green Color										
1	1737709	D	GMVSTBR 2.5/2-ST	2	7.5	13	26	2.34	2.10	1.97
1	1737712	D	GMVSTBR 2.5/3-ST	3	7.5	20.5	26	3.55	3.20	2.97
1	1737725	D	GMVSTBR 2.5/4-ST	4	7.5	28	26	4.70	4.23	3.96
1	1737738	D	GMVSTBR 2.5/5-ST	5	7.5	35.5	26	5.87	5.28	4.95
1	1737741	D	GMVSTBR 2.5/6-ST	6	7.5	43	26	7.04	6.34	5.93
1	1737754	D	GMVSTBR 2.5/7-ST	7	7.5	50.5	26	8.21	7.38	6.92
1	1737767	D	GMVSTBR 2.5/8-ST	8	7.5	58	26	9.40	8.46	7.91
1	1737770	D	GMVSTBR 2.5/9-ST	9	7.5	65.5	26	10.55	9.49	8.89
1	1737783	D	GMVSTBR 2.5/10-ST	10	7.5	73	26	11.76	10.58	9.89
1	1737796	D	GMVSTBR 2.5/11-ST	11	7.5	80.5	26	12.93	11.64	10.88
1	1737806	D	GMVSTBR 2.5/12-ST	12	7.5	88	26	14.08	12.67	11.87
0° Wire-to-Plug Orientation UL: 300V @ 10A, 30-12AWG, Green Color										
1	1737819	E	GMVSTBW 2.5/2-ST	2	7.5	13	26	2.34	2.10	1.97
1	1737822	E	GMVSTBW 2.5/3-ST	3	7.5	20.5	26	3.55	3.20	2.97
1	1737835	E	GMVSTBW 2.5/4-ST	4	7.5	28	26	4.70	4.23	3.96
0° Wire-to-Plug Orientation UL: 300V @ 10A, 30-12AWG, Green Color										
1	1737848	E	GMVSTBW 2.5/5-ST	5	7.5	35.5	26	5.87	5.28	4.95
1	1737851	E	GMVSTBW 2.5/6-ST	6	7.5	43	26	7.04	6.34	5.93

7.5MM PLUGS (CON'T)

File# E60425

Screw Clamp Wire Termination

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
270° Wire-to-Plug Orientation UL: 300V @ 10A, 30-12AWG, Green Color										
651	1737864	E	GMVSTBW 2.5/7-ST	7	7.5	50.5	26	8.21	7.38	6.92
651	1737877	E	GMVSTBW 2.5/8-ST	8	7.5	58	26	9.40	8.46	7.91
651	1737880	E	GMVSTBW 2.5/9-ST	9	7.5	65.5	26	10.55	9.49	8.89
651	1737893	E	GMVSTBW 2.5/10-ST	10	7.5	73	26	11.76	10.58	9.89
651	1737903	E	GMVSTBW 2.5/11-ST	11	7.5	80.5	26	12.93	11.64	10.88
651	1737916	E	GMVSTBW 2.5/12-ST	12	7.5	88	26	14.08	12.67	11.87

7.62MM HEADERS

File# E60425

Single Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
90° Socket-to-Pin Orientation UL:300V @ 30A and 600V @ 20A, Green Color										
651	1804797	F	PC 4/2-G-7.62	2	7.62	15.22	14.3	2.55	2.36	1.89
651	1804807	F	PC 4/3-G-7.62	3	7.62	22.84	14.3	3.82	3.54	2.83
651	1804810	F	PC 4/4-G-7.62	4	7.62	30.46	14.3	5.08	4.70	3.76
180° Socket-to-Pin Orientation UL:300V @ 30A and 600V @ 20A, Green Color										
651	1804687	G	PCV 4/2-G-7.62	2	7.62	15.22	29	2.55	2.36	1.89
651	1804690	G	PCV 4/3-G-7.62	3	7.62	22.84	29	3.82	3.54	2.83
651	1804700	G	PCV 4/4-G-7.62	4	7.62	30.46	29	5.08	4.70	3.76

7.62MM PLUGS

File# E60425

Screw Clamp Wire Termination

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
180° Wire-to-Plug Orientation UL: 600V @ 30A, 30-10AWG, Green Color										
651	1848892	H	PC 4 HV/2-ST-7.62	2	7.62	15.22	35.5	3.96	3.66	2.93
651	1848902	H	PC 4 HV/3-ST-7.62	3	7.62	22.84	35.5	5.93	5.49	4.39
651	1848915	H	PC 4 HV/4-ST-7.62	4	7.62	30.46	35.5	7.90	7.31	5.85

10.16MM HEADERS

PRODUCT NEW

File# E60425

Single Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
90° Socket-to-Pin Orientation UL: 300V @ 55A, Green Color										
651	1998933	I	PC 6-16/2-G1-10.16	2	10.16	23.36	13.4	3.38	3.04	2.74
651	1998946	I	PC 6-16/3-G1-10.16	3	10.16	33.52	13.4	5.08	4.57	4.12
651	1998959	I	PC 6-16/4-G1-10.16	4	10.16	43.68	13.4	6.88	6.19	5.57
180° Socket-to-Pin Orientation UL: 300V @ 55A, Green Color										
651	1998784	J	PCV 6-16/2-G1-10.16	2	10.16	23.36	32	3.38	3.04	2.74
651	1998797	J	PCV 6-16/3-G1-10.16	3	10.16	33.52	32	5.08	4.57	4.11
651	1998807	J	PCV 6-16/4-G1-10.16	4	10.16	43.68	32	6.88	6.19	5.57

10.16MM PLUGS

PRODUCT NEW

File# E60425

Screw Clamp Wire Termination

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50
180° Wire-to-Plug Orientation UL: 300V @ 55A, 20-6AWG, Green Color										
651	1967375	C	PC 16/2-ST-10.16	2	10.16	20.16	41.5	5.63	5.07	4.56
651	1967388	C	PC 16/3-ST-10.16	3	10.16	30.32	41.5	8.42	7.57	6.82
651	1967391	C	PC 16/4-ST-10.16	4	10.16	40.48	41.5	11.24	10.11	9.11

Terminal Blocks

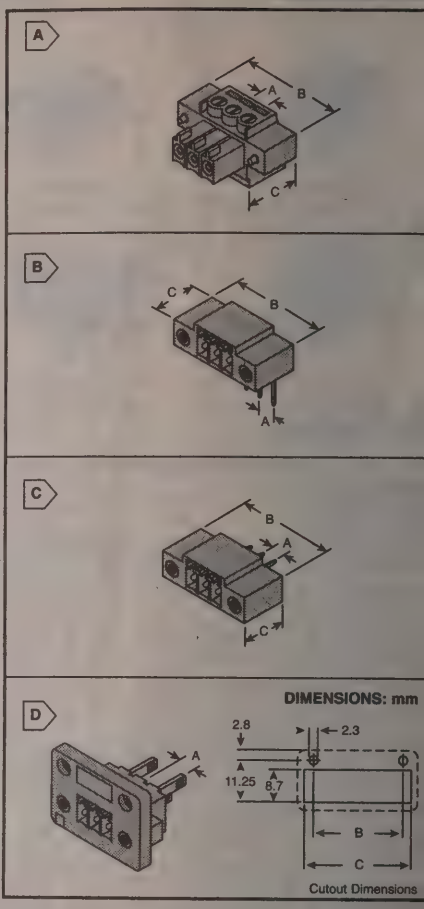
Phoenix Contact

3.81MM PLUGGABLE TERMINAL BLOCKS WITH SCREW FLANGES

- Color: Green
- Captivated Screws
- Max. Voltage: 300V
- Max Current: 8A

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm.) A	B	C	Price Each 1	10	50	100
Plugs with Screw Flange - Wire Size: 30-16 AWG - Screw Clamp Wire Termination											
651—	1827703	A	MC 1.5/2-STF-3.81	2	3.81	8.41	9.50	1.92	1.78	1.42	1.28
651—	1827716	A	MC 1.5/3-STF-3.81	3	3.81	12.22	9.50	2.84	2.63	2.10	1.89
651—	1827729	A	MC 1.5/4-STF-3.81	4	3.81	16.03	9.50	3.75	3.48	2.78	2.50
651—	1827732	A	MC 1.5/5-STF-3.81	5	3.81	19.84	9.50	4.71	4.36	3.49	3.14
651—	1827745	A	MC 1.5/6-STF-3.81	6	3.81	23.65	9.50	5.62	5.20	4.16	3.74
651—	1827761	A	MC 1.5/8-STF-3.81	8	3.81	27.46	9.50	7.45	6.90	5.52	4.97
651—	1827787	A	MC 1.5/10-STF-3.81	10	3.81	31.27	9.50	9.32	8.63	6.90	6.21
651—	1827800	A	MC 1.5/12-STF-3.81	12	3.81	35.08	9.50	11.16	10.34	8.27	7.44
Horizontal Headers with Threaded Flange											
651—	1827868	B	MC 1.5/2-GF-3.81	2	3.81	18.01	7.25	2.11	1.95	1.56	1.40
651—	1827871	B	MC 1.5/3-GF-3.81	3	3.81	21.82	7.25	2.43	2.25	1.80	1.62
651—	1827884	B	MC 1.5/4-GF-3.81	4	3.81	25.63	7.25	2.75	2.55	2.04	1.84
651—	1827897	B	MC 1.5/5-GF-3.81	5	3.81	29.44	7.25	3.06	2.84	2.27	2.04
651—	1827907	B	MC 1.5/6-GF-3.81	6	3.81	33.25	7.25	3.40	3.15	2.52	2.27
651—	1827923	B	MC 1.5/8-GF-3.81	8	3.81	37.06	7.25	4.02	3.73	2.98	2.68
651—	1827949	B	MC 1.5/10-GF-3.81	10	3.81	40.87	7.25	4.67	4.33	3.46	3.11
651—	1827965	B	MC 1.5/12-GF-3.81	12	3.81	44.68	7.25	5.32	4.93	3.94	3.55
Vertical Headers with Threaded Flange											
651—	1830596	C	MCV 1.5/2-GF-3.81	2	3.81	18.01	9.20	1.83	1.73	1.38	1.24
651—	1830606	C	MCV 1.5/3-GF-3.81	3	3.81	21.82	9.20	2.29	2.18	1.75	1.58
651—	1830619	C	MCV 1.5/4-GF-3.81	4	3.81	25.63	9.20	2.69	2.49	1.99	1.79
651—	1830622	C	MCV 1.5/5-GF-3.81	5	3.81	29.44	9.20	2.89	2.31	2.08	1.85
651—	1830635	C	MCV 1.5/6-GF-3.81	6	3.81	33.25	9.20	3.31	3.06	2.45	2.21
651—	1830651	C	MCV 1.5/8-GF-3.81	8	3.81	37.06	9.20	3.80	3.04	2.74	2.43
651—	1830677	C	MCV 1.5/10-GF-3.81	10	3.81	40.87	9.20	4.67	4.33	3.46	3.11
651—	1830693	C	MCV 1.5/12-GF-3.81	12	3.81	44.68	9.20	5.21	4.83	3.86	3.47
Panel Feed-Through Headers with Threaded Flange											
651—	1829345	D	DFK-MC 1.5/2-GF-3.81	2	3.81	13.81	18.50	3.13	2.90	2.32	2.09
651—	1829358	D	DFK-MC 1.5/3-GF-3.81	3	3.81	17.62	22.30	3.87	3.59	2.87	2.58
651—	1829361	D	DFK-MC 1.5/4-GF-3.81	4	3.81	21.43	26.10	4.65	4.37	3.46	3.15
651—	1829374	D	DFK-MC 1.5/5-GF-3.81	5	3.81	25.24	29.90	5.63	5.21	4.17	3.75
651—	1829387	D	DFK-MC 1.5/6-GF-3.81	6	3.81	29.05	33.80	6.44	5.96	4.77	4.29
651—	1827596	D	DFK-MC 1.5/8-GF-3.81	8	3.81	36.67	41.40	6.73	5.86	5.63	4.68
651—	1829413	D	DFK-MC 1.5/10-GF-3.81	10	3.81	44.29	49.00	9.54	8.84	7.07	6.36
651—	1829439	D	DFK-MC 1.5/12-GF-3.81	12	3.81	51.91	56.60	10.58	9.80	7.84	7.06
Mounting Hardware for 3.81 mm Panel Feed-Through Headers- (Requires 2 per header for mounting)											
651—	0710015	---	DFK-MC SS	1 ea. of M 2x8 Screw, Washer & Nut				.48	.27	.23	.19



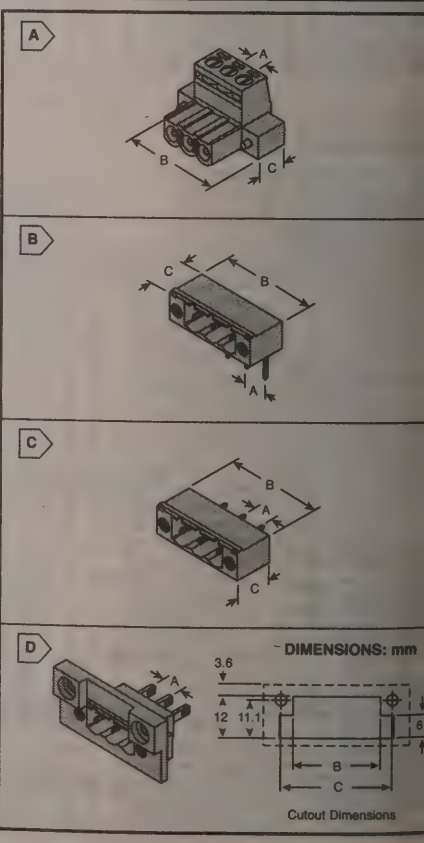
5.08MM PLUGGABLE TERMINAL BLOCKS WITH SCREW FLANGES

- Color: Green
- Captivated Screws
- Max. Voltage: 300V
- Max Current: 10A

E60425

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm.) A	B	C	Price Each 1	10	50	100
Plugs with Screw Flange - Wire Size: 30-12 AWG - Screw Clamp Wire Termination											
651—	1777989	A	MSTB 2.5/2-STF-5.08	2	5.08	10.77	9.90	1.84	1.70	1.36	1.22
651—	1777992	A	MSTB 2.5/3-STF-5.08	3	5.08	15.85	9.90	2.70	2.50	2.00	1.80
651—	1778001	A	MSTB 2.5/4-STF-5.08	4	5.08	20.93	9.90	3.58	3.31	2.65	2.39
651—	1778014	A	MSTB 2.5/5-STF-5.08	5	5.08	26.01	9.90	4.47	4.14	3.31	2.98
651—	1778027	A	MSTB 2.5/6-STF-5.08	6	5.08	31.09	9.90	5.36	4.96	3.97	3.57
651—	1778043	A	MSTB 2.5/8-STF-5.08	8	5.08	36.17	9.90	7.16	6.63	5.30	4.77
651—	1778069	A	MSTB 2.5/10-STF-5.08	10	5.08	41.25	9.90	8.90	8.24	6.59	5.93
Horizontal Headers with Threaded Flange											
651—	1776508	B	MSTB 2.5/2-GF-5.08	2	5.08	20.32	8.60	1.94	1.80	1.44	1.30
651—	1776511	B	MSTB 2.5/3-GF-5.08	3	5.08	25.40	8.60	2.25	2.09	1.67	1.50
651—	1776524	B	MSTB 2.5/4-GF-5.08	4	5.08	30.48	8.60	2.57	2.38	1.90	1.71
651—	1776537	B	MSTB 2.5/5-GF-5.08	5	5.08	35.56	8.60	2.85	2.64	2.11	1.90
651—	1776540	B	MSTB 2.5/6-GF-5.08	6	5.08	40.64	8.60	3.15	2.91	2.33	2.10
651—	1776566	B	MSTB 2.5/8-GF-5.08	8	5.08	45.72	8.60	3.75	3.48	2.78	2.50
651—	1776582	B	MSTB 2.5/10-GF-5.08	10	5.08	50.80	8.60	4.36	4.04	3.23	2.91
Vertical Headers with Threaded Flange											
651—	1777073	C	MSTBV 2.5/2-GF-5.08	2	5.08	20.32	12.00	1.63	1.49	1.41	1.36
651—	1777086	C	MSTBV 2.5/3-GF-5.08	3	5.08	25.40	12.00	2.20	2.04	1.63	1.47
651—	1777099	C	MSTBV 2.5/4-GF-5.08	4	5.08	30.48	12.00	2.57	2.38	1.90	1.71
651—	1777109	C	MSTBV 2.5/5-GF-5.08	5	5.08	35.56	12.00	2.78	2.58	2.06	1.85
651—	1777112	C	MSTBV 2.5/6-GF-5.08	6	5.08	40.64	12.00	3.14	2.91	2.33	2.10
651—	1777138	C	MSTBV 2.5/8-GF-5.08	8	5.08	45.72	12.00	3.66	3.39	2.71	2.44
651—	1777154	C	MSTBV 2.5/10-GF-5.08	10	5.08	50.80	12.00	4.36	4.04	3.23	2.91
Panel Feed-Through Headers with Threaded Flange											
651—	0710170	D	DFK-MSTB 2.5/2-GF-5.08	2	5.08	13.18	20.32	3.36	3.11	2.49	2.24
651—	0710183	D	DFK-MSTB 2.5/3-GF-5.08	3	5.08	18.26	25.40	4.16	3.85	3.08	2.77
651—	0710196	D	DFK-MSTB 2.5/4-GF-5.08	4	5.08	23.34	30.48	4.95	4.58	3.67	3.30
651—	0710206	D	DFK-MSTB 2.5/5-GF-5.08	5	5.08	28.42	35.56	5.74	5.31	4.25	3.83
651—	0710219	D	DFK-MSTB 2.5/6-GF-5.08	6	5.08	33.50	40.64	6.49	6.01	4.81	4.33
651—	0710235	D	DFK-MSTB 2.5/8-GF-5.08	8	5.08	43.66	50.80	8.09	7.49	5.99	5.39
651—	0710251	D	DFK-MSTB 2.5/10-GF-5.08	10	5.08	53.82	60.96	9.67	8.95	7.16	6.44
Mounting Hardware for 5.08 mm Panel Feed-Through Headers - (Requires 2 per header for mounting)											
651—	0708263	---	DFK-MSTB-SS	1 ea. of M 3x10 Screw, Washer & Nut				.48	.27	.23	.19



PHOENIX CONTACT
INSPIRING INNOVATIONS

EVICE TERMINAL BLOCKS FOR DIRECT MOUNTING

se G5 and G10 compact terminal blocks are used for main connections in electric and electronic equipment. They ide touch proof shock protection and have interlocking tongues and grooves. Two screws are provided with each.

For quantities of 500 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Fig.	Phoenix Type	No. of Pos.	AWG	Voltage Rating	Current Rating	Price Each 1	10	50	100
1—2716020	A	G 5/2	2	26 - 10	300	30	2.09	1.78	1.62	1.52
1—2716033	A	G 5/3	3	26 - 10	300	30	2.91	2.61	2.34	2.25
1—2716046	A	G 5/4	4	26 - 10	300	30	3.58	3.22	3.03	2.88
1—2716703	B	G 10/2	2	24 - 6	600	65	5.41	4.71	4.36	4.12
1—2716716	B	G 10/3	3	24 - 6	600	65	8.13	7.08	6.55	6.18
1—2716729	B	G 10/4	4	24 - 6	600	65	10.84	9.44	8.73	8.24

GH CURRENT FEED-THROUGH TERMINAL BLOCKS FOR PANEL MOUNTING

ery Easy Installation • Reliable Sealing of Housing Interior • Automatic Compensation of Wall Thickness
oltage: Metal Walls 1-2.5mm-400 V max, Metal Walls 2.5-4mm-250 V max, Plastic Walls 1-4mm-400 V max

For quantities of 500 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Fig.	Phoenix Type	AWG	Color	Conductor Connection	Current Rating	Price Each 1	10	50	100
1—0707086	C	HDFK 4	24 - 10	Gray	Horizontal	40	4.12	3.59	3.32	3.14
1—0707866	C	HDFK 4 GNYE	24 - 10	Green/Yellow	Horizontal	40	4.12	3.59	3.32	3.14
1—0709026	D	HDFKV 4	24 - 10	Gray	Vertical	40	4.15	3.61	3.34	3.15

OK FOUR LEVEL SENSOR AND ACTUATOR TERMINAL BLOCKS
OR DIN RAIL MOUNTING

he VIOK 1,5-2D offers 2 feed-Through and 2 Busbar levels
he VIOK 1,5-3D/PE offers 4 conductor feed-through terminal blocks which serves for the power supply of the VIOK terminal blocks
nly one terminal block is needed for sensors and actuators

For quantities of 100 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Fig.	Phoenix Type	AWG	Voltage Rating	Current Rating	Width (mm)	Length (mm)	Price Each 1	10	50
1—2718015	E	VIOK 1,5	30 - 14	300	15	6.2	62.5	7.33	6.38	5.90
1—2718196	E	VIOK 1,5-2D	30 - 14	300	15	6.2	73	7.10	6.18	5.72
1—2718206	E	VIOK 1,5-3D/PE	30 - 14	300	15	6.2	82.5	9.44	8.22	7.61

LKM D-SUBMINIATURE PLUG MODULES FOR DIN RAIL MOUNTING

se Varioface modules connect D-Subminiature connectors in accordance with
807-2/DIN 41652 to screw terminal blocks.

For quantities of 50 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Fig.	Phoenix Type	No. of Pos.	Module Width	D-Sub Connector	AWG	Price Each 1	5	10	25
1—2281186	F	FLKM-D 9 SUB/B	9	45	Female	24 - 12	38.70	35.57	32.92	31.07
1—2281128	F	FLKM-D 9 SUB/S	9	45	Male	24 - 12	38.70	35.57	32.92	31.07
1—2281199	F	FLKM-D 15 SUB/B	15	67.5	Female	24 - 12	55.27	48.47	45.01	43.76
1—2281131	F	FLKM-D 15 SUB/S	15	67.5	Male	24 - 12	50.42	44.22	41.06	39.92
1—2281209	F	FLKM-D 25 SUB/B	25	90	Female	24 - 12	59.92	52.54	48.79	47.43
1—2281144	F	FLKM-D 25 SUB/S	25	90	Male	24 - 12	56.40	49.46	45.93	44.65
1—2281212	F	FLKM-D 37 SUB/B	37	112.5	Female	24 - 12	77.53	67.99	63.14	61.38
1—2281115	F	FLKM-D 37 SUB/S	37	112.5	Male	24 - 12	77.53	67.99	63.14	61.38

MKRJ SERIES RJ-11/45 MODULE FOR DIN RAIL MOUNTING

RJ-11/45 module allows the modular jack connection to be converted to
rete wiring. This module is ideal for the use of Ethernet breakouts.

For quantities of 50 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Fig.	Phoenix Type	Description	Price Each 1	5	10	25
1—5543643	G	UMK-RJ11/6	Converts 1 RJ11 jack to 6 discrete wire	29.31	25.70	23.87	23.21
1—5543630	G	UMK-RJ11/8	Converts 1 RJ11 jack to 8 discrete wire	31.65	27.76	25.78	25.06
1—5525946	G	UMK-RJ 45/10	Converts 1 RJ45 jack to 10 discrete wire	42.21	37.01	34.37	33.42

ARIOFACE MODULES AS COMPACT POTENTIAL DISTRIBUTORS
OR DIN RAIL MOUNTING

h module allows potential distribution for two potentials(P1, P2) using spring cage terminals.

For quantities of 500 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Fig.	Phoenix Type	No. of Terminal Connectors	Module Width	AWG	Price Each 1	5	10	25
1—2302353	H	UMK-PVB2/16 ZFKDS	16	450	24 - 12	45.66	39.77	36.80	34.73
1—2302366	H	UMK-PVB2/24 ZFKDS	24	67.5	24 - 12	50.47	43.96	40.68	38.39

EUTRAL / GROUND BUSBAR SYSTEM

d in Neutral(N), Ground(PE), and Phase Conductors(L1,L2,L3) Terminal Block Connections.

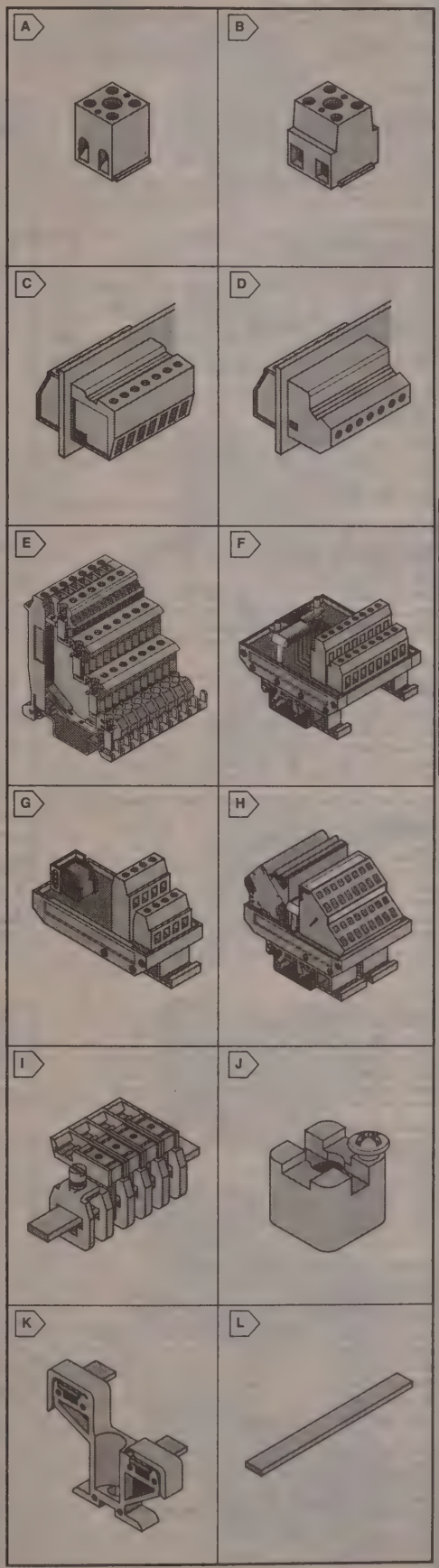
For quantities of 100 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Fig.	Phoenix Type	Description	Price Each 1	10	50
1—0404017	I	AK 4	Terminal Block Connection without Insulating Cap	.52	.45	.42
1—0421032	I	AKG 4 BK	Terminal Block Conn., Black Insulating Cap for L1, L2, L3	.72	.63	.58
1—0421016	I	AKG 4 BU	Terminal Block Connection, Blue Insulating Cap for N	.72	.63	.58
1—0421029	I	AKG 4 GNYE	Terminal Block Conn., Green-Yellow Insulating Cap for PE	.72	.63	.58
1—0404428	J	AB/SS	Busbar support with screw, 3x10 mm or 6x6mm busbar	1.19	1.04	.96
1—0404431	K	AB2/SS	Double Busbar Support, 48mm high, 3x10mm or 6x6mm	1.97	1.71	1.58
1—0402174	L	NLS-CU 3/10	Neutral Busbar, 3x10mm, 1m long, Nominal Current: 140A	13.30	11.58	10.72

CCESSORIES

For quantities of 100 and up, call for quote.

USER STOCK NO. / r. Mfr. Part No.	Phoenix Type	Description	Price Each 1	10	50
Device Terminal Blocks					
1—1401404	BN WH	Unprinted Marker Pin to use with M-Pen	.14	.13	.12
1—1205053	SZS 0,6 X 3,5	Screwdriver	10.64	9.27	8.58
High Current Feed-Through Terminal Blocks					
1—3118135	EBS-10-8	Fully insulated Insertion Bridge, Divisible	3.76	3.27	3.03
—1205053	SZS 0,6 X 3,5	Screwdriver	10.64	9.27	8.58
VIOK Four Level Terminal Blocks					
—0203250	FBI 10-6	10 Position Fixed Bridge, Divisible	5.19	4.52	4.18
—2715940	EB 80-DIK-BU	80 Position Insertion Bridge, (Middle), Divisible	33.66	29.32	27.13
—2715953	EB 80-DIK-RD	80 Position Insertion Bridge, (Lower), Divisible	33.66	29.32	27.13



PHOENIX CONTACT Modular Electronic Housings

PHOENIX CONTACT
INSPIRING INNOVATIO

ME MAX ELECTRONIC HOUSINGS

The ME MAX housings mark the new standard for electronic housings for DIN Rail mounting. With the new Din-Rail mounted bus connector, Phoenix Contact's ME MAX housings are hot swappable allowing upgrades or system maintenance without down time. Despite compact dimensions, the housings offer plenty of space for an individual choice of electronics.

Features:

- Large PCB surface
- Expandable up to 48 connection points
- Housing widths available from 17.5mm to 45mm
- Fixed or pluggable terminal blocks
- Screw or spring terminations
- DIN-Rail grounding feature
- Electronic housing consists of: Housing shells left and right, front plate, transparent cover, metal foot catch and spring
- DIN-Rail bus connector as an option
- Simple exchange of modules without having to break the contact chain
- Optional earth ground contacts
- Gray color
- UL 94V-0 flammability rating

6.2mm Wide

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	No. of Pos.	Dimensions (mm) W	L	H	AWG	Connection Type	Price Each 1	10	50
651—2713094		A	ME MAX 6.2 SC 4-4 KMGY	8	6.2	93.1	102.5	26-12	Screw	13.23	12.17	11.19
651—2713104		A	ME MAX 6.2 SP 4-4 KMGY	8	6.2	93.1	102.5	24-12	Spring	13.23	12.17	11.19
For DIN Rail Bus Connector												
651—2869634		B	ME MAX 6,2 SC-TBUS 4-4 KMGY	8	6.2	93.1	102.5	26-12	Screw	14.52	13.36	12.29
651—2869647		B	ME MAX 6,2 SP-TBUS 4-4 KMGY	8	6.2	93.1	102.5	24-12	Spring	14.52	13.36	12.29

Accessories for 6.2mm Housings

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	Price Each 1	10	50
651—2969401		C	ME 6,2 TBUS-2 1,5/5-ST-3,81 GY	DIN Rail bus connector, gold contacts, 2x5 pos.	7.31	6.73	6.19
651—0808710		-	ZBF 6: UNBEDRUCKT	Zack Marker Strip, 10 section, unprinted	.69	.63	.58
651—0811228		-	X-PEN 0.35	Marker pen for manual labeling of markers, .35mm thick	28.23	25.97	23.89

17.5mm Wide

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	No. of Pos.	Dimensions (mm) W	L	H	AWG	Connection Type	Price Each 1	10	50
651—2713641		D	ME MAX 17.5 U-U1 KMGY	1x3	17.5	99.0	114.5	26-12	Screw	8.58	7.89	7.26
651—2713599		D	ME MAX 17.5 2-2 KMGY	4x3	17.5	99.0	114.5	26-12	Screw	7.49	6.89	6.34
651—2713612		D	ME MAX 17.5 3-3 KMGY	6x3	17.5	99.0	114.5	26-12	Screw	7.49	6.89	6.34

35mm Wide

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	No. of Pos.	Dimensions (mm) W	L	H	AWG	Connection Type	Price Each 1	10	50
651—2713667		E	ME MAX 35 U-U1 KMGY	2x3	35.0	99.0	114.5	26-12	Screw	12.95	11.91	10.96
651—2713670		E	ME MAX 35 2-2 KMGY	8x3	35.0	99.0	114.5	26-12	Screw	11.86	10.91	10.04
651—2713696		E	ME MAX 35 3-3 KMGY	12x3	35.0	99.0	114.5	26-12	Screw	11.86	10.91	10.04

Accessories for 17.5mm and 35mm Housings

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	Price Each 1	10	50
651—2713735		-	MKDSO 2.5/3-6 SET KMGY	PCB Connection Kit: Header & PCB terminal blocks, 6x3 pos	13.92	12.81	11.78
651—2713748		-	MSTBO 2.5/3-6-ST SET KMGY	PCB Connection Kit: Header & screw connectors, 6x3 pos.	20.91	19.23	17.69
651—2713645		C	ME 17.5 TBUS1.5/5-ST-3.81 KMGY	DIN Rail bus connector, gold contacts, 5 pos.	6.49	5.97	5.49
651—2706959		-	ME MAX B-17.5 KMGY	Cover caps for unequipped terminal points	.45	.41	.38
651—2713777		-	ME MAX LP SAMPLE MSTBO 2-2	PCB for custom fitting, 114.5mm	26.23	24.13	22.20
651—2908294		-	ME FE-CONTACT	Functional earth ground contact	.94	.86	.79

22.5mm Wide

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	No. of Pos.	Dimensions (mm) W	L	H	AWG	Connection Type	Price Each 1	10	50
651—2713476		F	ME MAX 22.5 U-U1 KMGY	1x4	22.5	99.0	114.5	26-12	Screw	8.82	8.12	7.46
651—2713625		F	ME MAX 22.5 2-2 KMGY	4x4	22.5	99.0	114.5	26-12	Screw	7.73	7.11	6.54
651—2713939		F	ME MAX 22.5 3-3 KMGY	6x4	22.5	99.0	114.5	26-12	Screw	7.73	7.11	6.54

45mm Wide

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	No. of Pos.	Dimensions (mm) W	L	H	AWG	Connection Type	Price Each 1	10	50
651—2713492		G	ME MAX 45 U-U1 KMGY	2x4	45.0	99.0	114.5	26-12	Screw	13.42	12.34	11.36
651—2713706		G	ME MAX 45 2-2 KMGY	8x4	45.0	99.0	114.5	26-12	Screw	12.33	11.34	10.43
651—2713913		G	ME MAX 45 3-3 KMGY	12x4	45.0	99.0	114.5	26-12	Screw	12.33	11.34	10.43

Accessories for 22.5mm and 45mm

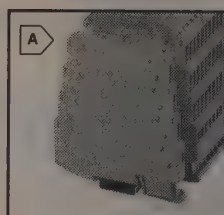
For quantities of 100 and up, call for quote.

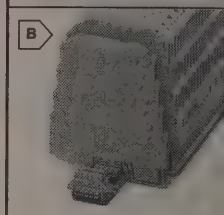
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	Price Each 1	10	50
651—2713751		-	MKDSO 2.5/4-6 SET KMGY	PCB Connection Kit: Header & PCB terminal blocks, 6x4 pos.	19.19	17.65	16.24
651—2713764		-	MSTBO 2.5/4-6 SET KMGY	PCB Connection Kit: Header & screw connectors, 6x4 pos.	29.25	26.91	24.75
651—2713722		C	ME 22.5 TBUS 1.5/5-ST-3.81 KMGY	DIN Rail bus connector, gold contacts, 5 pos.	6.91	6.35	5.84
651—2707929		-	ME MAX B-22.5 KMGY	Cover caps for unequipped terminal points	.52	.47	.44
651—2713777		-	ME MAX LP SAMPLE MSTBO 2-2	PCB for custom fitting, 114.5mm	26.23	24.13	22.20
651—2908294		-	ME FE CONTACT	Functional earth ground contact	.94	.86	.79

DIN Rails

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Length (M)	Description	Price per Each Meter 1	10	50	100
651—5602100		-	NS 35/ 7.5	1	35mm x 7.5mm x 1m, Perforated	8.91	8.25	6.60	5.94
651—5603400		-	NS 35/ 7.5	1	35mm x 7.5mm x 1m, Unperforated	9.28	8.54	7.86	7.23
651—0801733		-	NS 35/ 7.5	2	35mm x 7.5mm x 2m, Perforated	7.85	6.90	6.00	5.30





ME 17.5 TB
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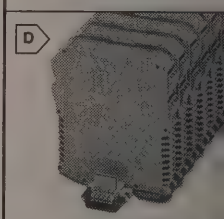
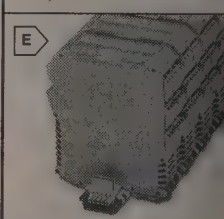
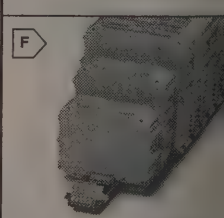
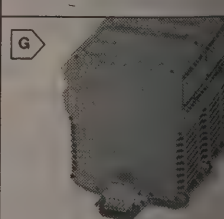








MOUSER ELECTRONICS a tti company

PHOENIX CONTACT CLIPLINE DIN Rail Terminal Blocks

CLIPLINE COMPLETE - Four Terminal Block Technologies, One Common Line of Accessories.

PHOENIX CONTACT INSPIRING INNOVATIONS

T UNIVERSAL TERMINAL SCREW CONNECTION

ersal for every application. This screw connection system features a multi-conductor connection and maximum contact forces. The screw connection system own and accepted throughout the world and can be used in any application.

For quantities of 500 and up, call for quote.

USER STOCK NO. / r. Mfr. Part No.	Phoenix Type	Fig.	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm) H	L	W	Price Each 1	10	50	100
Conductor Feed-Thru Terminal Blocks													
1—3044076	UT 2.5	A	Gray	26-12	800	32A	47.5	46.9	5.2	.93	.79	.71	.65
1—3044089	UT 2.5 BU	A	Blue	26-12	800	32A	47.5	46.9	5.2	.93	.79	.71	.65
1—3045088	UT 2.5 BK	A	Black	26-12	800	32A	47.5	46.9	5.2	.97	.82	.74	.68
1—3045062	UT 2.5 RD	A	Red	26-12	800	32A	47.5	46.9	5.2	.97	.82	.74	.68
1—3044102	UT 4	A	Gray	26-10	800	41A	47.5	46.9	6.2	1.02	.91	.78	.71
1—3044115	UT 4 BU	A	Blue	26-10	800	41A	47.5	46.9	6.2	1.02	.91	.78	.71
1—3045143	UT 4 BK	A	Black	26-10	800	41A	47.5	46.9	6.2	1.05	.94	.81	.75
1—3045127	UT 4 RD	A	Red	26-10	800	41A	47.5	46.9	6.2	1.05	.94	.81	.75
1—3044131	UT 6	A	Gray	24-8	800	57A	47.5	46.9	8.2	1.29	1.09	.98	.93
1—3044144	UT 6 BU	A	Blue	24-8	800	57A	47.5	46.9	8.2	1.29	1.09	.98	.93
1—3045208	UT 6 BK	A	Black	24-8	800	57A	47.5	46.9	8.2	1.39	1.18	1.06	.98
1—3045185	UT 6 RD	A	Red	24-8	800	57A	47.5	46.9	8.2	1.39	1.18	1.06	.98
1—3044160	UT 10	A	Gray	20-6	1000	76A	47.5	46.9	10.2	1.86	1.58	1.42	1.31
1—3044188	UT 10 BU	A	Blue	20-6	1000	76A	47.5	46.9	10.2	1.86	1.58	1.42	1.31
1—3046320	UT 10 BK	A	Black	20-6	1000	76A	47.5	46.9	10.2	1.93	1.64	1.47	1.39
1—3046304	UT 10 RD	A	Red	20-6	1000	76A	47.5	46.9	10.2	1.93	1.64	1.47	1.39
ound Terminal Blocks													
1—3044092	UT 2.5-PE	B	Gr/Yel	26-12	---	---	47.5	46.9	5.2	3.36	2.85	2.57	2.38
1—3044128	UT 4-PE	B	Gr/Yel	26-10	---	---	47.5	46.9	6.2	3.93	3.53	3.31	2.94
1—3044157	UT 6-PE	B	Gr/Yel	24-8	---	---	47.5	46.9	8.2	4.23	3.79	3.41	3.23
1—3044173	UT 10-PE	B	Gr/Yel	20-6	---	---	47.5	46.9	10.2	4.69	3.98	3.58	3.32
1—3046223	UT 4-MTD-PE	B	Gr/Yel	26-10	---	---	47.5	56.8	6.2	3.83	3.25	2.93	2.72
1—3045033	UT 2.5/1P-PE	B	Gr/Yel	26-12	---	---	47.5	46.4	5.2	3.36	2.85	2.57	2.38
ife Disconnect Terminal Blocks	*Current and Voltage are determined by the plug used.												
1—3046139	UT 4-MT	C	Gray	26-10	500	16A	47.5	56.8	6.2	2.66	2.26	2.03	1.88
1—3046171	UT 4-MT-P/P	C	Gray	26-10	500	16A	47.5	56.8	6.2	2.97	2.52	2.27	2.11
1—3046142	UT 4-TG	C	Gray	26-10	500*	16A*	47.5	56.8	6.2	2.16	1.84	1.65	1.53
1—3046168	UT 4-TG-P/P	C	Gray	26-10	500*	16A*	47.5	56.8	6.2	2.41	2.04	1.84	1.71
1—3046184	UT 4-MTD	C	Gray	26-10	800	41A	47.5	56.8	6.2	1.18	.98	.88	.79
1—3046197	UT 4-MTD BU	C	Blue	26-10	800	41A	47.5	56.8	6.2	1.18	.98	.88	.79
se Terminal Blocks	*If used as fuse terminal block.												
1—3046032	UT 4-HESI(5X20)	D	Black	26-10	250*	6.3A	73.0	56.8	6.2	4.94	4.44	3.98	3.59
1—3046090	UT 4-HESILED 24(5X20)	D	Black	26-10	250*	6.3A	73.0	56.8	6.2	7.82	6.64	5.98	5.56
1—3046100	UT 4-HESILA 250(5X20)	D	Black	26-10	250*	6.3A	73.0	56.8	6.2	8.16	6.94	6.25	5.78
ggable Terminal Blocks													
1—3045017	UT 2.5/1P	E	Gray	26-12	500	24A	47.5	46.4	5.2	.91	.77	.69	.64
1—3045020	UT 2.5/1P BU	E	Blue	26-12	500	24A	47.5	46.4	5.2	.91	.77	.69	.64
gs for Disconnect Terminal Blocks	*If used as disconnect terminal block.												
1—3036796	P-CO	--	Gray	---	400*	6A	21.0	24.0	5.0	3.48	2.95	2.66	2.44
1—3036806	P-FU 5 X 20	--	Black	---	400*	6.3A	25.0	28.0	6.0	3.26	2.77	2.49	2.31
1—3036819	P-FU 5 X 20 LED 24	--	Black	---	400*	16A	25.0	28.0	6.0	7.34	6.24	5.61	5.19
1—3036822	P-FU 5 X 20 LED 60	--	Black	---	400*	16A	25.0	28.0	6.0	7.34	6.24	5.61	5.19
1—3036835	P-FU 5 X 20 LA 250	--	Black	---	400*	16A	25.0	28.0	6.0	7.34	6.24	5.61	5.19

T SPRING TERMINAL SPRING-CAGE CONNECTION

proven connection system for vibration-sensitive applications. The spring cage always exerts a constant force on the uctor regardless of the operator actions. Wiring is simple and is performed via the space-saving front connection.

For quantities of 500 and up, call for quote.

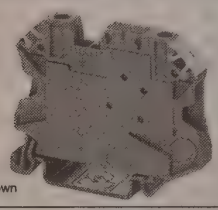
OUSER STOCK NO. / r. Mfr. Part No.	Phoenix Type	Fig.	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm) H	L	W	Price Each 1	10	50	100
Conductor Feed-Thru Terminal Blocks													
1—3031076	ST 1.5	F	Gray	26-14	300	15A	36.5	48.5	4.2	.86	.77	.69	.63
1—3031089	ST 1.5 BU	F	Blue	26-14	300	15A	36.5	48.5	4.2	.86	.77	.69	.63
1—3031212	ST 2.5	F	Gray	26-12	600	20A	36.5	48.5	5.2	.97	.86	.77	.69
1—3031225	ST 2.5 BU	F	Blue	26-12	600	20A	36.5	48.5	5.2	.97	.86	.77	.69
1—3031364	ST 4	F	Gray	20-10	600	30A	36.5	56.0	6.2	1.12	1.02	.93	.86
1—3031377	ST 4 BU	F	Blue	20-10	600	30A	36.5	56.0	6.2	1.12	1.02	.93	.86
1—3031487	ST 6	F	Gray	20-8	600	50A	43.5	69.5	8.2	1.66	1.43	1.28	1.15
1—3031490	ST 6 BU	F	Blue	20-8	600	50A	43.5	69.5	8.2	1.66	1.43	1.28	1.15
1—3036110	ST 10	F	Gray	16-6	600	65A	50.5	71.5	10.2	1.96	1.76	1.58	1.43
1—3036123	ST 10 BU	F	Blue	16-6	600	65A	50.5	71.5	10.2	1.96	1.76	1.58	1.43
Conductor Feed-Thru Terminal Blocks													
1—3031128	ST 1.5-TWIN	G	Gray	26-14	300	15A	36.5	60.5	4.2	.95	.86	.77	.69
1—3031131	ST 1.5-TWIN BU	G	Blue	26-14	300	15A	36.5	60.5	4.2	.95	.86	.77	.69
1—3031241	ST 2.5-TWIN	G	Gray	26-12	600	20A	36.5	60.5	5.2	1.11	.99	.89	.81
1—3031254	ST 2.5-TWIN BU	G	Blue	26-12	600	20A	36.5	60.5	5.2	1.11	.99	.89	.81
1—3031393	ST 4-TWIN	G	Gray	20-10	600	30A	36.5	71.5	6.2	1.14	1.02	.92	.86
1—3031403	ST 4-TWIN BU	G	Blue	20-10	600	30A	36.5	71.5	6.2	1.14	1.02	.92	.86
Conductor Feed-Thru Terminal Blocks													
—3031186	ST 1.5 QUATTRO	H	Gray	26-14	300	15A	36.5	72.0	4.2	1.12	.99	.89	.83
—3031199	ST 1.5 QUATTRO BU	H	Blue	26-14	300	15A	36.5	72.0	4.2	1.12	.99	.89	.83
—3031306	ST 2.5 QUATTRO	H	Gray	26-12	600	20A	36.5	72.0	5.2	1.58	1.42	1.28	1.18
—3031319	ST 2.5 QUATTRO BU	H	Blue	26-12	600	20A	36.5	72.0	5.2	1.58	1.42	1.28	1.18
—3031445	ST 4 QUATTRO	H	Gray	20-10	600	30A	36.5	87.0	6.2	1.97	1.78	1.61	1.47
—3031458	ST 4 QUATTRO BU	H	Blue	20-10	600	30A	36.5	87.0	6.2	1.97	1.78	1.61	1.47

A

UT 2.5 Shown

B

UT 2.5-PE Shown

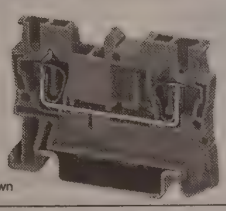
C

UT 4-MTD Shown

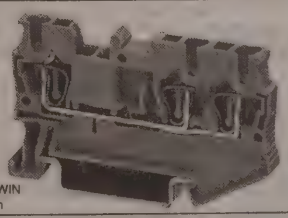
D

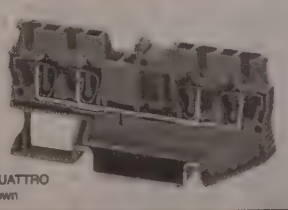
UT 4-HESI (5x20) Shown

E

UT 2.5/1P Shown

F

ST 1.5 Shown

G

ST 1.5-TWIN Shown

H

ST 1.5 QUATTRO Shown

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PHOENIX CONTACT CLIPLINE DIN Rail Terminal Blocks

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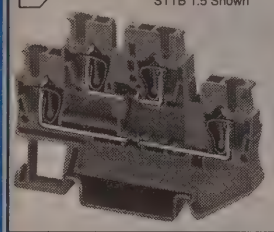
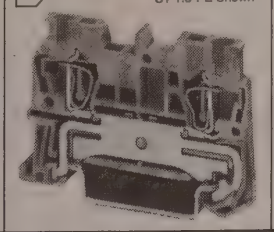
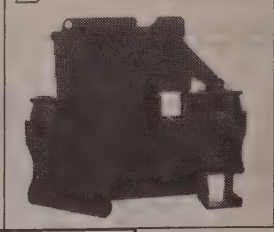
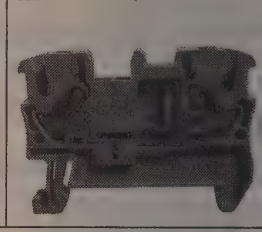








ST SPRING TERMINAL SPRING-CAGE CONNECTION (CONT.)

The proven connection system for vibration-sensitive applications. The spring cage always exerts a constant force on the conductor regardless of the operator actions. Wiring is simple and is performed via the space-saving front connection.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part No.	Phoenix Type	Fig.	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm) H	L	W	Price Each 1	10	50	100
Double Level Feed-Thru Terminal Blocks													
651—3031157	STTB 1.5	A	Gray	26-14	300	15A	47.5	67.5	4.2	1.48	1.33	1.19	1.11
651—3031270	STTB 2.5	A	Gray	26-12	300	20A	47.5	67.5	5.2	2.26	2.03	1.83	1.68
651—3031429	STTB 4	A	Gray	20-10	300	30A	47.5	83.5	6.2	2.36	2.11	1.91	1.76
Angled Feed-Thru Terminal Blocks													
651—3036398	STS 2.5	B	Gray	24-12	800	32A	50.5	51.0	5.2	.94	.84	.76	.69
651—3036408	STS 2.5 BU	B	Blue	24-12	800	32A	50.5	51.0	5.2	.94	.84	.76	.69
651—3036424	STS 4	B	Gray	24-10	800	38A	50.5	64.5	6.2	1.13	1.01	.93	.82
651—3036437	STS 4 BU	B	Blue	24-10	800	38A	50.5	64.5	6.2	1.13	1.01	.93	.82
651—3038121	STS 6	B	Gray	24-8	800	50A	57.5	58.0	8.2	1.63	1.47	1.32	1.18
651—3038134	STS 6 BU	B	Blue	24-8	800	50A	57.5	58.0	8.2	1.63	1.47	1.32	1.18
Ground Terminal Blocks													
651—3031513	ST 1.5-PE	C	Gr/Yel	26-14	---	---	36.5	48.5	4.2	2.87	2.58	2.32	2.13
651—3031238	ST 2.5-PE	C	Gr/Yel	26-12	---	---	36.5	48.5	5.2	3.39	3.05	2.74	2.53
651—3031380	ST 4-PE	C	Gr/Yel	20-10	---	---	36.5	56.0	6.2	3.42	3.08	2.79	2.57
651—3031500	ST 6-PE	C	Gr/Yel	20-8	---	---	43.5	69.5	8.2	4.27	3.85	3.49	3.21
651—3036136	ST 10-PE	C	Gr/Yel	16-6	---	---	50.5	71.5	10.2	4.88	4.39	3.95	3.63
651—3031144	ST 1.5-TWIN-PE	C	Gr/Yel	26-16	---	---	36.5	60.5	4.2	3.54	3.18	2.86	2.63
651—3031267	ST 2.5-TWIN-PE	C	Gr/Yel	26-12	---	---	36.5	60.5	5.2	3.85	3.45	3.12	2.86
651—3031416	ST 4-TWIN-PE	C	Gr/Yel	20-10	---	---	36.5	71.5	6.2	3.98	3.59	3.25	3.03
651—3031209	ST 1.5-QUATTRO-PE	C	Gr/Yel	26-16	---	---	36.5	72.0	4.2	3.79	3.41	3.06	2.83
651—3031322	ST 2.5-QUATTRO-PE	C	Gr/Yel	26-12	---	---	36.5	72.0	5.2	4.99	4.49	4.04	3.73
651—3031461	ST 4-QUATTRO-PE	C	Gr/Yel	20-10	---	---	36.5	87.0	6.2	5.03	4.53	4.08	3.78
651—3036013	STTB 1.5-PE	C	Gr/Yel	26-14	---	---	47.5	67.5	4.2	4.82	4.34	3.89	3.63
651—3036026	STTB 2.5-PE	C	Gr/Yel	26-12	---	---	47.5	67.5	5.2	6.86	6.18	5.56	5.16
651—3036039	STTB 4-PE	C	Gr/Yel	20-10	---	---	47.5	83.5	6.2	7.24	6.52	5.86	5.42
651—3036411	STS 2.5-PE	C	Gr/Yel	24-12	---	---	50.5	51.0	5.2	3.43	3.08	2.78	2.47
651—3036440	STS 4-PE	C	Gr/Yel	24-10	---	---	50.5	64.5	6.2	3.45	3.11	2.79	2.49
651—3038147	STS 6-PE	C	Gr/Yel	24-8	---	---	57.5	58.0	8.2	4.32	3.88	3.51	3.12
Fuse Terminal Blocks	∗Current and Voltage are determined by the fuse used.												
651—3036385	ST 4-HESI(6.3X32)	D	Black	24-10	400∗	10A∗	69.0	76.5	8.2	5.54	4.98	4.48	4.15
651—3036369	ST 4-HESI(5X20)	D	Black	24-10	300∗	6A∗	62.5	61.5	6.2	4.50	4.00	3.77	3.50

DT DIRECT TERMINAL LEG SPRING CONNECTION

Simply insert solid conductors directly into the terminal block. This is the hallmark of the direct insertion system. A screw driver is only required for releasing the conductor. The direct insertion method is of particular advantage in very restricted wiring spaces.

For quantities of 500 and up, call for quote.

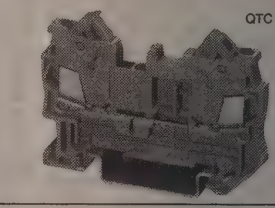
MOUSER STOCK NO. / Mfr. Mfr. Part No.	Phoenix Type	Fig.	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm) H	L	W	Price Each 1	10	50	100
2-Conductor Feed-Thru Terminal Blocks													
651—3034028	DT 2.5	E	Gray	22-12	800	24A	36.5	48.5	5.2	1.01	.92	.83	.74
651—3034031	DT 2.5 BU	E	Blue	22-12	800	24A	36.5	48.5	5.2	1.01	.92	.83	.74
Ground Terminal Blocks													
651—3034044	DT 2.5-PE	F	Gr/Yel	22-12	---	---	36.5	48.5	5.2	3.64	3.26	2.93	2.64

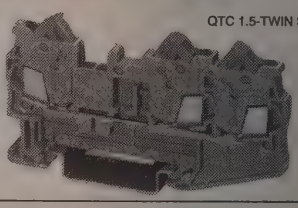
QT QUICKON TERMINAL FAST CONNECTION

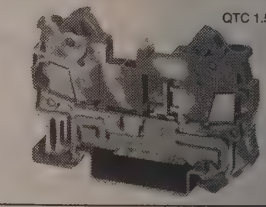
Connect the conductor without having to strip it first. The quick connection system permits a drastic reduction of anything up to 60% in wiring time. The conductor connection is simple, reliable and fast, requiring only the aid of a standard screw driver.

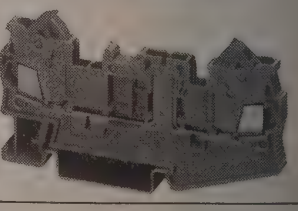
For quantities of 500 and up, call for quote.

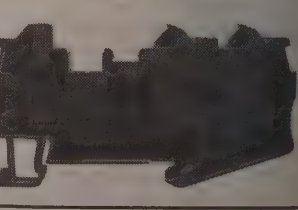
MOUSER STOCK NO. / Mfr. Mfr. Part No.	Phoenix Type	Fig.	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm) H	L	W	Price Each 1	10	50	100
2-Conductor Feed-Thru IDC Terminal Blocks													
651—3205019	QTC 1.5	G	Gray	24-16	800	17.5A	39.3	58.8	5.2	1.14	.99	.91	.84
651—3205022	QTC 1.5 BU	G	Blue	24-16	800	17.5A	39.3	58.8	5.2	1.14	.99	.91	.84
651—3206416	QTC 2.5	G	Gray	20-14	800	24A	39.3	62.6	6.2	1.24	1.09	.98	.88
651—3206429	QTC 2.5 BU	G	Blue	20-14	800	24A	39.3	62.6	6.2	1.24	1.09	.98	.88
3-Conductor Feed-Thru IDC Terminal Blocks	∗The max. load current must be < the total current of all connected conductors.												
651—3205048	QTC 1.5-TWIN	H	Gray	24-16	800	17.5A∗	39.3	76.4	5.2	1.65	1.48	1.34	1.24
651—3205051	QTC 1.5-TWIN BU	H	Blue	24-16	800	17.5A∗	39.3	76.4	5.2	1.65	1.48	1.34	1.24
4-Conductor Feed-Thru IDC Terminal Blocks	∗The max. load current must be < the total current of all connected conductors.												
651—3205077	QTC 1.5-QUATTRO	I	Gray	24-16	800	17.5A∗	39.3	94.0	5.2	2.05	1.84	1.66	1.53
651—3205080	QTC 1.5-QUATTRO BU	I	Blue	24-16	800	17.5A∗	39.3	94.0	5.2	2.05	1.84	1.66	1.53
Ground IDC Terminal Blocks													
651—3205035	QTC 1.5-PE	J	Gr/Yel	24-16	---	---	39.3	58.8	5.2	3.76	3.38	3.04	2.84
651—3206432	QTC 2.5-PE	J	Gr/Yel	20-14	---	---	39.3	62.6	6.2	4.12	3.71	3.34	3.01
651—3206432	QTC 1.5-TWIN-PE	J	Gr/Yel	24-16	---	---	39.3	76.4	5.2	4.68	4.21	3.79	3.51
651—3205093	QTC 1.5-QUATTRO-PE	J	Gr/Yel	24-16	---	---	39.3	94.0	5.2	4.92	4.43	3.99	3.68
Disconnect IDC Terminal Blocks	∗Current and Voltage are determined by the plug used.												
651—3205145	QTC 1.5-TG	K	Gray	24-16	400∗	16A∗	39.3	76.4	5.2	2.57	2.31	2.08	1.88
Hybrid IDC/Screw Terminal Block													
651—3050044	QTCU 1.5-TWIN	L	Gray	24-16	800	17.5A	42.8	76.4	5.2	1.21	1.08	.98	.87











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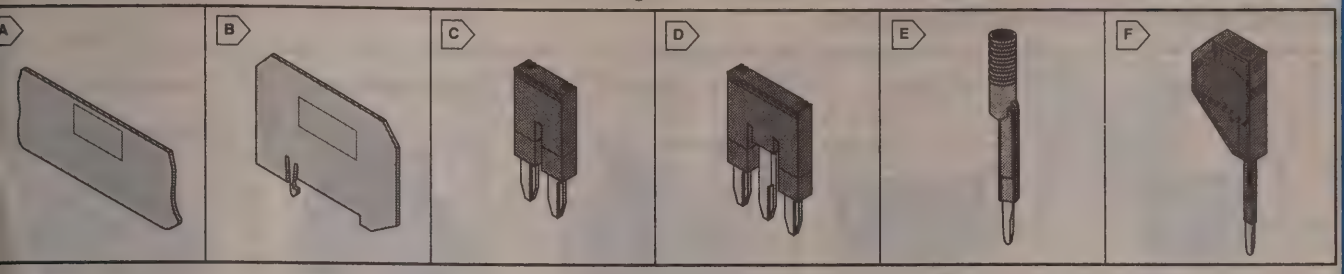
PHOENIX CONTACT
INSPIRING INNOVATIONS



ND COVERS

For quantities of 500 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Phoenix Type	Fig.	Color	Series	Description	Price Each 1	10	50	100
51—3047028	D-UT 2.5/10	A	Gray	UT	End Cover for UT 2.5, UT4, UT 6, and UT 10 Terminal Blocks	.49	.46	.44	.39
51—3047141	D-UT 2.5/4-TWIN	A	Gray	UT	End Cover for UT 4-MTD Terminal Blocks	.51	.48	.46	.42
51—3047154	D-UT 2.5/1P	A	Gray	UT	End Cover for UT 2.5/1P Terminal Blocks	.49	.46	.44	.39
51—3030417	D-ST 2.5	A	Gray	ST / DT	End Cover for ST 1.5, ST 2.5, DT 2.5 Terminal Blocks	.48	.45	.42	.38
51—3030514	D-ST 2.5-QUATTRO	A	Gray	ST	End Cover for ST 1.5-Quattro, ST 2.5-Quattro Terminal Blocks	.49	.46	.44	.39
51—3030488	D-ST 2.5-TWIN	A	Gray	ST	End Cover for ST-1.5-Twin, ST-2.5-Twin Terminal Blocks	.51	.48	.46	.42
51—3030420	D-ST 4	A	Gray	ST	End Cover for ST 4 Terminal Blocks	.51	.48	.46	.42
51—3030527	D-ST 4-QUATTRO	A	Gray	ST	End Cover for ST 4-Quattro Terminal Blocks	.51	.48	.46	.42
51—3030491	D-ST 4-TWIN	A	Gray	ST	End Cover for ST 4-Twin Terminal Blocks	.51	.48	.46	.42
51—3030433	D-ST 6	A	Gray	ST	End Cover for ST 6 Terminal Blocks	.51	.48	.46	.42
51—3030459	D-STTB 2.5	A	Gray	ST	End Cover for STTB 1.5, STTB 2.5 Terminal Blocks	.51	.48	.46	.42
51—3030462	D-STTB 4	A	Gray	ST	End Cover for STTB 4 Terminal Blocks	.53	.51	.49	.45
51—3031762	D-STS 2.5	A	Gray	ST	End Cover for STS 2.5 Terminal Blocks	.46	.41	.37	.35
51—3031704	D-STS 4	A	Gray	ST	End Cover for STS 4 Terminal Blocks	.49	.46	.44	.39
51—3038189	D-STS 6	A	Gray	ST	End Cover for STS-6 Terminal Blocks	.46	.41	.37	.35
51—3205161	D-QTC 1.5	A	Gray	QT	End Cover for QTC 1.5 Terminal Blocks	.53	.51	.49	.45
51—3205190	D-QTC 1.5-TWIN	A	Gray	QT	End Cover for QTC 1.5-Twin, QTC 1.5-TG Terminal Blocks	.53	.51	.49	.45
51—3205174	D-QTC 1.5-QUATTRO	A	Gray	QT	End Cover for QTC-1.5-Quattro Terminal Blocks	.53	.51	.49	.45
51—3206568	D-QTC 2.5	A	Gray	QT	End Cover for QTC 2.5 Terminal Blocks	.53	.51	.49	.45

EPARATING PLATES

For quantities of 500 and up, call for quote.

51—3047167	ATP-UT	B	Gray	UT	Separating Plate for UT 2.5, UT 4, UT 6, UT 10, & UT 2.5/1P Terminal Blocks	.57	.55	.53	.48
51—3030721	ATP-ST 4	B	Gray	ST / DT	Separating Plate for ST 1.5, ST 2.5, ST 4, & DT 2.5 Terminal Blocks	.47	.44	.42	.38
51—3030815	ATP-ST4-QUARTTO	B	Gray	ST	Separating Plate for ST 1.5-Quattro, ST 2.5-Quattro, ST 4-Quattro Terminal Blocks	.69	.64	.59	.55
51—3030789	ATP-ST4-TWIN	B	Gray	ST	Separating Plate for ST 1.5-Twin, ST 2.5-Twin, & ST 4-Twin Terminal Blocks	.62	.59	.56	.51
51—3030747	ATP-STTB-4	B	Gray	ST	Separating Plate for STTB 1.5, STTB 2.5, STTB 4 Terminal Blocks	.72	.68	.64	.59
51—3024481	ATP-ZFK 2.5/6	B	Gray	ST	Separating Plate for STS 6 Terminal Blocks	.35	.33	.29	.27
51—3206209	ATP-QTC	B	Gray	QT	Separating Plate for QTC 1.5 & QTC 2.5 Terminal Blocks	.42	.39	.36	.33
51—3206212	ATP-QTC-TWIN	B	Gray	QT	Separating Plate for QTC 1.5-Twin & QTC 1.5-TG Terminal Blocks	.55	.52	.48	.46
51—3206225	ATP-QTC-QUATTRO	B	Gray	QT	Separating Plate for QTC 1.5-Quattro Terminal Blocks	.58	.56	.53	.48

TEP-DOWN BRIDGING

For quantities of 500 and up, call for quote.

51—3047060	RB UT-(2.5/4)	C	Red	UT	From connection UT 10 to UT 2.5 or UT 4	3.14	2.82	2.54	2.33
51—3047086	RB UT-10-ST(2.5/4)	C	Red	UT	From Connection UT 10 to QTC 1.5 or QTC2.5, or DT 2.5, or ST 2.5 or ST 4	3.14	2.82	2.54	2.33
51—3038943	RB-ST(2.5/4)-1.5	C	Red	ST	From Connection ST 4 to ST 1.5	1.33	1.26	1.19	1.08
51—3036860	RB ST 6-(2.5/4)	C	Red	ST / QT	From Connection ST 6 to DT 2.5, or ST 2.5 or ST 4, or QTC 1.5 or QTC 2.5	1.33	1.26	1.19	1.08
51—3030873	RB ST 10-(2.5/4)	C	Red	ST / QT	From Connection ST 10 to DT 2.5, or ST 2.5 or ST 4, or QTC 1.5 or QTC 2.5	3.14	2.82	2.54	2.33

RIDGES

For quantities of 500 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Phoenix Type	Fig.	Color	No. of Pos.	Terminal Block Series	Price Each 1	10	50	100
51—3030161	FBS 2.5	D	Red	2	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	.42	.39	.37	.35
51—3030336	FBS 2.6	D	Red	2	UT 4, UT 4-MT/TG,UT 4 HESI/HEDI, UT 4-MTD, STS 4, QTC 2.5	.42	.39	.37	.35
51—3030284	FBS 2.8	D	Red	2	UT 6, STS 6	.51	.49	.47	.43
51—3005947	FBS 2.10	D	Red	2	UT 10	1.38	1.31	1.24	1.15
51—3030174	FBS 3.5	D	Red	3	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	.85	.79	.74	.69
51—3030242	FBS 3.6	D	Red	3	UT 4, UT 4-MT/TG,UT 4 HESI/HEDI, UT 4-MTD, STS 4, QTC 2.5	.85	.79	.74	.69
51—3030297	FBS 3.8	D	Red	3	UT 6, STS 6	1.07	1.02	.96	.89
51—3030187	FBS 4.5	D	Red	4	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	1.31	1.15	1.07	.99
51—3030255	FBS 4.6	D	Red	4	UT 4, UT 4-MT/TG,UT 4 HESI/HEDI, UT 4-MTD, STS 4, QTC 2.5	1.31	1.15	1.07	.99
51—3030307	FBS 4.8	D	Red	4	UT 6, STS 6	1.81	1.62	1.54	1.46
51—3030190	FBS 5.5	D	Red	5	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	1.65	1.48	1.39	1.32
51—3030349	FBS 5.6	D	Red	5	UT 4, UT 4-MT/TG,UT 4 HESI/HEDI, UT 4-MTD, STS 4, QTC 2.5	1.65	1.48	1.39	1.32
51—3030310	FBS 5.8	D	Red	5	UT 6, STS 6	2.28	1.94	1.74	1.61
51—3030213	FBS 10.5	D	Red	10	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	3.39	3.19	3.04	2.81
51—3030271	FBS 10.6	D	Red	10	UT 4, UT 4-MT/TG,UT 4 HESI/HEDI, UT 4-MTD, STS 4, QTC 2.5	3.39	3.19	3.04	2.81
51—3030323	FBS 10.8	D	Red	10	STS 6	4.45	4.22	3.99	3.69
51—3030226	FBS 20.5	D	Red	20	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	6.79	6.45	6.11	5.63
51—3030365	FBS 20.6	D	Red	20	UT 4, UT 4-MT/TG,UT 4 HESI/HEDI, UT 4-MTD, STS 4, QTC 2.5	6.79	6.45	6.11	5.63

ST ADAPTERS

For quantities of 500 and up, call for quote.

USER STOCK NO. / Mfr. Part No.	Phoenix Type	Fig.	Color	Terminal Block Series	Price Each 1	10	50	100
—3030925	PAI 4	E	Gray	UT 2.5,4,6,4-MT/TG,4-MTD,2.5/1P, STS 2.5,4,6, DT 2.5, QTC 1.5, 1.5-Twin,1.5-Quattro,1.5-TG, QTCU1.5-TWIN	6.39	5.43	4.89	4.53

ST PLUGS

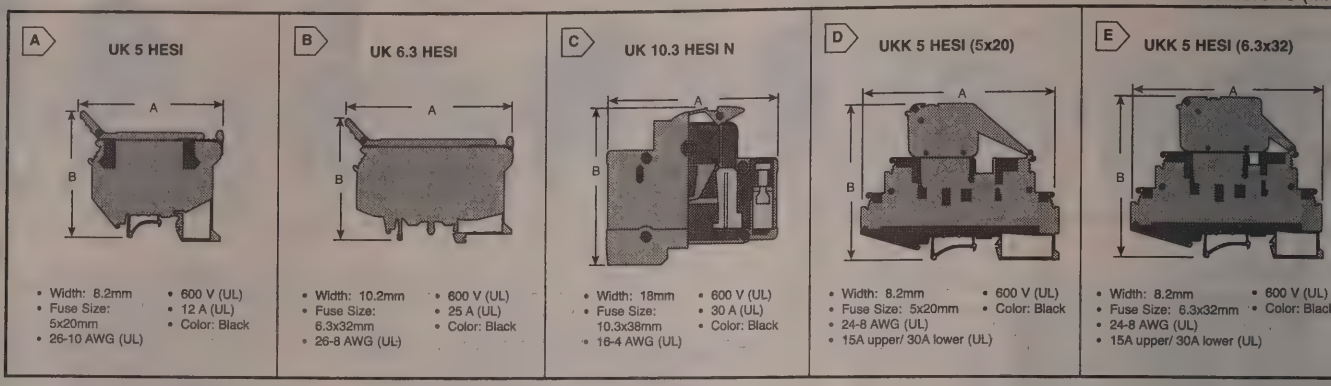
For quantities of 500 and up, call for quote.

—3030983	PS-5	F	Red	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	4.91	4.41	3.97	3.54
—3030996	PS-6	F	Red	UT 4, UT 4-MT/TG, UT4-MTD, STS 4, QTC 2.5	5.14	4.37	3.93	3.64
—3031005	PS-8	F	Red	UT 6, STS 6	5.25	4.46	4.02	3.72

PHOENIX CONTACT
INSPIRING INNOVATION

DIN RAIL MOUNTED TERMINAL FUSE BLOCKS

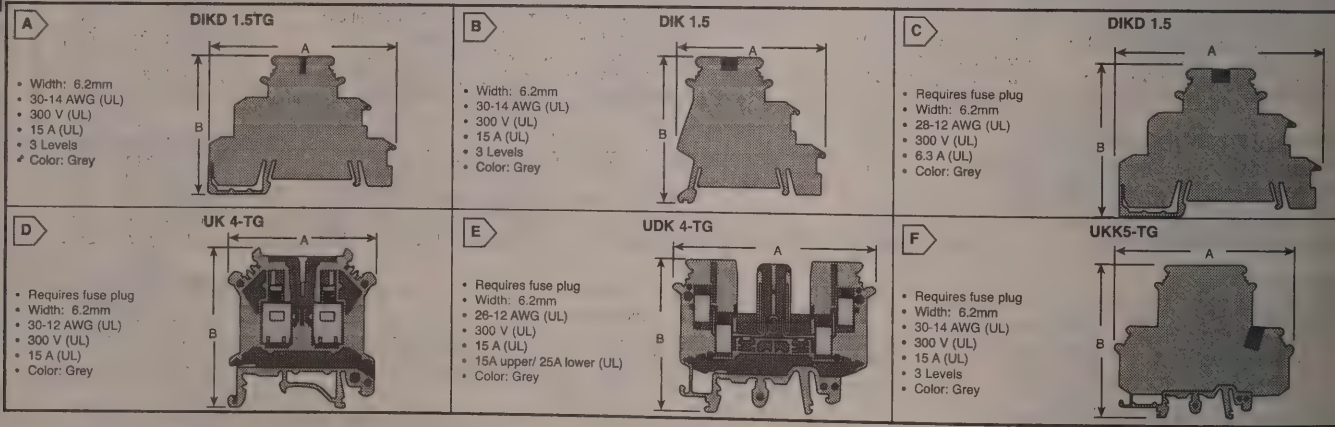
DIMENSIONS (mm



Fuse Terminal Blocks with Disconnect Lever

For quantities of 100 and up, call for quote. Accessories (See accessories page for pricing and description

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	Dimensions (mm) A	B	Price Each 1	10	50	Insertion Bridge	Fixed Bridge	Screwdriver	End Bracket	Din R Type
651—3004100		A	UK 5 HESI	Fuse Block	72.5	56.5	7.43	6.88	5.50	651-3118135	- -	651-1205053	651-0800886	NS 3
651—3004126		A	UK 5 HESILED 24	Fuse Block w/ Light ind. for 15-30 V	72.5	56.5	11.48	10.63	8.50	651-3118135	- -	651-1205053	651-0800886	NS 3
651—3004142		A	UK 5 HESILA 250	Fuse Block w/ Light ind. for 110-250 V	72.5	56.5	11.48	10.62	8.50	651-3118135	- -	651-1205053	651-0800886	NS 3
651—3004171		B	UK 6.3 HESI	Fuse Block	79.0	60.5	9.25	8.56	6.85	651-0203137	- -	651-1205066	651-0800886	NS 3
651—3004265		B	UK 6.3 HESILED 24	Fuse Block w/ Light ind. for 15-30 V	79.0	60.5	14.31	13.25	10.60	651-0203137	- -	651-1205066	651-0800886	NS 3
651—3004249		B	UK HESILA 250	Fuse Block w/ Light ind. for 110-250 V	79.0	60.5	14.31	13.25	10.60	651-0203137	- -	651-1205066	651-0800886	NS 3
651—3048386		C	UK 10.3 HESI N	Fuse Block	81	79.0	11.21	10.08	9.07	651-3009299	- -	651-1205066	651-0800886	NS 3
651—3048399		C	UK 10.3 HESILED N 690	Fuse Blk w/ Light ind. for 220-690 V	81	79.0	16.85	15.16	13.64	651-3009367	- -	- -	- -	- -
651—3007204		D	UKK 5 HESI (5x20)	Fuse Block	86.5	79.0	17.63	16.33	13.06	- -	651-2772080	651-1205053	651-0800886	NS 3
651—3026654		D	UKK5 HESILED 24 (5x20)	Fuse Block w/ Light ind. for 15-30 V	86.5	79.0	24.84	23.00	18.40	- -	651-2772080	651-1205053	651-0800886	NS 3
651—0711629		D	UKK 5 HESILA 250 (5x20)	Fuse Block w/ Light ind. for 110-250 V	86.5	79.0	19.80	18.57	15.49	- -	651-2772080	651-1205053	651-0800886	NS 3
651—3007217		E	UKK 5 HESI (6.3x32)	Fuse Block	86.5	79.0	14.25	13.67	12.03	- -	651-2772080	651-1205053	651-0800886	NS 3
651—0711632		E	UKK 5 HESILED 24 (6.3x32)	Fuse Block w/ Light ind. for 15-30 V	86.5	79.0	18.95	17.58	15.76	- -	651-2772080	651-1205053	651-0800886	NS 3
651—0711616		E	UKK5 HESILA 250 (6.3x32)	Fuse Block w/ Light ind. for 110-250 V	86.5	79.0	19.70	18.43	16.35	- -	651-2772080	651-1205053	651-0800886	NS 3



Three Level Sensor Terminal Blocks

For quantities 100 and up, call for quote. Accessories (See accessory page for pricing and descriptions)

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Dimensions (mm) A	B	Price Each 1	10	50	Partition Plate	Fixed Bridge	Insertion Bridge	Fuse Plug	Fusle 30V Light	Fuse 250V Light	Screwdriver	End Bracket	Din R Type
651—2774237		A	DIKD 1.5 TG	72.5	54.5	7.83	7.25	5.50	651-1413285	- -	651-2715940	651-0921011	651-0921037	651-0921053	651-1205053	651-0800886	NS 35
										- -	651-2715953		- -	- -	- -	- -	- -
651—2715966		B	DIK 1.5	55.0	54.5	5.02	4.65	3.72	651-1413272	651-0203250	651-2715940	- -	- -	- -	651-1205053	651-0800886	NS 35
											651-2715953	- -	- -	- -	- -	- -	- -
651—2715979		C	DIKD 1.5	72.5	54.5	8.73	8.09	6.47	651-1413285	651-0203250	651-2715940	- -	- -	- -	651-1205053	651-0800886	NS 35
											651-2715953	- -	- -	- -	- -	- -	- -

Base Terminal Blocks for Cartridge Fuse

For quantities of 100 and up, call for quote. Accessories (See accessory page for pricing and descriptions)

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Dimensions (mm) A	B	Price Each 1	10	50	End Cover	Partition Plate	Fixed Bridge	Insertion Bridge	Fuse Plug	Fuse 30V Light	Fuse 250V Light	End Bracket	Din R Type
651—2812018		D	UK 4 -TG	42.5	47.0	3.89	3.60	2.88	651-3003020	651-3003224	- -	651-0201139	651-0921011	651-0921037	651-0921053	651-0800886	NS 35
651—2777014		E	UDK 4-TG	63.5	47.0	3.82	3.54	2.83	651-2777027	- -	651-0203250	651-0201139	651-0921011	651-0921037	651-0921053	651-0800886	NS 35
651—3007042		F	UKK 5-TG	80.0	68.5	10.33	9.56	7.65	- -	- -	651-0203250	651-0201139	651-0921011	651-0921037	651-0921053	651-0800886	NS 35

K UNIVERSAL DIN RAIL TERMINAL BLOCKS

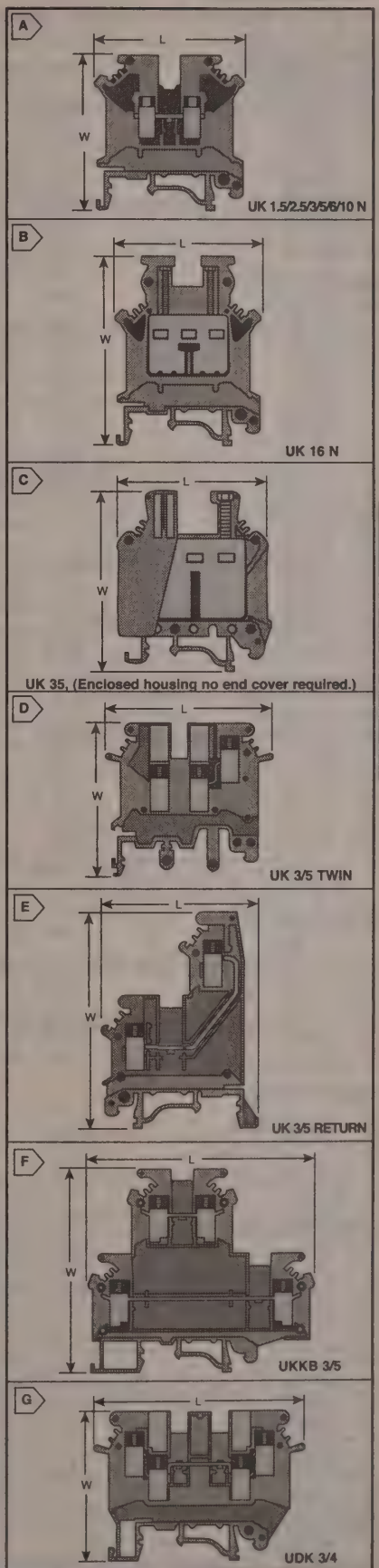
Screw cage clamp connections • Contacts made from nickel plated copper alloy

For quantities of 500 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Fig.	Phoenix Type	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm) H	L	W	Price Each 1	10	50	100
niversal Feed-Thru Terminal Blocks													
51—3005837	A	UK 1.5 N	Gray	30-14	300	15	42	42.5	4.2	1.55	1.44	1.15	1.04
51—3005840	A	UK 1.5 N BU	Blue	30-14	300	15	42	42.5	4.2	3.29	2.63	2.37	2.13
51—3003347	A	UK 2.5 N	Gray	30-12	300	20	42	42.5	5.2	1.49	1.38	1.10	.99
51—3003350	A	UK 2.5 N BU	Blue	30-12	300	20	42	42.5	5.2	1.49	1.38	1.10	.99
51—3001501	A	UK 3 N	Gray	28-12	600	20	47	42.5	5.2	1.55	1.44	1.15	1.04
51—3001514	A	UK 3 N BU	Blue	28-12	600	20	47	42.5	5.2	2.63	2.36	2.20	2.04
51—3004362	A	UK 5 N	Gray	30-10	600	30	47	42.5	6.2	1.45	1.12	1.02	.85
51—3004388	A	UK 5 N BU	Blue	30-10	600	30	47	42.5	6.2	1.65	1.53	1.22	1.10
51—3004524	A	UK 6 N	Gray	26-8	600	50	47	42.5	8.2	2.11	1.95	1.56	1.40
51—3004977	A	UK 6 N BU	Blue	26-8	600	50	47	42.5	8.2	2.45	1.96	1.76	1.58
51—3005073	A	UK 10 N	Gray	24-6	600	65	47	42.5	10.2	2.69	2.49	1.99	1.79
51—3005086	A	UK 10 N BU	Blue	24-6	600	65	47	42.5	10.2	6.34	6.05	5.51	4.92
51—3006043	B	UK 16 N	Gray	22-4	600	85	54	42.5	12.2	4.35	4.03	3.22	2.90
51—3006056	B	UK 16 N BU	Blue	22-4	600	85	54	42.5	12.2	9.68	7.74	6.97	6.27
51—3008012	C	UK 35	Gray	18-1/0	1000	150	62	50	15.2	11.48	10.63	8.50	7.65
51—3008025	C	UK 35 BU	Blue	18-1/0	1000	150	62	50	15.2	11.56	10.70	8.56	7.70
niversal Ground Terminal Blocks													
51—3005853		USLKG 1.5 N	Gr/Yel	30-14	-	-	42	42.5	4.2	9.24	8.83	7.10	6.65
51—0441119		USLKG 2.5 N	Gr/Yel	30-12	-	-	42	42.5	5.2	6.01	5.56	4.45	4.01
51—0441083		USLKG 3	Gr/Yel	28-12	-	-	47	42.5	2.2	6.22	5.76	4.61	4.15
51—0441504		USLKG 5	Gr/Yel	26-10	-	-	47	42.5	6.2	5.91	5.48	4.38	3.94
51—0442079		USLKG 6 N	Gr/Yel	26-8	-	-	47	42.5	8.2	6.47	5.99	4.79	4.31
51—3003923		USLKG 10 N	Gr/Yel	24-6	-	-	47	42.5	10.2	7.05	6.53	5.22	4.70
51—0443023		USLKG 16 N	Gr/Yel	22-4	-	-	54	42.5	12.2	9.36	8.66	6.93	6.24
51—0444019		USLKG 35	Gr/Yel	18-1/0	-	-	62	50	15.2	15.59	14.44	11.55	10.40
niversal Twin Conductor Feed Thru Terminal Blocks													
51—3002225	D	UK 3-TWIN	Gray	30-12	300	20	47	50.5	5.2	3.21	2.98	2.38	2.14
51—3002416	D	UK 3-TWIN BU	Blue	30-12	300	20	47	50.5	5.2	2.98	2.38	2.14	1.93
51—1923021	D	UK 5-TWIN	Gray	30-10	300	30	47	50.5	6.2	2.39	2.28	1.90	1.75
51—1923047	D	UK 5-TWIN BU	Blue	30-10	300	30	47	50.5	6.2	3.08	2.85	2.28	2.05
niversal Twin Ground Terminal Blocks													
51—1923128		UK 3-TWIN-PE	Gr/Yel	30-12	-	-	47	50.5	5.2	7.87	7.29	5.83	5.25
51—1923076		UK 5-TWIN-PE	Gr/Yel	30-10	-	-	47	50.5	6.2	6.15	5.83	5.24	4.72
niversal Return Terminal Blocks													
51—3002513	E	UK 3 RETURN	Gray	30-12	300	20	58.5	47.5	5.2	2.32	2.15	1.72	1.55
51—3002568	E	UK 3 RETURN BU	Blue	30-12	300	20	58.5	47.5	5.2	2.32	2.15	1.72	1.55
51—3002597	E	UK 5 RETURN	Gray	30-10	300	30	58.5	47.5	6.2	2.61	2.09	1.88	1.69
51—3002490	E	UK 5 RETURN BU	Blue	30-10	300	30	58.5	47.5	6.2	2.61	2.09	1.88	1.69
niversal Return Ground Terminal Blocks													
51—3002555		UK 3 RETURN PE	Gr/Yel	30-10	-	-	58.5	42.5	5.2	7.08	5.66	5.09	4.58
51—3002584		UK 5 RETURN PE	Gr/Yel	30-10	-	-	58.5	42.5	6.2	6.80	5.44	4.90	4.41
niversal Double Level Terminal Blocks - Double Feed Thru													
51—2771010	F	UKKB 3	Gray	28-12	600	20	62	67	5.2	4.75	4.40	4.10	3.69
51—2771094	F	UKKB 3 BU	Blue	28-12	600	20	62	67	5.2	4.75	4.40	4.10	3.69
51—2771146	F	UKKB 5	Gray	26-10	600	30	62	67	6.2	5.10	4.50	3.67	3.41
niversal Double Level Ground Terminal Block													
51—3007123		UKKB 5-PE	Gr/Yel	26-10	-	-	62	67	6.2	13.95	11.51	8.58	7.98
niversal Double Level Terminal Blocks - Single Feed Thru													
51—2775375	G	UDK 3	Gray	30-12	300	20	47	63.5	5.2	3.04	2.89	2.73	2.50
51—2775016	G	UDK 4	Gray	30-10	600	30	47	63.5	6.2	2.85	2.55	2.10	1.88
niversal Double Level Ground Terminal Block													
51—2775456		UDK 3-PE	Gr/Yel	30-12	-	-	47	63.5	5.2	10.63	10.18	9.25	8.33
51—2775184		UDK 4-PE	Gr/Yel	30-10	-	-	47	63.5	6.2	7.50	6.50	5.30	4.99

For quantities of 500 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Phoenix Type	Color	Description	Price Each 1	10	50	100
niversal DIN Rail Terminal Block Accessories							
51—3001022	D-UK 2.5	Gray	End Cover for UK 1.5/2.5	.85	.79	.63	.57
51—3001103	D-UK 2.5 BU	Blue	End Cover for UK 1.5/2.5 BU	.85	.79	.63	.57
51—3003020	D-UK 4/10	Gray	End Cover for UK 3/5/6/10	.88	.81	.65	.59
51—3003101	D-UK 4/10 BU	Blue	End Cover for UK 3/5/6/10 BU	.88	.81	.65	.59
51—3006027	D-UK 16	Gray	End Cover for UK 16	1.03	.95	.76	.68
51—3006108	D-UK 16 BU	Blue	End Cover for UK 16 BU	1.03	.95	.76	.68
51—3002539	D-UK 3-RETURN	Gray	End Cover for UK 3 Return	.96	.89	.71	.64
51—3002571	D-UK 3-RETURN BU	Blue	End Cover for UK 3 Return BU	.96	.89	.71	.64
51—1923034	D-UK 5-TWIN	Gray	End Cover for UK 3/5 TWIN	1.00	.93	.74	.67
51—1923050	D-UK 5-TWIN BU	Blue	End Cover UK 3/5 TWIN BU	1.04	.96	.77	.69
51—3003224	ATP-UK	Gray	Partition Plate	1.00	.93	.74	.67
51—3008096	TP-UK 35	Gray	Separating Plate	1.24	1.15	.92	.83
lly Insulated Divisible Insertion Bridges							
51—2303145	EBL 2-5	Red	2-Position for UK2.5/3 N	.49	.45	.36	.32
51—0201155	EB 2-6	Red	2-Position for UK5 N	.82	.76	.61	.55
51—0202154	EB 2-8	Red	2-Position for UK6 N	1.00	.93	.74	.67
51—0203153	EB 2-10	Red	2-Position for UK10 N	1.30	1.20	.96	.86
51—2303158	EBL 3-5	Red	3-Position for UK2.5/3 N	.76	.70	.56	.50
51—0201142	EB 3-6	Red	3-Position for UK5 N	1.20	1.11	.89	.80
1—0202141	EB 3-8	Red	3-Position for UK6 N	1.49	1.38	1.10	.99
1—0203328	EB 3-10	Red	3-Position for UK10 N	1.65	1.47	1.32	1.19
1—2303132	EBL 10-5	Red	10-Position for UK 2.5/3 N	2.27	2.10	1.68	1.51
1—0201139	EB 10-6	Red	10-Position for UK5 N	3.63	3.36	2.69	2.42
1—0202138	EB 10-8	Red	10-Position for UK6 N	4.50	4.16	3.33	3.00
1—0203137	EB 10-10	Red	10-Position for UK10 N	6.03	5.59	4.47	4.02
1—3006137	EB 10-12	Red	10-Position for UK16 N	5.42	4.93	4.44	3.84
1—0205135	EB 10-15	Red	10-Position for UK35 N	8.62	7.75	7.05	6.39
ed Bridge Bar with Insulated Screws							
1—3001624	FBRN 10-4 N	-	10-Position for UK 1.5 N	5.54	5.13	4.10	3.69
1—2770642	FBRI 10-5 N	-	10-Position for UK2.5/3 N	7.64	7.08	5.66	5.09
1—0203250	FBI 10-6	-	10-Position for UK5 N	6.52	6.04	4.83	4.35
1—0203263	FBI 10-8	-	10-Position for UK6 N	7.61	7.05	5.64	5.08
1—0203276	FBI 10-10	-	10-Position for UK10 N	9.87	9.14	7.31	6.39
1—0203454	FBI 10-12	-	10-Position for UK16 N	12.15	11.25	9.00	8.10
1—0201333	FBI 2-15	-	2-Position for UK35 N	4.44	4.11	3.29	2.96
1—0201278	FBI 3-15	-	3-Position for UK35 N	6.14	5.69	4.55	4.10



PHOENIX CONTACT
INSPIRING INNOVATIO

MT MICRO MINIATURE DIN RAIL TERMINAL BLOCKS

Micro DIN rail terminal block for NS 15 DIN Rail. Screw clamp connections.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm) H	L	W	Price Each 1	10	50	100
MT Micro Miniature Feed-Thru DIN Rail Terminal Blocks														
651—3100305		A	MT 1.5	Gray	30-14	300	15A	23.5	22.0	4.2	1.78	1.40	1.16	1.10
651—3003363		A	MT 1.5 BU	Blue	30-14	300	15A	23.5	22.0	4.2	1.78	1.40	1.16	1.10
651—3001679		B	MT 1.5 QUATTRO	Gray	30-14	300	15A	30.0	33.5	4.2	3.00	2.68	2.41	2.14
651—3001682		C	MT 1.5 TWIN	Gray	30-14	300	15A	30.0	28.0	4.2	3.00	2.68	2.20	1.91
651—3025532		C	MT 1.5 TWIN BU	Blue	30-14	300	15A	30.0	28.0	4.2	3.00	2.68	2.20	1.91
651—1414129		D	MTTB 1.5	Gray	30-14	300	15A	41.0	44.0	4.2	4.64	4.30	3.44	3.10
MT Micro Miniature Ground DIN Rail Terminal Blocks														
651—3100318			MT 1.5 PE	Gr/Yel	30-14	-	-	23.5	22.0	4.2	5.95	5.51	4.41	3.97
651—3001695			MT 1.5 QUATTRO PE	Gr/Yel	30-14	-	-	30.0	28.0	4.2	8.75	8.10	6.48	5.83
651—3001705			MT 1.5 TWIN PE	Gr/Yel	30-14	-	-	30.0	33.5	4.2	7.27	6.40	5.82	5.24

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Phoenix Type	Color	Description	Price Each 1	10	50	100
MT Micro Miniature DIN Rail Terminal Block Accessories								
651—3100321		D-MT 1.5	Gray	End Cover for MT 1.5	.53	.49	.39	.35
651—3025529		D-MT 1.5 BU	Blue	End Cover for MT 1.5 BU	.53	.49	.39	.35
651—3002982		D-MT 1.5 QUATTRO	Gray	End Cover for MT 1.5 QUATTRO	.88	.81	.65	.59
651—3002979		D-MT 1.5 TWIN	Gray	End Cover for MT 1.5 TWIN	.85	.79	.63	.57
651—3025545		D-MT 1.5 TWIN BU	Blue	End Cover for MT 1.5 TWIN BU	.85	.79	.63	.57
651—3002678		DG-MTTB 1.5	Gray	Spacer Cover for MTTB 1.5	.99	.91	.73	.66
651—3002665		D-MTTB 1.5	Gray	End Cover for MTTB 1.5	.82	.76	.61	.55
651—3002681		DP-MTTB 1.5	Gray	Spacer Plate for MTTB 1.5	.93	.86	.69	.62

MBK MINIATURE DIN RAIL TERMINAL BLOCKS

The "larger" miniature terminal block for NS 15 DIN rail. Screw clamp connections.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm) H	L	W	Price Each 1	10	50	100
MBK Miniature Feed-Thru DIN Rail Terminal Blocks														
651—1413036		E	MBK 3/E Z	Gray	28-12	600	20A	32.0	28.0	5.2	2.31	2.14	1.71	1.54
651—1402940		F	MBK 5/E Z	Gray	26-10	600	30A	32.0	28.0	6.2	2.12	2.05	1.64	1.48
651—1414064		G	MBKKB 2.5	Gray	30-12	300	20A	48.0	62.0	5.2	3.75	3.19	2.65	2.39
MBK Miniature Ground DIN Rail Terminal Blocks														
651—1413117			MBK 3/E Z PE	Gr/Yel	28-12	-	-	31.5	28.0	5.2	5.35	4.95	3.96	3.56
651—0452043			MBK 5/E Z PE	Gr/Yel	26-10	-	-	32.0	28.0	5.2	5.76	5.34	4.27	3.84

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Phoenix Type	Color	Description	Price Each 1	10	50	100
MBK Miniature DIN Rail Terminal Block Accessories								
651—1413227		ATP-MBK	Gray	Partition Plate	1.04	.96	.77	.69
651—1415021		DMBK/E	Gray	End Cover for 3 & 5/ E Z	.63	.59	.47	.42
651—1401158		EB 2-5 N	Red	2 Pos. Insertion Bridge	.69	.65	.62	.60
651—1401145		EB 3-5 N	Red	3 Pos. Insertion Bridge	.83	.76	.68	.64
651—1401132		EB 10-5 N	Red	10 Pos. Insertion Bridge	2.63	2.44	1.95	1.76
651—1413052		D-MBKKB 2.5	Gray	End Cover	.80	.74	.59	.53
651—1413065		DP-MBKKB 2.5	Gray	Spacer Plate	.72	.66	.53	.48

OTTA BOLT CONNECTION DIN RAIL TERMINAL BLOCKS

Bolt connection terminal blocks for ring lug terminals.
Unique hinged cover wings which hold the terminal nuts.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Color	Ring Lug Size	Voltage Rating	Current Rating	Dimensions (mm) H	L	W	Price Each 1	10	50	100
OTTA Bolt Connection Feed-Thru DIN Rail Terminal Blocks														
651—0790530		H	OTTA 2.5	Gray	M3	600	20	45.5	43.5	9.0	4.75	4.45	3.70	3.44
651—0790433		I	OTTA 6	Gray	M4	600	30	52.0	43.5	9.0	3.95	3.72	3.09	2.87
*651—0790462		J	OTTA 6-T-P/P	Gray	M4	600	30	52.0	69.0	11.0	9.95	9.06	7.53	6.98
OTTA Bolt Connection Ground DIN Rail Terminal Blocks														
651—0790556			OTTA 2.5 PE	Gr/Yel	M3	-	-	45.5	43.5	9.0	9.50	8.50	7.75	7.28
651—0790527			OTTA 6 PE	Gr/Yel	M4	-	-	52.0	43.5	11.0	11.25	10.85	9.03	8.39

* Includes 4mm female test connector

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Phoenix Type	Color	Description	Price Each 1	10	50	100
651—0790569		D-OTTA 2.5	Gray	End Cover for OTTA 2.5	1.11	1.03	.82	.74
651—0790417		D-OTTA 6	Gray	End Cover for OTTA 6	1.03	.95	.76	.68
651—0790459		D-OTTA 6-T	Gray	End Cover for OTTA 6-T	1.03	.95	.76	.68

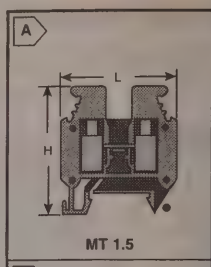
FERRULES

For quantities of 500 and up, call for quote.

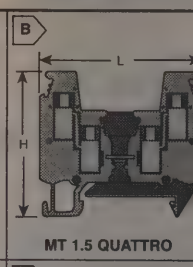
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Color	Cross Section (mm²)	AWG	Dimensions (mm) l1	l2	d1	s1	d2	s2	Price Each 1	10	50	100
Ferrules with Plastic Insulating Sleeves																
651—3200014		K	AI 0,5 - 8 WH	White	0.5	20	14.00	8.00	1.10	0.15	2.50	0.25	.19	.18	.14	.13
651—3200182		K	AI 1 -10 RD	Blue	0.75	18	14.00	8.00	1.30	0.15	2.80	0.25	.28	.26	.24	.22
651—3200027		K	AI 0,75- 8 BU	Red	1	18	16.00	10.00	1.50	0.15	3.00	0.30	.19	.18	.14	.13
651—3200195		K	AI 1,5 -10 BK	Black	1.5	16	18.00	10.00	1.80	0.15	3.40	0.30	.28	.26	.24	.22
651—3200962		K	AI 2,5 -12 BU	Blue	2.5	14	18.00	12.00	2.30	0.15	4.20	0.30	.33	.31	.28	.25
651—3200535		K	AI 4 -10 GY	Gray	4	12	17.00	10.00	2.80	0.20	4.80	0.30	.28	.26	.24	.22
651—3200548		K	AI 6 -12 YE	Yellow	6	10	20.00	12.00	3.50	0.20	6.20	0.30	.43	.40	.37	.34
Ferrules without Plastic Insulating Sleeves																
651—3200218		L	A 0,5 - 6	---	0.5	20	6.00	5.30	1.00	0.15	2.10	---	.11	.10	.08	.07
651—3200221		L	A 0,75- 6	---	0.75	18	6.00	5.30	1.20	0.15	2.30	---	.11	.10	.08	.07
651—3200250		L	A 1 -10	---	1	18	10.00	9.30	1.40	0.15	2.50	---	.15	.14	.11	.10
651—3200276		L	A 1,5 -10	---	1.5	16	10.00	9.00	1.70	0.15	2.80	---	.15	.14	.11	.10
651—3200289		L	A 2,5 - 7	---	2.5	14	7.00	6.00	2.20	0.15	3.40	---	.14	.13	.10	.09

TOOLING

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Phoenix Type	Description	Price Each 1	5
651—1206366		CrimpFox UD 6-6	Crimping Pliers, Hexagonal Compression, for Ferrules .25-6 mm²	210.00	197.00



MT 1.5



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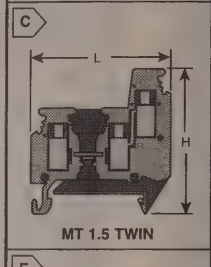
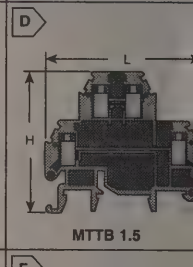


MT 1.5 TWIN



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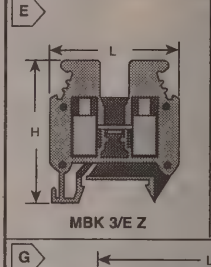

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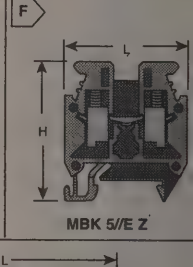

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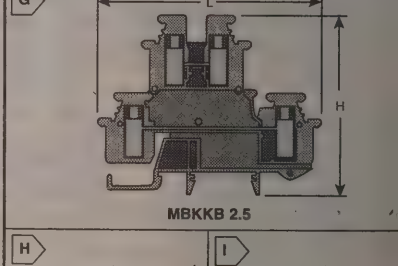

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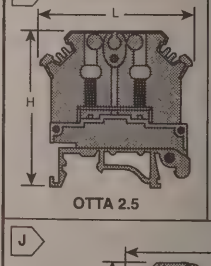

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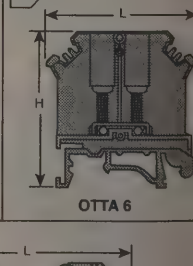

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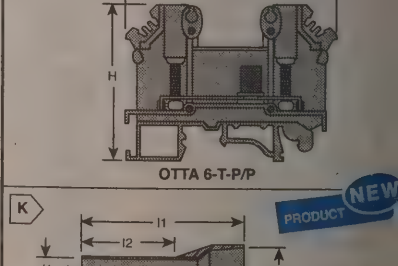

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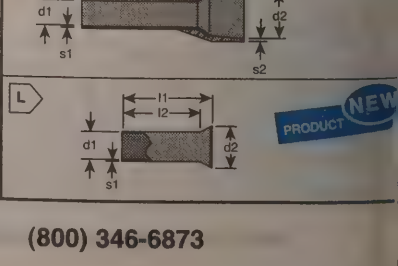

PRODUCT NEW

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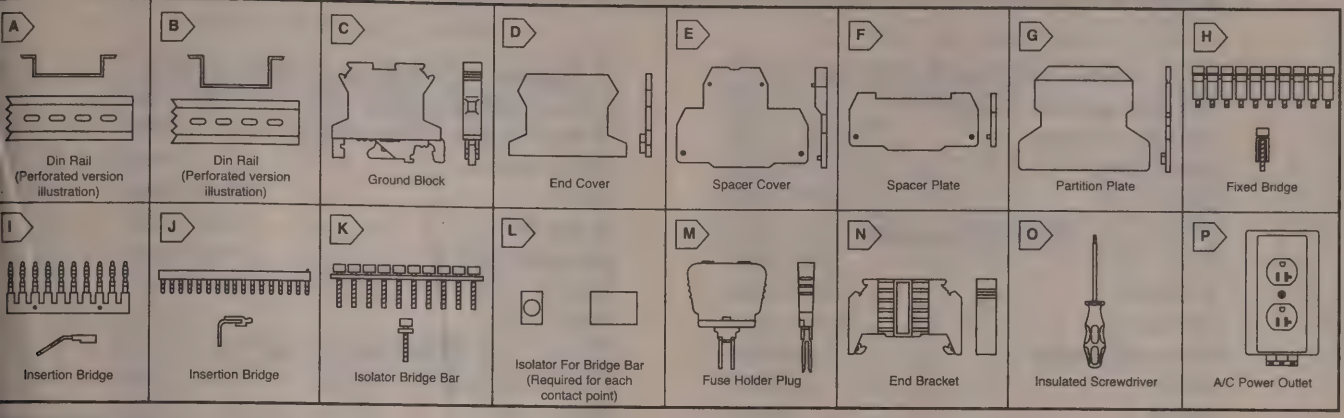
MOUSER ELECTRONICS a tti company

PHOENIX CONTACT DIN Rail Mounted Terminal Block Accessories

PHOENIX CONTACT
INSPIRING INNOVATIONS

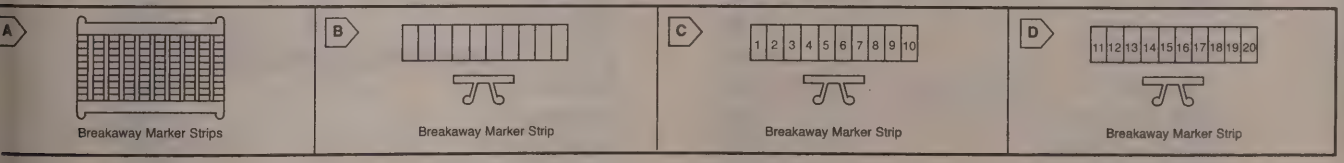


IN Rail Terminal Block Accessories

OUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	Price Each 1	10	50
51—	5602099	A	NS 15	15mm x 5.5mm x 1m DIN Rail Perf.	7.43	6.88	5.50
51—	5602100	A	NS 35/7.5	35mm x 7.5mm x 1m DIN Rail Perf.	8.91	8.25	6.60
51—	5603400	A	NS 35/7.5	35mm x 7.5mm x 1m DIN Rail Unperf.	9.28	8.54	7.86
51—	5603401	B	NS 35/15	35mm x 15mm x 1m DIN Rail Perf.	22.74	21.05	16.78
51—	5603402	B	NS 35/15	35mm x 15mm x 1m DIN Rail Unperf.	17.98	16.64	13.27
51—	5604187	B	NS 35/58 AL	35mm x 38mm x 1m DIN Rail Perf.	13.34	12.01	10.38
51—	3100318	C	MT 1.5 PE	4.2mm Ground Block (30 -14 AWG)	5.95	5.51	4.41
51—	1413117	C	MBK 3/E-Z-PE	5.2mm Ground Block (30 -12 AWG)	5.35	4.95	3.96
51—	0452043	C	MBK 5/E-Z-PE	6.2mm Ground Block (24 -10 AWG)	5.76	5.34	4.27
51—	3005853	C	USLKG 1.5 N	4.2mm Ground Block (30 -14 AWG)	5.20	4.81	3.85
51—	0441119	C	USLKG 2.5 N	5.2mm Ground Block (30 -12 AWG)	6.01	5.56	4.45
51—	0441504	C	USLKG 5	6.2mm Ground Block (26 -10 AWG)	5.91	5.48	4.38
51—	0442079	C	USLKG 6 N	8.2mm Ground Block (26 - 8 AWG)	6.47	5.99	4.79
51—	3003923	C	USLKG 10 N	10.2mm Ground Block (24 - 6 AWG)	7.05	6.53	5.22
51—	2774211	C	UKK 5-PE	6.2mm Ground Blk. (26-10 AWG) 2 Pos.	13.20	12.23	9.78
51—	3100321	D	D-MT 1.5	End Cover	.53	.49	.39
51—	3002665	D	D-MTTB 1.5	End Cover	.82	.76	.61
51—	1415021	D	D-MBK/E	End Cover	.63	.59	.47
51—	3001022	D	D-UK 2.5	End Cover	.85	.79	.63
51—	3003020	D	D-UK 4/10	End Cover	.88	.81	.65
51—	2770024	D	D-UKK 3/5	End Cover	1.31	1.21	.97
51—	2777027	D	D-UDK RELG	End Cover	.93	.86	.69
51—	3002678	E	DG-MTTB 1.5	Spacer Cover	.99	.91	.73
51—	2770817	E	DG-UKK 3/5	Spacer Cover	1.43	1.33	1.06
51—	3002681	F	DP-MTTB 1.5	Spacer Plate	.93	.86	.69
51—	2770794	F	DP-UKK 3/5	Spacer Plate	.96	.89	.71
51—	3003224	G	ATP-UK	Partition Plate	1.00	.93	.74
51—	1413285	G	ATP-DIKD 1.5	Partition Plate	1.43	1.33	1.06

DIN Rail Terminal Block Accessories

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	Price Each 1	10	50
651—	1413272	G	ATP-DIK 1.5	Partition Plate	1.28	1.19	.95
651—	3001624	H	FBRN 10-4 N	10 Position Fixed Bridge Divisible	5.54	5.13	4.10
651—	2770642	H	FBRI 10-5 N	10 Position Fixed Bridge Divisible	7.64	7.08	5.66
651—	0203250	H	FBI 10-6	10 Position Fixed Bridge Divisible	6.52	6.04	4.83
651—	0203263	H	FBI 10-8	10 Position Fixed Bridge Divisible	7.61	7.05	5.64
651—	0203276	H	FBI 10-10	10 Position Fixed Bridge Divisible	9.87	9.14	7.31
651—	2772080	H	FBRI 10-8N	10 Position Fixed Bridge Divisible	8.10	7.50	6.00
651—	2303132	I	EBL 10-5	10 Pos. Insertion Bridge Divisible	2.27	2.10	1.68
651—	0201139	I	EB 10-6	10 Pos. Insertion Bridge Divisible	3.63	3.36	2.69
651—	0202138	I	EB 10-8	10 Pos. Insertion Bridge Divisible	4.50	4.16	3.33
651—	0203137	I	EB 10-10	10 Pos. Insertion Bridge Divisible	6.03	5.59	4.47
651—	3118135	I	EBS 10-8	10 Pos. Insertion Bridge Divisible	4.50	4.16	3.33
651—	2715940	J	EB 80-DIK BU	80 Pos. Insertion Bdg. (Middle) Div.	41.08	38.04	30.43
651—	2715953	J	EB 80-DIK RD	80 Pos. Insertion Bdg. (Lower) Div.	41.08	38.04	30.43
651—	3009299	J	EB 56-18	56 Pos. Insertion Bridge Divisible	53.08	49.15	39.32
651—	3009367	J	EB 56-18	56 Pos. Insertion Bdg (3 Phase) Div.	152.55	141.25	113.00
651—	0301505	K	ISSBI 10-6	10 Position Isolator Bridge Bar	5.08	4.70	3.76
651—	1302338	L	IS-K 4	Isolator for Bridge Bar	.41	.38	.30
651—	0921011	M	ST-SI-UK4	Fuse Holder (5x20mm)	3.56	3.30	2.64
651—	0921037	M	ST-SILED 24 UK4	Fuse Holder 30V Lamp (5x20mm)	13.26	12.28	9.82
651—	0921053	M	ST-SILA 250-UK4	Fuse Holder 250V Lamp (5x20mm)	9.72	9.00	7.20
651—	1421659	N	E/MK 1	End Bracket For NS 15 DIN Rail	.82	.76	.61
651—	0800886	N	E/NS 35 N	End Bracket For NS 35 DIN Rail	1.23	1.14	.91
651—	1205037	O	SZS 0.4x2.5	Screwdriver-Insulated Blade Shaft	10.86	9.75	8.20
651—	1205053	O	SZS 0.6x3.5	Screwdriver-Insulated Blade Shaft	10.86	9.75	8.20
651—	1205066	O	SZS 1.0x4.0	Screwdriver-Insulated Blade Shaft	16.75	15.51	12.41
651—	5600525	P	EM-DUO 120/20	120 Outlet For NS 35 DIN Rail	25.00	24.00	22.10
651—	1204384	–	Quick Wire Fox 6	Wire Strippers, AWG 30-10	61.92	56.47	- - -



arker Strips For DIN Rail Terminal Blocks

OUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	Use With Terminal Block	Price Each 1	10	50
1—	0803579	A	ZBFM 4/WH: UNPRINTED	Unprinted marker strip for up to 100 positions	MT 1.5, MTTB 1.5	8.44	7.81	6.25
1—	0800734	A	ZBFM 8/WH: UNPRINTED	Unprinted marker strip for up to 50 positions	UKK 5 HESI	8.44	7.81	6.25
1—	0800268	A	ZBFM 4/WH, LGS: 1-100	Preprinted marker strip from 1 to 100	MT 1.5, MTTB 1.5	11.83	10.95	8.76
1—	0805001	B	ZB 4: UNPRINTED	Unprinted marker strip for up to 10 positions	UK 1.5 N	.90	.84	.67
1—	1050004	B	ZB 5: UNPRINTED	Unprinted marker strip for up to 10 positions	MBK 3/EZ, UK 2.5 N	.90	.84	.67
1—	1051003	B	ZB 6: UNPRINTED	Unprinted marker strip for up to 10 positions	MBK 5/EZ, UK 5 N, UKK 5, SLKK 5, DIKD 1.5-TG, DIK 1.5, DIKD1.5, UK 4-TG, UDK 4-TG, UKK 5-TG, UT 4	.90	.84	.67
I—	1052002	B	ZB 8: UNPRINTED	Unprinted marker strip for up to 10 positions	UK 6 N, UK 5 HESI, UK 5 HESILED 24, UK 5 HESILA 250	.90	.84	.67
I—	1053001	B	ZB 10: UNPRINTED	Unprinted marker strip for up to 10 positions	UK 10 N, UK 6.3 HESI, UK 10.3 HESI, UK 6.3 HESILED 24, UK 6.3 HESILA 250	.90	.84	.67
I—	0805807:0001	C	ZB 4: QR: 1-10	Preprinted marker strip from 1 to 10	UK 1.5 N	1.65	1.44	1.22
I—	1050017:0001	C	ZB 5, LGS: 1-10	Preprinted marker strip from 1 to 10	MBK 3/EZ, UK 2.5 N	1.26	1.16	.93
I—	1051016:0001	C	ZB 6, LGS: 1-10	Preprinted marker strip from 1 to 10	MBK 5/EZ, UK 5 N, UKK 5, SLKK 5, DIKD 1.5-TG, DIK 1.5, DIKD1.5, UK 4-TG, UDK 4-TG, UKK 5-TG, UT 4	1.26	1.16	.93
—1	052015:0001	C	ZB 8, LGS: 1-10	Preprinted marker strip from 1 to 10	UK 6 N, UK 5 HESI, UK 5 HESILED 24, UK 5 HESILA 250	1.43	1.29	1.20
—1	053014:0001	C	ZB 10, LGS: 1-10	Preprinted marker strip from 1 to 10	UK 10 N, UK 6.3 HESI, UK 10.3 HESI, UK 6.3 HESILED 24, UK 6.3 HESILA 250	1.26	1.16	.93
—0	805807:0011	D	ZB 4: QR: 11-20	Preprinted marker strip from 11 to 20	UK 1.5 N	1.43	1.28	1.20
—1	050017:0011	D	ZB 5, LGS: 11-20	Preprinted marker strip from 11 to 20	MBK 3/EZ, UK 2.5 N	1.43	1.28	1.15
—1	051016:0011	D	ZB 6, LGS: 11-20	Preprinted marker strip from 11 to 20	MBK 5/EZ, UK 5 N, UKK 5, SLKK 5, DIKD 1.5-TG, DIK 1.5, DIKD1.5, UK 4-TG, UDK 4-TG, UKK 5-TG, UT 4	1.26	1.16	.93
—1	052015:0011	D	ZB 8, LGS: 11-20	Preprinted marker strip from 11 to 20	UK 6 N, UK 5 HESI, UK 5 HESILED 24, UK 5 HESILA 250	1.43	1.29	1.20
—1	053014:0011	D	ZB 10, LGS: 11-20	Preprinted marker strip from 11 to 20	UK 10 N, UK 6.3 HESI, UK 10.3 HESI, UK 6.3 HESILED 24, UK 6.3 HESILA 250	1.07	1.61	1.41
—1	051993	---	M-PEN	Black Marking Pen	(Use with all unprinted marking strips)	9.75	8.50	7.65

SWITCHES

Basic / Snap Switches
Cherry Electrical Products 1110-1114
Mountain Switch 1114, 1115
Micro Switch 1116
Omron 1117-1122

Tactile Switches
ALPS 1123-1125
E-Switch 1126
ITT/Cannon 1127, 1128
Mountain Switch 1129-1131
NKK 1132
APEM 1133
Bourns 1133
Omron 1133

Detection Switches
ALPS 1134, 1135
Omron 1135

Directional Switches & Encoders
Alpha 1137
ALPS 1136-1138
BEI Duncan 1139
Bourns 1140
Piher 1137

Pushbutton Switches
Alcoswitch/Tyco Electronics ...1141, 1142
Alpha 1153
ALPS 1143
APEM 1144
Bulgin 1145
Carling Technologies 1146
C&K 1147, 1148
ITT/Cannon 1149
Electroswitch 1150
E-Switch 1150, 1151
ITW Switches 1152
Mountain Switch 1153-1155
NKK 1156-1161
Omron 1162-1167
Schurter 1168
Shin Chin 1169, 1170

Toggle Switches
Alcoswitch/Tyco Electronics 1171-1173
APEM 1173
C&K 1174, 1175
Carling Technologies 1175
E-Switch 1176
Electroswitch 1176
Mountain Switch 1177-1180
NKK 1181-1184
Shin Chin 1180

Rocker / Paddle Switches
APEM 1185

Rocker / Paddle Switches (cont.)
Carling Technologies 1185, 1186
Cherry Electrical Products 1187
CW Industries 1188
C&K 1189
E-Switch 1190, 1191
Mountain Switch 1192-1195
NKK 1195-1197
Shin Chin 1198

Slide Switches
Alcoswitch/Tyco Electronics 1199
Alpha 1206
ALPS 1200
C&K 1201, 1202
CW Industries 1203
E-Switch 1203
Mountain Switch 1204, 1206
NKK 1205
Shin Chin 1206

Magnetic / Reed Switches
Amseco 1207
Coto Technology 1208

DIP / SIP Switches
Alcoswitch/Tyco Electronics 1209
C&K 1210
Mountain Switch 1211
Omron 1212

Rotary Switches
Alpha 1213
Electroswitch 1214-1217
Lorlin 1218
NKK 1219

Coded Rotary Switches
APEM 1220
Bourns 1220
ITT/Cannon 1220, 1221
Mountain Switch 1221
Omron 1221

Thumbwheel / Pushwheel Switches
Cherry Electrical Products 1222
ITT/Cannon 1222
Mountain Switch 1223
Omron 1223

Switch Seals
APM Hexseal 1224

Keylock/ Selector Switches
APEM 1225
NKK 1225
Omron 1226, 1227

Limit Switches
Omron 1228, 1229

RELAYS

PCB - Frequency Relays
Omron 1230

PCB-Low Signal Relays
Axicom / Tyco Electronics 1231, 1232
Fujitsu 1233, 1234
Magnecraft 1235
NEC 1235, 1236
Omron 1237-1239

PCB-General Purpose Relays
Fujitsu 1240, 1241
Magnecraft 1242
Omron 1243-1246
OEG / Tyco Electronics 1247-1249
P&B / Tyco Electronics 1250, 1251
Schrack/ Tyco Electronics 1249

Automotive Relays
Fujitsu 1252
NEC 1252
Omron 1253
Tyco Electronics 1253

Reed Relays
Coto Technology 1254-1256

Reed Relays (cont.)
Magnecraft 1257
OEG / Tyco Electronics 1258
P&B / Tyco Electronics 1258

Solid State Relays & I/O Modules
CII (Continental Industries) 1259, 1260
Clare 1261
Crydom 1262-1267
Magnecraft 1268
NEC 1269
Omron 1270-1272
P&B / Tyco Electronics 1273
Sharp 1274

General Purpose / Industrial Relays
Magnecraft 1275-1280
NTE 1281, 1282
Omron 1283-1287
OEG / Tyco Electronics 1288
P&B / Tyco Electronics 1288-1293
Phoenix Contact 1294
Schrack / Tyco Electronics 1288

ELECTROMECHANICAL

Controllers, Counters & Timers
Omron 1295-1300

Motors
Applied Motion 1301

Keyboards & Peripherals
Cherry Electrical Products 1302, 1303

Circuit Breakers
Carling Technologies 1304-1306
Phoenix Contact 1307
P&B / Tyco Electronics 1308-1310
Schurter 1310, 1311

Audio
Amseco 1321
Digisound 1321
Horn 1312
Kobitone 1312-1318

Audio (cont.)
Mallory Sonalert Products 1319, 1320
Murata 1328
Projects Unlimited 1322-1328

Knobs
Alcoswitch / Tyco Electronics 1329
Eagle Plastic Devices 1330, 1331
Re'an 1332
Davies Molding 1332

Hardware
3M 1333
Altech 1334
Heyco 1335-1337
Keystone 1333, 1338-1344
Eagle Plastic Devices 1344-1349

SENSORS

Motion & Position Sensors
ALPS 1350
BEI Duncan 1351
Piher 1350
Vishay 1350

Speed & Proximity Sensors
Cherry Electrical Products 1352
Omron 1353-1356

Photomicrosensors
Omron 1357, 1358

Photoelectric Sensors
Omron 1359-1361

Fiber Optic Sensors
Omron 1361

Vibration & Tilt Sensors
ALPS 1362
NKK 1362
Omron 1362

Pressure Sensors
ALL Sensors 1363, 1364
MSI Sensors 1365, 1366
Omron 1367

DH SERIES: ULTRA-SUBMINIATURE SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) .323L x .106W x .238H

Typical Applications:
- Photographic Equipment
- Telecommunications

DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
5-50mA @ 30 VDC											
540-DH4C-B1AA	DH4C-B1AA	A	Insertion Molded	-----	Button	90g	.220+/-.006	3.91	3.13	2.55	2.35
540-DH4C-B1LA	DH4C-B1LA	B	Insertion Molded	.217 +/-.008	Lever	50g	.264+/-.020	4.04	3.32	2.63	2.42
540-DH4C-C5LA	DH4C-C5LA	C	Insertion Molded Right	.217 +/-.008	Lever	50g	.264+/-.020	4.12	3.30	2.69	2.47
540-DH4C-C6LA	DH4C-C6LA	D	Insertion Molded Left	.217 +/-.008	Lever	50g	.264+/-.020	4.12	3.30	2.69	2.47
50-300mA @ 30VDC											
540-DH3C-B1AA	DH3C-B1AA	A	Insertion Molded	-----	Button	90g	.220 +/-.006	2.30	1.84	1.50	1.38
540-DH3C-B1LA	DH3C-B1LA	B	Insertion Molded	.217 +/-.008	Lever	50g	.264+/-.020	2.38	1.90	1.55	1.43
540-DH3C-C5LA	DH3C-C5LA	C	Insertion Molded Right	.217 +/-.008	Lever	50g	.264+/-.020	2.43	1.94	1.58	1.46
540-DH3C-C6LA	DH3C-C6LA	D	Insertion Molded Left	.217 +/-.008	Lever	50g	.264+/-.020	2.43	1.94	1.58	1.46

DG SERIES: SUB-SUBMINIATURE SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) .504L x .228W x .255H

Typical Applications:
- Automotive
- Computer
- Medical Equipment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
50mA 30 VDC											
540-DG23-B1AA	DG23-B1AA	E	Insertion Molded	-----	Button	140	.213+/-.008	3.43	2.74	2.23	2.06
540-DG23-B1LA	DG23-B1LA	F	Insertion Molded	0.169	Straight	140	.268+.031/-.016	3.53	2.82	2.30	2.12
540-DG23-B1RA	DG23-B1RA	G	Insertion Molded	0.075	Roller	140	.488+/-.020	3.65	2.92	2.38	2.19
540-DG23-B3LA	DG23-B3LA	H	Insertion Molded Left	0.169	Straight	140	.268+.031/-.016	3.65	2.92	2.38	2.19
3A 125 VAC, 2A 30 VDC											
540-DG13-B1AA	DG13-B1AA	E	Insertion Molded	-----	Button	140	.213+/-.008	3.15	2.52	2.05	1.89
540-DG13-B1LA	DG13-B1LA	F	Insertion Molded	0.169	Straight	140	.268+.031/-.016	3.30	2.64	2.15	1.98
540-DG13-B1RA	DG13-B1RA	G	Insertion Molded	0.075	Roller	140	.488+/-.020	3.43	2.74	2.23	2.06

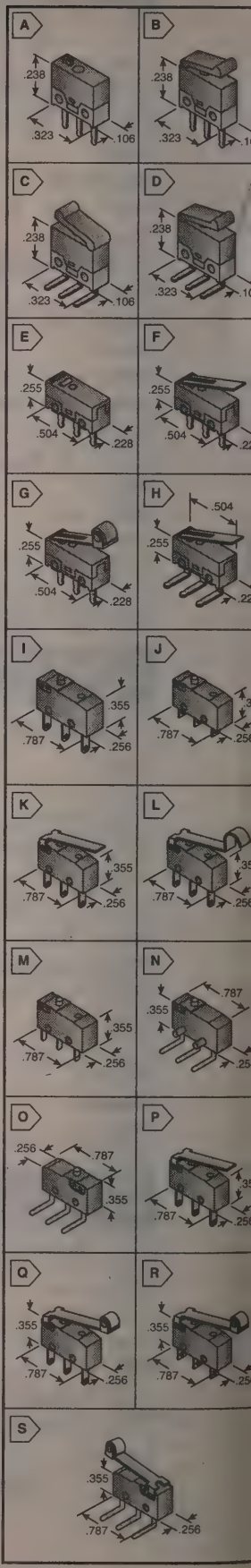
DB SERIES: SUBMINIATURE SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) .787L x .256W x .355H
- DBxA: NO
- DBxB: NC
- DBxC: DT

Typical Applications:
- Amusement Machines
- Industrial Controls

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
UL 0.1A, 125-250 VAC; VDE 100mA, 250V											
540-DB3C-B1AA	DB3C-B1AA	I	.110 x 0.20 QC	-----	Button	150g	.330+/-.012	1.79	1.43	1.17	1.08
540-DB3C-A1AA	DB3C-A1AA	J	.110 Short Solder	-----	Button	150g	.330+/-.012	1.74	1.39	1.13	1.05
540-DB3C-B1LB	DB3C-B1LB	K	.110 x 0.20 QC	0.189	Lever SR	60g	.421+/-.051	2.28	1.83	1.48	1.37
540-DB3C-B1SC	DB3C-B1SC	L	.110 x 0.20 QC	0.185	Strght w/Sim. Roller SR	55g	.646+/-.059	2.28	1.83	1.48	1.37
540-DB3C-C1AA	DB3C-C1AA	M	.051 x 0.20 PCB	-----	Button	150g	.330+/-.012	1.76	1.41	1.14	1.06
540-DB3C-D2LC	DB3C-D2LC	P	.024 x .020 PCB	0.275	Lever SR	50g	.437+/-.059	2.45	1.96	1.59	1.47
UL 5.0A, 125-250 VAC; VDE 6A, 250V											
540-DB1C-A1AA	DB1C-A1AA	J	.110 Short Solder	-----	Button	150g	.330+/-.012	1.62	1.29	1.05	.97
540-DB1A-B1MC	DB1A-B1MC	-----	.110 x 0.20 QCNO	0.37	Lever HR	22g	.492+/-.118	2.10	1.68	1.37	1.26
540-DB1A-C1AA	DB1A-C1AA	-----	.051 x 0.20 PCBNC	-----	Button	150g	.330+/-.012	1.60	1.28	1.04	.96
540-DB1C-A1LB	DB1C-A1LB	P	.110 Short Solder	0.189	Lever SR	60g	.421+/-.051	2.11	1.69	1.37	1.27
540-DB1C-B1AA	DB1C-B1AA	I	.110 x 0.20 QC		Button	150g	.330+/-.012	1.62	1.30	1.06	.98
540-DB1C-B1LB	DB1C-B1LB	P	.110 x 0.20 QC	0.189	Lever SR	60g	.421+/-.051	2.13	1.70	1.38	1.28
540-DB1C-B1RB	DB1C-B1RB	Q	.110 x 0.20 QC	0.098	Roller SR	65g	.622+/-.051	3.03	2.42	1.97	1.81
540-DB1C-B1RC	DB1C-B1RC	Q	.110 x 0.20 QC	0.185	Roller SR	55g	.638+/-.059	3.04	2.43	1.98	1.83
540-DB1C-C1AA	DB1C-C1AA	M	.051 x 0.20 PCB	-----	Button	150g	.330+/-.012	1.62	1.29	1.05	.97
540-DB1C-D1AA	DB1C-D1AA	M	.024 x 0.20 PCB	-----	Button	150g	.330+/-.012	1.62	1.30	1.06	.98
540-DB1C-D2AA	DB1C-D2AA	N	.024 x 0.20 PCB	-----	Button	150g	.330+/-.012	1.85	1.48	1.20	1.11
540-DB1C-D4AA	DB1C-D4AA	N	.024 x 0.20 PCB	-----	Button	150g	.330+/-.012	1.83	1.47	1.19	1.10
540-DB1C-D5AA	DB1C-D5AA	O	.024 x 0.20 PCB	-----	Button	150g	.330+/-.012	1.83	1.47	1.19	1.10
540-DB1C-D5RC	DB1C-D5RC	S	.024 x 0.20 PCB	0.185	Roller SR	55g	.638+/-.059	3.15	2.52	2.06	1.90
UL 10.1A, 125-250 VAC 1/4 HP, 125 VAC; VDE 10 (1.5) A, 250V											
540-DB2A-B1AA	DB2A-B1AA	-----	.110 x 0.20 QCNO	-----	Button	250g	.330+/-.012	1.60	1.28	1.04	.96
540-DB2B-B1AA	DB2B-B1AA	-----	.110 x 0.20 QCNC	-----	Button	250g	.330+/-.012	1.55	1.24	1.00	.93
540-DB2C-A1AA	DB2C-A1AA	J	.110 Short Solder	-----	Button	250g	.330+/-.012	1.62	1.29	1.05	.97
540-DB2C-A1RC	DB2C-A1RC	R	.110 Short Solder	0.185	Roller SR	95g	.638+/-.071	3.03	2.42	1.97	1.82
540-DB2C-B1AA	DB2C-B1AA	I	.110 x 0.20 QC	-----	Button	250g	.330+/-.012	1.63	1.31	1.06	.98
540-DB2C-B1RC	DB2C-B1RC	Q	.110 x 0.20 QC	0.185	Roller SR	95g	.638+/-.071	3.04	2.43	1.98	1.83
540-DB2C-C1AA	DB2C-C1AA	M	.051 x 0.20 PCB	-----	Button	250g	.330+/-.012	1.62	1.29	1.05	.97



SERIES: SUBMINIATURE SNAP ACTION SWITCHES

DIMENSIONS (IN.)

pecifications:
Package Size (In.) .781L x .250W x .352H

ypical Applications:
Amusement Machines
Appliances

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
.1A 125 VAC											
40-E63-00H	E63-00H	A	.093 Q.C.	0.271	Straight	27g	0.350+/-0.030	7.01	5.61	4.57	4.21
40-E63-00K	E63-00K	B	.093 Q.C.	0.201	Roller	30g	0.570+/-0.030	7.49	5.99	4.88	4.49
40-E63-10H	E63-10H	C	.143 Short Solder	0.271	Straight	27g	0.350+/-0.030	7.01	5.61	4.57	4.21
40-E63-10K	E63-10K	D	.143 Short Solder	0.201	Roller	30g	0.570+/-0.030	7.49	5.99	4.88	4.49
40-E63-30K	E63-30K	B	.110 Q.C.	0.201	Roller	30g	0.570+/-0.030	7.49	5.99	4.88	4.49
A 125/250 VAC											
40-E61-00A	E61-00A	E	.093 Q.C.	-----	Button	90g	0.330+/-0.015	3.08	2.46	2.01	1.85
40-E61-00H	E61-00H	A	.093 Q.C.	0.271	Straight	27g	0.350+/-0.030	4.41	3.53	2.88	2.65
40-E61-00K	E61-00K	B	.093 Q.C.	0.201	Roller	30g	0.570+/-0.030	4.71	3.77	3.07	2.82
40-E61-10A	E61-10A	F	.143 Short Solder	-----	Button	90g	0.330+/-0.015	3.08	2.46	2.01	1.85
40-E61-10H	E61-10H	C	.143 Short Solder	0.271	Straight	27g	0.350+/-0.030	4.41	3.53	2.88	2.65
40-E61-10K	E61-10K	D	.143 Short Solder	0.201	Roller	30g	0.570+/-0.030	4.71	3.77	3.07	2.82
40-E61-30A	E61-30A	E	.110 Q.C.	-----	Button	90g	0.330+/-0.015	3.08	2.46	2.01	1.85
40-E61-30K	E61-30K	B	.110 Q.C.	0.201	Roller	27g	0.350+/-0.030	4.71	3.77	3.07	2.82
40-E61-50H	E61-50H	A	.093 Q.C.	0.396	Straight HR	9g	0.350+/-0.175	4.41	3.53	2.88	2.65
40-E61-60H	E61-60H	C	.143 Short Solder	0.396	Straight HR	9g	0.350+/-0.175	4.41	3.53	2.88	2.65
0.1A 125/250 VAC											
40-E62-00A	E62-00A	E	.093 Q.C.	-----	Button	212g	0.330+/-0.015	3.48	2.78	2.27	2.09
40-E62-00H	E62-00H	A	.093 Q.C.	0.271	Straight	5g6	0.350+/-0.030	4.41	3.53	2.88	2.65
40-E62-00K	E62-00K	B	.093 Q.C.	0.201	Roller	65g	0.570+/-0.030	5.08	4.07	3.31	3.05
40-E62-10A	E62-10A	F	.143 Short Solder	-----	Button	212g	0.330+/-0.015	3.48	2.78	2.27	2.09
40-E62-10H	E62-10H	C	.143 Short Solder	0.271	Straight	5g6	0.350+/-0.030	4.41	3.53	2.88	2.65
40-E62-10K	E62-10K	D	.143 Short Solder	0.201	Roller	65g	0.570+/-0.030	5.08	4.07	3.31	3.05
40-E62-30A	E62-30A	E	.110 Q.C.	-----	Button	212g	0.330+/-0.015	3.48	2.78	2.27	2.09
40-E62-30K	E62-30K	B	.110 Q.C.	0.201	Roller	65g	0.570+/-0.030	5.08	4.07	3.31	3.05
40-E62-50K	E62-50K	B	.093 Q.C.	0.326	Roller HR	33g	0.570+/-0.158	5.08	4.07	3.31	3.05
40-E62-60H	E62-60H	C	.143 Short Solder	0.396	Straight HR	20g	0.350+/-0.175	4.41	3.53	2.88	2.65

A3 SERIES: SUBMINIATURE SNAP ACTION SWITCHES

pecifications:
Package Size (In.) .781L x .250W x .375H

Typical Applications:
- Amusement Machines
- Vending Machines

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
40-DA3C-B1SB	DA3C-B1SB	G	.110 Q.C.	0.197	Sim. Roller	30g	.571+/-.054	5.55	4.44	3.62	3.33
40-DA3C-D1LB	DA3C-D1LB	H	.110 Q.C.	0.271	Straight	27g	.348+/-.060	5.33	4.26	3.47	3.20
40-DA3C-D1RB	DA3C-D1RB	I	.110 Q.C.	0.201	Roller	30g	.571+/-.054	5.50	4.40	3.59	3.30
40-DA3C-F1RB	DA3C-F1RB	I	.093 Q.C.	0.201	Roller	30g	.571+/-.055	5.50	4.40	3.59	3.30

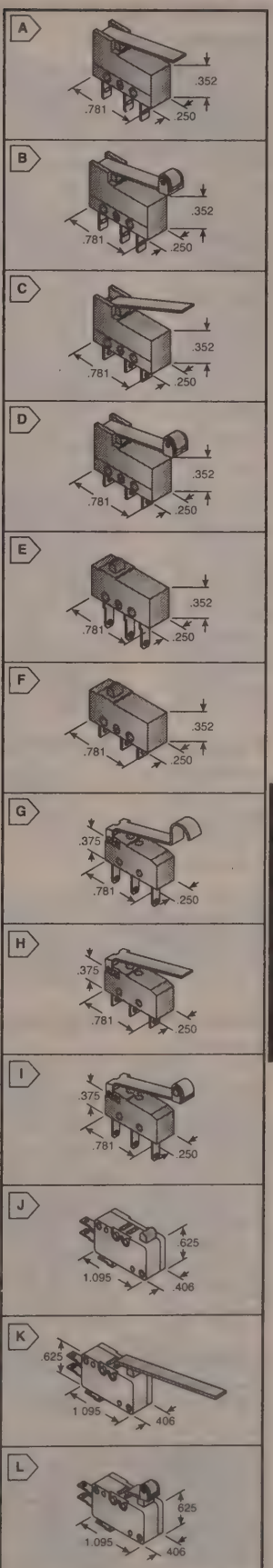
04 SERIES: MINIATURE SNAP ACTION SWITCHES

pecifications:
Package Size (In.) 1.095L x .406W x .625H

Typical Applications:
- Appliances
- Office Equipment
- Vending Machines
- Microwave Ovens

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
1A 125/250 VAC											
0-D41C-R1AA	D41C-R1AA	J	.187 Q.C.	-----	Button	75g	.558-.598	4.20	3.36	2.74	2.52
0-D41C-R1LD	D41C-R1LD	K	.187 Q.C.	1.4	Straight	40g	.555-.645	4.59	3.68	3.00	2.76
, 125/250 VAC											
0-D42L-R1XL	D42L-R1XL	K	.187 Q.C.	2.757	Straight	2g	.425-.775	4.07	3.26	2.65	2.44
, 1/4 HP 125/250 VAC											
0-D43C-R1RA	D43C-R1RA	L	.187 Q.C.	0.81	Roller	170g	.776-.836	3.31	2.65	2.16	1.98
0-D43L-R1ML	D43L-R1ML	K	.187 Q.C.	2.932	Straight	6g	.442-.775	3.20	2.56	2.09	1.92
A 1/2 H.P 125/250 VAC											
0-D44C-R1AA	D44C-R1AA	J	.187 Q.C.	-----	Button	285g	.558-.598	2.31	1.85	1.51	1.39
0-D44C-R1RA	D44C-R1RA	L	.187 Q.C.	0.81	Roller	285g	.776-.836	3.02	2.42	1.97	1.81
0-D44L-R1AA	D44L-R1AA	J	.187 Q.C.	-----	Button	75g	.558-.598	2.52	2.02	1.64	1.51
0-D44L-R1LD	D44L-R1LD	K	.187 Q.C.	1.4	Straight	37g	.555-.645	2.78	2.23	1.81	1.67
0-D44L-R1ML	D44L-R1ML	K	.187 Q.C.	2.932	Straight	10g	.425-.775	2.99	2.39	1.95	1.80
0-D44L-R1RA	D44L-R1RA	L	.187 Q.C.	0.81	Roller	75g	.776-.836	3.36	2.69	2.19	2.02
, 1/2 HP 125/250 VAC											
0-D45C-R1AA	D45C-R1AA	J	.187 Q.C.	-----	Button	400g	.558-.598	2.76	2.21	1.80	1.65
0-D45L-R1AA	D45L-R1AA	J	.187 Q.C.	-----	Button	100g	.558-.598	2.76	2.21	1.80	1.65



E SERIES: MINIATURE SNAP ACTION SWITCHES

Specifications:
- Terminals: .187" Q.C.
- Package Size (In.) 1.093L x .406W x .625H

Typical Applications:
- Appliances
- Office Equipment
- Vending Machines

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
Rating: 0.1A-125 VAC										
540-E21-00A	E21-00A	A	-----	Button	75g	0.578+/-0.020	3.81	3.05	2.48	2.28
540-E21-00K	E21-00K	B	0.81	Roller	75g	0.806+/-0.030	5.70	4.56	3.71	3.42
540-E21-50H	E21-50H	C	1.4	Straight	35g	0.600+/-0.045	5.25	4.20	3.42	3.15
540-E21-50K	E21-50K	B	1.34	Roller	35g	0.806+/-0.045	6.04	4.83	3.94	3.62
540-E21-85HX	E21-85HX	C	2.932	Straight	2g	0.600+/-0.175	5.70	4.56	3.71	3.42
Rating: 3A-125/250 VAC, 1/10 HP-250 VAC										
540-E22-00A	E22-00A	A	-----	Button	75g	0.578+/-0.020	2.84	2.27	1.85	1.70
540-E22-00AX	E22-00AX	A	-----	Button	15g	0.578+/-0.020	3.10	2.48	2.02	1.86
540-E22-00K	E22-00K	B	0.81	Roller	75g	0.806+/-0.030	3.81	3.05	2.48	2.28
540-E22-50H	E22-50H	C	1.4	Straight	35g	0.600+/-0.045	3.23	2.58	2.11	1.94
540-E22-50HX	E22-50HX	C	1.4	Straight	8g	0.600+/-0.045	3.47	2.77	2.26	2.08
540-E22-50KL	E22-50KL	B	1.516	Roller	25g	0.806+/-0.075	3.81	3.05	2.48	2.28
540-E22-55HX	E22-55HX	C	2.757	Straight	4g	0.600+/-0.100	3.47	2.77	2.26	2.08
540-E22-85HX	E22-85HX	C	2.932	Straight	2g	0.600+/-0.175	3.62	2.90	2.36	2.17
Rating: 5A 1/4 H.P., 125/250 VAC										
540-E23-00A	E23-00A	A	-----	Button	170g	0.578+/-0.020	2.63	2.10	1.71	1.58
540-E23-00AX	E23-00AX	A	-----	Button	45g	0.578+/-0.020	2.84	2.27	1.85	1.70
540-E23-00K	E23-00K	B	0.81	Roller	170g	0.806+/-0.030	3.89	3.11	2.53	2.33
540-E23-50K	E23-50K	B	1.34	Roller	86g	0.806+/-0.045	3.89	3.11	2.53	2.33
540-E23-55HX	E23-55HX	C	2.757	Straight	10g	0.600+/-0.100	3.57	2.86	2.33	2.14
540-E23-85HX	E23-85HX	C	2.932	Straight	6g	0.600+/-0.175	3.57	2.86	2.33	2.14
Rating: 10A 1/2 H.P., 125/250 VAC										
540-E33-50H	E33-50H	C	1.4	Straight	144g	0.600+/-0.045	2.89	2.31	1.88	1.73
540-E33-50K	E33-50K	B	1.34	Roller	144g	0.806+/-0.045	3.36	2.69	2.19	2.02
540-E33-75HX	E33-75HX	C	1.58	Straight	22g	0.600+/-0.075	3.10	2.48	2.02	1.86
540-E33-85HX	E33-85HX	C	2.932	Straight	10g	0.600+/-0.175	3.54	2.84	2.31	2.13
Rating: 15A 1/2 H.P., 125/250 VAC										
540-E34-00A	E34-00A	A	-----	Button	400g	0.578+/-0.020	2.89	2.31	1.88	1.73
540-E34-00K	E34-00K	B	0.81	Roller	400g	0.806+/-0.030	3.73	2.98	2.43	2.24
540-E34-50H	E34-50H	C	1.4	Straight	200g	0.600+/-0.045	3.20	2.56	2.09	1.92
540-E34-50K	E34-50K	B	1.34	Roller	200g	0.806+/-0.045	3.68	2.94	2.40	2.21
540-E34-55HX	E34-55HX	C	2.757	Straight	22g	0.600+/-0.100	3.26	2.60	2.12	1.95
540-E34-85HX	E34-85HX	C	2.932	Straight	13g	0.600+/-0.175	3.41	2.73	2.22	2.05

K SERIES MINIATURE SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) 1.140L x .406W x .625H

Typical Applications:
- Appliances
- Industrial Controls
- Office Equipment

25A 250 VAC; 1 HP, 125 VAC; 2 HP, 250 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
540-KWSA-VACA	KWSA-VACA	D	.250 x .032 Q.C.	Button	225g	.563/.593	3.20	2.56	2.09	1.92

DC SERIES: SEALED SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) .783L x .256W x .365H

Typical Applications:
- Automotive
- Lawn and Garden
- Power Tools

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
UL 0.1A, 125 VAC ENEC 0.1A, 250 VAC											
540-DC3C-A1AA	DC3C-A1AA	E	.110 Short Solder	-----	Button	200g	.331+/-.012	5.54	4.43	3.61	3.32
540-DC3C-A1LB	DC3C-A1LB	F	.110 Short Solder	0.189	Straight	80g	.331+/-.012	6.83	5.46	4.45	4.10
UL 5.0A, 125-250 VAC, ENEC 6 A, 250 VAC											
540-DC1C-A1AA	DC1C-A1AA	E	.110 Short Solder	-----	Button	200g	.331+/-.012	3.78	3.02	2.46	2.27
540-DC1C-A1LB	DC1C-A1LB	F	.110 Short Solder	0.189	Straight	200g	.331+/-.012	4.20	3.36	2.74	2.52
540-DC1C-A1RB	DC1C-A1RB	G	.110 Short Solder	0.098	Roller	200g	.331+/-.012	8.09	6.47	5.27	4.85
10.1A, 125-250 VAC, ENEC 0.1A, 250 VAC											
540-DC2C-A1AA	DC2C-A1AA	E	.110 Short Solder	-----	Button	340g	.331+/-.012	4.17	3.34	2.72	2.50
540-DC2C-A1LB	DC2C-A1LB	F	.110 Short Solder	0.189	Straight	150g	.331+/-.012	4.94	3.95	3.22	2.96

E70 SERIES: SEALED SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) .915L x .385W x .880H

Typical Applications:
- Automotive
- Lawn and Garden

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
10.1 amp, 1/4 H.P., 125/250 VAC											
540-E72-40AT	E72-40AT	H	10" 16 awg Wire Leads	-----	Button	300g	.310+/-.35	10.11	8.09	6.59	6.06
540-E72-40HT	E72-40HT	I	10" 16 awg Wire Leads	0.858	Straight	67g	.440+/-.75	10.76	8.61	7.02	6.46
540-E72-40KT	E72-40KT	J	10" 16 awg Wire Leads	0.65	Roller	75g	.762+/-.125	12.21	9.77	7.96	7.32

DIMENSIONS (IN

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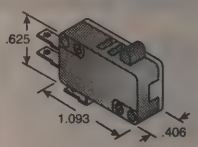

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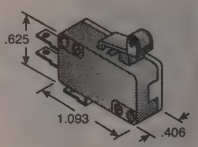

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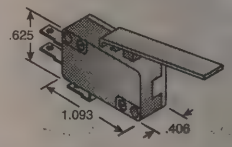

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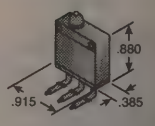

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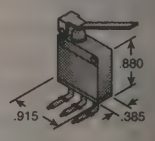

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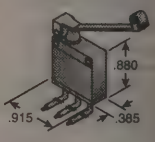


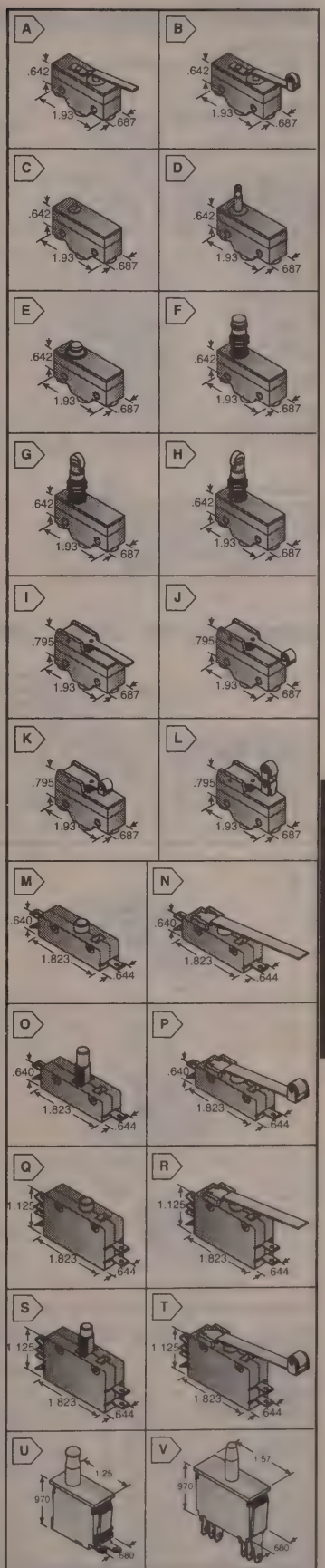
Cherry Snap Action Switches

GP SERIES: HEAVY DUTY SNAP ACTION SWITCHES

Features:
- Ultra-small travel differential
- Mechanical life tested to 1 million cycles
- Current switching to 15 amps
- Wide variety of actuators
- Screw or solder terminals standard
- Low operate forces available

Two versions are available, Replace (_) with: 1 U.S. version mounting holes, 0.140 or 0 Metric version mounting holes, 4.4

DIMENSIONS (IN.)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force (oz.)	Operating Position (In.)	Price Each 1	50	100	500
15A 125VAC / 250VAC											
540-GPTCLR_1	GPTCLR_1	A	screw	1.953	Lever	5.3 max.	.653/.717	9.00	6.00	5.00	4.29
540-GPTCRR_1	GPTCRR_1	B	screw	1.811	Lever/Roller	5.3 max.	1.094/1.158	9.23	6.15	5.13	4.40
540-GPTCNA_1	GPTCNA_1	C	screw	-----	Button	5.3 max.	.160/.642	6.63	4.42	3.68	3.16
540-GPTCND_1	GPTCND_1	D	screw	-----	Tall overtravel button	12.3	1.09/1.13	9.36	6.24	5.20	4.46
540-GPSCNC_1	GPSCNC_1	E	solder	-----	Short overtravel button	12.3	.827/.867	8.55	5.70	4.75	4.08
540-GPTCNC_1	GPTCNC_1	E	screw	-----	Short overtravel button	12.3	.827/.867	8.55	5.70	4.75	4.08
540-GPTCNH_1	GPTCNH_1	F	screw	-----	Panel mount plunger	12.3	.826/.890	13.28	8.85	7.38	6.33
540-GPTCRH_1	GPTCRH_1	G	screw	-----	Panel mount roller plunger	12.3	1.240/1.320	19.53	13.02	10.85	9.31
540-GPSCRH_2	GPSCRH_2	H	solder	-----	Panel mount roller plunger	12.3	1.240/1.320	19.53	13.02	10.85	9.31
540-GPTCRH_2	GPTCRH_2	H	screw	-----	Panel mount roller plunger	12.3	1.240/1.320	19.53	13.02	10.85	9.31
540-GPTCLS_1	GPTCLS_1	I	screw	2.5	Lever	2.4	.716/.780	8.10	5.40	4.50	3.86
540-GPTCLS_2	GPTCLS_2	I	screw	1.65	Lever	3.1	.716/.780	7.88	5.25	4.38	3.75
540-GPTCRS_1	GPTCRS_1	J	screw	1.91	Lever/Roller	3.5	1.157/1.221	10.13	6.75	5.63	4.83
540-GPSCRM_1	GPSCRM_1	K	solder	1.05	Lever/Roller	5.6	1.173/1.205	10.13	6.75	5.63	4.83
540-GPTCRM_1	GPTCRM_1	K	screw	1.05	Lever/Roller	5.6	1.173/1.205	10.13	6.75	5.63	4.83
540-GPTCRG_1	GPTCRG_1	L	screw	1.05	One-way roller	5.9	1.59/1.658	12.65	8.44	7.03	6.03

E SERIES: GENERAL PURPOSE SINGLE POLE SWITCHES

Specifications:
- Terminals: .250" Q.C.
- Package Size (In.) 1.823L x .644W x .640H

Typical Applications:
- Appliances
- Industrial Controls

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
Rating: 15A-125/250 VAC, 3/4 HP-125 VAC, 1-1/2 HP-250 VAC										
540-E13-00E	E13-00E	M	-----	Button	425g	0.285+/-0.020	2.69	2.15	1.76	1.62
540-E13-00H	E13-00H	N	1.5	Straight	100g	0.312+/-0.062	3.69	2.95	2.40	2.21
540-E13-00J	E13-00J	O	-----	3/8 x 32 thread, plastic button	425g	0.670+/-0.030	3.01	2.42	1.97	1.81
540-E13-00K	E13-00K	P	1.391	Roller	100g	0.718+/-0.062	4.45	3.56	2.90	2.67
540-E13-00M	E13-00M	O	-----	3/8 x 32 tread, metal button	425g	0.812+/-0.030	3.79	3.03	2.48	2.28
540-E13-50H	E13-50H	N	1.75	Straight	65g	0.281+/-0.062	3.69	2.95	2.40	2.21
Rating: 25A-125/250 VAC, 1HP-125 VAC, 2 HP-250 VAC										
540-E14-00H	E14-00H	N	0.821	Straight	285g	0.468+/-0.062	4.58	3.66	2.98	2.75
540-E14-00M	E14-00M	O	-----	3/8 x 32 thread, metal button	850g	0.775+/-0.030	4.52	3.61	2.95	2.72
540-E14-50H	E14-50H	N	1.071	Straight	170g	0.437+/-0.062	4.49	3.59	2.93	2.70
540-0012-0023	0012-0023	---	---	Brass Hex Nut	---	---	.15	.10	.09	.08

E SERIES: GENERAL PURPOSE DOUBLE POLE SWITCHES

Specifications:
- Terminals: .250" Q.C.
- Package Size (In.) 1.823L x .644W x 1.125H

Typical Applications:
- Appliances
- Industrial Controls

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
Rating: 15A-125/250 VAC, 3/4 HP-125 VAC										
540-E19-00A	E19-00A	Q	-----	Button	850G	0.285+/-0.030	5.66	4.53	3.69	3.38
540-E19-00H	E19-00H	R	1.5	Straight	205g	0.312+/-0.062	6.73	5.38	4.39	4.04
540-E19-00J	E19-00J	S	-----	3/8 x 32 thread, plastic button	850g	0.670+/-0.030	6.06	4.85	3.95	3.64
540-E19-00K	E19-00K	T	1.39	Roller	212g	0.718+/-0.062	7.73	6.18	5.04	4.63
540-E19-00M	E19-00M	S	-----	3/8 x 32 thread, metal button	850g	0.812+/-0.030	6.41	5.13	4.18	3.85
540-E19-50H	E19-50H	R	1.75	Straight	130g	0.281+/-0.062	6.19	4.95	4.04	3.71
540-E19-50K	E19-50K	T	1.645	Roller	150g	0.687+/-0.062	7.81	6.25	5.09	4.69
Rating: 20A -125/250VAC, 1HP-125VAC										
540-E20-00A	E20-00A	Q	-----	Button	1280g	0.248+/-0.030	8.48	6.79	5.53	5.09
540-E20-00K	E20-00K	T	0.652	Roller	425g	0.860+/-0.062	9.97	7.97	6.50	5.98
540-E20-00M	E20-00M	S	-----	3/8 x 32 thread, metal button	1280g	0.774+/-0.030	9.43	7.54	6.15	5.66
540-E20-50K	E20-50K	T	0.902	Roller	312g	0.828+/-0.062	10.50	8.40	6.85	6.31
540-0012-0023	0012-0023	---	---	Brass Hex Nut	---	---	.15	.10	.09	.08

I SERIES: PANEL MOUNT SNAP ACTION SWITCHES

pecifications:
Package Size (In.) 1.250L x .680W x .970H

Typical Applications:
- HVAC
- Office Equipment

Single Pole

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
.1 amp 125 VAC										
40-E68-00A	E68-00A	U	.187 Q.C.	Button	425g	0.720+/-0.820	5.08	4.07	3.31	3.04
40-E68-30A	E68-30A	U	.187 Q.C.	Button	475g	0.610+/-0.710	5.36	4.29	3.50	3.21
40-E68-40A	E68-40A	U	.187 Q.C.	Button	425g	0.300+/-0.400	5.50	4.39	3.58	3.30
0 amp 125/250 VAC, 1/3 H.P., 125/250 VAC										
40-E69-00A	E69-00A	U	.187 Q.C.	Button	425g	0.610+/-0.710	3.57	2.86	2.32	2.14
40-E69-30A	E69-30A	U	.187 Q.C.	Button	475g	0.610+/-0.710	4.26	3.41	2.77	2.55
40-E69-40A	E69-40A	U	.187 Q.C.	Button	425g	0.300+/-0.400	3.57	2.86	2.32	2.14

ouble Pole • Package Size (In.) 1.570L x .680W x .970H

1 amp 125 VAC										
0-E78-00A	E78-00A	V	.187 Q.C.	Button	680g	0.720+/-0.820	10.16	8.13	6.62	6.10
1 amp 125/250 VAC, 1/3 H.P., 125/250 VAC										
0-E79-00A	E79-00A	V	.187 Q.C.	Button	680g	0.720+/-0.821	6.18	4.95	4.03	3.70
0-E79-30A	E79-30A	V	.187 Q.C.	Button	757g	0.610+/-0.710	8.24	6.59	5.37	4.95
0-E79-40A	E79-40A	V	.187 Q.C.	Button	680g	0.300+/-0.400	6.18	4.95	4.03	3.70
0-F79-30A	F79-30A	V	.187 x .032 Q.C.	Button	757g	0.610+/-0.710	6.46	5.17	4.21	3.87

Snap Action, Hook and Leaf Switches

CHERRY E SERIES: MINIATURE LOW TORQUE SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) 1.218L x .580W x .687H

Features:
- Standard Force: 4.0 inch gms. max.
- Overtravel: 15ƒ min.
- Movement Differential : 3ƒ min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Style	Price Each 1	50	100	500
6A 250 VAC								
540-E51-00B	E51-00B	A	.205 Std Parallel Q.C.	Clockwise Wireform	8.66	6.93	5.65	5.20
540-E51-00E	E51-00E	A	.205 Std Parallel Q.C.	Counter-clockwise Wireform	8.66	6.93	5.65	5.20
540-E51-00R	E51-00R	A	.187 Std. Parallel Q.C.	Clockwise Wireform	8.66	6.93	5.65	5.20
540-E51-00T	E51-00T	A	.187 Std. Parallel Q.C.	Counter-clockwise Wireform	8.66	6.93	5.65	5.20
540-E51-50B	E51-50B	B	.205 Vertical Twist Q.C.	Clockwise Wireform	8.66	6.93	5.65	5.20
540-E51-50E	E51-50E	B	.205 Vertical Twist Q.C.	Counter-clockwise Wireform	8.66	6.93	5.65	5.20
540-E51-50R	E51-50R	B	.187 Vertical Twist Q.C.	Clockwise Wireform	8.66	6.93	5.65	5.20
540-E51-50T	E51-50T	B	.187 Vertical Twist Q.C.	Counter-clockwise Wireform	8.66	6.93	5.65	5.20
540-E51-60B	E51-60B	C	.205 Vertical Straight	Clockwise Wireform	7.09	5.67	4.62	4.25
540-E51-60E	E51-60E	C	.205 Vertical Straight	Counter-clockwise Wireform	8.40	6.72	5.48	5.04
0.1A 125 VAC								
540-E53-00R	E53-00R	A	.187 Std. Parallel Q.C.	Clockwise Wireform	11.34	9.07	7.39	6.80

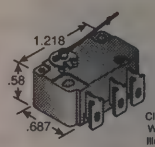
Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Description	Price Each 1	50	100	500
540-0014-0645	0014-0645	Wireform Actuator	.16	.12	.10	.09

DIMENSIONS (IN

A



Clockwise Wireform Illustrated

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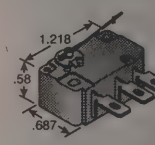

Clockwise Wireform Illustrated

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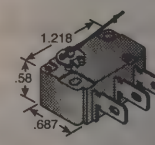

Clockwise Wireform Illustrated

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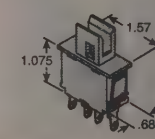


CHERRY F80 SERIES: LINE INTERRUPT SWITCHES

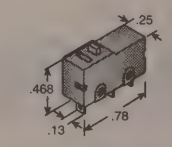
Specifications:
- Package Size (In.) 1.570L x .685W x 1.075H

Typical Applications:
- Office Equipment
- Vending Machines

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each 1	50	100	500
10A, 125/250 VAC, 3/4 H.P., 125 VAC, 1-1/2 H.P., 250 VAC, 6A @ 30 VDC											
540-F81A-B120	F81A-B120	D	.250 Q.C.	-----	Button	866g	.315+/-.393	10.37	8.30	6.76	6.22

A



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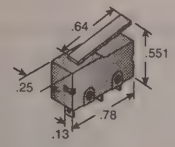

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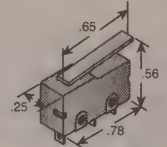

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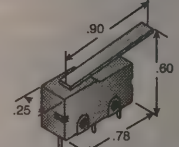

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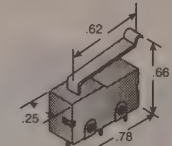

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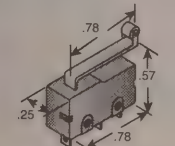

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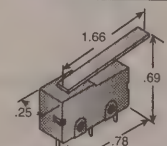

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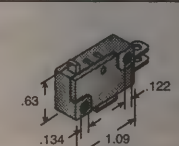

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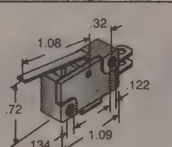

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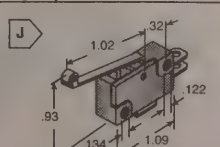

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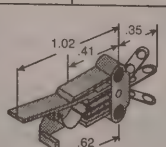

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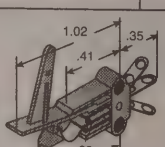

M

Mountain Switch MINIATURE SNAP SWITCHES (SPDT)

DIMENSIONS (IN.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp Rating @ 125 VAC	@ 250 VAC	Oper. Force (GMS.)	Travel (In.)	Price Each 1	10	100	500
101-1200	A	5A	5A	115	.030	1.24	1.04	.94	.85
101-1201	B	5A	3A	50	.05	1.24	1.04	.94	.85
101-1202	C	5A	5A	25	.087	1.24	1.04	.94	.85
101-1203	D	5A	5A	18	.125	1.24	1.04	.94	.85
101-1204	E	5A	5A	28	.86	1.24	1.04	.94	.85
101-1205	F	5A	5A	30	.063	1.46	1.21	1.11	1.01
101-1206	G	5A	5A	10	.224	1.24	1.04	.94	.85
101-1001	H	10A	6A	170	.05	1.55	1.29	1.16	1.05
101-1002	I	10A	6A	170	.12	1.86	1.55	1.33	1.21
101-1003	J	10A	6A	140	.12	1.90	1.58	1.44	1.32

Mountain Switch LEAF AND HOOK SWITCHES

() = Momentary

For quantities of 1000 and up, call for quot

MOUSER STOCK NO.	Fig.	Description	Type	Circuit	Price Each 1	10	100	500
101-1302	K	Leaf	SPST	On-(Off)	.31	.27	.26	.24
101-1306	L	Leaf	SPST	On-(Off)	.31	.27	.26	.24
101-1401	M	Hook	DPDT	- - -	.86	.77	.73	.68

MOUNTAIN SWITCH Snap Switches

Mountain Switch

MOUNTAIN SWITCH SNS13 SUPER-MINIATURE SERIES SNAP SWITCHES

Specifications:
Mechanical Life: 120 operations/min
Electrical Life: 10~30 operations/min
• Contacts: Silver
• Application: Appliances, Toys
• Terminal Type: PCB

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Rating	Actuator Type	Operating Force (g)	Price Each			
						1	50	100	500
01-13-03-150XX-P01	SNS13-03-150XX-P01	A	3A/125VAC	Button	150	.86	.74	.69	.63
01-13-03-050ST-P01	SNS13-03-050ST-P01	A	3A/125VAC	Straight	50	.97	.89	.84	.75
01-13-03-070ST-P01	SNS13-03-070ST-P01	A	3A/125VAC	Straight	70	.98	.90	.85	.76
01-13-03-045SR-P01	SNS13-03-045SR-P01	A	3A/125VAC	Sim. Roller	45	.99	.91	.86	.77

MOUNTAIN SWITCH SNS61 SUB-MINIATURE SERIES SNAP SWITCHES

Specifications:
Mechanical Life: 120 operations/min
Electrical Life: 10~30 operations/min
Contacts: Silver
• Application: Tools & Equipment, Appliances
• Terminal Type: Solderlug-suffix-S01
• Terminal Type: 110QC-suffix-Q11

For quantities of 1000 and up, call for quote.

01-61-05-104XX-S01	SNS61-05-104XX-S01	B	5A/125VAC	Button	104	1.09	.91	.85	.79
01-61-05-104XX-Q11	SNS61-05-104XX-Q11	B	5A/125VAC	Button	104	1.09	.91	.85	.79
01-61-05-025ST-S01	SNS61-05-025ST-S01	B	5A/125VAC	Straight	25	1.09	.99	.91	.81
01-61-05-033ST-S01	SNS61-05-033ST-S01	B	5A/125VAC	Straight	33	1.09	.99	.91	.81
01-61-05-033ST-Q11	SNS61-05-033ST-Q11	B	5A/125VAC	Straight	33	1.09	.99	.91	.81
01-61-05-025RR-S01	SNS61-05-025RR-S01	B	5A/125VAC	Roller	25	1.29	1.16	1.07	.98
01-61-05-025RR-Q11	SNS61-05-025RR-Q11	B	5A/125VAC	Roller	25	1.29	1.16	1.07	.98
01-61-10-249XX-S01	SNS61-10-249XX-S01	B	10.1A/125VAC	Button	249	1.44	1.31	1.20	1.07
01-61-10-249XX-Q11	SNS61-10-249XX-Q11	B	10.1A/125VAC	Button	249	1.44	1.31	1.20	1.07
01-61-10-060ST-S01	SNS61-10-060ST-S01	B	10.1A/125VAC	Straight	60	1.44	1.31	1.20	1.07
01-61-10-055ST-S01	SNS61-10-055ST-S01	B	10.1A/125VAC	Straight	55	1.44	1.31	1.20	1.07
01-61-10-060RR-S01	SNS61-10-060RR-S01	B	10.1A/125VAC	Roller	60	1.69	1.52	1.41	1.29
01-61-10-060RR-Q11	SNS61-10-060RR-Q11	B	10.1A/125VAC	Roller	60	1.69	1.52	1.41	1.29

MOUNTAIN SWITCH SNS73 SERIES MINIATURE SNAP SWITCHES

Specifications:
Mechanical Life: 300 operations/min
Electrical Life: 10~30 operations/min
• Contacts: Silver
• Contact Distance < 3mm
• Terminal Type: .187 QC

For quantities of 1000 and up, call for quote.

01-73-10-150XX-Q21	SNS73-10-150XX-Q21	C	10.1A/125VAC	Button	150	1.49	1.29	1.16	1.09
01-73-10-075ST-Q21	SNS73-10-075ST-Q21	C	10.1A/125VAC	Straight	75	1.61	1.48	1.38	1.25
01-73-10-080SR-Q21	SNS73-10-080SR-Q21	C	10.1A/125VAC	Sim. Roller	80	1.61	1.48	1.38	1.25
01-73-10-080RR-Q21	SNS73-10-080RR-Q21	C	10.1A/125VAC	Roller	80	1.93	1.78	1.66	1.50
01-73-16-373XX-Q21	SNS73-16-373XX-Q21	C	16A/125VAC	Button	373	1.49	1.29	1.16	1.09
01-73-16-165ST-Q21	SNS73-16-165ST-Q21	C	16A/125VAC	Straight	165	1.61	1.48	1.38	1.25
01-73-16-190SR-Q21	SNS73-16-190SR-Q21	C	16A/125VAC	Sim. Roller	190	1.61	1.48	1.38	1.25
01-73-16-185RR-Q21	SNS73-16-185RR-Q21	C	16A/125VAC	Roller	185	1.93	1.78	1.66	1.50

MOUNTAIN SWITCH SNS21 SERIES MINIATURE SNAP SWITCHES

Specifications:
Mechanical Life: 300 operations/min
Electrical Life: 10~30 operations/min
• Contacts: Silver
• Terminal Type: .187 QC

For quantities of 1000 and up, call for quote.

01-21-P1-075XX-Q21	SNS21-P1-075XX-Q21	C	0.1A/125VAC	Button	75	1.66	1.51	1.31	1.19
01-21-P1-013ST-Q21	SNS21-P1-013ST-Q21	C	0.1A/125VAC	Straight	13	1.69	1.54	1.34	1.22
01-21-P1-037ST-Q21	SNS21-P1-037ST-Q21	C	0.1A/125VAC	Straight	37	1.69	1.54	1.34	1.22
01-21-P1-030RR-Q21	SNS21-P1-030RR-Q21	C	0.1A/125VAC	Roller	30	1.85	1.68	1.46	1.33
01-21-P1-080RR-Q21	SNS21-P1-080RR-Q21	C	0.1A/125VAC	Roller	80	1.85	1.68	1.46	1.33
01-21-03-075XX-Q21	SNS21-03-075XX-Q21	C	3A/125VAC	Button	75	1.66	1.51	1.31	1.19
01-21-03-013ST-Q21	SNS21-03-013ST-Q21	C	3A/125VAC	Straight	13	1.69	1.54	1.34	1.22
01-21-03-037ST-Q21	SNS21-03-037ST-Q21	C	3A/125VAC	Straight	37	1.69	1.54	1.34	1.22
01-21-03-030RR-Q21	SNS21-03-030RR-Q21	C	3A/125VAC	Roller	30	1.85	1.68	1.46	1.33
01-21-03-080RR-Q21	SNS21-03-080RR-Q21	C	3A/125VAC	Roller	80	1.85	1.68	1.46	1.33
01-21-06-170XX-Q21	SNS21-06-170XX-Q21	C	6A/125VAC	Button	170	1.66	1.51	1.31	1.19
01-21-06-013ST-Q21	SNS21-06-013ST-Q21	C	6A/125VAC	Straight	13	1.69	1.54	1.34	1.22
01-21-06-100RR-Q21	SNS21-06-100RR-Q21	C	6A/125VAC	Roller	100	1.85	1.68	1.46	1.33
01-21-06-170RR-Q21	SNS21-06-170RR-Q21	C	6A/125VAC	Roller	170	1.85	1.68	1.46	1.33
01-21-10-230XX-Q21	SNS21-10-230XX-Q21	C	10A/125VAC	Button	230	1.66	1.39	1.31	1.19
01-21-10-025ST-Q21	SNS21-10-025ST-Q21	C	10A/125VAC	Straight	25	1.69	1.54	1.34	1.22
01-21-10-037ST-Q21	SNS21-10-037ST-Q21	C	10A/125VAC	Straight	37	1.69	1.54	1.34	1.22
01-21-10-125RR-Q21	SNS21-10-125RR-Q21	C	10A/125VAC	Roller	125	1.85	1.68	1.46	1.33
01-21-15-330XX-Q21	SNS21-15-330XX-Q21	C	15A/125VAC	Button	330	1.66	1.40	1.31	1.19
01-21-15-030ST-Q21	SNS21-15-030ST-Q21	C	15A/125VAC	Straight	30	1.69	1.54	1.34	1.22
01-21-15-180ST-Q21	SNS21-15-180ST-Q21	C	15A/125VAC	Straight	180	1.69	1.54	1.34	1.22
01-21-15-180RR-Q21	SNS21-15-180RR-Q21	C	15A/125VAC	Roller	180	1.85	1.68	1.46	1.33
01-21-15-330RR-Q21	SNS21-15-330RR-Q21	C	15A/125VAC	Roller	330	1.85	1.68	1.46	1.33

MOUNTAIN SWITCH SNS51 LOW TORQUE SNAP SWITCHES

Specifications:
Mechanical Life: 240 operations/min
Electrical Life: 20 operations/min
Clockwise wireform
• Contacts: Silver
• Application: Vending machines, Video & Pinball Games
• Terminal Type: Solder Lug

For quantities of 1000 and up, call for quote.

01-51-05-7P6ST-S01	SNS51-05-7P6ST-S01	D	5A/125VAC	Straight	7.6	4.12	3.43	3.09	2.75
01-51-05-7P6B1-S01	SNS51-05-7P6B1-S01	D	5A/125VAC	Bent	7.6	4.12	3.43	3.09	2.75

MOUNTAIN SWITCH SNS72 SERIES SEALED SNAP SWITCHES

Specifications:
Mechanical Life: 120 operations/min
Electrical Life: 10~30 operations/min
• Application: Automotive, Appliances
• Terminal Type: Solder Lug

For quantities of 1000 and up, call for quote.

01-72-06-203XX-S01	SNS72-06-203XX-S01	E	6A/125VAC	Button	203	2.93	2.64	2.05	1.76
01-72-06-082ST-S01	SNS72-06-082ST-S01	E	6A/125VAC	Straight	82	3.14	2.91	2.36	2.07
01-72-06-072RR-S01	SNS72-06-072RR-S01	E	6A/125VAC	Roller	72	3.59	3.34	2.81	2.49

MOUNTAIN SWITCH SNS71 SERIES SEALED SNAP SWITCHES (IP-67)

Specifications:
Lead Length: 500mm (min)
• UL1007 20AWG Wire

For quantities of 1000 and up, call for quote.

01-71-06-300XX-W01	SNS71-06-300XX-W01	F	6A/125VAC	Button	300	4.99	4.05	3.30	3.03
01-71-06-070ST-W01	SNS71-06-070ST-W01	F	6A/125VAC	Straight	70	5.38	4.31	3.51	3.23
01-71-06-100RR-W01	SNS71-06-100RR-W01	F	6A/125VAC	Roller	100	5.99	4.89	3.98	3.66

DIMENSIONS (IN.)

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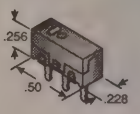

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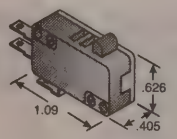

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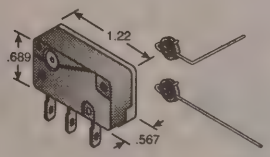

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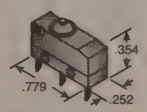

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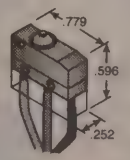
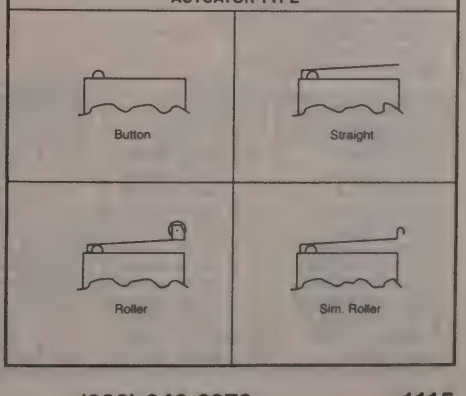


ACTUATOR TYPE



MICRO SWITCH a Honeywell Division SX SUBMINIATURE BASIC PRECISION SWITCHES

SX subminiature basic switches are small size precision snap-action switches from MICRO SWITCH. These switches are ideal where savings in space and weight are important.

Features:

- Long-life beryllium-copper spring
- Wear-resistant phenolic base and cover
- Power load switching capability up to 7A
- Silver contacts
- Temperature tolerance: -54°C to +121°C
- UL recognized and CSA certified
- Termination: wire wrap

E12252 LR41372

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Ratings	Length of Lever (In.)	Oper. Force (oz.)	Operating Position (In.)	Price Each 1	10	25
6115-11SX21-T	A	5A @ 250VAC	- - -	2.5-5	.320±.015	10.44	9.40	8.35
6115-1SX1-T	A	7A @ 250VAC	- - -	5	.320±.015	11.98	10.78	9.58
6115-1SX48-T	A	7A @ 250VAC	- - -	5	.320±.015	12.88	11.59	10.30
6115-311SX1-T	B	5A @ 250VAC	.135	1.76	.332±.045	12.96	11.66	10.37
6115-311SX2-T	B	5A @ 250VAC	.505	1.1	.325±.075	12.46	11.21	9.97
6115-311SX3-T	B	5A @ 250VAC	.965	.71	.305±.115	12.82	11.54	10.26

MICRO SWITCH a Honeywell Division SM SUBMINIATURE BASIC PRECISION SWITCHES

SM subminiature basic switches are slightly larger than the SX basic switches. These switches combine small size and light weight with ample electrical capacity, precision operation, and long life.

Features:

- Long-life beryllium-copper spring
- Wear-resistant phenolic base and cover
- Power load switching capability up to 11A
- Silver contacts
- Temperature tolerance: -54°C to +85°C
- UL recognized and CSA certified
- Termination: wire wrap, except where
- * noted with an asterisk

E12252 LR41372

Termination: solder

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Ratings	Length of Lever (In.)	Oper. Force (oz.)	Operating Position (In.)	Price Each 1	10	25
6115-111SM1-T	C	5A @ 250VAC	- - -	7	.350±.030	7.70	6.93	6.16
6115-111SM2-T	D	5A @ 250VAC	- - -	7	.562±.030	8.62	7.76	6.90
*6115-11SM1	E	5A @ 250VAC	- - -	3-5	.330±.015	7.92	7.13	6.34
6115-11SM1-T	E	5A @ 250VAC	- - -	3-5	.330±.015	7.70	6.93	6.16
6115-11SM3-T	E	5A @ 250VAC	- - -	3-5	.330±.015	5.26	4.73	4.21
*6115-1SM1	E	5A @ 250VAC	- - -	3-5	.330±.015	6.78	6.10	5.42
*6115-411SM1	E	5A @ 250VAC	- - -	3-7.5	.330±.015	12.60	11.34	10.08
6115-41SM1-T	E	11A @ 250VAC	- - -	3-5	.330±.015	6.30	5.67	5.04
6115-311SM6-T	F	5A @ 250VAC	.251	1.4	.560±.060	6.86	6.17	5.49
6115-311SM23-T	G	1A @ 125VAC	.285	1.4	.340±.060	14.84	13.36	11.87
6115-311SM702-T	G	4A @ 250VAC	.565	.4	.335±.080	6.78	6.10	5.42
6115-311SM703-T	G	4A @ 250VAC	1.765	.2	.280±.170	6.38	5.74	5.10
6115-311SM1-T	G	5A @ 250VAC	.285	1.4	.340±.060	6.24	5.62	4.99
6115-311SM2-T	G	5A @ 250VAC	.565	1.1	.335±.080	6.02	5.42	4.82
6115-311SM3-T	G	5A @ 250VAC	1.765	.53	.280±.170	6.02	5.42	4.82

MICRO SWITCH a Honeywell Division BZ/BA BASIC PRECISION SWITCHES

BZ/BA standard basic switches are precision snap-action mechanisms enclosed in accurately molded plastic cases. These switches are carefully manufactured and thoroughly inspected. They are industry known for their compactness, light weight, accurate repeatability, and long life.

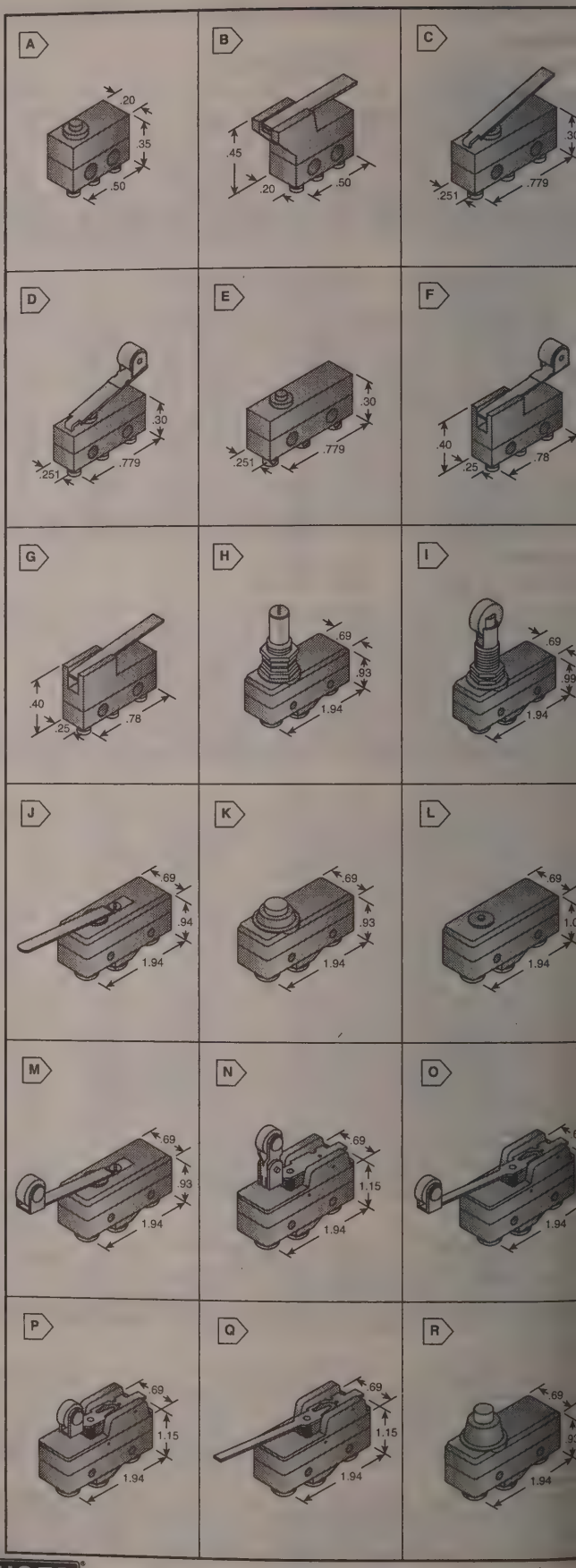
Features:

- Long-life, one-piece beryllium-copper spring
- High grade phenolic cover and case
- Power load switching capability up to 20A
- Motor handling capacity to 2 horsepower @ 250VAC
- UL recognized and CSA certified
- Termination: bottom facing 6-32 screw

E12252

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Ratings	Oper. Force (oz.)	Operating Position (In.)	Price Each 1	10	25
6115-BZ-2RQ1-A2	H	15A @ 480VAC	9-13	.859±.030	24.58	22.12	19.66
6115-BZ-2RQ18-A2	I	15A @ 480VAC	9-13	1.312±.045	42.10	37.89	33.68
6115-BZ-2RL-A2	J	15A @ 480VAC	5	.668±.030	16.36	14.72	13.09
6115-BZ-2RD-A2	K	15A @ 480VAC	9-13	.835±.020	15.14	13.63	12.11
6115-BZ-2R-A2	L	15A @ 480VAC	9-13	.625±.015	11.74	10.57	9.39
6115-BZ-2RL2-A2	M	15A @ 480VAC	5	1.125±.030	16.78	15.10	13.42
6115-BZ-2RW826-A2	N	15A @ 480VAC	6	1.625±.015	22.68	20.41	18.14
6115-BZ-2RW82-A2	O	15A @ 480VAC	3.5	1.188±.030	18.14	16.33	14.51
6115-BZ-2RW822-A2	P	15A @ 480VAC	6	1.188±.015	18.14	16.33	14.51
6115-BZ-2RW863-A2	Q	15A @ 480VAC	1	.750±.060	16.02	14.42	12.82
6115-BZ-2RW80-A2	Q	15A @ 480VAC	2.5	.750±.030	14.54	13.09	11.63
6115-BA-2RB-A2	R	20A @ 480VAC	14-22	1.03±.020	15.48	13.93	12.38



OMRON Basic Snap Action Switches

OMRON ELECTRONIC COMPONENTS

J SERIES: ULTRA SUBMINIATURE BASIC SWITCHES

Specifications:
Contact form: SPDT
Contact material: Gold-plated silver
Mounting: Use two M2.3 screws with plain washers or spring washers.

Features:
- Allows large-capacity switching in small package
- Particularly suitable as control switches where there are restrictions on space and weight

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force	Price Each 1	25	50	100
653-J-7	J-7	A	Pin plunger	7 A	140g	6.45	6.09	5.57	4.70
653-J-7-V	J-7-V	B	Short hinge lever	7 A	50g	9.82	9.28	8.49	7.16
653-J-7-V3	J-7-V3	C	Hinge lever	7 A	30g	9.82	9.28	8.49	7.16
653-J-7-V4	J-7-V4	D	Long hinge lever	7 A	20g	9.82	9.28	8.49	7.16
653-J-7-V22	J-7-V22	E	Short hinge roller lever	7 A	55g	11.37	10.75	9.82	8.29
653-J-7-V2	J-7-V2	F	Hinge roller lever	7 A	33g	11.37	10.75	9.82	8.29

D2F SERIES: PC MOUNT SUBMINIATURE BASIC SWITCHES

Specifications:
Contact form: SPDT
Terminal type: Straight PCB

Features:
- Flux penetration prevented by using an insert terminal and allowing a height difference at the case bottom

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force	Price Each 1	25	50	100
653-D2F	D2F	G	Pin plunger	3A	150g	.95	.88	.83	.72
653-D2F-01	D2F-01	G	Pin plunger	100mA	150g	.95	.88	.83	.72
653-D2F-01F	D2F-01F	G	Pin plunger	100mA	75g	.95	.88	.83	.72
653-D2F-01L	D2F-01L	H	Hinge lever	100mA	80g	1.06	.98	.93	.80
653-D2F-FL	D2F-FL	H	Hinge lever	3A	25g	1.06	.98	.93	.80
653-D2F-L	D2F-L	H	Hinge lever	3A	80g	1.06	.98	.93	.80

D3M SERIES: SUBMINIATURE BASIC SWITCHES

Specifications:
Same internal mechanism as the "SS" Series.
IP00 Enclosure rating

- Rated voltage: 30VDC
- Contact rating: 100mA

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Form	Operating Force	Price Each 1	25	50	100
653-D3M-01	D3M-01	I	Pin Plunger	SPST-NC	153g	1.51	1.43	1.35	1.11
653-D3M-01-3	D3M-01-3	I	Pin Plunger	SPST-NO	153g	1.82	1.73	1.63	1.34
653-D3M-01K1	D3M-01K1	J	Hinge Lever	SPST-NC	51g	1.59	1.51	1.42	1.17
653-D3M-01K1-3	D3M-01K1-3	J	Hinge Lever	SPST-NO	51g	1.47	1.39	1.32	1.08
653-D3M-01K2	D3M-01K2	K	Hinge Roller Lever	SPST-NC	51g	2.24	2.12	2.00	1.65
653-D3M-01K2-3	D3M-01K2-3	K	Hinge Roller Lever	SPST-NO	51g	1.93	1.83	1.73	1.42
653-D3M-01K3	D3M-01K3	L	Simulated Roller Lever	SPST-NC	51g	1.59	1.51	1.42	1.17
653-D3M-01K3-3	D3M-01K3-3	L	Simulated Roller Lever	SPST-NO	51g	1.49	1.41	1.33	1.10
653-D3M-01L1	D3M-01L1	M	Hinge Lever	SPST-NC	102g	1.59	1.51	1.42	1.17
653-D3M-01L1-3	D3M-01L1-3	M	Hinge Lever	SPST-NO	102g	1.49	1.41	1.33	1.10
653-D3M-01L2	D3M-01L2	N	Hinge Roller Lever	SPST-NC	102g	2.24	2.12	2.00	1.65
653-D3M-01L2-3	D3M-01L2-3	N	Hinge Roller Lever	SPST-NO	102g	1.82	1.73	1.63	1.34
653-D3M-01L3	D3M-01L3	O	Simulated Roller Lever	SPST-NC	102g	1.59	1.51	1.42	1.17
653-D3M-01L3-3	D3M-01L3-3	O	Simulated Roller Lever	SPST-NO	102g	1.49	1.41	1.33	1.10

D3V SERIES: COST-EFFECTIVE SNAP ACTION SWITCHES

Specifications:
Self-cleaning contacts
.187" Quick-Connect terminals
Contact configuration: SPDT momentary action

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force	Price Each 1	25	50	100
653-D3V-11G1C25	D3V-11G1C25K	P	Pin Plunger	11A	200g	1.71	1.58	1.39	1.25
653-D3V-11G21C25	D3V-11G21C25K	Q	Hinge Lever	11A	125g	1.97	1.81	1.60	1.44
653-D3V-11G2M1C25	D3V-11G2M1C25K	Q	Hinge Lever	11A	125g	1.94	1.78	1.57	1.42
653-D3V-11G41C25	D3V-11G41C25K	R	Simulated Roller Lever	11A	125g	1.97	1.81	1.60	1.44
653-D3V-11G4M1C25	D3V-11G4M1C25K	R	Simulated Roller Lever	11A	125g	1.94	1.78	1.57	1.42
653-D3V-11G61C25	D3V-11G61C25K	S	Hinge Roller Lever	11A	125g	2.38	2.19	1.93	1.74
653-D3V-11G6M1C25	D3V-11G6M1C25K	S	Hinge Roller Lever	11A	125g	2.19	2.01	1.78	1.60
653-D3V-16G1C25	D3V-16G1C25K	P	Pin Plunger	16A	200g	1.71	1.58	1.39	1.25
653-D3V-16G21C25	D3V-16G21C25K	Q	Hinge Lever	16A	125g	1.97	1.81	1.60	1.44
653-D3V-16G2M1C25	D3V-16G2M1C25K	Q	Hinge Lever	16A	125g	1.94	1.78	1.57	1.42
653-D3V-16G41C25	D3V-16G41C25K	R	Simulated Roller Lever	16A	125g	1.97	1.81	1.60	1.44
653-D3V-16G4M1C25	D3V-16G4M1C25K	R	Simulated Roller Lever	16A	125g	1.94	1.78	1.57	1.42
653-D3V-16G61C25	D3V-16G61C25K	S	Hinge Roller Lever	16A	125g	2.38	2.19	1.93	1.74
653-D3V-16G6M1C25	D3V-16G6M1C25K	S	Hinge Roller Lever	16A	125g	2.19	2.01	1.78	1.60

D2T SERIES: COMPACT DPST-NO SNAP ACTION SWITCHES

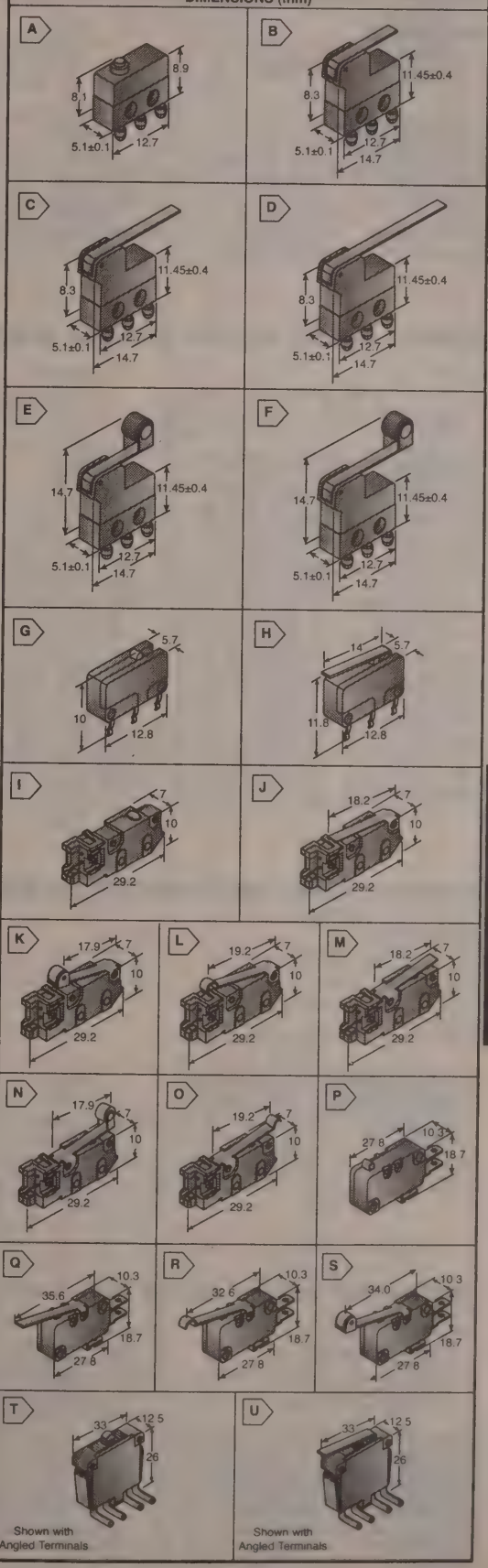
Specifications:
Electrical ratings: 5A @ 125/250VAC between terminals 1 & 2; 0.1 A at 125VAC between terminals 3 & 4
The circuit switching power load has a snap-action mechanism
The circuit switching low-level load has a slow-action mechanism
Terminals: Solder/#110 QC common terminal

Features:
- Incorporates circuits for power and low-level loads
- As compact as OMRON's V series
- Contact gap of 0.7mm min.
- Panel or screw mounted with ease

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force	Terminals	Price Each 1	25	50	100
653-D2T-T1	D2T-T1	T	Pin Plunger	330g	Angled	3.84	3.53	3.11	2.90
653-D2T-T1S	D2T-T1S	T	Pin Plunger	330g	Angled	3.84	3.53	3.11	2.90
653-D2T-LT1	D2T-LT1	U	Hinge Lever	150g	Straight	3.95	3.62	3.20	2.98
653-D2T-LT1S	D2T-LT1S	U	Hinge Lever	150g	Straight	3.95	3.62	3.20	2.98

DIMENSIONS (mm)



OMRON Basic Switches

OMRON
ELECTRONIC COMPONENTS

OMRON A SERIES: HIGH CAPACITY SNAP ACTION SWITCHES

Specifications:
- Screw terminal: -B suffix - M4; -B7-K suffix - #6-32NC
- Mounting hole size: -B suffix - 4.2mm; -B7-K suffix - 3.56mm
- Mount thread size (panel mount versions): -B suffix - M12 x 1mm; -B7-K - 15/32-32NC

Features:
- High-capacity switch capable of handling 20 A loads with inrush currents up to 75 A
- Direct switches such loads as motors, halogen lamps, and solenoids
- Same shape as OMRON Z series (except pin plunger).

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force	Price Each			
						1	25	50	100
653-A20G-B7	A-20G-B7-K	A	Pin Plunger	20 A @ 125/250 VAC	400-625 gf	7.34	6.94	6.48	6.01
653-A20GV2-B7	A-20GV2-B7-K	A	Hinge Roller Lever	20 A @ 125/250 VAC	90 gf	7.38	6.97	6.51	6.04
653-A20GV-B7	A-20GV-B7-K	A	Hinge Lever	20 A @ 125/250 VAC	70 gf	7.38	6.97	6.51	6.04
653-A20GV22-B7	A-20GV22-B7-K	A	Short Hinge Roller Lever	20 A @ 125/250 VAC	160 gf	7.93	7.49	6.99	6.49
653-A20GQ-B7	A-20GQ-B7-K	A	Panel Mount Plunger	20 A @ 125/250 VAC	400-625 gf	11.17	10.55	9.85	9.15

DIMENSIONS (mm)

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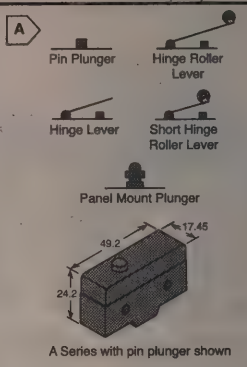

A Series with pin plunger shown

OMRON Z SERIES: GENERAL PURPOSE BASIC SWITCHES

Specifications:
- Screw terminal: -B suffix - M4; -B7-K suffix - #6-32NC
- Mounting hole size: -B suffix - 4.2mm; -B7-K suffix - 3.56mm
- Mount thread size (panel mount versions): -B suffix - M12 x 1mm; -B7-K - 15/32-32NC

Features:
- High precision in a variety of styles
- Wide margins of operating conditions
- Also available in a drip-proof version

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force	Price Each			
						1	20	40	100
653-Z15G-B	Z-15G-B	B	Pin Plunger	15 A @ 125/250 VAC	250-350 gf	5.43	5.13	4.79	4.45
653-Z15G-B7-K	Z-15G-B7-K	B	Pin Plunger	15 A @ 125/250 VAC	250-350 gf	5.43	5.13	4.79	4.45
653-Z15GD-B	Z-15GD-B	B	Short Spring Plunger	15 A @ 125/250 VAC	250-350 gf	6.67	6.30	5.88	5.46
653-Z15GD-B7-K	Z-15GD-B7-K	B	Short Spring Plunger	15 A @ 125/250 VAC	250-350 gf	6.67	6.30	5.88	5.46
653-Z15GW22-B	Z-15GW22-B	B	Short Hinge Roller Lever	15 A @ 125/250 VAC	160 gf	6.82	6.44	6.01	5.58
653-Z15GW22-B7-K	Z-15GW22-B7-K	B	Short Hinge Roller Lever	15 A @ 125/250 VAC	160 gf	6.82	6.44	6.01	5.58
653-Z15GW2-B	Z-15GW2-B	B	Hinge Roller Lever	15 A @ 125/250 VAC	100 gf	7.28	6.88	6.42	5.96
653-Z15GW2-B7-K	Z-15GW2-B7-K	B	Hinge Roller Lever	15 A @ 125/250 VAC	100 gf	7.28	6.88	6.42	5.96
653-Z15GW-B	Z-15GW-B	B	Hinge Lever	15 A @ 125/250 VAC	70 gf	7.28	6.88	6.42	5.96
653-Z15GW-B7-K	Z-15GW-B7-K	B	Hinge Lever	15 A @ 125/250 VAC	70 gf	7.28	6.88	6.42	5.96
653-Z15HW24-B7-K	Z-15HW24-B7-K	B	Low-force Hinge Lever	15 A @ 125/250 VAC	6 gf	7.52	7.11	6.64	6.16
653-Z15GQ-B	Z-15GQ-B	B	Panel Mount Plunger	15 A @ 125/250 VAC	250-350 gf	9.10	8.60	8.02	7.45
653-Z15GQ-B7-K	Z-15GQ-B7-K	B	Panel Mount Plunger	15 A @ 125/250 VAC	250-350 gf	9.10	8.60	8.02	7.45
653-Z15GQ21-B	Z-15GQ21-B	B	Panel Mnt Cross Roller Plung	15 A @ 125/250 VAC	250-350 gf	10.74	10.16	9.49	8.81
653-Z15GQ21-B7-K	Z-15GQ21-B7-K	B	Panel Mnt Cross Roller Plung	15 A @ 125/250 VAC	250-350 gf	10.74	10.16	9.49	8.81
653-Z15GQ22-B	Z-15GQ22-B	B	Panel Mount Roller Plunger	15 A @ 125/250 VAC	250-350 gf	10.74	10.16	9.49	8.81
653-Z15GQ22-B7-K	Z-15GQ22-B7-K	B	Panel Mount Roller Plunger	15 A @ 125/250 VAC	250-350 gf	10.74	10.16	9.49	8.81

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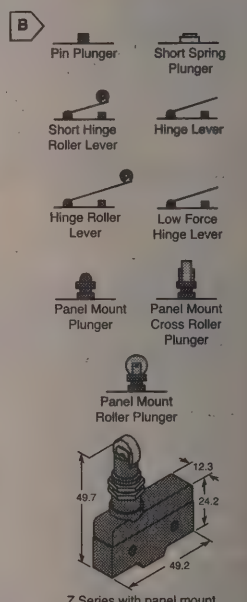

Z Series with panel mount cross roller plunger shown

OMRON TZ SERIES: HIGH TEMPERATURE BASIC SWITCHES

Specifications:
- Electrical rating: 1A @ 250VAC
- Contact gap: 0.5mm
- Operating temperature range: -65°C to 400°C (with no icing)
- Inrush current: NC contact - 9A max.; NO contact 4.5A max.
- Cross bar contact material: Platinum alloy

Features:
- Incorporates a ceramic insulator, cobalt-alloy spring, and special-alloy contact to ensure high contact reliability at high ambient temperatures.

Applications:
- Heat treating
- Annealing
- Metal processing ovens and conveyors
- Vacuum chambers
- Injection molding

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force	Price Each			
						1	5	10	25
653-TZ-1G	TZ-1G	C	Pin Plunger	1 A @ 125/250 VAC	500 gf	161.69	156.67	138.24	129.03
653-TZ-1GV	TZ-1GV	C	Hinge Lever	1 A @ 125/250 VAC	500 gf	265.71	257.47	227.18	212.03
653-TZ-1GV22	TZ-1GV22	C	Short Hinge Roller Lever	1 A @ 125/250 VAC	500 gf	259.08	251.05	221.51	206.74
653-TZ-1GV2	TZ-1GV2	C	Hinge Roller Lever	1 A @ 125/250 VAC	500 gf	265.71	257.47	227.18	212.03

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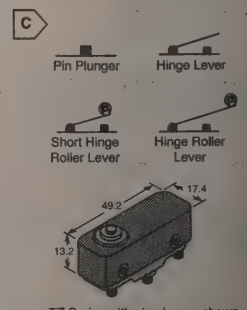

TZ Series with pin plunger shown

OMRON D2RW SERIES: SEALED REED BASIC SWITCHES

Specifications:
- Terminals: Molded lead wires
- Contact capacity: 10W max.
- Degree of protection: IEC IP67 (circuit block only)
- Contact form: SPST-NO
- Minimum applicable load: 100mA @ 5 VDC

Features:
- Internal reed switch construction enables the conductors block and the mechanical block to be separate.
- Conductor (circuit) block including the internal reed switch is entirely sealed with resin.
- Use of a reed switch maintains high contact reliability with micro load range.

NEW FROM SUPPLIER

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force	Price Each			
						1	10	25	50
653-D2RW-01	D2RW-01	D	Pin Plunger	0.25 A @ 100 VDC	150 gf	30.96	25.55	20.44	18.39
653-D2RW-01L1	D2RW-01L1	D	Hinge Lever	0.25 A @ 100 VDC	75 gf	31.52	26.00	20.80	18.72
653-D2RW-01L2	D2RW-01L2	D	Hinger Roller Lever	0.25 A @ 100 VDC	75 gf	32.07	26.46	21.16	19.05
653-D2RW-01L3	D2RW-01L3	D	Simulated Roller Lever	0.25 A @ 100 VDC	75 gf	31.52	26.00	20.80	18.72

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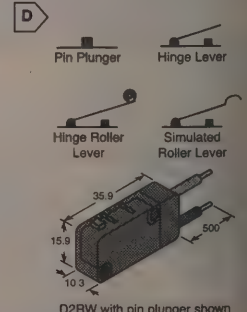


D2RW with pin plunger shown

MOUSER ELECTRONICS a tti company

OMRON Basic Switches

OMRON
ELECTRONIC COMPONENTS

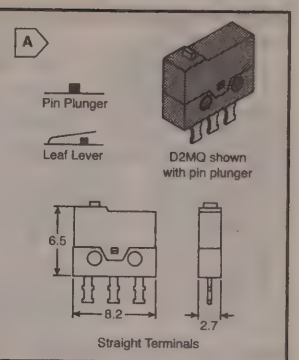
OMRON D2MQ SERIES: ULTRA SUBMINIATURE BASIC SWITCHES

Specifications:
Contact form: SPDT
Mechanical life: 30,000 operations min.
Contact gap: 0.15mm
Use M1.4 mounting screws with screws to mount the switch.

Features:
- Excels in electric characteristics with the snap-action mechanism despite superminiaturized design.
- Gold-plated contacts for micro load switching available in addition to the standard silver-plated contacts.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating (max.)	Contact Material	Operating Force (max.)	Price Each			
							1	25	50	100
653-D2MQ-1	D2MQ-1	A	Pin Plunger	0.5 A @ 30 VDC	Silver-plated	120 gf	2.48	2.34	2.14	2.01
653-D2MQ-1L	D2MQ-1L	A	Leaf Lever	0.5 A @ 30 VDC	Silver-plated	60 gf	2.56	2.42	2.21	2.07
653-D2MQ-1-105	D2MQ-1-105	A	Pin Plunger	50 mA @ 30 VDC	Gold-plated	120 gf	2.56	2.42	2.21	2.07
653-D2MQ-1L-105	D2MQ-1L-105	A	Leaf Lever	50 mA @ 30 VDC	Gold-plated	60 gf	2.69	2.46	2.32	2.17



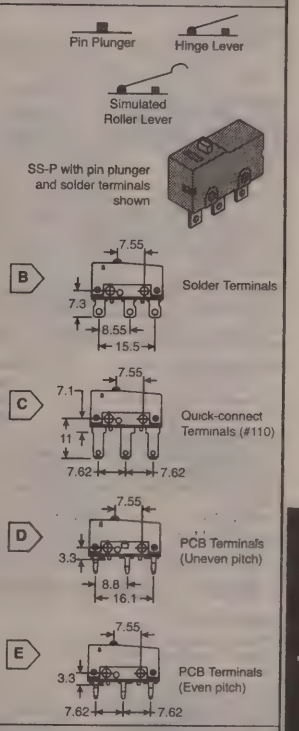
OMRON SS-P SERIES: SUBMINIATURE BASIC SWITCHES

Specifications:
Contact Material: SS-3P - Silver alloy rivet; SS-01P - Gold alloy crossbar
Contact Gap: 0.5mm

Features:
- Insert molded case for enhanced resistance to flux
- Simple construction with single-leaf spring
- SS series compatible mounting

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating (max.)	Operating Force (max.)	Terminals	Price Each			
							1	25	50	100
653-SS-01GP	SS-01GP	B	Pin Plunger	0.1 A @ 30 VDC	150 gf	Solder	.69	.60	.53	.48
653-SS-01GPT	SS-01GPT	C	Pin Plunger	0.1 A @ 30 VDC	150 gf	#110 QC	.69	.60	.53	.48
653-SS-01GPB	SS-01GPB	D	Pin Plunger	0.1 A @ 30 VDC	150 gf	PCB even	.69	.60	.53	.48
653-SS-01GPD	SS-01GPD	E	Pin Plunger	0.1 A @ 30 VDC	150 gf	PCB uneven	.69	.60	.53	.48
653-SS-01GLP	SS-01GLP	B	Hinge Lever	0.1 A @ 30 VDC	50 gf	Solder	.80	.70	.62	.56
653-SS-01GLPT	SS-01GLPT	C	Hinge Lever	0.1 A @ 30 VDC	50 gf	#110 QC	.80	.70	.62	.56
653-SS-01GLPB	SS-01GLPB	D	Hinge Lever	0.1 A @ 30 VDC	50 gf	PCB even	.80	.70	.62	.56
653-SS-01GLPD	SS-01GLPD	E	Hinge Lever	0.1 A @ 30 VDC	50 gf	PCB uneven	.80	.70	.62	.56
653-SS-01GL13P	SS-01GL13P	B	Sim. Roller Lever	0.1 A @ 30 VDC	50 gf	Solder	.80	.70	.62	.56
653-SS-01GL13PT	SS-01GL13PT	C	Sim. Roller Lever	0.1 A @ 30 VDC	50 gf	#110 QC	.80	.70	.62	.56
653-SS-01GL13PB	SS-01GL13PB	D	Sim.Roller Lever	0.1 A @ 30 VDC	50 gf	PCB even	.80	.70	.62	.56
653-SS-01GL13PD	SS-01GL13PD	E	Sim. Roller Lever	0.1 A @ 30 VDC	50 gf	PCB uneven	.80	.70	.62	.56
653-SS-3GP	SS-3GP	B	Pin Plunger	3 A @ 125 VAC	150 gf	Solder	.62	.54	.48	.43
653-SS-3GPT	SS-3GPT	C	Pin Plunger	3 A @ 125 VAC	150 gf	#110 QC	.62	.54	.48	.43
653-SS-3GPB	SS-3GPB	D	Pin Plunger	3 A @ 125 VAC	150 gf	PCB even	.62	.54	.48	.43
653-SS-3GPD	SS-3GPD	E	Pin Plunger	3 A @ 125 VAC	150 gf	PCB uneven	.62	.54	.48	.43
653-SS-3GLP	SS-3GLP	B	Hinge Lever	3 A @ 125 VAC	50 gf	Solder	.73	.63	.56	.50
653-SS-3GLPT	SS-3GLPT	C	Hinge Lever	3 A @ 125 VAC	50 gf	#110 QC	.73	.63	.56	.50
653-SS-3GLPB	SS-3GLPB	D	Hinge Lever	3 A @ 125 VAC	50 gf	PCB even	.73	.63	.56	.50
653-SS-3GLPD	SS-3GLPD	E	Hinge Lever	3 A @ 125 VAC	50 gf	PCB uneven	.73	.63	.56	.50
653-SS-3GL13P	SS-3GL13P	B	Sim. Roller Lever	3 A @ 125 VAC	50 gf	Solder	.73	.63	.56	.50
653-SS-3GL13PT	SS-3GL13PT	C	Sim. Roller Lever	3 A @ 125 VAC	50 gf	#110 QC	.73	.63	.56	.50
653-SS-3GL13PB	SS-3GL13PB	D	Sim. Roller Lever	3 A @ 125 VAC	50 gf	PCB even	.73	.63	.56	.50
653-SS-3GL13PD	SS-3GL13PD	E	Sim. Roller Lever	3 A @ 125 VAC	50 gf	PCB uneven	.73	.63	.56	.50



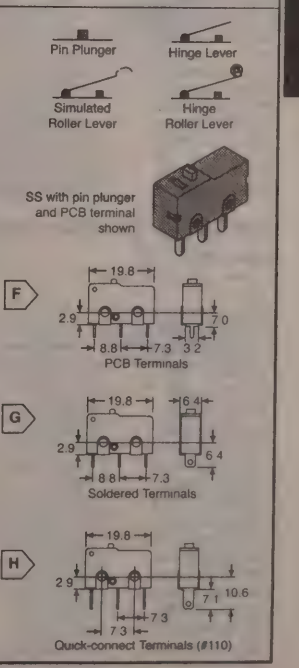
OMRON SS SERIES: SUBMINIATURE BASIC SWITCHES

Specifications:
Contact form: SPDT
Contacts: SS-01 - Bifurcated crossbar; SS-5 and SS-10 - Standard rivets

Features:
- Economical, subminiature basic switch offers long service life (30 million operations minimum for SS-10)
- All models are free from overtravel restrictions, permit easy setting

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating (max.)	Operating Force (max.)	Terminals	Price Each			
							1	25	50	100
653-SS-01	SS-01	F	Pin Plunger	0.1 A @ 30 VDC	150 gf	Solder	2.14	1.92	1.75	1.58
653-SS-01FT	SS-01FT	G	Pin Plunger	0.1 A @ 30 VDC	50 gf	#110 QC	2.04	1.82	1.65	1.48
653-SS-01D	SS-01D	H	Pin Plunger	0.1 A @ 30 VDC	150 gf	PCB	2.04	1.82	1.65	1.48
653-SS-01GL	SS-01GL	F	Hinge Lever	0.1 A @ 30 VDC	50 gf	Solder	2.04	1.82	1.65	1.48
653-SS-01GL13	SS-01GL13	F	Sim. Roller Lever	0.1 A @ 30 VDC	50 gf	Solder	2.04	1.82	1.65	1.48
653-SS-5	SS-5	F	Pin Plunger	5 A @ 125 VAC	150 gf	Solder	1.04	.93	.84	.75
653-SS-5FT	SS-5FT	G	Pin Plunger	5 A @ 125 VAC	50 gf	#110 QC	1.21	1.08	.98	.88
653-SS-5T	SS-5T	G	Pin Plunger	5 A @ 125 VAC	150 gf	#110 QC	1.33	1.18	1.07	.97
653-SS-5D	SS-5D	H	Pin Plunger	5 A @ 125 VAC	150 gf	PCB	1.21	1.08	.98	.88
653-SS-5GL	SS-5GL	F	Hinge Lever	5 A @ 125 VAC	50 gf	Solder	1.13	1.01	.92	.82
653-SS-5GLT	SS-5GLT	G	Hinge Lever	5 A @ 125 VAC	50 gf	#110 QC	1.21	1.08	.98	.88
653-SS-5GLD	SS-5GLD	H	Hinge Lever	5 A @ 125 VAC	50 gf	PCB	1.46	1.30	1.19	1.06
653-SS-5GL2	SS-5GL2	F	Hinge Roller Lever	5 A @ 125 VAC	50 gf	Solder	1.43	1.29	1.15	1.04
653-SS-5GL2T	SS-5GL2T	G	Hinge Roller Lever	5 A @ 125 VAC	50 gf	#110 QC	2.04	1.82	1.65	1.48
653-SS-5GL13T	SS-5GL13T	G	Sim. Roller Lever	5 A @ 125 VAC	50 gf	#110 QC	1.16	1.04	.93	.85
653-SS-10	SS-10	F	Pin Plunger	10.1 A @ 125 VAC	150 gf	Solder	2.04	1.82	1.65	1.48
653-SS-10T	SS-10T	G	Pin Plunger	10.1 A @ 125 VAC	150 gf	#110 QC	2.11	1.90	1.70	1.55
653-SS-10D	SS-10D	H	Pin Plunger	10.1 A @ 125 VAC	150 gf	PCB	2.07	1.85	1.68	1.54
653-SS-10GL	SS-10GL	F	Hinge Lever	10.1 A @ 125 VAC	50 gf	Solder	1.55	1.39	1.25	1.14
653-SS-10GLT	SS-10GLT	G	Hinge Lever	10.1 A @ 125 VAC	50 gf	#110 QC	1.93	1.71	1.56	1.40
653-SS-10GL2T	SS-10GL2T	G	Hinger Roller Lever	10.1 A @ 125 VAC	50 gf	#110 QC	2.17	1.96	1.75	1.57
653-SS-10GL13T	SS-10GL13T	G	Sim. Roller Lever	10.1 A @ 125 VAC	50 gf	#110 QC	1.92	1.70	1.55	1.39



OMRON D2MV SERIES: ULTRA-LOW LOAD, MINIATURE BASIC SWITCH

Specifications:
- Contact resistance: D2MV-01 - 50mW max.; D2MV-1 -= 30mW max.
- Terminal type: Solder/QC #187
- Contact material: D2MV-01 - gold alloy; D2MV-1 - Silver

Features:
- Twin crossbar contact for exceptionally high contact reliability in micro load applications.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force (max.)	Price Each			
						1	25	50	100
653-D2MV-01-1C1	D2MV-01-1C1	A	Pin Plunger	0.1 A @ 30 VDC	10 gf	4.97	4.47	3.80	3.35
653-D2MV-01-1C3	D2MV-01-1C3	A	Pin Plunger	0.1 A @ 30 VDC	50 gf	4.97	4.47	3.80	3.35
653-D2MV-01L-1C3	D2MV-01L-1C3	A	Hinge lever	0.1 A @ 30 VDC	30 gf	4.97	4.47	3.80	3.35
653-D2MV-01L111-1C3	D2MV-01L111-1C3	A	Long hinge lever	0.1 A @ 30 VDC	15 gf	5.30	4.77	4.06	3.58
653-D2MV-01L22-1C3	D2MV-01L22-1C3	A	Short hinge roller lever	0.1 A @ 30 VDC	50 gf	4.97	4.47	3.80	3.35
653-D2MV-01L2-1C3	D2MV-01L2-1C3	A	Hinge roller lever	0.1 A @ 30 VDC	30 gf	4.02	3.61	3.07	2.71
653-D2MV-1-1C2	D2MV-1-1C2	A	Pin Plunger	1 A @ 125 VAC	25 gf	3.43	3.09	2.62	2.32
653-D2MV-1L111-1C3	D2MV-1L111-1C3	A	Long hinge lever	1 A @ 125 VAC	15 gf	5.21	4.69	3.98	3.52
653-D2MV-1L2-1C3	D2MV-1L2-1C3	A	Hinge roller lever	1 A @ 125 VAC	30 gf	4.96	4.47	3.80	3.35

OMRON D2MC SERIES: LOW-TORQUE ROTARY-ACTION BASIC SWITCH

Specifications:
- Contact resistance: D2MC-01 - 100mΩ max.; D2MV-5 -= 20mΩ max.
- Contact material: D2MC-01 - gold alloy; D2MV-5 - Silver alloy
- Terminal type: Quick connect #205

Features:
- Highly reliable rotary-action switch for low torque operation.
- Long life - 10,000,000 operations

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Direction of Actuation	Contact Rating	Operating Torque (max.)	Price Each			
						1	25	50	100
653-D2MC-5E	D2MC-5E	B	Clockwise	5 A @ 250 VAC	5.1 gf · cm	6.72	6.54	6.17	5.45
653-D2MC-5F	D2MC-5F	B	Clockwise	5 A @ 250 VAC	7.6 gf · cm	6.72	6.54	6.17	5.45
653-D2MC-5H	D2MC-5H	B	Clockwise	5 A @ 250 VAC	10.2 gf · cm	6.72	6.54	6.17	5.45
653-D2MC-5EL	D2MC-5EL	B	Counterclockwise	5 A @ 250 VAC	5.1 gf · cm	6.69	6.50	6.14	5.42
653-D2MC-5FL	D2MC-5FL	B	Counterclockwise	5 A @ 250 VAC	7.6 gf · cm	6.69	6.50	6.14	5.42
653-D2MC-5HL	D2MC-5HL	B	Counterclockwise	5 A @ 250 VAC	10.2 gf · cm	6.69	6.50	6.14	5.42
653-D2MC-01E	D2MC-01E	B	Clockwise	500 mA @ 30VDC	5.1 gf · cm	8.92	8.67	8.18	7.22
653-D2MC-01EL	D2MC-01EL	B	Counterclockwise	500 mA @ 30VDC	5.1 gf · cm	8.92	8.67	8.18	7.22
653-CAA1M	CAA1M	C	Actuator lever			.63	.61	.58	.51

OMRON D2RV SERIES: REED MINIATURE BASIC SWITCHES

Specifications:
- Switching voltage: 100 VDC max.
- Contact capacity: 10 W max.
- Terminal type: #187 Quick connect

Features:
- Built-in reed switch offers exceptional reliability in microcurrent applications.
- Same mounting pitch as for the Omron V series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Direction of Actuation	Contact Rating	Operating Torque (max.)	Price Each			
						1	25	50	100
653-D2RV	D2RV	D	Pin plunger	0.25 ADC	50 gf	9.65	8.69	7.38	6.51
653-D2RV-G	D2RV-G	D	Pin plunger	0.25 ADC	100 gf	7.76	6.98	5.93	5.24
653-D2RV-L22	D2RV-L22	D	Short hinge roller lever	0.25 ADC	50 gf	10.34	9.31	7.91	6.98
653-D2RV-L2G	D2RV-L2G	D	Hinge roller lever	0.25 ADC	50 gf	12.07	10.86	9.23	8.14

OMRON V SERIES: MINIATURE GENERAL PURPOSE BASIC SWITCHES

Specifications:
- Contact resistance: V15 - 15mΩ; V10 - 30mΩ
- Insulation resistance: 100MΩ
- Terminal type: #187 Quick Connect

Features:
- Switch housing is a thermoset case, giving high versatility
- Contact form: SPDT

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force (max.)	Price Each			
						1	25	50	100
653-V10G1C24	V-10G-1C-24-K	E	Pin plunger	10 A @ 250 VAC	100 gf	1.84	1.67	1.45	1.32
653-V10G51C25	V-10G5-1C25-K	E	Short hinge roller lever	10 A @ 250 VAC	200 gf	2.25	2.03	1.77	1.61
653-V15G1C25	V-15G-1C-25-K	E	Pin plunger	15 A @ 250 VAC	200 gf	1.84	1.67	1.45	1.32
653-V15G1C26	V-15G-1C-26-K	E	Pin plunger	15 A @ 250 VAC	400 gf	1.84	1.67	1.45	1.32
653-V15G21C25	V-15G2-1C25-K	E	Hinge lever	15 A @ 250 VAC	125 gf	2.62	2.36	2.12	1.89
653-V15G21C26	V-15G2-1C26-K	E	Hinge lever	15 A @ 250 VAC	400 gf	1.84	1.67	1.45	1.32
653-V15G31C25	V-15G3-1C25-K	E	Long hinge lever	15 A @ 250 VAC	200 gf	2.04	1.85	1.61	1.46
653-V15G31C26	V-15G3-1C26-K	E	Long hinge lever	15 A @ 250 VAC	400 gf	2.04	1.85	1.61	1.46
653-V15G41C25	V-15G4-1C25-K	E	Simulated roller lever	15 A @ 250 VAC	200 gf	2.04	1.85	1.61	1.46
653-V15G51C26	V-15G5-1C26-K	E	Short hinge roller lever	15 A @ 250 VAC	400 gf	2.25	2.03	1.77	1.61

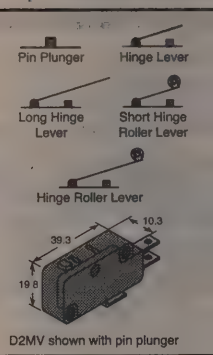
OMRON VX SERIES: SPDT MINIATURE SNAP ACTION SWITCHES

Specifications:
- Contact rating: 5A @ 250 VAC; 0.1A @ 125VAC
- Inrush current: 15A max.

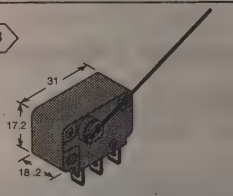
Features:
- Compact with low operating force internal hinge lever mechanism assure contact reliability

For quantities of 500 and up, call for quote.

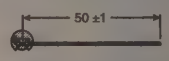
MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force (max.)	Price Each			
						1	25	50	100
653-VX-5-1A2	VX-5-1A2	F	Pin Plunger	25 gf	Solder/#187 common term.	2.79	2.13	1.88	1.75
653-VX-5-1A3	VX-5-1A3	F	Pin Plunger	50 gf	Solder/#187 common term.	2.79	2.13	1.88	1.75
653-VX-5-1C22	VX-5-1C22	F	Pin Plunger	25 gf	#187 Tab terminal	2.79	2.13	1.88	1.75
653-VX-5-1C23	VX-5-1C23	F	Pin Plunger	50 gf	#187 Tab terminal	2.79	2.13	1.88	1.75
653-VX-51-1A3	VX-51-1A3	F	Short hinge lever	50 gf	Solder/#187 common term.	3.05	2.33	2.06	1.92
653-VX-51-1C23	VX-51-1C23	F	Short hinge lever	50 gf	#187 Tab terminal	3.05	2.33	2.06	1.92
653-VX-52-1A3	VX-52-1A3	F	Hinge lever	30 gf	Solder/#187 common term.	3.05	2.33	2.06	1.92
653-VX-52-1C23	VX-52-1C23	F	Hinge lever	30 gf	#187 Tab terminal	3.05	2.33	2.06	1.92
653-VX-53-1A3	VX-53-1A3	F	Long hinge lever	15 gf	Solder/#187 common term.	3.24	2.48	2.19	2.04
653-VX-53-1C23	VX-53-1C23	F	Long hinge lever	15 gf	#187 Tab terminal	3.24	2.48	2.19	2.04
653-VX-54-1A3	VX-54-1A3	F	Simulated roller lever	30 gf	Solder/#187 common term.	3.11	2.38	2.10	1.96
653-VX-54-1C23	VX-54-1C23	F	Simulated roller lever	30 gf	#187 Tab terminal	3.11	2.38	2.10	1.96
653-VX-55-1A3	VX-55-1A3	F	Short hinge roller lever	50 gf	Solder/#187 common term.	3.51	2.69	2.37	2.21
653-VX-55-1C23	VX-55-1C23	F	Short hinge roller lever	50 gf	#187 Tab terminal	3.51	2.69	2.37	2.21
653-VX-56-1A3	VX-56-1A3	F	Hinge roller lever	30 gf	Solder/#187 common term.	3.51	2.69	2.37	2.21
653-VX-56-1C23	VX-56-1C23	F	Hinge roller lever	30 gf	#187 Tab terminal	3.51	2.69	2.37	2.21

A


D2MV shown with pin plunger

B


D2MC shown with optional lever (CAA-1M

C


Optional lever CAA1M for D2MC

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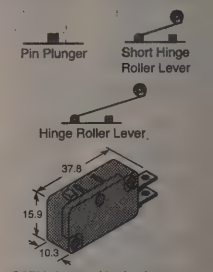
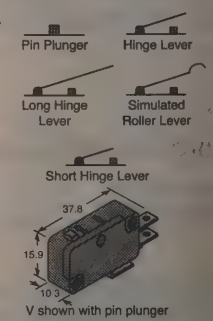


D2RV shown with pin plunger

E


V shown with pin plunger

F

VX shown with pin plunger

MOUSER ELECTRONICS a tti company

OMRON ELECTRONIC COMPONENTS

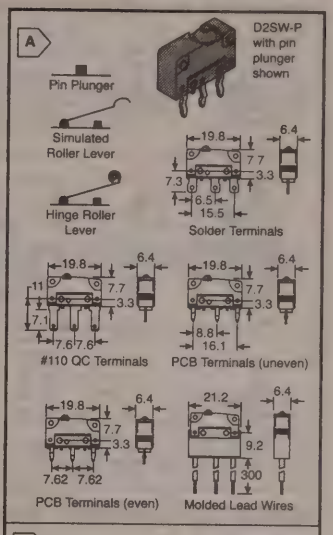
OMRON D2SW-P SERIES: SEALED SUBMINIATURE BASIC SWITCHES

Specifications:
Contacts: D2SW-P01 - Crossbar; D2SW-P2 - Rivet
Contact material: D2SW-P01 - Gold alloy; D2SW-P2 - Silver alloy
Contact form: SPDT
Contact gap: 0.5mm
Contact rating: D2SW-P01 - 0.1 A @ 30 VDC/125 VAC; D2SW-P2 - 2 A @ 30 VDC/250 VAC

Features:
- Mounting compatible with SS and D2SW Series
- Sealing by using rubber packing means the switch can be used in dustproof or in temporary waterproof environments
- Degree of protection: IEC IP67 (circuit block only)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each 1	25	50	100
653-D2SW-P01T	D2SW-P01T	A	Pin Plunger	183 gf	#110 QC	1.48	1.30	1.15	1.04
653-D2SW-P01D	D2SW-P01D	A	Pin Plunger	183 gf	PCB uneven	1.48	1.30	1.15	1.04
653-D2SW-P01L3T	D2SW-P01L3T	A	Simulated Roller Lever	61 gf	#110 QC	1.89	1.66	1.48	1.33
653-D2SW-P01L3D	D2SW-P01L3D	A	Simulated Roller Lever	61 gf	PCB uneven	1.89	1.66	1.48	1.33
653-D2SW-P01L3B	D2SW-P01L3B	A	Simulated Roller Lever	61 gf	PCB even	1.89	1.66	1.48	1.33
653-D2SW-P01L3M	D2SW-P01L3M	A	Simulated Roller Lever	61 gf	Molded lead wires	4.07	3.57	3.17	2.85
653-D2SW-P2T	D2SW-P2T	A	Pin Plunger	183 gf	#110 QC	1.30	1.14	1.01	.91
653-D2SW-P2L2H	D2SW-P2L2H	A	Hinge Roller Lever	61 gf	Solder	2.09	1.83	1.63	1.47
653-D2SW-P2L3H	D2SW-P2L3H	A	Simulated Roller Lever	61 gf	Solder	1.69	1.48	1.32	1.19
653-D2SW-P2L3M	D2SW-P2L3M	A	Simulated Roller Lever	61 gf	Molded lead wires	3.86	3.39	3.01	2.71



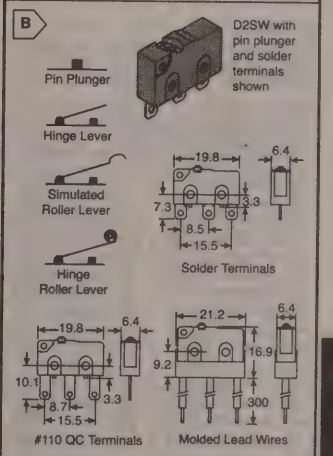
OMRON D2SW SERIES: SUBMINIATURE WATERTIGHT SNAP ACTION SWITCHES

Specifications:
Contacts: D2SW-01 - Crossbar; D2SW-3 - Rivet
Contact material: D2SW-01 - Gold alloy; D2SW-3 - Silver alloy
Contact form: SPDT
Contact gap: 0.5mm
Contact rating: D2SW-01 - 0.1 A @ 30 VDC/125 VAC; D2SW-3 - 3 A @ 30 VDC/125 VAC
* standard length of the molded lead wires is 30 cm.

Features:
- Use of epoxy resin assures stable sealing, making this switch ideal for places subject to water spray or excessive dust.
- Degree of protection: IEC IP67

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each 1	25	50	100
653-D2SW-01L1MS	D2SW-01L1MS	B	Hinge Lever	60 gf	Molded lead wires	6.65	5.99	5.39	4.79
653-D2SW-01L3TS	D2SW-01L3TS	B	Simulated Roller Lever	60 gf	#110 QC	4.24	3.82	3.44	3.06
653-D2SW-01L3MS	D2SW-01L3MS	B	Simulated Roller Lever	60 gf	Molded lead wires	6.65	5.99	5.39	4.79
653-D2SW-01L2TS	D2SW-01L2TS	B	Hinge Roller Lever	60 gf	#110 QC	4.51	4.06	3.65	3.25
653-D2SW-01L2MS	D2SW-01L2MS	B	Hinge Roller Lever	60 gf	Molded lead wires	6.95	6.25	5.63	5.00
653-D2SW-3HS	D2SW-3HS	B	Pin Plunger	180 gf	Solder	2.48	2.21	2.01	1.80
653-D2SW-3TS	D2SW-3TS	B	Pin Plunger	180 gf	#110 QC	2.48	2.21	2.01	1.80
653-D2SW-3MS	D2SW-3MS	B	Pin Plunger	180 gf	Molded lead wires	4.12	3.66	3.32	2.98
653-D2SW-3L3HS	D2SW-3L3HS	B	Simulated Roller Lever	60 gf	Solder	2.64	2.35	2.13	1.91
653-D2SW-3L3MS	D2SW-3L3MS	B	Simulated Roller Lever	60 gf	Molded lead wires	4.30	3.82	3.46	3.11
653-D2SW-3L1HS	D2SW-3L1HS	B	Hinge Lever	60 gf	Solder	2.64	2.35	2.13	1.91
653-D2SW-3L1TS	D2SW-3L1TS	B	Hinge Lever	60 gf	#110 QC	2.64	2.35	2.13	1.91
653-D2SW-3L1MS	D2SW-3L1MS	B	Hinge Lever	60 gf	Molded lead wires	4.30	3.82	3.46	3.11
653-D2SW-3L2HS	D2SW-3L2HS	B	Hinge Roller Lever	60 gf	Solder	3.01	2.68	2.43	2.18
653-D2SW-3L2MS	D2SW-3L2MS	B	Hinge Roller Lever	60 gf	Molded lead wires	4.54	4.04	3.66	3.28



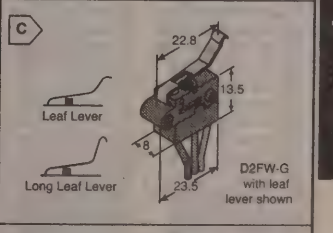
OMRON D2FW-G SERIES: SUBMINIATURE WATERTIGHT SNAP ACTION SWITCHES

Specifications:
Contacts: Crossbar
Contact material: D2FW-G0 - Gold alloy; D2FW-G2 - Silver alloy
Contact gap: 0.25mm
Contact rating: D2FW-G0 - 0.1 A @ 30 VDC; D2FW-G2 - 1 A @ 30 VDC
* standard length of the molded lead wires is 30 cm.

Features:
- Single-point mounting with an M4 screw.
- Molded lead wires are installed using lead-free connections for environmental conservation
- Incorporates a fixed leaf lever for tough environments.
- Degree of protection: IEC IP67

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (max.)	Contact Form	Price Each 1	25	50	100
653-D2FW-G071M	D2FW-G071M	C	Leaf Lever	250 gf	SPDT	3.42	3.08	2.74	2.48
653-D2FW-G072M	D2FW-G072M	C	Leaf Lever	250 gf	SPST-NC	3.42	3.08	2.74	2.48
653-D2FW-G073M	D2FW-G073M	C	Leaf Lever	250 gf	SPST-NO	3.42	3.08	2.74	2.48
653-D2FW-G081M	D2FW-G081M	C	Long Leaf Lever	300 gf	SPDT	3.42	3.08	2.74	2.48
653-D2FW-G082M	D2FW-G082M	C	Long Leaf Lever	300 gf	SPST-NC	3.42	3.08	2.74	2.48
653-D2FW-G083M	D2FW-G083M	C	Long Leaf Lever	300 gf	SPST-NO	3.42	3.08	2.74	2.48
653-D2FW-G271M	D2FW-G271M	C	Leaf Lever	250 gf	SPDT	3.42	3.08	2.74	2.48
653-D2FW-G272M	D2FW-G272M	C	Leaf Lever	250 gf	SPST-NC	3.42	3.08	2.74	2.48
653-D2FW-G273M	D2FW-G273M	C	Leaf Lever	250 gf	SPST-NO	3.42	3.08	2.74	2.48
653-D2FW-G281M	D2FW-G281M	C	Long Leaf Lever	300 gf	SPDT	3.42	3.08	2.74	2.48
653-D2FW-G282M	D2FW-G282M	C	Long Leaf Lever	300 gf	SPST-NC	3.42	3.08	2.74	2.48
653-D2FW-G283M	D2FW-G283M	C	Long Leaf Lever	300 gf	SPST-NO	3.42	3.08	2.74	2.48



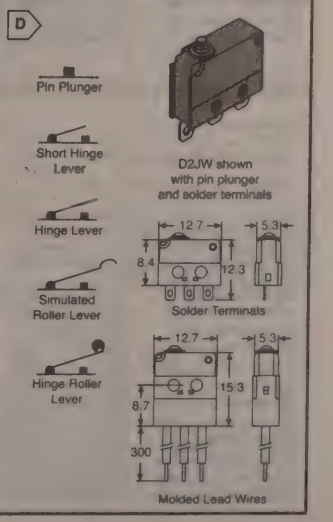
OMRON D2JW SERIES: IMMERSION-PROOF SUBMINIATURE SNAP ACTION SWITCHES

Specifications:
Contact form: SPDT
Contact gap: 0.5mm
Degree of protection: IEC IP67 (excluding the terminals on terminal models)
Contact rating: 0.1 A @ 30 VDC

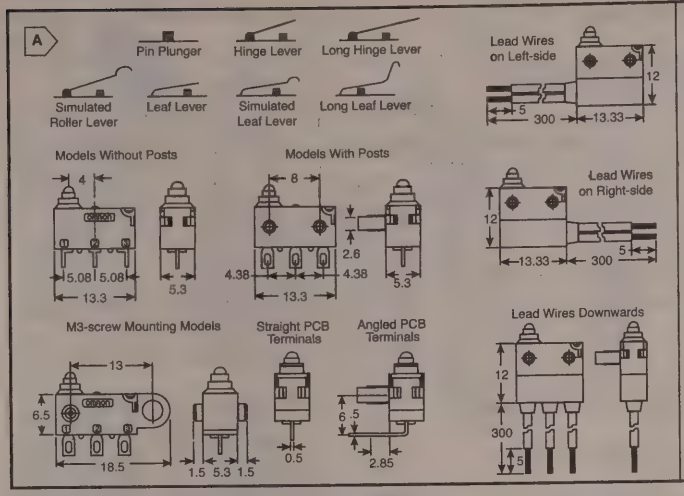
Features:
- Ultra-small and highly sealed
- Gold-alloy crossbar contact and coil spring offer long life expectancy and high contact reliability.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each 1	25	50	100
653-D2JW-011	D2JW-011	D	Pin Plunger	250 gf	Solder	6.28	5.77	5.09	4.75
653-D2JW-011-MD	D2JW-011-MD	D	Pin Plunger	250 gf	Molded lead wires	8.04	7.38	6.51	6.08
653-D2JW-01K31	D2JW-01K31	D	Simulated Roller Lever	97 gf	Solder	6.62	6.07	5.36	5.00
653-D2JW-01K31-MD	D2JW-01K31-MD	D	Simulated Roller Lever	97 gf	Molded lead wires	8.35	7.67	6.77	6.32
653-D2JW-01K1A1	D2JW-01K1A1	D	Short Hinge Lever	117 gf	Solder	6.62	6.07	5.36	5.00
653-D2JW-01K1A1-MD	D2JW-01K1A1-MD	D	Short Hinge Lever	117 gf	Molded lead wires	8.35	7.67	6.77	6.32
653-D2JW-01K11	D2JW-01K11	D	Hinge Lever	82 gf	Solder	6.62	6.07	5.36	5.00
653-D2JW-01K11-MD	D2JW-01K11-MD	D	Hinge Lever	82 gf	Molded lead wires	8.35	7.67	6.77	6.32
653-D2JW-01K21	D2JW-01K21	D	Hinge Roller Lever	100 gf	Solder	6.94	6.37	5.62	5.25
653-D2JW-01K21-MD	D2JW-01K21-MD	D	Hinge Roller Lever	100 gf	Molded lead wires	8.62	7.92	6.98	6.52



OMRON Sealed Basic Switches



DIMENSIONS (m

OMRON D2HW SERIES: SEALED SUBMINIATURE SNAP ACTION SWITCHES

Specifications:

- Degree of protection: IEC IP67 lead wire types; IP50 for terminal solder types
- Extra-long stroke of 1.4mm OT
- Rated voltage: 0.1 A @ 125 VAC; 2 A @ 12 VDC

Features:

- Smallest sealed snap-action switch in the industry with a very long stroke for reliable ON/OFF action.
- Made of environment-friendly materials. All models are lead-free, including molded lead wire models.

The standard length of the molded lead wires is 30 cm.

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Form	Operating Force (max.)	Mounting Structure	Terminals	Price Each 1	25	50	10
653-D2HW-A201D	D2HW-A201D	A	Pin Plunger	SPDT	76 gf	Without posts	Straight PCB	2.13	1.94	1.84	1.4
653-D2HW-BL201DL	D2HW-BL201DL	A	Pin Plunger	SPDT	76 gf	Posts on left	Left-angle PCB	2.13	1.94	1.84	1.4
653-D2HW-BR201DR	D2HW-BR201DR	A	Pin Plunger	SPDT	76 gf	Posts on right	Right-angle PCB	2.13	1.94	1.84	1.4
653-D2HW-BL201M	D2HW-BL201M	A	Pin Plunger	SPDT	76 gf	Posts on left	Molded lead wires downward	4.33	3.93	3.74	2.9
653-D2HW-BR201M	D2HW-BR201M	A	Pin Plunger	SPDT	76 gf	Posts on right	Molded lead wires downward	4.33	3.93	3.74	2.9
653-D2HW-C201M	D2HW-C201M	A	Pin Plunger	SPDT	76 gf	M-3 screw mount	Molded lead wires downward	4.77	4.34	4.12	3.2
653-D2HW-BR211DR	D2HW-BR211DR	A	Hinge Lever	SPDT	76 gf	Posts on right	Right-angle PCB	2.27	2.06	1.96	1.5
653-D2HW-BL211M	D2HW-BL211M	A	Hinge Lever	SPDT	76 gf	Posts on left	Molded lead wires downward	4.55	4.14	3.93	3.1
653-D2HW-BR211M	D2HW-BR211M	A	Hinge Lever	SPDT	76 gf	Posts on right	Molded lead wires downward	4.55	4.14	3.93	3.1
653-D2HW-C211M	D2HW-C211M	A	Hinge Lever	SPDT	76 gf	M-3 screw mount	Molded lead wires downward	4.92	4.47	4.25	3.3
653-D2HW-BL212ML	D2HW-BL212ML	A	Hinge Lever	SPST-NC	76 gf	Posts on left	Molded lead wires left-side	4.55	4.14	3.93	3.1
653-D2HW-BR212ML	D2HW-BR212ML	A	Hinge Lever	SPST-NC	76 gf	Posts on right	Molded lead wires left-side	4.55	4.14	3.93	3.1
653-D2HW-BL212MR	D2HW-BL212MR	A	Hinge Lever	SPST-NC	76 gf	Posts on left	Molded lead wires right-side	4.55	4.14	3.93	3.1
653-D2HW-BR212MR	D2HW-BR212MR	A	Hinge Lever	SPST-NC	76 gf	Posts on right	Molded lead wires right-side	4.55	4.14	3.93	3.1
653-D2HW-C212MR	D2HW-C212MR	A	Hinge Lever	SPST-NC	76 gf	M-3 screw mount	Molded lead wires right-side	4.92	4.47	4.25	3.3
653-D2HW-BL213ML	D2HW-BL213ML	A	Hinge Lever	SPST-NO	76 gf	Posts on left	Molded lead wires left-side	4.55	4.14	3.93	3.1
653-D2HW-BR213ML	D2HW-BR213ML	A	Hinge Lever	SPST-NO	76 gf	Posts on right	Molded lead wires left-side	4.55	4.14	3.93	3.1
653-D2HW-BL213MR	D2HW-BL213MR	A	Hinge Lever	SPST-NO	76 gf	Posts on left	Molded lead wires right-side	4.55	4.14	3.93	3.1
653-D2HW-BR213MR	D2HW-BR213MR	A	Hinge Lever	SPST-NO	76 gf	Posts on right	Molded lead wires right-side	4.55	4.14	3.93	3.1
653-D2HW-C213MR	D2HW-C213MR	A	Hinge Lever	SPST-NO	76 gf	M-3 screw mount	Molded lead wires right-side	4.92	4.47	4.25	3.3
653-D2HW-BL221DL	D2HW-BL221DL	A	Long Hinge Lever	SPDT	50 gf	Posts on left	Left-angle PCB	2.27	2.06	1.96	1.5
653-D2HW-BL221M	D2HW-BL221M	A	Long Hinge Lever	SPDT	50 gf	Posts on left	Molded lead wires downward	4.55	4.14	3.93	3.1
653-D2HW-BR221M	D2HW-BR221M	A	Long Hinge Lever	SPDT	50 gf	Posts on right	Molded lead wires downward	4.55	4.14	3.93	3.1
653-D2HW-BL231M	D2HW-BL231M	A	Simulated Roller Hinge Lever	SPDT	66 gf	Posts on left	Molded lead wires downward	4.55	4.14	3.93	3.1
653-D2HW-BR231M	D2HW-BR231M	A	Simulated Roller Hinge Lever	SPDT	66 gf	Posts on right	Molded lead wires downward	4.55	4.14	3.93	3.1
653-D2HW-BL261M	D2HW-BL261M	A	Leaf Lever	SPDT	183 gf	Posts on left	Molded lead wires downward	4.55	4.14	3.93	3.1
653-D2HW-BR261M	D2HW-BR261M	A	Leaf Lever	SPDT	183 gf	Posts on right	Molded lead wires downward	4.55	4.14	3.93	3.1
653-D2HW-BL271M	D2HW-BL271M	A	Simulated Roller Leaf Lever	SPDT	183 gf	Posts on left	Molded lead wires downward	4.55	4.14	3.93	3.1
653-D2HW-BR271M	D2HW-BR271M	A	Simulated Roller Leaf Lever	SPDT	183 gf	Posts on right	Molded lead wires downward	4.55	4.14	3.93	3.1
653-D2HW-BL281M	D2HW-BL281M	A	Long Leaf Lever	SPDT	92 gf	Posts on left	Molded lead wires downward	4.55	4.14	3.93	3.1
653-D2HW-BR281M	D2HW-BR281M	A	Long Leaf Lever	SPDT	92 gf	Posts on right	Molded lead wires downward	4.55	4.14	3.93	3.1

OMRON D2VW SERIES: MINIATURE WATERTIGHT SNAP ACTION SWITCHES

Specifications:

- Contact form: SPDT
- Rating for UL/CSA approval is as follows: D2VW-01 - 0.1A @ 125 VAC/30 VDC; D2VW-5 - 3A @ 125 VAC/250 VAC
- Mechanical life: 10,000,000 operations min.

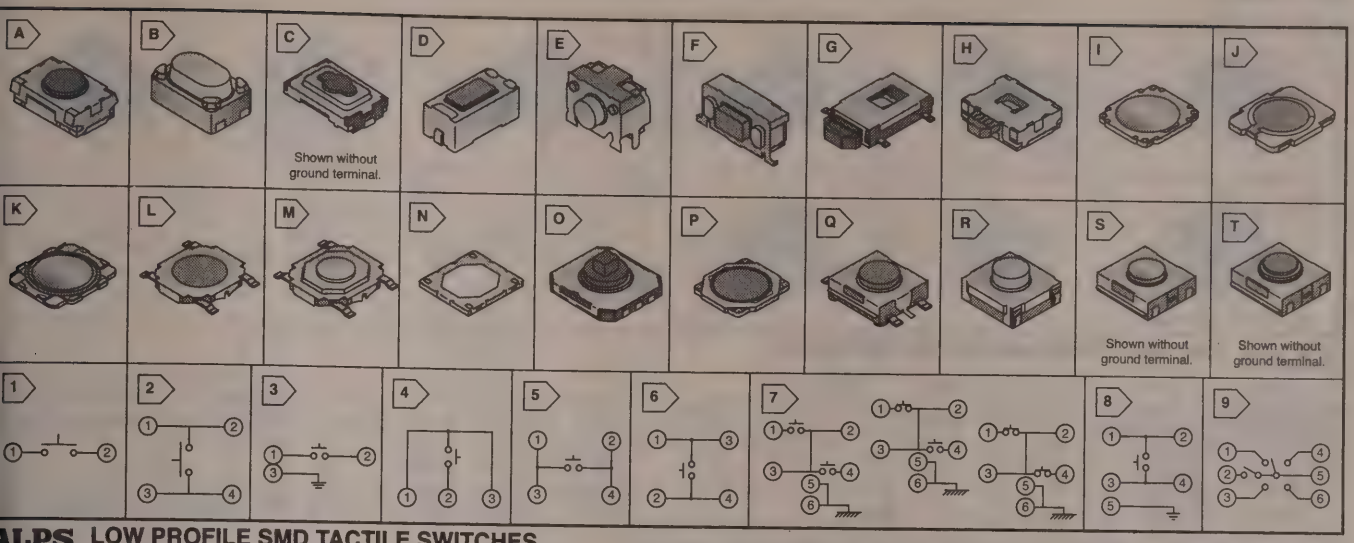
Features:

- High-quality watertight, high-precision miniauture snap action switches meet IP67 (IEC 529) requirements (for lead wire types) and IP50 (for terminal types)
- Monoblock construction assures high sealing capability and is ideal for dusty environments or where water is sprayed

The standard length of the molded lead wires is 30 cm.

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force (max.)	Terminals	Price Each 1	25	50	1
653-D2VW-5-1HS	D2VW-5-1HS	B	Pin Plunger	5 A @ 125/250 VAC/30 VDC	200g	Solder and #187 tab terminals	3.35	2.98	2.70	2.
653-D2VW-01-1HS	D2VW-01-1HS	B	Pin Plunger	0.1 A @ 125VAC/30VDC	200g	Solder and #187 tab terminals	3.48	3.10	2.81	2.
653-D2VW-5-1MS	D2VW-5-1MS	B	Pin Plunger	5 A @ 125/250 VAC/30 VDC	200g	Molded lead wires	5.54	4.92	4.46	4.
653-D2VW-01-1MS	D2VW-01-1MS	B	Pin Plunger	0.1 A @ 125VAC/30VDC	200g	Molded lead wires	7.18	6.38	5.78	5.
653-D2VW-5L1-1HS	D2VW-5L1-1HS	B	Hinge Lever	5 A @ 125/250 VAC/30 VDC	120g	Solder and #187 tab terminals	3.50	3.11	2.82	2.
653-D2VW-01L1-1HS	D2VW-01L1-1HS	B	Hinge Lever	0.1 A @ 125VAC/30VDC	120g	Solder and #187 tab terminals	4.18	3.72	3.37	3.
653-D2VW-5L1-1MS	D2VW-5L1-1MS	B	Hinge Lever	5 A @ 125/250 VAC/30 VDC	120g	Molded lead wires	5.39	4.80	4.34	3.
653-D2VW-01L1-1MS	D2VW-01L1-1MS	B	Hinge Lever	0.1 A @ 125VAC/30VDC	120g	Molded lead wires	7.52	6.69	6.06	5.
653-D2VW-5L2-1HS	D2VW-5L2-1HS	B	Hinge Roller Lever	5 A @ 125/250 VAC/30 VDC	120g	Solder and #187 tab terminals	3.50	3.11	2.82	2.
653-D2VW-01L2-1HS	D2VW-01L2-1HS	B	Hinge Roller Lever	0.1 A @ 125VAC/30VDC	120g	Solder and #187 tab terminals	5.60	4.98	4.51	4.
653-D2VW-5L2-1MS	D2VW-5L2-1MS	B	Hinge Roller Lever	5 A @ 125/250 VAC/30 VDC	120g	Molded lead wires	5.77	5.13	4.65	4.
653-D2VW-01L2-1MS	D2VW-01L2-1MS	B	Hinge Roller Lever	0.1 A @ 125VAC/30VDC	120g	Molded lead wires	6.38	5.67	5.14	4.

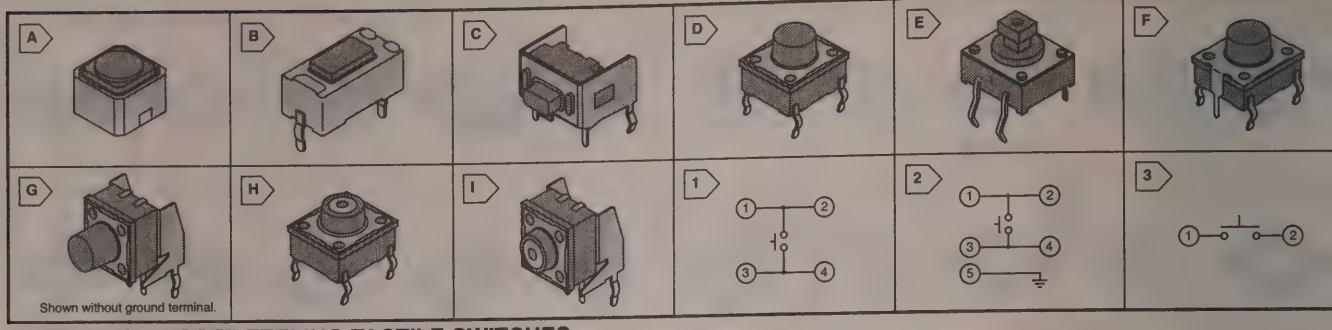


ALPS LOW PROFILE SMD TACTILE SWITCHES

Contact rating: 50mA @ 12VDC max. • Tape and reel packaging • Reflow solderable

For quantities greater than listed, call for a quote.

Mouser Stock No.	Alps Part Number	Fig.	Size (mm) L	W	H	Operating Force	Travel (mm)	Operating Life	Features	Price Each 1	50	100	500	Reel Quantity	Reel Qty. Price Each
688-SKRWAA	SKRWAA	P6	3.7	3.7	0.35	160 g	0.15	500,000	Compact, low profile	.34	.27	.23	.19	10,000	.13
688-SKRKAE	SKRKAE	A1	3.9	2.9	2	160 g	0.13	200,000	Compact, low profile	.83	.64	.58	.48	4,500	.34
688-SKRPAB	SKRPAB	B2	4.2	3.2	2.5	160 g	0.20	100,000	Strong operating force	.41	.38	.35	.31	4,000	.26
688-SKRPAC	SKRPAC	B2	4.2	3.2	2.5	260 g	0.20	50,000	Strong operating force	.41	.38	.35	.31	4,000	.26
688-SKRPAD	SKRPAD	B2	4.2	3.2	2.5	408 g	0.20	100,000	Strong operating force	.52	.47	.43	.38	4,000	.32
688-SKQYAA	SKQYAA	C1	6.1	3.7	2.5	160 g	0.25	50,000	Larger stem face, quicker mounting	.77	.60	.54	.44	3,000	.32
688-SKQYAB	SKQYAB	C1	6.1	3.7	2.5	260 g	0.25	50,000	Larger stem face, quicker mounting	.77	.60	.54	.44	3,000	.32
688-SKQYAF	SKQYAF	C1	6.1	3.7	2.5	320 g	0.25	50,000	Larger stem face, quicker mounting	.77	.60	.54	.44	3,000	.32
688-SKQYPA	SKQYPA	C3	6.1	3.7	2.5	160 g	0.25	50,000	Larger stem face w/ ground terminal	.78	.61	.55	.45	3,000	.33
688-SKQYPB	SKQYPB	C3	6.1	3.7	2.5	260 g	0.25	50,000	Larger stem face w/ ground terminal	.78	.61	.55	.45	3,000	.33
688-SKQYPD	SKQYPD	C3	6.1	3.7	2.5	320 g	0.25	50,000	Larger stem face w/ ground terminal	.78	.61	.55	.45	3,000	.33
688-SKQMBA	SKQMBA	D1	6.0	3.5	4.3	100 g	0.25	50,000	Compact for high density mounting	.65	.51	.46	.37	2,000	.27
688-SKQMAS	SKQMAS	D1	6.0	3.5	4.3	160 g	0.25	50,000	Compact for high density mounting	.65	.51	.46	.37	2,000	.27
688-SKQMAQ	SKQMAQ	D1	6.0	3.5	4.3	260 g	0.25	30,000	Compact for high density mounting	.65	.51	.46	.37	2,000	.27
688-SKQMAT	SKQMAT	D1	6.0	3.5	5.0	100 g	0.25	50,000	Compact for high density mounting	.65	.51	.46	.37	2,000	.27
688-SKQMBB	SKQMBB	D1	6.0	3.5	5.0	160 g	0.25	50,000	Compact for high density mounting	.65	.51	.46	.37	2,000	.27
688-SKQMAR	SKQMAR	D1	6.0	3.5	5.0	260 g	0.25	30,000	Compact for high density mounting	.65	.51	.46	.37	2,000	.27
688-SKRTLA	SKRTLA	E4	4.5	3.55	3.3	160 g	0.20	100,000	Side-actuated, with guide bosses	.78	.60	.54	.45	3,000	.33
688-SKRTLB	SKRTLB	E4	4.5	3.55	3.3	160 g	0.20	100,000	Side-actuated, without guide bosses	.78	.60	.54	.45	3,000	.33
688-SKQTLA	SKQTLA	F1	6.9	3.5	3.4	160 g	0.25	50,000	Side-actuated	.78	.60	.54	.45	3,000	.33
688-SKQTLB	SKQTLB	F1	6.9	3.5	3.4	260 g	0.25	30,000	Side-actuated	.78	.60	.54	.45	3,000	.33
688-SKQLLA	SKQLLA	G5	4.0	7.4	1.8	160 g	0.30	50,000	Side-actuated, with guide bosses	.78	.60	.54	.45	3,000	.33
688-SKQLLC	SKQLLC	G5	4.0	7.4	1.8	220 g	0.30	50,000	Side-actuated, with guide bosses	.78	.60	.54	.45	3,000	.33
688-SKQLLB	SKQLLB	G5	4.0	7.4	1.8	160 g	0.30	50,000	Side-actuated, without guide bosses	.78	.60	.54	.45	3,000	.33
688-SKQLLD	SKQLLD	G5	4.0	7.4	1.8	220 g	0.30	50,000	Side-actuated, without guide bosses	.78	.60	.54	.45	3,000	.33
688-SKRELJ	SKRELJ	H1	3.9	3.55	1.5	160 g	0.20	100,000	Side-actuated, with guide bosses	1.00	.77	.70	.57	5,000	.37
688-SKRELG	SKRELG	H1	3.9	3.55	1.5	220 g	0.20	100,000	Side-actuated, with guide bosses	1.00	.77	.70	.57	5,000	.37
688-SKRELH	SKRELH	H1	3.9	3.55	1.5	160 g	0.20	100,000	Side-actuated, without guide bosses	1.00	.77	.70	.57	5,000	.37
688-SKRELF	SKRELF	H1	3.9	3.55	1.5	220 g	0.20	100,000	Side-actuated, without guide bosses	1.00	.77	.70	.57	5,000	.37
688-SKRMAA	SKRMAA	I2	4.5	4.5	0.4	160 g	0.15	500,000	Dust preventative structure	.30	.24	.21	.17	10,000	.11
688-SKRMAB	SKRMAB	I2	4.5	4.5	0.4	260 g	0.20	100,000	Dust preventative structure	.30	.24	.21	.17	10,000	.11
688-SKQRAA	SKQRAA	J5	4.8	4.8	0.5	160 g	0.20	500,000	Lightweight	.36	.28	.25	.21	10,000	.13
688-SKQRAC	SKQRAC	J5	4.8	4.8	0.5	240 g	0.20	50,000	Lightweight	.36	.28	.25	.21	10,000	.13
688-SKRBAA	SKRBAA	K6	4.8	4.8	0.55	160 g	0.20	500,000	Dust preventative structure	.39	.30	.27	.23	10,000	.14
688-SKRBAC	SKRBAC	K6	4.8	4.8	0.55	260 g	0.20	50,000	Dust preventative structure	.39	.30	.27	.23	10,000	.14
688-SKQGAE	SKQGAE	L2	5.2	5.2	0.8	100 g	0.25	500,000	Low-profile	.69	.54	.48	.40	5,000	.26
688-SKQGAA	SKQGAA	L2	5.2	5.2	0.8	160 g	0.25	500,000	Low-profile	.69	.54	.48	.40	5,000	.26
688-SKQGAC	SKQGAC	L2	5.2	5.2	0.8	260 g	0.25	50,000	Low-profile	.69	.54	.48	.40	5,000	.26
688-SKQGAF	SKQGAF	M2	5.2	5.2	1.5	100 g	0.25	500,000	Low-profile	.71	.55	.50	.41	4,000	.27
688-SKQGAB	SKQGAB	M2	5.2	5.2	1.5	160 g	0.25	500,000	Low-profile	.71	.55	.50	.41	4,000	.27
688-SKQGAD	SKQGAD	M2	5.2	5.2	1.5	260 g	0.25	100,000	Low-profile	.71	.55	.50	.41	4,000	.27
688-SKRNPA	SKRNPA	N7	6.0	6.0	0.9	80g/250g	.25/.40	30,000	Double action; w/o guide bosses	1.00	.77	.70	.57	5,000	.37
688-SKRNPB	SKRNPB	N7	6.0	6.0	0.9	80g/250g	.25/.40	30,000	Double action; w/ guide bosses	1.00	.77	.70	.57	5,000	.37
688-SKRHAB	SKRHAB	O9	7.0	7.35	5.0	125g/240g	.25/.15	200,000	4 directional w/ center push	4.98	3.86	3.49	2.87	1,300	2.24
688-SKRRAA	SKRRAA	P6	7.5	7.0	0.6	100 g	0.25	3,000,000	Long life	.46	.36	.32	.27	7,000	.20
688-SKRRAB	SKRRAB	P6	7.5	7.0	0.6	160 g	0.25	3,000,000	Long life	.46	.36	.32	.27	7,000	.20
688-SKHMPS	SKHMPS	Q8	6.2	6.5	3.1	100 g	0.25	500,000	Good for high density mounting	.65	.51	.46	.37	3,000	.27
688-SKHMPU	SKHMPU	Q8	6.2	6.5	3.1	160 g	0.25	300,000	Good for high density mounting	.65	.51	.46	.37	3,000	.27
688-SKHMPW	SKHMPW	Q8	6.2	6.5	3.1	240 g	0.25	200,000	Good for high density mounting	.65	.51	.46	.37	3,000	.27
688-SKRAAA	SKRAAA	R2	6.2	6.2	3.4	250 g	0.30	100,000	Rubber stem, superb pre-stroke	.77	.60	.54	.44	3,000	.32
688-SKRAAB	SKRAAB	R2	6.2	6.2	3.4	400 g	0.35	100,000	Rubber stem, superb pre-stroke	.77	.60	.54	.44	3,000	.32
688-SKRAAC	SKRAAC	R2	6.2	6.2	5.1	200 g	0.50	100,000	Rubber stem, superb pre-stroke	.79	.61	.55	.46	1,400	.33
688-SKRAAF	SKRAAF	R2	6.2	6.2	5.1	350 g	0.55	100,000	Rubber stem, superb pre-stroke	.79	.61	.55	.46	1,400	.33
688-SKHUAB	SKHUAB	S2	6.2	6.5	2.5	100 g	0.25	300,000	Without ground terminal	.69	.54	.48	.40	3,000	.29
688-SKHUAD	SKHUAD	S2	6.2	6.5	2.5	160 g	0.25	300,000	Without ground terminal	.69	.54	.48	.40	3,000	.29
688-SKHUAF	SKHUAF	S2	6.2	6.5	2.5	260 g	0.25	100,000	Without ground terminal	.69	.54	.48	.40	3,000	.29
688-SKHUPB	SKHUPB	S8	6.2	6.5	2.5	100 g	0.25	300,000	With ground terminal	.72	.56	.51	.42	3,000	.30
688-SKHUPD	SKHUPD	S8	6.2	6.5	2.5	160 g	0.25	300,000	With ground terminal	.72	.56	.51	.42	3,000	.30
688-SKHUPF	SKHUPF	S8	6.2	6.5	2.5	260 g	0.25	100,000	With ground terminal	.72	.56	.51	.42	3,000	.30
688-SKHUBB	SKHUBB	T2	6.2	6.5	3.1	160 g	0.25	50,000	Dust proof	.92	.71	.64	.53	3,000	.38
688-SKHUQB	SKHUQB	T8	6.2	6.5	3.1	160 g	0.25	50,000	Dust proof w/ ground terminal	.99	.77	.69	.57	3,000	.41



ALPS SMD SOFT FEELING TACTILE SWITCHES

• Contact rating: 50mA @ 16VDC max. • Tape and reel packaging • Reflow solderable

For quantities greater than listed, call for a qu

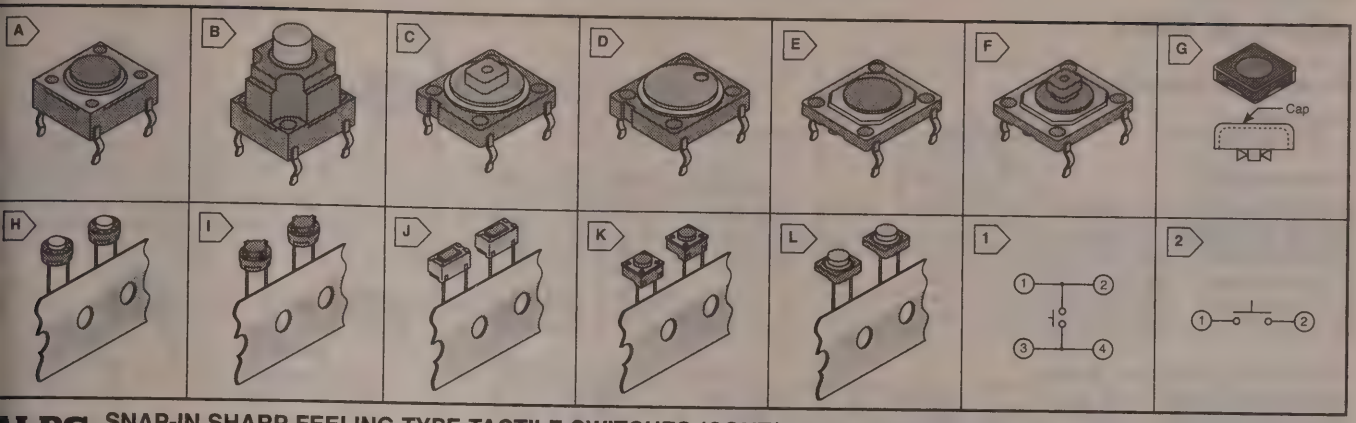
MOUSER STOCK NO.	Alps Part Number	Fig.	Size (mm) L	W	H	Operating Force	Travel (mm)	Operating Life	Features	Price Each 1	50	100	500	Reel Quantity	Reel Qt Price Ea
688-SKPMAM	SKPMAM	A3	5.9	6.0	4.3	160 g	0.7	100,000	Strong OF prevents miss-operations	.76	.59	.53	.44	2,500	.32
688-SKPMAN	SKPMAN	A3	5.9	6.0	5.0	200 g	1.3	100,000	Strong OF prevents miss-operations	.76	.59	.53	.44	2,000	.32
688-SKPMAP	SKPMAP	A3	5.9	6.0	5.0	250 g	1.3	100,000	Strong OF prevents miss-operations	.76	.59	.53	.44	2,000	.32
688-SKPMAQ	SKPMAQ	A3	5.9	6.0	5.0	360 g	1.3	50,000	Strong OF prevents miss-operations	.76	.59	.53	.44	2,000	.32

ALPS SNAP-IN SHARP FEELING TYPE TACTILE SWITCHES

• Contact rating: 50mA @ 12VDC max.

For quantities of 4000 and up, call for a qu

MOUSER STOCK NO.	Alps Part Number	Fig.	Size (mm) L	W	H	Operating Force	Travel (mm)	Operating Life	Features	Price Each 1	50	100	500	1000	20
688-SKHLAA	SKHLAA	B3	6.0	3.5	4.3	100 g	0.25	50,000	High density mounting, Black stem	.48	.37	.34	.28	.22	
688-SKHLAC	SKHLAC	B3	6.0	3.5	4.3	160 g	0.25	50,000	High density mounting, Dark gray stem	.48	.37	.34	.28	.22	
688-SKHLAJ	SKHLAJ	B3	6.0	3.5	4.3	260 g	0.25	30,000	High density mounting, Red stem	.48	.37	.34	.28	.22	
688-SKHLAB	SKHLAB	B3	6.0	3.5	5.0	100 g	0.25	50,000	High density mounting, Black stem	.48	.37	.34	.28	.22	
688-SKHLAD	SKHLAD	B3	6.0	3.5	5.0	160 g	0.25	50,000	High density mounting, Dark gray stem	.48	.37	.34	.28	.22	
688-SKHLAK	SKHLAK	B3	6.0	3.5	5.0	260 g	0.25	30,000	High density mounting, Red stem	.48	.37	.34	.28	.22	
688-SKHLLA	SKHLLA	C3	6.0	3.72	3.5	100 g	0.25	50,000	Terminal length = 3.5mm, Black stem	.48	.37	.34	.28	.22	
688-SKHLLB	SKHLLB	C3	6.0	3.72	3.5	160 g	0.25	50,000	Terminal length = 3.5mm, Dark gray stem	.48	.37	.34	.28	.22	
688-SKHLLF	SKHLLF	C3	6.0	3.72	3.5	260 g	0.25	30,000	Terminal length = 3.5mm, Red stem	.48	.37	.34	.28	.22	
688-SKHLLC	SKHLLC	C3	6.0	3.72	3.5	100 g	0.25	50,000	Terminal length = 2.5mm, Black stem	.48	.37	.34	.28	.22	
688-SKHLLD	SKHLLD	C3	6.0	3.72	3.5	160 g	0.25	50,000	Terminal length = 2.5mm, Dark gray stem	.48	.37	.34	.28	.22	
688-SKHRAA	SKHRAA	D1	4.5	4.5	3.8	100 g	0.25	50,000	High density mounting, Black stem	.54	.43	.40	.34	.28	
688-SKHRAB	SKHRAB	D1	4.5	4.5	3.8	160 g	0.25	30,000	High density mounting, Dark gray stem	.54	.43	.40	.34	.28	
688-SKHRAH	SKHRAH	D1	4.5	4.5	3.8	260 g	0.25	50,000	High density mounting, Red stem	.54	.43	.40	.34	.28	
688-SKHHAJ	SKHHAJ	D1	6.0	6.0	4.3	100 g	0.25	1,000,000	High density mounting, Black stem	.26	.20	.18	.15	.12	
688-SKHHAL	SKHHAL	D1	6.0	6.0	4.3	160 g	0.25	500,000	High density mounting, Dark gray stem	.26	.20	.18	.15	.12	
688-SKHHAQ	SKHHAQ	D1	6.0	6.0	4.3	260 g	0.25	200,000	High density mounting, Red stem	.26	.20	.18	.15	.12	
688-SKHHAK	SKHHAK	D1	6.0	6.0	5.0	100 g	0.25	1,000,000	High density mounting, Black stem	.26	.20	.18	.15	.12	
688-SKHHAM	SKHHAM	D1	6.0	6.0	5.0	160 g	0.25	500,000	High density mounting, Dark gray stem	.26	.20	.18	.15	.12	
688-SKHHAR	SKHHAR	D1	6.0	6.0	5.0	260 g	0.25	200,000	High density mounting, Red stem	.26	.20	.18	.15	.12	
688-SKHHBV	SKHHBV	D1	6.0	6.0	7.0	100 g	0.25	1,000,000	High density mounting, Black stem	.26	.20	.18	.15	.12	
688-SKHHBW	SKHHBW	D1	6.0	6.0	7.0	160 g	0.25	500,000	High density mounting, Dark gray stem	.26	.20	.18	.15	.12	
688-SKHHBY	SKHHBY	D1	6.0	6.0	7.0	260 g	0.25	200,000	High density mounting, Red stem	.26	.20	.18	.15	.12	
688-SKHHAN	SKHHAN	D1	6.0	6.0	9.5	100 g	0.25	1,000,000	High density mounting, Black stem	.26	.20	.18	.15	.12	
688-SKHHAP	SKHHAP	D1	6.0	6.0	9.5	160 g	0.25	500,000	High density mounting, Dark gray stem	.26	.20	.18	.15	.12	
688-SKHHBS	SKHHBS	D1	6.0	6.0	9.5	260 g	0.25	200,000	High density mounting, Red stem	.26	.20	.18	.15	.12	
688-SKHHDT	SKHHDT	D1	6.0	6.0	13.0	100 g	0.25	100,000	High density mounting, Black stem	.56	.44	.39	.32	.25	
688-SKHHDU	SKHHDU	D1	6.0	6.0	13.0	160 g	0.25	500,000	High density mounting, Dark gray stem	.56	.44	.39	.32	.25	
688-SKHHCW	SKHHCW	E1	6.0	6.0	7.3	100 g	0.25	1,000,000	High density mounting, Black joint stem	.36	.27	.25	.21	.18	
688-SKHHPJ	SKHHPJ	F2	6.0	6.0	4.3	100 g	0.25	1,000,000	With ground terminal, Black stem	.26	.20	.18	.15	.12	
688-SKHHPL	SKHHPL	F2	6.0	6.0	4.3	160 g	0.25	500,000	With ground terminal, Dark gray stem	.26	.20	.18	.15	.12	
688-SKHHPQ	SKHHPQ	F2	6.0	6.0	4.3	260 g	0.25	200,000	With ground terminal, Red stem	.26	.20	.18	.15	.12	
688-SKHHPK	SKHHPK	F2	6.0	6.0	5.0	100g	0.25	1,000,000	With ground terminal, Black stem	.26	.20	.18	.15	.12	
688-SKHHPM	SKHHPM	F2	6.0	6.0	5.0	160 g	0.25	500,000	With ground terminal, Dark gray stem	.26	.20	.18	.15	.12	
688-SKHHPR	SKHHPR	F2	6.0	6.0	5.0	260 g	0.25	200,000	With ground terminal, Red stem	.26	.20	.18	.15	.12	
688-SKHHQV	SKHHQV	F2	6.0	6.0	7.0	100 g	0.25	1,000,000	With ground terminal, Black stem	.26	.20	.18	.15	.12	
688-SKHHQW	SKHHQW	F2	6.0	6.0	7.0	160 g	0.25	500,000	With ground terminal, Dark gray stem	.26	.20	.18	.15	.12	
688-SKHHQY	SKHHQY	F2	6.0	6.0	7.0	260g	0.25	2,000,000	With ground terminal, Red stem	.26	.20	.18	.15	.12	
688-SKHHPN	SKHHPN	F2	6.0	6.0	9.5	100 g	0.25	1,000,000	With ground terminal, Black stem	.26	.20	.18	.15	.12	
688-SKHHPP	SKHHPP	F2	6.0	6.0	9.5	160 g	0.25	500,000	With ground terminal, Dark gray stem	.26	.20	.18	.15	.12	
688-SKHHQN	SKHHQN	F2	6.0	6.0	9.5	260 g	0.25	200,000	With ground terminal, Red stem	.26	.20	.18	.15	.12	
688-SKHHLM	SKHHLM	G3	6.0	3.85	6.0	100 g	0.25	1,000,000	High density mounting, Black stem	.30	.24	.21	.17	.14	
688-SKHHLN	SKHHLN	G3	6.0	3.85	6.0	160 g	0.25	500,000	High density mounting, Dark gray stem	.30	.24	.21	.17	.14	
688-SKHHLP	SKHHLP	G3	6.0	3.85	6.0	260 g	0.25	200,000	High density mounting, Red stem	.30	.24	.21	.17	.14	
688-SKHHLU	SKHHLU	G3	6.0	5.85	6.0	100 g	0.25	1,000,000	High density mounting, Black stem	.30	.24	.21	.17	.14	
688-SKHHLV	SKHHLV	G3	6.0	5.85	6.0	160 g	0.25	500,000	High density mounting, Dark gray stem	.30	.24	.21	.17	.14	
688-SKHHLW	SKHHLW	G3	6.0	5.85	6.0	260 g	0.25	200,000	High density mounting, Red stem	.30	.24	.21	.17	.14	
688-SKHHLQ	SKHHLQ	G3	6.0	8.35	6.0	100 g	0.25	1,000,000	High density mounting, Black stem	.30	.24	.21	.17	.14	
688-SKHHLR	SKHHLR	G3	6.0	8.35	6.0	160 g	0.25	500,000	High density mounting, Dark gray stem	.30	.24	.21	.17	.14	
688-SKHHLS	SKHHLS	G3	6.0	8.35	6.0	260 g	0.25	200,000	High density mounting, Red stem	.30	.24	.21	.17	.14	
688-SKHHNH	SKHHNH	G3	6.0	15.85	6.0	100 g	0.25	500,000	High density mounting, Black stem	.60	.47	.42	.35	.27	
688-SKHHNJ	SKHHNJ	G3	6.0	15.85	6.0	160 g	0.25	300,000	High density mounting, Dark gray stem	.60	.47	.42	.35	.27	
688-SKHHNK	SKHHNK	G3	6.0	15.85	6.0	260 g	0.25	200,000	High density mounting, Red stem	.60	.47	.42	.35	.27	
688-SKQJAA	SKQJAA	H1	6.6	6.6	5.0	100 g	0.25	1,000,000	Dust proof, Black stem	.57	.44	.40	.33	.26	
688-SKQJAB	SKQJAB	H1	6.6	6.6	5.0	160 g	0.25	500,000	Dust proof, Gray stem	.57	.44	.40	.33	.26	
688-SKQJAD	SKQJAD	H1	6.6	6.6	7.0	100 g	0.25	1,000,000	Dust proof, Black stem	.57	.44	.40	.33	.26	
688-SKQJAE	SKQJAE	H1	6.6	6.6	7.0	160 g	0.25	500,000	Dust proof, Gray stem	.57	.44	.40	.33	.26	
688-SKQJAJ	SKQJAJ	H1	6.6	6.6	9.5	100 g	0.25	200,000	Dust proof, Black stem	.57	.44	.40	.33	.26	
688-SKQJAK	SKQJAK	H1	6.6	6.6	9.5	160 g	0.25	200,000	Dust proof, Gray stem	.57	.44	.40	.33	.26	
688-SKQJLA	SKQJLA	I2	6.6	3.85	6.6	100 g	0.25	1,000,000	Dust proof, Black stem	1.06	.82	.74	.61	.48	
688-SKQJLB	SKQJLB	I2	6.6	3.85	6.6	160 g	0.25	500,000	Dust proof, Gray stem	1.06	.82	.74	.61	.48	



ALPS SNAP-IN SHARP FEELING TYPE TACTILE SWITCHES (CONT.)

Contact rating: 50mA @ 12VDC max.

For quantities of 2000 and up, call for a quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Size (mm) L	W	H	Operating Force	Travel (mm)	Operating Life	Features	Price Each 1	50	100	500	1000
688-SKQBAK	SKQBAK	A1	10.0	10.0	5.0	160 g	0.3	100,000	Waterproof, Dust proof, Dark gray stem	1.06	.82	.74	.61	.48
688-SKQBAL	SKQBAL	A1	10.0	10.0	5.0	260 g	0.3	100,000	Waterproof, Dust proof, Red stem	1.06	.82	.74	.61	.48
688-SKQBAP	SKQBAP	B1	10.0	10.0	13.0	160 g	0.3	100,000	Waterproof, Dust proof, Dark gray stem	1.06	.82	.74	.61	.48
688-SKQBAJ	SKQBAJ	B1	10.0	10.0	13.0	260 g	0.3	100,000	Waterproof, Dust proof, Red stem	1.06	.82	.74	.61	.48
688-SKHCAA	SKHCAA	C1	12.0	12.0	7.3	130 g	0.3	1,000,000	Joint stem, Black	.66	.51	.46	.38	.30
688-SKHCAB	SKHCAB	D1	12.0	12.0	4.3	130 g	0.3	1,000,000	Flat stem, Black	.66	.51	.46	.38	.30
688-SKQEAB	SKQEAB	E1	12.0	12.0	4.3	160 g	0.3	1,000,000	Dust proof, Dark gray flat stem	1.13	.88	.79	.65	.51
688-SKQEAD	SKQEAD	E1	12.0	12.0	4.3	260 g	0.3	1,000,000	Dust proof, Red flat stem	1.13	.88	.79	.65	.51
688-SKQEAA	SKQEAA	F1	12.0	12.0	7.6	160 g	0.3	1,000,000	Dust proof, Dark gray joint stem	1.13	.88	.79	.65	.51
688-SKQEAC	SKQEAC	F1	12.0	12.0	7.6	260 g	0.3	1,000,000	Dust proof, Red joint stem	1.13	.88	.79	.65	.51

ALPS CAPS AND KEYTOPS

Contact rating: 50mA @ 12VDC max.

For quantities of 2000 and up, call for a quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Size (mm) L	W	H	Features	Price Each 1	50	100	500	1000
688-SK2AA00510	SK2AA00510	G	12.0	12.0	4.0	Clear cap for joint stem type SKHC, SKQE	.42	.38	.35	.31	.29
688-SK2AA00010	SK2AA00010	G	10.0	10.0	3.0	Red keytop for joint stem type SKHC, SKQE	.42	.38	.35	.31	.29
688-SK2AA00020	SK2AA00020	G	10.0	10.0	3.0	Blue keytop for joint stem type SKHC, SKQE	.42	.38	.35	.31	.29
688-SK2AA00030	SK2AA00030	G	10.0	10.0	3.0	Ivory keytop for joint stem type SKHC, SKQE	.42	.38	.35	.31	.29
688-SK2AA00040	SK2AA00040	G	10.0	10.0	3.0	Black keytop for joint stem type SKHC, SKQE	.42	.38	.35	.31	.29
688-SK2AA00050	SK2AA00050	G	10.0	10.0	3.0	Yellow keytop for joint stem type SKHC, SKQE	.42	.38	.35	.31	.29

ALPS SNAP-IN RADIAL TYPE TACTILE SWITCHES ON TAPE AND REEL

Contact rating: 50mA @ 12VDC max.

For quantities greater than listed, call for a quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Size (mm) L	W	H	Operating Force	Travel (mm)	Operating Life	Features	Price Each 1	50	100	500	Reel Quantity	Reel Qty. Price Each
688-SKQNAA	SKQNAA	H2	ø6	---	4.3	100 g	0.25	500,000	Sharp feeling, Black stem	.26	.20	.18	.15	2,000	.11
688-SKQNAB	SKQNAB	H2	ø6	---	4.3	160 g	0.25	500,000	Sharp feeling, White stem	.26	.20	.18	.15	2,000	.11
688-SKQNAC	SKQNAC	H2	ø6	---	4.3	260 g	0.25	200,000	Sharp feeling, Gray stem	.26	.20	.18	.15	2,000	.11
688-SKQNAD	SKQNAD	H2	ø6	---	5	100 g	0.25	500,000	Sharp feeling, Black stem	.26	.20	.18	.15	2,000	.11
688-SKQNAE	SKQNAE	H2	ø6	---	5	160 g	0.25	500,000	Sharp feeling, White stem	.26	.20	.18	.15	2,000	.11
688-SKQNAF	SKQNAF	H2	ø6	---	5	260 g	0.25	200,000	Sharp feeling, Gray stem	.26	.20	.18	.15	2,000	.11
688-SKQNAH	SKQNAH	H2	ø6	---	7	100 g	0.25	500,000	Sharp feeling, Black stem	.26	.20	.18	.15	2,000	.11
688-SKQNAJ	SKQNAJ	H2	ø6	---	7	160 g	0.25	500,000	Sharp feeling, White stem	.26	.20	.18	.15	2,000	.11
688-SKQNAK	SKQNAK	H2	ø6	---	7	260 g	0.25	200,000	Sharp feeling, Gray stem	.26	.20	.18	.15	2,000	.11
688-SKQNAL	SKQNAL	H2	ø6	---	9.5	100 g	0.25	500,000	Sharp feeling, Black stem	.26	.20	.18	.15	2,000	.11
688-SKQNAM	SKQNAM	H2	ø6	---	9.5	160 g	0.25	500,000	Sharp feeling, White stem	.26	.20	.18	.15	2,000	.11
688-SKQNAN	SKQNAN	H2	ø6	---	9.5	260 g	0.25	200,000	Sharp feeling, Gray stem	.26	.20	.18	.15	2,000	.11
688-SKPLAK	SKPLAK	I2	ø6.45	---	5	200 g	1.3	100,000	Soft feeling, Green stem	.76	.59	.53	.44	2,700	.32
688-SKPLAF	SKPLAF	I2	ø6.45	---	5	250 g	1.3	100,000	Soft feeling, Yellow stem	.76	.59	.53	.44	2,700	.32
688-SKQCAA	SKQCAA	J2	6.0	3.5	4.3	100 g	0.25	50,000	Sharp feeling,Black stem	.49	.38	.34	.28	1,500	.20
688-SKQCAB	SKQCAB	J2	6.0	3.5	4.3	160 g	0.25	50,000	Sharp feeling, Dark gray stem	.49	.38	.34	.28	1,500	.20
688-SKQCAC	SKQCAC	J2	6.0	3.5	4.3	260 g	0.25	30,000	Sharp feeling, Red stem	.49	.38	.34	.28	1,500	.20
688-SKQCAD	SKQCAD	J2	6.0	3.5	5	100 g	0.25	50,000	Sharp feeling,Black stem	.49	.38	.34	.28	1,500	.20
688-SKQCAE	SKQCAE	J2	6.0	3.5	5	160 g	0.25	50,000	Sharp feeling, Dark gray stem	.49	.38	.34	.28	1,500	.20
688-SKQCAF	SKQCAF	J2	6.0	3.5	5	260 g	0.25	30,000	Sharp feeling, Red stem	.49	.38	.34	.28	1,500	.20
688-SKHVBA	SKHVBA	K2	6.0	6.0	4.3	100 g	0.25	1,000,000	Sharp feeling,Black stem	.28	.22	.20	.16	1,000	.13
688-SKHVBB	SKHVBB	K2	6.0	6.0	4.3	160 g	0.25	500,000	Sharp feeling, Dark gray stem	.28	.22	.20	.16	1,000	.13
688-SKHVBC	SKHVBC	K2	6.0	6.0	4.3	260 g	0.25	200,000	Sharp feeling, Red stem	.28	.22	.20	.16	1,000	.13
688-SKHVBD	SKHVBD	K2	6.0	6.0	5	100 g	0.25	1,000,000	Sharp feeling,Black stem	.28	.22	.20	.16	1,000	.13
688-SKHVBE	SKHVBE	K2	6.0	6.0	5	160 g	0.25	500,000	Sharp feeling, Dark gray stem	.28	.22	.20	.16	1,000	.13
688-SKHVBF	SKHVBF	K2	6.0	6.0	5	260 g	0.25	200,000	Sharp feeling, Red stem	.28	.22	.20	.16	1,000	.13
688-SKHVBK	SKHVBK	K2	6.0	6.0	7	100 g	0.25	1,000,000	Sharp feeling,Black stem	.28	.22	.20	.16	1,000	.13
688-SKHVBL	SKHVBL	K2	6.0	6.0	7	160 g	0.25	500,000	Sharp feeling, Dark gray stem	.28	.22	.20	.16	1,000	.13
688-SKHVBM	SKHVBM	K2	6.0	6.0	7	260 g	0.25	200,000	Sharp feeling, Red stem	.28	.22	.20	.16	1,000	.13
688-SKHVBG	SKHVBG	K2	6.0	6.0	9.5	100 g	0.25	1,000,000	Sharp feeling,Black stem	.28	.22	.20	.16	1,000	.13
688-SKHVBH	SKHVBH	K2	6.0	6.0	9.5	160 g	0.25	500,000	Sharp feeling, Dark gray stem	.28	.22	.20	.16	1,000	.13
688-SKHVBJ	SKHVBJ	K2	6.0	6.0	9.5	260 g	0.25	200,000	Sharp feeling, Red stem	.28	.22	.20	.16	1,000	.13
688-SKPDAL	SKPDAL	L2	7.8	7.8	5	80 g	1.0	500,000	Soft feeling, Light gray stem	.46	.36	.32	.27	800	.21
688-SKPDAM	SKPDAM	L2	7.8	7.8	5	120 g	1.0	500,000	Soft feeling, Light blue stem	.46	.36	.32	.27	800	.21
688-SKPDAC	SKPDAC	L2	7.8	7.8	5.5	250 g	1.2	100,000	Soft feeling, Blue stem	.56	.44	.39	.32	800	.25

E-SWITCH

E-SWITCH® GS SERIES

Process Sealed Tactile Switches

Specifications:
- Contact rating: 50mA @50VDC
- Contact form: SPST
- Contact resistance: 50m Ω initial

7.2mm-PC Pin

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Ht. Dim "L" (mm)	Operating Force	Price Each 1	10	50	100
612-GS470F130QP	GS4.70F130QP	A	Silver	4.7	130g	.52	.46	.43	.40
612-GS470F300QP	GS4.70F300QP	A	Silver	4.7	300g	.52	.46	.43	.40
612-GS1000F130QP	GS10.00F130QP	A	Silver	10	130g	.52	.46	.43	.40
612-GS1000F300QP	GS10.00F300QP	A	Silver	10	300g	.52	.46	.43	.40

7.2mm-PC Pin with Ground Terminal

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Ht. Dim "L" (mm)	Operating Force	Price Each 1	10	50	100
612-GSE470F130QP	GSE4.70F130QP	A	Silver	4.7	130g	.52	.46	.43	.40
612-GSE1000F130QP	GSE10.00F130QP	A	Silver	10	130g	.52	.46	.43	.40

8.0mm-Right Angle

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Ht. Dim "L" (mm)	Operating Force	Price Each 1	10	50	100
612-GS634F130QR	GSR6.34F130RP	B	Gold	6.34	130g	.78	.72	.62	.59
612-GS854F130QR	GSR8.54F130QP	B	Silver	8.54	130g	.52	.46	.43	.40

E-SWITCH® TL SERIES

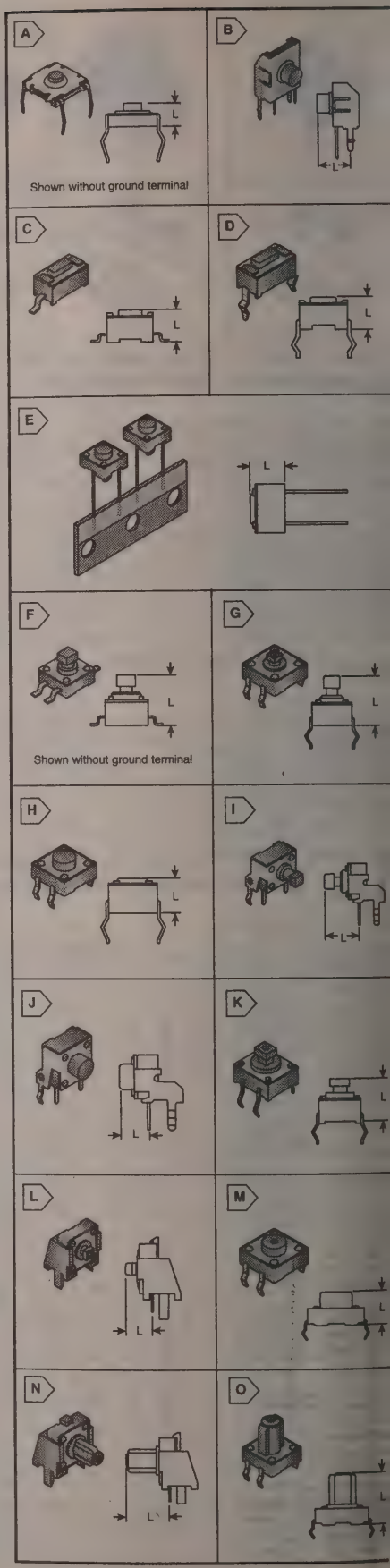
Tactile Switches

Specifications:
- Contact rating: 50mA @12VDC
- Contact resistance: 20m Ω max
- Contact form: SPST

MODEL TL3302

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Ht. Dim "L" (mm)	Operating Force	Price Each 1	10	50	100
6 x 3.5mm SMT Gull Wing									
612-TL3302A	TL3302AF180QG	C	Silver	4.3	180g	.77	.72	.62	.54
612-TL3302A-260	TL3302AF260QG	C	Silver	4.3	260g	.77	.72	.62	.54
6 x 3.5mm Thru-hole									
612-TL1107AF130W	TL1107AF130WQ	D	Silver	4.3	130g	.26	.24	.21	.19
612-TL1107	TL1107AF180WQ	D	Silver	4.3	180g	.26	.24	.21	.19
612-TL1107A-260	TL1107AF260WQ	D	Silver	4.3	260g	.26	.24	.21	.19
612-TL1107BF130W	TL1107BF130WQ	D	Silver	5	130g	.26	.24	.21	.19
612-TL1107BF180W	TL1107BF180WQ	D	Silver	5	180g	.26	.24	.21	.19
6mm Thru-hole, tape and reel packaging									
612-TL59F160Q	TL59FF160Q	E	Silver	7	160g	.20	.18	.16	.15
6mm SMT Gull Wing									
612-TL3301SP	TL3301SPF160QG	F	Silver	2.8	160g	.36	.33	.28	.27
612-TL3301SPF260QG	TL3301SPF260QG	F	Silver	2.8	260g	.36	.33	.28	.27
612-TL3301N	TL3301NF160QG	F	Silver	4.3	160g	.36	.33	.28	.27
6mm Thru-hole									
612-TL1105SPF100Q	TL1105SPF100Q	G	Silver	2.8	100g	.26	.24	.21	.19
612-TL1105SP	TL1105SPF160Q	G	Silver	2.8	160g	.26	.24	.21	.19
612-TL1105SP-250	TL1105SPF250Q	G	Silver	2.8	250g	.26	.24	.21	.19
612-TL1105F160R	TL1105F160R	H	Gold	4.3	160g	.80	.74	.70	.65
612-TL1105EF100Q	TL1105EF100Q	H	Silver	7.3	100g	.14	.13	.11	.10
612-TL1105E-250	TL1105EF250Q	H	Silver	7.3	250g	.26	.24	.21	.19
612-TL1105D-250	TL1105DF250Q	H	Silver	13	250g	.14	.13	.11	.10
612-TL1105LF250Q	TL1105LF250Q	H	Silver	17	250g	.14	.13	.11	.10
6mm Right Angle Thru-hole									
612-TL1105JAF100Q	TL1105JAF100Q	I	Silver	3.8	100g	.36	.33	.28	.27
612-TL1105JA	TL1105JAF160Q	I	Silver	3.8	160g	.36	.33	.28	.27
612-TL1105JA-250	TL1105JAF250Q	I	Silver	3.8	250g	.36	.33	.28	.27
612-TL1105WF100Q	TL1105WF100Q	J	Silver	3.15	100g	.26	.24	.21	.19
612-TL1105W	TL1105WF160Q	J	Silver	3.15	160g	.36	.33	.28	.27
612-TL1105W-250	TL1105WF250Q	J	Silver	3.15	250g	.36	.33	.28	.27
612-TL1105RF100Q	TL1105RF100Q	J	Silver	6.15	100g	.26	.24	.21	.19
612-TL1105R	TL1105RF160Q	J	Silver	6.15	160g	.36	.33	.28	.27
612-TL1105R-250	TL1105RF250Q	J	Silver	6.15	250g	.36	.33	.28	.27
12mm Thru-hole									
612-TL1100	TL1100F160Q	K	Silver	7.3	160g	.42	.40	.35	.31
612-TL1100C	TL1100CF160Q	L	Silver	6.45	160g	.42	.40	.35	.31
612-TL1100E	TL1100EF160Q	M	Silver	7.5	160g	.42	.40	.35	.31
612-TL1100G	TL1100GF160Q	N	Silver	11.2	160g	.80	.75	.65	.57
612-TL1100F	TL1100FF160Q	O	Silver	12	160g	.42	.40	.35	.31



E-Switch

Tactile Switches

MOUSER ELECTRONICS a tti company

ITT / CANNON Tactile Switches

KSA/KSL SERIES: SEALED MINIATURE TACT SWITCHES

Specifications:
Contact form: SPST-NO momentary
Min./Max. voltage: 20mV/50V
Min./Max. switching current: 1mA/50mA
• Contact resistance: 50mΩ
• Silver contacts
• Sealed against flux soldering
• Plastic actuator

For quantities 2,500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	OF (N)	Travel to Make (mm)	Height w/ actuator	Mounting Style	Price Each 1	100	500	1000
611-KSL0M211	KSL0M211	A	1.3	0.3	9.9mm	PCB	.58	.45	.44	.42
611-KSL0M411	KSL0M411	A	3.0	0.4	9.9mm	PCB	.58	.45	.44	.42
611-KSA0V411	KSA0V411	B	3.0	0.4	3.26mm	PCB R/A	.63	.54	.53	.51

KSC SERIES: SEALED MINIATURE SMT TACT SWITCHES

Specifications:
Contact form: SPST-NO momentary
Min./Max. voltage: 20mV/50V
• Min./Max. switching current: 1mA/50mA
• Contact resistance: 100mΩ
• Silver contacts
• Sealed against flux soldering

Lead Type

For quantities 2,500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	OF (N)	Travel to Make (mm)	Height w/ actuator	Price Each 1	100	500	1000
611-KSC351J	KSC351J	D	5.5	0.25	Short, hard plastic	.55	.53	.52	.51
611-KSC421J	KSC421J	E	1.7	0.5	Long, soft silicone	.48	.46	.45	.44

Gullwing Type

For quantities 2,500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	OF (N)	Travel to Make (mm)	Height w/ actuator	Price Each 1	100	500	1000
611-KSC121G	KSC121G	F	1.6	0.25	No actuator	.40	.38	.37	.36
611-KSC351G	KSC351G	G	5.5	0.25	Short, hard plastic	.55	.53	.52	.51
611-KSC421G	KSC421G	H	1.7	0.5	Long, soft silicone	.48	.46	.45	.44
611-KSC441G	KSC441G	H	3.2	0.75	Long, soft silicone	.48	.46	.45	.44

Right Angle

For quantities 2,500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	OF (N)	Travel to Make (mm)	Height w/ actuator	Price Each 1	100	500	1000
611-KSC421V30	KSC421V30	I	1.7	0.5	Long and soft	.90	.81	.72	.63

KSR SERIES: SUBMINIATURE TACT SWITCHES

Specifications:
1 VA max., 50V AC or DC max.
Contact form: SPST-NO momentary
Operating temperatures: -40°C to +85°C (up to +125°C with gold contact)
Silver-plated contacts (gold option available)
• Tin-plated terminals
• Extended life expectancy
• Compatible with reflow-soldering process

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Actuation Style	Contact Type	Mounting Style	Force (N)	Price Each 1	100	500
611-KSR221J	KSR221J	J	Short Silicone	Normally Open	SMT - J	2.0	.45	.40	.39
611-KSR231J	KSR231J	J	Short Silicone	Normally Open	SMT - J	3.0	.45	.40	.39
611-KSR251J	KSR251J	J	Short Silicone	Normally Open	SMT - J	4.5	.45	.40	.39

KST SERIES: SEALED RUBBER SMT TACT SWITCHES

Specifications:
Contact form: SPST-NO momentary
Min./Max. voltage: 20mV/30V
Min./Max. switching current: 1mA/50mA
• Contact resistance: 100mΩ
• Silver contacts
• Flux tight contacts, not washable

For quantities 2,500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	OF (N)	Travel to Make (mm)	Terminal Type	Actuation Type	Price Each 1	100	500	1000
611-KST221J	KST221J	K	2.0	1.3	J leads	Top	.42	.41	.40	.38
611-KST241J	KST241J	K	3.5	1.3	J leads	Top	.44	.43	.42	.40
611-KST241G	KST241G	L	3.5	1.3	G leads	Top	.44	.43	.42	.40

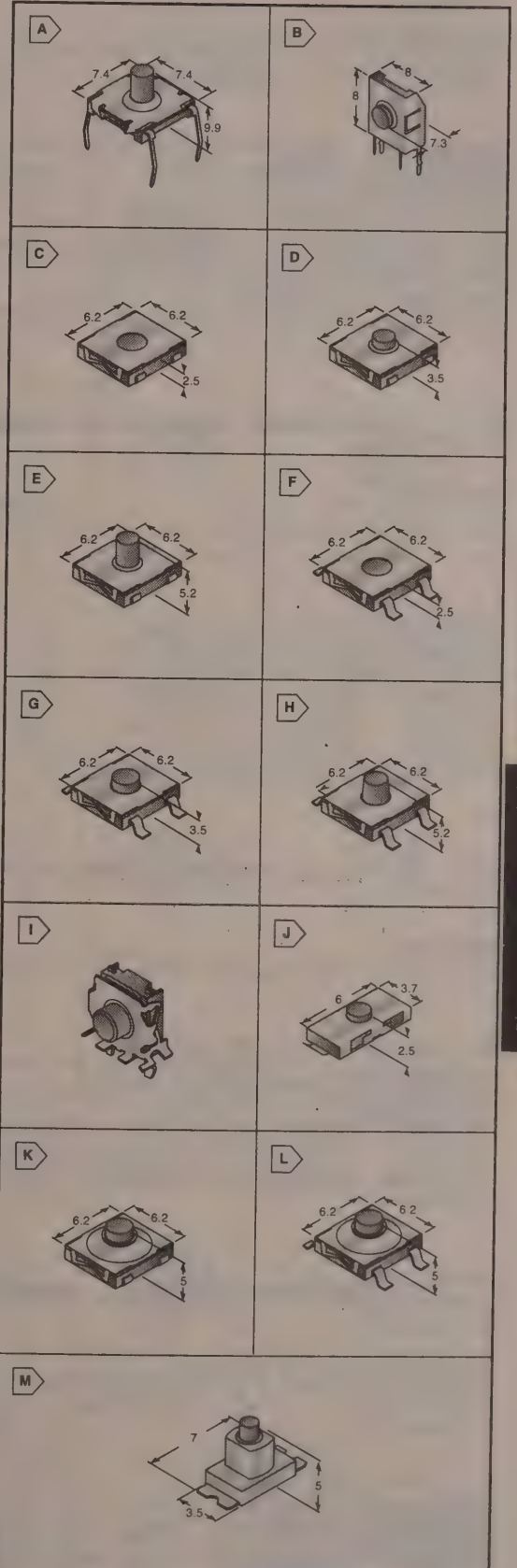
KSU/KSM SERIES: MINIATURE DETECTION TACT SWITCHES

Specifications:
Max. voltage: KSU = 50V; KSM = 24VDC
Min./Max. switching current: 1mA/50mA
• Contact resistance: KSU = 100mΩ; KSM = 200mΩ
• Flux tight contacts, not washable
• Gold plated contacts

For quantities 2,500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	OF (N)	Travel to Make (mm)	Terminal Type	Switch Function	Price Each 1	100	500	1000
611-KSU113W	KSU113W	M	0.7	0.6	G leads	SPST-NO Mom.	.50	.48	.47	.45

DIMENSIONS (mm)



KT SERIES: RIGHT ANGLE SEALED TACT SWITCHES

Specifications:
- 1 VA max, 50V AC or DC max
- SPST N.O. momentary function
- Body size: 6.2 x 6.2 mm
- Compatible with reflow-soldering and aqueous washing processes
- Silver-plated contacts
- Tin-plated terminals
- Operating temperatures -40°C to +85°C

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Actuator Style	Bracket	Mounting Style	OF (N)	Price Each		
							1	100	500
611-KT11P2SAM	KT11P2SAM	A	Short	Basic	SMT R/A	2.0	2.05	1.85	1.64
611-KT11P2SA1M	KT11P2SA1M	A	Short	High shear force	SMT R/A	2.0	2.05	1.85	1.64
611-KT11P2SA2M	KT11P2SA2M	A	Short	Large flap top + high shear force	SMT R/A	2.0	2.05	1.85	1.64
611-KT11P3SA1M	KT11P3SA1M	A	Medium	High shear force	SMT R/A	2.0	2.05	1.85	1.64
611-KT11P4SAM	KT11P4SAM	A	Long	Basic	SMT R/A	2.0	2.05	1.85	1.64
611-KT11P4SA1M	KT11P4SA1M	A	Long	High shear force	SMT R/A	2.0	2.05	1.85	1.64
611-KT11P4SA2M	KT11P4SA2M	A	Long	Large flap top + high shear force	SMT R/A	2.0	2.22	2.00	1.78

KSS SERIES: SUBMINIATURE SIDE ACTUATED TACT SWITCHES

Specifications:
- 1 VA max, 50V AC or DC max
- SPST N.O. momentary function
- Operating temperatures -40°C to +85°C (up to +125°C with gold contact)
- Silver-plated contacts (gold option available)
- Tin-plated terminals
- Extended life expectancy
- Compatible with reflow-soldering process

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Actuation Style	OF (N)	Contact Plating	Mounting Style	Price Each		
							1	100	500
611-KSS221G	KSS221G	B	Short Plastic	2.0	Silver	SMT - G	.40	.36	.35
611-KSS231G	KSS231G	B	Short Plastic	2.5	Silver	SMT - G	.40	.36	.35
611-KSS223G	KSS223G	B	Short Plastic	2.0	Gold	SMT - G	.62	.56	.50
611-KSS321G	KSS321G	B	Large actuator	2.0	Silver	SMT - G	.38	.34	.30
611-KSS331G	KSS331G	B	Large actuator	2.5	Silver	SMT - G	.38	.34	.30
611-KSS333G	KSS333G	B	Large actuator	2.5	Gold	SMT - G	.52	.47	.42

TPA AND TPC SERIES: NAVIGATION SWITCHES

Specifications:
- 1 VA max, 50V AC or DC max
- Multi-directional switches, N.O. momentary function
- Operating temperatures -40°C to +85°C (up to +125°C with gold contact)
- Silver-plated contacts (gold option available)
- Extended life expectancy
- Compatible with reflow-soldering process

Scroll-Select SMT Navigation Switches

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Switch Style/Description	Force Scroll (N)	Force Select (N)	Price Each		
						1	100	500
611-TPA511G	TPA511G	C	5-way Front Nav, 4 directions with selection	1.8	4.0	2.18	1.97	1.75
✻611-TPA413G	TPA413G	C	4-way Front Nav, 4 directions without selection	1.8	—	2.02	1.82	1.62
611-TPA311G	TPA311G	C	3-way Front Nav, 2 directions with selection	1.8	4.0	2.18	1.97	1.75
611-TPC1133G	TPC1133G	D	3-way Side Nav	1.0	2.2	2.00	1.80	1.60

✻ Gold plated contacts

NAVIGATION TRACKBALL: MINIATURE ALL DIRECTION SCANNING SWITCH

Features/Benefits:
- 8mm ball ergonomic design allows ease of use in all directions
- Positive tactile feedback
- ESD protected

Specifications:
- Function: All-direction scanning + select
- Contact Type: normally open
- Terminals: Flex with 11 terminals

Typical Applications:
- Keyboards, notebooks, PC mouse
- Navigation systems mobile phones
- Cameras, camcorders, PDA's

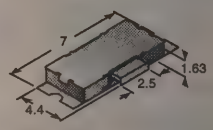
For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Number of Pulse	Color of Ball	Dome Force	Price Each			
						1	25	50	100
611-TBWB2A00	TBWB2A00	E	12	White	2.2N ± 25%	5.46	4.36	3.46	2.73

DIMENSIONS (mm)

A

B



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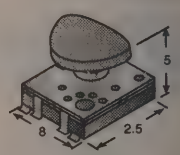
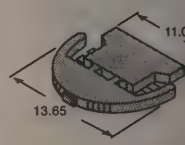


Button Sold Seperately

D



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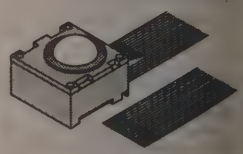


MOUNTAIN SWITCH Surface Mount Tactile Switches

Mountain Switch

S SERIES - TACTILE SWITCHES

7x6 SMT Tactile Switch

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Dimensions (mm) L	W	H	Operating Force (gf)	Price Each 1	10	100	500
01-TS3724T1600	TS3724T1600	A	6.0	3.7	2.5	160gf	.69	.54	.44	.37

tra Thin Side Actuated Tactile Switches

For quantities of 1000 and up, call for quote.

01-TS3923R1600	TS3923R1600	B	7.0	3.5	3.5	160gf	.49	.45	.36	.31
01-TS3923R2600	TS3923R2600	B	7.0	3.5	3.5	260gf	.49	.45	.36	.31

5x6 SMT Tactile Switches

For quantities of 1000 and up, call for quote.

01-TS4322T1601	TS4322T1601	C	6.0	3.5	4.3	160gf	.66	.53	.45	.41
01-TS4322T2601	TS4322T2601	C	6.0	3.5	4.3	260gf	.66	.53	.45	.41
01-TS4322T3201	TS4322T3201	C	6.0	3.5	4.3	320gf	.66	.53	.45	.41
01-TS4322T5201	TS4322T5201	C	6.0	3.5	4.3	520gf	.66	.53	.45	.41
01-TS4322T1602	TS4322T1602	C	6.0	3.5	5.0	160gf	.66	.53	.45	.41
01-TS4322T2602	TS4322T2602	C	6.0	3.5	5.0	260gf	.66	.53	.45	.41
01-TS4322T3202	TS4322T3202	C	6.0	3.5	5.0	320gf	.66	.53	.45	.41
01-TS4322T5202	TS4322T5202	C	6.0	3.5	5.0	520gf	.66	.53	.45	.41

5 Thin SMT Tactile Switches

For quantities of 1000 and up, call for quote.

01-TS4522T1601	TS4522T1601	D	5.2	5.2	0.8	160gf	.63	.56	.44	.36
01-TS4522T2601	TS4522T2601	D	5.2	5.2	0.8	260gf	.63	.56	.44	.36
01-TS4522T1602	TS4522T1602	E	5.2	5.2	1.5	160gf	.63	.56	.44	.36
01-TS4522T2602	TS4522T2602	E	5.2	5.2	1.5	260gf	.63	.56	.44	.36

le Actuated SMT Tactile Switches

For quantities of 1000 and up, call for quote.

01-TS4722R2200	TS4722R2200	F	3.9	1.5	3.5	220gf	.64	.55	.49	.44
01-TS4922R2600	TS4922R2600	F	4.7	1.7	4.5	260gf	.36	.34	.31	.27

niature SMT Tactile Switches

For quantities of 1000 and up, call for quote.

01-TS5022T1601	TS5022T1601	G	4.7	3.5	2.1	160gf	.36	.34	.31	.27
01-TS5022T1602	TS5022T1602	G	4.7	3.5	2.5	160gf	.36	.34	.31	.27

ght Angle SMT Tactile Switches

For quantities of 1000 and up, call for quote.

01-TS4122R1601	TS4122R1601	B	6.0	4.5	3.5	160gf	.69	.54	.48	.42
01-TS4122R3201	TS4122R3201	B	6.0	4.5	3.5	320gf	.69	.54	.48	.42
01-TS4122R1602	TS4122R1602	B	6.0	4.5	4.2	160gf	.69	.54	.48	.42
01-TS4122R3202	TS4122R3202	B	6.0	4.5	4.2	320gf	.69	.54	.48	.42
01-TS5722R1801	TS5722R1801	H	6.1	6.1	3.0	180gf	1.60	1.49	1.39	1.29
01-TS5722R1802	TS5722R1802	H	6.1	6.1	3.8	180gf	1.60	1.49	1.39	1.29
01-TS5722R1803	TS5722R1803	H	6.1	6.1	4.0	180gf	1.60	1.49	1.39	1.29
01-TS5722R1804	TS5722R1804	H	6.1	6.1	5.3	180gf	1.60	1.49	1.39	1.29
01-TS5722R2601	TS5722R2601	H	6.1	6.1	3.0	260gf	1.60	1.49	1.39	1.29
01-TS5722R2602	TS5722R2602	H	6.1	6.1	3.8	260gf	1.60	1.49	1.39	1.29
01-TS5722R2603	TS5722R2603	H	6.1	6.1	4.0	260gf	1.60	1.49	1.39	1.29
01-TS5722R2604	TS5722R2604	H	6.1	6.1	5.3	260gf	1.60	1.49	1.39	1.29

Thin F-Type SMT Tactile Switches

For quantities of 1000 and up, call for quote.

01-TS5922T1002	TS5922T1002	I	6.4	6.2	2.5	100gf	.36	.33	.31	.29
01-TS5922T1602	TS5922T1602	I	6.4	6.2	2.5	160gf	.36	.33	.31	.29
01-TS5922T2602	TS5922T2602	I	6.4	6.2	2.5	260gf	.36	.33	.31	.29
01-TS5922T3202	TS5922T3202	I	6.4	6.2	2.5	320gf	.36	.33	.31	.29
01-TS5922T5202	TS5922T5202	I	6.4	6.2	2.5	520gf	.36	.33	.31	.29

uble Action SMT Tactile Switches

For quantities of 1000 and up, call for quote.

01-TS5322T100-2600	TS5322T100-2600	I	6.4	6.4	1.5	100/260gf	.71	.62	.51	.46

SMT Tactile Switches

For quantities of 1000 and up, call for quote.

01-TS6324T1605BC	TS6324T1605BC	K	6.2	6.2	7.3	160gf	.26	.23	.20	.17
01-TS6324T1607	TS6324T1607	J	6.2	6.2	13.0	160gf	.26	.23	.20	.17

12 SMT Tactile Switches

For quantities of 1000 and up, call for quote.

01-TS6424T2601	TS6424T2601	J	12.0	12.0	4.3	260gf	.76	.69	.62	.56
01-TS6424T3201	TS6424T3201	J	12.0	12.0	4.3	320gf	.76	.69	.62	.56
01-TS6424T2602AC	TS6424T2602AC	K	12.0	12.0	7.3	260gf	.76	.69	.62	.56
01-TS6424T3202AC	TS6424T3202AC	K	12.0	12.0	7.3	320gf	.76	.69	.62	.56
01-TS6424T1603	TS6424T1603	J	12.0	12.0	8.5	160gf	.75	.69	.62	.56
01-TS6424T2603	TS6424T2603	J	12.0	12.0	8.5	260gf	.76	.69	.62	.56
01-TS6424T3203	TS6424T3203	J	12.0	12.0	8.5	320gf	.76	.69	.62	.56

Washable SMT Tactile Switches

For quantities of 1000 and up, call for quote.

01-TS6824T1601	TS6824T1601	L	6.3	6.2	2.3	160gf	.51	.46	.40	.34
01-TS6824T1803	TS6824T1803	L	6.3	6.2	3.5	180gf	.51	.46	.40	.34
01-TS6824T2603	TS6824T2603	L	6.3	6.2	3.5	260gf	.51	.46	.40	.34
01-TS6824T2604	TS6824T2604	L	6.3	6.2	3.8	260gf	.51	.46	.40	.34
01-TS6824T3604	TS6824T3604	L	6.3	6.2	3.8	360gf	.51	.46	.40	.34
01-TS6824T1805	TS6824T1805	L	6.3	6.2	5.2	180gf	.51	.46	.40	.34
01-TS6824T2605	TS6824T2605	L	6.3	6.2	5.2	260gf	.51	.46	.40	.34
01-TS6824T3605	TS6824T3605	L	6.3	6.2	5.2	360gf	.51	.46	.40	.34

Washable J-Type SMT Tactile Switches

For quantities of 1000 and up, call for quote.

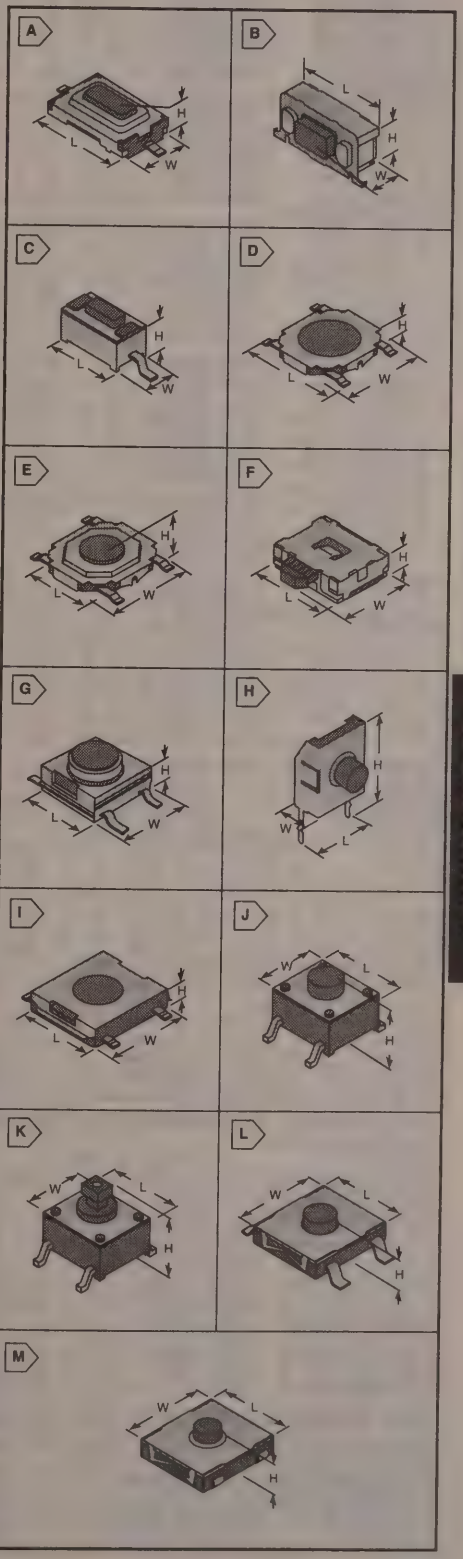
01-TS6923T1601	TS6923T1601	M	6.3	6.2	2.3	160gf	.51	.46	.40	.34
01-TS6923T1803	TS6923T1803	M	6.3	6.2	3.5	180gf	.51	.46	.40	.34
01-TS6923T2603	TS6923T2603	M	6.3	6.2	3.5	260gf	.51	.46	.40	.34
01-TS6923T2604	TS6923T2604	M	6.3	6.2	3.8	260gf	.51	.46	.40	.34
01-TS6923T3604	TS6923T3604	M	6.3	6.2	3.8	360gf	.51	.46	.40	.34
01-TS6923T1805	TS6923T1805	M	6.3	6.2	5.2	180gf	.51	.46	.40	.34
01-TS6923T2605	TS6923T2605	M	6.3	6.2	5.2	260gf	.51	.46	.40	.34
01-TS6923T3605	TS6923T3605	M	6.3	6.2	5.2	360gf	.51	.46	.40	.34

Electrical Specifications

- Rating: 50mA / 12VDC
- Contact resistance: 100MΩ max.
- Insulation resistance: 100MΩ min. / 500VDC
- Dielectric strength: 250VAC / minute

Mechanical Specifications

- Operational temp.: -25°C to +70°C
- Storage temp.: -30°C to +80°C



TS SERIES - TACTILE SWITCHES

Electrical Specifications:
• Rating: 50mA/12VDC • Contact Resistance: 100mΩ max. • Dielectric Strength: 250VAC / minute

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Dimensions (mm) L	W	H	Operating Force (gf)	Price Each 1	10	100	500
3.5x6 Tactile Switches										
101-TS4311T1601	TS4311T1601	A	6.0	3.5	4.3	160gf	.23	.21	.17	.15
101-TS4311T2601	TS4311T2601	A	6.0	3.5	4.3	260gf	.23	.21	.17	.15
101-TS4311T3201	TS4311T3201	A	6.0	3.5	4.3	320gf	.23	.21	.17	.15
101-TS4311T5201	TS4311T5201	A	6.0	3.5	4.3	520gf	.23	.21	.17	.15
101-TS4311T1602	TS4311T1602	A	6.0	3.5	5.0	160gf	.23	.21	.17	.15
101-TS4311T2602	TS4311T2602	A	6.0	3.5	5.0	260gf	.23	.21	.17	.15
101-TS4311T3202	TS4311T3202	A	6.0	3.5	5.0	320gf	.23	.21	.17	.15
101-TS4311T5202	TS4311T5202	A	6.0	3.5	5.0	520gf	.23	.21	.17	.15
6x6 Tactile Switches										
101-TS6111T1601	TS6111T1601	B	6.2	6.2	4.3	160gf	.13	.11	.10	.08
101-TS6111T1602	TS6111T1602	B	6.2	6.2	5.0	160gf	.13	.11	.10	.08
101-TS6111T1603	TS6111T1603	B	6.2	6.2	7.0	160gf	.14	.12	.10	.09
101-TS6111T1605BC	TS6111T1605BC	C	6.2	6.2	7.3	160gf	.20	.17	.12	.11
101-TS6111T1606	TS6111T1606	B	6.2	6.2	9.5	160gf	.20	.17	.12	.11
101-TS6111T1607	TS6111T1607	B	6.2	6.2	13.0	160gf	.21	.18	.13	.12
12x12 Tactile Switches										
101-TS6211T2601	TS6211T2601	B	12.0	12.0	4.3	260gf	.34	.29	.20	.18
101-TS6211T3201	TS6211T3201	B	12.0	12.0	4.3	320gf	.34	.29	.20	.18
101-TS6211T2602AC	TS6211T2602AC	C	12.0	12.0	7.3	260gf	.36	.30	.21	.19
101-TS6211T3202AC	TS6211T3202AC	C	12.0	12.0	7.3	320gf	.36	.30	.21	.19
101-TS6211T1603	TS6211T1603	B	12.0	12.0	8.5	160gf	.36	.30	.21	.19
101-TS6211T2603	TS6211T2603	B	12.0	12.0	8.5	260gf	.38	.32	.23	.21
101-TS6211T3203	TS6211T3203	B	12.0	12.0	8.5	320gf	.38	.32	.23	.21
Right Angle Tactile Switches										
101-TS6511R1601	TS6511R1601	D	6.2	6.2	3.1	160gf	.26	.23	.19	.16
101-TS6511R1602	TS6511R1602	D	6.2	6.2	3.8	160gf	.26	.23	.19	.16
101-TS6511R1603	TS6511R1603	D	6.2	6.2	5.8	160gf	.26	.23	.19	.16
101-TS6511R1604BC	TS6511R1604BC	E	6.2	6.2	6.1	160gf	.27	.24	.20	.17
101-TS6511R1605BC	TS6511R1605BC	E	6.2	6.2	6.1	160gf	.27	.24	.20	.17
101-TS6511R1606	TS6511R1606	D	6.2	6.2	8.3	160gf	.27	.24	.20	.17
101-TS6511R1607	TS6511R1607	D	6.2	6.2	11.8	160gf	.27	.24	.20	.17
6x6 Washable Tactile Switches										
101-TS6711T1602	TS6711T1602	F	6.3	6.2	3.1	160gf	.51	.46	.40	.34
101-TS6711T1803	TS6711T1803	F	6.3	6.2	3.5	180gf	.51	.46	.40	.34
101-TS6711T2603	TS6711T2603	F	6.3	6.2	3.5	260gf	.51	.46	.40	.34
101-TS6711T2604	TS6711T2604	F	6.3	6.2	3.8	260gf	.51	.46	.40	.34
101-TS6711T2605	TS6711T2605	F	6.3	6.2	5.2	260gf	.51	.46	.40	.34
101-TS6711T3605	TS6711T3605	F	6.3	6.2	5.2	360g	.51	.46	.40	.34
6x6 Radial Leaded Tactile Switches										
101-TS7311T1601	TS7311T1601	G	6.2	6.2	4.3	160gf	.18	.16	.14	.13
101-TS7311T1602	TS7311T1602	G	6.2	6.2	5.0	160gf	.18	.16	.14	.13
101-TS7311T1603	TS7311T1603	G	6.2	6.2	7.0	160gf	.18	.16	.14	.13
101-TS7311T1604BC	TS7311T1604BC	G	6.2	6.2	7.3	160gf	.18	.16	.14	.13
101-TS7311T1605BC	TS7311T1605BC	G	6.2	6.2	7.3	160gf	.18	.16	.14	.13
101-TS7311T1606	TS7311T1606	G	6.2	6.2	9.0	160gf	.18	.16	.14	.13
101-TS7311T1607	TS7311T1607	G	6.2	6.2	13.0	160gf	.18	.16	.14	.13

TS SERIES TACTILE SWITCH CAPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shape	MOUSER STOCK NO.	Fig.	Shape	Color	Price Each 1	10	100	500
For TS Series Tactile Switch P/N's Ending in "AC"										
101-0210	H	Square	101-0110	I	Round	Black	.15	.13	.12	.10
101-0212	H	Square	101-0112	I	Round	Red	.15	.13	.12	.10
101-0214	H	Square	-------	---	------	Yellow	.15	.13	.12	.10
101-0215	H	Square	101-0115	I	Round	Green	.15	.13	.12	.10
101-0216	H	Square	101-0116	I	Round	Blue	.15	.13	.12	.10
101-0219	H	Square	101-0119	I	Round	Ivory	.15	.13	.12	.10
For TS Series Tactile Switch P/N's Ending in "BC"										
101-0100	J	Square	101-0200	K	Round	Black	.12	.11	.09	.08
101-0102	J	Square	101-0202	K	Round	Red	.12	.11	.09	.08
101-0104	J	Square	101-0204	K	Round	Yellow	.12	.11	.09	.08
101-0105	J	Square	101-0205	K	Round	Green	.12	.11	.09	.08
101-0106	J	Square	101-0206	K	Round	Blue	.12	.11	.09	.08
101-0109	J	Square	101-0209	K	Round	Ivory	.12	.11	.09	.08

TS55 SERIES - ILLUMINATED TACTILE SWITCHES

Electrical Specifications:
• Rating: 50mA/12VDC • Contact Resistance: 100mΩ max. • Dielectric Strength: 250VAC / minute

For quantities of 1000 and up, call for quote.

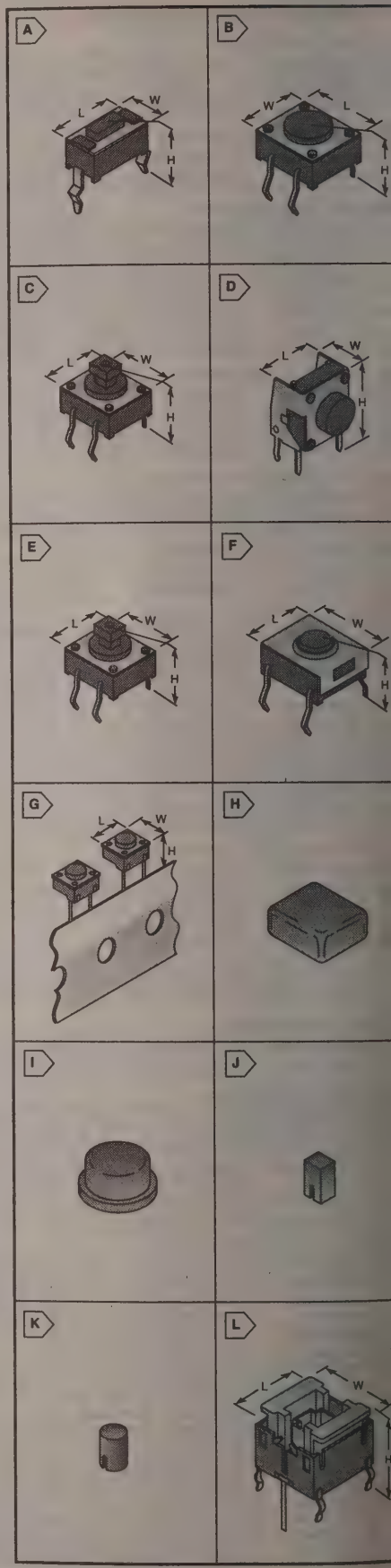
MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Dimensions (mm) L	W	H	Color	Operating Force (gf)	Price Each 1	10	100	500
101-TS5511T16002R	TS5511T16002R	L	6.1	6.1	7.0	Red	160gf	1.99	1.79	1.39	1.25
101-TS5511T16002Y	TS5511T16002Y	L	6.1	6.1	7.0	Yellow	160gf	1.99	1.79	1.39	1.25
101-TS5511T16002G	TS5511T16002G	L	6.1	6.1	7.0	Green	160gf	1.99	1.79	1.39	1.25
101-TS5511T16002B	TS5511T16002B	L	6.1	6.1	7.0	Blue	160gf	2.25	2.05	1.79	1.61
101-TS5511T16001W	TS5511T16001W	L	6.1	6.1	7.0	White	260gf	2.96	2.67	2.37	2.13
101-TS5511T26002R	TS5511T26002R	L	6.1	6.1	7.0	Red	260gf	1.99	1.79	1.39	1.25
101-TS5511T26002Y	TS5511T26002Y	L	6.1	6.1	7.0	Yellow	260gf	1.99	1.79	1.39	1.25
101-TS5511T26002G	TS5511T26002G	L	6.1	6.1	7.0	Green	260gf	1.99	1.79	1.39	1.25
101-TS5511T26002B	TS5511T26002B	L	6.1	6.1	7.0	Blue	260gf	2.25	2.05	1.79	1.61
101-TS5511T26001W	TS5511T26001W	L	6.1	6.1	7.0	White	260gf	2.96	2.67	2.37	2.13

TS55 SERIES ILLUMINATED TACTILE SWITCH CAPS

Replace the blank in the Mouser Stock No. with: **YEL** for **Yellow**, **BLU** for **Blue**, **RED** for **Red**, **IVY** for **Ivory**, **BLK** for **Black**, **GRN** for **Green**, **SMN** for **Salmon**.

For quantities of 1000 and up, call for quote.

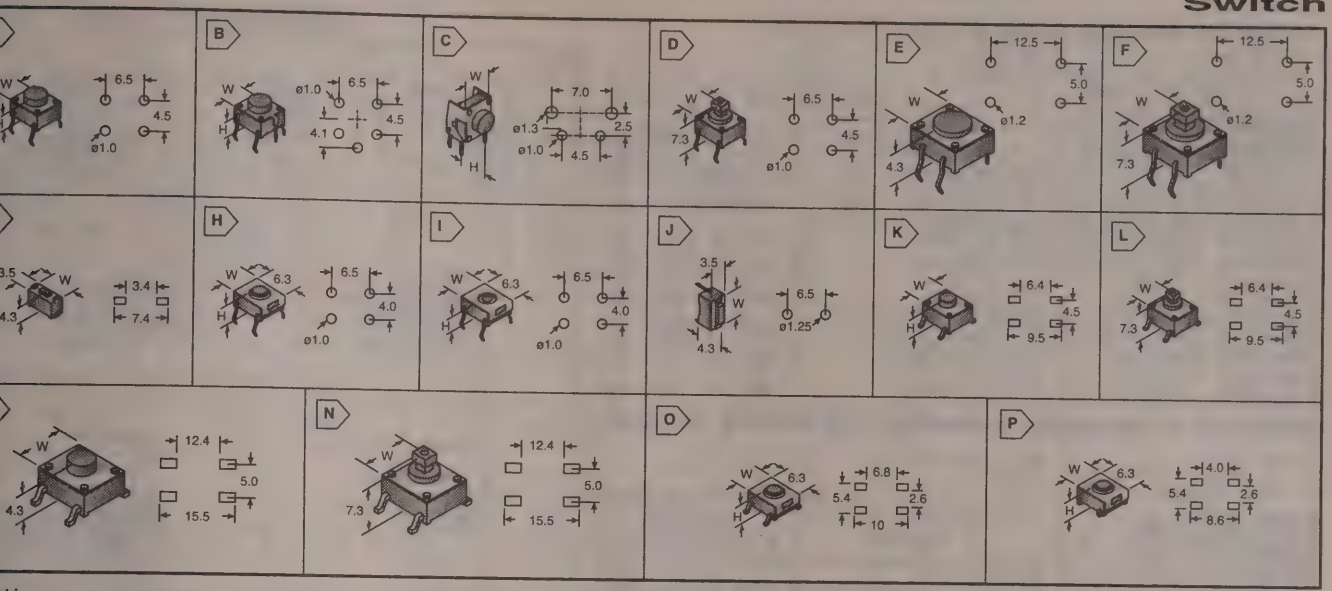
MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Shape	General Tolerances	Price Each 1	10	100	500
101-TS55KCR-___	TS55KCR-(COLOR)	I	Round	±0.3mm	.50	.45	.39	.35
101-TS55KCS-___	TS55KCS-(COLOR)	H	Square	±0.3mm	.50	.45	.39	.35



MOUSER ELECTRONICS a tti company

MOUNTAIN SWITCH Tactile Switches and Caps

Mountain Switch



TACTILE SWITCH THRU-HOLE TYPE

Features:

- Available sharp click feel with a positive tactile feedback. Due to small movement distance (stroke), user experiences distinct sensation when the switch "clicks" into place.
- Ultraminiature and light weight structure suitable for high density mounting.
- Insert molding in the contact with special treatment prevents flux build-up during soldering and permits auto-dipping.
- The washable type switches are designed to allow submersed washing after soldering

Standard

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (mm) H	Dimensions (mm) W	Operating Force (gf)	Price Each 1	10	100	500	1000
-0161	A	4.3	6.0	130	.20	.17	.15	.14	.11
-0261	A	5.0	6.0	130	.20	.17	.15	.14	.11
-0361	A	7.0	6.0	130	.21	.17	.16	.15	.12
-0461	A	9.5	6.0	130	.21	.18	.16	.15	.12
-0162	B	4.3	6.0	130	.21	.18	.16	.15	.12
-0262	B	5.0	6.0	130	.21	.18	.16	.15	.12
-0362	B	7.0	6.0	130	.24	.20	.18	.17	.14
-0462	B	9.5	6.0	130	.24	.20	.18	.17	.14
-0163	C	3.1	6.2	130	.31	.26	.23	.21	.17
-0263	C	3.8	6.2	130	.31	.26	.23	.21	.17
-0363	C	5.8	6.2	130	.32	.27	.24	.22	.18
-0463	C	8.3	6.2	130	.31	.26	.23	.21	.17
-0661	D	7.3	6.0	160	.20	.17	.12	.11	.10
-0121	E	4.3	12.0	160	.34	.29	.20	.18	.17
-0621	F	7.3	12.0	160	.36	.30	.21	.19	.18
-0131	J	4.3	6.0	160	.20	.19	.17	.15	.13

r caps A & B below for switches 101-0621 and 101-0624.
r caps C & D below for switches 101-0661 and 101-0664.

Washable

For quantities of 5000 and up, call for quote.

MOUSER TOCK NO.	Fig.	Dimensions (mm) H	Dimensions (mm) W	Operating Force (gf)	Price Each 1	10	100	500	1000
0165	I	2.3	6.3	160	.50	.44	.39	.33	.30
0365	H	3.8	6.3	160	.50	.44	.39	.33	.30

TACTILE SWITCH SMT TYPE

Features:

- Available sharp click feel with a positive tactile feedback. Due to small movement distance (stroke), user experiences distinct sensation when the switch "clicks" into place.
- Ultraminiature and light weight structure suitable for high density mounting.
- Insert molding in the contact with special treatment prevents flux build-up during soldering and permits auto-dipping.
- The washable type switches are designed to allow submersed washing after soldering

Non-Waterproof Gull Wing

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (mm) H	Dimensions (mm) W	Operating Force (gf)	Price Each 1	10	100	500	1000
101-0134	G	4.3	6.0	160	.27	.24	.21	.18	.16
101-0164	K	4.3	6.0	160	.22	.20	.17	.15	.14
101-0264	K	5.0	6.0	160	.22	.20	.17	.15	.14
101-0364	K	7.0	6.0	160	.24	.21	.19	.16	.15
101-0464	K	9.5	6.0	160	.26	.23	.20	.17	.16
†101-0664	L	7.3	6.0	160	.26	.23	.20	.17	.16
101-0124	M	4.3	12.0	160	.31	.27	.24	.20	.18
*101-0624	N	7.3	12.0	160	.31	.27	.24	.20	.18

* Order caps A & B below for switches 101-0621 and 101-0624.
† Order caps C & D below for switches 101-0661 and 101-0664.

Washable Gull Wing

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (mm) H	Dimensions (mm) W	Operating Force (gf)	Price Each 1	10	100	500	1000
101-0266	O	3.1	6.3	160	.51	.46	.40	.34	.31
101-0366	O	3.8	6.3	160	.51	.46	.40	.34	.31

Washable "J" Wing

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (mm) H	Dimensions (mm) W	Operating Force (gf)	Price Each 1	10	100	500	1000
101-0267	P	3.1	6.3	160	.51	.46	.40	.34	.31
101-0367	P	3.8	6.3	160	.51	.46	.40	.34	.31

TACTILE SWITCH CAPS

Caps A & B are used with switches 101-0621 and 101-0624, caps C & D are used with switches 101-0661 and 101-0664.

For quantities of 5000 and up, call for quote.

MOUSER TOCK NO.	Fig.	Shape	Color	Fits Size (mm sq.)	Price Each 1	10	100	500	1000
0116	A	Square	Blue	12.0	.15	.13	.12	.10	.09
0115	A	Square	Green	12.0	.15	.13	.12	.10	.09
0110	A	Square	Black	12.0	.15	.13	.12	.10	.09
0119	A	Square	Ivory	12.0	.15	.13	.12	.10	.09
0112	A	Square	Red	12.0	.15	.13	.12	.10	.09
0216	B	Round	Blue	12.0	.15	.13	.12	.10	.09
0215	B	Round	Green	12.0	.15	.13	.12	.10	.09
0210	B	Round	Black	12.0	.15	.13	.12	.10	.09
0219	B	Round	Ivory	12.0	.15	.13	.12	.10	.09
0212	B	Round	Red	12.0	.15	.13	.12	.10	.09
0214	B	Round	Yellow	12.0	.15	.13	.12	.10	.09
0106	C	Square	Blue	6.0	.15	.13	.12	.10	.09

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shape	Color	Fits Size (mm sq.)	Price Each 1	10	100	500	1000
101-0105	C	Square	Green	6.0	.12	.11	.09	.08	.07
101-0100	C	Square	Black	6.0	.12	.11	.09	.08	.07
101-0109	C	Square	Ivory	6.0	.12	.11	.09	.08	.07
101-0102	C	Square	Red	6.0	.12	.11	.09	.08	.07
101-0104	C	Square	Yellow	6.0	.12	.11	.09	.08	.07
101-0206	D	Round	Blue	6.0	.12	.11	.09	.08	.07
101-0205	D	Round	Green	6.0	.12	.11	.09	.08	.07
101-0200	D	Round	Black	6.0	.12	.11	.09	.08	.07
101-0209	D	Round	Ivory	6.0	.12	.11	.09	.08	.07
101-0202	D	Round	Red	6.0	.12	.11	.09	.08	.07
101-0204	D	Round	Yellow	6.0	.12	.11	.09	.08	.07

JB SERIES: WASHABLE LOW PROFILE TACTILES

- Power rating: 50mA @ 24VDC for 180g OF (1.76N); 125mA @ 24VDC 270g OF (2.65N)
- SPST Off-(On)
- Dome contact

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Operating Force	Price Each 1	25	50	100
633-JB15FP	JB15FP	A	Short blue button	180g	1.40	1.20	1.06	.92
633-JB15KP	JB15KP	B	Short actuator	180g	1.40	1.20	1.06	.92
633-JB15HAP	JB15HAP	C	Extended actuator	270g	2.40	2.06	1.78	1.63
Sculptured Snap-On Caps for JB15KP and JB15HAP								
633-AT4058A	AT4058A	D	Black matte finish		.40	.36	.32	.30
633-AT4058B	AT4058B	D	White matte finish		.40	.36	.32	.30
633-AT4058C	AT4058C	D	Red matte finish		.40	.36	.32	.30
633-AT4058H	AT4058H	D	Gray matte finish		.40	.36	.32	.30
Flat Snap-On Caps for JB15KP and JB15HAP								
633-AT4059A	AT4059A	E	Black glossy finish		.80	.72	.65	.59
633-AT4059B	AT4059B	E	White glossy finish		.80	.72	.65	.59
633-AT4059C	AT4059C	E	Red glossy finish		.80	.72	.65	.59
633-AT4059H	AT4059H	E	Gray glossy finish		.80	.72	.65	.59

JB SERIES: ILLUMINATED, WASHABLE LOW PROFILE TACTILES

- Power rating: 50mA @ 24VDC for 180g OF (1.76N); 125mA @ 24VDC 270g OF (2.65N)
- Bright full face illumination
- Dome contact

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each 1	25	50	100
Standard OF (180g); Short Actuator; Flat Snap-on Cap							
633-JB15LPC	JB15LPC-JC	F	Red LED/Flat clear lens/Red diffuser	2.80	2.66	2.52	2.38
633-JB15LPE	JB15LPE-JE	F	Yellow LED/Flat clear lens/Yellow diffuser	2.80	2.66	2.52	2.38
633-JB15LPF	JB15LPF-JF	F	Green LED/Flat clear lens/Green diffuser	2.80	2.66	2.52	2.38
High OF (270g); Extended Actuator; Framed Snap-on Cap							
633-JB15HBPC	JB15HBPC-JC	G	Red LED/Flat clear lens/Red diffuser	3.80	3.61	3.42	3.23
633-JB15HBPE	JB15HBPE-JE	G	Yellow LED/Flat clear lens/Yellow diffuser	3.80	3.61	3.42	3.23
633-JB15HBPF	JB15HBPF-JF	G	Green LED/Flat clear lens/Green diffuser	3.80	3.61	3.42	3.23

JF SERIES: WASHABLE ULTRA-THIN TACTILES

- Power rating: 50mA @ 24VDC
- OF: 306g (3.0N)
- 5mm height
- SPST Off-(On)
- Dome contact

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each 1	25	50	100
Round Housing and Actuator							
633-JF15CP2C	JF15CP2C	H	Black housing/Red actuator	2.55	2.19	1.94	1.80
633-JF15CP2D	JF15CP2D	H	Black housing/Orange actuator	2.55	2.19	1.94	1.80
633-JF15CP2F	JF15CP2F	H	Black housing/Green actuator	2.55	2.19	1.94	1.80
633-JF15CP2G	JF15CP2G	H	Black housing/Blue actuator	2.55	2.19	1.94	1.80
633-JF15CP2H	JF15CP2H	H	Black housing/Gray actuator	2.55	2.19	1.94	1.80
Square Housing and Actuator							
633-JF15SP1C	JF15SP1C	I	Black housing/Red actuator	2.55	2.19	1.94	1.80
633-JF15SP1D	JF15SP1D	I	Black housing/Orange actuator	2.55	2.19	1.94	1.80
633-JF15SP1F	JF15SP1F	I	Black housing/Green actuator	2.55	2.19	1.94	1.80
633-JF15SP1G	JF15SP1G	I	Black housing/Blue actuator	2.55	2.19	1.94	1.80
633-JF15SP1H	JF15SP1H	I	Black housing/Gray actuator	2.55	2.19	1.94	1.80

JF SERIES: ILLUMINATED, WASHABLE ULTRA-THIN TACTILES

- Power rating: 50mA @ 24VDC
- OF: 306g (3.0N) for flush actuator; 204g (2.0N) for sculptured actuator
- SPST Off-(On)
- Dome contact
- Spot or full face illumination

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each 1	25	50	100
Spot Illuminated, Sculptured Actuator							
633-JF15RP3HC	JF15RP3HC	J	Gray actuator/Red LED	3.99	3.28	3.11	2.90
633-JF15RP3HE	JF15RP3HE	J	Gray actuator/Yellow LED	3.99	3.28	3.11	2.90
633-JF15RP3HF	JF15RP3HF	J	Gray actuator/Green LED	3.99	3.28	3.11	2.90
633-JF15RP3GC	JF15RP3GC	J	Blue actuator/Red LED	3.99	3.28	3.11	2.90
633-JF15RP3GE	JF15RP3GE	J	Blue actuator/Yellow LED	3.99	3.28	3.11	2.90
633-JF15RP3GF	JF15RP3GF	J	Blue actuator/Green LED	3.99	3.28	3.11	2.90
Full Face Illuminated, Square Actuator							
633-JF15AP1CC	JF15AP1CC	K	Red actuator/Red LED	4.65	4.42	3.95	3.91
633-JF15AP1EE	JF15AP1EE	K	Yellow actuator/Yellow LED	5.60	5.32	4.76	4.70
633-JF15AP1FF	JF15AP1FF	K	Green actuator/Green LED	4.85	4.61	4.12	4.08

JL SERIES: ILLUMINATED, ULTRA-THIN TACTILES

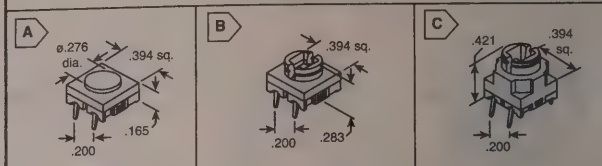
NEW FROM SUPPLIER

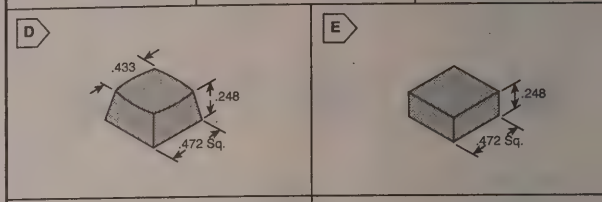
- Power rating: 50mA @ 24VDC
- OF: 306g (3.0N)
- SPST Off-(On)
- Full face illumination
- Dome contact
- Low profile

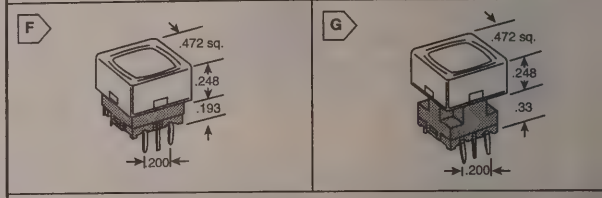
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each 1	25	50	100
633-JL15SKSBCP2	JL15SKSBCP2	L	White actuator/Red LED	18.00	16.34	14.85	13.86
633-JL15SKSBDP2	JL15SKSBDP2	L	White actuator/Amber LED	19.50	17.70	16.09	15.02
633-JL15SKSBFP2	JL15SKSBFP2	L	White actuator/Green LED	19.50	17.70	16.09	15.02
633-JL15SKSCCP2	JL15SKSCCP2	L	Red actuator/Red LED	18.00	16.34	14.85	13.86
633-JL15SKSDDP2	JL15SKSDDP2	L	Amber actuator/Amber LED	19.50	17.70	16.09	15.02
633-JL15SKSFFP2	JL15SKSFFP2	L	Green actuator/Green LED	19.50	17.70	16.09	15.02

DIMENSIONS (IN)

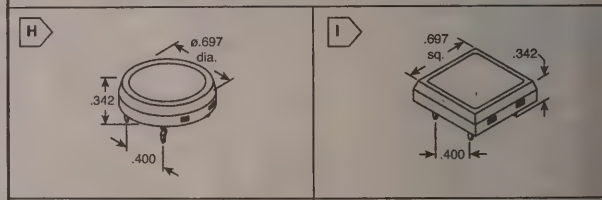


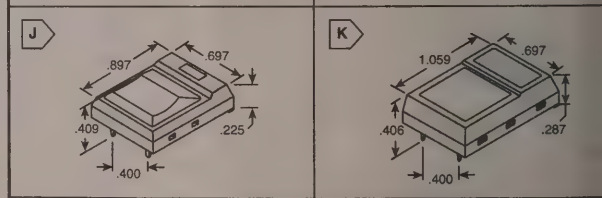




For Figures F and G

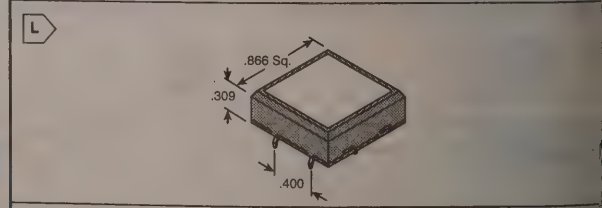
LED Specifications	Color Red	Yellow	Green
Forward Peak Current	25mA	25mA	25mA
Continuous Forward Current	20mA	20mA	20mA
Forward Voltage	2.0V	2.2V	2.1V
Reverse Peak Voltage	4V	4V	4V
Current Reduction Rate Above 25°C	0.42mA/°C		
Ambient Temperature Range	-25°~+70°C		





For Figures J and K

LED Specifications	Color Spot Illumination Red	Yellow	Green	Full Face Illumination Red	Yellow	Green
Forward Peak Current	40mA	40mA	40mA	30mA	30mA	30mA
Continuous Current	30mA	30mA	30mA	20mA	20mA	20mA
Forward Voltage	1.7V	2.2V	2.2V	1.77V	2.1V	2.3V
Reverse Peak Voltage	4V	4V	4V	4V	4V	4V
Current Reduction Rate Above 25°C	0.67mA/°C	0.67mA/°C	0.67mA/°C	0.4mA/°C	0.4mA/°C	0.4mA/°C
Ambient Temperature Range	-25°~+70°C			-25°~+70°C		



For Figure L

LED Specifications	Color Red	Yellow	Green
Forward Peak Current	75mA	100mA	100mA
Continuous Current	60mA	80mA	80mA
Forward Voltage	4.0V	4.2V	4.2V
Reverse Peak Voltage	8V	8V	8V
Current Reduction Rate Above 25°C	0.98mA/°C	1.31mA/°C	1.31mA/°C
Ambient Temperature Range	-25° ~ +50°C		

APEM SEALED TACT SWITCHES

Specifications:

- Dielectric withstanding voltage: 250VAC
- Insulation resistance: 100 megohms min.
- Electrical Life: 100,000 cycles min.
- Contact Form: SPST-No
- Contact Resistance: 100mΩ Max.
- Operating Force: 160g

For quantities of 1000 and up, call for quote.

Mouser Stock No.	Apem Part No.	Fig.	Termination Type	Height (mm)	Price Each 1	25	100	500
MJTP1119	MJTP1119	A	Thru-hole	5	.32	.31	.29	.27
MJTP1129	MJTP1129	B	Thru-hole	4.35	.40	.37	.35	.33
MJTPSJW69N	MJTPSJW69N	C	SMT	3.7	.31	.29	.27	.26
MJTPSJW66N	MJTPSJW66N	D	SMT	3.1	.27	.26	.24	.23
MJTPSMW	MJTPSMW	E	SMT	3.1	.27	.26	.24	.23
MJTPSHW	MJTPSHW	F	Thru-hole	3.1	.27	.26	.24	.23
MJTPSHWA	MJTPSHWA	F	Thru-hole	2.3	.27	.26	.24	.23
MJTPSHWB	MJTPSHWB	F	Thru-hole	3.7	.32	.31	.29	.27

BOURNS TACTILE SWITCHES

Specifications:

- Current Rating: 12VDC @ 50mA
- Electrical Life: STSM - 50,000 cycles, STW - 100,000 cycles, SDT - 1,000,000 cycles

Features:

- Sharp click with positive feedback.

For quantities of 1000 and up, call for quote.

Mouser Stock No.	Bourns Part No.	Fig.	Operating Force	Terminal Type	Height (mm)	Price Each 1	25	100	500
STSM-31-N	STSM-31-N	G	160 g	SMD	4.3	.26	.22	.19	.15
STSM-31-S	STSM-31-S	G	320 g	SMD	4.3	.27	.23	.20	.16
STSM-32-N	STSM-32-N	G	160 g	SMD	5.0	.27	.23	.20	.16
STSM-32-S	STSM-32-S	G	320 g	SMD	5.0	.29	.25	.21	.17
SDTG-610-N	SDTG-610-N	H	160 g	Through-hole	4.3	.20	.14	.10	.08
SDTA-610-N	SDTA-610-N	I	160 g	Right angle through-hole	3.15	.20	.14	.10	.08
STHW-660-N	STHW-660-N	J	160 g	Through-hole	3.1	.36	.24	.22	.20
STMW-660-N	STMW-660-N	K	160 g	SMD Gull wing	3.1	.39	.26	.24	.21
STJW-660-N	STJW-660N	L	160 g	SMD J-Hook	3.1	.39	.26	.24	.21

OMRON MECHANICAL KEYSWITCHES (TACTILE)

Specifications:

- Contact form: SPST-NO
- Switching capacity: 50 mA 24 VDC
- Dielectric strength: 500 VAC
- B3S supplied on Tape & Reel
- Contact resistance: 100 MΩ max.
- Insulation resistance: 100 MΩ min.

Features:

- B3S and B3W sealed for CFC cleaning; can not be water washed.

For quantities of 500 and up, call for quote.

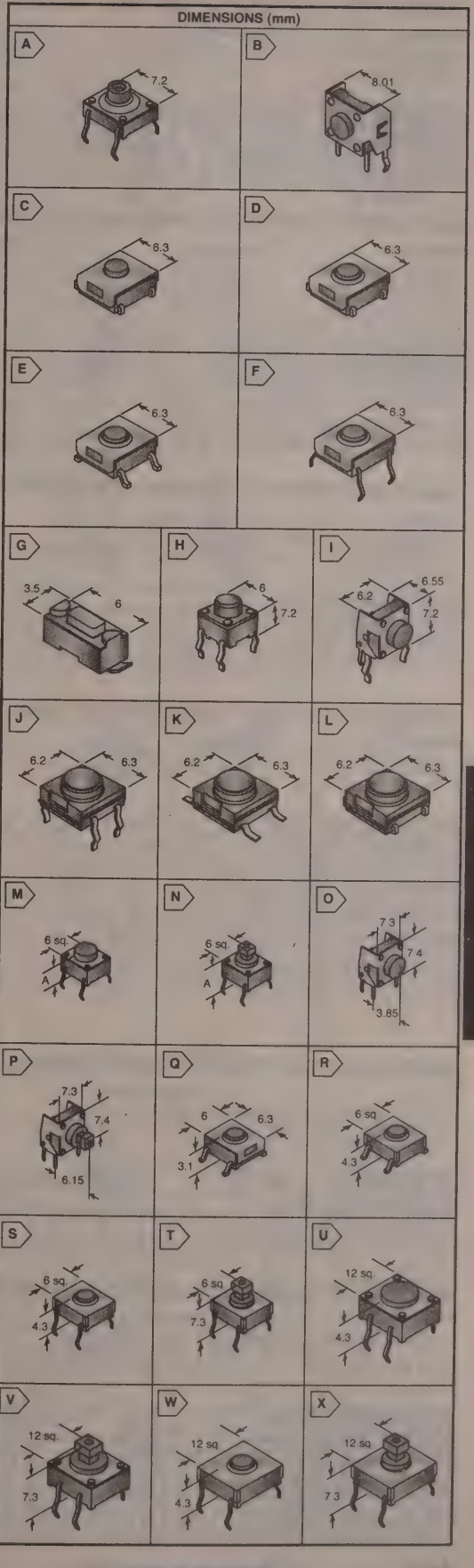
Mouser Stock No.	Omron Part No.	Fig.	Termination Type	Actuator (Dim. A)	Operating Force	Price Each 1	25	50	100
B3F-1000	B3F-1000	M	Thru-hole	Flat (4.3)	100g	.19	.18	.15	.14
B3F-1002	B3F-1002	M	Thru-hole	Flat (4.3)	150g	.22	.20	.18	.16
B3F-1020	B3F-1020	M	Thru-hole	Flat (5.0)	100g	.22	.20	.18	.16
B3F-1022	B3F-1022	M	Thru-hole	Flat (5.0)	150g	.22	.20	.18	.16
B3F-1070	B3F-1070	M	Thru-hole	Flat (9.5)	100g	.24	.22	.19	.18
B3F-1050	B3F-1050	N	Thru-hole	Proj. (7.3)	100g	.22	.20	.18	.16
B3F-1052	B3F-1052	N	Thru-hole	Proj. (7.3)	150g	.22	.20	.18	.16
B3F-3120	B3F-3120	O	Rt. angle w/ground terminal	Flat	100g	.30	.28	.24	.21
B3F-3122	B3F-3122	O	Rt. angle w/ground terminal	Flat	150g	.30	.28	.24	.21
B3F-3150	B3F-3150	P	Rt. angle w/ground terminal	Projected	100g	.35	.31	.30	.28
B3F-3152	B3F-3152	P	Rt. angle w/ground terminal	Projected	150g	.30	.28	.24	.21
B3FS-1000	B3FS-1000	Q	SMT	Flat	100g	.39	.35	.30	.28
B3FS-1002	B3FS-1002	Q	SMT	Flat	150g	.39	.35	.30	.28
B3S-1000	B3S-1000	R	SMT	Flat	160g	.43	.40	.36	.28
B3S-1002	B3S-1002	R	SMT	Flat	230g	.43	.40	.36	.28
B3W-1000	B3W-1000	S	Thru-hole	Flat	160g	.34	.32	.27	.25
B3W-1002	B3W-1002	S	Thru-hole	Flat	230g	.34	.32	.27	.25
B3W-1050	B3W-1050	T	Thru-hole	Projected	160g	.34	.32	.27	.25
B3W-1052	B3W-1052	T	Thru-hole	Projected	230g	.34	.32	.27	.25
B3F-4000	B3F-4000	U	Thru-hole	Flat	130g	.30	.28	.24	.21
B3F-4005	B3F-4005	U	Thru-hole	Flat	260g	.30	.28	.24	.21
B3F-4050	B3F-4050	V	Thru-hole	Projected	130g	.30	.28	.24	.21
B3F-4055	B3F-4055	V	Thru-hole	Projected	260g	.30	.28	.24	.21
B3W-4000	B3W-4000	W	Thru-hole	Flat	200g	.42	.39	.33	.30
B3W-4050	B3W-4050	X	Thru-hole	Projected	200g	.42	.39	.33	.30

OMRON KEY CAPS FOR MECHANICAL KEYSWITCHES

For quantities of 500 and up, call for quote.

Mouser Stock No.	Omron Part No.	For Use With	Size	Color	Price Each 1	25	50	100
B32-1000	B32-1000	6mm keyswitches	4 x 4	Light gray	.18	.16	.14	.13
B32-1010	B32-1010	6mm keyswitches	4 x 4	Black	.18	.16	.14	.13
B32-1040	B32-1040	6mm keyswitches	4 x 4	Blue	.18	.16	.14	.13
B32-1200	B32-1200	12mm keyswitches	9 x 9	Light gray	.18	.16	.14	.13
B32-1210	B32-1210	12mm keyswitches	9 x 9	Black	.18	.16	.14	.13
B32-1240	B32-1240	12mm keyswitches	9 x 9	Blue	.18	.16	.14	.13
B32-1300	B32-1300	12mm keyswitches	12 x 12	Light gray	.18	.16	.14	.13
B32-1310	B32-1310	12mm keyswitches	12 x 12	Black	.18	.16	.14	.13

DIMENSIONS (mm)



ALPS SMD LOW-PROFILE ONE-WAY DETECTOR SWITCHES

Features:
- Highly reliable double-sided sliding contact
- Tape and reel packaging

Specifications:
- Rating: 1mA @ 5VDC
- Operating life with load: 50,000 cycles

Applications:
- Detection mechanism in video cameras
- Detection mechanism in DVD players

For quantities of 9000 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Location Lug	Total Travel Position	ON Start Position	Price Each 1	50	100	500	Reel Qty.	Reel Qty. Price Ea.
688-SPVP110100	SPVP110100	A	55 gf	Yes	1.77 mm	3.44 mm	1.06	.91	.84	.61	4500	.46
688-SPVP120100	SPVP120100	A	55 gf	No	1.77 mm	3.44 mm	1.06	.91	.84	.61	4500	.46

ALPS SMD LOW-PROFILE TWO-WAY DETECTOR SWITCHES

Features:
- Can be pressed horizontally, vertically or at an angle.
- Ultra thin - only 1mm high
- Tape and reel packaging

Specifications:
- Rating: 1mA @ 5VDC
- Operating life with load: 50,000 cycles
- Total travel position: 1.45mm
- ON starting position, horizontal: 1.95mm

Applications:
- Detection of covers on mobile phones, PDAs
- Detection mechanism in DVD players
- Detection mechanism in portable CD/MD players

* ON starting position in vertical direction

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Control Direction	ON Start Position *	Location Lug	Price Each 1	50	100	500	Reel Qty.	Reel Qty. Price Ea.
688-SPVN110101	SPVN110101	B	35 gf	Right	2.65 mm	Yes	1.16	1.00	.91	.66	5000	.50
688-SPVN120101	SPVN120101	B	35 gf	Right	3.46 mm	No	1.16	1.00	.91	.66	5000	.50
688-SPVN210101	SPVN210101	C	35 gf	Left	2.65 mm	Yes	1.16	1.00	.91	.66	5000	.50
688-SPVN220101	SPVN220101	C	35 gf	Left	3.46 mm	No	1.16	1.00	.91	.66	5000	.50

ALPS SMD COMPACT TWO-WAY DETECTOR SWITCHES

Features:
- Can be pressed from 2 directions - horizontally and vertically.
- Tape and reel packaging

Specifications:
- Rating: 1mA @ 5VDC
- Operating life with load: 50,000 cycles
- Total travel position: 1.5mm

Applications:
- Detection of covers on mobile phones, PDAs
- Detection mechanism in DVD players

For quantities of 4500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Housing	ON Start Position	Location Lug	Price Each 1	50	100	500	Reel Qty.	Reel Qty. Price Ea.
688-SPVM110100	SPVM110100	D	40.8 gf	w/o terminal	2.20 mm	Yes	.86	.74	.68	.49	3000	.37
688-SPVM110200	SPVM110200	D	40.8 gf	w/ terminal	2.20 mm	No	.86	.74	.68	.49	3000	.37

ALPS SMD TWO-WAY DETECTOR SWITCHES

Features:
- Can be pressed horizontally, vertically or at an angle
- Tape and reel packaging

Specifications:
- Rating: 50mA @ 20VDC
- Operating life with load: 100,000 cycles
- Location Lug

Applications:
- Detection of lids on laptops, mobile phones, and PDAs
- Detection of position of camera shutters in mobile phones

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Control Direction	ON Start Position	Side Terminal	Price Each 1	50	100	500	Reel Qty.	Reel Qty. Price Ea.
688-SPVG110301	SPVG110301	E	40 gf	Right	2.96 mm	Yes	.79	.58	.51	.38	2500	.28
688-SPVG120302	SPVG120302	E	40 gf	Right	2.96 mm	No	.79	.58	.51	.38	2500	.28
688-SPVG210302	SPVG210302	F	40 gf	Left	2.96 mm	Yes	.79	.58	.51	.38	2500	.28
688-SPVG220300	SPVG220300	F	40 gf	Left	2.96 mm	No	.79	.58	.51	.38	2500	.28
688-SPVG310300	SPVG310300	E	40 gf	Right	2.45 mm	Yes	.79	.58	.51	.38	2500	.28
688-SPVG320200	SPVG320200	E	40 gf	Right	2.45 mm	No	.79	.58	.51	.38	2500	.28
688-SPVG410300	SPVG410300	F	40 gf	Left	2.45 mm	Yes	.79	.58	.51	.38	2500	.28
688-SPVG420200	SPVG420200	F	40 gf	Left	2.45 mm	No	.79	.58	.51	.38	2500	.28

ALPS SMD LOW-PROFILE TRI-DIRECTIONAL DETECTOR SWITCHES

Features:
- World's smallest detector switch of its type
- Highly reliable double-sided sliding contact
- Tape and reel packaging

Specifications:
- Rating: 1mA @ 5VDC
- Operating life with load: 50,000 cycles

Applications:
- Detection mechanism in PDAs, mobile phones, car audio
- Detection functions in DSCs

For quantities of 7500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	ON Start Position	Total Travel Position	Location Lug	Price Each 1	50	100	500	Reel Qty.	Reel Qty. Price Ea.
688-SPVL110100	SPVL110100	G	35 gf	4.25 mm	3.75 mm	Yes	1.28	1.10	1.01	.73	5000	.55
688-SPVL120100	SPVL120100	G	35 gf	4.25 mm	3.75 mm	No	1.28	1.10	1.01	.73	5000	.55

ALPS SMD COMPACT DETECTOR SWITCHES

Features:
- World's smallest detector switch of its type
- Highly reliable double-sided sliding contact
- Tape and reel packaging

Specifications:
- Rating: 100mA @ 12VDC
- SPVE1xxx have location lug, SPVE2xxx do not
- Operating life with load: 50,000 cycles

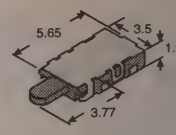
Applications:
- Detection of batteries in LCDs and DSCs
- Detection of lid position in laptops and mobile phones
- Detection of media in CD/MD players

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Dim. "H"	ON Start Position	Total Travel Position	Price Each 1	50	100	500	Reel Qty.	Reel Qty. Price Ea.
688-SPVE110600	SPVE110600	H	30 gf	3.80 mm	3.50 mm	2.50 mm	.79	.57	.52	.40	2800	.37
688-SPVE110801	SPVE110801	H	30 gf	4.10 mm	3.80 mm	2.90 mm	.79	.57	.52	.40	2800	.37
688-SPVE110900	SPVE110900	H	30 gf	4.80 mm	4.50 mm	3.60 mm	.79	.57	.52	.40	2200	.37
688-SPVE210100	SPVE210100	I	30 gf	3.30 mm	3.00 mm	2.00 mm	.79	.57	.52	.40	2800	.37
688-SPVE210200	SPVE210200	I	30 gf	4.75 mm	4.45 mm	3.35 mm	.79	.57	.52	.40	2000	.37

DIMENSIONS (mm)

A



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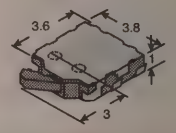

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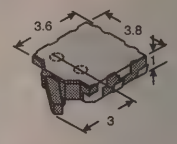

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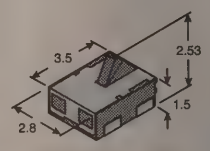

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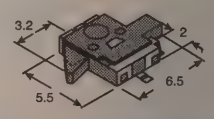
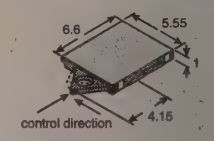


Shown w/side terminal

F

Shown w/side terminal

G



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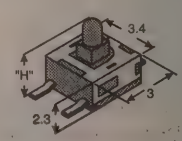

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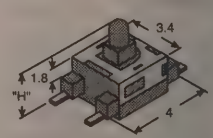

ALPS ROTARY TYPE DETECTOR SWITCH

tures:
witch and hinge in one unit

Specifications:
- ON to 200° min.
- Rating: 1mA @ 5 VDC
- Harness type mounting

Applications:
- Detection of fold opening and closing of LCD panels in laptops and camcorders
- Detection of opening folding cellular phones

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	ON Angle	Circuit Arrangement	Price Each 1	25	50	100
3-SREF100100	SREF100100	A	15°+/-3°	SPST	4.25	3.64	3.03	2.73

ALPS COMPACT TWO-WAY DETECTOR SWITCHES

tures:
ght and left detection
uble-sided sliding contact

Specifications:
- Rating: 1mA @ 5 VDC
- Operating force: 350 gf

Applications:
- For switching modes and zoom operation of cameras
- Detection mechanism in DVD players, digital camcorders

For quantities of 4500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	ON Start Position	Location Lug	Price Each 1	50	100	500	Pkg. Qty.	Pkg. Qty. Price Each
-SSCM110100	SSCM110100	B	3.58mm	With	1.27	1.09	.91	.82	3000	.56
-SSCM120100	SSCM120100	B	3.58mm	Without	1.27	1.09	.91	.82	3000	.56

ALPS LOW-PROFILE DETECTOR SWITCHES

tures:
cuit: 1 pole 1 position

Specifications:
- Rating: 10mA @ 16VDC
- Operating force: 85gf
- ON/OFF Start Position: 5.4mm

Applications:
- Detection mechanism in car navigation systems and car audio systems

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Total Travel Position	Circuit Arrangement	Price Each 1	50	100	500	Reel Qty.	Reel Qty. Price Each
-SPVC110300	SPVC110300	C	2.0 mm	Push ON	.87	.64	.58	.44	2500	.34
-SPVC110100	SPVC110100	C	2.0 mm	Push OFF	.87	.64	.58	.44	2500	.34

ALPS COMPACT LONG LIFE DETECTOR SWITCHES

ures:
D types are reflow solderable,, on tape reel

Specifications:
- Rating: 100mA @ 12VDC
- Operating force: 35gf

Applications:
- Detection of insertion of media such as DVDs, CDs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	ON Starting Position	Total Travel Position	Price Each 1	50	100	500	Reel Qty.	Reel Qty. Price Each
D mount - Vertical Operating Direction										
-SPPB530601	SPPB530601	D	8.05 mm	6.10 mm	.67	.57	.52	.36	1500	.29
D mount - Horizontal Operating Direction										
-SPPB530701	SPPB530701	E	8.05 mm	6.10 mm	.67	.57	.52	.36	1500	.29
-SPPB630101	SPPB630101	F	3.70 mm	1.70 mm	.67	.57	.52	.36	1300	.29
-SPPB640201	SPPB640201	G	3.70 mm	1.70 mm	.67	.57	.52	.36	1300	.29
mount - Vertical Operating Direction										
-SPPB512300	SPPB512300	H	8.05 mm	6.10 mm	.67	.57	.52	.36	4000	.29
ler mount - Horizontal Operating Direction										
-SPPB110300	SPPB110300	I	8.25 mm	6.25 mm	.67	.57	.52	.36	5000	.29
-SPPB120200	SPPB120200	J	6.55 mm	4.60 mm	.67	.57	.52	.36	5000	.29
-SPPB310400	SPPB310400	K	8.25 mm	6.25 mm	.67	.57	.52	.36	5000	.29
-SPPB320100	SPPB320100	L	8.25 mm	6.25 mm	.67	.57	.52	.36	5000	.29

ALPS TWO-WAY DETECTOR SWITCHES

ures:
ON travel
ction in both right & left directions

Specifications:
- Rating: 100mA @ 12VDC
- Operating force: 70 gf

Applications:
- Detection of trays in DVD players, CD-ROM drives, photo copiers, etc.

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Mounting Style	Terminal Style	Price Each 1	50	100	500	Reel Qty.	Reel Qty. Price Each
SSCF110100	SSCF110100	M	PCB	Snap-in	1.05	.77	.70	.53	1250	.41
SSCF210100	SSCF210100	N	Screw	Snap-in	1.05	.77	.70	.53	1250	.41
SSCF310100	SSCF310100	O	PCB w/ hook	Snap-in	1.05	.77	.70	.53	1800	.41
SSCF210300	SSCF210300	P	Screw	Solder/leads	1.05	.77	.70	.53	1250	.41

ALPS TWO-WAY DETECTOR SWITCHES

res:
be pressed either horizontally rtically for detection

Specifications:
- Rating: 100mA @ 12VDC
- Operating force: 30.6 gf

Applications:
- Detection of trays in DVD players, CD-ROM drives, photo copiers, etc.

For quantities of 4000 and up, call for quote.

MOUSER TOCK NO.	Alps Part Number	Fig.	ON Starting Position	Total Travel Position	Price Each 1	50	100	500	Reel Qty.	Reel Qty. Price Each
PVF110100	SPVF110100	Q	6.30mm	4.70 mm	.61	.45	.41	.31	2000	.24
PVF120100	SPVF120100	R	5.75mm	4.70 mm	.61	.45	.41	.31	2000	.24
PVF130100	SPVF130100	S	2.60mm	5.70 mm	.61	.45	.41	.31	2000	.24
PVF140100	SPVF140100	T	9.95mm	7.80 mm	.61	.45	.41	.31	2000	.24

OMRON D3C SERIES: SUBMINIATURE DETECTION SWITCHES

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	Omron Part Number	Fig.	OF	ON Starting Position	Changeover Timing	Price Each 1	25	50	100
3C-1210	D3C-1210	U	130 gf	3.50 mm	Non-shorting	1.12	1.01	.90	.81
3C-1220	D3C-1220	U	40 gf	3.50 mm	Non-shorting	1.08	1.03	.92	.84
3C-2210	D3C-2210	U	130 gf	2.50 mm	Shorting	1.08	1.03	.92	.84
3C-2220	D3C-2220	U	40 gf	2.50 mm	Shorting	1.08	1.03	.92	.84

OMRON MINIATURE DOOR SWITCHES

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	Omron Part No.	Fig.	Contact Form	Actuator	Price Each 1	25	50	100
3D-111	D3D-111	V	SPDT	Plunger	1.50	1.40	1.32	1.12
3D-121	D3D-121	V	SPST-NC	Plunger	1.31	1.23	1.15	.98
3D-131	D3D-131	V	SPST-NO	Plunger	1.31	1.23	1.15	.98
3D-211	D3D-211	W	SPDT	Lever	1.59	1.49	1.40	1.18
3D-221	D3D-221	W	SPST-NC	Lever	1.40	1.31	1.23	1.04
3D-231	D3D-231	W	SPST-NO	Lever	1.40	1.31	1.23	1.04

DIMENSIONS (mm)

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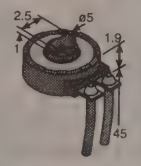

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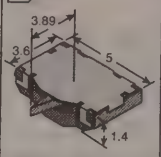

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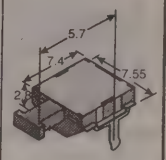

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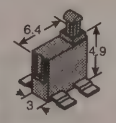

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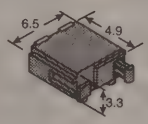

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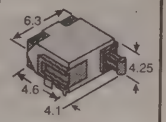

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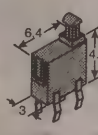

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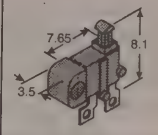

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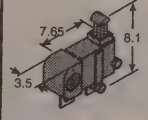

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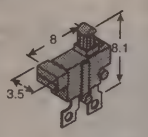

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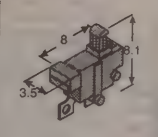

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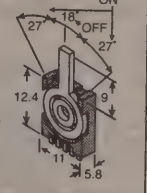

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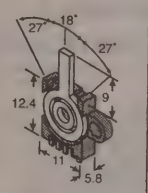

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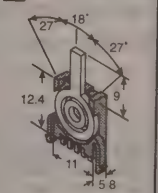

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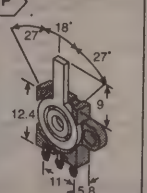

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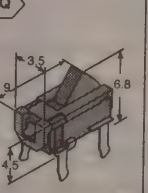

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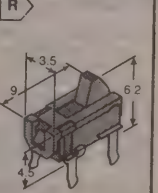

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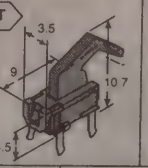

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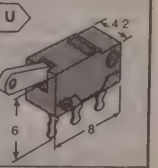


V

W

ALPS 4-DIRECTIONAL SWITCHES WITH CENTER PUSH

- Octagonal shape contributes to smaller mounting space
- Reflow solderable
- Tape and reel packaging
- Rating: 50mA @ 12VDC
- 4-directional/center push travel: 0.25 mm/0.15mm
- Portable audio devices
- Digital cameras and video cameras
- Cellular phones and PDA's

LEAD-FREE

For quantities of 2600 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Oper. Force Dir./Cntr Push	Guide Bosses	Operating Life	Price Each 1	50	100	500	Reel Qty.	Reel Qty. Price Each
688-SKRHAB	SKRHAB	A	1.23N/2.35N	Yes	200,000	4.98	3.86	3.49	2.87	1300	2.06
688-SKRHAC	SKRHAC	A	1.2N/2.35N	No	500,000	5.38	4.17	3.77	3.10	1300	2.23
688-SKRHAD	SKRHAD	A	1.2N/2.35N	Yes	500,000	5.38	4.17	3.77	3.10	1300	2.23

ALPS 4-DIRECTIONAL SWITCHES WITH CENTER PUSH

- Reflow solderable
- Surface mount type on tape and reel packaging
- Rating: 50mA @ 12VDC
- Tactile feedback
- Operations of various multi-functional electronic equipment

For quantities of greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Oper. Force Dir./Cntr Push	Travel Dir./Cntr Push	Operating Life (cycles)	Price Each 1	25	50	100	Reel Qty.	Pkg. Qty. Price Each
Snap-in type											
688-SKQUAA	SKQUAA	B	1.57N/---	0.35mm/---	50,000	1.50	1.38	1.26	1.11	1000	.99
688-SKQUCA	SKQUCA	C	1.57N/3.14N	0.4mm/0.2mm	100,000	2.70	2.48	2.27	2.00	1000	1.78
Surface mount type											
688-SKQUBA	SKQUBA	D	1.57N/---	0.35mm/---	50,000	1.87	1.72	1.57	1.38	750	1.31
688-SKQUDB	SKQUDB	E	1.57N/3.14N	0.4mm/0.2mm	100,000	3.12	2.87	2.62	2.31	600	2.18

ALPS VERTICAL TYPE LEVER AND PUSH OPERATION SWITCHES

- Compound, vertical switch allows both a semicircular lever control and a push control
- Reflow solderable
- Tape and reel packaging
- Rating: 10mA @ 5VDC
- Lever function operating force: 1N
- Push function operating force: 2.6N
- Operating life: 100,000 cycles
- For selecting menus of PDA's, mobile phones, laptop computers, and electronic organizers
- For selecting menus of remote controllers

For quantities of 2600 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Operating Angle	Mounting Height	Push Oper. Travel	Price Each 1	25	50	100	Reel Qty.	Pkg. Qty. Price Each
688-SLLQ110100	SLLQ110100	F	15°	4.2 mm	0.4 mm	2.91	2.67	2.44	2.15	900	1.63
688-SLLQ120100	SLLQ120100	G	20°	3.5 mm	0.4 mm	2.91	2.67	2.44	2.15	1400	1.63

ALPS HORIZONTAL TYPE SEESAW AND PUSH OPERATION SWITCHES

- Single knob allows CW, CCW, and push operations
- Lever Color: Black except for SLLB120200 and SLLB220200 which are gray.
- Tape and reel packaging
- Rating: 10mA @ 5VDC
- Lever/Push function operating force: 0.65±0.3N/2±1N
- Operating life: 100,000 cycles
- For selecting menus of PDA's, mobile phones, laptop computers, and electronic organizers
- For selecting menus of remote controllers

LEAD-FREE

For quantities of greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Location Lug	Push-On Switch	Push Oper. Travel	Price Each 1	25	50	100	Reel Qty.	Pkg. Qty. Price Each
688-SLLB120100	SLLB120100	H	Yes	Yes	0.85 mm	2.70	2.48	2.27	2.00	1350	1.51
688-SLLB120200	SLLB120200	I	Yes	Yes	0.85 mm	2.70	2.48	2.27	2.00	1350	1.51
688-SLLB120300	SLLB120300	I	Yes	Yes	0.85 mm	2.70	2.48	2.27	2.00	1350	1.51
688-SLLB220100	SLLB220100	H	Yes	No	0.85 mm	2.70	2.48	2.27	2.00	1350	1.51
688-SLLB220200	SLLB220200	I	Yes	No	0.85 mm	2.49	2.29	2.10	1.85	1350	1.39
688-SLLB510100	SLLB510100	J	Yes	No	0.7 mm	2.88	2.65	2.42	2.13	1500	1.61
688-SLLB510200	SLLB510200	J	No	No	0.7 mm	2.88	2.65	2.42	2.13	1500	1.61

ALPS STICK CONTROLLERS

- Ideal for fingertip operation
- Compact design
- Lever return mechanism
- Resistance taper: 0B
- Total resistance: 10KW
- Operating force: 5.2±2.6N
- Travel: 0.5mm
- Game and remote controllers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Center Push	Potentiometer Rating	Center Push Rating	Price Each 1	25	50	100	200
688-RKJXK122000D	RKJXK122000D	K	No	0.0125W	50mA @ 12VDC	6.68	6.14	5.61	4.94	4.67
688-RKJXK122400Y	RKJXK122400Y	L	Yes	0.0125W	50mA @ 12VDC	7.13	6.56	5.99	5.27	4.99

ALPS MOTORIZED STICK CONTROLLERS

- Ideal for fingertip operation
- Lever can be moved and set up to the required position with the motor drive system
- Small DC motor with slowdown gear system integrated
- Motor voltage: 4.5VDC
- Operating life: X-X and Y-Y 50,000 cycles each
- Touch sense track
- Surround panning for studio mixer

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Touch Sense	Total Resistance	Resistance Taper	Price Each 1	2	5	10
688-RKJXF1210000	RKJXF1210000	M	Yes	5K Ω	B	174.00	168.20	156.60	145.00

ALPS 8-DIRECTIONAL SWITCH WITH CENTER PUSH

- Compact, low profile
- Uniform operating force in any direction
- Rating: 10mA @ 5VDC
- Operating life: RKJXL=100,000 cycles; RKJXS=500,000 cycles
- Controlling cursors in car navigation systems
- Control of office and AV equipment

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Operating Force Direction	Operating Force Center Push	Operating Angle (Lever)	Travel (Push)	Price Each 1	25	50	100	200
688-RKJXL100401V	RKJXL100401V	N	10±7mN·m	4.5±1N	12±3°	0.2mm	5.34	4.92	4.49	3.95	3.74
688-RKJXS	RKJXS100401	O	0.8±0.5N	2.5±1.5N	7°	0.3mm	4.24	3.91	3.57	3.14	2.97

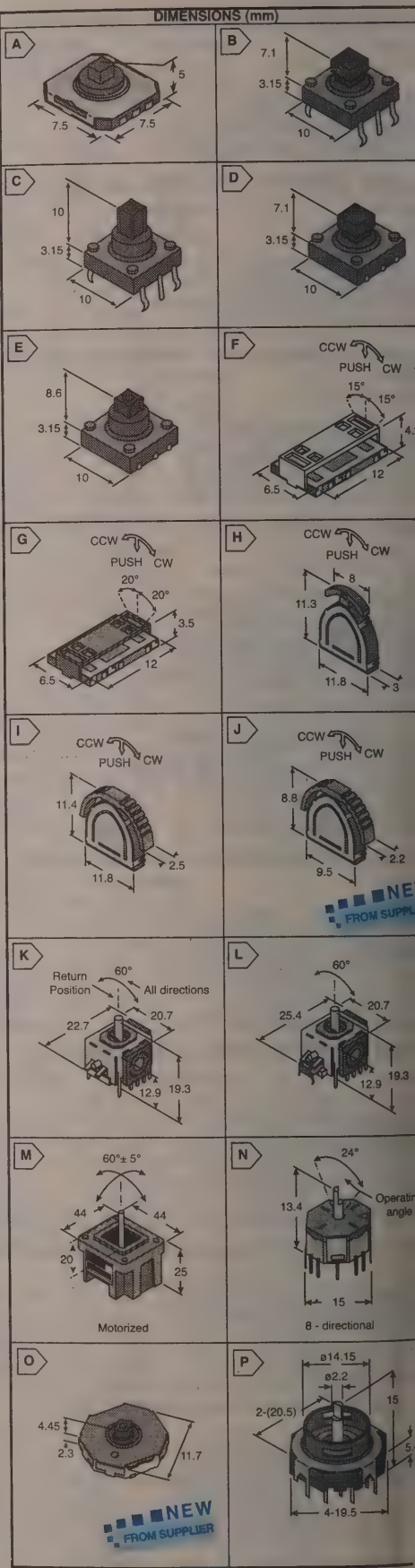
ALPS 8-DIRECTIONAL SWITCH AND ENCODER WITH CENTER PUSH

- 20mm biaxial unit w/ encoder (outer axis) and stick switch (inner axis)
- Stick switch with tactile feel in every direction
- Clicking mechanism of encoder for smooth rotational motion
- Rating: 10mA @ 5VDC
- Operating life (Switch/Encoder): 100,000 cycles/15,000 cycles
- Switch operating angle: "+" direction - 10° max.; "x" direction - 12° max
- Encoder resolution: 15 pulses, 15 detents
- Control sound, cursors,and switching modes in car audio and navigation systems
- Level controlling applications

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Switch Operating Force "x" Direction	Switch Operating Force "+" Direction	Detent torque (Encoder)	Price Each 1	25	50	100	200
688-RKJXM2E12001	RKJXM2E12001	P	30±20mN·m	25±20mN·m	12±8mN·m	6.38	5.87	5.36	4.72	4.46

DIMENSIONS (mm)



ROTARY ENCODERS

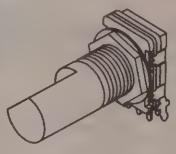
ALPHA

Push-on Switch Specifications:

Switch Type: Single pole and single row (Push On)
Travel: 0.5 ± 0.3
Operating force: 600 ± 300gf
Contact resistance: 3A / 16VDC 100MΩ
Operating life: 25,000 cycles min

Mechanical Specifications:

- Rotational life: 15,000 cycles



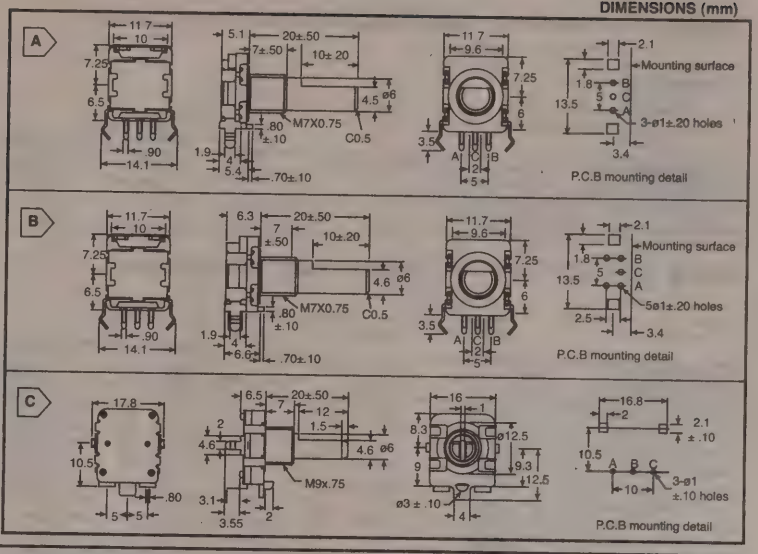
Electrical Specifications	ENC111	ENC160
Rating	1.0mA / 10VDC	0.5mA / 5VDC
Max. operating current	1.0mA	0.5mA
Insulation	300VDC	50VDC
Resistance	100MΩ min.	10MΩ min.
Voltage	300VAC	50VAC
Resolution	20/360°	24/360°

Specs are found in the knob pages
of the Electromechanical section.

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Detent	Shaft Rotational Direction	Case Size	Switch	Price Each 1	10	25	100
-ENC111-20P	A	20	C.W.	11 mm	N	2.45	1.99	1.84	1.75
-ENC111-20PS	B	20	C.W.	11 mm	Y	4.99	4.05	3.49	2.50
-ENC160-24P	C	24	C.W.	16 mm	N	2.40	1.82	1.65	1.50

DIMENSIONS (mm)



ALPS 8-DIRECTIONAL SWITCH AND ENCODER WITH CENTER PUSH

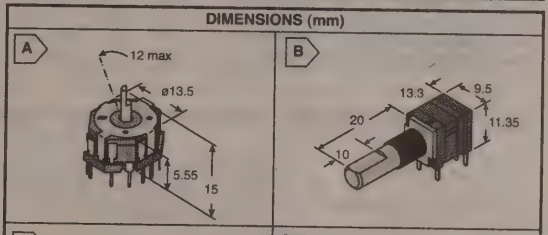
Single shaft has 8 directional switch, push center and encoder operations (15 pulses, 30 clicks)
Extremely low profile
User-friendly 8-directional switch
Rating: 10mA @ 5VDC

- Operating life (Switch/Encoder): 50,000 cycles/15,000 cycles
- Switch operating angle: 12° max.
- Control sound, cursors,and switching modes in car audio and navigation systems
- Input controls for home electronics

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Switch OF	Detent Torque Encoder	Encoder Number of Detents	Pulses	Price Each 1	25	50	100
RKJXT1E12001	RKJXT1E12001	A	40±25 mN·m	15±8 mN·m	30	15	8.83	8.12	7.41	6.53

DIMENSIONS (mm)



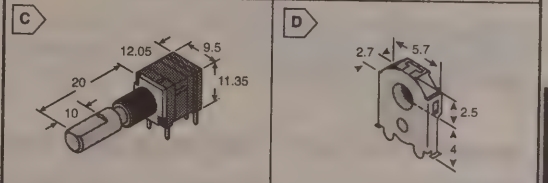
ALPS RK097 SERIES: 9MM METAL SHAFT ENCODER

Rating: 10mA @ 12 VDC
Rotational life: 30,000 cycles
Incremental type

- Detent torque: 10+/-8mN * m
- Applications include controls for AV devices, level controls for communication devices

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Travel of Push-On Switch	Res.	No. of Detents	Price Each 1	25	50	100
RK09710ELC09	RK09710ELC09	B	With	0.5mm	9	18	6.48	5.55	4.63	4.16
RK09710ELC07	RK09710ELC07	B	With	0.5mm	15	30	6.48	5.55	4.63	4.16
RK09710ELC0B	RK09710ELC0B	C	With	1.5mm	15	30	6.69	5.73	4.78	4.30



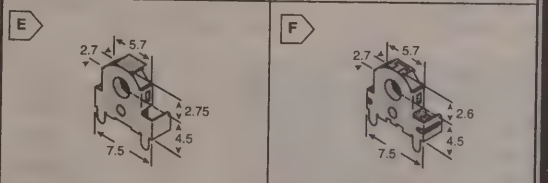
ALPS EC05E SERIES: 5MM SMD HOLLOW SHAFT ENCODERS

Rating: 0.5mA @ 5VDC
Operating Life: 100,000 cycles
Tape and reel packaging

- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Rating	Detent Torque	Res.	No. of Detents	Price Each 1	25	50	100
EC05E1220201	EC05E1220201	D	0.5mA @ 5VDC	1.6±1.3 mN.m	12	12	3.23	2.77	2.40	2.08
EC05E1220202	EC05E1220202	E	0.5mA @ 5VDC	1.6±1.3 mN.m	12	12	3.23	2.77	2.40	2.08
EC05E1220203	EC05E1220203	F	0.5mA @ 5VDC	1.6±1.3 mN.m	12	12	3.23	2.77	2.40	2.08
EC05E1220401	EC05E1220401	G	0.5mA @ 5VDC	1.6±1.3 mN.m	12	12	3.23	2.77	2.40	2.08



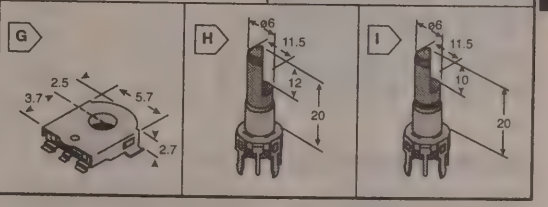
ALPS EC09E SERIES: 9MM METAL SHAFT ENCODERS

Rating: 10mA @ 5VDC
Operating Life: 15,000 cycles
Incremental type

- Detent torque: 8±5mN-m
- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Travel of Push-On Switch	Res.	No. of Detents	Price Each 1	25	50	100
EC09E1520402	EC09E1520402	H	Without	----	15	30	5.04	4.32	3.60	3.24
EC09E1524404	EC09E1524404	I	With	1.5mm	15	30	6.06	5.19	4.33	3.89
EC09E1524405	EC09E1524405	I	With	0.5mm	15	30	5.81	4.98	4.15	3.74



PIHER 11MM INCREMENTAL ENCODERS

Typical Application:

- Applications which require a single or multi-function rotary control interfaced with a digital electronic circuit.
- Consumer: Home appliances- washing machine/microwave oven timer & temperature programming controls, Hi-Fi, CD, Mini Disc and MP3 players, volume, tone, and title search controls.

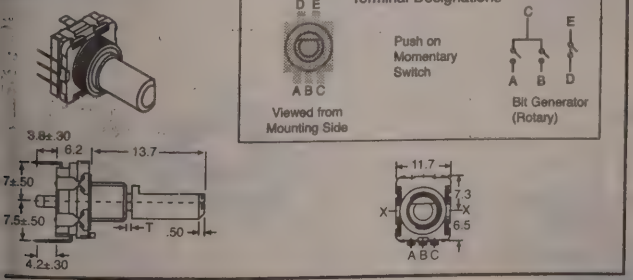
Features:

- 2 bit in quadrature code
- Contact type
- Push-on switch (optional)
- Available with or without detents
- Compact design
- Threaded or plain bush options
- Available in vertical mount
- Endless rotation
- 15 or 20 pulses per rev.

Specifications:

- Operating Temperature: -40°C to +85°C
- Life (endless rotation): 20,000 cycles
- Rotational Torque: 0.3 to 2 Ncm
- Push On Switch: 0.5 mm. travel
- Contact Resistance: 100 mΩ Initial (Max)
- Pulses / Detents: 15/00, 15/30, 20/00, 0/20

DIMENSIONS (mm)



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Piher Part No.	Detent	Switch	Price Each 1	25	50	100
531-CI11CTV	CI11-CT-V1Y22-LFACF	with	with	4.00	3.50	3.25	2.75
531-CI11C0V	CI11-C0-V1Y22-HF4CF	with	without	3.56	3.12	2.89	2.45

ALPS EC10E SERIES: 10MM HOLLOW SHAFT ENCODERS

- Rating: 0.5mA @ 5 VDC
- Operating life: 100,000 cycles
- Incremental type
- Applications include controls for PC input devices (e.g., mouse), AV devices, and communication devices

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dimensions "H"	Detent Torque	Res.	No. of Detents	Price Each 1	25	50	100
688-EC10E1220505	EC10E1220505	A	7mm	5+/-3mN*m	12	24	1.12	.96	.80	.72
688-EC10E1220501	EC10E1220501	A	9mm	5+/-3mN*m	12	24	1.12	.96	.80	.72

ALPS EC11 SERIES: 11MM METAL SHAFT ENCODERS

- Rating: 10mA @ 5 VDC
- Operating life: 15,000 cycles
- Incremental type
- High precision
- Applications include controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Switch Travel	Res.	No. of Detents	Price Each 1	25	50	100
688-EC11B15203AD	EC11B15203AD	B	Without	- - -	15	30	4.36	3.74	3.24	2.81
688-EC11B20203A3	EC11B20203A3	B	Without	- - -	20	20	4.36	3.74	3.24	2.81
688-EC11B15202AA	EC11B15202AA	C	Without	- - -	15	30	4.36	3.74	3.24	2.81
688-EC11E1530401	EC11E1530401	D	Without	- - -	15	0	4.25	3.64	3.16	2.73
688-EC11E1820402	EC11E1820402	D	Without	- - -	18	36	4.36	3.74	3.24	2.81
688-EC11B15243BD	EC11B15243BD	E	With	1.5mm	15	30	5.61	4.81	4.17	3.61
688-EC11B2024305	EC11B2024305	E	With	1.5mm	20	20	5.61	4.81	4.17	3.61
688-EC11B15242AF	EC11B15242AF	F	With	1.5mm	15	30	5.61	4.81	4.17	3.61
688-EC11E15244B2	EC11E15244B2	D	With	1.5mm	15	30	5.61	4.81	4.17	3.61
688-EC11E18244A5	EC11E18244A5	D	With	1.5mm	18	36	5.61	4.81	4.17	3.61
688-EC11E09244AW	EC11E09244AW	D	With	0.5mm	18	9	5.61	4.81	4.17	3.61
688-EC11E09244AQ	EC11E09244AQ	D	With	1.5mm	18	9	5.61	4.81	4.17	3.61

ALPS EM11B SERIES: 11MM METAL SHAFT MAGNETIC ENCODERS

- Output V_{IH}: +4.0 V min.
- Output V_{LOW}: 0.5V max.
- Output I_{SINK}: 5mA
- Operating life: 1,000,000 cycles
- Rating: 5VDC +/- 5%
- Response time: 1.3msec (typical)
- Compact, non-contact type encoder
- Applications include car audio and navigation systems and controls for audio mixers and broadcasting devices

This product uses a Hall IC. Be aware of ESD damages.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Switch OF	Res.	No. of Detents	Price Each 1	25	50	100
688-EM11B16140A4	EM11B16140A4	G	With	5+/-3N	16	16	33.25	28.50	23.75	21.38

ALPS EC12E SERIES: 12MM INSULATED SHAFT ENCODERS

- Rating: 0.1A @ 12VDC
- Operating Life: 30,000 cycles
- Incremental type
- High precision
- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dimensions L (l1) mm	Push-On Switch	Res.	No. of Detents	Price Each 1	25	50	100
688-EC12E24204A8	EC12E24204A8	H	20 (7)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E24204A9	EC12E24204A9	H	25 (12)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E24204A2	EC12E24204A2	H	15 (7)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E1220405	EC12E1220405	H	25 (12)	Without	12	12	1.47	1.26	1.09	.95
688-EC12E1220406	EC12E1220406	H	20 (7)	Without	12	12	1.47	1.26	1.09	.95
688-EC12E1220407	EC12E1220407	H	15 (7)	Without	12	12	1.47	1.26	1.09	.95
688-EC12E2420802	EC12E2420802	I	20 (7)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E2420801	EC12E2420801	I	25 (12)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E2424407	EC12E2424407	J	20 (7)	With	24	24	2.66	2.28	1.90	1.71
688-EC12E2424404	EC12E2424404	J	25 (12)	With	24	24	2.66	2.28	1.90	1.71

ALPS SRGP HOLLOW SHAFT ENCODERS

- Rating: 10mA @ 5 VDC
- Output voltage: 1V max @ 1mA 5VDC
- Operating life: 50,000 cycles
- Applications include automotive navigation systems, audio systems, LCD monitors, general electronic devices

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Rotational Torque	Output Code	Holder	No. of Detents	Price Each 1	25	50	100
688-SRGP200200	SRGP200200	K	7+/-3mN*m	10	-----	20	4.36	3.74	3.12	2.80
688-SRGPWJ0500	SRGPWJ0500	L	13+/-4mN*m	16	-----	16	4.36	3.74	3.12	2.80
688-SRGPWJ0200	SRGPWJ0200	L	6.5+/-4mN*m	16	-----	32	4.36	3.74	3.12	2.80

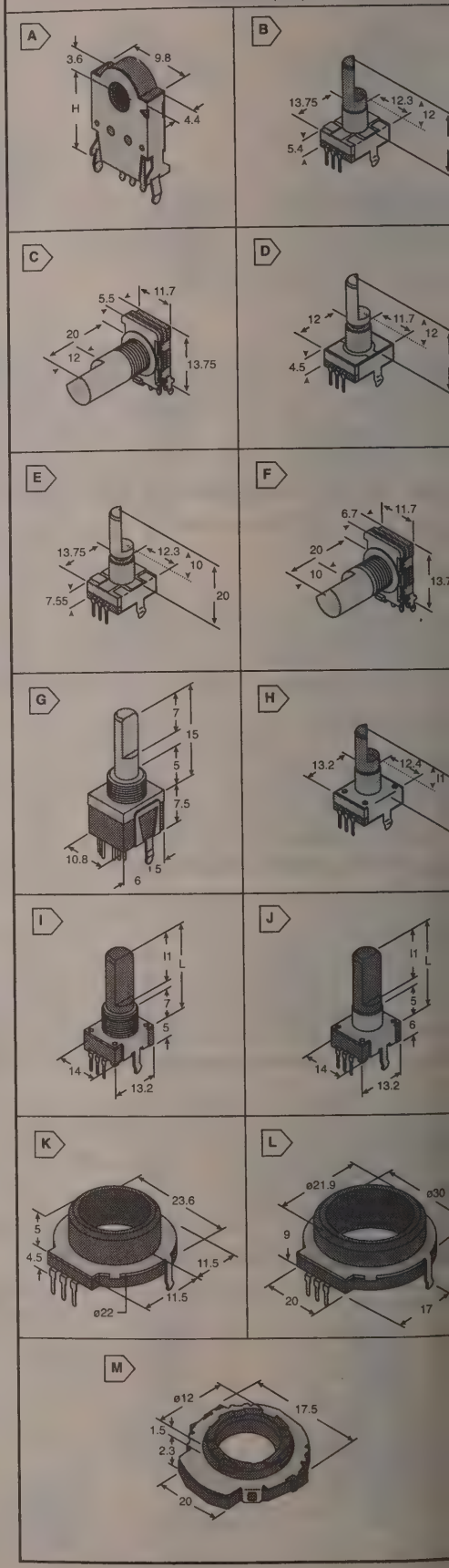
ALPS SRGP30 HOLLOW SHAFT SURFACE MOUNT ENCODER

- Tact switch in the hollow
- Rating: 10mA @ 5 VDC
- Output voltage: 1V max @ 1mA 5VDC
- Operating life: 50,000 cycles
- Applications include operation of mobile phones, switching modes for automotive audio systems, operation of cameras, headphones, etc.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Rotational Torque	Res.	No. of Detents	Price Each 1	25	50	100
688-SRGP300100	SRGP300100	M	5+/-2.5mN*m	9	18	4.36	3.74	3.12	2.80

DIMENSIONS (mm)



MOUSER ELECTRONICS a ttl company

ODEL EX11 MINIATURE INCREMENTAL ROTARY PTICAL SHAFT ENCODERS

ecifications:
Veight: 2.0 oz. (Approx.)
upply Voltage: +5 volts ±5% @ 80mA max.
perating Temperature: -10°C to +70°C
.1" Diameter

Features:
- Glass filled polycarbonate housing
- 1/8" Stainless steel shaft and precision bearings
- Line counts up to 1024 PPR

lates with FCI-Berg Header Pin 65863-165

For quantities 25 and up, call for quote.

OUSER STOCK NO. / fr. Mfr. Part No.	Pulses Per Revolution	Mounting	Price Each 1	5	10
2—EX113-256-1	256	Servo	204.75	172.90	159.25
2—EX113-500-1	500	Servo	204.75	172.90	159.25
2—EX113-512-1	512	Servo	204.75	172.90	159.25
2—EX113-1000-1	1000	Servo	204.75	172.90	159.25
2—EX113-1024-1	1024	Servo	204.75	172.90	159.25
2—EX113-256-2	256	Flange	204.75	172.90	159.25
2—EX113-500-2	500	Flange	204.75	172.90	159.25
2—EX113-512-2	512	Flange	204.75	172.90	159.25
2—EX113-1000-2	1000	Flange	204.75	172.90	159.25
2—EX113-1024-2	1024	Flange	204.75	172.90	159.25
2—EX116-256-1	256	Servo	209.25	176.70	162.75
2—EX116-500-1	500	Servo	209.25	176.70	162.75
2—EX116-512-1	512	Servo	209.25	176.70	162.75
2—EX116-1000-1	1000	Servo	209.25	176.70	162.75
2—EX116-1024-1	1024	Servo	209.25	176.70	162.75

Pinout

Pin No.	Color	Signal
1	Brown	N/C
2	Red	+5V
3	Orange	$\overline{B}$
4	Yellow	B
5	Green	Index
6	Blue	Index
7	Violet	$\overline{A}$
8	Gray	A
9	White	N/C
10	Black	Ground

ODEL MX15 MODULAR INCREMENTAL ROTARY PTICAL ENCODERS

ecifications:
eight: 2.0 oz. (Approx.)
upply Voltage: +5 volts ±5% @ 80mA max.
perating Temperature: -10°C to +70°C
54" Diameter
dex Option: Ungated

Features:
- Unsealed housing unit must be protected from harsh environments
- Resolutions to 1024 PPR
- Increased MTBF

ates with FCI-Berg Header Pin 65863-165

For quantities 25 and up, call for quote.

MOUSER STOCK NO. / r. Mfr. Part No.	Pulses Per Revolution	Bore Size	Price Each 1	5	10
2—MX153-25-500-U-T	500	.25"	213.75	180.50	166.25
2—MX153-25-512-U-T	512	.25"	213.75	180.50	166.25
2—MX153-25-1000-U-T	1000	.25"	213.75	180.50	166.25
2—MX153-25-1024-U-T	1024	.25"	213.75	180.50	166.25
2—MX153-38-500-U-T	500	.375"	213.75	180.50	166.25
2—MX153-38-512-U-T	512	.375"	213.75	180.50	166.25
2—MX153-38-1000-U-T	1000	.375"	213.75	180.50	166.25
2—MX153-38-1024-U-T	1024	.375"	213.75	180.50	166.25

Pinout

Pin No.	Signal
1	N/C
2	Index
3	N/C
4	+5V
5	Data B
6	Data A
7	Ground

ODEL MX21 MODULAR INCREMENTAL ROTARY PTICAL ENCODERS

cifications:
ight: 2.1 oz. (Approx.)
pply Voltage: +5 volts ±5% @ 80mA max.
erating Temperature: -10°C to +70°C
25" Diameter
ex Option: Ungated

Features:
- Unsealed housing unit must be protected from harsh environments
- Resolutions to 1024 PPR
- Increased MTBF

tes with FCI-Berg Header Pin 65863-165

For quantities 25 and up, call for quote.

OUSER STOCK NO. / Mfr. Part No.	Pulses Per Revolution	Bore Size	Price Each 1	5	10
—MX213-25-500-U	500	.25"	162.00	136.80	126.00
—MX213-25-512-U	512	.25"	162.00	136.80	126.00
—MX213-25-1000-U	1000	.25"	162.00	136.80	126.00
—MX213-25-1024-U	1024	.25"	162.00	136.80	126.00
—MX213-38-500-U	500	.375"	162.00	136.80	126.00
—MX213-38-512-U	512	.375"	162.00	136.80	126.00
—MX213-38-1000-U	1000	.375"	162.00	136.80	126.00
—MX213-38-1024-U	1024	.375"	162.00	136.80	126.00
—MX213-50-500-U	500	.5"	162.00	136.80	126.00
—MX213-50-512-U	512	.5"	162.00	136.80	126.00
—MX213-50-1000-U	1000	.5"	162.00	136.80	126.00
—MX213-50-1024-U	1024	.5"	162.00	136.80	126.00
—MX216-25-500-U	500	.25"	202.50	171.00	157.50
—MX216-25-512-U	512	.25"	202.50	171.00	157.50
—MX216-25-1000-U	1000	.25"	202.50	171.00	157.50
—MX216-25-1024-U	1024	.25"	202.50	171.00	157.50
—MX216-38-500-U	500	.375"	202.50	171.00	157.50
—MX216-38-512-U	512	.375"	202.50	171.00	157.50
—MX216-38-1000-U	1000	.375"	202.50	171.00	157.50
—MX216-38-1024-U	1024	.375"	202.50	171.00	157.50
—MX216-50-500-U	500	.5"	202.50	171.00	157.50
—MX216-50-512-U	512	.5"	202.50	171.00	157.50
—MX216-50-1000-U	1000	.5"	202.50	171.00	157.50
—MX216-50-1024-U	1024	.5"	202.50	171.00	157.50

MX213 Pinout

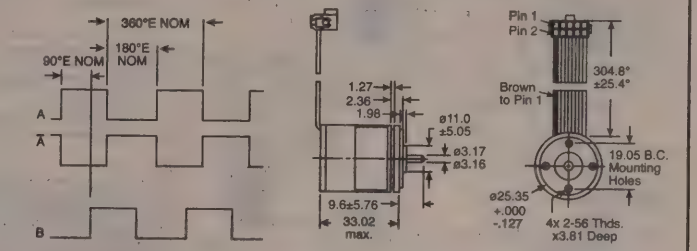
Pin No.	Signal
1	Channel A
2	+5V
3	Ground
4	N/C
5	N/C
6	N/C
7	N/C
8	Channel B
9	N/C
10	Index

MX216 Pinout

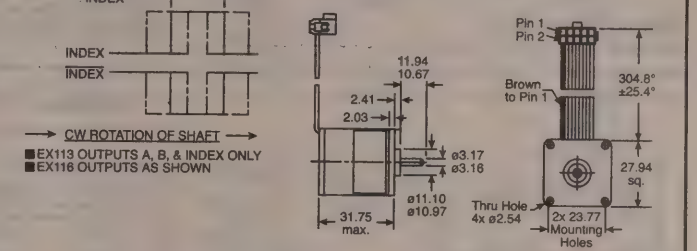
Pin No.	Signal
1	N/C
2	+5V
3	Ground
4	N/C
5	Channel $\overline{A}$
6	Channel A
7	Channel $\overline{B}$
8	Channel B
9	Index
10	Index

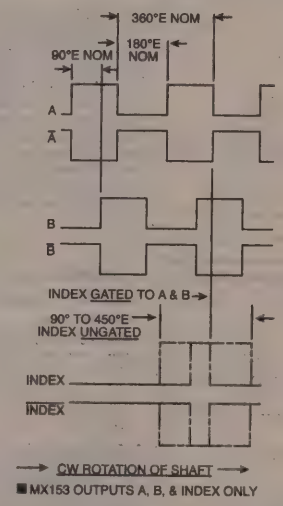
DIMENSIONS (mm)

Model EX11-Servo Mount

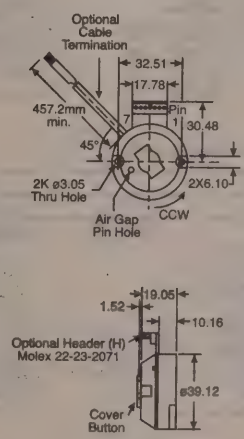


Model EX11-Flange Mount

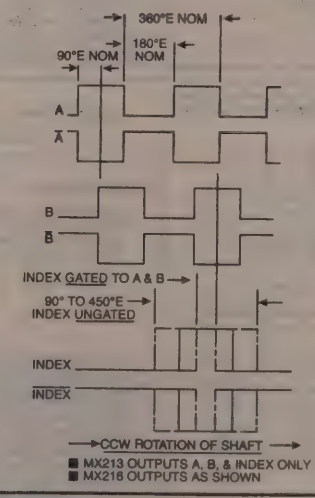


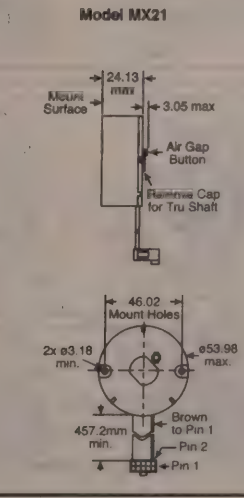


Model MX15



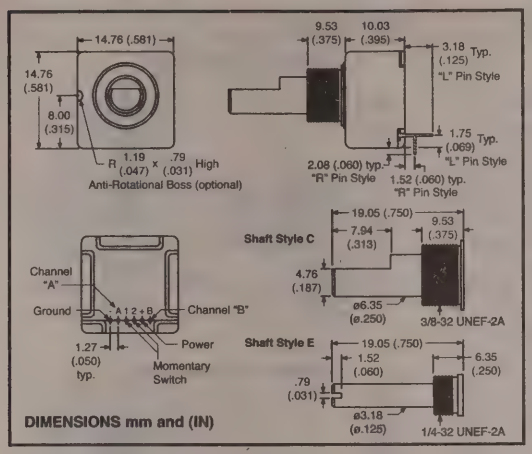
Model MX21





BEI Duncan

Encoders



14MM ROTARY OPTICAL ENCODER WITH SWITCH, LEAD FREE

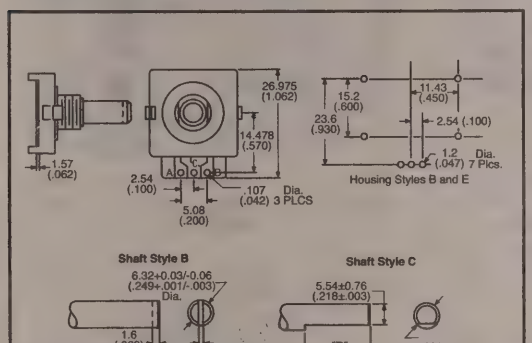
LEAD-FREE

Features:
- Lead free
- HCMOS, CMOS and TTL compatible
- Compact package size
- High rotational cycle life
- Optional "soft touch" push switch
- Optional detent
- Splashproof shaft seal
- Recommended for human/machine interface applications (HMI)

Electrical Characteristics:
- Electrical output: 2-bit quadrature code
- Resolution: 8 - 64 pulses per revolution (PPR)
- Operating Temperature Range: -40°C to +70°C

Mechanical Characteristics:
- Rotational life:
  Non-detent (@100RPM), 1,000,000 cycles
  With detent (@30RPM), 100,000 cycles

MOUSER STOCK NO.	Bourns Part No.	Shaft Type	Pulses /Rev.	Switch	Price Each					
					1	5	10	25	50	10
652-EM14A0D-C24-L08N	EM14A0D-C24-L008N	C	8	no	25.58	23.27	21.48	19.89	16.28	13.
652-EM14A0D-C24-L32N	EM14A0D-C24-L032N	C	32	no	25.58	23.27	21.48	19.89	16.28	13.
652-EM14A0D-C24-L64N	EM14A0D-C24-L064N	C	64	no	25.58	23.27	21.48	19.89	16.28	13.
652-EM14C0D-E24-L16S	EM14C0D-E24-L016S	E	16	yes	27.29	24.83	22.91	21.23	17.37	14.
652-EM14C0D-E24-L32S	EM14C0D-E24-L032S	E	32	yes	27.29	24.83	22.91	21.23	17.37	14.
652-EM14C0D-E24-L64S	EM14C0D-E24-L064S	E	64	yes	27.29	24.83	22.91	21.23	17.37	14.

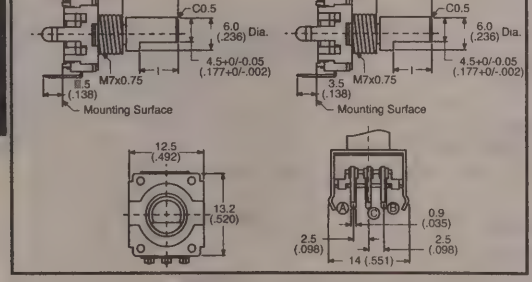


EC SERIES "SLIMLINE" 22MM DIGITAL ENCODER

Specifications:
- Rotational Life: 200k shaft revolutions
- 2 channel quadrature output signal
- Operating Temperature: +1°C to +85°C

Features:
- Space saving low profile design
- Plastic shaft and bushing
- FR4 element design
- Long operating life
- Optional detents

MOUSER STOCK NO.	Bourns Part No.	Shaft Type	Detents	Pulses /Rev.	Price Each					
					1	5	10	25	50	10
652-ECW0J-C24-BE0024	ECW0J-C24-BE0024	C	0	24	3.82	3.27	3.73	2.45	2.18	1.9
652-ECW0J-C24-BE0036	ECW0J-C24-BE0036	C	0	36	3.82	3.27	3.73	2.45	2.18	1.9
652-ECW0J-C24-BC0006	ECW0J-C24-BC0006	C	24	6	4.24	3.63	3.03	2.72	2.42	2.1
652-ECW1J-C24-BC0024	ECW1J-C24-BC0024	C	24	24	4.24	3.63	3.03	2.72	2.42	2.1
652-ECW0J-B24-BE0024	ECW0J-B24-BE0024	B	0	24	3.82	3.27	3.73	2.45	2.18	1.9
652-ECW0J-B24-BE0036	ECW0J-B24-BE0036	B	0	36	3.82	3.27	3.73	2.45	2.18	1.9
652-ECW0J-B24-BC0006	ECW0J-B24-BC0006	B	24	6	4.24	3.63	3.03	2.72	2.42	2.1
652-ECW1J-B24-BC0024	ECW1J-B24-BC0024	B	24	24	4.24	3.63	3.03	2.72	2.42	2.1



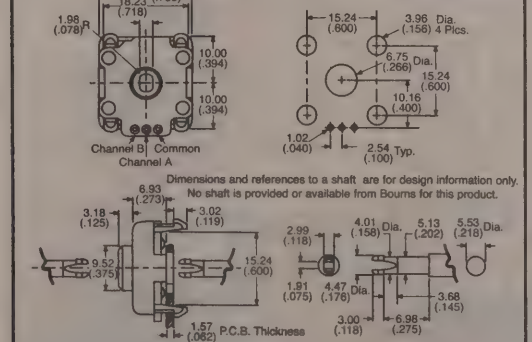
12MM INCREMENTAL ENCODER

Specifications:
- Electrical Output: 2-bit gray code quadrature output
- Resolution: 12,18 and 24 PPR (pulses per revolution)
- Temperature Rating: -30°C to +70°C
- Rotational Life: 30k cycles
- Switch Life: 20k cycles

Features:
- Metal shaft and bushing
- Mounting bracket
- Push switch option
- Compact, rugged design
- Switch travel, 0.5mm (.020")

Applications:
- Audio-visual equipment
- Consumer electric appliances
- Radios
- Musical instrumentation
- Communications equipment

MOUSER STOCK NO.	Bourns Part No.	Switch	Detents	Price Each					
				1	5	10	25	50	10
652-PEC11-4220F-N12	PEC11-4220F-N0012	No	12	1.20	1.00	.96	.85	.79	.7
652-PEC11-4125F-N18	PEC11-4125F-N0018	No	18	1.20	1.00	.96	.85	.79	.7
652-PEC11-4220F-N24	PEC11-4220F-N0024	No	24	1.20	1.00	.96	.85	.79	.7
652-PEC11-4220F-S12	PEC11-4220F-S0012	Yes	12	1.35	1.22	1.08	1.08	.88	.8
652-PEC11-4125F-S18	PEC11-4125F-S0018	Yes	18	1.35	1.22	1.08	1.08	.88	.8
652-PEC11-4225F-S24	PEC11-4225F-S0024	Yes	24	1.35	1.22	1.08	1.08	.88	.8



SHAFTLESS 20MM DIGITAL ENCODER

Specifications:
- Rotational Life: 30k cycles
- Electrical Output: 2-bit gray code quadrature output
- Operating Temperature: +1°C to +85°C

Features:
- Snap in bracket design
- FR4 element design
- Long operating life
- Optional detents

MOUSER STOCK NO.	Bourns Part No.	Detents	Pulses/ Rev.	Price Each					
				1	5	10	25	50	10
652-ESD0D-S00-GE0006	ESD0D-S00-GE0006	0	6	8.54	7.32	6.71	6.10	4.88	4.2
652-ESD0D-S00-GE0024	ESD0D-S00-GE0024	0	24	9.56	8.19	7.51	6.83	5.46	4.7
652-ESD0D-S00-GC0006	ESD0D-S00-GC0006	24	6	7.77	6.66	6.11	5.55	4.44	3.8
652-ESD0D-S00-GC0024	ESD0D-S00-GC0024	24	24	8.96	7.68	7.04	6.40	5.12	4.4

PA3/MPB/MPA6 SERIES PANEL MOUNT PUSHBUTTON SWITCHES

lack cap provided with MPA3 series
perating force: MPA3/MPB = SPST - 10oz.; SPDT - 16 oz. :(MPA6 = 1.3-2.7 lbs)
ontact material: MPA3 = Silver clad; MPB = Silver plate, MPA6 = Silver clad
opper w/gold flash
ontact timing: Break-before-make
erminal material: MPA3 and MPB = Silver plate: (MPA6 = Copper w/gold flash)

- Contact resistance: MPA3/MPB = 20 mΩ max., MPA6 = 10 mΩ max.
- Terminal seal molded in on MPA6
- Actuator material: MPA3/MPB = Polyamide; (MPA6 = Nickel plated copper alloy)
- Case material: Thermoset

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Contact Form	Switch Function	Contact Rating	Mounting	Price Each 1	25	50
PA3 SERIES									
06-MPA103B	MPA103B	A	SPST	NC Mom.	3 A	PCB	4.77	4.51	3.98
06-MPA103C	MPA103C	A	SPST	NO Mom.	3 A	PCB	3.10	2.92	2.58
06-MPA103D	MPA103D	A	SPDT	Push-on/Push-Off	3 A	PCB	5.80	5.47	4.83
06-MPA103F	MPA103F	A	SPDT	Momentary	3 A	PCB	8.12	7.67	6.77
PB SERIES									
06-MPB103B	MPB103B	B	SPST	NC	3 A	PCB	2.66	2.52	2.22
06-MPB103C	MPB103C	B	SPST	NO	3 A	PCB	3.24	3.06	2.70
PA6 SERIES									
06-MPA106D	MPA106D	C	SPDT	Push-on/Push-Off	6 A	Wire lug	8.69	8.21	7.25
06-MPA106F	MPA106F	C	SPDT	Momentary	6 A	Wire lug	12.26	11.58	10.22
06-MPA206N	MPA206N	D	DPDT	Push-on/Push-Off	6 A	Wire lug	11.95	11.29	9.96
06-MPA206R	MPA206R	D	DPDT	Momentary	6 A	Wire lug	10.15	9.59	8.46
06-MPA406N	MPA406N	E	4PDT	Push-on/Push-Off	6 A	Wire lug	23.29	22.00	19.41
06-MPA406R	MPA406R	E	4PDT	Momentary	6 A	Wire lug	19.53	18.45	16.28

PE SERIES PANEL MOUNT SPLASHPROOF PUSHBUTTON SWITCHES

ring on shoulder and inside moveable shaft provides splashproof seal
ontact material: Silver clad copper w/ gold flash
ase material: Thermoset
ctuator material: Nickel plated copper alloy

- Operating force: 1.3-2.7 lbs.
- Contact timing: Break-before-make
- Contact resistance: 10 mΩ max.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Contact Form	Switch Function	Contact Rating	Mounting	Price Each 1	25	50
6-MPE106D	MPE106D	C	SPDT	Push-on/Push-off	6 A	Wire lug	11.34	10.71	9.45
6-MPE106F	MPE106F	C	SPDT	Momentary	6 A	Wire lug	9.56	9.03	7.97
6-MPE206N	MPE206N	D	DPDT	Push-on/Push-off	6 A	Wire lug	16.88	15.95	14.07
6-MPE206R	MPE206R	D	DPDT	Momentary	6 A	Wire lug	12.65	11.95	10.55
6-MPE406N	MPE406N	E	4PDT	Push-on/Push-off	6 A	Wire lug	22.05	20.83	18.38
6-MPE406R	MPE406R	E	4PDT	Momentary	6 A	Wire lug	24.35	23.00	20.30

PG SERIES PUSHBUTTON SWITCHES

ack cap supplied
rminal seal molded in.
ntact material: Silver clad copper w/ gold flash

- Case material: Thermoset
- Operating force: 1.3-2.7 lbs.
- Contact timing: Break-before-make
- Contact resistance: 10 mΩ max.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Contact Form	Switch Function	Contact Rating	Mounting	Price Each 1	25	50
6-MPG106D	MPG106D	F	SPDT	Push-on/Push-off	6 A	Wire lug	10.87	10.27	9.06
6-MPG106F	MPG106F	F	SPDT	Momentary	6 A	Wire lug	8.98	8.48	7.49
6-MPG206N	MPG206N	G	DPDT	Push-on/Push-off	6 A	Wire lug	15.91	15.03	13.26
6-MPG206R	MPG206R	G	DPDT	Momentary	6 A	Wire lug	15.68	14.81	13.07
6-MPG406N	MPG406N	H	4PDT	Push-on/Push-off	6 A	Wire lug	24.59	23.22	20.49
6-MPG406R	MPG406R	H	4PDT	Momentary	6 A	Wire lug	26.60	25.13	22.17

CCESSORIES FOR PUSHBUTTON SWITCHES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Description	Price Each 1	25	50
6-BP14400	BP14400	I	Black 1/4-40 boot seal for MPA3	3.43	3.12	2.57
6-BPA14400	BPA14400	J	Black 1/4-40 boot seal for MPA3	3.43	3.12	2.57
6-BPM15320	BPM15320	K	Black 1/4-40 seal adapter for MPA6	5.08	4.62	3.81
6-C220-AG	C220-AG	L	Black snapfit cap for MPA6	.64	.58	.48
6-C230-AG	C230-AG	M	Black snapfit cap for MPA6	.81	.74	.61
6-C232	C232	M	Red snapfit cap for MPA6	.77	.70	.58
6-C235-AG	C235-AG	M	Green snapfit cap for MPA6	.92	.84	.69
6-G12A	G12A	N	Clear aluminum plain finish button guard for C22	2.27	2.06	1.70
6-G12B	G12B	N	Black aluminum plain finish button guard for C22	1.28	1.16	.96
6-G12KA	G12KA	O	Clear aluminum knurled finish button guard for C22	1.74	1.58	1.30
6-G12KB	G12KB	O	Black aluminum knurled finish button guard for C22	2.38	2.16	1.78
6-BP15320	BP15320	P	Black 15/32-32 boot seal for MPG	2.93	2.66	2.19

IY PUSHBUTTON SWITCHES

Series Tiny Pushbutton Switches

uator material: Polyimide
ntact material: Gold over nickel barrier
minal material: Tin lead plate

- Terminal seal: Epoxy
- Operating force: 260g
- Contact rating: 0.4 VA @ 20 VDC
- Contact timing: Break-before-make
- Contact resistance: 20 mΩ max.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Contact Form	Bushing Diameter	Price Each 1	25	50	100
ight Mount								
TPB11CGPC0	TPB11CGPC0	Q	SPST N.O. Mom	.188"	3.60	3.40	3.00	2.70
TPB11FGPC0	TPB11FGPC0	Q	SPDT Mom	10-48	5.17	4.88	4.31	3.87
t Angle Mount								
TPB11CGRA0	TPB11CGRA0	R	SPST N.O. Mom	.188"	4.07	3.84	3.39	3.05
TPB11FGRA0	TPB11FGRA0	R	SPDT Mom	10-48	5.02	4.74	4.19	3.77

TPF Series Tiny Pushbutton Switches

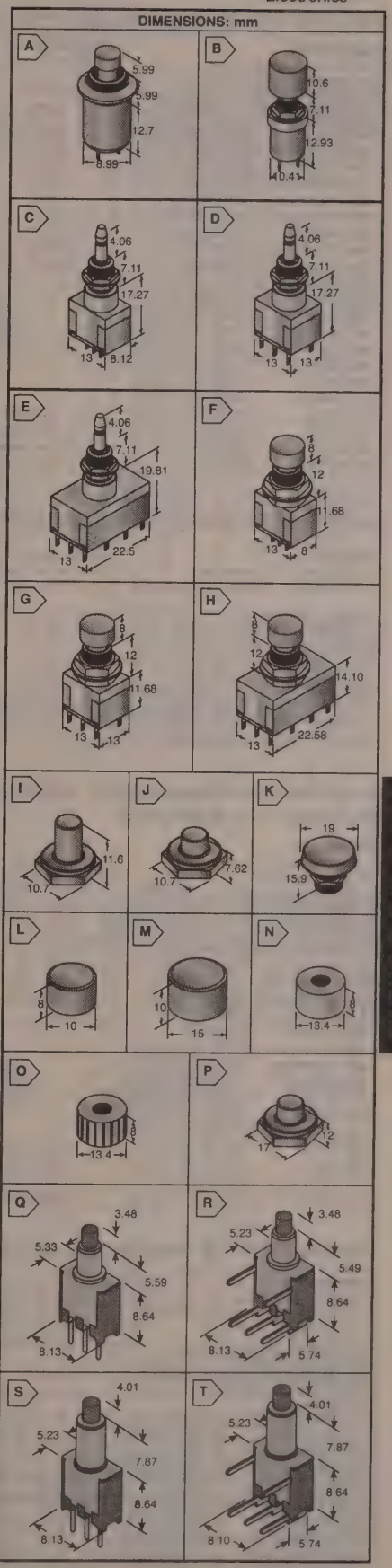
ator material: Polyimide
tact material: Gold over nickel barrier
inal material: Tin lead plate

- Terminal seal: Epoxy
- Operating force: 50-400 grams
- Contact rating: 0.4 VA @ 20 VDC
- Contact timing: Break-before-make
- Contact resistance: 20 mΩ max.

For quantities of 500 and up, call for quote.

ght Mount								
TPD11CGPC0	TPD11CGPC0	S	SPST N.O. Mom	.250"	4.43	4.18	3.69	3.82
TPF11FGPC0	TPF11FGPC0	S	SPST N.O. Mom	1/4-40	8.35	7.89	6.96	6.26
t Angle Mount								
TPD11CGRA0	TPD11CGRA0	T	SPST N.O. Mom	.250"	5.06	4.78	4.22	3.79
TPF11FGRA0	TPF11FGRA0	T	SPST N.O. Mom	1/4-40	9.38	8.86	7.82	7.03

DIMENSIONS: mm



ALCOSWITCH Pushbutton Switches

ALCOSWITCH MPS SERIES SNAP ACTION PUSHBUTTON SWITCHES

Specifications:
- Actuator material: Copper alloy, nickel plate
- Contact material: Silver
- Terminal material: Silver
- Terminal seal: Epoxy
- Case material: Epoxy resin
- Operating force: Single pole = 7-14 oz. Double pole = 14-25 oz.
- Contact timing: Break-before-make
- Contact resistance: 10 mΩ max.
- Contact rating: 3A @ 115VAC

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Switch Function	Mounting	Price Each 1	25	50
506-MPS103D	MPS103D	A	SPDT	Push-on/Push-off	Wire Lug	10.69	10.10	8.91
506-MPS103DPC	MPS103DPC	B	SPDT	Push-on/Push-off	PC terminals	10.71	10.12	8.93
506-MPS103F	MPS103F	A	SPDT	Momentary	Wire Lug	5.00	4.73	4.17
506-MPS103FPC	MPS103FPC	B	SPDT	Momentary	PC terminals	4.77	4.51	3.98
506-MPS103FRA	MPS103FRA	C	SPDT	Momentary	R/A PC	8.06	7.62	6.72
506-MPS103FPCV	MPS103FPCV	D	SPDT	Momentary	PC w/ support	9.70	9.16	8.09
506-MPS203N	MPS203N	E	DPDT	Push-on/Push-off	Wire Lug	12.69	11.99	10.58
506-MPS203NPC	MPS203NPC	F	DPDT	Push-on/Push-off	PC terminals	13.01	12.29	10.85
506-MPS203R	MPS203R	E	DPDT	Momentary	Wire Lug	10.46	9.88	8.72
Accessories for MPS			**Description**					
506-BP14400	BP14400	O	Black 1/4-40 boot seal for MPS			3.43	3.12	2.57
506-BPA14400	BPA14400	P	Black 1/4-40 boot seal for MPS			3.43	3.12	2.57
506-BPM15320	BPM15320	Q	Black 1/4-40 seal adapter for MPS			5.08	4.62	3.81
506-C220-AG	C220-AG	R	Black snapfit cap for MPS			.64	.58	.48
506-C230-AG	C230-AG	S	Black snapfit cap for MPS			.81	.74	.61
506-C232	C232	S	Red snapfit cap for MPS			.77	.70	.58
506-C235-AG	C235-AG	S	Green snapfit cap for MPS			.92	.84	.69
506-G12A	G12A	T	Clear aluminum plain finish button guard for C220			2.27	2.06	1.70
506-G12B	G12B	T	Black aluminum plain finish button guard for C220			1.28	1.16	.96
506-G12KA	G12KA	U	Clear aluminum knurled finish button guard for C220			1.74	1.58	1.30
506-G12KB	G12KB	U	Black aluminum knurled finish button guard for C220			2.38	2.16	1.78

ALCOSWITCH MSP3/MSPS SERIES PANEL MOUNT PUSHBUTTON SWITCHES

Specifications:
- Actuator material: Thermoplastic
- Contact material: Silver plate over copper alloy
- Terminal material: Silver plate
- Case material: Thermoplastic
- Contact rating: MSP = 3A @ 125 VAC; MSPS = 0.5A @ 125VAC
- Operating force: Single pole = 7-14 oz. Double pole = 14-25 oz.
- Contact timing: Break-before-make
- Contact resistance: 100 mΩ max.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Switch Function	Cap Color	Price Each 1	25	50
506-MSP103B	MSP103B	G	SPST	Normally Closed	Black	2.63	2.48	2.19
506-MSP103C0	MSP103C0	G	SPST	Normally Open	Black	2.79	2.64	2.33
506-MSPS103B	MSPS103B	H	SPST	Normally Closed	Black	1.26	1.19	1.05
506-MSPS103C	MSPS103C	H	SPST	Normally Open	Red	1.46	1.38	1.22
506-MSPS103C0	MSPS103C0	H	SPST	Normally Open	Black	1.17	1.11	.98

ALCOSWITCH MSPM SERIES HERMETICALLY SEALED PUSHBUTTON SWITCHES

Specifications:
- Actuator material: Polyamide
- Contact material: Gold
- Case material: Steel
- Contact rating: 1.0 VA
- Operating force: 4-7 oz.
- Life expectancy: 5 million cycles @ 0.1 VA
- Contact resistance: 100 mΩ max.

For quantities of 100 and up, call for quote.

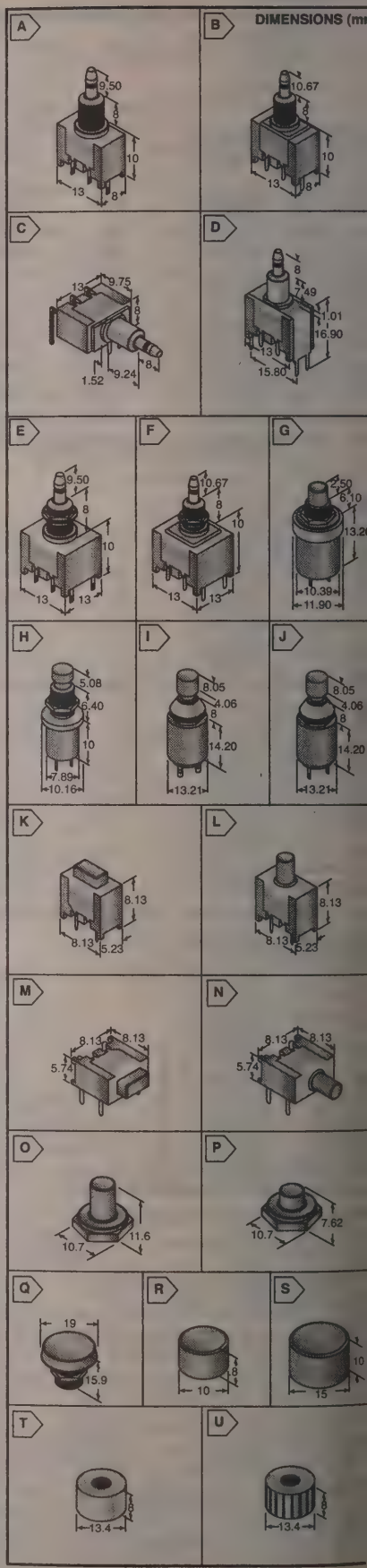
MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Switch Function	Cap Color	Mount Type	Price Each 1	25	50
506-MSPM101B0	MSPM101B0	I	SPST	Normally Closed	Black	Pin	20.12	19.01	16.77
506-MSPM101B1	MSPM101B1	J	SPST	Normally Closed	Black	Lug	20.32	19.19	16.94
506-MSPM101C1	MSPM101C1	J	SPST	Normally Open	Red	Lug	20.59	19.45	17.16
506-MSPM101C2	MSPM101C2	I	SPST	Normally Open	Red	Pin	23.31	22.02	19.43
Accessories for MSPM			**Description**						
506-BP14400	BP14400	O	Black 1/4-40 boot seal for MSPM				3.43	3.12	2.57
506-BPA14400	BPA14400	P	Black 1/4-40 boot seal for MSPM				3.43	3.12	2.57
506-BPM15320	BPM15320	Q	Black 1/4-40 seal adapter for MSPM				5.08	4.62	3.81
506-C220-AG	C220-AG	R	Black snapfit cap for MSPM				.64	.58	.48
506-C230-AG	C230-AG	S	Black snapfit cap for MSPM				.81	.74	.61
506-C232	C232	S	Red snapfit cap for MSPM				.77	.70	.58
506-C235-AG	C235-AG	S	Green snapfit cap for MSPM				.92	.84	.69
506-G12A	G12A	T	Clear aluminum plain finish button guard for C220				2.27	2.06	1.70
506-G12B	G12B	T	Black aluminum plain finish button guard for C220				1.28	1.16	.96
506-G12KA	G12KA	U	Clear aluminum knurled finish button guard for C220				1.74	1.58	1.30
506-G12KB	G12KB	U	Black aluminum knurled finish button guard for C220				2.38	2.16	1.78

ALCOSWITCH TP SERIES TINY PUSHBUTTON SWITCHES

Specifications:
- Actuator material: Polyamide
- Contact material: Gold over nickel barrier
- Terminal material: Tin lead plate
- Terminal seal: Epoxy
- Operating force: 50-400 grams
- Contact rating: 0.4 VA @ 20 VDC
- Contact timing: Break-before-make
- Contact resistance: 20 mΩ max.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Actuator Type/Color	Price Each 1	25	50
Straight Mount							
506-TP11CGPC0	TP11CGPC0	K	SPST N.O. Mom	Square/Black	1.76	1.67	1.47
506-TP11CGPC2	TP11CGPC2	K	SPST N.O. Mom	Square/Red	3.87	3.66	3.23
506-TPA11CGPC0	TPA11CGPC0	L	SPST N.O. Mom	Round/Black	2.84	2.69	2.37
506-TPA11CGPC2	TPA11CGPC2	L	SPST N.O. Mom	Round/Red	3.69	3.49	3.08
Right Angle Mount							
506-TP11CGRA0	TP11CGRA0	M	SPST N.O. Mom	Square/Black	3.10	2.92	2.58
506-TP11CGRA2	TP11CGRA2	M	SPST N.O. Mom	Square/Red	3.98	3.76	3.32
506-TPA11CGRA2	TPA11CGRA2	N	SPST N.O. Mom	Round/Red	3.38	3.20	2.82
506-TPA11CGRA0	TPA11CGRA0	N	SPST N.O. Mom	Round/Black	4.19	3.96	3.50



ALPS SDKN SERIES: 0.5A 125VAC QUALIFIED POWER SWITCHES

ecifications:
Rating: 0.5A @ 125VAC
Operating life: 6,000 cycles

Applications:
- Switches up to 20W lamps and microcomputers for detection of whether a refrigerator door is open or closed, or any similar application

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Contact Form	Travel (mm)	Operation Type	Operating Force	Price Each 1	25	50	100	200
8-SDKNA20600	SDKNA20600	A	SPDT	9.0	Push	3.5 N ± 1N	3.02	2.81	2.59	2.42	2.33
8-SDKNA20700	SDKNA20700	B	SPDT	9.7	Lever	2 N ± 1.5N	3.02	2.81	2.59	2.42	2.33

ALPS TV-3 QUALIFIED POWER SWITCHES

ecifications:
L, CSA, SEMKO, BS, SEV, and VDE rated
ating: 4A @ 250VAC
perating life: 25,000 cycles

Applications:
- Power on/off switch for audio equipment or any electronic appliance

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Contact Form	Travel (mm)	Mounting Style	Terminal Style	Price Each 1	25	50	100	200
8-SDDLD10900	SDDLD10900	C	SPST	1.5	M3-screw	Solder	2.04	1.89	1.75	1.63	1.57
8-SDDLD10500	SDDLD10500	C	SPST	1.5	ø3.2 hole	Solder	2.15	2.00	1.85	1.72	1.66
8-SDDLD12200	SDDLD12200	D	SPST	1.5	Snap-in	PC board	2.15	2.00	1.85	1.72	1.66

ALPS TV-5 QUALIFIED POWER SWITCHES

ecifications:
L, CSA, SEMKO, BS, and VDE rated
ating: 5A @ 250VAC
perating life: 25,000 cycles

tures:
DKVB10100 has a built-in detector switch

Applications:
- Power on/off switch for televisions, computers, audio devices, etc.
- Any electronic equipment which requires resistance against high inrush current

For quantities of 500 and up, call for quote.

8-SDKLA10100	SDKLA10100	E	SPST	2.5	M3-screw	Solder	1.51	1.08	.99	.95	.80
8-SDKLA10900	SDKLA10900	F	SPST	2.5	ø3.2 hole	Solder	1.51	1.08	.99	.95	.80
8-SDKLA10200	SDKLA10200	G	SPST	2.5	Snap-in	PC board	1.51	1.08	.99	.95	.80
8-SDKLA10300	SDKLA10300	H	SPST	2.5	M3-screw	PC board	1.51	1.08	.99	.95	.80
8-SDKLA10800	SDKLA10800	I	SPST	2.5	M3-screw	QC #110	2.04	1.46	1.34	1.28	1.08
8-SDKEC30100	SDKEC30100	J	DPST	2.5	Snap-in	PC board	4.07	2.91	2.67	2.56	2.15
8-SDKVA30100	SDKVA30100	K	DPST	2.5	Snap-in	PC board	3.49	2.49	2.29	2.19	1.84
8-SDKVA30200	SDKVA30200	L	DPST	2.5	M3-screw	PC board	3.49	2.49	2.29	2.19	1.84
8-SDKVB10100	SDKVB10100	M	SPST	2.5	Snap-in	PC board	2.91	2.08	1.91	1.83	1.54
8-SDKVB10200	SDKVB10200	N	SPST	2.5	Snap-in	PC board	2.31	1.65	1.52	1.45	1.22
8-SDKVB10300	SDKVB10300	O	SPST	2.5	Snap-in	PC board	2.79	2.00	1.84	1.76	1.48

ALPS TV-8 QUALIFIED POWER SWITCHES

ecifications:
L, CSA, SEMKO, BS, DEMKO, NEMKO,
EV and VDE rated
ating: 8A @ 250VAC

Applications:
- Power on/off switch for televisions, computers, audio devices, office equipment, etc.

For quantities of 500 and up, call for quote.

8-SDDFA31900	SDDFA31900	P	DPST	1.5	ø3.2 hole	PC board	6.11	4.36	4.01	3.84	3.23
8-SDDFA32200	SDDFA32200	P	DPST	4.0	ø3.2 hole	PC board	6.11	4.36	4.01	3.84	3.23
8-SDDFC10100	SDDFC10100	Q	SPST	2.5	Snap-in	PC board	3.78	2.70	2.48	2.38	2.00
8-SDDFC30400	SDDFC30400	Q	DPST	2.5	Snap-in	PC board	4.07	2.91	2.67	2.56	2.15

ALPS PCB MOUNT PUSH SWITCHES

cifications:
ting for all
cept SPED110100): 0.1A @ 30VDC
ting for SPED110100: 1A @ 14.5VDC
n-shorting

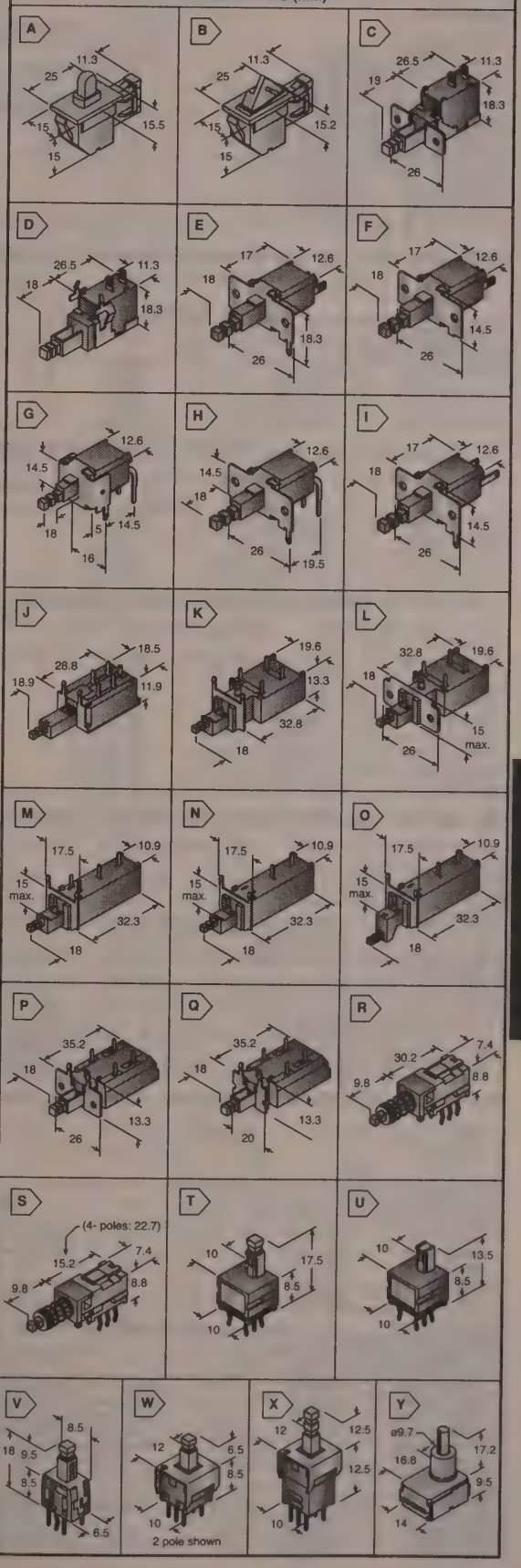
Applications:
- Various applications in home electronic equipment, audio, game machines, etc.

Features:
- SPUJ126900 has red LED indicator

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Contact Form	No. of Poles	Travel (mm)	Terminal Style	Price Each 1	25	50	100	200
rizontal type											
-SPUJ126900	SPUJ126900	R	Latching	2	2	Snap-in	3.19	2.45	2.21	1.96	1.76
-SPUJ191000	SPUJ191000	S	Latching	2	2	Snap-in	1.13	.87	.79	.70	.63
-SPUJ191900	SPUJ191900	S	Momentary	2	2	Snap-in	1.13	.87	.79	.70	.63
-SPUJ190900	SPUJ190900	S	Latching	2	2	Straight	1.13	.87	.79	.70	.63
-SPUJ191500	SPUJ191500	S	Momentary	2	2	Straight	1.13	.87	.79	.70	.63
-SPUJ193700	SPUJ193700	S	Latching	4	2	Straight	1.35	1.04	.93	.83	.75
-SPUJ194500	SPUJ194500	S	Momentary	4	2	Straight	1.35	1.04	.93	.83	.75
tical type											
-SPPH130100	SPPH130100	T	Momentary	2	1.5	Snap-in	1.57	1.21	1.08	.96	.87
-SPPH130400	SPPH130400	T	Latching	2	1.5	Snap-in	1.67	1.29	1.16	1.03	.93
-SPPH110300	SPPH110300	T	Momentary	2	1.5	Straight	1.57	1.21	1.08	.96	.87
-SPPH110800	SPPH110800	T	Latching	2	1.5	Straight	1.67	1.29	1.16	1.03	.93
-SPPH140100	SPPH140100	U	Momentary	2	1.5	Snap-in	1.57	1.21	1.08	.96	.87
-SPPH120100	SPPH120100	U	Momentary	2	1.5	Straight	1.57	1.21	1.08	.96	.87
-SPPH120400	SPPH120400	U	Latching	2	1.5	Straight	1.67	1.29	1.16	1.03	.93
-SPPH430100	SPPH430100	V	Latching	2	2.2	Snap-in	.81	.62	.56	.50	.45
-SPPH430200	SPPH430200	V	Momentary	2	2.2	Snap-in	.76	.58	.52	.47	.42
-SPEA122100	SPEA122100	W	Latching	2	1.2	Snap-in	2.86	2.20	1.98	1.76	1.59
-SPEA123000	SPEA123000	W	Latching	4	1.2	Snap-in	4.98	4.67	4.36	3.74	3.43
-SPEA121800	SPEA121800	W	Latching	2	1.2	Straight	2.86	2.20	1.98	1.76	1.59
-SPEA122200	SPEA122200	W	Momentary	2	1.2	Straight	2.86	2.20	1.98	1.76	1.59
-SPEC121100	SPEC121100	X	Latching	2	2.5	Straight	2.59	1.94	1.88	1.68	1.36
-SPEC121300	SPEC121300	X	Latching	2	2.5	Snap-in	2.59	1.94	1.88	1.68	1.36
-SPED110100	SPED110100	Y	Alternate	1	4.5	Connector	3.32	2.49	2.41	2.16	1.75

DIMENSIONS (mm)



APEM Pushbutton Switches

MHPS SERIES MINI KEY PUSHBUTTON SWITCHES

Specifications:
- DPDT
- Maintained action
- Non-shorting contacts
- Contact rating: 100mA # 30 VDC
- Dielectric withstanding voltage: 500 VAC for 1 minute
- Contact resistance: 100 mΩ max.

Materials:
- Case: PBT (model MHPS2266 only -Type 6/6 nylon)
- Cover: Acetal (model MHPS2266 only - Type 6/6 nylon)
- Actuator: Acetal
- Terminals: silver plated brass

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Height (mm)	Force (grms)	Price Each 1	25	100	500
642-MHPS2266	MHPS2266	A	14	140	.77	.73	.69	.65
642-MHPS2273	MHPS2273	B	16	140	.43	.41	.38	.36
642-MHPS2283	MHPS2283	C	17.5	180	.41	.39	.37	.35
642-MHPS2285	MHPS2285	D	11	180	.41	.39	.37	.35

IB SERIES SEALED MINIATURE PUSHBUTTON SWITCHES

- Contact ratings: 400mA @ 32VAC, 100mA @ 50VAC, or 125mA @ 125VAC
- Operating temp. range: -40°C to +85°C
- Contact resistance: 50 mΩ max.
- Solder terminals

( ) Momentary

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Function	Color	Price Each 1	25	100	500
642-IBR3SAD2	IBR3SAD2	E	Off-(On)	Black	11.88	9.52	8.32	7.12
642-IBR3SAD3	IBR3SAD3	E	Off-(On)	Green	11.88	9.52	8.32	7.12
642-IBR3SAD5	IBR3SAD5	E	Off-(On)	Yellow	11.88	9.52	8.32	7.12
642-IBR3SAD6	IBR3SAD6	E	Off-(On)	Red	11.88	9.52	8.32	7.12

IS SERIES SEALED MINIATURE PUSHBUTTON SWITCHES

- Contact ratings: 400mA @ 32VAC, 100mA @ 50VAC, or 125mA @ 125VAC
- Operating temp. range: -40°C to +85°C
- Contact resistance: 50 mΩ max.
- Solder terminals

( ) Momentary

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Function	Color	Price Each 1	25	100	500
642-ISR3SAD2	ISR3SAD2	F	Off-(On)	Black	12.18	9.74	8.52	7.31
642-ISR3SAD3	ISR3SAD3	F	Off-(On)	Green	12.18	9.74	8.52	7.31
642-ISR3SAD5	ISR3SAD5	F	Off-(On)	Yellow	12.18	9.74	8.52	7.31
642-ISR3SAD6	ISR3SAD6	F	Off-(On)	Red	12.18	9.74	8.52	7.31

IP SERIES PUSHBUTTON SWITCHES FOR HARSH ENVIRONMENTS

- Contact ratings: 500mA@48VAC, 200mA@50VAC, or 200mA@250VAC
- Operating temp. range: -40°C to +125°C
- Contact resistance: 50 mΩ max.
- Solder terminals

( ) Momentary

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Function	Color	Price Each 1	25	100	500
642-IPR3SAD2	IPR3SAD2	G	Off-(On)	Black	16.03	12.82	11.22	9.62
642-IPR3SAD3	IPR3SAD3	G	Off-(On)	Green	16.03	12.82	11.22	9.62
642-IPR3SAD5	IPR3SAD5	G	Off-(On)	Yellow	16.03	12.82	11.22	9.62
642-IPR3SAD6	IPR3SAD6	G	Off-(On)	Red	16.03	12.82	11.22	9.62
642-IPC3SAD3	IPC3SAD3	H	Off-(On)	Green	16.03	12.82	11.22	9.62
642-IPC3SAD5	IPC3SAD5	H	Off-(On)	Yellow	16.03	12.82	11.22	9.62
642-IPC3SAD6	IPC3SAD6	H	Off-(On)	Red	16.03	12.82	11.22	9.62
642-IPC3SAD9	IPC3SAD9	H	Off-(On)	Orange	16.03	12.82	11.22	9.62

AV SERIES SECURITY AND ANTI-VANDAL SWITCHES

- Operating temp. range: -20°C to +55°C
- Contact resistance: 10 mΩ max
- IP65 w/ internal seal

* Panel seal protects per IP54

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Circuit	Rating	Actuator	Price Each 1	25	100
Screw Terminal								
642-AV191003C900	AV191003C900	I	SPST Off-(On)	2A@48VDC	Curved	13.95	12.56	11.16
642-AV091003C900	AV091003C900	I	SPST Off-(On)	2A@48VDC	Flat	10.75	9.67	8.60
*642-AVM21003C940T	AVM21003C940T	J	SPST Off-(On)	2A@48VDC	Curved	34.26	32.55	30.83
Solder Terminal								
642-AV09C703D200	AV09C703D200	K	SPST Off-(On)	50mA@24VDC	Flat	12.62	11.99	11.36
*642-AV09C703D200K	AV09C703D200K	K	SPST Off-(On)	50mA@24VDC	Flat	15.64	14.85	14.08
642-AV199035D200	AV199035D200	L	SPST Off-(On)	1A@30V	Curved	33.77	30.39	27.01
642-AV19301ZQE	AV19301ZQE	M	SPST Off-(On)	3A@120VAC or 28VDC	Curved	15.51	13.96	12.41
642-AV22PNA62	AV22PNA62	N	SPST Off-(On)	5A@220VAC	Mushroom Head, Red	37.91	35.80	33.69
642-AV22PNA6B	AV22PNA6B	O	DPDT Off-(On)	6A@220VAC	Mushroom Head, Red	74.90	70.73	66.57

A01 AND A02 SERIES INDUSTRIAL CONTROL SWITCHES

- Contacts: A01= gold plated silver
- A02= silver plated
- Modular construction
- Each actuator requires a switch block
- Current voltage ratings:
- A01= 6A@250VAC max.-10mA@5VAC min.
- A02= 12A@380VAC max.-16A@250VAC max., 25mA@5VAC min

† Illuminated switches require LED and screen, sold separately.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Poles	Description	Price Each 1	25	100
† 642-A0101X	A0101X	P	1 or 2	Rect., illum., maintained pos.	9.00	8.10	7.20
642-A019101	A019101	Q	1 or 2	Rect., 2 pos., maintained pos.	10.00	9.00	8.00
642-A01ES	A01ES	R	1 or 2	Rnd, emergency stop	9.74	8.77	7.79
† 642-A0211X	A0211X	S	1 to 4	Rnd, illum., maintained pos.	17.94	16.15	14.35
642-A029101	A029101	Q	1 to 4	Sq., 2 pos., maintained pos.	9.96	8.96	7.97

Switch Blocks

† Excludes emergency stop, part #642-A01ES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Description	Price Each 1	25	100
642-A0150B	A0150B	Switch block, single pole, for 642-A01ES	6.72	6.05	5.38
† 642-A02503	A02503	Switch block, 2 N.O. contacts, for A02 series	13.62	12.26	10.90
† 642-A0151B	A0151B	Switch block, single pole, for A01 series	6.50	5.85	5.20
† 642-A0152B	A0152B	Switch block, double pole, for A01 series	9.36	8.42	7.49
† 642-A0155B	A0155B	Switch block, triple pole, for A01 series	15.98	14.38	12.78
† 642-A0153B	A0153B	Switch block, four pole, for A01 series	19.48	17.53	15.58

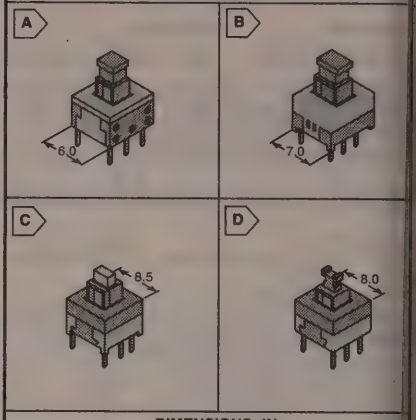
Accessories

All sold separately.

For quantities of 500 and up, call for quote.

642-A0161B	A0161B	Rectangle screen, Red, for 642-A0101X	.60	.48	.42
642-A0142M1	A0142M1	Red LED 12V for 642-A0101X	12.80	11.52	10.24
642-A0263B	A0263B	Round screen, Red, for 642-0211X	.70	.56	.49
642-A0244J1	A0244J1	Red LED, 12V for 642-0211X	18.38	16.55	16.08

DIMENSIONS: mm



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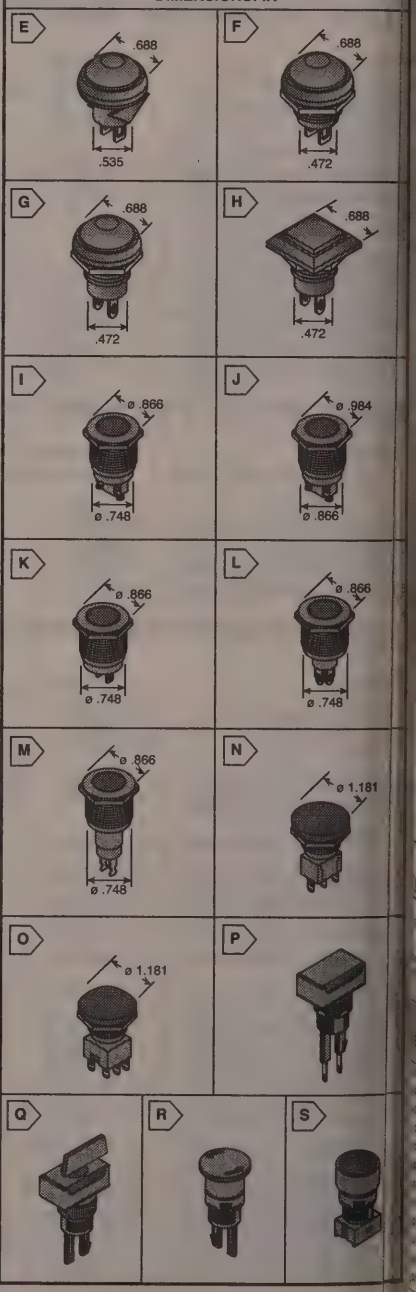
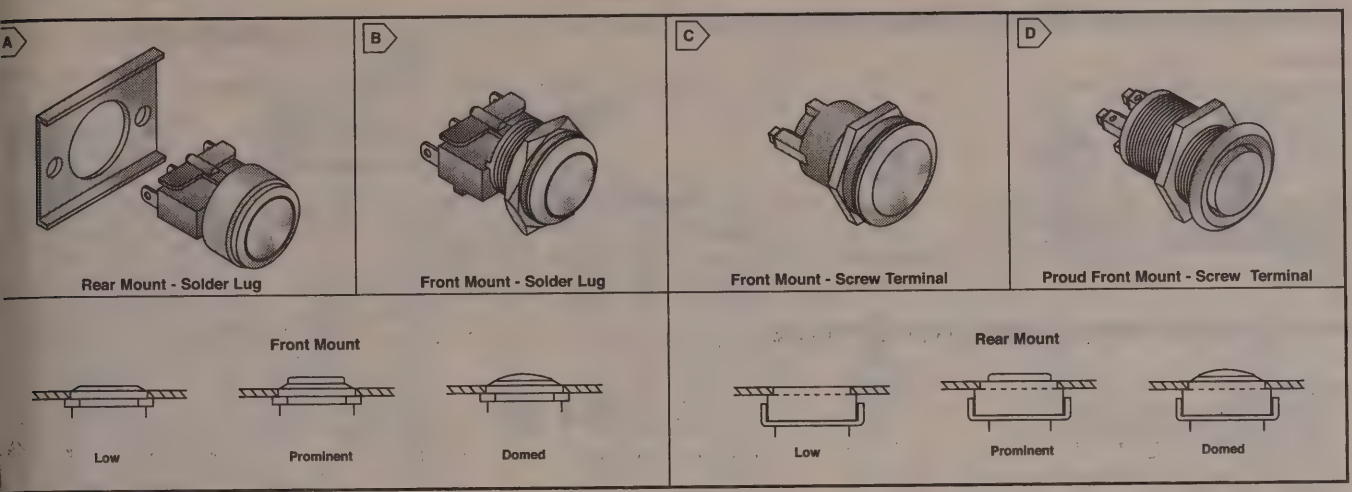




BULGIN NON-ILLUMINATED VANDAL-RESISTANT SWITCHES

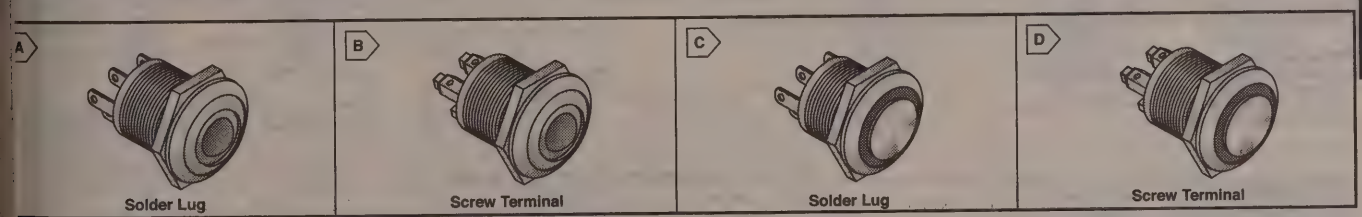
Specifications:
Contact Resistance: <15mΩ
Insulation Resistance: >1000MΩ

- Stainless Steel Manufacturing
- Termination: Solder Lug or Screw Terminal

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Button Profile	Button Dia. (mm)	Type	Circuit	Rating	Mounting	Front Panel Sealing	Price Each			
										1	25	50	100
117-MP0034	MP0034	A	Low	19	SPCO	On-(On)	5A/250VAC	Rear Panel	None	12.41	11.91	11.35	9.47
117-MP0031	MP0031	B	Low	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	12.79	12.07	11.35	9.47
117-MP0037	MP0037	C	Low	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68	8.50	8.00	7.50	7.00
117-MP0025	MP0025	A	Low	22	SPCO	On-(On)	5A/250VAC	Rear Panel	None	14.21	13.40	12.61	10.53
117-MP0027	MP0027	B	Low	28	SPCO	On-(On)	5A/250VAC	Front Panel	None	14.21	13.40	12.61	10.53
117-MP0038	MP0038	B	Low	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	14.27	13.47	12.70	10.60
117-MP0034/3	MP0034/3	A	Domed	19	SPCO	On-(On)	5A/250VAC	Rear Panel	None	15.98	14.67	13.04	10.89
117-MP0031/3	MP0031/3	B	Domed	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	15.98	14.67	13.04	10.89
117-MP0037/3	MP0037/3	C	Domed	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68	11.79	10.83	9.63	8.04
117-MP0025/3	MP0025/3	A	Domed	22	SPCO	On-(On)	5A/250VAC	Rear Panel	None	16.81	15.44	13.72	11.46
117-MP0027/3	MP0027/3	B	Domed	28	SPCO	On-(On)	5A/250VAC	Front Panel	None	16.81	15.44	13.72	11.46
117-MP0038/3	MP0038/3	B	Domed	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	17.50	16.07	14.28	11.93
117-MP0034/2	MP0034/2	A	Prominent	19	SPCO	On-(On)	5A/250VAC	Rear Panel	None	15.98	14.67	13.04	10.89
117-MP0031/2	MP0031/2	B	Prominent	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	15.98	14.67	13.04	10.89
117-MP0037/2	MP0037/2	C	Prominent	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68	11.79	10.83	9.63	8.04
117-MP0025/2	MP0025/2	A	Prominent	22	SPCO	On-(On)	5A/250VAC	Rear Panel	None	16.81	15.44	13.72	11.46
117-MP0027/2	MP0027/2	B	Prominent	28	SPCO	On-(On)	5A/250VAC	Front Panel	None	16.81	15.44	13.72	11.46
117-MP0038/2	MP0038/2	B	Prominent	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	17.50	16.07	14.28	11.93
117-MP0013	MP0013	D	Proud	22	SPMB	Off-(On)	1A/50VAC	Front Panel	None	6.11	5.77	5.43	4.54
117-MP0033	MP0033	D	Proud	22	SPMB	Off-(On)	1A/50VAC	Front Panel	*	9.95	9.45	8.85	7.39

*117-MP0033 internally sealed against ingress of water and dust.



BULGIN ILLUMINATED VANDAL-RESISTANT SWITCHES

Specifications:
Contact Resistance: <100mΩ
Insulation Resistance: >1000MΩ
Operating Temperature: -30°C to +70°C

- Mechanical Operations: 750,000 min
- Electrical Operations: 35,000 min

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Button Color/Type	Button Dia. (mm)	Type	Circuit	Rating	Mounting	Front Panel Sealing	Price Each			
										1	25	50	100
117-MPI001/28/BL	MPI001/28/BL	A	Blue/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	19.40	17.81	15.84	13.22
117-MPI001/28/GN	MPI001/28/GN	A	Green/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	17.50	16.07	14.28	11.93
117-MPI001/28/RD	MPI001/28/RD	A	Red/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	17.50	16.07	14.28	11.93
117-MPI001/TERM/BL	MPI001/TERM/BL	B	Blue/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	19.97	18.34	16.30	13.61
117-MPI001/TERM/GN	MPI001/TERM/GN	B	Green/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	18.07	16.59	14.75	12.32
117-MPI001/TERM/RD	MPI001/TERM/RD	B	Red/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	18.07	16.59	14.75	12.32
117-MPI002/28/BL	MPI002/28/BL	C	Blue/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	19.40	17.81	15.84	13.22
117-MPI002/28/GN	MPI002/28/GN	C	Green/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	17.50	16.07	14.28	11.93
117-MPI002/28/RD	MPI002/28/RD	C	Red/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	17.50	16.07	14.28	11.93
117-MPI002/TERM/BL	MPI002/TERM/BL	D	Blue/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	19.97	18.34	16.30	13.61
117-MPI002/TERM/GN	MPI002/TERM/GN	D	Green/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	18.07	16.59	14.75	12.32
117-MPI002/TERM/RD	MPI002/TERM/RD	D	Red/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	18.07	16.59	14.75	12.32

170/172 SERIES HEAVY ACTION PUSHBUTTON SWITCHES

Features:

- Power Rating: 15A @ 125VAC, 10A @ 250VAC
- Actuator Style: Nickel Plated Pushbutton
- Actuator Material: Brass / Nickel Plate
- Actuation Force: 2.5 lbs.
- Mounting Hole Dimensions: .500" diameter; 12.70 mm diameter
- Mounting Method: Bushing Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Carling Tech. Part No.	Fig.	Circuit	Termination	Price Each			
					1	25	50	100
691-170	170	A	SP, ON-(OFF)	Screw Term.	8.57	6.86	5.14	4.71
691-172	172	A	SP, OFF-(ON)	Screw Term.	8.65	6.92	5.19	4.76

641 SERIES MAINTAINED PUSHBUTTON SWITCHES

Features:

- Power Rating: 5A @ 125VAC, 2A @ 250VAC
- Actuator Style: Nickel Plated Pushbutton
- Actuator Material: Brass / Nickel Plate
- Actuation Force: 3-3.5 lbs.
- Mounting Hole Dimensions: .500" diameter; 12.70 mm diameter
- Mounting Method: Bushing Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Carling Tech. Part No.	Fig.	Circuit	Termination	Price Each			
					1	25	50	100
691-64111210	64111210	B	SP, ON-OFF	Solder Lug	5.78	4.34	3.81	3.35
691-64112210	64112210	B	DP, ON-OFF	Solder Lug	9.81	7.37	6.47	5.68
691-64111220	64111220	B	SP, ON-ON	Solder Lug	9.81	7.85	5.89	5.40
691-64112220	64112220	B	DP, ON-ON	Solder Lug	13.92	11.14	8.35	7.66

110/316 SERIES HEAVY DUTY PUSHBUTTON SWITCHES

Features:

- Actuator Style: Nickel Plated Pushbutton
- Actuator Material: Brass / Nickel Plate
- Actuation Force: 3-3.5 lbs.
- Mounting Hole Dimensions: .500" diameter; 12.70 mm diameter
- Mounting Method: Bushing Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Carling Tech. Part No.	Fig.	Circuit	Termination	Price Each			
					1	25	50	100
Power Rating: 6A @ 125V 3A @ 250V								
691-110-P	110-P	C	SP, OFF-ON	Solder Lug (end)	7.54	5.68	4.98	4.38
691-110-SP	110-SP	C	SP, OFF-ON	Screw Term. (#6-32NC-2)	7.81	6.25	4.69	4.30
691-111-PM-ON	111-PM-ON	C	SP, ON-(OFF)	Wire Leads	12.91	10.34	7.75	7.11
Power Rating: 3A @ 125V 1A @ 250V								
691-112P	112P	C	SP, ON-ON	Solder Lug (end)	11.90	8.95	7.85	6.90
691-316-PP	316-PP	C	DP, ON-ON	Solder Lug (end)	12.62	11.57	10.86	9.82
691-316-B-PP	316-B-PP	D	DP, ON-ON	Solder Lug (bottom)	12.62	11.57	10.86	9.82

P26/27 SERIES MOMENTARY PUSHBUTTON SWITCHES

Features:

- Power Rating: 6A @ 125VAC; 3A @250VAC; 3/4A 125V
- Actuation Force: P26 - 13 oz.; P27 - 26 oz.
- Mounting Hole Dimensions: .500" diameter; 12.70 mm diameter
- Mounting Method: Bushing Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Carling Tech. Part No.	Fig.	Circuit	Termination	Button Style/Color	Price Each			
						1	25	50	100
691-P26A-1D-BL	P26A-1D-BL	E	SP, OFF-(ON)	Solder Lug	Nylon/Black	4.48	3.37	2.95	2.60
691-P26A-1D-RND-MTL	P26A-1D-RND-MTL	E	SP, OFF-(ON)	Solder Lug	Round/Metal	5.48	4.38	3.29	3.01
691-P26L-1D-RND-MTL	P26L-1D-RND-MTL	E	SP, ON-(OFF)	Solder Lug	Round/Metal	5.48	4.38	3.29	3.01
691-P27A-BL	P27A-BL	F	SP, OFF-(ON)	Solder Lug	Nylon/Black	4.93	3.94	2.96	2.71
691-P27B-BL	P27B-BL	F	SP, OFF-(ON)	.250 Q.C. Tab	Nylon/Black	4.93	3.70	3.25	2.86
691-P27L-BL	P27L-BL	F	SP, ON-(OFF)	Solder Lug	Nylon/Black	4.93	3.94	2.96	2.71

P SERIES HEAVY DUTY PUSHBUTTON SWITCHES

Features:

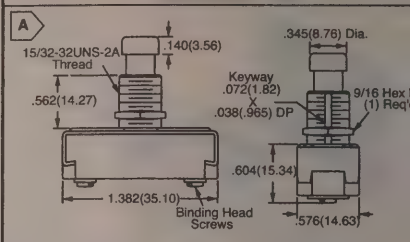
- Power Rating: PA351 - 15A @ 125VAC, 10A @ 250VAC; PA951 - 15A @ 125VAC, 10A @ 250VAC, 10A(6) 250Vμ T85
- Actuator Style: Nickel Plated Pushbutton
- Actuator Material: Brass / Nickel Plate
- Actuation Force: 3-5 lbs.
- Mounting Hole Dimensions: .550" diameter; 13.97 mm diameter
- Mounting Method: Bushing Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Carling Tech. Part No.	Fig.	Circuit	Termination	Price Each			
					1	25	50	100
691-PA351	PA351	G	SP, ON-OFF	.250 Q.C. Tab	8.65	6.92	5.19	4.76
* 691-PA951	PA951	G	SP, ON-OFF	.250 Q.C. Tab	8.95	6.73	5.91	5.19

DIMENSIONS: mm

A



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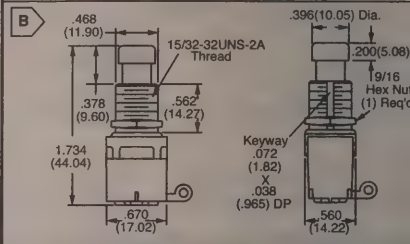

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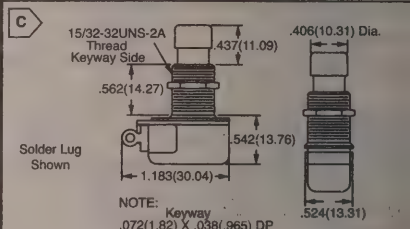

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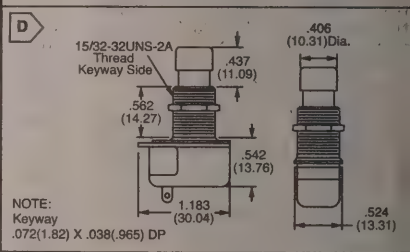

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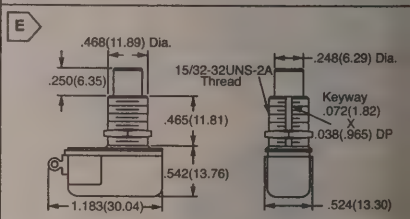

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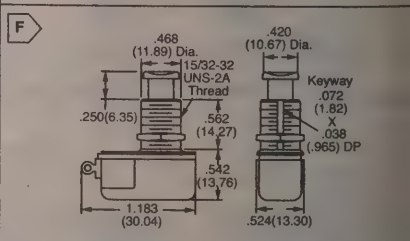

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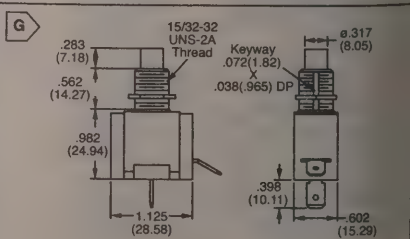


C&K Pushbutton Switches

EP SERIES: SEALED TINY PUSHBUTTON SWITCHES

tures:
oxy sealed against solder & cleaning processes

lications:
lecommunication equipment
mputer peripherals
trumentation

Specifications:
- Contact material: B - Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  K - Cu alloy, w/ Au plate over Ni plate, SnPb plate terminal
- Contact rating: B & K - 0.4VA @ 20VAC or DC max.
- Plunger material: Thermoplastic polyester or glass filled nylon (UL 94V-0) with o-ring seal
- IP67 degree of protection

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each 1	25	100	250
Thru-Hole									
-EP11-003	EP11SD1CBE	A	SPST	(On)-Off	B	3.85	3.52	3.08	2.34
-EP12-003	EP12SD1CBE	A	SPDT	(On)-On	B	4.66	4.26	3.72	3.05
-EP21-003	EP21SD1CBE	B	DPST	(On)-Off	B	7.07	6.46	5.66	4.46
ght-Angle PC Thru-Hole									
-EP11-009	EP11FPD1ABE	C	SPST	(On)-Off	B	4.15	3.79	3.32	2.60
-EP11-001	EP11SD1ABE	D	SPST	(On)-Off	B	4.15	3.79	3.32	2.60
-EP11-002	EP11SD1AVBE	E	SPST	(On)-Off	B	4.29	3.92	3.43	2.72
-EP12-001	EP12SD1ABE	D	SPDT	(On)-On	B	4.95	4.53	3.96	3.30
-EP12-011	EP12SD1AVBE	E	SPDT	(On)-On	B	5.09	4.66	4.07	3.42
-EP21-001	EP21SD1ABE	F	DPST	(On)-Off	B	7.63	6.98	6.10	4.94
ght-Angle Surface Mount									
-EP11-004	EP11SD1SAKE	G	SPST	(On)-Off	K	4.71	4.30	3.77	3.08
-EP12-004	EP12SD1SAKE	G	SPDT	(On)-On	K	5.51	5.04	4.41	3.78

TP SERIES: TINY PUSHBUTTON SWITCHES

ures:
ominiature size capable of switching up to 1A

lications:
ecommunication equipment
mputer peripherals
trumentation

Specifications:
- Contact material: B - Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  Q - Cu alloy, w/ Ag plate, Ag plate terminal
- Contact rating: B - 0.4VA @ 20VAC or DC max.
  Q - 1A @ 120VAC or 28VDC
- Plunger material: Thermoplastic polyester (UL 94V-0)

For quantities of 500 and up, call for quote.

OUSER OCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each 1	25	100	250
Thru-Hole									
-TP11-005	TP11SH9CBE	H	SPST	(On)-Off	B	4.74	4.34	3.79	2.18
ht-Angle PC Thru-Hole									
-TP11-006	TP11SH8ABE	I	SPST	(On)-Off	B	5.08	4.64	4.06	2.46
-TP11-004	TP11SH9ABE	I	SPST	Off-(On)	B	5.08	4.64	4.06	2.46
-TP11-009	TP11SH9AVBE	J	SPST	Off-(On)	B	5.08	4.64	4.06	2.46
-TP12-006	TP12SH8ABE	K	SPDT	(On)-On	B	6.39	5.84	5.11	3.23
-TP12-007	TP12SH8AQE	I	SPDT	(On)-On	Q	6.37	5.82	5.10	3.21
-TP12-008	TP12SH8AVBE	L	SPDT	(On)-On	B	6.39	5.84	5.11	3.23
-TP12-004	TP12SH9ABE	K	SPDT	(On)-On	B	6.39	5.84	5.11	3.23
-TP12-009	TP12SH9AVBE	J	SPDT	(On)-On	B	6.39	5.84	5.11	3.23
der Lug									
TP11-002	TP11SHZQE	M	SPST	Off-(On)	Q	4.64	4.24	3.71	2.09

GP SERIES: SEALED ULTRAMINIATURE PUSHBUTTON SWITCHES

ures:
led construction - internal o-ring and epoxy base

lications:
communication equipment
puter peripherals
umentation

Specifications:
- Contact material: K - Cu alloy, w/ Au plate over Ni plate, SnPb plate terminal
- Contact rating: K - 0.4VA @ 20VAC or DC max.
- Mechanical and Electrical Life: 40,000 cycles at full load
- IP57 degree of protection

For quantities of 500 and up, call for quote.

OUSER OCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each 1	25	100	250
GP11-001	GP11MAKE	N	SPST	Off-(On)	K	5.09	4.66	4.07	3.14
GP11-002	GP11MCKE	O	SPST	Off-(On)	K	4.53	4.14	3.63	2.79

E020 SERIES: SEALED SNAP-ACTING PUSHBUTTON SWITCHES

res:
ed construction - internal o-ring & epoxy base

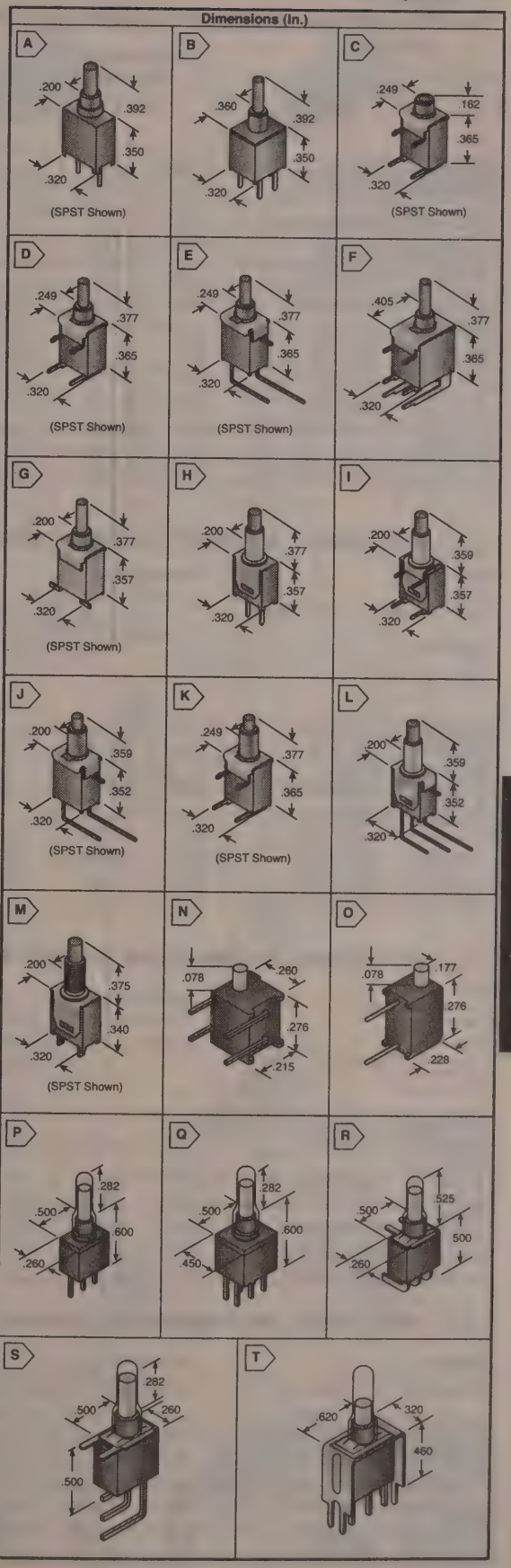
cations:
ommunication equipment
puter peripherals
umentation

Specifications:
- Contact material: B - Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  G - Coin Ag, w/ Au plate over Ni plate, Au plate terminal
- Contact rating: B - 0.4VA @ 20VAC or DC max.
  G - 0.4VA @ 20VAC or DC max., or 1A @ 120VAC
- Vinyl splashproof boot supplied standard. Discard only after soldering and cleaning processes are complete

For quantities of 500 and up, call for quote.

OUSER CK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each 1	25	100	250
hru-Hole									
121-001	E121SD1CGE	P	SPDT	On-(On)	G	6.95	6.35	5.56	4.62
221-001	E221SD1CGE	Q	DPDT	On-(On)	G	10.94	10.00	8.75	7.43
-Angle PC Thru-Hole									
121-002	E121SD1AGE	R	SPDT	On-(On)	G	7.28	6.66	5.82	4.91
121-003	E121SD1AV2GE	S	SPDT	On-(On)	G	7.39	6.75	5.91	5.00
125-004	E125SD1ABE	R	SPDT	On-(On)	B	5.22	4.77	4.17	3.50
cket									
121-006	E121SD1V3GE	T	SPDT	On-(On)	G	7.63	6.98	6.10	5.21

Dimensions (In.)



C&K Pushbutton Switches

8020 SERIES: SNAP-ACTING MOMENTARY PUSHBUTTON SWITCHES

Features:
- Positive tactile feel
- Epoxy sealed

Applications:
- Telecommunication equipment
- Computer peripherals

Specifications:
- Contact Material: B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  G- Coin Ag, w/ Au plate over Ni plate, Au plate terminal
- Contact Rating: B- 0.4VA @ 20VAC or DC max.
  G- 0.4VA @ 20VAC or DC max., or 1A @ 120VAC

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each 1	25	100	250
PC Thru-Hole									
611-8121-222	8121SHCGE	A	SPDT	On - (On)	G	6.77	6.19	5.42	4.38
611-8125-222	8125SHCBE	A	SPDT	On - (On)	B	4.67	4.27	3.74	2.91
Right-Angle PC Thru-Hole									
611-8121-231	8121SD9AGE	B	SPDT	On - (On)	G	7.11	6.50	5.68	4.67
611-8121-290	8121SD9AV2GE	C	SPDT	On - (On)	G	7.21	6.59	5.77	4.76
611-8125-232	8125SD9AV2BE	C	SPDT	On - (On)	B	5.11	4.67	4.09	3.29
Solder Lug									
611-8121-221	8121SHZGE	D	SPDT	On - (On)	G	6.69	6.11	5.35	4.31
611-8125-231	8125SD9ABE	B	SPDT	On - (On)	B	5.01	4.58	4.00	3.20
611-8125-241	8125SHZBE	D	SPDT	On - (On)	B	4.59	4.19	3.67	2.84
611-8121-211	8121J81ZGE22	E	SPDT	On - (On)	G	7.39	6.75	5.91	4.91
611-8125-211	8125J81ZBE22	E	SPDT	On - (On)	B	5.29	4.83	4.23	3.44
611-8221-211	8221J81ZGE22	E	DPDT	On - (On)	G	10.75	9.82	8.60	7.25
611-8121-311	8121J83ZGE22	F	SPDT	On - (On)	G	7.39	6.75	5.91	4.91
V-Bracket									
611-8121-236	8121SD9V3GE	G	SPDT	On - (On)	G	7.07	6.46	5.66	4.64
611-8125-223	8125SD3V3BE	G	SPDT	On - (On)	B	4.97	4.54	3.98	3.17

8060 SERIES: ALTERNATE ACTION PUSHBUTTON SWITCHES

Features:
- Epoxy sealed
- Long electrical life (50,000 cycles @ full load)

Applications:
- Telecommunication equipment
- Computer peripherals
- Instrumentation

Specifications:
- Contact Material: B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  G- Coin Ag, w/ Au plate over Ni plate, Au plate terminal
  Q- Cu alloy, w/ Au plate, Ag plate terminal
- Contact Rating: B- 0.4VA @ 20VAC or DC max.
  G- 0.4VA @ 20VAC or DC max., or 1A @ 120VAC
  Q- 6A @ 120VAC or 28VDC; 3A @ 250VAC

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each 1	25	100	250
Right-Angle PC Thru-Hole									
611-8168-221	8168SH9ABE2	H	SPDT	On-(On)	B	5.48	5.01	4.38	3.44
Solder Lug									
611-8161-201	8161SHZQE2	I	SPDT	On-On	Q	5.04	4.61	4.03	3.06
611-8168-203	8168LHZQE2	I	SPDT	On-(On)	Q	5.04	4.61	4.03	3.06
611-8168-202	8168SHZGE2	I	SPDT	On-(On)	G	5.29	4.83	4.23	3.27
611-8168-201	8168SHZQE2	I	SPDT	On-(On)	Q	5.04	4.61	4.03	3.06
611-8261-202	8261SHZGE2	I	DPDT	On-On	G	9.85	9.01	7.88	6.29
611-8261-201	8261SHZQE2	I	DPDT	On-On	Q	9.01	8.24	7.21	5.57

8500 SERIES: SUBMINIATURE PUSHBUTTON SWITCHES

Features:
- Reliable contact design
- Epoxy Sealed

Applications:
- Telecommunication equipment
- Computer peripherals
- Instrumentation

Specifications:
- Contact Material: Q- Coin Ag, w/ Ag plate, Ag plate terminal
  B- Cu alloy, w/ Ag plate over Ni plate, Ag plate terminal
- Contact Rating: Q- (853x models) - 1A @ 120VAC or 28VDC
  Q- (855x models) - 3A @ 120VAC or 28VDC
  B- 0.4VA @ 20VAC or DC max.

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each 1	25	100	250
PC Thru-Hole									
611-8531-251	8531MCQE2	J	SPST	(On)-Off	Q	4.06	3.71	3.25	2.31
611-8533-251	8533MCQE2	J	SPST	On-(Off)	Q	4.52	4.13	3.61	2.58
Solder Lug									
611-8531-252	8531MZQE2	K	SPST	(On)-Off	Q	3.97	3.63	3.18	2.24
611-8532-252	8532MZQE2	L	SPST	(On)-Off	Q	3.97	3.63	3.18	2.24
611-8551-252	8551MZQE2	L	SPST	(On)-Off	Q	3.97	3.63	3.18	2.24
611-8532-261	8532T1ZBE2	M	SPST	(On)-Off	B	4.50	4.11	3.60	2.69

8600 SERIES: MICROMINIATURE PUSHBUTTON SWITCHES

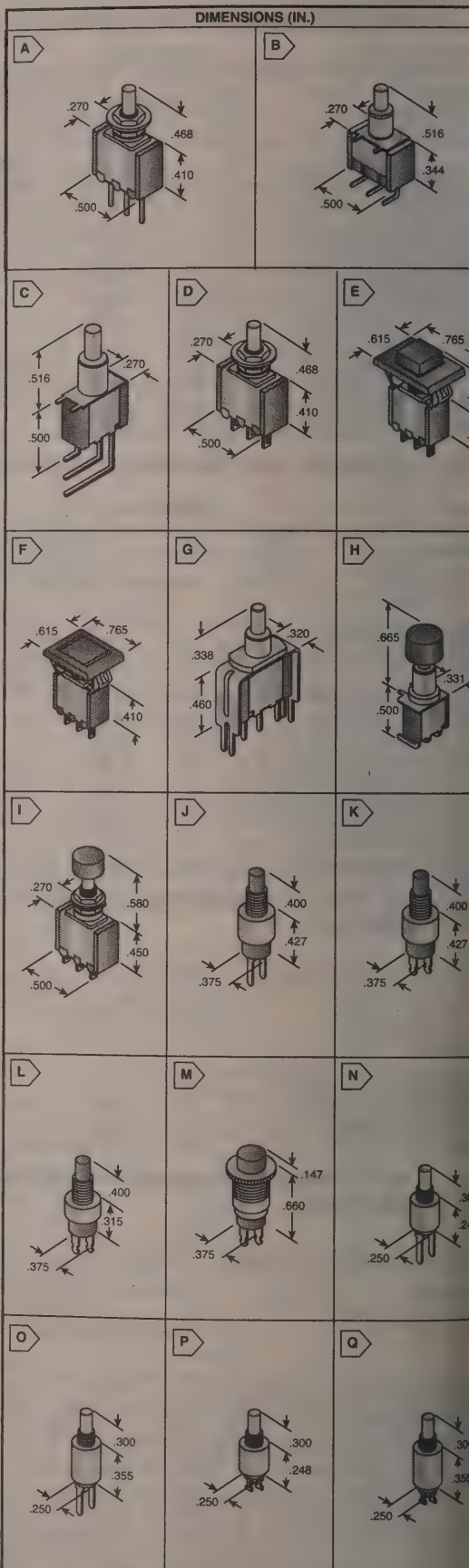
Features:
- Ideal for applications where space is limited
- Hardware included: nut, brass or nickel plated

Specifications:
- Contact Material: Q- Coin Ag, w/ Ag plate, Ag plate terminal
- Contact Rating: Q- 500mA @ 120VAC or 28VDC

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each 1	25	100	250
PC Thru-Hole									
611-8631-261	8631CQD2	N	SPST	(On)-Off	Q	4.43	4.05	3.54	2.81
611-8632-261	8632CQD2	O	SPST	(On)-Off	Q	4.43	4.05	3.54	2.81
Solder Lug									
611-8631-252	8631ZQD2	P	SPST	(On)-Off	Q	4.34	3.97	3.47	2.73
611-8632-252	8632ZQD2	Q	SPST	(On)-Off	Q	4.34	3.97	3.47	2.73

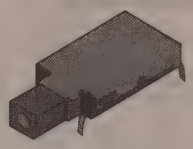
DIMENSIONS (IN.)



PUSHBUTTON SWITCHES

K Elum Series: Right Angle Illuminated Latching Pushbutton Switches

A



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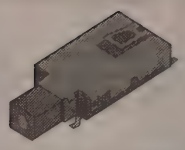


ures:
- height above PCB
- able self-cleaning contact
- g travel, smooth feel
- tral LED illumination
- tact material: Silver with gold flash

Typical Applications:
- Telecom Network Equipment
- Automotive & consumer electronics
- Computer, server, modem, data storage
- Professional instrumentation, medical

LEAD-FREE

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Switch Function	Terminal Style	Illumination Color	Actuator Style	Price Each		
							1	100	500
-ELUMOAAQC02	ELUMOAAQC02	A	Momentary	Right Angle, PC thru hole	None	Black w/o window	3.66	3.51	3.37
-ELUMOAAQ3C12	ELUMOAAQ3C12	A	Momentary	Right Angle, PC thru hole	Red	Black w/ window	4.92	4.72	4.52
-ELUMOAAQ6C12	ELUMOAAQ6C12	A	Momentary	Right Angle, PC thru hole	Green	Black w/ window	4.92	4.72	4.52
-ELUMOAAQ7C12	ELUMOAAQ7C12	A	Momentary	Right Angle, PC thru hole	Blue	Black w/ window	5.12	4.91	4.71
-ELUMOAAQ9C12	ELUMOAAQ9C12	A	Momentary	Right Angle, PC thru hole	Green (Red)	Black w/ window	5.27	5.05	4.84
-ELUMOASAQC02	ELUMOASAQC02	B	Momentary	Right Angle, SMT	None	Black w/o window	4.62	4.43	4.25
-ELUMOASAQ3C12	ELUMOASAQ3C12	B	Momentary	Right Angle, SMT	Red	Black w/ window	5.42	5.20	4.98
-ELUMOASAQ6C12	ELUMOASAQ6C12	B	Momentary	Right Angle, SMT	Green	Black w/ window	5.42	5.20	4.98
-ELUMOASAQ7C12	ELUMOASAQ7C12	B	Momentary	Right Angle, SMT	Blue	Black w/ window	5.62	5.39	5.17
-ELUMOASAQ9C12	ELUMOASAQ9C12	B	Momentary	Right Angle, SMT	Green (Red)	Black w/ window	5.77	5.53	5.30
-ELUMEEAQC02	ELUMEEAQC02	A	Latching	Right Angle, PC thru hole	None	Black w/o window	4.34	4.16	3.99
-ELUMEEAQ3C12	ELUMEEAQ3C12	A	Latching	Right Angle, PC thru hole	Red	Black w/ window	5.14	4.93	4.72
-ELUMEEAQ6C12	ELUMEEAQ6C12	A	Latching	Right Angle, PC thru hole	Green	Black w/ window	5.14	4.93	4.72
-ELUMEEAQ7C12	ELUMEEAQ7C12	A	Latching	Right Angle, PC thru hole	Blue	Black w/ window	5.34	5.12	4.91
-ELUMEEAQ9C12	ELUMEEAQ9C12	A	Latching	Right Angle, PC thru hole	Green (Red)	Black w/ window	5.49	5.27	5.05
-ELUMEESAQC02	ELUMEESAQC02	B	Latching	Right Angle, SMT	None	Black w/o window	4.84	4.64	4.45
-ELUMEESAQ3C12	ELUMEESAQ3C12	B	Latching	Right Angle, SMT	Red	Black w/ window	5.64	5.41	5.18
-ELUMEESAQ6C12	ELUMEESAQ6C12	B	Latching	Right Angle, SMT	Green	Black w/ window	5.64	5.41	5.18
-ELUMEESAQ7C12	ELUMEESAQ7C12	B	Latching	Right Angle, SMT	Blue	Black w/ window	5.84	5.60	5.37
-ELUMEESAQ9C12	ELUMEESAQ9C12	B	Latching	Right Angle, SMT	Green (Red)	Black w/ window	5.99	5.75	5.51

PUSHBUTTON SWITCHES

Series: Short Stroke Pushbutton Switches

- switching current: 100mA DC
- voltage: 50VDC
- Contact material: Silver over nickel
- Sealed contacts: dust-proof

For quantities of 1,000 and up, call for quote.

OUSER OCK NO.	ITT/Cannon Part No.	Fig.	OF (N)	Contact Form	Switch Function	Price Each		
						1	100	500
VA1EEH1	PVA1EEH1	A	1.2	DPST	Push-Push	.94	.85	.83
VA2EEH1	PVA2EEH1	A	1.2	DPDT	Push-Push	1.09	.98	.96
VA2OAH2	PVA2OAH2	B	1.2	DPDT	Momentary	1.09	.98	.96
n Caps For PVA Series			Description					
EBLK	PE/BLK (PE BK)	C	Rectangular, Black			.30	.28	.26

Series: Power Switches

- switching current: 6A AC/1A DC
- switching voltage: 250 VAC
- 23 stations available
- Silver contact plating
- Terminals are epoxy sealed (dust-proof)
- Solder lugs on top/PC pins on bottom

For quantities of 1,000 and up, call for quote.

OUSER OCK NO.	ITT/Cannon Part No.	Fig.	OF (N)	Contact Form	Switch Function	Price Each		
						1	100	500
E182AEEX	NE18/2AEEX	D	7.0	DPST	Push-Push	5.01	3.88	3.76
E182AOAX	NE18/2AOAX	D	7.0	DPST	Momentary	5.01	3.88	3.76
E182UEEX	NE18/2UEEX	D	7.0	DPDT	Push-Push	5.56	4.31	4.18

ries: Key Switches With Built in Button

- witching current: 100mA AC
- oltage: 100VAC
- Silver plated PC pin contacts
- Contact form: SPST-NO momentary

For quantities of 1,000 and up, call for quote.

OUSER OCK NO.	ITT/Cannon Part No.	Fig.	OF (N)	Switch Style and Color	Price Each		
					1	100	500
6C00	D6C00	E	1.3	Square, white	.85	.67	.65
6C40	D6C40	E	1.3	Square, red	.85	.67	.65
6C50	D6C50	E	1.3	Square, green	.85	.67	.65
6R00	D6R00	F	1.3	Round, white	.85	.67	.65

es: Pushbutton Switches

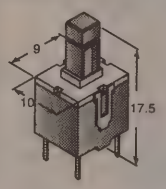
- carry current: 2A silver contacts; 500mA gold contacts
- oltage: 125VAC silver contacts; 50 VAC gold contacts
- 10 poles/module and 23 stations available
- Total/latching travel: 4.7 mm/3.3mm
- Operating Force: F2 = 650g; F/LT2 = 370g
- Contact arrangement: DPDT

For quantities of 1,000 and up, call for quote.

OUSER OCK NO.	ITT/Cannon Part No.	Fig.	Contact Material	Flux Seal	Switch Function	Price Each		
						1	100	500
T2UOATB	F/LT2UOA TB	G	Silver	Top/Bottom	Momentary	1.53	1.18	1.15
UOATB	F2UOA TB	G	Silver	Top/Bottom	Momentary	1.71	1.32	1.28

DIMENSIONS (mm)

A



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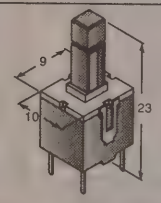

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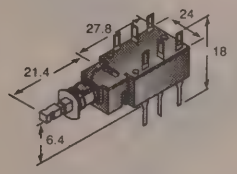

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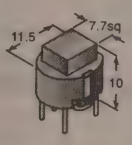

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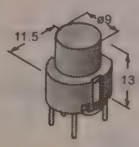

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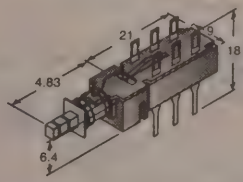


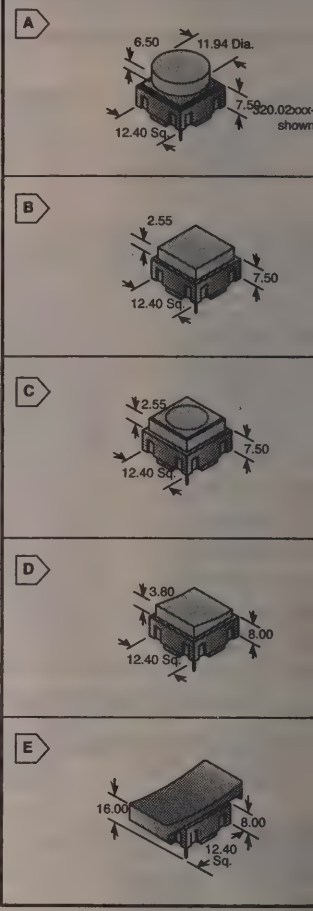
E-SWITCH® MOMENTARY PUSHBUTTON SWITCHES

320 Series

Specifications:

- Contact rating: 25mA
- Contact resistance: 50mΩ initially
- Operating force: 120 ± 50gf
- Travel: .7mm
- Contact form: SPST
- Voltage rating: 50VDC
- 320.02E1-1.09 has 15.88mm diameter cap

DIMENSIONS mm



For quantities of 1000 and up, call for quote.

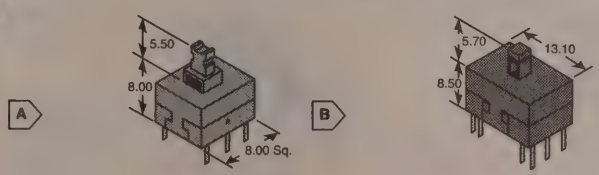
MOUSER STOCK NO.	E-Switch Part No.	Fig.	Cap Color	Price Each 1	10	50	100	200	500
612-320.02E11.08BK	320.02E1-1.08BLK	A	Black	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11.08GY	320.02E1-1.08GRY	A	Gray	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11.08RD	320.02E1-1.08RED	A	Red	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11.08WT	320.02E1-1.08WHT	A	White	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11.08YL	320.02E1-1.08YEL	A	Yellow	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11.08BL	320.02E1-1.08BLU	A	Blue	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11.08GN	320.02E1-1.08GRN	A	Green	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11.09BK	320.02E1-1.09BLK	A	Black	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11.09GY	320.02E1-1.09GRY	A	Gray	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11.09YL	320.02E1-1.09YEL	A	Yellow	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11.09BL	320.02E1-1.09BLU	A	Blue	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11.09RD	320.02E1-1.09RED	A	Red	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11.09GN	320.02E1-1.09GRN	A	Green	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11.09WT	320.02E1-1.09WHT	A	White	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11094BK	320.02E1-1.094BLK	A	Black	1.88	1.70	1.62	1.49	1.29	1.11
612-320.02E11094GY	320.02E1-1.09GRY	A	Gray	1.88	1.70	1.62	1.49	1.29	1.11
612-320.01E1-1GRY	320.01E1-1GRY	B	Gray	2.01	1.85	1.70	1.55	1.34	1.15
612-320.01E1-1RED	320.01E1-1RED	B	Red	2.01	1.85	1.70	1.55	1.34	1.15
612-320.01E1-1WHT	320.01E1-1WHT	B	White	2.01	1.85	1.70	1.55	1.34	1.15
612-320.01E1-1YEL	320.01E1-1YEL	B	Yellow	1.88	1.70	1.62	1.49	1.29	1.11
612-320.01E1-1BLU	320.01E1-1BLU	B	Blue	1.88	1.70	1.62	1.49	1.29	1.11
612-320.01E1-1GRN	320.01E1-1GRN	B	Green	1.88	1.70	1.62	1.49	1.29	1.11
612-320E1-1BLK	320E1-1BLK	C	Black	2.01	1.85	1.70	1.55	1.34	1.15
612-320E1-1GRY	320E1-1GRY	C	Gray	2.01	1.85	1.70	1.55	1.34	1.15
612-320E1-1RED	320E1-1RED	C	Red	2.01	1.85	1.70	1.55	1.34	1.15
612-320E1-1WHT	320E1-1WHT	C	White	2.01	1.85	1.70	1.55	1.34	1.15
612-320E1-1YEL	320E1-1YEL	C	Yellow	2.01	1.85	1.70	1.55	1.34	1.15
612-320E1-1BLU	320E1-1BLU	C	Blue	2.01	1.85	1.70	1.55	1.34	1.15
612-320E1-1GRN	320E1-1GRN	C	Green	2.01	1.85	1.70	1.55	1.34	1.15
612-320.22E1-1BLK	320.22E1-1BLK	D	Black	2.01	1.85	1.70	1.55	1.34	1.15
612-320.22E1-1GRY	320.22E1-1GRY	D	Gray	2.01	1.85	1.70	1.55	1.34	1.15
612-320.22E1-1WHT	320.22E1-1WHT	D	White	2.01	1.85	1.70	1.55	1.34	1.15
612-320.22E1-1YEL	320.22E1-1YEL	D	Yellow	2.01	1.85	1.70	1.55	1.34	1.15
612-320.22E1-1BLU	320.22E1-1BLU	D	Blue	2.01	1.85	1.70	1.55	1.34	1.15
612-320.22E1-1GRN	320.22E1-1GRN	D	Green	2.01	1.85	1.70	1.55	1.34	1.15
612-320.21E1-1BLK	320.21E1-1BLK	E	Black	2.01	1.85	1.70	1.55	1.34	1.15
612-320.21E1-1GRY	320.21E1-1GRY	E	Gray	2.01	1.85	1.70	1.55	1.34	1.15
612-320.21E1-1YEL	320.21E1-1YEL	E	Yellow	2.01	1.85	1.70	1.55	1.34	1.15
612-320.21E1-1BLU	320.21E1-1BLU	E	Blue	2.01	1.85	1.70	1.55	1.34	1.15
612-320.21E-1RED	320.21E-1RED	E	Red	2.01	1.85	1.70	1.55	1.34	1.15
612-320.21E1-1GRN	320.21E1-1GRN	E	Green	2.01	1.85	1.70	1.55	1.34	1.15
612-320.21E1-1WHT	320.21E1-1WHT	E	White	2.01	1.85	1.70	1.55	1.34	1.15

E-SWITCH® TL SERIES

Pushbutton Switches

- Contact rating: 0.1A/30VDC
- Contact resistance: 100 mΩ max

DIMENSIONS (mm)



For quantities of 500 and up, call for q

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Circuit Action	Contact Form	Price Each 1	10	50	100	2
612-TL2285OA	TL2285OA	A	Momentary	DPDT	1.20	.95	.90	.85	
612-TL2285EE	TL2285EE	A	Latching	DPDT	1.20	.95	.90	.85	
612-TL4201OAYA	TL4201OAYA	B	Momentary	4PDT	2.55	2.03	1.90	1.82	1
612-TL4201EEYA	TL4201EEYA	B	Latching	4PDT	2.55	2.03	1.90	1.82	1

MINIATURE PUSHBUTTON SWITCHES

Power Rating:

- 6A @ 125 VAC / 28 VDC Resistive
- 3A @ 250 VAC

Materials:

- Base (body): Diallyl Phthalate (DAP)
- Bushing: Brass, nickel plated
- Switching Contacts: Coin silver
- Center Terminal: Silver plated brass

DIMENSIONS (IN)

Solder Terminals ( )Momentary For quantities of 1000 and up, call for q

MOUSER STOCK NO.	Electroswitch Part No.	Circuit	Cap Color	Cap Dia.	Price Each 1	25	50	100	5
690-PB-12321ZQ	PB-12321ZQ	On-None-On	Black	.310	5.46	4.81	4.55	4.29	3
690-PB-12322ZQ	PB-12322ZQ	On-None-On	White	.310	5.46	4.81	4.55	4.29	3
690-PB-12323ZQ	PB-12323ZQ	On-None-On	Red	.310	5.46	4.81	4.55	4.29	3
690-PB-12331ZQ	PB-12331ZQ	On-None-On	Black	.375	5.46	4.81	4.55	4.29	3
690-PB-12332ZQ	PB-12332ZQ	On-None-On	White	.375	5.46	4.81	4.55	4.29	3
690-PB-12333ZQ	PB-12333ZQ	On-None-On	Red	.375	5.46	4.81	4.55	4.29	3
690-PB-12621ZQ	PB-12621ZQ	On-None-(On)	Black	.310	5.46	4.81	4.55	4.29	3
690-PB-12622ZQ	PB-12622ZQ	On-None-(On)	White	.310	5.46	4.81	4.55	4.29	3
690-PB-12623ZQ	PB-12623ZQ	On-None-(On)	Red	.310	5.46	4.81	4.55	4.29	3
690-PB-12631ZQ	PB-12631ZQ	On-None-(On)	Black	.375	5.46	4.81	4.55	4.29	3
690-PB-12632ZQ	PB-12632ZQ	On-None-(On)	White	.375	5.46	4.81	4.55	4.29	3
690-PB-12633ZQ	PB-12633ZQ	On-None-(On)	Red	.375	5.46	4.81	4.55	4.29	3

MOUSER ELECTRONICS a tti company (800) 346-6873

E-SWITCH® PS/RP SERIES

mentary Pushbutton Switches

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Form	Contact Rating	Cap/Body Dim. "L"	Cap Color	Price Each 1	10	50	100	200
2-PS1023AT-RED	PS1023AT-RED	A	SPST	3A	6mm	Red	1.76	1.58	1.47	1.35	1.17
2-PS1023AT-BLK	PS1023AT-BLK	A	SPST	3A	6mm	Black	1.76	1.58	1.47	1.35	1.17
2-PS1024AT-RED	PS1024AT-RED	B	SPST	3A	6mm	Red	1.22	1.07	1.00	.98	.85
2-PS1024AT-BLK	PS1024AT-BLK	B	SPST	3A	6mm	Black	1.22	1.07	1.00	.98	.85
2-PS1024AL-RED	PS1024AL-RED	B	SPST	3A	10mm	Red	1.55	1.38	1.20	1.15	1.02
2-PS1024AL-BLK	PS1024AL-BLK	B	SPST	3A	10mm	Black	1.55	1.38	1.20	1.15	1.02
2-PS1040A-RED	PS1040A-RED	B	SPST	3A	14mm	Red	2.30	2.05	1.82	1.75	1.51
2-PS1040A-BLK	PS1040A-BLK	B	SPST	3A	14mm	Black	2.30	2.05	1.82	1.75	1.51
2-PS1057A-RED	PS1057A-RED	B	SPST	1A	14mm	Red	1.55	1.38	1.20	1.15	1.02
2-PS1057A-BLK	PS1057A-BLK	C	SPST	1A	14mm	Black	1.55	1.38	1.20	1.15	1.02
SERIES with Plastic Bushing											
2-RP3502A-BLK	RP3502A-BLK	D	SPST-NO	1A	17mm	Black	1.98	1.80	1.60	1.52	1.31
2-RP3502B-BLK	RP3502B-BLK	D	SPST-NC	1A	19.3mm	Black	2.25	2.02	1.82	1.72	1.48
2-RP3502A-RED	RP3502A-RED	D	SPST-NO	1A	17mm	Red	1.98	1.80	1.60	1.52	1.31
2-RP3502B-RED	RP3502B-RED	D	SPST-NC	1A	19.3mm	Red	2.25	2.02	1.82	1.72	1.48
SERIES with Metal Bushing											
2-RP3502MA-BLK	RP3502MA-BLK	E	SPST-NO	3A	17mm	Black	2.95	2.65	2.48	2.25	1.94
2-RP3502MB-BLK	RP3502MB-BLK	E	SPST-NC	3A	19.3mm	Black	3.19	2.97	2.75	2.53	2.18
2-RP3502MA-GRN	RP3502MA-GRN	E	SPST-NO	3A	17mm	Green	2.95	2.65	2.48	2.25	1.94
2-RP3502MB-GRN	RP3502MB-GRN	E	SPST-NC	3A	19.3mm	Green	3.19	2.97	2.75	2.53	2.18
2-RP3502MA-YEL	RP3502MA-YEL	E	SPST-NO	3A	17mm	Yellow	2.95	2.65	2.48	2.25	1.94
2-RP3502MB-YEL	RP3502MB-YEL	E	SPST-NC	3A	19.3mm	Yellow	3.19	2.97	2.75	2.53	2.18
2-RP3502MA-RED	RP3502MA-RED	E	SPST-NO	3A	17mm	Red	2.95	2.65	2.48	2.25	1.94
2-RP3502MB-RED	RP3502MB-RED	E	SPST-NC	3A	19.3mm	Red	3.19	2.97	2.75	2.53	2.18
SERIES with LED											
2-RP3508BL-RED	RP3508BL-RED	F	SPST	3A	20mm	Red	6.75	6.05	5.42	5.15	3.82
2-RP3508BL-GRN	RP3508BL-GRN	F	SPST	3A	20mm	Green	6.75	6.05	5.42	5.15	3.82
2-RP3508BL-YEL	RP3508BL-YEL	F	SPST	3A	20mm	Yellow	6.75	6.05	5.42	5.15	3.82

E-SWITCH® MTH/TA SERIES

hbutton Switches

Specifications:
- Contact rating for **MTH series:** 100mA @ 30VDC
- Contact rating for **TA series:** 500mA @ 125 VAC
- Timing: non-shorting

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Form	Circuit Action	Contact Material	Price Each 1	10	50	100	200
-MTH21	MTH2UOANAGX	G	DPDT	Momentary	Silver	1.00	.92	.75	.60	.53
-MTH22	MTH2UEENAGX	G	DPDT	Latching	Silver	1.10	1.01	.83	.66	.58
-TA211	TA2UOAAAGPN	H	DPDT	Momentary	Silver	1.48	1.32	1.05	.80	.69
-TA421	TA4UEEAAGPN	H	4PDT	Latching	Silver	1.97	1.75	1.40	1.06	.92

E-SWITCH® 5500 AND 5511 SERIES PUSHBUTTON SWITCHES

cifications:

- ntact rating: 12mA
- erating force: <200gf
- Contact resistance: <50m Ω
- Contact material: gold plated copper alloy
- Voltage rating: 24VDC
- Contact form: SPDT

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	E-Switch Part No.	Fig.	Cap Style	Cap Color	LED(s) Color	Dimensions L x W x H	Price Each 1	10	50	100	200
0 Series											
-5501M1X	5501M1X	I	Small	Black	None	17.1 x 12.3 x 14.3	3.86	3.64	3.10	2.82	2.44
-5501M2X	5501M2X	I	Small	Gray	None	17.1 x 12.3 x 14.3	3.86	3.64	3.10	2.82	2.44
-5501M5X	5501M5X	I	Small	Red	None	17.1 x 12.3 x 14.3	3.86	3.64	3.10	2.82	2.44
-5501M11	5501M11	J	Small	Black	Red	17.1 x 12.3 x 14.3	5.06	4.76	4.26	3.83	3.31
-5501M12	5501M12	J	Small	Black	Green	17.1 x 12.3 x 14.3	5.06	4.76	4.26	3.83	3.31
-5501M21	5501M21	J	Small	Gray	Red	17.1 x 12.3 x 14.3	5.06	4.76	4.26	3.83	3.31
-5501M2-12	5501M2-1/2	K	Small	Gray	Red/Grn	17.1 x 12.3 x 14.3	5.54	5.24	4.93	4.18	3.61
1 Series											
-5511M4X	5511M4X	I	Large	Blue	None	17.1 x 17.3 x 14.3	3.86	3.64	3.10	2.82	2.44
-5511M8X	5511M8X	I	Large	White	None	17.1 x 17.3 x 14.3	3.86	3.64	3.10	2.82	2.44
-5511M11	5511M11	J	Large	Black	Red	17.1 x 17.3 x 14.3	5.06	4.76	4.26	3.83	3.31
-5511M12	5511M12	J	Large	Black	Green	17.1 x 17.3 x 14.3	5.06	4.76	4.26	3.83	3.31
-5511M51	5511M51	J	Large	Red	Red	17.1 x 17.3 x 14.3	5.06	4.76	4.26	3.83	3.31
-5511M52	5511M52	J	Large	Red	Green	17.1 x 17.3 x 14.3	5.06	4.76	4.26	3.83	3.31
-5511M81	5511M81	J	Large	White	Red	17.1 x 17.3 x 14.3	5.06	4.76	4.26	3.83	3.31
-5511M82	5511M82	J	Large	White	Green	17.1 x 17.3 x 14.3	5.06	4.76	4.26	3.83	3.31
-5511M2-12	5511M2-1/2	K	Large	Gray	Red/Grn	17.1 x 17.3 x 14.3	5.54	5.24	4.93	4.18	3.61

E-SWITCH® P197/P227 SERIES

er Pushbutton Switches

ifications:

- tact rating for **P197 series:** 5A @ 250VAC
- Contact rating for **P227 series:** 7A @ 250 VAC
- hanical configuration: latching

For quantities of 500 and up, call for quote.

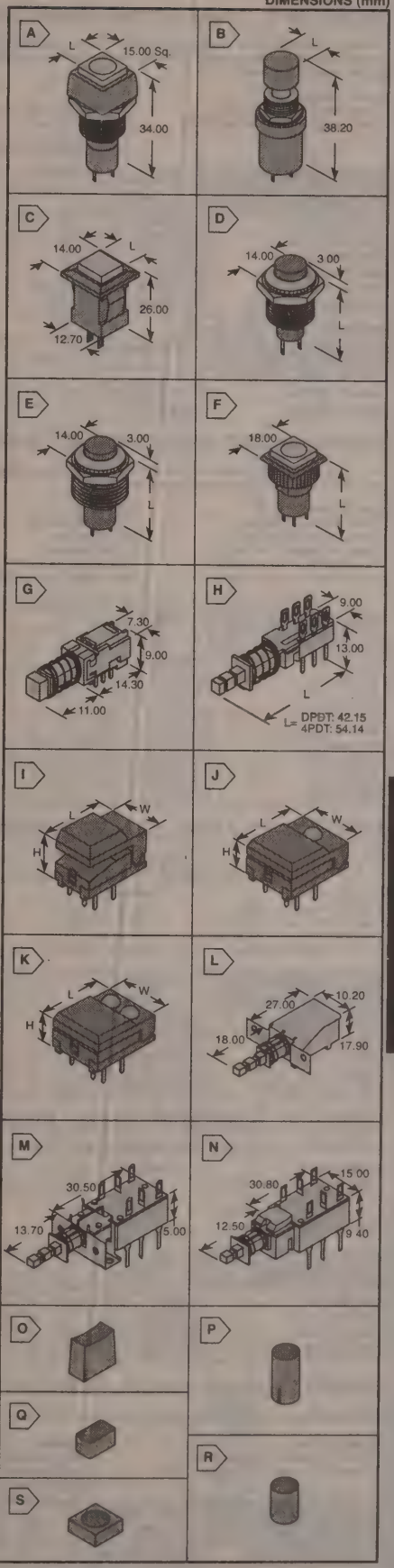
MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Form	Termination	Bracket Type	Circuit Action	Price Each 1	10	50	100	200
P197SBEE	P197EESB	L	SPST-NO	Solder Lug	Threaded	Latching	2.58	2.40	2.24	1.85	1.59
P227EEB20	P227EE2B20	M	DPDT	Panel Mount	Threaded	Latching	3.04	2.80	2.63	2.50	2.16
P227EEB18	P227EE2B18	M	DPDT	Panel Mount	Threaded	Latching	3.04	2.80	2.63	2.50	2.16
P227EE1C	P227EE1C	N	DPST	PC Mount	PC Mt.	Latching	2.89	2.66	2.45	2.25	1.94

essories

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Color	For Use With These Specific Pushbutton and Tactile Series	Price Each 1	10	50	100	200
1C-BK	1C-BLK	O	Black	MTH, TL1105JA. TL1105SP	.22	.20	.16	.13	.11
1C-GR	1C-DGR	O	Gray	TL2285, TL3301SP	.22	.20	.16	.13	.11
TAD-BLK	TAD-BLK	O	Black	320.02, 520.04, TA/LT, TL1100C,	.30	.28	.25	.20	.18
TAM-GRY	TAM-GRY	---	Gray	TL1100, P197, P227	.30	.28	.25	.20	.18
1R-BK	1R-BLK	P	Black	MTH, TL1105JA. TL1105SP	.22	.20	.16	.13	.11
1R-RD	1R-RED	P	Red	TL3301SP	.22	.20	.16	.13	.11
1R-WHT	1R-WHT	P	White		.22	.20	.16	.13	.11
TAA-BK	TAA-BLK	Q	Black	320.02, 520.04, TA/LT, TL1100C, TL1100, P197, P227	.40	.35	.28	.21	.18
TAG-BK	TAG-BLK	R	Black	320.02, 520.04, TA/LT, TL1100C,	.30	.28	.25	.20	.18
TAG-RD	TAG-RED	R	Red	TL1100, P197, P227	.30	.28	.25	.20	.18
4J-BK	4J-BLK	S	Black	320.02, TL1100C, TL100	.20	.18	.16	.13	.11
4J-GR	4J-GRY	S	Gray		.20	.18	.16	.13	.11

DIMENSIONS (mm)



NEW SUPPLIER NEW SUPPLIER NEW SUPPLIER NEW SUPPLIER

ITW Switches | Pushbutton Switches

SERIES 39-7: (20 mA) ULTRA-MINIATURE LIGHTED PUSHBUTTON SWITCHES

This switch was developed for designs with minimal PCB space and maximum swtiching requirements. With crisp action, process compatibility and clear bright LED indication, these switches form efficient and attractive arrays of highly dense, yet easy to use control stations.

LED Characteristics		
LED Color	V_F Max	I_F Max
Red	2.0	20mA
Green	2.5	20mA
Yellow	2.5	20mA

Specification:
- Circuit: SPST-NO-DB (Form X)
- Rating: Logic level (5 VDC, 5mA TYP)

Features:
- Resistance to high temps
- Logic level switching
- Gold contacts
- PC mounting/SMT LED

Applications:
- Computers
- Hand-Held Instruments
- Portable peripherals
- Audio Equipment

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Switch Function	LED Color	Price Each			
					1	10	25	50
850-39-712200	39-712200	A	Momentary	Red	5.88	5.63	5.09	4.33
850-39-712300	39-712300	A	Momentary	Green	5.88	5.63	5.09	4.33
850-39-712400	39-712400	A	Momentary	Yellow	5.88	5.63	5.09	4.33
850-39-713200	39-713200	A	Maintained	Red	5.88	5.63	5.09	4.33
850-39-713300	39-713300	A	Maintained	Green	5.88	5.63	5.09	4.33
850-39-713400	39-713400	A	Maintained	Yellow	5.88	5.63	5.09	4.33

Accessories for 39-7 Series

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Description	Price Each			
				1	10	25	50
850-80-397014	80-397014	B	Keycap - Light Grey	.71	.68	.62	.52
850-80-397016	80-397016	B	Keycap - Black	.71	.68	.62	.52

SERIES 59: ZINC ALLOY SEALED PUSHBUTTON SWITCHES

This rugged panel sealed pushbutton is made of a special high creep strength non-spark zinc alloy suitable for use in mining or other potentially explosive atmospheres where dust and moisture are problematic.

Specification:
- Switch Function: Momentary
- Contact Resistance: 50mΩ
- Dielectric strength: 1000 VAC
- Current Rating: 125mA @ 125VAC
- Panel Mounting: 1.5mm - 3mm

Features:
- Non-spark material
- Gold contacts
- Impact resistant
- 500,000 life cycles @ max power
- Wide Temp Range: -55°C to +125°C
- Panel sealed to IP67
- Nut and Sealing Washer included

Applications:
- Communications
- Instrumentation
- Data processing
- Process controls
- Transportation/material

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Bezel Style	Button Color	Price Each			
					1	10	25	50
850-59-111	59-111	C	Round	Black	8.28	7.86	7.26	6.18
850-59-112	59-112	C	Round	Red	8.28	7.86	7.26	6.18
850-59-113	59-113	C	Round	Green	8.28	7.86	7.26	6.18
850-59-211	59-211	D	Square	Black	8.40	8.10	6.96	6.60
850-59-212	59-212	D	Square	Red	8.16	7.86	6.72	6.42
850-59-213	59-213	D	Square	Green	8.40	8.10	6.96	6.60
850-59-311	59-311	E	High Round	Black	8.45	8.02	7.41	6.31
850-59-312	59-312	E	High Round	Red	8.69	8.27	7.65	6.55
850-59-313	59-313	E	High Round	Green	8.69	8.27	7.65	6.55

SERIES 76-97: PANEL SEALED PUSHBUTTON SWITCH

The Series 76-97 is robust. The switch body and button are made from hard-wearing plastic and produced in front mounting style. The buttons have a brightly dual-colored switch indicator which gives an "at a glance" recognition of the mode currently in use.

Specification:
- Contact Resistance: 25mΩ
- Dielectric strength: 1000V RMS
- Current Rating: 10A resistive 250VAC
- Contact Material: fine silver

Features:
- Solder Terminals
- Status Indication
- Panel sealed to IP67
- Wide Temp Range: -40°C to +105°C
- Nut and Sealing Washer included

Applications:
- Industrial Machinery
- Mining Equipment
- Material Handling
- Process controls

Note: 2-pole switch is provided separately from switch body and must be fitted after the switch body has been mounted in the panel.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Switch Function	Button/Ring Color	No. of Poles	Price Each			
						1	10	25	50
850-76-9711/4044B	76-9711/4044B	F	Momentary	Black/Red	1	16.15	14.73	12.79	12.35
850-76-9711/4044R	76-9711/4044R	F	Momentary	Red/Yellow	1	16.15	14.73	12.79	12.35
850-76-9712/4044B	76-9712/4044B	F	Maintained	Black/Red	1	16.15	14.73	12.79	12.35
850-76-9712/4044R	76-9712/4044R	F	Maintained	Black/Yellow	1	16.15	14.73	12.79	12.35
850-76-9711/804B	76-9711/804B	F	Momentary	Black/Red	2	52.07	47.49	41.24	40.85

SERIES 57: MINIATURE VANDAL RESISTANT SEALED PUSHBUTTON SWITCHES

This rugged miniature, momentary action, sealed switch series is ideal for a variety of applications in harsh environments where durability is key.

Specification:
- Contact Resistance: 50 milliohms
- Switching Power: 16VA AC
- Current Rating: 125mA - 400mA
- Contact Form: SPDT-DB

Features:
- Non-spark material
- Impact Resistant
- Panel sealed to IP67
- Gold plated palladium nickel contacts
- Wide Temp Range: -40°C to + 125°C
- Nut and Sealing Washer included

Applications:
- Security Access controls
- Computers
- Military/Aerospace
- Transportation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Lighted	LED Color	Price Each			
					1	10	25	50
850-57-111	57-111	G	No	-	12.63	12.16	10.27	9.80
850-57-112R	57-112R	H	Yes	Red	15.96	15.37	12.99	12.39
850-57-112G	57-112G	H	Yes	Green	16.91	16.28	13.76	13.13
850-57-112B	57-112B	H	Yes	Blue	17.95	17.25	14.80	14.10

SERIES 76-95 10A VANDAL RESISTANT PUSHBUTTON SWITCHES

This low profile switch makes it difficult to pry the switch from its mounting. Uses Butterfly® snap action swiches for switching loads up to 10.1 Amps.

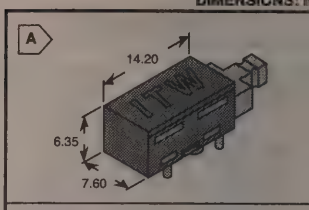
Specification:
- Contact Resistance: 50 milliohms
- Dielectric Strength: 1,000VAC for 1 minute

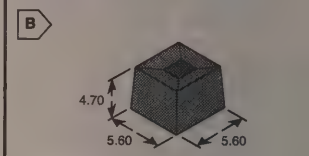
Features:
- Wide Temp Range: -30°C to + 105°C
- Panel sealed to IP67
- Solder Terminals

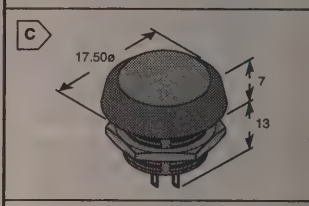
Applications:
- Industrial equipment
- Military/Aerospace
- Transportation

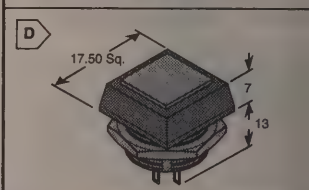
For quantities of 100 and up, call for quote.

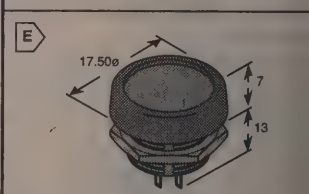
MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Contact	Circuit	Price Each			
					1	10	25	50
850-76-9510/530004	76-9510/530004	I	Silver	SPDT-DB	25.49	24.72	20.67	19.70

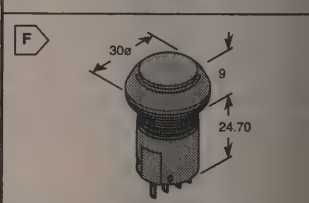


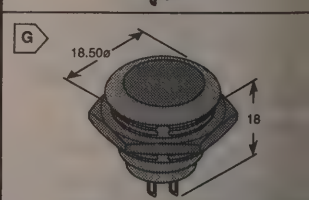


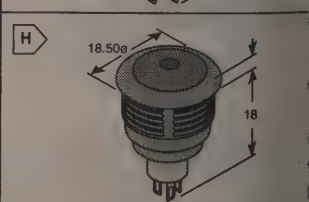


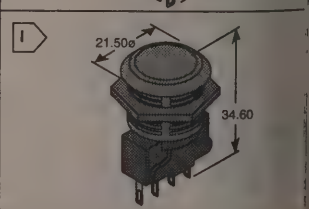








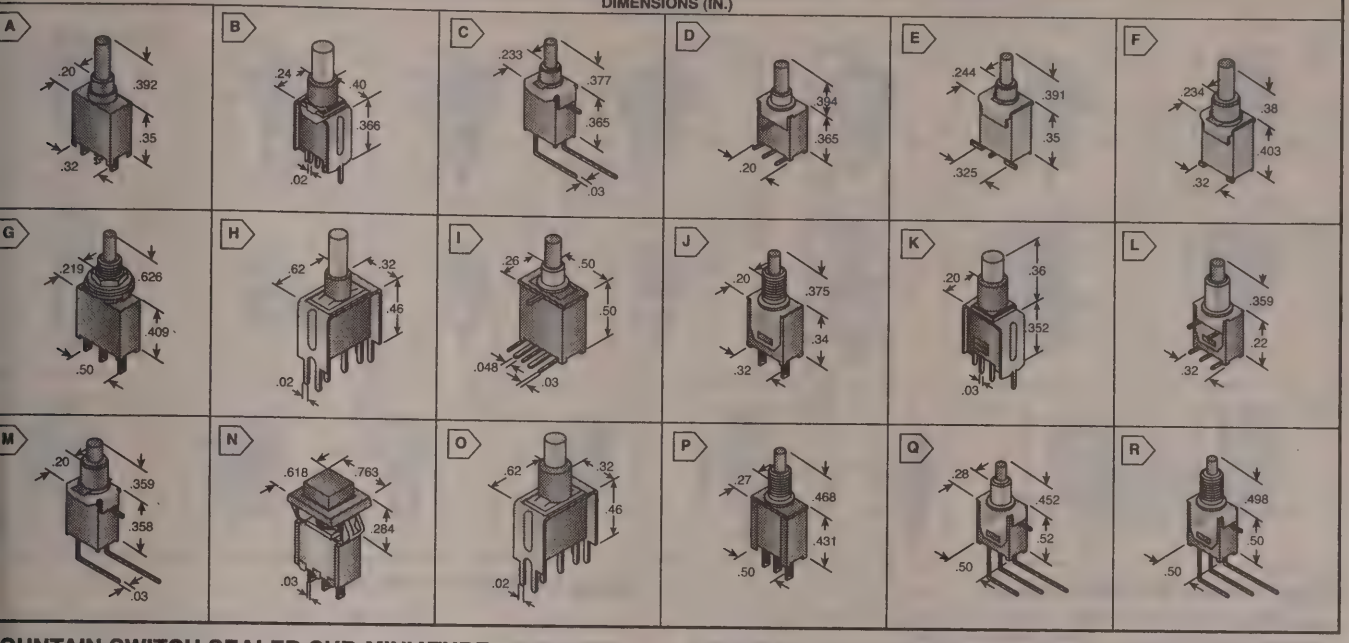




MOUSER ELECTRONICS a tti company

(800) 346-6873

DIMENSIONS (IN.)



MOUNTAIN SWITCH SEALED SUB-MINIATURE PUSHBUTTON SWITCHES

Specifications:
- Rating: 0.4 Volt-Amps (VA) max. / 20V max. (AC or DC)
- Contact resistance: 20mΩ max.
- Insulation resistance: 1000MΩ min.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500
C Mount								
07-3013	82543SPST13	A	SPST	Off-(On)	4.07	3.79	2.97	2.64
07-3015	82543SPST15	A	SPST	On-(On)	4.07	3.79	2.97	2.64
07-3017	82543SPDT17	B	SPDT	On-(On)	8.31	7.56	5.75	4.86
07-3014	82543SPST14	C	SPST	Off-(On)	5.29	4.81	3.70	3.13
07-3016	82543SPDT16	D	SPDT	On-(On)	3.52	3.27	2.49	2.11
urface Mount								
07-3018	82543SPDT18	E	SPDT	On-(On)	3.98	3.75	3.02	2.55
07-3020	82543SPDT20	E	SPDT	Off-(On)	3.81	3.65	2.78	2.35
07-3019	82543SPDT19	F	SPDT	On-(On)	3.98	3.75	3.02	2.55
07-3021	82543SPST21	F	SPST	Off-(On)	3.98	3.75	3.02	2.55

MOUNTAIN SWITCH SEALED SNAP ACTING PUSHBUTTON SWITCHES

Specifications:
- Rating: 1A/250VAC; 3A/120VAC or 28VDC
- Contact resistance: 20mΩ max.
- Insulation resistance: 1000MΩ min.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500
7-3001	82543SPDT01	G	SPDT	On-(On)	4.61	4.32	3.28	2.72
7-3003	82543SPDT03	H	SPDT	On-(On)	4.61	4.32	3.28	2.72
7-3002	82543SPDT02	I	SPDT	On-(On)	4.61	4.32	3.28	2.72

MOUNTAIN SWITCH SUB-MINIATURE PUSHBUTTON SWITCHES

Specifications:
- Rating: 1A/250VAC; 3A/120VAC or 28VDC
- Contact resistance: 20mΩ max.
- Insulation resistance: 1000MΩ min.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500
107-3024	82543SPST24	J	SPST	Off-(On)	2.66	2.42	1.84	1.69
107-3022	82543SPDT22	J	SPDT	On-(On)	2.66	2.42	1.84	1.69
107-3026	82543SPST26	K	SPST	Off-(On)	2.66	2.42	1.84	1.69
107-3023	82543SPDT23	L	SPDT	On-(On)	2.66	2.42	1.84	1.69
107-3025	82543SPST25	M	SPST	Off-(On)	2.66	2.42	1.84	1.69

MOUNTAIN SWITCH SNAP ACTING PUSHBUTTON SWITCHES

Specifications:
- Rating: 1A/250VAC; 3A/120VAC or 28VDC
- Contact resistance: 20mΩ max.
- Insulation resistance: 1000MΩ min.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500
107-3007	82543SPDT07	N	SPDT	On-(On)	3.98	3.75	3.02	2.55
107-3008	82543SPDT08	N	SPDT	On-(On)	7.60	6.90	5.25	4.45
107-3012	82543DPDT12	N	DPDT	On-(On)	6.27	5.98	4.94	3.85
107-3006	82543SPDT06	O	SPDT	On-(On)	5.29	4.81	3.70	3.13
107-3011	82543DPDT11	O	DPDT	On-(On)	6.27	5.98	4.94	3.85
107-3004	82543SPDT04	P	SPDT	On-(On)	4.00	3.72	2.89	2.69
107-3009	82543SPDT09	P	SPDT	On-(On)	7.60	6.90	5.25	4.45
107-3005	82543SPDT05	Q	SPDT	On-(On)	5.29	4.81	3.70	3.13
107-3010	82543DPDT10	R	DPDT	On-(On)	6.27	5.98	4.94	3.85

OUNTAIN SWITCH LP12 SERIES ILLUMINATED SHBUTTON SWITCHES

cifications:
- ting: 50mA/12VDC
- ntact resistance: 100mΩ
- erating force: 250gf max.
- Type: SPST momentary
- Bounce: 10msec. max
- LED: 15mA/4.2V

DIMENSIONS (IN.)

For quantities of 500 and up, call for quote.

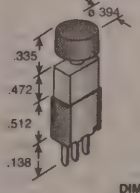
MOUSER STOCK NO.	LED Color	Price Each 1	10	50	100	200
107-LP12-7	Green	2.79	2.54	2.29	2.09	1.91
107-LP12-5	Red	2.79	2.54	2.29	2.09	1.91
107-LP12-3	Yellow	2.79	2.54	2.29	2.09	1.91

PHA FOOT SWITCHES

cifications:
- ting: 6A/125VAC, 3A/250VAC, 4A/30VDC
- ntact resistance: 50mΩ silver contacts
- Insulation resistance: 500VDC-100MΩ min.
- Dielectric strength: 1000VAC for 1 minute
- Operating life: 30,000 cycles

For quantities of 500 and up, call for quote.

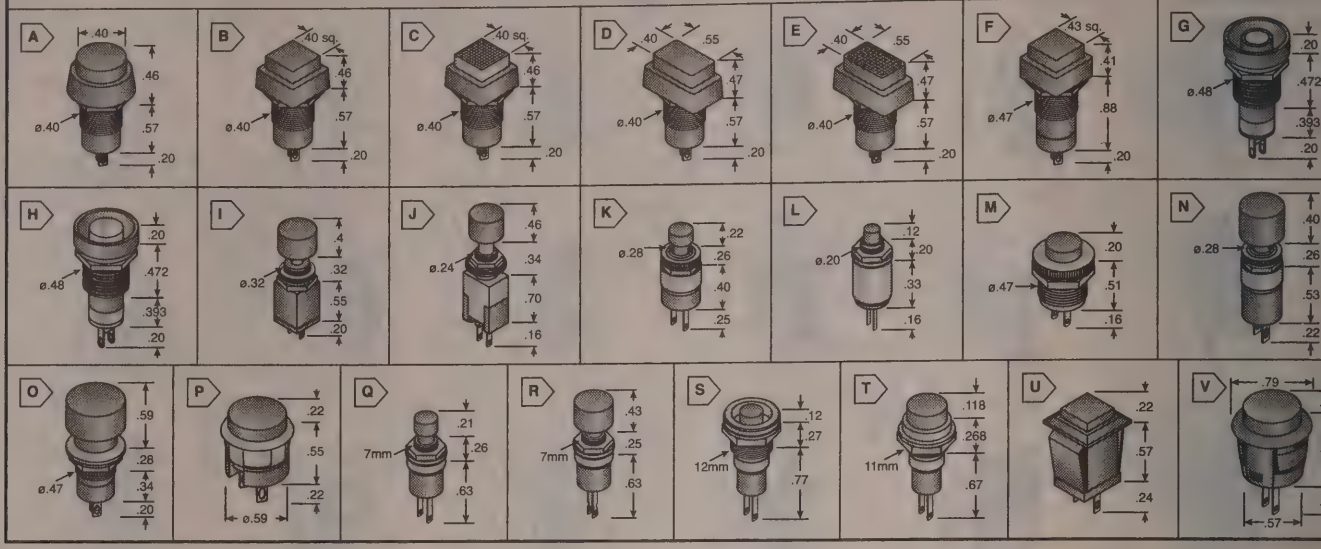
MOUSER TOCK NO.	Alpha Part No.	Type	Terminals	Operating Force	Price Each 1	25	50	100
SF12011-L	SF12011-0202-20R-L	DPDT Latching	PC	1.6 +/-0.5Kgf	4.95	4.49	4.19	3.59
SF12011-M	SF12011-0202-20R-M	DPDT Momentary	PC	2.8 +/-0.8Kgf	4.95	4.49	4.19	3.59
SF12020-L	SF12020-0202-20R-L	DPDT Latching	Solder	1.6 +/-0.5Kgf	4.95	4.49	4.19	3.59
SF12020-M	SF12020-0202-20R-M	DPDT Momentary	Solder	2.8 +/-0.8Kgf	4.95	4.49	4.19	3.59



DIMENSIONS (IN.)

MOUNTAIN SWITCH Pushbutton Switches

DIMENSIONS (IN.)



MINIATURE SOFT TOUCH

Specifications:

- Mechanical life: 100,000 operations
- Electrical life: 50,000 operations
- Type: SPST
- Rating: 3A/125VAC, 1A/250VAC
- Button material: Metal is aluminum. All others are molded plastic.

( )=Momentary

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button Color	Frame Color	Circuit	Price Each 1	10	100	500	1000
Rating: 3A/125VAC									
10PA322	A	Red	Black	Off-(On)	2.02	1.95	1.88	1.80	1.63
10PP422	A	Red	Black	Off-On	2.24	2.16	2.07	1.98	1.82
10PA323	A	Black	Black	Off-(On)	2.02	1.95	1.88	1.80	1.63
10PP423	A	Black	Black	Off-On	2.24	2.16	2.07	1.98	1.82
107-3027	A	Silver	Black	Off-(On)	2.77	2.66	2.60	2.56	2.45
107-3028	A	Silver	Black	Off-On	2.99	2.88	2.81	2.76	2.65
107-3029	A	Silver	Silver	Off-(On)	3.51	3.38	3.32	3.26	3.12
107-3030	A	Silver	Silver	Off-On	3.74	3.60	3.54	3.47	3.31
10PA332	B	Red	Black	Off-(On)	2.06	1.97	1.90	1.83	1.64
10PP432	B	Red	Black	Off-On	2.28	2.19	2.10	2.02	1.85
107-3031	B	Black	Black	Off-(On)	2.06	1.97	1.94	1.90	1.83
10PP433	B	Black	Black	Off-On	2.28	2.19	2.10	2.02	1.85
107-3032	B	Silver	Black	Off-(On)	2.81	2.70	2.65	2.61	2.50
107-3033	B	Silver	Black	Off-On	3.01	2.90	2.84	2.79	2.67
107-3034	B	Silver	Silver	Off-(On)	3.54	3.41	3.36	3.28	3.16
10PA338	C	Silver	Black	Off-(On)	2.79	2.70	2.59	2.50	2.23
10PA339	C	Silver	Silver	Off-(On)	3.54	3.41	3.28	3.15	2.90
107-3035	D	Red	Black	Off-(On)	2.00	1.93	1.88	1.85	1.78
107-3036	D	Red	Black	Off-On	2.20	2.13	2.09	2.05	1.96
107-3037	D	Black	Black	Off-(On)	2.00	1.93	1.89	1.85	1.78
107-3038	D	Black	Black	Off-On	2.20	2.13	2.08	2.05	1.96
107-3039	D	Silver	Black	Off-(On)	2.74	2.63	2.58	2.53	2.43
107-3040	D	Silver	Silver	Off-(On)	3.49	3.36	3.29	3.22	3.10
107-3041	E	Silver	Black	Off-(On)	2.74	2.63	2.58	2.53	2.43
107-3042	E	Silver	Silver	Off-(On)	3.49	3.36	3.29	3.22	3.10
Rating: 3A/250VAC									
107-MS198-RED	F	Red	Black	On-Off	2.57	2.48	2.38	2.29	2.06
107-MS198-BLK	F	Black	Black	On-Off	2.57	2.48	2.38	2.29	2.06
107-MS198-RED	F	Red	Black	Off-(On)	2.90	2.79	2.70	2.59	2.32

GUARDED

Specifications:

- Rating: 3A/125VAC
- Contact resistance: 20mΩ
- Mounting hole: .48"
- Solder terminals
- Dielectric strength: 1000V for 1 minute
- Type: SPST

( )=Momentary

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button Color	Frame Color	Circuit	Price Each 1	10	100	500	1000
107-1258-S	G	Silver	Black	Off-On	2.89	2.77	2.65	2.54	2.39
107-1258R	G	Red	Black	Off-On	2.89	2.77	2.65	2.54	2.39
107-1258B	G	Black	Black	Off-On	2.89	2.77	2.65	2.54	2.39
107-1258BU	G	Blue	Black	Off-On	2.89	2.77	2.65	2.54	2.39
107-1259-B	G	Black	Black	Off-(On)	2.43	2.33	2.26	2.13	1.82
107-1259BU	G	Blue	Black	Off-(On)	2.40	2.31	2.22	2.13	1.82
107-1259-R	G	Red	Black	Off-(On)	2.40	2.31	2.22	2.13	1.82
107-1259-S	G	Silver	Black	Off-(On)	2.40	2.31	2.22	2.13	1.82
107-2261R	H	Red	Gray	Off-On	2.49	2.39	2.28	2.18	2.05
107-1261B	H	Black	Black	Off-On	2.49	2.39	2.28	2.18	2.05
107-1261R	H	Red	Black	Off-On	2.49	2.39	2.28	2.18	2.05
107-1262-R	H	Red	Black	Off-(On)	2.01	1.94	1.86	1.79	1.68
107-1262-B	H	Black	Black	Off-(On)	2.01	1.94	1.86	1.79	1.68
107-1262C	H	Cream	Black	Off-(On)	2.01	1.94	1.86	1.79	1.68
107-2262-R	H	Red	Gray	Off-(On)	2.01	1.94	1.86	1.79	1.68
107-2262-G	H	Gray	Gray	Off-(On)	2.01	1.94	1.86	1.79	1.68

STANDARD TOUCH

( )=Momentary

For quantities of 2000 and up, call for q

MOUSER STOCK NO.	Fig.	Type	Circuit	Button Color	Rating	Price Each 1	10	100	500	1
10PA201	I	SPST	Off-(On)	Red	3A/125V	1.96	1.89	1.82	1.74	1.
10PA202	I	SPST	Off-(On)	Black	3A/125V	1.96	1.89	1.82	1.74	1.
10PP221	J	SPST	On-Off	Red	3A/125V	3.14	3.01	2.90	2.78	2.
10PP222	J	SPST	On-Off	Black	3A/125V	3.14	3.01	2.90	2.78	2.
10PP231	J	SPDT	On-On	Red	3A/125V	3.31	3.19	3.07	2.95	2.
10PP232	J	SPDT	On-On	Black	3A/125V	3.31	3.19	3.07	2.95	2.
10PP241	J	DPDT	On-On	Red	3A/125V	3.98	3.84	3.67	3.53	3.
10PP242	J	DPDT	On-On	Black	3A/125V	3.98	3.84	3.67	3.53	3.
10PA220	K	SPST	Off-(On)	Red	1A/125V	1.28	1.22	1.18	1.12	.
10PA221	K	SPST	Off-(On)	Black	1A/125V	1.28	1.22	1.18	1.12	.
10PA018	L	SPST	Off-(On)	Red	.5A/125V	1.24	1.20	1.16	1.10	.
10PA019	L	SPST	Off-(On)	Black	.5A/125V	1.24	1.20	1.16	1.10	.
10PA080	M	SPST	Off-(On)	Black	1A/125V	1.68	1.62	1.56	1.49	1.
10PA081	M	SPST	Off-(On)	Black	1A/125V	1.68	1.62	1.56	1.49	1.
10PA111	N	SPST	Off-(On)	Red	1A/125V	1.46	1.42	1.35	1.31	1.
10PA112	N	SPST	Off-(On)	Black	1A/125V	1.46	1.42	1.35	1.31	1.
10PA121	N	SPST	On-(Off)	Red	1A/125V	1.76	1.69	1.62	1.56	1.
10PA122	N	SPST	On-(Off)	Black	1A/125V	1.76	1.69	1.62	1.56	1.
10PM031	O	SPST	On-Off	Red	3A/250V	2.71	2.61	2.51	2.41	2.
10PM021	O	SPST	Off-(On)	Red	3A/250V	1.80	1.73	1.67	1.60	1.
10PM022	O	SPST	Off-(On)	Black	3A/250V	1.80	1.73	1.67	1.60	1.
107-3044	P	SPST	Off-(On)	Red	3A/125V	1.86	1.79	1.75	1.73	1.
107-3046	P	SPST	Off-(On)	Black	3A/125V	1.86	1.79	1.75	1.73	1.
10PT563	P	SPST	Off-(On)	Cream	3A/125V	1.86	1.79	1.73	1.66	1.

STANDARD

- Solder terminals

( )=Momentary

For quantities of 2000 and up, call for q

MOUSER STOCK NO.	Fig.	Type	Circuit	Button Color	Rating	Price Each 1	10	100	500	10
104-0010	Q	SPST	Off-(On)	White	1A/125V	.87	.72	.66	.59	.5
103-1216	Q	SPST	Off-(On)	Green	1A/125V	.87	.72	.66	.59	.5
104-0012	Q	SPST	Off-(On)	Red	1A/125V	.87	.72	.66	.59	.5
104-0013	Q	SPST	Off-(On)	Black	1A/125V	.87	.72	.66	.59	.5
103-1218	Q	SPST	(Off)-On	Red	1A/125V	1.14	.95	.90	.86	.7
103-1219	Q	SPST	(Off)-On	Black	1A/125V	1.14	.95	.90	.86	.7
10PA022	R	SPST	Off-(On)	Red	1A/125V	1.14	.98	.89	.83	.7
10PA023	R	SPST	Off-(On)	Black	1A/125V	1.14	.98	.89	.83	.7
10PA032	S	SPST	Off-(On)	Red	1A/125V	2.59	2.16	2.04	1.86	1.6
10PA033	S	SPST	Off-(On)	Black	1A/125V	2.59	2.16	2.04	1.86	1.6
104-0042	T	SPST	Off-(On)	Red	3A/125V	1.63	1.34	1.24	1.09	1.0
104-0043	T	SPST	Off-(On)	Black	3A/125V	1.63	1.34	1.24	1.09	1.0

MOLDED PLASTIC

- Solder terminals

( )=Momentary

For quantities of 2000 and up, call for qu

MOUSER STOCK NO.	Fig.	Type	Circuit	Color	Rating	Price Each 1	10	100	500	10
10PA210	U	SPST	Off-(On)	Red	1A/125V	1.21	1.17	1.12	1.08	.9
10PA211	U	SPST	Off-(On)	Black	1A/125V	1.28	1.22	1.18	1.12	.9
10PA005	V	SPST	Off-(On)	Red	3A/125V	1.11	1.08	1.03	.99	.9
107-DS412W	V	SPST	Off-(On)	White	3A/125V	1.11	1.08	1.03	.99	.9

MOUSER ELECTRONICS a tti company

(800) 346-6873

MOUNTAIN SWITCH Pushbutton Switches

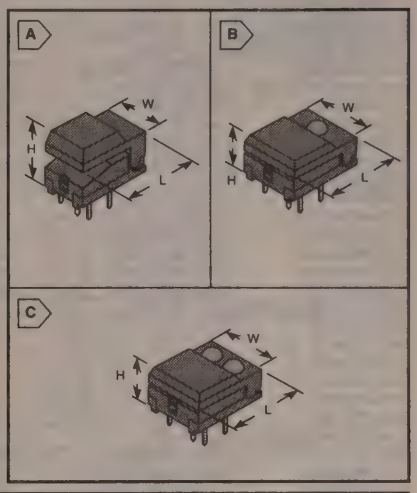
OUNTAIN SWITCH DPS SERIES

shbutton Switches

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Cap Style	Cap Color	LED(s) Color	Dimensions (mm) L x W x H	Price Each 1	10	50	100	200
7-DPS-01-1	A	Small	Black	None	17.7 x 12.2 x 14.5	3.27	2.70	2.28	1.89	1.80
7-DPS-01-2	A	Small	Gray	None	17.7 x 12.2 x 14.5	3.27	2.70	2.28	1.89	1.80
7-DPS-01-4	A	Small	Blue	None	17.7 x 12.2 x 14.5	3.27	2.70	2.28	1.89	1.80
7-DPS-01-5	A	Small	Red	None	17.7 x 12.2 x 14.5	3.27	2.70	2.28	1.89	1.80
7-DPS-01-8	A	Small	White	None	17.7 x 12.2 x 14.5	3.27	2.70	2.28	1.89	1.80
7-DPS-01-1-1	B	Small	Black	Red	17.7 x 12.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-01-1-2	B	Small	Black	Green	17.7 x 12.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-01-2-1	B	Small	Gray	Red	17.7 x 12.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-01-2-2	B	Small	Gray	Green	17.7 x 12.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-01-5-1	B	Small	Red	Red	17.7 x 12.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-01-5-2	B	Small	Red	Green	17.7 x 12.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-01-8-1	B	Small	White	Red	17.7 x 12.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-01-8-2	B	Small	White	Green	17.7 x 12.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-01-1-12	C	Small	Black	Red/Green	17.7 x 12.2 x 14.5	4.70	3.89	3.27	2.72	2.58
7-DPS-01-2-12	C	Small	Gray	Red/Green	17.7 x 12.2 x 14.5	4.70	3.89	3.27	2.72	2.58
7-DPS-11-1	A	Large	Black	None	17.7 x 17.2 x 14.5	3.27	2.70	2.28	1.89	1.80
7-DPS-11-2	A	Large	Gray	None	17.7 x 17.2 x 14.5	3.27	2.70	2.28	1.89	1.80
7-DPS-11-4	A	Large	Blue	None	17.7 x 17.2 x 14.5	3.27	2.70	2.28	1.89	1.80
7-DPS-11-5	A	Large	Red	None	17.7 x 17.2 x 14.5	3.27	2.70	2.28	1.89	1.80
7-DPS-11-1-1	B	Large	Black	Red	17.7 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-11-1-2	B	Large	Black	Green	17.7 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-11-2-1	B	Large	Gray	Red	17.7 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-11-2-2	B	Large	Gray	Green	17.7 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-11-5-1	B	Large	Red	Red	17.7 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-11-5-2	B	Large	Red	Green	17.7 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-11-8-1	B	Large	White	Red	17.7 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-11-8-2	B	Large	White	Green	17.7 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
7-DPS-11-1-12	C	Large	Black	Red/Green	17.7 x 17.2 x 14.5	4.70	3.89	3.27	2.72	2.58
7-DPS-11-2-12	C	Large	Gray	Red/Green	17.7 x 17.2 x 14.5	4.70	3.89	3.27	2.72	2.58

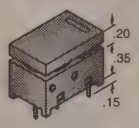
Specifications:
- Rating: 12mA/24VDC
- Type: SPDT
- Contact material: gold plated copper alloy
- Operating force: 200gf max.



OUNTAIN SWITCH MICRO ILLUMINATED USHBUTTON SWITCHES

ED reverse voltage: 4V
ED forward voltage (IF=20mA): 2.1V
ED forward current: 25mA
ype: SPST
ating: 1A/125VAC
C terminals

DIMENSIONS (IN.)



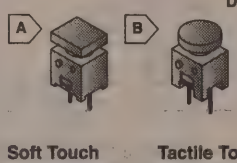
- Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Circuit	LED Color	Button Color	Dimensions (In.) L	W	Price Each 1	10	100
7-6610	Off-(On)	Red	Black	.61	.39	2.08	2.01	1.92
7-6611	Off-(On)	Red	Gray	.61	.39	2.08	2.01	1.92
7-6612	Off-(On)	Green	Black	.61	.39	2.08	2.01	1.92
7-6613	Off-(On)	Green	Gray	.61	.39	2.08	2.01	1.92
7-6614	Off-(On)	Yellow	Black	.61	.39	2.11	2.03	1.95
7-6615	Off-(On)	Yellow	Gray	.61	.39	2.11	2.03	1.95

MOUNTAIN SWITCH MIDGET PUSHBUTTON SWITCHES

Specifications:
- Rating: 1A/125VAC
- Insulation resistance: 100MΩ min.
- PC terminals
- Contact resistance: 20mΩ max.
- Dielectric strength: 1000VAC for 1 minute
- Reliability: 50,000 mechanical operations, 30,000 electrical operations
- Circuit: Off-(On), ( ) = Momentary Contact



Soft Touch Tactile Touch

For quantities of 500 and up, call for quote.

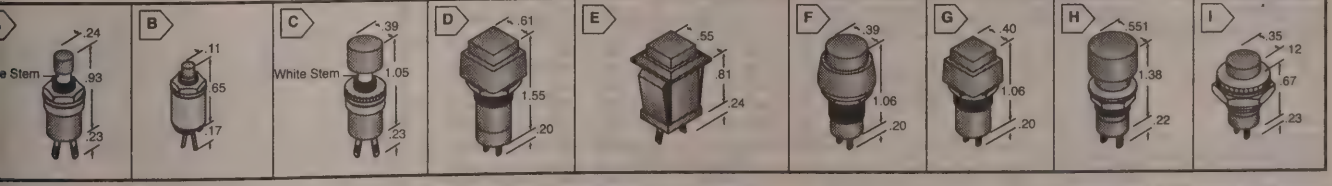
MOUSER STOCK NO.	Fig.	MOUSER STOCK NO.	Fig.	Button Color	Price Each 1	10	100
Square							
10KB041	A	10KB031	A	Red	1.09	1.05	1.01
10KB042	A	10KB032	A	Black	1.09	1.05	1.01
10KB045	A	10KB035	A	White	1.09	1.05	1.01
Round							
10KB021	B	10KB011	B	Red	1.09	1.05	1.01
10KB022	B	10KB012	B	Black	1.09	1.05	1.01
10KB025	B	10KB015	B	White	1.09	1.05	1.01

OUNTAIN SWITCH PUSHBUTTON SWITCHES

ulation resistance: 500VDC 100MΩ min. • Dielectric strength: 1000VAC for 1 minute

† Stem color is the same as the button color.

DIMENSIONS (IN.)



- Momentary

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	Fig.	Type	Circuit	Rating VAC	Color Frame	Button	Price Each 1	10	100
3-1012	A	SPST	Off-(On)	1.5A / 250V	Silver	Red	.87	.74	.66
3-1112	A	SPST	Off-(On)	1.5A / 250V	Silver	Red	.87	.74	.66
3-1013	A	SPST	Off-(On)	1.5A / 250V	Silver	Black	.87	.74	.66
3-1113	A	SPST	Off-(On)	1.5A / 250V	Silver	Black	.87	.74	.66
3-1016	A	SPST	On-(Off)	1.5A / 250V	Silver	Black	.87	.74	.66
3-1018	B	SPST	Off-(On)	.5A / 125V	Silver	Red	1.07	.89	.81
3-1019	B	SPST	Off-(On)	.5A / 125V	Silver	Black	1.07	.89	.81
3-1022	C	SPST	Off-(On)	1.5A / 250V	Silver	Red	1.12	.95	.85
3-1122	C	SPST	Off-(On)	1.5A / 250V	Silver	Red	1.12	.95	.85
3-1023	C	SPST	Off-(On)	1.5A / 250V	Silver	Black	1.12	.95	.85
3-1123	C	SPST	Off-(On)	1.5A / 250V	Silver	Black	1.12	.95	.85
3-1026	D	SPST	Off-(On)	3.0A / 250V	Black	Red	1.24	1.04	.95
3-1028	D	SPST	On-Off	3.0A / 250V	Black	Red	1.24	1.04	.95
3-1209	E	SPST	Off-(On)	1.0A / 125V	Black	Green	.87	.74	.66
3-1210	E	SPST	Off-(On)	1.0A / 125V	Black	Red	.87	.74	.66
3-1211	E	SPST	Off-(On)	1.0A / 125V	Black	Black	.87	.74	.66

( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating VAC	Color Frame	Button	Price Each 1	10	100
103-1212	E	SPST	On-(Off)	1.0A / 125V	Black	Red	.87	.74	.66
103-1213	E	SPST	On-(Off)	1.0A / 125V	Black	Black	.87	.74	.66
103-1322	F	SPST	Off-(On)	3.0A / 125V	Black	Red	2.34	1.94	1.77
103-1323	F	SPST	Off-(On)	3.0A / 125V	Black	Black	2.34	1.94	1.77
103-1332	G	SPST	Off-(On)	3.0A / 125V	Black	Red	2.15	1.80	1.63
103-1422	F	SPST	On-Off	1.0A / 125V	Black	Red	2.58	2.16	1.94
103-1423	F	SPST	On-Off	1.0A / 125V	Black	Black	2.58	2.16	1.94
103-1432	G	SPST	On-Off	3.0A / 125V	Black	Red	2.86	2.39	2.15
103-1433	G	SPST	On-Off	3.0A / 125V	Black	Black	2.86	2.39	2.15
103-2022	H	SPST	Off-(On)	3.0A / 250V	Silver	Black	1.14	.96	.86
103-2031	H	SPST	On-Off	3.0A / 250V	Silver	Red	1.43	1.20	1.08
103-50210	I	SPST	Off-(On)	3.0A / 125V	Black	Black	1.73	1.46	1.33
103-50211	I	SPST	Off-(On)	3.0A / 125V	Black	Red	1.73	1.46	1.33
103-50220	I	SPST	Off-(On)	3.0A / 125V	Silver	Black	2.42	2.02	1.84
103-50221	I	SPST	Off-(On)	3.0A / 125V	Silver	Red	2.42	2.02	1.84

NKK MB2000 SERIES: MINIATURE PUSHBUTTONS

• Plunger threaded for screw-on caps • Power Rating: 6A @ 125 VAC OR 3A @ 30 VDC

( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each 1	25	50	100
Standard Bushing-Solder Lug Mount								
633-MB201101	MB2011SS1W01	A	SPDT On-(On)	Silver	5.10	4.34	3.83	3.67
633-MB206501	MB2065SS1W01	A	SPDT On-On	Silver	5.30	4.51	3.98	3.82
633-MB206101	MB2061SS1W01	A	DPDT On-(On)	Silver	6.85	5.83	5.15	4.93
633-MB208501	MB2085SS1W01	A	DPDT On-On	Silver	7.30	6.21	5.48	5.26
633-MB218101	MB2181SS1W01	A	4PDT On-(On)	Silver	11.90	10.12	8.93	8.57
633-MB218501	MB2185SS1W01	A	4PDT On-On	Silver	12.40	10.54	9.30	8.93
Standard Bushing-PC Mount								
633-MB201103	MB2011SS1W03	A	SPDT On-(On)	Silver	5.22	4.44	3.92	3.76
633-MB206503	MB2065SS1W03	A	SPDT On-On	Silver	5.42	4.61	4.07	3.90
633-MB206103	MB2061SS1W03	A	DPDT On-(On)	Silver	7.09	6.04	5.33	5.10
633-MB208503	MB2085SS1W03	A	DPDT On-On	Silver	7.54	6.41	5.66	5.43
633-MB218103	MB2181SS1W03	A	4PDT On-(On)	Silver	12.78	10.86	9.59	9.20
633-MB218503	MB2185SS1W03	A	4PDT On-On	Silver	13.28	11.29	9.96	9.56
Screw-On Caps for Standard Bushing			**Description**					
633-AT407A	AT407A	B	.394" X .315", black		.51	.42	.38	.37
633-AT407B	AT407B	B	.394" X .315", white		.51	.42	.38	.37
633-AT407C	AT407C	B	.394" X .315", red		.51	.42	.38	.37
633-AT413A	AT413A	B	.315" X .256", black		.46	.38	.34	.33
633-AT413B	AT413B	B	.315" X .256", white		.46	.38	.34	.33
633-AT413C	AT413C	B	.315" X .256", red		.46	.38	.34	.33
Large Bushing-Solder Lug Mount								
633-MB201107	MB2011SB1W01	C	SPDT On-(On)	Silver	7.30	6.28	5.40	5.26
633-MB206507	MB2065SB1W01	C	SPDT On-On	Silver	7.50	6.45	5.55	5.40
633-MB206107	MB2061SB1W01	C	DPDT On-(On)	Silver	9.05	7.78	6.70	6.52
633-MB208507	MB2085SB1W01	C	DPDT On-On	Silver	9.50	8.17	7.03	6.84
633-MB218107	MB2181SB1W01	C	4PDT On-(On)	Silver	14.10	12.13	10.43	10.15
633-MB218506	MB2185SB1W01	C	4PDT On-On	Silver	14.60	12.56	10.80	10.51
Screw-On Caps for Large Bushing			**Description**					
633-AT078A	AT078A	B	.315" X .256", black		.88	.77	.65	.63
633-AT078B	AT078B	B	.315" X .256", white		.88	.77	.65	.63
633-AT078C	AT078C	B	.315" X .256", red		.88	.77	.65	.63
633-AT079A	AT079A	B	.394" X .315", black		1.00	.87	.74	.71
633-AT079B	AT079B	B	.394" X .315", white		1.00	.87	.74	.71
633-AT079C	AT079C	B	.394" X .315", red		1.00	.87	.74	.71
633-AT414A	AT414A	D	.520" X .433", black		.60	.50	.45	.42
633-AT414B	AT414B	D	.520" X .433", white		.60	.50	.45	.42
633-AT414C	AT414C	D	.520" X .433", red		.60	.50	.45	.42

NKK MB2400 SERIES: MINIATURE SNAP ACTION PUSHBUTTONS

• Plunger: Brass w/ nickel plating • Contacts: Gold-0.4VA max @ 28V AC/DC max.
• Stainless steel frame Silver 3A @ 125 VAC

( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each 1	25	50	100
Threaded Bushing w/ D Flat and Solder Lug Mount								
633-MB241108	MB2411E1W01	E	SPDT On-(On)	Silver	5.18	4.45	3.83	3.73
633-MB246108	MB2461E1W01	E	DPDT On-(On)	Silver	7.11	6.11	5.26	5.12
633-MB241109	MB2411E1G01	E	SPDT On-(On)	Gold	5.60	4.82	4.14	4.03
633-MB246109	MB2461E1G01	E	DPDT On-(On)	Gold	7.95	6.84	5.88	5.72
Smooth Bushing w/ Keyway, Right Angle PC Mount								
633-MB241110	MB2411A2W30	F	SPDT On-(On)	Silver	5.98	5.14	4.54	4.31
633-MB246110	MB2461A2W30	F	DPDT On-(On)	Silver	8.71	7.49	6.62	6.27
633-MB241111	MB2411A2G30	F	SPDT On-(On)	Gold	6.40	5.50	4.74	4.61
633-MB246111	MB2461A2G30	F	DPDT On-(On)	Gold	9.55	8.21	7.07	6.88
Slip-on Caps for MB Series			**Description**					
633-AT475A	AT475A	G	.201" X .157", black		.26	.22	.19	.18
633-AT475B	AT475B	G	.201" X .157", white		.26	.22	.19	.18
633-AT475C	AT475C	G	.201" X .157", red		.26	.22	.19	.18
633-AT496A	AT496A	H	.295" X .157", black		.32	.28	.24	.23
633-AT496B	AT496B	H	.295" X .157", white		.32	.28	.24	.23
633-AT496C	AT496C	H	.295" X .157", red		.32	.28	.24	.23
Snap-in Mount w/ Red Cap, Black Bezel								
633-MB241112	MB2411JW01-C-1A	I	SPDT On-(On)	Silver	7.26	6.24	5.38	5.08
633-MB246112	MB2461JW01-C-1A	I	DPDT On-(On)	Silver	9.79	8.41	7.43	6.44

NKK UB SERIES: LOW PROFILE PUSHBUTTONS

• Contacts Ratings: Silver 5A @ 125/250V AC, Gold 0.4VA max @ 28V AC/DC max ( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit (SPDT)	Contacts	Cap Color	Price Each 1	25	50	100
633-UB15KKW01N-A	UB15KKW01N-A	J	SPDT On-(On)	Silver	Black	6.31	5.69	5.29	4.94
633-UB15KKW01N-B	UB15KKW01N-B	J	SPDT On-(On)	Silver	White	6.31	5.69	5.29	4.94
633-UB15KKW01N-C	UB15KKW01N-C	J	SPDT On-(On)	Silver	Red	6.31	5.69	5.29	4.94
633-UB16KKW01N-A	UB16KKW01N-A	J	SPDT On-On	Silver	Black	7.09	6.39	5.94	5.55
633-UB16KKW01N-B	UB16KKW01N-B	J	SPDT On-On	Silver	White	7.09	6.39	5.94	5.55
633-UB16KKW01N-C	UB16KKW01N-C	J	SPDT On-On	Silver	Red	7.09	6.39	5.94	5.55
633-UB15KKG01N-A	UB15KKG01N-A	J	SPDT On-(On)	Gold	Black	6.75	6.09	5.66	5.29
633-UB15KKG01N-B	UB15KKG01N-B	J	SPDT On-(On)	Gold	White	6.75	6.09	5.66	5.29
633-UB15KKG01N-C	UB15KKG01N-C	J	SPDT On-(On)	Gold	Red	6.75	6.09	5.66	5.29
633-UB16KKG01N-A	UB16KKG01N-A	J	SPDT On-On	Gold	Black	7.53	6.79	6.31	5.90
633-UB16KKG01N-B	UB16KKG01N-B	J	SPDT On-On	Gold	White	7.53	6.79	6.31	5.90
633-UB16KKG01N-C	UB16KKG01N-C	J	SPDT On-On	Gold	Red	7.53	6.79	6.31	5.90

DIMENSIONS (IN.)

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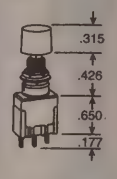

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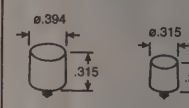

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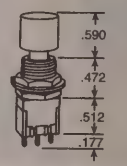

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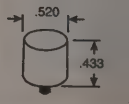

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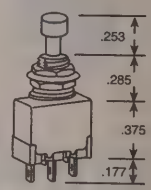

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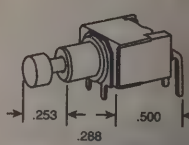

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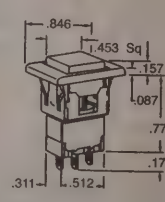

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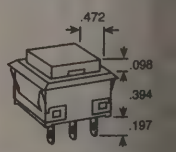

MOUSER ELECTRONICS a tti company

(800) 346-6873

NKK SWITCHES

K WASHABLE PUSHBUTTON SWITCHES

K AB Series: Washable Submini Pushbuttons

uator: .213" length plunger
VA max. @ 28 VAC/DC max. ( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each 1	25	50
-AB11AP	AB11AP	A	SPST Off-(On)	PCB Straight	3.90	3.35	2.89
-AB15AP	AB15AP	A	SPDT On-(On)	PCB Straight	3.95	3.40	2.92
-AB25AP	AB25AP	A	DPDT On-(On)	PCB Straight	5.05	4.34	3.74
-AB15AH	AB15AH	B	SPDT On-(On)	PCB R/A	4.55	3.91	3.37
-AB25AH	AB25AH	B	DPDT On-(On)	PCB R/A	5.95	5.12	4.40
-On Caps for A Series			Description				
-AT475A	AT475A	G	.201" X .157", black		.26	.22	.19
-AT475B	AT475B	G	.201" X .157", white		.26	.22	.19
-AT475C	AT475C	G	.201" X .157", red		.26	.22	.19
-AT496A	AT496A	H	.295" X .157", black		.32	.28	.24
-AT496B	AT496B	H	.295" X .157", white		.32	.28	.24
-AT496C	AT496C	H	.295" X .157", red		.32	.28	.24

K GB Series: Washable Ultra-Mini Pushbuttons

uator: .130" length plunger
VA max. @ 28 VAC/DC max. ( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each 1	25	50
-GB15AP	GB15AP	C	SPDT On-(On)	PCB Straight	4.70	4.04	3.48
-GB25AP	GB25AP	C	DPDT On-(On)	PCB Straight	5.40	4.64	4.00
-GB15AH	GB15AH	D	SPDT On-(On)	PCB R/A	5.28	4.54	3.91
-GB25AH	GB25AH	D	DPDT On-(On)	PCB R/A	6.50	5.59	4.81
-On Caps for G Series			Description				
-AT4063A	AT4063A	E	.157" X .094", Black		.26	.22	.19
-AT4063B	AT4063B	E	.157" X .094", White		.26	.22	.19
-AT4063C	AT4063C	E	.157" X .094", Red		.26	.22	.19

K FB SERIES: 0.5 AMP MOMENTARY PUSHBUTTONS

uator: White plunger • Contacts: Silver 500mA@125VAC ( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each 1	25	50
-FB15ANEP2	FB15ANEP2	F	SPST Off-(On)	PC/Turret	3.45	2.97	2.55
-on Caps for FB Series			Description				
-AT475A	AT475A	G	.201" X .157", black		.26	.22	.19
-AT475B	AT475B	G	.201" X .157", white		.26	.22	.19
-AT475C	AT475C	G	.201" X .157", red		.26	.22	.19
-AT496A	AT496A	H	.295" X .157", black		.32	.28	.24
-AT496B	AT496B	H	.295" X .157", white		.32	.28	.24
-AT496C	AT496C	H	.295" X .157", red		.32	.28	.24

K SB SERIES: 3 AMP MOMENTARY PUSHBUTTONS

uator: Black plunger • Contacts: Silver 3A @ 125VAC or 2A @ 30VDC ( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each 1	25	50
-SB4011NOM	SB4011NOM	I	SPST Off-(On)	PCB Straight	4.10	3.53	3.03
-SB4011NCM	SB4011NCM	I	SPST On-(Off)	PCB Straight	4.10	3.53	3.03
-on Caps for SB Series			Description				
-AT422A	AT422A	J	.394" X .236", black		.40	.34	.28
-AT422B	AT422B	J	.394" X .236", white		.40	.34	.28
-AT422C	AT422C	J	.394" X .236", red		.40	.34	.28

K ENVIRONMENTALLY SEALED PUSHBUTTON SWITCHES

ver rating: 6A @ 125V AC, 3A @ 250V AC, 6A @ 30V DC
7 of IEC529
• UL94V-0 Rated
• Wire leads: AWG 16 heat resistant PVC
• .520" Dia. Black Cap

( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each 1	25	50
-WB12S	WB12S-DA	K	SPDT On-None-On	Solder Lug	15.54	15.20	14.30
-WB12T	WB12T-DA	K	SPDT On-None-On	Screw Lug	17.24	15.84	14.91
-WB12L	WB12L-DA	K	SPDT On-None-On	Wire Leads	30.78	28.29	26.62
-WB15S	WB15S-DA	K	SPDT On-None-(On)	Solder Lug	17.24	15.84	14.91
-WB15T	WB15T-DA	K	SPDT On-None-(On)	Screw Lug	17.96	16.51	15.54
-WB15L	WB15L-DA	K	SPDT On-None-(On)	Wire Leads	31.49	28.93	27.23

DIMENSIONS (IN)

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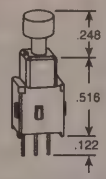

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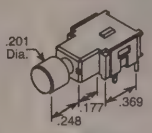

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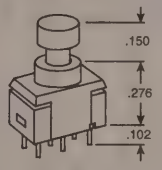

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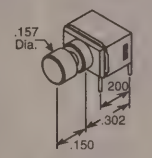

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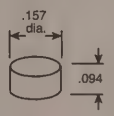

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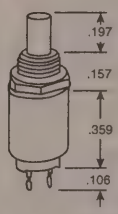

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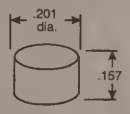

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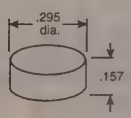

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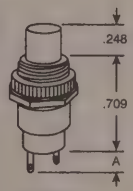

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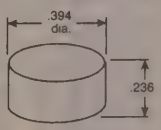

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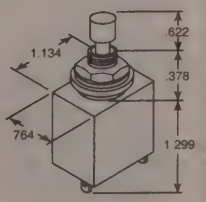


NKK UB SERIES: LOW PROFILE ILLUMINATED PUSHBUTTONS

• Contacts Ratings: Silver 5A @ 125/250V AC • Full Face and Spot Illumination Caps • Bright and Super Bright LEDs

( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Cap and Diffuser Colors	Price Each 1	25	50
633-UB15KKW015C-JC	UB15KKW015C-JC	A	SPDT On-(On)	Bright Red	Clear Cap/Red Diffuser	8.01	7.21	6.71
633-UB15KKW015D-JD	UB15KKW015D-JD	A	SPDT On-(On)	Bright Amber	Clear Cap/Amber Diffuser	8.01	7.21	6.71
633-UB15KKW015F-JF	UB15KKW015F-JF	A	SPDT On-(On)	Bright Green	Clear Cap/Green Diffuser	8.01	7.21	6.71
633-UB15KKW015C-CC	UB15KKW015C-CC	A	SPDT On-(On)	Bright Red	Red Cap/Red Diffuser	8.01	7.21	6.71
633-UB15KKW015D-DD	UB15KKW015D-DD	A	SPDT On-(On)	Bright Amber	Amber Cap/Amber Diffuser	8.01	7.21	6.71
633-UB15KKW015F-FF	UB15KKW015F-FF	A	SPDT On-(On)	Bright Green	Green Cap/Green Diffuser	8.01	7.21	6.71
633-UB15KKW015C-AB	UB15KKW015C-AB	A	SPDT On-(On)	Bright Red	Black Cap/Red Spot Illum.	9.25	8.33	7.75
633-UB15KKW015D-AB	UB15KKW015D-AB	A	SPDT On-(On)	Bright Amber	Black Cap/Amber Spot Illum.	9.25	8.33	7.75
633-UB15KKW015F-AB	UB15KKW015F-AB	A	SPDT On-(On)	Bright Green	Black Cap/Green Spot Illum.	9.25	8.33	7.75
633-UB16KKW015C-JC	UB16KKW015C-JC	A	SPDT On-On	Bright Red	Clear Cap/Red Diffuser	8.79	7.91	7.36
633-UB16KKW015D-JD	UB16KKW015D-JD	A	SPDT On-On	Bright Amber	Clear Cap/Amber Diffuser	8.79	7.91	7.36
633-UB16KKW015F-JF	UB16KKW015F-JF	A	SPDT On-On	Bright Green	Clear Cap/Green Diffuser	8.79	7.91	7.36
633-UB16KKW015C-CC	UB16KKW015C-CC	A	SPDT On-On	Bright Red	Red Cap/Red Diffuser	8.79	7.91	7.36
633-UB16KKW015D-DD	UB16KKW015D-DD	A	SPDT On-On	Bright Amber	Amber Cap/Amber Diffuser	8.79	7.91	7.36
633-UB16KKW015F-FF	UB16KKW015F-FF	A	SPDT On-On	Bright Green	Green Cap/Green Diffuser	8.79	7.91	7.36
633-UB16KKW015C-AB	UB16KKW015C-AB	A	SPDT On-On	Bright Red	Black Cap/Red Spot Illum.	10.03	9.03	8.40
633-UB16KKW015D-AB	UB16KKW015D-AB	A	SPDT On-On	Bright Amber	Black Cap/Amber Spot Illum.	10.03	9.03	8.40
633-UB16KKW015F-AB	UB16KKW015F-AB	A	SPDT On-On	Bright Green	Black Cap/Green Spot Illum.	10.03	9.03	8.40
633-UB25KKW015C-JC	UB25KKW015C-JC	A	DPDT On-(On)	Bright Red	Clear Cap/Red Diffuser	10.18	9.19	8.53
633-UB25KKW015D-JD	UB25KKW015D-JD	A	DPDT On-(On)	Bright Amber	Clear Cap/Amber Diffuser	10.18	9.19	8.53
633-UB25KKW015F-JF	UB25KKW015F-JF	A	DPDT On-(On)	Bright Green	Clear Cap/Green Diffuser	10.18	9.19	8.53
633-UB25KKW015C-CC	UB25KKW015C-CC	A	DPDT On-(On)	Bright Red	Red Cap/Red Diffuser	10.18	9.19	8.53
633-UB25KKW015D-DD	UB25KKW015D-DD	A	DPDT On-(On)	Bright Amber	Amber Cap/Amber Diffuser	10.18	9.19	8.53
633-UB25KKW015F-FF	UB25KKW015F-FF	A	DPDT On-(On)	Bright Green	Green Cap/Green Diffuser	10.18	9.19	8.53
633-UB25KKW015C-AB	UB25KKW015C-AB	A	DPDT On-(On)	Bright Red	Black Cap/Red Spot Illum.	11.41	10.30	9.56
633-UB25KKW015D-AB	UB25KKW015D-AB	A	DPDT On-(On)	Bright Amber	Black Cap/Amber Spot Illum.	11.41	10.30	9.56
633-UB25KKW015F-AB	UB25KKW015F-AB	A	DPDT On-(On)	Bright Green	Black Cap/Green Spot Illum.	11.41	10.30	9.56
633-UB26KKW015C-JC	UB26KKW015C-JC	A	DPDT On-On	Bright Red	Clear Cap/Red Diffuser	10.73	9.69	8.99
633-UB26KKW015D-JD	UB26KKW015D-JD	A	DPDT On-On	Bright Amber	Clear Cap/Amber Diffuser	10.73	9.69	8.99
633-UB26KKW015F-JF	UB26KKW015F-JF	A	DPDT On-On	Bright Green	Clear Cap/Green Diffuser	10.73	9.69	8.99
633-UB26KKW015C-CC	UB26KKW015C-CC	A	DPDT On-On	Bright Red	Red Cap/Red Diffuser	10.73	9.69	8.99
633-UB26KKW015D-DD	UB26KKW015D-DD	A	DPDT On-On	Bright Amber	Amber Cap/Amber Diffuser	10.73	9.69	8.99
633-UB26KKW015F-FF	UB26KKW015F-FF	A	DPDT On-On	Bright Green	Green Cap/Green Diffuser	10.73	9.69	8.99
633-UB26KKW015C-AB	UB26KKW015C-AB	A	DPDT On-On	Bright Red	Black Cap/Red Spot Illum.	11.97	10.80	10.03
633-UB26KKW015D-AB	UB26KKW015D-AB	A	DPDT On-On	Bright Amber	Black Cap/Amber Spot Illum.	11.97	10.80	10.03
633-UB26KKW015F-AB	UB26KKW015F-AB	A	DPDT On-On	Bright Green	Black Cap/Green Spot Illum.	11.97	10.80	10.03
633-UB15KKW016B-JB	UB15KKW016B-JB	A	SPDT On-(On)	Super Bright White	Clear cap/White diffuser	20.61	18.60	17.27
633-UB15KKW016F-JB	UB15KKW016F-JB	A	SPDT On-(On)	Super Bright Green	Clear cap/White diffuser	20.61	18.60	17.27
633-UB15KKW016G-JB	UB15KKW016G-JB	A	SPDT On-(On)	Super Bright Blue	Clear cap/White diffuser	20.61	18.60	17.27
633-UB16KKW016B-JB	UB16KKW016B-JB	A	SPDT On-On	Super Bright White	Clear cap/White diffuser	21.39	19.31	17.92
633-UB16KKW016F-JB	UB16KKW016F-JB	A	SPDT On-On	Super Bright Green	Clear cap/White diffuser	21.39	19.31	17.92
633-UB16KKW016G-JB	UB16KKW016G-JB	A	SPDT On-On	Super Bright Blue	Clear cap/White diffuser	21.39	19.31	17.92
633-UB25KKW016B-JB	UB25KKW016B-JB	A	DPDT On-(On)	Super Bright White	Clear cap/White diffuser	22.77	20.56	19.08
633-UB25KKW016F-JB	UB25KKW016F-JB	A	DPDT On-(On)	Super Bright Green	Clear cap/White diffuser	22.77	20.56	19.08
633-UB25KKW016G-JB	UB25KKW016G-JB	A	DPDT On-(On)	Super Bright Blue	Clear cap/White diffuser	22.77	20.56	19.08
633-UB26KKW016B-JB	UB26KKW016B-JB	A	DPDT On-On	Super Bright White	Clear cap/White diffuser	23.33	21.06	19.55
633-UB26KKW016F-JB	UB26KKW016F-JB	A	DPDT On-On	Super Bright Green	Clear cap/White diffuser	23.33	21.06	19.55
633-UB26KKW016G-JB	UB26KKW016G-JB	A	DPDT On-On	Super Bright Blue	Clear cap/White diffuser	23.33	21.06	19.55

NKK UB2 SERIES: LOW PROFILE ILLUMINATED PUSHBUTTONS

• Contacts & Ratings: Silver Rated 5A @ 125/250V AC • Sculptured Caps • Bright and Super Bright LEDs

( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Cap and Diffuser Colors	Price Each 1	25	50
633-215KKW015C-1JB	UB215KKW015C-1JB	B	SPDT On-(On)	Bright Red	Clear cap/White diffuser	10.03	9.63	9.03
633-215KKW015D-1JB	UB215KKW015D-1JB	B	SPDT On-(On)	Bright Amber	Clear cap/White diffuser	10.03	9.63	9.03
633-215KKW015F-1JB	UB215KKW015F-1JB	B	SPDT On-(On)	Bright Green	Clear cap/White diffuser	10.03	9.63	9.03
633-215KKW015C-1JC	UB215KKW015C-1JC	B	SPDT On-(On)	Bright Red	Clear cap/Red diffuser	10.03	9.63	9.03
633-215KKW015D-1JD	UB215KKW015D-1JD	B	SPDT On-(On)	Bright Amber	Clear cap/Amber diffuser	10.03	9.63	9.03
633-215KKW015F-1JF	UB215KKW015F-1JF	B	SPDT On-(On)	Bright Green	Clear cap/Green diffuser	10.03	9.63	9.03
633-215KKW01CF-1JB	UB215KKW01CF-1JB	B	SPDT On-(On)	Red/Green	Clear cap/White diffuser	13.93	13.38	12.54
633-216KKW015C-1JB	UB216KKW015C-1JB	B	SPDT On-On	Bright Red	Clear cap/White diffuser	10.73	10.30	9.66
633-216KKW015D-1JB	UB216KKW015D-1JB	B	SPDT On-On	Bright Amber	Clear cap/White diffuser	10.73	10.30	9.66
633-216KKW015F-1JB	UB216KKW015F-1JB	B	SPDT On-On	Bright Green	Clear cap/White diffuser	10.73	10.30	9.66
633-216KKW015C-1JC	UB216KKW015C-1JC	B	SPDT On-On	Bright Red	Clear cap/Red diffuser	10.73	10.30	9.66
633-216KKW015D-1JD	UB216KKW015D-1JD	B	SPDT On-On	Bright Amber	Clear cap/Amber diffuser	10.73	10.30	9.66
633-216KKW015F-1JF	UB216KKW015F-1JF	B	SPDT On-On	Bright Green	Clear cap/Green diffuser	10.73	10.30	9.66
633-216KKW01CF-1JB	UB216KKW01CF-1JB	B	SPDT On-On	Red/Green	Clear cap/White diffuser	14.63	14.05	13.17
633-225KKW015C-1JB	UB225KKW015C-1JB	B	DPDT On-(On)	Bright Red	Clear cap/White diffuser	12.08	11.60	10.88
633-225KKW015D-1JB	UB225KKW015D-1JB	B	DPDT On-(On)	Bright Amber	Clear cap/White diffuser	12.08	11.60	10.88
633-225KKW015F-1JB	UB225KKW015F-1JB	B	DPDT On-(On)	Bright Green	Clear cap/White diffuser	12.08	11.60	10.88
633-225KKW015C-1JC	UB225KKW015C-1JC	B	DPDT On-On)	Bright Red	Clear cap/Red diffuser	12.08	11.60	10.88
633-225KKW015D-1JD	UB225KKW015D-1JD	B	DPDT On-(On)	Bright Amber	Clear cap/Amber diffuser	12.08	11.60	10.88
633-225KKW015F-1JF	UB225KKW015F-1JF	B	DPDT On-(On)	Bright Green	Clear cap/Green diffuser	12.08	11.60	10.88
633-225KKW01CF-1JB	UB225KKW01CF-1JB	B	DPDT On-(On)	Red/Green	Clear cap/White diffuser	15.98	15.34	14.39
633-226KKW015C-1JB	UB226KKW015C-1JB	B	DPDT On-On	Bright Red	Clear cap/White diffuser	13.08	12.56	11.78
633-226KKW015D-1JB	UB226KKW015D-1JB	B	DPDT On-On	Bright Amber	Clear cap/White diffuser	13.08	12.56	11.78
633-226KKW015F-1JB	UB226KKW015F-1JB	B	DPDT On-On	Bright Green	Clear cap/White diffuser	13.08	12.56	11.78
633-226KKW015C-1JC	UB226KKW015C-1JC	B	DPDT On-On	Bright Red	Clear cap/Red diffuser	13.08	12.56	11.78
633-226KKW015D-1JD	UB226KKW015D-1JD	B	DPDT On-On	Bright Amber	Clear cap/Amber diffuser	13.08	12.56	11.78
633-226KKW015F-1JF	UB226KKW015F-1JF	B	DPDT On-On	Bright Green	Clear cap/Green diffuser	13.08	12.56	11.78
633-226KKW01CF-1JB	UB226KKW01CF-1JB	B	DPDT On-On	Red/Green	Clear cap/White diffuser	16.98	16.30	15.29
633-215KKW016B-1JB	UB215KKW016B-1JB	B	SPDT On-(On)	Super Bright White	Clear cap/White diffuser	22.90	20.67	19.19
633-215KKW016F-1JB	UB215KKW016F-1JB	B	SPDT On-(On)	Super Bright Green	Clear cap/White diffuser	22.90	20.67	19.19
633-215KKW016G-1JB	UB215KKW016G-1JB	B	SPDT On-(On)	Super Bright Blue	Clear cap/White diffuser	22.90	20.67	19.19
633-216KKW016B-1JB	UB216KKW016B-1JB	B	SPDT On-On	Super Bright White	Clear cap/White diffuser	23.68	21.38	19.84
633-216KKW016F-1JB	UB216KKW016F-1JB	B	SPDT On-On	Super Bright Green	Clear cap/White diffuser	23.68	21.38	19.84
633-216KKW016G-1JB	UB216KKW016G-1JB	B	SPDT On-On	Super Bright Blue	Clear cap/White diffuser	23.68	21.38	19.84
633-225KKW016B-1JB	UB225KKW016B-1JB	B	DPDT On-(On)	Super Bright White	Clear cap/White diffuser	25.18	22.73	21.10
633-225KKW016F-1JB	UB225KKW016F-1JB	B	DPDT On-(On)	Super Bright Green	Clear cap/White diffuser	25.18	22.73	21.10
633-225KKW016G-1JB	UB225KKW016G-1JB	B	DPDT On-(On)	Super Bright Blue	Clear cap/White diffuser	25.18	22.73	21.10
633-226KKW016B-1JB	UB226KKW016B-1JB	B	DPDT On-On	Super Bright White	Clear cap/White diffuser	26.29	23.73	22.03
633-226KKW016F-1JB	UB226KKW016F-1JB	B	DPDT On-On	Super Bright Green	Clear cap/White diffuser	26.29	23.73	22.03
633-226KKW016G-1JB	UB226KKW016G-1JB	B	DPDT On-On	Super Bright Blue	Clear cap/White diffuser	26.29	23.73	22.03

DIMENSIONS (IN.)

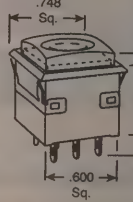
A

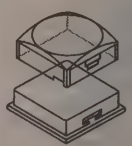
Transparent Cap

Colored Diffuser

Black w/Spot Illumination

B




Clear Lens

Colored Diffuser

Bright LED's

LED Specifications	Color Red	Amber	Green	Red/ Green	Units
Forward Peak Current	30	30	25	60/60	mA
Cont. Forward Cmt.	20	20	20	48/48	mA
Forward Voltage	1.85	2	2.1	1.8/2.0	V
Reverse Peak Voltage	5	5	5	5/5	V
Cmt. Reduction Rate Above 25°C	0.40	0.42	0.46	1.0/1.0	mA/°C
Ambient Temp. Range	-25°C ~ +50°C				

UB Series Super Bright LEDs

LED Specifications	White	Green	Blue	Units
Forward Peak Current	30	30	30	mA
Cont. Forward Cmt.	20	20	20	mA
Forward Voltage	3.5	3.2	3.5	V
Reverse Peak Voltage	5	5	5	V
Cmt. Reduction Rate Above 25°C	0.50	0.50	0.50	mA/°C
Ambient Temp. Range	-25°C ~ +50°C			

UB2 Series Super Bright LEDs

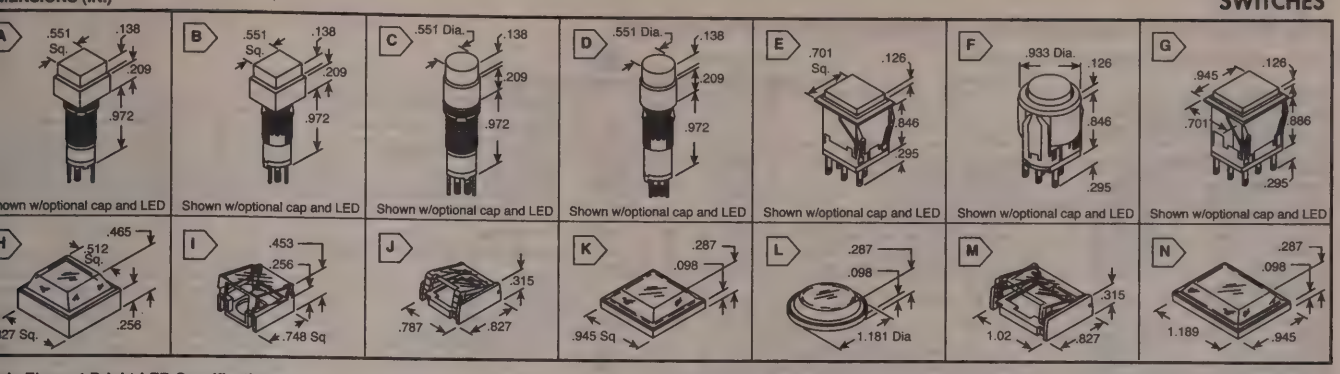
LED Specifications	White	Green	Blue	Units
Forward Peak Current	25	25	25	mA
Cont. Forward Cmt.	20	20	20	mA
Forward Voltage	3.6	3.5	3.6	V
Reverse Peak Voltage	5	5	5	V
Cmt. Reduction Rate Above 25°C	0.40	0.40	0.40	mA/°C
Ambient Temp. Range	-25°C ~ +50°C			

MOUSER ELECTRONICS a ttl company (800) 346-6873

NKK Illuminated Pushbutton Switches

NKK® SWITCHES

MENSIONS (IN.)



own w/optional cap and LED | Shown w/optional cap and LED | Shown w/optional cap and LED | Shown w/optional cap and LED | Shown w/optional cap and LED | Shown w/optional cap and LED | Shown w/optional cap and LED

gle Element Bright LED Specifications

or	Red	Amber	Green
ward Peak Current	30mA	30mA	30mA
tinuous Forward Current	20mA	20mA	20mA
ward Voltage	1.9V	2.0V	2.1V
erse Peak Voltage	5V	5V	5V
rent Reduction Rate Above 25°C	0.42mA/°C	0.29mA/°C	0.42mA/°C
bient Temperature Range	-25~+50°C		

ndescent Lamp Specifications

age AC	5V AC	12V AC
rent	115mA	60mA
urance (Hours)	7,000	
bient Temperature Range	-25~+50°C	

K KB SERIES: ILLUMINATED MINIATURE PUSHBUTTONS

olyamide housing and housing base
ower rating: 1A @ 125/250 VAC or 30 VDC

( ) = Momentary For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each 1	25	50
uare, Bushing Mounting							
-KB15SKW01	KB15SKW01	A	SPDT On-(On)	Silver	5.15	4.68	4.52
-KB16SKW01	KB16SKW01	A	SPDT On-On	Silver	5.69	5.18	5.00
-KB25SKW01	KB25SKW01	A	DPDT On-(On)	Silver	6.93	6.30	6.09
-KB26SKW01	KB26SKW01	A	DPDT On-On	Silver	7.43	6.75	6.53
uare, Snap-In Mounting							
-KB15KKW01	KB15KKW01	B	SPDT On-(On)	Silver	5.15	4.68	4.52
-KB16KKW01	KB16KKW01	B	SPDT On-On	Silver	5.69	5.18	5.00
-KB25KKW01	KB25KKW01	B	DPDT On-(On)	Silver	6.93	6.30	6.09
-KB26KKW01	KB26KKW01	B	DPDT On-On	Silver	7.43	6.75	6.53
p-on caps for use with square switches and incandescent lamp AT611							
-AT485BB	AT485BB		Translucent white lens/white filter		.89	.81	.76
-AT485CB	AT485CB		Translucent red lens/white filter		.89	.81	.76
-AT485EB	AT485EB		Translucent yellow lens/white filter		.89	.81	.76
-AT485FB	AT485FB		Translucent green lens/white filter		.89	.81	.76
-AT485GB	AT485GB		Translucent blue lens/white filter		.89	.81	.76
p-on caps for use with square switches and bright LED AT635							
-AT4133JB	AT4133JB		Clear lens/white translucent diffuser		.89	.81	.76
-AT4158JC	AT4158JC		Clear lens/red translucent diffuser		.89	.81	.76
-AT4158JD	AT4158JD		Clear lens/amber translucent diffuser		.89	.81	.76
-AT4158JF	AT4158JF		Clear lens/green translucent diffuser		.89	.81	.76
nd, Bushing Mounting							
-KB15CKW01	KB15CKW01	C	SPDT On-(On)	Silver	5.15	4.68	4.52
-KB16CKW01	KB16CKW01	C	SPDT On-On	Silver	5.69	5.18	5.00
-KB25CKW01	KB25CKW01	C	DPDT On-(On)	Silver	6.93	6.30	6.09
-KB26CKW01	KB26CKW01	C	DPDT On-On	Silver	7.43	6.75	6.53
nd, Snap-In Mounting							
-KB15MKW01	KB15MKW01	D	SPDT On-(On)	Silver	5.15	4.68	4.52
-KB16MKW01	KB16MKW01	D	SPDT On-On	Silver	5.69	5.18	5.00
-KB25MKW01	KB25MKW01	D	DPDT On-(On)	Silver	6.93	6.30	6.09
-KB26MKW01	KB26MKW01	D	DPDT On-On	Silver	7.43	6.75	6.53
p-on caps for use with round switches and incandescent lamp AT611							
-AT486BB	AT486BB		Translucent white lens/white filter		.89	.81	.76
-AT486CB	AT486CB		Translucent red lens/white filter		.89	.81	.76
-AT486EB	AT486EB		Translucent yellow lens/white filter		.89	.81	.76
-AT486FB	AT486FB		Translucent green lens/white filter		.89	.81	.76
p-on caps for use with round switches and bright LED AT635							
-AT4132JB	AT4132JB		Clear lens/white translucent diffuser		.89	.81	.76
-AT4160JC	AT4160JC		Clear lens/red translucent diffuser		.89	.81	.76
-AT4160JD	AT4160JD		Clear lens/amber translucent diffuser		.89	.81	.76
-AT4160JF	AT4160JF		Clear lens/green translucent diffuser		.89	.81	.76
ndescent Lamps and Bright LEDs for KB series							
-AT611-5V	AT611-5V		Incandescent lamp, 5 VAC, T-1		1.60	1.44	1.35
-AT611-12V	AT611-12V		Incandescent lamp, 12 VAC, T-1		1.60	1.44	1.35
-AT635C	AT635C		T-1 1/2 Cylindrical red LED		1.85	1.66	1.55
-AT635D	AT635D		T-1 1/2 Cylindrical amber LED		1.85	1.66	1.55
-AT635F	AT635F		T-1 1/2 Cylindrical green LED		1.85	1.66	1.55

NKK LB SERIES: ILLUMINATED STANDARD PUSHBUTTONS

- Polyamide housing
- Power rating: 3A @125/250 VAC or 30 VDC

( ) = Momentary For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each 1	25	50
Square Switches							
633-LB15SKW01	LB15SKW01	E	SPDT On-(On)	Silver	7.72	7.25	7.02
633-LB16SKW01	LB16SKW01	E	SPDT On-On	Silver	8.91	8.37	8.10
633-LB25SKW01	LB25SKW01	E	DPDT On-(On)	Silver	9.70	9.11	8.82
633-LB26SKW01	LB26SKW01	E	DPDT On-On	Silver	10.89	10.23	9.90
Snap-On caps for use with square switches and incandescent lamp AT607							
633-AT476BJ	AT476BJ		Translucent white lens/clear filter		1.39	1.30	1.26
633-AT476CJ	AT476CJ		Translucent red lens/clear filter		1.39	1.30	1.26
633-AT476EJ	AT476EJ		Translucent yellow lens/clear filter		1.39	1.30	1.26
633-AT476FJ	AT476FJ		Translucent green lens/clear filter		1.39	1.30	1.26
633-AT476GJ	AT476GJ		Translucent blue lens/clear filter		1.39	1.30	1.26
Snap-on caps for use with square switches and bright LED AT635							
633-AT4176JC	AT4176JC		Clear lens/red translucent diffuser		1.39	1.30	1.26
633-AT4176JD	AT4176JD		Clear lens/amber translucent diffuser		1.39	1.30	1.26
633-AT4176JF	AT4176JF		Clear lens/green translucent diffuser		1.39	1.30	1.26
Round Switches							
633-LB15CKW01	LB15CKW01	F	SPDT On-(On)	Silver	7.72	7.25	7.02
633-LB16CKW01	LB16CKW01	F	SPDT On-On	Silver	8.91	8.37	8.10
633-LB25CKW01	LB25CKW01	F	DPDT On-(On)	Silver	9.70	9.11	8.82
633-LB26CKW01	LB26CKW01	F	DPDT On-On	Silver	10.89	10.23	9.90
Snap-on caps for use with round switches and incandescent lamp AT607							
633-AT4012BJ	AT4012BJ		Translucent white lens/clear filter		1.39	1.30	1.26
633-AT4012CJ	AT4012CJ		Translucent red lens/clear filter		1.39	1.30	1.26
633-AT4012EJ	AT4012EJ		Translucent yellow lens/clear filter		1.39	1.30	1.26
633-AT4012FJ	AT4012FJ		Translucent green lens/clear filter		1.39	1.30	1.26
633-AT4012GJ	AT4012GJ		Translucent blue lens/clear filter		1.39	1.30	1.26
Snap-on caps for use with round switches and bright LED AT635							
633-AT4178JC	AT4178JC		Clear lens/red translucent diffuser		1.39	1.30	1.26
633-AT4178JD	AT4178JD		Clear lens/amber translucent diffuser		1.39	1.30	1.26
633-AT4178JF	AT4178JF		Clear lens/green translucent diffuser		1.39	1.30	1.26
Rectangular Switches							
633-LB15RKW01	LB15RKW01	G	SPDT On-(On)	Silver	7.72	7.25	7.02
633-LB16RKW01	LB16RKW01	G	SPDT On-On	Silver	8.91	8.37	8.10
633-LB25RKW01	LB25RKW01	G	DPDT On-(On)	Silver	9.70	9.11	8.82
633-LB26RKW01	LB26RKW01	G	DPDT On-On	Silver	10.89	10.23	9.90
Snap-on caps for use with rectangular switches and incandescent lamp AT607							
633-AT4026BJ	AT4026BJ		Translucent white lens/clear filter		1.39	1.30	1.26
633-AT4026CJ	AT4026CJ		Translucent red lens/clear filter		1.39	1.30	1.26
633-AT4026EJ	AT4026EJ		Translucent yellow lens/clear filter		1.39	1.30	1.26
633-AT4026FJ	AT4026FJ		Translucent green lens/clear filter		1.39	1.30	1.26
633-AT4026GJ	AT4026GJ		Translucent blue lens/clear filter		1.39	1.30	1.26
Snap-on caps for use with rectangular switches and bright LED AT635							
633-AT4177JC	AT4177JC		Clear lens/red translucent diffuser		1.39	1.30	1.26
633-AT4177JD	AT4177JD		Clear lens/amber translucent diffuser		1.39	1.30	1.26
633-AT4177JF	AT4177JF		Clear lens/green translucent diffuser		1.39	1.30	1.26
Incandescent Lamps and Bright LEDs for LB series							
633-AT607-5V	AT607-5V		Incandescent lamp, 5 VAC, T-1		1.60	1.44	1.35
633-AT607-12V	AT607-12V		Incandescent lamp, 12 VAC, T-1		1.60	1.44	1.35
633-AT635C	AT635C		T-1 1/2 Cylindrical red LED		1.85	1.66	1.55
633-AT635D	AT635D		T-1 1/2 Cylindrical amber LED		1.85	1.66	1.55
633-AT635F	AT635F		T-1 1/2 Cylindrical green LED		1.85	1.66	1.55

NKK OPTIONAL ACCESSORIES FOR KB AND LB SERIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each 1	25	50
633-AT495	AT495	H	Square and Round dust cover, KB	1.30	1.22	1.15
633-AT494	AT494	I	Square and Round protective guard, KB	1.30	1.22	1.15
633-AT499	AT499	J	Square protective guard, LB	1.69	1.53	1.48
633-AT4001	AT4001	K	Square dust cover, LB	1.58	1.49	1.44
633-AT4002	AT4002	L	Round dust cover, LB	1.58	1.49	1.44
633-AT4057	AT4057	M	Rectangular protective guard, LB	1.69	1.53	1.48
633-AT4011	AT4011	N	Rectangular dust cover, LB	1.58	1.49	1.44
633-AT111	AT111	- -	Lamping tool, LB and KB	.59	.54	.50
633-AT109	AT109	- -	Cap extractor, LB and KB	1.33	1.26	1.18
633-AT108	AT108	- -	Socket wrench, KB	1.51	1.43	1.26
633-AT112	AT112	- -	Socket wrench, LB	2.32	2.20	2.07

NKK HB SERIES: ILLUMINATED SUBMINIATURE PUSHBUTTONS

• Contact Material and Ratings: Silver, 0.1A max. @ 30 VAC/DC • Bright LEDs

( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part Number	Fig.	Circuit	Price Each 1	25	50
Square Switches						
633-HB15SKW01	HB15SKW01	A	SPDT On-(On)	5.95	5.46	5.04
633-HB16SKW01	HB16SKW01	A	SPDT On-On	6.45	5.92	5.46
Snap-on caps for use with square switches						
633-AT4166CB	AT4166CB	C	Transparent red lens/white diffuser	1.06	.97	.86
633-AT4166DB	AT4166DB	C	Transparent amber lens/white diffuser	1.06	.97	.86
633-AT4166FB	AT44166FB	C	Transparent grn lens/white diffuser	1.06	.97	.86
633-AT4052A	AT4052AB	D	Spot illuminated; use with LED	1.42	1.22	1.12
Round Switches						
633-HB15CKW01	HB15CKW01	B	SPDT On-(On)	5.95	5.46	5.04
633-HB16CKW01	HB16CKW01	B	SPDT On-On	6.45	5.92	5.46
Snap-on caps for use with round switches						
633-AT4167CB	AT4167CB	E	Transparent red lens/white diffuser	1.06	.97	.86
633-AT4167DB	AT4167DB	E	Transparent amber lens/white diffuser	1.06	.97	.86
633-AT4167FB	AT4167FB	E	Transparent grn lens/white diffuser	1.06	.97	.86
Bright LEDs for HB series						
633-AT633C	AT633C	- -	T-1 Bi-pin, red	1.48	1.28	1.15
633-AT633D	AT633D	- -	T-1 Bi-pin, amber	1.48	1.28	1.15
633-AT633F	AT633F	- -	T-1 Bi-pin, green	1.48	1.28	1.15
Accessories						
633-AT111	AT111	- -	Lamping Tool	.59	.54	.50
633-AT109	AT109	- -	Cap Extractor	1.33	1.26	1.18
633-AT110	AT110	- -	Socket Wrench	2.85	2.69	2.53

HB Series

Single Element Bright LED Specifications

Color	Red	Amber	Green
Forward Peak Current	30mA	30mA	25mA
Continuous Forward Current	20mA	20mA	20mA
Forward Voltage	1.85V	2.0V	2.2V
Reverse Peak Voltage	5V	5V	5V
Current Reduction Rate Above 25°C	0.40mA/°C	0.42mA/°C	0.38mA/°
Ambient Temperature Range	-25 ~ +50°C		

HB2 Series

Single Element Bicolor LED Specifications

Color	Red/Yellow	Red/Green
Forward Peak Current	30/30mA	30/30mA
Continuous Forward Current	20/20mA	20/20mA
Forward Voltage	2.0/2.1V	2.0/2.1V
Reverse Peak Voltage	4/4V	4/4V
Current Reduction Rate Above 25°C	0.33/0.33mA/°C	0.33/0.33mA/°C
Ambient Temperature Range	-25 ~ +50°C	

YB Series

Single Element Bright & Super Bright LED Specifications

	Bright			Super Bright		
Color	Red	Amber	Green	White	Green	Bl
Forward Peak Current	40mA	40mA	40mA	30mA	30mA	30
Continuous Forward Current	26mA	26mA	26mA	20mA	20mA	20
Forward Voltage	1.9V	2.0V	2.2V	3.6V	3.5V	3.6
Reverse Peak Voltage	4V	4V	4V	5V	5V	5
Current Reduction Rate Above 25°C	0.50mA/°C	0.50mA/°C	0.50mA/°C	0.50mA/°C	0.50mA/°C	0.50m
Ambient Temperature Range	-25 ~ +50°C					

NKK HB2 SERIES: QUIET ACTUATION ILLUMINATED PUSHBUTTONS

• Contact Material and Ratings: Gold, 0.4VA @ 28V AC/DC • Bicolor LEDs

( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part Number	Fig.	Circuit	LED Color	Lens/Diffuser Colors	Price Each 1	25	50
633-HB215SKG03CE-JB	HB215SKG03CE-JB	F	SPST On-(On)	Red/Yellow	Clear/White	6.25	6.00	5.63
633-HB215SKG03CF-JB	HB215SKG03CF-JB	F	SPST On-(On)	Red/Green	Clear/White	6.25	6.00	5.63

NKK YB SERIES: SHORT BODY ILLUMINATED PUSHBUTTONS WITH PANEL SEAL

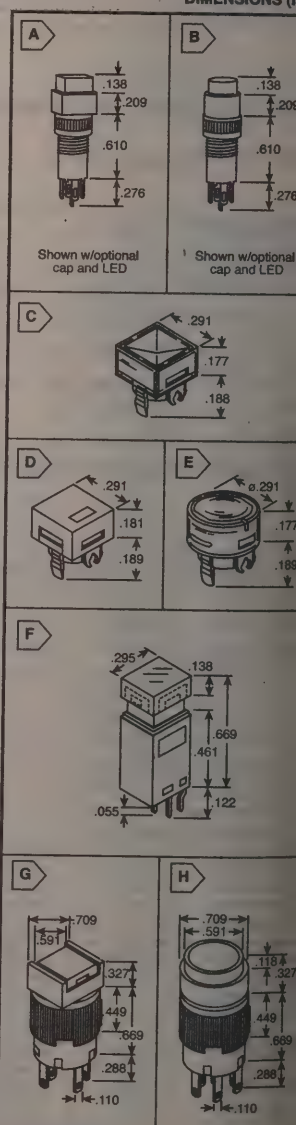
• Contact Material and Ratings: Silver, 3A @ 125V AC • IP-Degree IP65 (IEC529) • Bright & Super Bright LEDs

( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part Number	Fig.	Circuit	LED Color	Lens/Diffuser Colors	Price Each 1	25	50
Square Switches								
633-YB15WSKW01-5C-JC	YB15WSKW01-5C-JC	G	SPDT On-(On)	Bright Red	Clear /Red	15.73	14.20	13.18
633-YB15WSKW01-5D-JD	YB15WSKW01-5D-JD	G	SPDT On-(On)	Bright Amber	Clear /Amber	15.73	14.20	13.18
633-YB15WSKW01-5F-JF	YB15WSKW01-5F-JF	G	SPDT On-(On)	Bright Green	Clear /Green	15.73	14.20	13.18
633-YB16WSKW01-5C-JC	YB16WSKW01-5C-JC	G	SPDT On-On	Bright Red	Clear /Red	17.00	15.35	14.24
633-YB16WSKW01-5D-JD	YB16WSKW01-5D-JD	G	SPDT On-On	Bright Amber	Clear /Amber	17.00	15.35	14.24
633-YB16WSKW01-5F-JF	YB16WSKW01-5F-JF	G	SPDT On-On	Bright Green	Clear /Green	17.00	15.35	14.24
633-YB25WSKW01-5C-JC	YB25WSKW01-5C-JC	G	DPDT On-(On)	Bright Red	Clear /Red	17.83	16.10	14.94
633-YB25WSKW01-5D-JD	YB25WSKW01-5D-JD	G	DPDT On-(On)	Bright Amber	Clear /Amber	17.83	16.10	14.94
633-YB25WSKW01-5F-JF	YB25WSKW01-5F-JF	G	DPDT On-(On)	Bright Green	Clear /Green	17.83	16.10	14.94
633-YB26WSKW01-5C-JC	YB26WSKW01-5C-JC	G	DPDT On-On	Bright Red	Clear /Red	17.78	16.05	14.90
633-YB26WSKW01-5D-JD	YB26WSKW01-5D-JD	G	DPDT On-On	Bright Amber	Clear /Amber	17.78	16.05	14.90
633-YB26WSKW01-5F-JF	YB26WSKW01-5F-JF	G	DPDT On-On	Bright Green	Clear /Green	17.78	16.05	14.90
633-YB15WSKW01-6B-JB	YB15WSKW01-6B-JB	G	SPDT On-(On)	Super Bright White	Clear /White	19.72	17.80	16.52
633-YB15WSKW01-6F-JB	YB15WSKW01-6F-JB	G	SPDT On-(On)	Super Bright Green	Clear /White	19.72	17.80	16.52
633-YB15WSKW01-6G-JB	YB15WSKW01-6G-JB	G	SPDT On-(On)	Super Bright Blue	Clear /White	19.72	17.80	16.52
633-YB16WSKW01-6B-JB	YB16WSKW01-6B-JB	G	SPDT On-On	Super Bright White	Clear /White	21.00	18.95	17.59
633-YB16WSKW01-6F-JB	YB16WSKW01-6F-JB	G	SPDT On-On	Super Bright Green	Clear /White	21.00	18.95	17.59
633-YB16WSKW01-6G-JB	YB16WSKW01-6G-JB	G	SPDT On-On	Super Bright Blue	Clear /White	21.00	18.95	17.59
633-YB25WSKW01-6B-JB	YB25WSKW01-6B-JB	G	DPDT On-(On)	Super Bright White	Clear /White	21.83	19.71	18.29
633-YB25WSKW01-6F-JB	YB25WSKW01-6F-JB	G	DPDT On-(On)	Super Bright Green	Clear /White	21.83	19.71	18.29
633-YB25WSKW01-6G-JB	YB25WSKW01-6G-JB	G	DPDT On-(On)	Super Bright Blue	Clear /White	21.83	19.71	18.29
633-YB26WSKW01-6B-JB	YB26WSKW01-6B-JB	G	DPDT On-On	Super Bright White	Clear /White	22.66	20.46	18.99
633-YB26WSKW01-6F-JB	YB26WSKW01-6F-JB	G	DPDT On-On	Super Bright Green	Clear /White	22.66	20.46	18.99
633-YB26WSKW01-6G-JB	YB26WSKW01-6G-JB	G	DPDT On-On	Super Bright Blue	Clear /White	22.66	20.46	18.99
Round Switches								
633-YB15WCKW01-5C-JC	YB15WCKW01-5C-JC	H	SPDT On-(On)	Bright Red	Clear /Red	15.73	14.20	13.18
633-YB15WCKW01-5D-JD	YB15WCKW01-5D-JD	H	SPDT On-(On)	Bright Amber	Clear /Amber	15.73	14.20	13.18
633-YB15WCKW01-5F-JF	YB15WCKW01-5F-JF	H	SPDT On-(On)	Bright Green	Clear /Green	15.73	14.20	13.18
633-YB16WCKW01-5C-JC	YB16WCKW01-5C-JC	H	SPDT On-On	Bright Red	Clear /Red	17.00	15.35	14.24
633-YB16WCKW01-5D-JD	YB16WCKW01-5D-JD	H	SPDT On-On	Bright Amber	Clear /Amber	17.00	15.35	14.24
633-YB16WCKW01-5F-JF	YB16WCKW01-5F-JF	H	SPDT On-On	Bright Green	Clear /Green	17.00	15.35	14.24
633-YB25WCKW01-5C-JC	YB25WCKW01-5C-JC	H	DPDT On-(On)	Bright Red	Clear /Red	17.83	16.10	14.94
633-YB25WCKW01-5D-JD	YB25WCKW01-5D-JD	H	DPDT On-(On)	Bright Amber	Clear /Amber	17.83	16.10	14.94
633-YB25WCKW01-5F-JF	YB25WCKW01-5F-JF	H	DPDT On-(On)	Bright Green	Clear /Green	17.83	16.10	14.94
633-YB26WCKW01-5C-JC	YB26WCKW01-5C-JC	H	DPDT On-On	Bright Red	Clear /Red	17.78	16.05	14.90
633-YB26WCKW01-5D-JD	YB26WCKW01-5D-JD	H	DPDT On-On	Bright Amber	Clear /Amber	17.78	16.05	14.90
633-YB26WCKW01-5F-JF	YB26WCKW01-5F-JF	H	DPDT On-On	Bright Green	Clear /Green	17.78	16.05	14.90
633-YB15WCKW01-6B-JB	YB15WCKW01-6B-JB	H	SPDT On-(On)	Super Bright White	Clear /White	19.72	17.80	16.52
633-YB15WCKW01-6F-JB	YB15WCKW01-6F-JB	H	SPDT On-(On)	Super Bright Green	Clear /White	19.72	17.80	16.52
633-YB15WCKW01-6G-JB	YB15WCKW01-6G-JB	H	SPDT On-(On)	Super Bright Blue	Clear /White	19.72	17.80	16.52
633-YB16WCKW01-6B-JB	YB16WCKW01-6B-JB	H	SPDT On-On	Super Bright White	Clear /White	21.00	18.95	17.59
633-YB16WCKW01-6F-JB	YB16WCKW01-6F-JB	H	SPDT On-On	Super Bright Green	Clear /White	21.00	18.95	17.59
633-YB16WCKW01-6G-JB	YB16WCKW01-6G-JB	H	SPDT On-On	Super Bright Blue	Clear /White	21.00	18.95	17.59
633-YB25WCKW01-6B-JB	YB25WCKW01-6B-JB	H	DPDT On-(On)	Super Bright White	Clear /White	21.83	19.71	18.29
633-YB25WCKW01-6F-JB	YB25WCKW01-6F-JB	H	DPDT On-(On)	Super Bright Green	Clear /White	21.83	19.71	18.29
633-YB25WCKW01-6G-JB	YB25WCKW01-6G-JB	H	DPDT On-(On)	Super Bright Blue	Clear /White	21.83	19.71	18.29
633-YB26WCKW01-6B-JB	YB26WCKW01-6B-JB	H	DPDT On-On	Super Bright White	Clear /White	22.66	20.46	18.99
633-YB26WCKW01-6F-JB	YB26WCKW01-6F-JB	H	DPDT On-On	Super Bright Green	Clear /White	22.66	20.46	18.99
633-YB26WCKW01-6G-JB	YB26WCKW01-6G-JB	H	DPDT On-On	Super Bright Blue	Clear /White	22.66	20.46	18.99

DIMENSIONS (I



NKK SWITCHES

01 SERIES: SHORT BODY PUSHBUTTONS

ures:
ntact Material: Silver
ing: 3A @ 125VAC/250VAC
vironmentally Friendly Components

- Bushing or Snap-In Mounting
- Suited for Lead Free Soldering
- UL 94V-0 Housing and Base
- Tamper Proof Caps

LEAD-FREE

-Illuminated

( ) = Momentary — For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Cap Color	Price Each 1	25	50
shing Mount							
-LP0115CCKW01C	LP0115CCKW01C	A	SPDT On-(On)	Red	7.20	6.91	6.48
-LP0115CCKW01A	LP0115CCKW01A	A	SPDT On-(On)	Black	7.20	6.91	6.48
-LP0115CCKW01F	LP0115CCKW01F	A	SPDT On-(On)	Green	7.20	6.91	6.48
-LP0125CCKW01C	LP0125CCKW01C	A	DPDT On-(On)	Red	8.40	8.06	7.56
-LP0125CCKW01A	LP0125CCKW01A	A	DPDT On-(On)	Black	8.40	8.06	7.56
-LP0125CCKW01F	LP0125CCKW01F	A	DPDT On-(On)	Green	8.40	8.06	7.56
ap-In Mount							
-LP0115CMKW01C	LP0115CMKW01C	B	SPDT On-(On)	Red	7.20	6.91	6.48
-LP0115CMKW01A	LP0115CMKW01A	B	SPDT On-(On)	Black	7.20	6.91	6.48
-LP0115CMKW01F	LP0115CMKW01F	B	SPDT On-(On)	Green	7.20	6.91	6.48
-LP0125CMKW01C	LP0125CMKW01C	B	DPDT On-(On)	Red	8.40	8.06	7.56
-LP0125CMKW01A	LP0125CMKW01A	B	DPDT On-(On)	Black	8.40	8.06	7.56
-LP0125CMKW01F	LP0125CMKW01F	B	DPDT On-(On)	Green	8.40	8.06	7.56

minated

( ) = Momentary — For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each 1	25	50
shing Mount							
-LP0115CCKW015CB	LP0115CCKW015CB	A	SPDT On-(On)	Red	8.90	8.54	8.01
-LP0115CCKW015DB	LP0115CCKW015DB	A	SPDT On-(On)	Amber	8.90	8.54	8.01
-LP0115CCKW015FB	LP0115CCKW015FB	A	SPDT On-(On)	Green	8.90	8.54	8.01
-LP0125CCKW015CB	LP0125CCKW015CB	A	DPDT On-(On)	Red	10.10	9.70	9.09
-LP0125CCKW015DB	LP0125CCKW015DB	A	DPDT On-(On)	Amber	10.10	9.70	9.09
-LP0125CCKW015FB	LP0125CCKW015FB	A	DPDT On-(On)	Green	10.10	9.70	9.09
ap-In Mount							
-LP0115CMKW015CB	LP0115CMKW015CB	B	SPDT On-(On)	Red	8.90	8.54	8.01
-LP0115CMKW015DB	LP0115CMKW015DB	B	SPDT On-(On)	Amber	8.90	8.54	8.01
-LP0115CMKW015FB	LP0115CMKW015FB	B	SPDT On-(On)	Green	8.90	8.54	8.01
-LP0125CMKW015CB	LP0125CMKW015CB	B	DPDT On-(On)	Red	10.10	9.70	9.09
-LP0125CMKW015DB	LP0125CMKW015DB	B	DPDT On-(On)	Amber	10.10	9.70	9.09
-LP0125CMKW015FB	LP0125CMKW015FB	B	DPDT On-(On)	Green	10.10	9.70	9.09

3 SERIES: ULTRA-MINIATURE FULLY ILLUMINATED PLUNGERS

tures:
ntact Material: Gold
ing: 0.4VA max. @ 28VAC/VDC max.
shable

- Ideal for Handheld Equipment
- Smooth, Positive Detent Actuation
- Highly Visible Indication Status
- Process Sealed

LEAD-FREE

( ) = Momentary — For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each 1	25	50
aight PC							
-GB15JPC	GB15JPC	C	SPDT ON-(ON)	Red	5.60	5.38	5.04
-GB15JPD	GB15JPD	C	SPDT ON-(ON)	Amber	5.60	5.38	5.04
-GB15JPF	GB15JPF	C	SPDT ON-(ON)	Green	5.60	5.38	5.04
ght Angle PC							
-GB15JHC	GB15JHC	D	SPDT ON-(ON)	Red	6.18	5.93	5.56
-GB15JHD	GB15JHD	D	SPDT ON-(ON)	Amber	6.18	5.93	5.56
-GB15JHF	GB15JHF	D	SPDT ON-(ON)	Green	6.18	5.93	5.56
rtical PC							
-GB15JVC	GB15JVC	E	SPDT ON-(ON)	Red	6.18	5.93	5.56
-GB15JVD	GB15JVD	E	SPDT ON-(ON)	Amber	6.18	5.93	5.56
-GB15JVF	GB15JVF	E	SPDT ON-(ON)	Green	6.18	5.93	5.56

01 SERIES: CONTACTLESS PUSHBUTTONS

tures:
oto Interrupter
ap-In Mount
illion Actuations

- Rugged Construction
- 6-Pin Connector
- Brilliant Illumination
- Tamper Proof Caps

( ) = Momentary — For quantities of 100 and up, call for quote.

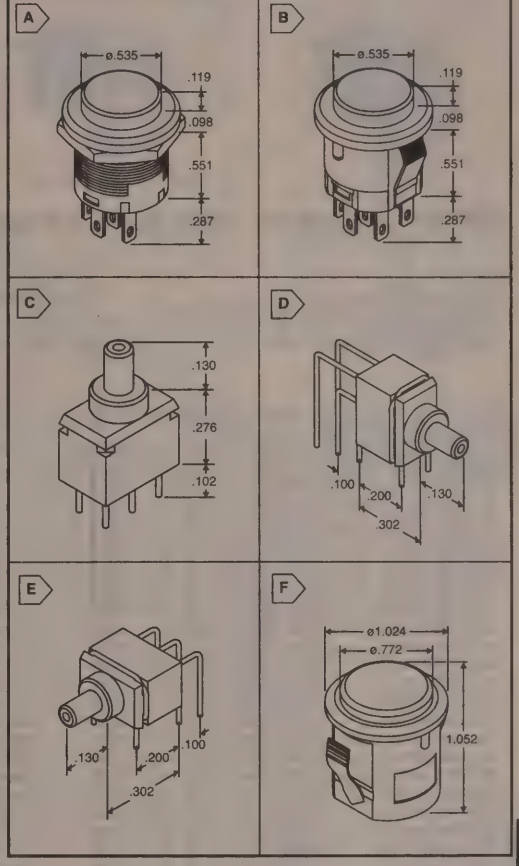
MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each 1	25	50
-FP0115CAC1BC	FP0115CAC1BC	F	Unshaded-(Shaded)	White/Red	16.14	15.17	13.45
-FP0115CAC1BD	FP0115CAC1BD	F	Unshaded-(Shaded)	White/Amber	16.14	15.17	13.45
-FP0115CAC1BF	FP0115CAC1BF	F	Unshaded-(Shaded)	White/Green	16.14	15.17	13.45
-FP0115CAC1CC	FP0115CAC1CC	F	Unshaded-(Shaded)	Red/Red	16.14	15.17	13.45
-FP0115CAC1DD	FP0115CAC1DD	F	Unshaded-(Shaded)	Amber/Amber	16.14	15.17	13.45
-FP0115CAC1FF	FP0115CAC1FF	F	Unshaded-(Shaded)	Green/Green	16.14	15.17	13.45

cessories

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Description	Price Each 1	25	50
-AT021	AT021	Assembled Connector Plug w/ Wire Leads	3.99	3.85	3.71
-AT022	AT022	Unassembled Connector Plug and Pins	.30	.29	.27

DIMENSIONS: IN.



LED Specifications for LP01 Series	Red	Amber	Green
Forward Peak Current (mA)	30	30	30
Continuous Forward Current (mA)	20	20	20
Forward Voltage (V)	1.95	2.0	2.1
Reverse Peak Voltage (V)	5	5	5
Crnt. Reduction Rate Above 25°C (mA/°C)	0.41	0.29	0.39
Ambient Temperature Range	-10°C ~ +50°C		

LED Specifications for GB Series	Red	Amber	Green
Forward Peak Current (mA)	30	30	25
Continuous Forward Current (mA)	20	20	20
Forward Voltage (V)	1.9	1.9	2.1
Reverse Peak Voltage (V)	5	5	5
Crnt. Reduction Rate Above 25°C (mA/°C)	0.43	0.43	0.36
Ambient Temperature Range	-25°C ~ +55°C		

LED Specifications for FP01 Series	Red	Amber	Green
Forward Peak Current (mA)	30	25	25
Continuous Forward Current (mA)	20	20	20
Forward Voltage (V)	1.85	2.0	2.25
Reverse Peak Voltage (V)	5	5	5
Crnt. Reduction Rate Above 25°C (mA/°C)	0.38	0.28	0.40
Ambient Temperature Range	-25°C ~ +50°C		

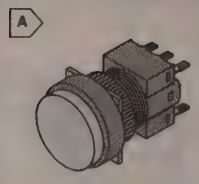
FP01 Photo Interrupter Specifications:

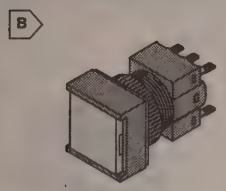
Electrical & Optical Characteristics	Typ.	Max.	Condition
Input			
Forward Voltage:	1.3V	1.6V	I_F = 50mA
Reverse Current:	- - -	10μA	F_R = 5V
Transmission			
Collector-Emitter Saturation Voltage:	- - -	0.4V	I_F = 20mA I_C = 0.1mA

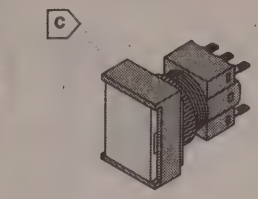
Absolute Maximum Ratings	
Input LED	Output Photo Transistor
Forward Current: 50mA Reverse Voltage: 5V Power Dissipation: 80mW	Collector-Emitter Voltage : 30V Emitter-Collector Voltage : 4.5V Collector Current : 30mA Collector Dissipation : 80mW

OMRON 16mm Pushbutton Switches

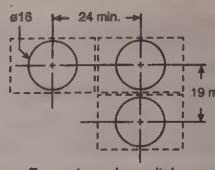
OMRON INDUSTRIAL AUTOMATI





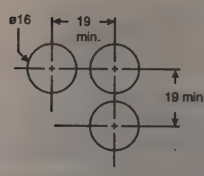


Panel Cutouts



For rectangular switches

DIMENSIONS (mm)

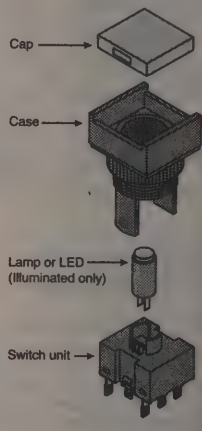


For round and square switches

OMRON A16 SERIES: 16MM NON-ILLUMINATED PUSHBUTTON SWITCHES

Features:
- 2-Piece snap-together construction
- "Snap-in" switch unit for quick and easy, tool-free assembly
- Short mounting depth, less than 26.5mm below panel
- Terminal layout simplifies common wiring

Specifications:
- Degree of protection: IP65
- Termination: .110" Solder terminals
- Contact rating: 3A @ 30VDC/250VAC
- Min. applicable load: 1mA @ 5VDC



Each unit includes DPDT switch unit, case, and IP65 rated color cap. **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.	Omron Part No.	Fig.	Cap Color	Actuator Type	Switch Unit Provided	Price Each 1	10	25	50
653-A165-TBM-2	A165-TBM-2	A	Black	Round extended	DPDT Momentary	8.96	8.40	8.12	7.84
653-A165-TGM-2	A165-TGM-2	A	Green	Round extended	DPDT Momentary	8.96	8.40	8.12	7.84
653-A165-TRM-2	A165-TRM-2	A	Red	Round extended	DPDT Momentary	8.96	8.40	8.12	7.84
653-A165-TYM-2	A165-TYM-2	A	Yellow	Round extended	DPDT Momentary	8.96	8.40	8.12	7.84
653-A165-TWM-2	A165-TWM-2	A	White	Round extended	DPDT Momentary	8.96	8.40	8.12	7.84
653-A165-TAM-2	A165-TAM-2	A	Blue	Round extended	DPDT Momentary	8.96	8.40	8.12	7.84
653-A165-TBA-2	A165-TBA-2	A	Black	Round extended	DPDT Alternate	9.86	9.24	8.93	8.62
653-A165-TGA-2	A165-TGA-2	A	Green	Round extended	DPDT Alternate	9.86	9.24	8.93	8.62
653-A165-TRA-2	A165-TRA-2	A	Red	Round extended	DPDT Alternate	9.86	9.24	8.93	8.62
653-A165-TYA-2	A165-TYA-2	A	Yellow	Round extended	DPDT Alternate	9.86	9.24	8.93	8.62
653-A165-TWA-2	A165-TWA-2	A	White	Round extended	DPDT Alternate	9.86	9.24	8.93	8.62
653-A165-TAA-2	A165-TAA-2	A	Blue	Round extended	DPDT Alternate	9.86	9.24	8.93	8.62
653-A165-ABM-2	A165-ABM-2	B	Black	Square, guarded 2 sides	DPDT Momentary	9.41	8.82	8.53	8.23
653-A165-AGM-2	A165-AGM-2	B	Green	Square, guarded 2 sides	DPDT Momentary	9.41	8.82	8.53	8.23
653-A165-ARM-2	A165-ARM-2	B	Red	Square, guarded 2 sides	DPDT Momentary	9.41	8.82	8.53	8.23
653-A165-AYM-2	A165-AYM-2	B	Yellow	Square, guarded 2 sides	DPDT Momentary	9.41	8.82	8.53	8.23
653-A165-AWM-2	A165-AWM-2	B	White	Square, guarded 2 sides	DPDT Momentary	9.41	8.82	8.53	8.23
653-A165-AAM-2	A165-AAM-2	B	Blue	Square, guarded 2 sides	DPDT Momentary	9.41	8.82	8.53	8.23
653-A165-ABA-2	A165-ABA-2	B	Black	Square, guarded 2 sides	DPDT Alternate	10.30	9.66	9.34	9.02
653-A165-AGA-2	A165-AGA-2	B	Green	Square, guarded 2 sides	DPDT Alternate	10.30	9.66	9.34	9.02
653-A165-ARA-2	A165-ARA-2	B	Red	Square, guarded 2 sides	DPDT Alternate	10.30	9.66	9.34	9.02
653-A165-AYA-2	A165-AYA-2	B	Yellow	Square, guarded 2 sides	DPDT Alternate	10.30	9.66	9.34	9.02
653-A165-AWA-2	A165-AWA-2	B	White	Square, guarded 2 sides	DPDT Alternate	10.30	9.66	9.34	9.02
653-A165-AAA-2	A165-AAA-2	B	Blue	Square, guarded 2 sides	DPDT Alternate	10.30	9.66	9.34	9.02
653-A165-JBM-2	A165-JBM-2	C	Black	Rectangular, guarded 2 sides	DPDT Momentary	9.41	8.82	8.53	8.23
653-A165-JGM-2	A165-JGM-2	C	Green	Rectangular, guarded 2 sides	DPDT Momentary	9.41	8.82	8.53	8.23
653-A165-JRM-2	A165-JRM-2	C	Red	Rectangular, guarded 2 sides	DPDT Momentary	9.41	8.82	8.53	8.23
653-A165-JYM-2	A165-JYM-2	C	Yellow	Rectangular, guarded 2 sides	DPDT Momentary	9.41	8.82	8.53	8.23
653-A165-JWM-2	A165-JWM-2	C	White	Rectangular, guarded 2 sides	DPDT Momentary	9.41	8.82	8.53	8.23
653-A165-JAM-2	A165-JAM-2	C	Blue	Rectangular, guarded 2 sides	DPDT Momentary	9.41	8.82	8.53	8.23
653-A165-JBA-2	A165-JBA-2	C	Black	Rectangular, guarded 2 sides	DPDT Alternate	10.30	9.66	9.34	9.02
653-A165-JGA-2	A165-JGA-2	C	Green	Rectangular, guarded 2 sides	DPDT Alternate	10.30	9.66	9.34	9.02
653-A165-JRA-2	A165-JRA-2	C	Red	Rectangular, guarded 2 sides	DPDT Alternate	10.30	9.66	9.34	9.02
653-A165-JYA-2	A165-JYA-2	C	Yellow	Rectangular, guarded 2 sides	DPDT Alternate	10.30	9.66	9.34	9.02
653-A165-JWA-2	A165-JWA-2	C	White	Rectangular, guarded 2 sides	DPDT Alternate	10.30	9.66	9.34	9.02
653-A165-JAA-2	A165-JAA-2	C	Blue	Rectangular, guarded 2 sides	DPDT Alternate	10.30	9.66	9.34	9.02

The unique 2-piece snap-together design of Omron's A16 series allows users the flexibility of changing switch arrangement and illumination simply by replacing the switch block and lamp as needed.

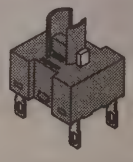
Note: Actual color of yellow pushbuttons more closely resembles amber than true yellow.

OMRON ACCESSORIES FOR 16MM SWITCHES

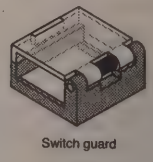
Replacement switch units, cases, and switch guards are for pushbutton switches.
Replacement caps, LEDs, incandescent lamps, and neon lamps are also available.
Contact Mouser for these items.

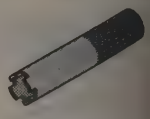
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each 1	10	25	50
653-A16-1	A16-1	Replacement switch unit, SPDT Solder terminals	5.28	4.95	4.79	4.62
653-A16-2	A16-2	Replacement switch unit, DPDT Solder terminals	6.45	6.05	5.85	5.64
653-A16-1P	A16-1P	Replacement switch unit, SPDT PCB terminals	7.17	6.72	6.50	6.27
653-A16-2P	A16-2P	Replacement switch unit, DPDT PCB terminals	8.51	7.98	7.71	7.45
653-A165-CTM	A165-CTM	Replacement case, round, momentary action	4.03	3.78	3.65	3.53
653-A165-CAM	A165-CAM	Replacement case, square, momentary action	5.38	5.04	4.87	4.70
653-A165-CJM	A165-CJM	Replacement case, rectangular, momentary action	3.23	3.02	2.92	2.82
653-A165-CTA	A165-CTA	Replacement case, round, alternate action	3.85	3.61	3.49	3.37
653-A165-CAA	A165-CAA	Replacement case, square, alternate action	3.14	2.94	2.84	2.75
653-A165-CJA	A165-CJA	Replacement case, rectangular, alternate action	3.67	3.44	3.33	3.21
653-A16ZA-5050	A16ZA-5050	Switch guard for round and square pushbutton switches	4.03	3.78	3.65	3.53
653-A16ZJ-5050	A16ZJ-5050	Switch guard for rectangular pushbutton switches	4.03	3.78	3.65	3.53
653-A16Z-3004	A16Z-3004	Screw fitting tool	5.38	5.04	4.87	4.70
653-A3PJ-5080	A3PJ-5080	Pushbutton switch cap extractor tool	1.79	1.68	1.62	1.57
653-A16Z-5080	A16Z-5080	Lamp extractor tool	3.40	3.19	3.09	2.98
653-A16ZT-3003	A16ZT-3003	Panel plug for round hole	2.24	2.10	2.03	1.96
653-A16ZA-3003	A16ZA-3003	Panel plug for square hole	1.79	1.68	1.62	1.57
653-A16ZJ-3003	A16ZJ-3003	Panel plug for rectangular hole	1.79	1.68	1.62	1.57


Switch unit

Case


Switch guard


Screw fitting tool

Cap extractor tool

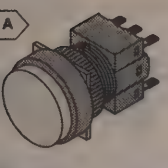
Lamp extractor tool

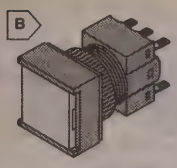
MOUSER ELECTRONICS a tti company

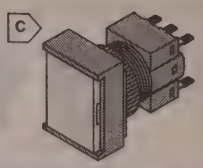
(800) 346-6873

OMRON 16mm Pushbutton & Emergency Stop Switches

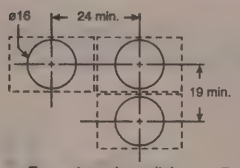
OMRON INDUSTRIAL AUTOMATION





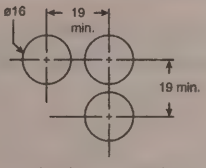


Panel Cutouts

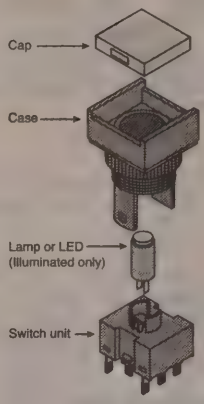


For rectangular switches

DIMENSIONS (mm)



For round and square switches



A16 SERIES: 16MM ILLUMINATED PUSHBUTTON SWITCHES

Features:
- 2-Piece snap-together construction
- Short mounting depth, less than 26.5mm below panel
- Terminal layout simplifies common wiring

Specifications:
- Oil-resistant IP65 Degree of protection
- Termination: .110" Solder terminals
- Contact rating: 3A @ 30VDC/250VAC
- Min. applicable load: 1mA @ 5VDC

LED Specifications:
- Rated current: 10mA
- Operating voltage: 24VDC
- Internal limiting resistor: 1600 Ohms

Each unit includes DPDT switch unit, case, 24VDC LED, and IP65 color cap

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Cap Color	Actuator Type	Switch Unit Provided	Price Each 1	10	25	50
653-A165L-TRM-24D-2	A165L-TRM-24D-2	A	Red	Round extended	DPDT Momentary	12.54	11.76	11.37	10.98
653-A165L-TYM-24D-2	A165L-TYM-24D-2	A	Yellow	Round extended	DPDT Momentary	12.54	11.76	11.37	10.98
653-A165L-TGM-24D-2	A165L-TGM-24D-2	A	Green	Round extended	DPDT Momentary	12.54	11.76	11.37	10.98
653-A165L-TWM-24D-2	A165L-TWM-24D-2	A	White	Round extended	DPDT Momentary	12.54	11.76	11.37	10.98
653-A165L-TRA-24D-2	A165L-TRA-24D-2	A	Red	Round extended	DPDT Alternate	13.44	12.60	12.18	11.76
653-A165L-TYA-24D-2	A165L-TYA-24D-2	A	Yellow	Round extended	DPDT Alternate	13.44	12.60	12.18	11.76
653-A165L-TGA-24D-2	A165L-TGA-24D-2	A	Green	Round extended	DPDT Alternate	13.44	12.60	12.18	11.76
653-A165L-TWA-24D-2	A165L-TWA-24D-2	A	White	Round extended	DPDT Alternate	13.44	12.60	12.18	11.76
653-A165L-ARM-24D-2	A165L-ARM-24D-2	B	Red	Square, guarded 2 sides	DPDT Momentary	12.54	11.76	11.37	10.98
653-A165L-AYM-24D-2	A165L-AYM-24D-2	B	Yellow	Square, guarded 2 sides	DPDT Momentary	12.54	11.76	11.37	10.98
653-A165L-AGM-24D-2	A165L-AGM-24D-2	B	Green	Square, guarded 2 sides	DPDT Momentary	12.54	11.76	11.37	10.98
653-A165L-AWM-24D-2	A165L-AWM-24D-2	B	White	Square, guarded 2 sides	DPDT Momentary	12.54	11.76	11.37	10.98
653-A165L-ARA-24D-2	A165L-ARA-24D-2	B	Red	Square, guarded 2 sides	DPDT Alternate	13.44	12.60	12.18	11.76
653-A165L-AYA-24D-2	A165L-AYA-24D-2	B	Yellow	Square, guarded 2 sides	DPDT Alternate	13.44	12.60	12.18	11.76
653-A165L-AGA-24D-2	A165L-AGA-24D-2	B	Green	Square, guarded 2 sides	DPDT Alternate	13.44	12.60	12.18	11.76
653-A165L-AWA-24D-2	A165L-AWA-24D-2	B	White	Square, guarded 2 sides	DPDT Alternate	13.44	12.60	12.18	11.76
653-A165L-JRM-24D-2	A165L-JRM-24D-2	C	Red	Rectangular, guarded 2 sides	DPDT Momentary	13.44	12.60	12.18	11.76
653-A165L-JYM-24D-2	A165L-JYM-24D-2	C	Yellow	Rectangular, guarded 2 sides	DPDT Momentary	13.44	12.60	12.18	11.76
653-A165L-JGM-24D-2	A165L-JGM-24D-2	C	Green	Rectangular, guarded 2 sides	DPDT Momentary	13.44	12.60	12.18	11.76
653-A165L-JWM-24D-2	A165L-JWM-24D-2	C	White	Rectangular, guarded 2 sides	DPDT Momentary	13.44	12.60	12.18	11.76
653-A165L-JRA-24D-2	A165L-JRA-24D-2	C	Red	Rectangular, guarded 2 sides	DPDT Alternate	14.34	13.44	12.99	12.54
653-A165L-JYA-24D-2	A165L-JYA-24D-2	C	Yellow	Rectangular, guarded 2 sides	DPDT Alternate	14.34	13.44	12.99	12.54
653-A165L-JGA-24D-2	A165L-JGA-24D-2	C	Green	Rectangular, guarded 2 sides	DPDT Alternate	14.34	13.44	12.99	12.54
653-A165L-JWA-24D-2	A165L-JWA-24D-2	C	White	Rectangular, guarded 2 sides	DPDT Alternate	14.34	13.44	12.99	12.54

The unique 2-piece snap-together design of Omron's A16 series allows users the flexibility of changing switch arrangement and illumination simply by replacing the switch block and lamp as needed.

Note: Actual color of yellow pushbuttons more closely resembles amber than true yellow.

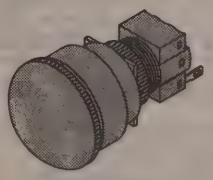
A16 SERIES: 16MM EMERGENCY STOP SWITCHES

Specifications:
- Degree of protection: IP65
- Termination: .110" Solder terminals
- Contact rating: 3A @ 30VDC/250VAC; 5A@ 125VAC

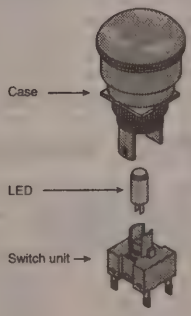
LED Specifications for Illuminated Switches:
- Rated current: 10mA
- Operating voltage: 24VDC
- Internal limiting resistor: 1600 Ohms

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Contact Form	Description	Price Each 1	10	25	50
Non-illuminated							
653-A165E-S-01	A165E-S-01	SPST-NC	30-mm Push-lock, Turn-reset	28.67	26.88	25.98	25.09
653-A165E-S-02	A165E-S-02	DPST-NC	30-mm Push-lock, Turn-reset	34.94	32.76	31.67	30.58
Illuminated, 24VAC/DC LED							
653-A165E-LS-24D-01	A165E-LS-24D-01	SPST-NC	30-mm Push-lock, Turn-reset	38.98	36.54	35.32	34.10
653-A165E-LS-24D-02	A165E-LS-24D-02	DPST-NC	30-mm Push-lock, Turn-reset	45.25	42.42	41.01	39.59



SPST-NC shown

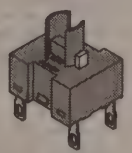


ACCESSORIES FOR 16MM SWITCHES

Replacement switch units, cases, and switch guards are for pushbutton switches.
Replacement caps, LEDs, incandescent lamps, and neon lamps are also available.
Contact Mouser for these items.

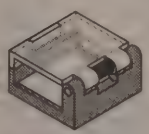
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each 1	10	25	50
653-A16-1	A16-1	Replacement switch unit, SPDT Solder terminals	5.28	4.95	4.79	4.62
653-A16-2	A16-2	Replacement switch unit, DPDT Solder terminals	6.45	6.05	5.85	5.64
653-A16-1P	A16-1P	Replacement switch unit, SPDT PCB terminals	7.17	6.72	6.50	6.27
653-A16-2P	A16-2P	Replacement switch unit, DPDT PCB terminals	8.51	7.98	7.71	7.45
653-A165-CTM	A165-CTM	Replacement case, round, momentary action	4.03	3.78	3.65	3.53
653-A165-CAM	A165-CAM	Replacement case, square, momentary action	5.38	5.04	4.87	4.70
653-A165-CJM	A165-CJM	Replacement case, rectangular, momentary action	3.23	3.02	2.92	2.82
653-A165-CTA	A165-CTA	Replacement case, round, alternate action	3.85	3.61	3.49	3.37
653-A165-CAA	A165-CAA	Replacement case, square, alternate action	3.14	2.94	2.84	2.75
653-A165-CJA	A165-CJA	Replacement case, rectangular, alternate action	3.67	3.44	3.33	3.21
653-A16ZA-5050	A16ZA-5050	Switch guard for round and square pushbutton switches	4.03	3.78	3.65	3.53
653-A16ZJ-5050	A16ZJ-5050	Switch guard for rectangular pushbutton switches	4.03	3.78	3.65	3.53
653-A16Z-3004	A16Z-3004	Screw fitting tool	5.38	5.04	4.87	4.70
653-A3PJ-5080	A3PJ-5080	Pushbutton switch cap extractor tool	1.79	1.68	1.62	1.57
653-A16Z-5080	A16Z-5080	Lamp extractor tool	3.40	3.19	3.09	2.98
653-A16ZT-3003	A16ZT-3003	Panel plug for round hole	2.24	2.10	2.03	1.96
653-A16ZA-3003	A16ZA-3003	Panel plug for square hole	1.79	1.68	1.62	1.57
653-A16ZJ-3003	A16ZJ-3003	Panel plug for rectangular hole	1.79	1.68	1.62	1.57

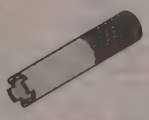


Switch unit

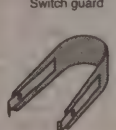
Case



Switch guard



Screw fitting tool



Cap extractor tool

Lamp extractor tool

OMRON INDUSTRIAL AUTOMA

OMRON A22 SERIES: 22MM NON-ILLUMINATED PUSHBUTTON SWITCHES

Omron's A22 series of pushbuttons offer unique features for maximum flexibility. Switch blocks are easily added or taken off to complete the contact configuration needed. The locking lever ensures easy mounting and removal of switch unit. These switch blocks have finger safe terminals to meet safety standards. Switches offer IP65 degree of protection (water, dust, and oil resistant).

Specifications:
- Contact ratings: 10A @ 24/110VAC
- Install using either round, forked crimp terminals or ferrules

Note: Actual color of yellow pushbuttons more closely resembles amber than true yellow.

Each unit includes switch unit, contact block, and IP65 rated color cap. **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Switch Block Provided	Cap Color	Price Each 1	10	25	50
653-A22-SB-10M	A22-SB-10M	A	30mm dia. mushroom	SPST-NO Mom.	Black	11.65	10.92	10.56	10.19
653-A22-SG-10M	A22-SG-10M	A	30mm dia. mushroom	SPST-NO Mom.	Green	11.65	10.92	10.56	10.19
653-A22-SR-10M	A22-SR-10M	A	30mm dia. mushroom	SPST-NO Mom.	Red	11.65	10.92	10.56	10.19
653-A22-SY-10M	A22-SY-10M	A	30mm dia. mushroom	SPST-NO Mom.	Yellow	11.65	10.92	10.56	10.19
653-A22-SW-10M	A22-SW-10M	A	30mm dia. mushroom	SPST-NO Mom.	White	11.65	10.92	10.56	10.19
653-A22-SA-10M	A22-SA-10M	A	30mm dia. mushroom	SPST-NO Mom.	Blue	11.65	10.92	10.56	10.19
653-A22-SB-11M	A22-SB-11M	A	30mm dia. mushroom	SPST-NO+SPST-NC Mom.	Black	15.23	14.28	13.80	13.33
653-A22-SG-11M	A22-SG-11M	A	30mm dia. mushroom	SPST-NO+SPST-NC Mom.	Green	15.23	14.28	13.80	13.33
653-A22-SR-11M	A22-SR-11M	A	30mm dia. mushroom	SPST-NO+SPST-NC Mom.	Red	15.23	14.28	13.80	13.33
653-A22-SY-11M	A22-SY-11M	A	30mm dia. mushroom	SPST-NO+SPST-NC Mom.	Yellow	15.23	14.28	13.80	13.33
653-A22-SW-11M	A22-SW-11M	A	30mm dia. mushroom	SPST-NO+SPST-NC Mom.	White	15.23	14.28	13.80	13.33
653-A22-SA-11M	A22-SA-11M	A	30mm dia. mushroom	SPST-NO+SPST-NC Mom.	Blue	15.23	14.28	13.80	13.33
653-A22-MB-10M	A22-MB-10M	B	40mm dia. mushroom	SPST-NO Mom.	Black	12.54	11.76	11.37	10.98
653-A22-MG-10M	A22-MG-10M	B	40mm dia. mushroom	SPST-NO Mom.	Green	12.54	11.76	11.37	10.98
653-A22-MR-10M	A22-MR-10M	B	40mm dia. mushroom	SPST-NO Mom.	Red	12.54	11.76	11.37	10.98
653-A22-MY-10M	A22-MY-10M	B	40mm dia. mushroom	SPST-NO Mom.	Yellow	12.54	11.76	11.37	10.98
653-A22-MW-10M	A22-MW-10M	B	40mm dia. mushroom	SPST-NO Mom.	White	12.54	11.76	11.37	10.98
653-A22-MA-10M	A22-MA-10M	B	40mm dia. mushroom	SPST-NO Mom.	Blue	12.54	11.76	11.37	10.98
653-A22-MB-11M	A22-MB-11M	B	40mm dia. mushroom	SPST-NO+SPST-NC Mom.	Black	16.13	15.12	14.62	14.11
653-A22-MG-11M	A22-MG-11M	B	40mm dia. mushroom	SPST-NO+SPST-NC Mom.	Green	16.13	15.12	14.62	14.11
653-A22-MR-11M	A22-MR-11M	B	40mm dia. mushroom	SPST-NO+SPST-NC Mom.	Red	16.13	15.12	14.62	14.11
653-A22-MY-11M	A22-MY-11M	B	40mm dia. mushroom	SPST-NO+SPST-NC Mom.	Yellow	16.13	15.12	14.62	14.11
653-A22-MW-11M	A22-MW-11M	B	40mm dia. mushroom	SPST-NO+SPST-NC Mom.	White	16.13	15.12	14.62	14.11
653-A22-MA-11M	A22-MA-11M	B	40mm dia. mushroom	SPST-NO+SPST-NC Mom.	Blue	16.13	15.12	14.62	14.11
653-A22-DB-11M	A22-DB-11M	C	Square full guard	SPST-NO+SPST-NC Mom.	Black	19.71	18.48	17.86	17.25
653-A22-DG-11M	A22-DG-11M	C	Square full guard	SPST-NO+SPST-NC Mom.	Green	19.71	18.48	17.86	17.25
653-A22-DR-11M	A22-DR-11M	C	Square full guard	SPST-NO+SPST-NC Mom.	Red	19.71	18.48	17.86	17.25
653-A22-DY-11M	A22-DY-11M	C	Square full guard	SPST-NO+SPST-NC Mom.	Yellow	19.71	18.48	17.86	17.25
653-A22-DW-11M	A22-DW-11M	C	Square full guard	SPST-NO+SPST-NC Mom.	White	19.71	18.48	17.86	17.25
653-A22-DA-11M	A22-DA-11M	C	Square full guard	SPST-NO+SPST-NC Mom.	Blue	19.71	18.48	17.86	17.25
653-A22-CB-11M	A22-CB-11M	D	Square extended	SPST-NO+SPST-NC Mom.	Black	19.71	18.48	17.86	17.25
653-A22-CG-11M	A22-CG-11M	D	Square extended	SPST-NO+SPST-NC Mom.	Green	19.71	18.48	17.86	17.25
653-A22-CR-11M	A22-CR-11M	D	Square extended	SPST-NO+SPST-NC Mom.	Red	19.71	18.48	17.86	17.25
653-A22-CY-11M	A22-CY-11M	D	Square extended	SPST-NO+SPST-NC Mom.	Yellow	19.71	18.48	17.86	17.25
653-A22-CW-11M	A22-CW-11M	D	Square extended	SPST-NO+SPST-NC Mom.	White	19.71	18.48	17.86	17.25
653-A22-CA-11M	A22-CA-11M	D	Square extended	SPST-NO+SPST-NC Mom.	Blue	19.71	18.48	17.86	17.25

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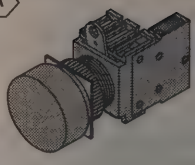

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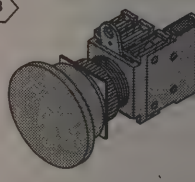

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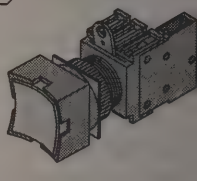

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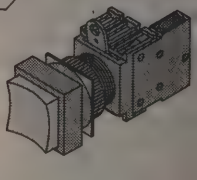
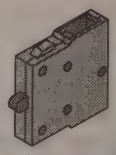


OMRON ACCESSORIES FOR OMRON 22MM SWITCHES

Replacement caps, LEDs, and various other tools are also available. Contact Mouser for these items.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each 1	10	25	50
653-A22-10	A22-10	Replacement switch block, SPST-NO, General Purp.	5.20	4.87	4.71	4.55
653-A22-10S	A22-10S	Replacement switch block, SPST-NO, Microload	12.54	11.76	11.37	10.98
653-A22-01	A22-01	Replacement switch block, SPST-NC, General Purp.	5.20	4.87	4.71	4.55
653-A22-01S	A22-01S	Replacement switch block, SPST-NC, Microload	12.54	11.76	11.37	10.98
653-A22-20	A22-20	Replacement switch block, DPST-NO, General Purp.	13.44	12.60	12.18	11.76
653-A22-20S	A22-20S	Replacement switch block, DPST-NO, Microload	18.82	17.64	17.05	16.46
653-A22-02	A22-02	Replacement switch block, DPST-NC, General Purp.	20.16	18.90	18.27	17.64
653-A22-02S	A22-02S	Replacement switch block, DPST-NC, Microload	18.82	17.64	17.05	16.46
653-A22Z-3905	A22Z-3905	Tightening Wrench for Lock Nuts	12.36	11.59	11.21	10.82
653-A22Z-3901	A22Z-3901	Lamp Extractor	3.76	3.53	3.41	3.29
653-A3PJ-5080	A3PJ-5080	Lens Remover	1.79	1.68	1.62	1.57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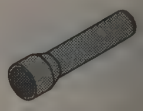
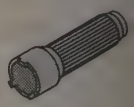

Lamp Extractor

Lens Remover


Tightening Wrench

NEMA ENCLOSURES FOR 22MM SWITCHES

MOUSER STOCK NO.	Hammond Part No.	Fig.	Type of Enclosure	Overall Dimensions	No. of Holes	Price Each 1	2	5	10
546-PJ744P221	PJ744P221	A	Polyester	6.74x3.93x3.88	1	27.89	26.49	25.17	23.91
546-PJ744P222	PJ744P222	A	Polyester	6.74x3.93x3.88	2	29.66	28.18	26.77	25.43
546-PJ944P223	PJ944P223	A	Polyester	8.99x3.93x3.88	3	31.46	29.89	28.39	26.97
546-MPB1	MPB1	B	Metallic	4.25x3.06x3.5	1	39.93	34.34	32.71	31.15
546-MPB2	MPB2	B	Metallic	6.13x3.06x3.5	2	44.80	38.53	36.69	34.94
546-MPB3	MPB3	B	Metallic	8.0x3.06x3.5	3	49.75	42.78	40.74	38.80
546-MPB4	MPB4	B	Metallic	9.88x3.06x3.05	4	54.68	47.02	44.78	42.65
546-MPB6	MPB6	B	Metallic, hinged	9.5x5.31x4.25	6	69.34	59.63	56.79	54.08
546-MPB9	MPB9	B	Metallic, hinged	9.5x6.81x4.25	9	77.49	66.64	63.46	60.44
546-MPB12	MPB12	B	Metallic, hinged	11.38x6.81x4.25	12	86.01	73.97	70.44	67.09
546-MPB16	MPB16	B	Metallic, hinged	11.38x8.31x4.25	16	107.17	92.16	87.78	83.60
546-MPB20	MPB20	B	Metallic, hinged	13.25x8.31x4.25	20	120.56	103.68	98.74	94.04
546-MPB25	MPB25	B	Metallic, hinged	13.25x9.81x4.25	25	136.39	117.29	111.71	106.39
546-MPB30	MPB30	B	Metallic, hinged	15.13x9.81x4.25	30	182.83	157.22	149.73	142.60

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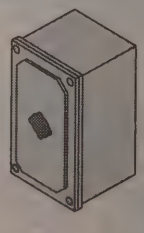

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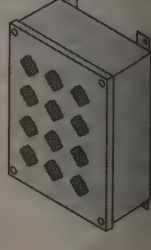


OMRON 22mm Pushbutton Switches

OMRON INDUSTRIAL AUTOMATION

A22 SERIES: 22MM NON-ILLUMINATED PUSHBUTTON SWITCHES

...ron's A22 series of pushbuttons offer unique features for maximum flexibility. Switch blocks are easily added or taken off to complete ...contact configuration needed. The locking lever ensures easy mounting and removal of switch unit. These switch blocks have finger ... terminals to meet safety standards. Switches offer IP65 degree of protection (water, dust, and oil resistant).

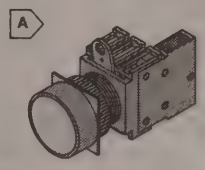
...ecifications:
...ontact ratings: 10A @ 24/110VAC
...stall using either round, forked crimp terminals or ferrules

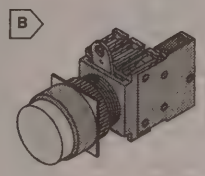
Note: Actual color of yellow pushbuttons more closely resembles amber than true yellow.

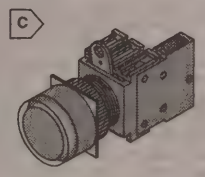
...h unit includes switch unit, contact block, and IP65 rated color cap.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Switch Block Provided	Cap Color	Price Each			
						1	10	25	50
...3-A22-FB-10M	A22-FB-10M	A	Round flush	SPST-NO Mom.	Black	10.75	10.08	9.74	9.41
...3-A22-FG-10M	A22-FG-10M	A	Round flush	SPST-NO Mom.	Green	10.75	10.08	9.74	9.41
...3-A22-FR-10M	A22-FR-10M	A	Round flush	SPST-NO Mom.	Red	10.75	10.08	9.74	9.41
...3-A22-FY-10M	A22-FY-10M	A	Round flush	SPST-NO Mom.	Yellow	10.75	10.08	9.74	9.41
...3-A22-FW-10M	A22-FW-10M	A	Round flush	SPST-NO Mom.	White	10.75	10.08	9.74	9.41
...3-A22-FA-10M	A22-FA-10M	A	Round flush	SPST-NO Mom.	Blue	10.75	10.08	9.74	9.41
...3-A22-FB-11M	A22-FB-11M	A	Round flush	SPST-NO+SPST-NC Mom.	Black	14.34	13.44	12.99	12.54
...3-A22-FG-11M	A22-FG-11M	A	Round flush	SPST-NO+SPST-NC Mom.	Green	14.34	13.44	12.99	12.54
...3-A22-FR-11M	A22-FR-11M	A	Round flush	SPST-NO+SPST-NC Mom.	Red	14.34	13.44	12.99	12.54
...3-A22-FY-11M	A22-FY-11M	A	Round flush	SPST-NO+SPST-NC Mom.	Yellow	14.34	13.44	12.99	12.54
...3-A22-FW-11M	A22-FW-11M	A	Round flush	SPST-NO+SPST-NC Mom.	White	14.34	13.44	12.99	12.54
...3-A22-FA-11M	A22-FA-11M	A	Round flush	SPST-NO+SPST-NC Mom.	Blue	14.34	13.44	12.99	12.54
...3-A22-TB-10M	A22-TB-10M	B	Round extended	SPST-NO Mom.	Black	9.86	9.24	8.93	8.62
...3-A22-TG-10M	A22-TG-10M	B	Round extended	SPST-NO Mom.	Green	9.86	9.24	8.93	8.62
...3-A22-TR-10M	A22-TR-10M	B	Round extended	SPST-NO Mom.	Red	9.86	9.24	8.93	8.62
...3-A22-TY-10M	A22-TY-10M	B	Round extended	SPST-NO Mom.	Yellow	9.86	9.24	8.93	8.62
...3-A22-TW-10M	A22-TW-10M	B	Round extended	SPST-NO Mom.	White	9.86	9.24	8.93	8.62
...3-A22-TA-10M	A22-TA-10M	B	Round extended	SPST-NO Mom.	Blue	9.86	9.24	8.93	8.62
...3-A22-TB-11M	A22-TB-11M	B	Round extended	SPST-NO+SPST-NC Mom.	Black	14.34	13.44	12.99	12.54
...3-A22-TG-11M	A22-TG-11M	B	Round extended	SPST-NO+SPST-NC Mom.	Green	14.34	13.44	12.99	12.54
...3-A22-TR-11M	A22-TR-11M	B	Round extended	SPST-NO+SPST-NC Mom.	Red	14.34	13.44	12.99	12.54
...3-A22-TY-11M	A22-TY-11M	B	Round extended	SPST-NO+SPST-NC Mom.	Yellow	14.34	13.44	12.99	12.54
...3-A22-TW-11M	A22-TW-11M	B	Round extended	SPST-NO+SPST-NC Mom.	White	14.34	13.44	12.99	12.54
...3-A22-TA-11M	A22-TA-11M	B	Round extended	SPST-NO+SPST-NC Mom.	Blue	14.34	13.44	12.99	12.54
...3-A22-GB-10M	A22-GB-10M	C	Round full guard	SPST-NO Mom.	Black	10.75	10.08	9.74	9.41
...3-A22-GG-10M	A22-GG-10M	C	Round full guard	SPST-NO Mom.	Green	10.75	10.08	9.74	9.41
...3-A22-GR-10M	A22-GR-10M	C	Round full guard	SPST-NO Mom.	Red	10.75	10.08	9.74	9.41
...3-A22-GY-10M	A22-GY-10M	C	Round full guard	SPST-NO Mom.	Yellow	10.75	10.08	9.74	9.41
...3-A22-GW-10M	A22-GW-10M	C	Round full guard	SPST-NO Mom.	White	10.75	10.08	9.74	9.41
...3-A22-GA-10M	A22-GA-10M	C	Round full guard	SPST-NO Mom.	Blue	10.75	10.08	9.74	9.41
...3-A22-GB-11M	A22-GB-11M	C	Round full guard	SPST-NO+SPST-NC Mom.	Black	14.34	13.44	12.99	12.54
...3-A22-GG-11M	A22-GG-11M	C	Round full guard	SPST-NO+SPST-NC Mom.	Green	14.34	13.44	12.99	12.54
...3-A22-GR-11M	A22-GR-11M	C	Round full guard	SPST-NO+SPST-NC Mom.	Red	14.34	13.44	12.99	12.54
...3-A22-GY-11M	A22-GY-11M	C	Round full guard	SPST-NO+SPST-NC Mom.	Yellow	14.34	13.44	12.99	12.54
...3-A22-GW-11M	A22-GW-11M	C	Round full guard	SPST-NO+SPST-NC Mom.	White	14.34	13.44	12.99	12.54
...3-A22-GA-11M	A22-GA-11M	C	Round full guard	SPST-NO+SPST-NC Mom.	Blue	14.34	13.44	12.99	12.54



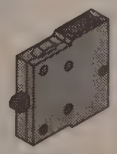


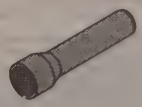


...ACCESSORIES FOR OMRON 22MM SWITCHES

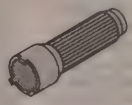
...lacement caps, LEDs, and various other tools are also available. Contact Mouser for these items.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	10	25	50
...3-A22-10	A22-10	Replacement switch block, SPST-NO, General Purp.	5.20	4.87	4.71	4.55
...3-A22-10S	A22-10S	Replacement switch block, SPST-NO, Microload	12.54	11.76	11.37	10.98
...3-A22-01	A22-01	Replacement switch block, SPST-NC, General Purp.	5.20	4.87	4.71	4.55
...3-A22-01S	A22-01S	Replacement switch block, SPST-NC, Microload	12.54	11.76	11.37	10.98
...3-A22-20	A22-20	Replacement switch block, DPST-NO, General Purp.	13.44	12.60	12.18	11.76
...3-A22-20S	A22-20S	Replacement switch block, DPST-NO, Microload	18.82	17.64	17.05	16.46
...3-A22-02	A22-02	Replacement switch block, DPST-NC, General Purp.	20.16	18.90	18.27	17.64
...3-A22-02S	A22-02S	Replacement switch block, DPST-NC, Microload	18.82	17.64	17.05	16.46
...3-A22Z-3905	A22Z-3905	Tightening Wrench for Lock Nuts	12.36	11.59	11.21	10.82
...3-A22Z-3901	A22Z-3901	Lamp Extractor	3.76	3.53	3.41	3.29
...3-A3PJ-5080	A3PJ-5080	Lens Remover	1.79	1.68	1.62	1.57


Switch Block

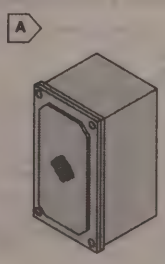

Lamp Extractor

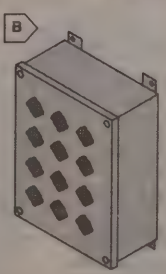
Lens Remover


Tightening Wrench

...NCLOSURES FOR 22MM SWITCHES

MOUSER STOCK NO.	Hammond Part No.	Fig.	Type of Enclosure	Overall Dimensions	No. of Holes	Price Each			
						1	2	5	10
...6-PJ744P221	PJ744P221	A	Polyester	6.74x3.93x3.88	1	27.89	26.49	25.17	23.91
...6-PJ744P222	PJ744P222	A	Polyester	6.74x3.93x3.88	2	29.66	28.18	26.77	25.43
...6-PJ944P223	PJ944P223	A	Polyester	8.99x3.93x3.88	3	31.46	29.89	28.39	26.97
...6-MPB1	MPB1	B	Metallic	4.25x3.06x3.5	1	39.93	34.34	32.71	31.15
...6-MPB2	MPB2	B	Metallic	6.13x3.06x3.5	2	44.80	38.53	36.69	34.94
...6-MPB3	MPB3	B	Metallic	8.0x3.06x3.5	3	49.75	42.78	40.74	38.80
...6-MPB4	MPB4	B	Metallic	9.88x3.06x3.05	4	54.68	47.02	44.78	42.65
...6-MPB6	MPB6	B	Metallic, hinged	9.5x5.31x4.25	6	69.34	59.63	56.79	54.08
...6-MPB9	MPB9	B	Metallic, hinged	9.5x6.81x4.25	9	77.49	66.64	63.46	60.44
...6-MPB12	MPB12	B	Metallic, hinged	11.38x6.81x4.25	12	86.01	73.97	70.44	67.09
...6-MPB16	MPB16	B	Metallic, hinged	11.38x8.31x4.25	16	107.17	92.16	87.78	83.60
...6-MPB20	MPB20	B	Metallic, hinged	13.25x8.31x4.25	20	120.56	103.68	98.74	94.04
...6-MPB25	MPB25	B	Metallic, hinged	13.25x9.81x4.25	25	136.39	117.29	111.71	106.39
...6-MPB30	MPB30	B	Metallic, hinged	15.13x9.81x4.25	30	182.83	157.22	149.73	142.60





A22 SERIES: 22MM ILLUMINATED PUSHBUTTON SWITCHES

Specifications :
- Contact ratings: 10A @ 24/110VAC
- SPST-NO+SPST-NC Momentary switch block provided
- Install using either round, forked crimp terminals or ferrules

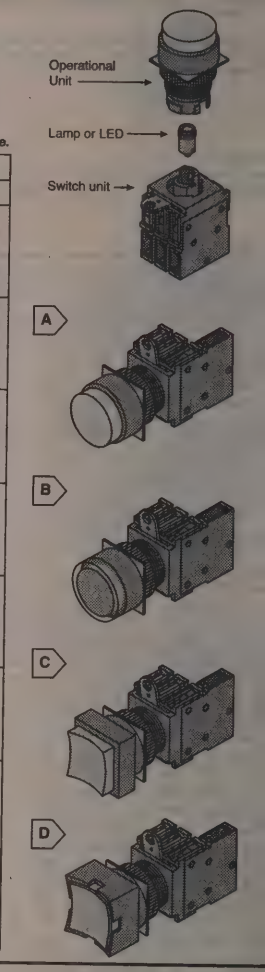
LED Specifications:
- Rated current: 10mA
- Operating voltage: 24VAC/DC
- Internal limiting resistor: 1600 Ohms

Types with transformer light source may be lit by directly applying 110VAC/DC to the lamp terminal.

Each unit includes operational unit, LED, switch unit w/ SPST-NO+SPST-NC contact block, and IP65 rated color cap.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Cap Color	Actuator Type	Illumination Method	Price Each 1	10	25	50
653-A22L-TR-24A-11M	A22L-TR-24A-11M	A	Red	Round Extended	24VAC/DC LED	18.82	17.64	17.05	16.46
653-A22L-TY-24A-11M	A22L-TY-24A-11M	A	Yellow	Round Extended	24VAC/DC LED	18.82	17.64	17.05	16.46
653-A22L-TG-24A-11M	A22L-TG-24A-11M	A	Green	Round Extended	24VAC/DC LED	18.82	17.64	17.05	16.46
653-A22L-TW-24A-11M	A22L-TW-24A-11M	A	White	Round Extended	24VAC/DC LED	35.39	33.18	32.07	30.97
653-A22L-TA-24A-11M	A22L-TA-24A-11M	A	Blue	Round Extended	24VAC/DC LED	35.39	33.18	32.07	30.97
653-A22L-TR-T1-11M	A22L-TR-T1-11M	A	Red	Round Extended	24VAC/DC LED w/ transformer	23.30	21.84	21.11	20.38
653-A22L-TY-T1-11M	A22L-TY-T1-11M	A	Yellow	Round Extended	24VAC/DC LED w/ transformer	23.30	21.84	21.11	20.38
653-A22L-TG-T1-11M	A22L-TG-T1-11M	A	Green	Round Extended	24VAC/DC LED w/ transformer	23.30	21.84	21.11	20.38
653-A22L-TW-T1-11M	A22L-TW-T1-11M	A	White	Round Extended	24VAC/DC LED w/ transformer	23.30	21.84	21.11	20.38
653-A22L-TA-T1-11M	A22L-TA-T1-11M	A	Blue	Round Extended	24VAC/DC LED w/ transformer	39.42	36.96	35.73	34.50
653-A22L-GR-24A-11M	A22L-GR-24A-11M	B	Red	Round full guard	24VAC/DC LED	22.40	21.00	20.30	19.60
653-A22L-GY-24A-11M	A22L-GY-24A-11M	B	Yellow	Round full guard	24VAC/DC LED	22.40	21.00	20.30	19.60
653-A22L-GG-24A-11M	A22L-GG-24A-11M	B	Green	Round full guard	24VAC/DC LED	22.40	21.00	20.30	19.60
653-A22L-GW-24A-11M	A22L-GW-24A-11M	B	White	Round full guard	24VAC/DC LED	22.40	21.00	20.30	19.60
653-A22L-GA-24A-11M	A22L-GA-24A-11M	B	Blue	Round full guard	24VAC/DC LED	38.53	36.12	34.92	33.71
653-A22L-GR-T1-11M	A22L-GR-T1-11M	B	Red	Round full guard	24VAC/DC LED w/ transformer	26.88	25.20	24.36	23.52
653-A22L-GY-T1-11M	A22L-GY-T1-11M	B	Yellow	Round full guard	24VAC/DC LED w/ transformer	26.88	25.20	24.36	23.52
653-A22L-GG-T1-11M	A22L-GG-T1-11M	B	Green	Round full guard	24VAC/DC LED w/ transformer	26.88	25.20	24.36	23.52
653-A22L-GW-T1-11M	A22L-GW-T1-11M	B	White	Round full guard	24VAC/DC LED w/ transformer	26.88	25.20	24.36	23.52
653-A22L-GA-T1-11M	A22L-GA-T1-11M	B	Blue	Round full guard	24VAC/DC LED w/ transformer	42.11	39.48	38.16	36.85
653-A22L-CR-24A-11M	A22L-CR-24A-11M	C	Red	Square extended	24VAC/DC LED	28.67	26.88	25.98	25.09
653-A22L-CY-24A-11M	A22L-CY-24A-11M	C	Yellow	Square extended	24VAC/DC LED	28.67	26.88	25.98	25.09
653-A22L-CG-24A-11M	A22L-CG-24A-11M	C	Green	Square extended	24VAC/DC LED	28.67	26.88	25.98	25.09
653-A22L-CW-24A-11M	A22L-CW-24A-11M	C	White	Square extended	24VAC/DC LED	28.67	26.88	25.98	25.09
653-A22L-CA-24A-11M	A22L-CA-24A-11M	C	Blue	Square extended	24VAC/DC LED	43.90	41.16	39.79	38.42
653-A22L-CR-T1-11M	A22L-CR-T1-11M	C	Red	Square extended	24VAC/DC LED w/ transformer	33.15	31.08	30.04	29.01
653-A22L-CY-T1-11M	A22L-CY-T1-11M	C	Yellow	Square extended	24VAC/DC LED w/ transformer	33.15	31.08	30.04	29.01
653-A22L-CG-T1-11M	A22L-CG-T1-11M	C	Green	Square extended	24VAC/DC LED w/ transformer	33.15	31.08	30.04	29.01
653-A22L-CW-T1-11M	A22L-CW-T1-11M	C	White	Square extended	24VAC/DC LED w/ transformer	33.15	31.08	30.04	29.01
653-A22L-CA-T1-11M	A22L-CA-T1-11M	C	Blue	Square extended	24VAC/DC LED w/ transformer	48.38	45.36	43.85	42.34
653-A22L-DR-24A-11M	A22L-DR-24A-11M	D	Red	Square full guard	24VAC/DC LED	28.67	26.88	25.98	25.09
653-A22L-DY-24A-11M	A22L-DY-24A-11M	D	Yellow	Square full guard	24VAC/DC LED	28.67	26.88	25.98	25.09
653-A22L-DG-24A-11M	A22L-DG-24A-11M	D	Green	Square full guard	24VAC/DC LED	28.67	26.88	25.98	25.09
653-A22L-DW-24A-11M	A22L-DW-24A-11M	D	White	Square full guard	24VAC/DC LED	28.67	26.88	25.98	25.09
653-A22L-DA-24A-11M	A22L-DA-24A-11M	D	Blue	Square full guard	24VAC/DC LED	43.90	41.16	39.79	38.42
653-A22L-DR-T1-11M	A22L-DR-T1-11M	D	Red	Square full guard	24VAC/DC LED w/ transformer	33.15	31.08	30.04	29.01
653-A22L-DY-T1-11M	A22L-DY-T1-11M	D	Yellow	Square full guard	24VAC/DC LED w/ transformer	33.15	31.08	30.04	29.01
653-A22L-DG-T1-11M	A22L-DG-T1-11M	D	Green	Square full guard	24VAC/DC LED w/ transformer	33.15	31.08	30.04	29.01
653-A22L-DW-T1-11M	A22L-DW-T1-11M	D	White	Square full guard	24VAC/DC LED w/ transformer	33.15	31.08	30.04	29.01
653-A22L-DA-T1-11M	A22L-DA-T1-11M	D	Blue	Square full guard	24VAC/DC LED w/ transformer	48.38	45.36	43.85	42.34



22MM EMERGENCY STOP SWITCHES

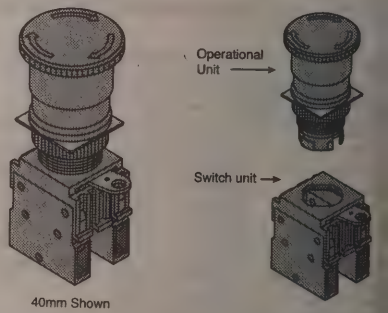
- Locking lever ensures easy mounting and removal of switch
- Finger safe contact blocks
- Install using either round, forked crimp terminals or ferrules

- Contact form: SPST-NO + SPST-NC
- Degree of protection: IP65
- Contact rating: 3A @ 30VDC/250VAC; 5A @ 125VAC

Each unit includes operational unit and switch unit.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each 1	10	25	50
653-A22E-MP-01	A22E-MP-01	40-mm Push Pull, 1NC	30.91	28.98	28.01	27.05
653-A22E-MP-11	A22E-MP-11	40-mm Push Pull, 1NO-1NC	38.08	35.70	34.51	33.32
653-A22E-LP-11	A22E-LP-11	60-mm Push Pull 1NO-1NC	40.77	38.22	36.95	35.67
653-A22E-S-01	A22E-S-01	30-mm Push-lock, Turn-reset, 1NC	30.91	28.98	28.01	27.05
653-A22E-S-11	A22E-S-11	30-mm Push-lock, Turn-reset, 1NO-1NC	27.78	26.04	25.17	24.30
653-A22E-M-01	A22E-M-01	40-mm Push-lock, Turn-reset, 1NC	25.09	23.52	22.74	21.95
653-A22E-M-11	A22E-M-11	40-mm Push-lock, Turn-reset, 1NO-1NC	28.67	26.88	25.98	25.09
653-A22E-L-11	A22E-L-11	60-mm Push-lock, Turn-reset, 1NO-1NC	32.26	30.24	29.23	28.22
653-A22E-SK-11	A22E-SK-11	30-mm Push-lock, Key-reset, 1NO-1NC	37.18	34.86	33.70	32.54
653-A22E-MK-11	A22E-MK-11	40-mm Push-lock, Key-reset, 1NO-1NC	38.98	36.54	35.32	34.10
653-A22EL-M-24A-01	A22EL-M-24A-01	24VAC/DC Illum. 40-mm Push-lock, turn-res., 1NC	40.77	38.22	36.95	35.67
653-A22EL-M-24A-11	A22EL-M-24A-11	24VAC/DC Illum. 40-mm Push-lock, turn-res., 1NO-1NC	52.86	49.56	47.91	46.26
653-A22EL-M-24A-02	A22EL-M-24A-02	24VAC/DC Illum. 40-mm Push-lock, turn-reset, 2NC	52.86	49.56	47.91	46.26

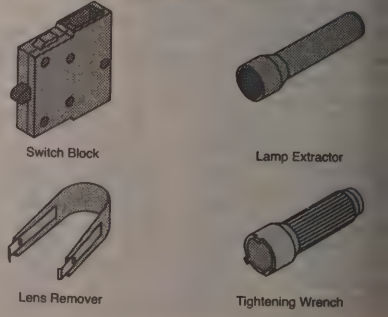


40mm Shown

ACCESSORIES FOR OMRON 22MM SWITCHES

Replacement caps, LEDs, and various other tools are also available. Contact Mouser for these items.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each 1	10	25	50
653-A22-10	A22-10	Replacement switch block, SPST-NO, General Purp.	5.20	4.87	4.71	4.55
653-A22-10S	A22-10S	Replacement switch block, SPST-NO, Microload	12.54	11.76	11.37	10.98
653-A22-01	A22-01	Replacement switch block, SPST-NC, General Purp.	5.20	4.87	4.71	4.55
653-A22-01S	A22-01S	Replacement switch block, SPST-NC, Microload	12.54	11.76	11.37	10.98
653-A22-20	A22-20	Replacement switch block, DPST-NO, General Purp.	13.44	12.60	12.18	11.76
653-A22-20S	A22-20S	Replacement switch block, DPST-NO, Microload	18.82	17.64	17.05	16.46
653-A22-02	A22-02	Replacement switch block, DPST-NC, General Purp.	20.16	18.90	18.27	17.64
653-A22-02S	A22-02S	Replacement switch block, DPST-NC, Microload	18.82	17.64	17.05	16.46
653-A22Z-3905	A22Z-3905	Tightening Wrench for Lock Nuts	12.36	11.59	11.21	10.82
653-A22Z-3901	A22Z-3901	Lamp Extractor	3.76	3.53	3.41	3.29
653-A3PJ-5080	A3PJ-5080	Lens Remover	1.79	1.68	1.62	1.57



MOUSER ELECTRONICS a tti company (800) 346-6873

M165 SERIES: 16MM ILLUMINATED PILOT LIGHTS

Note: Actual color of yellow pushbuttons more closely resembles amber than true yellow.

atures:
-Piece snap-together construction
Snap-in" switch unit for quick and easy, tool -free assembly
hort mounting depth, less than 28.5mm below panel
ndicator without the switch for circuit status or warning.

ecifications:
Degree of protection: IP65
Termination: .110" Solder terminals
Contact rating: 3A @ 30VDC/250VAC;
5A@ 125VAC

LED Specifications:
- Rated current: 10mA
- Operating voltage: 24VAC/DC
- Internal limiting resistor: 1600 Ohms

Incandescent Lamp Specifications:
- Rated current: 24mA
- Operating voltage: 24VAC/DC

es with transformer light source may be lit by directly applying 110VAC/DC to the lamp terminal.

h unit includes operational unit, LED or lamp, and lamp socket.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Cap/LED Color	Actuator Type	Illumination Method	Price Each 1	10	25	50
53-M165-TR-24D	M165-TR-24D	A	Red	Round extended	24 VAC/DC LED	8.06	7.56	7.31	7.06
53-M165-TG-24D	M165-TG-24D	A	Green	Round extended	24 VAC/DC LED	8.06	7.56	7.31	7.06
53-M165-TY-24D	M165-TY-24D	A	Yellow	Round extended	24 VAC/DC LED	8.06	7.56	7.31	7.06
53-M165-TW-24D	M165-TW-24D	A	White	Round extended	24 VAC/DC LED	8.06	7.56	7.31	7.06
53-M165-TR-T1	M165-TR-T1	A	Red	Round extended	24VAC/DC LED w/ xfmr	19.71	18.48	17.86	17.25
53-M165-TG-T1	M165-TG-T1	A	Green	Round extended	24VAC/DC LED w/ xfmr	19.71	18.48	17.86	17.25
53-M165-TY-T1	M165-TY-T1	A	Yellow	Round extended	24VAC/DC LED w/ xfmr	19.71	18.48	17.86	17.25
53-M165-TW-T1	M165-TW-T1	A	White	Round extended	24VAC/DC LED w/ xfmr	19.71	18.48	17.86	17.25
53-M165-TR-24	M165-TR-24	A	Red	Round extended	24 VAC Incandescent lamp	8.06	7.56	7.31	7.06
53-M165-TG-24	M165-TG-24	A	Green	Round extended	24 VAC Incandescent lamp	8.06	7.56	7.31	7.06
53-M165-TY-24	M165-TY-24	A	Yellow	Round extended	24 VAC Incandescent lamp	8.06	7.56	7.31	7.06
53-M165-TW-24	M165-TW-24	A	White	Round extended	24 VAC Incandescent lamp	8.06	7.56	7.31	7.06
53-M165-AR-24D	M165-AR-24D	B	Red	Square, guarded 2 sides	24 VAC/DC LED	8.06	7.56	7.31	7.06
53-M165-AG-24D	M165-AG-24D	B	Green	Square, guarded 2 sides	24 VAC/DC LED	8.06	7.56	7.31	7.06
53-M165-AY-24D	M165-AY-24D	B	Yellow	Square, guarded 2 sides	24 VAC/DC LED	8.06	7.56	7.31	7.06
53-M165-AW-24D	M165-AW-24D	B	White	Square, guarded 2 sides	24 VAC/DC LED	8.06	7.56	7.31	7.06
53-M165-AR-24	M165-AR-24	B	Red	Square, guarded 2 sides	24 VAC Incandescent lamp	6.72	6.30	6.09	5.88
53-M165-AG-24	M165-AG-24	B	Green	Square, guarded 2 sides	24 VAC Incandescent lamp	6.72	6.30	6.09	5.88
53-M165-AY-24	M165-AY-24	B	Yellow	Square, guarded 2 sides	24 VAC Incandescent lamp	6.72	6.30	6.09	5.88
53-M165-AW-24	M165-AW-24	B	White	Square, guarded 2 sides	24 VAC Incandescent lamp	6.72	6.30	6.09	5.88
53-M165-JR-24D	M165-JR-24D	C	Red	Rect., guarded 2 sides	24 VAC/DC LED	8.06	7.56	7.31	7.06
53-M165-JG-24D	M165-JG-24D	C	Green	Rect., guarded 2 sides	24 VAC/DC LED	8.06	7.56	7.31	7.06
53-M165-JY-24D	M165-JY-24D	C	Yellow	Rect., guarded 2 sides	24 VAC/DC LED	8.06	7.56	7.31	7.06
53-M165-JW-24D	M165-JW-24D	C	White	Rect., guarded 2 sides	24 VAC/DC LED	8.06	7.56	7.31	7.06
53-M165-JR-24	M165-JR-24	C	Red	Rect., guarded 2 sides	24 VAC Incandescent lamp	6.72	6.30	6.09	5.88
53-M165-JG-24	M165-JG-24	C	Green	Rect., guarded 2 sides	24 VAC Incandescent lamp	6.72	6.30	6.09	5.88
53-M165-JY-24	M165-JY-24	C	Yellow	Rect., guarded 2 sides	24 VAC Incandescent lamp	6.72	6.30	6.09	5.88
53-M165-JW-24	M165-JW-24	C	White	Rect., guarded 2 sides	24 VAC Incandescent lamp	6.72	6.30	6.09	5.88

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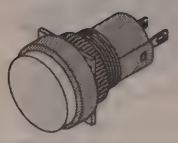

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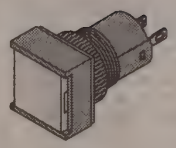

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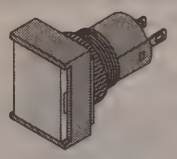

M22 SERIES: 22MM ILLUMINATED PILOT LIGHTS

atures :
-Piece snap-together construction
Snap-in" switch unit for quick and easy, tool -free assembly
Short mounting depth, less than 28.5mm below panel
ndicator without the switch for circuit status or warning.
nstall using either round, forked crimp terminals or ferrules

ecifications:
Degree of protection: IP65
Contact rating: 3A @ 30VDC/250VAC;
5A@ 125VAC

LED Specifications:
- Rated current: 10mA
- Operating voltage: 24VAC/DC
- Internal limiting resistor: 1600 Ohms

Incandescent Lamp Specifications:
- Rated current: 24mA
- Operating voltage: 24VAC/DC

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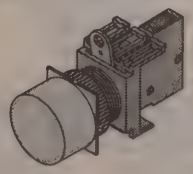

ees with transformer light source may be lit by directly applying 110VAC/DC to the lamp terminal.

sh unit includes operational unit, LED or lamp, and lamp socket.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Cap/LED Color	Actuator Type	Illumination Method	Price Each 1	10	25	50
53-M22-FR-24A	M22-FR-24A	A	Red	Round flush	24VAC/DC LED	11.65	10.92	10.56	10.19
53-M22-FG-24A	M22-FG-24A	A	Green	Round flush	24VAC/DC LED	11.65	10.92	10.56	10.19
53-M22-FY-24A	M22-FY-24A	A	Yellow	Round flush	24VAC/DC LED	11.65	10.92	10.56	10.19
53-M22-FW-24A	M22-FW-24A	A	White	Round flush	24VAC/DC LED	11.65	10.92	10.56	10.19
53-M22-FR-T1	M22-FR-T1	A	Red	Round flush	24VAC/DC LED w/ transformer	15.23	14.28	13.80	13.33
53-M22-FG-T1	M22-FG-T1	A	Green	Round flush	24VAC/DC LED w/ transformer	15.23	14.28	13.80	13.33
53-M22-FY-T1	M22-FY-T1	A	Yellow	Round flush	24VAC/DC LED w/ transformer	15.23	14.28	13.80	13.33
53-M22-FW-T1	M22-FW-T1	A	White	Round flush	24VAC/DC LED w/ transformer	15.23	14.28	13.80	13.33
53-M22-CR-24A	M22-CR-24A	B	Red	Square extended	24VAC/DC LED	18.82	17.64	17.05	16.46
53-M22-CG-24A	M22-CG-24A	B	Green	Square extended	24VAC/DC LED	18.82	17.64	17.05	16.46
53-M22-CY-24A	M22-CY-24A	B	Yellow	Square extended	24VAC/DC LED	18.82	17.64	17.05	16.46
53-M22-CW-24A	M22-CW-24A	B	White	Square extended	24VAC/DC LED	18.82	17.64	17.05	16.46
53-M22-CR-T1	M22-CR-T1	B	Red	Square extended	24VAC/DC LED w/ transformer	31.36	29.40	28.42	27.44
53-M22-CG-T1	M22-CG-T1	B	Green	Square extended	24VAC/DC LED w/ transformer	31.36	29.40	28.42	27.44
53-M22-CY-T1	M22-CY-T1	B	Yellow	Square extended	24VAC/DC LED w/ transformer	31.36	29.40	28.42	27.44
53-M22-CW-T1	M22-CW-T1	B	White	Square extended	24VAC/DC LED w/ transformer	31.36	29.40	28.42	27.44

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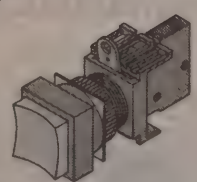

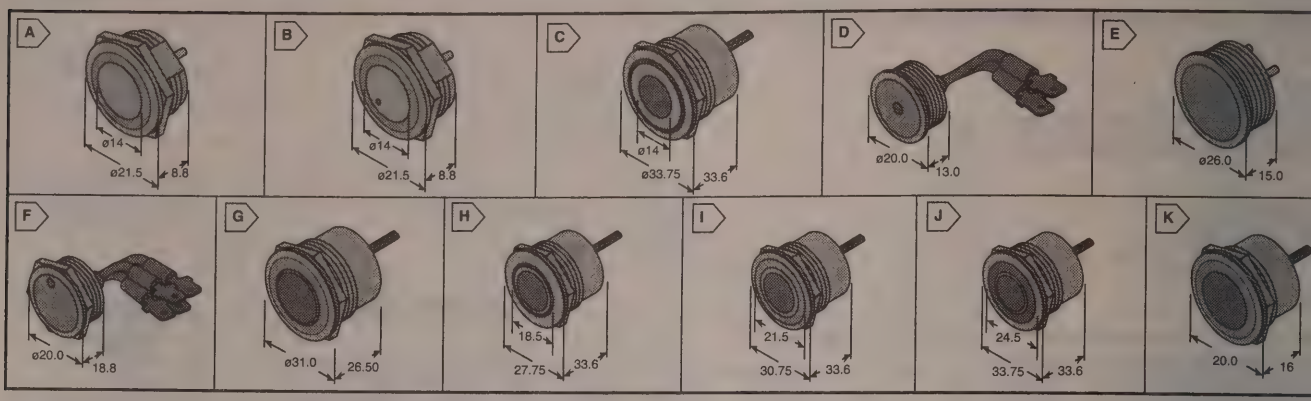

SCHURTER VANDAL-PROOF MECHANICAL SWITCHES

DIMENSIONS: m

Specifications:

- Contact material: Silver
- Max switching voltage: 48 VDC
- Max switching current: 125 mA
- Lifetime: 1,000,000 cycles
- Switching function: N.O.
- Actuation force: 3.7 N
- LED forward voltage: Red - 1.6V; Green - 2.0V; Yellow - 2.0V
- LED forward current: All colors = 20 mA
- All switches supplied with nut and O-ring seal

For quantities of 100 and up, call for

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Housing Material	Actuator Material	Terminals	Price Each 1	10	25	
693-1241.2800	1241.2800	A	N/A	19 mm	Zinc diecast	Zinc diecast	Pins	8.68	7.71	6.94	
693-1241.2855	1241.2855	B	Spot Red	19 mm	Zinc diecast	Stainless steel	Pins w/ solder aid	21.58	19.18	17.26	1
693-1241.2856	1241.2856	B	Spot Green	19 mm	Zinc diecast	Stainless steel	Pins w/ solder aid	19.41	17.25	15.53	1
693-1241.2857	1241.2857	B	Spot Yellow	19 mm	Zinc diecast	Stainless steel	Pins w/ solder aid	21.58	19.18	17.26	1
693-1241.2858	1241.2858	B	Spot Red/Green	19 mm	Zinc diecast	Stainless steel	Pins w/ solder aid	22.49	19.99	17.99	1
693-1241.6400	1241.6400	C	Ring Red	30 mm	Aluminum	Zinc diecast	Wire	82.85	73.64	66.28	6
693-1241.6401	1241.6401	C	Ring Green	30 mm	Aluminum	Zinc diecast	Wire	82.85	73.64	66.28	6
693-1241.6402	1241.6402	C	Ring Yellow	30 mm	Aluminum	Zinc diecast	Wire	82.85	73.64	66.28	6
693-1241.6403	1241.6403	C	Ring Red/Green	30 mm	Aluminum	Zinc diecast	Wire	84.19	74.83	67.35	6

SCHURTER VANDAL-PROOF ILLIMINATED PIEZO INDICATORS

Specifications:

- Max switching voltage: 42 VAC
- Max switching current: 100 mA
- Capacity: 30 pF
- Switching function: N.O.
- Lifetime: 20,000,000 cycles
- Min. actuating force: 1.5N
- All switches supplied with nut and O-ring seal

For quantities of 100 and up, call for

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Housing Color	Housing Material	Terminals	Price Each 1	10	25	
693-1241.3033	1241.3033	D	Spot Red	16 mm	Aluminum natural	Anodized Aluminum	Faston	17.65	15.69	14.12	13
693-1241.3034	1241.3034	D	Spot Green	16 mm	Aluminum natural	Anodized Aluminum	Faston	17.65	15.69	14.12	13
693-1241.3035	1241.3035	D	Spot Yellow	16 mm	Aluminum natural	Anodized Aluminum	Faston	17.65	15.69	14.12	13
693-1241.3036	1241.3036	D	Spot Red	16 mm	Red	Anodized Aluminum	Faston	17.65	15.69	14.12	13
693-1241.3037	1241.3037	D	Spot Green	16 mm	Green	Anodized Aluminum	Faston	17.65	15.69	14.12	13
693-1241.3038	1241.3038	D	Spot Yellow	16 mm	Yellow	Anodized Aluminum	Faston	17.65	15.69	14.12	13

SCHURTER VANDAL-PROOF PIEZO SWITCHES

Specifications:

- Max switching voltage: 42 VAC
- Max switching current: 100 mA
- Capacity: 30 pF
- Switching function: N.O.
- Lifetime: 20,000,000 cycles
- Min. actuating force: 1.5N
- All switches supplied with nut and O-ring seal

For quantities of 100 and up, call for

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Housing Color	Housing Material	Terminals	Price Each 1	10	25	
693-1241.3008	1241.3008	E	N/A	22 mm	Aluminum natural	Anodized Aluminum	Pins	37.85	33.65	30.28	28.
693-1241.3005	1241.3005	E	N/A	22 mm	Red	Anodized Aluminum	Pins	37.85	33.65	30.28	28.
693-1241.3006	1241.3006	E	N/A	22 mm	Green	Anodized Aluminum	Pins	37.85	33.65	30.28	28.
693-1241.3020	1241.3020	F	Spot Red	22 mm	Aluminum natural	Anodized Aluminum	Faston	41.53	36.92	33.22	31.
693-1241.2625.8	1241.2625.8	G	N/A	27 mm	Aluminum natural	Anodized Aluminum	100 mm wire	55.37	49.22	44.30	41.
693-1241.2625.3	1241.2625.3	G	N/A	27 mm	Red	Anodized Aluminum	100 mm wire	55.37	49.22	44.30	41.
693-1241.3010	1241.3010	H	Ring Red/Green	24 mm	Aluminum natural	Anodized Aluminum	200 mm wire	102.74	91.33	82.20	77.
693-1241.3011	1241.3011	I	Ring Red/Green	27 mm	Aluminum natural	Anodized Aluminum	200 mm wire	104.91	93.25	83.93	79.
693-1241.3012	1241.3012	J	Ring Red/Green	30 mm	Aluminum natural	Anodized Aluminum	200 mm wire	107.07	95.17	85.66	80.

SCHURTER VANDAL-PROOF CAPACITIVE SWITCHES

Specifications:

- Max switching voltage: 7-24 VDC
- Max switching current: 175 mA
- All switches supplied with nut and O-ring seal
- Lifetime: 1,000,000 cycles
- Input current (irrespective of LEDs): 5V - 2mA not in action/3mA in action; 12V - 2mA not in action/ 6mA in action; 24V - 4mA not in action/ 8mA in action

Features:

- Pressure-free operation of input systems due to no actuation force
- IP67 degree of protection

For quantities of 100 and up, call for q

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Switching Type	Housing Material	Terminals	Price Each 1	10	25	50
693-1243.1218.1.1	1243.1218.1.1	K	Red	16 mm	Latching	Aluminum	210 mm wire	92.09	81.86	73.67	69.5
693-1243.1318.1.1	1243.1318.1.1	K	Red	16 mm	Momentary	Aluminum	210 mm wire	92.09	81.86	73.67	69.5
693-1243.1118.1.1	1243.1118.1.1	K	Red	16 mm	Impulse	Aluminum	210 mm wire	92.09	81.86	73.67	69.5
693-1243.1218.2.1	1243.1218.2.1	K	Green	16 mm	Latching	Aluminum	210 mm wire	92.09	81.86	73.67	69.5
693-1243.1318.2.1	1243.1318.2.1	K	Green	16 mm	Momentary	Aluminum	210 mm wire	92.09	81.86	73.67	69.5
693-1243.1118.2.1	1243.1118.2.1	K	Green	16 mm	Impulse	Aluminum	210 mm wire	92.09	81.86	73.67	69.5

SHIN CHIN Pushbutton Switches

A1 SERIES PUSHBUTTON SWITCHES

atures:
Material: Alkyd base (UL flame: 94V-0)
Contacts/Terminals: Copper w/silver alloy & silver plated
Epoxy sealed

- Rating: 6A/125VAC, 3A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

E67774 LR45128

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
2-PA101A1-B/BL	PA101A1-B/BL	A	Black	Metal	On-Off	2.96	2.66	2.40	2.16	2.03
2-PA101A1-R/BL	PA101A1-R/BL	A	Red	Metal	On-Off	2.96	2.66	2.40	2.16	2.03
2-PA102A1-B/BL	PA102A1-B/BL	A	Black	Metal	On-On	3.08	2.77	2.49	2.25	2.11
2-PA102A1-R/BL	PA102A1-R/BL	A	Red	Metal	On-On	3.08	2.77	2.49	2.25	2.11
2-PA106A1-B/BL	PA106A1-B/BL	A	Black	Metal	On-(On)	3.08	2.77	2.49	2.25	2.11
2-PA106A1-R/BL	PA106A1-R/BL	A	Red	Metal	On-(On)	3.08	2.77	2.49	2.25	2.11

13-23 SERIES PUSHBUTTON SWITCHES

atures:
Material: Actuators are ABS (UL flame 94HB)
Phenolic base
Rating: 3A/125VAC, 1.5A/250VAC

- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

LR45128

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
2-R13-23A-R	R13-23A-R	B	Red	Black	Off-(On)	1.40	1.26	1.06	.97	.92
2-R13-23A-B	R13-23A-B	B	Black	Black	Off-(On)	1.40	1.26	1.06	.97	.92
2-R13-23A-BL	R13-23A-BL	B	Blue	Black	Off-(On)	1.40	1.26	1.06	.97	.92
2-R13-23A-W	R13-23A-W	B	White	Black	Off-(On)	1.40	1.26	1.06	.97	.92
2-R13-23A-Y	R13-23A-Y	B	Yellow	Black	Off-(On)	1.40	1.26	1.06	.97	.92
2-R13-23B-R	R13-23B-R	B	Red	Black	Off-On	1.40	1.26	1.06	.97	.92
2-R13-23B-B	R13-23B-B	B	Black	Black	Off-On	1.40	1.26	1.06	.97	.92
2-R13-23B-BL	R13-23B-BL	B	Blue	Black	Off-On	1.40	1.26	1.06	.97	.92
2-R13-23B-W	R13-23B-W	B	White	Black	Off-On	1.40	1.26	1.06	.97	.92
2-R13-23B-Y	R13-23B-Y	B	Yellow	Black	Off-On	1.40	1.26	1.06	.97	.92

13-24 SERIES PUSHBUTTON SWITCHES

atures:
Material: Actuators are ABS (UL flame 94HB)
Frames are nickel plated brass
Phenolic base

- Rating: 3A/250VAC, 1.5A/125VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
2-R13-24A-R	R13-24A-R	C	Red	Metal	Off-(On)	.83	.70	.63	.58	.53
2-R13-24A-B	R13-24A-B	C	Black	Metal	Off-(On)	.83	.70	.63	.58	.53
2-R13-24A-BL	R13-24A-BL	C	Blue	Metal	Off-(On)	.83	.70	.63	.58	.53
2-R13-24A-G	R13-24A-G	C	Green	Metal	Off-(On)	.83	.70	.63	.58	.53
2-R13-24A-W	R13-24A-W	C	White	Metal	Off-(On)	.83	.70	.63	.58	.53

13-40 SERIES PUSHBUTTON SWITCHES

atures:
Material: Actuators are ABS (UL flame 94HB)
Phenolic base
Rating: 3A/125VAC, 1.5A/250VAC

- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

LR45128

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
2-R13-40A-B	R13-40A-B	D	Black	Metal	Off-(On)	1.44	1.29	1.16	1.04	.98
2-R13-40A-R	R13-40A-R	D	Red	Metal	Off-(On)	1.44	1.29	1.16	1.04	.98
2-R13-40B-B	R13-40B-B	D	Black	Metal	Off-On	1.68	1.53	1.40	1.28	1.19
2-R13-40B-R	R13-40B-R	D	Red	Metal	Off-On	1.68	1.53	1.40	1.28	1.19

13-502 SERIES PUSHBUTTON SWITCHES

atures:
Material: Black frames are nylon (UL flame 94V-2)
Metal frames are nickel plated brass
Terminals: Silver plated brass
Rating: 3A/125VAC, 1.5A/250VAC

- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
2-R13-502A-B/B	R13-502A-B/B	E	Black	Black	Off-(On)	1.96	1.76	1.59	1.43	1.31
2-R13-502A-R/B	R13-502A-R/B	E	Red	Black	Off-(On)	1.96	1.76	1.59	1.43	1.31
2-R13-502A-G/B	R13-502A-G/B	E	Green	Black	Off-(On)	1.96	1.76	1.59	1.43	1.31
2-R13-502MA-B/B	R13-502MA-B/B	E	Black	Metal	Off-(On)	2.45	2.21	1.99	1.79	1.64
2-R13-502MA-R/B	R13-502MA-R/B	E	Red	Metal	Off-(On)	2.45	2.21	1.99	1.79	1.64
2-R13-502MA-G/B	R13-502MA-G/B	E	Green	Metal	Off-(On)	2.45	2.21	1.99	1.79	1.64
2-R13-502MA-Y/B	R13-502MA-Y/B	E	Yellow	Metal	Off-(On)	2.45	2.21	1.99	1.79	1.64
2-R13-502MC-B/B	R13-502MC-B/B	F	Black	Metal	On-(On)	3.08	2.77	2.49	2.25	2.07
2-R13-502MC-R/B	R13-502MC-R/B	F	Red	Metal	On-(On)	3.08	2.77	2.49	2.25	2.07

13-507 SERIES PUSHBUTTON SWITCHES

atures:
Material: Black frames are nylon (UL flame: 94V-0)
Metal frames are nickel plated brass
Terminal: Silver plated brass
Terminal type: Solder lug

- Rating: 6A/125VAC, 3A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
2-R13-507A-B/B	R13-507A-B/B	G	Black	Black	Off-(On)	1.75	1.58	1.42	1.28	1.17
2-R13-507A-R/B	R13-507A-R/B	G	Red	Black	Off-(On)	1.75	1.58	1.42	1.28	1.17
2-R13-507MA-B	R13-507MA-B	G	Black	Metal	Off-(On)	3.22	2.90	2.61	2.35	2.16
2-R13-507MA-R	R13-507MA-R	G	Red	Metal	Off-(On)	3.22	2.90	2.61	2.35	2.16

DIMENSIONS (IN)

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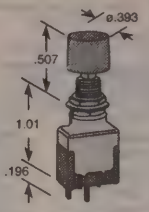

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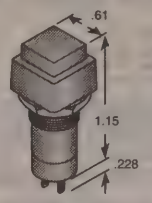

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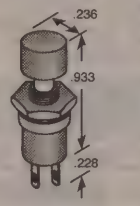

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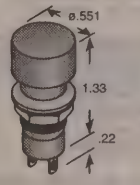

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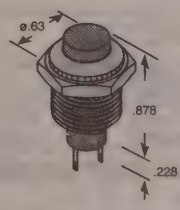

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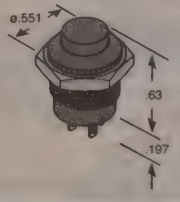

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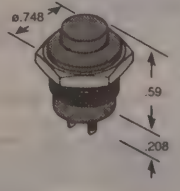

SCI PARTS

R13-508 SERIES PUSHBUTTON SWITCHES

Features:

- Material: Frames are nylon w/glass fiber (UL flame: 94HB)
- Terminals: Silver plated brass
- Terminal type: Solder lug
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1500VAC for 1 minute
- LED Illumination: 3VDC

E67774

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-508A-B	R13-508A-B	A	Black	Black	Off-(On)	3.08	2.77	2.49	2.25	2.02
112-R13-508A-R	R13-508A-R	A	Red	Black	Off-(On)	3.08	2.77	2.49	2.25	2.02
112-R13-508AL-G	R13-508AL-G	A	Illum. Green	Black	Off-(On)	3.57	3.21	2.89	2.60	2.34
112-R13-508AL-R	R13-508AL-R	A	Illum. Red	Black	Off-(On)	3.57	3.21	2.89	2.60	2.34
112-R13-508B-B	R13-508B-B	A	Black	Black	Off-On	4.12	3.70	3.33	2.99	2.69
112-R13-508B-R	R13-508B-R	A	Red	Black	Off-On	4.12	3.70	3.33	2.99	2.69

R13-509 SERIES PUSHBUTTON SWITCHES

Features:

- Material: Actuators and frames are nylon (UL flame: 94V-2)
- Terminals: Silver plated brass
- Terminal type: Solder lug
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-509A-B	R13-509A-B	B	Black	Black	Off-(On)	2.10	1.89	1.70	1.53	1.38
112-R13-509A-R	R13-509A-R	B	Red	Black	Off-(On)	2.10	1.89	1.70	1.53	1.38

R13-510 SERIES PUSHBUTTON SWITCHES

Features:

- Material: Frames are nylon (UL flame: 94V-2)
- Terminals: Silver plated brass
- Terminal type: Solder lug
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-510A-B	R13-510A-B	C	Black	Black	Off-(On)	2.10	1.89	1.70	1.53	1.38
112-R13-510A-R	R13-510A-R	C	Red	Black	Off-(On)	2.10	1.89	1.70	1.53	1.38

R13-511 SERIES PUSHBUTTON SWITCHES

Features:

- Material: Frames are nylon w/glass fiber (UL flame: 94V-2)
- Terminals: Silver plated brass
- Terminal type: Solder lug
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1500VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-511A-B	R13-511A-B	D	Black	Black	Off-(On)	3.30	2.97	2.67	2.41	2.17
112-R13-511A-R	R13-511A-R	D	Red	Black	Off-(On)	3.30	2.97	2.67	2.41	2.17
112-R13-511B-B	R13-511B-B	D	Black	Black	Off-On	3.50	3.15	2.84	2.55	2.30
112-R13-511B-R	R13-511B-R	D	Red	Black	Off-On	3.50	3.15	2.84	2.55	2.30

R13-81 SERIES PUSHBUTTON SWITCHES

Features:

- Material: Frames are nickel plated brass
- Bases are PBT w/fiber glass
- Terminal type: Solder lug
- Rating: 0.5A/125VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1500VAC for 1 minute

LR45128

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-81-B	R13-81-B	E	Black	Metal	Off-(On)	1.54	1.39	1.25	1.12	.99
112-R13-81-R	R13-81-R	E	Red	Metal	Off-(On)	1.54	1.39	1.25	1.12	.99

R13-523 SERIES PUSHBUTTON SWITCHES

Features:

- Material: Frames are nylon (UL flame: 94V-2)
- Terminals: Silver plated brass
- Terminal type: Solder lug
- Illumination: 12V LED
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1500VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-523BL-G-12V	R13-523BL-G-12V	F	Illum Green	Black	Off-On	4.63	4.16	3.74	3.36	3.09
112-R13-523BL-R-12V	R13-523BL-R-12V	F	Illum Red	Black	Off-On	4.63	4.16	3.74	3.36	3.09

DOOR SWITCHES

R13-52 Series

Features:

- Material: Frames and actuators are ABS (UL flame: 94HB)
- Terminal type: Screw type
- Rating: 0.75A/125VAC, 0.25A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1500VAC for 1 minute

E67774

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-52A-W	R13-52A-W	G	White	White	Off-(On)	2.20	1.98	1.79	1.61	1.48

R13-504 Series

Features:

- Material: Frames are nylon (UL flame: 94V-0)
- Terminal type: Solder lug
- Rating: 2A/125VAC, 1A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 100VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-504A-B	R13-504A-B	H	Black	Black	Off-(On)	2.80	2.52	2.27	2.04	1.88

DIMENSIONS (IN)

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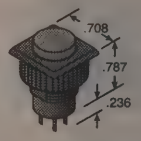

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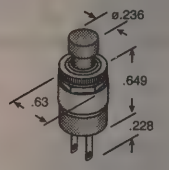

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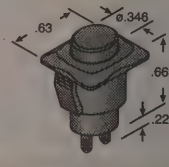

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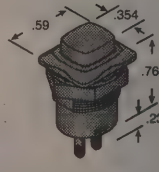

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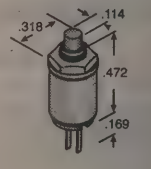

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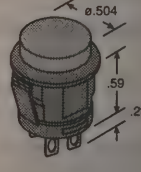

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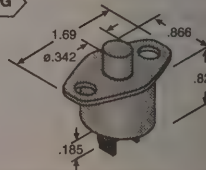

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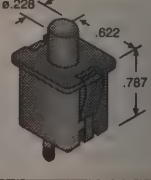


MOUSER ELECTRONICS a tti company

ALCOSWITCH A SERIES (GEMINI SERIES) MINIATURE TOGGLE SWITCHES

ifications:

act rating: Gold - 0.4VA @ 20 VAC/DC; silver - 2A
0 VAC, 5A @ 125 VAC
inal seal: Epoxy
material: Thermoset
act timing: Break before make

- Actuation force: Momentary - 950g max.; maintained - 1750g max.
- Actuator travel: 25°
- Life expectancy: 30,000 cycles

( ) Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Price Each 1	25	50	100
dard Actuator w/ Silver Contact Material									
A101SYZQ	A101SYZQ	A	SPDT	On-None-On	Wire lug	2.32	2.19	1.94	1.74
A103SYZQ	A103SYZQ	A	SPDT	On-Off-On	Wire lug	5.13	4.85	4.28	3.85
A105SYZQ	A105SYZQ	A	SPDT	(On)-Off-(On)	Wire lug	5.80	5.47	4.83	4.35
A107SYZQ	A107SYZQ	A	SPDT	On-Off-(On)	Wire lug	5.90	5.58	4.92	4.43
A108SYZQ	A108SYZQ	A	SPDT	On-None-(On)	Wire lug	5.47	5.17	4.56	4.10
A201SYZQ	A201SYZQ	B	DPDT	On-None-On	Wire lug	6.50	6.14	5.42	4.87
A203SYZQ	A203SYZQ	B	DPDT	On-Off-On	Wire lug	7.76	7.33	6.47	5.82
A205SYZQ	A205SYZQ	B	DPDT	(On)-Off-(On)	Wire lug	9.68	9.15	8.07	7.26
A207SYZQ	A207SYZQ	B	DPDT	On-Off-(On)	Wire lug	8.86	8.36	7.38	6.64
A208SYZQ	A208SYZQ	B	DPDT	On-None-(On)	Wire lug	9.32	8.81	7.77	6.99
dard Actuator w/ Gold Contact Material									
A101SYCB	A101SYCB	C	SPDT	On-None-On	PCB	4.34	4.10	3.62	3.25
A103SYCB	A103SYCB	C	SPDT	On-Off-On	PCB	5.29	5.00	4.41	3.97
A105SYCB	A105SYCB	C	SPDT	(On)-Off-(On)	PCB	5.71	5.39	4.76	4.28
A107SYCB	A107SYCB	C	SPDT	On-Off-(On)	PCB	5.40	5.10	4.50	4.05
A108SYCB	A108SYCB	C	SPDT	On-None-(On)	PCB	5.40	5.10	4.50	4.05
A201SYCB	A201SYCB	D	DPDT	On-None-On	PCB	7.27	6.87	6.06	5.45
A203SYCB	A203SYCB	D	DPDT	On-Off-On	PCB	9.72	9.18	8.10	7.29
A205SYCB	A205SYCB	D	DPDT	(On)-Off-(On)	PCB	9.23	8.72	7.70	6.93
A208SYCB	A208SYCB	D	DPDT	On-None-(On)	PCB	9.54	9.01	7.95	7.16
ed Actuator w/ Silver Contact Material									
A101P3YZQ	A101P3YZQ	E	SPDT	On-None-On	Wire lug	6.57	6.21	5.48	4.93
A103P3YZQ	A103P3YZQ	E	SPDT	On-Off-On	Wire lug	6.89	6.51	5.75	5.17
A105P3YZQ	A105P3YZQ	E	SPDT	(On)-Off-(On)	Wire lug	7.60	7.17	6.33	5.70
A107P3YZQ	A107P3YZQ	E	SPDT	On-Off-(On)	Wire lug	7.96	7.51	6.63	5.97
A108P3YZQ	A108P3YZQ	E	SPDT	On-None-(On)	Wire lug	6.71	6.34	5.60	5.04
A201P3YZQ	A201P3YZQ	F	DPDT	On-None-On	Wire lug	9.05	8.55	7.55	6.79
A203P3YZQ	A203P3YZQ	F	DPDT	On-Off-On	Wire lug	10.13	9.57	8.45	7.60
A205P3YZQ	A205P3YZQ	F	DPDT	(On)-Off-(On)	Wire lug	11.14	10.52	9.29	8.36
A208P3YZQ	A208P3YZQ	F	DPDT	On-None-(On)	Wire lug	10.69	10.10	8.91	8.02
king Actuator w/ Silver Contact Material									
A101KZQ	A101KZQ	G	SPDT	On-None-On	Wire lug	9.14	8.64	7.62	6.86
A103KZQ	A103KZQ	G	SPDT	On-Off-On	Wire lug	8.08	7.63	6.74	6.06
A201KZQ	A201KZQ	H	DPDT	On-None-On	Wire lug	8.59	8.11	7.16	6.44

ALCOSWITCH MTA/MTA-PC SERIES (GREEN SERIES) 6A TOGGLE SWITCHES

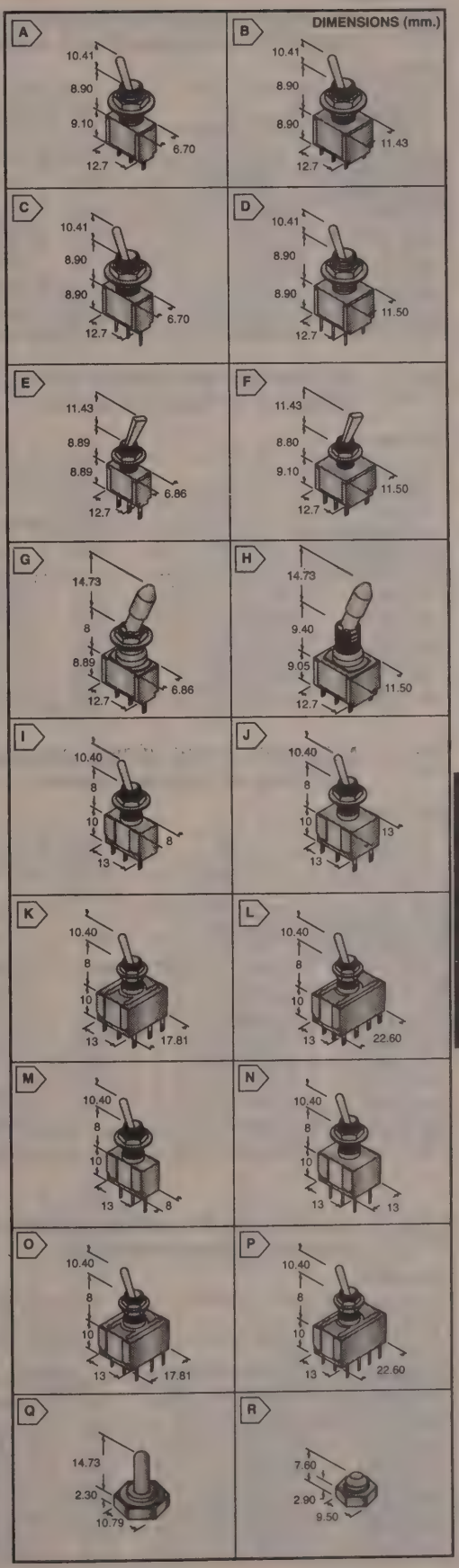
ifications:

ntact rating: 6 A @ 125 VAC, 3 A @ VAC
minal seal: Insert molded
ntact material: Gold flash over silver

- Mechanical life expectancy: 2 Pos. - 150,000; 3 Pos. - 100,000; 4 Pos. - 60,000 hrs.
- MTA-PC has PC tail
- Actuation force: .05-1.5kg
- Actuator travel: 24°
- High torque bushing shoulder standard
- Contact timing: Break before make

types have case .100" (2.5mm) longer than other types ( ) Momentary **For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Price Each 1	25	50	100
-MTA106D	MTA106D	I	SPDT	On-None-On	Wire lug	2.92	2.75	2.43	2.19
-MTA106E	MTA106E	I	SPDT	On-Off-On	Wire lug	5.78	5.46	4.82	4.33
-MTA106F	MTA106F	I	SPDT	On-None-(On)	Wire lug	6.08	5.75	5.07	4.56
-MTA106G	MTA106G	I	SPDT	(On)-Off-(On)	Wire lug	6.48	6.12	5.40	4.86
-MTA106H	MTA106H	I	SPDT	On-Off-(On)	Wire lug	6.50	6.14	5.42	4.87
-MTA206N	MTA206N	J	DPDT	On-None-On	Wire lug	4.28	4.05	3.57	3.21
-MTA206P	MTA206P	J	DPDT	On-Off-On	Wire lug	5.20	4.91	4.34	3.90
-MTA206PA *	MTA206PA	J	SP3T	On-On-On	Wire lug	9.43	8.91	7.86	7.07
-MTA206R	MTA206R	J	DPDT	On-None-(On)	Wire lug	7.74	7.31	6.45	5.81
-MTA206S	MTA206S	J	DPDT	(On)-Off-(On)	Wire lug	8.37	7.91	6.98	6.28
-MTA206T	MTA206T	J	DPDT	On-Off-(On)	Wire lug	8.19	7.74	6.83	6.14
-MTA306D	MTA306D	K	3PDT	On-None-On	Wire lug	12.02	11.36	10.02	9.02
-MTA306E	MTA306E	K	3PDT	On-Off-On	Wire lug	12.89	12.17	10.74	9.67
-MTA406N	MTA406N	L	4PDT	On-None-On	Wire lug	14.27	13.48	11.90	10.71
-MTA406P	MTA406P	L	4PDT	On-Off-On	Wire lug	16.81	15.88	14.01	12.61
-MTA406PA *	MTA406PA	L	DP3T	On-On-On	Wire lug	19.60	18.51	16.34	14.70
-MTA106DPC	MTA106DPC	M	SPDT	On-None-On	PCB	2.99	2.82	2.49	2.24
-MTA106EPC	MTA106EPC	M	SPDT	On-Off-On	PCB	4.12	3.89	3.44	3.09
-MTA106FPC	MTA106FPC	M	SPDT	On-None-(On)	PCB	6.23	5.88	5.19	4.67
-MTA106GPC	MTA106GPC	M	SPDT	(On)-Off-(On)	PCB	6.62	6.26	5.52	4.97
-MTA106HPC	MTA106HPC	M	SPDT	On-Off-(On)	PCB	6.64	6.27	5.54	4.98
-MTA206NPC	MTA206NPC	N	DPDT	On-None-On	PCB	6.32	5.97	5.27	4.74
-MTA206PPC	MTA206PPC	N	DPDT	On-Off-On	PCB	7.61	7.19	6.35	5.71
-MTA206RPC	MTA206RPC	N	DPDT	On-None-(On)	PCB	7.88	7.45	6.57	5.91
-MTA206SPC	MTA206SPC	N	DPDT	(On)-Off-(On)	PCB	8.51	8.04	7.10	6.39
-MTA306EPC	MTA306EPC	O	3PDT	On-Off-On	PCB	13.03	12.31	10.86	9.77
-MTA406NPC	MTA406NPC	P	4PDT	On-None-On	PCB	14.40	13.60	12.00	10.80
cessories for MTA series			**Description**						
-B14400	B14400	Q	Black 1/4-40 toggle switch boot seal			2.93	2.66	2.19	1.93
-BT14400	BT14400	R	Black 1/4-40 toggle switch boot seal			4.03	3.66	3.02	2.65



ALCOSWITCH MTE SERIES (GREEN SERIES) 6A TOGGLE SWITCHES W/ SPLASHPROOF BATON

Specifications:

- Contact rating: 6 A @ 125 VAC, 3 A @ 250 VAC
- Terminal seal: Insert molded
- Contact material: Gold flash over silver
- Mechanical Life Expectancy: 2 Pos. - 150,000; 3 Pos. - 100,000; 4 Pos. - 60,000 hrs.
- Actuation force: .05-1.5 kg
- Actuator Travel: 24°
- High torque bushing shoulder standard
- Contact timing: Break before make

( ) Momentary — For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Price Each			
						1	25	50	100
506-MTE106D	MTE106D	A	SPDT	On-None-On	Wire lug	6.41	6.05	5.34	4.81
506-MTE106E	MTE106E	A	SPDT	On-Off-On	Wire lug	7.49	7.07	6.24	5.62
506-MTE106F	MTE106F	A	SPDT	On-None-(On)	Wire lug	8.75	8.26	7.29	6.56
506-MTE206N	MTE206N	B	DPDT	On-None-On	Wire lug	9.79	9.25	8.16	7.34
506-MTE206R	MTE206R	B	DPDT	On-None-(On)	Wire lug	11.30	10.68	9.42	8.48
506-MTE306D	MTE306D	C	3PDT	On-None-On	Wire lug	15.23	14.38	12.69	11.42
506-MTE306E	MTE306E	C	3PDT	On-Off-On	Wire lug	14.94	14.11	12.45	11.21
506-MTE406N	MTE406N	D	4PDT	On-None-On	Wire lug	18.07	17.07	15.06	13.55

ALCOSWITCH MTF SERIES (GREEN SERIES) 6A TOGGLE SWITCHES W/ FLAT ACTUATOR

Specifications:

- Contact rating: 6 A @ 125 VAC, 3 A @ 250 VAC
- Terminal seal: Insert molded
- Contact material: Gold flash over silver
- Mechanical Life Expectancy: 2 Pos. - 150,000; 3 Pos. - 100,000; 4 Pos. - 60,000 hrs.
- Actuation force: .05-1.5 kg
- Actuator Travel: 24°
- High torque bushing shoulder standard
- Contact timing: Break before make

( ) Momentary — For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Price Each			
						1	25	50	100
506-MTF106D	MTF106D	E	SPDT	On-None-On	Wire lug	4.10	3.88	3.42	3.08
506-MTF106E	MTF106E	E	SPDT	On-Off-On	Wire lug	9.38	8.86	7.82	7.03
506-MTF106G	MTF106G	E	SPDT	(On)-Off-(On)	Wire lug	8.60	8.13	7.17	6.45
506-MTF206N	MTF206N	F	DPDT	On-None-On	Wire lug	5.49	5.19	4.58	4.12
506-MTF206R	MTF206R	F	DPDT	On-None-(On)	Wire lug	9.61	9.08	8.01	7.21
506-MTF206S	MTF206S	F	DPDT	(On)-Off-(On)	Wire lug	10.85	10.25	9.05	8.14
506-MTF306D	MTF306D	G	3PDT	On-None-On	Wire lug	14.04	13.26	11.70	10.53
506-MTF406N	MTF406N	H	4PDT	On-None-On	Wire lug	19.15	18.09	15.96	14.36

ALCOSWITCH MTG SERIES (GREEN SERIES) 6A TOGGLE SWITCHES W/ FLAT ACTUATOR

Specifications:

- Contact rating: 6 A @ 125 VAC, 3 A @ 250 VAC
- Terminal seal: Insert molded
- Contact material: Gold flash over silver
- Mechanical Life Expectancy: 2 Pos. - 150,000; 3 Pos. - ∗100,000; 4 Pos. - 60,000 hrs.
- Actuation force: .05-1.5 kg
- Actuator Travel: 24°
- High torque bushing shoulder standard
- Contact timing: Break before make

PA types have case .100" (2.5mm) longer than other types — ( ) Momentary — For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Price Each			
						1	25	50	100
506-MTG106D	MTG106D	I	SPDT	On-None-On	Wire lug	6.86	6.48	5.72	5.14
506-MTG106E	MTG106E	I	SPDT	On-Off-On	Wire lug	8.03	7.58	6.69	6.02
506-MTG106F	MTG106F	I	SPDT	On-None-(On)	Wire lug	8.96	8.47	7.47	6.72
506-MTG106G	MTG106G	I	SPDT	(On)-Off-(On)	Wire lug	8.24	7.79	6.87	6.18
506-MTG206N	MTG206N	J	DPDT	On-None-On	Wire lug	5.87	5.54	4.89	4.40
506-MTG206P ∗	MTG206P	J	DPDT	On-Off-On	Wire lug	10.06	9.50	8.39	7.55
506-MTG206PA	MTG206PA	J	SP3T	On-On-On	Wire lug	11.81	11.15	9.84	8.86
506-MTG306D	MTG306D	K	3PDT	On-None-On	Wire lug	14.40	13.60	12.00	10.80
506-MTG406P	MTG406P	L	4PDT	On-Off-On	Wire lug	18.14	17.14	15.12	13.61
Accessories for MTG Series			**Description**						
506-B15320	B15320	M	Black 15/32-32 toggle switch boot seal			4.03	3.66	3.02	2.65
506-BT15320	BT15320	N	Black 15/32-32 toggle switch boot seal			4.03	3.66	3.02	2.65

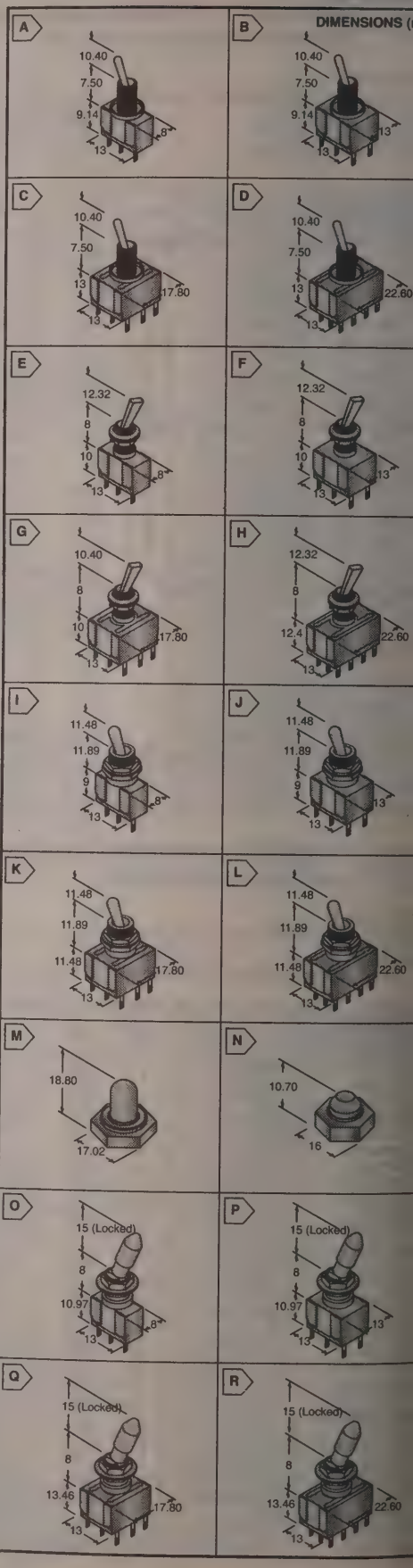
ALCOSWITCH MTL SERIES (GREEN SERIES) 6A MINIATURE LOCKING TOGGLE SWITCHES

Specifications:

- Contact rating: 6 A @ 125 VAC, 3 A @ 250 VAC
- Terminal seal: Insert molded
- Contact material: Gold flash over silver
- Mechanical Life Expectancy: 2 Pos. - 150,000; 3 Pos. - 100,000; 4 Pos. - 60,000 hrs.
- Actuation force: .05-1.5 kg
- Actuator Travel: 24°
- High torque bushing shoulder standard
- Contact timing: Break before make

∗ PA types have case .100" (2.5mm) longer than other types — ( ) Momentary — For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Price Each			
						1	25	50	100
506-MTL106D	MTL106D	O	SPDT	On-None-On	Wire lug	6.01	5.68	5.01	4.51
506-MTL106E	MTL106E	O	SPDT	On-Off-On	Wire lug	6.89	6.51	5.75	5.17
506-MTL206N	MTL206N	P	DPDT	On-None-On	Wire lug	9.99	9.44	8.33	7.49
506-MTL206P	MTL206P	P	DPDT	On-Off-On	Wire lug	13.91	13.14	11.60	10.44
506-MTL206PA ∗	MTL206PA	P	SP3T	On-On-On	Wire lug	16.13	15.23	13.44	12.10
506-MTL306D	MTL306D	Q	3PDT	On-None-On	Wire lug	10.84	10.23	9.03	8.13
506-MTL406N	MTL406N	R	4PDT	On-None-On	Wire lug	18.36	17.34	15.30	13.77
506-MTL406PA ∗	MTL406PA	R	DP3T	On-On-On	Wire lug	25.16	23.77	20.97	18.87



ALCOSWITCH TT/TTE SERIES: TINY TOGGLE SWITCHES

fications:

tact rating: Gold - 0.4VA; Silver - 3A
minal seal: Epoxy on single pole, optional on double pole
tact material: Gold over nickel or silver plate
ectric strength: 1000 Vrms

- TTE is splashproof
- Actuator Travel: 26°
- High torque bushing shoulder standard
- Contact timing: Break before make

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Contact Material	Price Each 1	25	50	100
Unthreaded Bushing										
TT11AGPC1	TT11AGPC1	A	SPST	On-None-Off	PC term	Gold	6.98	6.60	5.82	5.24
TT11DGPC1	TT11DGPC1	A	SPST	On-None-On	PC term	Gold	4.81	4.54	4.01	3.60
TT11EGPC1	TT11EGPC1	A	SPDT	On-None-(On)	PC term	Gold	7.09	6.70	5.91	5.32
TT21NGPC1	TT21NGPC1	B	DPDT	On-None-On	PC term	Gold	8.55	8.08	7.13	6.41
TT21PGPC1	TT21PGPC1	B	DPDT	On-Off-On	PC term	Gold	11.38	10.74	9.48	8.53
TT11DGRA1	TT11DGRA1	C	SPDT	On-None-On	PC term R/A	Gold	4.54	4.28	3.78	3.40
TT21NGRA1	TT21NGRA1	D	DPDT	On-None-On	PC term R/A	Gold	9.14	8.64	7.62	6.86
TT41NGRA1	TT41NGRA1	E	4PDT	On-None-On	PC term R/A	Gold	15.53	14.67	12.95	11.65
TT11DGVRA1	TT11DGVRA1	F	SPDT	On-None-On	PC term Vert. R/A	Gold	6.08	5.75	5.07	4.56
1/4-40 Bushing										
TT11AGPC9T1/4	TT11AGPC9T1/4	G	SPST	On-None-Off	PC term	Gold	13.19	12.46	11.00	9.90
TT11DGPC9T1/4	TT11DGPC9T1/4	G	SPDT	On-None-On	PC term	Gold	7.31	6.90	6.09	5.48
TT21NGPC9T1/4	TT21NGPC9T1/4	H	DPDT	On-None-On	PC term	Gold	9.92	9.37	8.27	7.44
TT41NGPC9T1/4	TT41NGPC9T1/4	I	4PDT	On-None-On	PC term	Gold	17.28	16.32	14.40	12.96
TT13A9T1/4	TT13A9T1/4	J	SPST	On-None-Off	Wire lug	Silver	11.79	11.14	9.83	8.84
TT13D7T1/4	TT13D7T1/4	K	SPDT	On-None-On	Wire lug	Silver	17.28	16.32	14.40	12.96
TT23K9T1/4	TT23K9T1/4	L	DPST	On-None-Off	Wire lug	Silver	11.34	10.71	9.45	8.51
10-48 Bushing										
TT13A2T	TT13A2T	M	SPST	On-None-Off	Wire lug	Silver	9.00	8.50	7.50	6.75
TT13A3T	TT13A3T	N	SPST	On-None-Off	Wire lug	Silver	8.44	7.97	7.04	6.33
TT13D2T	TT13D2T	M	SPDT	On-None-On	Wire lug	Silver	6.50	6.14	5.42	4.87
TT13E3T	TT13E3T	N	SPDT	On-Off-On	Wire lug	Silver	8.86	8.36	7.38	6.64
TT23N2T	TT23N2T	O	DPDT	On-None-On	Wire lug	Silver	9.13	8.62	7.61	6.84
TT23N3T	TT23N3T	P	DPDT	On-None-On	Wire lug	Silver	12.47	11.78	10.40	9.36
TT23P3T	TT23P3T	P	DPDT	On-Off-On	Wire lug	Silver	16.54	15.62	13.79	12.41
TT21NGWW2T	TT21NGWW2T	Q	DPDT	On-None-On	Wire wrap	Gold	15.68	14.81	13.07	11.76
TT43N2T	TT43N2T	R	4PDT	On-None-On	Wire lug	Silver	16.31	15.40	13.59	12.23
essories for TT and TTE Series					**Description**					
B14400	B14400	V		Black 1/4-40 toggle switch boot seal			2.93	2.66	2.19	1.93
BT14400	BT14400	W		Black 1/4-40 toggle switch boot seal			4.03	3.66	3.02	2.65

For quantities of 500 and up, call for quote.

10-48 Bushing										
TTE13DG2T	TTE13DG2T	M	SPST	On-None-On	Wire lug	Gold	24.95	23.56	20.79	18.71
TTE41NGWW2T	TTE41NGWW2T	S	4PDT	On-None-On	Wire wrap	Gold	47.16	44.54	39.30	35.37
ding Actuator w/ 1/4-40 Bushing										
TTE13D8T1/4	TTE13D8T1/4	T	SPST	On-None-On	Wire lug	Silver	62.64	59.16	52.20	46.98
TTE23N8T1/4	TTE23N8T1/4	U	DPST	On-None-On	Wire lug	Silver	67.07	59.62	55.89	52.17

essories for Toggle Switch

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	Alcoswitch Part No.	Fig.	Fits Series	Description	Price Each 1	25	50	100
B15320	B15320	X	MTG	Black 15/32-32 toggle switch boot seal	4.03	3.66	3.02	2.65
BT15320	BT15320	Y	MTG	Black 15/32-32 toggle switch boot seal	4.03	3.66	3.02	2.65

APEM 600 H SERIES POWER TOGGLE SWITCHES

ifications:

er terminals
omentary contact

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Type	Function	Contact Rating	Price Each 1	25	100	500
-631H2	631H2	Z	SPST	On-None-Off	15A	4.98	3.98	3.48	2.99
-636H2	636H2	Z	SPDT	On-None-On	15A	5.93	4.74	4.15	3.56
-637H2	637H2	Z	SPDT	(On)-Off-(On)	15A	6.28	5.02	4.39	3.77
-638H2	638H2	Z	SPDT	On-Off-(On)	15A	6.28	5.02	4.39	3.77
-639H2	639H2	Z	SPDT	On-Off-On	15A	6.03	4.82	4.22	3.62
-641H2	641H2	Z	DPST	On-None-Off	15A	8.45	6.76	5.92	5.07
-644H2	644H2	Z	DPDT	On-On-On	15A	10.73	8.58	7.51	6.44
-646H2	646H2	Z	DPDT	On-None-On	15A	10.13	8.10	7.09	6.08
-647H2	647H2	Z	DPDT	(On)-Off-(On)	15A	10.73	8.58	7.51	6.44
-648H2	648H2	Z	DPDT	On-Off-(On)	15A	10.73	8.58	7.51	6.44
-649H2	649H2	Z	DPDT	On-Off-On	15A	10.30	8.24	7.21	6.18
-651H2	651H2	AA	3PST	On-None-Off	15A	14.65	11.72	10.26	8.79
-656H2	656H2	AA	3PDT	On-None-On	15A	16.65	13.32	11.66	9.99
-657H2	657H2	AA	3PDT	(On)-Off-(On)	15A	17.70	14.16	12.39	10.62
-658H2	658H2	AA	3PDT	On-Off-(On)	15A	17.88	14.30	12.51	10.73
-659H2	659H2	AA	3PDT	On-Off-On	15A	17.00	13.60	11.90	10.20

APEM 600 NH SERIES POWER TOGGLE SWITCHES

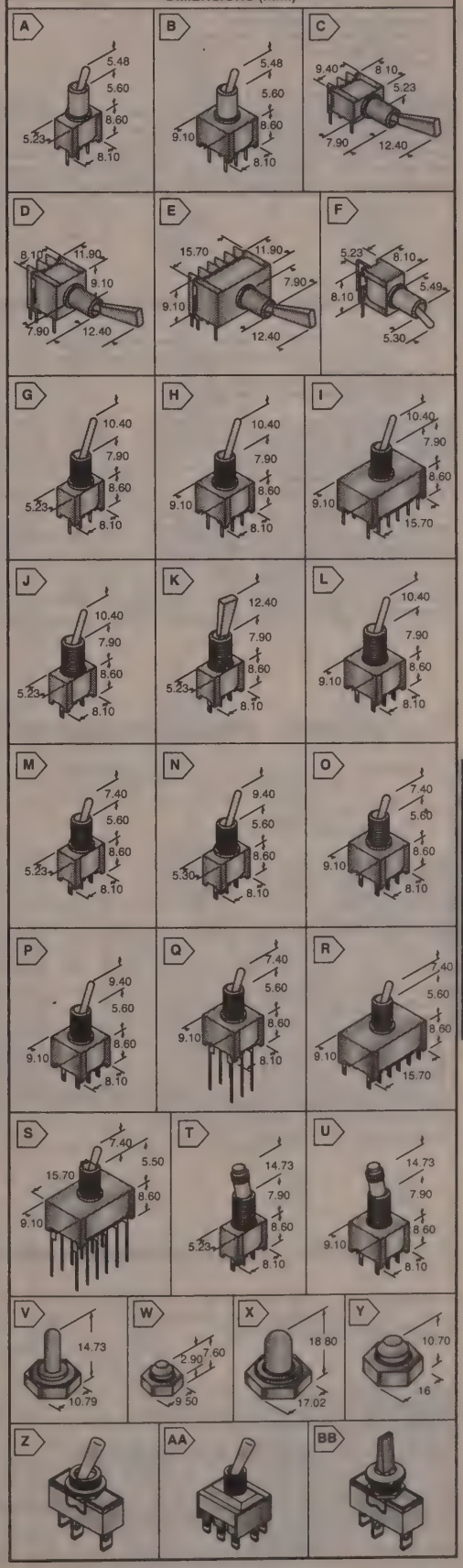
ifications:

tact ratings: Functions: ON-OFF and ON-ON; 15A 250VAC, 20A 125VAC or 10A 24VDC
Functions: ON-OFF-ON; 15A 250VAC, 20A 125VAC or 10A 24VDC
rating temp. range: -20°C to +55°C
tact resistance: 10 mΩ max. • Solder terminals
lomentary contact

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Apem Part No.	Fig.	Type	Function	Contact Rating	Price Each 1	25	100	500
-631NH2	631NH2	BB	SPST	On-None-Off	15A	4.98	3.98	3.48	2.99
-636NH2	636NH2	BB	SPDT	On-None-On	15A	5.93	4.74	4.15	3.56
-637NH2	637NH2	BB	SPDT	(On)-Off-(On)	15A	6.28	5.02	4.39	3.77
-638NH2	638NH2	BB	SPDT	On-Off-(On)	15A	6.28	5.02	4.39	3.77
-639NH2	639NH2	BB	SPDT	On-Off-On	15A	6.03	4.82	4.22	3.62

DIMENSIONS (mm.)



C&K Toggle Switches

GT SERIES: SEALED ULTRAMINIATURE TOGGLE SWITCHES

- Contact Material: Gold Terminal Plating
- Internal O-ring seal standard with all actuators
- Epoxy sealed termination
- Lead Free

- Contact Rating: 0.4VA @ 20VAC or DC max.
- Case and actuator material: Glass filled nylon (UL 94V-0)
- Body Height: .210"

( ) = Momentary

LEAD-FREE

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit	Mounting Type	Bushing Height	Contact Material	Price Each 1	25	100	250
611-GT11MSCBE	GT11MSCBE	A	SPDT	On-On	Surface mount	.150" high/.063" high	Gold	5.08	4.64	4.06	3.14
611-GT12MSCBE	GT12MSCBE	A	SPST	Off-On	Surface mount	.150" high/.063" high	Gold	5.50	5.02	4.40	3.39
611-GT11MABE	GT11MABE	B	SPDT	On-On	R/A PC thru-hole	.150" high/.063" high	Gold	5.27	4.82	4.21	3.24

E SERIES: SEALED MINIATURE TOGGLE SWITCHES

- Contact Material: B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  G- Coin Ag, w/ Au plate over Ni plate, Au plate terminal
- Epoxy sealed termination
- Actuator material: Chrome plated brass
- Internal O-ring seal standard with all actuators

- Contact Rating: 0.4VA @ 20VAC or DC max.
- Case and bushing material: Glass filled nylon
- Unthreaded bushing

( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit	Mounting Type	Bushing Height	Contact Material	Price Each 1	25	100	250
Standard Round Actuator (.300" high)											
611-E101-001	E101MD1ABE	C	SPDT	On-On	R/A PC thru-hole	.250" high	B	4.85	4.43	3.88	3.05
611-E201-002	E201MD1AV2BE	D	DPDT	On-On	R/A PC thru-hole	.250" high	B	8.16	7.46	6.52	5.24
611-E203-002	E203MD1AV2BE	D	DPDT	On-Off-On	R/A PC thru-hole	.250" high	B	9.08	8.30	7.27	5.82
Long Round Actuator (.500" high)											
611-E101-004	E101SD1ABE	C	SPDT	On-On	R/A PC thru-hole	.250" high	B	4.85	4.43	3.88	3.05
611-E101-003	E101SD1CBE	E	SPDT	On-On	PC thru-hole	.250" high	B	4.52	4.13	3.61	2.76
611-E105-003	E105SD1CBE	E	SPDT	(On)-Off-(On)	PC thru-hole	.250" high	B	5.43	4.96	4.34	3.32
611-E201-003	E201SD1CBE	E	DPDT	On-On	PC thru-hole	.250" high	B	6.98	6.38	5.59	4.23

ET SERIES: SEALED SUBMINIATURE TOGGLE SWITCHES

- Contact Material: B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  K- Cu alloy, w/ Au plate over Ni plate, SnPb plate terminal
  G- Coin Ag, w/ Au plate over Ni plate, Au plate terminal
- Epoxy sealed termination
- Actuator material: Chrome plated brass
- Internal O-ring seal standard with all actuators

- Contact Rating: B & K- 0.4VA @ 20VAC or DC max.
  G- 0.4VA @ 20VAC or DC max. or
  5A @ 120VAC; 2A @ 250VAC
- Case and bushing material: Glass filled nylon
- Unthreaded bushing

( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit	Mounting Type	Bushing Height	Contact Material	Price Each 1	25	100	250
Standard Round Actuator (.240" high)											
611-ET01-011	ET01MD1ABE	F	SPDT	On-On	R/A PC thru-hole	.177" high	B	5.30	4.85	4.24	3.32
611-ET01-006	ET01MD1AGE	F	SPDT	On-On	R/A PC thru-hole	.177" high	G	5.55	5.07	4.44	3.53
611-ET01-002	ET01MD1AVBE	D	SPDT	On-On	R/A PC thru-hole	.177" high	B	5.62	5.14	4.49	3.59
611-ET01-001	ET01MD1CBE	E	SPDT	On-On	PC thru-hole	.177" high	B	4.97	4.54	3.98	3.03
611-ET01-012	ET01MD1SAKE	G	SPDT	On-On	R/A Surface mount	.177" high	K	5.86	5.36	4.69	3.80
611-ET01-013	ET01MD1V3BE	H	SPDT	On-On	V bracket	.177" high	B	5.30	4.85	4.24	3.32
611-ET03-011	ET03MD1ABE	F	SPDT	On-Off-On	R/A PC thru-hole	.177" high	B	5.95	5.44	4.76	3.71
611-ET08-011	ET08MD1ABE	F	SPDT	On-(On)	R/A PC thru-hole	.177" high	B	5.95	5.44	4.76	3.71
Round Actuator (.320" high)											
611-ET01-005	ET01LD1CBE	E	SPDT	On-On	PC thru-hole	.177" high	B	4.97	4.54	3.98	3.03
Long Round Actuator (.400" high)											
611-ET01-003	ET01SD1CBE	E	SPDT	On-On	PC thru-hole	.177" high	B	4.97	4.54	3.98	3.03
611-ET01-004	ET01SD1ABE	F	SPDT	On-On	R/A PC thru-hole	.177" high	B	5.30	4.85	4.24	3.32

T SERIES: SEALED SUBMINIATURE TOGGLE SWITCHES

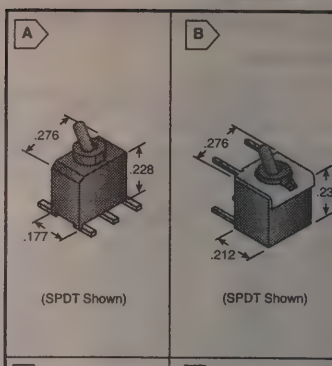
- Contact Material: B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  Q- Cu alloy, w/ Ag plate, Ag plate terminal
- Actuator material: Chrome plated brass
- Housing material: Stainless steel

- Contact Rating: B- 0.4VA @ 20VAC or DC max.
  Q- 5A @ 120VAC; 2A @ 250VAC
- Bushing material: Nickel plated brass
- Case material: Glass filled nylon or DAP

( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit	Mounting Type	Bushing Height	Contact Material	Price Each 1	25	100	250
Standard Round Actuator (.370" high), Threaded Bushing											
611-T101-001	T101SHCQE	I	SPDT	On-On	PC thru-hole	.220" high, flat	Q	4.62	4.22	3.70	2.75
611-T103-001	T103SHCQE	I	SPDT	On-Off-On	PC thru-hole	.220" high, flat	Q	5.55	5.07	4.44	3.30
611-T103-002	T103SHZQE	J	SPDT	On-Off-On	Solder lug	.220" high, flat	Q	5.65	5.17	4.52	3.39
Short Round Actuator (.210" high), Unthreaded Bushing											
611-T101-004	T101MH9ABE	F	SPDT	On-On	R/A PC thru-hole	.220" high, flat	B	4.97	4.54	3.98	3.05
611-T101-005	T101MH9AVBE	D	SPDT	On-On	R/A PC thru-hole	.220" high, flat	B	5.16	4.72	4.13	3.21



MOUSER ELECTRONICS
a tti company
(800) 346-6873

7000 SERIES MINIATURE TOGGLE SWITCHES, PANEL MOUNT

cifications:

ntact material:
- B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
- K- Cu alloy, w/ Au plate over Ni plate, SnPb plate terminal
- Q- Cu alloy, w/ Ag plate, Ag plate terminal
- G- Coin Ag, w/ Au plate over Ni plate, Au plate terminal

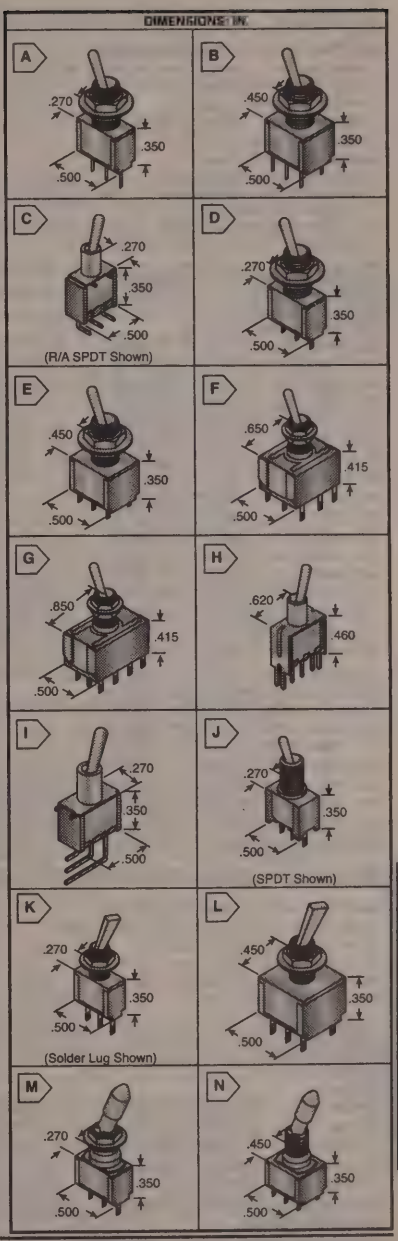
- Contact rating:
  - B & K- 0.4VA @ 20VAC or DC max.
  - Q- 5A @ 120VAC; 2A @ 250VAC
  - G- 0.4VA @ 20VAC or DC max. or 5A @ 120VAC @ 250VAC

nthreaded bushing ( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit	Termination	Bushing	Contact Material	Price Each 1	25	100	250
ndard Round Actuator (.420" high)											
-7101-054	7101SYCBE	A	SPDT	On-On	PC thru-hole	.350" high, keyway	B	4.36	3.98	3.49	2.53
-7101-002	7101SYCQE	A	SPDT	On-On	PC thru-hole	.350" high, keyway	Q	4.36	3.98	3.49	2.53
-7103-002	7103SYCQE	A	SPDT	On-Off-On	PC thru-hole	.350" high, keyway	Q	4.90	4.48	3.92	2.79
-7105-002	7105SYCQE	A	SPDT	(On)-Off-(On)	PC thru-hole	.350" high, keyway	Q	5.15	4.70	4.12	2.84
-7107-002	7107SYCQE	A	SPDT	On-Off-(On)	PC thru-hole	.350" high, keyway	Q	5.15	4.70	4.12	2.84
-7201-054	7201SYCBE	B	DPDT	On-On	PC thru-hole	.350" high, keyway	B	6.28	5.74	5.03	3.74
-7201-002	7201SYCQE	B	DPDT	On-On	PC thru-hole	.350" high, keyway	Q	6.28	5.74	5.03	3.74
-7101-075	7101SD9CQE	C	SPDT	On-On	PC thru-hole	.280" high, keyway	Q	4.36	3.98	3.49	2.53
-7101-004	7101SD9ABE	C	SPDT	On-On	R/A PC thru-hole	.280" high, keyway	B	4.69	4.29	3.75	2.80
-7101-007	7101SH3ZQE	D	SPDT	On-On	Solder lug	.296" high, flat	Q	5.29	4.83	4.23	3.28
-7101-005	7101SYZBE	D	SPDT	On-On	Solder lug	.350" high, keyway	B	4.27	3.90	3.42	2.46
-7101-006	7101SYZGE	D	SPDT	On-On	Solder lug	.350" high, keyway	G	4.50	4.11	3.60	2.65
-7101-001	7101SYZQE	D	SPDT	On-On	Solder lug	.350" high, keyway	Q	4.27	3.90	3.42	2.46
-7103-005	7103SYZBE	D	SPDT	On-Off-On	Solder lug	.350" high, keyway	B	4.81	4.40	3.85	2.72
-7103-001	7103SYZQE	D	SPDT	On-Off-On	Solder lug	.350" high, keyway	Q	4.81	4.40	3.85	2.72
-7105-001	7105SYZQE	D	SPDT	(On)-Off-(On)	Solder lug	.350" high, keyway	Q	5.06	4.62	4.05	2.77
-7107-001	7107SYZQE	D	SPDT	On-Off-(On)	Solder lug	.350" high, keyway	Q	5.06	4.62	4.05	2.77
-7201-005	7201SYZBE	E	DPDT	On-On	Solder lug	.350" high, keyway	B	6.14	5.62	4.91	3.63
-7201-001	7201SYZQE	E	DPDT	On-On	Solder lug	.350" high, keyway	Q	6.14	5.62	4.91	3.63
-7207-001	7207SYZQE	E	DPDT	On-Off-(On)	Solder lug	.350" high, keyway	Q	7.23	6.61	5.78	4.17
-7211-001	7211SYZQE	E	DPDT	On-On-On	Solder lug	.350" high, keyway	Q	7.61	6.96	6.09	4.38
-7301-001	7301SYZQE	F	3PDT	On-On	Solder lug	.350" high, keyway	Q	10.69	9.78	8.55	6.17
-7303-001	7303SYZQE	F	3PDT	On-Off-On	Solder lug	.350" high, keyway	Q	11.34	10.37	9.07	6.52
-7401-001	7401SYZQE	G	4PDT	On-On	Solder lug	.350" high, keyway	Q	14.82	13.55	11.86	8.54
-7101-076	7101SD9V3BE	H	SPDT	On-On	V bracket	.280" high, keyway	B	5.04	4.61	4.03	3.08
ndard Round Actuator (.420" high), Splashproof Bushing											
-7101-071	7101SCWZQE	D	SPDT	On-On	Solder lug	.294" high, flat	Q	5.18	4.74	4.14	3.19
-7105-071	7105SCWZQE	D	SPDT	(On)-Off-(On)	Solder lug	.294" high, flat	Q	5.97	5.46	4.77	3.50
-7201-071	7201SCWZQE	E	DPDT	On-On	Solder lug	.294" high, flat	Q	7.05	6.45	5.64	4.35
ort Round Actuator (.200" high)											
-7101-063	7101MDCQE	A	SPDT	On-On	PC thru-hole	.280" high, keyway	Q	4.36	3.98	3.49	2.53
-7101-051	7101MD9ABE	C	SPDT	On-On	R/A PC thru-hole	.280" high, keyway	B	4.69	4.29	3.75	2.80
-7101-053	7101MD9AQE	C	SPDT	On-On	R/A PC thru-hole	.280" high, keyway	Q	4.69	4.29	3.75	2.80
-7101-061	7101MD9AV2BE	I	SPDT	On-On	R/A PC thru-hole	.280" high, keyway	B	4.88	4.46	3.91	2.95
-7103-061	7103MD9AV2BE	I	SPDT	On-Off-On	R/A PC thru-hole	.280" high, keyway	B	5.43	4.96	4.34	3.21
-7105-051	7105MD9ABE	C	SPDT	(On)-Off-(On)	R/A PC thru-hole	.280" high, keyway	B	5.48	5.01	4.38	3.11
-7201-051	7201MD9ABE	C	DPDT	On-On	R/A PC thru-hole	.280" high, keyway	B	6.91	6.32	5.53	4.24
-7101-064	7101MDZQE	J	SPDT	On-On	Solder lug	.280" high, keyway	Q	4.27	3.90	3.42	2.46
-7101-065	7101MYZQE	J	SPDT	On-On	Solder lug	.350" high, keyway	Q	4.27	3.90	3.42	2.46
-7201-064	7201MDZQE	J	DPDT	On-On	Solder lug	.280" high, keyway	Q	6.14	5.62	4.91	3.63
-7101-062	7101MD9V3QE	H	SPDT	On-On	V bracket	.280" high, keyway	Q	5.04	4.61	4.03	3.08
-7103-062	7103MD9V3BE	H	SPDT	On-Off-On	V bracket	.280" high, keyway	B	5.58	5.10	4.47	3.33
ng Round Actuator (.640" high)											
-7201-041	7201L1YZQE	E	DPDT	On-On	Solder lug	.350" high, keyway	Q	6.14	5.62	4.91	3.63
tted, Anti-Rotation Actuator (.450" high)											
-7101-022	7101P3YCQE	K	SPDT	On-On	PC thru-hole	.350" high, keyway	Q	5.50	5.02	4.40	3.44
-7105-022	7105P3YCQE	K	SPDT	(On)-Off-(On)	PC thru-hole	.350" high, keyway	Q	6.28	5.74	5.03	3.75
-7101-021	7101P3YZQE	K	SPDT	On-On	Solder lug	.350" high, keyway	Q	5.41	4.94	4.33	3.37
-7103-021	7103P3YZQE	K	SPDT	On-Off-On	Solder lug	.350" high, keyway	Q	5.95	5.44	4.76	3.63
-7201-025	7201P3YZBE	L	DPDT	On-On	Solder lug	.350" high, keyway	B	7.28	6.66	5.82	4.54
-7201-021	7201P3YZQE	L	DPDT	On-On	Solder lug	.350" high, keyway	Q	7.28	6.66	5.82	4.54
-7205-021	7205P3YZQE	L	DPDT	(On)-Off-(On)	Solder lug	.350" high, keyway	Q	8.17	7.47	6.54	4.97
-7207-021	7207P3YZQE	L	DPDT	On-Off-(On)	Solder lug	.350" high, keyway	Q	8.37	7.65	6.69	5.08
rge Round Actuator (.687" high)											
-7101-081	7101TZQE	D	SPDT	On-On	Solder lug	.448" high, keyway	Q	5.97	5.46	4.77	3.82
-7201-081	7201TZQE	E	DPDT	On-On	Solder lug	.448" high, keyway	Q	7.84	7.17	6.27	4.98
-7203-081	7203TZQE	E	DPDT	On-Off-On	Solder lug	.448" high, keyway	Q	8.73	7.98	6.99	5.42
cking Actuator (.704" high)											
-7101-031	7101K2ZQE	M	SPDT	On-On	Solder lug	.260" high, keyway	Q	6.46	5.90	5.17	4.21
-7201-031	7201K2ZQE	N	DPDT	On-On	Solder lug	.260" high, keyway	Q	8.33	7.62	6.66	5.38
-7203-031	7203K2ZQE	N	DPDT	On-Off-On	Solder lug	.260" high, keyway	Q	9.22	8.43	7.38	5.81

DIMENSIONS: IN.



TOGGLE SWITCHES

0 Series: Quick-Make, Quick-Break Toggle Switches

atings: 6A @ 125VAC, except 2BB62-73 which has 6A @ 125VAC rating

ctuator/bushing material: Brass/Nickel plate

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Termination	Price Each 1	25	50
1-110-73	110-73	A	SPST	ON-OFF	Solder lug	4.23	3.88	3.63
1-110-S-73	110-S-73	A	SPST	ON-OFF	Screw terminal	5.68	5.21	4.87
1-111-16-73	111-16-73	A	SPST	ON-OFF	Wire leads	5.68	5.21	4.87
1-2BB62-73	2BB62-73	B	SPDT	ON-OFF	Solder lug	5.34	4.90	4.58
1-2BL62-73	2BL62-73	C	DPDT	ON-ON	Solder lug	8.82	8.08	7.57

nd G Series: Slow-Make, Slow-Break Toggle Switches

atings: 10A @ 250VAC/15A @ 125VAC/3/4HP 120-240VAC

ctuator/bushing material: Brass/Nickel plate

For quantities of 100 and up, call for quote.

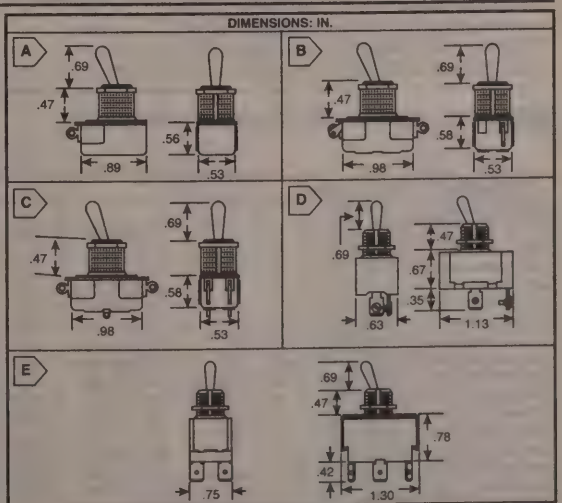
1-2FA53-73/TABS	2FA53-73/TABS	D	SPST	ON-OFF	.250 QC tabs	3.59	3.29	3.08
1-2FA54-73	2FA54-73	D	SPST	ON-OFF	Screw terminal	4.11	3.77	3.53
1-2FC53-73/TABS	2FC53-73/TABS	D	SPDT	ON-OFF-ON	.250 QC tabs	4.41	4.04	3.78
1-6FC54-73	6FC54-73	D	SPDT	ON-OFF-ON	Screw terminal	7.22	6.62	6.20
1-2GK51-73	2GK51-73	E	DPST	ON-OFF	.250 QC tabs	5.68	5.21	4.87
1-2GM51-73	2GM51-73	E	DPDT	ON-OFF-ON	.250 QC tabs	6.79	6.22	5.83

tional Lock Washer

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Description	Price Each 1	25	50
-728-15907	728-15907	Lock Washer	.30	.26	.21

DIMENSIONS: IN.

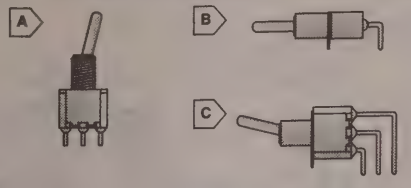


Miniature Toggle Switches

E-SWITCH • MINIATURE TOGGLE SWITCHES, 100 AND 100A SERIES

Specifications for 100 and 100A Series:
- Contact resistance: 10mΩ max. initial @ 2-4VDC 100mA for both silver and gold plated contacts.
- Insulation resistance: 1,000MΩ min.
- Dielectric strength: 1,000VRMS @ sea level
- Operating temperature: -30°c to 85°C

Contact Material Options:
- **Q** - Fixed terminal and moving contact: silver plated over copper alloy
  Contact rating: 5A with resistive load @ 120VAC or 28VDC, 2A with resistive load @ 250VAC
- **R** - Fixed terminal and moving contact: copper alloy with gold plate over nickel plate
  Contact rating: 0.4VA max. @ 20V max. (AC or DC)



( ) = Momentary

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Options			Contact Material Options	Price Each			
					Actuator	Bush.	Term.		1	10	50	100
100 Series - Metal Bushing												
612-100-A1421	100SP1T1B4M2QE	A	SPDT	On-On	T1	B4	M2	Q	3.12	2.87	2.34	1.87
612-100-A2111	100SP1T2B1M1QE	A	SPDT	On-On	T2	B1	M1	Q	3.12	2.87	2.34	1.87
612-100-A1112	100SP1T1B1M1RE	A	SPDT	On-On	T1	B1	M1	R	3.39	3.12	2.54	2.03
612-100-A1122	100SP1T1B1M2RE	A	SPDT	On-On	T1	B1	M2	R	3.39	3.12	2.54	2.03
612-100-A2472	100SP1T2B4M7RE	C	SPDT	On-On	T2	B4	M7	R	4.88	4.49	3.66	2.93
612-100-A6461	100SP1T6B12M6RE	B	SPDT	On-On	T6	B12	M6	R	5.72	5.26	4.29	3.43
612-100-A1482	100SP1T1B4VS2RE	A	SPDT	On-On	T1	B4	VS2	R	4.59	4.22	3.44	2.75
612-100-C1112	100SP3T1B1M1RE	A	SPDT	On-Off-On	T1	B1	M1	R	3.78	3.48	2.84	2.27
612-100-C1462	100SP3T1B4M6RE	B	SPDT	On-Off-On	T1	B4	M6	R	4.94	4.54	3.71	2.96
612-100-D1111	100SP4T1B1M1QE	A	SPDT	(On)-Off-(On)	T1	B1	M1	Q	3.98	3.66	2.99	2.39
612-100-D1121	100SP4T1B1M2QE	A	SPDT	(On)-Off-(On)	T1	B1	M2	Q	3.98	3.66	2.99	2.39
612-100-D6121	100SP4T6B11M2QE	A	SPDT	(On)-Off-(On)	T6	B11	M2	Q	5.15	4.74	3.86	3.09
612-100-E1111	100SP5T1B1M1QE	A	SPDT	On-Off-(On)	T1	B1	M1	Q	4.21	3.87	3.16	2.53
612-100-E2462	100SP5T2B4M6RE	B	SPDT	On-Off-(On)	T2	B4	M6	R	5.65	5.20	4.24	3.39
612-100-L1111	100DP6T1B1M1QE	A	DPDT	On-On-On	T1	B1	M1	Q	6.28	5.78	4.71	3.77
612-100-F1111	100DP1T1B1M1QE	A	DPDT	On-On	T1	B11	M1	Q	4.17	3.84	3.13	2.50
612-100-F1112	100DP1T1B1M1RE	A	DPDT	On-On	T1	B11	M1	R	4.60	4.23	3.45	2.76
612-100-F1122	100DP1T1B1M2RE	A	DPDT	On-On	T1	B1	M2	R	4.60	4.23	3.45	2.76
100A Series - Sealed (Plastic Bushing)												
612-100A-A1422	100AWSP1T1B4M2R	A	SPDT	On-On	T1	B4	M2	R	4.17	3.84	3.13	2.50
612-100A-A2462	100AWSP1T2B4M6R	B	SPDT	On-On	T2	B4	M6	R	5.61	5.16	4.21	3.37
612-100A-C1422	100AWSP3T1B4M2R	A	SPDT	On-Off-On	T1	B4	M2	R	4.56	4.20	3.42	2.74
612-100A-C2472	100AWSP3T2B4M7R	C	SPDT	On-Off-On	T2	B4	M7	R	6.37	5.86	4.78	3.82
612-100A-D1422	100AWSP4T1B4M2R	A	SPDT	(On)-Off-(On)	T1	B4	M2	R	5.11	4.70	3.83	3.07
612-100A-D2412	100AWSP4T2B4M1R	A	SPDT	(On)-Off-(On)	T2	B4	M1	R	5.11	4.70	3.83	3.07
612-100A-D2462	100AWSP4T2B4M6R	B	SPDT	(On)-Off-(On)	T2	B4	M6	R	6.55	6.03	4.91	3.93
612-100A-D2472	100AWSP4T2B4M7R	C	SPDT	(On)-Off-(On)	T2	B4	M7	R	6.92	6.37	5.19	4.15

E-SWITCH • SUB-MINIATURE TOGGLE SWITCHES, 200 AND 200A SERIES

Specifications for 200 and 200A Series:
- Contact resistance: 20mΩ max. initial @ 2-4VDC 100mA for both silver and gold plated contacts.
- Insulation resistance: 1,000MΩ min.
- Dielectric strength: 1,000VRMS @ sea level
- Operating temperature: -30°c to 85°C

Contact Material Options:
- **Q** - Fixed terminal and moving contact: silver plated over copper alloy
  Contact rating: 5A with resistive load @ 120VAC or 28VDC, 2A with resistive load @ 250VAC
- **R** - Fixed terminal and moving contact: copper alloy with gold plate over nickel plate
  Contact rating: 0.4VA max. @ 20V max. (AC or DC)

( ) = Momentary

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Options			Contact Material Options	Price Each			
					Actuator	Bush.	Term.		1	10	50	100
200 Series												
612-200-A1111	200MSP1T1B1M1QE	A	SPDT	On-On	T1	B1	M1	Q	3.16	2.91	2.37	1.90
612-200-A1121	200MSP1T1B1M2QE	A	SPDT	On-On	T1	B1	M2	Q	3.16	2.91	2.37	1.90
612-200-A2272	200MSP1T2B2M7RE	C	SPDT	On-On	T2	B2	M7	R	5.10	4.69	3.83	3.06
612-200-C1111	200MSP3T1B1M1QE	A	SPDT	On-Off-On	T1	B1	M1	Q	4.25	3.91	3.19	2.55
612-200-C1121	200MSP3T1B1M2QE	A	SPDT	On-Off-On	T1	B1	M2	Q	4.25	3.91	3.19	2.55
612-200-C2262	200MSP3T2B2M6RE	B	SPDT	On-Off-On	T2	B2	M6	R	5.80	5.34	4.35	3.48
200A Series-Sealed												
612-200A-A2182	200AWMSP1T2A1VS2R	A	SPDT	On-On	T2	A1	VS2	R	4.22	3.88	3.17	2.53
612-200A-C1122	200AWMSP2T1A1M2R	A	SPDT	On-(On)	T1	A1	M2	R	5.08	4.67	3.81	3.05
612-200A-A2162	200AWMSP1T2A1M6R	B	SPDT	On-On	T2	A1	M6	R	5.43	5.00	4.07	3.26
612-200A-C2162	200AWMSP2T2A1M6R	B	SPDT	On-(On)	T2	A1	M6	R	6.53	6.01	4.90	3.92

ELECTROSWITCH • MINIATURE TOGGLE SWITCHES

( )Momentary

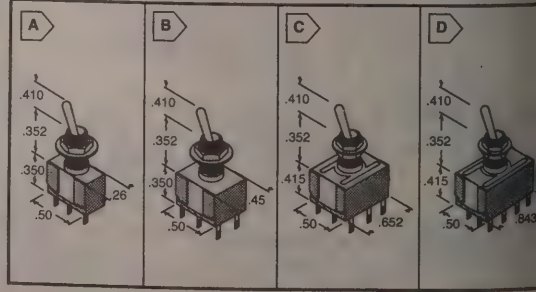
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Type	Circuit	Price Each				
					1	25	50	100	500
690-A121S1YZQ	A121S1YZQ	A	SPDT	On-Off-On	4.20	3.70	3.50	3.30	3.00
690-A123S1YZQ	A123S1YZQ	A	SPDT	On-None-On	3.78	3.33	3.15	2.97	2.70
690-A126S1YZQ	A126S1YZQ	A	SPDT	On-None-(On)	4.20	3.70	3.50	3.30	3.00
690-A127S1YZQ	A127S1YZQ	A	SPDT	(On)-Off-(On)	4.20	3.70	3.50	3.30	3.00
690-A131S1YZQ	A131S1YZQ	A	SPDT	On-Off-(On)	4.20	3.70	3.50	3.30	3.00
690-A221S1YZQ	A221S1YZQ	B	DPDT	On-Off-On	6.09	5.37	5.08	4.79	4.35
690-A223S1YZQ	A223S1YZQ	B	DPDT	On-None-On	5.46	4.81	4.55	4.29	3.90
690-A226S1YZQ	A226S1YZQ	B	DPDT	On-None-(On)	6.09	5.37	5.08	4.79	4.35
690-A227S1YZQ	A227S1YZQ	B	DPDT	(On)-Off-(On)	6.09	5.37	5.08	4.79	4.35
690-A232S1YZQ	A232S1YZQ	B	DPDT	On-On-On	6.72	5.92	5.60	5.28	4.80
690-A321S1YZQ	A321S1YZQ	C	3PDT	On-Off-On	10.08	8.88	8.40	7.92	7.20
690-A323S1YZQ	A323S1YZQ	C	3PDT	On-None-On	9.24	8.14	7.70	7.26	6.60
690-A327S1YZQ	A327S1YZQ	C	3PDT	(On)-Off-(On)	12.18	10.73	10.15	9.57	8.70
690-A421S1YZQ	A421S1YZQ	D	4PDT	On-Off-On	13.65	12.03	11.38	10.73	9.75
690-A423S1YZQ	A423S1YZQ	D	4PDT	On-None-On	12.81	11.29	10.68	10.07	9.15

Materials:
- Base (body): 1- and 2-pole - Diallyl Phthalate (DAP)
  3- and 4-pole - high strength phenolic
- Bushing: Brass, nickel plated
- Switching Contacts: Coin silver
- Center Terminal: Silver plated brass

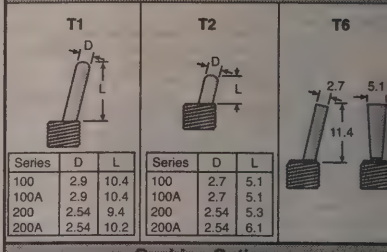
Power Rating:
- 6A @ 125 VAC
- 9A @ 250 VAC

DIMENSIONS: IN.



DIMENSIONS: mm

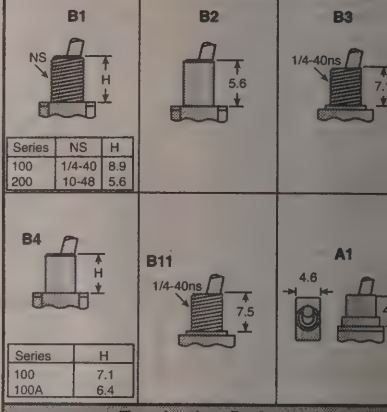
Actuator Options



Series	D	L
100	2.9	10.4
100A	2.9	10.4
200	2.54	9.4
200A	2.54	10.2

Series	D	L
100	2.7	5.1
100A	2.7	5.1
200	2.54	5.3
200A	2.54	6.1

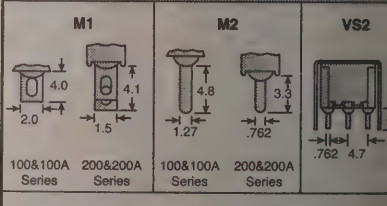
Bushing Options



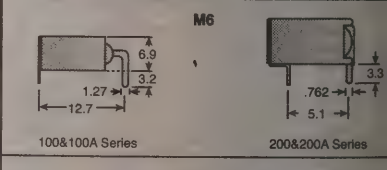
Series	NS	H
100	1/4-40	8.9
200	10-48	5.6

Series	H
100	7.1
100A	6.4

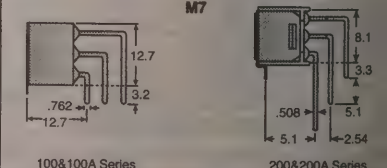
Termination Options



100&100A Series | 200&200A Series | 100&100A Series | 200&200A Series



100&100A Series | 200&200A Series



100&100A Series | 200&200A Series

MOUSER ELECTRONICS a ttl company

MOUNTAIN SWITCH Toggle Switches

IIATURE TOGGLE SWITCHES

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Width (W) (In.)	Type	Circuit	Price Each 1	10	100	500
" Toggle, 0.35" Threaded Bushing, Solder Lug Termination								
1MS1T1B1M1QE	A	0.27	SPDT	On-On	1.90	1.33	1.20	.95
1MS2T1B1M1QE	A	0.27	SPDT	On-(On)	2.05	1.43	1.29	1.02
1MS3T1B1M1QE	A	0.27	SPDT	On-Off-On	2.14	1.50	1.35	1.07
1MD1T1B1M1QE	A	0.45	DPDT	On-On	2.55	1.79	1.60	1.28
1MD2T1B1M1QE	A	0.45	DPDT	On-(On)	2.69	1.88	1.69	1.35
1MD3T1B1M1QE	A	0.45	DPDT	On-Off-On	2.98	2.08	1.87	1.49
1M31T1B1M1QE	A	0.65	3PDT	On-On	4.32	3.02	2.39	2.16
1M41T1B1M1QE	A	0.85	4PDT	On-On	6.74	4.72	3.66	3.37
" Toggle, 0.35" Threaded Bushing, PC Mount Termination								
1MS1T1B1M2QE	B	0.27	SPDT	On-On	1.90	1.33	1.20	.95
1MS2T1B1M2QE	B	0.27	SPDT	On-(On)	2.05	1.43	1.29	1.02
1MS3T1B1M2QE	B	0.27	SPDT	On-Off-On	2.14	1.50	1.35	1.07
1MD1T1B1M2QE	B	0.45	DPDT	On-On	2.55	1.79	1.60	1.28
1MD2T1B1M2QE	B	0.45	DPDT	On-(On)	2.69	1.88	1.69	1.35
1MD3T1B1M2QE	B	0.45	DPDT	On-Off-On	2.98	2.08	1.87	1.49
1M31T1B1M2QE	B	0.65	3PDT	On-On	4.32	3.02	2.39	2.16
1M41T1B1M2QE	B	0.85	4PDT	On-On	6.74	4.72	3.66	3.37
" Toggle, 0.28" Threaded Bushing, Solder Lug Termination								
1MS1T2B3M1QE	C	0.27	SPDT	On-On	1.90	1.33	1.20	.95
1MS2T2B3M1QE	C	0.27	SPDT	On-(On)	2.05	1.43	1.29	1.02
1MS3T2B3M1QE	C	0.27	SPDT	On-Off-On	2.14	1.50	1.35	1.07
1MD1T2B3M1QE	C	0.45	DPDT	On-On	2.55	1.79	1.60	1.28
1MD2T2B3M1QE	C	0.45	DPDT	On-(On)	2.69	1.88	1.69	1.35
1MD3T2B3M1QE	C	0.45	DPDT	On-Off-On	2.98	2.08	1.87	1.49
" Toggle, 0.28" Threaded Bushing, PC Mount Termination								
1MS1T2B3M2QE	D	0.27	SPDT	On-On	1.90	1.33	1.20	.95
1MS2T2B3M2QE	D	0.27	SPDT	On-(On)	2.05	1.43	1.29	1.02
1MS3T2B3M2QE	D	0.27	SPDT	On-Off-On	2.14	1.50	1.35	1.07
1MD1T2B3M2QE	D	0.45	DPDT	On-On	2.55	1.79	1.60	1.28
1MD2T2B3M2QE	D	0.45	DPDT	On-(On)	2.69	1.88	1.69	1.35
1MD3T2B3M2QE	D	0.45	DPDT	On-Off-On	2.98	2.08	1.87	1.49
" Horizontal Toggle, 0.28" Non-Threaded Bushing, Right Angle PC Mount								
1MS1T2B4M6QE	E	0.27	SPDT	On-On	2.75	1.93	1.63	1.38
1MS2T2B4M6QE	E	0.27	SPDT	On-(On)	2.91	2.03	1.72	1.45
1MS3T2B4M6QE	E	0.27	SPDT	On-Off-On	3.01	2.11	1.78	1.51
1MD1T2B4M6QE	E	0.45	DPDT	On-On	3.44	2.41	2.04	1.72
1MD2T2B4M6QE	E	0.45	DPDT	On-(On)	3.59	2.51	2.13	1.80
1MD3T2B4M6QE	E	0.45	DPDT	On-Off-On	3.89	2.72	2.30	2.05
" Vertical Toggle, 0.28" Non-Threaded Bushing, Right Angle PC Mount								
1MS1T2B4M7QE	F	0.27	SPDT	On-On	2.96	2.07	1.75	1.49
1MS2T2B4M7QE	F	0.27	SPDT	On-(On)	3.12	2.18	1.84	1.56
1MS3T2B4M7QE	F	0.27	SPDT	On-Off-On	3.22	2.25	1.90	1.61
1MD1T2B4M7QE	F	0.45	DPDT	On-On	3.65	2.55	2.16	1.83
1MD2T2B4M7QE	F	0.45	DPDT	On-(On)	3.80	2.66	2.25	1.90
1MD3T2B4M7QE	F	0.45	DPDT	On-Off-On	4.10	2.87	2.43	2.05
" Flat Toggle, 0.297" Threaded Bushing, Solder Lug Termination								
1MS1T6B11M1QE	G	0.27	SPDT	On-On	2.62	1.83	1.63	1.31
1MS2T6B11M1QE	G	0.27	SPDT	On-(On)	2.76	1.93	1.72	1.39
1MS3T6B11M1QE	G	0.27	SPDT	On-Off-On	2.86	2.00	1.78	1.43
1MD1T6B11M1QE	G	0.45	DPDT	On-On	3.26	2.28	2.04	1.64
1MD2T6B11M1QE	G	0.45	DPDT	On-(On)	3.41	2.39	2.13	1.71
1MD3T6B11M1QE	G	0.45	DPDT	On-Off-On	3.70	2.59	2.31	1.85
" Flat Toggle, 0.297" Threaded Bushing, PC Mount Termination								
1MS1T6B11M2QE	H	0.27	SPDT	On-On	2.62	1.83	1.63	1.31
1MS2T6B11M2QE	H	0.27	SPDT	On-(On)	2.76	1.93	1.72	1.39
1MS3T6B11M2QE	H	0.27	SPDT	On-Off-On	2.86	2.00	1.78	1.43
1MD1T6B11M2QE	H	0.45	DPDT	On-On	3.26	2.28	2.04	1.64
1MD2T6B11M2QE	H	0.45	DPDT	On-(On)	3.41	2.39	2.13	1.71
1MD3T6B11M2QE	H	0.45	DPDT	On-Off-On	3.70	2.59	2.31	1.85

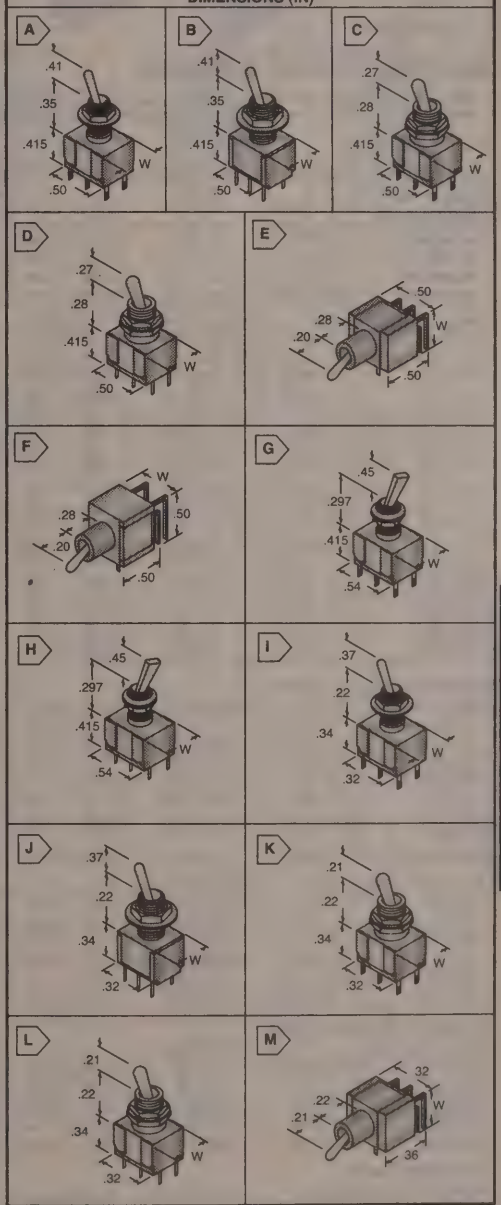
Specifications:

- Contact Rating: 5A/120VAC or 28VDC; 2A/250VAC
- Electrical Life: 40,000 make and break cycles at full load
- Contact Resistance: 10mΩ max. initial @ 2-4VDC 100mA
- Insulation Resistance: 1,000MΩ min.
- Dielectric Strength: 1000VRMS @ sea level
- Operating Temperature: -30 °C to +85 °C

Materials:

- Case: Diallyl phthalate(DAP)
- Toggle: Chrome plated brass
- Bushing: Nickel plated brass
- Housing: Stainless steel
- Contacts: Silver plate over copper alloy

DIMENSIONS (IN)



B-MINIATURE TOGGLE SWITCHES

For quantities 1000 and up, call for quote.

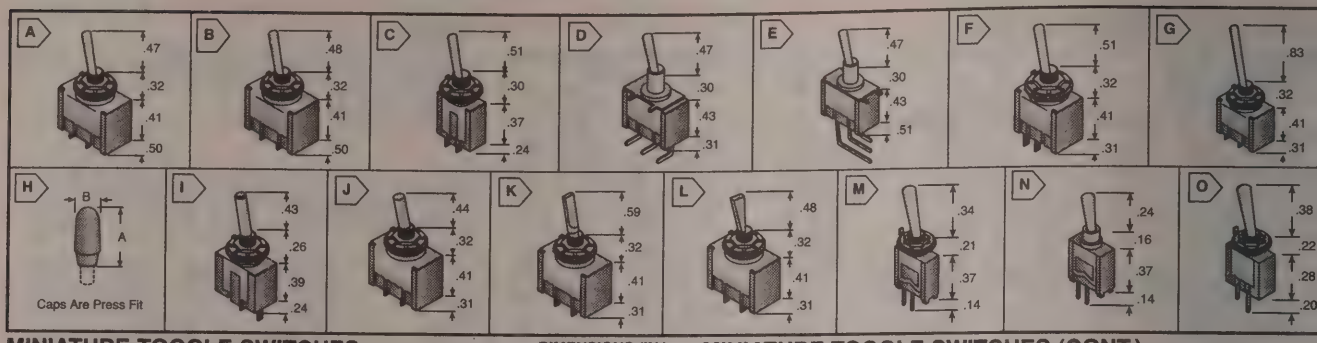
MOUSER STOCK NO.	Fig.	Width (W) (In.)	Type	Circuit	Price Each 1	10	100	500
" Toggle, 0.22" Bushing, Solder Lug Termination								
2MS1T1B1M1QE	I	0.20	SPDT	On-On	2.54	2.10	1.47	1.26
2MS3T1B1M1QE	I	0.20	SPDT	On-Off-On	3.41	2.82	1.97	1.69
2MD1T1B1M1QE	I	0.36	DPDT	On-On	3.57	2.95	2.06	1.76
2MD3T1B1M1QE	I	0.36	DPDT	On-Off-On	4.20	3.46	2.42	2.07
" Toggle, 0.22" Bushing, PC Mount Termination								
2MS1T1B1M2QE	J	0.20	SPDT	On-On	2.54	2.10	1.47	1.26
2MS3T1B1M2QE	J	0.20	SPDT	On-Off-On	3.41	2.82	1.97	1.69
2MD1T1B1M2QE	J	0.36	DPDT	On-On	3.57	2.95	2.06	1.76
2MD3T1B1M2QE	J	0.36	DPDT	On-Off-On	4.20	3.46	2.42	2.07
21" Toggle, 0.22" Bushing, Solder Lug Termination								
2MS1T2B3M1QE	K	0.20	SPDT	On-On	2.54	2.10	1.47	1.26
2MS3T2B3M1QE	K	0.20	SPDT	On-Off-On	3.41	2.82	1.97	1.69
2MD1T2B3M1QE	K	0.36	DPDT	On-On	3.57	2.95	2.06	1.76
2MD3T2B3M1QE	K	0.36	DPDT	On-Off-On	4.20	3.46	2.42	2.07
" Toggle, 0.22" Bushing, PC Mount Termination								
2MS1T2B3M2QE	L	0.20	SPDT	On-On	2.54	2.10	1.47	1.26
2MS3T2B3M2QE	L	0.20	SPDT	On-Off-On	3.41	2.82	1.97	1.69
2MD1T2B3M2QE	L	0.36	DPDT	On-On	3.57	2.95	2.06	1.76
2MD3T2B3M2QE	L	0.36	DPDT	On-Off-On	4.20	3.46	2.42	2.07
" Horizontal Toggle, 0.22" Bushing, Right Angle PC Mount Termination								
2MS1T2B2M6QE	M	0.20	SPDT	On-On	3.41	2.82	1.97	1.69
2MS3T2B2M6QE	M	0.20	SPDT	On-Off-On	4.20	3.46	2.42	2.07
2MD1T2B2M6QE	M	0.36	DPDT	On-On	4.52	3.72	2.61	2.22
2MD3T2B2M6QE	M	0.36	DPDT	On-Off-On	5.13	4.22	2.96	2.52

Specifications:

- Contact Rating: 3A/120VAC or 28VDC; 1A/250VAC
- Electrical Life: 30,000 make and break cycles at full load
- Contact Resistance: 20mΩ max. initial @ 2-4VDC 100mA
- Insulation Resistance: 1,000MΩ min.
- Dielectric Strength: 1000VRMS @ sea level
- Operating Temperature: -30 °C to +85 °C

Materials:

- Case: Diallyl phthalate(DAP)
- Toggle: Chrome plated brass
- Bushing: Nickel plated brass
- Housing: Stainless steel
- Contacts: Silver plate over brass



MINIATURE TOGGLE SWITCHES

DIMENSIONS (IN.)

- Dielectric strength: 1000VAC for 1 minute
- Insulation resistance: 100MΩ min.
- Mechanical life: over 30,000 operations
- Electrical life: over 10,000 operations

Standard Lever

- Rating: 3A/125VAC, 1A/250VAC
- Solder terminals

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each 1	10	100	500	1000
108-MS550K	A	SPST	On-Off	2.00	1.94	1.88	1.83	1.61
108-MS550A	A	SPDT	On-On	2.05	1.99	1.93	1.88	1.66
108-MS550C	A	SPDT	On-Off-On	2.33	2.26	2.20	2.13	1.87
108-MS550H	A	DPDT	On-Off-On	2.90	2.81	2.73	2.64	2.09

- Rating: 6A/125VAC, 3A/250VAC
- Solder terminals
- ( ) = Momentary

10TC220	B	SPST	On-Off	2.20	2.14	2.08	2.01	1.76
10TC230	B	SPDT	On-On	2.38	2.31	2.24	2.17	1.90
10TC232	B	SPDT	On-(On)	2.48	2.41	2.34	2.26	1.97
10TC235	B	SPDT	On-Off-On	2.59	2.52	2.44	2.36	2.06
10TC240	B	SPDT	On-Off-(On)	2.64	2.56	2.48	2.40	2.09
10TC245	B	SPDT	(On)-Off-(On)	2.64	2.56	2.48	2.40	2.09
10TC260	B	DPDT	On-On	3.08	2.99	2.89	2.80	2.21
10TC262	B	DPDT	On-(On)	3.24	3.13	3.03	2.93	2.30
10TC265	B	DPDT	On-Off-On	3.41	3.31	3.20	3.09	2.42
10TC270	B	DPDT	On-Off-(On)	3.52	3.41	3.30	3.19	2.49
10TC275	B	DPDT	(On)-Off-(On)	3.52	3.41	3.30	3.19	2.49
10TC280	B	3PDT	On-On	3.97	3.85	3.72	3.59	2.79
10TC285	B	3PDT	On-Off-On	4.59	4.43	4.28	4.13	3.19
10TC290	B	4PDT	On-On	4.94	4.78	4.56	4.45	3.52
10TC295	B	4PDT	On-Off-On	5.77	5.58	5.38	5.19	4.08
10TA820	C	SPST	On-Off	2.44	2.37	2.29	2.22	1.94
10TA830	C	SPDT	On-On	2.59	2.51	2.43	2.36	2.06
10TA860	C	DPDT	On-On	3.24	3.13	3.03	2.93	2.30

Standard Lever, PC Mount

- Rating: 6A/125VAC, 3A/250VAC
- Gold plated terminals
- Right angle PC mount
- ( ) = Momentary

10TF230	D	SPDT	On-On	2.87	2.79	2.70	2.61	2.11
10TF235	D	SPDT	On-Off-On	3.04	2.95	2.85	2.76	2.18
10TF232	D	SPDT	On-(On)	3.11	3.01	2.91	2.82	2.22
10TF240	D	SPDT	On-Off-(On)	3.26	3.15	3.05	2.95	2.32
10TF245	D	SPDT	(On)-Off-(On)	3.26	3.15	3.05	2.95	2.32
10TF260	D	DPDT	On-On	4.06	3.93	3.80	3.67	2.92
10TF265	D	DPDT	On-Off-On	4.32	4.18	4.04	3.90	3.02
10TF262	D	DPDT	On-(On)	4.57	4.42	4.27	4.12	3.18

- Rating: 6A/125VAC, 3A/250VAC
- Gold plated terminals
- Vertical PC mount
- ( ) = Momentary

10TF130	E	SPDT	On-On	3.21	3.11	3.01	2.91	2.34
10TF135	E	SPDT	On-Off-On	3.44	3.33	3.23	3.12	2.44
10TF132	E	SPDT	On-(On)	3.44	3.33	3.23	3.12	2.44
10TF145	E	SPDT	(On)-Off-(On)	3.60	3.49	3.37	3.26	2.61
10TF160	E	DPDT	On-On	4.39	4.25	4.11	3.96	3.15
10TF165	E	DPDT	On-Off-On	4.65	4.50	4.34	4.19	3.24

Hi-Current Standard Lever

- Rating: 10A/125VAC
- Solder terminals

10TC320	F	SPST	On-Off	2.56	2.49	2.41	2.34	2.04
10TC330	F	SPDT	On-On	2.75	2.66	2.58	2.50	2.03
10TC335	F	SPDT	On-Off-On	2.98	2.89	2.79	2.70	2.13
10TC360	F	DPDT	On-On	3.65	3.54	3.42	3.30	2.64
10TC365	F	DPDT	On-Off-On	3.96	3.83	3.70	3.57	2.78

Long Metal Lever

- Rating: 6A/125VAC, 3A/250VAC
- Solder terminals
- ( ) = Momentary

10TA445	G	SPDT	(On)-Off-(On)	2.70	2.61	2.53	2.45	2.13
10TA460	G	DPDT	On-On	3.26	3.16	3.06	2.96	2.32

Decorative Miniature Toggle Lever

- Plastic caps for miniature toggle switches

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Dimensions (In.) A	B	Price Each 1	10	100	500	1000
10TB001	H	Red	.45	.18	.17	.15	.13	.12	.11
10TB002	H	Black	.45	.18	.17	.15	.13	.12	.11
10TB003	H	White	.45	.18	.17	.15	.13	.12	.11
10TB004	H	Blue	.45	.18	.17	.15	.13	.12	.11
10TB005	H	Yellow	.45	.18	.17	.15	.13	.12	.11
10TB006	H	Green	.45	.18	.17	.15	.13	.12	.11

MINIATURE TOGGLE SWITCHES (CONT.)

Specifications:

- Contact resistance: 20mΩ max.
- Insulation resistance: 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

Metal Baton Lever With Colored Tip

- Rating: 3A/125VAC
- Solder terminals

For quantities 2000 and up, call for q

MOUSER STOCK NO.	Fig.	Tip Color	Type	Circuit	Price Each 1	10	100	500	10
10TF105	I	Red	SPST	On-Off	2.31	2.24	2.17	2.11	1.8
10TF205	I	Yellow	SPST	On-Off	2.31	2.24	2.17	2.11	1.8
10TF305	I	Blue	SPST	On-Off	2.31	2.24	2.17	2.11	1.8
10TF110	I	Red	SPDT	On-On	2.46	2.39	2.31	2.24	1.9
10TF115	I	Red	DPDT	On-On	2.80	2.71	2.63	2.54	2.0
10TF215	I	Yellow	DPDT	On-On	2.80	2.71	2.63	2.54	2.0
10TF315	I	Blue	DPDT	On-On	2.80	2.71	2.63	2.54	2.0

Plastic Baton Lever

- Rating: 6A/125VAC, 3A/250VAC
- Solder terminals
- Part number suffix indicates lever tip co

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each 1	10	100	500	10
108-MS500KPL-BLK	J	SPST	On-Off	2.28	2.21	2.15	2.08	1.9
108-MS500APL-BLK	J	SPDT	On-On	2.44	2.37	2.30	2.22	1.9
108-MS500KPL-RED	J	SPST	On-Off	2.28	2.21	2.15	2.08	1.9

Anodized Aluminum Baton Lever

- Rating: 3A/125VAC
- Solder terminals

10TF605	I	SPST	On-On	2.59	2.51	2.43	2.36	2.0
10TF610	I	SPDT	On-On	2.67	2.59	2.51	2.43	2.1
10TF615	I	DPDT	On-On	3.08	2.99	2.89	2.80	2.2

Black Plastic Flat Lever

- Rating: 6A/125VAC, 3A/250VAC
- Solder terminals
- ( ) Momentary

10TA220	K	SPST	On-Off	2.57	2.49	2.41	2.34	2.3
10TA235	K	SPDT	On-Off-On	2.95	2.86	2.77	2.68	2.6
10TA245	K	SPDT	(On)-Off-(On)	2.98	2.89	2.79	2.70	2.6
10TA260	K	DPDT	On-On	3.44	3.33	3.23	3.12	2.4
10TA275	K	DPDT	(On)-Off-(On)	3.86	3.73	3.61	3.49	2.1

Metallized Plastic Flat Lever

- Rating: 6A/125VAC, 3A/250VAC
- Solder terminals
- ( ) = Momentary

10TA320	L	SPST	On-Off	2.64	2.56	2.48	2.40	1.9
10TA330	L	SPDT	On-Off	2.85	2.76	2.68	2.59	2.1
10TA335	L	SPDT	On-Off-On	3.06	2.96	2.87	2.77	2.1
10TA345	L	SPDT	(On)-Off-(On)	3.12	3.02	2.93	2.83	2.1
10TA360	L	DPDT	On-On	3.54	3.43	3.32	3.21	2.5
10TA375	L	DPDT	(On)-Off-(On)	3.99	3.86	3.73	3.60	2.6

SUB-MINIATURE TOGGLE SWITCHES

Specifications:

- Insulation resistance: 100MΩ @ 500VDC min.
- Dielectric strength: 1000VAC for 1 minute
- Contact resistance: 20mΩ @ 2.5VDC, 100mA m

Low Current Switches

- PC mount
- Rating: .3A/125VAC

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each 1	10	100	500
10TC405	M	SPST	On-Off	2.13	2.06	2.00	1.9
10TC410	M	SPDT	On-On	2.20	2.14	2.08	2.0
10TC415	M	DPDT	On-On	2.57	2.49	2.41	2.3

- PC mount
- Rating: .3A/30VDC

10TC412	M	SPDT	On-Off-On	2.29	2.22	2.15	2.0
10TC418	M	DPDT	On-Off-On	2.72	2.63	2.55	2.4

- PC mount
- Rating: .3A/125VAC

10TC605	N	SPST	On-Off	1.90	1.84	1.79	1.7
10TC610	N	SPDT	On-On	1.95	1.89	1.84	1.7
10TC615	N	DPDT	On-On	2.31	2.24	2.17	2.1

Standard Lever Switches

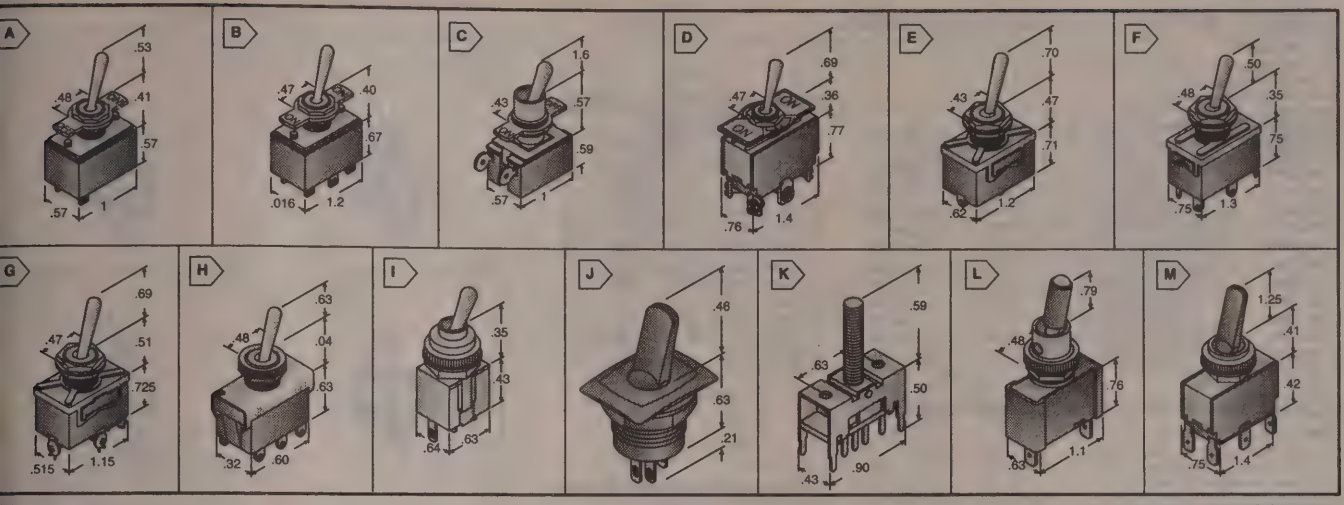
- Solder terminals
- Rating: 3A/125VAC
- Gold plated contacts and terminals

10TA805	O	SPST	On-Off	2.15	2.09	2.03	1.97
10TA810	O	SPDT	On-On	2.24	2.17	2.11	2.04
10TA815	O	DPDT	On-On	2.67	2.59	2.51	2.43

MOUSER ELECTRONICS a tti company

MOUNTAIN SWITCH Toggle Switches

Mountain Switch



DIMENSIONS (IN.)

Mountain Switch TOGGLE SWITCHES

Standard Duty

• Rating: 3A/125VAC • Insulation resistance: 100MΩ min.

MOUSER STOCK NO.	Fig.	Type	Circuit	Dielectric Strength	Contact Resistance (max.)	Price Each 1	10	100	500
103-0132	A	SPST	On-Off	1000VAC	50mΩ	1.33	1.11	.99	.90
103-0008	B	DPDT	On-On	1000VAC	50mΩ	4.19	3.47	3.18	2.98

Low Profile

• Rating: 6A/125VAC, 3A/250VAC • Insulation resistance: 100MΩ min.

103-0009	C	SPST	On-Off	1000VAC	50mΩ	2.98	2.78	2.33	2.13

Heavy Duty

• Insulation resistance: 100MΩ min.

10A/125VAC, 3A/250VAC									
10TE008	D	DPDT	On-Off-On	1000VAC	50mΩ	2.22	1.93	1.75	1.65
15A/125VAC, 10A/250VAC									
103-0010	E	SPST	On-Off	1500VAC	50mΩ	2.94	2.45	2.23	2.02
103-0011	E	SPST	On-Off	1500VAC	50mΩ	2.94	2.45	2.23	2.02
103-0012	F	DPDT	On-On	1500VAC	50mΩ	4.05	3.53	3.31	3.10
103-0013	F	DPDT	On-On	1500VAC	50mΩ	4.05	3.53	3.31	3.10
10A/125VAC, 6A/250VAC									
103-13293	G	SPDT	On-Off-On	1500VAC	50mΩ	2.59	2.15	1.99	1.79

Metal Lever

Rating: 6A/250VAC, 3A/250VAC • Insulation resistance: 100MΩ min.

103-0014	H	SPST	On-Off	1500VAC	50mΩ	2.98	2.86	2.27	2.09
103-0015	H	DPDT	On-On	1500VAC	50mΩ	4.38	4.17	3.59	3.41
103-0016	H	DPST	On-Off	1500VAC	50mΩ	4.87	4.68	4.16	3.99

Metal Lever

• Insulation resistance: 100MΩ min. • Rating: 6A/125VAC, 3A/250VAC ( ) = Momentary

MOUSER STOCK NO.	Fig.	Type	Circuit	Dielectric Strength	Contact Resistance (max.)	Price Each 1	10	100	500
103-0017	I	SPDT	On-On	1000VAC	50mΩ	3.15	3.01	2.52	2.31

Plastic Lever

• Insulation resistance: 100MΩ min. • Rating: 6A/125VAC

103-4023	J	SPDT	On-On	1500VAC	50mΩ	2.19	1.83	1.66	1.52
103-4024	J	DPDT	On-On	1500VAC	50mΩ	2.90	2.61	2.47	2.32
103-4025	J	DPDT	On-(On)	1500VAC	50mΩ	3.18	2.86	2.70	2.54

Toggle Switch

• Brushed aluminum handles • PC terminals • Rating: .5A/50VDC

10TS003	K	DP3T	On-On-On	500VAC	30mΩ	1.11	.92	.84	.71

Illuminated (LED) Toggle Switches

• Contact resistance: 50mΩ max.

MOUSER STOCK NO.	Fig.	Color	Type	Circuit	Mtg. Hole (In.)	Price Each 1	10	100	500
20A/12VDC									
103-0001	L	White	SPST	On-Off	0.59	7.90	7.50	6.50	5.35
103-0002	L	Blue	SPST	On-Off	0.59	7.71	7.33	6.30	5.16
103-0003	L	Green	SPST	On-Off	0.59	5.62	5.39	4.78	4.09
103-0004	L	Red	SPST	On-Off	0.59	5.62	5.39	4.78	4.09

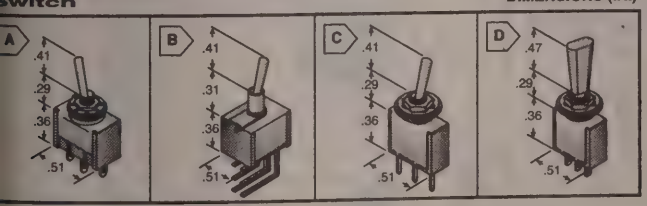
Illuminated Toggle Switches

• Contact resistance: 50mΩ max.

30A/12VDC									
103-0005	M	Rd/Cl/Gr	SPDT	On-Off-On	0.472	9.50	9.10	7.90	6.75
103-0006	M	Red/Green	SPDT	On-On	0.472	9.25	8.85	7.62	6.49
103-0007	M	Red/Clear	SPST	On-Off	0.472	8.97	8.57	7.32	6.17

Mountain Switch MINIATURE TOGGLE SWITCHES

DIMENSIONS (IN.)



Specifications:

Contact resistance: 20mΩ max.
Insulation resistance: 100MΩ min. 500VDC
Dielectric strength: 1000VAC 1 minute

- Operating temperature: -20°C to 65°C
- Rating: 6A/125V, 3A/250VAC
- Electrical life: 50,000 make-and-break cycles at full load

Standard Lever - Solder Tab

( ) = Momentary

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each 1	10	100	500
1055-TA1120	A	SPST	On-Off	1.45	1.22	1.09	.98
1055-TA1130	A	SPDT	On-On	1.58	1.32	1.19	1.07
103-5132	A	SPDT	On-(On)	1.65	1.37	1.22	1.10
1055-TA1135	A	SPDT	On-Off-On	1.84	1.54	1.40	1.25
103-5140	A	SPDT	On-Off-(On)	1.88	1.60	1.42	1.29
103-5145	A	SPDT	(On)-Off-(On)	1.88	1.60	1.42	1.29
1055-TA1160	A	DPDT	On-On	2.34	1.95	1.78	1.62
1055-TA1165	A	DPDT	On-Off-On	2.51	2.09	1.90	1.73

Standard Lever - PC Mount

( ) = Momentary

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each 1	10	100	500
1055-TA1220	B	SPST	On-Off	1.70	1.42	1.28	1.15
1055-TA1230	B	SPDT	On-On	2.03	1.69	1.54	1.40
1055-TA1320	C	SPST	On-Off	1.70	1.42	1.28	1.15
1055-TA1330	C	SPDT	On-On	2.03	1.69	1.54	1.40
1055-TA1360	C	DPDT	On-On	2.77	2.31	2.10	1.92
1055-TA1365	C	DPDT	On-Off-On	2.96	2.47	2.24	2.04

Flat Lever - Solder Tab

( ) = Momentary

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each 1	10	100	500
1055-TA2120	D	SPST	On-Off	1.96	1.63	1.49	1.35
1055-TA2130	D	SPDT	On-On	2.14	1.78	1.62	1.48
1055-TA2135	D	SPDT	On-Off-On	2.27	1.89	1.72	1.56
1055-TA2150	D	DPST	On-Off	2.61	2.18	1.98	1.80
1055-TA2160	D	DPDT	On-On	2.80	2.33	2.12	1.93
103-6165	D	DPDT	On-Off-On	2.98	2.48	2.26	2.05
103-6175	D	DPDT	(On)-Off-(On)	3.23	2.69	2.45	2.23

Mountain Switch SUB-MINIATURE TOGGLE SWITCHES

Specifications:
- Rating: 1A/250VAC; 3A/120VAC or 28VDC
- Contact resistance: 20mΩ max.
- Insulation resistance: 1000MΩ min.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each				
					1	10	100	500	1000
108-0041	20126SPST41	A	SPST	Off-On	1.97	1.81	1.74	1.67	1.26
108-0042	20126SPDT42	A	SPDT	On-On	1.97	1.81	1.74	1.67	1.26
108-0044	20126SPDT44	A	SPDT	On-Off-On	1.97	1.81	1.74	1.67	1.26
108-0043	20126DPDT43	A	DPDT	On-On	2.81	2.56	2.40	2.28	2.05
108-0046	20126DPDT46	A	DPDT	On-Off-On	4.20	3.46	2.92	2.42	2.30
108-0047	20126SPST47	B	SPST	Off-On	2.98	2.66	2.24	1.80	1.59
108-0048	20126SPDT48	B	SPDT	On-On	2.98	2.66	2.24	1.80	1.59
108-0049	20126DPDT49	B	DPDT	On-On	2.81	2.56	2.40	2.28	2.05
108-0050	20126SPST50	C	SPST	On-Off	2.98	2.66	2.24	1.80	1.59
108-0051	20126SPDT51	C	SPDT	On-On	1.97	1.81	1.74	1.67	1.26
108-0052	20126DPDT52	C	DPDT	On-On	2.74	2.49	2.33	2.21	1.99

Mountain Switch MINIATURE TOGGLE SWITCHES

Specifications:
- Rating: 2A/250VAC; 5A/120VAC or 28VDC
- Contact resistance: 10mΩ max.
- Insulation resistance: 1000MΩ min.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each				
					1	10	100	500	1000
108-0001	20126SPST01	D	SPST	Off-On	1.70	1.64	1.58	1.51	1.26
108-0002	20126SPDT02	D	SPDT	On-Off-(On)	2.81	2.56	2.40	2.28	2.05
108-0003	20126SPDT03	D	SPDT	(On)-Off-(On)	2.74	2.49	2.33	2.21	1.99
108-0004	20126DPDT04	D	DPDT	On-Off-(On)	3.22	2.98	2.81	2.69	2.49
108-0005	20126DPDT05	D	DPDT	(On)-Off-(On)	3.62	3.06	2.87	2.71	2.44
108-0010	20126DPDT10	D	DPDT	On-On	2.74	2.49	2.33	2.21	1.99
108-0008	20126SPST08	E	SPST	Off-On	2.04	1.47	1.38	1.28	1.07
108-0009	20126SPDT09	E	SPDT	On-On	2.04	1.47	1.38	1.28	1.07
108-0006	201263PDT06	F	3PDT	On-Off-On	5.18	4.83	4.69	4.38	4.00
108-0007	201264PDT07	F	4PDT	On-Off-On	8.99	7.80	7.09	6.45	5.94
108-0038	20126SPST38	G	SPST	Off-On	2.83	2.58	2.42	2.30	2.07
108-0040	20126SPST40	G	SPST	Off-On	2.83	2.58	2.42	2.30	2.07
108-0027	20126SPST27	H	SPST	Off-On	1.97	1.81	1.74	1.67	1.26
108-0028	20126SPDT28	H	SPDT	(On)-Off-(On)	2.81	2.56	2.40	2.28	2.05
108-0029	20126DPDT29	H	DPDT	On-On	3.62	3.06	2.87	2.71	2.44
108-0031	20126DPDT31	H	DPDT	On-Off-On	3.62	3.06	2.87	2.71	2.44
108-0011	20126SPDT11	I	SPDT	On-On	1.97	1.81	1.74	1.67	1.26
108-0012	20126SPDT12	I	SPDT	On-Off-On	2.74	2.49	2.33	2.21	1.99
108-0014	20126SPDT14	I	SPDT	On-(On)	2.98	2.66	2.24	1.80	1.59
108-0015	20126SPDT15	I	SPDT	On-Off-(On)	3.62	3.06	2.87	2.71	2.44
108-0016	20126SPDT16	I	SPDT	(On)-Off-(On)	2.83	2.58	2.42	2.30	2.07
108-0017	20126DPDT17	J	DPDT	On-On	3.62	3.06	2.87	2.71	2.44
108-0018	20126DPDT18	J	DPDT	On-Off-On	3.62	3.06	2.87	2.71	2.44
108-0019	20126DPDT19	J	DPDT	On-(On)	3.62	3.06	2.87	2.71	2.44
108-0020	20126SPDT20	K	SPDT	On-On	2.98	2.66	2.24	1.80	1.59
108-0021	20126SPDT21	K	SPDT	On-Off-On	2.74	2.49	2.33	2.21	1.99
108-0022	20126SPDT22	K	SPDT	On-(On)	2.68	2.43	2.27	2.15	2.05
108-0023	20126SPDT23	K	SPDT	(On)-Off-(On)	2.83	2.58	2.42	2.30	2.07
108-0024	20126DPDT24	K	DPDT	On-On	3.62	3.06	2.87	2.71	2.44
108-0025	20126DPDT25	K	DPDT	On-Off-On	3.62	3.06	2.87	2.71	2.44

Mountain Switch TOGGLE SWITCH CAPS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Color	Dimensions (In.)		Price Each				
				A	B	1	10	100	500	1000
108-0032	20126RD9932	L	Red	.43	.16	.17	.15	.13	.12	.11
108-0033	20126BL9933	L	Black	.43	.16	.17	.15	.13	.12	.11
108-0034	20126WH9934	L	White	.43	.16	.17	.15	.13	.12	.11
108-0035	20126BU9935	L	Blue	.43	.16	.17	.15	.13	.12	.11
108-0036	20126YL9936	L	Yellow	.43	.16	.17	.15	.13	.12	.11
108-0037	20126GR9937	L	Green	.43	.16	.17	.15	.13	.12	.11

SCI PARTS TOGGLE SWITCHES

Specifications:
- Rating: 10A/125VAC; 6A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 1000MΩ min.

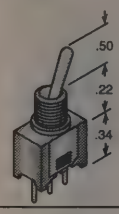
*cULus E67774 CSA LR45128

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Type	Circuit	Price Each				
					1	10	100	500	1000
112-R13-66AP	R13-66AP-02	M	SPST	On-Off	2.35	1.96	1.78	1.62	1.49
112-R13-66CP	R13-66CP-02	M	SPDT	On-On	2.35	1.96	1.78	1.62	1.49
112-R13-66DP	R13-66DP-02	M	SPDT	On-Off-On	2.35	1.96	1.78	1.62	1.49
112-R13-66HP	R13-66HP-02	M	SPDT	On-Off-(On)	2.35	1.96	1.78	1.62	1.49
112-R13-66IP	R13-66IP-02	M	SPDT	(On)-Off-(On)	2.35	1.96	1.78	1.62	1.49
Metal Levers									
*112-R13-25A2	R13-25A2-01	N	SPST	On-Off	4.51	3.76	3.41	3.10	2.85
*112-R13-25C2	R13-25C2-01	N	SPDT	On-On	4.51	3.76	3.41	3.10	2.85
Plastic Levers									
*112-R13-25B1	R13-25B1-05	O	DPDT	On-On	5.62	4.68	4.26	3.87	3.56
*112-R13-25E1	R13-25E1-05	O	DPDT	On-Off-On	5.62	4.68	4.26	3.87	3.56

DIMENSIONS (IN)

A

B


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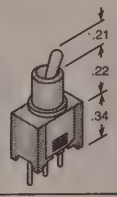

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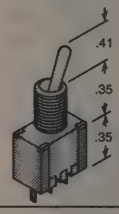

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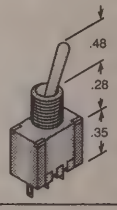

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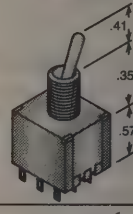

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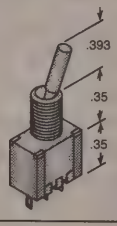

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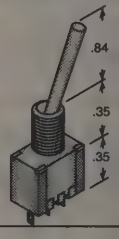

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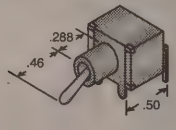

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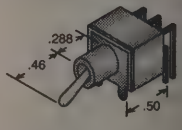

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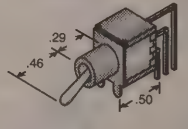

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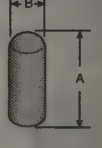

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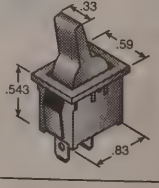

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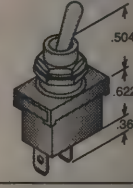

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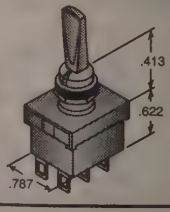
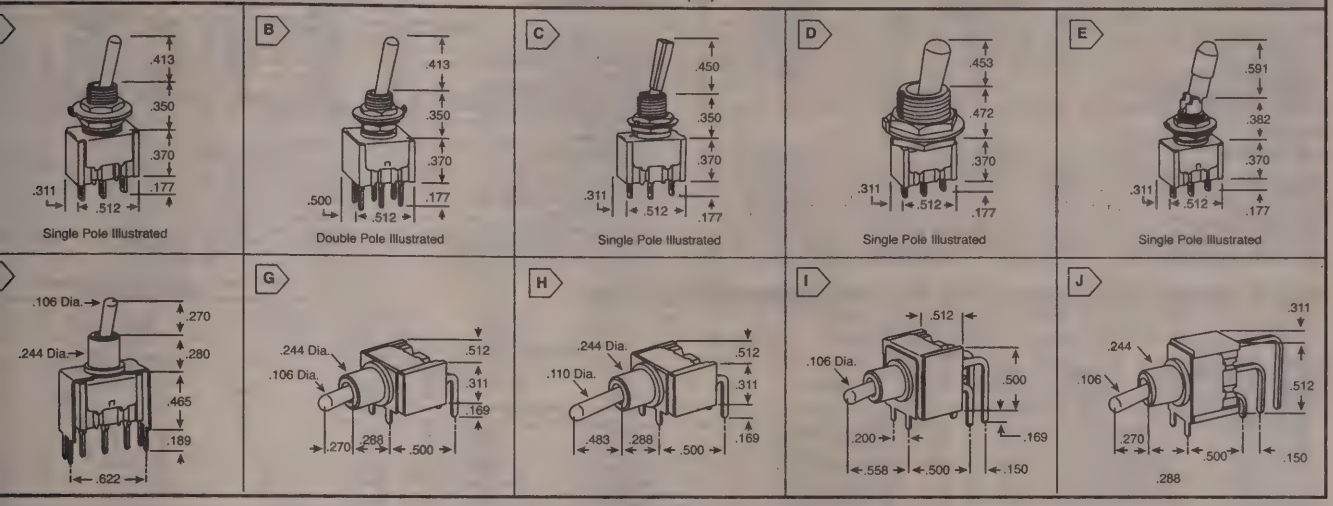


MOUSER ELECTRONICS a tti company

NKK SWITCHES

DIMENSIONS (IN.)



NKK M SERIES: MINI SWITCHES WITH SMALL TOGGLES

Power Rating:
- @ 125VAC & 3A @ 250VAC/30DC
- @30VDC for On-None-On & On-None-Off

()=Momentary **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each 1	25	50
uator: .413" Bat; .350" Threaded with Keyway							
-M201101	M2011SS1W01	A	SPST On-None-Off	Solder	3.30	2.84	2.44
-M201201	M2012SS1W01	A	SPDT On-None-On	Solder	3.50	3.01	2.59
-M201301	M2013SS1W01	A	SPDT On-Off-On	Solder	4.10	3.53	3.03
-M201501	M2015SS1W01	A	SPDT On-None-(On)	Solder	4.60	3.96	3.40
-M201801	M2018SS1W01	A	SPDT (On)-Off-(On)	Solder	4.70	4.04	3.48
-M201901	M2019SS1W01	A	SPDT On-Off-(On)	Solder	4.70	4.04	3.48
-M202401	M2024SS1W01	A	SP3T On-On-On	Solder	7.50	6.45	5.55
-M202601	M2026SS1W01	A	SP3T (On)-On-(On)	Solder	7.90	6.79	5.85
-M202701	M2027SS1W01	A	SP3T On-On-(On)	Solder	7.90	6.79	5.85
-M202201	M2022SS1W01	A	DPDT On-None-On	Solder	5.25	4.52	3.89
-M202301	M2023SS1W01	A	DPDT On-Off-On	Solder	6.10	5.25	4.51
-M202501	M2025SS1W01	A	DPDT On-None-(On)	Solder	7.00	6.02	5.18
-M202801	M2028SS1W01	A	DPDT (On)-Off-(On)	Solder	7.30	6.28	5.40
-M202901	M2029SS1W01	A	DPDT On-Off-(On)	Solder	7.30	6.28	5.40
-M204401	M2044SS1W01	A	DP3T On-On-On	Solder	17.50	15.05	12.95
-M204601	M2046SS1W01	A	DP3T (On)-On-(On)	Solder	17.50	15.05	12.95
-M204701	M2047SS1W01	A	DP3T On-On-(On)	Solder	17.50	15.05	12.95
-M203201	M2032SS1W01	A	3PDT On-None-On	Solder	8.75	7.53	6.48
-M203301	M2033SS1W01	A	3PDT On-Off-On	Solder	11.00	9.46	8.14
-M204201	M2042SS1W01	A	4PDT On-None-On	Solder	12.05	10.36	8.92
-M204301	M2043SS1W01	A	4PDT On-Off-On	Solder	14.40	12.38	10.66
-M201203	M2012SS1W03	B	SPDT On-None-On	PC	3.62	3.11	2.68
-M201303	M2013SS1W03	B	SPDT On-Off-On	PC	4.22	3.63	3.12
-M201503	M2015SS1W03	B	SPDT On-None-(On)	PC	4.72	4.06	3.49
-M201803	M2018SS1W03	B	SPDT (On)-Off-(On)	PC	4.82	4.15	3.57
-M201903	M2019SS1W03	B	SPDT On-Off-(On)	PC	4.82	4.15	3.57
-M202403	M2024SS1W03	B	SP3T On-On-On	PC	7.74	6.66	5.73
-M202203	M2022SS1W03	B	DPDT On-None-On	PC	5.49	4.72	4.06
-M202303	M2023SS1W03	B	DPDT On-Off-On	PC	6.34	5.45	4.69
-M203203	M2032SS1W03	B	3PDT On-None-On	PC	9.11	7.83	6.74
-M204203	M2042SS1W03	B	4PDT On-None-On	PC	12.53	10.78	9.27
uator: .450" Flatted; .350" Threaded with Keyway							
-M201202	M2012ES1W01	C	SPDT On-None-On	Solder	4.50	3.87	3.33
-M201302	M2013ES1W01	C	SPDT On-Off-On	Solder	5.10	4.39	3.77
-M201502	M2015ES1W01	C	SPDT On-None-(On)	Solder	5.60	4.82	4.14
-M201802	M2018ES1W01	C	SPDT (On)-Off-(On)	Solder	5.70	4.90	4.22
-M201902	M2019ES1W01	C	SPDT On-Off-(On)	Solder	5.70	4.90	4.22
-M202402	M2024ES1W01	C	SP3T On-On-On	Solder	8.50	7.31	6.29
-M202202	M2022ES1W01	C	DPDT On-None-On	Solder	6.25	5.38	4.63
-M202302	M2023ES1W01	C	DPDT On-Off-On	Solder	7.10	6.11	5.25
-M202502	M2025ES1W01	C	DPDT On-None-(On)	Solder	8.00	6.88	5.92
-M202802	M2028ES1W01	C	DPDT (On)-Off-(On)	Solder	8.30	7.14	6.14

DON'T SEE THE SWITCH YOU ARE LOOKING FOR?
NKK HAS OVER 4 MILLION PART NUMBERS.
CALL FOR A QUOTE.

NKK M SERIES: MINI SWITCHES WITH LARGE TOGGLES

Power Rating:
- 6A @ 125VAC & 3A @ 250VAC/30DC
- 4A @30VDC for On-None-On & On-None-Off

()=Momentary **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each 1	25	50
Actuator: .453" Bat, .472" Threaded with Keyway							
633-M201104	M2011BB1W01	D	SPST On-None-Off	Solder	5.50	4.73	4.07
633-M201204	M2012BB1W01	D	SPDT On-None-On	Solder	5.70	4.90	4.22
633-M201304	M2013BB1W01	D	SPDT On-Off-On	Solder	6.30	5.42	4.66
633-M201504	M2015BB1W01	D	SPDT On-None-(On)	Solder	6.80	5.85	5.03
633-M201804	M2018BB1W01	D	SPDT (On)-Off-(On)	Solder	6.90	5.93	5.11
633-M202404	M2024BB1W01	D	SP3T On-On-On	Solder	9.70	8.34	7.18
633-M202204	M2022BB1W01	D	DPDT On-None-On	Solder	7.45	6.41	5.51
633-M203204	M2032BB1W01	D	3PDT On-None-On	Solder	10.95	9.42	8.10
633-M203504	M2035BB1W01	D	3PDT On-None-(On)	Solder	15.70	13.50	11.62
633-M203804	M2038BB1W01	D	3PDT (On)-Off-(On)	Solder	15.70	13.50	11.62
633-M204204	M2042BB1W01	D	4PDT On-None-On	Solder	14.25	12.26	10.55
633-M204304	M2043BB1W01	D	4PDT On-Off-On	Solder	16.60	14.28	12.28
633-M204504	M2045BB1W01	D	4PDT On-None-(On)	Solder	18.25	15.70	13.51
Actuator: .201" diameter Locking Lever, Threaded Keyway for Lever Lock							
633-M201205	M2012LL1W01	E	SPDT On-None-On	Solder	6.03	5.19	4.46
633-M201305	M2013LL1W01	E	SPDT On-Off-On	Solder	6.63	5.70	4.91
633-M201505	M2015LL1W01	E	SPDT On-None-(On)	Solder	7.13	6.13	5.28
633-M201805	M2018LL1W01	E	SPDT (On)-Off-(On)	Solder	7.23	6.22	5.35
633-M201905	M2019LL1W01	E	SPDT On-Off-(On)	Solder	7.23	6.22	5.35
633-M202205	M2022LL1W01	E	DPDT On-None-On	Solder	7.78	6.69	5.76
633-M202305	M2023LL1W01	E	DPDT On-Off-On	Solder	8.63	7.42	6.39
633-M203205	M2032LL1W01	E	3PDT On-None-On	Solder	11.28	9.70	8.35
633-M204205	M2042LL1W01	E	4PDT On-None-On	Solder	14.58	12.54	10.79

NKK M SERIES: MINI PC MOUNT TOGGLE SWITCHES

Contact Rating:
- Silver: 6A @ 125V AC & 3A @ 250V AC
- Gold: 0.4VA max. @ 28V AC/DC max.

( ) Momentary **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each 1	25	50
Straight PC with Bracket							
633-M2012S2A2G13	M2012S2A2G13	F	SPDT On-None-On	Gold	4.42	4.09	3.65
633-M2012S2A2W13	M2012S2A2W13	F	SPDT On-None-On	Silver	3.88	3.59	3.20
Right Angle PC							
633-M2012S2A2G30	M2012S2A2G30	G	SPDT On-None-On	Gold	4.70	4.35	3.88
633-M2012S2A2W30	M2012S2A2W30	G	SPDT On-None-On	Silver	4.16	3.85	3.43
633-M2012SA2G30	M2012SA2G30	H	SPDT On-None-On	Gold	4.70	4.35	3.88
633-M2012SA2W30	M2012SA2W30	H	SPDT On-None-On	Silver	4.16	3.85	3.43
633-M2013S2A2G30	M2013S2A2G30	G	SPDT On-Off-On	Gold	5.30	4.90	4.37
633-M2013SA2G30	M2013SA2G30	H	SPDT On-Off-On	Gold	5.30	4.90	4.37
633-M2018S2A2G30	M2018S2A2G30	G	SPDT (On)-Off-(On)	Gold	5.90	5.46	4.87
633-M2019S2A2G30	M2019S2A2G30	G	SPDT On-Off-(On)	Gold	5.90	5.46	4.87
633-M2022S2A2G30	M2022S2A2G30	I	DPDT On-None-On	Gold	7.61	7.05	6.29
633-M2022S2A2W30	M2022S2A2W30	I	DPDT On-None-On	Silver	6.53	6.05	5.40
Vertical PC							
633-M2012S2A2G40	M2012S2A2G40	J	SPDT On-None-On	Gold	4.96	4.59	4.09
633-M2012S2A2W40	M2012S2A2W40	J	SPDT On-None-On	Silver	4.42	4.09	3.65
633-M2013S2A2G40	M2013S2A2G40	J	SPDT On-Off-On	Gold	5.56	5.14	4.59
633-M2019S2A2G40	M2019S2A2G40	J	SPDT On-Off-(On)	Gold	6.16	5.70	5.08

NKK Illuminated Toggle Switches

NKK SWITCHES

G Series

LED Specifications	Single Color			Bicolor
Color	Red	Amber	Green	Red/Green
Forward Peak Current	25mA	25mA	25mA	25mA/25mA
Continuous Forward Current	20mA	20mA	20mA	20mA/20mA
Forward Voltage	2.0V	2.1V	2.1V	2.0V/2.1V
Reverse Peak Voltage	4V	4V	4V	4V/4V
Current Reduction Rate Above 25°C	0.33mA/°C			
Ambient Temperature Range	-25°C ~ +55°C			

B Series

LED Specifications	Single Color			Bicolor
Color	Red	Amber	Green	Red/Green
Forward Peak Current	30mA	30mA	20mA	30mA/20mA
Continuous Forward Current	20mA	20mA	10mA	20mA/10mA
Forward Voltage	1.9V	1.9V	3.4V	1.9V/3.4V
Reverse Peak Voltage	5V	5V	5V	5V/5V
Current Reduction Rate Above 25°C	0.43mA/°C	0.43mA/°C	0.28mA/°C	0.43mA/°C/0.28mA/°C
Ambient Temperature Range	-10°C ~ +55°C			

TL Series

LED Specifications	Colored Toggles Bright			Clear Toggles Super Bright		
Color	Red	Amber	Green	White	Green	Blue
Forward Peak Current	30mA	30mA	50mA	30mA	30mA	30mA
Continuous Forward Current	20mA	20mA	20mA	20mA	20mA	20mA
Forward Voltage	2.0V	2.1V	2.27V	3.6V	3.3V	3.4V
Reverse Peak Voltage	4V	4V	4V	5V	5V	5V
Current Reduction Rate Above 25°C	.032mA/°C	.032mA/°C	0.50mA/°C	0.50mA/°C	0.40mA/°C	0.40mA/°
Ambient Temperature Range	-10°C ~ +55°C			-10°C ~ +55°C		

M2100 Series

LED Specifications	Single Color			Bicolor
Color	Red	Yellow	Green	Red/Green
Forward Peak Current	25mA	30mA	30mA	25mA
Continuous Forward Current	20mA	20mA	20mA	20mA
Forward Voltage	2.1V	2.1V	2.1V	2.1V
Reverse Peak Voltage	4V	4V	4V	---
Current Reduction Rate Above 25°C	0.33mA/°C	0.40mA/°C	0.40mA/°C	0.33mA/°C
Ambient Temperature Range	-10°C ~ +55°C			

NKK G SERIES: ULTRA-MINIATURE FULLY ILLUMINATED TOGGLES

- World's smallest illuminated toggle switch, available in red/green bicolor and washable.
- Power Rating: 0.4VA Max. @ 28V AC/DC Maximum • Synchronous LED circuit • Solder lug

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each 1	25	50
PCB Straight							
633-G12JPC	G12JPC	A	SPDT On-None-On	Red	4.70	4.43	4.15
633-G12JPD	G12JPD	A	SPDT On-None-On	Amber	4.70	4.43	4.15
633-G12JPF	G12JPF	A	SPDT On-None-On	Green	4.70	4.43	4.15
633-G12JPCF	G12JPCF	A	SPDT On-None-On	Red/Green	5.60	5.28	4.94
633-G13JPCF	G13JPCF	A	SPDT On-Off-On	Red/Green	5.80	5.46	4.12
PCB Vertical							
633-G12JVC	G12JVC	B	SPDT On-None-On	Red	5.28	4.98	4.66
633-G12JVD	G12JVD	B	SPDT On-None-On	Amber	5.28	4.98	4.66
633-G12JVF	G12JVF	B	SPDT On-None-On	Green	5.28	4.98	4.66
633-G12JVCF	G12JVCF	B	SPDT On-None-On	Red/Green	6.18	5.82	5.45
633-G13JVCF	G13JVCF	B	SPDT On-Off-On	Red/Green	6.38	6.00	5.62
PCB Right Angle							
633-G12JHC	G12JHC	C	SPDT On-None-On	Red	5.28	4.98	4.66
633-G12JHD	G12JHD	C	SPDT On-None-On	Amber	5.28	4.98	4.66
633-G12JHF	G12JHF	C	SPDT On-None-On	Green	5.28	4.98	4.66
633-G12JHCF	G12JHCF	C	SPDT On-None-On	Red/Green	6.18	5.82	5.45
633-G13JHCF	G13JHCF	C	SPDT On-Off-On	Red/Green	6.38	6.00	5.62

NKK B SERIES: SUBMINIATURE FULLY ILLUMINATED TOGGLES

- Power Rating: 0.4VA max. @ 28V AC/DC Maximum • Fully illuminated Toggle • Process sealed • Highly visible LED

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each 1	25	50
PCB Straight							
633-B12JJPC	B12JJPC	D	SPDT On-None-On	Red	5.60	5.04	4.48
633-B12JJPD	B12JJPD	D	SPDT On-None-On	Amber	5.60	5.04	4.48
633-B12JJPF	B12JJPF	D	SPDT On-None-On	Green	6.50	5.85	5.20
633-B12JJPCF	B12JJPCF	D	SPDT On-None-On	Red/Green	7.40	6.66	5.92
633-B13JJPCF	B13JJPCF	D	SPDT On-Off-On	Red/Green	7.60	6.84	6.08
PCB Vertical							
633-B12JJVC	B12JJVC	E	SPDT On-None-On	Red	6.18	5.56	4.94
633-B12JJVD	B12JJVD	E	SPDT On-None-On	Amber	6.18	5.56	4.94
633-B12JJVF	B12JJVF	E	SPDT On-None-On	Green	7.08	6.37	5.66
633-B12JJVCF	B12JJVCF	E	SPDT On-None-On	Red/Green	7.98	7.18	6.38
633-B13JJVCF	B13JJVCF	E	SPDT On-Off-On	Red/Green	8.18	7.36	6.54
PCB Right Angle							
633-B12JJHC	B12JJHC	F	SPDT On-None-On	Red	6.18	5.56	4.94
633-B12JJHD	B12JJHD	F	SPDT On-None-On	Amber	6.18	5.56	4.94
633-B12JJHF	B12JJHF	F	SPDT On-None-On	Green	7.08	6.37	5.66
633-B12JJHCF	B12JJHCF	F	SPDT On-None-On	Red/Green	7.98	7.18	6.38
633-B13JJHCF	B13JJHCF	F	SPDT On-Off-On	Red/Green	8.18	7.36	6.54

NKK TL SERIES: FULLY ILLUMINATED TOGGLES

- Available in Bright or Super Bright LED's.
- interior o-ring protects contacts from oil, dust, water and other contaminants.
- Optional exterior o-ring provides panel sealing capabilities, conforms to IP65 of IEC529 standards

• Power Rating: 6A @ 125V AC or 3A @ 250V AC • Solder Lug • UL94V-0 Base

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each 1	25	50
633-TL22DCAW015C	TL22DCAW015C	G	DPDT On-None-On	Bright Red	12.05	11.35	10.63
633-TL22DDAW015D	TL22DDAW015D	G	DPDT On-None-On	Bright Amber	12.05	11.35	10.63
633-TL22DFAW015F	TL22DFAW015F	G	DPDT On-None-On	Bright Green	12.05	11.35	10.63
633-TL22DNAW016B	TL22DNAW016B	G	DPDT On-None-On	Super Bright White	14.25	13.42	12.57
633-TL22DNAW016F	TL22DNAW016F	G	DPDT On-None-On	Super Bright Green	14.25	13.42	12.57
633-TL22DNAW016G	TL22DNAW016G	G	DPDT On-None-On	Super Bright Blue	14.25	13.42	12.57
Accessories		**Description**					
633-AT401P	AT401P	Exterior O-ring			.53	.42	.37

NKK M2100 SERIES: LED TIPPED MINIATURE TOGGLES

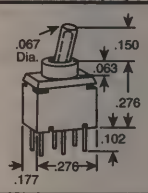
• Power Rating: 6A @ 125VAC OR 3A @ 250VAC/30VDC • Synchronous LED circuit • Solder lug • UL94V-0 Base

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each 1	25	50
633-M2112C	M2112TCW01	H	SPDT On-None-On	Red	8.96	8.22	7.97
633-M2112E	M2112TEW01	H	SPDT On-None-On	Yellow	8.96	8.22	7.97
633-M2112F	M2112TFW01	H	SPDT On-None-On	Green	8.96	8.22	7.97
633-M2112CF	M2112TCFW01	H	SPDT On-None-On	Red/Green	9.85	9.03	8.75
633-M2113C	M2113TCW01	H	SPDT On-Off-On	Red	9.85	9.03	8.75
633-M2113E	M2113TEW01	H	SPDT On-Off-On	Yellow	9.85	9.03	8.75
633-M2113F	M2113TFW01	H	SPDT On-Off-On	Green	9.85	9.03	8.75
633-M2113CF	M2113TCFW01	H	SPDT On-Off-On	Red/Green	10.85	9.95	9.65

DIMENSIONS (IN.)

A



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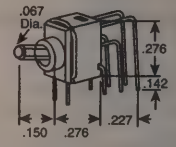

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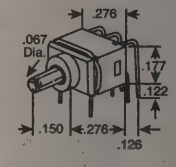

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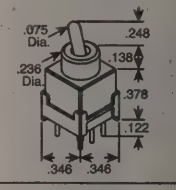

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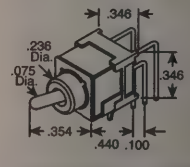

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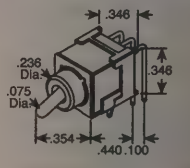
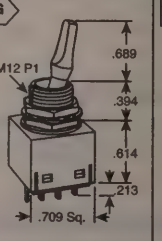


G



H

NKK

Toggle Switches

MOUSER ELECTRONICS a tti company (800) 346-6873

NKK SWITCHES

SERIES: WASHABLE ULTRA-MINIATURE TOGGLES

cifications:
VA max. @ 28VAC/DC max.

Features:
- Ultra-miniature size for high density mounting
- Extremely light weight, 0.25 g
- Totally sealed body construction
- .100" x .100" terminal spacing

omentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each 1	25	50
-G12AP	G12AP	A	SPDT On-None-On	Straight	3.80	3.27	2.81
-G13AP	G13AP	A	SPDT On-Off-On	Straight	4.00	3.44	2.96
-G15AP	G15AP	A	SPDT On-None-(On)	Straight	4.15	3.57	3.07
-G22AP	G22AP	A	DPDT On-None-On	Straight	5.35	4.60	3.96
-G23AP	G23AP	A	DPDT On-Off-On	Straight	5.80	4.99	4.29
-G25AP	G25AP	A	DPDT On-None-(On)	Straight	5.90	5.07	4.37
-G12AH	G12AH	B	SPDT On-None-On	Right angle	4.38	3.77	3.24
-G13AH	G13AH	B	SPDT On-Off-On	Right angle	4.58	3.94	3.39
-G22AH	G22AH	B	DPDT On-None-On	Right angle	6.45	5.55	4.77
-G23AH	G23AH	B	DPDT On-Off-On	Right angle	6.90	5.93	5.11
-G12AV	G12AV	C	SPDT On-None-On	Vertical	4.38	3.77	3.24
-G13AV	G13AV	C	SPDT On-Off-On	Vertical	4.58	3.94	3.39
-G22AV	G22AV	C	DPDT On-None-On	Vertical	6.45	5.55	4.77
-G23AV	G23AV	C	DPDT On-Off-On	Vertical	6.90	5.93	5.11

SERIES: WASHABLE ANTISTATIC SUBMINIATURE TOGGLES

cifications:
tic capability: 3 kilovolts ESD
VA max. @ 28VAC/DC max.

Features:
- Saves space on PC boards
- Developed for logic-level applications
- Totally sealed body construction
- .100" x .100" terminal spacing

omentary

For quantities of 100 and up, call for quote.

-B12AB	B12AB	D	SPDT On-None-On	Straight w/bracket	3.80	3.27	2.81
-B13AB	B13AB	D	SPDT On-Off-On	Straight w/bracket	3.95	3.40	2.92
-B22AB	B22AB	D	DPDT On-None-On	Straight w/bracket	5.15	4.43	3.81
-B23AB	B23AB	D	DPDT On-Off-On	Straight w/bracket	5.50	4.73	4.07
-B12AH	B12AH	E	SPDT On-None-On	Right angle	4.10	3.53	3.03
-B22AH	B22AH	E	DPDT On-None-On	Right angle	5.45	4.69	4.03
-B23AH	B23AH	E	DPDT On-Off-On	Right angle	5.80	4.99	4.29
-B25AH	B25AH	E	DPDT On-None-(On)	Right angle	5.95	5.12	4.40
-B28AH	B28AH	E	DPDT (On)-Off-(On)	Right angle	6.70	5.76	4.96
-B29AH	B29AH	E	DPDT On-Off-(On)	Right angle	6.70	5.76	4.96
-B12AV	B12AV	F	SPDT On-None-On	Vertical	4.10	3.53	3.03
-B22AV	B22AV	F	DPDT On-None-On	Vertical	5.45	4.69	4.03
eaded Bushing							
-B12A1P	B12A1P	G	SPDT On-None-On	Straight	8.25	6.60	6.19
-B13A1P	B13A1P	G	SPDT On-Off-On	Straight	8.40	6.72	6.30
-B22A1P	B22A1P	G	DPDT On-None-On	Straight	9.30	7.44	6.98
-B23A1P	B23A1P	G	DPDT On-Off-On	Straight	9.65	7.72	7.24
king Lever							
-B12LB	B12LB	H	SPDT On-None-On	Straight w/bracket	5.92	5.33	4.74
-B13LB	B13LB	H	SPDT On-Off-On	Straight w/bracket	6.07	5.46	4.86
-B22LB	B22LB	H	DPDT On-None-On	Straight w/bracket	7.27	6.54	5.82
-B23LB	B23LB	H	DPDT On-Off-On	Straight w/bracket	7.62	6.86	6.10

2T SERIES: WASHABLE MINIATURE TOGGLES

cifications:
ver: 6A @ 125VAC & 3A @ 250VAC
- Gold: 0.4VA max. @ 28VAC/DC max.
- UL94V-0 Rated

omentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each 1	25	50
ight PC							
-M2T12SA5G03	M2T12SA5G03	I	SPDT On-None-On	Gold	4.31	4.00	3.56
-M2T12SA5W03	M2T12SA5W03	I	SPDT On-None-On	Silver	3.77	3.50	3.12
-M2T13SA5G03	M2T13SA5G03	I	SPDT On-Off-On	Gold	4.76	4.40	3.93
-M2T13SA5W03	M2T13SA5W03	I	SPDT On-Off-On	Silver	4.22	3.90	3.48
-M2T18SA5G03	M2T18SA5G03	I	SPDT (On)-Off-(On)	Gold	5.31	4.92	4.39
-M2T22SA5G03	M2T22SA5G03	J	DPDT On-None-On	Gold	6.72	6.22	5.54
-M2T22SA5W03	M2T22SA5W03	J	DPDT On-None-On	Silver	5.64	5.22	4.65
ht Angle PC							
-M2T12S4A5G30	M2T12S4A5G30	K	SPDT On-None-On	Gold	4.85	4.50	4.01
-M2T12S4A5W30	M2T12S4A5W30	K	SPDT On-None-On	Silver	4.31	4.00	3.56
-M2T13S4A5G30	M2T13S4A5G30	K	SPDT On-Off-On	Gold	5.30	4.90	4.37
-M2T18S4A5G30	M2T18S4A5G30	K	SPDT (On)-Off-(On)	Gold	5.85	5.42	4.83
tical PC							
-M2T12S4A5G40	M2T12S4A5G40	L	SPDT On-None-On	Gold	5.11	4.74	4.22
-M2T12S4A5W40	M2T12S4A5W40	L	SPDT On-None-On	Silver	4.57	4.24	3.78
-M2T13S4A5G40	M2T13S4A5G40	L	SPDT On-Off-On	Gold	5.56	5.14	4.59
-M2T18S4A5G40	M2T18S4A5G40	L	SPDT (On)-Off-(On)	Gold	6.11	5.66	5.05
-M2T22S4A5G40	M2T22S4A5G40	M	DPDT On-None-On	Gold	8.32	7.70	6.86

VIRONMENTALLY SEALED TOGGLE SWITCHES

cifications:
ver rating: 10A @125VAC/30VDC, 6A @ 250VAC
94V-O Standard

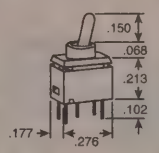
- Leads: AWG 16 heat resistant PVC
- Sealing at front and back panel meets IP67 & IP60 of IEC529

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each 1	25	50	100
-WT11S	WT11S	N	SPST On-None-Off	Solder Lug	10.18	9.35	8.80	8.25
-WT11T	WT11T	N	SPST On-None-Off	Screw Lug	10.90	10.01	9.42	8.83
-WT11L	WT11L	N	SPST On-None-Off	Wire Leads	24.42	22.44	21.12	19.80
-WT12S	WT12S	N	SPDT On-None-On	Solder Lug	10.79	9.91	9.33	8.75
-WT12T	WT12T	N	SPDT On-None-On	Screw Lug	11.51	10.57	9.95	9.33
-WT12L	WT12L	N	SPDT On-None-On	Wire Leads	25.03	23.00	21.65	20.30
-WT13S	WT13S	N	SPDT On-Off-On	Solder Lug	11.34	10.42	9.81	9.21
-WT13T	WT13T	N	SPDT On-Off-On	Screw Lug	12.06	11.08	10.43	9.79
-WT13L	WT13L	N	SPDT On-Off-On	Wire Leads	25.59	23.51	22.13	20.76
-WT21S	WT21S	N	DPST On-None-Off	Solder Lug	14.91	13.70	12.90	12.10
-WT21T	WT21T	N	DPST On-None-Off	Screw Lug	16.34	15.01	14.13	13.25
-WT21L	WT21L	N	DPST On-None-Off	Wire Leads	35.26	32.40	30.50	28.60
-WT22S	WT22S	N	DPDT On-None-On	Solder Lug	15.52	14.26	13.42	12.59
-WT22T	WT22T	N	DPDT On-None-On	Screw Lug	16.84	15.47	14.56	12.82
-WT22L	WT22L	N	DPDT On-None-On	Wire Leads	35.87	32.96	31.02	29.09
-WT23S	WT23S	N	DPDT On-Off-On	Solder Lug	16.89	15.52	14.61	13.70
-WT23T	WT23T	N	DPDT On-Off-On	Screw Lug	18.32	16.83	15.84	14.85
-WT23L	WT23L	N	DPDT On-Off-On	Wire Leads	37.24	34.22	32.21	30.20

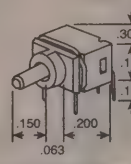
DIMENSIONS (IN)

A



Single Pole Illustrated

B



Single Pole Illustrated

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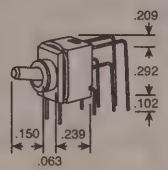

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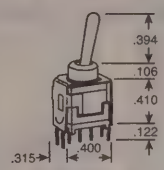

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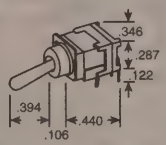

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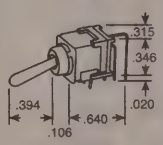

Single Pole Illustrated

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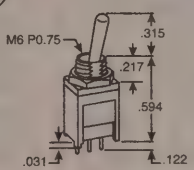

Single Pole Illustrated

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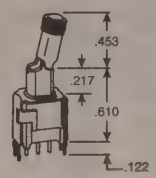

Single Pole Illustrated

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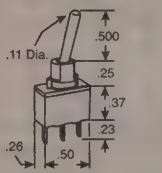

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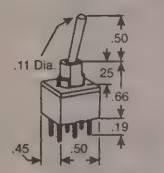

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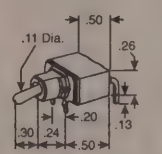

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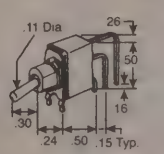

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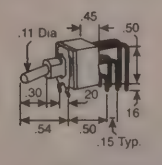

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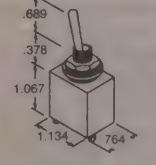


NKK Standard Size Med-High Capacity Toggle Switches

NKK SWITCHES

S SERIES

Specifications:

- 15A to 50A Rating
- 1 to 4 poles
- Bushing Mount
- Locking Lever available
- Panel Seal versions meet IP67 Standard

()=Momentary

For quantities of 500 and up, call for quote.

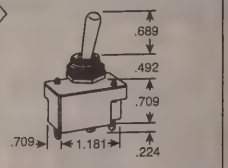
MOUSER STOCK NO.	NKK Pt. No.	Fig.	Circuit	Resistive Load AC 125V	Resistive Load AC 250V	Resistive Load DC 30V	Inductive AC 125V PF 0.6	Price Each 1	25	50	100
Medium Capacity, Solder Lug Termination											
633-S1A	S1A	A	SPST On-None-Off	15A	6A	20A	8A	3.25	2.95	2.69	2.51
633-S2A	S2A	A	SPDT On-None-On	15A	6A	20A	8A	3.70	3.37	3.06	2.86
633-S3A	S3A	A	SPDT On-Off-On	15A	6A	20A	8A	3.80	3.45	3.14	2.93
633-S21A	S21A	A	DPST On-None-Off	15A	15A	15A	8A	4.40	4.16	3.92	3.68
633-S6A	S6A	A	DPDT On-None-On	20A	10A	20A	8A	5.25	4.97	4.68	4.39
633-S7A	S7A	A	DPDT On-Off-On	20A	10A	20A	8A	5.30	5.01	4.72	4.43
Medium Capacity, Quick Connect Termination											
633-S1F	S1F	B	SPST On-None-Off	15A	6A	20A	8A	3.55	3.22	2.93	2.73
633-S2F	S2F	B	SPDT On-None-On	15A	6A	20A	8A	4.15	3.76	3.42	3.19
633-S3F	S3F	B	SPDT On-Off-On	15A	6A	20A	8A	4.30	3.91	3.56	3.32
633-S21F	S21F	B	DPST On-None-Off	15A	15A	15A	8A	5.20	4.72	4.29	4.00
633-S6F	S6F	B	DPDT On-None-On	20A	10A	20A	8A	6.35	5.76	5.24	4.89
633-S7F	S7F	B	DPDT On-Off-On	20A	10A	20A	8A	6.40	5.81	5.28	4.93
Medium Capacity, Solder Lug Termination with Locking Lever & Panel Seal											
633-S1AL	S1AL	C	SPST On-None-Off	15A	6A	20A	8A	10.25	9.70	9.13	8.57
633-S2AL	S2AL	C	SPDT On-None-On	15A	6A	20A	8A	11.35	10.74	10.11	9.49
633-S3AL	S3AL	C	SPDT On-Off-On	15A	6A	20A	8A	11.60	10.97	10.34	9.70
633-S21AL	S21AL	C	DPST On-None-Off	15A	15A	15A	8A	12.60	11.92	11.23	10.53
633-S6AL	S6AL	C	DPDT On-None-On	20A	10A	20A	8A	13.60	12.87	12.12	11.37
633-S7AL	S7AL	C	DPDT On-Off-On	20A	10A	20A	8A	13.70	12.96	12.21	11.45
Medium Capacity, Solder Lug Termination with Panel Seal											
633-S1AW	S1AW	D	SPST On-None-Off	15A	6A	20A	-	8.10	7.67	7.23	6.78
633-S2AW	S2AW	D	SPDT On-None-On	15A	6A	20A	-	8.80	8.32	7.84	7.36
633-S3AW	S3AW	D	SPDT On-Off-On	15A	6A	20A	-	9.25	8.75	8.24	7.73
633-S5AW	S5AW	D	SPDT On-None-(On)	15A	6A	20A	-	8.40	7.95	7.48	7.02
633-S8AW	S8AW	D	SPDT (On)-Off-(On)	15A	6A	20A	-	8.85	8.37	7.89	7.40
633-S9AW	S9AW	D	SPDT On-Off-(On)	15A	6A	20A	-	8.85	8.37	7.89	7.40
633-S21AW	S21AW	D	DPST On-None-Off	15A	15A	15A	-	10.15	9.60	9.04	8.49
633-S6AW	S6AW	D	DPDT On-None-On	20A	10A	20A	-	11.45	10.83	10.20	9.57
633-S7AW	S7AW	D	DPDT On-Off-On	20A	10A	20A	-	11.50	10.88	10.25	9.61
633-S25AW	S25AW	D	DPDT On-None-(On)	15A	6A	20A	-	11.50	10.88	10.25	9.61
633-S28AW	S28AW	D	DPDT (On)-Off-(On)	15A	6A	20A	-	11.95	11.30	10.65	9.99
633-S29AW	S29AW	D	DPDT On-Off-(On)	15A	6A	20A	-	11.95	11.30	10.65	9.99
Medium/High Capacity, Solder Lug Termination											
633-S305	S305	E	SPDT On-None-(On)	15A	6A	20A	8A	4.55	4.13	3.75	3.50
633-S308	S308	E	SPDT (On)-Off-(On)	15A	6A	20A	8A	4.65	4.22	3.84	3.58
633-S309	S309	E	SPDT On-Off-(On)	15A	6A	20A	8A	4.80	4.36	3.96	3.70
633-S335	S335	F	DPDT On-None-(On)	15A	6A	20A	8A	7.30	6.63	6.03	5.63
633-S338	S338	F	DPDT (On)-Off-(On)	15A	6A	20A	8A	7.95	7.21	6.56	6.12
633-S339	S339	F	DPDT On-Off-(On)	15A	6A	20A	8A	7.95	7.21	6.56	6.12
633-S31	S31	G	3PST On-None-Off	25A	9A	20A	10A	8.76	7.95	7.23	6.75
633-S32	S32	G	3PDT On-None-On	25A	9A	20A	10A	9.00	8.17	7.43	6.93
633-S33	S33	G	3PDT On-Off-On	25A	9A	20A	10A	9.70	8.81	8.01	7.48
633-S35	S35	G	3PDT On-None-(On)	15A	6A	20A	8A	9.70	8.81	8.01	7.48
633-S41	S41	G	4PST On-None-Off	25A	9A	20A	10A	10.35	9.39	8.54	7.97
633-S42	S42	G	4PDT On-None-On	25A	9A	20A	10A	10.35	9.39	8.54	7.97
633-S43	S43	G	4PDT On-Off-On	25A	9A	20A	10A	11.15	10.11	9.20	8.58
633-S45	S45	G	4PDT On-None-(On)	15A	6A	20A	8A	11.15	10.11	9.20	8.58
Medium/High Capacity, Quick Connect Termination											
633-S31F	S31F	H	3PST On-None-Off	25A	9A	20A	10A	9.45	8.58	7.80	7.28
633-S32F	S32F	H	3PDT On-None-On	25A	9A	20A	10A	9.70	8.81	8.01	7.48
633-S33F	S33F	H	3PDT On-Off-On	25A	9A	20A	10A	10.40	9.44	8.58	8.01
633-S41F	S41F	H	4PST On-None-Off	25A	9A	20A	10A	10.95	9.93	9.03	8.43
633-S42F	S42F	H	4PDT On-None-On	25A	9A	20A	10A	11.25	10.21	9.29	8.67
633-S43F	S43F	H	4PDT On-Off-On	25A	9A	20A	10A	12.05	10.94	9.95	9.28
Medium/High Capacity, Screw Lug Termination											
633-S301T	S301T	I	SPST On-None-Off	15A	6A	20A	10A	4.50	4.09	3.72	3.47
633-S302T	S302T	I	SPDT On-None-On	15A	6A	20A	10A	4.65	4.22	3.84	3.58
633-S303T	S303T	I	SPDT On-Off-On	15A	6A	20A	10A	4.90	4.46	4.05	3.78
633-S305T	S305T	I	SPDT On-None-(On)	15A	6A	20A	8A	4.80	4.36	3.96	3.70
633-S308T	S308T	I	SPDT (On)-Off-(On)	15A	6A	20A	8A	5.30	4.82	4.38	4.09
633-S309T	S309T	I	SPDT On-Off-(On)	15A	6A	20A	8A	5.30	4.82	4.38	4.09
633-S331T	S331T	J	DPST On-None-Off	15A	15A	15A	10A	6.90	6.27	5.70	5.32
633-S332T	S332T	J	DPDT On-None-On	15A	15A	15A	10A	7.25	6.58	5.99	5.59
633-S333T	S333T	J	DPDT On-Off-On	15A	15A	15A	10A	8.15	7.39	6.72	6.27
633-S335T	S335T	J	DPDT On-None-(On)	15A	6A	20A	8A	8.35	7.57	6.89	6.43
633-S338T	S338T	J	DPDT (On)-Off-(On)	15A	6A	20A	8A	8.75	7.94	7.22	6.73
633-S339T	S339T	J	DPDT On-Off-(On)	15A	6A	20A	8A	9.00	8.17	7.43	6.93
High Capacity, Screw Lug Termination											
633-S821	S821	K	DPST On-None-Off	30A	30A	30A	30A	20.90	18.98	17.25	16.10
633-S822	S822	K	DPDT On-None-On	30A	30A	30A	30A	21.70	19.70	17.91	16.72
633-S823	S823	K	DPDT On-Off-On	30A	30A	30A	30A	21.50	19.52	17.75	16.56
633-S831	S831	K	3PST On-None-Off	30A	30A	30A	30A	30.75	27.90	25.37	23.67
633-S832	S832	K	3PDT On-None-On	30A	30A	30A	30A	37.10	33.68	30.62	28.57
633-S833	S833	K	3PDT On-Off-On	30A	30A	30A	30A	37.15	33.71	30.65	28.60
633-S732	S732	L	DPDT On-None-On	50A	30A	50A	25A	50.30	45.66	41.51	38.74

Accessories for S Series

MOUSER STOCK NO.	NKK Pt. No.	Fig.	Description	Price Each 1	25	50	100
633-AT201	AT201	M	On-Off Plate	.60	.48	.43	.38
633-AT202	AT202	N	On-Off Plate Red/Black	1.80	1.44	1.30	1.15
633-AT214	AT214	M	On-Off Plate Red/Black	1.80	1.44	1.30	1.15
633-AT401	AT401A	O	Splashproof Half-Boot, Black	2.60	2.08	1.87	1.66
633-AT402	AT402A	P	Splashproof Full-Boot, Black	3.40	2.72	2.45	2.18

DIMENSIONS (IN)

A



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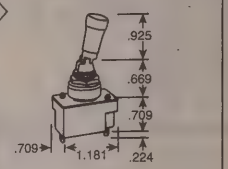

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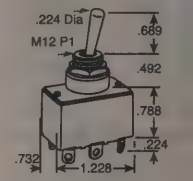

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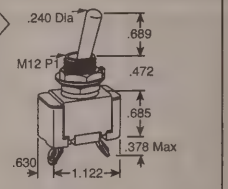

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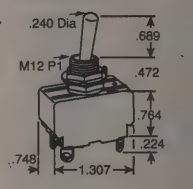

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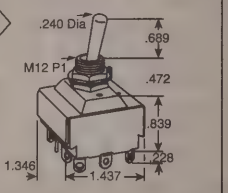

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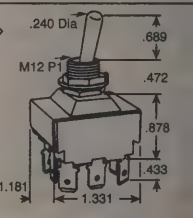

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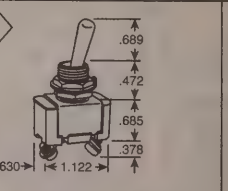

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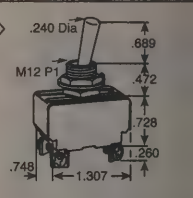

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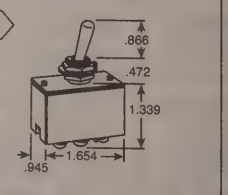

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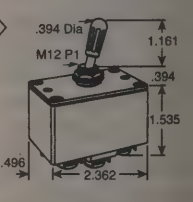

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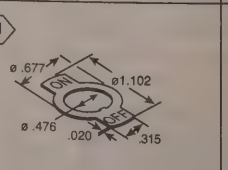

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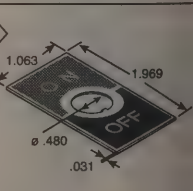

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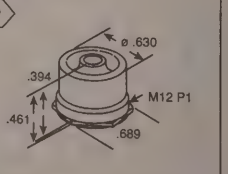

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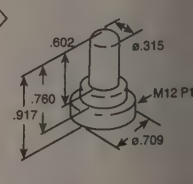


NKK

Toggle Switches

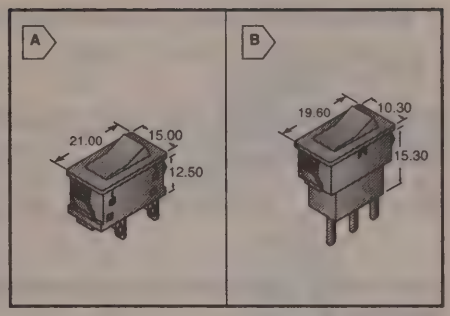
MOUSER ELECTRONICS a tti company

(800) 346-6873

APEM APPLIANCE STYLE ROCKER SWITCHES

For quantities of 1000 and up, call for quote.

DIMENSIONS (IN.)

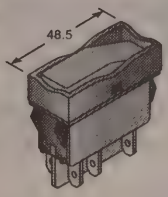


MOUSER STOCK NO.	Apem Part No.	Fig.	Function	Terminal	Price Each 1	25	100	500
-FMC12A220	FMC12A220	A	SPST On - Off	Solder	0.92	0.88	0.82	0.77
-FMC32A220	FMC32A220	A	SPST Off - (Mom)	Solder	1.86	1.75	1.65	1.56
-FMC62A220	FMC62A220	A	SPDT On - On	Solder	1.14	1.07	1.01	0.95
-FML18A276A0	FML18A276A0	A	SPST On - Off Illum. Red	Quick-connect	2.12	2.01	1.89	1.77
-FMC92A220	FMC92A220	A	SPDT On Off On	PC	1.23	1.16	1.09	1.02
-AS36S010010	AS36S010010	B	SPDT On - On	Solder	2.23	2.11	1.98	1.86
-AS39S010010	AS39S010010	B	SPDT On - Off - On	Solder	2.15	2.03	1.91	1.80
-AS37S010010	AS37S010010	B	SPDT (Mom) - Off - (Mom)	Solder	2.60	2.45	2.31	2.16
-AS36P0	AS36P0	B	SPDT On - On	PC	1.95	1.84	1.73	1.62
-AS39P0	AS39P0	B	SPDT On - Off - On	PC	2.15	2.03	1.91	1.80

APEM POWER ROCKER SWITCHES

For quantities of 1000 and up, call for quote.

DIMENSIONS (IN.)



MOUSER STOCK NO.	Apem Part No.	Function	Price Each 1	25	100	500
n-Illuminated						
-KG312A2XXA21	KG312A2XXA21	SPST On - Off	4.12	3.89	3.66	3.44
-KG362A2XXA21	KG362A2XXA21	SPDT On - On	6.05	5.71	5.38	5.04
-KG372A2XXA21	KG372A2XXA21	SPDT (Mom) - Off (Mom)	8.32	7.85	7.39	6.93
-KG412A2XXA21	KG412A2XXA21	DPST On - Off	4.57	4.32	4.06	3.81
-KG452A2XXA21	KG452A2XXA21	DPDT (Mom) - On	9.62	9.09	8.55	8.02
-KG462A2XXA21	KG462A2XXA21	DPDT On - On	7.67	7.25	6.82	6.39
minated - Red lens - 12V Red L.E.D.						
-KG312A2DXA246	KG312A2DXA246	SPST On - Off	8.98	8.48	7.98	7.48
-KG352A2DXA246	KG352A2DXA246	SPDT (Mom) - On	11.30	10.67	10.05	9.42
-KG362A2DXA246	KG362A2DXA246	SPDT On - On	8.98	8.48	7.98	7.48
-KG412A2DXD246	KG412A2DXD246	DPST On - Off	8.10	7.65	7.20	6.75
-KG452A2DXA246	KG452A2DXA246	DPDT (Mom) - On	12.51	11.82	11.12	10.43
-KG462A2DXA246	KG462A2DXA246	DPDT On - On	10.66	10.07	9.48	8.88

Carling Technologies V SERIES: CONTURA SEALED ROCKER SWITCHES

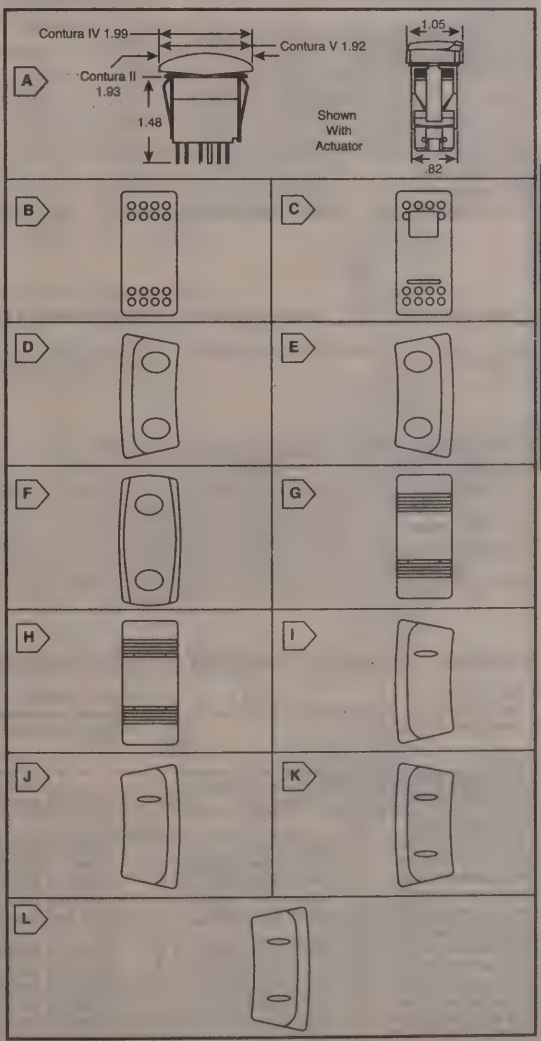
cifications:
66/IP68 certified
eet UL1500/ISO8846 for ignition protection
mperature range: 40°C to +85°C
ating: 20A @ 12VDC
rmination: 10 terminals, .250 QC without barriers
Momentary

DIMENSIONS (IN.)

Flexibility of options with interchangeable actuators (sold separately below)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Price Each 1	25	50	100
itch Body Only, No Lamps								
-V2D2S00B	V2D2S00B-00000-000	A	SPST	(ON)-OFF	4.14	2.99	2.74	2.49
tuators for Switches With No Lamps or LEDs								
-VVAZC	VVAZC00-000	B		Black, hard, raised bumps each end	1.03	.82	.72	.64
-VVAZB	VVAZB00-000	B		Black, soft, raised bumps each end	1.65	1.32	1.16	1.02
itch Body Only With 1 12V Amber LED and 1 12V Superbright Green LED								
-V1D2GHNB	V1D2GHNB-00000-000	A	SPST	ON-OFF	9.14	6.59	6.04	5.49
-V2D2GHNB	V2D2GHNB-00000-000	A	SPST	(ON)-OFF	9.60	6.91	6.34	5.76
-VGD2GHNB	VGD2GHNB-00000-000	A	SPDT	OFF-ON-ON	12.39	8.93	8.18	7.44
-V4D2GHNB	V4D2GHNB-00000-000	A	SPST	ON-ON	9.72	7.00	6.42	5.84
-V6D2GHNB	V6D2GHNB-00000-000	A	SPDT	ON-OFF-ON	9.72	7.00	6.42	5.84
-VED2GHNB	VED2GHNB-00000-000	A	SPDT	ON-ON-ON	13.26	9.54	8.75	7.95
-V8D2GHNB	V8D2UHNB-00000-000	A	SPDT	(ON)-OFF-(ON)	10.31	7.42	6.80	6.18
-VLD2GHNB	VLD2GHNB-00000-000	A	DPDT	(ON)-OFF-(ON)	12.78	9.20	8.43	7.67
tuators for Switches With LEDs								
-VVAAC	VVAAC00-000	C		Contura II, Black w/ white square lens, white bar	1.03	.82	.72	.64
-VVEAC	VVEAC00-000	D		Contura IV, Black w/ white dual round lenses	1.11	.88	.77	.68
-VVFAC	VVFAC00-000	E		Contura IV, Black w/ white dual round lenses	1.11	.88	.77	.68
-VVGAC	VVGAC00-000	F		Contura V, Black w/ white dual round lenses	1.11	.88	.77	.68
itch Body Only With 1 12V Incandescent Lamp								
-V1D2B60B	V1D2B60B-00000-000	A	SPST	ON-OFF	5.33	3.83	3.51	3.20
-V8D2B60B	V8D2B60B-00000-000	A	SPDT	(ON)-OFF-(ON)	6.50	4.68	4.29	3.90
itch Body Only With 2 12V Incandescent Lamps								
-V4D2D66B	V4D2D66B-00000-000	A	SPST	ON-ON	7.56	5.44	4.98	4.53
-V6D2D66B	V6D2D66B-00000-000	A	SPDT	ON-OFF-ON	7.56	5.44	4.98	4.53
tuators for Switches With Incandescent Lamps								
-VVCMC	VVCMC00-000	G		Contura III, Red bar lens one end	1.03	.82	.72	.64
-VVCNC	VVCNC00-000	H		Contura III, 2 red bar lenses, 1 each end	1.03	.82	.72	.64
-VVEMC	VVEMC00-000	I		Contura IV, Red bar lens one end	1.11	.88	.77	.68
-VVFMC	VVFMC00-000	J		Contura IV, Red bar lens one end	1.11	.88	.77	.68
-VVENC	VVENC00-000	K		Contura IV, 2 red bar lenses, 1 each end	1.11	.88	.77	.68
-VVFNC	VVFNC00-000	L		Contura IV, 2 red bar lenses, 1 each end	1.11	.88	.77	.68
ols and Accessories for Contura Switches								
-VRT	VRT			Actuator removal tool	2.40	2.16	1.92	1.68
-VPS-01	VPS-01			Panel seal	.82	.66	.59	.52
-VC1-01	VC1-01			10 terminal connector	1.00	.80	.70	.62
-VH2-01	VH2-01			Hole plug	1.25	1.00	.90	.80
-VM3-01	VM3-01			3-gang mounting bracket	3.75	3.00	2.70	2.40



T SERIES: MINI-TIPPETTE SNAP-IN ROCKER SWITCHES

- Contact Rating: 10A 250VAC; 15A 125VAC; 3/4HP 125-250VAC
- Termination: .250 QC Tab
- Actuator/Bezel color: Black/Black

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	50	100
691-TA201-TB-B	TA201-TB-B	A	SPST	On-None-Off	1.72	1.38	1.21	1.07
691-TB201-TB-B	TB201-TB-B	A	SPDT	On-None-On	2.31	1.84	1.61	1.43
691-TC201-TB-B	TC201-TB-B	A	SPDT	On-Off-On	2.38	1.90	1.66	1.47

LTA SERIES: MINI-TIPPETTE ILLUMINATED SNAP-IN ROCKER SWITCHES

- Circuit: SPST OFF-ON
- Contact Rating: 10A 250VAC; 15A 125VAC; 3/4HP 125-250VAC
- Actuator: Transculent
- Termination: 250 QC Tab
- Bezel color: Black

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Lens Color	Lamp Type and Voltage	Price Each			
					1	25	50	100
691-LTA201TAB/12V	LTA201-TA-B/12V	B	Amber	12 V Incandes. lamp	4.05	3.14	2.75	2.46
691-LTA201TRB/12V	LTA201-TR-B/12V	B	Red	12 V Incandes. lamp	4.05	3.14	2.75	2.46
691-LTA201TAB/125N	LTA201-TA-B/125N	B	Amber	125 V Neon lamp	3.80	2.96	2.59	2.22
691-LTA201TRB/125N	LTA201-TR-B/125N	B	Red	125 V Neon lamp	3.80	2.96	2.59	2.22
691-LTA201TAB/250N	LTA201-TA-B/250N	B	Amber	250 V Neon lamp	3.80	2.96	2.59	2.22
691-LTA201TRB/250N	LTA201-TR-B/250N	B	Red	250 V Neon lamp	3.80	2.96	2.59	2.22

TIG SERIES: FULL SIZE TIPPETTE ROCKER SWITCHES

- Rating: 10A @250VAC/15A@125VAC/3/4HP 125-250VAC
- Termination: .250 QC Tab
- Actuator: Black, glossy finish, smooth curved
- Bracket: Black glossy finish

( ) Momentary

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	50	100
691-TIGK516SBLNBL	TIGK51-6S-BL-NBL	C	DPST	ON-OFF	6.32	4.72	4.10	3.82
691-TIGK5B6SBLNBL	TIGK5B-6S-BL-NBL	C	DPST	(ON)-OFF	6.32	4.72	4.10	3.82
691-TIGK5M6SBLNBL	TIGK5M-6S-BL-NBL	C	DPST	ON-(OFF)	6.32	4.72	4.10	3.82
691-TIGL516SBLNBL	TIGL51-6S-BL-NBL	C	DPST	ON-ON	5.83	4.43	3.73	3.50
691-TIGL5B6SBLNBL	TIGL5B-6S-BL-NBL	C	DPST	ON-(ON)	6.32	4.72	4.10	3.84
691-TIGM516SBLNBL	TIGM51-6S-BL-NBL	C	DPDT	ON-OFF-ON	5.83	4.43	3.73	3.50
691-TIGM5B6SBLNBL	TIGM5B-6S-BL-NBL	C	DPDT	ON-OFF-(ON)	7.13	5.41	4.56	4.28
691-TIGM5M6SBLNBL	TIGM5M-6S-BL-NBL	C	DPDT	(ON)-OFF-(ON)	7.13	5.41	4.56	4.28

LTIG SERIES: ILLUMINATED FULL SIZE TIPPETTE ROCKER SWITCHES

- Rating: 10A @250VAC/15A@125VAC/3/4HP 125-250VAC
- Termination: .250 QC Tab
- Illumination: 12VDC incandescent lamp
- Actuator: Red, glossy finish, smooth curved with red lens
- Bracket: Black glossy finish

( ) Momentary

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	50	100
691-LTIGK516SBLNBL	LTIGK51-6S-BL-RC-NBL-12V	D	DPST	ON-OFF	7.77	6.06	5.30	4.55
691-LTIGL516SBLNBL	LTIGL51-6S-BL-RC-NBL-12V	D	DPST	ON-ON	10.83	8.44	7.39	6.66
691-LTIGL5B6SBLNBL	LTIGL5B-6S-BL-RC-NBL-12V	D	DPST	ON-(ON)	11.66	9.10	7.96	6.83
691-LTIGM516SBLNBL	LTIGM51-6S-BL-RC-NBL-12V	D	DPDT	ON-OFF-ON	10.83	8.44	7.39	6.66
691-LTIGM5B6SBLNBL	LTIGM5B-6S-BL-RC-NBL-12V	D	DPDT	ON-OFF-(ON)	11.66	9.10	7.96	6.83
691-LTIGM5M6SBLNBL	LTIGM5M-6S-BL-RC-NBL-12V	D	DPDT	(ON)-OFF-(ON)	11.66	9.10	7.96	6.83

R SERIES: CURVETTE SNAP-IN ROCKER SWITCHES

- Circuit: SPST OFF-ON
- Rating: 10A @250VAC/16A@125VAC/3/4HP 125-250VAC
- Termination: .250 QC Tab
- Actuator: Matte finish
- Visi-rocker actuator shows red to indicate "ON" position

( ) Momentary

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Legend	Actuator/ Bezel Color	Price Each			
					1	25	50	100
Standard actuator								
691-RA901RBB0N	RA901-RB-B-0-N	E	None	Black/Black	1.15	.92	.81	.71
691-RA901RWB0N	RA901-RW-B-0-N	E	None	White/Black	1.15	.92	.81	.71
691-RA901RWW0N	RA901-RW-W-0-N	E	None	White/White	1.15	.92	.81	.71
691-RA901RBBAN	RA901-RB-B-A-N	E	OFF-ON Vert.	Black/Black	1.25	1.00	.88	.78
691-RA901RBBFN	RA901-RB-B-F-N	E	ON-OFF Vert	Black/Black	1.25	1.00	.88	.78
Visi-rocker actuator								
691-RA901VBB0V	RA901-VB-B-0-V	E	None	Black/Black	1.25	1.00	.88	.78
691-RA901VBB1V	RA901-VB-B-1-V	E	OFF-ON Vert.	Black/Black	1.25	1.00	.88	.78
691-RA901VBB2V	RA901-VB-B-2-V	E	OFF-ON Hor.	Black/Black	1.25	1.00	.88	.78
691-RA901VBB9V	RA901-VB-B-9-V	E	O-I Vert.	Black/Black	1.25	1.00	.88	.78
691-RA901VWW1V	RA901-VW-W-1-V	E	OFF-ON Vert.	White/White	1.35	1.08	.95	.84

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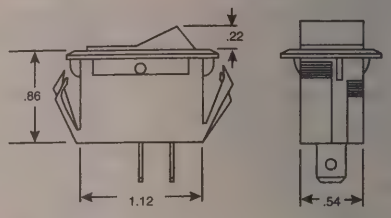

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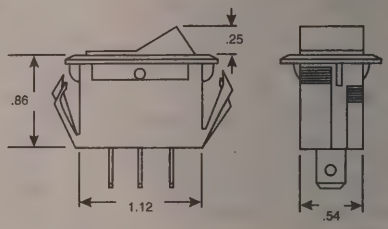

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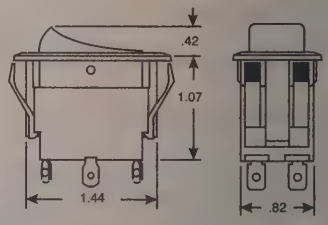

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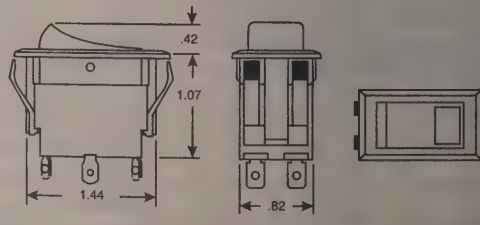

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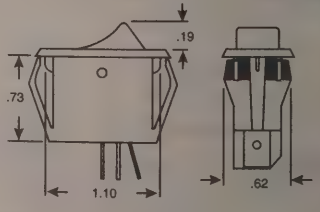

NIATURE ROCKER SWITCHES

cifications:
electric Strength: 1000 VAC for 1 minute
sulation Resistance: 10^8 Ω min at 500VDC
part numbers have a black bezel.
7" Q.C. Terminals

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color/ Legend	Price Each 1	10	50	100
Series - Power Rating: 12A 125/250VAC (UL, cUL) 16A (4) 250V~, T125/55 (VDE)								
-FRH32A2BBBNN	FRH32A2BBBNN	A	DPST On-Off	Black / Blank	1.47	1.18	1.06	.96
-FRH32A2DBBNN	FRH32A2DBBNN	A	DPST On-Off	Black / ON OFF	1.47	1.18	1.06	.96
-FRH33A2BBBNN	FRH33A2BBBNN	A	DPST On-On	Black / Blank	1.67	1.34	1.21	1.09
Series - Power Rating: 10A 125VAC and 8A 250VAC								
-LRA32H2FBBNN	LRA32H2FBBNN	B	DPST On-Off	Black / O -	.90	.79	.72	.59
-LRA22H2BBRLN	LRA22H2BBRLN	B	SPST On-Off	Red Illuminated / Blank	1.03	.90	.82	.67
-LRA32H2BBRLN	LRA32H2BBRLN	B	DPST On-Off	Red Illuminated / Blank	1.10	.97	.88	.72
Series - Power Rating: 10A 125VAC and 6A 250VAC								
-SRB22A2FBBNN	SRB22A2FBBNN	C	SPST On-Off	Black / O -	.70	.62	.56	.46
-SRB23A2BBBNN	SRB23A2BBBNN	C	SPDT On-On	Black / Blank	.75	.66	.60	.49
-SRB24A2HBBNN	SRB24A2HBBNN	C	SPDT On-Off-On	Black / I O II	.88	.77	.70	.57
-SRB22A2DBBNN	SRB22A2DBBNN	C	SPST On-Off	Black / ON OFF	.68	.59	.54	.44

WER ROCKER SWITCHES

cifications:
electric Strength: 1000VAC for 1 minute
sulation Resistance: 10^8 Ω min at 500VDC
part numbers have a black bezel.
50" Q.C. Terminals

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color/ Legend	Price Each 1	10	50	100
Series - Power Rating: 20A 125VAC and 16A 250VAC								
-CRE22F2FBBNE	CRE22F2FBBNE	D	SPST On-Off	Black / O -	.85	.75	.68	.55
-CRE22F4BBBNE	CRE22F4BBBNE	D	SPST On-Off	Black-Red / Blank	.88	.77	.70	.57
-CRE24F2HBBNE	CRE24F2HBBNE	D	SPDT On-Off-On	Black / I O II	.95	.84	.76	.62
-CRE22F2BBRLE	CRE22F2BBRLE	D	SPST On-Off	Red Illuminated / Blank	1.08	.95	.86	.70
Series - Power Rating: 6A 125VAC and 3A 250VAC								
-PRK22J5BBBNN	PRK22J5BBBNN	E	SPST On-Off	Black / Blank	1.05	.84	.76	.68
-PRK22J5DBBNN	PRK22J5DBBNN	E	SPST On-Off	Black / On-Off	1.05	.84	.76	.68
Series - Power Rating: 16A 125VAC and 16A 250VAC								
-TRG22F2FBBNN	TRG22F2FBBNN	F	SPST On-Off	Black / O -	.94	.83	.75	.61
Series - Power Rating: 16A 125VAC and 16A 250VAC								
-WRG32F2FBBNN	WRG32F2FBBNN	G	DPST On-Off	Black / O -	1.25	1.10	1.00	.82

OUND ROCKER SWITCHES

cifications:
electric Strength: 1000VAC for 1 minute
sulation Resistance: 10^8 Ω min at 500VDC
37" Q.C. Terminals

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color/ Legend	Bezel Color	Lamp	Price Each 1	10	50	100
Series - Power Rating: 10A 125VAC and 8A 250VAC										
-RRA22H3BBBNN	RRA22H3BBBNN	H	SPST On-Off	Black / Blank	Black	----	.90	.79	.72	.59
-RRA22H3BWWNN	RRA22H3BWWNN	H	SPST On-Off	White / Blank	White	----	.90	.79	.72	.59
-RRA22H3BWRNN	RRA22H3BWRNN	H	SPST On-Off	Red / Blank	White	----	.90	.79	.72	.59
-RRA22H3FBBNN	RRA22H3FBBNN	H	SPST On-Off	Red / O -	Black	----	.90	.79	.72	.59
-RRA32H3FBBNN	RRA32H3FBBNN	H	DPST On-Off	Black / O -	Black	----	1.35	1.19	1.08	.88
-RRA22H3BBRLN	RRA22H3BBRLN	H	SPST On-Off	Red Illuminated / Blank	Black	125VAC	1.23	1.08	.98	.80
-RRA22H3BBGLN	RRA22H3BBGLN	H	SPST On-Off	Green Illuminated / Blank	Black	125VAC	1.23	1.08	.98	.80
-RRA22H3BBALN	RRA22H3BBALN	H	SPST On-Off	Amber Illuminated / Blank	Black	125VAC	1.23	1.08	.98	.80
-RRA32H3BBRLN	RRA32H3BBRLN	H	DPST On-Off	Red Illuminated / Blank	Black	125VAC	1.63	1.43	1.30	1.06
-RRA22H3BBRGN	RRA22H3BBRGN	H	SPST On-Off	Red Illuminated / Blank	Black	6VDC	1.23	1.08	.98	.80
-RRA22H3BBRHN	RRA22H3BBRHN	H	SPST On-Off	Red Illuminated / Blank	Black	12VDC	1.23	1.08	.98	.80
Series - Power Rating: 20A 125VAC and 12A 250VAC										
-SRJ22A3BBBNN	SRJ22A3BBBNN	I	SPST On-Off	Black / Blank	Black	----	1.13	.90	.81	.73
-SRJ23A3BBBNN	SRJ23A3BBBNN	I	SPST On-On	Black / Blank	Black	----	1.33	1.06	.95	.86
-SRJ24A3BBBNN	SRJ24A3BBBNN	I	SPDT On-Off-On	Black / Blank	Black	----	1.40	1.12	1.01	.91
-SRJ24A3HBBNN	SRJ24A3HBBNN	I	SPDT On-Off-On	Black / I O II	Black	----	1.40	1.12	1.01	.91

OMPACT ROCKER SWITCHES

cifications:
electric Strength: 1000VAC for 1 minute
sulation Resistance: 10^8 Ω min at 500VDC
Part numbers have a black Bezel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color/ Legend	Termination	Price Each 1	10	50	100
Series - Rating: 15A 125VAC and 10A 250VAC									
-GRF22N2BBBNN	GRF22N2BBBNN	J	SPST On-Off	Black / Blank	.250 Q.C.	.70	.62	.56	.46
-GRF22N2FBBNN	GRF22N2FBBNN	J	SPST On-Off	Black / O -	.250 Q.C.	.70	.62	.56	.46
-GRF23N2BBBNN	GRF23N2BBBNN	J	SPST On-On	Black / Blank	.250 Q.C.	.78	.68	.62	.51
-GRF22N2BBRLN	GRF22N2BBRLN	J	SPST On-Off	Red Illuminated / Blank	.250 Q.C.	.98	.86	.78	.64
-GRF22W2BBBNN	GRF22W2BBBNN	J	SPST On-Off	Black / Blank	Wire Lead 16 AWG	1.03	.90	.82	.67
-GRF23W2BBBNN	GRF23W2BBBNN	J	SPST On-On	Black / Blank	Wire Lead 16 AWG	1.28	1.12	1.02	.83
-GRF22N2DBBNN	GRF22N2DBBNN	J	SPST On-Off	Black / Off On	.250 Q.C.	.70	.62	.56	.46

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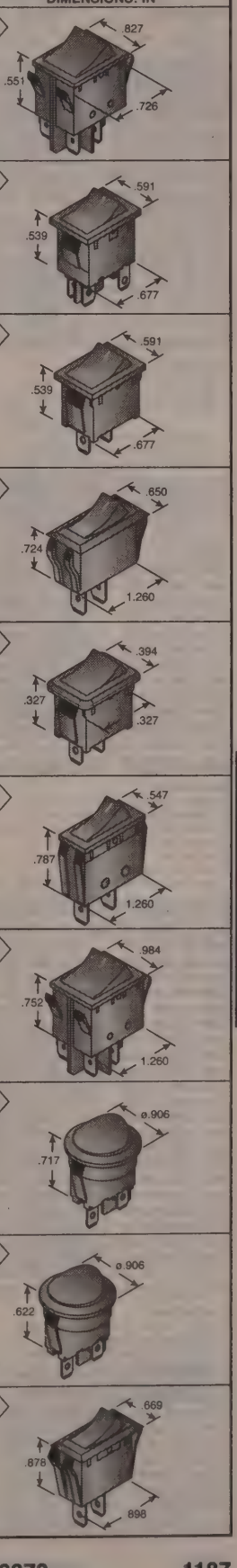

STYLELINE™ ROCKER SWITCHES

Specifications:
- Ratings: 16A @ 125VAC
- Terminals: .250" QC

Features:
- Ideal for use in appliances, test equipment, security systems, etc.
- Attractively styled

*SPDT-CO = SPDT-Center Off

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	CW Industries Part Number	Circuit	Type	Rocker Color	Price Each 1	10	100	500
Matte Finish								
629-GRS20112400	GRS-2011-2400	SPST	On-Off	Black	1.31	1.15	.87	.58
629-GRS20112401	GRS-2011-2401	SPST	On-Off	White	1.37	1.23	.92	.61
629-GRS20122400	GRS-2012-2400	SPDT	On-Off	Black	1.48	1.30	.99	.88
629-GRS20122401	GRS-2012-2401	SPDT	On-Off	White	1.55	1.36	1.03	.70
629-GRS2013A2400	GRS-2013A-2400	SPDT-CO*	On-Off-On	Black	1.91	1.68	1.28	.87
629-GRS2013A2401	GRS-2013A-2401	SPDT-CO*	On-Off-On	White	1.98	1.74	1.32	.90
Gloss Finish								
629-GRS20112500	GRS-2011-2500	SPST	On-Off	Black	1.31	1.15	.87	.58
629-GRS20112501	GRS-2011-2501	SPST	On-Off	White	1.37	1.23	.92	.61
629-GRS20122503	GRS-2012-2503	SPDT	On-Off	Black	1.48	1.30	.99	.67
629-GRS20122504	GRS-2012-2504	SPDT	On-Off	White	1.55	1.36	1.03	.70
629-GRS2013A2500	GRS-2013A-2500	SPDT-CO*	On-Off-On	Black	1.91	1.68	1.28	.87
629-GRS2013A2501	GRS-2013A-2501	SPDT-CO*	On-Off-On	White	1.98	1.74	1.32	.90

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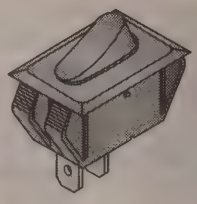

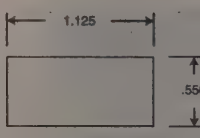

STANDARD ROCKER SWITCHES

Specifications:
- Contact resistance: < .01Ω @ 10mA
- Operating temperature: 105°C max.
- Dielectric withstand voltage: 2,500V, 60Hz for 1 minute
- Housing and knob material: nylon
- Terminal and contact material: copper
- Terminals: .250" QC

- Illuminated style has 120VAC neon bulb
- Markings are hot stamped

( ) = Momentary

Features:
- Crisp detent action
- Self cleaning contacts
- High current switching
- All 16A and non-illuminated have UL, CSA, and VDE approvals
- All 13A and illuminated have UL, CSA approvals

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	CW Industries Part Number	Circuit	Type	Rating Current	Rocker Color	Marking	Price Each 1	10	100	500
629-GRL20111600	GRL-2011-1600	SPST-NO	On-Off	16A	Red illum.	None	1.97	1.77	1.43	1.05
629-GRS20112019	GRS-2011-2019	SPST-NO	On-Off	16A	Red	None	1.10	.98	.70	.49
629-GRS20112080	GRS-2011-2080	SPST-NO	On-Off	16A	Black	Vertical I/O	1.20	1.05	.82	.55
629-GRS20113000	GRS-2011-3000	SPST-NO	On-Off	16A	Black	None	1.10	.98	.70	.49
629-GRS2011C2000	GRS-2011C-2000	SPST-NC	On-Mom	13A	Black	None	1.20	1.02	.82	.55
629-GRS201126	GRS-2011-2600	SPST	On-Off	16A	Black	None	.61	.55	.50	.47
629-GRS2011B2	GRS-2011B-2000	SPST-NO	Off-Mom	13A	Black	None	.76	.70	.59	.55
629-GRS201226	GRS-2012-2600	SPDT	On-Off	16A	Black	None	.97	.88	.76	.70
629-GRS20122028	GRS-2012-2028	SPDT	On-On	16A	Black	Vertical I/O	1.35	1.22	.90	.62
629-GRS20123000	GRS-2012-3000	SPDT	On-On	16A	Black	None	1.15	1.05	.80	.54
629-GRS2013A26	GRS-2013A-2600	SPDT	On-Off-On	16A	Black	None	.97	.88	.76	.70
629-GRS2013C13	GRS-2013C-1300	SPDT	(On)-Off-On	13A	Black	None	1.01	.92	.78	.72
629-GR20220007	GR-2022-0007	DPDT	On-On	16A	Black	None	3.02	2.70	2.01	1.37
629-GR20221600	GR-2022-1600	DPDT	On-On	16A	Black	Vertical I/O	2.85	2.55	1.92	1.29

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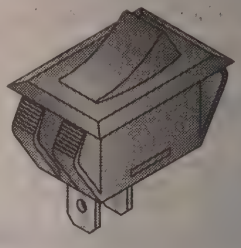

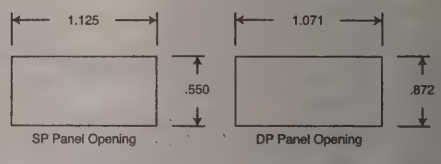

MINIATURE ROCKER SWITCHES

Specifications:
- Contact resistance: < .01Ω @ 10mA
- Operating temperature: 105°C max.
- Dielectric withstand voltage: 2,500V, 60Hz for 1 min.
- Housing and knob material: nylon
- Terminal and contact material: copper
- Terminals: .187" QC, except GRS-4011-0024 which has solder eyelet terminals

- Illuminated style has 120VAC neon bulb
- Markings are hot stamped

Features:
- Crisp detent action
- Self cleaning contacts
- High current switching
- All 16A and non-illuminated have UL, CSA, and VDE approvals
- All 13A and illuminated have UL, CSA approvals

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	CW Industries Part Number	Circuit	Type	Rating Current	Rocker Color	Marking	Price Each 1	10	100	500
629-GRS401116	GRS-4011-1600	SPST	On-Off	16A	Black	None	.72	.65	.61	.56
629-GRS401140	GRS-4011-0040	SPST	On-Off	16A	Red	None	.72	.65	.61	.56
629-GRS40110024	GRS-4011-0024	SPST	On-Off	16A	Black	None	1.20	1.05	.80	.69
629-GRL40111600	GRL-4011-1600	SPST	On-Off	16A	Red Illum.	None	2.35	2.10	1.55	1.22
629-GRS40110068	GRS-4011-0068	SPST	On-Off	16A	Black	Horiz I/O	1.11	1.00	.78	.60
629-GRS401176	GRS-4011-0076	SPST	On-Off	16A	Black	Vert I/O	.89	.81	.69	.64
629-GRS4011B13	GRS-4011B-1300	SPST	Off-Mom	13A	Black	None	.89	.81	.69	.64
629-GRS40120047	GRS-4012-0047	SPDT	On-On	16A	Black	Vert I/O	1.19	1.07	.85	.64
629-GRS4013A0008	GRS-4013A-0008	SPDT	On-Off-On	13A	Red	None	1.33	1.19	.95	.71
629-GRS401216	GRS-4012-1600	SPDT	On-On	16A	Black	None	.83	.75	.64	.59
629-GRS401226	GRS-4012-0026	SPDT	On-On	16A	Red	None	.83	.75	.64	.59
629-GRS4013A13	GRS-4013A-1300	SPDT	On-Off-On	13A	Black	None	1.04	.95	.80	.74
629-GRS4013C01	GRS-4013C-0001	SPDT	(On)-Off-(On)	13A	Black	None	1.04	.95	.80	.74
629-GRS4021B	GRS-4021B-0000	DPST	Off-(On)	13A	Black	None	1.24	1.13	.96	.89
629-GRS4023A0009	GRS-4023A-0009	DPDT	On-Off-On	13A	Red	None	2.10	1.84	1.40	.95
629-GRS4023C0005	GRS-4023C-0005	DPDT	(On)-Off-(On)	13A	Red	None	2.10	1.84	1.40	.95
629-GRS402216	GRS-4022-1600	DPDT	On-On	16A	Black	None	1.21	1.11	.94	.87
629-GRS402210	GRS-4022-0010	DPDT	On-On	16A	Red	None	1.21	1.11	.94	.87
629-GRS402213	GRS-4022-0013	DPDT	On-On	16A	Black	Vert I/O	1.30	1.18	1.00	.93
629-GRS4023A13	GRS-4023A-1300	DPDT	On-Off-On	13A	Black	None	1.39	1.27	1.07	.99
629-GRS4023C13	GRS-4023C-1300	DPDT	(On)-Off-(On)	13A	Black	None	1.41	1.28	1.08	1.00

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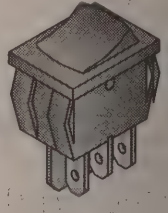
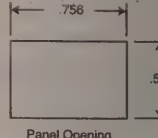




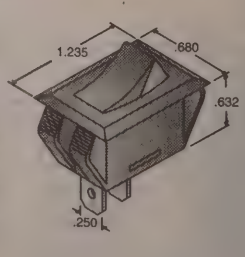
INDICON™ ROCKER SWITCHES

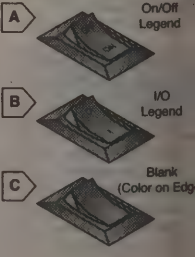
Specifications:
- Ratings: 16A @ 125VAC; 12A @ 250VAC
- Housing and knob material: nylon
- Terminal and contact material: copper

Features:
- Two-color knob provides positive indication of switch position
- Economical alternative to expensive lighted switches

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CW Industries Part Number	Fig.	Circuit	Indicator Color	Panel Openings	Price Each 1	10	100	500
629-AA111B11	NAA-111-BI11-00	A	SPST	Red	1.125 x .550	.67	.62	.52	.49
629-AA211B11	NAA-211-BI11-00	A	SPST	Red	1.072 x .480	.67	.62	.52	.49
629-AA211B21	NAA-211-BI21-00	B	SPST	Red	1.072 x .480	.67	.62	.52	.49
629-AA111B21	NAA-111-BI21-00	B	SPST	Red	1.125 x .550	.67	.62	.52	.49
629-AA111B31	NAA-111-BI31-00	C	SPST	Red	1.125 x .550	.62	.56	.51	.48
629-AA211B31	NAA-211-BI31-00	C	SPST	Red	1.072 x .480	.62	.56	.51	.48
629-BA111B31	NBA-111-BI31-00	C	SPDT	Red	1.125 x .550	.83	.75	.64	.59
629-BA211B31	NBA-211-BI31-00	C	SPDT	Red	1.072 x .480	.83	.75	.64	.59





C&K Rocker Switches

7000 SERIES ROCKER SWITCHES

ecifications:
ntact Material:
B: End Contact- Cu alloy, w/Au plate over Ni plate
Center Contact and all terminals- Cu alloy, w/Au plate over Ni plate
Q: End Contacts- Coin Ag over Ag plate
Center contact and all terminals- Cu alloy over Ag plate

- Contact Rating:
  B: 0.4 VA max. @20 V AC or DC max.
  Q: 5 AMPS @120 V AC or 28 V DC
  2 AMPS @250 V AC

( ) = Momentary

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Termination	Contact Material	Price Each 1	25	100	500
nel Mount										
1-7201J1AQE2	7201J1AQE2	A	DPDT	On-None-On	R/A PC thru-hole	Q	11.27	10.98	8.98	7.07
ap In										
1-7203J51ZQE22	7203J51ZQE22	B	DPDT	On-Off-On	Solder Lug	Q	12.28	11.97	9.78	7.70
1-7201J61ZQE2	7201J61ZQE22	C	DPDT	On-None-On	Solder Lug	Q	10.96	10.68	8.73	6.87
1-7203J61ZQE22	7203J61ZQE22	C	DPDT	On-Off-On	Solder Lug	Q	12.28	11.97	9.78	7.70
1-7205J61ZQE22	7205J61ZQE22	C	DPDT	(On)-Off-(On)	Solder Lug	Q	12.28	11.97	9.78	7.70

C SERIES POWER ROCKER SWITCHES

ecifications:
ntact Rating: 15 AMPS @125 V AC; 10 AMPS @250 V AC
ntact Material: QA- Cu, Ag plated (UL/CSA); QF- Cu, Ag top lay (UL/CSA/VDE)

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Termination	Contact Material	Actuator Marking	Price Each 1	25	100	500
1-C121J12S205QA	C121J12S205QA	D	SPDT	On-On	Quick Connect	QA	None	3.53	3.44	2.81	2.21
1-C121J12S205QF	C121J12S205QF	D	SPDT	On-On	Quick Connect	QF	None	4.54	4.43	3.62	2.85
1-C122J12S205PQF	C122J12S205PQF	D	SPDT	On-Off	Quick Connect	QF	O –	4.67	4.55	3.72	2.93
1-C221J12S205QA	C221J12S205QA	D	DPDT	On-On	Quick Connect	QA	None	4.75	4.63	3.78	2.98
1-C222J12S205QA	C222J12S205QA	D	DPDT	On-Off	Quick Connect	QA	None	4.59	4.48	3.66	2.88
1-C222J12S205QF	C222J12S205QF	D	DPDT	On-Off	Quick Connect	QF	None	5.61	5.46	4.47	3.52

D SERIES MINIATURE SNAP-IN POWER ROCKER SWITCHES

ecifications:
ntact Material:
QA: Cu, Ag plated (UL/CSA)
QF: Cu, Ag top lay (UL/CSA/VDE)

- Contact Rating:
  D10X: 4 AMPS @125 V AC; 2 AMPS @ 250 V AC
  D50X & D60X: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC

( ) = Momentary

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Contact Material	Actuator Marking	Price Each 1	25	100	500
uick Connect										
11-D502J12S215PQF	D502J12S215PQF	E	SPST	On-None-Off	QF	O –	3.56	3.47	2.83	2.23
wisted Quick Connect										
11-D602J12S215PQF	D602J12S215PQF	E	DPST	On-None-Off	QF	O –	5.19	4.15	3.29	3.00
/A PC Thru-hole										
11-D501J12S2AHQF	D501J12S2AHQF	F	SPDT	On-None-On	QF	O I	4.78	4.66	3.81	3.00
11-D501J12S2APQF	D501J12S2APQF	F	SPDT	On-None-On	QF	O –	4.78	4.66	3.81	3.00

DM SERIES MINIATURE POWER ROCKER SWITCHES

ecifications:
ntact Material:
Q: Cu alloy, Ag Plated

- Contact Rating:
  10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Termination	Contact Material	Actuator Marking	Price Each 1	25	100	500
n-Illuminated											
1-DM61-122	DM61J12S205Q	G	DPDT	On-On	Quick Connect	Q	None	5.61	5.46	4.47	3.52
1-DM61J12S205PQ	DM61J12S205PQ	G	DPDT	On-On	Quick Connect	Q	O –	5.97	5.82	4.76	3.74
1-DM62J12S205PQ	DM62J12S205PQ	G	DPDT	On-Off	Quick Connect	Q	O –	4.64	3.90	3.48	3.17
uminated											
1-DM54J72S205Q3	DM54J72S205Q3	H	SPST	On-Off	Quick Connect	Q	Red LED	5.45	5.31	4.34	3.42
1-DM64J72S205Q3	DM64J72S205Q3	H	DPST	On-Off	Quick Connect	Q	Red LED	6.15	6.00	4.90	3.86

DIMENSIONS (IN)

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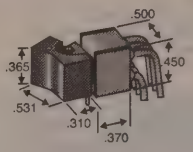

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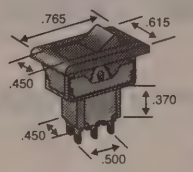

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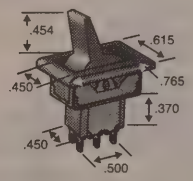

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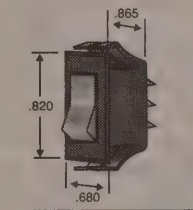

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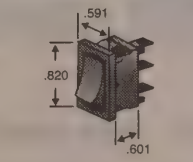

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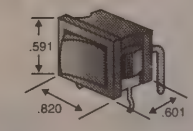

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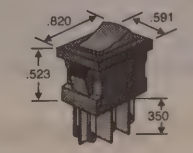

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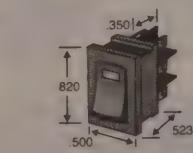


E-SWITCH® RA1066 SERIES ROCKER SWITCHES

Specifications:
- Contact resistance: 100mΩ max
- Dielectric strength: AC2000V for one minute
- Operating force: 400 ± 200gf

Features:
- Black matte finish
- Contact material: silver plated copper alloy
- Contact rating: 10A @125VAC/5A @250VAC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Terminal	Price Each 1	10	50	100
612-RA1066AFC	RA1066AFC	A	SPST	On-Off	Faston	1.59	1.46	1.40	1.33
612-RA1066AFF	RA1066AFF	B	SPST	On-Off	Faston	1.59	1.46	1.40	1.33
612-RA1066AFK	RA1066AFK	C	SPST	On-Off	Faston	1.59	1.46	1.40	1.33
612-RA1066AFH	RA1066AFH	D	SPST	On-Off	Faston	1.59	1.46	1.40	1.33
612-RA1066AFX	RA1066AFX	E	SPST	On-Off	Faston	1.59	1.46	1.40	1.33

E-SWITCH® R1966 SERIES ROCKER SWITCHES

Specifications:
- Contact resistance: <10 mΩ
- Rating: 15A @ 125V
- Dielectric strength: >1500V for one minute, >3000V between poles
- Electric life: 10,000 cycle
- Mechanical life: 15,000 cycles
- Insulation resistance: >1,000 MΩ
- Contact form: SPST

Features:
- Black semi-gloss finish
- Contact material: coin silver, silver plated
- terminal material: silver plated copper alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Circuit	Housing	Actuator	Price Each 1	10	50	100
Faston Terminal									
612-R1966ABKBKEF	R1966ABLKBLKEF	F	On-Off	Black	Black	1.25	1.10	.95	.85
612-R1966FBKBKEF	R1966FBLKBLKEF	F	(On)-Off	Black	Black	1.59	1.46	1.40	1.33
612-R1966ABLKBLKIF	R1966ABLKBLKIF	G	On-Off	Black	Black	1.25	1.10	.95	.85
612-R1966ABKBKFF	R1966ABLKBLKFF	H	On-Off	Black	Black	1.25	1.10	.95	.85
612-R1966AGYGYFF	R1966AGRYGRYFF	H	On-Off	Gray	Gray	1.25	1.10	.95	.85
612-R1966AWTWTFF	R1966AWHTWHTFF	H	On-Off	White	White	1.25	1.10	.95	.85
612-R1966ABKBKGF	R1966ABLKBLKGF	I	On-Off	Black	Black	1.25	1.10	.95	.85
612-R1966AGYGYGF	R1966AGRYGRYGF	I	On-Off	Gray	Gray	1.25	1.10	.95	.85
612-R1966AWTWTGF	R1966AWHTWHTGF	I	On-Off	White	White	1.25	1.10	.95	.85
*612-R1966DBKBKCF	R1966DBLKBLKCF	J	On-Off-On	Black	Black	2.03	1.82	1.59	1.44
Solder Terminal									
612-R1966ABLKBLKES	R1966ABLKBLKES	F	On-Off	Black	Black	1.25	1.10	.95	.85
612-R1966ABKBKIS	R1966ABLKBLKIS	G	On-Off	Black	Black	1.25	1.10	.95	.85
612-R1966ABKBKFS	R1966ABLKBLKFS	H	On-Off	Black	Black	1.25	1.10	.95	.85
612-R1966ABKBKGS	R1966ABLKBLKGS	I	On-Off	Black	Black	1.25	1.10	.95	.85
R/A PCB Terminal									
612-R1966ABKBKFR	R1966ABLKBLKFR	K	On-Off	Black	Black	2.32	2.06	1.80	1.63
612-R1966ABKBKGR	R1966ABLKBLKGR	L	On-Off	Black	Black	2.32	2.06	1.80	1.63

* Contact form: SPDT

E-SWITCH® R1966 SERIES ILLUMINATED ROCKER SWITCHES

Specifications:
- Contact resistance: <10 mΩ
- Rating: 15A @ 125V
- Dielectric strength: >1500V for one minute, >3000V between poles
- Electric life: 10,000 cycles
- Mechanical life: 15,000 cycles
- Insulation resistance: >1,00 MΩ
- Contact form: SPST

Features:
- Contact material: coin silver, silver plated
- Terminal material: Silver plated copper alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Circuit	LED Color	Terminal	Price Each 1	10	50	100
612-R1966ABKBKEFR	R1966ABLKBLKEFRED	M	On-Off	Red	Faston	2.32	2.06	1.80	1.63
612-R1966ABKBKEFG	R1966ABLKBLKEFGRN	M	On-Off	Green	Faston	2.32	2.06	1.80	1.63
612-R1966ABKBKEFY	R1966ABLKBLKEFYEL	M	On-Off	Yellow	Faston	2.32	2.06	1.80	1.63
612-R1966ABKBKESR	R1966ABLKBLKESRED	M	On-Off	Red	Solder	2.32	2.06	1.80	1.63
612-R1966ABKBKESG	R1966ABLKBLKESGRN	M	On-Off	Green	Solder	2.32	2.06	1.80	1.63
612-R1966ABKBKESY	R1966ABLKBLKESYEL	M	On-Off	Yellow	Solder	2.32	2.06	1.80	1.63
612-R1966ABKBKER	R1966ABLKBLKERRED	M	On-Off	Red	R/A PCB	3.22	2.96	2.50	1.93

E-SWITCH® R6 SERIES MINI ROCKER SWITCHES

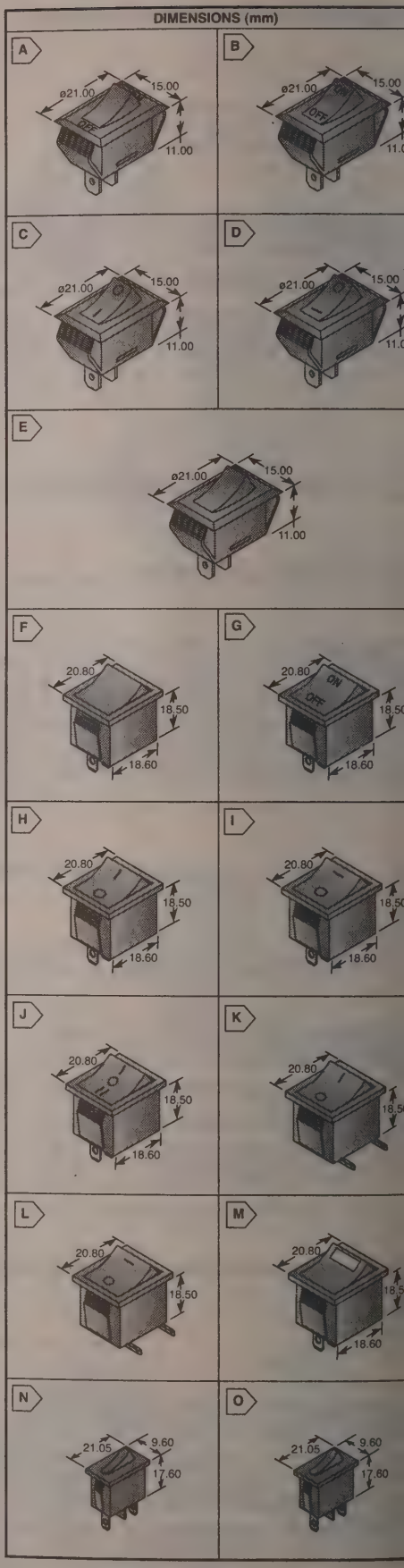
Specifications:
- Contact resistance: <20 mΩ (initial)
- Contact rating: 10A @ 125V, 6A @250VAC
- Dielectric strength: >1500V for one minute (Initial), >3000V between poles
- Electric life: ≥10,000 cycles
- Mechanical life: ≥50,000 cycles
- Contact form: SPST

Features:
- Contact material: coin silver, silver plated
- Terminal material: Silver plated copper alloy
- Black housing
- Black actuator

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Termination	Price Each 1	10	50	100
612-R6ABLKBLKEF	R6ABLKBLKEF	N	SPST	On-Off	Faston	1.65	1.49	1.42	1.26
612-R6ABLKBLKFF	R6ABLKBLKFF	O	SPST	On-Off	Faston	1.65	1.49	1.42	1.26

DIMENSIONS (mm)



E-SWITCH® R5 SERIES ROCKER SWITCHES

n-Illuminated Switches

cifications:
ontact resistance: 20 mΩ initially
electric strength: >1500V for one minute,
000V between poles
ontact rating: 10A @ 250VAC, 15A @ 125VAC
echanical life: >30,000 cycles
ectrical life: >10,000 cycles
ston termination

Features:
- Black housing
- Contact material: Coin silver, silver plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Actuator	Price Each 1	10	50	100
2-R5ABLKBLKEF0	R5ABLKBLKEF0	A	DPST	On-Off	Black	1.65	1.46	1.28	1.16
2-R5CBLKBLKEF0	R5CBLKBLKEF0	A	DPDT	On-On	Black	2.08	1.85	1.62	1.46
2-R5DBLKBLKEF0	R5DBLKBLKEF0	A	DPDT	On-Off-On	Black	2.70	2.40	2.10	1.90
2-R5ABLKBLKFF0	R5ABLKBLKFF0	B	DPST	On-Off	Black	1.65	1.46	1.28	1.16
2-R5DBLKBLKCF0	R5DBLKBLKCF0	C	DPDT	On-Off-On	Black	2.70	2.40	2.10	1.90
2-R5DBLKBLKHF0	R5DBLKBLKHF0	D	DPDT	On-Off-On	Black	2.70	2.40	2.10	1.90

minated Switches

cifications:
ontact resistance: 20 mΩ initially
electric strength: >1500V for one minute,
000V between poles
ontact rating: 10A @ 250VAC, 15A @ 125VAC
echanical life: >30,000 cycles
ectrical life: >10,000 cycles
astion termination

Features:
- Black housing
- Contact material: Coin silver, silver plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Actuator	Price Each 1	10	50	100
on Bulb Lamp Type with 125VAC									
2-R5BBLKREDEF1	R5BBLKREDEF1	A	DPST	On-Off	Red	2.70	2.40	2.10	1.90
2-R5BBLKGRNEF1	R5BBLKGRNEF1	A	DPST	On-Off	Green	2.70	2.40	2.10	1.90
2-R5BBLKREDFF1	R5BBLKREDFF1	B	DPST	On-Off	Red	2.70	2.40	2.10	1.90
2-R5BBLKGRNFF1	R5BBLKGRNFF1	B	DPST	On-Off	Green	2.70	2.40	2.10	1.90
on Bulb Lamp Type with 250VAC									
2-R5BBLKREDFF2	R5BBLKREDFF2	B	DPST	On-Off	Red	2.70	2.40	2.10	1.90
2-R5BBLKGRNFF2	R5BBLKGRNFF2	B	DPST	On-Off	Green	2.70	2.40	2.10	1.90
candescent Bulb Lamp Type with 12VDC									
2-R5BBLKREDFF3	R5BBLKREDFF3	B	DPST	On-Off	Red	2.70	2.40	2.10	1.90
2-R5BBLKGRNFF3	R5BBLKGRNFF3	B	DPST	On-Off	Green	2.70	2.40	2.10	1.90

E-SWITCH® RR SERIES

cker Switches

cifications:
ontact rating: 10A @125V, 6A 250VAC
ontact resistance: 50m Ω max.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Termination	Price Each 1	10	50	100
2-RR3130A	RR3130ANOMARKING	E	SPST	On-Off	Solder	2.83	2.52	2.20	1.99
2-RR3130B	RR3130BNOMARKING	E	DPDT	On-On	Solder	4.65	4.22	3.99	3.60
2-RR3130C	RR3130CNOMARKING	E	SPDT	On-On	Solder	3.13	2.80	2.44	2.20
2-RR3112A	RR3112A	F	SPST	On-Off	Faston	1.72	1.55	1.40	1.32

ddle Rocker Switches

cifications:
ontact Rating: 10A @125V, 6A 250VAC
ontact resistance: 50m Ω max.
older Termination

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Termination	Price Each 1	10	50	100
2-RR3402A	RR3402A	G	SPST	On-Off	Solder	2.51	2.23	1.95	1.77
2-RR3402C	RR3402C	G	SPDT	On-On	Solder	2.70	2.40	2.10	1.90
2-RR3402D	RR3402D	G	SPDT	On-Off-On	Solder	3.40	3.05	2.72	2.58
2-RR3405A	RR3405A	H	DPST	On-Off	Solder	3.88	3.45	3.02	2.73

minated Paddle Rocker Switches

ecifications:
Contact rating: 10A @125V, 6A 250VAC
Contact resistance: 50m Ω max.
Solder termination

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Termination	Price Each 1	10	50	100
2-RR3405AL-RED	RR3405AL-RED	I	SPST	On-Off	Red	5.37	4.77	4.18	3.78
2-RR3405AL-GRN	RR3405AL-GRN	I	SPST	On-Off	Green	5.37	4.77	4.18	3.78
2-RR3405CL-RED	RR3405CL-RED	I	SPDT	On-On	Red	6.05	5.38	4.70	4.26
2-RR3405CL-GRN	RR3405CL-GRN	I	SPDT	On-On	Green	6.05	5.38	4.70	4.26

DIMENSIONS (mm)

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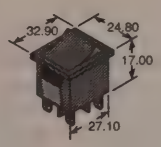

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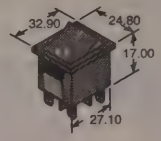

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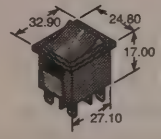

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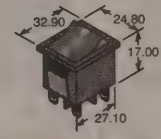

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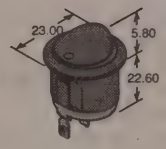

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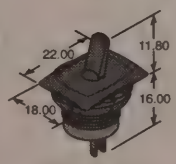

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MOUNTAIN SWITCH Rocker Switches

Mountain Switch ROCKER SWITCHES

Sealed Sub-Miniature Rocker Switches:
- Rating: 1A/250VAC,3A/120VAC or 28VDC
- Contact resistance: 20mΩ max.,
- Insulation resistance: 1000MΩ min.

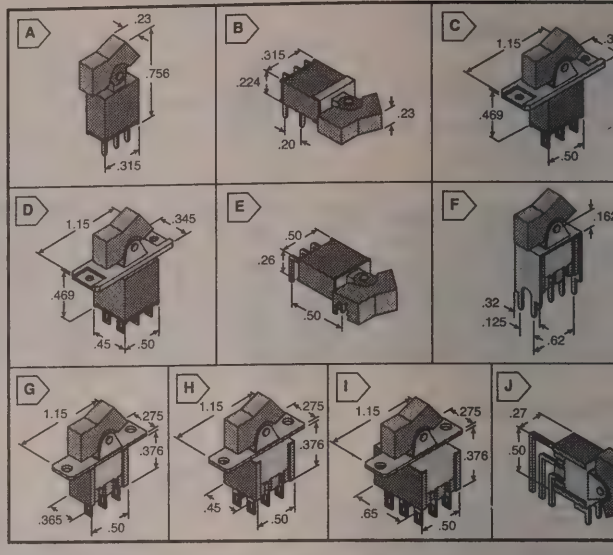
Miniature Rocker Switches:
- Rating: 2A/250VAC,5A/120VAC or 28VDC
- Contact resistance: 10mΩ max.
- Insulation resistance: 1000MΩ min.

Sealed Miniature Rocker Switches:
- Rating: 2A/250VAC,5A/120VAC or 28VDC
- Contact resistance: 10mΩ max.
- Insulation resistance: 1000MΩ min.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500
Sealed Sub-Miniature Rocker Switches								
103-7024	82542SPDT24	A	SPDT	On-On	4.07	3.79	2.97	2.64
103-7025	82542SPDT25	B	SPDT	On-On	5.29	4.81	3.70	3.13
103-7027	82542SPDT27	B	SPDT	On-Off-On	5.56	5.25	3.95	2.95
Sealed Miniature Rocker Switches								
103-7013	82542SPDT13	C	SPDT	On-On	4.07	3.79	2.97	2.64
103-7015	82542SPDT15	C	SPDT	On-(On)	5.29	4.81	3.70	3.13
103-7017	82542SPDT17	C	SPDT	On-Off-On	5.29	4.81	3.70	3.13
103-7020	82542DPDT20	D	DPDT	On-On	4.07	3.79	2.97	2.64
103-7022	82542DPDT22	D	DPDT	On-(On)	7.60	6.90	5.25	4.45
103-7018	82542SPDT18	E	SPDT	(On)-Off-(On)	7.60	6.90	5.25	4.45
Miniature Rocker Switches								
103-7007	82542SPDT07	F	SPDT	On-On	4.00	3.72	2.89	2.69
103-7005	82542SPDT05	G	SPDT	On-On	4.65	4.23	3.22	2.96
103-7012	82542DPDT12	H	DPDT	On-On	3.04	2.89	2.53	2.37
103-7003	825423PDT03	I	3PDT	On-On	7.60	6.90	5.25	4.45
103-7006	82542SPDT06	J	SPDT	On-On	3.04	2.89	2.53	2.37

DIMENSIONS



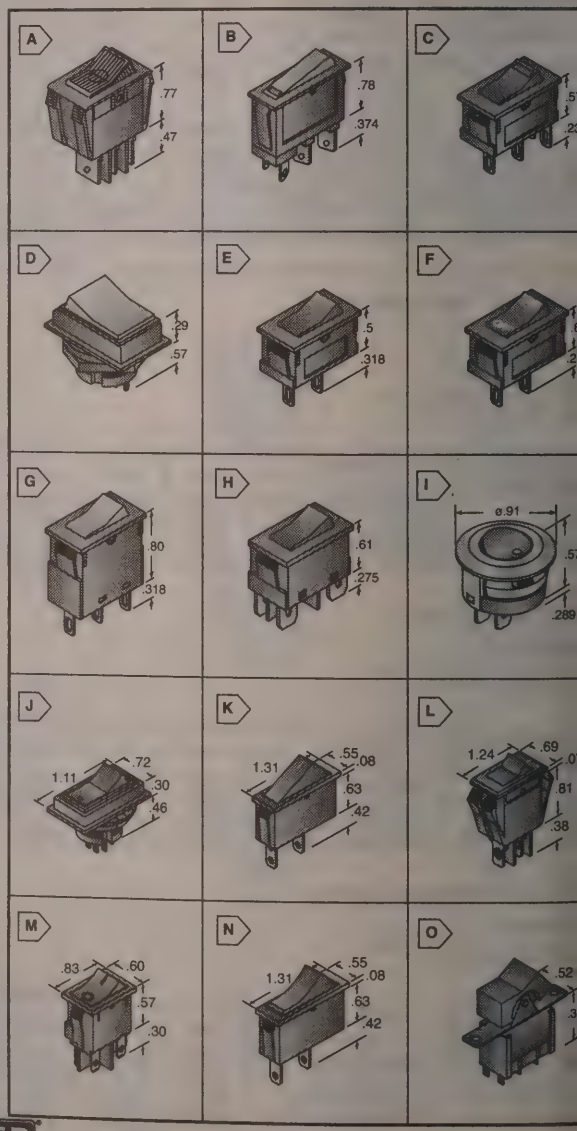
Mountain Switch ILLUMINATED ROCKER SWITCHES

Specifications:
- Black switch body
- Solder terminals
- 2VDC LED (included), except on Fig. A 10DS322 has a 110VAC neon lamp with internal dropping resistor

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating (AC)	Button Color	Dim. (In.) L	W	Mtg. Hole (In.)	Price Each 1	10	100	500
10DS322	A	SPST	On-Off	15A/125V	Amber	1.26	.63	1.12x.55	3.65	3.51	3.38	3.24
10DS413	B	SPST	On-Off	10A/125V	Wht LED	1.28	.42	1.27x.43	3.60	3.47	3.33	3.20
107-DS850K-0R	C	SPST	On-Off	5A/125V	Red LED	.83	.59	.51x.76	2.53	2.43	2.34	2.25
107-DS850K-0G	C	SPST	On-Off	5A/125V	Grn LED	.83	.59	.51x.76	2.53	2.43	2.34	2.25
107-DS850K-0Y	C	SPST	On-Off	5A/125V	Yel LED	.83	.59	.51x.76	2.53	2.43	2.34	2.25

DIMENSIONS



Mountain Switch ROCKER SWITCHES

Specifications:
- Insulation resistance: 100MΩ min. / 500VDC
- Contact resistance: 20mΩ / 1A 2.5VDC
- Dielectric strength: 1500VAC for 1 minute
- Thread pitch: M18 x 1 (Fig.'s D & E)
- Frame color: black

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating (AC)	Button Color	Dim. (In.) L	W	Mtg. Hole (In.)	Price Each 1	10	100	500
Solder Terminals												
10DS388	D	SPST	On-Off	6A/125V	White	1.18	.79	.71	1.93	1.86	1.78	1.71
10DS389	D	SPDT	On-On	6A/125V	White	1.18	.79	.71	2.31	2.23	2.14	2.06
10DS390	D	DPDT	On-On	6A/125V	White	1.18	.79	.71	3.16	3.05	2.93	2.81
107-DS850K-00	E	SPST	On-Off	5A/125V	Black	.83	.59	.76x.51	1.29	1.24	1.19	1.15
107-DS850K-01	E	SPST	On-Off	5A/125V	Wht dot	.83	.59	.76x.51	1.32	1.27	1.22	1.17
107-DS850K-02	F	SPST	On-Off	5A/125V	On-Off	.83	.59	.75x.51	1.40	1.35	1.29	1.24
107-DS850A-00	G	SPDT	On-On	5A/125V	Black	.83	.59	.75x.51	2.15	2.07	1.99	1.91
.187" Faston Terminals												
107-DS850S-20	H	DPST	On-Off	10A/250V	Black	.83	.59	.76x.51	2.39	2.30	2.21	2.12
107-DS850S-22	H	DPST	On-Off	10A/250V	On-Off	.83	.59	.75x.51	2.47	2.38	2.29	2.20
107-DS850S-23	H	DPST	On-Off	10A/250V	I/O	.83	.59	.75x.51	2.47	2.38	2.29	2.20

Mountain Switch ROUND ROCKER SWITCHES

Specifications:
- Insulation resistance: 100MΩ min. / 500VDC
- Dielectric strength: 1500VAC for 1 minute
- Rating: 5A / 125VAC
- Solder Terminals

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Button Color	Frame Color	Mtg. Hole (In.)	Price Each 1	10	100	500
10DS059SWD-B	I	DPST	On-Off	Black	Black	.803	2.00	1.75	1.66	1.59
10DS059SWD-R	I	DPST	On-Off	Red	Black	.803	2.00	1.75	1.66	1.59

Mountain Switch ROCKER SWITCHES

Specifications:
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1500VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating	Price Each 1	10	100	500	1000
103-R13-49A	J	SPST	On-Off	6A/125V	1.61	1.34	1.22	1.11	.97
103-R13-70A	K	SPST	On-Off	16A/125V	1.51	1.25	1.14	1.04	.92
103-R13-72A	L	SPST	On-Off	15A/125V	1.67	1.39	1.27	1.15	1.00
103-R13-73A	M	DPST	On-Off	10A/125V	2.03	1.69	1.54	1.40	1.19
103-R13-91A	N	SPST	On-Off	16A/125V	1.51	1.25	1.14	1.04	.94
Miniature									
103-7135	O	SPDT	On-Off-On	5A/120V	2.70	2.25	2.05	1.86	1.39
1055-RA1165	O	DPDT	On-Off-On	6A/125V	3.22	2.69	2.44	2.32	1.74

Mountain Switch

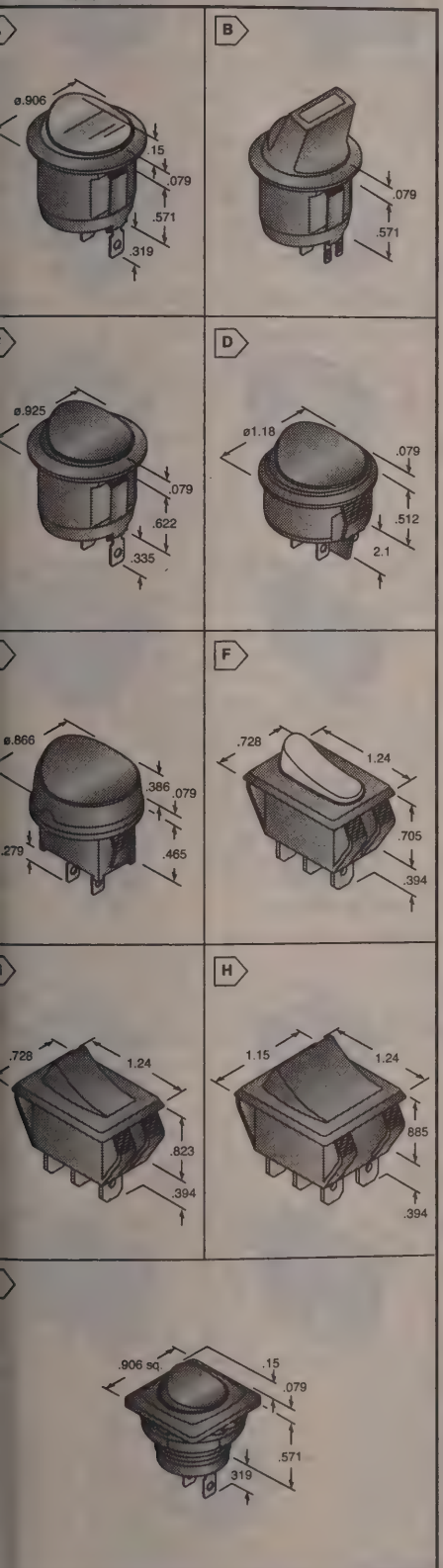
ROCKER SWITCHES

tures: –

aterial: Frames are nylon (UL flame: 94V-2). Terminals are silver plated brass.
minated actuators are molded in PC, available with red, yellow, and green colors.
ntact resistance: 50mΩ
sulation resistance: 500VDC 100MΩ min.

- Dielectric strength: 1500VAC 1 minute
- Neon Illumination: 125VAC w/ 33kΩ dropping resistor
- LED Illumination: LED rating 10mA Vf=1.85V

ENSIONS (IN)



Snap-In Mounting

• Easy to install switch into panel

• Rating: 16A/125VAC, 10A/250VAC • Termination: 0.187" Faston

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each				
					1	10	50	100	500
103-R13-112A-02	A	Black	SPST	On-Off	.99	.91	.83	.75	.62
103-R13-112B-02R	A	Red Illuminated / Neon	SPST	On-Off	1.29	1.15	1.03	.94	.84
103-R13-112B-02Y	A	Yellow Illuminated / Neon	SPST	On-Off	1.29	1.15	1.03	.94	.84
103-R13-112B-02G	A	Green Illuminated / Neon	SPST	On-Off	1.29	1.15	1.03	.94	.84
103-R13-112B2-02R	A	Red Spot Illuminated / Neon	SPST	On-Off	1.39	1.25	1.13	.99	.90
103-R13-112B2-02Y	A	Yellow Spot Illuminated / Neon	SPST	On-Off	1.39	1.25	1.13	.99	.90
103-R13-112B2-02G	A	Green Spot Illuminated / Neon	SPST	On-Off	1.39	1.25	1.13	.99	.90
103-R13-112C-02	A	Black	SPDT	On-On	1.14	1.02	.92	.83	.75
103-R13-112D-02	A	Black	SPDT	On-Off-On	1.19	1.07	.96	.87	.79

• Rating: 10A/125VAC, 6A/250VAC • Termination: 0.187" Faston

103-R13-112LP-02R	B	Red Paddle End / LED	SPST	On-Off	1.95	1.79	1.59	1.39	1.28
103-R13-112LP-02Y	B	Yellow Paddle End / LED	SPST	On-Off	1.95	1.79	1.59	1.39	1.28
103-R13-112LP-02G	B	Green Paddle End / LED	SPST	On-Off	1.95	1.79	1.59	1.39	1.28

• Rating: 16A/125VAC, 10A/250VAC • Termination: 0.187" Faston

103-R13-244A-02	C	Black	DPST	On-Off	1.62	1.55	1.48	1.39	1.33
103-R13-244B-02R	C	Red Illuminated / Neon	DPST	On-Off	1.79	1.72	1.65	1.54	1.49
103-R13-244B-02G	C	Green Illuminated / Neon	DPST	On-Off	1.79	1.72	1.65	1.54	1.49
103-R13-244C-02	C	Black	DPDT	On-On	1.69	1.62	1.55	1.44	1.39
103-R13-244D-02	C	Black	DPDT	On-Off-On	1.73	1.66	1.59	1.48	1.43

• Rating: 16A/125VAC, 10A/250VAC • Termination: 0.187" Faston

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each				
					1	10	50	100	500
103-R13-245A-02	D	Black	DPST	On-Off	1.75	1.68	1.61	1.49	1.42
103-R13-245B-02R	D	Red Illuminated / Neon	DPST	On-Off	1.89	1.82	1.75	1.64	1.58
103-R13-245B-02G	D	Green Illuminated / Neon	DPST	On-Off	1.89	1.82	1.75	1.64	1.58
103-R13-245C-02	D	Black	DPDT	On-On	1.99	1.91	1.84	1.69	1.63
103-R13-245D-02	D	Black	DPDT	On-Off-On	1.99	1.91	1.84	1.69	1.63

• Rating: 10A/125VAC, 6A/250VAC • Termination: 0.187" Faston

103-R13-211A-02	E	Black	SPST	On-Off	.99	.94	.89	.79	.75
103-R13-211C-02	E	Black	SPDT	On-On	1.13	1.08	1.02	.92	.87
103-R13-211D-02	E	Black	SPDT	On-Off-On	1.24	1.19	1.11	.99	.95

• Rating: 16A/125VAC, 10A/250VAC • Black Frame • Termination: 0.250" Faston

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each				
					1	10	50	100	500
103-R13-238A-01W	F	White	SPST	On-Off	1.25	1.11	1.01	.85	.55
103-R13-238A-01B	F	Black	SPST	On-Off	1.25	1.11	1.01	.85	.55
103-R13-238B-01R	F	Red Illuminated / Neon	SPST	On-Off	1.49	1.42	1.35	1.21	1.15
103-R13-238B-01G	F	Green Illuminated / Neon	SPST	On-Off	1.49	1.42	1.35	1.21	1.15
103-R13-238C-01W	F	White	SPDT	On-On	1.45	1.38	1.31	1.17	1.11
103-R13-238C-01B	F	Black	SPDT	On-On	1.45	1.38	1.31	1.17	1.11
103-R13-238D-01W	F	White	SPDT	On-Off-On	1.55	1.48	1.41	1.29	1.22
103-R13-238D-01B	F	Black	SPDT	On-Off-On	1.55	1.48	1.41	1.29	1.22

• Rating: 16A/125VAC, 10A/250VAC • Termination: 0.250" Faston

103-R13-205A3-01	G	Black	SPST	On-Off	.67	.61	.58	.51	.48
103-R13-205A2-01	G	Black / Red Indicator	SPST	On-Off	.85	.77	.65	.52	.50
103-R13-205C3-01	G	Black	SPDT	On-On	.79	.71	.69	.55	.52
103-R13-205D3-01	G	Black	SPDT	On-Off-On	.96	.88	.72	.58	.55
103-R13-205B-01R	G	Red Illuminated / Neon	SPST	On-Off	1.07	.98	.80	.66	.61
103-R13-205B-01G	G	Green Illuminated / Neon	SPST	On-Off	1.07	.98	.80	.66	.61
103-R13-205L-01R	G	Red Spot Illuminated / LED	SPST	On-Off	1.35	1.29	1.24	1.16	1.09
103-R13-205L-01G	G	Green Spot Illuminated / LED	SPST	On-Off	1.35	1.29	1.24	1.16	1.09

• Rating: 16A/125VAC, 10A/250VAC • Termination: 0.250" Faston

103-R13-240A-01	H	Black	DPST	On-Off	1.27	1.15	.96	.79	.72
103-R13-240B-01R	H	Red Illuminated / Neon	DPST	On-Off	1.59	1.45	1.19	.98	.93
103-R13-240B-01G	H	Green Illuminated / Neon	DPST	On-Off	1.59	1.45	1.19	.98	.93
103-R13-240C-01	H	Black	DPDT	On-On	1.47	1.36	1.09	.91	.86
103-R13-240D-01	H	Black	DPDT	On-Off-On	1.49	1.39	1.13	.94	.89

Screw Type Mounting

• Easy to install switch into panel • Termination: 0.187" Faston
• Rating: 10A/125VAC, 6A/250VAC

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each				
					1	10	50	100	500
103-R13-135A-02	I	Black	SPST	On-Off	1.18	1.09	1.02	.89	.82
103-R13-135A2-02	I	Black / Red Indicator	SPST	On-Off	1.29	1.20	1.13	.99	.92
103-R13-135C-02	I	Black	SPDT	On-On	1.39	1.31	1.24	1.09	1.03
103-R13-135D-02	I	Black	SPDT	On-Off-On	1.49	1.42	1.36	1.21	1.15
103-R13-135B-02R	I	Red Illuminated / Neon	SPST	On-Off	1.76	1.68	1.61	1.49	1.42
103-R13-135B-02G	I	Green Illuminated / Neon	SPST	On-Off	1.76	1.68	1.61	1.49	1.42
103-R13-135B2-02R	I	Red Spot Illuminated / Neon	SPST	On-Off	1.86	1.78	1.71	1.59	1.52
103-R13-135B2-02G	I	Green Spot Illuminated / Neon	SPST	On-Off	1.86	1.78	1.71	1.59	1.52

Mountain Switch ILLUMINATED ROCKER SWITCHES

- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Button	Type	Circuit	Price Each			
						1	10	100	500
Rating: 8A/125 VAC, 8A/250 VAC									
103-7062	82542SPST75	A	Red	SPST	On-Off	2.21	2.01	1.82	1.66
Rating: 10A/125 VAC, 6A/250 VAC									
103-7036	82542SPST51	B	Red	SPST	On-Off	1.75	1.54	1.40	1.00
103-7039	82542SPST54	C	Red	SPST	On-Off	1.75	1.54	1.40	1.00
Rating: 15A/125 VAC, 10A/250 VAC									
103-7071	82542SPST85	D	Red	SPST	On-Off	1.73	1.57	1.43	1.30
103-7072	82542SPST86	D	Green	SPST	On-Off	1.73	1.57	1.43	1.30
Rating: 16A/125 VAC, 10A/250 VAC									
103-7064	82542SPST77	E	Red	SPST	Off-On	3.89	2.60	2.37	2.15
103-7079	82542DPST93	F	Red	DPST	On-Off	1.71	1.48	1.12	.98
103-7082	82542SPST96	G	Red	SPST	On-Off	1.15	1.03	.85	.77
103-7083	82542SPST97	G	Yellow	SPST	On-Off	1.15	1.03	.85	.77
103-7084	82542SPST98	G	Green	SPST	On-Off	1.15	1.03	.85	.77
103-7077	82542DPST91	H	Red	DPST	Off-On	2.21	2.15	1.57	1.26
103-7052	82542SPST66	I	Orange	SPST	On-Off	1.30	1.18	.98	.89
103-7053	82542SPST67	I	Red	SPST	On-Off	1.30	1.18	.98	.89
103-7055	82542SPST69	I	Green Dot	SPST	On-Off	1.30	1.18	.98	.89
103-7056	82542SPST70	I	Red Dot	SPST	On-Off	1.30	1.18	.98	.89
103-7048	82542SPST62	J	Green	SPST	On-Off	1.09	.95	.73	.68
103-7049	82542SPST63	J	Orange	SPST	On-Off	1.09	.95	.73	.68
103-7050	82542SPST64	J	Red	SPST	On-Off	1.09	.95	.73	.68
103-7046	82542SPST60	J	Green	SPST	On-Off	1.09	.95	.73	.68
103-7047	82542SPST61	J	Red	SPST	On-Off	1.09	.95	.73	.68
103-7075	82542SPST89	K	Red/Red	SPST	On-Off	4.99	3.84	3.49	3.17
103-7076	82542SPST90	L	Yellow Indicator Lamp/Red	SPST	On-Off	4.99	3.84	3.49	3.17

Mountain Switch ROCKER SWITCHES

- Rating: 16A/125VAC, 10A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Button	Type	Circuit	Price Each			
						1	10	100	500
103-7073	82542SPDT87	K	Black/ Black	SPDT	On-On	4.13	2.76	2.51	2.28
103-7074	82542SPDT88	L	Yellow Indicator Lamp/ Black	SPDT	On-On	4.99	3.84	3.49	3.17
103-7063	82542SPST76	E	Black	SPST	Off-On	3.20	2.13	1.94	1.76
103-7078	82542DPST92	F	Black	DPST	On-Off	1.13	.94	.86	.78
103-7080	82542DPST94	F	Green	DPST	On-Off	1.71	1.48	1.12	.98
103-7081	82542SPST95	G	Black	SPST	On-Off	.84	.74	.67	.61
103-7051	82542SPST65	I	Black	SPST	On-Off	1.01	.72	.64	.58
103-7061	82542SPST74	A	Black	SPST	On-Off	1.92	1.74	1.45	1.32
103-7035	82542SPST50	B	Black	SPST	On-Off	1.53	1.34	1.22	.91
103-7037	82542SPDT52	B	Black	SPDT	On-On	1.69	1.48	1.34	.95
103-7038	82542SPST53	C	Black	SPST	On-Off	1.53	1.34	1.22	.91

- Rating: 12A/125VAC, 10A/277VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Button	Type	Circuit	Price Each			
						1	10	100	500
103-7066	82542SPDT79	M	Red	SPDT	On-Off-On	5.18	3.99	3.63	3.30

Mountain Switch SNAP-IN MOUNTING

- Rating: 16A/125VAC, 10A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 100MΩ min.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Button	Type	Circuit	Price Each			
						1	10	100	500
103-7043	82542SPST57	N	Black button marked On-Off	SPST	On-Off	3.38	2.42	2.20	2.00
103-7044	82542DPDT58	N	Black	DPDT	On-Off-On	5.11	3.65	3.02	2.81
103-7045	82542DPST59	N	Black	DPST	On-Off	4.14	2.96	2.69	2.45

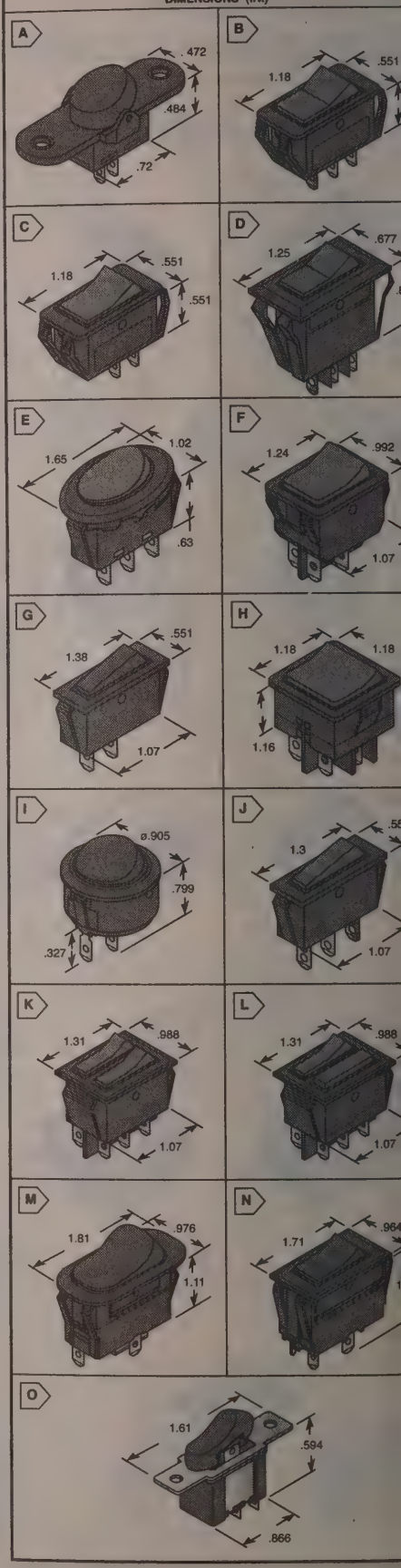
Mountain Switch SCREW TYPE MOUNTING

- Rating: 8A/125VAC, 6A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500MΩ min.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Button	Type	Circuit	Price Each			
						1	10	100	500
103-7058	82542SPST71	O	Black button marked On-Off	SPST	On-Off	1.85	1.57	1.43	1.30
103-7059	82542SPST72	O	Black with Dot	SPST	On-Off	1.85	1.57	1.43	1.30
103-7060	82542SPST73	O	Black	SPST	On-Off	1.85	1.57	1.43	1.30

DIMENSIONS (IN.)



MOUSER ELECTRONICS a ttl company

SEALED SUB-MINIATURE ROCKER SWITCHES

ing: 1A/250VAC, 3A/120VAC or 28VDC • Insulation resistance: 1000M Ω min.
ntact resistance: 20m Ω max.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500
-7026	82542SPDT26	A	SPDT	On-(On)	4.07	3.79	2.97	2.64
-7028	82542SPDT28	A	SPDT	(On)-Off-(On)	7.44	6.76	5.14	4.35
-7029	82542SPDT29	B	SPDT	On-Off-(On)	7.60	6.90	5.25	4.45

SEALED SUB-MINIATURE ROCKER SWITCHES (SURFACE MOUNT)

ing: 0.4 Volt-Amps (VA) max.20V max. (ACorDC) • Insulation resistance: 1000M Ω min.
ntact resistance: 20m Ω max.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500
-7031	82542SPDT31	C	SPDT	On-(On)	8.31	7.56	5.75	4.86
-7033	82542SPDT33	C	SPDT	(On)-Off-(On)	8.31	7.56	5.75	4.86
-7030	82542SPDT30	D	SPDT	On-On	7.60	6.90	5.25	4.45
-7032	82542SPDT32	D	SPDT	On-Off-On	8.31	7.56	5.75	4.86
-7034	82542SPDT34	D	SPDT	On-Off-(On)	7.97	7.28	5.54	4.69

SEALED MINIATURE ROCKER SWITCHES

ing: 2A/250 VAC, 5A/120 VAC or 28VDC • Insulation resistance: 1000M Ω min.
ntact resistance: 10m Ω max.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500
cker Actuator								
-7023	82542DPDT23	E	DPDT	On-Off-On	7.60	6.90	5.25	4.45
Idle Actuator								
-7021	82542DPDT21	F	DPDT	On-On	6.97	6.34	4.82	4.07
-7016	82542SPDT16	G	SPDT	On-(On)	5.29	4.81	3.70	3.13
-7014	82542SPDT14	H	SPDT	On-On	5.29	4.81	3.70	3.13
-7019	82542SPDT19	I	SPDT	On-Off-(On)	7.60	6.90	5.25	4.45

MINIATURE ROCKER SWITCHES

ing: 2A/250 VAC, 5A/120 VAC or 28VDC • Insulation resistance: 1000M Ω min.
ntact resistance: 10m Ω max.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500
cker Actuator								
-7010	82542SPDT10	J	SPDT	(On)-Off-(On)	4.07	3.79	2.97	2.64
-7001	82542DPDT01	K	DPDT	On-(On)	5.38	4.89	3.17	2.68
-7000	825424PDT00	E	4PDT	On-On	12.01	11.54	9.54	8.99
Idle Actuator								
-7002	82542DPDT02	L	DPDT	On-Off-On	5.29	4.81	3.70	3.13
-7008	82542SPDT08	L	SPDT	On-(On)	3.97	3.69	2.87	2.54
-7009	82542SPDT09	M	SPDT	On-Off-On	4.07	3.79	2.97	2.64
-7011	82542SPDT11	M	SPDT	On-Off-(On)	4.07	3.79	2.97	2.64

ILLUMINATED (LED) ROCKER SWITCH

ing: 16A/125 VAC, 10A/250 VAC • Insulation resistance: 100M Ω min.
ntact resistance: 50m Ω max.

For quantities of 1000 and up, call for quote.

OUSER OCK NO.	Mountain Switch Part No.	Fig.	Button	Type	Circuit	Price Each 1	10	100	500
-7065	82542SPST78	N	Red	SPST	Off-On	4.13	2.76	2.51	2.28

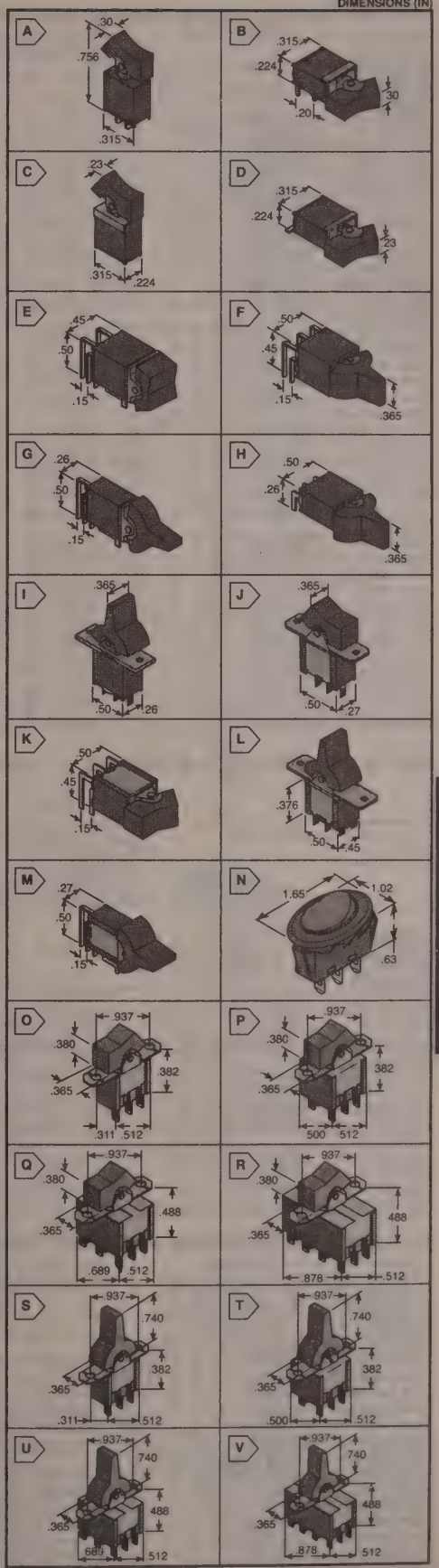
M SERIES: MINIATURE ROCKER SWITCHES

ver rating: 6A @ 125VAC, 3A @ 250VAC • Black actuator (Other colors available, call for quote)
@ 30V DC for On-None-On
@ 30V DC for all other circuits () Momentary

For quantities of 500 and up, call for quote.

MOUSER TOCK NO.	NKK Part No.	Fig.	Circuit	Price Each 1	25	50	100
cker Actuator							
-M201201D	M2012TNW01-DA	O	SPDT On-None-On	4.07	3.74	3.63	3.30
-M201301D	M2013TNW01-DA	O	SPDT On-Off-On	4.63	4.25	4.13	3.75
-M201501D	M2015TNW01-DA	O	SPDT On-None-(On)	5.09	4.68	4.54	4.13
-M201801D	M2018TNW01-DA	O	SPDT (On)-Off-(On)	5.18	4.76	4.62	4.20
-M201901D	M2019TNW01-DA	O	SPDT On-Off-(On)	5.18	4.76	4.62	4.20
-M202201D	M2022TNW01-DA	P	DPDT On-None-On	5.68	5.22	5.07	4.61
-M202301D	M2023TNW01-DA	P	DPDT On-Off-On	6.48	5.95	5.78	5.25
-M202801D	M2028TNW01-DA	P	DPDT (On)-Off-(On)	7.59	6.97	6.77	6.15
-M202901D	M2029TNW01-DA	P	DPDT On-Off-(On)	7.59	6.97	6.77	6.15
-M203201D	M2032TNW01-DA	Q	3PDT On-None-On	8.92	8.19	7.95	7.23
-M204201D	M2042TNW01-DA	R	4PDT On-None-On	11.97	11.00	10.68	9.71
Idle Actuator							
-M201201E	M2012TNW01-EA	S	SPDT On-None-On	4.07	3.74	3.63	3.30
-M201301E	M2013TNW01-EA	S	SPDT On-Off-On	4.63	4.25	4.13	3.75
-M201501E	M2015TNW01-EA	S	SPDT On-None-(On)	5.09	4.68	4.54	4.13
-M201801E	M2018TNW01-EA	S	SPDT (On)-Off-(On)	5.18	4.76	4.62	4.20
-M201901E	M2019TNW01-EA	S	SPDT On-Off-(On)	5.18	4.76	4.62	4.20
-M202201E	M2022TNW01-EA	T	DPDT On-None-On	5.68	5.22	5.07	4.61
-M202301E	M2023TNW01-EA	T	DPDT On-Off-On	6.48	5.95	5.78	5.25
-M202801E	M2028TNW01-EA	T	DPDT (On)-Off-(On)	7.59	6.97	6.77	6.15
-M202901E	M2029TNW01-EA	T	DPDT On-Off-(On)	7.59	6.97	6.77	6.15
-M203201E	M2032TNW01-EA	U	3PDT On-None-On	8.92	8.19	7.95	7.23
-M204201E	M2042TNW01-EA	V	4PDT On-None-On	11.97	11.00	10.68	9.71

DIMENSIONS (IN)



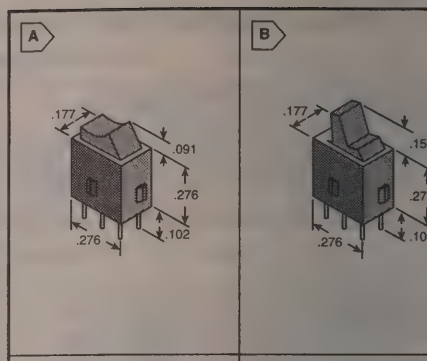
NKK GW SERIES: ULTRA THIN ROCKER SWITCHES

DIMENSIONS (IN.)

- Power Rating: 0.4VA max. @ 28V AC/DC max.
- UL94V-0 case
- .100" x .100" terminal spacing
- Actuator available in three colors

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Actuator Color	Price Each 1	25	50	100
Straight PC								
633-GW12RBP	GW12RBP	A	SPDT On-None-On	Rocker/White	2.70	2.43	2.16	1.89
633-GW12LBP	GW12LBP	B	SPDT On-None-On	Paddle/White	2.70	2.43	2.16	1.89
633-GW12RCP	GW12RCP	A	SPDT On-None-On	Rocker/Red	2.70	2.43	2.16	1.89
633-GW12LCP	GW12LCP	B	SPDT On-None-On	Paddle/Red	2.70	2.43	2.16	1.89
633-GW12RHP	GW12RHP	A	SPDT On-None-On	Rocker/Gray	2.70	2.43	2.16	1.89
633-GW12LHP	GW12LHP	B	SPDT On-None-On	Paddle/Gray	2.70	2.43	2.16	1.89
633-GW22RBP	GW22RBP	A	DPDT On-None-On	Rocker/White	3.25	2.93	2.60	2.28
633-GW22LBP	GW22LBP	B	DPDT On-None-On	Paddle/White	3.25	2.93	2.60	2.28
633-GW22RCP	GW22RCP	A	DPDT On-None-On	Rocker/Red	3.25	2.93	2.60	2.28
633-GW22LCP	GW22LCP	B	DPDT On-None-On	Paddle/Red	3.25	2.93	2.60	2.28
633-GW22RHP	GW22RHP	A	DPDT On-None-On	Rocker/Gray	3.25	2.93	2.60	2.28
633-GW22LHP	GW22LHP	B	DPDT On-None-On	Paddle/Gray	3.25	2.93	2.60	2.28
Right Angle PC								
633-GW12RBH	GW12RBH	C	SPDT On-None-On	Rocker/White	2.70	2.43	2.16	1.89
633-GW12LBH	GW12LBH	D	SPDT On-None-On	Paddle/White	2.70	2.43	2.16	1.89
633-GW12RCH	GW12RCH	C	SPDT On-None-On	Rocker/Red	2.70	2.43	2.16	1.89
633-GW12LCH	GW12LCH	D	SPDT On-None-On	Paddle/Red	2.70	2.43	2.16	1.89
633-GW12RHH	GW12RHH	C	SPDT On-None-On	Rocker/Gray	2.70	2.43	2.16	1.89
633-GW12LHH	GW12LHH	D	SPDT On-None-On	Paddle/Gray	2.70	2.43	2.16	1.89
633-GW22RBH	GW22RBH	C	DPDT On-None-On	Rocker/White	3.25	2.93	2.60	2.28
633-GW22LBH	GW22LBH	D	DPDT On-None-On	Paddle/White	3.25	2.93	2.60	2.28
633-GW22RCH	GW22RCH	C	DPDT On-None-On	Rocker/Red	3.25	2.93	2.60	2.28
633-GW22LCH	GW22LCH	D	DPDT On-None-On	Paddle/Red	3.25	2.93	2.60	2.28
633-GW22RHH	GW22RHH	C	DPDT On-None-On	Rocker/Gray	3.25	2.93	2.60	2.28
633-GW22LHH	GW22LHH	D	DPDT On-None-On	Paddle/Gray	3.25	2.93	2.60	2.28
Vertical PC								
633-GW12RBV	GW12RBV	E	SPDT On-None-On	Rocker/White	2.70	2.43	2.16	1.89
633-GW12LBV	GW12LBV	F	SPDT On-None-On	Paddle/White	2.70	2.43	2.16	1.89
633-GW12RCV	GW12RCV	E	SPDT On-None-On	Rocker/Red	2.70	2.43	2.16	1.89
633-GW12LCV	GW12LCV	F	SPDT On-None-On	Paddle/Red	2.70	2.43	2.16	1.89
633-GW12RHV	GW12RHV	E	SPDT On-None-On	Rocker/Gray	2.70	2.43	2.16	1.89
633-GW12LHV	GW12LHV	F	SPDT On-None-On	Paddle/Gray	2.70	2.43	2.16	1.89
633-GW22RBV	GW22RBV	E	DPDT On-None-On	Rocker/White	3.25	2.93	2.60	2.28
633-GW22LBV	GW22LBV	F	DPDT On-None-On	Paddle/White	3.25	2.93	2.60	2.28
633-GW22RCV	GW22RCV	E	DPDT On-None-On	Rocker/Red	3.25	2.93	2.60	2.28
633-GW22LCV	GW22LCV	F	DPDT On-None-On	Paddle/Red	3.25	2.93	2.60	2.28
633-GW22RHV	GW22RHV	E	DPDT On-None-On	Rocker/Gray	3.25	2.93	2.60	2.28
633-GW22LHV	GW22LHV	F	DPDT On-None-On	Paddle/Gray	3.25	2.93	2.60	2.28



NKK GW SERIES: ULTRA THIN FULLY ILLUMINATED PADDLES

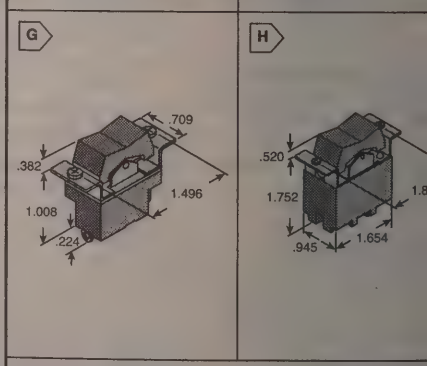
- Power rating: 0.4VA max. @ 28V AC/DC max.
- World smallest fully illuminated paddles
- Crisp actuation
- UL94V-0 case and base

NEW FROM SUPPLIER

LED Specifications	Colors			
	Red	Amber	Green	Red/Green
Forward Peak Current	25mA	25mA	25mA	25mA/25mA
Continuous Forward Current	20mA	20mA	20mA	20mA/25mA
Forward Voltage	2.0V	2.1V	2.1V	2.0V/2.1V
Reverse Peak Voltage	4V	4V	4V	4V/4V
Current Reduction Rate Above 25°C	0.33mA/°C	0.33mA/°C	0.33mA/°C	0.33mA/°C
Ambient Temperature Range	-25°C~+55° C			

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Color	Price Each 1	25	50	100
Straight PC								
633-GW12LJPC	GW12LJPC	B	SPDT On-None-On	Red	4.50	4.32	4.05	3.78
633-GW12LJPD	GW12LJPD	B	SPDT On-None-On	Amber	4.50	4.32	4.05	3.78
633-GW12LJPF	GW12LJPF	B	SPDT On-None-On	Green	4.50	4.32	4.05	3.78
633-GW12LJPCF	GW12LJPCF	B	SPDT On-None-On	Red/Green	5.40	5.18	4.86	4.54
Right Angle PC								
633-GW12LJHC	GW12LJHC	D	SPDT On-None-On	Red	4.50	4.32	4.05	3.78
633-GW12LJHD	GW12LJHD	D	SPDT On-None-On	Amber	4.50	4.32	4.05	3.78
633-GW12LJHF	GW12LJHF	D	SPDT On-None-On	Green	4.50	4.32	4.05	3.78
633-GW12LJHCF	GW12LJHCF	D	SPDT On-None-On	Red/Green	5.40	5.18	4.86	4.54
Vertical PC								
633-GW12LJVC	GW12LJVC	F	SPDT On-None-On	Red	4.50	4.32	4.05	3.78
633-GW12LJVD	GW12LJVD	F	SPDT On-None-On	Amber	4.50	4.32	4.05	3.78
633-GW12LJVF	GW12LJVF	F	SPDT On-None-On	Green	4.50	4.32	4.05	3.78
633-GW12LJVCF	GW12LJVCF	F	SPDT On-None-On	Red/Green	5.40	5.18	4.86	4.54

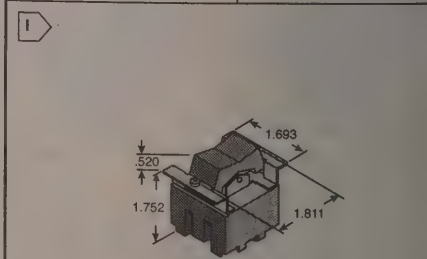


NKK SW SERIES: MEDIUM AND HIGH CAPACITY ROCKER SWITCHES

- Solder and screw lug terminals available
- Screw lug includes screws and mounting hardware
- Long electrical and mechanical life
- Actuator Color: White

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Resistive Load AC 125V	AC 250V	AC 30V	Inductive AC 125V PF 0.6	Price Each 1	25	50	100
Medium Capacity, Solder Lug Termination											
633-SW3001A	SW3001A	G	SPST On-None-Off	15A	6A	15A	10A	3.36	3.02	2.69	2.44
633-SW3002A	SW3002A	G	SPDT On-None-On	15A	6A	15A	10A	3.50	3.39	3.28	3.18
633-SW3003A	SW3003A	G	SPDT On-Off-On	15A	6A	15A	10A	3.60	3.48	3.37	3.26
633-SW3006A	SW3006A	G	DPDT On-None-On	20A	10A	20A	10A	5.72	5.03	4.86	4.71
633-SW3007A	SW3007A	G	DPDT On-Off-On	15A	6A	15A	10A	6.06	5.33	5.15	4.98
633-SW3008A	SW3008A	G	DPDT (On)-None-(On)	15A	6A	15A	10A	7.38	6.45	6.24	6.04
High Capacity, Screw Lug Termination											
633-SW3821	SW3821	H	DPST On-None-Off	30A	30A	30A	30A	19.85	19.20	18.56	17.97
633-SW3822	SW3822	H	DPDT On-None-On	30A	30A	30A	30A	20.60	19.93	19.26	18.64
633-SW3823	SW3823	H	DPDT On-Off-On	30A	30A	30A	30A	21.00	20.31	19.64	19.00
633-SW3831	SW3831	I	3PST On-None-Off	30A	30A	30A	30A	29.75	28.77	27.81	26.91
633-SW3832	SW3832	I	3PDT On-None-On	30A	30A	30A	30A	36.15	34.96	33.80	32.71
633-SW3833	SW3833	I	3PDT On-Off-On	30A	30A	30A	30A	36.15	34.96	33.80	32.71



MOUSER ELECTRONICS a tti company
(800) 346-6873

NKK SWITCHES

K CW SERIES: SNAP-IN POWER ROCKERS

er Rating:
VSA & CWSB: 6A @ 250V AC
VT: 6A @ 125V AC; 3A @ 250V AC

CWSA & CWSB CWT

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Inscription	Price Each 1	25	50	100
-CWSA11AANS	CWSA11AANS	A	SPST On-None-Off	None	1.60	1.45	1.36	1.28
-CWSA11AAN1S	CWSA11AAN1S	A	SPST On-None-Off	Horizontal	1.70	1.55	1.46	1.36
-CWSA11AAN2S	CWSA11AAN2S	A	SPST On-None-Off	Vertical	1.70	1.55	1.46	1.36
-CWSA11AAN3S	CWSA11AAN3S	A	SPST On-None-Off	Dot	1.70	1.55	1.46	1.36
-CWSA12AANS	CWSA12AANS	A	SPDT On-None-On	None	1.75	1.58	1.49	1.39
-CWSB11AAF	CWSB11AAF	B	SPST On-None-Off	None	1.70	1.55	1.46	1.36
-CWSB11AA1F	CWSB11AA1F	B	SPST On-None-Off	Horizontal	1.80	1.63	1.53	1.44
-CWSB11AA2F	CWSB11AA2F	B	SPST On-None-Off	Vertical	1.80	1.63	1.53	1.44
-CWSB11AA3F	CWSB11AA3F	B	SPST On-None-Off	Dot	1.80	1.63	1.53	1.44
-CWSB21AA1F	CWSB21AA1F	B	DPST On-None-Off	Horizontal	2.50	2.28	2.14	2.00
-CWSB21AA2F	CWSB21AA2F	B	DPST On-None-Off	Vertical	2.50	2.28	2.14	2.00
-CWT12AAS1	CWT12AAS1	C	SPDT On-None-On	None	2.00	1.82	1.71	1.60

K CW SERIES: ILLUMINATED SNAP-IN MINIATURE ROCKERS

mination:
ED illuminated rockers: .110 solder/quick connect
on illuminated rockers: .187 quick connect

CWSC CWSB

gle Element LED Specifications

Color	Red	Amber	Green
ward Peak Current	30mA	30mA	30mA
tinuous Forward Current	20mA	20mA	20mA
ward Voltage	1.95V	2.0V	2.1V
erse Peak Voltage	5V	5V	5V
ent Reduction Rate Above 25°C	0.41mA/°C	0.29mA/°C	0.39mA/°C
ient Temp. Range	-10~+50° C		

Neon Lamp Specifications

Color	Red	Amber	Green
Voltage AC	125V	125V	125V
Internal Series Resistance	33KΩ	33KΩ	68KΩ
Current	1.4mA	1.4mA	0.6mA
Endurance (Hours)	15,000	15,000	8,000

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Illumination	Rocker Description	Price Each 1	25	50	100
D Illumination, Power Rating: 9A @ 125V AC or 6A @ 250V AC									
-CWSC11JCACS	CWSC11JCACS	D	SPST On-None-Off	Red	Clear/Red Diffuser	3.27	3.15	3.04	2.84
-CWSC11JDADS	CWSC11JDADS	D	SPST On-None-Off	Amber	Clear/Amber Diffuser	3.27	3.15	3.04	2.84
-CWSC11JFAFS	CWSC11JFAFS	D	SPST On-None-Off	Green	Clear/Green Diffuser	3.27	3.15	3.04	2.84
-CWSC21JCACS	CWSC21JCACS	D	DPST On-None-Off	Red	Clear/Red Diffuser	5.34	5.15	4.96	4.64
-CWSC21JDADS	CWSC21JDADS	D	DPST On-None-Off	Amber	Clear/Amber Diffuser	5.34	5.15	4.96	4.64
-CWSC21JFAFS	CWSC21JFAFS	D	DPST On-None-Off	Green	Clear/Green Diffuser	5.34	5.15	4.96	4.64
on Illumination, Power Rating: 9A @ 125V AC									
-CWSB21CACF	CWSB21CACF	E	DPST On-None-Off	Red	Red	2.75	2.64	2.56	2.39
-CWSB21DADF	CWSB21DADF	E	DPST On-None-Off	Amber	Amber	2.75	2.64	2.56	2.39
-CWSB21FAFF	CWSB21FAFF	E	DPST On-None-Off	Green	Green	2.75	2.64	2.56	2.39

K JW SERIES: HIGH INRUSH RATED ROCKERS

er Rating:
VM: TV-5 Rated 10A @ 125/250V AC
VL: TV-8 Rated 16A @ 125/250V AC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Cap Color	Inscription	Price Each 1	25	50	100
-JWM11RAA	JWM11RAA	F	10A SPST On-Off	Black	None	4.70	4.27	4.01	3.76
-JWM11RA1A	JWM11RA1A	F	10A SPST On-Off	Black	Horizontal	5.10	4.64	4.36	4.07
-JWM11RA2A	JWM11RA2A	F	10A SPST On-Off	Black	Vertical	5.10	4.64	4.36	4.07
-JWM12RAA	JWM12RAA	F	10A SPDT On-On	Black	None	5.70	5.18	4.87	4.55
-JWM21RAA	JWM21RAA	F	10A DPST On-Off	Black	None	6.25	5.68	5.33	4.99
-JWM21RA1A	JWM21RA1A	F	10A DPST On-Off	Black	Horizontal	6.65	6.04	5.67	5.31
-JWM21RA2A	JWM21RA2A	F	10A DPST On-Off	Black	Vertical	6.65	6.04	5.67	5.31
-JWM21RCA	JWM21RCA	F	10A DPST On-Off	Red	None	6.25	5.68	5.33	4.99
-JWM21RC1A	JWM21RC1A	F	10A DPST On-Off	Red	Horizontal	6.65	6.04	5.67	5.31
-JWM21RC2A	JWM21RC2A	F	10A DPST On-Off	Red	Vertical	6.65	6.04	5.67	5.31
-JWM22RAA	JWM22RAA	F	10A DPDT On-On	Black	None	7.45	6.77	6.36	5.95
-JWM22RCA	JWM22RCA	F	10A DPDT On-On	Red	None	7.45	6.77	6.36	5.95
-JWL11RAA	JWL11RAA	G	16A SPST On-Off	Black	None	6.25	5.68	5.33	4.99
-JWL11RA1A	JWL11RA1A	G	16A SPST On-Off	Black	Horizontal	6.65	6.04	5.67	5.31
-JWL11RA2A	JWL11RA2A	G	16A SPST On-Off	Black	Vertical	6.65	6.04	5.67	5.31
-JWL11RCA	JWL11RCA	G	16A SPST On-Off	Red	None	6.25	5.68	5.33	4.99
-JWL11RC1A	JWL11RC1A	G	16A SPST On-Off	Red	Horizontal	6.65	6.04	5.67	5.31
-JWL11RC2A	JWL11RC2A	G	16A SPST On-Off	Red	Vertical	6.65	6.04	5.67	5.31
-JWL12RAA	JWL12RAA	G	16A SPDT On-On	Black	None	7.45	6.77	6.36	5.95
-JWL12RCA	JWL12RCA	G	16A SPDT On-On	Red	None	7.45	6.77	6.36	5.95
-JWL21RAA	JWL21RAA	G	16A DPST On-Off	Black	None	8.65	7.85	7.38	6.90
-JWL21RA1A	JWL21RA1A	G	16A DPST On-Off	Black	Horizontal	9.05	8.22	7.72	7.22
-JWL21RA2A	JWL21RA2A	G	16A DPST On-Off	Black	Vertical	9.05	8.22	7.72	7.22
-JWL21RCA	JWL21RCA	G	16A DPST On-Off	Red	None	8.65	7.85	7.38	6.90
-JWL21RC1A	JWL21RC1A	G	16A DPST On-Off	Red	Horizontal	9.05	8.22	7.72	7.22
-JWL21RC2A	JWL21RC2A	G	16A DPST On-Off	Red	Vertical	9.05	8.22	7.72	7.22
-JWL22RAA	JWL22RAA	G	16A DPDT On-On	Black	None	10.75	9.75	9.16	8.57
-JWL22RCA	JWL22RCA	G	16A DPDT On-On	Red	None	10.75	9.75	9.16	8.57

K ENVIRONMENTALLY SEALED ROCKER SWITCHES

cifications:
ower rating: 15A @ 125/250V AC or 15A @ 30V DC
ire leads: AWG 16 heat resistant PVC
ctuator color: Black

- IP67 of IEC529
- UL 94V-0 Flammability Rating

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each 1	25	50	100
-WR11AS	WR11AS	H	SPST On-None-Off	Solder Lug	12.47	11.46	10.78	10.11
-WR11AT	WR11AT	H	SPST On-None-Off	Screw Lug	13.14	12.07	11.36	10.65
-WR11AL	WR11AL	H	SPST On-None-Off	Wire leads	25.44	23.38	22.00	20.63
-WR12AS	WR12AS	H	SPDT On-None-On	Solder Lug	13.23	12.16	11.44	10.73
-WR12AT	WR12AT	H	SPDT On-None-On	Screw Lug	13.89	12.77	12.02	11.27
-WR12AL	WR12AL	H	SPDT On-None-On	Wire leads	26.20	24.07	22.66	21.24
-WR13AS	WR13AS	H	SPDT On-Off-On	Solder Lug	13.99	12.85	12.10	11.34
-WR13AT	WR13AT	H	SPDT On-Off-On	Screw Lug	14.65	13.46	12.67	11.88
-WR13AL	WR13AL	H	SPDT On-Off-On	Wire leads	26.97	24.79	23.33	21.87

DIMENSIONS (IN.)

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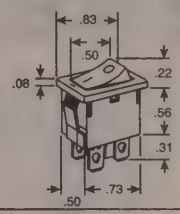

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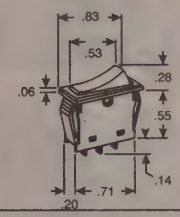

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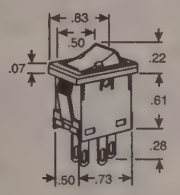

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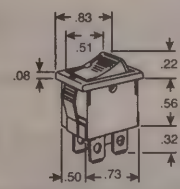

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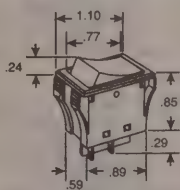

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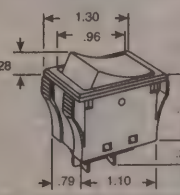

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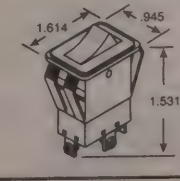

ROCKER SWITCHES

Features:
- Material: Frames are nylon (Ulflame 94V-2 except R13-228 which is UL flame 94HB)
- Terminals: Silver plated brass
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1500VAC 1 minute
- Neon illumination: 125VAC w/33kΩ dropping resistor
- LED illumination: LED rating 10mA Vf=1.85V
- Easy to install switches into panel

LR45128

R13-49 Series

• Screw Type Mounting • Rating: 10A/125VAC, 6A/250VAC • Termination: Solder Lug

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button	Type	Circuit	Price Each 1	10	100	200	500
112-R13-49A-B/B	R13-49A-B/B-05	A	Black button white dot	SPST	On-Off	1.48	1.19	.90	.79	.61
112-R13-49A-R/B	R13-49A-R/B-05	A	Red button white dot	SPST	On-Off	1.48	1.19	.90	.79	.61
112-R13-49B-B/B	R13-49B-B/B-05	A	Black button	DPDT	On-On	1.97	1.64	1.31	1.09	.91
112-R13-49B-R/B	R13-49B-R/B-05	A	Red button	DPDT	On-On	1.97	1.64	1.31	1.09	.91

R13-66 Series

• Snap-in Mounting • Rating: 16A/125VAC, 10A/250VAC • Termination: .187" QC

11037-4401 E67774 LR45128

For quantities of 1000 and up, call for quote.

112-R13-66A-B	R13-66A-B-02	B	Black button marked I-0	SPST	On-Off	1.05	.90	.70	.63	.59
112-R13-66A-R	R13-66A-R-02	B	Red button marked I-0	SPST	On-Off	1.05	.90	.70	.63	.59
112-R13-66B-R	R13-66B-R-02	B	Neon illuminated red button	SPST	On-Off	1.25	1.07	.84	.76	.70
112-R13-66B-G	R13-66B-G-02	B	Neon illuminated green button	SPST	On-Off	1.25	1.07	.84	.76	.70
112-R13-66C-B	R13-66C-B-02	B	Black button	SPDT	On-On	1.25	1.07	.84	.76	.70
112-R13-66C-R	R13-66C-R-02	B	Red button	SPDT	On-On	1.25	1.07	.84	.76	.70
112-R13-66D	R13-66D-02	B	Black button marked I-0-II	SPDT	On-Off-On	1.25	1.07	.84	.76	.70
112-R13-66L-R	R13-66L-R-02	B	LED illuminated red button	SPST	On-Off	1.32	1.13	.88	.84	.81
112-R13-66L-Y	R13-66L-Y-02	B	LED illuminated yellow button	SPST	On-Off	1.32	1.13	.88	.84	.81
112-R13-66L-G	R13-66L -G-02	B	LED illuminated green button	SPST	On-Off	1.32	1.13	.88	.84	.81

R13-73 Series

• Snap-in Mounting • Rating: 10A/125VAC, 6A/250VAC • Termination: .187" QC

11037-4401 E67774 LR45128

For quantities of 1000 and up, call for quote.

112-R13-73A2-B	R13-73A2-B-02	C	Black button marked I-0	DPST	On-Off	1.84	1.66	1.49	1.34	1.23
112-R13-73B-R	R13-73B-R-02	C	Neon illuminated red button	SPST	On-Off	1.58	1.42	1.28	1.15	1.06
112-R13-73B-Y	R13-73B-Y-02	C	Neon illuminated yellow button	SPST	On-Off	1.58	1.42	1.28	1.15	1.06
112-R13-73B-G	R13-73B-G-02	C	Neon illuminated green button	SPST	On-Off	1.75	1.58	1.42	1.28	1.17
112-R13-73C-R	R13-73C-R-02	C	Neon illuminated red button	DPST	On-Off	2.20	1.98	1.78	1.60	1.48
112-R13-73C-Y	R13-73C-Y-02	C	Neon illuminated yellow button	DPST	On-Off	2.20	1.98	1.78	1.60	1.48
112-R13-73C-G	R13-73C-G-02	C	Neon illuminated green button	DPST	On-Off	2.39	2.15	1.94	1.74	1.60

R13-104 Series

• Snap-in Mounting • Rating: 16A/125VAC, 10A/250VAC • Termination: .250" QC

11037-4401 E67774 LR45128

For quantities of 1000 and up, call for quote.

112-R13-104A	R13-104A-01	D	Black button	DPST	On-Off	2.49	2.24	2.02	1.82	1.67
112-R13-104B-R	R13-104B-R-01	D	Neon illuminated red button	DPST	On-Off	3.23	2.91	2.62	2.35	2.17
112-R13-104B-G	R13-104B-G-01	D	Neon illuminated green button	DPST	On-Off	3.23	2.91	2.62	2.35	2.17
112-R13-104C	R13-104C-01	D	Black button	DPDT	On-On	3.23	2.91	2.62	2.35	2.17
112-R13-104D	R13-104D-01	D	Black button	DPDT	On-Off-On	3.23	2.91	2.62	2.35	2.17

R13-130 Series

• Screw Type Mounting • Rating: 10A/125VAC, 6A/250VAC • Termination: Solder Lug

LR45128

For quantities of 1000 and up, call for quote.

112-R13-130A	R13-130A-05	E	Black button marked I-0	SPST	On-Off	1.29	1.16	1.04	.94	.87
112-R13-130B	R13-130B-05	E	Black button	DPDT	On-On	1.59	1.43	1.29	1.16	1.07
112-R13-130C	R13-130C-05	E	Black button	SPDT	On-On	1.44	1.30	1.17	1.05	.97

R13-136 Series

• Screw Type Mounting • Rating: 10A/125VAC, 6A/250VAC • Termination: Solder Lug

LR45128

For quantities of 1000 and up, call for quote.

112-R13-136A-B	R13-136A-B-05	F	Black button marked I-0	SPST	On-Off	1.84	1.66	1.49	1.37	1.26
112-R13-136A-R	R13-136A-R-05	F	Red button marked I-0	SPST	On-Off	1.84	1.66	1.49	1.37	1.26
112-R13-136B-B	R13-136B-B-05	F	Black button	DPDT	On-On	2.58	2.32	2.09	1.92	1.77
112-R13-136B-R	R13-136B-R-05	F	Red button	DPDT	On-On	2.58	2.32	2.09	1.92	1.77
112-R13-136C-B	R13-136C-B-05	F	Black button	SPDT	On-On	2.20	1.98	1.78	1.64	1.51
112-R13-136C-R	R13-136C-R-05	F	Red button	SPDT	On-On	2.20	1.98	1.78	1.64	1.51

R13-213 Series

• Screw Type Mounting • Rating: 6A/125VAC, 3A/250VAC • Termination: .110" QC

For quantities of 1000 and up, call for quote.

112-R13-213A-B	R13-213A-B-03	G	Black button	SPST	On-Off	3.59	3.23	2.90	2.61	2.40
112-R13-213A-R	R13-213A-R-03	G	Red button	SPST	On-Off	3.59	3.23	2.90	2.61	2.40
112-R13-213B-B	R13-213B-B-03	G	Black button	DPDT	On-On	6.35	5.71	5.14	4.63	4.26
112-R13-213B-R	R13-213B-R-03	G	Red button	DPDT	On-On	6.35	5.71	5.14	4.63	4.26
112-R13-213C	R13-213C-03	G	Black button	SPDT	On-On	4.41	3.97	3.57	3.21	2.96
112-R13-213F	R13-213F-03	G	Black button	DPST	On-Off	4.95	4.46	4.01	3.61	3.32

R13-228 Series

• Screw Type Mounting • Rating: 10A/125VAC, 6A/250VAC • Termination: Solder Lug

For quantities of 1000 and up, call for quote.

112-R13-228A	R13-228A-05	H	Black button marked I-0	SPST	On-Off	2.48	2.23	2.01	1.81	1.66
112-R13-228B-R	R13-228B-R-05	H	Neon illuminated red button	SPST	On-Off	3.22	2.90	2.61	2.35	2.16
112-R13-228B-G	R13-228B-G-05	H	Neon illuminated green button	SPST	On-Off	3.22	2.90	2.61	2.35	2.16
112-R13-228C	R13-228C-05	H	Black button	SPDT	On-On	3.40	3.06	2.75	2.48	2.28

R13-241 Series

• Screw Type Mounting • Rating: 6A/125VAC, 3A/250VAC • Termination: Solder Lug

For quantities of 1000 and up, call for quote.

112-R13-241A	R13-241A-05	I	Black button	SPST	On-Off	2.20	1.98	1.78	1.60	1.48
112-R13-241C	R13-241C-05	I	Black button	SPDT	On-On	2.30	2.07	1.86	1.68	1.54
112-R13-241D	R13-241D-05	I	Black button	SPDT	On-Off-On	2.48	2.23	2.01	1.81	1.66

R13-243 Series

• Snap-in Mounting • Rating: 8A/125VAC, 4A/250VAC • Termination: .187" QC

For quantities of 1000 and up, call for quote.

112-R13-243A	R13-243A-02	J	Black button	SPST	On-Off	1.48	1.33	1.20	1.08	.99
112-R13-243E	R13-243E-02	J	Black button	SPST	On-(Off)	2.06	1.86	1.67	1.50	1.38
112-R13-243F	R13-243F-02	J	Black button	SPST	(On)-Off	2.20	1.98	1.78	1.60	1.48

DIMENSIONS (IN.)

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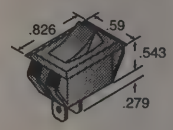

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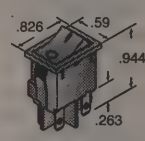

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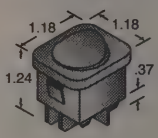

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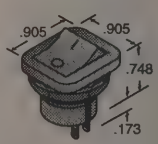

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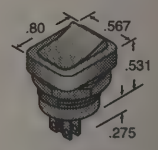

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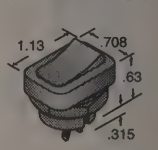

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ALCOSWITCH Slide Switches

SE/F SERIES SLIDE SWITCHES

ecifications:
erminal seal: Insert molded
ontact timing: Shorting
• Contact resistance: 40 mΩ max.
• Contact rating: Gold, 0.4VA; Silver, 300mA @ 115VAC

DIMENSIONS (mm.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dim. "L"	Contact Form	Contact Material	Price Each 1	25	50	100
tended Actuator, Open Ended Case									
6-ASE22	ASE22	A	10.2	DPDT	Silver	2.46	2.21	1.97	1.82
6-ASE22G	ASE22G	A	10.2	DPDT	Gold	3.34	3.01	2.67	2.47
6-ASE42	ASE42	A	17.8	4PDT	Silver	2.72	2.45	2.18	2.01
6-ASE62	ASE62	A	25.4	6PDT	Silver	3.28	2.95	2.62	2.43
ush Actuator, Tape Seal, Sealed Case									
6-ASF22	ASF22	B	10.2	DPDT	Silver	1.52	1.37	1.22	1.12
6-ASF22G	ASF22G	B	10.2	DPDT	Gold	3.18	2.86	2.54	2.35
6-ASF42	ASF42	B	17.8	4PDT	Silver	1.68	1.51	1.34	1.24
6-ASF62	ASF62	B	25.4	6PDT	Silver	3.28	2.95	2.62	2.43

SS SERIES INSTRUMENTATION GRADE SLIDE SWITCHES

Contact rating: Gold: 0.4VA @ 20VDC; Silver - 300mA @ 125VAC
• Contact material: Gold or silver over nickel
• Contact timing: Make-before-break

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Contact Form	Mounting Style	Contact Material	Price Each 1	25	50	100
06-MSS1200	MSS1200	C	SPDT	Upright	Silver	1.82	1.64	1.46	1.35
06-MSS1200G	MSS1200G	C	SPDT	Upright	Gold	2.30	2.07	1.84	1.70
06-MSS1200R	MSS1200R	D	SPDT	Right angle	Silver	1.54	1.46	1.30	1.13
06-MSS1200RG	MSS1200RG	D	SPDT	Right angle	Gold	2.30	2.07	1.84	1.70
06-MSS2250G	MSS2250G	E	DPDT	Upright	Gold	2.66	2.39	2.13	1.97
06-MSS2250R	MSS2250R	F	DPDT	Right angle	Silver	1.30	1.17	1.04	.96
06-MSS2250RG	MSS2250RG	F	DPDT	Right angle	Gold	2.66	2.39	2.13	1.97
06-MSS4200	MSS4200	G	4PDT	Upright	Silver	1.74	1.57	1.39	1.29
06-MSS4200R	MSS4200R	H	4PDT	Right angle	Silver	2.20	1.98	1.76	1.63
06-MSS4350R	MSS4350R	I	4P3T	Right angle	Silver	2.78	2.50	2.22	2.06

SSA SERIES INSTRUMENTATION GRADE SLIDE SWITCHES

Operating force: 470 grams
Contact timing: Shorting
Contact rating: 300mA @ 125VAC
Contact resistance: 30 mΩ max.
• Case material: Cold rolled steel
• Contact material: Silver over copper alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Dim. A (mm)	Dim. B (mm)	Contact Form	Mounting Style	Contact Material	Price Each 1	25	50	100
06-MSSA1350	MSSA1350	J	11.5	10.2	SP3T	Upright	Silver	4.64	4.39	3.90	3.42
06-MSSA2350	MSSA2350	J	12.0	10.4	DP3T	Upright	Silver	9.42	8.48	7.54	6.97
06-MSSA2350R	MSSA2350R	K	- - -	- - -	DP3T	Rt. angle	Silver	9.06	8.15	7.25	6.70
06-MSSA2450	MSSA2450	J	12.0	10.4	DP4T	Upright	Silver	9.72	8.75	7.78	7.19

L SERIES SLIDE SWITCHES W/ PC TAILS AND LEVER ACTUATORS

Contact timing: Break-before-make
Contact resistance: 30 mΩ max.
Contact rating: 250mA @ 125VAC
• Case material: Steel
• Contact material: Silver over copper alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	No. of Positions	Dim. A (mm)	Dim. B (mm)	Price Each 1	25	50	100
06-SL-330	SL330	L	3	28.19	23.10	2.94	2.65	2.35	2.18
06-SL550	SL550	L	5	36.07	30.99	1.94	1.75	1.55	1.44

LS SERIES MINIATURE, ROLLING CONTACT SLIDE SWITCHES

Contact timing: Break-before-make
Contact material: Ag over Ni over Cu alloy
• Contact rating: 250mA @ 125VAC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Contact Form	Mounting Style	Price Each 1	25	50	100
06-SLS121PC	SLS121PC	M	SPDT	Upright	.60	.54	.48	.44
06-SLS121RA	SLS121RA	N	SPDT	Right angle	.72	.65	.58	.53
06-SLS131PC	SLS131PC	O	SPDT	Upright	1.66	1.49	1.33	1.23
06-SLS131RA	SLS131RA	P	SPDT	Right angle	1.84	1.66	1.47	1.36

SA SERIES MICRO SIZE INSTRUMENTATION GRADE SLIDE SWITCHES

Contact timing: Break-before-make
Contact rating: Gold - 250mA @ 20VDC; Silver - 100mA @ 30 VDC
• Case material: Polyester PPS UL94V-0
• Contact material: Silver or gold plate

For quantities of 500 and up, call for quote.

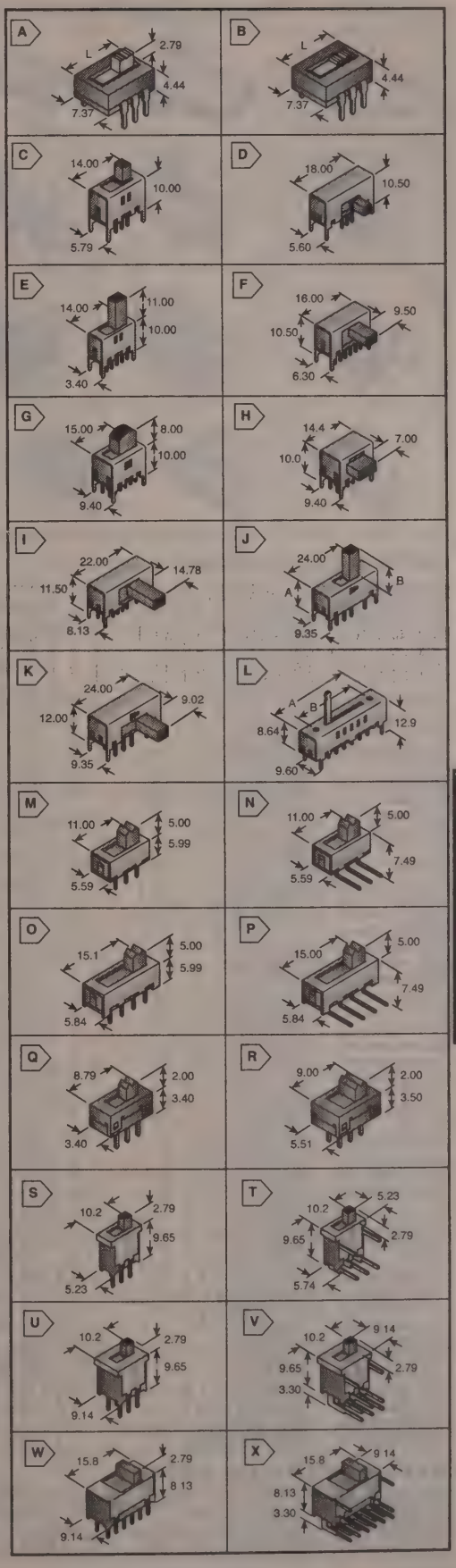
MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Contact Form	Contact Material	Price Each 1	25	50	100
06-SSA12	SSA12	Q	SPDT	Silver	1.66	1.49	1.33	1.23
06-SSA12G	SSA12G	Q	SPDT	Gold	2.26	2.03	1.81	1.67
06-SSA22	SSA22	R	DPDT	Silver	2.10	1.89	1.68	1.55
06-SSA22G	SSA22G	R	DPDT	Gold	2.76	2.48	2.21	2.04

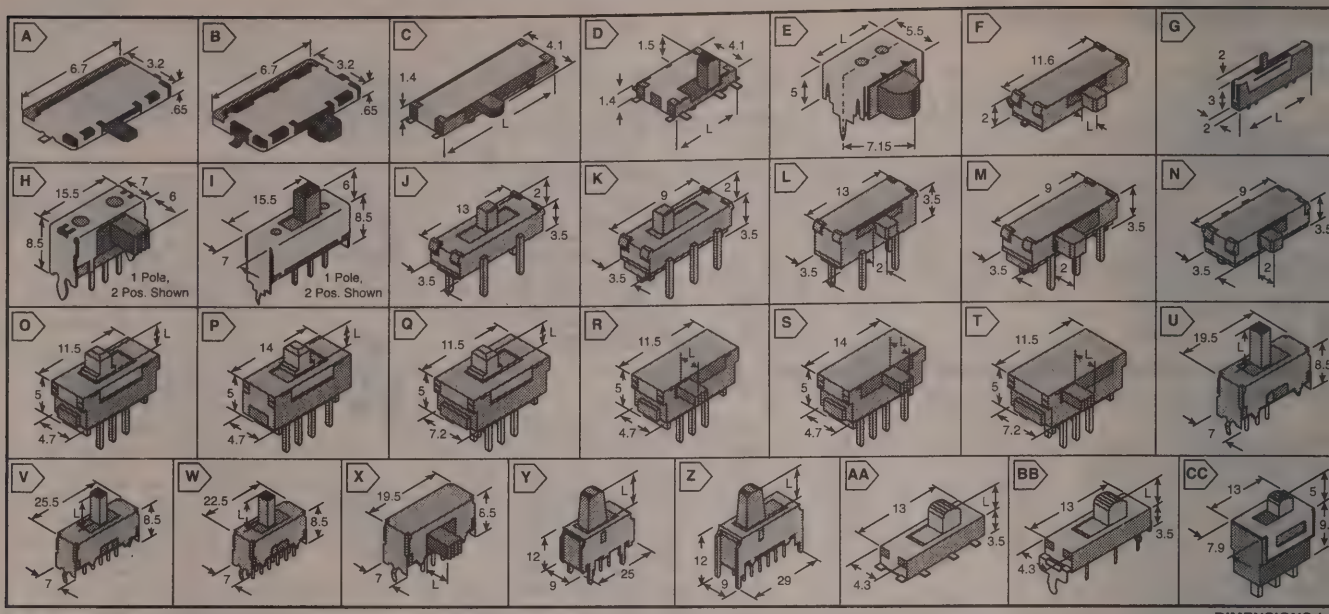
SS SERIES SLIDE SWITCHES

Case material: Polyester UL94V-0
Contact material: Cu w/ Au over Ni
• Contact rating: 250mA @ 20VDC
• Contact timing: Non-shorting
• Switch function: On-None-On

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Contact Form	Mounting Style	Price Each 1	25	50	100
6-TSS11DGPC	TSS11DGPC	S	SPDT	Upright	3.82	3.60	3.18	2.86
6-TSS11DGRA	TSS11DGRA	T	SPDT	Right angle	2.36	2.23	1.97	1.77
6-TSS21NGPC	TSS21NGPC	U	DPDT	Upright	6.77	6.39	5.64	5.08
6-TSS21NGRA	TSS21NGRA	V	DPDT	Right angle	8.69	8.21	7.25	6.52
6-TSS41NGPC	TSS41NGPC	W	4PDT	Upright	11.47	10.83	9.56	8.60
6-TSS41NGRA	TSS41NGRA	X	4PDT	Right angle	12.71	12.00	10.59	9.53





ALPS SLIDE SWITCHES

DIMENSIONS (m

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Alps Part No.	Fig.	Travel (mm)	No. of Poles	No. of Pos.	Contact Rating	Mounting Style	Actuation Direction	Changeover Timing	Location Lug	Dim. L (mm)	Features	Price Each 1	50	100	5
688-SSAD120100	SSAD120100	A	1.5	1	2	1mA @ 5VDC	SMD	Horizontal	Not specified	No	----	Low profile	1.01	1.00	.90	.
688-SSAD110100	SSAD110100	B	1.5	1	2	1mA @ 5VDC	SMD	Horizontal	Not specified	Yes	----	Low profile	1.41	1.00	.90	.
688-SSSS811101	SSSS811101	C	1.5	1	2	0.3A @ 4VDC	SMD	Horizontal	Not specified	Yes	6.7	With ground	.71	.50	.45	.
688-SSSS810201	SSSS810201	C	1.5	1	2	0.3A @ 4VDC	SMD	Horizontal	Not specified	Yes	9.7	With ground	.99	.70	.63	.
688-SSSS820201	SSSS820201	D	1.5	2	2	0.3A @ 4VDC	SMD	Vertical	Not specified	Yes	6.7	With ground	1.06	.75	.67	.
688-SSSS820501	SSSS820501	D	1.5	2	3	0.3A @ 4VDC	SMD	Vertical	Not specified	Yes	9.7	With ground	1.20	.85	.76	.
688-SSAC120100	SSAC120100	E	1.5	2	2	1mA @ 5VDC	PCB	Horizontal	Non-shorting	----	9.5	With external knob	.49	.35	.31	.
688-SSAC120200	SSAC120200	E	1.5	2	3	1mA @ 5VDC	PCB	Horizontal	Not specified	----	11	With external knob	.57	.40	.36	.
688-SSSS7C0101	SSSS7C0101	F	1.5	1	2	0.3A @ 4VDC	SMD	Horizontal	Not specified	No	0.9	Double-side recoil	3.07	2.17	1.95	1.
688-SSSS7C0201	SSSS7C0201	F	1.5	1	2	0.3A @ 4VDC	SMD	Horizontal	Not specified	No	1.5	Double-side recoil	3.07	2.17	1.95	1.
688-SSSS710603	SSSS710603	G	2.0	1	2	0.3A @ 4VDC	PCB	Horizontal	Not specified	----	8.8	Standard type	1.56	1.10	.99	.
688-SSSS711403	SSSS711403	G	2.0	1	3	0.3A @ 4VDC	PCB	Horizontal	Non-shorting	----	12.5	Standard type	1.76	1.25	1.12	.
688-SSSS7A0101	SSSS7A0101	G	2.0	1	3	0.3A @ 4VDC	PCB	Horizontal	Non-shorting	----	12.5	Single-side recoil	2.00	1.41	1.27	.
688-SSSS7B0101	SSSS7B0101	G	2.0	1	2	0.3A @ 4VDC	PCB	Horizontal	Non-shorting	----	12.5	Double-side recoil	2.00	1.41	1.27	.
688-SSSF111800	SSSF111800	H	2.0	1	2	0.1A @ 30VDC	PCB	Horizontal	Non-shorting	----	----	Large size, general purpose	1.06	.75	.67	.
688-SSSF114900	SSSF114900	H	2.0	1	3	0.1A @ 30VDC	PCB	Horizontal	Non-shorting	----	----	Large size, general purpose	1.20	.85	.76	.
688-SSSF121900	SSSF121900	H	2.0	2	2	0.1A @ 30VDC	PCB	Horizontal	Non-shorting	----	----	Large size, general purpose	1.41	1.00	.90	.
688-SSSF011700	SSSF011700	I	2.0	1	2	0.1A @ 30VDC	PCB	Vertical	Non-shorting	----	----	Large size, general purpose	1.06	.75	.67	.
688-SSSF014800	SSSF014800	I	2.0	1	3	0.1A @ 30VDC	PCB	Vertical	Non-shorting	----	----	Large size, general purpose	1.20	.85	.76	.
688-SSSF021500	SSSF021500	I	2.0	2	2	0.1A @ 30VDC	PCB	Vertical	Non-shorting	----	----	Large size, general purpose	1.41	1.00	.90	.
688-SSSS211900	SSSS211900	J	2.0	1	3	0.3A @ 6VDC	PCB	Vertical	Non-shorting	----	----	High density mounting	1.06	.75	.67	.
688-SSSS222700	SSSS222700	K	2.0	2	2	0.3A @ 6VDC	PCB	Vertical	Non-shorting	----	----	High density mounting	1.13	.80	.72	.
688-SSSS212200	SSSS212200	L	2.0	1	3	0.3A @ 6VDC	PCB	Horizontal	Non-shorting	----	----	High density mounting	1.06	.75	.67	.
688-SSSS223200	SSSS223200	M	2.0	2	2	0.3A @ 6VDC	PCB	Horizontal	Non-shorting	----	----	High density mounting	1.13	.80	.72	.
688-SSSS211603	SSSS211603	N	2.0	1	2	0.3A @ 6VDC	SMD	Horizontal	Non-shorting	----	----	High density mounting	1.27	.90	.81	.
688-SSSS912000	SSSS912000	O	2.0	1	2	0.1A @ 12VDC	PCB	Vertical	Non-shorting	----	2	High operability	.85	.60	.54	.
688-SSSS912500	SSSS912500	O	2.0	1	2	0.1A @ 12VDC	PCB	Vertical	Non-shorting	----	4	High operability	.85	.60	.54	.
688-SSSS919500	SSSS919500	P	2.0	1	3	0.1A @ 12VDC	PCB	Vertical	Not specified	----	2	High operability	.99	.70	.63	.
688-SSSS919800	SSSS919800	P	2.0	1	3	0.1A @ 12VDC	PCB	Vertical	Not specified	----	4	High operability	.99	.70	.63	.
688-SSSS922000	SSSS922000	Q	2.0	2	2	0.1A @ 12VDC	PCB	Vertical	Non-shorting	----	2	High operability	1.13	.80	.72	.
688-SSSS922500	SSSS922500	Q	2.0	2	2	0.1A @ 12VDC	PCB	Vertical	Non-shorting	----	4	High operability	1.13	.80	.72	.
688-SSSS916900	SSSS916900	R	2.0	1	2	0.1A @ 12VDC	PCB	Horizontal	Non-shorting	----	2	High operability	.85	.60	.54	.
688-SSSS916400	SSSS916400	R	2.0	1	2	0.1A @ 12VDC	PCB	Horizontal	Non-shorting	----	4	High operability	.85	.60	.54	.
688-SSSS91B900	SSSS91B900	S	2.0	1	3	0.1A @ 12VDC	PCB	Horizontal	Not specified	----	2	High operability	.99	.70	.63	.
688-SSSS91B600	SSSS91B600	S	2.0	1	3	0.1A @ 12VDC	PCB	Horizontal	Not specified	----	4	High operability	.99	.70	.63	.
688-SSSS926400	SSSS926400	T	2.0	2	2	0.1A @ 12VDC	PCB	Horizontal	Non-shorting	----	2	High operability	1.13	.80	.72	.
688-SSSS925800	SSSS925800	T	2.0	2	2	0.1A @ 12VDC	PCB	Horizontal	Non-shorting	----	4	High operability	1.13	.80	.72	.
688-SSSU011700	SSSU011700	U	3.0	1	2	0.1A @ 30VDC	Snap-inPCB	Vertical	Non-shorting	----	6	Large size, general purpose	1.06	.75	.67	.
688-SSSU012200	SSSU012200	U	3.0	1	2	0.1A @ 30VDC	Snap-inPCB	Vertical	Non-shorting	----	9	Large size, general purpose	1.06	.75	.67	.
688-SSSU014800	SSSU014800	V	3.0	1	3	0.1A @ 30VDC	Snap-inPCB	Vertical	Non-shorting	----	6	Large size, general purpose	1.20	.85	.76	.
688-SSSU022800	SSSU022800	U	3.0	2	2	0.1A @ 30VDC	Snap-inPCB	Vertical	Non-shorting	----	9	Large size, general purpose	1.41	1.00	.90	.
688-SSSU042100	SSSU042100	W	3.0	4	2	0.1A @ 30VDC	Snap-inPCB	Vertical	Non-shorting	----	9	Large size, general purpose	2.19	1.55	1.39	1.
688-SSSU121700	SSSU121700	X	3.0	2	2	0.1A @ 30VDC	Snap-inPCB	Horizontal	Non-shorting	----	6	Large size, general purpose	1.41	1.00	.90	.
688-SSSU122200	SSSU122200	X	3.0	2	2	0.1A @ 30VDC	Snap-inPCB	Horizontal	Non-shorting	----	9	Large size, general purpose	1.41	1.00	.90	.
688-SSSB021500	SSSB021500	Y	4.0	2	2	0.3A @ 30VDC	PCB	Vertical	Non-shorting	----	6	Reliable operational feel	3.53	2.49	2.24	1.
688-SSSB022200	SSSB022200	Y	4.0	2	2	0.3A @ 30VDC	PCB	Vertical	Non-shorting	----	9	Reliable operational feel	3.53	2.49	2.24	1.
688-SSSB042000	SSSB042000	Z	4.0	4	2	0.3A @ 30VDC	PCB	Vertical	Non-shorting	----	6	Reliable operational feel	4.24	2.99	2.69	1.
688-SSST011000	SSST011000	AA	4.0	1	2	0.1A @ 12VDC	SMD	Vertical	Non-shorting	Yes	2	Self-return type	1.91	1.35	1.21	.
688-SSST010600	SSST010600	BB	4.0	1	2	0.1A @ 12VDC	Snap-in PCB	Vertical	Non-shorting	----	2	Self-return type	1.91	1.35	1.21	.
688-SSST010500	SSST010500	BB	4.0	1	2	0.1A @ 12VDC	Snap-in PCB	Vertical	Non-shorting	----	3	Self-return type	1.91	1.35	1.21	.

ALPS POWER SLIDE SWITCH

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Alps Part No.	Fig.	Travel (mm)	Contact Form	Contact Rating	Mounting Style	Actuation Direction	Operating Force	Features	Price Each 1	50	100	5
688-SDKTA20100	SDKTA20100	CC	2.2	SPDT	6A @ 125 VAC	PCB	Vertical	0.98+/-3.92N	Smooth sliding operation	2.59	1.83	1.65	1.

C&K Slide Switches

&K ES SERIES SEALED TINY SLIDE SWITCHES

ecifications:
ctuator Height: .121"
ontact Rating: 0.4 VA max. @ 20 VAC or DC max.
ead free
lechanical and Electrical Life:
0,000 make-and-break cycles at full load
ielectric Strength: 500 Vrms min.

LEAD-FREE

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit	Price Each 1	25	50	100
C Thru-Hole								
1-ES02MCBE	ES02MCBE	A	SPST	Off-None-On	4.50	4.11	3.60	3.08
1-ES21MCBE	ES21MCBE	A	DPDT	On-None-On	5.06	4.62	4.05	3.66
ght-Angle PC Thru-Hole								
1-ES22MABE	ES22MABE	B	DPST	Off-None-On	5.90	5.39	4.72	4.32
1-ES01MAVBE	ES01MAVBE	C	SPDT	On-None-On	4.57	4.18	3.65	3.24
ght-Angle Surface Mount								
1-ES03MSABE	ES03MSABE	D	SPDT	On-Off-On	5.04	4.61	4.03	2.93

&K GS SERIES SEALED ULTRAMINIATURE SLIDE SWITCHES

ecifications:
ctuator Height: .05"
ontact Rating: 0.4 VA @ 20 VAC or DC max.
C thru-hole termination
lechanical and Electrical Life: 40,000 cycles at full load
ielectric Strength: 500 Vrms min. @ sea level

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit	Price Each 1	25	50	100
1-GS01MCKE	GS01MCKE	E	SPDT	On-On	4.66	4.26	3.72	2.88
1-GS02MCKE	GS02MCKE	E	SPST	Off-On	5.11	4.67	4.09	3.15

&K OS SERIES MINIATURE SLIDE SWITCHES

ecifications:
ielectric Strength: 500 VAC for 1 minute
ontact Rating: 0.2 A @ 30 VDC
C and panel mounting
lechanical and Electrical Life: 10,000 cycles
horting or Non-shorting contacts
ariety of actuators and terminations

* Non-Shorting ** Shorting

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit	Price Each 1	25	50	100
Vertical Termination								
* 611-OS102011MS2QN1	OS102011MS2QN1	F	SPDT	On-On	.28	.27	.25	.24
* 611-OS102011MS2QS1	OS102011MS2QS1	F	SPDT	On-On	.28	.27	.25	.24
611-OS103011MS8QP1	OS103011MS8QP1	G	SP3T	On-On-On	.34	.32	.30	.28
611-OS103012MU1QP1	OS103012MU1QP1	H	SP3T	On-On-On	.60	.57	.53	.50
611-OS103012MU2QP1	OS103012MU2QP1	I	SP3T	On-On-On	.60	.57	.53	.50
* 611-OS202011MS2QN1	OS202011MS2QN1	J	DPDT	On-On	.46	.43	.40	.38
* 611-OS202011MS2QS1	OS202011MS2QS1	J	DPDT	On-On	.50	.47	.44	.41
* 611-OS202011MV4QN1	OS202011MV4QN1	K	DPDT	On-On	.56	.53	.49	.46
* 611-OS202011MV4QS1	OS202011MV4QS1	K	DPDT	On-On	.56	.53	.49	.46
* 611-OS202013MT5QN1	OS202013MT5QN1	L	DPDT	On-On	.45	.43	.40	.38
* 611-OS202013MT8QN1	OS202013MT8QN1	M	DPDT	On-On	.60	.57	.53	.50
611-OS203011MS1QP1	OS203011MS1QP1	N	DP3T	On-On-On	.62	.59	.55	.52
* 611-OS203011MV9QN1	OS203011MV9QN1	O	DP3T	On-On-On	.56	.53	.49	.46
* 611-OS203011MV9QS1	OS203011MV9QS1	O	DP3T	On-On-On	.56	.53	.49	.46
611-OS203012MU5QP1	OS203012MU5QP1	P	DP3T	On-On-On	.62	.59	.55	.52
* 611-OS203013MT6QN1	OS203013MT6QN1	Q	DP3T	On-On-On	.49	.46	.43	.41
* 611-OS203013MT7QN1	OS203013MT7QN1	R	DP3T	On-Off-On	.60	.57	.53	.50
* 611-OS203013MT8QN1	OS203013MT8QN1	S	DP3T	On-On-On	.47	.45	.42	.39
Right-Angle Termination								
611-OS102011MA1QN1	OS102011MA1QN1	T	SPDT	On-On	.25	.24	.22	.21
* 611-OS102011MA1QS1	OS102011MA1QS1	T	SPDT	On-On	.25	.24	.22	.21
611-OS103011MA7QP1	OS103011MA7QP1	U	SP3T	On-On-On	.34	.32	.31	.29
* 611-OS202011MA0QN1	OS202011MA0QN1	V	DPDT	On-On	.36	.34	.32	.30
* 611-OS202011MA0QS1	OS202011MA0QS1	V	DPDT	On-On	.33	.31	.29	.27
611-OS203011MA2QP1	OS203011MA2QP1	W	DP3T	On-On-On	.49	.46	.43	.41

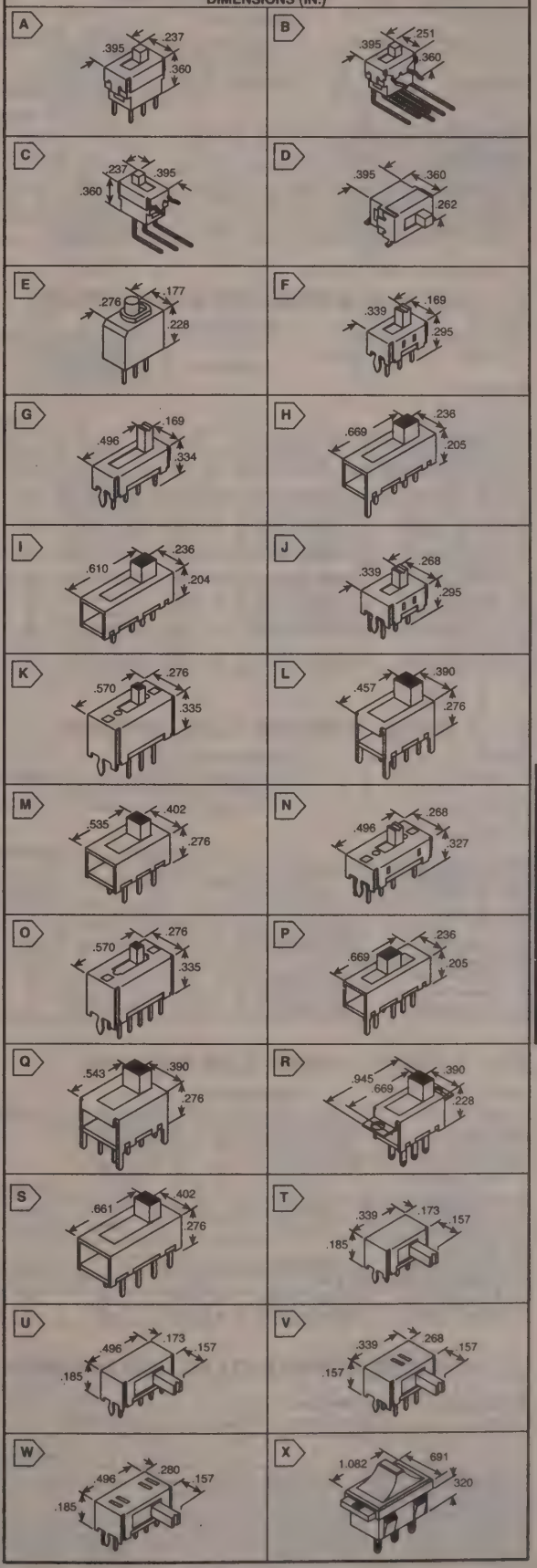
&K LP SERIES: MINIATURE SNAP-IN SLIDE SWITCHES

ecifications:
electric Strength: 1000 Vrms min. @ sea level
ontact Rating: 6A @ 125 VAC
sy Assembly - Snap-In Mounting
ontamination resistant - extended actuator

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit	Price Each 1	25	50	100
-LP02C21T203DQ	LP02C21T203DQ	X	SPDT	On-Off	3.24	2.59	2.31	2.05
-LP02C31T203DQ	LP02C31T203DQ	X	SPDT	On-Off	3.42	2.73	2.50	2.16
-LP22C31T203DQ	LP22C31T203DQ	X	DPDT	On-Off	4.41	3.52	3.30	2.79

DIMENSIONS (IN.)



C&K Slide Switches

TS SERIES: TINY SLIDE SWITCHES

Features:
- Epoxy terminal seal makes these compatible with bottom-wash cleaning

Applications:
- Instrumentation
- Computer peripherals

Specifications:
- Contact Material: B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
- Contact Rating: B- 0.4VA @ 20VAC or DC max.
- Dielectric Strength: 1000 Vrms min. @ sea level
- Electrical Life: TS01 models - 60,000 cycles @ full load
  TS03 models - 30,000 cycles @ full load

DIMENSIONS (IN)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit	Contact Material	Price Each 1	25	100	250
PC Thru-Hole									
611-TS01CBE	TS01CBE	A	SPDT	On-None-On	B	3.52	3.22	2.81	2.24
Right-Angle PC Thru-Hole									
611-TS01ABE	TS01ABE	B	SPDT	On-None-On	B	3.75	3.42	3.00	2.43

1000 SERIES: MINIATURE SLIDE SWITCHES

Features:
- Epoxy terminal seal makes these compatible with bottom-wash cleaning

Applications:
- Instrumentation
- Computer peripherals

Specifications:
- Contact Material: B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  Q- Cu alloy, w/Ag plate, Ag plate terminal
- Contact Rating: B- 0.4VA @ 20VAC or DC max.
  Q- 6A @ 120VAC or 28VDC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit	Contact Material	Price Each 1	25	100	250
PC Thru-Hole									
611-1101M2S3CBE2	1101M2S3CBE2	C	SPDT	On-None-On	B	3.13	2.86	2.51	1.98
611-1101M2S3CQE2	1101M2S3CQE2	C	SPDT	On-None-On	Q	3.13	2.86	2.51	1.98
611-1201M2S3CBE2	1201M2S3CBE2	D	DPDT	On-None-On	B	5.92	5.41	4.73	3.86
611-1201M2S3CQE2	1201M2S3CQE2	D	DPDT	On-None-On	Q	5.92	5.41	4.73	3.86
Right-Angle PC Thru-Hole									
611-1101M2S3ABE2	1101M2S3ABE2	E	SPDT	On-None-On	B	3.47	3.17	2.77	2.27
611-1101M2S3AQE2	1101M2S3AQE2	E	SPDT	On-None-On	Q	3.47	3.17	2.77	2.27
611-1101M2S3AV2BE2	1101M2S3AV2BE2	F	SPDT	On-None-On	B	3.47	3.17	2.77	2.27
611-1101M2S3AV2QE2	1101M2S3AV2QE2	F	SPDT	On-None-On	Q	3.47	3.17	2.77	2.27
Solder Lug									
611-1101M1S3ZQE2	1101M1S3ZQE2	G	SPDT	On-None-On	Q	3.06	2.80	2.45	1.92

L SERIES: MINIATURE SLIDE SWITCHES

Features:
- Positive detent

Applications:
- Communications equipment
- Lighting devices

Specifications:
- Contact Material: Q- Cu alloy, w/ Ag plate, Ag plate terminal
- Contact Rating: Q- 4A @ 120VAC or 28VDC
- Actuator Height: PC thru-hole models - 200"; Right-angle PC thru-hole models - .335"

() = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Circuit	Contact Material	Price Each 1	25	100	250
PC Thru-Hole									
611-L202011MS02Q	L202011MS02Q	I	DPDT	On-Off	Q	2.35	2.14	1.88	1.47
611-L203011MS02Q	L203011MS02Q	K	DP3T	On-On-On	Q	2.49	2.27	1.99	1.56
Right-Angle PC Thru-Hole									
611-L102021ML04Q	L102021ML04Q	H	SPDT	On-None-On	Q	1.45	1.33	1.16	.92
611-L202021MA04Q	L202021MA04Q	J	DPDT	On-None-On	Q	2.77	2.53	2.21	1.83
611-L212132MV02Q	L212132MV02Q	L	DPDT	(On)-None-On	Q	3.66	3.34	2.93	2.49

S SERIES: POWER SLIDE SWITCHES

Features:
- Enclosed housing

Applications:
- Portable tools and small appliances

Specifications:
- Contact Material: Q- Cu alloy, w/ Ag plate, Ag plate terminal
- Dielectric Strength: 1000 Vrms min. @ sea level
- Electrical Life: 10,000 cycles @ full load

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	AMP Rating	Contact Material	Price Each 1	25	100	250
PC Thru-Hole									
611-S202031MS02Q	S202031MS02Q	M	DPDT	6	Q	2.31	2.11	1.85	1.45
Panel Mount with Mounting Ears									
611-S101031SS03Q	S101031SS03Q	N	SPST	6	Q	1.63	1.49	1.30	1.02
611-S602031SS03Q	S602031SS03Q	N	DPDT	12	Q	2.38	2.18	1.90	1.49

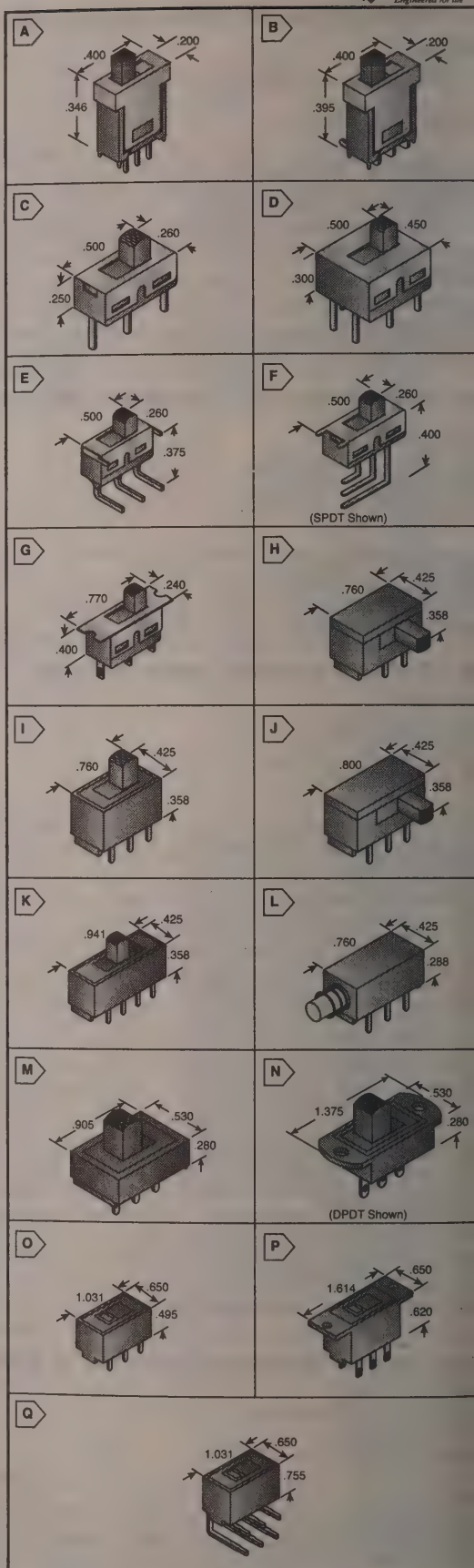
V SERIES: POWER AND LINE VOLTAGE SELECT

Applications:
- Appliances

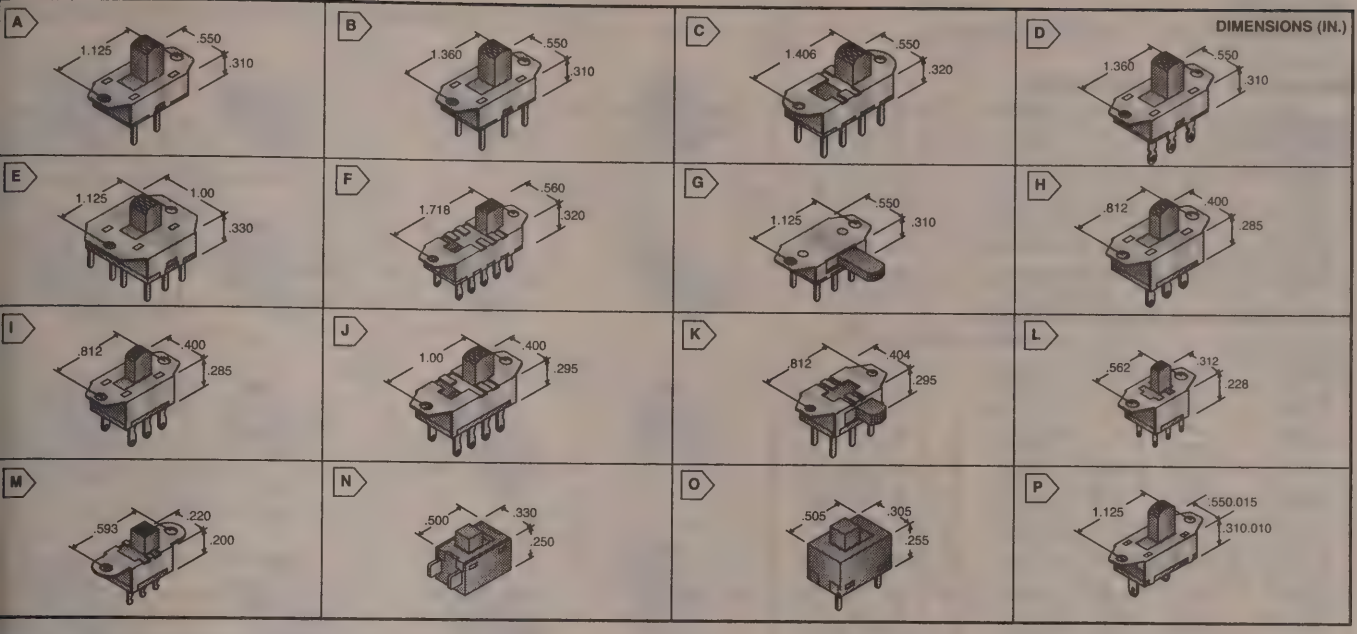
Specifications:
- Contact Material: Q- Cu alloy, w/ Ag plate, Ag plate terminal
- Contact Form: DPDT On-On

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Contact Form	Mounting Style	Price Each 1	25	100	250
611-V80212MS02Q	V80212MS02Q	O	DPDT	PC thru-hole	3.54	3.23	2.83	2.27
611-V80212SS05Q	V80212SS05Q	P	DPDT	Mounting ears, QC	3.54	3.23	2.83	2.27
611-V80212MA08Q	V80212MA08Q	Q	DPDT	R/A PC thru-hole	4.13	3.78	3.30	2.78



Slide Switches



SLIDE SWITCHES

Materials:
- Buttons: black type 6/6 nylon
- Housings: cold rolled steel
- Housing Plating: zinc followed by clear chromate
- Terminals: copper
- Terminal Plating: silver is standard.
- Terminal Board: N.E.M.A. grade XP Phenolic Laminate

Specifications:
- Contact Resistance: >0.01 ohm at 20 milliamperes dc
- Operating Temperature: 104°C MAX to -10°C MIN

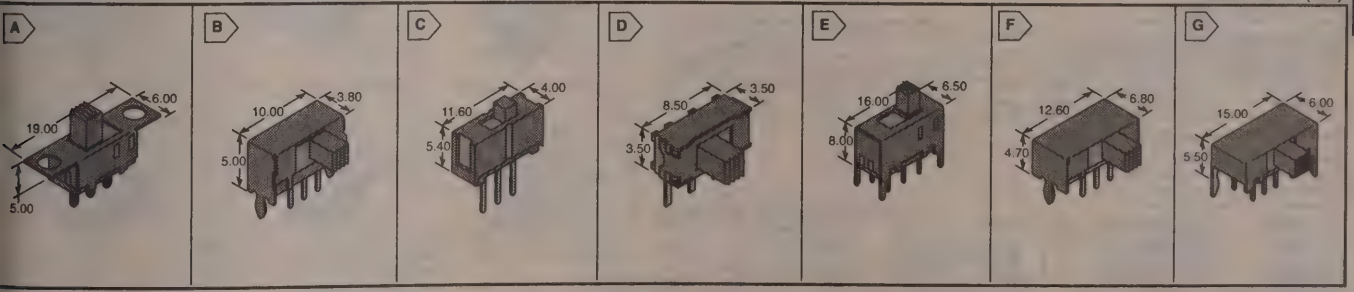
Life cycling (no load): Switch will be operative after 10,000 (minimum) cycles at the rate of 10 cycles per minute.

Life cycling (load): Switches will be operative after 6,000 (minimum) cycles at the rate of 10 cycles per minute at rated load.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CW Industries Part Number	Fig.	Circuit	Rating	Price Each 1	10	100	500
Standard								
629-GF11231110	GF-1123-1110	A	SPST	11A125VAC	.93	.85	.72	.66
629-GF11261110	GF-1126-1110	B	DPDT	11A125VAC	1.08	.98	.83	.77
629-G1128S1110	G-1128S-1110	C	DP3T	11A125VAC	1.23	1.11	.94	.87
629-GF6246014	GF-624-6014	D	SPDT	6A125VAC	.50	.45	.38	.35
629-GF6426010	GF-642-6010	E	4PDT	6A125VAC	1.02	.93	.79	.73
629-G1138S1110	G-1138S-1110	F	DP4T	11A125VAC	1.24	.13	.96	.89
629-GG3503010	GG-350-3010	G	DPDT	.5A125VDC	.57	.52	.44	.41
629-GF16230001	GF1623-0001	P	SPST	16A125VDC	.68	.60	.45	.31
Miniature								
629-GF1233011	GF-123-3011	H	SPST	3A125VDC	.51	.45	.38	.35
629-GF1263011	GF-126-3011	I	DPDT	3A125VDC	.74	.68	.57	.53
629-G128S3011	G-128S-3011	J	DP3T	3A125VDC	.85	.78	.66	.61
629-GI1523011	GI-152-3010	K	DPDT	3A125VDC	1.00	.91	.77	.71
Micro-Miniature								
629-GS1130512	GS-113-0512	L	DPDT	.5A125VAC/VDC	1.11	1.01	.85	.79
629-GS1150511	GS-115-0511	M	SPDT	.5A125VAC/VDC	.84	.85	.72	.67
629-G1050513	G-105-0513	N	SPST	.5A125VAC/VDC	.76	.69	.59	.54
629-G1070513	G-107-0513	O	SPDT	.5A125VAC/VDC	1.23	1.12	.95	.88

DIMENSIONS (mm)



E-SWITCH® EG SERIES SLIDE SWITCHES

Specifications:
Contact rating: 30VDC, 0.2A (except EG2308: 12VDC, 0.1A)
Contact resistance: less than 20m Ω minimum initially
Insulation resistance: 500VDC-100m Ω minimum
Dielectric strength: 500VAC for one minute between any terminal and frame.
Operating temperature: -20°C to +70°C (-4°F to +158°F)
Life: 10,000 cycles minimum
Soldering: Auto 270±5°C/ 3 seconds; Manual 350±10°C/ 3 seconds

Materials:
Contact: Silver plated copper alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Act. Length (mm)	Price Each 1	10	50	100
612-EG1201	EG1201	A	SPDT	On-On	4	.62	.57	.47	.37
612-EG1201A	EG1201A	A	SPDT	On-On	5.5	.62	.57	.47	.37
612-EG1213	EG1213	B	SPDT	On-On	5.1	.62	.57	.47	.37
612-EG1218	EG1218	C	SPDT	On-On	2	.62	.57	.47	.37
612-EG1270	EG1270	D	SPDT	On-On	2	.78	.72	.59	.47
612-EG2201A	EG2201A	E	DPDT	On-On	6	.86	.79	.64	.52
612-EG2215	EG2215	F	DPDT	On-On	3.5	.78	.72	.59	.47
612-EG2301	EG2301	E	DP3T	On-On-On	3	.78	.72	.59	.47
612-EG2308	EG2308	G	DP3T	On-On-On	4	.82	.75	.61	.49
612-EG4208	EG4208	G	4P2T	On-On	4	1.40	1.29	1.05	.84

MOUNTAIN SWITCH Slide Switches

Specifications:
- Contact resistance: 10mΩ max.
- Electrical life: 30,000 cycles
- Insulation resistance: 1000MΩ min.
- Operating temperature: -30°C to +85°C

✻ Nickel plated

MINIATURE SLIDE SWITCHES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating	Knob Ht. (in.)	Price Each 1	10	100
PC Terminals								
10SP001	A	SPDT	On-On	.5A/50VDC	.15	.34	.29	.26
✻10SP003	B	SPDT	On-On	.5A/50VDC	.15	.36	.31	.27
10SP013	C	SPDT	On-On	.5A/50VDC	.14	.42	.34	.28
102-1401	D	DPDT	On-On	.3A/30VDC	.16	.64	.49	.45
Solder Terminals								
10SM007	E	SPDT	On-On	.3A/125VDC	.16	.45	.34	.31

SUB-MINIATURE SLIDE SWITCHES

For quantities of 500 and up, call for quote.

PC Terminals								
10SP012	F	DPDT	On-On	.5A/50VDC	.28	.34	.31	.27
10SP002	G	DPDT	On-On	.3A/125VDC	.24	.42	.34	.31
10SP004	G	DPDT	On-On	.3A/125VDC	.47	.42	.34	.31
10SL005	H	DPDT	On-On	.5A/50VDC	.51	.45	.39	.36
10SP018	I	SPDT	On-On	.5A/50VDC	.15	.43	.36	.33
✻10SP019	I	SPDT	On-On	.5A/50VDC	.15	.43	.36	.33
10SP020	V	DPDT	On-On	.3A/50VDC	.20	.21	.17	.15
10SL009	J	DPDT	On-On	.5A/50VDC	.59	.50	.40	.36
102-1221	K	SPDT	On-On	5A/120VAC	.20	2.58	2.23	1.88
102-1261	L	SPDT	On-On	5A/120VAC	.186	2.92	2.52	2.13
102-1271	M	SPDT	On-On	5A/120VAC	.186	2.92	2.52	2.13
Solder Terminals								
10SM002	N	DPDT	On-On	.5A/50VDC	.35	.34	.26	.21
10SL001	O	DPDT	On-On	.5A/50VDC	.47	.53	.45	.41
102-1211	P	SPDT	On-On	5A/120VAC	.20	2.49	2.17	1.82
102-2211	Q	DPDT	On-On	5A/120VAC	.20	3.55	2.99	2.53
10SM003	N	DPDT	On-On	.5A/50VDC	.23	.34	.26	.21

SLIDE SWITCHES

For quantities of 500 and up, call for quote.

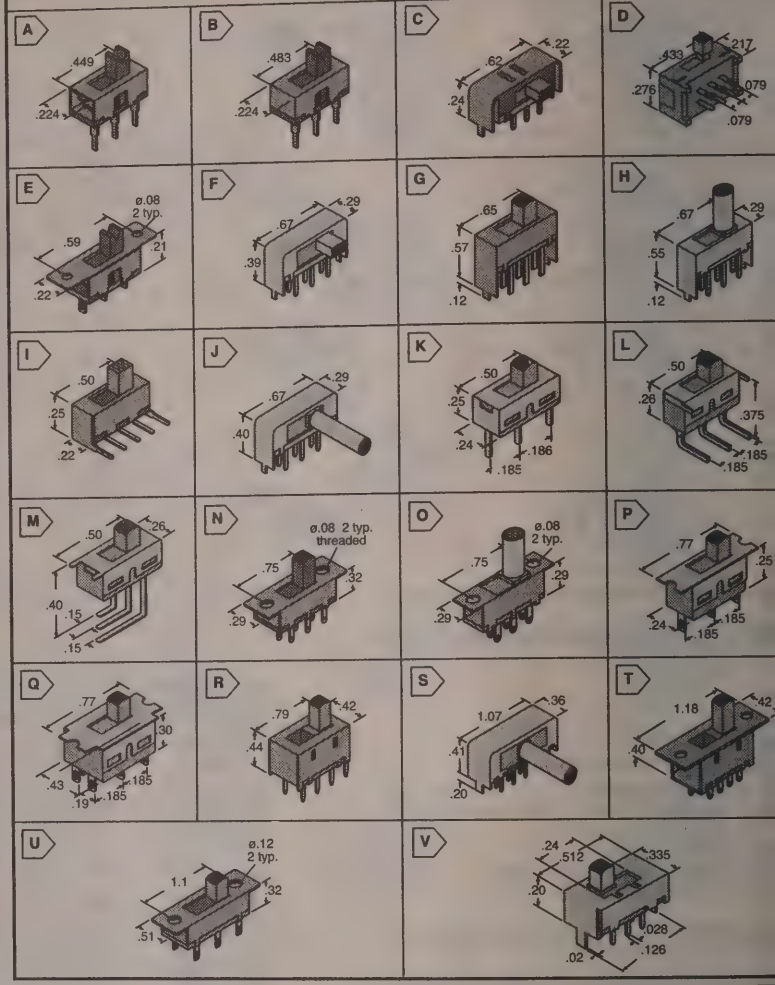
MOUSER STOCK NO.	Fig.	Type	Circuit	Rating	Knob Ht. (in.)	Price Each 1	10	100
PC Terminals								
10SP015	R	DP3T	On-On-On	.5A/50VDC	.36	.69	.59	.54
10SL008	S	DP3T	On-On-On	.5A/50VDC	.59	.88	.70	.64
Solder Terminals								
10SP016	T	DP3T	On-On-On	.5A/50VDC	.36	.69	.59	.54
10SS002	U	DPDT	On-On	.5A/125VDC	.35	1.08	.89	.82

SCREWS FOR 10SM002

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Thread Size (mm)	Length (mm)	Price Each 1	100	1000	10,000
✻48SM004	M2 x 0.4	4	- - -	.012	.011	.01
48SM006	M2 x 0.4	6	- - -	.012	.011	.01

DIMENSIONS (IN.)



SLIDE SWITCHES

Sub-Miniature Slide Switches

Specifications:
- Rating: 1A/250VAC,3A/120VAC or 28VDC
- Contact resistance: 20mΩ max.,
- Insulation resistance: 1000MΩ min.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500
103-5000	82541SPDT00	A	SPDT	On-On	3.38	3.19	2.40	1.79
103-5001	82541SPDT01	B	SPDT	On-On	3.38	3.19	2.40	1.79

Miniature Slide Switches

Specifications:
- Rating: 1A/250VAC,3A/120VAC or 28VDC
- Contact resistance: 50mΩ max.
- Insulation resistance: 1000MΩ min.

For quantities of 1000 and up, call for quote.

103-5005	82541DPDT05	C	DPDT	On-On	3.25	3.02	2.64	2.49
103-5002	82541SPDT02	C	SPDT	On-On	2.97	2.76	2.41	2.28
103-5004	82541SPDT04	C	SPDT	On-Off-On	3.55	3.30	2.88	2.72
103-5003	82541SPDT03	D	SPDT	On-On	2.97	2.76	2.41	2.28

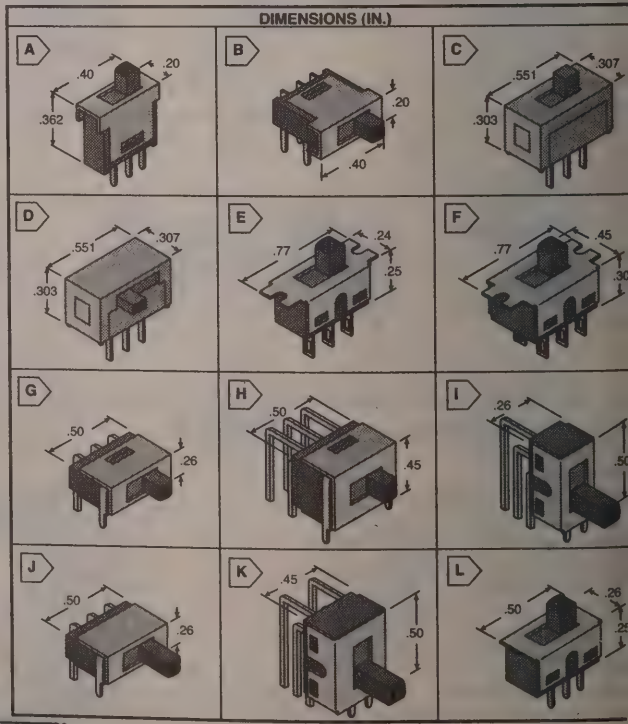
Slide Switches

Specifications:
- Rating: 2A/250VAC,5A/120VAC or 28VDC
- Contact resistance: 10mΩ max.
- Insulation resistance: 1000MΩ min.

For quantities of 1000 and up, call for quote.

103-5006	82541SPDT06	E	SPDT	On-On	3.29	2.94	2.49	2.27
103-5008	82541SPDT08	E	SPDT	On-(On)	3.29	2.94	2.49	2.27
103-5012	82541DPDT12	F	DPDT	On-On	2.98	2.77	2.40	2.20
103-5007	82541SPDT07	G	SPDT	On-On	3.52	3.14	2.66	2.43
103-5014	82541DPDT14	H	DPDT	On-Off-On	4.61	4.29	3.33	3.10
103-5009	82541SPDT09	I	SPDT	On-(On)	2.98	2.77	2.42	2.29
103-5010	82541SPDT10	E	SPDT	On-Off-On	2.98	2.77	2.42	2.29
103-5011	82541SPDT11	J	SPDT	On-Off-On	3.04	2.89	2.53	2.37
103-5013	82541DPDT13	K	DPDT	On-On	4.00	3.72	2.89	2.69
103-5015	82541SPDT15	E	SPDT	On-On	3.29	2.94	2.49	2.27
103-5016	82541SPDT16	L	SPDT	On-On	3.29	2.94	2.49	2.27

DIMENSIONS (IN.)



MOUSER ELECTRONICS a ttl company

(800) 346-6873

NKK® SWITCHES

SS SERIES: ULTRAMINIATURE PCB SLIDE SWITCHES

Power rating: 0.1A @ 30VDC
Polyamide housing
Top or Side Actuation
Compact and low profile design

- Crisp Actuation
- .100" x .100" terminal spacing (metric spacing also available, call for quote)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Actuation	Price Each 1	25	50
3-SS12SDP2	SS12SDP2	A	SPDT On-None-On	Top	1.35	1.16	1.00
3-SS12SDH2	SS12SDH2	B	SPDT On-None-On	Side	1.35	1.16	1.00
3-SS14MDP2	SS14MDP2	C	SP3T On-On-On	Top	1.70	1.46	1.26
3-SS14MDH2	SS14MDH2	D	SP3T On-On-On	Side	1.70	1.46	1.26
3-SS22SDP2	SS22SDP2	E	DPDT On-None-On	Top	1.60	1.38	1.18
3-SS22SDH2	SS22SDH2	F	DPDT On-None-On	Side	1.60	1.38	1.18

MS SERIES: MINIATURE SLIDE SWITCHES

Power rating: Silver 6A @ 125V AC & 3A @ 250V AC
Gold 0.4VA max. @ 28V AC/DC max.
Solder lug or straight PC terminals

- UL94V-0 case

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Mounting	Contact Material	Price Each 1	25	50
ight Angle PC								
3-MS12ASG30	MS12ASG30	G	SPDT On-None-On	Support Bracket	Gold	4.60	4.26	4.03
3-MS12ASW30	MS12ASW30	G	SPDT On-None-On	Support Bracket	Silver	4.46	4.13	3.90
3-MS13ASG30	MS13ASG30	G	SPDT On-Off-On	Support Bracket	Gold	5.06	4.68	4.43
3-MS13ASW30	MS13ASW30	G	SPDT On-Off-On	Support Bracket	Silver	4.72	4.37	4.13
3-MS22ASG30	MS22ASG30	H	DPDT On-None-On	Support Bracket	Gold	7.84	7.25	6.86
3-MS22ASW30	MS22ASW30	H	DPDT On-None-On	Support Bracket	Silver	6.76	6.25	5.92
3-MS23ASG30	MS23ASG30	H	DPDT On-Off-On	Support Bracket	Gold	8.34	7.71	7.30
older Lug								
3-MS12AFW01	MS12AFW01	I	SPDT On-None-On	Panel Mount	Silver	3.00	2.78	2.63
3-MS22AFW01	MS22AFW01	J	DPDT On-None-On	Panel Mount	Silver	4.50	4.16	3.94
raight PC								
3-MS12ANG03	MS12ANG03	K	SPDT On-None-On	Straight PC	Gold	3.46	3.20	3.03
3-MS12ANW03	MS12ANW03	K	SPDT On-None-On	Straight PC	Silver	3.12	2.89	2.73
3-MS13ANW03	MS13ANW03	K	SPDT On-Off-On	Straight PC	Silver	3.58	3.31	3.13
3-MS22ANG03	MS22ANG03	L	DPDT On-None-On	Straight PC	Gold	5.82	5.38	5.09
3-MS22ANW03	MS22ANW03	L	DPDT On-None-On	Straight PC	Silver	4.74	4.38	4.15
3-MS12ASG13	MS12ASG13	M	SPDT On-None-On	Support Bracket	Gold	3.98	3.68	3.48
3-MS12ASW13	MS12ASW13	M	SPDT On-None-On	Support Bracket	Silver	3.64	3.37	3.19
3-MS13ASW13	MS13ASW13	M	SPDT On-Off-On	Support Bracket	Silver	4.10	3.79	3.59
rtical PC								
3-MS12ASG40	MS12ASG40	N	SPDT On-None-On	Support Bracket	Gold	5.00	4.63	4.38
3-MS12ASW40	MS12ASW40	N	SPDT On-None-On	Support Bracket	Silver	4.66	4.31	4.08
3-MS13ASG40	MS13ASG40	N	SPDT On-Off-On	Support Bracket	Gold	5.46	5.05	4.78
3-MS22ASG40	MS22ASG40	O	DPDT On-None-On	Support Bracket	Gold	8.64	7.99	7.56
3-MS22ASW40	MS22ASW40	O	DPDT On-None-On	Support Bracket	Silver	7.56	6.99	6.62
3-MS23ASG40	MS23ASG40	O	DPDT On-Off-On	Support Bracket	Gold	9.14	8.45	8.00

S SERIES: ILLUMINATED ULTRAMINIATURE SLIDE SWITCHES

ower rating: 0.1A @ 30VDC
olyamide housing
op or Side Actuation
ompact and low profile design

- Crisp Actuation
- .100" x .100" terminal spacing (metric spacing also available, call for quote)
- Bright LED illumination

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each 1	25	50	100
p Actuation								
3-SS12SDP2LC	SS12SDP2LC	P	SPDT On-None-On	Red	6.75	6.08	5.40	4.73
3-SS12SDP2LE	SS12SDP2LE	P	SPDT On-None-On	Yellow	6.75	6.08	5.40	4.73
3-SS12SDP2LF	SS12SDP2LF	P	SPDT On-None-On	Green	6.75	6.08	5.40	4.73
3-SS22SDP2LC	SS22SDP2LC	P	DPDT On-None-On	Red	7.00	6.30	5.60	4.90
3-SS22SDP2LE	SS22SDP2LE	P	DPDT On-None-On	Yellow	7.00	6.30	5.60	4.90
3-SS22SDP2LF	SS22SDP2LF	P	DPDT On-None-On	Green	7.00	6.30	5.60	4.90
de Actuation								
3-SS12SDH2LC	SS12SDH2LC	Q	SPDT On-None-On	Red	6.75	6.08	5.40	4.73
3-SS12SDH2LE	SS12SDH2LE	Q	SPDT On-None-On	Yellow	6.75	6.08	5.40	4.73
3-SS12SDH2LF	SS12SDH2LF	Q	SPDT On-None-On	Green	6.75	6.08	5.40	4.73
3-SS22SDH2LC	SS22SDH2LC	Q	DPDT On-None-On	Red	7.00	6.30	5.60	4.90
3-SS22SDH2LE	SS22SDH2LE	Q	DPDT On-None-On	Yellow	7.00	6.30	5.60	4.90
3-SS22SDH2LF	SS22SDH2LF	Q	DPDT On-None-On	Green	7.00	6.30	5.60	4.90

S SERIES: ILLUMINATED MINIATURE SLIDE SWITCHES

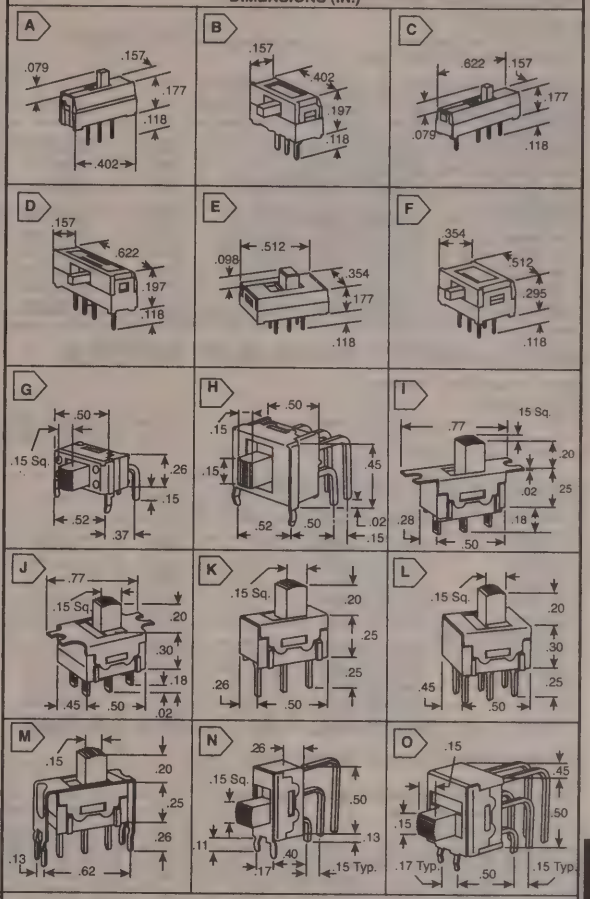
ower rating: 6A @ 125V AC or 3A @ 250V AC
older Lug or Straight PC Terminals

- Bright LED illumination
- UL94V-0 case

For quantities of 500 and up, call for quote.

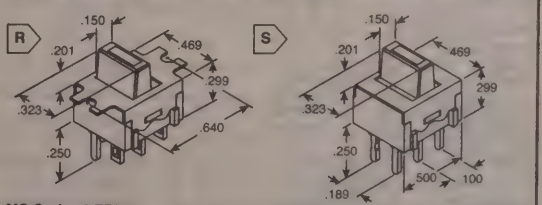
MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each 1	25	50	100
older Lug								
3-MS12LFW01C	MS12LFW01C	R	SPDT On-None-On	Red	7.00	6.72	6.30	5.88
3-MS12LFW01E	MS12LFW01E	R	SPDT On-None-On	Yellow	7.00	6.72	6.30	5.88
3-MS12LFW01F	MS12LFW01F	R	SPDT On-None-On	Green	7.00	6.72	6.30	5.88
3-MS13LFW01C	MS13LFW01C	R	SPDT On-Off-On	Red	7.45	7.15	6.71	6.26
3-MS13LFW01E	MS13LFW01E	R	SPDT On-Off-On	Yellow	7.45	7.15	6.71	6.26
3-MS13LFW01F	MS13LFW01F	R	SPDT On-Off-On	Green	7.45	7.15	6.71	6.26
raight PC								
3-MS12LNW03C	MS12LNW03C	S	SPDT On-None-On	Red	7.12	6.84	6.41	5.98
3-MS12LNW03E	MS12LNW03E	S	SPDT On-None-On	Yellow	7.12	6.84	6.41	5.98
3-MS12LNW03F	MS12LNW03F	S	SPDT On-None-On	Green	7.12	6.84	6.41	5.98
3-MS13LNW03C	MS13LNW03C	S	SPDT On-Off-On	Red	7.57	7.27	6.81	6.36
3-MS13LNW03E	MS13LNW03E	S	SPDT On-Off-On	Yellow	7.57	7.27	6.81	6.36
3-MS13LNW03F	MS13LNW03F	S	SPDT On-Off-On	Green	7.57	7.27	6.81	6.36

DIMENSIONS (IN.)



SS Series LED's

Isolated, LED Specifications	Color Red	Yellow	Green	Units
Forward Peak Current	20	20	20	mA
Cont. Forward Current	16	16	16	mA
Forward Voltage	2.07	2.15	2.16	V
Reverse Peak Voltage	3	4	4	V
Crnt. Reduction Rate Above 25°C	0.27	0.27	0.27	mA/°C
Ambient Temp. Range	-15°C ~ +60°C			



MS Series LED's

LED Specifications	Color Red	Yellow	Green	Units
Forward Peak Current	20	20	20	mA
Cont. Forward Current	16	16	16	mA
Forward Voltage	2.07	2.15	2.15	V
Reverse Peak Voltage	3	4	4	V
Crnt. Reduction Rate Above 25°C	0.27	0.27	0.27	mA/°C
Ambient Temp. Range	-10°C ~ +55°C			

ALPHA SLIDE SWITCHES

Specifications:
- Contact resistance: 25mΩ max
- Insulation resistance: 500VDC-100MΩ min.
- Dielectric strength: 500VAC/1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Type	Rating	Price Each 1	10	100	500	1000
Non-Shorting									
105-SV71030-13NS	SV71030-0103-9T-NP	A	SP3T	.1A/30VDC	1.49	1.30	.91	.81	.74
105-SV62010-22NS	SV62010-0202-4K-NN	B	DPDT	.3A/30VDC	1.02	.95	.81	.75	.68
105-SS40010-12NS	SS40010-0102-2.5G-NN	C	SPDT	.3A/125VAC	1.02	.95	.81	.75	.68
Free Timing									
105-SS65010-22FT	SS65010-0202-4.5H-FN	D	DPDT	.5A/50VDC	1.49	1.30	.91	.81	.74
105-SS65010-23FT	SS65010-0203-4.5H-FN	D	DP3T	.5A/50VDC	1.49	1.30	.91	.81	.74
105-SS91030-23FT	SS91030-0203-12T-FN	E	DP3T	.3A/125VAC	1.71	1.53	1.14	1.05	.98
105-SV65010-12FT	SV65010-0102-6H-FN	F	SPDT	.3A/125VAC	1.62	1.43	1.04	.95	.88
105-SV65020-13FT	SV65020-0103-6H-01-FN	F	SP3T	.3A/125VAC	1.62	1.43	1.04	.95	.88
105-SV68010-23FT	SV68010-0203-6V-FS	G	DP3T	.3A/125VAC	1.02	.95	.81	.75	.68

MOUNTAIN SWITCH TRAVEL SLIDE SWITCHES

2mm Travel Slide Switch

Specifications:
- Rating: Non-Switching-100mA/50VDC Switching-25mA/24VDC
- Contact Resistance: 100mΩ max.
- Insulation resistance: 100MΩ min.
- Operating temperature: -20°C+70°C
- Dielectric strength: 500VAC/1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500	1000
Through Hole Type									
103-5026	831423HB06	H	SPDT	On-On	3.08	2.57	2.14	1.79	1.63
103-5027	831423HB07	H	SPDT	On-(On)	3.26	2.72	2.26	1.89	1.75
103-5028	831424HB08	I	SP3T	On-On-On	3.32	2.77	2.31	1.93	1.81
103-5029	831424HB09	I	SP3T	On-On-(On)	3.10	2.82	2.35	1.96	1.86
103-5030	831424HB10	I	SP3T	(On)-On-(On)	3.45	2.88	2.40	1.99	1.90
Surface Mount Type									
103-5031	831433CM11	J	SPDT	On-On	3.08	2.57	2.14	1.79	1.63
103-5032	831433CM12	J	SPDT	On-(On)	3.26	2.72	2.26	1.89	1.75
103-5033	831434CM13	K	SP3T	On-On-On	3.32	2.77	2.31	1.93	1.81
103-5034	831434CM14	K	SP3T	On-On-(On)	3.10	2.82	2.35	1.96	1.86
103-5035	831434CM15	K	SP3T	(On)-On-(On)	3.45	2.88	2.40	1.99	1.90

Miniature 1.5mm Travel Slide Switches

Specifications:
- Rating: Non-Switching-300mA/4VDC Switching-25mA/24VDC
- Contact resistance: 70mΩ max.
- Insulation resistance: 100MΩ min.
- Operating Temperature: -20°C+70°C
- Dielectric strength: 100VAC/1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Mountain Switch Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500	1000
Surface Mount Type									
103-5040	831453SS20	L	SPDT	On-On	3.08	2.57	2.14	1.89	1.75
103-5041	831454SS21	M	SP3T	On-On-On	3.26	2.72	2.26	1.93	1.81
103-5042	831456SS22	N	DPDT	On-On	3.10	2.82	2.35	1.96	1.86
103-5043	831451SS23	O	SP4T	On-On-On	3.45	2.88	2.40	1.99	1.90

SHIN CHIN SLIDE SWITCHES

Specifications:
- Rating: 6A/125VAC, 3A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500	1000
112-R13-602A	R13-602A-05	P	SPST	On-Off	.61	.44	.42	.40	.39
112-R13-602B	R13-602B-05	P	DPDT	On-On	.61	.44	.42	.40	.39

Specifications:
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500	1000
112-R13-603C	R13-603C-05	Q	SPDT	On-On	.72	.61	.54	.48	.42

Snap-In Mounting

Specifications:
- Rating: 16A/125VAC, 10A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500	1000
.187" Faston Terminals									
112-R13-608A1	R13-608A1-02	R	SPST	On-Off	4.40	4.00	3.64	3.31	3.04
112-R13-608C-2	R13-608C-02	R	SPDT	On-On	4.40	4.00	3.64	3.31	3.04
112-R13-608D	R13-608D-02	R	SPDT	On-Off-On	4.40	4.00	3.64	3.31	3.04
Solder Terminals									
112-R13-608C-5	R13-608C-05	R	SPDT	On-On	4.40	4.00	3.64	3.31	3.04

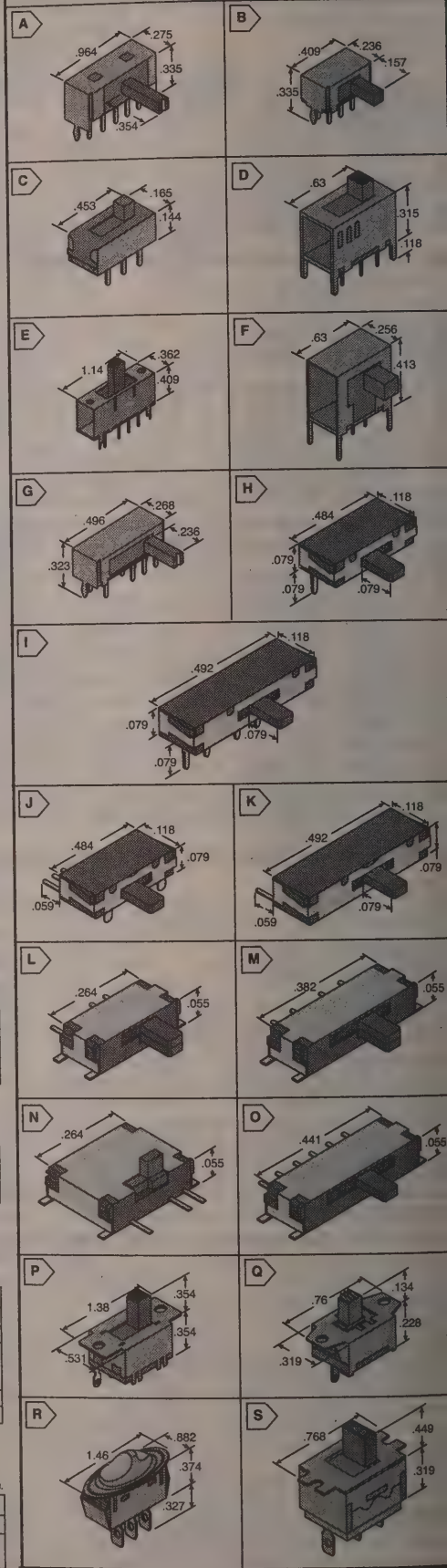
Illuminated (LED) Slide Switches

Specifications:
- Rating: 6A/125VAC, 3A/250VAC
- Contact resistance: 50mΩ max.

For quantities of 2000 and up, call for quote.

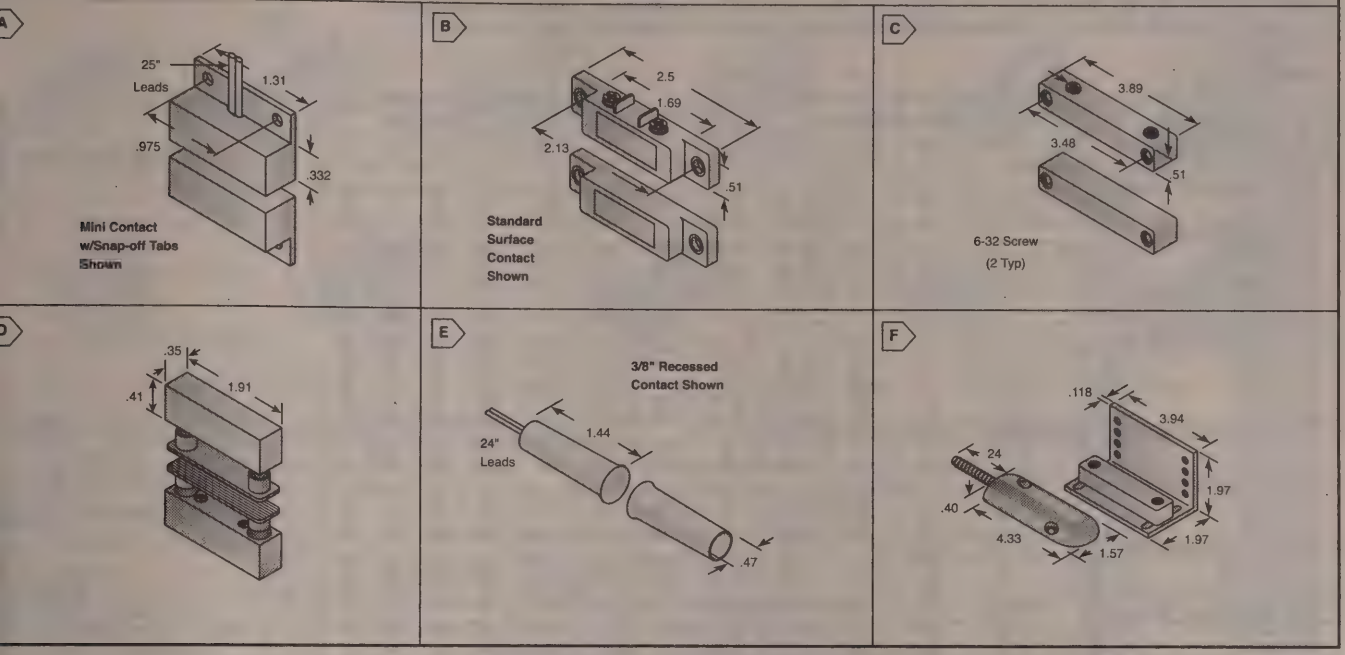
MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button	Type	Circuit	Price Each 1	10	100	500	1000
112-R13-604C-R	R13-604C-05-Red	S	Red	SPDT	On-On	4.40	4.00	3.64	3.31	3.04
112-R13-604C-G	R13-604C-05-Green	S	Green	SPDT	On-On	4.40	4.00	3.64	3.31	3.04

DIMENSIONS (IN)



AMSECO Magnetic Contacts

DIMENSIONS (IN.)



SURFACE MOUNT MAGNETIC CONTACTS

cro Mini Contact

2 inch leads AWG #22 (UL1061) • Self adhesive and nail mount
Operating gap: 1/2 inch • Magnet: Alnico 5

MOUSER STOCK NO.	Amseco Part No.	Fig.	Color	Price Each 1	10	50	100	200+
07-AMS-9B	505-90B	A	Brown	2.35	2.21	2.13	2.06	Call for Quote
07-AMS-9G	505-90G	A	Gray	2.35	2.21	2.13	2.06	
07-AMS-9I	505-90I	A	Ivory	2.35	2.21	2.13	2.06	

ni Contact with Snap-Off Tabs and Center Leads (N/C Loop)

4 inch leads AWG #22 (UL1061) • Self adhesive and screw mount
Operating gap: 3/4 inch • Magnet: Alnico 5

07-AMS-10B	505-101-BC	A	Brown	2.50	2.35	2.28	2.13	Call for Quote
07-AMS-10G	505-101-GC	A	Gray	2.50	2.35	2.28	2.13	
07-AMS-10I	505-101-IC	A	Ivory	2.50	2.35	2.28	2.13	
07-AMS-10W	505-101WC	A	White	2.50	2.35	2.28	2.13	

ni Contact with Snap-Off Tabs and Side Leads (N/C Loop)

07-AMS-10BS	505-101-BS	A	Brown	2.50	2.35	2.28	2.13	Call for Quote
07-AMS-10GS	505-101-GS	A	Gray	2.50	2.35	2.28	2.13	
07-AMS-10IS	505-101IS	A	Ivory	2.50	2.35	2.28	2.13	
07-AMS-10WS	505-101-WS	A	White	2.50	2.35	2.28	2.13	

ndard Surface Contact (N/C Loop)

Operating gap: 3/4 inch • Magnet: Ferrite

07-AMS-39B	505-391B	B	Brown	2.80	2.73	2.55	2.40	Call for Quote
07-AMS-39G	505-391G	B	Gray	2.80	2.73	2.55	2.40	
07-AMS-39	505-391I	B	Ivory	2.80	2.73	2.55	2.40	
07-AMS-39W	505-391W	B	White	2.80	2.73	2.55	2.40	
agnet Only								
07-AMS-505-392B	505-392B	-	Brown	1.23	1.15	1.12	1.08	Call for Quote
07-AMS-505-392G	505-392G	-	Gray	1.23	1.15	1.12	1.08	
07-AMS-505-392I	505-392I	-	Ivory	1.23	1.15	1.12	1.08	
07-AMS-505-392W	505-392W	-	White	1.23	1.15	1.12	1.08	

dustrial Magnetic Contact (N/C Loop)

Operating gap: 2 inches • Magnet: Alnico 5

07-AMS-37B	505-371B	C	Brown	5.63	5.49	5.28	4.93	Call
07-AMS-37	505-371G	C	Gray	5.63	5.49	5.28	4.93	

gnetic Contact with Cover (N/C Loop)

Operating gap: 3/4 inch • Magnet: Alnico 5
4 inch self-adhesive or screw mount • Patented design - no wire stripping required

07-AMS-51CVB	505-5114B	D	Brown	2.81	2.64	2.55	2.47	Call for Quote
07-AMS-51CVG	505-5114G	D	Gray	2.81	2.64	2.55	2.47	
07-AMS-51CVI	505-5114I	D	Ivory	2.81	2.64	2.55	2.47	
07-AMS-51CVW	505-5114W	D	White	2.81	2.64	2.55	2.47	
agnet Only								
07-AMS-505-5124B	505-5124B	-	Brown	1.75	1.71	1.59	1.49	Call for Quote
07-AMS-505-5124I	505-5124I	-	Ivory	1.75	1.71	1.59	1.49	
07-AMS-505-5124W	505-5124W	-	White	1.75	1.71	1.59	1.49	

SURFACE MOUNT MAGNETIC CONTACTS (cont.)

Mechanical Magnetic Contact (N/C, N/O Loop)

• SPDT (Form C) Switch • Gold plated silver point • Magnet: Alnico 5
• Operating gap: 3/4 inch • AC rating: 125V 3amps

MOUSER STOCK NO.	Amseco Part No.	Fig.	Color	Price Each 1	10	50	100	200+
507-AMS-507-381BB	507-381BB	B	Brown	5.04	4.77	4.24	2.85	Call for Quote
507-AMS-507-381BG	507-381BG	B	Gray	5.04	4.77	4.24	2.85	
507-AMS-507-381BI	507-381BI	B	Ivory	5.04	4.77	4.24	2.85	
507-AMS-507-381BW	507-381BW	B	White	5.04	4.77	4.24	2.85	
Magnet Only								
507-AMS-507-382B	507-382B	-	Brown	2.57	2.43	2.16	1.35	Call for Quote
507-AMS-507-382I	507-382I	-	Ivory	2.57	2.43	2.16	1.35	
507-AMS-507-382W	507-382W	-	White	2.57	2.43	2.16	1.35	

PRESS FIT MAGNETIC CONTACTS

3/8" Mini Contact (N/C Loop)

• 12 inch leads AWG #22 (UL1061)
• Operating gap: 5/16 inch • Magnet: Alnico 5

507-AMS-17B	505-171B	E	Brown	2.86	2.69	2.60	2.51	Call for Quote
507-AMS-17I	505-171I	E	Ivory	2.86	2.69	2.60	2.51	
507-AMS-17W	505-171W	E	White	2.86	2.69	2.60	2.51	
Magnet Only								
507-AMS-505-172B	505-172B	-	Brown	1.33	1.25	1.21	1.17	Call for Quote
507-AMS-505-172I	505-172I	-	Ivory	1.33	1.25	1.21	1.17	
507-AMS-505-172W	505-172W	-	White	1.33	1.25	1.21	1.17	

3/8" Recessed Contact (N/C Loop)

• 24 inch leads AWG #22 (UL1061) • Operating gap: 5/8 inch • Magnet: Alnico 5

507-AMS-21B	505-211B	E	Brown	2.55	2.45	2.40	2.20	Call
507-AMS-21I	505-211I	E	Ivory	2.55	2.45	2.40	2.20	
Magnet Only								
507-AMS-505-212B	505-212B	-	Brown	1.44	1.38	1.36	1.25	Call
507-AMS-505-212I	505-212I	-	Ivory	1.44	1.38	1.36	1.25	

1/4" Mini Contact (N/C Loop)

• 24 inch leads AWG #22 (UL1061) • Operating gap: 5/8 inch • Magnet: Alnico 5

507-AMS-20B	505-201B	E	Brown	2.55	2.45	2.40	2.20	Call for Quote
507-AMS-20I	505-201I	E	Ivory	2.55	2.45	2.40	2.20	
507-AMS-20W	505-201W	E	White	2.55	2.45	2.40	2.20	

OVERHEAD DOOR CONTACT

• Switch and magnet concealed in polished aluminum die-cast housing • Operating gap: 2 inches
• Magnet mounted on adjustable L bracket • 24 inch stainless armored cable

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Amseco Part No.	Fig.	Description	Price Each 1	10	50	100
507-ODC-59A	511-59A	F	SPST, N/C loop	12.29	11.55	11.18	10.80
507-ODC-59B	511-59B	F	SPDT, N/O, N/C loop	14.32	13.43	12.98	12.53

COMMERCIAL GRADE DRY-REED SWITCHES

Hermetically sealed in a gas-filled glass envelope. Single-pole, single-throw (SPST) type, having normally open contacts, and containing two magnetically actuated reeds. The switch is of the double-ended type and may be actuated by an electromagnet, a permanent magnet or a combination of both.

Features:

- Contact layers: Ruthenium on gold
- Superior glass-to-metal seal and blade alignment

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Switched Power (W)	Switched Current DC mA	Operate Range	Release Range	Dimensions In. A	B	C	Price Each 1	10	25	50
RI-01C Series, Pico Dry-Reed													
816-RI-01CAA	RI-01CAA	A	10	250	7-19	3-16	0.531	1.811	0.071	.59	.49	.41	.33
816-RI-01CA	RI-01CA	A	10	500	16-25	4-18	0.531	1.811	0.071	.59	.49	.41	.33
RI-01B Series, Micro Dry-Reed													
816-RI-01BAAA	RI-01BAAA	A	5	250	6-16	3-15.5	0.591	1.811	0.100	.59	.49	.41	.33
816-RI-01BAA	RI-01BAA	A	10	500	14-23	4-21	0.591	1.811	0.100	.59	.49	.41	.33
816-RI-01BA	RI-01BA	A	10	500	18-32	5-27	0.591	1.811	0.100	.59	.49	.41	.33
RI-02 Series, Ultra-Miniature													
816-RI-02A	RI-02A	A	10	500	7-21	3-16	0.394	1.811	0.071	.91	.77	.64	.52
RI-03 Series, Micro Dry-reed													
816-RI-03AAA	RI-03AAA	A	5	250	6-16	3-15.5	0.591	1.811	0.100	.62	.52	.43	.35
816-RI-03AA	RI-03AA	A	10	500	14-23	6-21	0.591	1.811	0.100	.62	.52	.43	.35
816-RI-03A	RI-03A	A	10	500	18-32	7-27	0.591	1.811	0.100	.62	.52	.43	.35
816-RI-03B	RI-03B	A	10	500	28-52	10-36	0.591	1.811	0.100	.62	.52	.43	.35
816-RI-03C	RI-03C	A	10	500	46-70	18-32	0.591	1.811	0.100	.62	.52	.43	.35
RI-05 Series, Close Differential Pico Dry-Reed													
816-RI-05AA	RI-05AA	A	10	400	7-19	80	0.531	1.811	0.071	.96	.82	.70	.65
816-RI-05A	RI-05A	A	10	400	16-25	75	0.531	1.811	0.071	.96	.82	.70	.65
RI-06 Series, Close Differential Micro Dry-Reed													
816-RI-06AA	RI-06AA	A	5	250	6-16	80	0.591	1.811	0.100	.96	.82	.70	.65
816-RI-06A	RI-06A	A	10	400	14-23	75	0.591	1.811	0.100	.96	.82	.70	.65
816-RI-06B	RI-06B	A	10	400	18-32	70	0.591	1.811	0.100	.96	.82	.70	.65
RI-07 Series, Pico Dry-Reed													
816-RI-07AAA	RI-07AAA	A	5	250	7-19	3-16	0.531	1.811	0.071	.62	.52	.43	.35
816-RI-07AA	RI-07AA	A	10	500	16-25	4-18	0.531	1.811	0.071	.62	.52	.43	.35
816-RI-07A	RI-07A	A	10	500	20-36	6-19.5	0.531	1.811	0.071	.62	.52	.43	.35
RI-08 Series, Micro Dry-Reed													
816-RI-08AA	RI-08AA	A	30	750	10.5-19	4-12	0.807	2.157	0.106	1.20	1.02	.87	.81
816-RI-08A	RI-08A	A	30	1000	15-28	5-16	0.807	2.157	0.106	1.20	1.02	.87	.81
816-RI-08B	RI-08B	A	40	1000	24-51	8-20.5	0.807	2.157	0.106	1.20	1.02	.87	.81

PROFESSIONAL GRADE DRY-REED SWITCHES

Hermetically sealed in a gas-filled glass envelope. Single-pole, single-throw (SPST) type, having normally open contacts, and containing two magnetically actuated reeds. The switch is of the double-ended type and may be actuated by an electromagnet, a permanent magnet or a combination of both.

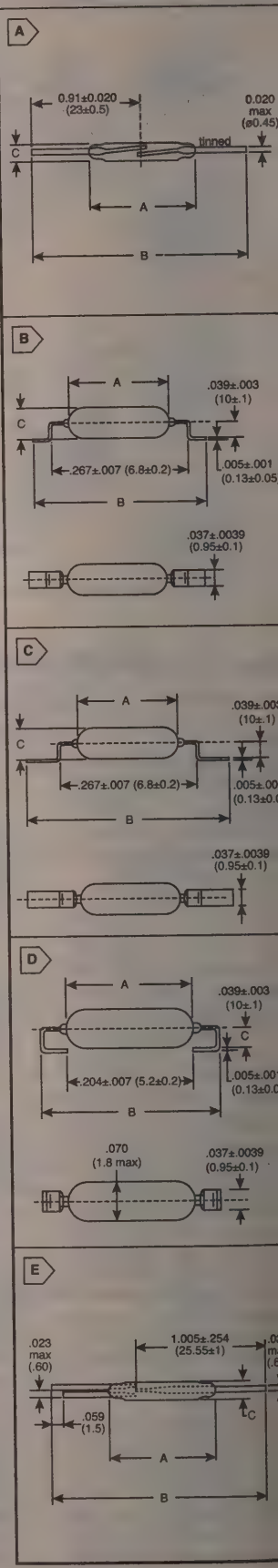
Features:

- Superior glass-to-metal seal and blade alignment
- Excellent life expectancy and reliability
- ✻SPDT

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Switched Power (W)	Switched Current DC mA	Operate Range	Release Range	Dimensions In. A	B	C	Price Each 1	10	25	50
RI-21 Series, Micro Dry-Reed													
816-RI-21AAA	RI-21AAA	A	10	500	8-16	4-14	0.591	1.811	0.100	.96	.81	.70	.65
816-RI-21AA	RI-21AA	A	10	500	14-23	7.5-17.5	0.591	1.811	0.100	.96	.81	.70	.65
816-RI-21A	RI-21A	A	10	500	18-32	8-22	0.591	1.811	0.100	.96	.81	.70	.65
816-RI-21B	RI-21B	A	10	500	28-52	12-29	0.591	1.811	0.100	.96	.81	.70	.65
816-RI-21C	RI-21C	A	10	500	46-70	16-32	0.591	1.811	0.100	.96	.81	.70	.65
RI-23 Series, Micro Dry-Reed													
816-RI-23AAA	RI-23AAA	A	10	250	8-16	4-14	0.591	1.811	0.100	.68	.57	.48	.393
816-RI-23AA	RI-23AA	A	10	500	14-23	7.5-17.5	0.591	1.811	0.100	.68	.57	.48	.393
816-RI-23A	RI-23A	A	10	500	18-32	8-22	0.591	1.811	0.100	.68	.57	.48	.393
816-RI-23B	RI-23B	A	10	500	28-52	12-29	0.591	1.811	0.100	.68	.57	.48	.393
816-RI-23C	RI-23C	A	10	500	46-70	16-32	0.591	1.811	0.100	.68	.57	.48	.393
RI-25 Series, Micro Dry-Reed													
816-RI-25AAA	RI-25AAA	A	10	750	8-16	4-14	0.591	1.811	0.100	.72	.60	.50	.41
816-RI-25AA	RI-25AA	A	15	1000	14-23	7.5-17.5	0.591	1.811	0.100	.72	.60	.50	.41
816-RI-25A	RI-25A	A	15	1000	18-32	8-22	0.591	1.811	0.100	.72	.60	.50	.41
816-RI-25B	RI-25B	A	25	1000	28-52	12-29	0.591	1.811	0.100	.72	.60	.50	.41
816-RI-25C	RI-25C	A	25	1000	46-70	16-32	0.591	1.811	0.100	.72	.60	.50	.41
RI-26 Series, Close Differential Micro Dry-Reed													
816-RI-26AA	RI-26AA	A	15	1000	14-23	80	0.591	1.811	0.100	.94	.79	.67	.60
816-RI-26A	RI-26A	A	15	1000	18-32	75	0.591	1.811	0.100	.94	.79	.67	.60
816-RI-26B	RI-26B	A	20	1000	28-52	70	0.591	1.811	0.100	.94	.79	.67	.60
RI-27 Series, Pico Dry-Reed													
816-RI-27AAA	RI-27AAA	A	10	500	10-19	4-16	0.531	1.811	0.071	1.01	.85	.71	.58
816-RI-27AA	RI-27AA	A	10	500	16-25	5-18	0.531	1.811	0.071	1.01	.85	.71	.58
816-RI-27A	RI-27A	A	10	500	20-34	7-19.5	0.531	1.811	0.071	1.01	.85	.71	.58
RI-29 Series, Pico Dry-Reed													
816-RI-29AA	RI-29AA	A	15	1000	16-25	5-18	0.531	1.811	0.071	1.01	.85	.71	.58
816-RI-29A	RI-29A	A	20	1000	20-34	7-19.5	0.531	1.811	0.071	1.01	.85	.71	.58
RI-46 Series, Micro Dry-Reed													
816-RI-46AA	RI-46AA	A	30	750	10.5-19	4-12	.807	2.157	.106	1.01	.85	.71	.58
816-RI-46A	RI-46A	A	30	1000	15-28	5-16	.807	2.157	.106	1.01	.85	.71	.58
816-RI-46B	RI-46B	A	40	1000	24-51	8-20.5	.807	2.157	.106	1.01	.85	.71	.58
816-RI-46C	RI-46C	A	40	1000	46-70	12-22.5	.807	2.157	.106	1.01	.85	.71	.58
RI-48 Series, Micro Dry-Reed													
816-RI-48AA	RI-48AA	A	70	1000	10.5-19	4-12	.807	2.157	.106	1.01	.85	.71	.58
816-RI-48A	RI-48A	A	70	1000	15-28	8-20	.807	2.157	.106	1.01	.85	.71	.58
816-RI-48B	RI-48B	A	70	1000	24-51	13-27	.807	2.157	.106	1.01	.85	.71	.58
816-RI-48C	RI-48C	A	70	1000	46-70	18-32	.807	2.157	.106	1.01	.85	.71	.58
RI-60, RI-70, and RI-80 Series, Ultra-Miniature Dry-Reed													
816-RI-60GP1020	RI-60GP1020	A	10	500	7-21	3-16	0.39	1.81	0.02	1.01	.85	.71	.58
816-RI-70GP0715	RI-70GP0715	A	10	500	7-21	3-16	0.276	1.81	0.071	1.20	1.01	.85	.69
816-RI-80GP0515	RI-80GP0515	A	5	350	5-15	2-13	0.19	1.81	0.07	1.24	1.05	.89	.74
816-RI-80SMD0515-G1	RI-80SMD0515-G1	B	5	350	5-15	2-13	0.196	0.342	0.07	2.02	1.70	1.42	1.16
816-RI-80SMD0515-G2	RI-80SMD0515-G2	C	5	350	5-15	2-13	0.196	0.4	0.07	2.02	1.70	1.42	1.16
816-RI-80SMD0515-J	RI-80SMD0515-J	D	5	350	5-15	2-13	0.196	0.279	0.07	2.34	1.98	1.65	1.35
RI-90 Series, Micro Changeover Dry-Reed													
✻816-RI-90	RI-90	E	5	400	10-30	Min 5	0.59	1.988	0.100	2.89	2.44	2.04	1.66

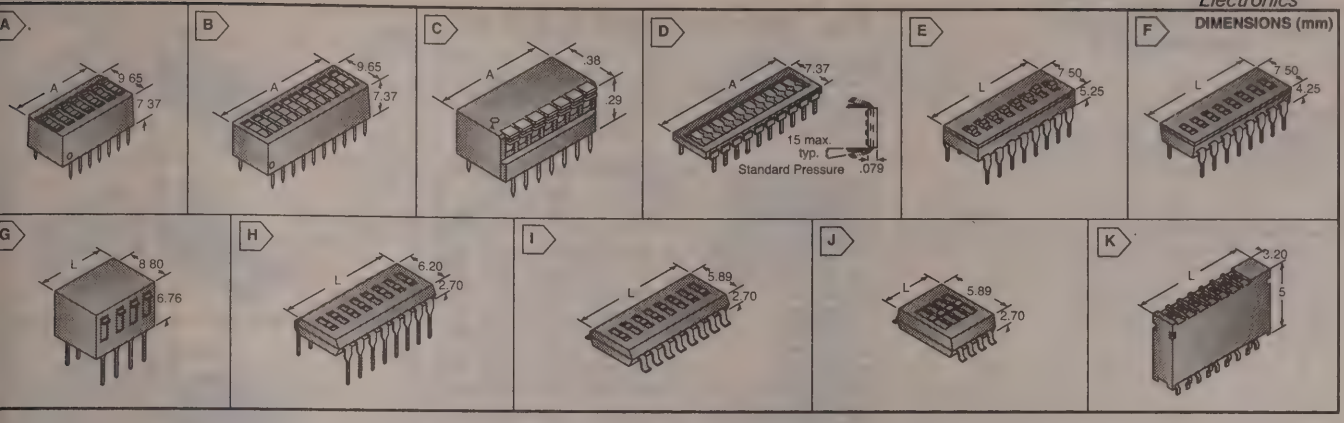
DIMENSIONS IN. (mm)



MOUSER ELECTRONICS a tti company

(800) 346-6873

ALCOSWITCH DIP and SIP Switches



LCOSWITCH 7100 SERIES STANDARD DIP SWITCHES

rrent/voltage rating: Non-switching-1.0A max. @ 40VDC
lectric withstanding voltage: 500VDC min.
pacitance: 5pF max.
using: Glass-filled polyester, UL 94V-0 rated, blue
cker: Polyester UL 94V-0 rated, white
ring contacts and leads: Cu alloy with Au over Ni plating

andard Profile — For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dimension "A" (mm)	No. of Pos.	Price Each 1	25	50	100
nsealed								
71-24356409	2-435640-9	A	7.11	2	3.28	3.01	2.62	2.36
71-4356402	435640-2	A	12.19	4	.68	.59	.54	.49
71-4356403	435640-3	A	14.73	5	.80	.70	.64	.58
71-4356405	435640-5	A	22.35	8	.95	.84	.76	.68
71-34356402	3-435640-2	A	32.51	12	1.83	1.57	1.48	1.31
ealed								
71-34356405	3-435640-5	A	12.19	4	.88	.77	.70	.63
71-34356406	3-435640-6	A	14.73	5	1.79	1.53	1.45	1.28
71-34356407	3-435640-7	A	17.27	6	1.30	1.14	1.04	.94
71-34356409	3-435640-9	A	22.35	8	1.25	1.10	1.00	.90
71-44356401	4-435640-1	A	27.43	10	1.40	1.23	1.12	1.01
w Profile								
nsealed								
71-4356683	435668-3	B	17.27	4	.99	.85	.80	.71
71-4356687	435668-7	B	22.35	8	1.39	1.19	1.12	.99
ealed								
71-34356684	3-435668-4	B	12.19	4	1.11	.95	.90	.80
71-34356685	3-435668-5	B	14.73	5	1.28	1.10	1.04	.92
71-24356688	2-435668-8	B	22.35	8	2.00	1.76	1.60	1.44

LCOSWITCH 7000 SERIES PREMIUM DIP SWITCHES

rrent and voltage rating: Non-switching-1.0A max. @ 50VDC
lectric withstanding voltage: 500 VDC min.
pacitance: 5pF max.
using: Glass-filled polyester, UL 94V-0 rated, blue
cker: Polyester UL 94V-0 rated, white
ring contacts and leads: BeCu alloy with Au over Ni plating

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dimension "A" (mm)	No. of Pos.	Price Each 1	25	50	100
ealed - Piano Style Actuator								
71-14358025	1-435802-5	C	12.19	4	1.23	1.08	.98	.88
71-14358026	1-435802-6	C	14.73	5	1.43	1.22	1.16	1.02
71-14358027	1-435802-7	C	17.27	6	1.33	1.17	1.06	.95
71-4358029	435802-9	C	22.35	8	1.45	1.28	1.16	1.04
71-14358029	1-435802-9	C	24.89	9	2.60	2.39	2.08	1.87
71-24358020	2-435802-0	C	27.43	10	1.93	1.66	1.56	1.38
71-24358022	2-435802-2	C	32.51	12	2.16	1.85	1.75	1.55
nsealed - Piano Style Actuator								
71-14358020	1-435802-0	C	7.11	2	6.35	5.84	5.08	4.59
71-4358023	435802-3	C	12.19	4	1.58	1.45	1.26	1.13
71-4358025	435802-5	C	17.27	6	1.88	1.73	1.56	1.35
71-4358021	435802-1	C	22.35	8	1.55	1.33	1.26	1.11
ealed - Rocker Style Actuator								
71-44351669	4-435166-9	A	12.19	4	1.72	1.48	1.39	1.23
06-54351663	5-435166-3	A	22.35	8	1.97	1.69	1.31	1.20
nsealed - Rocker Style Actuator								
71-435166-2	435166-2	A	12.19	4	3.86	3.31	3.13	2.76
06-4351665	435166-5	A	22.35	8	3.89	3.33	3.15	2.78

LCOSWITCH 7600 SERIES DIP SHUNTS

ecifications:
Current rating per shunt: Standard pressure: 2A
nsulation resistance: $1x10^{10}$ Ω min. @ 100VDC
Dielectric withstanding voltage: 500VDC min.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dimension "A" (mm)	No. of Pos.	Price Each 1	25	50	100
tandard								
71-4357044	435704-4	D	10.16	4	.59	.50	.48	.42
71-4357047	435704-7	D	17.78	7	.61	.52	.49	.44
71-4357048	435704-8	D	20.32	8	.80	.68	.65	.57
71-14357042	1-435704-2	D	25.40	10	.74	.63	.60	.53

ALCOSWITCH AD SERIES DIP SWITCHES

Specifications:
- Contact rating: 0.4VA @ 20VDC max.
- Contact resistance: 50 mΩ max.
- Dielectric strength: 500 VAC
- Life expectancy: 1000 cycles
- High pressure wiping contact allows aqueous or solvent cleaning without tape seal
- Polyester base, cover, and actuator material
- Gas-tight contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dimension "A" (mm)	No. of Pos.	Price Each 1	25	50	100
Through-hole w/ Extended Actuator								
506-ADE02	ADE02	E	7.06	2	.84	.72	.68	.60
506-ADE04	ADE04	E	12.14	4	.84	.72	.68	.60
506-ADE05	ADE05	E	14.68	5	1.45	1.24	1.17	1.04
506-ADE06	ADE06	E	17.22	6	1.49	1.28	1.21	1.08
506-ADE07	ADE07	E	19.76	7	1.58	1.35	1.28	1.13
506-ADE08	ADE08	E	22.30	8	1.22	1.04	.99	.87
Through-hole w/ Flush Actuator								
506-ADF02	ADF02	F	7.06	2	1.05	.90	.85	.75
506-ADF04	ADF04	F	12.14	4	.84	.72	.68	.60
506-ADF06	ADF06	F	17.22	6	1.30	1.12	1.05	.93
506-ADF08	ADF08	F	22.30	8	1.22	1.04	.99	.87
Through-hole w/ Piano Actuator (Lever Down "On")								
506-ADP02	ADP02	G	7.06	2	1.47	1.26	1.19	1.05
506-ADP04	ADP04	G	12.14	4	1.34	1.15	1.09	.96

ALCOSWITCH GD SERIES LOW PROFILE DIP SWITCHES

Specifications:
- Contact rating: 0.4VA @ 24VDC max.
- Contact resistance: 100 mΩ max.
- Contact material: Au over Ni over Cu alloy
- Tape seal standard

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dimension "A" (mm)	No. of Pos.	Price Each 1	25	50	100
Through-hole w/ Slide Actuator								
506-GDS04	GDS04	H	10.02	4	1.41	1.21	1.14	1.01
506-GDS08	GDS08	H	20.18	8	2.21	1.89	1.79	1.58
Half-pitch Surface Mount								
506-GDH02S	GDH02S	I	3.66	2	2.69	2.30	2.18	1.92
506-GDH04S	GDH04S	I	6.20	4	3.42	2.93	2.77	2.45
506-GDH06S	GDH06S	I	8.75	6	2.58	2.21	2.09	1.85
506-GDH08S	GDH08S	I	11.29	8	2.88	2.47	2.33	2.06
506-GDH10S	GDH10S	I	13.82	10	4.64	3.98	3.76	3.32

ALCOSWITCH MGDH SERIES ULTRA LOW PROFILE HALF-PITCH DIP SWITCH

Specifications:
- Contact rating: 0.4VA @ 24VDC max.
- Contact resistance: 100 mΩ max.
- Contact material: Au over Ni over Cu alloy
- Life expectancy: 1000 cycles min.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dimension "A" (mm)	No. of Pos.	Price Each 1	25	50	100
506-MGDH04	MGDH04	J	6.19	4	2.84	2.43	2.30	2.03

ALCOSWITCH S SERIES VERTICAL, LOW PROFILE, SIP SWITCHES

Specifications:
- Contact rating: 0.4VA @ 20VDC max.
- Contact resistance: 50 mΩ max.
- 2 SIP switches take up less space than DIP switch
- Gas tight contacts (280,000 PSI)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dimension "A" (mm)	No. of Pos.	Price Each 1	25	50	100
506-SSV02	SSV02	K	7.57	2	2.50	2.26	2.02	1.79
506-SSV04	SSV04	K	12.65	4	3.34	2.86	2.70	2.39
506-SSV06	SSV06	K	17.73	6	4.03	3.17	3.02	2.27
506-SSV08	SSV08	K	22.81	8	4.51	3.38	3.22	2.82

C&K DIP Switches

SDA/TDA SERIES: LOW PROFILE

Specifications (SDA Series):
- Mechanical and electrical life: 1,000 cycles at rated loads
- Contact rating: 25 mA @ 24 VDC or 100 mA @ 50 VDC
- Dielectric strength: 300 VDC min. for 1 minute

Specifications (TDA Series):
- Process sealed for surface mount soldering and washable processing
- .05" lead spacing
- Mechanical and Electrical life: 1,000 cycles
- Contact rating: 24 VDC @ 25 mA (switching); 50 VDC @ 100 mA (steady state)
- Dielectric strength: 300 VAC min.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Pos.	Dim. A (in.)	Price Each 1	25	100	250
Flush Actuator - No Tape, Thru-Hole Terminals							
611-SDA02H0KD	A	2	.278	.91	.89	.72	.57
611-SDA03H0KD	A	3	.378	.91	.83	.73	.56
611-SDA04H0KD	A	4	.476	.95	.86	.76	.59
611-SDA05H0KD	A	5	.578	1.00	.91	.80	.62
611-SDA06H0KD	A	6	.676	1.03	.94	.83	.63
611-SDA07H0KD	A	7	.778	1.10	1.01	.88	.68
611-SDA08H0KD	A	8	.876	1.21	1.10	.97	.75
611-SDA09H0KD	A	9	.978	1.35	1.23	1.08	.83
611-SDA12H0KD	A	12	1.279	1.59	1.46	1.27	.98
Flush Actuator - With Top Tape, Thru-Hole Terminals							
611-SDA03H0K	A	3	.378	1.02	.93	.81	.62
611-SDA04H0K	A	4	.476	1.05	.96	.84	.65
611-SDA07H0K	A	7	.778	1.21	1.10	.97	.75
611-SDA08H0K	A	8	.876	1.35	1.23	1.08	.83
611-SDA09H0K	A	9	.978	1.45	1.33	1.16	.89
611-SDA12H0K	A	12	1.279	1.70	1.55	1.36	1.04
Flush Actuator - With Top Tape, SMT							
611-SDA02H0SK	B	2	.278	1.45	1.42	1.16	.91
611-SDA04H0SK	B	4	.476	1.51	1.38	1.20	.92
611-SDA05H0SK	B	5	.578	1.56	1.42	1.25	.96
611-SDA06H0SK	B	6	.676	1.63	1.49	1.30	1.01
611-SDA07H0SK	B	7	.778	1.72	1.57	1.37	1.05
611-SDA08H0SK	B	8	.876	1.87	1.71	1.50	1.16
611-SDA10H0SK	B	10	1.076	2.19	2.00	1.75	1.34
611-SDA12H0SK	B	12	1.279	2.40	2.19	1.92	1.47
Flush Actuator - No Tape, SMT							
611-SDA02H0SKD	B	2	.278	1.32	1.29	1.05	.83
611-SDA03H0SKD	B	3	.378	1.33	1.22	1.06	.81
611-SDA07H0SKD	B	7	.778	1.61	1.47	1.29	.99
611-SDA08H0SKD	B	8	.876	1.77	1.62	1.41	1.08
611-SDA10H0SKD	B	10	.076	2.07	1.89	1.65	1.28
Flush Actuator - Half Pitch, SMT							
611-TDA02H0SK1	C	2	.144	1.82	1.77	1.45	1.14
611-TDA04H0SK1	C	4	.244	1.82	1.66	1.46	1.11
611-TDA06H0SK1	C	6	.344	2.15	1.97	1.72	1.32
611-TDA08H0SK1	C	8	.444	2.47	2.26	1.97	1.52
611-TDA10H0SK1	C	10	.544	3.66	3.34	2.93	2.24
Extended Actuator - No Top Tape, Thru-Hole Terminals							
611-SDA02H1KD	D	2	.278	.91	.89	.72	.57
611-SDA03H1KD	D	3	.378	.91	.83	.73	.56
611-SDA04H1KD	D	4	.476	.95	.86	.76	.59
611-SDA05H1KD	D	5	.578	1.00	.91	.80	.62
611-SDA06H1KD	D	6	.676	1.03	.94	.83	.63
611-SDA07H1KD	D	7	.778	1.10	1.01	.88	.68
611-SDA08H1KD	D	8	.876	1.21	1.10	.97	.75
611-SDA09H1KD	D	9	.978	1.35	1.23	1.08	.83
611-SDA10H1KD	D	10	1.076	1.45	1.33	1.16	.89
611-SDA12H1KD	D	12	1.279	1.59	1.46	1.27	.98
Extended Actuator - No Top Tape, SMT							
611-SDA02H1SKD	E	2	.278	1.32	1.29	1.05	.83
611-SDA03H1SKD	E	3	.378	1.33	1.22	1.06	.81
611-SDA04H1SKD	E	4	.476	1.38	1.26	1.11	.86
611-SDA05H1SKD	E	5	.578	1.52	1.39	1.22	.93
611-SDA06H1SKD	E	6	.676	1.61	1.47	1.29	.99
611-SDA08H1SKD	E	8	.876	1.77	1.62	1.41	1.08
611-SDA09H1SKD	E	9	.978	1.96	1.79	1.57	1.20
611-SDA10H1SKD	E	10	1.076	2.07	1.89	1.65	1.28
611-SDA12H1SKD	E	12	1.279	2.29	2.10	1.83	1.41

BPA SERIES: SIDE ACTUATED

Specifications:
- Mechanical and Electrical Life: 1,000 cycles min. @ 5 VDC 10mA
- Contact rating: 100 mA max. @ 5 VDC or 25 mA max. @ 24 VDC
- Dielectric withstand voltage: 300 VAC for 1 minute
- High pressure contact system does not require tape seal

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Pos.	Dim. A (in.)	Price Each 1	25	100	250
Thru-hole							
611-BPA02K	F	2	.28	1.12	1.09	.89	.70
611-BPA04K	F	4	.48	1.21	1.10	.97	.74
611-BPA05K	F	5	.578	1.28	1.17	1.02	.78
611-BPA06K	F	6	.68	1.42	1.30	1.13	.87
611-BPA07K	F	7	.778	1.47	1.34	1.18	.90
611-BPA08K	F	8	.878	1.47	1.34	1.18	.90
611-BPA09K	F	9	.978	1.59	1.46	1.27	.98
611-BPA10K	F	10	1.078	1.66	1.52	1.33	1.02
Surface Mount							
611-BPA02SK	G	2	.28	1.16	1.06	.92	.71
611-BPA04SK	G	4	.48	1.31	1.20	1.05	.81
611-BPA05SK	G	5	.578	1.40	1.28	1.12	.86
611-BPA06SK	G	6	.68	1.56	1.42	1.25	.96
611-BPA07SK	G	7	.778	1.61	1.47	1.29	.99
611-BPA08SK	G	8	.878	1.61	1.47	1.29	.99
611-BPA09SK	G	9	.978	1.75	1.60	1.40	1.08
611-BPA10SK	G	10	1.078	1.84	1.68	1.47	1.13

BD SERIES: STANDARD PROFILE

Specifications:
- Traditional full profile with extended actuator
- Mechanical and Electrical life: 10,000 make-and-break cycles at full load, each circuit.
- Contact rating: Carry: 100 mA max. @ 50 VDC
  Switch: 100 mA max. @ 5 VDC or 25 mA max. @ 25 VDC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Pos.	Dim. A (in.)	Price Each 1	25	100	250
Open Base							
611-BD01	H	1	.18	1.28	1.17	1.02	.78
611-BD02	H	2	.28	1.30	1.18	1.04	.80
611-BD03	H	3	.38	1.31	1.20	1.05	.80
611-BD04	H	4	.48	1.44	1.31	1.15	.87
611-BD05	H	5	.58	1.47	1.34	1.18	.89
611-BD06	H	6	.68	1.52	1.39	1.22	.92
611-BD07	H	7	.78	1.58	1.44	1.26	.96
611-BD08	H	8	.88	1.63	1.49	1.30	.99
611-BD09	H	9	.98	1.68	1.54	1.34	1.04
611-BD10	H	10	1.08	1.77	1.62	1.41	1.07
611-BD12	H	12	1.28	1.89	1.73	1.51	1.14
Open Base and Right Angle Terminal Style							
611-BD02AV	I	2	.28	2.10	1.92	1.68	1.35
611-BD04AV	I	4	.48	2.22	2.03	1.78	1.43
611-BD08AV	I	8	.88	2.43	2.22	1.95	1.55

SP SERIES: SINGLE IN-LINE SWITCHES

Specifications:
- High pressure contact system does not require tape sealing
- Contact rating: Carry: 0.1mA @ 1mV min.; Switching: 10 mA @ 5 VDC
- Mechanical and Electrical Life: 1,000 cycles min.
- Dielectric strength: 1 minute @ 300 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	Pos.	Dimensions. (In.) A	B	Price Each 1	25	100
Vertical							
611-SP02	J	2	.298	.10	1.95	1.90	1.55
611-SP04	J	5	.498	.30	1.49	1.36	1.19
611-SP06	J	7	.698	.50	1.73	1.58	1.39
611-SP08	J	9	.898	.70	2.01	1.84	1.61
611-SP10	J	10	1.098	.90	2.54	2.32	2.03
Right Angle							
611-SP02A	K	2	.338	.10	1.84	1.68	1.47
611-SP06A	K	7	.738	.50	2.36	2.16	1.89

DIMENSIONS (IN.)

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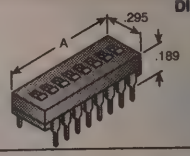

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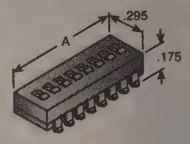

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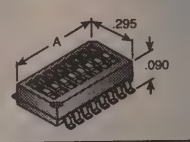

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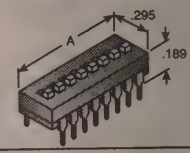

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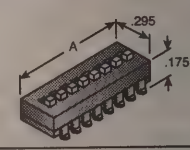

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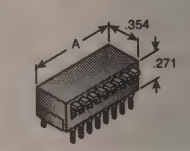

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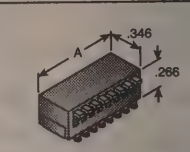

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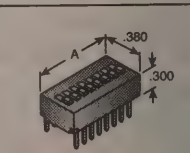

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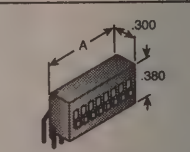

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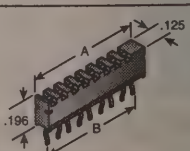

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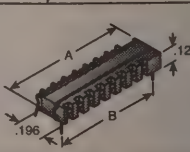
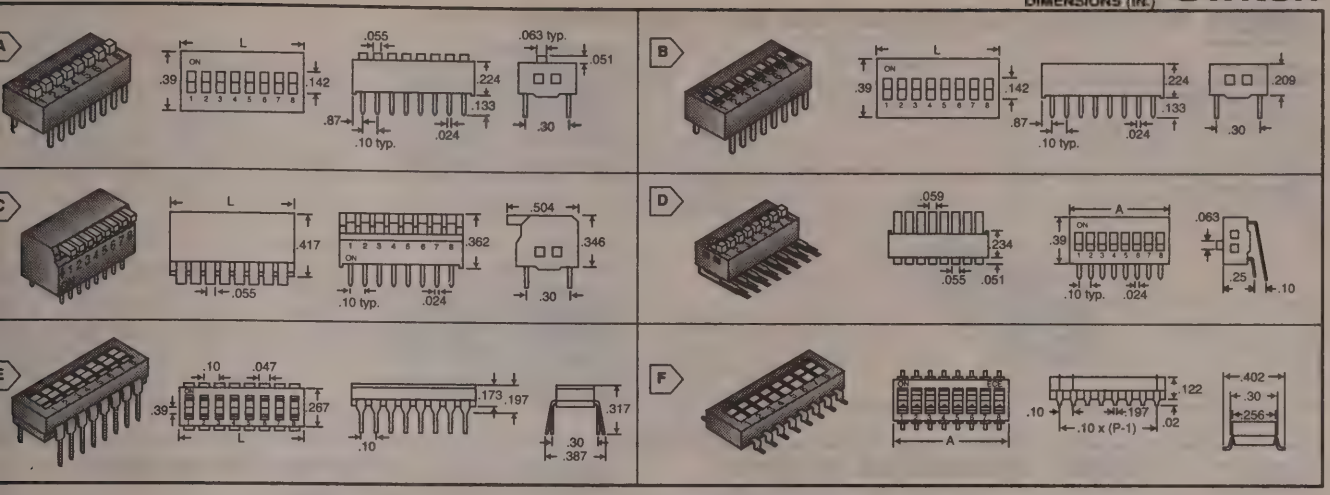


MOUNTAIN SWITCH DIP Switches

Mountain Switch

DIMENSIONS (IN.)



STANDARD DIP SWITCHES

Mechanical Specifications:
- Mechanical life: 10,000 operation min. per switch
- Operation force: less than 800g

Electrical Specifications:
- Rating: non-switching:100mA/50VDC; switching: 50mA/24VDC
- Electrical life: 5000 operation min.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Type	Length (In.)	Price Each 1	10	50	100	200
6-1202	A	2	SPST	.239	1.08	.99	.94	.89	.76
6-1204	A	4	SPST	.439	1.13	1.09	1.02	.96	.82
6-1206	A	6	SPST	.639	1.22	1.12	1.07	1.02	.91
6-1208	A	8	SPST	.839	1.31	1.16	1.10	1.05	.93

LOW PROFILE DIP SWITCH

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Type	Length (In.)	Price Each 1	10	50	100	200
6-1218	B	8	SPST	.839	1.31	1.16	1.10	1.05	.93

SIDE ACTUATED DIP SWITCHES

Mechanical Specifications:
- Mechanical life: 5,000 operation min. per switch
- Operation force: 400g ±200g

Electrical Specifications:
- Rating: non-switching: 100mA/50VDC; switching: 50mA/24VDC
- Electrical life: 2000 operation min.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Type	Length (In.)	Price Each 1	10	50	100	200
6-1234	C	4	SPST	.446	1.49	1.37	1.30	1.24	1.08
6-1238	C	8	SPST	.846	1.70	1.53	1.46	1.40	1.24

RIGHT ANGLE DIP SWITCHES

Mechanical Specifications:
- Mechanical life: 10,000 operation min. per switch
- Operation force: less than 800g

Electrical Specifications:
- Rating: non-switching: 100mA/50VDC; switching: 50mA/24VDC
- Electrical life: 5,000 operation min.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Type	Dimension "A" (In.)	Price Each 1	10	50	100	200
1254	D	4	SPST	.439	1.75	1.63	1.52	1.38	1.18
1258	D	8	SPST	.839	2.16	1.80	1.64	1.49	1.32

SINGLE CIRCUIT DIP SWITCH

are on 0.3" standard spacing centers. This DIP switch is sealed at the base with a thermo-setting plastic to e complete protection against solder flux contamination.

Mechanical Specifications:
- Operation force: 3.5 to 28 oz.
- Stroke: .078 ± .02
- Operating temperature: -20°C to +60°C

Electrical Specifications:
- Contact resistance: 50mΩ max.
- Insulation resistance: 100MΩ min. between terminals
- Dielectric strength: 500VDC for 1 minute
- Rating: non-switching: 500mA/50VDC; switching: 300mA/24VDC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Type	Length (In.)	Price Each 1	10	50	100	200
SS001	SPST	.19	2.43	2.03	1.84	1.67	1.56

MACHINE INSERTABLE ULTRA-LOW PROFILE DIP SWITCHES

Features:
- Splay terminals allow for automatic insertion by IC insertion machine
- Recessed actuator for low profile
- Double contact offers high reliability
- Insert molding of terminals and ultra-sonic welding improve flux resistance

Mechanical Specifications:
- Mechanical life: 5,000 operation per switch
- Operation force: less than 800g
- Stroke: 1.0mm
- Operating temperature: -40°C to +85°C
- Storage temperature: -40°C to +85°C

Electrical Specifications:
- Electrical life: 2000 operation min. per switch-24VDC
- Rating: non-switching: 100mA/50VDC; switching: 50mA/24VDC
- Contact resistance: 30mΩ max. initial; 100mΩ max. at end of life
- Insulation resistance: 100M min. at end of life
- Dielectric strength: 500VDC / 1 minute
- Capacitance: 5pF max. between adjacent closed switch.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Type	Length (In.)	Price Each 1	10	50	100	200
106-1222	E	2	SPST	.198	1.35	1.13	1.02	.93	.86
106-1224	E	4	SPST	.398	1.40	1.27	1.16	1.06	.98
106-1228	E	8	SPST	.880	1.49	1.35	1.29	1.24	1.01

SURFACE MOUNT DIP SWITCHES

Features:
- End stackable for standard 0.1" IC pitch
- Molded 0.3" IC packing outline for automatic insertion
- Top tape sealed
- Materials: UL 94V-0 grade fire retardant plastics
- Contacts: gold plated
- Terminal: tin plated

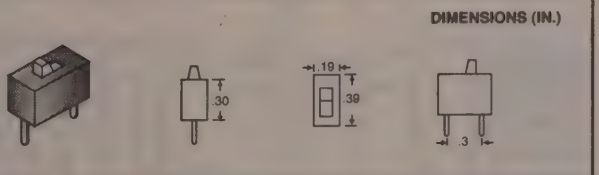
Electrical Specifications:
- Rating: non-switching: 100mA/50VDC; switching: 25mA/24VDC
- Contact resistance: initial: 50mΩ max. after life test: 100mΩ max.
- Insulation resistance: 1,000MΩ min. @ 100VDC
- Dielectric strength: 500VDC min. for 1 minute
- Capacitance between adjacent switches: 5pF max.

Mechanical and Environmental Specifications:
- Operating temperature: -25°C to +70°C
- Storage temperature: -40°C to +85°C
- Operation force: 800g max.
- Operation life: 2,000 operations
- Solderability: after flux 230 ± 5°C for 5 ± 0.5 second 95% coverage

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Type	Dimension "A" (In.)	Price Each 1	10	50	100	200
106-1242	F	2	SPST	.198	1.58	1.46	1.35	1.23	1.13
106-1244	F	4	SPST	.398	1.74	1.60	1.48	1.35	1.23
106-1246	F	6	SPST	.598	1.79	1.65	1.57	1.50	1.38
106-1248	F	8	SPST	.798	1.86	1.71	1.63	1.56	1.44

DIMENSIONS (IN.)

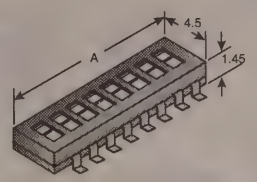


OMRON A6H SERIES: HALF-PITCH SURFACE MOUNT DIP SWITCHES

Specifications:
- Mechanical and Electrical life: 1,000 operations min.
- Dielectric strength: 300 VAC
- Operating force: 30gf
- Switching capacity: 25mA @ 24 VDC

Features:
- Ultra-low profile of 1.55mm
- Reduced mounting space

DIMENSIONS (mm)



With Seal Tape

For quantities of 500 and up, call for qu

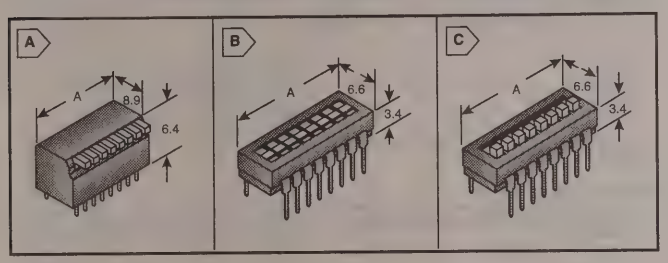
MOUSER STOCK NO.	Omron Part No.	Number of Positions	Dim. A (mm)	Price Each 1	25	50	10
653-A6H-4102	A6H-4102	4	6.31	1.47	1.29	1.25	1.
653-A6H-8102	A6H-8102	8	11.39	1.92	1.69	1.63	1.
653-A6H-0102	A6H-0102	10	13.93	1.92	1.69	1.63	1.

Standard Type

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Omron Part No.	Number of Positions	Dim. A (mm)	Price Each 1	25	50	1
653-A6H-4101	A6H-4101	4	6.31	1.42	1.25	1.21	1.
653-A6H-6101	A6H-6101	6	8.85	1.57	1.38	1.34	1.
653-A6H-8101	A6H-8101	8	11.39	1.87	1.65	1.59	1.
653-A6H-0101	A6H-0101	10	13.93	1.87	1.65	1.59	1.

OMRON A6D SERIES: SUBMINIATURE DIP SWITCH



DIMENSIONS (mm)

Specifications:
- Housing/Actuator: PBT (Polybutylene terephthalate)
- Movable contact: Beryllium copper
- Terminal: Nickel-iron alloy
- Switching capacity: 100mA, 5 VDC; 30mA, 30 VDC
- Operating force: 500 g max.
- Dielectric strength: 500 VAC
- Mechanical life: 5,000 operations min.
- Electrical life: 2,000 operations min.

Features:
- Internal rubber seal allows immersion-cleaning without taping.
- Bifurcated movable contacts
- Smooth, sure switching action.

Side Actuated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Dim.A mm	Price Each 1	25	50	100
653-A6DR-2100	A	2	7.1	2.28	2.01	1.94	1.88
653-A6DR-4100	A	4	12.2	2.55	2.34	2.14	1.93
653-A6DR-6100	A	6	17.3	2.68	2.36	2.29	2.21
653-A6DR-8100	A	8	22.4	3.04	2.68	2.59	2.50
653-A6DR-0100	A	10	27.4	3.74	3.30	3.19	3.08

Flat Actuated

For quantities of 500 and up, call for quote.

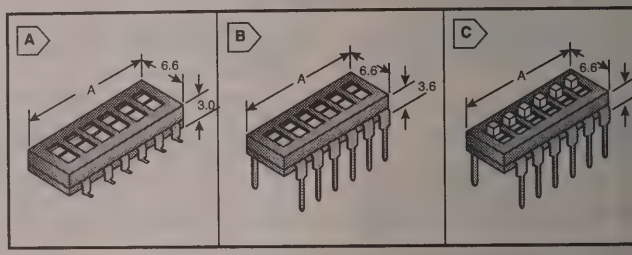
MOUSER STOCK NO.	Fig.	No. of Positions	Dim.A mm	Price Each 1	25	50	100
653-A6D-2100	B	2	7.1	1.56	1.37	1.33	1.28
653-A6D-4100	B	4	12.2	1.66	1.46	1.41	1.36
653-A6D-6100	B	6	17.3	1.85	1.63	1.58	1.52
653-A6D-8100	B	8	22.4	1.95	1.72	1.66	1.60
653-A6D-0100	B	10	27.4	3.07	2.71	2.62	2.53

Raised Actuator

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Dim.A mm	Price Each 1	25	50	100
653-A6D-2103	C	2	7.1	1.75	1.54	1.49	1.44
653-A6D-4103	C	4	12.2	1.75	1.54	1.49	1.44
653-A6D-6103	C	6	17.3	1.98	1.75	1.69	1.63
653-A6D-8103	C	8	22.4	2.16	1.90	1.84	1.78
653-A6D-0103	C	10	27.4	3.07	2.71	2.62	2.53

OMRON A6S & A6T SERIES: DIP SWITCHES WITH SLIDE PINS



DIMENSIONS (m

Specifications:
- Switching capacity: 25mA, 24 VDC
- Contact resistance: 200m max. (initial value)
- Insulation resistance: 100 M max. (initial value)
- Operating force: 30 gf
- Dielectric strength: 500 VAC
- Mechanical life: 1,000 operations min.
- Electrical life: 1,000 operations min.

Features:
- Allows automatic mounting with DIP IC insertion machines
- Flat actuated switches are tape sealed

SMT Flat Actuated

For quantities of 500 and up, call for

MOUSER STOCK NO.	Fig.	No. of Positions	Dim.A (mm)	Price Each 1	25	50	1
653-A6S-2102	A	2	6.02	.94	.85	.78	.
653-A6S-4102	A	4	11.10	.99	.89	.82	.
653-A6S-5102	A	5	13.64	1.08	.97	.89	.
653-A6S-6102	A	6	16.18	1.16	1.04	.95	.
653-A6S-7102	A	7	18.72	1.31	1.17	1.07	1.
653-A6S-8102	A	8	21.26	1.45	1.30	1.19	1.
653-A6S-9102	A	9	23.80	1.76	1.58	1.45	1.
653-A6S-0102	A	10	26.34	2.08	1.86	1.70	1.

Flat Actuated Standard

For quantities of 500 and up, call for

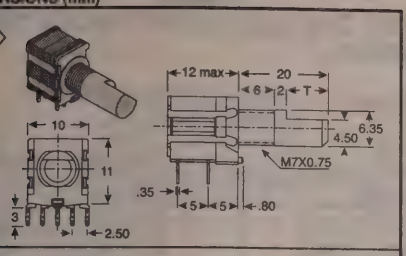
MOUSER STOCK NO.	Fig.	No. of Positions	Dim.A (mm)	Price Each 1	25	50	1
653-A6T-2102	B	2	6.02	.75	.67	.61	.
653-A6T-4102	B	4	11.10	.84	.75	.69	.
653-A6T-6102	B	6	16.18	.87	.78	.71	.
653-A6T-8102	B	8	21.26	1.23	1.10	1.01	.
653-A6T-0102	B	10	26.34	1.51	1.35	1.24	1.

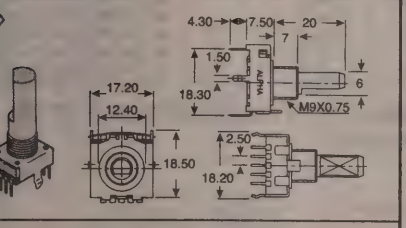
Raised Actuator

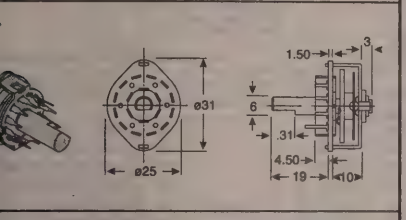
For quantities of 500 and up, call for

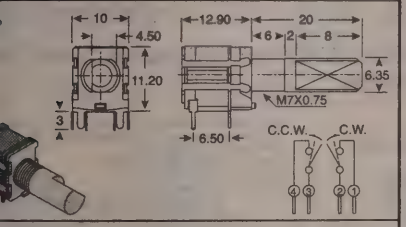
MOUSER STOCK NO.	Fig.	No. of Positions	Dim.A (mm)	Price Each 1	25	50	1
653-A6T-2104	C	2	6.02	.75	.67	.61	
653-A6T-4104	C	4	11.10	.84	.75	.69	
653-A6T-6104	C	6	16.18	.87	.78	.71	
653-A6T-8104	C	8	21.26	1.23	1.10	1.01	
653-A6T-0104	C	10	26.34	1.51	1.35	1.24	1

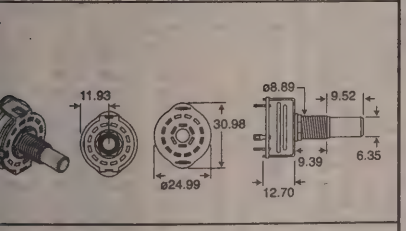
NSIONS (mm)

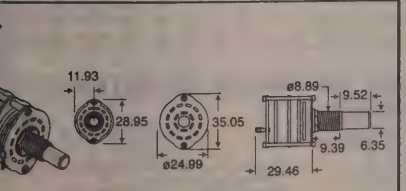


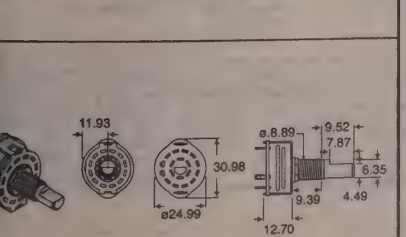












SR10010 SERIES

- Rating: 0.1A/16VDC
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 100VDC-100MΩ min.
- Dielectric Strength: 100VAC for 1 minute
- Operating Life: 10000 cycles
- Shaft Type: 1/4" D
- Timing: Non-shorting
- Termination: PC mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
105-SR10010-16NS	SR10010-0106-20F0B-C7-N	A	1	6	20mm	4.75	4.39	3.89	3.49	3.24
105-SR10010-22NS	SR10010-0202-20F0B-C7-N	A	2	2	20mm	4.75	4.39	3.89	3.49	3.24
105-SR10010-23NS	SR10010-0203-20F0B-C7-N	A	2	3	20mm	4.75	4.39	3.89	3.49	3.24
105-SR10010-24NS	SR10010-0204-20F0B-C7-N	A	2	4	20mm	4.75	4.39	3.89	3.49	3.24
105-SR10010-25NS	SR10010-0205-20F0B-C7-N	A	2	5	20mm	4.75	4.39	3.89	3.49	3.24

SR1712 SERIES

- Rating: 0.3A/16VDC
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 100VDC-100MΩ min.
- Dielectric Strength: 100VAC for 1 minute
- Operating Life: 10000 cycles
- Shaft Type: 6mm D
- Timing: Non-shorting
- Termination: PC mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
105-SR1712-16NS	SR1712-0106-20F0A-N9-9	B	1	6	20mm	3.95	3.29	2.98	2.70	2.47
105-SR1712-18NS	SR1712-0108-20F0A-N9-9	B	1	8	20mm	3.95	3.29	2.98	2.70	2.47
105-SR1712-22NS	SR1712-0202-20F0A-N9-9	B	2	2	20mm	3.95	3.29	2.98	2.70	2.47
105-SR1712-23NS	SR1712-0203-20F0A-N9-9	B	2	3	20mm	3.95	3.29	2.98	2.70	2.47
105-SR1712-24NS	SR1712-0204-20F0A-N9-9	B	2	4	20mm	3.95	3.29	2.98	2.70	2.47

SR2513 SERIES

- Rating: 0.3A/125VAC
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 500VDC-100MΩ min.
- Dielectric Strength: 500VAC for 1 minute
- Rotational Torque: 1.0 +/- 0.5Kg/cm
- Shaft Type: 6mm D
- Timing: Non-shorting
- Termination: PC mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
105-SR2513-110NS	SR2513-0110-19F0A-T-N	C	1	10	19mm	1.57	1.31	1.19	1.08	.98
105-SR2513-112NS	SR2513-0112-19F0A-T-N	C	1	12	19mm	1.57	1.31	1.19	1.08	.98
105-SR2513-24NS	SR2513-0204-19F0A-T-N	C	2	4	19mm	1.57	1.31	1.19	1.08	.98
105-SR2513-25NS	SR2513-0205-19F0A-T-N	C	2	5	19mm	1.57	1.31	1.19	1.08	.98
105-SR2513-26NS	SR2513-0206-19F0A-T-N	C	2	6	19mm	1.57	1.31	1.19	1.08	.98
105-SR2513-34NS	SR2513-0304-19F0A-T-N	C	3	4	19mm	1.57	1.31	1.19	1.08	.98
105-SR2513-43NS	SR2513-0403-19F0A-T-N	C	4	3	19mm	1.57	1.31	1.19	1.08	.98
105-SR2513-62NS	SR2513-0602-19F0A-T-N	C	6	2	19mm	1.57	1.31	1.19	1.08	.98

PULSE SWITCH

- Rating: 0.1A/16VDC
- Contact Resistance (initial performance/after lifetime): 50mΩ max./ 150mΩ max.
- Shaft Type: 1/4" D
- Termination: PC mount
- Rotational Torque: 153 +/- 71gf.cm
- Mechanical Life: 30000 cycles
- Electrical Life: 10000 cycles
- Pulse Switch Operation: C.W.: 1 & 2 on during change over C.C.W.: 3 & 4 on during change over

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Price Each				
				1	10	100	500	1000
105-SR10030-PS	SR10030-20F0B-C7	D	20mm	4.95	4.69	4.22	3.81	3.42

ALPHA ROTARY SWITCHES

- Rating: 0.3A/125VAC
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 500VDC-100MΩ min.
- Dielectric Strength: 500VAC for 1 minute
- Rotational Torque: 1.0 +/- 0.5Kg/cm

For quantities of 2000 and up, call for quote.

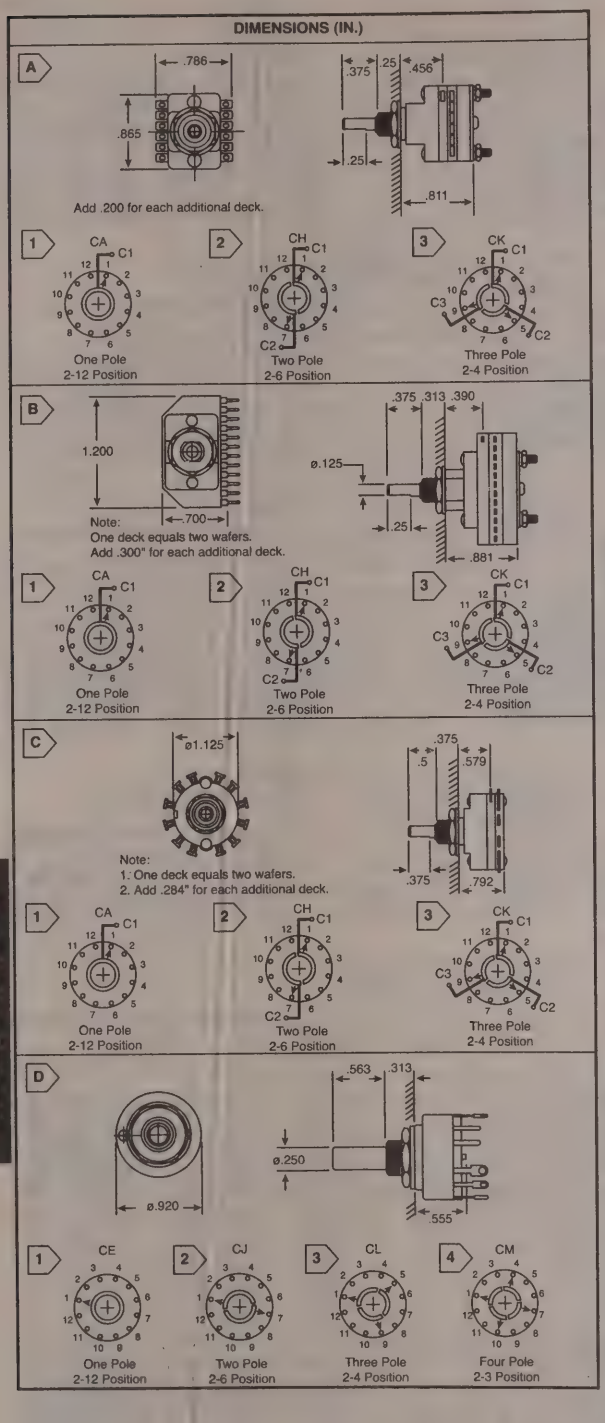
MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
Non-Shorting 1/4" Round Shaft w/Solder Terminals										
10YX025	SR2511-0205-19R0B-E9-N-W	E	2	5	19mm	1.57	1.31	1.19	1.08	.98
10YX026	SR2511-0206-19R0B-E9-N-W	E	2	6	19mm	1.57	1.31	1.19	1.08	.98
10YX034	SR2511-0304-19R0B-E9-N-W	E	3	4	19mm	1.57	1.31	1.19	1.08	.98
10YX043	SR2511-0403-19R0B-E9-N-W	E	4	3	19mm	1.57	1.31	1.19	1.08	.98
10YX062	SR2511-0602-19R0B-E9-N-W	E	6	2	19mm	1.57	1.31	1.19	1.08	.98
10YX112	SR2511-0112-19R0B-E9-N-W	E	1	12	19mm	1.57	1.31	1.19	1.08	.98
Non-Shorting 1/4" Round Shaft w/PCB Pins										
10YQ018	SR 2512-0108-19R0B-E9-N-W	E	1	8	19mm	1.57	1.31	1.19	1.08	.98
10YQ025	SR2512-0205-19R0B-E9-N-W	E	2	5	19mm	1.57	1.31	1.19	1.08	.98
10YQ026	SR2512-0206-19R0B-E9-N-W	E	2	6	19mm	1.57	1.31	1.19	1.08	.98
10YQ034	SR2512-0304-19ROB-E9-N-W	E	3	4	19mm	1.57	1.31	1.19	1.08	.98
10YQ043	SR2512-0403-19R0B-E9-N-W	E	4	3	19mm	1.57	1.31	1.19	1.08	.98
10YQ062	SR2512-0602-19R0B-E9-N-W	E	6	2	19mm	1.57	1.31	1.19	1.08	.98
10YQ110	SR2512-0110-19R0B-E9-N-W	E	1	10	19mm	1.57	1.31	1.19	1.08	.98
10YQ112	SR2512-0112-19R0B-E9-N-W	E	1	12	19mm	1.57	1.31	1.19	1.08	.98
Shorting 1/4" Round Shaft w/Solder Terminals										
10WW017	SR2511-0107-19R0B-E9-S-W	E	1	7	19mm	1.57	1.31	1.19	1.08	.98
10WW019	SR2511-0109-19R0B-E9-S-W	E	1	9	19mm	1.57	1.31	1.19	1.08	.98
10WW025	SR2511-0205-19R0B-E9-S-W	E	2	5	19mm	1.57	1.31	1.19	1.08	.98
10WW026	SR2511-0206-19R0B-E9-S-W	E	2	6	19mm	1.57	1.31	1.19	1.08	.98
10WW033	SR2511-0303-19R0B-E9-S-W	E	3	3	19mm	1.57	1.31	1.19	1.08	.98
10WW034	SR2511-0304-19R0B-E9-S-W	E	3	4	19mm	1.57	1.31	1.19	1.08	.98
10WW042	SR2511-0402-19R0B-E9-S-W	E	4	2	19mm	1.57	1.31	1.19	1.08	.98
10WW043	SR2511-0403-19R0B-E9-S-W	E	4	3	19mm	1.57	1.31	1.19	1.08	.98
10WW062	SR2511-0602-19R0B-E9-S-W	E	6	2	19mm	1.57	1.31	1.19	1.08	.98
10WW112	SR2511-0112-19R0B-E9-S-W	E	1	12	19mm	1.57	1.31	1.19	1.08	.98
10WR027	SR2921-0107-19R0B-E9-S-W	F	2	7	19mm	3.17	2.65	2.41	2.19	1.70
10WR212	SR2921-0112-19R0B-E9-S-W	F	2	12	19mm	3.17	2.65	2.41	2.19	1.70
10WR045	SR2921-0205-19R0B-E9-S-W	F	4	5	19mm	3.17	2.65	2.41	2.19	1.70
10WR046	SR2921-0206-19R0B-E9-S-W	F	4	6	19mm	3.17	2.65	2.41	2.19	1.70
10WR064	SR2921-0304-19R0B-E9-S-W	F	6	4	19mm	3.17	2.65	2.41	2.19	1.70
Non-Shorting 1/4" D-Shaft w/Solder Terminals										
10YD025	SR2511-0205-19F0B-E9-N-W	G	2	5	19mm	1.67	1.40	1.28	1.17	1.04
10YD026	SR2511-0206-19F0B-E9-N-W	G	2	6	19mm	1.67	1.40	1.28	1.17	1.04
10YD034	SR2511-0304-19F0B-E9-N-W	G	3	4	19mm	1.67	1.40	1.28	1.17	1.04
10YD043	SR2511-0403-19F0B-E9-N-W	G	4	3	19mm	1.67	1.40	1.28	1.17	1.04
10YD062	SR2511-0602-19F0B-E9-N-W	G	6	2	19mm	1.67	1.40	1.28	1.17	1.04
10YD112	SR2511-0112-19F0B-E9-N-W	G	1	12	19mm	1.67	1.40	1.28	1.17	1.04

acement Hardware

ary switches are supplied with one nut and one washer. See re section for more hardware.

For quantities of 10,000 and up, call for quote.

OUSER OCK NO.	Type	Size (mm)	Price Each	
			100	1000
009	Nut	9	.027	.025
/009	Washer	9	.013	.011



ELECTROSWITCH C1 SERIES: .865" WIDE ADJUSTABLE STOP ENCLOSED ROTARY SWITCHES

Specifications:
- Shaft diameter: .125"
- Current and Voltage Rating: .25A @28VDC; 0.1A @125VAC
- Current carrying capacity: 6A
- Dielectric Strength: 600VAC
- Insulation Material: Diallyl phthalate
- Terminals and contacts: Brass with silver plate
- Index: Dual-ball, hill and valley
- Termination: Solder lug
- Non-shorting
- Stops set at 2 pos.

For quantities of 100 and up, call for qu

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each 1	10	25	5
690-C1D0112N-A	C1D0112N-A	A1	01	02-12	1	1	30°	15.05	13.76	12.90	12
690-C1D0206N-A	C1D0206N-A	A2	02	02-06	2	1	30°	15.05	13.76	12.90	12
690-C1D0304N-A	C1D0304N-A	A3	03	02-04	3	1	30°	15.05	13.76	12.90	12
690-C1D0212N-A	C1D0212N-A	A1	02	02-12	1	2	30°	18.03	16.48	15.45	14
690-C1D0406N-A	C1D0406N-A	A2	04	02-06	2	2	30°	18.03	16.48	15.45	14
690-C1D0604N-A	C1D0604N-A	A3	06	02-04	3	2	30°	18.03	16.48	15.45	14

ELECTROSWITCH C3 SERIES: 1.2" WIDE ADJUSTABLE STOP ENCLOSED ROTARY SWITCHES

Specifications:
- Shaft diameter: .125"
- Current and Voltage Rating: .25A @28VDC; 0.1A @125VAC
- Current carrying capacity: 6A
- Insulation Material: Polyester
- Terminals and contacts: Brass with silver plate
- Termination: PC terminals
- Index: Dual-ball, hill and valley
- Non-shorting
- 12 pin construction
- Stops set at 2 pos.

For quantities of 100 and up, call for qu

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each 1	10	25	5
690-C3P0112N-A	C3P0112N-A	B1	01	02-12	1	1	30°	15.05	13.76	12.90	12
690-C3P0206N-A	C3P0206N-A	B2	02	02-06	2	1	30°	15.05	13.76	12.90	12
690-C3P0304N-A	C3P0304N-A	B3	03	02-04	3	1	30°	15.05	13.76	12.90	12
690-C3P0212N-A	C3P0212N-A	B1	02	02-12	1	2	30°	18.03	16.48	15.45	14
690-C3P0406N-A	C3P0406N-A	B2	04	02-06	2	2	30°	18.03	16.48	15.45	14
690-C3P0604N-A	C3P0604N-A	B3	06	02-04	3	2	30°	18.03	16.48	15.45	14

ELECTROSWITCH C4 SERIES: 1.5" DIAMETER ADJUSTABLE ST ENCLOSED ROTARY SWITCHES

Specifications:
- Shaft diameter: .250"
- Current and Voltage Rating: .5A @28VDC; 0.3A @125VAC
- Current carrying capacity: 15A
- Dielectric Strength: 1000VAC
- Insulation Material: Diallyl phthalate
- IP67 versions available. Please contact Mouser sale
- Terminals and contacts: Brass with silver plate
- Termination: Solder lug
- Index: Dual-ball, hill and valley
- Non-shorting
- Stops set at 2 pos.

For quantities of 100 and up, call for qu

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each 1	10	25	5
690-C4D0112N-A	C4D0112N-A	C1	01	02-12	1	1	30°	9.80	8.96	8.40	7
690-C4D0206N-A	C4D0206N-A	C2	02	02-06	2	1	30°	9.80	8.96	8.40	7
690-C4D0304N-A	C4D0304N-A	C3	03	02-04	3	1	30°	13.48	12.32	11.55	10
690-C4D0212N-A	C4D0212N-A	C1	02	02-12	1	2	30°	12.60	11.52	10.80	10
690-C4D0406N-A	C4D0406N-A	C2	04	02-06	2	2	30°	12.60	11.52	10.80	10
690-C4D0604N-A	C4D0604N-A	C3	06	02-04	3	2	30°	12.60	11.52	10.80	10
690-C4D0312N-A	C4D0312N-A	C1	03	02-12	1	3	30°	14.88	13.60	12.75	11
690-C4D0606N-A	C4D0606N-A	C2	06	02-06	2	3	30°	19.43	17.76	16.65	15
690-C4D0904N-A	C4D0904N-A	C3	09	02-04	3	3	30°	19.43	17.76	16.65	15
690-C4D0412N-A	C4D0412N-A	C1	04	02-12	1	4	30°	22.40	20.48	19.20	17
690-C4D0806N-A	C4D0806N-A	C2	08	02-06	2	4	30°	22.40	20.48	19.20	17
690-C4D1204N-A	C4D1204N-A	C3	12	02-04	3	4	30°	22.40	20.48	19.20	17

ELECTROSWITCH C5 SERIES: .92" SEALED ADJUSTABLE STO ENCLOSED ROTARY SWITCHES

Specifications:
- Internal and external seals for washability
- Shaft diameter: .250"
- Current and Voltage Rating: 1A @28VDC; 1A @125VAC
- Current carrying capacity: 5A
- Insulation Material: Polyester
- Terminals and contacts: Brass with silver plate
- Termination: Solder lug
- Index: Molded live spring detent
- Non-shorting
- Stops set at 2 pos.

For quantities of 100 and up, call for q

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Sections	No. of Sections	Index Angle	Price Each 1	10	25
690-C5P0112N-A	C5P0112N-A	D1	01	02-12	1	1	30°	5.25	4.80	4.50
690-C5P0206N-A	C5P0206N-A	D2	02	02-06	2	1	30°	5.60	5.12	4.80
690-C5P0304N-A	C5P0304N-A	D3	03	02-04	3	1	30°	7.70	7.04	6.60
690-C5P0403N-A	C5P0403N-A	D4	04	02-03	4	1	30°	6.30	5.76	5.40

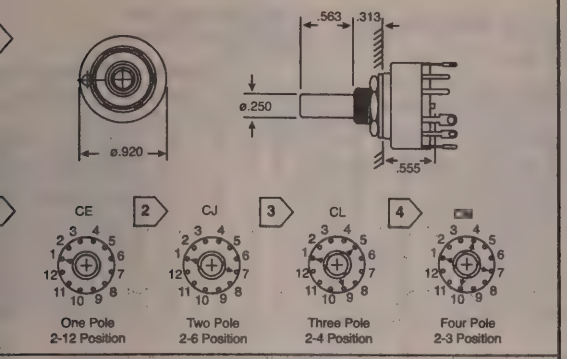
ELECTROSWITCH KNOBS

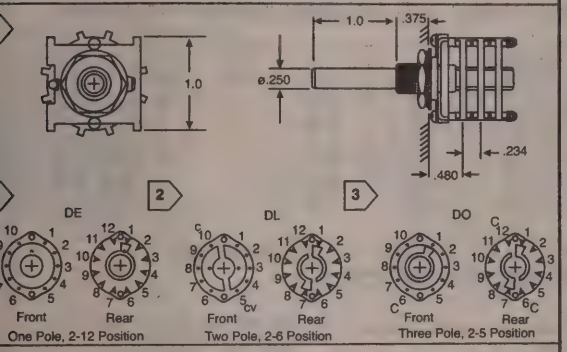
For quantities of 100 and up, call for q

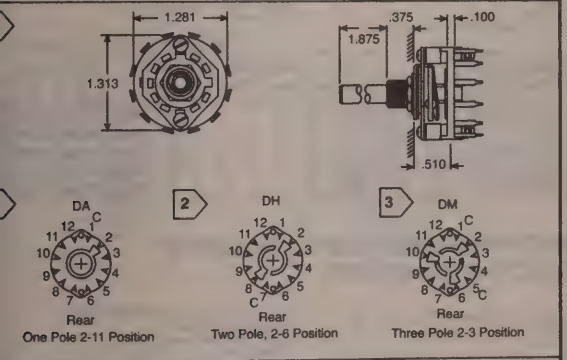
MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Description	Price Each 1	10	25
690-1400R	1400R	E	Pointer knob w/set screw	2.10	1.92	1.80
690-1910DG	1910DG	F	Inner knob w/ skirt and spun silver color cap	3.33	3.04	2.85
690-1202BJ	1202BJ	G	Round knob w/ spun silver cap, set screw	5.25	4.80	4.50
690-1930BP	1930BP	H	Large round knob w/ skirt, set screw	4.11	3.76	3.53
690-1914N	1914N	I	Round knob w/ brass insert, set screw	6.13	5.60	5.25
690-2300	2300	J	Pointer knob w/ set screw	1.75	1.60	1.50

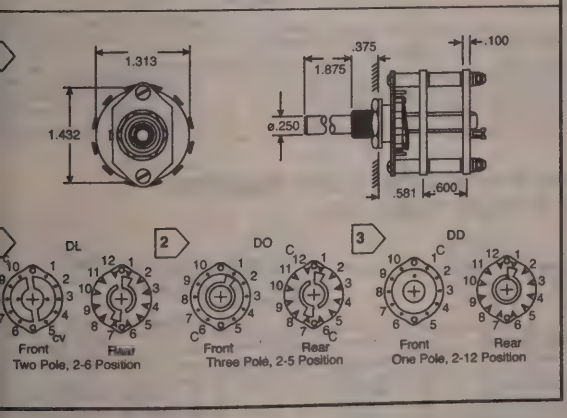
ELECTROSWITCH
•ELECTRONIC PRODUCTS
UNIT OF ELECTRO SWITCH CORP

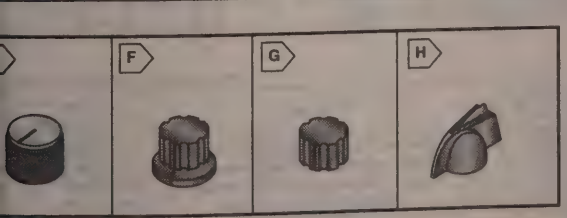
DIMENSIONS (IN.)











ELECTROSWITCH C6 SERIES: .92" UNSEALED ADJUSTABLE STOP ENCLOSED ROTARY SWITCHES

Specifications:
- Shaft diameter: .250"
- Current and Voltage Rating: 1A @28VDC; 1A @125VAC
- Current carrying capacity: 5A
- Dielectric Strength: 1000VAC
- Insulation Material: Polyester
- Terminals and contacts: Brass with silver plate
- Termination: Solder lug
- Index: Molded live spring detent
- Non-shorting
- Stops set at 2 pos.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each 1	10	25	50
690-C6P0112N-A	C6P0112N-A	A1	01	02-12	1	1	30°	5.08	4.64	4.35	4.06
690-C6P0206N-A	C6P0206N-A	A2	02	02-06	2	1	30°	5.60	5.12	4.80	4.48
690-C6P0304N-A	C6P0304N-A	A3	03	02-04	3	1	30°	7.53	6.88	6.45	6.02
690-C6P0403N-A	C6P0403N-A	A4	04	02-03	4	1	30°	8.23	7.52	7.05	6.58

ELECTROSWITCH D2 SERIES: 1" DIAMETER OPEN FRAME ROTARY SWITCHES

Specifications:
- Shaft diameter: .250"
- Current and Voltage Rating: .55A @28VDC; .25A @115VAC
- Current carrying capacity: 7A
- Dielectric Strength: 750VAC
- Insulation Material: Diallyl phthalate
- Clips and rotors: Brass with silver plate
- Termination: Solder lug
- Index: Dual-ball, side thrust design
- Non-shorting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each 1	10	25	50
690-D2D0112N	D2D0112N	B1	01	02-12	1	1	30°	25.55	23.36	21.90	20.44
690-D2D0206N	D2D0206N	B2	02	02-06	2	1	30°	25.55	23.36	21.90	20.44
690-D2D0305N	D2D0305N	B3	03	02-05	3	1	30°	25.55	23.36	21.90	20.44
690-D2D0406N	D2D0406N	B2	04	02-06	2	2	30°	34.13	31.20	29.25	27.30
690-D2D0605N	D2D0605N	B3	06	02-05	3	2	30°	34.13	31.20	29.25	27.30

ELECTROSWITCH SECTION ASSEMBLIES FOR D2 SERIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Poles	No. of Positions	Poles/ Sections	Index Angle	Price Each 1	10	25	50
690-D2D-51	D2D-51	01	02-12	1	30°	8.23	7.52	7.05	6.58
690-D2D-53	D2D-53	02	02-06	2	30°	12.08	11.04	10.35	9.66
690-D2D-55	D2D-55	03	02-05	3	30°	13.48	12.32	11.55	10.78

ELECTROSWITCH D3 SERIES: 1 5/16" DIAMETER OPEN FRAME ROTARY SWITCHES

Specifications:
- Shaft diameter: .250"
- Current and Voltage Rating: 2.6A @28VDC; .25A @115VAC
- Current carrying capacity: 9A
- Dielectric Strength: 1000VAC
- Insulation Material: Ceramic
- Clips and rotors: Silver alloy
- Termination: Solder lug
- Index: Single-ball, hill and valley
- Non-shorting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each 1	10	25	50
690-D3C0111N	D3C0111N	C1	01	02-11	1	1	30°	41.65	38.08	35.70	33.32
690-D3C0205N	D3C0205N	C2	02	02-05	2	1	30°	41.65	38.08	35.70	33.32
690-D3C0303N	D3C0303N	C3	03	02-03	3	1	30°	41.65	38.08	35.70	33.32
690-D3C0211N	D3C0211N	C1	02	02-11	1	2	30°	71.05	64.96	60.90	56.84
690-D3C0405N	D3C0405N	C2	04	02-05	2	2	30°	71.05	64.96	60.90	56.84

ELECTROSWITCH D4 SERIES: 1.437" DIAMETER CERAMIC OPEN FRAME ROTARY SWITCHES

Specifications:
- Shaft diameter: .250"
- Current and Voltage Rating: 2.6A @28VDC; .25A @115VAC
- Current carrying capacity: 9A
- Dielectric Strength: 1000VAC
- Insulation Material: Ceramic
- Clips and rotors: Silver alloy
- Termination: Solder lug
- Index: Single-ball, hill and valley
- Non-shorting

For quantities of 100 and up, call for quote.

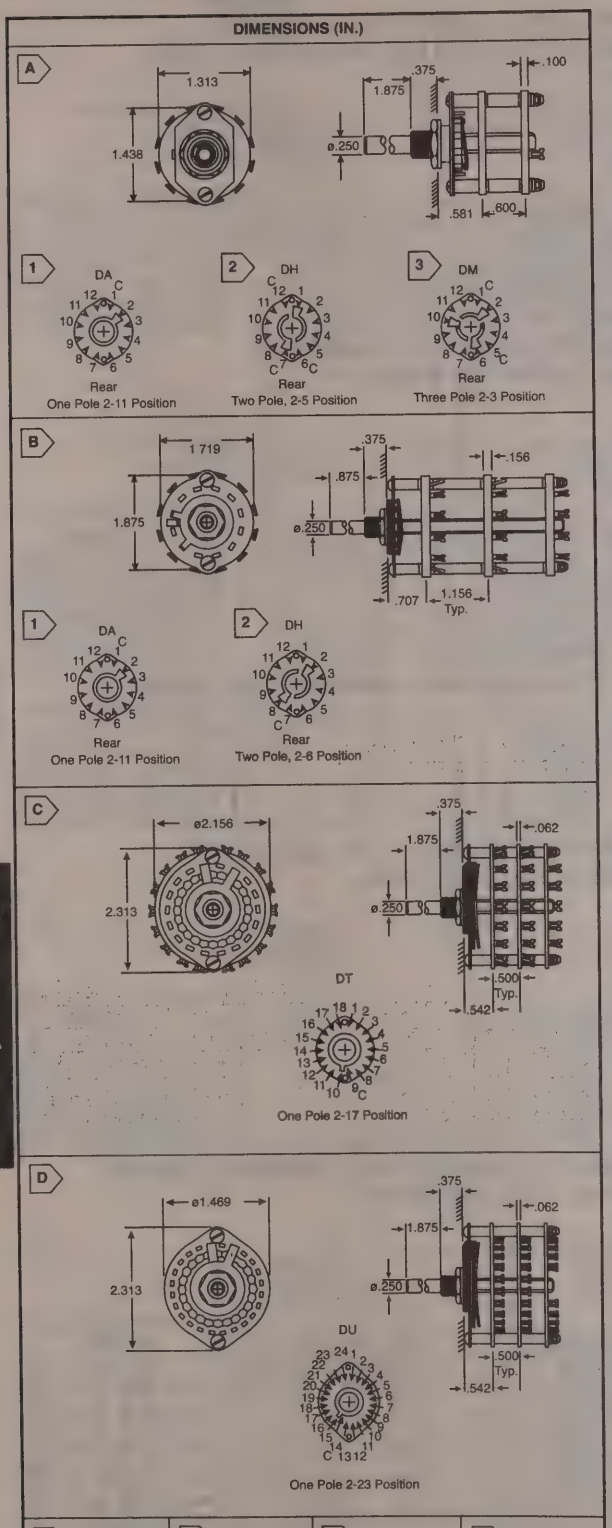
MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each 1	10	25	50
690-D4C0112N	D4C0112N	D3	01	02-12	1	1	30°	28.53	26.08	24.45	22.82
690-D4C0206N	D4C0206N	D1	02	02-06	2	1	30°	28.53	26.08	24.45	22.82
690-D4C0212N	D4C0212N	D3	02	02-12	1	2	30°	55.30	50.56	47.40	44.24
690-D4C0605N	D4C0605N	D2	06	02-05	3	2	30°	55.30	50.56	47.40	44.24
690-D4C0312N	D4C0312N	D3	03	02-12	1	3	30°	75.78	69.28	64.95	60.62
690-D4C0606N	D4C0606N	D1	06	02-06	2	3	30°	74.03	67.68	63.45	59.22
690-D4C0412N	D4C0412N	D3	04	02-12	1	4	30°	96.25	88.00	82.50	77.00
690-D4C0612N	D4C0612N	D3	06	02-12	1	6	30°	136.50	124.80	117.00	109.20

ELECTROSWITCH KNOBS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Description	Price Each 1	10	25	50
690-1202BJ	1202BJ	E	Round knob w/ spun silver cap, set screw	5.25	4.80	4.50	4.20
690-1930BP	1930BP	F	Large round knob w/ skirt, set screw	4.11	3.76	3.53	3.29
690-1914N	1914N	G	Round knob w/ brass insert, set screw	6.13	5.60	5.25	4.90
690-2300	2300	H	Pointer knob w/ set screw	1.75	1.60	1.50	1.40

ELECTROSWITCH
•ELECTRONIC PRODUCTS
UNIT OF ELECTRO SWITCH CORP.



ELECTROSWITCH D4 SERIES: 1.437" DIAMETER GLASS EPOXY OPEN FRAME ROTARY SWITCHES

Specifications:
- Shaft diameter: .250"
- Current and Voltage Rating: 2.6A @28VDC; .25A @115VAC
- Current carrying capacity: 9A
- Dielectric Strength: 1000VAC
- Insulation Material: Glass epoxy
- Clips and rotors: Silver alloy
- Termination: Solder lug
- Index: Single-ball, hill and valley
- Non-shorting

For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each 1	10	25	50
690-D4G0111N	D4G0111N	A1	01	02-11	1	1	30°	18.90	17.28	16.20	15.12
690-D4G0205N	D4G0205N	A2	02	02-05	2	1	30°	18.90	17.28	16.20	15.12
690-D4G0303N	D4G0303N	A3	03	02-03	3	1	30°	18.90	17.28	16.20	15.12
690-D4G0211N	D4G0211N	A1	02	02-11	1	2	30°	25.55	23.36	21.90	20.44
690-D4G0405N	D4G0405N	A2	04	02-05	2	2	30°	25.55	23.36	21.90	20.44
690-D4G0603N	D4G0603N	A3	06	02-03	3	2	30°	31.85	29.12	27.30	25.48
690-D4G0311N	D4G0311N	A1	03	02-11	1	3	30°	32.20	29.44	27.60	25.76
690-D4G0605N	D4G0605N	A2	06	02-05	2	3	30°	40.08	36.64	34.35	32.06
690-D4G0411N	D4G0411N	A1	04	02-11	1	4	30°	38.68	35.36	33.15	30.94
690-D4G0511N	D4G0511N	A1	05	02-11	1	5	30°	56.70	51.84	48.60	45.36

ELECTROSWITCH SECTION ASSEMBLIES FOR D4 SERIES

For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Electroswitch Part No.	Poles	No. of Positions	Poles/ Sections	Index Angle	Price Each 1	10	25	50
690-D4C-1	D4C-1	01	02-12	1	30°	22.40	20.48	19.20	17.9
690-D4C-3	D4C-3	02	02-06	2	30°	23.80	21.76	20.40	19.0
690-D4C-5	D4C-5	03	02-05	3	30°	31.85	29.12	27.30	25.4
690-D4G-31	D4G-31	01	02-11	1	30°	8.93	8.16	7.65	7.1
690-D4G-33	D4G-33	02	02-05	2	30°	9.80	8.96	8.40	7.8
690-D4G-35	D4G-35	03	02-03	3	30°	13.48	12.32	11.55	10.7

ELECTROSWITCH D7 SERIES: 1 7/8" DIAMETER OPEN FRAME ROTARY SWITCHES

Specifications:
- Shaft diameter: .250"
- Current and Voltage Rating: 2.25A @28VDC; 1A @115VAC
- Current carrying capacity: 9A
- Dielectric Strength: 1500VAC
- Insulation material: D7C - Ceramic; D7G - Glass epoxy
- Clips and rotors: Brass with silver plate
- Termination: Solder lug
- Index: Dual-ball, hill and valley
- Non-shorting

For quantities of 100 and up, call for quot

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each 1	10	25	50
690-D7C0111N	D7C0111N	B1	01	02-11	1	1	30°	29.93	27.36	25.65	23.9
690-D7C0211N	D7C0211N	B1	02	02-11	1	2	30°	59.33	54.24	50.85	47.4
690-D7C0405N	D7C0405N	B2	04	02-05	2	2	30°	47.60	43.52	40.80	38.0
690-D7C0605N	D7C0605N	B2	06	02-05	2	3	30°	65.63	60.00	56.25	52.5
690-D7G0111N	D7G0111N	B1	01	02-11	1	1	30°	22.40	20.48	19.20	17.9

ELECTROSWITCH D8 SERIES: 2 5/16" DIAMETER OPEN FRAME ROTARY SWITCHES

Specifications:
- Shaft diameter: .250"
- Current and Voltage Rating: 2.25A @28VDC; 1A @115VAC
- Current carrying capacity: 9A
- Dielectric Strength: 1000VAC
- Insulation Material: Glass epoxy
- Clips and rotors: Brass with silver plate
- Termination: Solder lug
- Index: Dual-ball, hill and valley
- Non-shorting

For quantities of 100 and up, call for quot

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each 1	10	25	50
690-D8G0117N	D8G0117N	C	01	02-17	1	1	20°	30.28	27.68	25.95	24.2
690-D8G0217N	D8G0217N	C	02	02-17	1	2	20°	56.53	51.68	48.45	45.2
690-D8G0417N	D8G0417N	C	04	02-17	1	4	20°	94.15	86.08	80.70	75.3

ELECTROSWITCH D9 SERIES: 2 5/16" DIAMETER OPEN FRAME ROTARY SWITCHES

Specifications:
- Shaft diameter: .250"
- Current and Voltage Rating: 1.5A @ 28VDC; .25A @ 115VAC
- Current carrying capacity: 9A
- Dielectric Strength: 1000VAC
- Insulation Material: Glass epoxy
- Clips and rotors: Brass with silver plate
- Termination: Solder lug
- Index: Dual-ball, hill and valley
- Non-shorting

For quantities of 100 and up, call for quot

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each 1	10	25	50
690-D9G0123N	D9G0123N	D	01	02-23	1	1	15°	37.45	34.24	32.10	29.9
690-D9G0223N	D9G0223N	D	02	02-23	1	2	15°	56.00	51.20	48.00	44.8
690-D9G0423N	D9G0423N	D	04	02-23	1	4	15°	93.28	85.28	79.95	74.6

KNOBS

For quantities of 100 and up, call for quot

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Description	Price Each 1	10	25	50
690-1202BJ	1202BJ	E	Round knob w/ spun silver cap, set screw	5.25	4.80	4.50	4.2
690-1930BP	1930BP	F	Large round knob w/ skirt, set screw	4.11	3.76	3.53	3.2
690-1914N	1914N	G	Round knob w/ brass insert, set screw	6.13	5.60	5.25	4.9
690-2300	2300	H	Pointer knob w/ set screw	1.75	1.60	1.50	1.4

MOUSER ELECTRONICS
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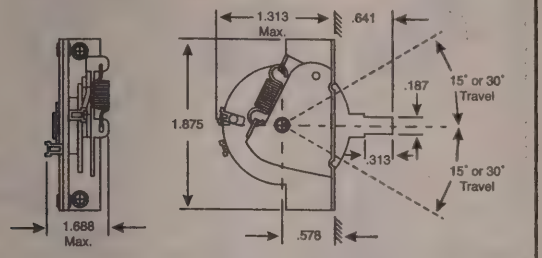
ELECTROSWITCH Lever and Rotary Switches

ELECTROSWITCH ELECTRONIC PRODUCTS

DIMENSIONS (IN)

A



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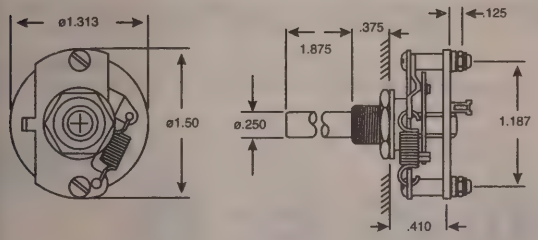

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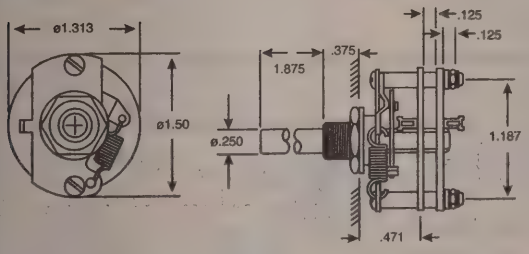

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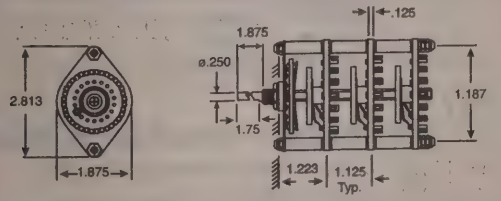

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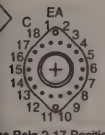
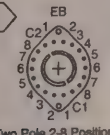


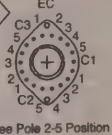
One Pole 2-17 Position

2 EB



Two Pole 2-8 Position

3 EC



Three Pole 2-5 Position

E

F

G

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K

ELECTROSWITCH E2 SERIES: LEVER ACTION ROTARY SWITCHES

Specifications:

- Current and Voltage Rating: 1.5A @ 28VDC; 0.5A @ 115VAC
- Dielectric Strength: 1,000VAC
- Insulation Material: Glass epoxy
- Fixed stops
- Clips and Rotors: Brass with silver plate
- Index: Cam and roller with coil spring
- Termination: Solder Lug
- Index angles: Positive 30°, 15° and spring return
- Non-shorting

Spring return explanations (index angle)

1	Positive index one side to center, spring return opposite side to center
2	Positive index both sides of center
3	Spring return both sides to center
4	Spring return to center
5	Positive index

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Section	No. of Sections	Index Angle	Price Each 1	10	25	50
690-E2G0203N-1	E2G0203N-1	A	02	03	2	1	1	18.03	16.48	15.45	14.42
690-E2G0203N	E2G0203N	A	02	03	2	1	2	18.03	16.48	15.45	14.42
690-E2G0203N-2	E2G0203N-2	A	02	03	2	1	3	18.03	16.48	15.45	14.42
690-E2G0402N-3	E2G0402N-3	A	04	02	4	1	4	19.95	18.24	17.10	15.96
690-E2G0402N	E2G0402N	A	04	02	4	1	5	19.95	18.24	17.10	15.96

ELECTROSWITCH E3 SERIES: 1 1/2" DIAMETER OPEN FRAME ROTARY SWITCHES

Specifications:

- Shaft diameter: .250"
- Current and Voltage Rating: 1.5A @28VDC; 0.5A @115VAC
- Dielectric Strength: 1,500VAC
- Contact Resistance: 3.5 milli Ohms (initially)
- Insulation Resistance: 750,000 megohms
- Insulation Material: Glass epoxy
- Clips and Rotors: Brass with silver plate
- Contact Type: Non-shorting
- Termination: Solder Lug
- Standard construction consists of a 30 degree index.

Spring return explanations (index angle)

1	Spring return from clockwise
2	Spring return both sides to center
3	Spring return clockwise to center, positive index counter clockwise of center

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Section	No. of Sections	Index Angle	Price Each 1	10	25	50
690-E3G0402N-1	E3G0402N-1	B	04	02	4	1	1	23.80	21.76	20.40	19.04
690-E3G0603N-2	E3G0603N-2	C	06	03	3	2	2	32.90	30.08	28.20	26.32
690-E3G0603N-3	E3G0603N-3	C	06	03	3	2	3	32.90	30.08	28.20	26.32

ELECTROSWITCH E4 SERIES: 2 13/16" OPEN FRAME ROTARY SWITCHES

Specifications:

- Shaft Diameter: .250"
- Current and Voltage Rating: 11A @28VDC; 9A @115VAC
- Dielectric Strength: 3,000VAC
- Insulation Material: Ceramic
- Contact and Collector Rings: Coin silver
- Contact Type: Non-shorting
- Termination: Solder Lug
- Standard construction consists of a 20 degree index.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Section	No. of Sections	Price Each 1	5	10	25
690-E4C0117N	E4C0117N	D1	01	02-17	1	1	129.33	118.24	110.85	103.46
690-E4C0208N	E4C0208N	D2	02	02-08	2	1	129.33	118.24	110.85	103.46
690-E4C0305N	E4C0305N	D3	03	02-05	3	1	129.33	118.24	110.85	103.46
690-E4C0217N	E4C0217N	D1	02	02-17	1	2	239.58	219.04	205.35	191.66
690-E4C0605N	E4C0605N	D3	06	02-05	3	2	239.58	219.04	205.35	191.66

ELECTROSWITCH KNOBS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Description	Price Each 1	10	25	50
690-5149A	5149A	E	Oval knob push on design, black	1.31	1.20	1.13	1.05
690-SSKW	SSKW	F	Switch tip push on design, white	1.31	1.20	1.13	1.05
690-SSKB	SSKB	G	Switch tip push on design, black	1.31	1.20	1.13	1.05
690-1202BJ	1202BJ	H	Round knob w/ spun silver cap, set screw	5.25	4.80	4.50	4.20
690-1930BP	1930BP	I	Large round knob w/ skirt, set screw	4.11	3.76	3.53	3.29
690-1914N	1914N	J	Round knob w/ brass insert, set screw	6.13	5.60	5.25	4.90
690-2300	2300	K	Pointer knob w/ set screw	1.75	1.60	1.50	1.40

Mouser can support your custom rotary switch needs with a 2 week lead-time from Electroswitch.
Call Mouser for items not listed.

SUB-MINIATURE ROTARY SWITCHES

For quantities of 10,000 and up, call for quote.

Price Each						
1	10	100	500	1000	2000	5000
4.72	3.93	3.57	3.25	2.92	2.63	2.37

Features:

- Molded 9.2mm diameter TO-5 rotary switch
- 45° indexing, positive action
- 1 pole up to 7 break-before make positions + off
- 6.4mm mounted height above printed circuit board
- Screwdriver operating slot flush with top of housing
- Also available with 7.75mm long x 3.58mm diameter spindle with full length flat and screwdriver slot

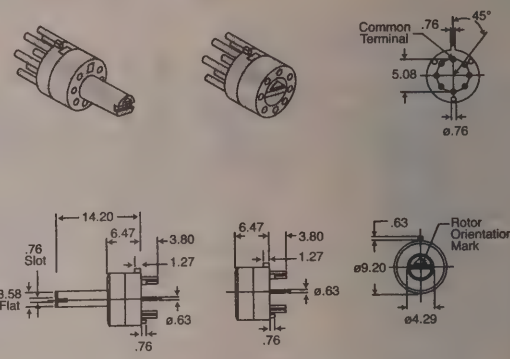
Specifications:

- Current & voltage ratings: 10mA /1V; 500mA/125VAC resistive load
- Dielectric strength: 500V 60 Hz
- Contact resistance: 500mA, 50mΩ max. initial. 100mΩ max. after operating life
- Insulation resistance: 50,000MΩ min. @ 100V
- Life: 2,500 cycles
- Common ring terminal: Phosphor bronze, hard gold plate over nickel plate
- Selected terminals: Copper alloy, hard gold plate over nickel plate

"Off" in extreme anti-clockwise position

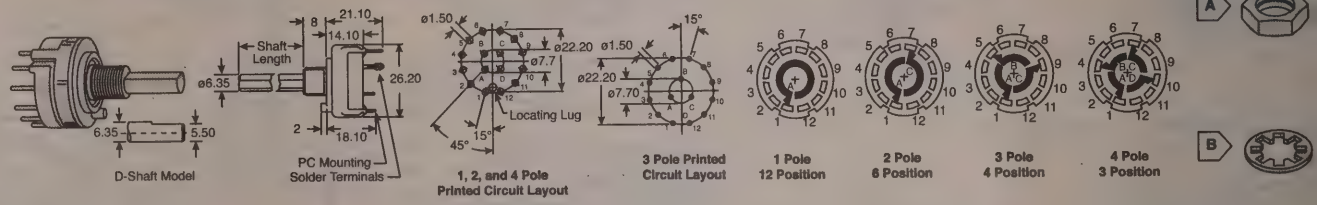
MOUSER STOCK NO.	Lorlin Part No.	MOUSER STOCK NO.	Lorlin Part No.	Travel	Pos.
Flush Slot		Spindle			
10MT111	MT-11-10	10MT211	MT-21-10	360°	8
10MT118	MT-11-80	10MT218	MT-21-80	315°	8
10MT117	MT-11-70	10MT217	MT-21-70	270°	7
10MT116	MT-11-60	10MT216	MT-21-60	225°	6
10MT115	MT-11-50	10MT215	MT-21-50	180°	5
10MT114	MT-11-40	10MT214	MT-21-40	135°	4
10MT113	MT-11-30	10MT213	MT-21-30	90°	3
10MT112	MT-11-20	10MT212	MT-21-20	45°	2

DIMENSIONS (mm.)



LORLIN FULLY ENCLOSED ADJUSTABLE ROTARY SWITCHES

DIMENSIONS (mm



Features:

- Fully enclosed contacts
- Glass filled nylon
- Nylon design provides maximum shock hazard protection.

Specifications:

- Dielectric strength: 1000VRMS
- Contact resistance: less than 50mΩ max.
- Index angle: 30°
- Contact life: over 10,000 operations
- Rating: .15A/250VAC or DC
- Contact material: silver plated brass

For quantities of 10,000 and up, call for quote.

Price Each						
1	10	100	500	1000	2000	5000
3.17	2.64	2.40	2.18	1.96	1.76	1.59

Shorting 6.35mm (1/4") D-Shaft

(Make-Before-Brake)

MOUSER STOCK NO.	Lorlin Part No.	Poles	Positions (User Selectable)	Shaft Length (In.)	Shaft Length (mm.)
Solder Terminals					
10WA324	CK1034	1	2 - 12	1 3/16	30.0
10WA325	CK1035	2	2 - 6	1 3/16	30.0
10WA364	CK1454	1	2 - 12	1/2	12.7
10WA365	CK1455	2	2 - 6	1/2	12.7
10WA366	CK1456	3	2 - 4	1/2	12.7
10WA367	CK1457	4	2 - 3	1/2	12.7
10WA354	CK2393	1	2 - 12	3/8	9.5
10WA355	CK2441	2	2 - 6	3/8	9.5
10WA356	CK2818	3	2 - 4	3/8	9.5
PC Terminals					
10WA344	CK1054	1	2 - 12	1 3/16	30.0
10WA345	CK1055	2	2 - 6	1 3/16	30.0
10WA346	CK1056	3	2 - 4	1 3/16	30.0
10WA347	CK1057	4	2 - 3	1 3/16	30.0

Shorting 6.35mm (1/4") Round Shaft

(Make-Before-Brake)

MOUSER STOCK NO.	Lorlin Part No.	Poles	Positions (User Selectable)	Shaft Length (In.)	Shaft Length (mm.)
Solder Terminals					
105-13571	CK1589	1	2 - 12	3/8	9.5
105-13572	CK1590	2	2 - 6	3/8	9.5
105-13573	CK1591	3	2 - 4	3/8	9.5
105-13574	CK1592	4	2 - 3	3/8	9.5

Non-Shorting 6.35mm (1/4") D-Shaft

(Break-Before-Make)

MOUSER STOCK NO.	Lorlin Part No.	Poles	Positions (User Selectable)	Shaft Length (In.)	Shaft Length (mm.)
Solder Terminals					
10WA124	CK1024	1	2 - 12	1 3/16	30.0
10WA125	CK1025	2	2 - 6	1 3/16	30.0
10WA126	CK1026	3	2 - 4	1 3/16	30.0
10WA127	CK1027	4	2 - 3	1 3/16	30.0
10WA164	CK1450	1	2 - 12	1/2	12.7
10WA165	CK1451	2	2 - 6	1/2	12.7
10WA166	CK1452	3	2 - 4	1/2	12.7
10WA167	CK1453	4	2 - 3	1/2	12.7
10WA154	CK2425	1	2 - 12	3/8	9.5
10WA155	CK2394	2	2 - 6	3/8	9.5
10WA156	CK2395	3	2 - 4	3/8	9.5
10WA157	CK2396	4	2 - 3	3/8	9.5
PC Terminals					
10WA144	CK1044	1	2 - 12	1 3/16	30.0
10WA145	CK1045	2	2 - 6	1 3/16	30.0
10WA146	CK1046	3	2 - 4	1 3/16	30.0
10WA147	CK1047	4	2 - 3	1 3/16	30.0
10WA134	CK2376	1	2 - 12	1/2	12.7
10WA135	CK2377	2	2 - 6	1/2	12.7
10WA136	CK2378	3	2 - 4	1/2	12.7
10WA137	CK2379	4	2 - 3	1/2	12.7
10WA174	CK2372	1	2 - 12	3/8	9.5
10WA175	CK2373	2	2 - 6	3/8	9.5
10WA176	CK2374	3	2 - 4	3/8	9.5
10WA177	CK2375	4	2 - 3	3/8	9.5

Non-Shorting 6.35mm (1/4") Round Shaft

(Break-Before-Make)

MOUSER STOCK NO.	Lorlin Part No.	Poles	Positions (User Selectable)	Shaft Length (In.)	Shaft Length (mm.)
Solder Terminals					
105-14571	CK1458	1	2 - 12	3/8	9.5
105-14572	CK1459	2	2 - 6	3/8	9.5
105-14573	CK1460	3	2 - 4	3/8	9.5
105-14574	CK1461	4	2 - 3	3/8	9.5
PC Terminals					
105-2454	CK2368	1	2 - 12	3/8	9.5
105-2455	CK2369	2	2 - 6	3/8	9.5
105-2456	CK1270	3	2 - 4	3/8	9.5
105-2457	CK2371	4	2 - 3	3/8	9.5

LORLIN CONTINUOUS ROTATION

Non-Shorting 6.35mm (1/4") D-Shaft

(Break-Before-Make)

MOUSER STOCK NO.	Lorlin Part No.	Poles	Positions	Shaft Length (In.)	Shaft Length (mm.)
Solder Terminals					
10WC204	CK2403	1	12	3/8	9.5
10WC205	CK2407	2	6	3/8	9.5
10WC224	CK2401	1	12	1/2	12.7
10WC225	CK2405	2	6	1/2	12.7
10WC244	CK1023	1	12	1 3/16	30.0
PC Terminals					
10WC404	CK2404	1	12	3/8	9.5
10WC405	CK2408	2	6	3/8	9.5
10WC444	CK1043	1	12	1 3/16	30.0

LORLIN REPLACEMENT HARDWAR

MOUSER STOCK NO.	Fig.	Size (mm)	Price Each		
			100	1000	10,0
481-0095	A	M9.5 x .75	.24	.21	.16
481-0680	B	10	.056	.050	.03

MOUSER ELECTRONICS a tti company

KK MR SERIES: HALF-INCH WASHABLE ROTARY SWITCHES

wer rating: 125VAC for MRA, MRX, & MRY; 28VAC for MRF & MRK
aft actuated switches are supplied with knob and mounting hardware

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Poles and Circuits	Power Rating	Price Each 1	25	50	50
aft Actuated w/ PC Terminals								
-MRA112A	MRA112-A	A	SP, 2-12 positions	250mA	11.29	10.35	10.03	9.30
-MRA206A	MRA206-A	A	DP, 2-6 positions	250mA	12.01	11.01	10.67	9.92
-MRA403A	MRA403-A	A	4P, 2-3 positions	250mA	13.27	12.16	11.79	11.01
w Profile Screwdriver Actuated w/ PC Terminals								
-MRF112	MRF112	B	SP, 2-12 positions	0.4VA	7.38	6.77	6.56	7.38
-MRF206	MRF206	B	DP, 2-6 positions	0.4VA	7.63	7.00	6.78	6.57
-MRF403	MRF403	B	4P, 2-3 positions	0.4VA	8.12	7.44	7.22	6.99
w Profile Shaft Actuated w/ PC Terminals								
-MRK112A	MRK112-A	C	SP, 2-12 positions	0.4VA	9.36	8.58	8.32	7.63
-MRK206A	MRK206-A	C	DP, 2-6 positions	0.4VA	9.61	8.81	8.54	7.85
-MRK403A	MRK403-A	C	4P, 2-3 positions	0.4VA	10.21	9.36	9.07	8.36
aft Actuated w/ PC Turret Terminals (Non-washable)								
-MRX108A	MRX108-A	D	SP, 2-8 positions	2A	10.15	9.31	9.02	7.57
-MRX204A	MRX204-A	D	DP, 2-4 positions	2A	10.75	9.85	9.55	8.82
aft Actuated w/ Turret Terminals (Non-washable)								
-MRY106A	MRY106-A	E	SP, 2-6 positions	3A	9.65	8.84	8.58	7.89

KK HIGH CAPACITY ROTARY SWITCHES

mber of Positions: 2-11
nshorting Circuits (Shorting Circuits are o available, call for details)

- D-Flat Shaft
- 30° Indexing
- TS and PS Series: Adjustable Stop

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Pole	Number of Terminals	Price Each 1	25	50	100
sistive Load: 6A @ 125/250VAC								
-TS-1N	TS-1N	F	1	1 COM, 11 LOAD	29.00	26.32	24.72	23.13
-TS-2N	TS-2N	F	2	2 COM, 22 LOAD	39.50	35.85	33.68	31.51
-TS-3N	TS-3N	F	3	3 COM, 33 LOAD	50.25	45.61	42.84	40.08
-TS-4N	TS-4N	F	4	4 COM, 44 LOAD	80.90	73.43	68.98	64.53
-TS-5N	TS-5N	F	5	5 COM, 55 LOAD	104.75	95.06	89.30	83.53
sistive Load: 12A @ 125VAC; 6A @ 250VAC								
-HS16-1N	HS16-1N	G	1	1 COM, 11 LOAD	17.00	15.43	14.49	13.56
-HS16-2N	HS16-2N	G	2	2 COM, 22 LOAD	24.40	22.14	20.80	19.46
-HS16-3N	HS16-3N	G	3	3 COM, 33 LOAD	32.30	29.32	27.54	25.77
-HS16-4N	HS16-4N	G	4	4 COM, 44 LOAD	56.60	51.36	48.25	45.14
-HS16-5N	HS16-5N	G	5	5 COM, 55 LOAD	69.60	63.16	59.33	55.51
-HS16-6N	HS16-6N	G	6	6 COM, 66 LOAD	101.00	91.66	86.10	80.55
sistive Load: 30A @ 125/250VAC								
-PS-1N	PS-1N	H	1	1 COM, 11 LOAD	32.30	29.32	27.54	25.77
-PS-2N	PS-2N	H	2	2 COM, 22 LOAD	52.60	47.73	44.84	41.95
-PS-3N	PS-3N	H	3	3 COM, 33 LOAD	73.00	66.25	62.23	58.22
-PS-4N	PS-4N	H	4	4 COM, 44 LOAD	94.00	85.31	80.14	74.97
-PS-5N	PS-5N	H	5	5 COM, 55 LOAD	114.00	103.46	97.19	90.92

KK KNOBS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each 1	25	50	100
-AT431	AT431	I	Large Knob, Black	1.76	1.64	1.51	1.41
-AT432	AT432	J	Small Knob, Black	1.76	1.64	1.51	1.41

KK FR SERIES: 10MM ULTRA-THIN DIP ROTARY SWITCHES

ecifications:
Power Rating: 100mA @ 5VDC switching; 00mA @50VDC non-switching
Contact resistance: 100mΩ max.
nsulation resistance: 1000MΩ min. @ 250VDC
Dielectric strength: 250VAC min. for 1 minute

Features:

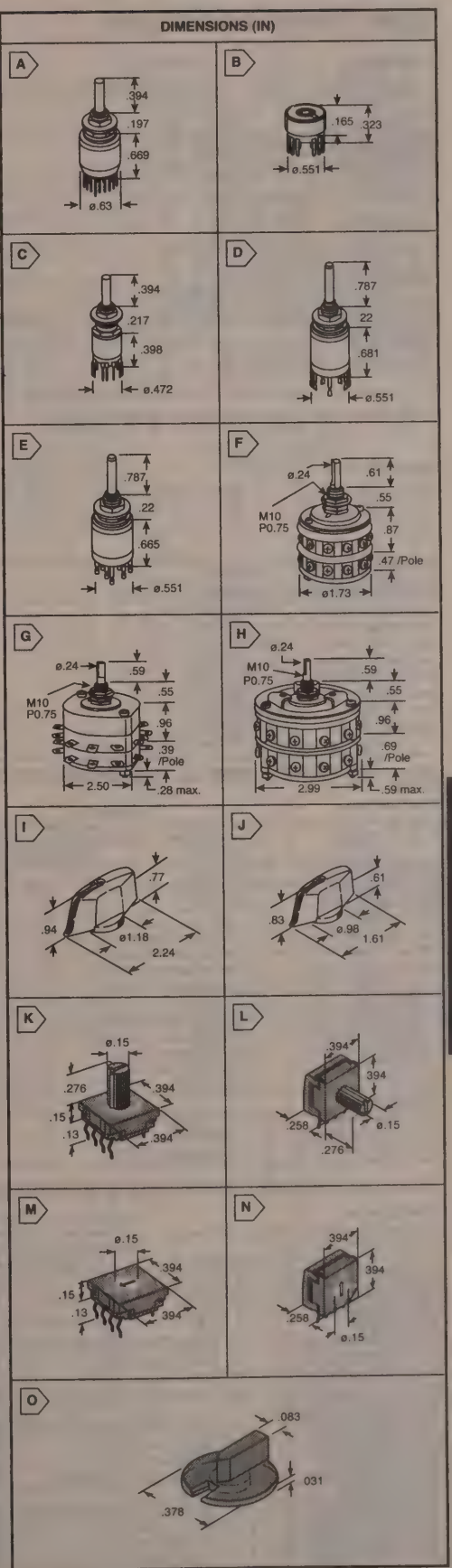
- Environmentally friendly
- Slim: .150" (3.8mm) body
- Highly visible legends
- Gold plated contacts
- Actuator knob also available

LEAD-FREE

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each 1	25	50	100
haft Actuated								
3-FR01KC10P	FR01KC10P	K	BCD, Complement	Straight PCB	3.00	2.70	2.40	2.10
3-FR01KC16P	FR01KC16P	K	Hexadecimal, Complement	Straight PCB	3.00	2.70	2.40	2.10
3-FR01KR10P	FR01KR10P	K	BCD, Real	Straight PCB	3.00	2.70	2.40	2.10
3-FR01KR16P	FR01KR16P	K	Hexadecimal, Real	Straight PCB	3.00	2.70	2.40	2.10
3-FR01KC10H	FR01KC10H	L	BCD, Complement	R/A PCB	3.25	2.93	2.60	2.28
3-FR01KC16H	FR01KC16H	L	Hexadecimal, Complement	R/A PCB	3.25	2.93	2.60	2.28
3-FR01KR10H	FR01KR10H	L	BCD, Real	R/A PCB	3.25	2.93	2.60	2.28
3-FR01KR16H	FR01KR16H	L	Hexadecimal, Real	R/A PCB	3.25	2.93	2.60	2.28
crewdriver Actuated								
3-FR01FC10P	FR01FC10P	M	BCD, Complement	Straight PCB	3.00	2.70	2.40	2.10
3-FR01FC16P	FR01FC16P	M	Hexadecimal, Complement	Straight PCB	3.00	2.70	2.40	2.10
3-FR01FR10P	FR01FR10P	M	BCD, Real	Straight PCB	3.00	2.70	2.40	2.10
3-FR01FR16P	FR01FR16P	M	Hexadecimal, Real	Straight PCB	3.00	2.70	2.40	2.10
3-FR01FC10H	FR01FC10H	N	BCD, Complement	R/A PCB	3.25	2.93	2.60	2.28
3-FR01FC16H	FR01FC16H	N	Hexadecimal, Complement	R/A PCB	3.25	2.93	2.60	2.28
3-FR01FR10H	FR01FR10H	N	BCD, Real	R/A PCB	3.25	2.93	2.60	2.28
3-FR01FR16H	FR01FR16H	N	Hexadecimal, Real	R/A PCB	3.25	2.93	2.60	2.28
nap-On Knob for Screwdriver Actuated								
3-AT4180	AT4180	O	Snap-On Knob	—	.80	.68	.64	.60

DIMENSIONS (IN)



Coded Rotary DIP Switches

APEM ROTARY DIP SWITCHES

Specifications:
- Operating voltage: 24VDC max
- Contact rating, static: 400mA max

Features:
- 3 + 3 terminal layout
- Completely sealed for process compatibility
- Clockwise or counterclockwise settable
- Solder coated terminals

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	No. of Positions	Description	Price Each 1	25	50	100
Thru-Hole								
642-PT65101	PT65101	A	10	True Binary coded decimal	2.68	2.53	2.38	2.24
642-PT65106	PT65106	A	16	Complimentary binary coded decimal	3.64	3.43	3.23	3.03
642-PT65301	PT65301	B	10	True Binary coded decimal	4.28	4.05	3.81	3.57
642-PT65303	PT65303	B	16	Complimentary binary coded hexadecimal	4.61	4.35	4.10	3.84
642-PT65501	PT65501	C	10	True Binary coded decimal	4.14	3.91	3.68	3.45
642-PT65503	PT65503	C	16	Complimentary binary coded hexadecimal	4.72	4.45	4.19	3.93
642-P36101	P36101	D	10	True Binary coded decimal	3.49	3.30	3.10	2.91
642-P36103	P36103	D	16	Complimentary binary coded hexadecimal	3.49	3.30	3.10	2.91
Surface Mount								
642-P36S101	P36S101	E	10	True Binary coded decimal	3.71	3.50	3.30	3.09
642-P36S103	P36S103	E	16	Complimentary binary coded decimal	3.71	3.50	3.30	3.09

BOURNS SEALED ROTARY SWITCHES

Specifications:
- Contact Form: SPST
- Max. Current Rating: 100mA
- Max. Voltage Rating: 16V
- Contact Timing: Non-Shorting
- Rotational Life: 2000 cycles

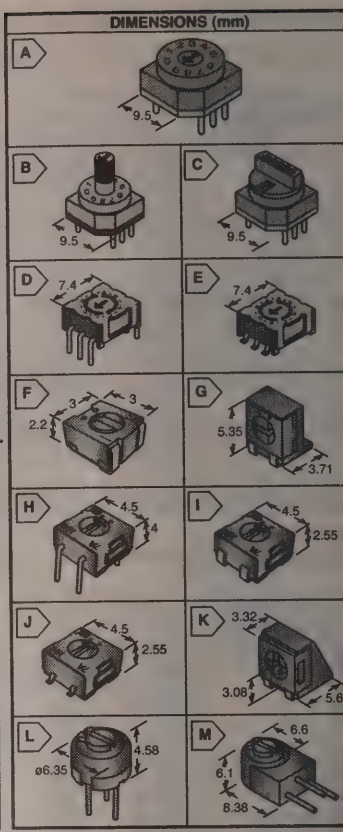
Features:
- Tape and Reel packaging on surface mount terminal types.

Applications:
- Security Systems
- Portable Electronics
- Instrumentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Size (mm)	Terminal Type	Package Quantity	Price Each 1	25	50	100
652-7813J-1-023E	7813J-1-023E	F	3	SMD J-Hook	1000	2.05	1.65	1.49	1.32
652-7813S-1-023E	7813S-1-023E	G	3	SMD Right angle	200	2.19	1.83	1.64	1.46
652-7814H-1-023	7814H-1-023	H	4	Through-hole	100	2.19	1.83	1.64	1.46
652-7814J-1-023E	7814J-1-023E	I	4	SMD J-Hook	500	2.05	1.65	1.49	1.32
652-7814G-1-023E	7814G-1-023E	J	4	SMD Gull wing	500	2.05	1.65	1.49	1.32
652-7814Z-1-023E	7814Z-1-023E	K	4	SMD Right angle	200	2.19	1.83	1.64	1.46
652-7829H-1-023	7829H-1-023	L	ø6	Through-hole	50	1.68	1.40	1.12	.90
652-7829S-1-023	7829S-1-023	M	ø6	Righ angle through-hole	50	1.89	1.58	1.26	1.00

DIMENSIONS (mm)



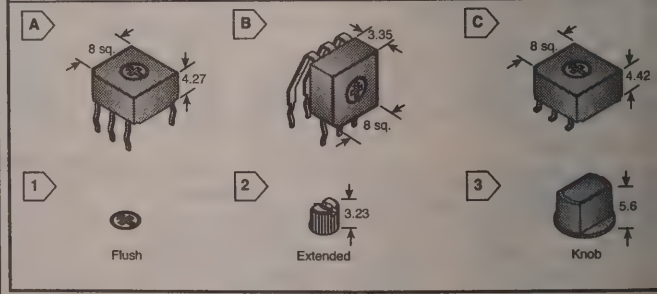
CD SERIES: 8MM ULTRA-MINIATURE CODED ROTARY

Specifications:
- Process sealed to withstand soldering and cleaning
- Contact rating: 0.4 VA max. @ 20 VAC or VDC max.
- Mechanical and Electrical life: 20,000 actuations
- Dielectric Strength: 250 V RMS min.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part No.	Fig.	Pos.	Code Configuration	Actuator	Price Each 1	25	100	250
PC Thru-Hole								
611—CD10RM0CK	A	10	Binary Coded Decimal, TRUE	1	4.73	4.37	4.10	2.73
611—CD10RL1CK	A	10	Binary Coded Decimal, TRUE	2	5.43	5.02	4.70	3.14
611—CD16RL1CK	A	16	Hexadecimal, TRUE	2	5.95	5.50	5.15	3.44
611—CD16RK1CK	A	16	Hexadecimal, TRUE	3	6.86	6.34	5.94	3.96
Right Angle, PC Thru - Hole								
611—CD10RM0AK	B	10	Binary Coded Decimal, TRUE	1	2.99	2.76	2.59	1.73
611—CD10RL1AK	B	10	Binary Coded Decimal, TRUE	2	6.27	5.78	5.42	3.62
611—CD16RM0AK	B	16	Hexadecimal, TRUE	1	2.99	2.76	2.59	1.73
611—CD16RL1AK	B	16	Hexadecimal, TRUE	2	6.84	6.31	5.92	3.95
611—CD16RK1AK	B	16	Hexadecimal, TRUE	3	7.75	7.15	6.71	4.47
Surface Mount								
611—CD10RM0SK	C	10	Binary Coded Decimal, TRUE	1	2.73	2.52	2.36	1.58
611—CD16RM0SK	C	16	Hexadecimal, TRUE	1	5.88	5.42	5.09	3.39
611—CD16RK1SK	C	16	Hexadecimal, TRUE	3	7.54	6.96	6.53	4.35

DIMENSIONS (mm)



CRD SERIES: 10MM CODED ROTARY SWITCHES

Specifications:
- Process sealed to withstand soldering and cleaning
- Flush, Screwdriver slot actuator
- Contact rating: 0.4 VA max. @ 20 VAC or VDC max.
- Mechanical Life: 20,000 actuations @ 5 VDC 10 mA
- Electrical Life: 30,000 actuations
- Dielectric Strength: 300 VAC for 1 minute

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. / Mfr. Mfr. Part No.	Fig.	Pos.	Code Configuration	Price Each 1	25	100	250
PC Thru-Hole							
611—CRD10RM0CK	D	10	Binary Coded Decimal, TRUE	4.26	3.94	3.69	2.46
611—CRD10CM0CK	D	10	BCD, Compliment	4.26	3.94	3.69	2.46
611—CRD16RM0CK	D	16	Hexadecimal, TRUE	4.68	4.32	4.05	2.70
611—CRD16CM0CK	D	16	Hexadecimal, Compliment	4.68	4.32	4.05	2.70
Right Angle, PC Thru-Hole							
611—CRD10RM0AK	E	10	Binary Coded Decimal, TRUE	5.04	4.66	4.37	2.91
611—CRD10CM0AK	E	10	BCD, Compliment	5.04	4.66	4.37	2.91
611—CRD16RM0AK	E	16	Hexadecimal, TRUE	5.54	5.11	4.79	3.20
611—CRD16CM0AK	E	16	Hexadecimal, Compliment	5.54	5.11	4.79	3.20
Surface Mount							
611—CRD10RM0SK	F	10	Binary Coded Decimal, TRUE	4.81	4.44	4.16	2.78
611—CRD10CM0SK	F	10	BCD, Compliment	4.81	4.44	4.16	2.78
611—CRD16RM0SK	F	16	Hexadecimal, TRUE	5.28	4.87	4.57	3.05
611—CRD16CM0SK	F	16	Hexadecimal, Compliment	5.28	4.87	4.57	3.05

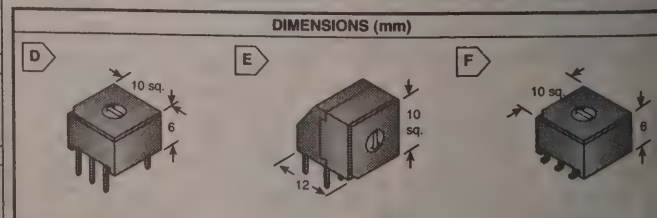
True

Type	Position	Code C	1	2	4	8
BCD	0	•				
	1	•	•			
	2	•		•		
	3	•	•	•		
	4	•			•	
	5	•	•		•	
	6	•		•	•	
	7	•	•	•	•	
	8	•				•
	9	•	•			•
Hexadecimal	A	•		•		•
	B	•	•	•		•
	C	•			•	•
	D	•	•		•	•
	E	•		•	•	•
	F	•	•	•	•	•

Compliment

Type	Position	Code C	1	2	4	8
BCD	0	•	•	•	•	•
	1	•		•	•	•
	2	•	•		•	•
	3	•			•	•
	4	•	•	•		•
	5	•		•		•
	6	•	•			•
	7	•				•
	8	•	•	•	•	
	9	•		•	•	
Hexadecimal	A	•	•	•		
	B	•		•		
	C	•	•			
	D	•				
	E	•	•			
	F	•				

DIMENSIONS (mm)



DIP Coded Rotary Switches

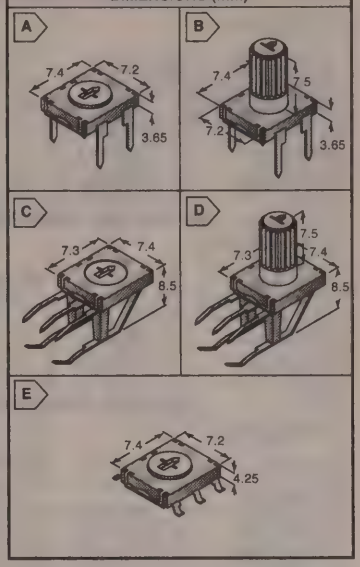
non RTE SERIES: SEALED MINIATURE ROTARY SWITCHES

ITT Industries

cifications:
lin./Max. voltage: 20mVDC/30 VDC
lin./Max. switching current: 10mA/100mA

- Gold contact plating
- Sealed against wave soldering and washing

DIMENSIONS (mm)



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Type	Actuation Method	Price Each 1	25	100	250
Actuated								
-RTE0300N03	RTE0300N03	A	3 position	Screwdriver Slot	1.91	1.72	1.53	1.39
-RTE0301N03	RTE0301N03	B	3 position	Shaft	2.18	1.96	1.74	1.58
-RTE1000N13	RTE1000N13	A	Binary coded decimal	Screwdriver Slot	2.55	2.29	2.04	1.85
-RTE1001N13	RTE1001N13	B	Binary coded decimal	Shaft	2.55	2.29	2.04	1.85
-RTE1600N43	RTE1600N43	A	Hexadecimal	Screwdriver Slot	2.50	2.34	2.07	1.88
-RTE1601N43	RTE1601N43	B	Hexadecimal	Shaft	2.60	2.34	2.07	1.88
e Actuated								
-RTE1000V13	RTE1000V13	C	Binary coded decimal	Screwdriver Slot	2.68	2.42	2.14	1.94
-RTE1001V13	RTE1001V13	D	Binary coded decimal	Shaft	2.68	2.42	2.14	1.94
-RTE1600V43	RTE1600V43	C	Hexadecimal	Screwdriver Slot	2.72	2.45	2.18	1.97
-RTE1601V43	RTE1601V43	D	Hexadecimal	Shaft	2.72	2.45	2.18	1.97
T-G, Top Actuated								
-RTE0200G03	RTE0200G03	E	2 position	Screwdriver Slot	2.04	1.84	1.63	1.48
-RTE0300G03	RTE0300G03	E	3 position	Screwdriver Slot	2.19	1.97	1.76	1.59
-RTE1000G13	RTE1000G13	E	Binary coded decimal	Screwdriver Slot	2.72	2.45	2.18	1.97

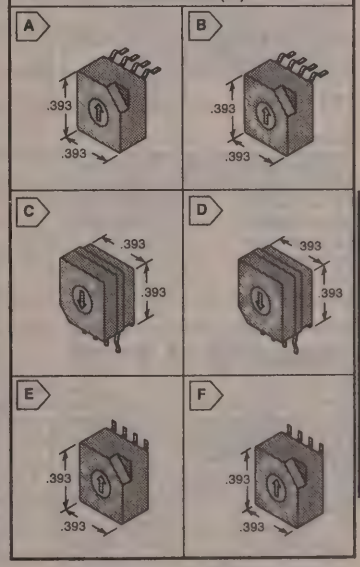
ountain MINIATURE BINARY CODED ROTARY SWITCHES

ecifications:
ating: switching: 50mA/24VDC;
n-switching 100mA/50VDC
ontact resistance: 100mΩ max.
sulation resistance: 1000MΩ @ 100VDC
ielectric strength: 250VAC for 1 minute

Features:

- Miniature size
- O ring flex seal
- Fully sealed construction
- Gold plated contacts

DIMENSIONS (IN)



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Code Configuration	Price Each 1	10	50
Mount,Top Adjust						
6-RS40012	A	10	TRUE binary coded decimal	2.15	1.99	1.89
6-RS40031	A	10	Complimentary binary coded decimal	2.15	1.99	1.89
6-RS40014	B	16	TRUE binary coded hexadecimal	2.15	1.99	1.89
6-RS40033	B	16	Complimentary binary coded hexadecimal	2.15	1.99	1.89
ght Angle PC Mount						
6-RI40012	C	10	TRUE binary coded decimal	2.25	2.09	1.99
6-RI40031	C	10	Complimentary binary coded decimal	2.25	2.09	1.99
6-RI40014	D	16	TRUE binary coded hexadecimal	2.25	2.09	1.99
6-RI40033	D	16	Complimentary binary coded hexadecimal	2.25	2.09	1.99
rface Mount,Top Adjust						
6-RM40012	E	10	TRUE binary coded decimal	2.15	1.99	1.89
6-RM40014	F	16	TRUE binary coded hexadecimal	2.15	1.99	1.89

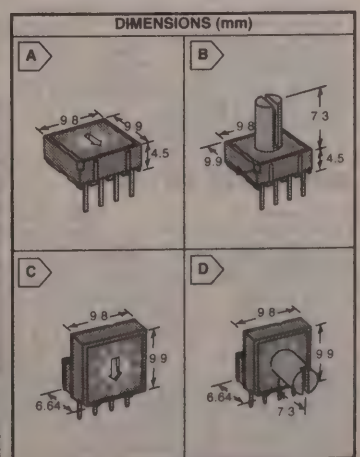
MRON A6R/A6RV SERIES ROTARY DIP SWITCHES

ecifications:
ating: 25mA @ 24 VDC
ontact resistance: 200mW
ielectric strength: 250VAC for 1 minute

Features:

- Low-cost
- O-ring sealed construction

DIMENSIONS (mm)



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Positions	Description	Price Each 1	25	50	100
3-A6R-101RF	A6R-101RF	A	10	Top actuated, flat, true BCD, 4 x 1 terminal arrangement	2.68	2.41	2.15	1.74
3-A6R-102RF	A6R-102RF	A	10	Top actuated, flat, true BCD, 3 x 3 terminal arrangement	2.68	2.41	2.15	1.74
3-A6R-161RF	A6R-161RF	A	16	Top actuated, flat, true hexadecimal, 4 x 1 terminal arrangement	2.86	2.58	2.29	1.86
3-A6R-162RF	A6R-162RF	A	16	Top actuated, flat, true hexadecimal, 3 x 3 terminal arrangement	2.86	2.58	2.29	1.86
3-A6R-101RS	A6R-101RS	B	10	Top actuated, ext. shaft, true BCD, 4 x 1 terminal arrangement	2.95	2.66	2.36	1.92
3-A6R-102RS	A6R-102RS	B	10	Top actuated, ext. shaft, true BCD, 3 x 3 terminal arrangement	2.95	2.66	2.36	1.92
3-A6R-161RS	A6R-161RS	B	16	Top actuated, ext. shaft, true hexadecimal, 4 x 1 terminal arrangement	3.13	2.82	2.51	2.04
3-A6R-162RS	A6R-162RS	B	16	Top actuated, ext. shaft, true hexadecimal, 3 x 3 terminal arrangement	3.13	2.82	2.51	2.04
3-A6RV-101RF	A6RV-101RF	C	10	Side actuated, flat, true BCD, 4 x 1 terminal arrangement	2.68	2.41	2.15	1.74
3-A6RV-102RF	A6RV-102RF	C	10	Side actuated, flat, true BCD, 3 x 3 terminal arrangement	2.68	2.41	2.15	1.74
3-A6RV-161RF	A6RV-161RF	C	16	Side actuated, flat, true hexadecimal, 4 x 1 terminal arrangement	2.86	2.58	2.29	1.86
3-A6RV-162RF	A6RV-162RF	C	16	Side actuated, flat, true hexadecimal, 3 x 3 terminal arrangement	2.86	2.58	2.29	1.86
3-A6RV-101RS	A6RV-101RS	D	10	Side actuated, ext. shaft, true BCD, 4 x 1 terminal arrangement	3.31	2.98	2.65	2.15
3-A6R-102RS	A6R-102RS	D	10	Side actuated, ext. shaft, true BCD, 3 x 3 terminal arrangement	3.31	2.98	2.65	2.15
3-A6R-161RS	A6R-161RS	D	16	Side actuated, ext. shaft, true hexadecimal, 4 x 1 terminal arrangement	3.49	3.14	2.79	2.27
3-A6R-162RS	A6R-162RS	D	16	Side actuated, ext. shaft, true hexadecimal, 3 x 3 terminal arrangement	3.49	3.14	2.79	2.27

Thumbwheel Switches

Cannon — ITT Industries

3U SERIES TINY PUSHWHEEL SWITCHES

- Matte black housing
- Gloss black wheel
- Extended actuator
- White vertical characters
- Black pushbuttons
- No stops

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Fig.	Description	No. of Pos.	Price Each 1	10	25	100
611-3U0210000	3U0210000	A	BCD 1-2-4-8 without dust lens	0-9	10.70	8.99	8.02	7.05
611-3U0210002	3U0210002	A	BCD 1-2-4-8 with dust lens	0-9	11.20	9.42	8.40	7.38
611-113B02000	113B02000	---	Left end cap 3U series	---	.34	.28	.25	.22
611-114B02000	114B02000	---	Right end cap 3U series	---	.34	.28	.25	.22

Cannon — ITT Industries

3P SERIES MINIATURE PUSHWHEEL SWITCHES

- Matte black housing
- Gloss black wheel
- Extended actuator
- White characters
- Black pushbuttons
- No stops

For quantities of 500 and up, call for quote.

611-3P0210000	3P0210000	B	BCD 1-2-4-8 without dust lens	0-9	10.84	9.13	8.13	7.15
611-3P0210002	3P0210002	B	BCD 1-2-4-8 with dust lens	0-9	11.30	9.50	8.47	7.44
611-623502000	623502000	---	Left end cap 3P series	---	.40	.33	.30	.26
611-623602000	623602000	---	Right end cap 3P series	---	.40	.33	.30	.26

Cannon — ITT Industries

3 SERIES THUMBWHEEL SWITCHES

- Matte black housing
- Gloss black wheel
- Extended actuator
- White characters
- Black pushbuttons
- No stops

For quantities of 500 and up, call for quote.

Front Mounted								
611-301109000	301109000	C	Decimal, SP 10 position	0-9	10.12	8.51	7.59	6.67
611-302109000	302109000	C	BCD, 10 position	0-9	10.12	8.51	7.59	6.67
611-307109000	307109000	C	BCH, 16 position	0-9, A-F	20.26	17.04	15.20	13.35
Rear Mounted								
611-301119000	301119000	D	Decimal, SP 10 position	0-9	10.12	8.51	7.59	6.67
611-302119000	302119000	D	BCD, 10 position	0-9	10.12	8.51	7.59	6.67
611-307119000	307119000	D	BCH, 16 position	0-9, A-F	20.26	17.04	15.20	13.35

Assembly Screws (2 required)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Front Mount	Rear Mount	Price Each 1	10	25	100
611-412701000	412701000	3-4	3	1.98	1.67	1.49	1.31
611-412702000	412702000	5-7	4-6	1.98	1.67	1.49	1.31

Accessories

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ITT/Cannon Part No.	Description	Price Each 1	10	25	100
611-413402000	413402000	End plate, front mount (2 required)	1.36	1.15	1.02	.90
611-413502000	413502000	Spacer, front mount	1.65	1.39	1.24	1.09
611-400802000	400802000	Spacer, rear mount	1.23	1.04	.92	.81
611-402900000	402900000	Stop pin, front and rear mount	.18	.16	.14	.13
611-403500000	403500000	Hex nut (2 required)	.18	.16	.14	.13
611-406100652	406100652	Hex nut driver	7.04	5.92	5.28	4.64

CHERRY

PA SERIES

- Front mounting
- Module dimensions: 7.62 x 15 x 18 mm
- Black housing
- Mounting depth: 24 or 34.5mm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	No. of Pos.	Read-Out	Output Code	Finish	Price Each 1	10	25	100
540-PACA-3000	PACA-3000	E	10	0-9	BCD	Matte	16.45	13.16	10.73	9.87
Accessories for PA Series			**Description**							
540-0609-0799	0609-0799		Right End Cap				.48	.45	.42	.39
540-0609-0801	0609-0801		Left End Cap				.48	.45	.42	.39
540-C2K0-P107	C2K0-P107		Connector with Solder pins for PA series				4.03	3.22	2.62	2.42

CHERRY

PB SERIES

- Front mounting
- Module dimensions: 6 x 18 x 15.6 mm
- Black housing
- Mounting depth: 19.5 mm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	No. of Pos.	Read-Out	Output Code	Finish	Price Each 1	10	25	100
540-PBC1-E015	PBC1-E015	F	10	0-9	BCD w/PC Pins	Matte	8.00	6.40	5.22	4.80
Accessories for PB Series			**Description**							
540-0609-1346	0609-1346		Left End Cap				.48	.45	.42	.39
540-0609-1347	0609-1347		Right End Cap				.48	.45	.42	.39

CHERRY

PE SERIES

- Front mounting
- Module dimensions: 7.62 x 24 x 26 mm
- Black housing
- Mounting depth: 32 or 42 mm

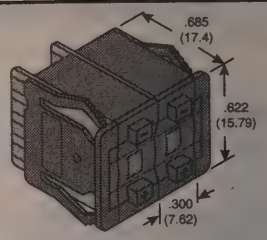
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	No. of Pos.	Read-Out	Output Code	Finish	Price Each 1	10	25	100
540-PEAA-3000	PEAA-3000	G	10	0-9	Decimal	Matte	19.00	15.20	12.39	11.40
540-PECA-3000	PECA-3000	G	10	0-9	BCD	Matte	18.53	14.82	12.08	11.12
540-PECA-4000	PECA-4000	G	10	0-9	BCD*	Matte	23.48	18.78	15.31	14.09
540-PEGA-3000	PEGA-3000	G	16	0-15	Hex	Matte	25.55	20.44	16.66	15.33
540-PEHA-3000	PEHA-3000	G	16	0-9,A-F	Hex	Matte	25.23	20.18	16.45	15.14
Accessories for PE Series			**Description**							
540-0609-0754	0609-0754		Left End Cap for PE series				.48	.45	.42	.39
540-0609-0756	0609-0756		Right End Cap for PE series				.48	.45	.42	.39
540-C2R0-P111	C2R0-P111		Connector with Solder pins for PE series				4.30	3.44	2.80	2.58

* With extended board for diodes

DIMENSIONS IN and (mm

A



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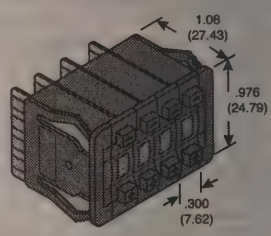

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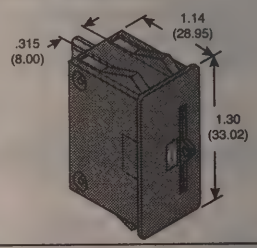

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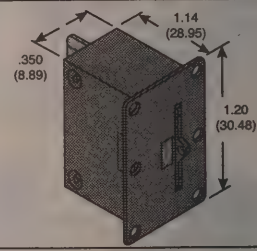

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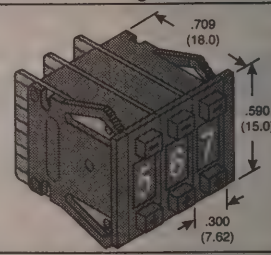

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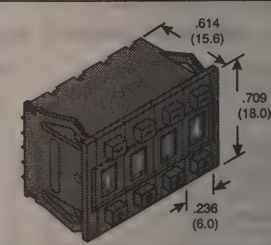

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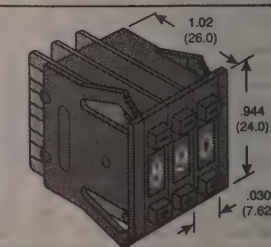
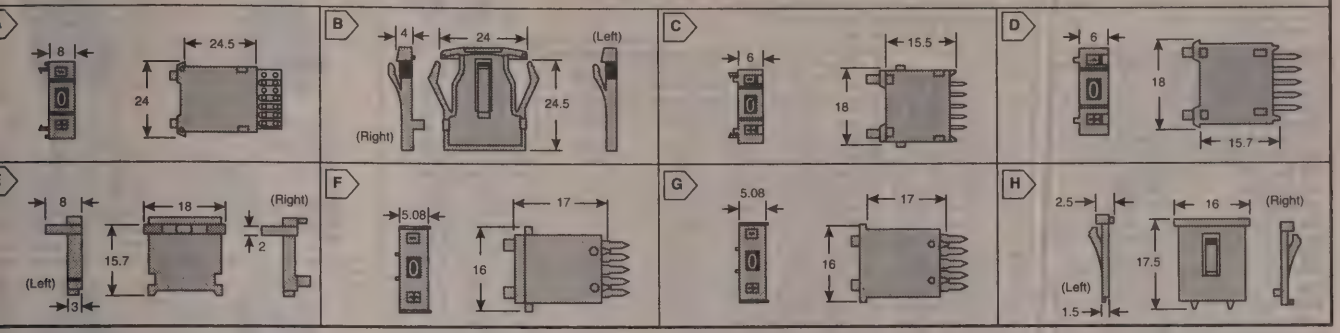


Thumbwheel Switches and Accessories

DIMENSIONS (mm)



OMRON A7B, A7CN, A7D SERIES: THUMBWHEEL SWITCHES

Specifications:
Switching capacity: (A7BS): 25mA/24VDC;
(A7CN): 1mA-.1A/50VAC/28VDC;
(A7D): 1mA-.1A/5~30VDC
Contact resistance: 200mΩ max. (initial value)
Insulation resistance: (A7BS): 100MΩ min.;
(A7CN): 10MΩ min. between non-connected terminals (initial value)
1,000MΩ min. between each terminal and non-current-carrying part.
Insulation resistance: (A7D): 10MΩ min. between non-connected terminals (initial value)
100MΩ min. between each terminal and non-current-carrying part.
Operating force: 30gf (A7BS); 450gf (A7CN); 350gf (A7D)
Dielectric strength: 500VAC (A7BS); 250VAC (A7CN & A7D)
Mechanical life: 1,000 operations min. (A7BS); 30,000 op. (A7C & A7D)
Electrical life: 1,000 operations min.; 20,000 operations (A7CN & A7D)

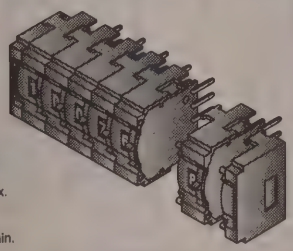
Truth Table

Pos.	Code			
	1	2	4	8
0				
1	•			
2		•		
3	•	•		
4			•	
5	•		•	
6		•	•	
7	•	•	•	
8				•
9	•			•

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	25	50	100
653-A7BS-206-1	A	Single section, binary	8.19	7.61	6.63	6.05
653-A7BS-207-1	A	Single section, binary w/ diode provision	8.82	8.19	7.14	6.51
653-A7B-M-1	B	End cap for A7BS, set of 2	1.33	1.23	1.07	.98
653-A7CN-106-1	C	Single section, binary, back mounting PCB	6.55	6.08	5.30	4.84
653-A7CN-206-1	D	Single section, binary, front mounting PCB	6.55	6.08	5.30	4.84
653-A7CN-1M-1	E	End cap for A7CN, set of 2	.80	.74	.65	.59
653-A7D-106-1	F	Single section, binary, back mounting PCB	5.06	4.70	4.10	3.73
653-A7D-206-1	G	Single section, binary, front mounting PCB	5.06	4.70	4.10	3.73
653-A7D-2M-1	H	End cap for A7D, set of 2	.74	.68	.60	.54

Mountain Switch MINIATURE THUMBWHEEL SWITCHES



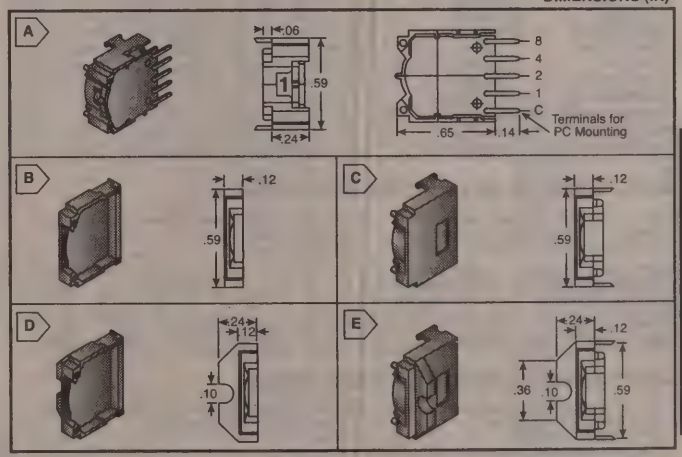
Features:
PC mounting
True output
Black color

Electrical Specifications:
Rating: switching load capacity
10mA/28VDC (resistive load)
Continuous current: 100mA max.
Contact resistance (initial):
50mΩ max.
Insulation resistance: 100MΩ min.
Dielectric strength: 250VAC

Truth Table

Dial	Terminal Connected to Common			
	8	4	2	1
0				
1				•
2			•	
3			•	•
4		•		
5		•		•
6		•	•	
7		•	•	•
8	•			
9	•			•

DIMENSIONS (IN)



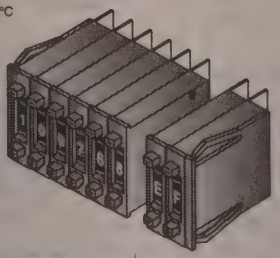
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100
6-9801	A	Single section, decimal switch	5.79	4.99	4.57
6-9802	B	Flush mount end plate, left	1.15	.96	.88
6-9803	C	Flush mount end plate, right	.69	.59	.52
6-9804	D	Rear mount end plate, left	.69	.59	.52
6-9805	E	Rear mount end plate, right	.69	.59	.52

Mountain Switch HEXADECIMAL PUSHWHEEL SWITCHES AND ACCESSORIES

Mechanical Specifications:
Mechanical life: 200,000 operations
Operating temperature: -20°C to +65°C

Features:
Pushwheel actuation
Front mounting
Hexadecimal switch
Snap fit connects and mounts
easily without rods or nuts
Easy to read numbers
Termination: PCB w/solder holes

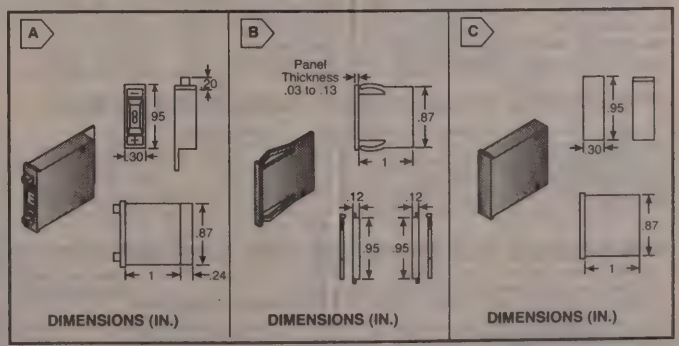


Electrical Specifications:
Rating: 100mA/50VAC/28VDC max.
Carrying current: 1A max.
Life: 100,000 operations
Contact resistance: 200mΩ max.
Insulation resistance: between common and any output: 10MΩ min.
between output and non-carrying part: 1000MΩ min.
Dielectric strength (for 1 minute): between common and any output: 800VAC
between output and non-carrying part: 1000VAC

Material:
Housing, blanks, endcaps, wheels, and pushwheel: black thermoplastic
Contacts: hard gold on phosphor bronze
Printed circuit boards: hard gold over nickel plate on .031" epoxy laminate

Truth Table

Wheel	C Connected to Terminals				
	1	2	4	8	C
0					•
1	•				•
2		•			•
3	•	•			•
4			•		•
5	•		•		•
6		•	•		•
7	•	•	•		•
8				•	•
9	•			•	•
A		•		•	•
B	•	•		•	•
C			•	•	•
D	•		•	•	•
E		•	•	•	•
F	•	•	•	•	•



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	50
106-9904	A	Single section, hexadecimal switch	6.77	6.15	5.59
106-9905	A	Single section, BCD 10 position	5.66	5.11	4.76
106-9901	B	Standard width end cap, right	.69	.55	.48
106-9902	B	Standard width end cap, left	.69	.55	.48
106-9903	C	Standard width blank	1.43	1.19	1.09

APM HEXSEAL Environmental Sealing Boots

APM HEXSEAL PUSHBUTTON SWITCH BOOTS

- Silicone rubber boot, with molded-in mounting nut
- Completely covers actuator
- Meets MIL-B-5423
- Resistant to sunlight, weather, salt spray, ozone, fungus and most acids and lubricating oils
- RFI suffix are EMI shielded

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Thread Size	Dimensions (IN) A	B	C	Plunger Height (IN)	Color	Price Each 1	10	25
608-N3030	N3030	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Gray	2.75	2.46	2.21
608-N3030-2605	N3030 2605	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Green	3.07	2.74	2.47
608-N3030-2619	N3030 2619	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Yellow	3.07	2.74	2.47
608-N3030-2604	N3030 2604	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Red	3.07	2.74	2.47
608-NC3030	NC3030	A	15/32-32NS-2B	0.719	0.625	0.422	0.438	Gray	2.75	2.46	2.21
608-NH3030	NH3030	A	1/2-32NS-2B	0.547	0.625	0.422	0.281	Gray	2.81	2.52	2.26
608-N5040	N5040	A	1/4-40NS-2B	0.313	0.375	0.188	0.141	Gray	3.28	2.93	2.64
608-N5040G	N5040G	A	1/4-32NS-2B	0.313	0.375	0.188	0.203	Gray	3.28	2.93	2.64
608-N5040R	N5040R	A	1/4-40NS-2B	0.313	0.375	0.188	0.203	Gray	3.28	2.93	2.64
608-1231/8/49	1231/8/49	A	3/8-27NS-2B	0.653	0.500	0.300	0.545	Clear	3.28	2.93	2.64
608-1221/12	1221/12	B	3/8-27NS-2B	0.609	0.641Ø	0.320	0.330	Gray	1.87	1.67	1.50
608-1221/15	1221/15	B	15/32-32NS-2B	0.719	0.766Ø	0.375	0.400	Gray	1.97	1.77	1.59
608-C1221/21/4	C1221/21/4	B	3/8-27NS-2B	0.609	0.641Ø	0.320	0.330	Clear	1.89	1.69	1.52
608-C1221/23	C1221/23	B	3/8-32NEF-2B	0.609	0.641Ø	0.320	0.330	Clear	1.89	1.69	1.52
608-C1221/25	C1221/25	B	3/8-32NS-2B	0.609	0.500	0.320	0.545	Black	1.89	1.69	1.52
608-N3030-RFI	N3030 RFI	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Gray	8.11	7.26	6.52
608-NC3030-RFI	NC3030 RFI	A	15/32-32NS-2B	0.719	0.625	0.422	0.438	Gray	8.11	7.26	6.52
608-NH3030-RFI	NH3030 RFI	A	1/2-32NS-2B	0.547	0.625	0.422	0.281	Gray	8.84	7.91	7.11
608-1238/1	1238/1	C	15/32-32NS-2B	0.984	0.750	0.422	0.438	Armored	6.76	6.05	5.44

APM HEXSEAL TOGGLE SWITCH BOOTS

- Silicone rubber with molded-in hex mounting nut
- Seals both switch and panel cutout
- Meets MIL-B-5423
- Resistant to sunlight, weather, salt spray, ozone, fungus and most acids and lubricating oils
- RFI suffix are EMI shielded

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Thread Size	Dimensions (IN) A	B	C	Plunger Height (IN)	Color	Price Each 1	10	25
608-N1030	N1030	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Gray	2.75	2.46	2.21
608-N1030-2504	N1030 2504	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Green	3.07	2.74	2.47
608-N1030-2503	N1030 2503	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Yellow	3.07	2.74	2.47
608-N1030-2508	N1030 2508	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Red	3.07	2.74	2.47
608-N1030A	N1030A	E	15/32-32NS-2B	0.219	0.875	0.625	0.660	Stainless-Steel	5.02	4.49	4.04
608-N1030B	N1030B	F	15/32-32NS-2B	0.078	0.437	0.625	—	Gray	2.75	2.46	2.21
608-N5030	N5030	D	1/4-40NS-2B	0.104	0.422	0.375	0.310	Gray	3.28	2.93	2.64
608-N5030L	N5030L	D	1/4-40NS-2B	0.062	0.500	0.375	0.370	Gray	3.28	2.93	2.64
608-N5032B	N5032B	F	1/4-40NS-2B	0.047	0.250	0.375	—	Gray	3.28	2.93	2.64
608-C1131/28	C1131/28	D	15/32-32NS-2B	0.219	0.937	0.625	0.710	Black	2.77	2.48	2.23
608-1131/26	1131/26	D	15/32-32NS-2B	0.219	1.093	0.625	0.900	Gray	2.75	2.46	2.21
608-50154	50154	D	15/32-32NS-2B	0.280	1.094	0.625	1.094	Gray	2.71	2.43	2.18
608-N5030S	N5030S	D	1/4-40NS-2B	0.062	0.594	0.375	0.500	Gray	3.28	2.93	2.64
608-IN1030-RFI	IN1030 RFI	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Gray	8.11	7.26	6.52
608-IN1030RFI1/232	IN1030 RFI 1/2-32	D	1/2-32NS-2B	0.219	0.844	0.625	0.660	Gray	9.30	8.33	7.49
608-N5030L-RFI	N5030L RFI	D	1/4-40NS-2B	0.062	0.500	0.375	0.360	Gray	8.11	7.26	6.52
608-N5030S-RFI	N5030S RFI	D	1/4-40NS-2B	0.062	0.594	0.750	0.500	Gray	8.11	7.26	6.52

APM HEXSEAL ROCKER SWITCH BOOTS

- High tear strength, transparent silicone rubber
- Resistant to sunlight, weather, salt spray, ozone, fungus and most acids and lubricating oils
- Does not compromise switch operability, position status viewing, or legend visibility
- Meets MIL-B-5423

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Dimensions (IN) A	B	C	D	E	Color	Price Each 1	10	25
608-C1113/66	C1113/66	G	0.228	0.348	0.531	0.750	0.531	Clear	1.68	1.50	1.35
608-C1113/80	C1113/80	G	0.560	0.750	1.375	1.750	0.900	Clear	1.68	1.50	1.35

APM HEXSEAL ROTARY SHAFT SEALS

- For standard rotary switch/potentiometer shafts
- Seals boot shaft and panel cutout
- RFI suffix are EMI shielded
- Resistant to sunlight, weather, salt spray, ozone,fungus and most acids and lubricating oils
- Meets MIL-B-5423

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Thread Size	Shaft Dia. (IN)	Dimensions (IN) A	B	Color	Price Each 1	10	25
608-N9030-X-1/4	N9030 X 1/4	H	3/8-32NS-2B	.250	0.219	0.500	Gray	2.37	2.12	1.91
608-N9040-X-1/8	N9040 X 1/8	H	1/4-32NEF-2B	.125	0.219	0.375	Gray	2.37	2.12	1.91
608-N9030-X-1/4-RFI	N9030 X 1/4 RFI	H	3/8-32NS-2B	.250	0.219	0.500	Gray	5.90	5.28	4.75
608-N9040-X-1/8-RFI	N9040 X 1/8 RFI	H	1/4-32NEF-2B	.125	0.219	0.375	Gray	8.11	7.26	6.52

APM HEXSEAL SEALED-SWITCH PANEL BUSHING SEAL

- Seals panel cutout through which the switch bushing passes
- Meets MIL-B-5423

For quantities of 50 and up, call for quote.

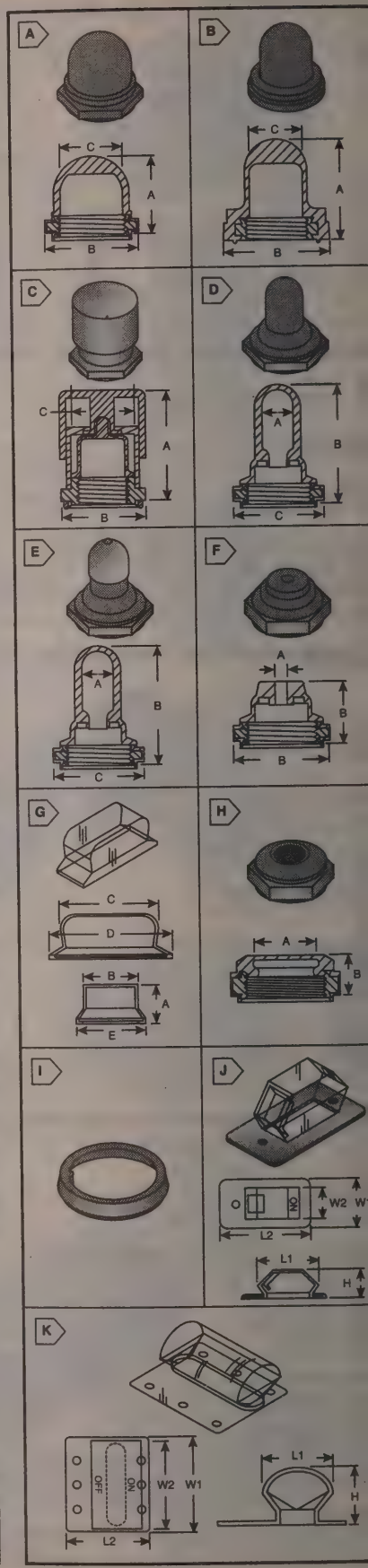
MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Shaft Bushing	Washer Dia. (IN)	Thickness (IN)	Price Each 1	10	25
608-60064	60064	I	15/32-32	.677	0.120	2.12	1.90	1.71

APM HEXSEAL SEALING BOOTS FOR LEVER-ACTUATED CIRCUIT BREAKERS

- High tear strength, transparent silicone rubber
- Does not compromise breaker operation or position status viewing
- Resistant to sunlight, weather, salt spray, ozone, fungus and most acids and lubricating oils
- Mounting hardware provided
- Meets MIL-B-5423

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Poles	Dimensions (IN) H	L1	L2	W1	W2	Carling	Tyco/ P&B	Price Each 1	10	25
Front-Panel Mounted													
608-CT1015	CT1015	J	1	0.875	1.875	2.625	1.375	0.875	CA1/DA1	W91	13.03	11.46	10.42
608-CT1020	CT1020	J	2	0.875	1.875	2.656	2.219	1.594	CA2/DA2	W92	14.75	12.98	11.80
608-CT1050	CT1050	J	3	0.875	1.875	2.656	2.656	2.344	CA3/DA3	W93	16.28	14.32	13.02
Back-of-Panel Mounted													
608-C1113/40	C1113/40	K	1	0.813	1.813	2.00	0.75	0.656	BA1	W67/W68/W69	10.43	9.17	8.34
608-C1113/42	C1113/42	K	2	0.813	1.813	2.00	1.50	1.406	BA2	W68/W69	12.00	10.56	9.60
608-C1113/43	C1113/43	K	3	0.813	1.813	2.00	2.25	2.156	BA3	W69	12.98	11.42	10.38



APEM JD SERIES KEYLOCK SWITCHES

ctrical Specifications:
Max. current/voltage rating with resistive load: 4A 125VAC, 2A 250VAC
Electrical Life: 6,000 cycles at full load
nitial Contact Resistance: 20 mΩ max.
nsulation Resistance: 10⁹Ω min.
Dielectric Strength: 1,000 Vrms min. @ sea level

Materials:
- Lock: Nickel plated zinc alloy
- Keys: Two nickel plated brass keys with code number stamped on key face. Single bitted.
- Switch Housing: Glass filled polyester
- Contacts/terminals: Silver plated copper alloy
- Mounting Nut: Nickel plated zinc alloy

E158071

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Description	Key Removes	Price Each 1	25	100
42-JD-7509O	JD-7509O	A	DP 90° Maintained	Position 1	7.89	7.53	7.17
42-JD-7509Q	JD-7509Q	A	DP 90° Maintained	Position 2	7.89	7.53	7.17
42-JD-7509S	JD-7509S	A	DP 90° Maintained	Position 1, 2	7.89	7.53	7.17
42-JD-7509B	JD-7509B	A	DP 45° Maintained	Position 1	8.07	7.70	7.33
42-JD-7509F	JD-7509F	A	DP 45° Maintained	Position 1, 3	8.07	7.70	7.33
42-JD-7509H	JD-7509H	A	DP 45° Maintained	Position 1	8.07	7.70	7.33
42-JD-7509J	JD-7509J	A	DP 45° Maintained	Position 1, 2, 3	8.07	7.70	7.33
42-JD-7510A	JD-7510A	A	SP 45° Momentary	Position 1	9.28	8.86	8.43
42-JD-7510E	JD-7510E	A	SP 45° Momentary	Position 1	9.28	8.86	8.43
42-JD-7510I	JD-7510I	A	SP 45° Momentary	Position 1	9.28	8.86	8.43

APEM A01 SERIES KEY SECURITY SWITCHES

ecifications:
Current/voltage rating: 10mA 5VAC min.; 6A 250VAC max. - 6A 12VDC max.
Electrical Life: 50,000 cycles min.
nitial contact resistance: 10 mΩ max. at 1A 4VDC
nsulation resistance: 50 MΩ min.
Dielectric strength: 750V between open contacts 5KV live to accessible

Features:
- Modular Construction
- Environmental seal: IP65
- Contacts: gold plated silver
- Momentary or maintained action

A Keylock Switch assembly requires: Operator and Switch Block

perator

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Poles	Description	Key Removes	Price Each 1	25	100
42-A018301	A018301	B	1 or 2	2 Position Maintained	Position 1, 3	25.50	22.95	20.40
42-A018302	A018302	B	1 or 2	2 Position Momentary	Position 1	25.50	22.95	20.40
42-A018303	A018303	B	3 or 4	2 Position Maintained	Position 1, 3	25.50	22.95	20.40
42-A018304	A018304	B	3 or 4	2 Position Momentary	Position 1	25.50	22.95	20.40
42-A018305	A018305	B	1 or 2	3 Position Maintained	Position 1, 2, 3	25.50	22.95	20.40
42-A018306	A018306	B	1 or 2	3 Position Momentary	Position 1	25.50	22.95	20.40
42-A018307	A018307	B	1 or 2	3 Position Main. Left, Mom. Right	Position 1, 2	25.50	22.95	20.40

vitch Blocks

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Description	Price Each 1	25	100
42-A0151B	A0151B	Switch block, single pole, for A01 series	6.50	5.85	5.20
42-A0152B	A0152B	Switch block, double pole, for A01 series	9.36	8.42	7.49
42-A0155B	A0155B	Switch block, triple pole, for A01 series	15.98	14.38	12.78
42-A0153B	A0153B	Switch block, four pole, for A01 series	19.48	17.53	15.58

NKK SK SERIES: LOW SECURITY COMPACT KEYLOCK SWITCHES

ecifications:
Power rating: 3A @125VAC, 1A @ 250VAC
Supplied with 2 keys per switch

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Key Removes	Price Each 1	25	50
33-SK12AAW01	SK12AAW01	C	SPDT On-None-On	Positions 1 & 3	11.20	10.57	9.95
33-SK12BAW01	SK12BAW01	C	SPDT On-None-On	Position 1	11.20	10.57	9.95
33-SK13DAW01	SK13DAW01	C	SPDT On-Off-On	Positions 1, 2, 3	11.79	11.14	10.48
33-SK13EAW01	SK13EAW01	C	SPDT On-Off-On	Position 2	11.79	11.14	10.48

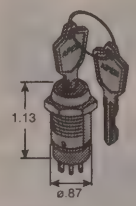
NKK CK SERIES: HIGH SECURITY KEYLOCK SWITCHES

ecifications:
Power rating: 3A @ 250VAC

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Key Removes	Price Each 1	25	50
6mm Bushing w/ Flat Key							
33-CKM12AF	CKM12AFW01	D	SPDT On-None-On	Positions 1 & 3	12.56	11.54	10.86
33-CKM12BF	CKM12BFW01	D	SPDT On-None-On	Position 1	12.56	11.54	10.86
33-CKM13EF	CKM12EFW01	D	SPDT On-Off-On	Position 2	13.89	12.77	12.02
6mm Bushing w/ Tubular Key							
33-CKM12AT	CKM12ATW01	E	SPDT On-None-On	Positions 1 & 3	12.56	11.54	10.86
33-CKM12BT	CKM12BTW01	E	SPDT On-None-On	Position 1	12.56	11.54	10.86
33-CKM13ET	CKM12ETW01	E	SPDT On-Off-On	Position 2	13.89	12.77	12.02
9mm Bushing w/ Flat Key							
33-CKL12AF	CKL12AFW01	F	SPDT On-None-On	Positions 1 & 3	12.73	11.70	11.01
33-CKL12BF	CKL12BFW01	F	SPDT On-None-On	Position 1	12.73	11.70	11.01
33-CKL13EF	CKL12EFW01	F	SPDT On-Off-On	Position 2	14.04	12.90	12.14
9mm Bushing w/ Tubular Key							
33-CKL12AT	CKL12ATW01	G	SPDT On-None-On	Positions 1 & 3	12.73	11.70	11.01
33-CKL12BT	CKL12BTW01	G	SPDT On-None-On	Position 1	12.73	11.70	11.01
33-CKL13ET	CKL12ETW01	G	SPDT On-Off-On	Position 2	14.04	12.90	12.14

DIMENSIONS (IN.)

A


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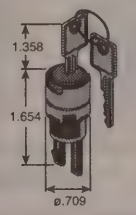

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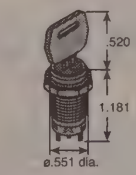

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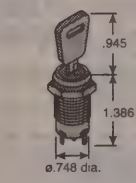

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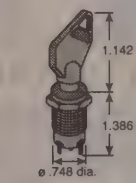

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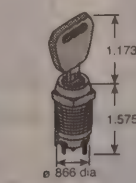

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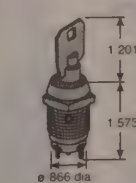


Keylock Switches

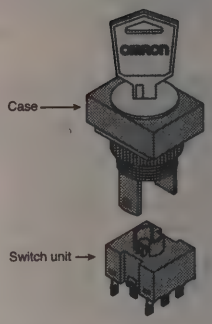
OMRON 16mm and 22mm Selector Switches

A165K SERIES: 16MM KEY-TYPE SELECTOR SWITCHES

Each unit includes protective case, switch unit, and 2 keys.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Shape of Flange	Key Release Position	Number of Positions Reset Method	Price Each 1	10	25	50
653-A165K-T2M-2	A165K-T2M-2	A	Round	ALL	2 Position Maintained	27.78	26.04	25.17	24.30
653-A165K-T2AL-2	A165K-T2AL-2	A	Round	LEFT	2 Pos. Spring return from right	27.78	26.04	25.17	24.30
653-A165K-T3M-2	A165K-T3M-2	A	Round	ALL	3 Position Maintained	27.78	26.04	25.17	24.30
653-A165K-A2M-2	A165K-A2M-2	B	Square	ALL	2 Pos. Maintained	27.78	26.04	25.17	24.30
653-A165K-A2AL-2	A165K-A2AL-2	B	Square	LEFT	2 Pos. Spring return from right	27.78	26.04	25.17	24.30
653-A165K-A3M-2	A165K-A3M-2	B	Square	ALL	3 Pos. Maintained	27.78	26.04	25.17	24.30
653-A165K-J2M-2	A165K-J2M-2	C	Rectangular	ALL	2 Pos. Maintained	27.78	26.04	25.17	24.30
653-A165K-J2AL-2	A165K-J2AL-2	C	Rectangular	LEFT	2 Pos. Spring return from right	27.78	26.04	25.17	24.30
653-A165K-J3M-2	A165K-J3M-2	C	Rectangular	ALL	3 Pos. Maintained	27.78	26.04	25.17	24.30

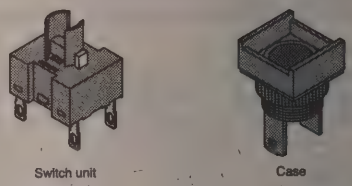


ACCESSORIES FOR 16MM SWITCHES

Replacement switch units, cases, and switch guards are for pushbutton switches.
Replacement caps, LEDs, incandescent lamps, and neon lamps are also available.
Contact Mouser for these items.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each 1	10	25	50
653-A16-1	A16-1	Replacement switch unit, SPDT Solder terminals	5.28	4.95	4.79	4.62
653-A16-2	A16-2	Replacement switch unit, DPDT Solder terminals	6.45	6.05	5.85	5.64
653-A16-1P	A16-1P	Replacement switch unit, SPDT PCB terminals	7.17	6.72	6.50	6.27
653-A16-2P	A16-2P	Replacement switch unit, DPDT PCB terminals	8.51	7.98	7.71	7.45
653-A165-CTM	A165-CTM	Replacement case, round, momentary action	4.03	3.78	3.65	3.53
653-A165-CAM	A165-CAM	Replacement case, square, momentary action	5.38	5.04	4.87	4.70
653-A165-CJM	A165-CJM	Replacement case, rectangular, momentary action	3.23	3.02	2.92	2.82
653-A165-CTA	A165-CTA	Replacement case, round, alternate action	3.85	3.61	3.49	3.37
653-A165-CAA	A165-CAA	Replacement case, square, alternate action	3.14	2.94	2.84	2.75
653-A165-CJA	A165-CJA	Replacement case, rectangular, alternate action	3.67	3.44	3.33	3.21



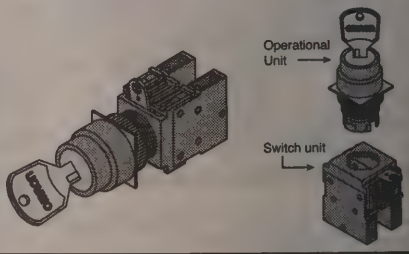
A22K SERIES: 22MM KEY TYPE SELECTOR SWITCHES

- Locking lever ensures easy mounting and removal of switch
- Finger safe contact blocks
- Install using either round, forked crimp terminals or ferrules
- Contact form: SPST-NO + SPST-NC
- Degree of protection: IP65
- Contact rating: 3A @ 30VDC/250VAC; 5A @ 125VAC

Each unit includes operational unit and switch unit.

For quantities of 100 and up, call for quote.

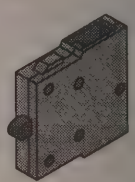
MOUSER STOCK NO.	Omron Part No.	Type of Lever	Number of Positions/ Reset Method	Price Each 1	10	25	50
653-A22K-2M-11	A22K-2M-11	Left-Right	2 Position Maintained	28.67	26.88	25.98	25.09
653-A22K-2AL-11	A22K-2AL-11	Left	2 Position Spring return from right	25.09	23.52	22.74	21.95
653-A22K-3M-11	A22K-3M-11	Left-Right	3 position Maintained	25.98	24.36	23.55	22.74
653-A22K-3AC-11	A22K-3AC-11	Center	3 Position Spring return from both	25.98	24.36	23.55	22.74



SWITCH BLOCKS FOR OMRON 22MM SWITCHES

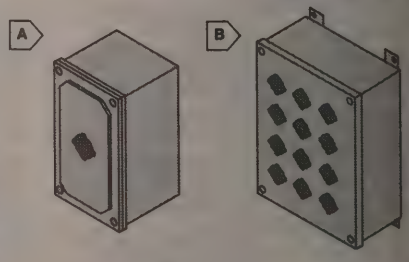
Replacement caps, LEDs, and various other tools are also available. Contact Mouser for these items.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each 1	10	25	50
653-A22-10	A22-10	Replacement switch block, SPST-NO, General Purp.	5.20	4.87	4.71	4.55
653-A22-10S	A22-10S	Replacement switch block, SPST-NO, Microload	12.54	11.76	11.37	10.98
653-A22-01	A22-01	Replacement switch block, SPST-NC, General Purp.	5.20	4.87	4.71	4.55
653-A22-01S	A22-01S	Replacement switch block, SPST-NC, Microload	12.54	11.76	11.37	10.98
653-A22-20	A22-20	Replacement switch block, DPST-NO, General Purp.	13.44	12.60	12.18	11.76
653-A22-20S	A22-20S	Replacement switch block, DPST-NO, Microload	18.82	17.64	17.05	16.46
653-A22-02	A22-02	Replacement switch block, DPST-NC, General Purp.	20.16	18.90	18.27	17.64
653-A22-02S	A22-02S	Replacement switch block, DPST-NC, Microload	18.82	17.64	17.05	16.46



ENCLOSURES FOR 22MM SWITCHES

MOUSER STOCK NO.	Hammond Part No.	Fig.	Type of Enclosure	Overall Dimensions	No. of Holes	Price Each 1	2	5	10
546-PJ744P221	PJ744P221	A	Polyester	6.74x3.93x3.88	1	27.89	26.49	25.17	23.91
546-PJ744P222	PJ744P222	A	Polyester	6.74x3.93x3.88	2	29.66	28.18	26.77	25.43
546-PJ944P223	PJ944P223	A	Polyester	8.99x3.93x3.88	3	31.46	29.89	28.39	26.97
546-MPB1	MPB1	B	Metallic	4.25x3.06x3.5	1	39.93	34.34	32.71	31.15
546-MPB2	MPB2	B	Metallic	6.13x3.06x3.5	2	44.80	38.53	36.69	34.94
546-MPB3	MPB3	B	Metallic	8.0x3.06x3.5	3	49.75	42.78	40.74	38.80
546-MPB4	MPB4	B	Metallic	9.88x3.06x3.05	4	54.68	47.02	44.78	42.65
546-MPB6	MPB6	B	Metallic, hinged	9.5x5.31x4.25	6	69.34	59.63	56.79	54.08
546-MPB9	MPB9	B	Metallic, hinged	9.5x6.81x4.25	9	77.49	66.64	63.46	60.44
546-MPB12	MPB12	B	Metallic, hinged	11.38x6.81x4.25	12	86.01	73.97	70.44	67.09
546-MPB16	MPB16	B	Metallic, hinged	11.38x8.31x4.25	16	107.17	92.16	87.78	83.60
546-MPB20	MPB20	B	Metallic, hinged	13.25x8.31x4.25	20	120.56	103.68	98.74	94.04
546-MPB25	MPB25	B	Metallic, hinged	13.25x9.81x4.25	25	136.39	117.29	111.71	106.39
546-MPB30	MPB30	B	Metallic, hinged	15.13x9.81x4.25	30	182.83	157.22	149.73	142.60



OMRON 16mm Selector Switches

OMRON INDUSTRIAL AUTOMATION

A165S SERIES: 16MM NON-ILLUMINATED KNOB-TYPE SELECTOR SWITCHES

Each unit includes protective case and switch unit.

For quantities of 100 and up, call for quote.

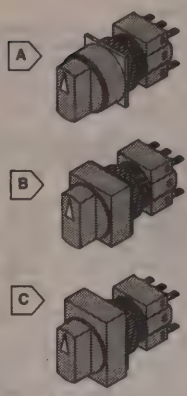
MOUSER STOCK NO.	Omron Part No.	Fig.	Shape of Flange	Number of Positions Reset Method	Price Each 1	10	25	50
653-A165S-T2M-2	A165S-T2M-2	A	Round	2 Position Maintained	17.02	15.96	15.43	14.90
653-A165S-T2A-2	A165S-T2A-2	A	Round	2 Pos. Spring return from right	17.02	15.96	15.43	14.90
653-A165S-T3M-2	A165S-T3M-2	A	Round	3 Position Maintained	17.02	15.96	15.43	14.90
653-A165S-T3A-2	A165S-T3A-2	A	Round	3 Pos. Spring return from both	17.02	15.96	15.43	14.90
653-A165S-A2M-2	A165S-A2M-2	B	Square	2 Position Maintained	17.02	15.96	15.43	14.90
653-A165S-A2A-2	A165S-A2A-2	B	Square	2 Pos. Spring return from right	17.02	15.96	15.43	14.90
653-A165S-A3M-2	A165S-A3M-2	B	Square	3 Position Maintained	17.02	15.96	15.43	14.90
653-A165S-A3A-2	A165S-A3A-2	B	Square	3 Pos. Spring return from both	17.02	15.96	15.43	14.90
653-A165S-J2M-2	A165S-J2M-2	C	Rectangular	2 Position Maintained	17.02	15.96	15.43	14.90
653-A165S-J2A-2	A165S-J2A-2	C	Rectangular	2 Pos. Spring return from right	17.02	15.96	15.43	14.90
653-A165S-J3M-2	A165S-J3M-2	C	Rectangular	3 Position Maintained	17.02	15.96	15.43	14.90
653-A165S-J3A-2	A165S-J3A-2	C	Rectangular	3 Pos. Spring return from both	17.02	15.96	15.43	14.90

A165W SERIES: 16MM ILLUMINATED KNOB-TYPE SELECTOR SWITCHES

Each unit includes protective case, LED, and switch unit.

For quantities of 100 and up, call for quote.

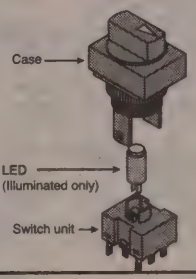
MOUSER STOCK NO.	Omron Part No.	Fig.	Shape of Flange	Sel./LED Color	Number of Positions Reset Method	Price Each 1	10	25	50
653-A165W-T2MR-24D-2	A165W-T2MR-24D-2	A	Round	Red	2 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-T2MY-24D-2	A165W-T2MY-24D-2	A	Round	Yellow	2 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-T2MG-24D-2	A165W-T2MG-24D-2	A	Round	Green	2 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-T2AR-24D-2	A165W-T2AR-24D-2	A	Round	Red	2 Pos. Spring return from right	21.50	20.16	19.49	18.82
653-A165W-T2AY-24D-2	A165W-T2AY-24D-2	A	Round	Yellow	2 Pos. Spring return from right	21.50	20.16	19.49	18.82
653-A165W-T2AG-24D-2	A165W-T2AG-24D-2	A	Round	Green	2 Pos. Spring return from right	21.50	20.16	19.49	18.82
653-A165W-T3MR-24D-2	A165W-T3MR-24D-2	A	Round	Red	3 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-T3MY-24D-2	A165W-T3MY-24D-2	A	Round	Yellow	3 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-T3MG-24D-2	A165W-T3MG-24D-2	A	Round	Green	3 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-A2MR-24D-2	A165W-A2MR-24D-2	B	Square	Red	2 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-A2MY-24D-2	A165W-A2MY-24D-2	B	Square	Yellow	2 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-A2MG-24D-2	A165W-A2MG-24D-2	B	Square	Green	2 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-A2AR-24D-2	A165W-A2AR-24D-2	B	Square	Red	2 Pos. Spring return from right	21.50	20.16	19.49	18.82
653-A165W-A2AY-24D-2	A165W-A2AY-24D-2	B	Square	Yellow	2 Pos. Spring return from right	21.50	20.16	19.49	18.82
653-A165W-A2AG-24D-2	A165W-A2AG-24D-2	B	Square	Green	2 Pos. Spring return from right	21.50	20.16	19.49	18.82
653-A165W-A3MR-24D-2	A165W-A3MR-24D-2	B	Square	Red	3 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-A3MY-24D-2	A165W-A3MY-24D-2	B	Square	Yellow	3 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-A3MG-24D-2	A165W-A3MG-24D-2	B	Square	Green	3 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-J2MR-24D-2	A165W-J2MR-24D-2	C	Rectangular	Red	2 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-J2MY-24D-2	A165W-J2MY-24D-2	C	Rectangular	Yellow	2 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-J2MG-24D-2	A165W-J2MG-24D-2	C	Rectangular	Green	2 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-J2AR-24D-2	A165W-J2AR-24D-2	C	Rectangular	Red	2 Pos. Spring return from right	21.50	20.16	19.49	18.82
653-A165W-J2AY-24D-2	A165W-J2AY-24D-2	C	Rectangular	Yellow	2 Pos. Spring return from right	21.50	20.16	19.49	18.82
653-A165W-J2AG-24D-2	A165W-J2AG-24D-2	C	Rectangular	Green	2 Pos. Spring return from right	21.50	20.16	19.49	18.82
653-A165W-J3MR-24D-2	A165W-J3MR-24D-2	C	Rectangular	Red	3 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-J3MY-24D-2	A165W-J3MY-24D-2	C	Rectangular	Yellow	3 Position Maintained	21.50	20.16	19.49	18.82
653-A165W-J3MG-24D-2	A165W-J3MG-24D-2	C	Rectangular	Green	3 Position Maintained	21.50	20.16	19.49	18.82



LED Specifications for Illuminated Switches:

- Rated current: 10mA
- Operating voltage: 24VDC
- Internal limiting resistor: 1600 Ohms

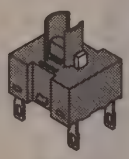
Note: Actual color of yellow pushbuttons more closely resembles amber than true yellow.



ACCESSORIES FOR 16MM SWITCHES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each 1	10	25	50
653-A16-1	A16-1	Replacement switch unit, SPDT Solder terminals	5.28	4.95	4.79	4.62
653-A16-2	A16-2	Replacement switch unit, DPDT Solder terminals	6.45	6.05	5.85	5.64
653-A16-1P	A16-1P	Replacement switch unit, SPDT PCB terminals	7.17	6.72	6.50	6.27
653-A16-2P	A16-2P	Replacement switch unit, DPDT PCB terminals	8.51	7.98	7.71	7.45
653-A165-CTM	A165-CTM	Replacement case, round, momentary action	4.03	3.78	3.65	3.53
653-A165-CAM	A165-CAM	Replacement case, square, momentary action	5.38	5.04	4.87	4.70
653-A165-CJM	A165-CJM	Replacement case, rectangular, momentary action	3.23	3.02	2.92	2.82
653-A165-CTA	A165-CTA	Replacement case, round, alternate action	3.85	3.61	3.49	3.37
653-A165-CAA	A165-CAA	Replacement case, square, alternate action	3.14	2.94	2.84	2.75
653-A165-CJA	A165-CJA	Replacement case, rectangular, alternate action	3.67	3.44	3.33	3.21


Switch unit

Case

Replacement switch units, cases, and switch guards are for pushbutton switches. Replacement caps, LEDs, incandescent lamps, and neon lamps are also available. Contact Mouser for these items.

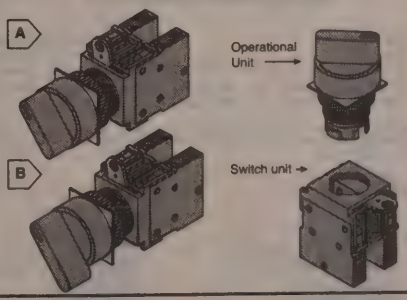
A22S SERIES: 22MM NON-ILLUMINATED SELECTOR SWITCHES

Locking lever ensures easy mounting and removal of switch
Finger safe contact blocks
Install using either round, forked crimp terminals or ferrules
Each unit includes operational unit and switch unit with contact blocks

- Contact form: SPST-NO + SPST-NC
- Degree of protection: IP65
- Contact rating: 3A @ 30VDC/250VAC

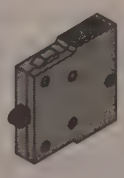
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Type of Lever	Number of Positions/ Reset Method	Price Each 1	10	25	50
653-A22S-2M-11	A22S-2M-11	A	Standard	2 Pos. Maintained	15.14	14.20	13.72	13.25
653-A22S-2A-11	A22S-2A-11	A	Standard	2 Pos. Spring return from right	16.13	15.12	14.62	14.11
653-A22S-3M-11	A22S-3M-11	A	Standard	3 Pos. Maintained	16.13	15.12	14.62	14.11
653-A22S-3A-11	A22S-3A-11	A	Standard	3 Pos. Spring return from both	16.13	15.12	14.62	14.11
653-A22S-C2M-11	A22S-C2M-11	B	Extended	2 Pos. Maintained	17.92	16.80	16.24	15.68
653-A22S-C2A-11	A22S-C2A-11	B	Extended	2 Pos. Spring return from right	17.92	16.80	16.24	15.68
653-A22S-C3M-11	A22S-C3M-11	B	Extended	3 Pos. Maintained	19.71	18.48	17.86	17.25
653-A22S-C3A-11	A22S-C3A-11	B	Extended	3 Pos. Spring return from both	19.71	18.48	17.86	17.25



SWITCH BLOCKS FOR OMRON 22MM SWITCHES

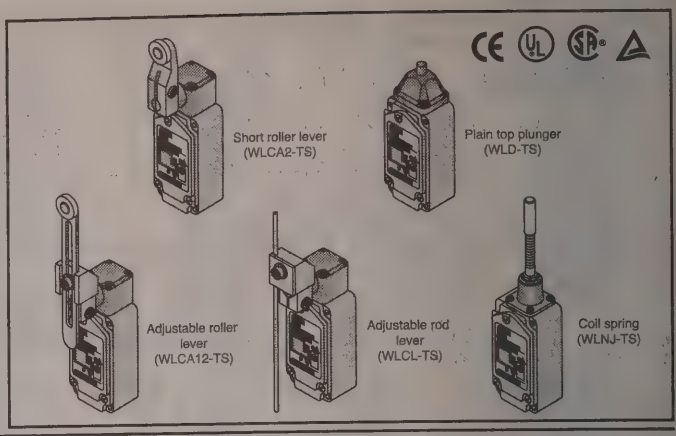
MOUSER STOCK NO.	Omron Part No.	Description	Price Each 1	10	25	50
653-A22-10	A22-10	Replacement switch block, SPST-NO, General Purp.	5.20	4.87	4.71	4.55
653-A22-10S	A22-10S	Replacement switch block, SPST-NO, Microload	12.54	11.76	11.37	10.98
653-A22-01	A22-01	Replacement switch block, SPST-NC, General Purp.	5.20	4.87	4.71	4.55
653-A22-01S	A22-01S	Replacement switch block, SPST-NC, Microload	12.54	11.76	11.37	10.98
653-A22-20	A22-20	Replacement switch block, DPST-NO, General Purp.	13.44	12.60	12.18	11.76
653-A22-20S	A22-20S	Replacement switch block, DPST-NO, Microload	18.82	17.64	17.05	16.46
653-A22-02	A22-02	Replacement switch block, DPST-NC, General Purp.	20.16	18.90	18.27	17.64
653-A22-02S	A22-02S	Replacement switch block, DPST-NC, Microload	18.82	17.64	17.05	16.46



WL SERIES: ROBUST GENERAL PURPOSE LIMIT SWITCH

Specifications:
- Class I protection against electric shock
- Contact ratings: NEMA A600, 10A @ 125VAC
- Mechanical life: 15 million operations
- Contact configuration: SPDT
- Enclosure ratings: UL - 3, 4, 13; NEMA - 1, 2, 3, 3R, 4, 5, 6, 12, 13; IEC 144-IP67

Features:
- Rugged diecast housing
- Oiltight, waterproof, dustproof construction
- High mechanical strength
- Switches with neon lamp or LED status indicator available



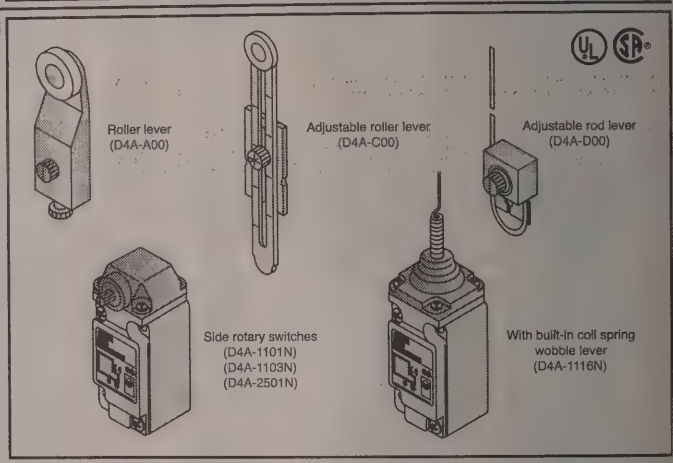
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Value	Actuator Type	Price Each		
Mfr.	Mfr. Part No.			1	10	25
653—WLCA2-TS		1.36 kg	Short roller lever	59.50	53.31	48.31
653—WLCA12-TS		1.36 kg	Adjustable roller lever	69.50	62.27	56.43
653—WLCL-TS		142 g	Adjustable rod lever	69.50	62.27	56.43
653—WLD-TS		2.72 kg	Plain top plunger	59.50	53.31	48.31
653—WLNJ-TS		150 g	Coil spring, 6.5mm dia.	69.50	62.27	56.43
Levers for WL Series						
653—WL-1A100		Short	roller lever, 38mm radius	10.20	9.14	8.28
653—WL-2A100			Adjustable roller lever	13.70	12.28	11.12
653—WL-4A100		Adjustable	rod lever, 140mm	15.80	14.16	12.83

D4A-N SERIES: DIVERSE GENERAL PURPOSE LIMIT SWITCH

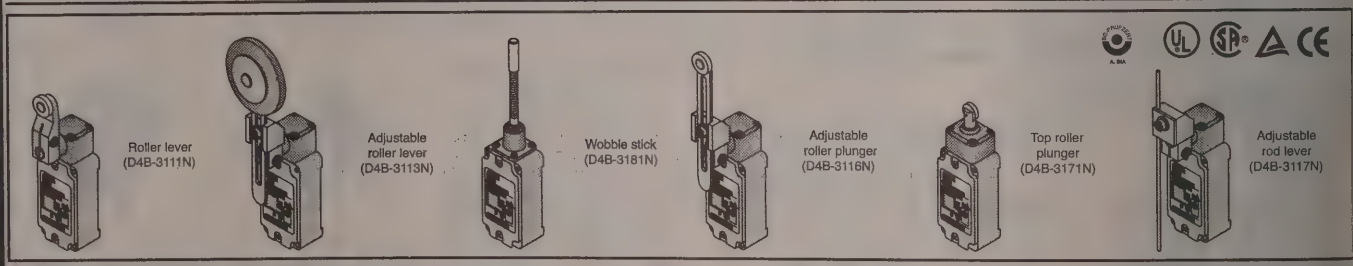
Specifications:
- Contact ratings: SPDT - NEMA A600, 10A @ 125VAC; DPDT - NEMAB600, 5A @ 120 VAC
- Mechanical life: SPDT - 50 million operations; DPDT - 30 million operations
- Conduit entrance: 1/2-14 NPT
- Enclosure ratings: UL - 3, 4, 4X, 6P,13; NEMA - 1, 2, 3, 4, 4X, 5, 6, 6P, 12, 13; IEC 144-IP67

Features:
- Plug-in construction
- Oiltight, waterproof, dustproof construction
- Side rotary switches accept a wide selection of levers
- Switches with neon lamp or LED status indicator available


Roller lever (D4A-A00)
Adjustable roller lever (D4A-C00)
Adjustable rod lever (D4A-D00)
Side rotary switches (D4A-1101N) (D4A-1103N) (D4A-2501N)
With built-in coil spring wobble lever (D4A-1116N)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Value	Actuator Type	Price Each		
Mfr.	Mfr. Part No.			1	10	25
Side Rotary Switches (Levers sold separately)						
653—D4A-1101N		4kg-cm	Standard, SPDT double break	58.50	52.42	47.50
653—D4A-1103N		2kg-cm	Low torque, SPDT double break	62.00	55.55	50.34
653—D4A-2501N		4kg-cm	Standard, DPDT double break	95.00	85.12	77.14
Switches with Built-in Actuators						
653—D4A-1116N		150g	Coil spring wobble lever, 6.5mm dia.	71.50	64.06	58.06
Levers for D4A Series						
653—D4A-A00			Roller lever, front mt., 38.1mm radius	13.70	12.28	11.12
653—D4A-C00			Adj. Roller lever, front mt.,33-91mm length	14.80	13.26	12.02
653—D4A-D00			Adj. Rod lever 150mm length	13.70	12.28	11.12



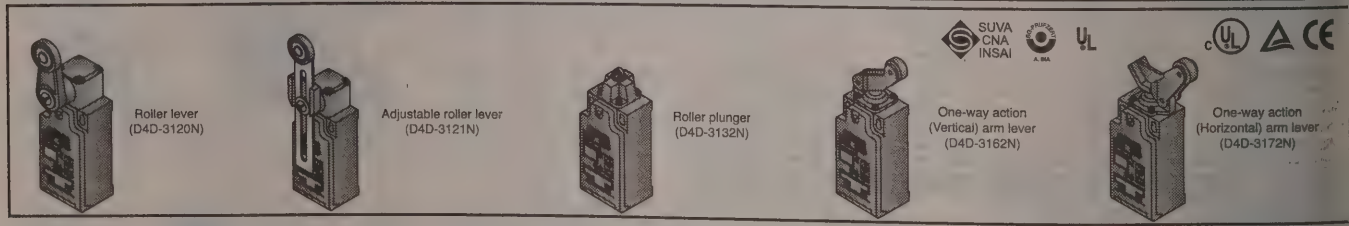
OMRON INDUSTRIAL AUTOMATION D4B-N SERIES: HEAVY DUTY SAFETY LIMIT SWITCHES

Specifications:
- Output current: 10A
- Supply voltage: 125 VAC
- Enclosure rating meets IP67 and NEMA 3, 4, 6P, and 13
- Contact configuration: SPDT 1NC/1NO

Features:
- Direct drive contacts to ensure contact opening of double break contacts even when contact welding occurs
- 4 position turret head

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Operating Force	Actuator Type	Price Each		
				1	10	25
653-D4B-3111N	D4B-3111N	960 g	Roller lever	74.50	66.75	60.49
653-D4B-3113N	D4B-3113N	740 g	Adj. roller lever	69.00	61.82	56.03
653-D4B-3116N	D4B-3116N	960 g	Adj. roller lever	78.50	70.34	63.74
653-D4B-3117N	D4B-3117N	216 g	Adj. rod lever	78.50	70.34	63.74
653-D4B-3171N	D4B-3171N	1900 g	Top roller plunger	73.50	65.86	59.68
653-D4B-3181N	D4B-3181N	150 g	Wobble stick	71.00	63.82	57.65


Roller lever (D4D-3120N)
Adjustable roller lever (D4D-3121N)
Roller plunger (D4D-3132N)
One-way action (Vertical) arm lever (D4D-3162N)
One-way action (Horizontal) arm lever (D4D-3172N)

OMRON INDUSTRIAL AUTOMATION D4D-N SERIES: MINIATURE SAFETY LIMIT SWITCHES

Specifications:
- Output current: 5A
- Supply voltage: 125 VAC
- Enclosure rating meets IP67 and NEMA 3, 4, 6P, and 13
- Contact configuration: SPDT 1NC/1NO

Features:
- Positive opening mechanism
- Economical plastic body
- 4 position turret head

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Operating Force	Actuator Type	Price Each		
				1	10	25
653-D4D-3120N	D4D-3120N	4.9 N	Roller lever	22.00	19.71	17.86
653-D4D-3121N	D4D-3121N	4.2 N	Adjustable roller lever	25.50	22.85	20.71
653-D4D-3132N	D4D-3132N	6.4 N	Roller plunger	21.00	18.82	17.05
653-D4D-3162N	D4D-3162N	3.9 N	One-way action (Vertical) arm lever	21.00	18.82	17.05
653-D4D-3172N	D4D-3172N	4.4 N	One-way action (Horizontal) arm lever	22.00	19.71	17.86

OMRON Limit and Safety Switches

OMRON INDUSTRIAL AUTOMATION

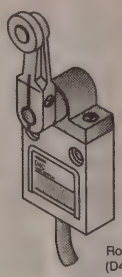
D4C SERIES: SLIM PRE-WIRED LIMIT SWITCHES

Specifications:
- Switching capacity: 5A @ 125 VAC
- Contact Configuration: SPDT
- Termination configuration: Plug-in
- Pre-wired with 3M (9.8ft.) of SJTO cable
- Mechanical Service Life: 10 million operations minimum
- Degree of protection: UL - 3, 4, 13; NEMA - 1, 3, 3R, 4, 5, 6, 12, 13; IEC 144 - IP67

Features:
- Rugged diecast housing
- Triple-sealed construction
- Designed for easy gang mounting
- Ideal for limited access areas

Pin plunger (D4C-1601)

Roller plunger (D4C-1602)


Roller lever (D4C-1603)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Operating Force	Actuator Type	Price Each 1	10	25
653-D4C-1601	D4C-1601	1.2 kg	Pin plunger	58.50	52.42	47.50
653-D4C-1602	D4C-1602	1.2 kg	Roller plunger	58.50	52.42	47.50
653-D4C-1620	D4C-1620	580 g	Roller lever	71.50	64.06	58.06

D4DS SERIES: MINIATURE SAFETY DOOR SWITCHES

Specifications:
- Switching capacity: 10A @ 125 VAC (Slow acting)
- Conduit Type: 1/2-1/4 NPT
- Degree of protection: IP67 (EN 60529); Type 4 (UL/CSA)
- Indoor use only
- Plastic body

Features:
- Compact and economical
- Entry points for insertion key on top and side
- Four unique head mounting positions
- Double insulation
- Protective insert for unused entry point

(D4DS-3AFS) (D4DS-35FS)

Horizontal key (D4DS-K1)

Vertical key (D4DS-K1)

Adjustable horizontal key (D4DS-K3)

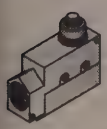
For quantities of 50 and up, call for quote.

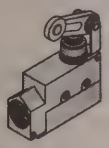
MOUSER STOCK NO.	Omron Part No.	Contact Configuration	Price Each 1	10	25
653-D4DS-3AFS	D4DS-3AFS	DPST 2NC	42.50	38.08	34.51
653-D4DS-35FS	D4DS-35FS	DPST 1NO/1NC	42.50	38.08	34.51
		Description			
653-D4DS-K1	D4DS-K1	Horizontal key	5.60	5.02	4.55
653-D4DS-K2	D4DS-K2	Vertical key	5.60	5.02	4.55
653-D4DS-K3	D4DS-K3	Adjustable horizontal key	16.70	14.96	13.56

ZE SERIES: SIDE-MOUNTING ENCLOSED LIMIT SWITCHES

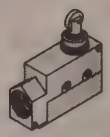
Specifications:
- Switching capacity: 15A @ 125 VAC
- Contact Configuration: SPDT
- Conduit Type: 1/2-1/4 NPT
- Mechanical Service Life: 10 million operations minimum
- Degree of protection: UL - 3, 4, 13; NEMA - 1, 2, 3, 4, 5, 6, 12, 13; IEC 144 - IP65

Features:
- Rugged diecast housing
- Sealed (booted) construction


Sealed pin plunger (ZE-N-2S)


Sealed roller arm lever (ZE-NA2-2S)

Sealed coil spring (ZE-NJ-2S)


Sealed roller punger (ZE-N22-2S)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Operating Force	Actuator Type	Price Each 1	10	25
653-ZE-N-2S	ZE-N-2S	800 g	Sealed pin plunger	34.50	30.91	28.01
653-ZE-NA2-2S	ZE-NA2-2S	640 g	Sealed roller arm lever	44.50	39.87	36.13
653-ZE-NJ-2S	ZE-NJ-2S	150 g	Sealed coil spring	45.50	40.77	36.95
653-ZE-N22-2S	ZE-N22-2S	500 g	Sealed roller plunger	47.50	42.56	38.57

D4BS SERIES: SAFETY DOOR SWITCHES

Specifications:
- Switching capacity: 10A @ 600 VAC
- Conduit Type: 1/2-1/4 NPT
- Degree of protection: IP67 (IEC 529)
- Mounting pitch and shape of switch box conforms to CENELEC EN50041

Features:
- Rugged diecast housing
- Entry points for insertion key on top and side
- Four unique head mounting positions
- Key pulls contacts apart
- Protective insert for unused entry point

(D4BS-3AFS) (D4BS-35FS)

Horizontal key (D4BS-K1)

Vertical key (D4BS-K2)

Adjustable horizontal key (D4BS-K3)

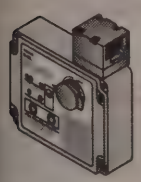
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Contact Configuration	Price Each 1	10	25
653-D4BS-3AFS	D4BS-3AFS	DPST 2NC	57.50	51.52	46.69
653-D4BS-35FS	D4BS-35FS	DPST 1NO/1NC	57.50	51.52	46.69
		Description			
653-D4BS-K1	D4BS-K1	Horizontal key	6.90	6.18	5.60
653-D4BS-K2	D4BS-K2	Vertical key	7.90	7.08	6.41
653-D4BS-K3	D4BS-K3	Adjustable horizontal key	24.50	21.95	19.89

D4BL SERIES: SAFETY DOOR LOCK SWITCHES

Specifications:
- Switching capacity: 10A @ 250 VAC
- Termination Configuration: Equipped with horizontal and vertical openings for 1/2-14 NPT conduit
- IP67 switch box enclosure rating (EN6059/IEC 529)
- Release voltage: D4BL -3CRA = 24 VDC
  D4BL -3CRB = 110 VAC

Features:
- This switch ensures that protected doors are locked until machine completely stops operation
- Dedicated release lock for easy maintenance and door-unlock at power failure
- Rugged aluminum diecast housing
- Four unique head mounting positions


(D4BL-3CRA) (D4BL-3CRB)

Horizontal key (D4BL-K1)

Vertical key (D4BL-K2)

Adjustable horizontal key (D4BL-K3)

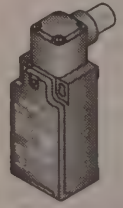
For quantities of 50 and up, call for quote.

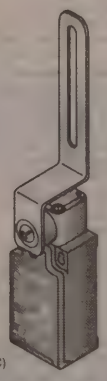
MOUSER STOCK NO.	Omron Part No.	Contact Configuration	Price Each 1	10	25
653-D4BL-3CRA	D4BL-3CRA	DPDB -1NC/1NO + DPDB - 1NC	327.00	292.99	265.52
653-D4BL-3CRB	D4BL-3CRB	DPDB -1NC/1NO + DPDB - 1NC	327.00	292.99	265.52
		Description			
653-D4BL-K1	D4BL-K1	Horizontal key	7.90	7.08	6.41
653-D4BL-K2	D4BL-K2	Vertical key	9.40	8.42	7.63
653-D4BL-K3	D4BL-K3	Adjustable horizontal key	24.50	21.95	19.89

D4DH SERIES: SAFETY HINGED DOOR SWITCHES

Specifications:
- Switching capacity: 10A @ 125 VAC
- Conduit Type: 1/2-1/4 NPT
- IP67 polymer housing

Features:
- Double insulation structure
- Four unique head mounting positions


Shaft (D4DH-35AS)


Arm lever (D4DH-35BC)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Actuator Type	Contact Configuration	Price Each 1	10	25
653-D4DH-35AS	D4DH-35AS	Shaft	DPST 1NO/1NC	59.50	53.31	48.31
653-D4DH-35BC	D4DH-35BC	Arm lever	DPST 1NO/1NC	61.00	54.66	49.53

Omron Limit Switches

OMRON High Frequency Relays

OMRON ELECTRONIC COMPONENTS

Meet the growing demand for wireless communication with Omron's new RF relays. The G6K-RF, G6Z, G6Y, and G6W are the smallest relays of their type on the market!

Features:
- Low power consumption
- Good isolation characteristics
- G6Z's characteristic impedance allows it to work at both 50 Ω and 75Ω, which provides versatility and ease of use for varying design needs.
- G6Z and G6W feature both a "Y" and "E" input/output arrangement that provides designers the ability to lay out a PC board without the need for extra tracings and patterns.

Applications:
- Wireless infrastructure equipment
  - Filter and duplex switching
  - Antenna switching
  - Amplifiers
- G6Z and G6Y may also be used in cable TV boxes and satellite equipment
- G6K-RF is ideal for instrumentation and high-speed LAN networks

OMRON G6Y SERIES: 900MHZ SPDT HIGH FREQUENCY RELAYS

Features:
- Ideal for cable TV, HDTV, cellular, satellite communications, VCRs
- Fully sealed construction
- Form, fit, and function replacement to G5Y relay with improved characteristics

Specifications:
- Insertion loss: 0.5dB max. @ 900MHz
- Max. carry power: 10W
- Power consumption: 200mW

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	25	50	100
653-G6Y-1-DC4.5	G6Y-1-DC4.5	A1	45 mA	4.5	112	4.12	3.66	3.23	2.90
653-G6Y-1-DC5	G6Y-1-DC5	A1	40 mA	5	125	4.12	3.66	3.23	2.90
653-G6Y-1-DC12	G6Y-1-DC12	A1	16.7 mA	12	720	4.12	3.66	3.23	2.90
653-G6Y-1-DC24	G6Y-1-DC24	A1	8.3 mA	24	2880	4.12	3.66	3.23	2.90

OMRON G6K-RF SERIES: 1GHZ DPDT COMPACT HIGH FREQUENCY RELAYS

Features:
- Ideal for instrumentation and high-speed LAN network equipment
- Gull-wing surface mount terminals
- Handles 1A, 30VDC and 1W @ 1GHz high frequency load

Specifications:
- Insertion loss: 0.2dB max. @ 1GHz
- Max. transmission capacity: 3W
- Rated power consumption: 100mV

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	10	25	50
653-G6K-2F-RF-DC3	G6K-2F-RF-DC3	B2	33 mA	3	91	25.30	22.59	20.21	17.84
653-G6K-2F-RF-DC4.5	G6K-2F-RF-DC4.5	B2	23.2 mA	4.5	194	25.30	22.59	20.21	17.84
653-G6K-2F-RF-DC5	G6K-2F-RF-DC5	B2	21.1 mA	5	237	25.30	22.59	20.21	17.84
653-G6K-2F-RF-DC12	G6K-2F-RF-DC12	B2	9.1 mA	12	1315	25.30	22.59	20.21	17.84

OMRON G6W SERIES: 5 GHZ SPDT MINIATURE HIGH FREQUENCY RELAYS

Features:
- Applications include mobile phone base station, wireless LAN, and measurement devices.
- Y-shape terminal arrangement simplifies wiring to PCBs
- Fully sealed construction

Specifications:
- Insertion loss: 0.4 dB max. @ 5GHz
- Power consumption: 200mW
- Rated carry current: 0.5A
- Single-side stable function

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	10	25	50
PCB Thru-hole									
653-G6W-1F-DC4.5	G6W-1F-DC4.5	C3	44.4 mA	4.5	101	112.50	108.00	101.25	89.78
653-G6W-1F-DC12	G6W-1F-DC12	C3	16.7 mA	12	720	112.50	108.00	101.25	89.78
653-G6W-1F-DC24	G6W-1F-DC24	C3	8.3 mA	24	2880	112.50	108.00	101.25	89.78
Surface Mount									
653-G6W-1P-DC4.5	G6W-1P-DC4.5	D4	44.4 mA	4.5	101	112.50	108.00	101.25	89.78
653-G6W-1P-DC12	G6W-1P-DC12	D4	16.7 mA	12	720	112.50	108.00	101.25	89.78
653-G6W-1P-DC24	G6W-1P-DC24	D4	8.3 mA	24	2880	112.50	108.00	101.25	89.78

OMRON G6Z SERIES: 2.6 GHZ SPDT SURFACE MOUNT HIGH FREQUENCY RELAYS

Features:
- Non-latching
- Fully sealed construction
- Isolation: E-shape-30dB min @ 2.6GHz
  Y-shape-40dB min @ 2.6GHz

Specifications:
- Insertion loss: 75Ω - 0.5dB @ 2.6GHz; 50Ω - 0.3dB @ 2.6GHz
- Power consumption: 200mW
- Rated carry current: 0.5A

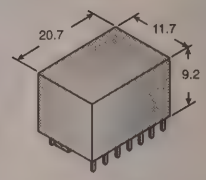
Packaged in tubes of 25 pcs. Also available on tape and reel or in through-hole.
Contact Mouser for these options.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res.	Price Each 1	25	50	100
E-Shape Terminals, 75Ω Impedance									
653-G6Z-1FE-DC3	G6Z-1FE-DC3	E5	66.7	3	45	5.05	4.51	4.04	3.32
653-G6Z-1FE-DC4.5	G6Z-1FE-DC4.5	E5	44.4	4.5	101.3	5.05	4.51	4.04	3.32
653-G6Z-1FE-DC5	G6Z-1FE-DC5	E5	40.0	5	125	5.05	4.51	4.04	3.32
653-G6Z-1FE-DC9	G6Z-1FE-DC9	E5	22.2	9	405	5.05	4.51	4.04	3.32
653-G6Z-1FE-DC12	G6Z-1FE-DC12	E5	16.7	12	720.4	5.26	4.70	4.21	3.46
E-Shape Terminals, 50Ω Impedance									
653-G6Z-1FE-A-DC3	G6Z-1FE-A-DC3	E5	66.7	3	45	5.47	4.88	4.37	3.60
653-G6Z-1FE-A-DC4.5	G6Z-1FE-A-DC4.5	E5	44.4	4.5	101.3	5.47	4.88	4.37	3.60
653-G6Z-1FE-A-DC5	G6Z-1FE-A-DC5	E5	40.0	5	125	5.47	4.88	4.37	3.60
653-G6Z-1FE-A-DC9	G6Z-1FE-A-DC9	E5	22.2	9	405	5.47	4.88	4.37	3.60
653-G6Z-1FE-A-DC12	G6Z-1FE-A-DC12	E5	16.7	12	720.4	5.47	4.88	4.37	3.60
653-G6Z-1FE-A-DC24	G6Z-1FE-A-DC24	E5	8.3	24	2880.1	5.47	4.88	4.37	3.60
Y-Shape Terminals, 75Ω Impedance									
653-G6Z-1F-DC3	G6Z-1F-DC3	E6	66.7	3	45	5.47	4.88	4.37	3.60
653-G6Z-1F-DC4.5	G6Z-1F-DC4.5	E6	44.4	4.5	101.3	5.47	4.88	4.37	3.60
653-G6Z-1F-DC5	G6Z-1F-DC5	E6	40.0	5	125	5.47	4.88	4.37	3.60
653-G6Z-1F-DC9	G6Z-1F-DC9	E6	22.2	9	405	5.47	4.88	4.37	3.60
653-G6Z-1F-DC12	G6Z-1F-DC12	E6	16.7	12	720.4	5.47	4.88	4.37	3.60

DIMENSIONS (mm)

A



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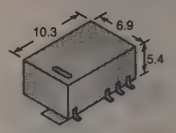

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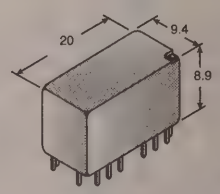

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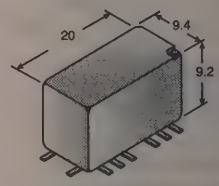

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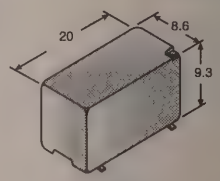

TERMINAL ARRANGEMENT

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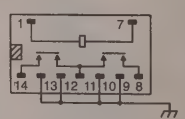

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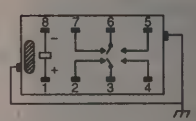

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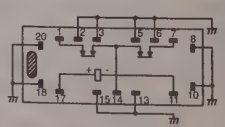

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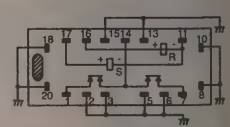

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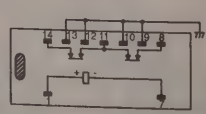

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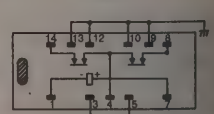


MOUSER ELECTRONICS a tti company
(800) 346-6873

AXICOM Low Signal Relays

AXICOM IM SERIES: LOW PROFILE 2A POLARIZED LOW SIGNAL RELAYS

UL Recognized
File No. E111441

Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 2A
- Surface mount product tape and reel packaging
- Contact material: Palladium-ruthenium, gold-covered
- Contact assembly: Bifurcated contacts
- Immersion cleanable, IP67 degree of protection

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each 1	25	50	100
Non-latching										
655-IM03TS	IM03TS	A1	5	Through-hole	140mW	178	2.83	2.54	2.26	2.03
655-IM06TS	IM06TS	A1	12	Through-hole	140mW	1028	2.83	2.54	2.26	2.03
655-IM07TS	IM07TS	A1	24	Through-hole	200mW	2440	3.73	3.35	2.98	2.68
655-IM03GR	IM03GR	B1	5	SMD Gull Wing	140mW	178	3.18	2.86	2.54	2.29
655-IM06GR	IM06GR	B1	12	SMD Gull Wing	140mW	1028	3.50	3.15	2.80	2.52
655-IM07GR	IM07GR	B1	24	SMD Gull Wing	200mW	2440	4.13	3.71	3.30	2.97
Single-coil latching										
655-IM43TS	IM43TS	A2	5	Through-hole	100mW	250	3.28	2.95	2.62	2.36
655-IM46TS	IM46TS	A2	12	Through-hole	100mW	1028	3.70	3.33	2.96	2.66
655-IM47TS	IM47TS	A2	24	Through-hole	100mW	2440	4.75	4.28	3.80	3.42
655-IM43GR	IM43GR	B2	5	SMD Gull Wing	100mW	250	3.55	3.20	2.84	2.56
655-IM46GR	IM46GR	B2	12	SMD Gull Wing	100mW	1028	3.98	3.58	3.18	2.86
655-IM47GR	IM47GR	B2	24	SMD Gull Wing	100mW	2440	5.15	4.64	4.12	3.71

AXICOM P2 (V23079): SLIM CASE 5A POLARIZED LOW SIGNAL RELAYS

UL Recognized
File No. E111441

Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 5A
- Surface mount product tape and reel packaging
- Contact material: Silver nickel, gold-covered
- Contact assembly: Bifurcated contacts
- Immersion cleanable, IP67 degree of protection

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each 1	25	50	100
Non-latching										
655-V23079A1001B301	V23079A1001B301	C3	5	Through-hole	140 mW	178	2.23	2.00	1.78	1.60
655-V23079A1003B301	V23079A1003B301	C3	12	Through-hole	140 mW	1029	2.23	2.00	1.78	1.60
655-V23079A1005B301	V23079A1005B301	C3	24	Through-hole	140 mW	4114	2.43	2.18	1.94	1.75
655-V23079D1003B301	V23079D1003B301	D3	12	SMD long pins	140 mW	1029	2.45	2.21	1.96	1.76
655-V23079D1005B301	V23079D1005B301	D3	24	SMD long pins	140 mW	4114	2.68	2.41	2.14	1.93
Single-coil latching										
655-V23079C1101B301	V23079C1101B301	C4	5	Through-hole	70mW	357	2.60	2.34	2.08	1.87
655-V23079C1103B301	V23079C1103B301	C4	12	Through-hole	70mW	2057	2.48	2.23	1.98	1.78
Dual-coil latching										
655-V23079B1201B301	V23079B1201B301	C5	5	Through-hole	140mW	178	2.60	2.34	2.08	1.87
655-V23079B1203B301	V23079B1203B301	C5	12	Through-hole	140mW	1029	2.60	2.34	2.08	1.87
655-V23079B1205B301	V23079B1205B301	C5	24	Through-hole	140mW	4114	2.80	2.52	2.24	2.02

AXICOM FX2 SERIES: SLIM CASE 3A NON-POLARIZED LOW SIGNAL RELAYS

UL Recognized
File No. E111441

Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 3A
- Contact material: Palladium-ruthenium, gold covered
- Contact assembly: Bifurcated contacts
- Immersion cleanable, IP67 degree of protection

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each 1	25	50	100
Non-latching										
655-D3209	D3209	E6	5	Through-hole	140mW	178	2.18	1.96	1.74	1.57
655-D3202	D3202	E6	12	Through-hole	140mW	1028	2.18	1.96	1.74	1.57
655-D3212	D3212	E6	24	Through-hole	200mW	2880	2.38	2.14	1.90	1.71
Non-latching, high sensitivity										
655-D3223	D3223	E6	5	Through-hole	80mW	313	2.93	2.63	2.34	2.11
655-D3226	D3226	E6	12	Through-hole	80mW	1800	2.93	2.63	2.34	2.11
655-D3227	D3227	E6	24	Through-hole	140mW	4114	3.13	2.81	2.50	2.25
Single-coil latching										
655-D3243	D3243	E7	5	Through-hole	100mW	250	2.43	2.18	1.94	1.75
655-D3246	D3246	E7	12	Through-hole	100mW	1440	2.43	2.18	1.94	1.75
655-D3247	D3247	E7	24	Through-hole	150mW	3840	2.63	2.36	2.10	1.89

AXICOM FT2 SERIES: SLIM CASE 2A NON-POLARIZED LOW SIGNAL RELAYS

UL Recognized
File No. E111441

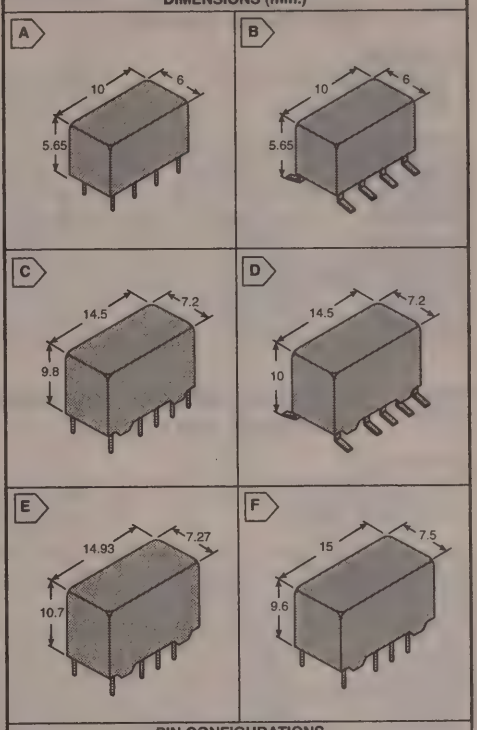
Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 2A
- Contact assembly: Bifurcated contacts
- Contact material (Standard version): Silver nickel, gold-covered
- Contact material (High dielectric version): Palladium-ruthenium, gold covered
- Immersion cleanable, IP67 degree of protection

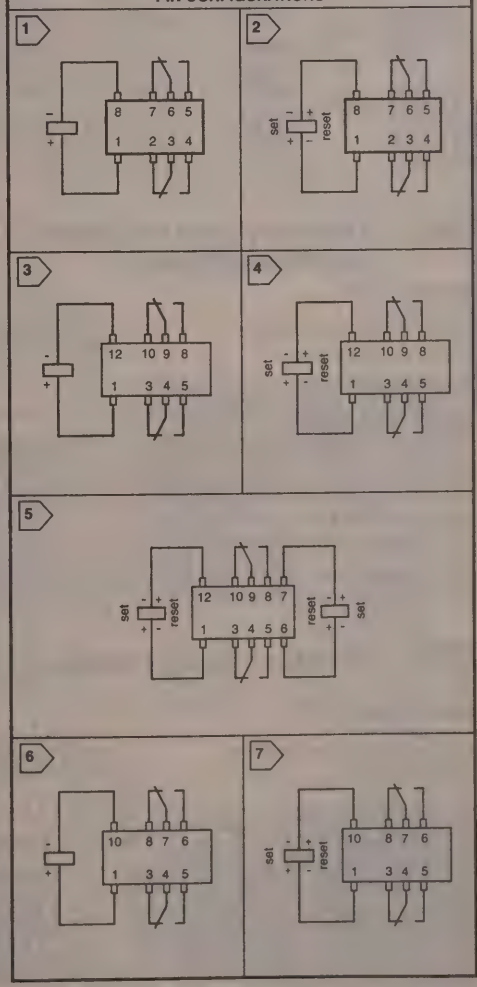
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each 1	25	50	100
Non-latching										
655-D3403	D3403	F6	5	Through-hole	300mW	83	2.05	1.85	1.64	1.48
655-D3406	D3406	F6	12	Through-hole	300mW	480	2.05	1.85	1.64	1.48
655-D3407	D3407	F6	24	Through-hole	300mW	1920	2.25	2.03	1.80	1.62
Non-latching, high sensitivity										
655-D3423	D3423	F6	5	Through-hole	200mW	125	2.18	1.96	1.74	1.57
655-D3426	D3426	F6	12	Through-hole	200mW	720	2.18	1.96	1.74	1.57
655-D3427	D3427	F6	24	Through-hole	240mW	2400	2.38	2.14	1.90	1.71
Non-latching, high dielectric										
655-D3493	D3493	F6	5	Through-hole	200mW	125	2.55	2.30	2.04	1.84
655-D3496	D3496	F6	12	Through-hole	200mW	720	2.55	2.30	2.04	1.84

DIMENSIONS (mm.)



PIN CONFIGURATIONS



AXICOM Low Signal Relays

AXICOM FU2 SERIES: SLIM CASE 2A NON-POLARIZED LOW SIGNAL RELAYS

UL Recognized
File No. E111441

Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 2A
- Contact material: Silver-nickel, gold-covered
- Immersion cleanable, IP67 degree of protection
- Contact assembly: Bifurcated contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each 1	25	50	100
Non-latching										
655-D3503W	D3503W	A1	5	SMD long pins	300mW	83	2.28	2.05	1.82	1.64
655-D3506W	D3506W	A1	12	SMD long pins	300mW	480	2.28	2.05	1.82	1.64
655-D3507W	D3507W	A1	24	SMD long pins	300mW	1920	2.50	2.25	2.00	1.80
Non-latching, high sensitivity										
655-D3523W	D3523W	A1	5	SMD long pins	200mW	125	2.45	2.21	1.96	1.76
655-D3526W	D3526W	A1	12	SMD long pins	200mW	720	2.45	2.21	1.96	1.76
655-D3527W	D3527W	A1	24	SMD long pins	240mW	2400	2.68	2.41	2.14	1.93

AXICOM FP2 SERIES: LOW PROFILE 2A POLARIZED LOW SIGNAL RELAYS

UL Recognized
File No. E111441

Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 2A
- Contact material: Silver nickel, gold-covered
- Immersion cleanable, IP67 degree of protection
- Contact assembly: Bifurcated contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each 1	25	50	100
Non-latching										
655-D3009	D3009	B2	5	Through-hole	140 mW	178	2.23	2.00	1.78	1.60
655-D3002	D3002	B2	12	Through-hole	140 mW	1028	2.23	2.00	1.78	1.60
655-D3012	D3012	B2	24	Through-hole	200mW	2880	2.43	2.18	1.94	1.75
Non-latching, high sensitivity										
655-D3023	D3023	B2	5	Through-hole	80mW	313	2.98	2.68	2.38	2.14
655-D3026	D3026	B2	12	Through-hole	80mW	1800	2.98	2.68	2.38	2.14
655-D3027	D3027	B2	24	Through-hole	140mW	4114	3.18	2.86	2.54	2.29
Single-coil latching										
655-D3043	D3043	B3	5	Through-hole	100mW	250	2.48	2.23	1.98	1.78
655-D3046	D3046	B3	12	Through-hole	100mW	1440	2.48	2.23	1.98	1.78
655-D3047	D3047	B3	24	Through-hole	150mW	3840	2.68	2.41	2.14	1.93
Dual-coil latching										
655-D3063	D3063	B4	5	Through-hole	200mW	125	2.60	2.34	2.08	1.87
655-D3066	D3066	B4	12	Through-hole	200mW	720	2.60	2.34	2.08	1.87
655-D3067	D3067	B4	24	Through-hole	300mW	1920	2.80	2.52	2.24	2.02

AXICOM D2N (V23105) SERIES: 3A NON-POLARIZED LOW SIGNAL RELAYS

UL Recognized
File No. E111441

Specifications:

- Non-latching coil
- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 3A
- Contact material: Silver-nickel, gold covered
- Immersion cleanable, IP67 degree of protection
- Contact assembly: Single contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each 1	25	50	100
655-V23105A5001A201	V23105A5001A201	C5	5	Through-hole	150 mW	167	1.75	1.58	1.40	1.26
655-V23105A5003A201	V23105A5003A201	C5	12	Through-hole	150 mW	960	1.75	1.58	1.40	1.26
655-V23105A5005A201	V23105A5005A201	C5	24	Through-hole	150 mW	3480	1.85	1.67	1.48	1.33
655-V23105A5301A201	V23105A5301A201	C5	5	Through-hole	200 mW	125	1.75	1.58	1.40	1.26
655-V23105A5303A201	V23105A5303A201	C5	12	Through-hole	200 mW	720	1.75	1.58	1.40	1.26
655-V23105A5305A201	V23105A5305A201	C5	24	Through-hole	200 mW	2880	1.85	1.67	1.48	1.33
655-V23105A5401A201	V23105A5401A201	C5	5	Through-hole	400 mW	62	1.73	1.55	1.38	1.24
655-V23105A5403A201	V23105A5403A201	C5	12	Through-hole	400 mW	360	1.73	1.55	1.38	1.24
655-V23105A5405A201	V23105A5405A201	C5	24	Through-hole	400 mW	1440	1.80	1.62	1.44	1.30

AXICOM P1 (V23026) SERIES: 1A LOW SIGNAL RELAYS

UL Recognized
File No. E111441

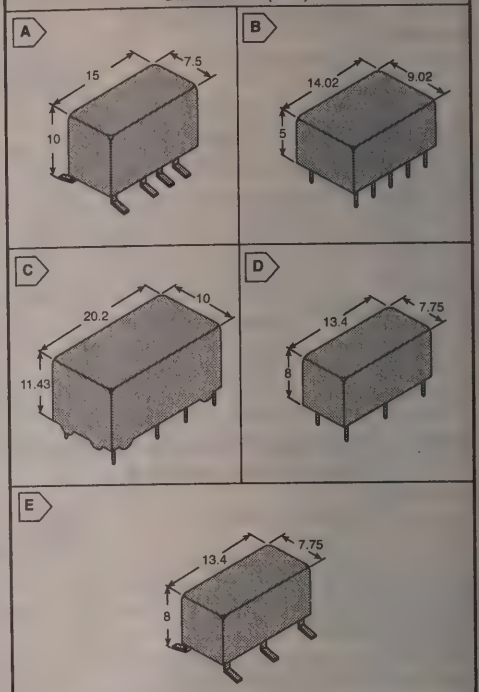
Specifications:

- Non-latching coil
- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 1A
- Contact material: Palladium nickel, gold-ruthenium covered
- Immersion cleanable, IP67 degree of protection
- Contact assembly: Single contacts

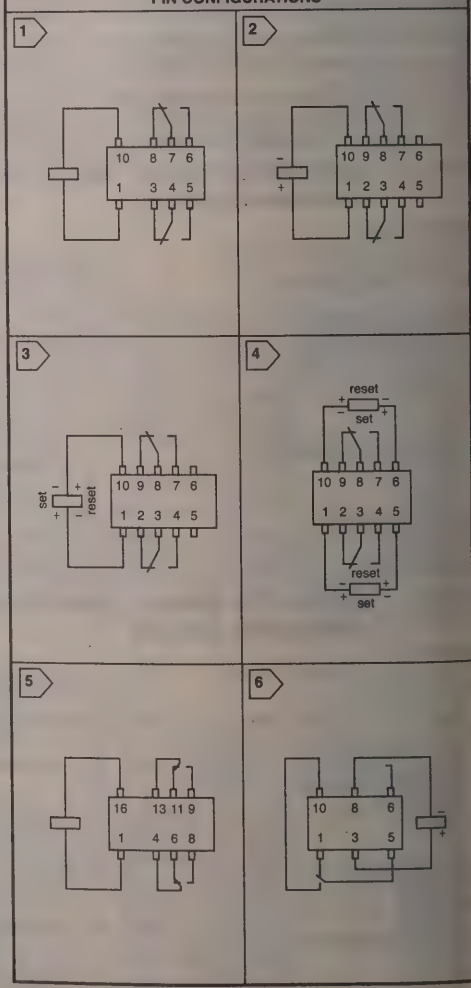
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each 1	25	50	100
655-V23026A1001B201	V23026A1001B201	D6	5	Through-hole	68	370	3.98	3.58	3.18	2.86
655-V23026A1002B201	V23026A1002B201	D6	12	Through-hole	64	2250	3.98	3.58	3.18	2.86
655-V23026A1004B201	V23026A1004B201	D6	24	Through-hole	128	4500	4.28	3.85	3.42	3.08
655-V23026D1021XB	V23026D1021XB	E6	5	SMD Gull Wing	80	313	3.98	3.58	3.18	2.86
655-V23026D1022XB	V23026D1022XB	E6	12	SMD Gull Wing	80	1800	3.98	3.58	3.18	2.86
655-V23026D1024XB	V23026D1024XB	E6	24	SMD Gull Wing	128	4500	3.98	3.58	3.18	2.86

DIMENSIONS (mm.)



PIN CONFIGURATIONS



FUJITSU Signal Relays

FUJITSU

A SERIES MINIATURE RELAYS

Features:
- 2 Poles - 1 to 2 A (for signal switching)
- Extremely low profile and light weight
- UL, CSA recognized
- High Reliability - bifurcated contacts
- Plastic Sealed type
- Contact Form: DPDT
- Height: 5mm
- Weight: approx. 1.2g
- Wide Operating range
- DIL through-hole terminals

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-A-3W-K	A-3W-K	A	3	64.3Ω	140 mW	2.98	2.53	2.16	1.98
817-A-5W-K	A-5W-K	A	5	178Ω	140 mW	2.98	2.53	2.16	1.98
817-A-12W-K	A-12W-K	A	12	1,028Ω	140 mW	3.05	2.60	2.22	2.03
817-A-24W-K	A-24W-K	A	24	2,880Ω	200 mW	3.13	2.66	2.27	2.08
817-A-48W-K	A-48W-K	A	48	7,680Ω	300 mW	3.35	2.85	2.44	2.23

FBR46 SERIES MINIATURE RELAYS

Features:
- 2 Poles - 1 to 2 A (for signal switching)
- Miniature size
- Contact Form: DPDT
- Low power consumption
- High Surge Voltage

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-FBR46ND005	FBR46ND005-P-CSA	B	5	167Ω	150 mW	2.40	2.04	1.75	1.60
817-FBR46ND012	FBR46ND012-P-CSA	B	12	960Ω	150 mW	2.40	2.04	1.75	1.60

FBR211 SERIES MINIATURE RELAYS

Features:
- 1 Pole - 1 to 2 A (for signal switching)
- 2 A maximum carrying current
- Superior reliability gold-overlay contacts
- Conforms to FCC 68.302 (high dielectric strength)
- Contact Form: SPDT
- International terminal pitch of one inch grid terminal layout
- UL Recognized File E63615
- CSA Recognized File LR64026

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-FBR211NBD012-M	FBR211NBD012-M	C	12	320Ω	450 mW	1.85	1.57	1.35	1.23
817-FBR211NED024-M	FBR211NED024-M	C	24	2,800Ω	450 mW	1.95	1.66	1.42	1.30

FTR-B3 SERIES MINIATURE HORIZONTAL RELAYS

Features:
- 2-Contact 1A (for switching signals)
- Flat Type ultra miniature (SMT)
- Ultra slim and light weight
- High efficiency polar electromagnet structure
- Contact Form: DPDT
- Gold-plated silver alloy bifurcated contacts
- UL, CSA recognized

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Terminal Type	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
							1	100	500	1000
817-FTR-B3CA003Z	FTR-B3CA003Z	D	Through-hole	3	64.3Ω	140 mW	3.75	3.19	2.73	2.50
817-FTR-B3GA4.5Z	FTR-B3GA4.5Z	E	Surface Mount	4.5	145Ω	140 mW	3.75	3.19	2.73	2.50
817-FTR-B3GA012Z	FTR-B3GA012Z	E	Surface Mount	12	1,028Ω	140 mW	3.75	3.19	2.73	2.50

FTR-B4 SERIES ULTRA MINIATURE SLIM SIGNAL RELAYS

Features:
- High reliability bifurcated contacts
- Lower power consumption
- 10mm Max. height SMT
- Contact Form: DPDT
- Weight: Approx. 1.0g
- Conforms Bellcore and FCC part 68

* Reduced mounting area

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Terminal Type	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
							1	100	500	1000
817-FTR-B4CA003Z	FTR-B4CA003Z	F	Through-hole	3	64.3Ω	140 mW	3.75	3.19	2.73	2.50
817-FTR-B4GA003Z	FTR-B4GA003Z	G	Surface mount	3	64.3Ω	140 mW	3.75	3.19	2.73	2.50
817-FTR-B4GA012Z	FTR-B4GA012Z	G	Surface mount	12	1,028Ω	140 mW	3.75	3.19	2.73	2.50
*817-FTR-B4SA003Z	FTR-B4SA003Z	G	Surface mount	3	64.3Ω	140 mW	4.53	3.85	3.29	3.02
*817-FTR-B4SA012Z	FTR-B4SA012Z	G	Surface mount	12	1,028Ω	140 mW	4.53	3.85	3.29	3.02
*817-FTR-B4SA4.5Z	FTR-B4SA4.5Z	G	Surface mount	4.5	145Ω	140 mW	4.53	3.85	3.29	3.02

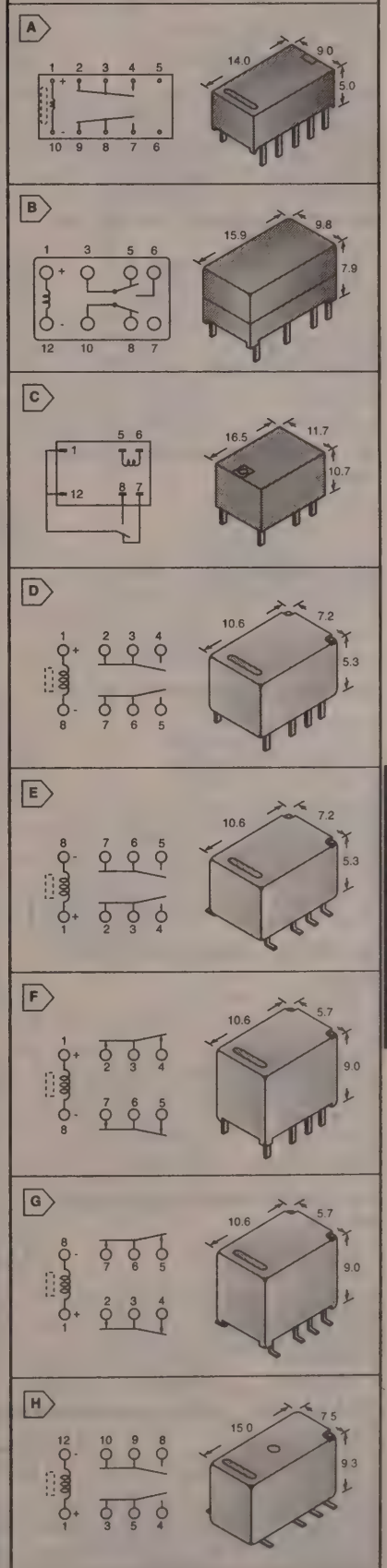
FTR-C1 SERIES ULTRA MINIATURE RELAYS

Features:
- High reliability bifurcated contacts
- Lower power consumption
- Contact Form: DPDT
- Weight: Approx. 1.0g
- Surge Strength: 5000V
- Conforms to IEC 60950 / EN60950 / UL1950 / C22.2

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Terminal Type	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
							1	100	500	1000
817-FTR-C1GA003G	FTR-C1GA003G	H	Surface Mount	3	32.1	280 mW	3.80	3.23	2.75	2.52
817-FTR-C1GA4.5G	FTR-C1GA4.5G	H	Surface Mount	4.5	72.3	280 mW	3.80	3.23	2.75	2.52
817-FTR-C1GA012G	FTR-C1GA012G	H	Surface Mount	12	514	280 mW	3.80	3.23	2.75	2.52

DIMENSIONS (mm)



Fujitsu

Low Signal Relays

MZ SERIES MINIATURE RELAYS

Features:

- 1 Pole - 1 to 2 A (for signal switching)
- Subminiature size
- Standard and high sensitivity types available
- DIL through-hole terminals
- Contact Form: SPDT
- Plastic sealed type
- High reliability bifurcated contacts
- UL, CSA recognized

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-MZ-5HS-K	MZ-5HS-K	A	5	120Ω	200 mW	2.35	2.00	1.71	1.57
817-MZ-12HS-K	MZ-12HS-K	A	12	700Ω	200 mW	2.35	2.00	1.71	1.57
817-MZ-24HS-K	MZ-24HS-K	A	24	2,800Ω	200 mW	2.65	2.26	1.93	1.77

NA SERIES MINIATURE RELAYS

Features:

- 2 Poles - 1 to 2 A (for signal switching)
- Slim type relay for high density mounting
- High sensitivity and low consumption power
- Maximum switching capacity - 4.2A 700VAC
- Contact Form: DPDT
- High reliability - bifurcated contacts
- DIL through-hole terminals
- Plastic sealed type

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-NA-3W-K	NA-3W-K	B	3	64.3Ω	140 mW	3.33	2.83	2.42	2.22
817-NA-5W-K	NA-5W-K	B	5	178Ω	140 mW	3.33	2.83	2.42	2.22
817-NA-12W-K	NA-12W-K	B	12	1,028Ω	140 mW	3.33	2.83	2.42	2.22

RA SERIES MINIATURE RELAYS

Features:

- 2 Poles - 1 to 2 A (for signal switching)
- Ultra high sensitivity
- High reliability - bifurcated contacts
- Wide operating temperature range
- Contact Form: DPDT
- DIL through-hole terminals
- Plastic sealed type
- Latching type available

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-RA-18W-K	RA-18W-K	C	18	2,160Ω	150 mW	3.67	3.11	2.65	2.43
817-RAL-5W-K	RAL-5W-K	C	5	335Ω	75 mW	4.13	3.51	3.00	2.75
817-RAL-D5W-K	RAL-D5W-K	D	5	167Ω	150 mW	4.50	3.83	3.27	3.00

RA4 SERIES MINIATURE RELAYS

Features:

- 4 Poles - 1 to 2 A (for signal switching)
- Ultra high sensitivity
- High reliability - bifurcated contacts
- Wide operating temperature range
- Contact Form: 4PDT
- DIL through-hole terminals
- Plastic sealed type
- Latching type available

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-RA4-5W-K	RA4-5W-K	E	5	125Ω	200 mW	8.43	7.17	6.13	5.62
817-RA4-12W-K	RA4-12W-K	E	12	720Ω	200 mW	8.43	7.17	6.13	5.62
817-RA4-18W-K	RA4-18W-K	E	18	1,620Ω	200 mW	8.43	7.17	6.13	5.62
817-RA4-24W-K	RA4-24W-K	E	24	2,880Ω	200 mW	8.43	7.17	6.13	5.62

RY SERIES MINIATURE RELAYS

Features:

- 2 Poles - 1 to 2 A (for signal switching)
- Ultra high sensitivity
- Wide operating temperature range
- Contact Form: DPDT
- DIL through-hole terminals
- Plastic sealed type
- UL, CSA recognized

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-RY-12W-K	RY-12W-K	F	12	960Ω	150 mW	2.80	2.38	2.04	1.87
817-RY-24W-K	RY-24W-K	F	24	2,880Ω	200 mW	2.88	2.45	2.09	1.92
817-RY-12D-K	RY-12D-K	F	12	320Ω	450 mW	3.40	2.89	2.47	2.27
817-RY-12WFZ-K	RY-12WFZ-K	F	12	280Ω	510 mW	2.73	2.32	1.98	1.82

SY SERIES MINIATURE RELAYS

Features:

- 1 Pole - 1 A (for signal switching)
- Very small size and weight
- High sensitivity
- Contact Form: SPDT
- Wide operating temperature range
- DIL through-hole terminals
- Plastic sealed type

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-SY-5W-K	SY-5W-K	G	5	167Ω	150 mW	2.58	2.19	1.87	1.72
817-SY-12W-K	SY-12W-K	G	12	960Ω	150 mW	2.70	2.30	1.96	1.80

UM1 SERIES: 1 POLE, HIGH FREQUENCY MINIATURE RELAY

Features:

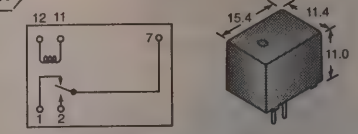
- Subminiature polarized relay
- Excellent high frequency characteristics
- High reliability - Bifurcated contacts
- Contact Form: SPDT
- DIL through-hole terminals
- Wide operating temperature range
- Plastic sealed type

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-UM1-5W-K	UM1-5W-K	H	5	125Ω	200 mW	5.83	4.96	4.24	3.88

DIMENSIONS (mm)

A



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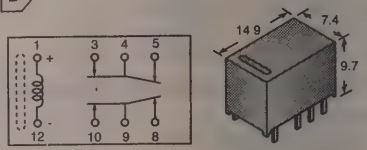

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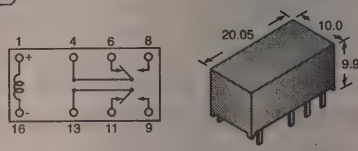

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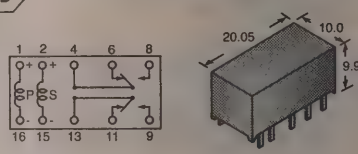

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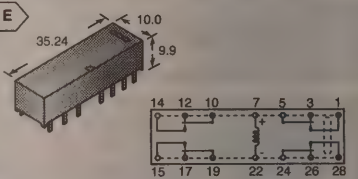

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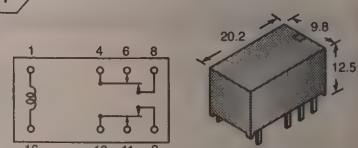

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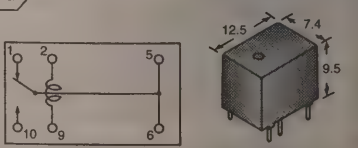

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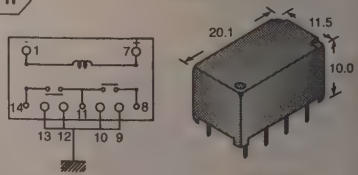


MOUSER ELECTRONICS a ttl company

(800) 346-6873

Miniature Signal Relays

Magnecraft CLASS 7 SEALED SUBMINIATURE PCB RELAYS

ontact resistance: 100 milliohms max @ 6 VDC 10 milliamps
oil power: 200 mW min sensitivity
ontact material: gold clad silver palladium
onforms to FCC Part 68. 1000 V dielectric withstanding voltage

UL Recognized
File No. E52197

For quantities of 100 and up, call for quote.

MOUSER TOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
8-720-1	W7PCX-1	A1	SPDT	2A	5 VDC	75	5.70	5.27	4.99	4.70
8-720-4	W7PCX-4	A1	SPDT	2A	24 VDC	1550	5.70	5.27	4.99	4.70
8-720-5	W7PCX-5	A2	DPDT	2A	5 VDC	75	7.54	6.97	6.60	6.22
8-720-7	W7PCX-7	A2	DPDT	2A	12 VDC	440	7.54	6.97	6.60	6.22
8-720-8	W7PCX-8	A2	DPDT	2A	24 VDC	1550	7.54	6.97	6.60	6.22

Magnecraft CLASS 60 MINIATURE PCB RELAYS

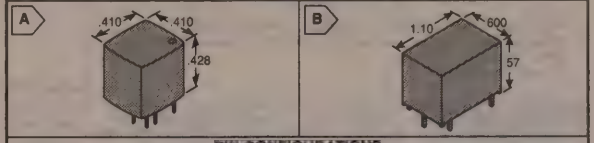
ontact resistance: Initial 50 milliohms @ 6 VDC, 10mA, 100 milliohms max
oil power: 200 mW min sensitivity
ontact material: gold clad silver palladium
onforms to FCC Part 68. 1000 V dielectric withstanding voltage
ifurcated contacts for low level switches

UL Recognized
File No. E52197

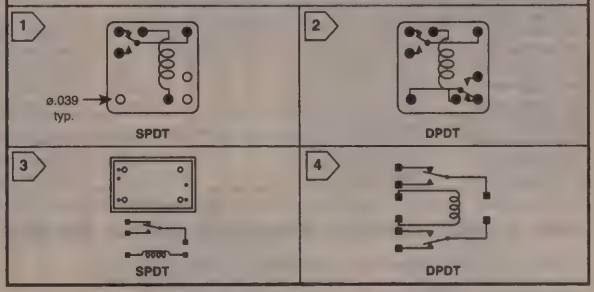
For quantities of 100 and up, call for quote.

8-6001-12	W60HE1S-12DC	B3	SPDT	2A	12 VDC	440	16.72	15.47	14.63	13.79
8-6001-24	W60HE1S-24DC	B3	SPDT	2A	24 VDC	1550	16.72	15.47	14.63	13.79
8-6002-5	W60HE2S-5DC	B4	DPDT	2A	5 VDC	75	19.54	18.07	17.10	16.12
8-6002-12	W60HE2S-12DC	B4	DPDT	2A	12 VDC	440	19.54	18.07	17.10	16.12

DIMENSIONS (In.)



PIN CONFIGURATIONS



NEC UA2/UB2 SERIES: MINIATURE SIGNAL RELAYS

urge voltage: 2500V between coil and contact (Complies with Bellcore EN60950)
reakdown voltage between open contacts: 1000VAC (Complies with FCC Part 68) • Max. switching current: 1A
ontact form: DPDT

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Nominal Power	Price Each			
							1	25	50	100
on-Latching Type										
51-UA2-3NJ	UA2-3NJ	A	1	3	64.3	140mW	3.36	3.00	2.58	2.40
51-UA2-4.5NJ	UA2-4.5NJ	A	1	4.5	145	140mW	3.36	3.00	2.58	2.40
51-UA2-5NJ	UA2-5NJ	A	1	5	178	140mW	3.36	3.00	2.58	2.40
51-UA2-12NJ	UA2-12NJ	A	1	12	1028	140mW	3.36	3.00	2.58	2.40
51-UA2-12NU	UA2-12NU	A	1	12	1028	140mW	4.14	3.70	3.13	2.66
51-UA2-24NJ	UA2-24NJ	A	1	24	2880	200mW	3.92	3.50	3.01	2.80
ngle Coil Latch Type										
51-UA2-3SNJ	UA2-3SNJ	A	2	3	90	100mW	3.92	3.50	3.01	2.80
51-UA2-4.5SNJ	UA2-4.5SNJ	A	2	4.5	202.5	100mW	3.92	3.50	3.01	2.80
51-UA2-5SNJ	UA2-5SNJ	A	2	5	250	100mW	3.92	3.50	3.01	2.80
on-Latching Surface Mount Type										
51-UB2-3NU	UB2-3NU	B	1	3	64.3	140mW	3.36	3.00	2.58	2.40
51-UB2-4.5NU	UB2-4.5NU	B	1	4.5	145	140mW	3.36	3.00	2.58	2.40
51-UB2-5NU	UB2-5NU	B	1	5	178	140mW	3.36	3.00	2.58	2.40
51-UB2-12NU	UB2-12NU	B	1	12	1028	140mW	3.36	3.00	2.58	2.40
ngle Coil Latch Surface Mount Type										
51-UB2-4.5SNU	UB2-4.5SNU	B	1	4.5	202.5	100mW	3.92	3.50	3.01	2.80

NEC UC2/UD2 SERIES: MINIATURE SIGNAL RELAYS

Surge voltage: 2500V between coil and contact (Complies with Bellcore EN60950)
Breakdown voltage between open contacts: 1000VAC (Complies with FCC Part 68) • Max. switching current: 1A
Contact form: DPDT

For quantities of 500 and up, call for quote.

on-Latching Type										
51-UC2-3NJ	UC2-3NJ	C	1	3	64.3	140mW	3.36	3.00	2.58	2.40
51-UC2-4.5NJ	UC2-4.5NJ	C	1	4.5	145	140mW	3.36	3.00	2.58	2.40
51-UC2-5NJ	UC2-5NJ	C	1	5	178	140mW	3.36	3.00	2.58	2.40
51-UC2-12NJ	UC2-12NJ	C	1	12	1028	140mW	3.36	3.00	2.58	2.40
ngle Coil Latch Type										
51-UC2-3SNJ	UC2-3SNJ	C	2	3	90	100mW	3.92	3.50	3.01	2.80
51-UC2-4.5SNJ	UC2-4.5SNJ	C	2	4.5	202.5	100mW	3.92	3.50	3.01	2.80
51-UC2-5SNJ	UC2-5SNJ	C	2	5	250	100mW	3.92	3.50	3.01	2.80
51-UC2-12SNJ	UC2-12SNJ	C	2	12	1440	100mW	3.92	3.50	3.01	2.80
on-Latching Surface Mount Type										
51-UD2-3NU	UD2-3NU	D	1	3	64.3	140mW	3.36	3.00	2.58	2.40
51-UD2-5NU	UD2-5NU	D	1	5	178	140mW	3.36	3.00	2.58	2.40
51-UD2-12NU	UD2-12NU	D	1	12	1028	140mW	3.36	3.00	2.58	2.40
ngle Coil Latch Surface Mount Type										
51-UD2-3SNU	UD2-3SNU	D	2	3	90	100mW	3.92	3.50	3.01	2.80
51-UD2-4.5SNU	UD2-4.5SNU	D	2	4.5	202.5	100mW	3.92	3.50	3.01	2.80
51-UD2-5SNU	UD2-5SNU	D	2	5	250	100mW	3.92	3.50	3.01	2.80

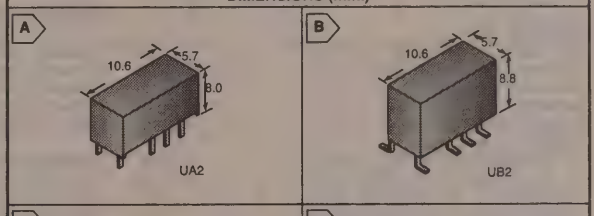
NEC EA2 SERIES: MINIATURE SIGNAL RELAYS

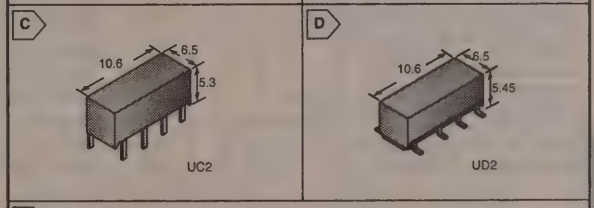
Surge voltage: 1500V between coil and contact (Complies with FCC Part 68)
Breakdown voltage between open contacts: 1000VAC (Complies with FCC Part 68) • Max. switching current: 1A
Contact form: DPDT

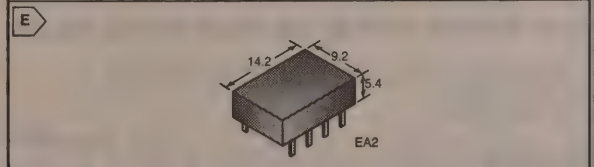
For quantities of 500 and up, call for quote.

on-Latch Type										
51-EA2-3NJ	EA2-3NJ	E	3	3	64.3	140mW	2.67	2.46	2.26	2.05
51-EA2-4.5NJ	EA2-4.5NJ	E	3	4.5	145	140mW	2.67	2.46	2.26	2.05
51-EA2-5NJ	EA2-5NJ	E	3	5	178	140mW	2.67	2.46	2.26	2.05
51-EA2-12NJ	EA2-12NJ	E	3	12	1028	140mW	2.67	2.46	2.26	2.05
51-EA2-24NJ	EA2-24NJ	E	3	24	2880	200mW	3.09	2.85	2.61	2.38
ngle Coil Latch Type										
51-EA2-3SNJ	EA2-3SNJ	E	4	3	90	140mW	3.09	2.85	2.61	2.38
51-EA2-5SNJ	EA2-5SNJ	E	4	5	250	140mW	3.09	2.85	2.61	2.38
51-EA2-12SNJ	EA2-12SNJ	E	4	12	1440	140mW	3.09	2.85	2.61	2.38
ouble Coil Latch Type										
51-EA2-5TNJ	EA2-5TNJ	E	5	5	178	140mW	3.23	2.98	2.73	2.48
51-EA2-12TNJ	EA2-12TNJ	E	5	12	1028	140mW	3.23	2.98	2.73	2.48
51-EA2-24TNJ	EA2-24TNJ	E	5	24	2880	200mW	3.93	3.63	3.33	3.02

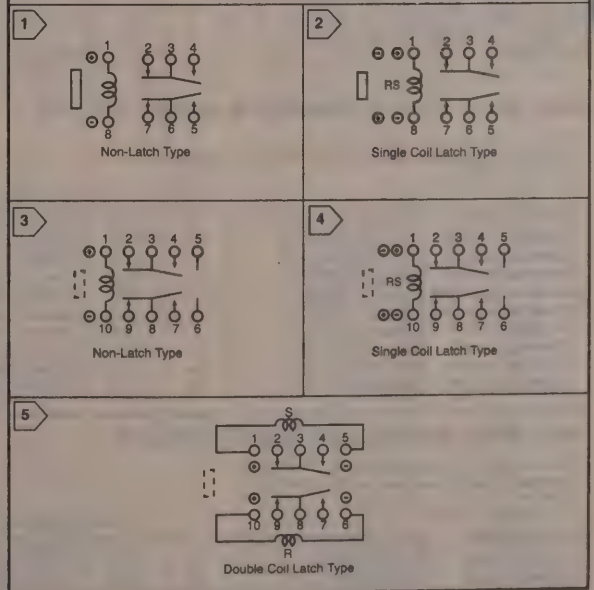
DIMENSIONS (mm.)







PIN CONFIGURATIONS



Low Signal Relays

NEC EB2 SERIES: MINIATURE SIGNAL RELAYS

- Surge voltage: 1500V between coil and contact (Complies with FCC Part 68)
- Breakdown voltage between open contacts: 1000VAC (Complies with FCC Part 68)
- Contact form: DPDT
- Max. switching current: 1A

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Nominal Power	Price Each 1	25	50	100
Non-Latching Surface Mount Type										
551-EB2-3NU	EB2-3NU	A	1	3	64.3	140mW	2.67	2.46	2.26	2.05
551-EB2-4.5NU	EB2-4.5NU	A	1	4.5	145	140mW	2.67	2.46	2.26	2.05
551-EB2-5NU	EB2-5NU	A	1	5	178	140mW	2.67	2.46	2.26	2.05
551-EB2-12NU	EB2-12NU	A	1	12	1028	140mW	2.67	2.46	2.26	2.05
551-EB2-24NU	EB2-24NU	A	1	24	2880	200mW	3.09	2.85	2.61	2.38
Single Coil Latch Surface Mount Type										
551-EB2-3SNU	EB2-3SNU	A	1	3	90	140mW	3.09	2.85	2.61	2.38
551-EB2-5SNU	EB2-5SNU	A	1	5	250	140mW	3.09	2.85	2.61	2.38
551-EB2-12SNU	EB2-12SNU	A	1	12	1440	140mW	3.09	2.85	2.61	2.38

NEC EC2/EE2 SERIES: MINIATURE SIGNAL RELAYS

- Surge voltage: 2500V between coil and contact (Complies with Bellcore EN60950)
- Breakdown voltage between open contacts: 1000 VAC (Complies with FCC Part 68)
- Contact form: DPDT
- Max. switching current: 2A

For quantities of 500 and up, call for quote.

Non-Latch Type										
551-EC2-3NJ	EC2-3NJ	B	2	3	64.3	140mW	2.67	2.46	2.26	2.05
551-EC2-4.5NJ	EC2-4.5NJ	B	2	4.5	145	140mW	2.67	2.46	2.26	2.05
551-EC2-5NJ	EC2-5NJ	B	2	5	178	140mW	2.67	2.46	2.26	2.05
551-EC2-12NJ	EC2-12NJ	B	2	12	1028	140mW	2.67	2.46	2.26	2.05
551-EC2-24NJ	EC2-24NJ	B	2	24	2880	200mW	3.09	2.85	2.61	2.38
Single Coil Latch Type										
551-EC2-3SNJ	EC2-3SNJ	B	2	3	90	140mW	3.09	2.85	2.61	2.38
551-EC2-4.5SNJ	EC2-4.5SNJ	B	2	4.5	202.5	140mW	3.09	2.85	2.61	2.38
551-EC2-5SNJ	EC2-5SNJ	B	2	5	250	140mW	3.09	2.85	2.61	2.38
551-EC2-12SNJ	EC2-12SNJ	B	2	12	1440	140mW	3.09	2.85	2.61	2.38
Non-Latching Surface Mount Type										
551-EE2-3NU	EE2-3NU	C	2	3	64.3	140mW	2.67	2.46	2.26	2.05
551-EE2-4.5NU	EE2-4.5NU	C	2	4.5	145	140mW	2.67	2.46	2.26	2.05
551-EE2-5NU	EE2-5NU	C	2	5	178	140mW	2.67	2.46	2.26	2.05
Single Coil Latch Surface Mount Type										
551-EE2-3SNU	EE2-3SNU	C	2	3	90	140mW	3.09	2.85	2.61	2.38
551-EE2-4.5SNU	EE2-4.5SNU	C	2	4.5	202.5	140mW	3.09	2.85	2.61	2.38
551-EE2-5SNU	EE2-5SNU	C	2	5	250	140mW	3.09	2.85	2.61	2.38

NEC ED2/EF2 SERIES: MINIATURE SIGNAL RELAYS

- Surge voltage: 2500V between coil and contact (Complies with bellcore EN60950)
- Breakdown voltage between open contacts: 1000VAC (Complies with FCC part 68)
- Contact form: DPDT
- Max. switching current: 1A

For quantities of 500 and up, call for quote.

Non-Latch Type										
551-ED2-5NJ	ED2-5NJ	B	2	5	500	50mW	4.07	3.76	3.45	3.13
551-ED2-9NJ	ED2-9NJ	B	2	9	1473	55mW	6.96	6.43	5.90	5.35
551-ED2-12NJ	ED2-12NJ	B	2	12	2400	60mW	4.49	4.15	3.80	3.46
551-ED2-24NJ	ED2-24NJ	B	2	24	8229	70mW	5.05	4.67	4.28	3.89
Non-Latching Surface Mount Type										
551-EF2-5NU	EF2-5NU	C	2	5	500	50mW	4.07	3.76	3.45	3.13

NEC MR62 SERIES: MINIATURE SIGNAL RELAYS

- Plastic sealed for flow-soldering process
- Breakdown voltage between open contacts: 500VAC and (*) 1000VAC
- Contact form: DPDT
- Max. switching current: 2A

For quantities of 500 and up, call for quote.

551-MR62-5USRY	MR62-5USRY	D	3	5	62.5	400mW	2.67	2.46	2.26	2.05
551-MR62-12USRY	MR62-12USRY	D	3	12	360	400mW	2.67	2.46	2.26	2.05
551-MR62-24USRY	MR62-24USRY	D	3	24	1440	400mW	3.09	2.85	2.61	2.38
*551-MR625UKSRY	MR62-5UKSRY	D	3	5	62.5	400mW	2.67	2.46	2.26	2.05
*551-MR62-12UKSRY	MR62-12UKSRY	D	3	12	360	400mW	2.67	2.46	2.26	2.05
*551-MR62-24UKSRY	MR62-24UKSRY	D	3	24	1440	400mW	3.09	2.85	2.61	2.38
551-MR62-5USR	MR62-5USR	D	3	5	42	550mW	2.67	2.46	2.26	2.05
551-MR62-12USR	MR62-12USR	D	3	12	280	550mW	2.67	2.46	2.26	2.05
551-MR62-24USR	MR62-24USR	D	3	24	1050	550mW	3.09	2.85	2.61	2.38
551-MR62-48USR	MR62-48USR	D	3	48	4200	550mW	4.49	4.15	3.80	3.46

NEC MR82 SERIES: LOW SIGNAL RELAYS

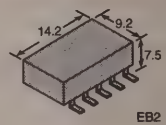
- Plastic sealed for flow soldering process
- Breakdown voltage between open contacts: 500VAC
- Contact form: DPDT
- Max. switching current: 2A

For quantities of 500 and up, call for quote.

551-MR82-5USR	MR82-5USR	A	1	5	125	200mW	2.67	2.46	2.26	2.05
551-MR82-12USR	MR82-12USR	A	1	12	720	200mW	2.67	2.46	2.26	2.05
551-MR82-24USR	MR82-24USR	A	1	24	2880	200mW	3.09	2.85	2.61	2.38

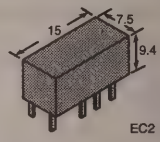
DIMENSIONS (mm.)

A



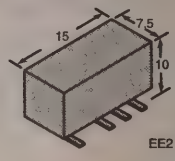
EB2

B



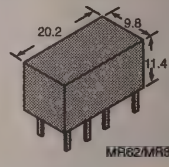
EC2

C



EE2

D



MR62/MR82

PIN CONFIGURATIONS

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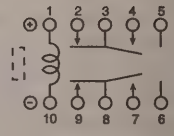
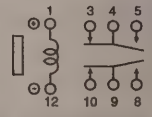


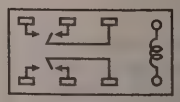
Non-Latch Type

2



Non-Latch Type

3


2 Form C

MOUSER ELECTRONICS a ttl company

OMRON Low Signal Relays

OMRON ELECTRONIC COMPONENTS

G5A SERIES: SMALL 1A DPDT LOW SIGNAL RELAYS

tures:
mron's unique moving magnet armature (Moving Loop System) duces relay size, magnetic interference, and contact bounce time.
w power consumption
urcated crossbar assures highly reliable switching of loads low as 10mVDC, 0.1mA

Specifications:
- Contact resistance: 50mΩ max.
- Contact material: Ag (Au clad)
- Power consumption: 200mW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	25	50	100
aled Construction, Non-Latching Coil									
3-G5A-234P-DC5	G5A-234P-DC5	A1	40 mA	5	125	4.34	3.86	3.40	3.06
3-G5A-234P-DC12	G5A-234P-DC12	A1	16.7 mA	12	720	4.34	3.86	3.40	3.06
3-G5A-234P-DC24	G5A-234P-DC24	A1	8.3 mA	24	2880	4.34	3.86	3.40	3.06
nted Construction, Non-Latching Coil									
3-G5A-237P-DC5	G5A-237P-DC5	A1	40 mA	5	125	3.97	3.56	3.14	2.83
3-G5A-237P-DC12	G5A-237P-DC12	A1	16.7 mA	12	720	3.97	3.56	3.14	2.83
3-G5A-237P-DC24	G5A-237P-DC24	A1	8.3 mA	24	2880	4.09	3.66	3.23	2.91
aled Construction, Double-Winding Latching Coil									
3-G5AK-234P-DC5	G5AK-234P-DC5	A2	40 mA	5	125	5.61	5.27	4.71	3.93
3-G5AK-234P-DC6	G5AK-234P-DC6	A2	33.3 mA	6	180	5.61	5.27	4.71	3.93
3-G5AK-234P-DC9	G5AK-234P-DC9	A2	22.2 mA	9	405	5.61	5.27	4.71	3.93
3-G5AK-234P-DC12	G5AK-234P-DC12	A2	16.7 mA	12	720	5.61	5.27	4.71	3.93
3-G5AK-234P-DC24	G5AK-234P-DC24	A2	8.3 mA	24	2880	5.61	5.27	4.71	3.93

G5V-1 SERIES: SMALL 1A SPDT LOW SIGNAL RELAYS

tures:
eal for use in telecommunications, security, and mputer/peripheral equipment
onforms to FCC part 68 voltage surge
lly sealed construction

Specifications:
- Contact resistance: 100mΩ max.
- Contact material: Ag (Au clad)
- Power consumption: 150mW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	25	50	100
3-G5V-1-DC5	G5V-1-DC5	B3	30 mA	5	166.7	2.54	2.03	1.79	1.61
3-G5V-1-DC6	G5V-1-DC6	B3	25mA	6	240	2.54	2.03	1.79	1.61
3-G5V-1-DC12	G5V-1-DC12	B3	12.5 mA	12	960	2.54	2.03	1.79	1.61
3-G5V-1-DC24	G5V-1-DC24	B3	6.3 mA	24	3840	2.54	2.03	1.79	1.61

G5V-2 SERIES: GENERAL USAGE 2A DPDT LOW SIGNAL RELAYS

tures:
eal for use in telecommunications, security, and computer/peripheral equipment
onforms to FCC part 68 voltage surge
lly sealed construction

Specifications:
- Contact resistance: 50mΩ max.
- Power consumption: Standard type - 500 mW; High-sensitivity type - 360 mW Ultra-sensitive type - 150 mW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	25	50	100
andard Type									
3-G5V-2-DC5	G5V-2-DC5	C4	100 mA	5	50	3.13	2.50	2.21	1.99
3-G5V-2-DC12	G5V-2-DC12	C4	41.7 mA	12	288	3.13	2.50	2.21	1.99
3-G5V-2-DC24	G5V-2-DC24	C4	20.8 mA	24	1152	3.13	2.50	2.21	1.99
gh-Sensitivity Type									
3-G5V-2-H-DC5	G5V-2-H-DC5	C4	72 mA	5	70	3.36	2.68	2.37	2.13
3-G5V-2-H-DC12	G5V-2-H-DC12	C4	30 mA	12	400	3.36	2.68	2.37	2.13
3-G5V-2-H-DC24	G5V-2-H-DC24	C4	15 mA	24	1600	3.36	2.68	2.37	2.13
tra-Sensitive Type									
3-G5V-2-H1-DC5	G5V-2-H1-DC5	C4	30 mA	5	166.7	3.45	2.76	2.43	2.19
3-G5V-2-H1-DC12	G5V-2-H1-DC12	C4	12.5 mA	12	960	3.45	2.76	2.43	2.19
3-G5V-2-H1-DC24	G5V-2-H1-DC24	C4	8.3 mA	24	2880	3.45	2.76	2.43	2.19

G6L SERIES: LOW PROFILE 1A SPST-NO LOW SIGNAL RELAYS

tures:
duction of 20% mounting space compared to Omron's G5V-1
onforms to FCC Part 68
astic sealed construction

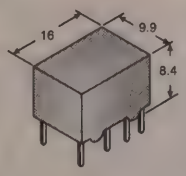
Specifications:
- Contact resistance: 100mΩ max.
- Max. switching current: 1A
- Power consumption: 180mW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	25	50	100
T Gull-wing									
3-G6L-1F-DC4.5	G6L-1F-DC4.5	D5	40 mA	4.5	112.5	2.05	1.54	1.35	1.25
3-G6L-1F-DC5	G6L-1F-DC5	D5	36 mA	5	139	2.05	1.54	1.35	1.25
3-G6L-1F-DC12	G6L-1F-DC12	D5	15 mA	12	800	2.05	1.54	1.35	1.25
B Thru-hole									
3-G6L-1P-DC4.5	G6L-1P-DC4.5	E5	40 mA	4.5	112.5	2.05	1.54	1.35	1.25
3-G6L-1P-DC5	G6L-1P-DC5	E5	36 mA	5	139	2.05	1.54	1.35	1.25
3-G6L-1P-DC12	G6L-1P-DC12	E5	15 mA	12	800	2.05	1.54	1.35	1.25

DIMENSIONS (mm)

A



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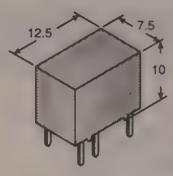

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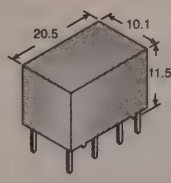

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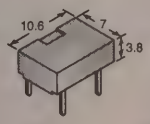
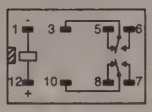


TERMINAL ARRANGEMENT

1



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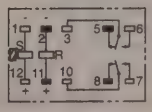

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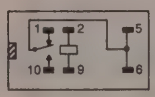

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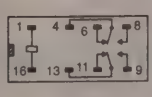

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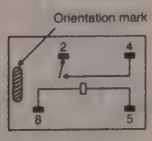

Omron

Low Signal Relays

OMRON G6J-Y SERIES: ULTRA-COMPACT 1A DPDT LOW SIGNAL RELAYS

NEW FROM SUPPLIER

- Reduction of approximately 56% in mounting area compared to the OMRON G6S, for higher-density mounting.
- Conforms to North American Telcordia specifications
- Conforms to FCC Part 68
- Function: G6J - Single side stable G6JU - Single-winding latching
- Contact mechanism: Twin crossbar Ag (Au-clad contact)
- Plastic sealed case

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Coil Voltage	Terminals	Power Consumption	Coil VDC	Price Each 1	25	50	100
653-G6J-2P-Y-DC5	G6J-2P-Y-DC5	A1	5 VDC	Thru-hole	140 mW	28.9 mA	4.10	3.85	3.47	3.08
653-G6J-2P-Y-DC12	G6J-2P-Y-DC12	A1	12 VDC	Thru-hole	140 mW	12.3 mA	4.10	3.85	3.47	3.08
653-G6J-2P-Y-DC24	G6J-2P-Y-DC24	A1	24 VDC	Thru-hole	140 mW	9.2 mA	4.10	3.85	3.47	3.08
653-G6J-2FS-Y-DC5	G6J-2FS-Y-DC5	B1	5 VDC	SMD, short leads	140 mW	28.9 mA	4.10	3.85	3.47	3.08
653-G6J-2FS-Y-DC12	G6J-2FS-Y-DC12	B1	12 VDC	SMD, short leads	140 mW	12.3 mA	4.10	3.85	3.47	3.08
653-G6J-2FS-Y-DC24	G6J-2FS-Y-DC24	B1	24 VDC	SMD, short leads	140 mW	9.2 mA	4.10	3.85	3.47	3.08

OMRON G6A SERIES: HIGH SENSITIVITY 3A LOW SIGNAL RELAYS

- Unique moving magnet armature (Moving Loop System) reduces relay size, magnetic interference, and contact bounce time.
- High sensitivity allowing for digital circuitry control
- Due to low magnetic leakage, units can be mounted side by side.
- Low profile design allows use in 12.70mm PC board rack
- Conforms to FCC part 68 voltage surge
- Contact material: G6A-234P and G6A-434P AgPd (Au clad); G6A-274P and G6A-474Ag(Au clad)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Type	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	25	50	100
Non-Latching Coil											
653-G6A-234P-DC5	G6A-234P-ST-US-DC5	C2	DPDT	Standard	40 mA	5	125	3.18	2.97	2.60	2.12
653-G6A-234P-DC12	G6A-234P-ST-US-DC12	C2	DPDT	Standard	16.7 mA	12	720	3.18	2.97	2.60	2.12
653-G6A-234P-DC24	G6A-234P-ST-US-DC24	C2	DPDT	Standard	8.3 mA	24	2880	3.18	2.97	2.60	2.12
653-G6A-274P-DC5	G6A-274P-ST-US-DC5	C2	DPDT	Standard	40 mA	5	125	3.18	2.97	2.60	2.12
653-G6A-274P-DC6	G6A-274P-ST-US-DC6	C2	DPDT	Standard	33.3 mA	6	180	3.89	3.65	3.24	2.75
653-G6A-274P-DC12	G6A-274P-ST-US-DC12	C2	DPDT	Standard	16.7 mA	12	720	3.18	2.97	2.60	2.12
653-G6A-274P-DC24	G6A-274P-ST-US-DC24	C2	DPDT	Standard	8.3 mA	24	2880	3.18	2.97	2.60	2.12
653-G6A-274P-DC48	G6A-274P-ST-US-DC48	C2	DPDT	Standard	4.9 mA	48	9750	3.53	3.31	2.94	2.50
653-G6A-274P40-DC5	G6A-274P-ST40-US-DC5	C2	DPDT	Low-Sensitivity	80 mA	5	62.5	3.90	3.64	3.19	2.60
653-G6A-274P40-DC9	G6A-274P-ST40-US-DC9	C2	DPDT	Low-Sensitivity	44.3 mA	9	203	3.90	3.64	3.19	2.60
653-G6A-274P40-DC12	G6A-274P-ST40-US-DC12	C2	DPDT	Low-Sensitivity	33.3 mA	12	360	3.90	3.64	3.19	2.60
653-G6A-274P40-DC24	G6A-274P-ST40-US-DC24	C2	DPDT	Low-Sensitivity	16.7 mA	24	1440	3.90	3.64	3.19	2.60
653-G6A-274P40-DC48	G6A-274P-ST40-US-DC48	C2	DPDT	Low-Sensitivity	8.3 mA	48	5760	3.89	3.65	3.24	2.75
653-G6A-434P-DC5	G6A-434P-ST-US-DC5	D3	4PDT	Standard	72.5 mA	5	69	10.02	8.90	7.85	7.07
653-G6A-434P-DC12	G6A-434P-ST-US-DC12	D3	4PDT	Standard	30 mA	12	400	10.02	8.90	7.85	7.07
653-G6A-434P-DC24	G6A-434P-ST-US-DC24	D3	4PDT	Standard	15 mA	24	1600	10.02	8.90	7.85	7.07
653-G6A-474P20-DC5	G6A-474P-ST20-US-DC5	D3	4PDT	High-Sensitivity	40 mA	5	125	7.75	7.14	6.32	5.39
653-G6A-474P20-DC6	G6A-474P-ST20-US-DC6	D3	4PDT	High-Sensitivity	33.3 mA	6	180	7.75	7.14	6.32	5.39
653-G6A-474P20DC12	G6A-474P-ST20-US-DC12	D3	4PDT	High-Sensitivity	16.7 mA	12	720	7.98	7.35	6.51	5.54
653-G6A-474P20-DC24	G6A-474P-ST20-US-DC24	D3	4PDT	High-Sensitivity	8.3 mA	24	2880	7.98	7.35	6.51	5.54
653-G6A-474P40-DC5	G6A-474P-ST40-US-DC5	D3	4PDT	Low-Sensitivity	80 mA	5	62.5	6.38	5.99	5.32	4.52
653-G6A-474P40-DC12	G6A-474P-ST40-US-DC12	D3	4PDT	Low-Sensitivity	33.3 mA	12	360	6.38	5.99	5.32	4.52
653-G6A-474P40-DC24	G6A-474P-ST40-US-DC24	D3	4PDT	Low-Sensitivity	16.7 mA	24	1440	6.38	5.99	5.32	4.52
653-G6A-474P40-DC48	G6A-474P-ST40-US-DC48	D3	4PDT	Low-Sensitivity	8.3 mA	48	5760	7.18	6.38	5.74	4.94
Latching Dual Coil											
653-G6AK-234P-DC5	G6AK-234P-ST-US-DC5	C4	DPDT	Standard	36 mA	5	139	4.65	4.28	3.83	3.30
653-G6AK-234P-DC12	G6AK-234P-ST-US-DC12	C4	DPDT	Standard	15 mA	12	800	4.65	4.28	3.83	3.30
653-G6AK-234P-DC24	G6AK-234P-ST-US-DC24	C4	DPDT	Standard	7.5 mA	24	3200	4.65	4.28	3.83	3.30
653-G6AK-274P-DC5	G6AK-274P-ST-US-DC5	C4	DPDT	Standard	36 mA	5	139	4.65	4.28	3.83	3.30
653-G6AK-274P-DC12	G6AK-274P-ST-US-DC12	C4	DPDT	Standard	15 mA	12	800	4.65	4.28	3.83	3.30
653-G6AK-274P-DC24	G6AK-274P-ST-US-DC24	C4	DPDT	Standard	7.5 mA	24	3200	4.74	4.36	3.90	3.37
653-G6AK-274P-DC48	G6AK-274P-ST-US-DC48	C4	DPDT	Standard	4.2 mA	48	11520	5.70	5.13	4.56	3.88
653-G6AK-474P40-DC5	G6AK-474P-ST40-US-DC5	D5	4PDT	Low-Sensitivity	72.5 mA	5	69	8.60	7.96	7.10	6.02

OMRON G6K SERIES: ULTRA SMALL 1A DPDT LOW SIGNAL RELAYS

- Meets 2.5kV Bellcore surge requirements
- Fourth generation design based on worldwide communications, office automation, and computer peripheral relay requirements
- Contact resistance: 100mΩ max.
- Power consumption: 100mW
- Complies with UL 1950 Basic insulation at 125V

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	25	50	100
SMT Gullwing - Non-latching, 2.54mm lead spacing									
653-G6K-2F-DC4.5	G6K-2F-DC4.5	E6	23.2 mA	4.5	194	3.24	3.04	2.63	2.30
653-G6K-2F-DC5	G6K-2F-DC5	E6	21.1 mA	5	237	3.24	3.04	2.63	2.30
653-G6K-2F-DC12	G6K-2F-DC12	E5	9.1 mA	12	1315	3.24	3.04	2.63	2.30
653-G6K-2F-DC24	G6K-2F-DC24	E6	4.6 mA	24	5220	3.24	3.04	2.63	2.30
SMT Gullwing - Non-latching, 3.2mm coil-contact lead spacing									
653-G6K-2F-Y-DC3	G6K-2F-Y-DC3	E6	33 mA	3	91	3.24	3.04	2.63	2.30
653-G6K-2F-Y-DC4.5	G6K-2F-Y-DC4.5	E6	23.2 mA	4.5	194	3.24	3.04	2.63	2.30
653-G6K-2F-Y-DC5	G6K-2F-Y-DC5	E6	21.1 mA	5	237	3.24	3.04	2.63	2.30
653-G6K-2F-Y-DC12	G6K-2F-Y-DC12	E6	9.1 mA	12	1315	3.24	3.04	2.63	2.30
653-G6K-2F-Y-DC24	G6K-2F-Y-DC24	E6	4.6 mA	24	5220	3.24	3.04	2.63	2.30
SMT Inside "L" - Non-latching, 3.2mm coil-contact lead spacing									
653-G6K-2G-Y-DC4.5	G6K-2G-Y-DC4.5	F6	23.2 mA	4.5	194	3.24	3.04	2.63	2.30
653-G6K-2G-Y-DC5	G6K-2G-Y-DC5	F6	21.1 mA	5	237	3.24	3.04	2.63	2.30
653-G6K-2G-Y-DC12	G6K-2G-Y-DC12	F6	9.1 mA	12	1315	3.24	3.04	2.63	2.30
653-G6K-2G-Y-DC24	G6K-2G-Y-DC24	F6	4.6 mA	24	5220	3.24	3.04	2.63	2.30
PCB Thru-hole - Non-latching, 2.54mm lead spacing									
653-G6K-2P-DC4.5	G6K-2P-DC4.5	G6	23.2 mA	4.5	194	3.24	3.04	2.63	2.30
653-G6K-2P-DC5	G6K-2P-DC5	G6	21.1 mA	5	237	3.24	3.04	2.63	2.30
653-G6K-2P-DC12	G6K-2P-DC12	G6	9.1 mA	12	1315	3.24	3.04	2.63	2.30
653-G6K-2P-DC24	G6K-2P-DC24	G6	4.6 mA	24	5220	3.24	3.04	2.63	2.30
PCB thru-hole - Non-latching, 3.2mm coil-contact lead spacing									
653-G6K-2P-Y-DC3	G6K-2P-Y-DC3	G6	33 mA	3	91	3.24	3.04	2.63	2.30
653-G6K-2P-Y-DC4.5	G6K-2P-Y-DC4.5	G6	23.2 mA	4.5	194	3.24	3.04	2.63	2.30
653-G6K-2P-Y-DC5	G6K-2P-Y-DC5	G6	21.1 mA	5	237	3.24	3.04	2.63	2.30
653-G6K-2P-Y-DC12	G6K-2P-Y-DC12	G6	9.1 mA	12	1315	3.24	3.04	2.63	2.30
653-G6K-2P-Y-DC24	G6K-2P-Y-DC24	G6	4.6 mA	24	5220	3.24	3.04	2.63	2.30

DIMENSIONS (mm)

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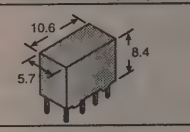

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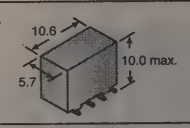

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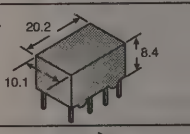

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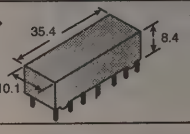

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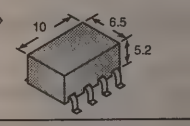

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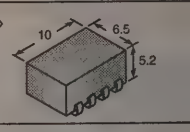

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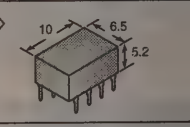

TERMINAL ARRANGEMENT

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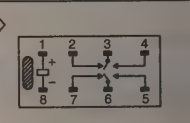

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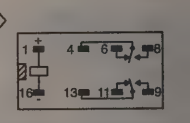

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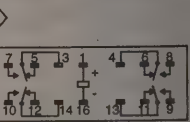

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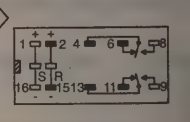

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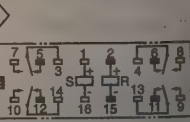

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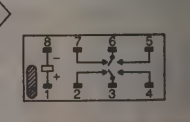


Omron Low Signal Relays

OMRON G6E SERIES: HIGH SENSITIVITY 3A SPDT LOW SIGNAL RELAYS

atures:

gh sensitivity allowing for digital circuitry control
nique moving magnet armature (Moving Loop System) reduces
lay size, magnetic interference, and contact bounce time.
onforms to FCC part 68 voltage surge
furcated crossbar assures high reliability
ghly resistant to shock and vibration

ecifications:

ontact resistance: 50mΩ max.
ontact material: Ag (Au clad)
ower consumption: Standard coil - 200mW; Low-sensitivity coil - 400mW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	25	50	100
andard Non-Latching Coil									
3-G6E-134P-DC5	G6E-134P-ST-US-DC5	A1	40 mA	5	125	4.43	3.54	3.12	2.81
3-G6E-134P-DC12	G6E-134P-ST-US-DC12	A1	16.7 mA	12	720	4.43	3.54	3.12	2.81
3-G6E-134P-DC24	G6E-134P-ST-US-DC24	A1	8.3 mA	24	2880	4.43	3.54	3.12	2.81
w-sensitivity Non-Latching Coil									
3-G6E-134PL-DC5	G6E-134PL-ST-US-DC5	A1	79.4 mA	5	63	4.25	3.40	3.00	2.70
3-G6E-134PL-DC12	G6E-134PL-ST-US-DC12	A1	33.3 mA	12	360	4.25	3.40	3.00	2.70
3-G6E-134PL-DC24	G6E-134PL-ST-US-DC24	A1	16.7 mA	24	1440	4.25	3.40	3.00	2.70
andard Latching Dual Coil									
3-G6EK-134P-DC5	G6EK-134P-ST-US-DC5	A2	40 mA	5	125	5.73	4.58	4.04	3.64
3-G6EK-134P-DC12	G6EK-134P-ST-US-DC12	A2	16.7 mA	12	720	5.73	4.58	4.04	3.64
3-G6EK-134P-DC24	G6EK-134P-ST-US-DC24	A2	8.3 mA	24	2880	5.73	4.58	4.04	3.64

OMRON G6H SERIES: HIGH SENSITIVITY 1A DPDT LOW SIGNAL RELAYS

ecifications:

ontact resistance: 50mΩ max.
arry current: 1A
ower consumption:
tandard non-latching coil - 3,-5, 9, and 12V - 140mW
tandard non-latching coil - 24V - 200mW
tandard non-latching coil - 48V - 300mW
tandard latching dual coil - 3, 5, 9, and 12V - 200mW
tandard latching dual coil - 24V - 300mW
tandard latching single coil - 5 and 12V - 100mW
tandard latching coil - 24V - 150mW

Features:

- Omron's unique moving magnet armature (Moving Loop System) reduces relay size, magnetic interference, and contact bounce time.
- Bifurcated crossbar assures high reliability
- Highly resistant to shock and vibration
- Low thermoelectromotive force
- Low magnetic interference allows for high density mounting

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	25	50	100
andard Non-Latching Coil,PCB thru-hole									
3-G6H-2-DC3	G6H-2-DC3	B3	46.7 mA	3	64.3	2.60	2.39	2.12	1.80
3-G6H-2-DC5	G6H-2-DC5	B3	28.1 mA	5	178	2.60	2.39	2.12	1.80
3-G6H-2-DC9	G6H-2-DC9	B3	15.5 mA	9	579	2.60	2.39	2.12	1.80
3-G6H-2-DC12	G6H-2-DC12	B3	11.7 mA	12	1028	2.60	2.39	2.12	1.80
3-G6H-2-DC24	G6H-2-DC24	B3	8.3 mA	24	2880	3.09	2.84	2.52	2.14
3-G6H-2-DC48	G6H-2-DC48	B3	6.3 mA	48	7680	4.02	3.69	3.28	2.79
andard Non-Latching Coil,SMT Gull-wing termination									
3-G6H-2F-DC3	G6H-2F-DC3	C3	46.7 mA	3	64.3	2.94	2.70	2.40	2.04
3-G6H-2F-DC5	G6H-2F-DC5	C3	28.1 mA	5	178	2.94	2.70	2.40	2.04
3-G6H-2F-DC12	G6H-2F-DC12	C3	11.7 mA	12	1028	2.94	2.70	2.40	2.04
3-G6H-2F-DC24	G6H-2F-DC24	C3	8.3 mA	24	2880	3.50	3.22	2.86	2.43
andard Latching Single Coil, PCB thru-hole									
3-G6HU-2-DC5	G6HU-2-DC5	B4	20 mA	5	250	3.09	2.84	2.52	2.14
3-G6HU-2-DC12	G6HU-2-DC12	B4	8.3 mA	12	1440	3.09	2.84	2.52	2.14
3-G6HU-2-DC24	G6HU-2-DC24	B4	6.25 mA	24	3840	3.50	3.22	2.86	2.43
andard Latching Dual Coil,PCB thru-hole									
3-G6HK-2-DC3	G6HK-2-DC3	B5	66.7 mA	3	45	3.23	2.97	2.64	2.24
3-G6HK-2-DC5	G6HK-2-DC5	B5	40 mA	5	125	3.23	2.97	2.64	2.24
3-G6HK-2-DC9	G6HK-2-DC9	B5	22.2 mA	9	405	3.23	2.97	2.64	2.24
3-G6HK-2-DC12	G6HK-2-DC12	B5	16.7 mA	12	720	3.23	2.97	2.64	2.24
3-G6HK-2-DC24	G6HK-2-DC24	B5	12.5 mA	24	1920	3.70	3.40	3.02	2.57

OMRON G6S SERIES: SURFACE MOUNT 2A DPDT LOW SIGNAL RELAYS

atures:

esign based on worldwide communications, office automation,
nd computer peripheral relay requirements
onforms to FCC Part 68

ecifications:

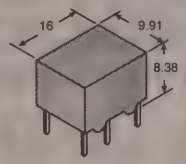
ontact resistance: 75mΩ max.
ax. carry current: 2A
ower consumption: 5 and 12VDC - 140mW; 24VDC - 200mW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	25	50	100
MT Gull-wing									
3-G6S-2F-DC5	G6S-2F-DC5	D6	28.1 mA	5	178	4.39	3.90	3.44	3.09
3-G6S-2F-DC12	G6S-2F-DC12	D6	11.7 mA	12	1028	4.39	3.90	3.44	3.09
3-G6S-2F-DC24	G6S-2F-DC24	D6	8.3 mA	24	2880	5.01	4.45	3.92	3.53
MT Inside "L"									
3-G6S-2G-DC5	G6S-2G-DC5	E6	28.1 mA	5	178	4.39	3.90	3.44	3.09
3-G6S-2G-DC12	G6S-2G-DC12	E6	11.7 mA	12	1028	4.39	3.90	3.44	3.09
3-G6S-2G-DC24	G6S-2G-DC24	E6	8.3 mA	24	2880	5.01	4.45	3.92	3.53

DIMENSIONS (mm)

A



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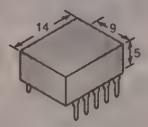

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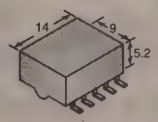

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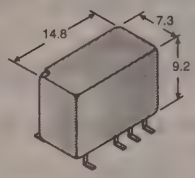

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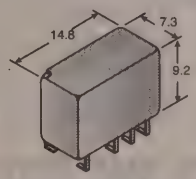

TERMINAL ARRANGEMENT

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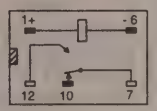

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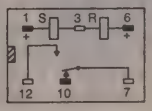

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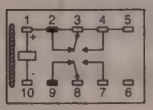

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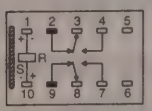

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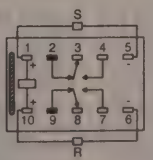

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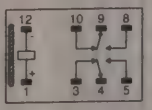


FBR160 SERIES : 1 POLE - 3, 5, 10 A

Features:
- Compact with high power (3 A to 10 A)
- UL/CSA recognized
- 6 types of contact materials for home electronics and automotive applications

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FBR161NED012U	FBR161NED012U-CSA	A	SPDT	12	3A	1.18	1.00	.85	.78

FTR-F1 SERIES : 2 POLES - 5 A LOW PROFILE TYPE

Features:
- DPST/DPDT 5 A, TV-3 rating available
- Higher isolation by employing insulation construction
- Plastic sealed relay
- UL, CSA, VDE, SEMKO BSI recognized

For quantities of 2500 and up, call for quote.

817-FTR-F1CA005V	FTR-F1CA005V	B	DPDT	5	5A	2.28	1.94	1.65	1.52
817-FTR-F1CA006V	FTR-F1CA006V	B	DPDT	6	5A	2.28	1.94	1.65	1.52
817-FTR-F1CA012V	FTR-F1CA012V	B	DPDT	12	5A	2.28	1.94	1.65	1.52
817-FTR-F1CD012V	FTR-F1CD012V	B	DPDT	12	5A	2.50	2.13	1.82	1.67

FTR-F2 SERIES: 1 POLE, 5, 10 A CADMIUM FREE CONTACTS TYPE

Features:
- High density mounting
- High Isolation
- High Noise resistance
- Heat resistance, flammability
- UL, CSA, VDE approved

For quantities of 2500 and up, call for quote.

817-FTR-F2AK048T	FTR-F2AK048T	C	SPST-NO	48	5A	1.78	1.51	1.29	1.18

FTR-H1 SERIES: 1 POLE - 10 A LOW PROFILE TYPE

Features:
- Type of service: continuous duty
- UL class B (130°C) insulation
- High isolation in small package
- Plastic sealed relay
- UL, CSA, BSI, VDE, SEMKO, DEMKO approved

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-H1AA005V	FTR-H1AA005V	D	SPST-NO	5	10A	1.73	1.47	1.25	1.15
817-FTR-H1AA012V	FTR-H1AA012V	D	SPST-NO	12	10A	1.73	1.47	1.25	1.15
817-FTR-H1AA024V	FTR-H1AA024V	D	SPST-NO	24	10A	1.88	1.60	1.36	1.25
817-FTR-H1CA005V	FTR-H1CA005V	E	SPDT	5	10A	1.88	1.60	1.36	1.25
817-FTR-H1CA012V	FTR-H1CA012V	E	SPDT	12	10A	1.88	1.60	1.36	1.25
817-FTR-H1CA024V	FTR-H1CA024V	E	SPDT	24	10A	2.03	1.72	1.47	1.35

FTR-H3 SERIES: SILENT POWER RELAY 1 POLE - 10A LOW PROFILE TYPE

Features:
- Pin compatible with widely used VS and FTR-H1 series
- Ultra silent relay unique U-shape design
- Noise level is about 50dB at 5cm
- High insolation in small package
- Contact Arrangement: 1 form A
- Lead free and cadmium free contacts
- Plastic sealed relay
- UL, CSA, BSI, VDE, SEMKO, DEMKO approved
- Low profile (height 16.5mm)
- Dielectric = 3,000VAC Surge =10,000V
- Contact Rating = 10A
- UL, CSA, VDE, CQC safety standards
- Sealed type relay
- Nominal Power = 530mW

NEW FROM SUPPLIER

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Material	Nominal Voltage (VDC)	Coil Resistance (± 10%)	Price Each			
						1	100	500	1000
817-FTR-H3AA005V	FTR-H3AA005V	F	Gold overlay silver alloy	5	47	2.57	2.19	1.87	1.71
817-FTR-H3AA009V	FTR-H3AA009V	F	Gold overlay silver alloy	9	155	2.77	2.35	2.01	1.84
817-FTR-H3AA012V	FTR-H3AA012V	F	Gold overlay silver alloy	12	270	2.77	2.35	2.01	1.84
817-FTR-H3AA024V	FTR-H3AA024V	F	Gold overlay silver alloy	24	1,100	2.92	2.49	2.13	1.95

FTR-K1 SERIES: 1 POLE - 16A LOW PROFILE TYPE

Features:
- High density mounting
- High Isolation
- Heat Resistance, Flammability 94V-0
- Cadmium free contact for eco-program
- UL, CSA, VDE, SEMKO approved
- TV-5 rating approved, TV-8 available

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-K1CK024W	FTR-K1CK024W	G	SPDT	24	16A	3.00	2.55	2.18	2.00

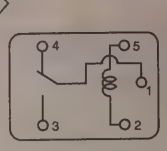
FTR-K3 SERIES: 20A POWER RELAY

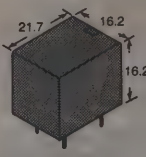
Features:
- Heavy duty for compressor and inverter loads
- High Sensitivity in small package
- Nominal Power 780mW
- High insulation with reinforced insulation system
- Clearance distance = 8mm Creepage distance = 9.5mm
- Dielectric = 5,000VAC Surge = 8,500V
- Contact Rating = 20A
- UL, CSA, VDE, CQC safety standards

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Coil Resistance (± 10%)	Price Each			
						1	100	500	1000
817-FTR-K3AB005W	FTR-K3AB005W	H	1 form A, PCB	5VDC	32	2.05	1.75	1.49	1.37
817-FTR-K3AB006W	FTR-K3AB006W	H	1 form A, PCB	6VDC	46	2.05	1.75	1.49	1.37
817-FTR-K3AB009W	FTR-K3AB009W	H	1 form A, PCB	9VDC	105	2.05	1.75	1.49	1.37
817-FTR-K3AB012W	FTR-K3AB012W	H	1 form A, PCB	12VDC	185	2.05	1.75	1.49	1.37
817-FTR-K3AB018W	FTR-K3AB018W	H	1 form A, PCB	18VDC	415	2.05	1.75	1.49	1.37
817-FTR-K3AB024W	FTR-K3AB024W	H	1 form A, PCB	24VDC	740	2.05	1.75	1.49	1.37
817-FTR-K3JB005W	FTR-K3JB005W	I	1 form A, TAB+PCB	5VDC	32	2.14	1.82	1.56	1.43
817-FTR-K3JB006W	FTR-K3JB006W	I	1 form A, TAB+PCB	6VDC	46	2.14	1.82	1.56	1.43
817-FTR-K3JB009W	FTR-K3JB009W	I	1 form A, TAB+PCB	9VDC	105	2.14	1.82	1.56	1.43
817-FTR-K3JB012W	FTR-K3JB012W	I	1 form A, TAB+PCB	12VDC	185	2.14	1.82	1.56	1.43
817-FTR-K3JB018W	FTR-K3JB018W	I	1 form A, TAB+PCB	18VDC	415	2.14	1.82	1.56	1.43
817-FTR-K3JB024W	FTR-K3JB024W	I	1 form A, TAB+PCB	24VDC	740	2.14	1.82	1.56	1.43

DIMENSIONS (mm)

A




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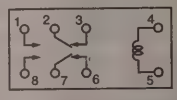

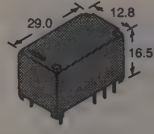

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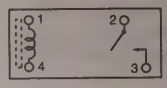

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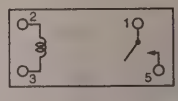

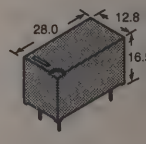

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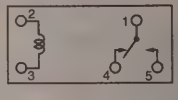

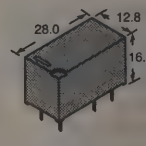

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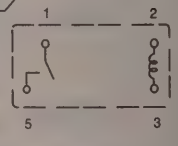

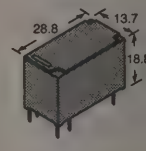

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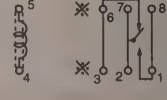

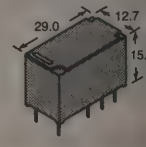

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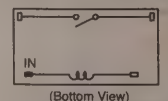

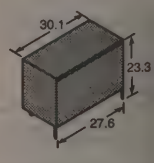

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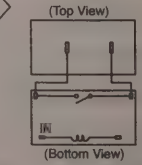

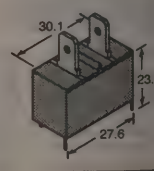

MOUSER ELECTRONICS a ttl company

(800) 346-6873

FUJITSU Power Relays

FUJITSU

TR-MY SERIES: 1 POLE - SLIM POWER RELAY

eatures:
Width: 5mm
Height: 12mm
Weight: 2.5g

- High Sensitive
- High reliability
- Dielectric Strength: 3000VAC

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
17-FTR-MYAA005D	FTR-MYAA005D	A	SPST-NO	5	5A	3.58	3.04	2.75	2.35
17-FTR-MYAA012D	FTR-MYAA012D	A	SPST-NO	12	5A	3.58	3.04	2.75	2.35

S SERIES: 1 POLE - 8 A (MEDIUM LOAD CONTROL)

eatures:
Low profile and space saving
High sensitivity in small package
Plastic sealed type

- UL Class B (130°C) insulation
- UL, CSA, VDE, SEV, SEMKO, FIMKO, BSI recognized

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
7-JS-5-K	JS-5-K	B	SPDT	5	8A	3.03	2.57	2.20	2.02
7-JS-24-K	JS-24-K	B	SPDT	24	8A	3.10	2.64	2.25	2.07
7-JS-5E-K	JS-5E-K	B	SPDT	5	8A	2.88	2.45	2.09	1.92
7-JS-12E-K	JS-12E-K	B	SPDT	12	8A	2.88	2.45	2.09	1.92
7-JS-24E-K	JS-24E-K	B	SPDT	24	8A	2.95	2.51	2.15	1.97

V SERIES: 1 POLE - 5 A (MEDIUM LOAD CONTROL)

eatures:
Low profile and space saving
High sensitivity in small package
Plastic sealed type

- Cadmium free contacts
- High Insulation with reinforced insulation system

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
7-JV-12S-KT	JV-12S-KT	C	SPST-NO	12	5A	2.00	1.70	1.45	1.33
7-JV-24S-KT	JV-24S-KT	C	SPST-NO	24	5A	2.20	1.87	1.60	1.47
7-JV-24-KT	JV-24-KT	C	SPST-NO	24	5A	2.08	1.77	1.51	1.38

Y SERIES: 1 POLE - 3, 5 A (MEDIUM LOAD CONTROL)

atures:
High sensitivity and low power consumption
High isolation
Wide operating temperature range

- DIL through-hole terminals
- Plastic sealed type
- UL, CSA, VDE recognized

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
7-JY-12H-K	JY-12H-K	D	SPST-NO	12	5A	2.90	2.47	2.11	1.93
7-JY-24H-K	JY-24H-K	D	SPST-NO	24	5A	2.98	2.53	2.16	1.98

Z SERIES: 1 POLE - 1, 3, 5, 10 A (MEDIUM LOAD CONTROL)

atures:
kinds of contact ratings
tandard and high sensitivity
ypes available

- High surge strength version available
- Printed circuit terminals - fits grid with 0.1 inch
- UL class B (130°C) insulation type

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
7-LZ-5H-K	LZ-5H-K	E	SPDT	5	5A	2.03	1.72	1.47	1.35
7-LZ-12H-K	LZ-12H-K	E	SPDT	12	5A	2.03	1.72	1.47	1.35
7-LZ-24HS-K	LZ-24HS-K	E	SPDT	24	5A	2.25	1.91	1.64	1.50
7-LZ-12VM-K	LZ-12VM-K	F	SPST-NO	12	10A	2.03	1.72	1.47	1.35

Y SERIES: 1 POLE - 5A ULTRA SLIM 5MM THICKNESS

atures:
ltra slim type with 5mm thickness
ow power consumption and high sensitivity
ide operating range
IP through-hole terminals

- Plastic sealed type
- UL, CSA, VDE recognized
- Cadmium free contacts

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
7-NY-12W-K	NY-12W-K	G	SPST-NO	12	5A	3.40	2.89	2.47	2.27
7-NY-24W-K	NY-24W-K	G	SPST-NO	24	5A	3.50	2.98	2.55	2.33

E SERIES: 1 POLE - 5 A (MEDIUM LOAD CONTROL)

atures:
ow cost, miniature relay with big
erformance in small package
im type- for high density DIP through-hole mounting

- Wide operating temperature range
- Plastic sealed type
- UL, CSA, VDE recognized

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
7-VE-12H-K	VE-12H-K	H	SPDT	12	5A	2.15	1.83	1.56	1.43
7-VE-24HS-K	VE-24HS-K	H	SPDT	24	5A	2.25	1.91	1.64	1.50
7-VE-5HSE-K	VE-5HSE-K	H	SPDT	5	5A	2.15	1.83	1.56	1.43
7-VE-6HSE-K	VE-6HSE-K-UL	H	SPDT	6	5A	2.15	1.83	1.56	1.43

DIMENSIONS (mm)

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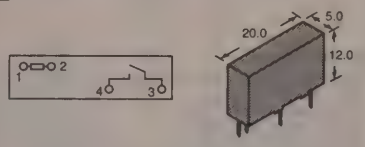

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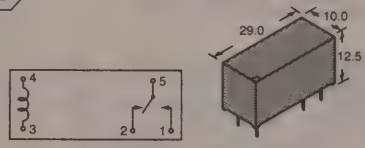

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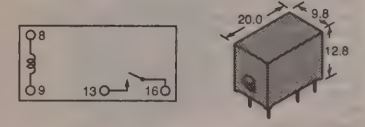

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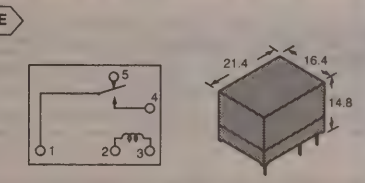

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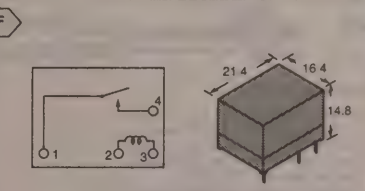

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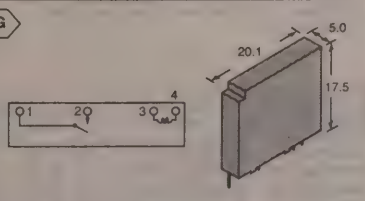

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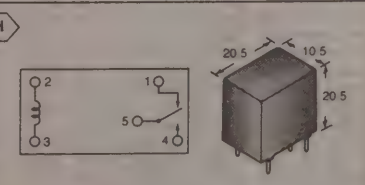

Fujitsu

PCB Relays

CLASS 276 SEALED LOW PROFILE POWER PCB RELAYS

Specifications:

- Contact resistance: 100 milliohms initial @ 6 VDC, 1 Amp
- Coil power: 200 mW approx
- Coil resistance: ±10%
- Contact material: silver alloy
- Dielectric strength: 2000 V rms
- Insulation resistance: 500 VDC exceeds 1000 megohms min
- Operating temperature: -40°C to +70°C
- Electrical life: 100,000 operations @ rated resistive load
- DTL compatible single-side stable design
- 5KV surge resistance coil to contact

c UL us UL Recognized File No. E52197

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
528-2761-5	276XAXH-5D	A1	SPDT	7A	5 VDC	125	4.90	4.53	4.29	4.04
528-2761-12	276XAXH-12D	A1	SPDT	7A	12 VDC	720	6.84	6.33	5.99	5.64
528-2761-24	276XAXH-24D	A1	SPDT	7A	24 VDC	2880	7.50	6.94	6.56	6.19
528-2762-5	276AXXH-5D	A2	SPST-NO	10A	5 VDC	125	6.42	5.94	5.62	5.30
528-2762-12	276AXXH-12D	A2	SPST-NO	10A	12 VDC	720	4.60	4.26	4.03	3.80
528-2762-24	276AXXH-24D	A2	SPST-NO	10A	24 VDC	2880	7.14	6.60	6.25	5.89

CLASS A178 SEALED STANDARD PCB RELAYS

Specifications:

- Contact resistance: 100 milliohms @ 24 VDC & 1 Amp max
- Coil power: 0.36 watts, 48 VDC : 0.51watts
- Coil resistance: ±10% measured @ 20°C
- Contact material: silver alloy
- Dielectric strength: 1500 V rms
- Insulation resistance: 100 Megohms @ 500 VDC
- Operating temperature: -40°C to +70°C
- Electrical life: 100,000 operations @ rated resistive load
- Class B insulation

c UL us UL Recognized File No. E52197

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
528-A17829-5	A178URE1-5DC	B3	SPDT	10A	5 VDC	70	1.20	1.11	1.05	.99
528-A17829-12	A178URE1-12DC	B3	SPDT	10A	12 VDC	400	.86	.80	.75	.71

CLASS 976 SEALED SLIM-LINE PCB RELAYS

Specifications:

- Contact resistance: 100 milliohms min
- Coil power: AC 1.2 VA, DC 0.54 watts
- Coil resistance: ±10% measured @ 25°C
- Contact material: silver cadmium oxide
- Dielectric strength: 5000 V rms
- Insulation resistance: 100 megohms 500 VDC
- Operating temperature: -20°C to +55°C
- Electrical life: 100,000 operations @ rated resistive load
- Class B insulation

c UL us UL Recognized File No. E52197 CSA

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
528-976A-5D	976XAXH-5D	C4	SPDT	12A	5 VDC	68	2.56	2.37	2.24	2.11
528-976A-12D	976XAXH-12D	C4	SPDT	12A	12 VDC	1100	2.56	2.37	2.24	2.11
528-976A-24D	976XAXH-24D	C4	SPDT	12A	24 VDC	4400	2.96	2.74	2.59	2.44
528-976A-24A	976XAXH-24A	C4	SPDT	12A	24 VAC	250	3.26	3.02	2.85	2.69
528-976A-120A	976XAXH-120A	C4	SPDT	12A	120 VAC	5600	3.96	3.66	3.47	3.27
528-976AH-5D	976XAX97H-5D	C5	SPDT	20A	5 VDC	47	2.72	2.52	2.38	2.24
528-976AH-12D	976XAX97H-12D	C5	SPDT	20A	12 VDC	270	2.72	2.52	2.38	2.24
528-976AH-24D	976XAX97H-24D	C5	SPDT	20A	24 VDC	1100	4.04	3.74	3.54	3.33
528-976AH-24A	976XAX97H-24A	C5	SPDT	20A	24 VAC	250	3.58	3.31	3.13	2.95
528-976AH-120A	976XAX97H-120A	C5	SPDT	20A	120 VAC	5600	4.12	3.81	3.61	3.40
528-976B-5D	976XBXH-5D	C6	DPDT	5A	5 VDC	47	2.86	2.65	2.50	2.36
528-976B-12D	976XBXH-12D	C6	DPDT	5A	12 VDC	270	2.96	2.74	2.59	2.44
528-976B-24D	976XBXH-24D	C6	DPDT	5A	24 VDC	1100	2.96	2.74	2.59	2.44
528-976B-24A	976XBXH-24A	C6	DPDT	5A	24 VAC	250	3.68	3.40	3.22	3.04
528-976B-120A	976XBXH-120A	C6	DPDT	5A	120 VAC	5600	4.18	3.87	3.66	3.45

DIMENSIONS (IN)

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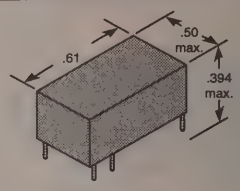

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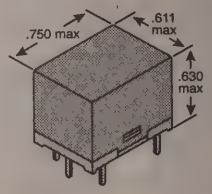

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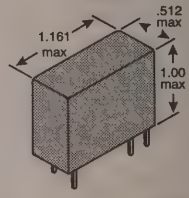

TERMINAL ARRANGEMENT

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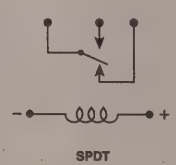

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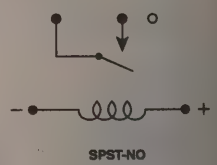

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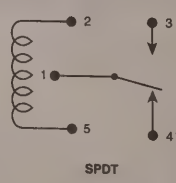

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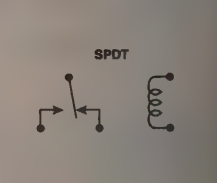

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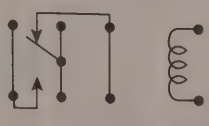

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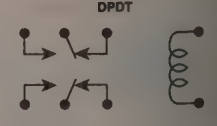


G5B SERIES: MINIATURE POWER PCB RELAYS

Specifications:
- Semi-sealed construction
- Contact rating: Standard/High-sensitivity type - 3A @ 125 VAC, High-capacity type - 8A @ 125 VAC
- Power consumption: Standard/High-capacity type - 360 mW, High-sensitivity type: 200 mW
- Contact material: Standard/High-sensitivity - Ag High-capacity - Ag alloy

NEW FROM SUPPLIER

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
Standard Type									
653-G5B-1-DC5	G5B-1-DC5	A4	SPST-NO	5 VDC	72 mA	2.53	2.26	2.08	1.90
653-G5B-1-DC12	G5B-1-DC12	A4	SPST-NO	12 VDC	30 mA	2.53	2.26	2.08	1.90
653-G5B-1-DC24	G5B-1-DC24	A4	SPST-NO	24 VDC	15 mA	2.74	2.45	2.25	2.06
High-sensitivity Type									
653-G5B-1-H-DC12	G5B-1-H-DC12	A4	SPST-NO	12 VDC	16.7 mA	2.74	2.45	2.25	2.06
653-G5B-1-H-DC24	G5B-1-H-DC24	A4	SPST-NO	24 VDC	8.3 mA	2.95	2.63	2.43	2.22
High-capacity Type									
653-G5B-1-E-DC12	G5B-1-E-DC12	A4	SPST-NO	12 VDC	30 mA	2.88	2.57	2.37	2.16
653-G5B-1-E-DC24	G5B-1-E-DC24	A4	SPST-NO	24 VDC	15 mA	3.01	2.69	2.47	2.26

G5CA SERIES: POWER PCB RELAYS

Specifications:
- Contact rating: Standard type - 10A @ 250 VAC; High-capacity type - 15A @ 110 VAC
- Power consumption: Standard type - 200 mW; High-sensitivity type: 150 mW
- Contact material: Ag alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
Standard Type with Vented Construction									
653-G5CA-1A-DC5	G5CA-1A-DC5	B5	SPST-NO	5 VDC	40 mA	3.56	2.84	2.51	2.26
653-G5CA-1A-DC12	G5CA-1A-DC12	B5	SPST-NO	12 VDC	16.7 mA	3.56	2.84	2.51	2.26
Standard Type with Sealed Construction									
653-G5CA-1A4-DC5	G5CA-1A4-DC5	B5	SPST-NO	5 VDC	40 mA	3.98	3.18	2.81	2.52
653-G5CA-1A4-DC12	G5CA-1A4-DC12	B5	SPST-NO	12 VDC	16.7 mA	3.98	3.18	2.81	2.52
653-G5CA-1A4-DC24	G5CA-1A4-DC24	B5	SPST-NO	24 VDC	8.3 mA	3.98	3.18	2.81	2.52
High-Capacity Type with Vented Construction									
653-G5CA-1A-E-DC5	G5CA-1A-E-DC5	B5	SPST-NO	5 VDC	30 mA	3.39	3.01	2.66	2.39
653-G5CA-1A-E-DC12	G5CA-1A-E-DC12	B5	SPST-NO	12 VDC	12.5 mA	3.39	3.01	2.66	2.39
653-G5CA-1A-E-DC24	G5CA-1A-E-DC24	B5	SPST-NO	24 VDC	6.25 mA	3.51	3.11	2.75	2.47

G5LB SERIES: 10A "SUGAR CUBE" POWER PCB RELAYS

Specifications:
- Class B insulation
- Power Consumption: 360mW
- Contact rating: 10A @ 120VAC
- Contact material: AgSnO2

NEW FROM SUPPLIER

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
Unsealed Construction									
653-G5LB-1-DC5	G5LB-1-DC5	C1	SPDT	5 VDC	72 mA	1.93	1.54	1.36	1.23
653-G5LB-1-DC12	G5LB-1-DC12	C1	SPDT	12 VDC	30.7 mA	1.93	1.54	1.36	1.23
653-G5LB-1-DC24	G5LB-1-DC24	C1	SPDT	24 VDC	15.2 mA	1.93	1.54	1.36	1.23
653-G5LB-1A-DC5	G5LB-1A-DC5	C2	SPST-NO	5 VDC	72 mA	1.93	1.54	1.36	1.23
653-G5LB-1A-DC12	G5LB-1A-DC12	C2	SPST-NO	12 VDC	30.7 mA	1.93	1.54	1.36	1.23
653-G5LB-1A-DC24	G5LB-1A-DC24	C2	SPST-NO	24 VDC	15.2 mA	1.93	1.54	1.36	1.23
Sealed Construction									
653-G5LB-14-DC5	G5LB-14-DC5	C1	SPDT	5 VDC	72 mA	1.93	1.54	1.36	1.23
653-G5LB-14-DC12	G5LB-14-DC12	C1	SPDT	12 VDC	30.7 mA	1.93	1.54	1.36	1.23
653-G5LB-14-DC24	G5LB-14-DC24	C1	SPDT	24 VDC	15.2 mA	1.93	1.54	1.36	1.23
653-G5LB-1A4-DC5	G5LB-1A4-DC5	C2	SPST-NO	5 VDC	72 mA	1.93	1.54	1.36	1.23
653-G5LB-1A4-DC12	G5LB-1A4-DC12	C2	SPST-NO	12 VDC	30.7 mA	1.93	1.54	1.36	1.23
653-G5LB-1A4-DC24	G5LB-1A4-DC24	C2	SPST-NO	24 VDC	15.2 mA	1.93	1.54	1.36	1.23

OMRON G5LE SERIES: 10A "SUGAR CUBE" POWER PCB RELAYS

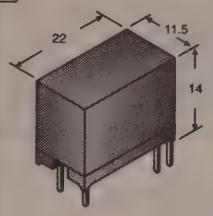
Specifications:
- Contact rating: 10A @ 120VAC
- Max. switching current: 10A AC 8A DC
- Power consumption: 400mW
- Class B insulation
- Contact material: AgSnO2

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
Unsealed Construction									
653-G5LE-1-DC5	G5LE-1-DC5	D6	SPDT	5 VDC	79.4 mA	1.67	1.48	1.31	1.18
653-G5LE-1-DC12	G5LE-1-DC12	D6	SPDT	12 VDC	33.3 mA	1.67	1.48	1.31	1.18
653-G5LE-1-DC24	G5LE-1-DC24	D6	SPDT	24 VDC	16.7 mA	1.67	1.48	1.31	1.18
Sealed Construction									
653-G5LE-14-DC5	G5LE-14-DC5	D6	SPDT	5 VDC	79.4 mA	1.18	.98	.93	.81
653-G5LE-14-DC6	G5LE-14-DC6	D6	SPDT	6 VDC	66.7 mA	1.18	.98	.93	.81
653-G5LE-14-DC9	G5LE-14-DC9	D6	SPDT	9 VDC	45 mA	1.18	.98	.93	.81
653-G5LE-14-DC12	G5LE-14-DC12	D6	SPDT	12 VDC	33.3 mA	1.18	.98	.93	.81
653-G5LE-14-DC24	G5LE-14-DC24	D6	SPDT	24 VDC	16.7 mA	1.18	.98	.93	.81
653-G5LE-1A4-DC5	G5LE-1A4-DC5	D7	SPST-NO	5 VDC	79.4 mA	1.18	.98	.93	.81
653-G5LE-1A4-DC6	G5LE-1A4-DC6	D7	SPST-NO	6 VDC	66.7 mA	1.18	.98	.93	.81
653-G5LE-1A4-DC9	G5LE-1A4-DC9	D7	SPST-NO	9 VDC	45 mA	1.18	.98	.93	.81
653-G5LE-1A4-DC12	G5LE-1A4-DC12	D7	SPST-NO	12 VDC	33.3 mA	1.18	.98	.93	.81
653-G5LE-1A4-DC24	G5LE-1A4-DC24	D7	SPST-NO	24 VDC	16.7 mA	1.18	.98	.93	.81

DIMENSIONS (mm)

A



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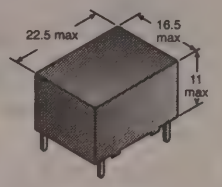

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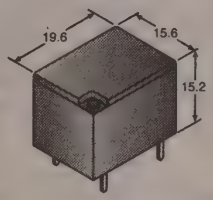

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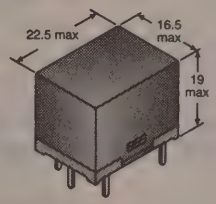

TERMINAL ARRANGEMENT

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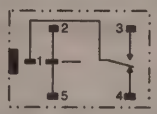

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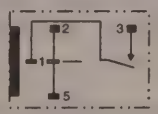

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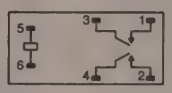

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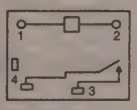

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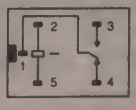

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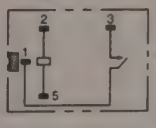


G5NB SERIES: 3A PCB RELAY WITH HIGH WITHSTAND VOLTAGE

Specifications:
- Rated load: 3 A @ 125VAC/30VDC
- Impulse withstand voltage: 10,000 V between coil and contacts
- Power consumption: 200mW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
653-G5NB-1A-DC5	G5NB-1A-DC5	A1	SPST-NO	5 VDC	40 mA	2.15	1.93	1.70	1.53
653-G5NB-1A-DC12	G5NB-1A-DC12	A1	SPST-NO	12 VDC	16.7 mA	2.15	1.93	1.70	1.53
653-G5NB-1A-DC24	G5NB-1A-DC24	A1	SPST-NO	24 VDC	8.3 mA	2.15	1.93	1.70	1.53

G5Q SERIES: COMPACT, HIGH ISOLATION POWER PCB RELAYS

Specifications:
- Contact rating: 10A (NO)/3A (NC)
- Power consumption: SPST-NO - 400mW SPDT - 200 mW
- Impulse withstand voltage: 8,000 V between coil and contacts
- Contact material: Ag Alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
Vented Construction									
653-G5Q-1A-DC5	G5Q-1A-DC5	B2	SPST-NO	5 VDC	40 mA	2.15	1.72	1.52	1.36
653-G5Q-1A-DC12	G5Q-1A-DC12	B2	SPST-NO	12 VDC	16.7 mA	2.15	1.72	1.52	1.36
653-G5Q-1A-DC24	G5Q-1A-DC24	B2	SPST-NO	24 VDC	8.3 mA	2.15	1.72	1.52	1.36
653-G5Q-1-DC5	G5Q-1-DC5	B3	SPDT	5 VDC	80 mA	2.25	1.80	1.59	1.43
653-G5Q-1-DC12	G5Q-1-DC12	B3	SPDT	12 VDC	33.3 mA	2.25	1.80	1.59	1.43
653-G5Q-1-DC24	G5Q-1-DC24	B3	SPDT	24 VDC	16.7 mA	2.25	1.80	1.59	1.43
Sealed Construction									
653-G5Q-1A4-DC5	G5Q-1A4-DC5	B2	SPST-NO	5 VDC	40 mA	2.30	1.84	1.62	1.46
653-G5Q-1A4-DC12	G5Q-1A4-DC12	B2	SPST-NO	12 VDC	16.7 mA	2.30	1.84	1.62	1.46
653-G5Q-1A4-DC24	G5Q-1A4-DC24	B2	SPST-NO	24 VDC	8.3 mA	2.30	1.84	1.62	1.46
653-G5Q-14-DC5	G5Q-14-DC5	B3	SPDT	5 VDC	80 mA	2.40	1.92	1.69	1.52
653-G5Q-14-DC12	G5Q-14-DC12	B3	SPDT	12 VDC	33.3 mA	2.40	1.92	1.69	1.52
653-G5Q-14-DC24	G5Q-14-DC24	B3	SPDT	24 VDC	16.7 mA	2.40	1.92	1.69	1.52

G5RL SERIES: 16A AC-COIL TYPE HIGH CAPACITY POWER PCB RELAYS

NEW FROM SUPPLIER

Specifications:
- Contact rating: 16A @ 250VAC (NO)/ 5A 24VDC (NC)
- Power consumption: 0.75 VA
- Class F insulation
- Contact material: AgSnIn
- ✻ Rated coil current @ 60Hz

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated ✻ Coil Current	Price Each 1	25	50	100
653-G5RL-1E-AC24	G5RL-1-E-AC24	C4	SPST-NO	24 VAC	28.3 mA	5.31	4.24	3.75	3.37
653-G5RL-1E-AC120	G5RL-1-E-AC115/120	C4	SPST-NO	115/120 VAC	5.35/5.70 mA	6.48	5.18	4.57	4.11
653-G5RL-1E-AC240	G5RL-1-E-AC230/240	C4	SPST-NO	230/240 VAC	2.76/2.88 mA	10.58	8.46	7.46	6.71

G5SB SERIES: COMPACT POWER PCB RELAYS

Specifications:
- Contact rating: 5A (NO)/ 3A (NC)
- Power consumption: 400mW
- Impulse withstand voltage: 8,000 V between coil and contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
653-G5SB-14-DC5	G5SB-14-DC5	D5	SPDT	5 VDC	80 mA	1.53	1.40	1.22	1.01
653-G5SB-14-DC12	G5SB-14-DC12	D5	SPDT	12 VDC	33.3 mA	1.53	1.40	1.22	1.01
653-G5SB-14-DC24	G5SB-14-DC24	D5	SPDT	24 VDC	16.7 mA	1.64	1.50	1.31	1.08

G6B SERIES: SUBMINIATURE POWER PCB RELAYS

Specifications:
- Contact rating: Standard type - 5A @ 250 VAC; High-capacity type - 8A @ 250 VAC
- Power consumption: SPST-NO - 200mW 2-pole - 300mW
- Contact material: Ag Alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
Standard Type with Sealed Construction, Non-Latching									
653-G6B-1114P-DC5	G6B-1114P-US-DC5	E6	SPST-NO	5 VDC	40 mA	4.10	3.64	3.21	2.89
653-G6B-1114P-DC12	G6B-1114P-US-DC12	E6	SPST-NO	12 VDC	16.7 mA	4.10	3.64	3.21	2.89
653-G6B-1114P-DC24	G6B-1114P-US-DC24	E6	SPST-NO	24 VDC	8.3 mA	4.21	3.74	3.30	2.97
653-G6B-2114P-DC5	G6B-2114P-US-DC5	E7	SPST-NO + SPST-NC	5 VDC	60 mA	5.01	4.45	3.93	3.53
653-G6B-2114P-DC12	G6B-2114P-US-DC12	E7	SPST-NO + SPST-NC	12 VDC	25 mA	5.01	4.45	3.93	3.53
653-G6B-2114P-DC24	G6B-2114P-US-DC24	E7	SPST-NO + SPST-NC	24 VDC	12.5 mA	5.24	4.65	4.10	3.69
653-G6B-2214P-DC5	G6B-2214P-US-DC5	E8	DPST-NO	5 VDC	60 mA	5.01	4.45	3.93	3.53
653-G6B-2214P-DC12	G6B-2214P-US-DC12	E8	DPST-NO	12 VDC	25 mA	5.01	4.45	3.93	3.53
653-G6B-2214P-DC24	G6B-2214P-US-DC24	E8	DPST-NO	24 VDC	12.5 mA	5.24	4.65	4.10	3.69
High Capacity Type with Sealed Construction, Non-Latching									
653-G6B-1174P-DC5	G6B-1174P-US-DC5	F6	SPST-NO	5 VDC	40 mA	4.90	4.35	3.84	3.45
653-G6B-1174P-DC12	G6B-1174P-US-DC12	F6	SPST-NO	12 VDC	16.7 mA	4.90	4.35	3.84	3.45
653-G6B-1174P-DC24	G6B-1174P-US-DC24	F6	SPST-NO	24 VDC	8.3 mA	5.07	4.50	3.97	3.58
Sockets for G6B series		**Fits Series**				1	20	40	100
653-P6B-04P	P6B-04P	G6B-1114P, G6B-1174P				1.65	1.32	1.16	1.04
653-P6B-26P	P6B-26P	G6B-2114P, G6B-2214P				2.12	1.70	1.50	1.35

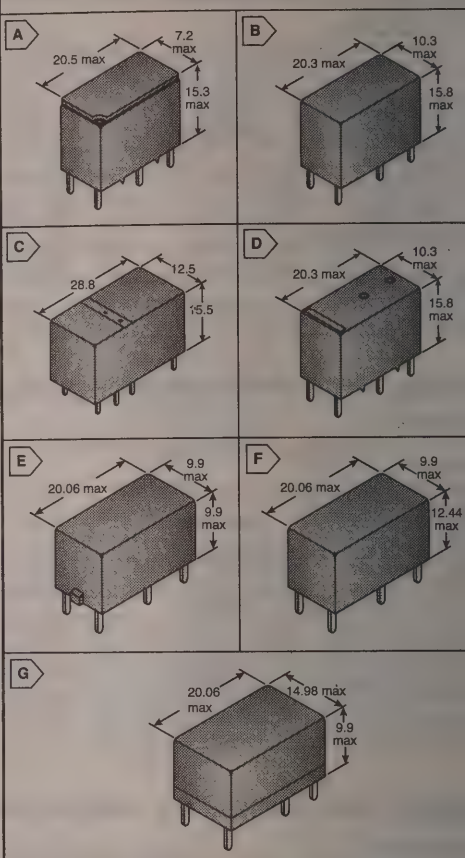
G6C SERIES: SUBMINIATURE POWER PCB RELAYS

Specifications:
- Contact rating: SPST-NO - 10A @ 250 VAC; SPST-NO+SPST-NC - 8A @ 250VAC
- Power consumption: 200mW
- Contact material: Ag Alloy

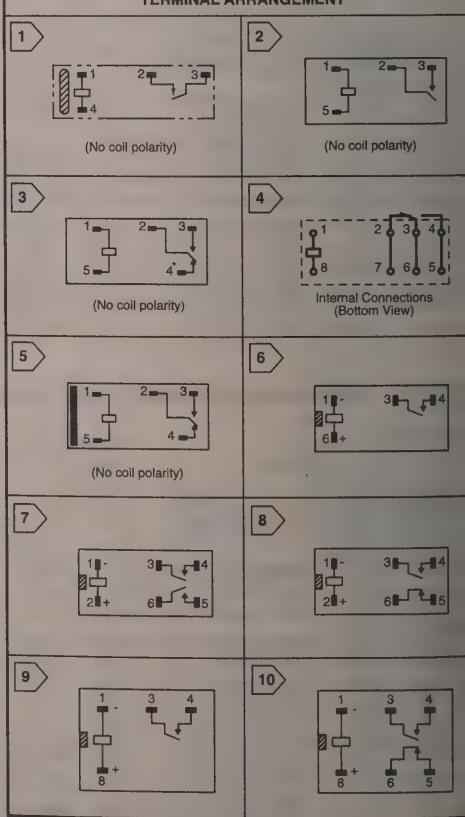
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
653-G6C-1114P-DC5	G6C-1114P-US-DC5	G9	SPST-NO	5 VDC	40 mA	4.93	4.37	3.86	3.47
653-G6C-1114P-DC12	G6C-1114P-US-DC12	G9	SPST-NO	12 VDC	40 mA	4.93	4.37	3.86	3.47
653-G6C-1114P-DC24	G6C-1114P-US-DC24	G9	SPST-NO	24 VDC	40 mA	5.08	4.51	3.98	3.58
653-G6C-2114P-DC5	G6C-2114P-US-DC5	G10	SPST-NO + SPST-NC	5 VDC	40 mA	5.68	5.04	4.45	4.00
653-G6C-2114P-DC12	G6C-2114P-US-DC12	G10	SPST-NO + SPST-NC	12 VDC	40 mA	5.68	5.04	4.45	4.00
653-G6C-2114P-DC24	G6C-2114P-US-DC24	G10	SPST-NO + SPST-NC	24 VDC	40 mA	5.86	5.20	4.59	4.13
Sockets for G6C Series		**Fits Series**				1	20	40	100
653-P6C-06P	P6C-06P	G6C-1114P, G6C-2114P				2.06	1.65	1.45	1.31

DIMENSIONS (mm)



TERMINAL ARRANGEMENT



MOUSER a tti company

(800) 346-6873

G6D-ASI SERIES: SLIM POWER PCB RELAYS

Specifications:
Contact rating: 5A @ 250VAC/30VDC fully sealed construction
Power consumption: 200mW
Contact material: Ag Alloy

NEW FROM SUPPLIER

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
653-G6D-1AASI-DC5	G6D-1A-ASI-DC5	A1	SPST-NO	5 VDC	40 mA	4.37	3.87	3.42	3.08
653-G6D-1AASI-DC12	G6D-1A-ASI-DC12	A1	SPST-NO	12 VDC	16.7 mA	4.37	3.87	3.42	3.08
653-G6D-1AASI-DC24	G6D-1A-ASI-DC24	A1	SPST-NO	24 VDC	8.3 mA	4.69	4.17	3.68	3.31
Sockets for G6D Series		**Description**							
653-P6D-04P	P6D-04P	PC mount for G6D-1A				2.78	2.23	1.96	1.77

G6DS SERIES: SLIM, MINIATURE PCB RELAYS

Specifications:
Contact rating: 5A @ 250VAC/30VDC fully sealed construction
Power consumption: Standard type - 180 mW
High-sensitivity type: 120 mW

NEW FROM SUPPLIER

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
Standard Type									
653-G6DS-1A-DC5	G6DS-1A-DC5	B2	SPST-NO	5 VDC	36 mA	5.00	4.00	3.53	3.17
653-G6DS-1A-DC12	G6DS-1A-DC12	B2	SPST-NO	12 VDC	15 mA	5.00	4.00	3.53	3.17
653-G6DS-1A-DC24	G6DS-1A-DC24	B2	SPST-NO	24 VDC	7.5 mA	5.46	4.36	3.85	3.46
High Sensitivity Type									
653-G6DS-1A-H-DC5	G6DS-1A-H-DC5	B2	SPST-NO	5 VDC	24 mA	5.22	4.17	3.68	3.31
653-G6DS-1A-H-DC12	G6DS-1A-H-DC12	B2	SPST-NO	12 VDC	10 mA	5.22	4.17	3.68	3.31
653-G6DS-1A-H-DC24	G6DS-1A-H-DC24	B2	SPST-NO	24 VDC	5 mA	5.60	4.48	3.95	3.56

G6M SERIES: SIL PACKAGE POWER PCB RELAYS

Specifications:
Contact rating: 3A @ 250VAC/30VDC
Max. switching current: 5A
• Power consumption: 120mW
fully sealed construction

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
653-G6M-1A-DC5	G6M-1A-DC5	C3	SPST-NO	5 VDC	24 mA	4.50	4.02	3.60	2.96
653-G6M-1A-DC12	G6M-1A-DC12	C3	SPST-NO	12 VDC	10 mA	4.50	4.02	3.60	2.96
653-G6M-1A-DC24	G6M-1A-DC24	C3	SPST-NO	24 VDC	5 mA	4.85	4.33	3.88	3.19

G6RN SERIES: HEAVY DUTY MINIATURE RELAYS

Specifications:
Rated switching current: 8A @ 250VAC/ 5A @ 30VDC
Power consumption: 220mW
• Plastic-sealed construction
• Contact material: AgNi + gold plating

LEAD-FREE

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
653-G6RN-1-DC5	G6RN-1-DC5	D4	SPDT	5 VDC	44 mA	2.60	2.08	1.83	1.65
653-G6RN-1-DC12	G6RN-1-DC12	D4	SPDT	12 VDC	18.3 mA	2.60	2.08	1.83	1.65
653-G6RN-1-DC24	G6RN-1-DC24	D4	SPDT	24 VDC	9.2 mA	2.60	2.08	1.83	1.65
653-G6RN-1A-DC12	G6RN-1A-DC12	D4	SPST-NO	12 VDC	18.3 mA	2.53	2.02	1.78	1.60
653-G6RN-1A-DC24	G6RN-1A-DC24	D4	SPST-NO	24 VDC	9.2 mA	2.53	2.02	1.78	1.60

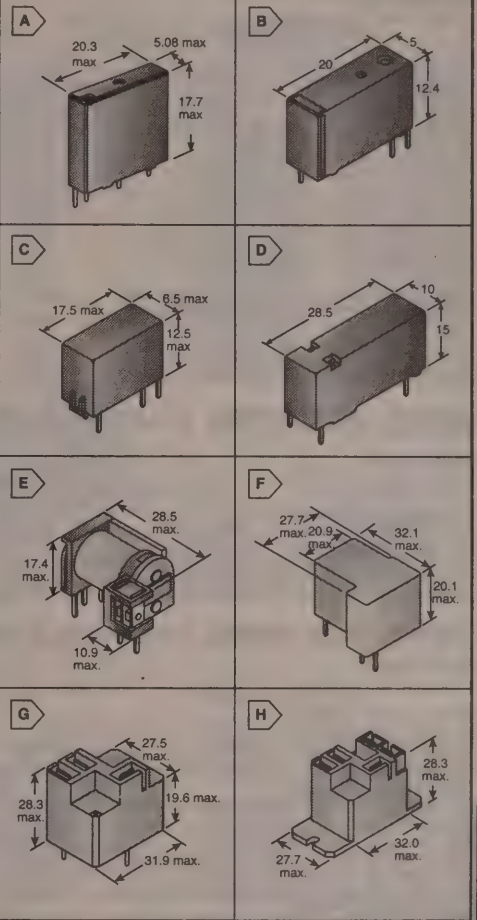
G8PT SERIES: HEAVY DUTY COMPACT POWER PCB RELAYS

Specifications:
Contact rating: SPST-NO - 30A @ 250 VAC/20A @ 28VDC
SPDT - 20A (NO)/10A (NC) @ 250VAC
Power consumption: 900mW
• Class F insulation
• Impulse withstand voltage: 6,000 V between coil and contacts
• Contact material: Ag Alloy

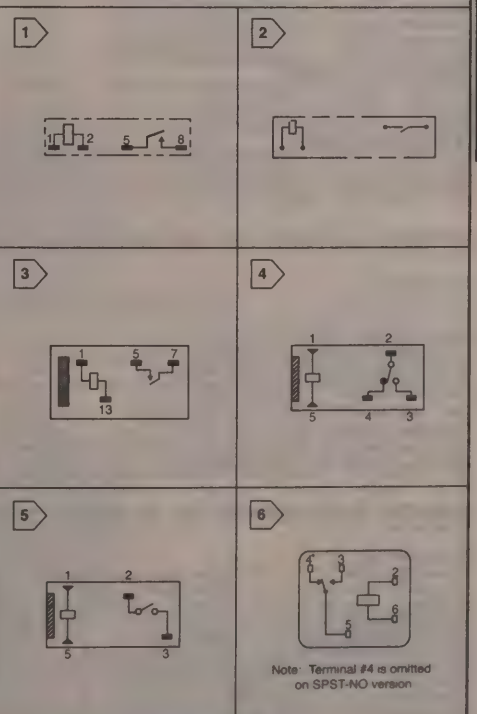
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
Open Frame, PCB Mount									
653-G8P-1AP-DC5	G8P-1AP-DC5	E5	SPST-NO	5 VDC	185 mA	2.90	2.32	2.04	1.84
653-G8P-1AP-DC12	G8P-1AP-DC12	E5	SPST-NO	12 VDC	77 mA	2.90	2.32	2.04	1.84
653-G8P-1AP-DC24	G8P-1AP-DC24	E5	SPST-NO	24 VDC	36 mA	2.90	2.32	2.04	1.84
Sealed with Ventable Nib, PCB Mount									
653-G8P-1A4P-DC12	G8P-1A4P-DC12	F6	SPST-NO	12 VDC	77 mA	3.20	2.56	2.26	2.03
653-G8P-1A4P-DC24	G8P-1A4P-DC24	F6	SPST-NO	24 VDC	36 mA	3.20	2.56	2.26	2.03
653-G8P-1C4P-DC12	G8P-1C4P-DC12	F6	SPDT	12 VDC	77 mA	3.30	2.64	2.33	2.09
653-G8P-1C4P-DC24	G8P-1C4P-DC24	F6	SPDT	24 VDC	36 mA	3.30	2.64	2.33	2.09
Sealed with Ventable Nib, PCB & QC Load Terminals									
653-G8P-1A4TP-DC12	G8P-1A4TP-DC12	G6	SPST-NO	12 VDC	77 mA	3.70	2.96	2.61	2.35
653-G8P-1A4TP-DC24	G8P-1A4TP-DC24	G6	SPST-NO	24 VDC	36 mA	3.70	2.96	2.61	2.35
653-G8P-1C4TP-DC12	G8P-1C4TP-DC12	G6	SPDT	12 VDC	77 mA	3.80	3.04	2.68	2.41
653-G8P-1C4TP-DC24	G8P-1C4TP-DC24	G6	SPDT	24 VDC	36 mA	3.80	3.04	2.68	2.41
Vented, Flange Mount with QC Terminals									
653-G8P-1A2T-F-DC12	G8P-1A2T-F-DC12	H6	SPST-NO	12 VDC	77 mA	4.00	3.20	2.82	2.54
653-G8P-1A2T-F-DC24	G8P-1A2T-F-DC24	H6	SPST-NO	24 VDC	36 mA	4.00	3.20	2.82	2.54
653-G8P-1C2T-F-DC12	G8P-1C2T-F-DC12	H6	SPDT	12 VDC	77 mA	4.10	3.28	2.89	2.60
653-G8P-1C2T-F-DC24	G8P-1C2T-F-DC24	H6	SPDT	24 VDC	36 mA	4.10	3.28	2.89	2.60

DIMENSIONS (mm)



TERMINAL ARRANGEMENT



OMRON Power PCB Relays

G2R SERIES: VERSATILE POWER PCB RELAYS

Specifications:
- Contact rating: 1-pole general purpose type - 10A @ 250VAC/30VDC
  2-pole general purpose type - 5A @ 250VAC/30VDC
  1-pole high-capacity type - 16A @ 250VAC/30VDC
- Contact material: Ag Alloy
- Power consumption: DC coil - 530 mW AC coil - 0.9 VA

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
Sealed Construction, General Purpose Type									
653-G2R-14-DC5	G2R-14-DC5	A1	SPDT	5 VDC	106 mA	3.73	2.98	2.63	2.37
653-G2R-14-DC12	G2R-14-DC12	A1	SPDT	12 VDC	43.6 mA	3.73	2.98	2.63	2.37
653-G2R-14-DC24	G2R-14-DC24	A1	SPDT	24 VDC	21.8 mA	3.73	2.98	2.63	2.37
653-G2R-14-AC24	G2R-14-AC24	A1	SPDT	24 VAC	37.5 mA	6.26	5.00	4.41	3.97
653-G2R-14-AC120	G2R-14-AC120	A1	SPDT	120 VAC	7.5 mA	6.88	5.66	5.01	4.53
653-G2R-24-DC5	G2R-24-DC5	A2	DPDT	5 VDC	106 mA	4.28	3.52	3.11	2.81
653-G2R-24-DC12	G2R-24-DC12	A2	DPDT	12 VDC	43.6 mA	4.28	3.52	3.11	2.81
653-G2R-24-DC24	G2R-24-DC24	A2	DPDT	24 VDC	21.8 mA	4.28	3.52	3.11	2.81
653-G2R-24-AC24	G2R-24-AC24	A2	DPDT	24 VAC	37.5 mA	7.15	5.88	5.21	4.70
653-G2R-24-AC120	G2R-24-AC120	A2	DPDT	120 VAC	7.5 mA	7.80	6.41	5.68	5.13
Semi-Sealed Construction, High-Capacity Type									
653-G2R-1-E-DC5	G2R-1E-DC5	A3	SPDT	5 VDC	106 mA	3.79	3.12	2.76	2.49
653-G2R-1-E-DC12	G2R-1E-DC12	A3	SPDT	12 VDC	43.6 mA	3.79	3.12	2.76	2.49
653-G2R-1-E-DC24	G2R-1E-DC24	A3	SPDT	24 VDC	21.8 mA	3.79	3.12	2.76	2.49
653-G2R-1-E-AC120	G2R-1E-AC120	A3	SPDT	120 VAC	7.5 mA	7.01	5.76	5.11	4.61

G2RG SERIES: FULLY SEALED POWER PCB RELAYS

NEW FROM SUPPLIER

Specifications:
- Contact rating: 8A @ 250VDC
- Power consumption: 800mW
- Dimensions and mounting holes same as G2R
- Contact material: Ag Alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
653-G2RG-2A4-DC12	G2RG-2A4-DC12	B4	DPST-NO	12 VDC	66.6 mA	4.75	4.35	4.02	3.57
653-G2RG-2A4-DC24	G2RG-2A4-DC24	B4	DPST-NO	24 VDC	33.3 mA	4.75	4.35	4.02	3.57

G2RL SERIES: LOW PROFILE POWER PCB RELAYS

Specifications:
- Contact rating: 1-pole - 12A @ 250VAC/24VDC
  2-pole - 8A @ 250VAC/30VDC
- Contact material: 1-pole - AgSnO2
  2-pole - AgNi
- Power consumption: 400 mW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
Sealed Class B Insulation									
653-G2RL-14B-DC5	G2RL-14-DC5	C5	SPDT	5 VDC	80 mA	3.50	2.80	2.47	2.22
653-G2RL-14B-DC12	G2RL-14-DC12	C5	SPDT	12 VDC	33.33 mA	3.50	2.80	2.47	2.22
653-G2RL-14B-DC24	G2RL-14-DC24	C5	SPDT	24 VDC	16.7 mA	3.50	2.80	2.47	2.22
653-G2RL-24B-DC5	G2RL-24-DC5	C2	DPDT	5 VDC	80 mA	4.10	3.28	2.89	2.60
653-G2RL-24B-DC12	G2RL-24-DC12	C2	DPDT	12 VDC	33.33 mA	4.10	3.28	2.89	2.60
653-G2RL-24B-DC24	G2RL-24-DC24	C2	DPDT	24 VDC	16.7 mA	4.10	3.28	2.89	2.60
Sealed Class F Insulation									
653-G2RL-14-DC5	G2RL-14-CF-DC5	C5	SPDT	5 VDC	80 mA	3.65	2.92	2.57	2.32
653-G2RL-14-DC12	G2RL-14-CF-DC12	C5	SPDT	12 VDC	33.33 mA	3.65	2.92	2.57	2.32
653-G2RL-14-DC24	G2RL-14-CF-DC24	C5	SPDT	24 VDC	16.7 mA	3.65	2.92	2.57	2.32
653-G2RL-24-DC5	G2RL-24-CF-DC5	C2	DPDT	5 VDC	80 mA	4.30	3.44	3.03	2.73
653-G2RL-24-DC12	G2RL-24-CF-DC12	C2	DPDT	12 VDC	33.33 mA	4.30	3.44	3.03	2.73
653-G2RL-24-DC24	G2RL-24-CF-DC24	C2	DPDT	24 VDC	16.7 mA	4.30	3.44	3.03	2.73
Vented Class B Insulation									
653-G2RL-1AB-DC5	G2RL-1A-DC5	C6	SPST-NO	5 VDC	80 mA	2.70	2.16	1.90	1.71
653-G2RL-1AB-DC12	G2RL-1A-DC12	C6	SPST-NO	12 VDC	33.33 mA	2.70	2.16	1.90	1.71
653-G2RL-1AB-DC24	G2RL-1A-DC24	C6	SPST-NO	24 VDC	16.7 mA	2.70	2.16	1.90	1.71
Vented Class F Insulation									
653-G2RL-1A-DC5	G2RL-1A-CF-DC5	C8	SPST-NO	5 VDC	80 mA	2.90	2.32	2.04	1.84
653-G2RL-1A-DC12	G2RL-1A-CF-DC12	C6	SPST-NO	12 VDC	33.33 mA	2.90	2.32	2.04	1.84
653-G2RL-1A-DC24	G2RL-1A-CF-DC24	C8	SPST-NO	24 VDC	16.7 mA	2.90	2.32	2.04	1.84

G4A SERIES: 20A MINIATURE POWER PCB RELAYS

Specifications:
- Vented construction
- Power consumption: 900 mW
- Highly noise-resistive insulation materials
- Contact rating: 20A @ 250VAC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Termination	Price Each 1	25	50	100
653-G4A-1AE-DC5	G4A-1A-E-DC5	D7	SPST-NO	5 VDC	PCB & QC	6.00	5.08	4.51	4.09
653-G4A-1AE-DC12	G4A-1A-E-DC12	D7	SPST-NO	12 VDC	PCB & QC	6.00	5.08	4.51	4.09
653-G4A-1AE-DC24	G4A-1A-E-DC24	D7	SPST-NO	24 VDC	PCB & QC	6.00	5.08	4.51	4.09
653-G4A-1APE-DC12	G4A-1A-P-E-DC12	E8	SPST-NO	12 VDC	PCB	6.40	5.41	4.81	4.36
653-G4A-1APE-DC24	G4A-1A-P-E-DC24	E8	SPST-NO	24 VDC	PCB	6.40	5.41	4.81	4.36

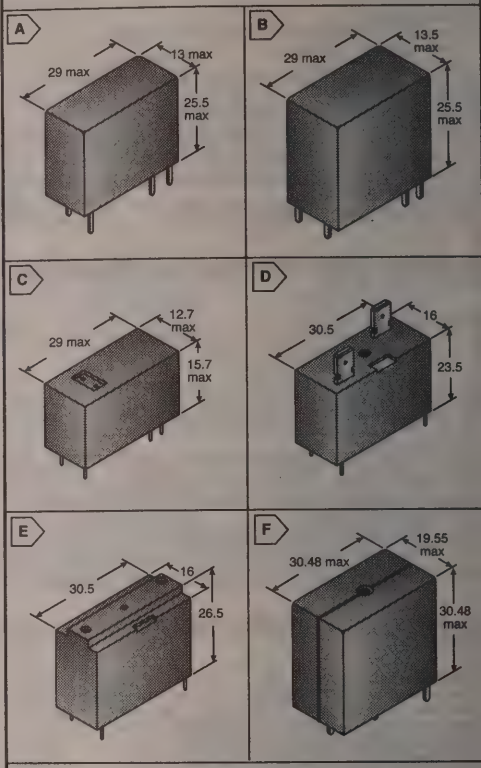
G4W SERIES: 15A POWER PCB RELAYS

Specifications:
- Sealed Construction
- Power consumption: 800 mW
- Impulse dielectric strength: 10,000 VAC between coil and contact
- Contact material: AgCdO

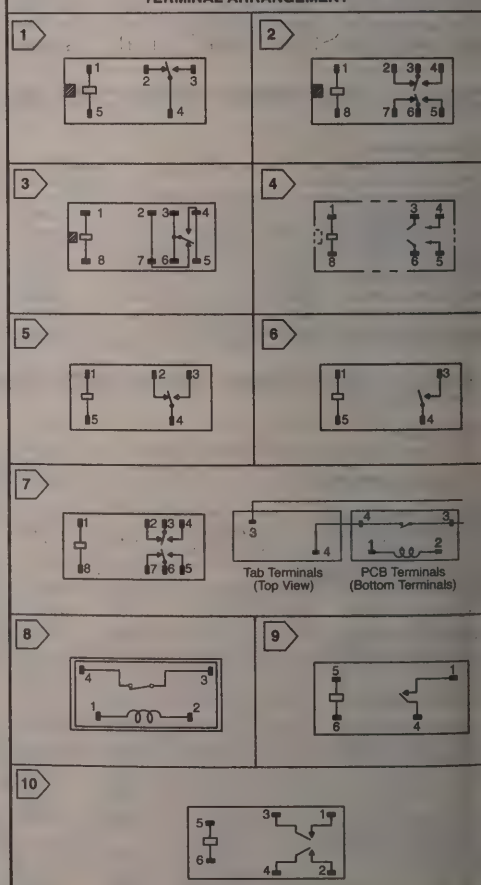
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each 1	25	50	100
653-G4W-1114P-DC12	G4W-1114P-US-TV8HP-DC12	F9	SPST-NO	12 VDC	66.7 mA	5.37	4.77	4.20	3.78
653-G4W-1114P-DC24	G4W-1114P-US-TV8HP-DC24	F9	SPST-NO	24 VDC	33.3 mA	5.37	4.77	4.20	3.78
653-G4W-2214P-DC12	G4W-2214P-US-HP-DC12	F10	DPST-NO	12 VDC	66.7 mA	6.39	5.67	5.00	4.50
653-G4W-2214P-DC24	G4W-2214P-US-HP-DC24	F10	DPST-NO	24 VDC	33.3 mA	6.39	5.67	5.00	4.50

DIMENSIONS (mm)



TERMINAL ARRANGEMENT



OEG OJ/OJE SERIES: MINIATURE PCB RELAYS

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Specifications:
Dielectric strength: OJ = 4kV; OJE = 3kV
Sealed plastic case
Contact form: SPST-NO
Nominal power: Standard coil = 450 mW;
Sensitive coil = 200 mW

Common Applications:
- Appliances
- HVAC
- Industrial Control

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Rating	Nominal Coil Current	Price Each 1	25	50	100
Standard Coil									
77-OJE-SH-105DM	OJE-SH-105DM,095	A	5 VDC	5 A	91.0mA	.88	.79	.75	.70
77-OJE-SH-112DM	OJE-SH-112DM,095	A	12 VDC	5 A	37.5mA	.82	.74	.70	.66
77-OJE-SH-124DM	OJE-SH-124DM,095	A	24 VDC	5 A	9.4mA	.84	.76	.71	.67
77-OJ-SH-105HM	OJ-SH-105HM,095	A	5 VDC	10 A	91.0mA	.92	.83	.78	.73
77-OJ-SH-112DM	OJ-SH-112DM,000	A	12 VDC	5 A	37.5mA	.76	.68	.65	.61
Sensitive Coil									
77-OJ-SH-112LM	OJ-SH-112LM,000	A	12 VDC	3 A	16.7mA	.84	.76	.71	.68
77-OJ-SH-124LM	OJ-SH-124LM,000	A	24 VDC	3 A	8.6mA	.86	.78	.73	.69

OEG OMI/OMIH SERIES: MINIATURE POWER PCB RELAYS

tyco Electronics

Specifications:
Dielectric strength: OJ = 4kV; OJE = 3kV
Sealed plastic case
Contact rating: SPDT OMI = 10A;
DPDT OMI = 5A; SPDT OMIH = 16A
Nominal power: Standard coil = 720 mW;
Sensitive coil = 540 mW

Common Applications:
- Appliances
- HVAC
- Office machines

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each 1	25	50	100
Standard Coil									
77-OMI-SH-105D	OMI-SH-105D,300	B	5 VDC	SPDT	138.9mA	1.34	1.20	1.14	1.07
77-OMI-SH-112D	OMI-SH-112D,394	B	12 VDC	SPDT	60.0mA	1.14	1.03	.97	.91
77-OMI-SH-124D	OMI-SH-124D,300	B	24 VDC	SPDT	29.3mA	1.36	1.22	1.16	1.09
77-OMI-SH-205D	OMI-SH-205D,594	C	5 VDC	DPDT	138.9mA	1.76	1.58	1.50	1.40
77-OMI-SH-212D	OMI-SH-212D,594	C	12 VDC	DPDT	60.0mA	1.68	1.51	1.43	1.34
77-OMI-SH-224D	OMI-SH-224D,594	C	24 VDC	DPDT	29.3mA	1.76	1.58	1.50	1.40
77-OMIH-SH-105D	OMIH-SH-105D,394	B	5 VDC	SPDT	138.9mA	1.64	1.47	1.40	1.31
77-OMIH-SH-112D	OMIH-SH-112D,394	B	12 VDC	SPDT	60.0mA	1.64	1.47	1.40	1.31
77-OMIH-SH-124D	OMIH-SH-124D,394	B	24 VDC	SPDT	29.3mA	1.66	1.49	1.41	1.32
Sensitive Coil									
77-OMI-SH-105L	OMI-SH-105L,300	B	5 VDC	SPDT	106.4mA	1.34	1.20	1.14	1.07
77-OMI-SH-112L	OMI-SH-112L,394	B	12 VDC	SPDT	44.4mA	1.36	1.22	1.16	1.09
77-OMI-SH-124L	OMI-SH-124L,394	B	24 VDC	SPDT	21.8mA	1.38	1.24	1.17	1.11
77-OMI-SH-205L	OMI-SH-205L,594	C	5 VDC	DPDT	106.4mA	1.72	1.55	1.46	1.37
77-OMI-SH-212L	OMI-SH-212L,594	C	12 VDC	DPDT	44.4mA	1.74	1.57	1.48	1.39
77-OMI-SH-224L	OMI-SH-224L,594	C	24 VDC	DPDT	21.8mA	1.74	1.56	1.48	1.39
77-OMIH-SH-105L	OMIH-SH-105L,394	B	5 VDC	SPDT	106.4mA	1.64	1.47	1.40	1.31
77-OMIH-SH-112L	OMIH-SH-112L,394	B	12 VDC	SPDT	44.4mA	1.64	1.47	1.40	1.31
77-OMIH-SH-124L	OMIH-SH-124L,394	B	24 VDC	SPDT	21.8mA	1.66	1.49	1.41	1.32

OEG OSA SERIES: MINIATURE POWER PCB RELAYS

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Specifications:
DM5 type meet UL TV-3 and CSA TV-4 rating
Semco and TUV approvals for DM5 type
Sealed plastic case
Contact form: DPST-NO
Nominal power: 540 mW

Common Applications:
- Appliances
- Audio equipment
- Office machines

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Rating	Nominal Coil Current	Price Each 1	25	50	100
77-OSA-SH-205DM5	OSA-SH-205DM5,600	D	5 VDC	5 A	106.4 mA	1.00	.90	.85	.80
77-OSA-SH-212DM3	OSA-SH-212DM3,000M	D	12 VDC	3 A	44.4 mA	.96	.86	.82	.77
77-OSA-SH-212DM5	OSA-SH-212DM5,600	D	12 VDC	5 A	44.4 mA	1.02	.91	.87	.82
77-OSA-SH-224DM3	OSA-SH-224DM3,000M	D	24 VDC	3 A	21.8 mA	.97	.87	.83	.77
77-OSA-SH-224DM5	OSA-SH-224DM5,600M	D	24 VDC	5 A	21.8 mA	1.06	.95	.90	.84

OEG OSZ SERIES: MINIATURE POWER PCB RELAYS

tyco Electronics

Specifications:
Meets UL Tungsten TV-8 rating
Vented (flux-tight) plastic case
Contact form: DPST-NO
Nominal power: 540 mW

Common Applications:
- Appliances
- HVAC
- Office machines

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Rating	Nominal Coil Current	Price Each 1	25	50	100
77-OSZ-SS-105DM8	OSZ-SS-105DM8,000	E	5 VDC	16 A	106.4 mA	1.28	1.15	1.09	1.02
77-OSZ-SS-112DM8	OSZ-SS-112DM8,000	E	12 VDC	16 A	44.4 mA	1.04	.93	.88	.83
77-OSZ-SS-124DM8	OSZ-SS-124DM8,000	E	24 VDC	16 A	21.8 mA	1.28	1.15	1.09	1.02

DIMENSIONS (mm.)

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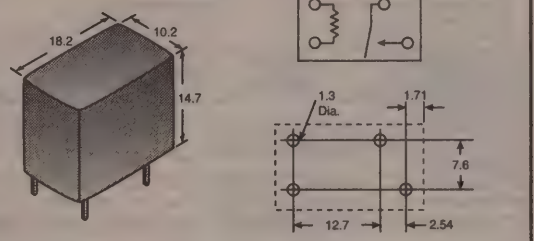

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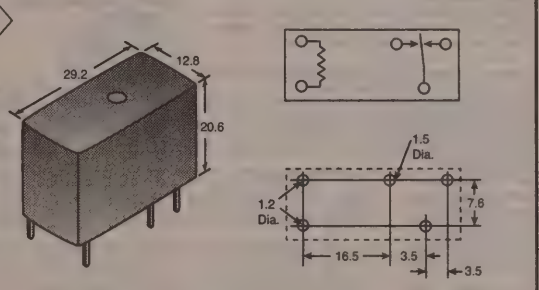

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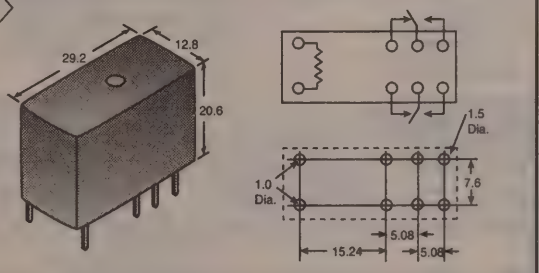

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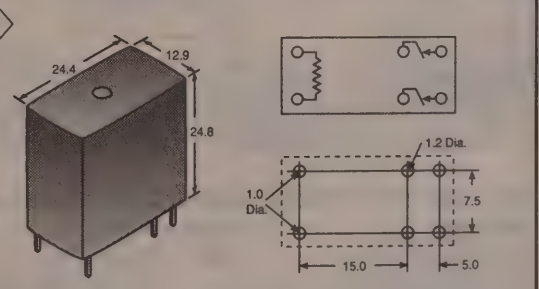

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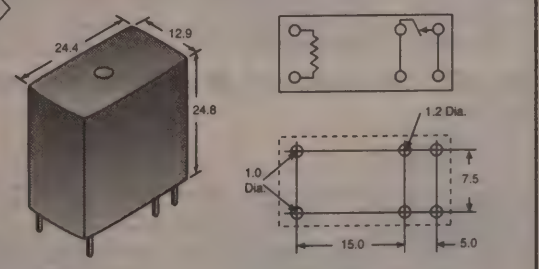

OEG OUAZ SERIES: MINIATURE PCB RELAYS

Specifications:
- Gold overlay silver palladium alloy contact suitable for low loads
- 2.54mm terminal pitch
- Nominal power: Standard coil = 450 mW; Sensitive coil = 200 mW
- Contact rating: 1A @ 120VAC

Common Applications:
- Appliances
- Audio equipment
- Office machines
- Telecommunications

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Coil Voltage	Contact Rating	Nominal Coil Current	Price Each 1	25	50	100
Standard Coil									
677-OUAZ-SH-105D	OUAZ-SH-105D,405	A	5 VDC	SPDT	90.9 mA	.90	.81	.76	.72
677-OUAZ-SH-112D	OUAZ-SH-112D,405	A	12 VDC	SPDT	37.5 mA	.90	.81	.77	.72
Sensitive Coil									
677-OUAZ-SH-105L	OUAZ-SH-105L,405	A	5 VDC	SPDT	40.0 mA	.88	.80	.74	.70
677-OUAZ-SH-112L	OUAZ-SH-112L,405	A	12 VDC	SPDT	17.0 mA	.92	.82	.78	.74
677-OUAZ-SH-124L	OUAZ-SH-124L,405	A	24 VDC	SPDT	8.6 mA	.98	.88	.83	.79

OEG OZ SERIES: MINIATURE PCB RELAYS

Specifications:
- Meet 5,000V dielectric voltage between coil and contacts
- Meet 10,000V surge voltage between coil and contacts
- Nominal power: Standard coil = 720 mW; Sensitive coil = 540 mW
- Contact material: SPDT = Ag alloy; SPST_NO = AgSnO
- Contact rating: 16A @ 240VAC resistive

Common Applications:
- Appliances
- HVAC
- Office machines

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each 1	25	50	100
Standard Coil									
677-OZ-SH-105D	OZ-SH-105D,294	B	5 VDC	SPDT	138.9 mA	2.06	1.85	1.65	1.44
677-OZ-SH-112D	OZ-SH-112D,294	B	12 VDC	SPDT	60.0 mA	1.68	1.51	1.34	1.18
677-OZ-SH-124D	OZ-SH-124D,294	B	24 VDC	SPDT	29.3 mA	1.68	1.51	1.34	1.18
Sensitive Coil									
677-OZ-SH-105LM1	OZ-SH-105LM1,294	B	5 VDC	SPST-NO	106.4 mA	1.36	1.22	1.09	.95
677-OZ-SH-112LM1	OZ-SH-112LM1,294	B	12 VDC	SPST-NO	44.4 mA	1.38	1.24	1.11	.96
677-OZ-SH-124LM1	OZ-SH-124LM1,294	B	24 VDC	SPST-NO	21.8 mA	1.48	1.33	1.22	1.13

OEG PCE SERIES: 10A MINIATURE POWER PCB RELAYS

Specifications:
- UL Class F insulation standard
- Sealed plastic case
- Nominal power: 360 mW
- Contact material: AgCdO

Common Applications:
- Appliances
- HVAC
- Office machines
- Security systems
- Emergency lighting

∗ Flux-tight plastic case

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each 1	25	50	100
677-PCE-112D1H	PCE-112D1H,000	C	12 VDC	SPDT	30 mA	1.18	1.06	.95	.82
677-PCE-112D1MH	PCE-112D1MH,000	C	12 VDC	SPST-NO	30 mA	1.12	1.01	.89	.79
677-PCE-124D1M ∗	PCE-124D1M,000	C	24 VDC	SPST-NO	15 mA	1.14	1.02	.91	.80
677-PCE-124D1MH	PCE-124D1MH,000	C	24 VDC	SPST-NO	15 mA	1.14	1.02	.91	.80

OEG PCF SERIES: 25A MINIATURE POWER PCB RELAYS

Specifications:
- PCB/QC terminal type
- Flux-tight plastic case
- Nominal power: 900 mW
- Contact material: AgSnO

Common Applications:
- Appliances
- HVAC
- Office machines

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each 1	25	50	100
677-PCF-112D2M	PCF-112D2M,000	D	12 VDC	SPST-NO	75.0 mA	2.16	1.94	1.73	1.51
677-PCF-124D2M	PCF-124D2M,000	D	24 VDC	SPST-NO	37.5 mA	2.28	2.06	1.82	1.60

OEG PCH SERIES: 5A MINIATURE POWER PCB RELAYS

Specifications:
- High surge voltage of 8000V
- Sealed plastic case
- Nominal power: 400 mW
- Contact material: AgSnO

Common Applications:
- Appliances
- HVAC

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each 1	25	50	100
677-PCH-105D2H	PCH-105D2H,001	E	5 VDC	SPDT	80.0 mA	1.20	1.08	.96	.84
677-PCH-112D2H	PCH-112D2H,001	E	12 VDC	SPDT	33.3 mA	1.20	1.08	.96	.84
677-PCH-124D2H	PCH-124D2H,001	E	24 VDC	SPDT	11.1 mA	1.24	1.11	.99	.87

OEG PCJ SERIES: SLIM 5A MINIATURE POWER PCB RELAYS

Specifications:
- Cadmium-free contacts
- Sealed plastic case
- Nominal power: 200 mW
- Contact material: Ag Alloy

Common Applications:
- Air conditioners
- Refrigerators
- Microwave ovens

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each 1	25	50	100
677-PCJ-105D3MH	PCJ-105D3MH,000	F	5 VDC	SPST-NO	40.0 mA	.90	.81	.72	.63
677-PCJ-112D3MH	PCJ-112D3MH,000	F	12 VDC	SPST-NO	16.7 mA	.98	.88	.79	.68
677-PCJ-124D3MH	PCJ-124D3MH,000	F	24 VDC	SPST-NO	8.6 mA	1.06	.95	.84	.75

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DIMENSIONS (mm.)

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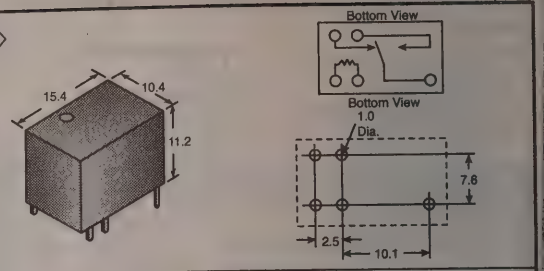

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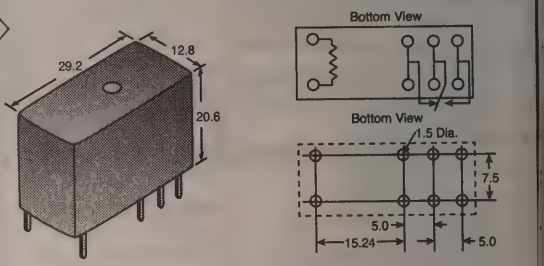

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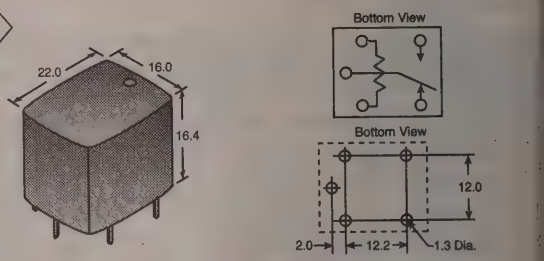

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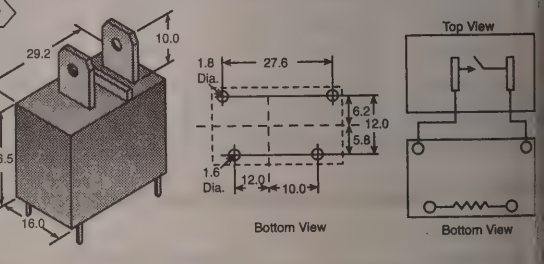

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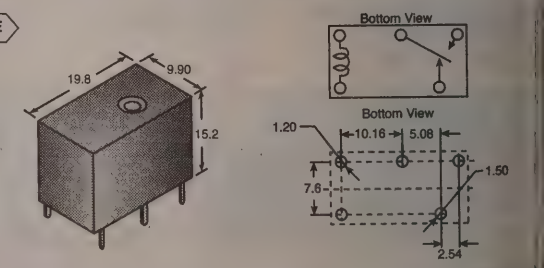

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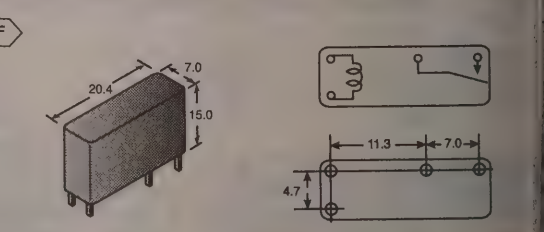

OEG SRUDH SERIES: 12A MINIATURE POWER PCB RELAYS

Specifications:
Low cost, small package
Sealed plastic case
Nominal power: 360 mW
Contact material: AgCdO

Common Applications:
- Appliances
- HVAC
- Office machines
- Security systems

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each 1	25	50	100
577-SRUDH-SH-112D1	SRUDH-SH-112D1,000	A	12 VDC	SPDT	30 mA	.92	.83	.74	.65
577-SRUDH-SH-112DM1	SRUDH-SH-112DM1,000	A	12 VDC	SPST-NO	30 mA	.84	.76	.67	.59
577-SRUDH-SH-124D1	SRUDH-SH-124D1,000	A	24 VDC	SPDT	15 mA	.96	.87	.77	.67
577-SRUDH-SH-124DM1	SRUDH-SH-124DM1,000	A	24 VDC	SPST-NO	15 mA	.84	.76	.67	.59

OEG TSC SERIES: MINIATURE PCB RELAYS

Specifications:
Low coil power requirement for IC compatibility
Sealed plastic case
Nominal power: Standard coil = 300 mW;
Sensitive coil = 150 mW

Common Applications:
- Telecommunications
- Appliances
- Office machines
- Security systems

For quantities of 500 and up, call for quote.

Standard Coil									
577-TSC-105D3H	TSC-105D3H,000	B	5 VDC	SPDT	60 mA	1.14	1.03	.91	.80
577-TSC-112D3H	TSC-112D3H,000	B	12 VDC	SPDT	25 mA	1.22	1.10	.98	.85
577-TSC-124D3H	TSC-124D3H,000	B	24 VDC	SPDT	12.5 mA	1.30	1.17	1.04	.91
Sensitive Coil									
577-TSC-105L3H	TSC-105L3H,000	B	5 VDC	SPDT	30 mA	1.22	1.10	.97	.86
577-TSC-112L3H	TSC-112L3H,000	B	12 VDC	SPDT	12.5 mA	1.18	1.05	.94	.83
577-TSC-124L3H	TSC-124L3H,000	B	24 VDC	SPDT	6.3 mA	1.36	1.22	1.09	.95

OEG OUDH SERIES: 10A MINIATURE PCB RELAYS

Specifications:
Meets 2kV dielectric between coil and contacts
Meets 5kV surge voltage
Nominal power: 450 mW
Contact material: Ag Alloy

Common Applications:
- Appliances
- HVAC
- Office machines

E58304 LR48471

For quantities greater than listed, call for quote.

Vented (Flux-tight) Case									
577-OUDH-SS-105D	OUDH-SS-105D,000	C	5 VDC	SPDT	90.9 mA	1.20	1.08	.96	.84
577-OUDH-SS-106D	OUDH-SS-106D,000	C	6 VDC	SPDT	75 mA	1.20	1.08	.96	.84
577-OUDH-SS-112D	OUDH-SS-112D,000	C	12 VDC	SPDT	37.5 mA	1.22	1.09	.98	.85
Sealed Case									
577-OUDH-SH-105D	OUDH-SH-105D,000	C	5 VDC	SPDT	90.9 mA	1.22	1.09	.98	.85
577-OUDH-SH-106D	OUDH-SH-106D,000	C	6 VDC	SPDT	75 mA	1.20	1.08	.96	.84
577-OUDH-SH-112D	OUDH-SH-112D,000	C	12 VDC	SPDT	37.5 mA	1.22	1.09	.98	.85

OEG PCN SERIES: 3 AMP MINIATURE PCB RELAYS

Specifications:
Contact form: SPST-NO
Rated current: 3A
Rated voltage: 250VAC

- Contact material: Silver nickel
- Contact assembly: Bifurcated contact
- Conforms to UL508

For quantities greater than listed, call for quote.

577-PCN-105D3MHZ	PCN-105D3MHZ	D	5 VDC	SPST-NO	120 mW	1.01	.94	.78	.73
577-PCN-112D3MHZ	PCN-112D3MHZ	D	12 VDC	SPST-NO	120 mW	1.01	.94	.78	.73
577-PCN-124D3MHZ	PCN-124D3MHZ	D	24 VDC	SPST-NO	120 mW	1.17	1.09	.91	.85

SCHRACK PE SERIES: 5 AMP MINIATURE PCB RELAYS

Specifications:
Flux-light for wave soldering
Contact material: Silver-Nickel 90/10

- Expected Mechanical life: 15 million operations min.
- Operate/Release/Bounce Time: 5 ms/2 ms/1 ms typical

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Schrack Part No.	Fig.	Coil Voltage	Contact Form	Nom. Coil Current	Price Each 1	25	50	100
655-PE014005	PE014005	E	5 VDC	SPDT	40 mA	3.44	3.05	2.75	2.24
655-PE014012	PE014012	E	12 VDC	SPDT	17.5 mA	3.44	3.05	2.75	2.24
655-PE014024	PE014024	E	24 VDC	SPDT	8.8 mA	3.44	3.05	2.75	2.24

SCHRACK RE SERIES: 6 AMP MINIATURE PCB RELAYS

Specifications:
Fully sealed with vent hole
Contact material: Silver-cadmium oxide

- Expected Mechanical life: 30 million operations min.
- Operate/Release/Bounce Time: 6 ms/1 ms/1 ms typical

For quantities of 500 and up, call for quote.

655-RE030005	RE030005	F	5 VDC	SPST-NO	40 mA	4.47	3.90	3.49	2.84
655-RE030012	RE030012	F	12 VDC	SPST-NO	16.7 mA	4.47	3.90	3.49	2.84
655-RE030024	RE030024	F	24 VDC	SPST-NO	4.2 mA	4.47	3.90	3.49	2.84

SCHRACK RYII SERIES: 8A MINIATURE POWER PCB RELAYS

Specifications:
Contact form: SPDT
Rated current: 8A
Rated voltage: 250VAC

- Contact material: Silver nickel 0.15
- Contact assembly: Single contact
- Conforms to UL508

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Schrack Part No.	Fig.	Coil Voltage	Case Type	Nom. Coil Current	Price Each 1	25	50	100
655-RY211012	RY211012	G	12 VDC	Flux proof	220 mW	2.70	2.52	2.10	1.95
655-RY211024	RY211024	G	24 VDC	Flux proof	220 mW	2.70	2.52	2.10	1.95
655-RY611005	RY611005	G	5 VDC	Washable	220 mW	2.70	2.52	2.10	1.95
655-RY611012	RY611012	G	12 VDC	Washable	220 mW	2.70	2.52	2.10	1.95
655-RY611024	RY611024	G	24 VDC	Washable	220 mW	2.70	2.52	2.10	1.95

DIMENSIONS (mm.)

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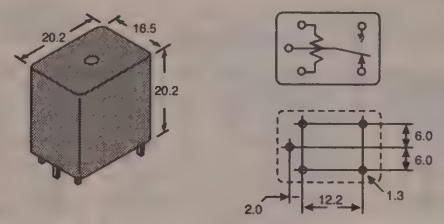

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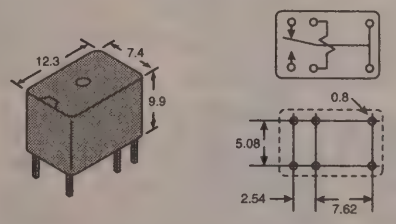

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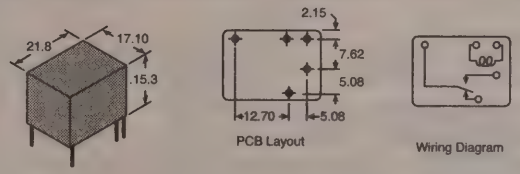

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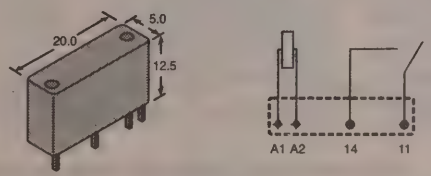

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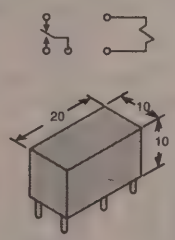

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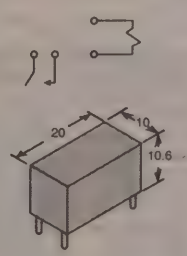

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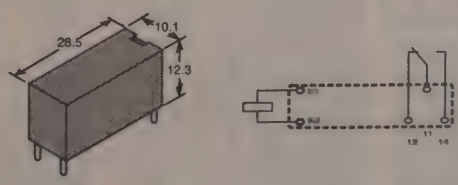

P&B T7C SERIES: MINIATURE 12 AMP POWER PCB RELAYS

Specifications:
- UL Class F coil insulation system
- Contact material: Silver-cadmium oxide
- Enclosure: T7CS - Immersion cleanable with knock-off nib; T7CV - Vented, flux-tight, plastic cover with knock-off nib
- Expected Mechanical life: 10 million operations min.
- Operate/Release Time (Excluding bounce): 10 ms/5 ms
- Nominal power: 360 mW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Coil Res (Ω)	Price Each 1	25	50	100
655-T7CS5D-05	T7CS5D-05	A	5 VDC	SPDT	70	1.27	1.16	1.04	.80
655-T7CS5D-06	T7CS5D-06	A	6 VDC	SPDT	100	1.27	1.16	1.04	.80
655-T7CV5D-12	T7CV5D-12	A	12 VDC	SPDT	400	1.58	1.36	.94	.82
655-T7CS5D-12	T7CS5D-12	A	12 VDC	SPDT	400	1.27	1.16	1.04	.80
655-T7CS5D-24	T7CS5D-24	A	24 VDC	SPDT	1600	1.27	1.16	1.04	.80

P&B T81N/T81H SERIES: ULTRAMINIATURE PCB RELAYS

Specifications:
- High dielectric strength - 1000 Vrms, 50/60 Hz, for 1 minute contact to coil
- Contact material: Gold overlay silver-palladium alloy
- Contact rating: 1A @ 24VDC; 0.5A @ 120 VAC
- Enclosure: Immersion cleanable, plastic sealed case
- Expected Mechanical life: 10 million operations min.
- Operate/Release Time (Excluding bounce): 5 ms/2 ms
- Nominal power: T81N - 450 mW; T81H - 200 mW
- T81N - standard coil; T81H - sensitive coil

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Coil Res (Ω)	Price Each 1	25	50	100
655-T81N5D312-12	T81N5D312-12	B	12 VDC	SPDT	320	3.23	2.79	2.50	2.05
655-T81N5D312-24	T81N5D312-24	B	24 VDC	SPDT	1280	2.50	2.15	2.01	1.63
655-T81H5D312-05	T81H5D312-05	B	5 VDC	SPDT	125	2.42	2.09	1.86	1.52
655-T81H5D312-12	T81H5D312-12	B	12 VDC	SPDT	700	2.71	2.32	2.06	1.76
655-T81H5D312-24	T81H5D312-24	B	24 VDC	SPDT	2800	2.69	2.30	2.05	1.66

P&B T90 SERIES: LOW COST 30 AMP PCB RELAYS

Specifications:
- UL Class F coil insulation system
- Contact material: Silver-cadmium oxide
- Meets UL 508 & UL 873 spacing
- Expected Mechanical life: 10 million operations min.
- Operate/Release Time (Including bounce): 15 ms/15 ms
- Max. coil power: 2.8 Watts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Coil Res (Ω)	Price Each 1	25	50	100
Open Case Model									
655-T90N1D12-12	T90N1D12-12	C	12 VDC	SPST-NO	30A	1.94	1.75	1.55	1.30
655-T90N1D12-24	T90N1D12-24	C	24 VDC	SPST-NO	30A	1.96	1.77	1.58	1.35
655-T90N5D12-12	T90N5D12-12	C	12 VDC	SPDT	20A	2.04	1.75	1.55	1.31
655-T90N5D12-24	T90N5D12-24	C	24 VDC	SPDT	20A	2.16	1.85	1.68	1.34
Tape Sealed (Immersion Cleanable) Model									
655-T90S1D12-5	T90S1D12-5	D	5 VDC	SPST-NO	30A	2.30	2.02	1.85	1.46
655-T90S1D12-12	T90S1D12-12	D	12 VDC	SPST-NO	30A	2.31	2.06	1.91	1.49
655-T90S1D12-24	T90S1D12-24	D	24 VDC	SPST-NO	30A	2.31	2.06	1.91	1.49
655-T90S5D12-5	T90S5D12-5	D	5 VDC	SPDT	20A	2.30	2.02	1.85	1.46
655-T90S5D12-12	T90S5D12-12	D	12 VDC	SPDT	20A	1.94	1.75	1.55	1.30
655-T90S5D12-24	T90S5D12-24	D	24 VDC	SPDT	20A	2.40	2.07	1.84	1.50
Accessories for T90 Series		**Description**							
655-35C620A	35C620A	Black dust cover for open style relay				.64	.58	.53	.42

P&B T92 SERIES: 30 AMP PCB OR PANEL MOUNT RELAYS

Specifications:
- Designed to control compressor loads to 3.5 tons, 25.3 FLA, 110 LRA
- UL Class F coil insulation construction
- Meets UL 508 & UL 873 spacing
- Expected Mechanical life: 5 million operations min.
- Operate/Release Time (Typical): 15 ms/10 ms
- UL approved for 600 VAC switching (1.5HP)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Mounting Type	Price Each 1	25	50	100
Dust Cover (Unsealed) Model									
655-T92P11A22-120	T92P11A22-120	E	120 VAC	DPDT	Flange	9.74	8.52	7.79	6.33
655-T92P11A22-240	T92P11A22-240	E	240 VAC	DPDT	Flange	11.55	9.90	8.80	7.15
655-T92P11D22-12	T92P11D22-12	E	12 VDC	DPDT	Flange	8.80	7.68	6.94	5.72
655-T92P11D22-24	T92P11D22-24	E	24 VDC	DPDT	Flange	8.80	7.68	6.94	5.72
655-T92P7A22-24	T92P7A22-24	E	24 VAC	DPST-NO	Flange	8.76	7.68	6.87	5.66
655-T92P7A22-120	T92P7A22-120	E	120 VAC	DPST-NO	Flange	8.76	7.68	6.87	5.66
655-T92P7A22-240	T92P7A22-240	E	240 VAC	DPST-NO	Flange	9.92	8.68	7.94	6.45
655-T92P7D12-12	T92P7D12-12	F	12 VDC	DPST-NO	PCB	8.28	7.25	6.62	5.38
655-T92P7D22-12	T92P7D22-12	E	12 VDC	DPST-NO	Flange	8.28	7.25	6.62	5.38
655-T92P7D12-24	T92P7D12-24	F	24 VDC	DPST-NO	PCB	8.28	7.25	6.62	5.38
Tape Sealed (Immersion Cleanable) Model									
655-T92S11A22-24	T92S11A22-24	E	24 VAC	DPDT	Flange	11.00	9.63	8.56	6.96
655-T92S11A22-120	T92S11A22-120	E	120 VAC	DPDT	Flange	11.00	9.63	8.56	6.96
655-T92S11D12-12	T92S11D12-12	F	12 VDC	DPDT	PCB	9.50	8.32	7.60	6.18
655-T92S11D12-24	T92S11D12-24	F	24 VDC	DPDT	PCB	9.50	8.32	7.60	6.18
655-T92S11D22-12	T92S11D22-12	E	12 VDC	DPDT	Flange	9.50	8.32	7.60	6.18
655-T92S11D22-24	T92S11D22-24	E	24 VDC	DPDT	Flange	9.50	8.32	7.60	6.18
655-T92S7A22-24	T92S7A22-24	E	24 VAC	DPST-NO	Flange	9.44	8.26	7.55	6.14
655-T92S7A22-120	T92S7A22-120	E	120 VAC	DPST-NO	Flange	9.44	8.26	7.55	6.14
655-T92S7A12-240	T92S7A12-240	F	240 VAC	DPST-NO	PCB	11.55	9.90	8.80	7.15
655-T92S7D12-12	T92S7D12-12	F	12 VDC	DPST-NO	PCB	8.84	7.74	7.07	5.75
655-T92S7D12-24	T92S7D12-24	F	24 VDC	DPST-NO	PCB	8.84	7.74	7.07	5.75
655-T92S7D22-12	T92S7D22-12	E	12 VDC	DPST-NO	Flange	8.84	7.74	7.07	5.75
655-T92S7D22-24	T92S7D22-24	E	24 VDC	DPST-NO	Flange	8.84	7.74	7.07	5.75

DIMENSIONS (mm.)

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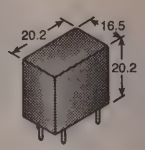

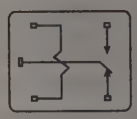

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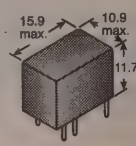

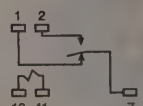

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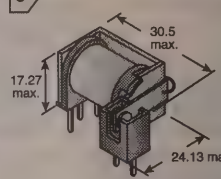

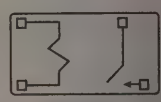
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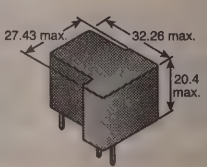

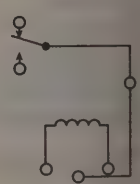
SPDT

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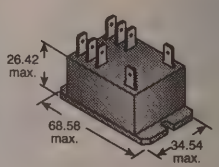

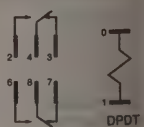

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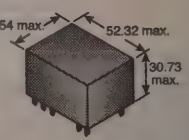


P&B Printed Circuit Board Relays

P&B T9A SERIES: LOW COST 30 AMP PCB OR PANEL MOUNT RELAYS

ecifications:
- UL Class F coil insulation system
- Contact material: Silver-cadmium oxide
- Meets UL 508 & UL 873 spacing
- Expected Mechanical life: 10 million operations min.
- Operate/Release Time (Including bounce): 15 ms/15 ms
- Max coil power: 2.8 Watts
- Enclosure: T9AP - unsealed plastic dust cover; T9AS - Immersion cleanable with knock-off nib sealed plastic case

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each 1	25	50	100
CB Terminals Coil & Contacts									
5-T9AS1D12-12	T9AS1D12-12	A	12 VDC	SPST-NO	30 A	2.43	2.15	1.92	1.52
5-T9AS1D12-24	T9AS1D12-24	A	24 VDC	SPST-NO	30 A	2.51	2.15	1.92	1.56
5-T9AS5D12-12	T9AS5D12-12	A	12 VDC	SPDT	20 A	1.94	1.75	1.55	1.30
5-T9AS5D12-24	T9AS5D12-24	A	24 VDC	SPDT	20 A	2.51	2.15	1.92	1.56
CB Terminals Coil & Contacts, and .250" Contact QC									
5-T9AS1D22-12	T9AS1D22-12	B	12 VDC	SPST-NO	30 A	2.61	2.26	2.05	1.68
5-T9AS1D22-24	T9AS1D22-24	B	24 VDC	SPST-NO	30 A	2.69	2.30	2.05	1.66
5-T9AS5D22-12	T9AS5D22-12	B	12 VDC	SPDT	20 A	2.69	2.30	2.05	1.66
5-T9AS5D22-24	T9AS5D22-24	B	24 VDC	SPDT	20 A	2.69	2.30	2.05	1.66
ange Mount w/ .187" Coil QC and .250" Contact QC									
5-T9AP5D52-12	T9AP5D52-12	C	12 VDC	SPDT	20 A	2.73	2.36	2.11	1.73
5-T9AP5D52-24	T9AP5D52-24	C	24 VDC	SPDT	20 A	2.92	2.58	2.31	1.90

P&B RT SERIES: MINIATURE PCB RELAYS

ecifications:
- Enclosure: RT 1,3,4 - Flux-light, top vented, plastic case; RT B,D,E - Immersion cleanable, plastic case
- Pin spacing: RT 1,B - 3.5mm; RT 3,4,D,E - 5mm
- Contact material: Silver-Nickel 90/10
- Expected Mechanical life: 10 million operations min.
- Operate/Release Time: 7 ms/3 ms typical
- DC - UL Class F coil insulation; AC -UL Class A coil insulation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each 1	25	50	100
5-RT114012F	RT114012F	D	12 VDC	SPDT	12A	3.06	2.68	2.45	1.99
5-RT114024F	RT114024F	D	24 VDC	SPDT	12A	3.06	2.68	2.45	1.99
5-RTB14005F	RTB14005F	D	5 VDC	SPDT	12A	1.93	1.66	1.47	1.22
5-RTB14012F	RTB14012F	D	12 VDC	SPDT	12A	1.41	1.21	1.07	.88
5-RTB14024F	RTB14024F	D	24 VDC	SPDT	12A	1.41	1.21	1.07	.88
5-RTB14615	RTB14615	D	115 VAC	SPDT	12A	4.92	4.26	3.78	3.15
5-RTB34012F	RTB34012F	D	12 VDC	SPST-NO	12A	3.06	2.68	2.45	1.99
5-RTB34024F	RTB34024F	D	24 VDC	SPST-NO	12A	2.98	2.57	2.30	1.89
5-RTD14005F	RTD14005F	D	5 VDC	SPDT	16 A	2.40	2.12	1.99	1.53
5-RTD14012F	RTD14012F	D	12 VDC	SPDT	16 A	2.71	2.32	2.06	1.76
5-RTD14024F	RTD14024F	D	24 VDC	SPDT	16 A	2.42	2.09	1.86	1.52
5-RTD14615	RTD14615	D	115 VAC	SPDT	16 A	4.92	4.26	3.78	3.15
5-RTD34012F	RTD34012F	D	12 VDC	SPST-NO	16 A	3.06	2.68	2.45	1.99
5-RTD34024F	RTD34024F	D	24 VDC	SPST-NO	16 A	3.06	2.68	2.45	1.99
5-RTE24005F	RTE24005F	D	5 VDC	DPDT	8A	2.37	2.03	1.81	1.47
5-RTE24012F	RTB24012F	D	12 VDC	DPDT	8A	2.40	2.12	1.99	1.53
5-RTE24024F	RTE24024F	D	24 VDC	DPDT	8A	2.21	1.89	1.68	1.37
5-RTE44012F	RTE44012F	D	12 VDC	DPST-NO	8A	1.93	1.66	1.47	1.20
ckets for RT Series									
5-RT78624	RT78624		DIN screw terminal 3.5mm pinning			5.75	4.93	4.38	3.93
5-RT78625	RT78625		DIN screw terminal 5mm pinning			6.81	5.88	5.27	4.54

P&B T73/T77/T7N SERIES: 10 AMP MINIATURE PCB RELAYS

ecifications:
- Enclosure: T7CS - Immersion cleanable, plastic sealed case; T7CV - Vented flux-tight plastic cover
- UL Class F coil insulation system

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Coil Res. (Ω)	Price Each 1	25	50	100
55-T73S5D15-05	T73S5D15-05	E	5 VDC	SPDT	56	1.94	1.72	1.55	1.20
55-T73S5D15-12	T73S5D15-12	E	12 VDC	SPDT	320	1.98	1.62	1.47	1.18
55-T73S5D15-24	T73S5D15-24	E	24 VDC	SPDT	1150	1.90	1.75	1.51	1.24
55-T77S1D10-05	T77S1D10-05	F	5 VDC	SPST-NO	55	1.46	1.30	1.17	.94
55-T77S1D10-12	T77S1D10-12	F	12 VDC	SPST-NO	320	1.46	1.30	1.17	.94
55-T77S1D10-24	T77S1D10-24	F	24 VDC	SPST-NO	1280	1.44	1.29	1.17	.94
55-T77S1D3-05	T77S1D3-05	F	5 VDC	SPST-NO	125	1.44	1.29	1.17	.94
55-T77S1D3-12	T77S1D3-12	F	12 VDC	SPST-NO	720	1.46	1.30	1.17	.94
55-T77S1D3-24	T77S1D3-24	F	24 VDC	SPST-NO	2800	1.46	1.30	1.17	.94
55-T77V1D10-24	T77V1D10-24	F	24 VDC	SPST-NO	1280	1.42	1.27	1.14	.93
55-T7NS5D1-05	T7NS5D1-05	G	5 VDC	SPDT	70	1.30	1.15	1.02	.80
55-T7NS5D1-12	T7NS5D1-12	G	12 VDC	SPDT	400	1.32	1.10	1.02	.82
55-T7NS5D1-24	T7NS5D1-24	G	24 VDC	SPDT	1600	1.30	1.15	1.02	.80
55-T7NS5D1-48	T7NS5D1-48	G	48 VDC	SPDT	6400	1.58	1.40	1.26	1.05

ntact rating is 3A for T77S1D3-05, T77S1D3-12, and T77S1D3-24

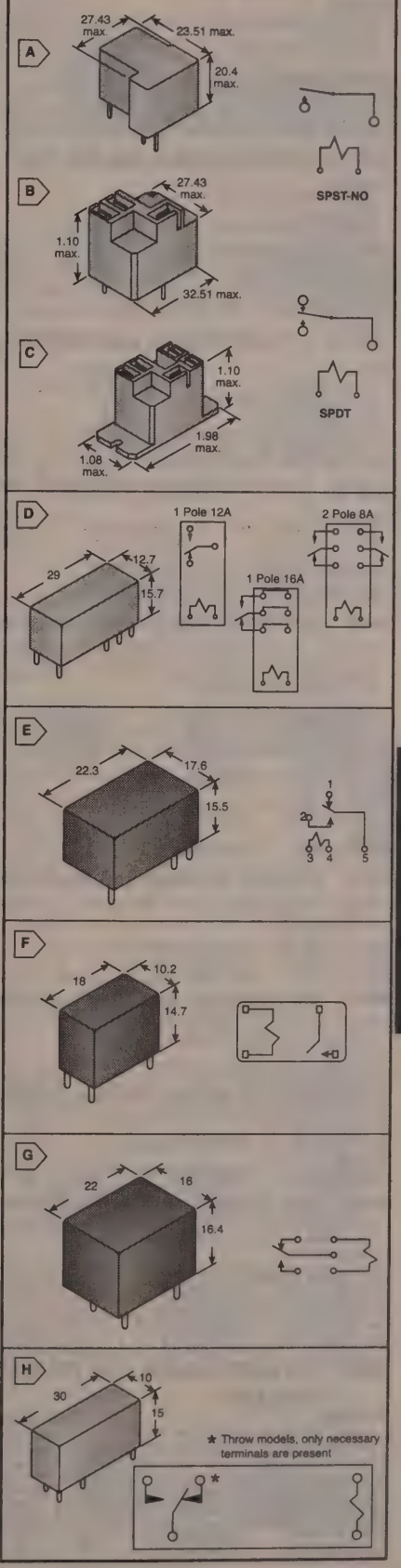
P&B T75 SERIES: LOW PROFILE, HIGH CURRENT PCB RELAYS

ecifications:
- Enclosure: Immersion cleanable, ultrasonically sealed case
- Contact rating: 14A

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Coil Res. (Ω)	Price Each 1	25	50	100
·T75S5D112-05	T75S5D112-05	H	5 VDC	SPDT	118	2.87	2.48	2.21	1.82
·T75S5D112-12	T75S5D112-12	H	12 VDC	SPDT	650	3.67	3.32	3.10	2.47
·T75S5D112-24	T75S5D112-24	H	24 VDC	SPDT	2270	3.46	2.98	2.67	2.19

DIMENSIONS (mm.)



Automotive Relays

FUJITSU FBR512 SERIES COMPACT POWER TWIN AUTOMOTIVE RELAY: 1 POLE X 2 - 25 A

Features:
- Two independent relays mounted in a single package
- Miniature size
- High current contact capacity
- High resistance to vibration and shock
- Two contact gap options
- Improved heat resistance and extended operating temperature range

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each 1	100	500	1000
817-FBR512ND10-W1	FBR512ND10-W1	A	SPDT	10	25A	3.40	2.89	2.47	2.27

FUJITSU FTR-P2 SERIES: SILENT TWIN AUTOMOTIVE RELAYS

Features:
- 1 POLE x 2, H-Bridge, 25 A
- Low operating sound
- Compact, high density package
- High capacity
- Ease of PCB layout
- High breaking capability

Applications:
- Power windows
- Doorlocks
- Power seat
- Wiper (for H-bridge circuit)

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Nominal Power	Coil Resistance (±10% at 20°C)	Price Each 1	100	500	1000
817-FTR-P2CN010W1	FTR-P2CN010W1	B	10	455mW	220Ω	6.25	5.32	4.55	4.17

FUJITSU FTR-P3 SERIES: AUTOMOTIVE RELAYS

Features:
- 1 POLE - 25 A
- Compact, high density package
- High contact capacity

Applications:
- Power windows/seat
- Doorlocks
- Sun roof
- Wiper/IWW

For quantities of 2500 and up, call for quote.

817-FTR-P3CN009W1	FTR-P3CN009W1	C	9	0.6W	135Ω	1.63	1.28	1.18	1.08
817-FTR-P3CN010W1	FTR-P3CN010W1	C	10	0.6W	167Ω	1.63	1.38	1.18	1.08

FUJITSU FTR-P4 SERIES: COMPACT TWIN AUTOMOTIVE RELAYS

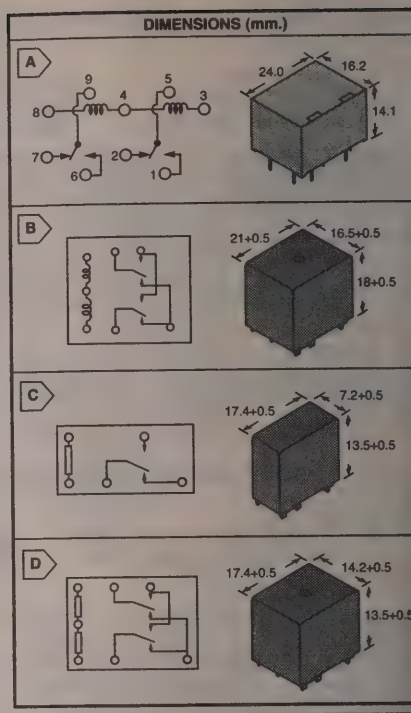
Features:
- 1 POLE x 2, H-Bridge - 25 A
- High density package
- High contact capacity
- Coil power savings

Applications:
- Power windows/seat
- Doorlocks
- Sun roof
- Tilt steering
- Retractable antenna

For quantities of 2500 and up, call for quote.

817-FTR-P4CN009W1	FTR-P4CN009W1	D	9	0.6W	135Ω	2.95	2.51	2.15	1.97
817-FTR-P4CN010W1	FTR-P4CN010W1	D	10	0.6W	167Ω	2.95	2.51	2.15	1.97

DIMENSIONS (mm.)



NEC EP2/EP1 SERIES: 25A AUTOMOTIVE RELAYS

- The EP2 H bridge type is a twin relay for forward and reverse control of motors (SPDT x 2 contact form)
- The EP2 separate type contains 2 separated relays in 1 package (SPDT x 2 contact form)
- The EP1 series is a single SPDT relay
- Flux tight housing
- Nom. Operating Power: 640 mW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Nominal Power (W)	Price Each 1	25	50	100
H Bridge Type										
551-EP2-3N1S	EP2-3N1S	A	1	12	225	0.64	3.93	3.63	3.33	3.02
Separate Type										
551-EP2-3N1ST	EP2-3N1ST	A	2	12	225	0.64	3.93	3.63	3.33	3.02
Single										
551-EP1-3N1S	EP1-3N1S	B	3	12	225	0.64	2.11	1.94	1.78	1.62

NEC ET2/ET1 SERIES: 25A AUTOMOTIVE RELAYS

- The ET2 is a twin type relay with SPDT x 2 contact form
- The ET1 is a single SPDT relay
- Flux tight housing
- Nom. operating power: 640mW

For quantities of 500 and up, call for quote.

551-ET2-B3M1S	ET2-B3M1S	C	1	12	225	640	5.34	4.92	4.51	4.10
551-ET1-B3M1S	ET1-B3M1S	D	4	12	225	640	2.81	2.59	2.38	2.16

NEC EN2 SERIES: 35A AUTOMOTIVE TWIN RELAYS

- The H bridge type is for forward and reverse control of motors
- The separate type contains 2 separated relays in 1 package
- Flux tight housing
- Contact form: SPDT x 2
- Nom. operating power: 1.15W

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Nominal Power (W)	Price Each 1	25	50	100
H Bridge Type										
551-EN2-1N1S	EN2-1N1S	E	1	12	125	1.15	4.91	4.54	4.16	3.78
Separate Type										
551-EN2-1N1ST	EN2-1N1ST	E	2	12	125	1.15	4.91	4.54	4.16	3.78

NEC EQ1 SERIES: 35A AUTOMOTIVE RELAYS

- Nom. operating power: 640 mW for motor control; 800 mW for lamp control
- Contact form: SPDT for motor control; SPST for lamp control
- Flux tight housing

For quantities of 500 and up, call for quote.

For General Purpose Motor Control										
551-EQ1-31000S	EQ1-31000S	F	4	12	225	640mW	1.68	1.56	1.43	1.30
For Lamp and LCR Circuit Control										
551-EQ1-22111S	EQ1-22111S	F	5	12	180	800mW	1.68	1.56	1.43	1.30
551-EQ1-11111S	EQ1-11111S	F	5	12	144	1000mW	2.30	2.16	1.96	1.76

NEC EX1/EX2 SERIES: 25A PC BOARD MOUNT AUTOMOTIVE RELAYS

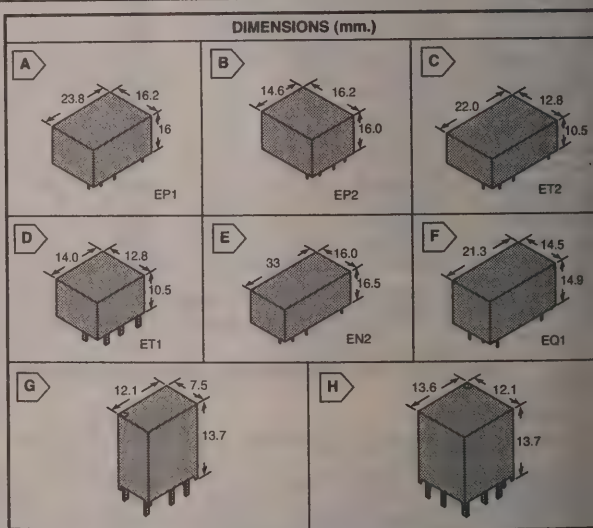
Features:
- Approx. 75% relay volume of ET2; 65% of ET1
- Approx. 88% relay weight of ET2; 78% of ET1
- Approx. 60% relay space of ET2; 50% of ET1

Applications:
- Motor control
- Heater control
- Solenoid control

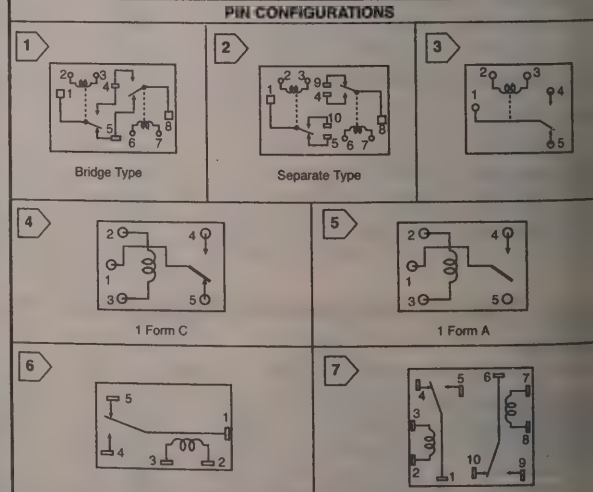
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Nominal Power	Price Each 1	25	50	100
551-EX1-2U1S	EX1-2U1S	G	6	12	160	900mW	3.78	3.51	3.21	2.90
551-EX2-2U1S	EX2-2U1S	H	7	12	160	900mW	4.56	4.16	3.80	3.44

DIMENSIONS (mm.)



PIN CONFIGURATIONS



MOUSER ELECTRONICS a tti company (800) 346-6873

Automotive Relays

OMRON ELECTRONIC COMPONENTS G8HN SERIES: MICRO ISO AUTOMOTIVE RELAYS

ax. switching current: 60A (NO), 30A (NC), steady 20A (NO), 10A (NC)
ectrical service life: 100,000 cycles min.

- Contact material: Silver tin oxide (cadmium free)
- Rated voltage: 12VDC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Power Consumption	Price Each			
					1	25	50	100
3-G8HN1C2TRDC12	G8HN-1C2T-R-DC12	A	SPDT	1309 mW	4.38	3.50	3.15	2.80

OMRON ELECTRONIC COMPONENTS G8JN SERIES: AUTOMOTIVE RELAYS

ntact form: SPDT
andard ISO terminal footprint
sistance without suppression resistor: 78Ω ±15%
ted voltage: 12VDC

- Max. resistive load 35A (NO)/ 20A (NC)
- Max. inrush current (inductive load): 100A (NO)/ 40A (NC)
- Electrical service life: 100,000 cycles min.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Supp. Resistor	Bracket	Price Each			
					1	25	50	100
ndard cover								
-G8JN1C7TDC12	G8JN-1C7T-DC12	B	-----	-----	5.55	4.70	4.18	3.65
-G8JN1C7TMFDC12	G8JN-1C7T-MF-DC12	C	-----	Plastic	5.45	4.61	4.10	3.59
-G8JN1C7TRDC12	G8JN-1C7T-R-DC12	B	680 W	-----	5.65	4.78	4.25	3.72
-G8JN1C7TMFRDC12	G8JN-1C7T-MF-R-DC12	C	680 W	Plastic	5.55	4.70	4.18	3.65
atherproof cover								
-G8JN1C6TDC12	G8JN-1C6T-DC12	D	-----	-----	5.60	4.74	4.21	3.68
-G8JN1C6TFDC12	G8JN-1C6T-F-DC12	E	-----	Metal	6.90	5.84	5.19	4.54
-G8JN1C6TRDC12	G8JN-1C6T-R-DC12	D	680 W	-----	5.70	4.82	4.29	3.75
-G8JN1C6TFRDC12	G8JN-1C6T-F-R-DC12	E	680 W	Metal	7.00	5.92	5.26	4.61

OMRON ELECTRONIC COMPONENTS G8W SERIES: PLUG-IN MINI-280 ISO AUTOMOTIVE RELAYS

pplied with suppression resistor 680Ω
sistance without suppression resistor: 91Ω ±15%
ted voltage: 12VDC

- Max. resistive load 35A (NO)/ 20A (NC)
- Max. inrush current (inductive load): 100A (NO)/ 20A break (NC)
- Electrical service life: 100,000 cycles min.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Bracket	Price Each			
					1	25	50	100
ndard cover								
-G8W1A7TRDC12	G8W-1A7T-R-DC12	F	SPST-NO	-----	5.05	4.27	3.80	3.32
-G8W1C7TRDC12	G8W-1C7T-R-DC12	F	SPDT	-----	5.20	4.40	3.91	3.42
atherproof cover								
-G8W1A6TRDC12	G8W-1A6T-R-DC12	G	SPST-NO	-----	5.40	4.57	4.06	3.55
-G8W1C6TRDC12	G8W-1C6T-R-DC12	G	SPDT	-----	5.60	4.74	4.21	3.68
-G8W1A6TFRDC12	G8W-1A6T-F-R-DC12	H	SPST-NO	Metal	6.00	5.08	4.51	3.95
-G8W1C6TFRDC12	G8W-1C6T-F-R-DC12	H	SPDT	Metal	6.15	5.20	4.62	4.05

CO ELECTRONICS VKP SERIES: AUTOMOTIVE RELAYS

ntact material: AgNiO.15
ctrical service life: 100,000 cycles min.
ed voltage: 12VDC

- Max. resistive load 35A (NO)/ 20A (NC)
- Max. inrush current (lamp load): 100A
- Open style

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Terminals	Price Each			
					1	25	50	100
-VKP-11F42	VKP-11F42	I	SPST-NO	PCB	2.25	1.84	1.75	1.38
-VKP-15F42	VKP-15F42	I	SPDT	PCB	2.70	2.20	2.09	1.65

CO ELECTRONICS VF4 SERIES: MINI ISO AUTOMOTIVE RELAYS

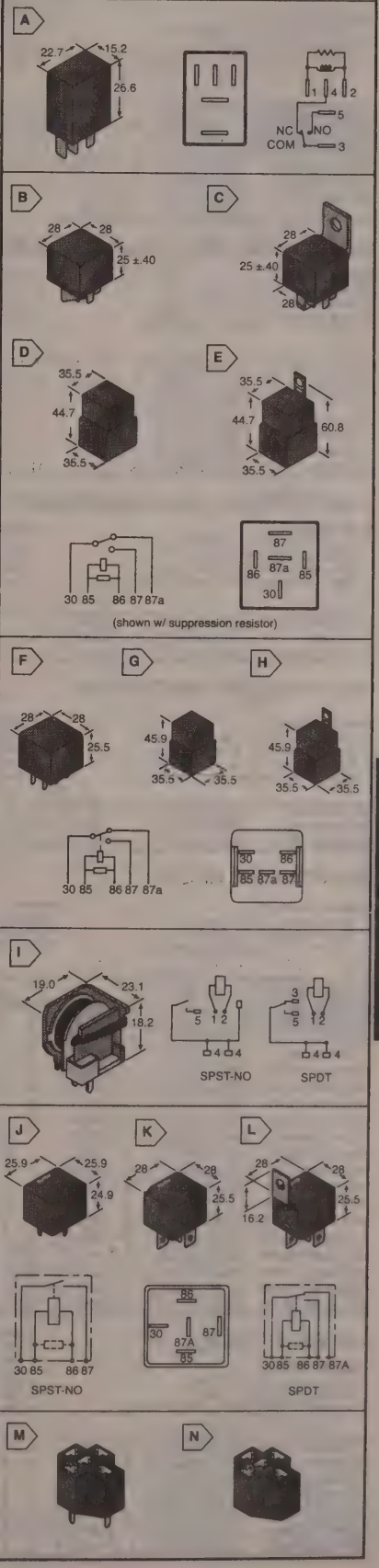
ting continuous current: VF4- 60/40A at the NO/NC contacts
-15F13-C01 is epoxy sealed
for VCF4-1001: 571-422811

- S01 suffix - 680Ω suppression resistor
- S08 suffix - 2700Ω suppression resistor

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Coil Res. (Ω)	Rated Voltage	Contact Form	Price Each			
						1	25	50	100
Terminals, Dust cover enclosure									
VF4-11F13	VF4-11F13	J	90	12 VDC	SPST-NO	3.74	3.28	2.96	2.34
VF4-15F13	VF4-15F13	J	90	12 VDC	SPDT	3.82	3.34	3.02	2.39
VF4-15F13-C01	VF4-15F13-C01	J	90	12 VDC	SPDT	4.27	3.74	3.38	2.67
VF4-15H13	VF4-15H13	J	360	24 VDC	SPDT	3.91	3.42	3.10	2.45
-in Terminals, Dust cover enclosure									
1-1414686-0	1-1414686-0	K	90	12 VDC	SPDT	3.60	3.15	2.85	2.25
1-1414687-0	1-1414687-0	K	90	12 VDC	SPDT	3.70	3.23	2.93	2.31
VF4A-15H11-S08	VF4A-15H11-S08	K	360	24 VDC	SPDT	3.77	3.30	2.98	2.36
-in Terminals, Dust cover enclosure w/ bracket									
VF4A-45F11	VF4A-45F11	L	90	12 VDC	SPDT	3.91	3.42	3.10	2.45
VF4-45F11-S01	VF4-45F11-S01	L	90	12 VDC	SPDT	4.01	3.51	3.17	2.51
kets for VF4 Series			Description						
VCF4-1000	VCF4-1000	M	PCB socket			1.47	1.26	1.12	.91
VCF4-1001	VCF4-1001	N	Wiring harness style			.49	.38	.34	.32

DIMENSIONS: mm



COTO Reed Relays

MICROMINIATURE REED RELAY

DIMENSIONS: IN (mm)

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Solder Temp: 270°C max; 10 sec. max
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

Features:
- High Insulation Resistance
- High Speed Switching
- Very Small (0.17 IN)
- High Reliability

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each 1	10	50	100
816-2200-2301	2200-2301	A	SPST	5	0.5	1	6.46	6.14	5.85	5.37
816-2200-2302	2200-2302	A	SPST	5	0.5	1	6.62	6.29	6.00	5.50
816-2204-05-401	2204-05-401	A	SPST	5	0.5	1	5.84	5.55	5.29	4.85
816-2204-05-411	2204-05-411	A	SPST	5	0.5	1	6.02	5.72	5.45	5.00

MICROMINIATURE FORM C REED RELAY

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Solder Temp: 270°C max; 10 sec. max
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

Features:
- High Insulation Resistance
- High Speed Switching
- Very Small (0.20 IN)
- High Reliability

For quantities of 250 and up, call for quote.

816-2211-05-301	2211-05-301	A	SPDT	5	0.25	0.5	10.10	9.60	9.14	8.39
816-2211-12-301	2211-12-301	A	SPDT	12	0.25	0.5	10.32	9.81	9.34	8.57
816-2911-05-301	2911-05-301	B	SPDT	5	0.25	1	9.58	9.11	8.67	7.96
816-2911-05-311	2911-05-311	B	SPDT	5	0.25	1	10.82	10.26	9.24	7.85
816-2911-05-321	2911-05-321	B	SPDT	5	0.25	1	10.00	9.50	9.05	8.30
816-2911-12-311	2911-12-311	B	SPDT	12	0.25	1	9.84	9.35	8.91	8.17
816-2911-12-321	2911-12-321	B	SPDT	12	0.25	1	10.10	9.60	9.14	8.39

LOW THERMAL EMF REED RELAY

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Solder Temp: 270°C max; 10 sec. max
- Vibration: 20 G's to 2000 Hz: Shock: 50 G's

Features:
- High Insulation Resistance: 10Ω
- Control/ Signal Isolation of 1500VDC
- Low Power Coils To Ensure Low Thermal EMF
- Patented Low Thermal Design

For quantities of 250 and up, call for quote.

816-3501-05-511	3501-05-511	C	SPST	5	0.5	1.5	18.33	15.60	13.26	12.59
816-3502-05-511	3502-05-511	D	DPST	5	0.5	1.5	20.75	17.66	15.01	14.26
816-3602-05-52	3602-05-52	E	DPST	5	0.25	1.5	17.01	14.48	12.31	11.70

HIGH VOLTAGE REED RELAY

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Solder Temp: 270°C max; 10 sec. max
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

Features:
- High Dielectric Strength
- High Contact Rating: 200 Watts
- Low Contact Resistance: 0.03Ω typical
- Magnetic Shield Standard

For quantities of 250 and up, call for quote.

816-5501-05-1	5501-05-1	F	SPST	5	3.0	5	26.42	24.07	22.50	18.23
816-5501-12-1	5501-12-1	F	SPST	12	3.0	5	20.12	18.18	17.27	16.36
816-5501-24-1	5501-24-1	F	SPST	24	3.0	5	20.48	18.51	17.58	16.65

SPARTAN DIP RELAY

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

Features:
- Available Coils in 5V, 12V, 24V
- Molded Thermoset Body On Integral Lead Frame Design
- Drop-In Low Cost Replacement For Standard DIP Packages

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each 1	10	50	100
816-8L01-05-011	8L01-05-011	G	SPST	5	0.5	1	1.60	1.52	1.45	1.34
816-8L01-05-111	8L01-05-111	G	SPST	5	0.5	1	1.71	1.63	1.55	1.43
816-8L01-12-001	8L01-12-001	G	SPST	12	0.5	1	1.46	1.39	1.32	1.22
816-8L01-12-101	8L01-12-101	G	SPST	12	0.5	1	1.60	1.52	1.45	1.34
816-8L01-12-111	8L01-12-111	G	SPST	12	0.5	1	1.70	1.63	1.55	1.43
816-8L02-05-00	8L02-05-00	G	DPST	5	0.5	1	2.20	2.09	1.99	1.40
816-8L02-05-01	8L02-05-01	G	DPST	5	0.5	1	2.31	2.20	2.09	1.93
816-8L02-05-11	8L02-05-11	G	DPST	5	0.5	1	2.43	2.31	2.20	2.03
816-8L02-12-00	8L02-12-00	G	DPST	12	0.5	1	2.20	2.09	1.99	1.84
816-8L02-12-11	8L02-12-11	G	DPST	12	0.5	1	2.43	2.31	2.20	2.03
816-8L41-05-001	8L41-05-001	G	SPDT	5	0.25	0.5	3.06	2.60	2.41	2.18
816-8L41-05-101	8L41-05-101	G	SPDT	5	0.25	0.5	3.28	3.13	2.97	2.74
816-8L41-05-111	8L41-05-111	G	SPDT	5	0.25	0.5	3.42	3.26	3.10	2.86
816-8L41-12-001	8L41-12-001	G	SPDT	12	0.25	0.5	3.17	3.02	2.87	2.65
816-8L41-12-011	8L41-12-011	G	SPDT	12	0.25	0.5	2.84	2.70	2.57	2.36
816-8L41-12-101	8L41-12-101	G	SPDT	12	0.25	0.5	2.84	2.70	2.57	2.36
816-8L41-12-111	8L41-12-111	G	SPDT	12	0.25	0.5	2.96	2.82	2.68	2.46

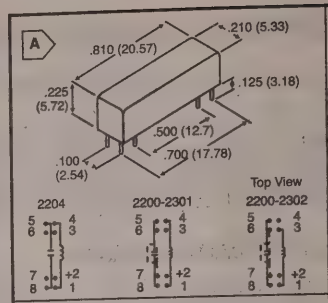
SIP REED RELAY

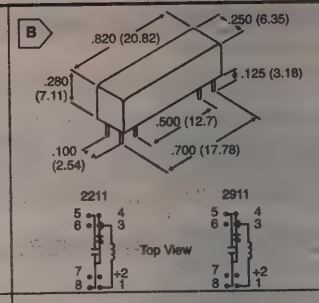
Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

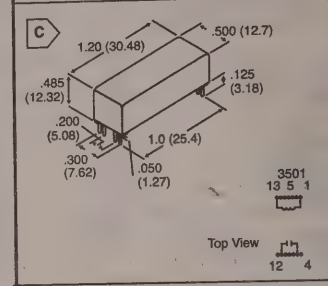
Features:
- Magnetic Shielding Reduces Interaction
- High Speed Switching
- UL File # E67117
- 9012 is the smallest 10W SIP Relay
- 9011 is the smallest 3W SIP Relay
- 9091 is a 10W SIP Relay

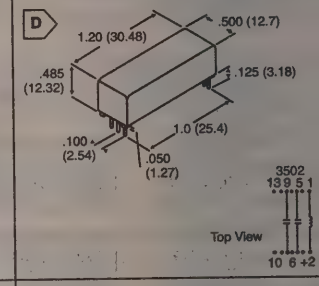
For quantities of 250 and up, call for quote.

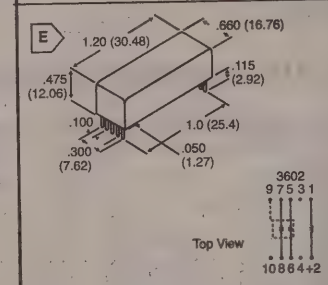
816-9001-05-00	9001-05-00	H	SPST	5	0.5	1.5	2.21	2.10	2.00	1.83
816-9001-12-00	9001-12-00	H	SPST	12	0.5	1.5	2.21	2.10	2.00	1.83
816-9002-05-00	9002-05-00	I	SPST	5	0.5	1.5	2.88	2.74	2.61	2.39
816-9002-05-01	9002-05-01	I	SPST	5	0.5	1.5	2.99	2.84	2.70	2.47
816-9011-05-10	9011-05-10	J	SPST	5	0.25	0.5	4.58	4.35	4.14	3.81
816-9012-05-10	9012-05-10	K	SPST	5	0.5	1.5	3.72	3.54	3.37	3.10
816-9091-05-00	9091-05-00	L	SPST	5	0.5	1.5	2.50	2.38	2.27	2.07

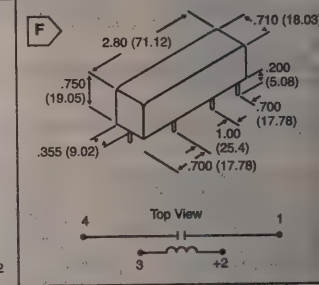


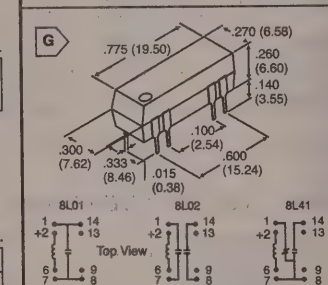


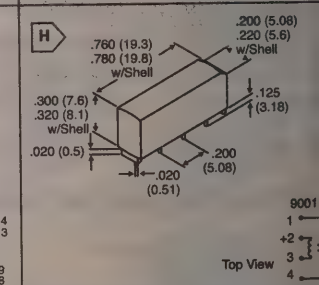


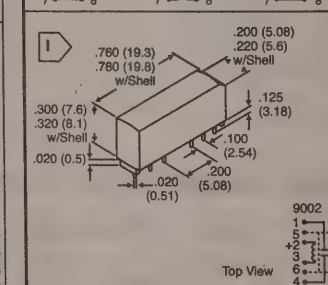


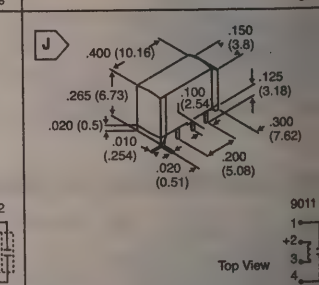


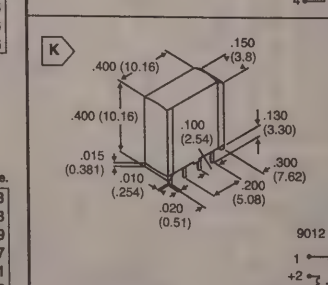


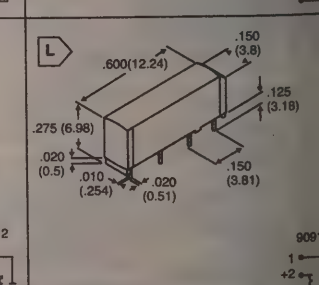












MOUSER ELECTRONICS a tti company (800) 346-6873

PARTAN SIP RELAY

atures:
High Insulation Resistance: 10Ω
High Speed Switching
UL File # E67117, CSA File # LR 28537
Coaxial Shield for 50Ω Impedance & Switching

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Solder Temp: 270°C max; 10 sec max
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

DIMENSIONS: IN (mm)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each 1	10	50	100
6-9007-05-00	9007-05-00	A	SPST	5	0.5	1	.88	.84	.79	.73
6-9007-12-00	9007-12-00	A	SPST	12	0.5	1	.88	.84	.79	.73
6-9081-05-00	9081-05-00	B	SPST	5	0.5	1	1.01	.96	.91	.83
6-9081-12-00	9081-12-00	B	SPST	12	0.5	1	1.05	1.00	.95	.87

URFACE MOUNT REED RELAY

atures:
50Ω Coaxial Shield for RF and Fast Rise Time Pulse Switching
External Magnetic Shield

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each 1	10	50	100
6-9201-05-00	9201-05-00	C	SPST	5	0.5	1.5	4.23	3.60	3.25	2.91
6-9202-05-00	9202-05-00	D	SPST	5	0.5	1.5	3.90	3.71	3.53	3.24
6-9202-05-20	9202-05-20	E	SPST	5	0.5	1.5	3.90	3.71	3.53	3.24
6-9290-05-00	9290-05-00	F	SPST	5	0.5	1.5	4.23	4.03	3.83	3.54
6-9402-05-00	9402-05-00	G	SPST	5	0.5	1	4.66	4.43	4.22	3.87
6-9402-05-20	9402-05-20	H	SPST	5	0.5	1	4.66	4.43	4.22	3.87
6-9802-05-00	9802-05-00	I	SPST	5	0.25	0.5	6.06	5.76	5.49	5.03
6-9802-05-20	9802-05-20	J	SPST	5	0.25	0.5	6.06	5.76	5.49	5.03

AGNETICALLY SHIELDED SURFACE MOUNT REED RELAY

atures:
igh Insulation Resistance: 10Ω
igh Speed Switching
mall Surface Mount Package (0.225" x 0.550")
0Ω Coaxial Shield for RF and Fast Rise Time Pulse Switching

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each 1	10	50	100
6-9814-03-00	9814-03-00	K	SPST	3.3	0.25	0.5	6.82	6.48	6.18	5.66
6-9814-03-20	9814-03-20	L	SPST	3.3	0.25	0.5	6.82	6.48	6.18	5.66
6-9814-05-00	9814-05-00	K	SPST	5	0.25	0.5	6.82	6.48	6.18	5.66
6-9814-05-20	9814-05-20	L	SPST	5	0.25	0.5	6.82	6.48	6.18	5.66

URFACE MOUNT FORM C REED RELAY

atures:
igh Insulation Resistance: 10Ω
igh Speed Switching
mall Surface Mount Package (0.225" x 0.550")
0Ω Coaxial Shield for RF and Fast Rise Time Pulse Switching
xternal Magnetic Shield

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each 1	10	50	100
6-9852-05-00	9852-05-00	K	SPDT	5	0.1	0.2	18.20	17.29	16.48	15.11

GA RF REED RELAY

atures:
GA Surface Mount
bility To Pass GHz Signals
0Ω Characteristic Impedance

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Max. Soldering Temp: 226°C (438°F)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each 1	10	50	100
6-B10-03B	B10-03B	M	3.3	0.25	0.5	12.42	12.07	11.17	11.00
6-B10-05B	B10-05B	M	5	0.25	0.5	12.42	12.07	11.17	11.00

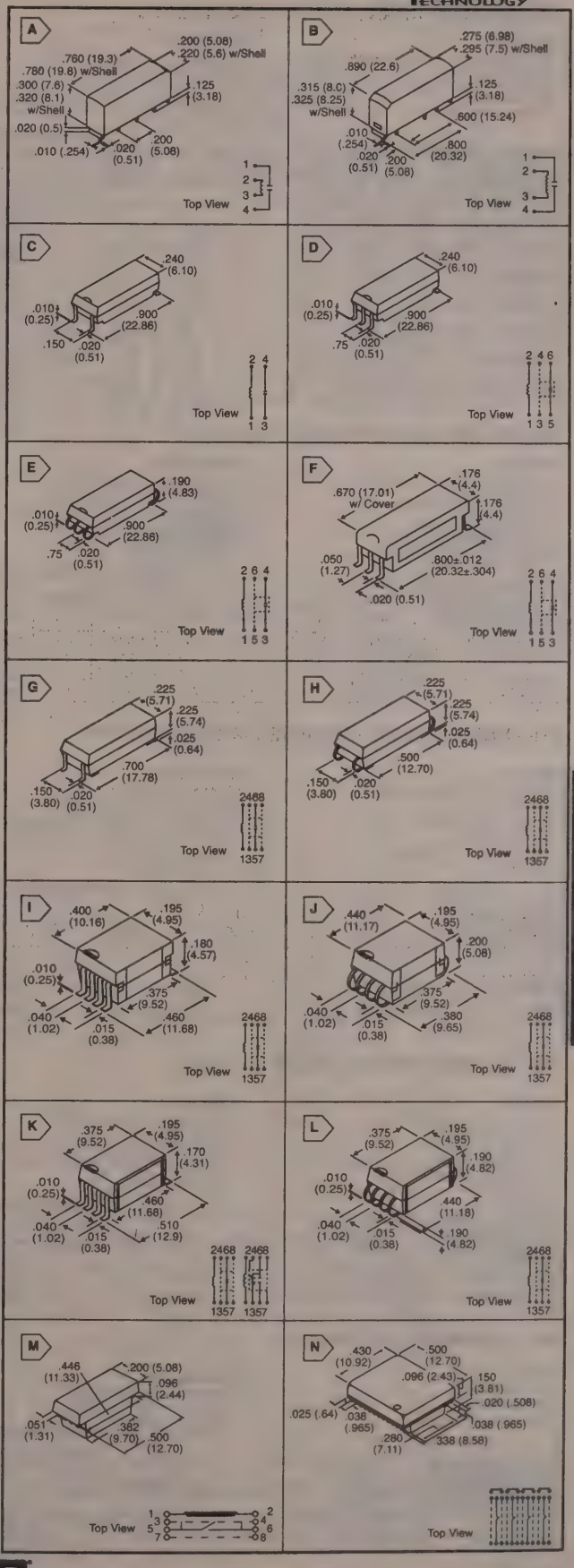
CHANNEL, BGA RF REED RELAY

atures:
GA Surface Mount
bility To Pass GHz Signals
0Ω Characteristic Impedance

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Max. Soldering Temp: 226°C (438°F)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each 1	10	50	100
6-B40-0002B	B40-0002B	N	3.3	0.25	0.5	85.80	82.50	79.36	76.99
6-B40-0003B	B40-0003B	N	5	0.25	0.5	85.80	82.50	79.36	76.99



9081 SERIES: SPARTAN SIP REED RELAYS

Features:
- Hermetically sealed contacts for long life
- High speed switching
- Molded thermoset body on integral lead frame design
- Magnetic Shield Option

Specifications:
- Storage Temp: -35°C to +100°C
- Operate Temp: -20°C to +85°C
- Solder Temp: 270°C max 10 sec. max
- Vibration: 20 G's to 2000 Hz Shock: 50 G's
- Switching Current: .4
- Carry Current (A): 1.0

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each 1	10	50	100
816-9081C-05-00	9081C-05-00	A	5	125	3.75	0.4	2.47	2.33	2.19	2.10
816-9081C-05-10	9081C-05-10	A	5	125	3.75	0.4	2.66	2.52	2.37	2.28
816-9081C-12-00	9081C-12-00	A	12	500	9.00	1.0	2.50	2.36	2.22	2.14
816-9081C-12-10	9081C-12-10	A	12	500	9.00	1.0	2.72	2.57	2.42	2.31
816-9081C-24-00	9081C-24-00	A	24	2000	18.00	2.0	2.56	2.41	2.27	2.17
816-9081C-24-10	9081C-24-10	A	24	2000	18.00	2.0	2.75	2.60	2.45	2.35
816-9081C1-05-00	9081C1-05-00	B	5	125	3.75	0.4	2.47	2.33	2.19	2.10
816-9081C1-05-10	9081C1-05-10	B	5	125	3.75	0.4	2.66	2.52	2.37	2.28
816-9081C1-12-00	9081C1-12-00	B	12	500	9.00	1.0	2.50	2.36	2.22	2.14
816-9081C1-12-10	9081C1-12-10	B	12	500	9.00	1.0	2.72	2.57	2.42	2.31
816-9081C1-24-00	9081C1-24-00	B	24	2000	18.00	2.0	2.56	2.41	2.27	2.17
816-9081C1-24-10	9081C1-24-10	B	24	2000	18.00	2.0	2.75	2.60	2.45	2.35

9092 SERIES: MINIATURE SIP RELAYS

Features:
- 10W SIP relay measuring .600" x .150" x .350"
- High speed switching
- Molded thermoset body on integral lead frame design
- High insulation resistance
- Magnetic Shield Option
- Diode Option

Specifications:
- Storage Temp: -35°C to +100°C
- Operate Temp: -20°C to +85°C
- Solder Temp: 270°C max 10 sec. max
- Vibration: 20 G's to 2000 Hz Shock: 50 G's
- Switching Current (A): 0.5
- Carry Current (A): 1.2

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each 1	10	50	100
816-9092-05-10	9092-05-10	C	5	375	3.75	0.4	6.55	6.19	5.82	5.59
816-9092-05-11	9092-05-11	C	5	375	3.75	0.4	6.67	6.29	5.92	5.67
816-9092-12-10	9092-12-10	C	12	750	9.0	1.0	6.59	6.22	5.85	5.61
816-9092-12-11	9092-12-11	C	12	750	9.0	1.0	6.68	6.30	5.93	5.69

9104 SERIES: HIGH VOLTAGE SIP REED RELAYS

Features:
- High voltage switching up to 1000V
- High speed switching
- Molded thermoset body on integral lead frame design
- High insulation resistance
- High dielectric strength 2000 VDC
- Diode Option

Specifications:
- Storage Temp: -35°C to +100°C
- Operate Temp: -20°C to +85°C
- Solder Temp: 270°C max 10 sec. max
- Vibration: 20 G's to 2000 Hz Shock: 50 G's
- Switching Current (A): .5
- Carry Current (A): 1.3

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each 1	10	50	100
816-9104-05-10	9104-05-10	D	5	175	3.75	0.5	6.55	6.19	5.82	5.59
816-9104-05-11	9104-05-11	D	5	175	3.75	0.5	6.67	6.29	5.92	5.67
816-9104-12-10	9104-12-10	D	12	500	9.0	1.0	6.59	6.22	5.85	5.61
816-9104-12-11	9104-12-11	D	12	500	9.0	1.0	6.68	6.30	5.93	5.69

9117 SERIES: MINIATURE SIP RELAYS

Features:
- 9117 is the smallest 3W SIP relay (.270"x.150"x.385")
- High speed switching
- High insulation resistance
- High reliability, hermetically sealed contacts
- Molded thermoset body on integral lead frame design
- Diode Option

Specifications:
- Storage Temp: -35°C to +100°C
- Operate Temp: -20°C to +85°C
- Solder Temp: 270°C max 10 sec. max
- Vibration: 20 G's to 2000 Hz Shock: 50 G's
- Switching Current (A): .25
- Carry Current (A): .5

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each 1	10	50	100
816-9117-05-10	9117-05-10	E	5	400	3.75	0.5	6.75	6.38	6.00	5.75
816-9117-05-11	9117-05-11	E	5	400	3.75	0.5	6.84	6.46	6.08	5.83

B41 4-CHANNEL RF RELAYS

Features:
- BGA Surface Mount
- Low capacitance
- Ability to pass GHz signals

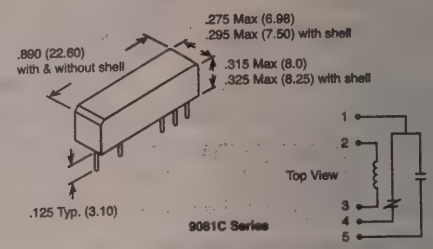
Specifications:
- Storage Temp: -35°C to +100°C
- Operate Temp: -20°C to +85°C
- Solder Temp: 226°C max
- Switching current (A): .40 Carry Current (A): 0.5

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each 1	10	50	100
816-B41-0001	B41-0001	F	3.3	55	2.4	0.4	112.13	94.18	82.97	80.49
816-B41-0002	B41-0002	F	3.3	55	2.4	0.4	112.13	94.18	82.97	80.49

DIMENSIONS: IN (mm)

A



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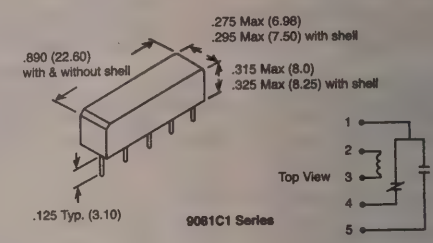

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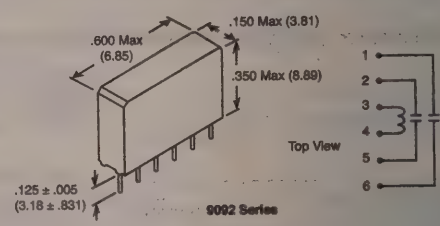

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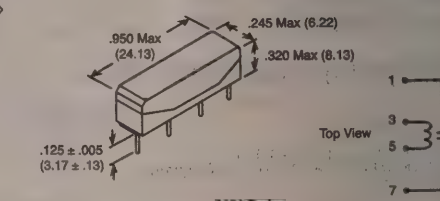

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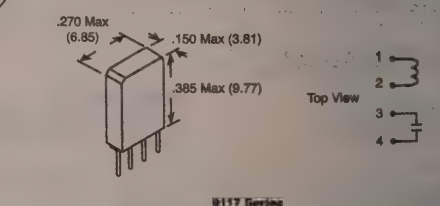

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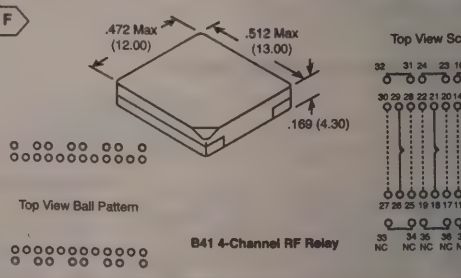


MOUSER ELECTRONICS a tti company

(800) 346-6873

MAGNECRAFT Reed Relays

a company of Schneider Electric

Magnecraft
Your Contact for Industrial Relays

117 SIP 4 PIN REED RELAYS

ecifications:

- Contact resistance: 200mΩ max.
- Pin spacing of 0.2 between pins
- Standard 0.1 grid spacing
- Rated @ 10VA, 0.5 amp switching and can carry up to 1.5 amps
- Dielectric strength: 500Vrms (coil to frame)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft Part No.	Fig.	Nom. Volts	Coil (Ω)	Max. Pick-up VDC	Nom. Power mW	Price Each 1	10	25	50
ass 117SIP, SPST-NO, Without Clamping Diode										
28-117-1	W117SIP-1	A1	5	500	4	50	2.14	1.98	1.87	1.77
28-117-3	W117SIP-3	A1	12	1000	9.6	144	2.14	1.98	1.87	1.77
28-117-5	W117SIP-5	A1	24	2000	19.2	288	3.24	3.00	2.84	2.67
ass 117SIP, SPST-NO, With Clamping Diode										
28-117-6	W117SIP-6	A2	5	500	4	50	2.32	2.15	2.03	1.91
28-117-8	W117SIP-8	A2	12	1000	9.6	144	3.24	3.00	2.84	2.67
28-117-10	W117SIP-10	A2	24	2000	19.2	288	3.48	3.22	3.05	2.87
ass 117SIP, SPST-NC, With Clamping Diode										
28-117-18	W117SIP-18	A3	5	500	4	50	4.98	4.61	4.36	4.11
28-117-25	W117SIP-25	A3	12	1200	9.6	120	5.22	4.83	4.57	4.31
28-117-26	W117SIP-26	A3	24	2200	19.2	220	6.10	5.64	5.34	5.03
ass 117SIP, SPST-NC, Without Clamping Diode										
28-117-22	W117SIP-22	A4	5	500	4	50	4.98	4.61	4.36	4.11
28-117-23	W117SIP-23	A4	12	1200	9.6	120	4.98	4.61	4.36	4.11

CLASS 107, 171, & 172 DRY REED RELAYS

ecifications:

ontact resistance: 200mΩ max.
sulation resistance: 100MΩ @ 500VDC min.
electric withstanding voltage between contacts: 200Vrms
ith clamping diode

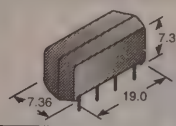
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft Part No.	Fig.	Nom. Volts	Coil (Ω)	Max. Pick-up VDC	Nom. Power mW	Price Each 1	10	25	50
lass 107DIP, SPST-NO, 0.5 Amp										
28-107-1	W107DIP-1	B1	5	500	3.8	50	2.90	2.68	2.54	2.39
28-107-3	W107DIP-3	B1	12	1000	9	144	2.90	2.68	2.54	2.39
28-107-4	W107DIP-4	B1	24	2000	18	288	3.06	2.83	2.68	2.52
28-107-5	W107DIP-5	B2	5	500	3.8	50	3.06	2.83	2.68	2.52
28-107-7	W107DIP-7	B2	12	1000	9	144	3.06	2.83	2.68	2.52
28-107-8	W107DIP-8	B2	24	2000	18	288	3.42	3.16	2.99	2.82
lass 171DIP, SPST-NO, 0.5 Amp (No Connection Pin 9 & 13)										
28-171-2	W171DIP-2	B3	5	500	3.8	50	2.84	2.63	2.49	2.34
28-171-4	W171DIP-4	B3	12	1200	9	120	2.04	1.89	1.79	1.68
28-171-5	W171 DIP-5	B3	24	2200	18	270	3.06	2.83	2.68	2.52
28-171-7	W171DIP-7	B4	5	500	3.8	50	2.20	2.04	1.93	1.82
28-171-9	W171DIP-9	B4	12	1200	9	144	3.06	2.83	2.68	2.52
28-171-10	W171DIP-10	B4	24	2200	18	270	3.48	3.22	3.05	2.87
ass 171DIP, SPST-NC, 0.5 Amp										
28-171-12	W171DIP-12	B5	5	200	3.8	50	4.56	4.22	3.99	3.76
28-171-14	W171DIP-14	B5	12	1200	9	120	4.56	4.22	3.99	3.76
28-171-15	W171DIP-15	B5	24	2200	18	270	4.86	4.50	4.25	4.01
28-171-17	W171DIP-17	B6	5	500	3.8	50	4.86	4.50	4.25	4.01
28-171-19	W171DIP-19	B6	12	1200	9	120	4.86	4.50	4.25	4.01
28-171-20	W171DIP-20	B6	24	2200	18	270	5.28	4.88	4.62	4.36
ass 171DIP, DPST-NO, 0.5 Amp										
28-171-21	W171DIP-21	B7	5	200	3.8	50	3.26	3.02	2.85	2.69
28-171-23	W171DIP-23	B7	12	1000	9	144	4.56	4.22	3.99	3.76
28-171-24	W171DIP-24	B7	24	2200	18	270	4.86	4.50	4.25	4.01
28-171-25	W171DIP-25	B8	5	500	3.8	50	4.86	4.50	4.25	4.01
28-171-27	W171DIP-27	B8	12	1000	9	144	3.48	3.22	3.05	2.87
28-171-28	W171DIP-28	B8	24	2200	18	270	5.28	4.88	4.62	4.36
ass 172DIP, SPDT, 0.25 Amp										
28-172-1	W172DIP-1	B9	5	200	3.8	125	5.76	5.33	5.04	4.75
28-172-3	W172DIP-3	B9	12	500	9	300	6.50	6.01	5.69	5.36
28-172-4	W172DIP-4	B9	24	2200	18	270	6.50	6.01	5.69	5.36
28-172-5	W172DIP-5	B10	5	200	3.8	125	4.32	4.00	3.78	3.56
28-172-7	W172DIP-7	B10	12	500	9	300	6.50	6.01	5.69	5.36
ass 172DIP, SPDT, 0.25 Amp										
28-172-141	W172DIP-141	B11	5	200	3.8	125	5.50	5.09	4.81	4.54
28-172-145	W172DIP-145	B11	12	1000	9	144	6.36	5.88	5.57	5.25
28-172-146	W172DIP-146	B11	24	3200	18	180	6.04	5.59	5.29	4.98
ass 172DIP, SPDT, 0.25 Amp										
28-172-147	W172DIP-147	B12	5	200	3.8	125	4.34	4.01	3.80	3.58
28-172-149	W172DIP-149	B12	12	1000	9	144	4.34	4.01	3.80	3.58
28-172-150	W172DIP-150	B12	24	3200	18	180	8.30	7.68	7.26	6.85
ass 172DIP, SPDT, 0.25 Amp										
28-172-33	W172DIP-33	B13	12	500	9	290	5.90	5.46	5.16	4.87
28-172-34	W172DIP-34	B13	24	2200	18	270	6.36	5.88	5.57	5.25
28-172-35	W172DIP-35	B14	5	200	3.8	125	6.18	5.72	5.41	5.10
28-172-37	W172DIP-37	B14	12	500	9	290	6.18	5.72	5.41	5.10
28-172-38	W172DIP-38	B14	24	2200	18	270	6.64	6.14	5.81	5.48
ass 172DIP, DPDT, 0.5 Amp										
28-172-17	W172DIP-17	B15	5	46	3.8	540	31.76	29.38	27.79	26.20
28-172-19	W172DIP-19	B15	12	266	9	540	31.76	29.38	27.79	26.20
28-172-20	W172DIP-20	B15	24	1066	18	540	31.76	29.38	27.79	26.20
28-172-21	W172DIP-21	B16	5	46	3.8	540	35.48	32.82	31.05	29.27
28-172-23	W172DIP-23	B16	12	266	9	540	35.48	32.82	31.05	29.27
28-172-24	W172DIP-24	B16	24	1066	18	540	35.48	32.82	31.05	29.27

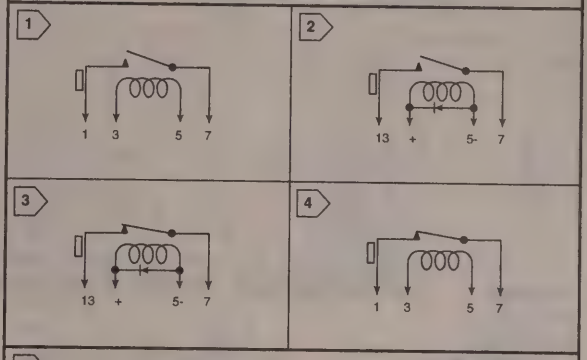
Magnecraft
Your Contact for Industrial Relays

DIMENSIONS mm

A



TERMINAL ARRANGEMENT



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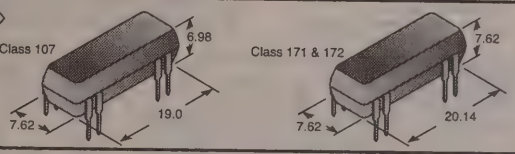

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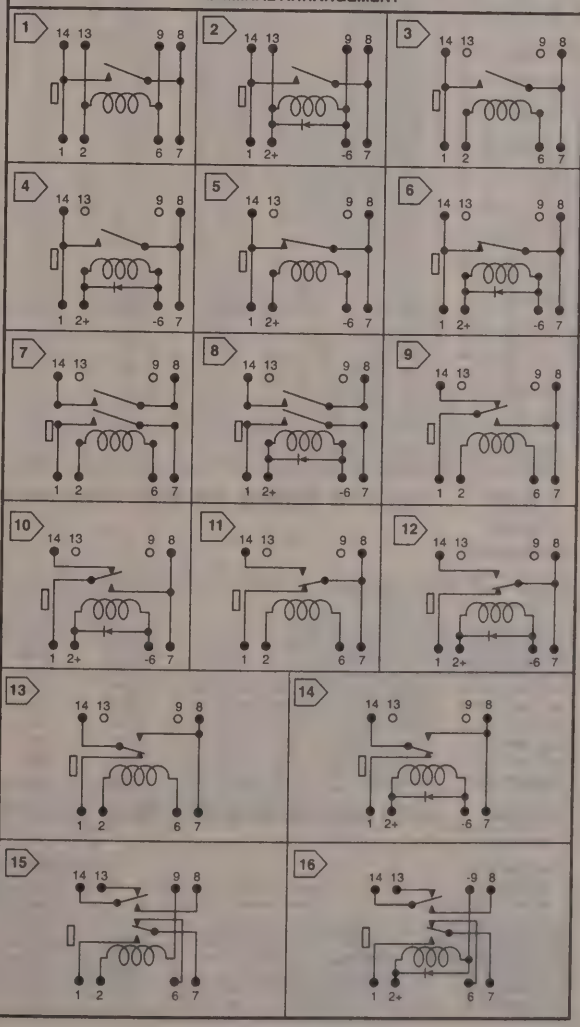
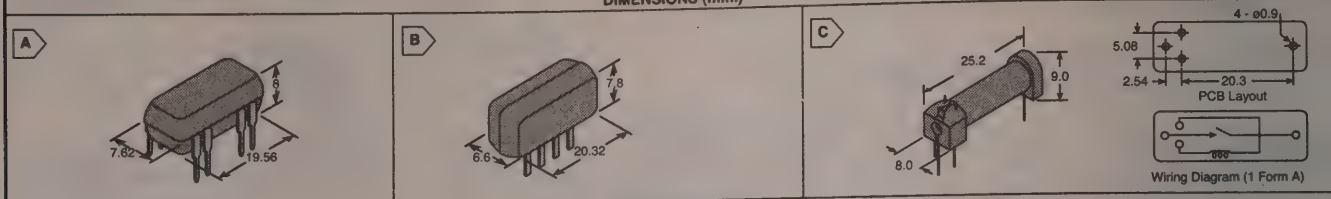
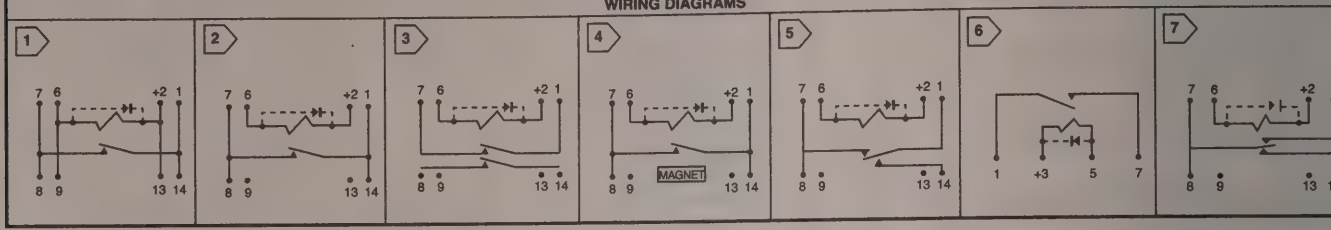


Magnecraft
Reed Relays

DIMENSIONS (mm.)



WIRING DIAGRAMS



tyco Electronics P&B JWD SERIES: DIP DRY REED RELAYS

Specifications:

- Contact Material: Ruthenium
- Mechanical Life: 100 million operations
- Maximum Switched Current:500mA
- Operating Time (including bounce): 1.5ms max.
- Release Time (including bounce): 0.5ms max.

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Max. Switched Power	Suppression Diode	Nominal Voltage	Must Operate Voltage	Must Release Voltage	Max. Voltage	Coil Res. (Ohm)	Nominal Current	Price Each 1	25	50	10
655-JWD-107-1	JWD-107-1	A1	SPST-NO	10 W	No	5/6 VDC	3.8 VDC	0.5 VDC	19 VDC	500	50/72 mW	3.06	2.82	2.58	2.2
655-JWD-107-5	JWD-107-5	A1	SPST-NO	10 W	Yes	5/6 VDC	3.8 VDC	0.5 VDC	19 VDC	500	50/72 mW	3.65	3.36	3.07	2.6
655-JWD-107-3	JWD-107-3	A1	SPST-NO	10 W	No	12 VDC	9.6 VDC	1.0 VDC	19 VDC	1200	120 mW	2.70	2.49	2.27	1.9
655-JWD-107-7	JWD-107-7	A1	SPST-NO	10 W	Yes	12 VDC	9.6 VDC	1.0 VDC	19 VDC	1200	120 mW	3.65	3.36	3.07	2.6
655-JWD-171-5	JWD-171-5	A2	SPST-NO	10 W	No	24 VDC	19.2 VDC	2.0 VDC	40 VDC	2150	268 mW	3.97	3.66	3.34	2.9
655-JWD-171-10	JWD-171-10	A2	SPST-NO	10 W	Yes	24 VDC	19.2 VDC	2.0 VDC	40 VDC	2150	268 mW	3.91	3.61	3.30	2.8
655-JWD-171-21	JWD-171-21	A3	DPST-NO	10 W	No	5/6 VDC	3.8 VDC	0.5 VDC	14 VDC	200	125/180 mW	4.89	4.37	3.98	3.5
655-JWD-171-25	JWD-171-25	A3	DPST-NO	10 W	Yes	5/6 VDC	3.8 VDC	0.5 VDC	14 VDC	200	125/180 mW	4.77	4.39	4.02	3.5
655-JWD-171-23	JWD-171-23	A3	DPST-NO	10 W	No	12 VDC	9.6 VDC	1.0 VDC	19 VDC	500	288 mW	4.58	4.22	3.86	3.3
655-JWD-171-27	JWD-171-27	A3	DPST-NO	10 W	Yes	12 VDC	9.6 VDC	1.0 VDC	19 VDC	500	288 mW	4.77	4.39	4.02	3.5
655-JWD-171-24	JWD-171-24	A3	DPST-NO	10 W	No	24 VDC	19.2 VDC	2.0 VDC	40 VDC	2200	262 mW	3.82	3.42	3.11	2.8
655-JWD-171-28	JWD-171-28	A3	DPST-NO	10 W	Yes	24 VDC	19.2 VDC	2.0 VDC	40 VDC	2200	262 mW	5.95	5.48	5.01	4.3
655-JWD-171-12	JWD-171-12	A4	SPST-NC	10 W	No	5/6 VDC	3.8 VDC	0.5 VDC	7 VDC	500	50/72 mW	5.10	4.55	4.15	3.7
655-JWD-171-17	JWD-171-17	A4	SPST-NC	10 W	Yes	5/6 VDC	3.8 VDC	0.5 VDC	7 VDC	500	50/72 mW	4.77	4.39	4.02	3.5
655-JWD-171-14	JWD-171-14	A4	SPST-NC	10 W	No	12 VDC	9.6 VDC	1.0 VDC	16 VDC	1200	120 mW	3.82	3.42	3.11	2.8
655-JWD-171-19	JWD-171-19	A4	SPST-NC	10 W	Yes	12 VDC	9.6 VDC	1.0 VDC	16 VDC	1200	120 mW	5.12	4.57	4.17	3.7
655-JWD-171-15	JWD-171-15	A4	SPST-NC	10 W	No	24 VDC	19.2 VDC	2.0 VDC	40 VDC	2200	262 mW	5.10	4.55	4.15	3.7
655-JWD-171-20	JWD-171-20	A4	SPST-NC	10 W	Yes	24 VDC	19.2 VDC	2.0 VDC	40 VDC	2200	262 mW	5.12	4.57	4.17	3.7
655-JWD-172-1	JWD-172-1	A5	SPDT	3 W	No	5/6 VDC	3.8 VDC	0.5 VDC	12 VDC	200	125/180 mW	5.99	5.51	5.04	4.4
655-JWD-172-5	JWD-172-5	A5	SPDT	3 W	Yes	5/6 VDC	3.8 VDC	0.5 VDC	12 VDC	200	125/180 mW	5.99	5.51	5.04	4.4
655-JWD-172-3	JWD-172-3	A5	SPDT	3 W	No	12 VDC	9.6 VDC	1.0 VDC	19 VDC	500	288 mW	6.69	6.16	5.63	4.9
655-JWD-172-7	JWD-172-7	A5	SPDT	3 W	Yes	12 VDC	9.6 VDC	1.0 VDC	19 VDC	500	288 mW	7.36	6.63	5.89	5.1
655-JWD-172-4	JWD-172-4	A5	SPDT	3 W	No	24 VDC	19.2 VDC	2.0 VDC	38 VDC	2200	262 mW	6.69	6.16	5.63	4.9
655-JWD-172-8	JWD-172-8	A5	SPDT	3 W	Yes	24 VDC	19.2 VDC	2.0 VDC	38 VDC	2200	262 mW	6.61	6.09	5.57	4.8
655-JWD-172-155	JWD-172-155	A7	SPDT	3 W	No	5/6 VDC	3.8 VDC	0.5 VDC	12 VDC	200	125/180 mW	7.17	6.41	5.84	5.2
655-JWD-172-159	JWD-172-159	A7	SPDT	3 W	Yes	5/6 VDC	3.8 VDC	0.5 VDC	12 VDC	200	125/180 mW	7.17	6.41	5.84	5.2
655-JWD-172-161	JWD-172-161	A7	SPDT	3 W	Yes	12 VDC	9.6 VDC	1.0 VDC	19 VDC	1000	144 mW	7.50	6.69	6.10	5.4
655-JWD-172-158	JWD-172-158	A7	SPDT	3 W	No	24 VDC	19.2 VDC	2.0 VDC	38 VDC	2150	268 mW	7.31	6.52	5.95	5.3
655-JWD-172-162	JWD-172-162	A7	SPDT	3 W	Yes	24 VDC	19.2 VDC	2.0 VDC	38 VDC	2150	268 mW	7.50	6.69	6.10	5.5

tyco Electronics P&B JWS SERIES: SIP DRY REED RELAYS

Specifications:

- Contact Material: Ruthenium
- Mechanical Life: 100 million operations
- Maximum Switched Current:500mA
- Operating Time (including bounce): 1.5ms max.
- Release Time (including bounce): 0.5ms max.

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Max. Switched Power	Suppression Diode	Nominal Voltage	Must Operate Voltage	Must Release Voltage	Max. Voltage	Coil Res. (Ohm)	Nominal Current	Price Each 1	25	50	1
655-JWS-117-1	JWS-117-1	B6	SPST-NO	10 W	No	5 VDC	3.8 VDC	0.5 VDC	16 VDC	500	50 mW	3.36	3.10	2.83	2.
655-JWS-117-6	JWS-117-6	B6	SPST-NO	10 W	Yes	5 VDC	3.8 VDC	0.5 VDC	16 VDC	500	50 mW	3.46	3.09	2.82	2.
655-JWS-117-3	JWS-117-3	B6	SPST-NO	10 W	No	12 VDC	9.6 VDC	1.0 VDC	19 VDC	530	272 mW	3.62	3.23	2.94	2.
655-JWS-117-8	JWS-117-8	B6	SPST-NO	10 W	Yes	12 VDC	9.6 VDC	1.0 VDC	19 VDC	530	272 mW	4.61	4.11	3.75	3.
655-JWS-117-18	JWS-117-18	B6	SPST-NO	10 W	Yes	12 VDC	9.6 VDC	1.0 VDC	30 VDC	1850	78 mW	2.99	2.67	2.43	2.
655-JWS-117-5	JWS-117-5	B6	SPST-NO	10 W	No	24 VDC	19.2 VDC	2.0 VDC	36 VDC	2150	268 mW	2.89	2.58	2.35	2.

tyco Electronics OEG OMR SERIES: DRY REED RELAYS

Specifications:

- Small package
- Contact rating: 0.5A @ 120VAC
- Nominal power: 100 - 280mW
- Contact material: Rh, Ru

Common Applications:

- Telecommunications
- Office machines

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Max. Switched Power	Suppression Diode	Nominal Voltage	Must Operate Voltage	Must Release Voltage	Max. Voltage	Coil Res. (Ohm)	Nominal Current	Price Each 1	25	50	1
677-OMR-106H	OMR-106H,V000	C	SPST-NO	10 W	No	5/6 VDC	3.5 VDC	0.5 VDC	60 VDC	250	24 mA	.80	.72	.64	
677-OMR-112H	OMR-112H,V000	C	SPST-NO	10 W	No	12 VDC	8.4 VDC	1.2 VDC	60 VDC	1050	11.4 mA	1.54	1.39	1.23	1.

NEL MOUNT POWER RELAYS

perior Surge Survival™
00V Isolation
ro Cross Turn-On
ect Copper Bonded SCR's

- Current Limited Inputs
- Rated @ 40°C
- Safety Cover Included
- 800V Peak Blocking V (300V)
- 1200V Peak Blocking V (600V)
- High Surge Capability
- Built in Snubber

CE compliant EN60947

AA Series, 100VAC Input, Current Limited to 19mA Max.

For quantities of 100 and up, call for quote.

OUSER OCK NO.	CII Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Turn-Off Voltage	Price Each 1	10	25	50
Control											
3-4410	SVAA/3V10	A	24-330	.05-10A	100-280VAC	2mA/19mA	20V/2mA	22.28	20.05	17.82	15.60
3-4425	SVAA/3V25	A	24-330	.10-25A	100-280VAC	2mA/19mA	20V/2mA	24.37	21.94	19.50	17.07
3-4450	SVAA/3V50	A	24-330	.10-50A	100-280VAC	2mA/19mA	20V/2mA	34.59	31.14	27.67	24.22
3-4475	SVAA/3V75	A	24-330	.10-75A	100-280VAC	2mA/19mA	20V/2mA	52.88	47.59	42.30	37.02
3-4650	SVAA/6V50	A	24-660	.10-50A	100-280VAC	2mA/19mA	20V/2mA	47.84	43.06	38.27	33.49
3-4675	SVAA/6V75	A	24-660	.10-75A	100-280VAC	2mA/19mA	20V/2mA	58.60	52.74	46.88	41.02

DA Series, 4-32VDC Input, Current Limited to 10mA Max.

For quantities of 100 and up, call for quote.

Control											
3-4310	SVDA/3V10	A	24-330	.05-10A	4-32VDC	5.4mA/10mA	1VDC	17.23	15.52	13.78	12.07
3-4325	SVDA/3V25	A	24-330	.10-25A	4-32VDC	5.4mA/10mA	1VDC	21.36	19.22	17.09	14.95
3-4350	SVDA/3V50	A	24-330	.10-50A	4-32VDC	3.5mA/8mA	1VDC	30.55	27.50	24.44	21.39
3-4375	SVDA/3V75	A	24-330	.10-75A	4-32VDC	3.5mA/8mA	1VDC	49.92	44.93	39.94	34.94
3-4550	SVDA/6V50	A	24-660	.10-50A	4-32VDC	3.5mA/8mA	1VDC	37.09	33.39	29.67	25.97
3-4575	SVDA/6V75	A	24-660	.10-75A	4-32VDC	3.5mA/8mA	1VDC	52.84	47.56	42.27	36.99

DD Series, DC-DC Solid State Relay

For quantities of 100 and up, call for quote.

OUSER OCK NO.	CII Part No.	Fig.	Output Voltage (DC Volts)	Output Current (Amps)	Control Voltage (VDC)	Control Current (mA) (min/max)	Turn On-Off Time (µsec.)	Price Each 1	10	25	50
Control											
3-1312	SVDD/1V12	A	100	12	4-32	6	25	37.30	33.57	29.84	26.11
3-1320	SVDD/1V20	A	100	20	4-32	6	25	43.00	38.70	34.40	30.10
3-1340	SVDD/1V40	A	100	40	4-32	6	25	56.39	50.76	45.11	39.48

LID STATE RELAY ACCESSORIES

For quantities of 100 and up, call for quote.

OUSER OCK NO.	CII Part No.	Fig.	Description	Price Each 1	10	25	50
3-1400	COVER-SAFETY-000	A	Safety Cover for SV Series Hockey Puck Relays	1.50	1.35	1.27	1.19

I RAIL MOUNT RELAYS, 48-660VAC OUTPUT

gged Snubber Circuit
rent Limited Inputs
0V Isolation
erior Surge Survival™

- DIN Rail or Panel Mount
- Zero Cross Turn On
- Wide Input Ranges
- Rated @ 40°C
- No Need for Burden Resistor on AC Circuits
- Oversized SCR's (1400 Blocking Volts on 600v units)
- Super Efficient, 1.0W dissipated per Amp switches

CE compliant EN60947

AA Series, Single Phase AC Control

For quantities of 100 and up, call for quote.

OUSER OCK NO.	CII Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Must Release (VAC/IAC)	Price Each 1	10	25	50
3-2425	RVAA/6V25	B	24-660	.10-25	100-280VAC	9mA/25mA	20/2mA	52.65	47.39	42.13	36.86
3-2440	RVAA/6V40	C	24-660	.10-40	100-280VAC	9mA/25mA	20/2mA	62.43	56.20	49.95	43.71

DA Series, Single Phase DC Control

For quantities of 100 and up, call for quote.

OUSER OCK NO.	CII Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Must Release (VDC)	Price Each 1	10	25	50
3-2325	RVDA/6V25	B	24-660	.10-25	4-32VDC	3.5mA/8mA	1	48.71	43.85	38.98	34.10
3-2340	RVDA/6V40	C	24-660	.10-40	4-32VDC	3.5mA/8mA	1	58.99	53.10	47.20	41.30

MA Series, Single Phase 4-20mA Input, Time Proportioning Output

f the RV Series features above
mA Process Input; High Speed, Time Proportioning AC Output

- Output Resolution of 1/2 Sinewave (8.3ms at 60 Hz)

For quantities of 100 and up, call for quote.

OUSER OCK NO.	CII Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Max Voltage Drop at 20mA (VDC)	Price Each 1	10	25	50
3-6625	RVMA/6V25	B	24-660	.10-25	6	91.33	82.21	73.07	63.94
3-6640	RVMA/6V40	C	24-660	.10-40	6	101.69	91.53	81.36	71.19

REE PHASE SOLID STATE RELAYS

erior Surge Survival™
ged Snubber Circuit
rent Limited Inputs

- MOV Option Available
- Din Rail or Panel Mount
- Rated @ 40°C
- No Need for Burden Resistor on AC Circuits
- Oversized SCR's (1400 Blocking Volts on 600v units)
- 4000V Isolation

units can be wired for 3 phase 2 leg with a rating of 37.5 Amps per leg. 500V units have internal MOV installed

3 Series, Three Phase AC Control

For quantities of 100 and up, call for quote.

OUSER OCK NO.	CII Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Must Release	Price Each 1	10	25	50
3-3475	RVA3/6V75T/H	D	48-660	.10-30/leg	100-280VAC	10-33	20VAC	132.40	119.16	105.92	92.68
3-2533	RVA3/5V75T/H	D	48-560	.10-30/leg	100-280VAC	10-33	20VAC	142.75	128.48	114.21	99.93

3 Series, Three Phase DC Control

For quantities of 100 and up, call for quote.

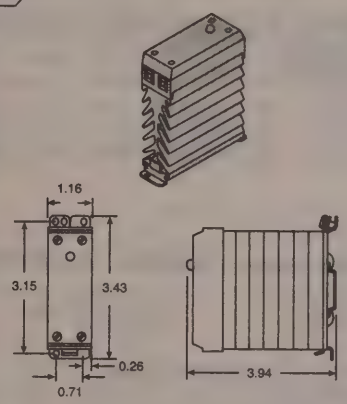
OUSER OCK NO.	CII Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Must Release	Price Each 1	10	25	50
3-3575	RVD3/6V75T/L	D	48-660	.10-30/leg	4-32VDC	10-18	1VDC	125.92	113.33	100.74	88.14
3-2333	RVD3/5V75T/H	D	48-560	.10-30/leg	4-32VDC	10-18	1VDC	136.32	122.69	109.06	95.42

DIMENSIONS (IN)

A

Safety Cover

B



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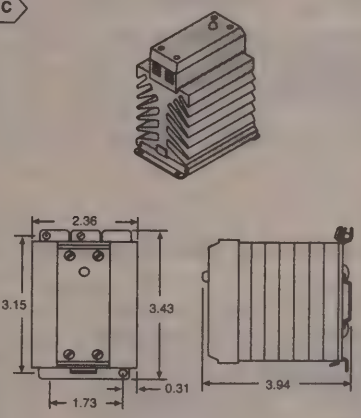

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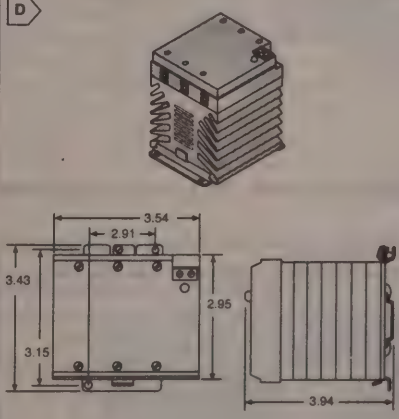

CII

Relays

FULLY INTEGRATED "INTELLIGENT" SOLID STATE RELAY

- DIN Rail or Panel Mount
- 4000V Isolation
- Zero Voltage Turn-On
- Direct Copper Bonded SCR's
- LED Indicator (Function & Alarm)
- Auto Shutdown on Over Temperature
- Touch Safe
- Safety Cover Included
- 1200V Peak Blocking V
- Built in, Replaceable Semiconductor Fuse

CE compliant EN60947

RSDA Series - 50, 75, & 100 Amp 660 Volt AC Output

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Line Voltage Range	Load Current Range	Min. Control Voltage and Current Draw	Price Each 1	10	25	50
DC Control									
518-6101	RSDA-660-50-100	A	48-660VAC	.10-50A	4VDC/6mA	108.90	98.01	87.12	76.23
518-6102	RSDA-660-75-100	B	48-660VAC	.10-75A	4VDC/6mA	156.06	140.45	124.85	109.24
518-6103	RSDA-660-100-100	C	48-660VAC	.10-100A	4VDC/6mA	281.52	253.37	225.22	197.06

RSAA Series - 50, 75, & 100 Amp 660 Volt AC Output

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Line Voltage Range	Load Current Range	Min. Control Voltage and Current Draw	Price Each 1	10	25	50
AC Control									
518-6104	RSAA-660-50-100	A	48-660VAC	.10-50A	100VAC/5mA	112.20	100.98	89.76	78.54
518-6105	RSAA-660-75-100	B	48-660VAC	.10-75A	100VAC/5mA	159.12	143.21	127.30	111.38
518-6106	RSAA-660-100-100	C	48-660VAC	.10-100A	100VAC/5mA	284.58	256.12	227.66	199.21

MINI RAIL MOUNT INPUT MODULES

- High Density Design
- 0-70°C Operating
- LED Logic Indicator
- Color Coded Cases
- Positive or Negative Logic
- Optically Isolated
- TTL Compatible
- 4000 Volt Isolation
- 100% Tested

CE compliant EN60947

IAC Series, AC Input (Yellow Case)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Logic Output Voltage	Max. Load Current (mA)	Turn On/Off Time Max.	Price Each 1	10	25	50
518-3401	I.O.-IAC-R0-280	D	4-28VDC	100	20/20ms	21.98	19.78	17.58	15.39
518-3403	I.O.-IAC+R0-280	D	4-28VDC	100	20/20ms	21.52	19.37	17.22	15.06

IDC Series, DC Input (White Case)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Logic Output Voltage	Max. Load Current (mA)	Turn On/Off Time Max.	Price Each 1	10	25	50
518-3406	I.O.-IDC-R0-028	D	4-28VDC	100	30/60µs	21.40	19.26	17.12	14.98
518-3407	I.O.-IDC+R0-028	D	4-28VDC	100	30/60µs	21.52	19.37	17.22	15.06

MINI RAIL MOUNT OUTPUT MODULES

- High Density Design
- Positive or Negative Logic
- Color Coded Cases
- LED Logic Indicator
- 0-70°C Operating
- Optically Isolated

CE compliant EN60947

OAC Series, AC Output (Black Case)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Logic Input Voltage	Logic Input Impedance (Ω)	Field (Output) Voltage	Price Each 1	10	25	50
518-3404	I.O.-OAC-R0-280	E	4-28VDC	1500	12-280VAC	24.29	21.87	19.44	17.01
518-3405	I.O.-OAC-RA-280	E	90-280VAC	40,000	12-280VAC	27.72	24.95	22.18	19.40

ODC Series, DC Output (Red Case)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Logic Input Voltage	Logic Input Impedance (Ω)	Field (Output) Voltage	Price Each 1	10	25	50
518-3411	I.O.-ODC-R0-060	E	4-28VDC	1500	5-60VDC	23.49	21.15	18.80	16.45
518-3409	I.O.-ODC-RL-060	E	4-28VDC	1500	5-60VDC	25.56	23.00	20.45	17.89

RELAY ACCESSORIES

- Ten position jumper strips used to interconnect logic terminals, eliminating the need for small jumper wires. Plated and insulated. Can be cut to length.
- Thermal Transfer Pads are Die-cut to fit the base of our panel mount relays - an excellent replacement for thermal greases.
- DIN Rail mountable Heat Sinks are Drilled & Tapped to Fit Panel Mount Relays.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Description	Price Each 1	10	25	50
518-1401	I.O.-JUMPER-010	F	Ten position mini I/O jumper strip	5.18	4.98	4.67	4.35
518-1402	THERMAL-PAD-005	G	Set of 5 Thermal tranfer pads	4.00	3.60	3.36	3.18
518-1403	THERMAL-PAD-025	G	Set of 25 Thermal tranfer pads	20.00	18.00	16.80	15.90
518-1423	HEATSK-DIN-1.6	H	Heat Sink 1.6°C/W (for most 10-40 Amp applications)	14.95	13.46	12.65	11.89
518-1411	HEATSK-DIN-1.0	I	Heat Sink 1.0°C/W (for most 35-60 Amp applications)	19.60	17.64	16.58	15.59

DIMENSIONS (IN)

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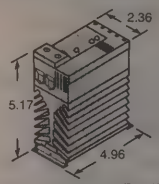

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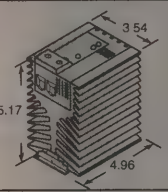

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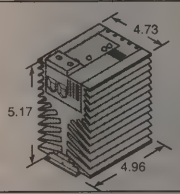

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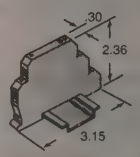

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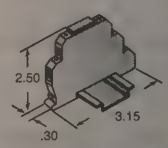

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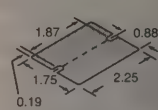

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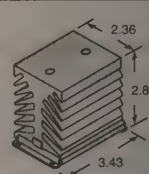

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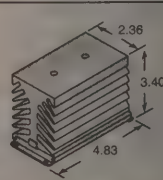
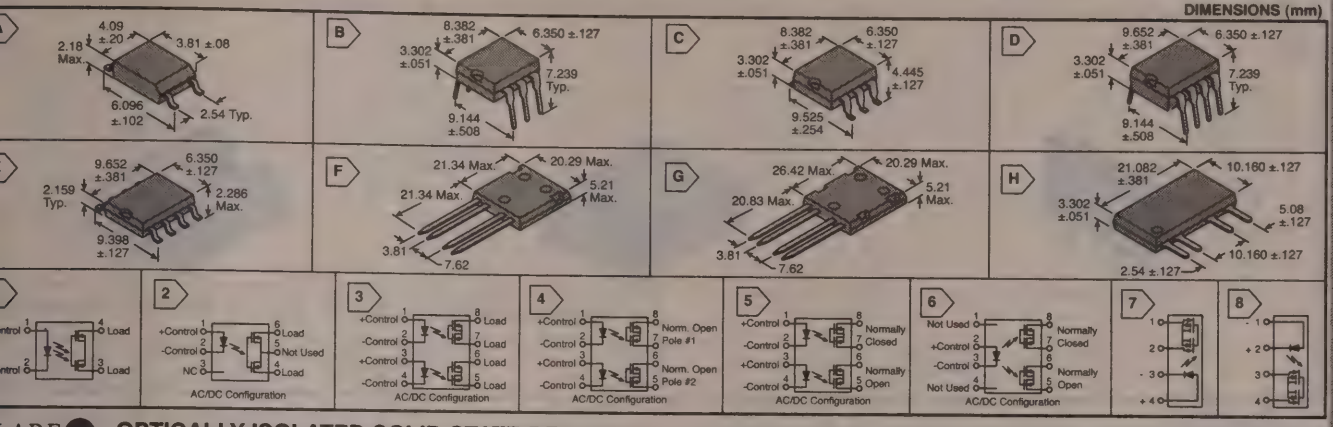


CLARE OptoMOS and Power Solid State Relays

CLARE An IXYS Company

DIMENSIONS (mm)



OPTICALLY ISOLATED SOLID STATE RELAYS

OptoMOS® line of solid state relays uses discrete semiconductor components and the patented OptoMOS tecture to deliver fast, reliable, bounce-free switching in a compact design. The small 4-pin SOP relays combine -of-the-art, double-molded, vertical-construction packaging with high performance to give you a reliable product. dual pole OptoMOS relays combine two independent relays into a single component. And, the common input MOS relays provide a design alternative where two independent outputs are driven by the same input signal.

Features:
- Low drive current
- High reliability
- Optically isolated I/O
- Operating Temp: -40° to 85°C
- Machine washable, wave solderable
- AC/DC switching

Applications:
- Telecommunications
- Datacommunications
- Electronic switching
- Industrial controls
- Medical equipment
- Security
- Instrumentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Clare Part No.	Fig.	Pin Conf	Load Voltage	Current Handling	On Resistance	Isolation Voltage	Input Control Current	Turn On/ Turn Off	Standard Package	Price Each 1	25	50
gle Pole Normally-Open: 1-Form-A													
-CPC1008N	CPC1008N	A	1	100	150 mA	8Ω	1500 Vrms	2 mA	2/0.5 ms	4 Pin SOP	1.69	1.43	1.17
-CPC1030N	CPC1030N	A	1	350	120 mA	30Ω	1500 Vrms	2 mA	2/1 ms	4 Pin SOP	2.24	1.90	1.56
-CPC1035N	CPC1035N	A	1	350	100 mA	35Ω	1500 Vrms	2 mA	2/1 ms	4 Pin SOP	1.95	1.65	1.35
-CPC1230N	CPC1230N	A	1	350	120 mA	30Ω	1500 Vrms	2 mA	2/1 ms	4 Pin SOP	2.60	2.20	1.80
-LCA110	LCA110	B	2	350	120 mA	35Ω	3750 Vrms	2 mA	3/3 ms	6 Pin DIP	2.31	1.96	1.66
-LCA110S	LCA110S	C	2	350	120 mA	35Ω	3750 Vrms	2 mA	3/3 ms	6 Pin DIP	2.34	1.98	1.62
-XCA170	XCA170	B	2	350	100 mA	50Ω	3750 Vrms	5 mA	5/5 ms	6 Pin DIP	2.44	2.07	1.69
-XCA170S	XCA170S	C	2	350	100 mA	50Ω	3750 Vrms	5 mA	5/5 ms	6 Pin DIP	2.47	2.09	1.71
-LCA120	LCA120	B	2	250	170 mA	20Ω	3750 Vrms	5 mA	5/5 ms	6 Pin DIP	3.45	2.92	2.39
-LCA120S	LCA120S	C	2	250	170 mA	20Ω	3750 Vrms	5 mA	5/5 ms	6 Pin DIP	3.48	2.94	2.41
-LCA710	LCA710	B	2	60	1000 mA	0.5Ω	3750 Vrms	10 mA	2.5/0.25 ms	6 Pin DIP	6.40	5.42	4.44
-LCA710S	LCA710S	C	2	60	1000 mA	0.5Ω	3750 Vrms	10 mA	2.5/0.25 ms	6 Pin DIP	6.40	5.42	4.44
-PLA110	PLA110	B	2	400	150 mA	22Ω	3750 Vrms	5 mA	1/0.25 ms	6 Pin DIP	4.19	3.55	2.91
-PLA110S	PLA110S	C	2	400	150 mA	22Ω	3750 Vrms	5 mA	1/0.25 ms	6 Pin DIP	4.23	3.58	2.93
-PLA140	PLA140	B	2	400	250 mA	8Ω	3750 Vrms	5 mA	3/1 ms	6 Pin DIP	5.27	4.46	3.65
-PLA140S	PLA140S	C	2	400	250 mA	8Ω	3750 Vrms	5 mA	3/1 ms	6 Pin DIP	5.30	4.49	3.67
-PLA160	PLA160	B	2	300	50 mA	100Ω	3750 Vrms	10 mA	0.05/0.05 ms	6 Pin DIP	4.26	3.60	2.95
-PLA192	PLA192	B	2	600	150 mA	22Ω	5000 Vrms	5 mA	5/5 ms	6 Pin DIP	4.81	4.07	3.33
-PLA193	PLA193	B	2	600	100 mA	50Ω	5000 Vrms	5 mA	5/5 ms	6 Pin DIP	4.10	3.47	2.84
-LCA182	LCA182	B	2	350	120 mA	35Ω	3750 Vrms	0.25 mA	3/3 ms	6 Pin DIP	2.80	2.37	1.94
gle Pole Normally Closed: 1-Form-B													
-CPC1135N	CPC1135N	A	1	350	120 mA	35Ω	1500 Vrms	1 mA	2/2 ms	4 Pin SOP	2.60	2.20	1.80
-LCB110	LCB110	B	2	350	120 mA	35Ω	3750 Vrms	5 mA	3/3 ms	6 Pin DIP	3.25	2.75	2.25
-LCB110S	LCB110S	C	2	350	120 mA	35Ω	3750 Vrms	5 mA	3/3 ms	6 Pin DIP	3.28	2.78	2.27
-LCB120	LCB120	B	2	250	170 mA	20Ω	3750 Vrms	5 mA	5/5 ms	6 Pin DIP	4.06	3.44	2.82
-LCB127	LCB127	B	2	250	200 mA	10Ω	3750 Vrms	5 mA	5/5 ms	6 Pin DIP	4.71	3.99	3.27
al Pole Normally-Open: 2-Form-A													
-PAA110	PAA110	D	3	400	150 mA	22Ω	3750 Vrms	5 mA	1/0.25 ms	8 Pin DIP	8.00	6.77	5.54
-PAA140	PAA140	D	3	400	250 mA	8Ω	3750 Vrms	5 mA	1.5/0.25 ms	8 Pin DIP	8.78	7.43	6.08
-LAA110P	LAA110P	E	3	350	120 mA	25Ω	3750 Vrms	5 mA	5/5 ms	8 Pin DIP	5.30	4.48	3.67
-LAA127P	LAA127P	E	3	250	200 mA	10Ω	3750 Vrms	5 mA	5/5 ms	8 Pin DIP	7.64	6.46	5.29
-OAA160	OAA160	D	4	25	50 mA	100Ω	3750 Vrms	3 mA	0.125/0.125 ms	8 Pin DIP	7.05	5.97	4.88
-PAA132	PAA132	D	3	50	600 mA	1Ω	3750 Vrms	5 mA	5/2 ms	8 Pin DIP	9.43	7.98	6.53
-PAA190	PAA190	D	3	400	150 mA	22Ω	5000 Vrms	5 mA	1/0.5 ms	8 Pin DIP	8.84	7.56	6.19
-PAA191	PAA191	D	3	400	250 mA	8Ω	5000 Vrms	5 mA	3/1 ms	8 Pin DIP	10.24	8.66	7.09
-PAA193	PAA193	D	3	600	100 mA	50Ω	5000 Vrms	5 mA	5/5 ms	6 Pin DIP	7.28	6.16	5.04
-LAA710	LAA710	D	3	60	1000 mA	0.5Ω	3750 Vrms	10 mA	2.5/0.25 ms	8 Pin DIP	13.46	11.39	9.32
al Combination: Form-A & B													
-LBA110	LBA110	D	5	350	120 mA	35Ω	3750 Vrms	5 mA	3/3 ms	8 Pin DIP	5.72	4.84	3.96
-LBA120	LBA120	D	5	250	170 mA	20Ω	3750 Vrms	5 mA	5/5 ms	8 Pin DIP	7.12	6.03	4.93
al Pole Normally Closed: 2-Form-B													
-LBB110	LBB110	D	3	350	120 mA	35Ω	3750 Vrms	5 mA	3/3 ms	8 Pin DIP	6.18	5.23	4.28
-XBB170	XBB170	D	3	350	100 mA	50Ω	3750 Vrms	5 mA	5/5 ms	8 Pin DIP	5.75	4.89	4.00
mmon Input: 1-Form-C													
-LCC110	LCC110	D	6	350	120 mA	35Ω	3750 Vrms	8 mA	4/4 ms	8 Pin DIP	5.14	4.35	3.56
-LCC110P	LCC110P	E	6	350	120 mA	35Ω	3750 Vrms	8 mA	4/4 ms	8 Pin DIP	5.17	4.37	3.58
-LCC120	LCC120	D	6	250	170 mA	20Ω	3750 Vrms	10 mA	5/5 ms	8 Pin DIP	6.57	5.56	4.55

POWER SOLID STATE RELAYS

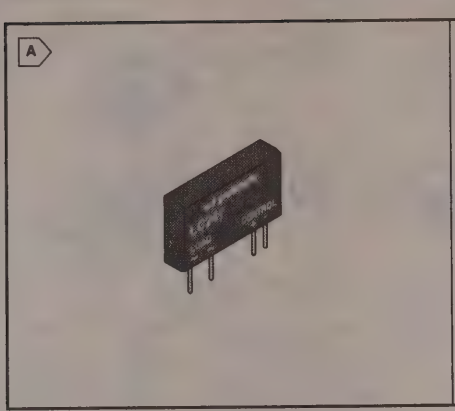
ew family of of normally open 1-Form-A solid state relays combines the best of both Clare and technology. The i4-PAC™ is a part of the IXYS family of iso PLUS packages and features a e process where silicon is soft soldered onto the Direct Copper Bond (DCB) substrate instead usual copper frame. The DCB ceramic not only provides 2500V isolation capability from the to the backside of the package but also enables a very low thermal resistance (0.45 K/W from n to heatsink) compared to conventional external mounted isolation material.

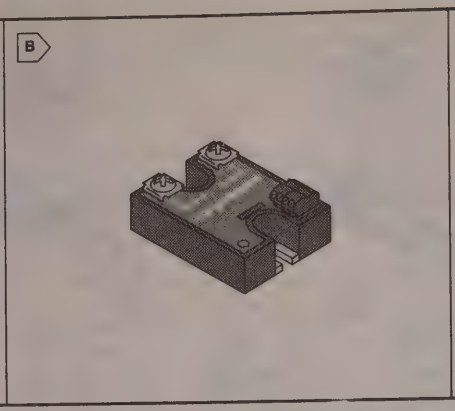
Features:
- Handles loads up to 10A (mS)
- Voltage Ratings up to 1000V
- Industry standard 4-Pin SIP Pkg
- Switching speed (on/off): 20/5
- Isolation Voltage - 2500V
- Input Control Current - 10mA

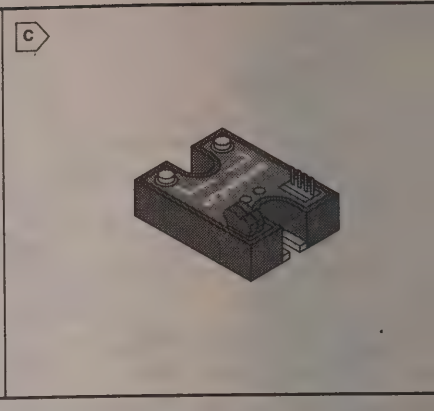
Applications:
- Consumer Appliances
- Test and Measurement equipment
- Industrial controls
- Medical Equipment
- Transportation equipment
- Robotics/Motor controls

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Clare Part No.	Fig.	Pin Conf	Function	Breakdown Voltage (V)	Current Handling	On Resistance	Standard Package	Price Each 1	25	50
-CPC1908J	CPC1908J	F	7	1 Form A	60	8 Arms	0.3Ω	i4-PAC	14.63	12.37	10.12
-CPC1977J	CPC1977J	F	7	1 Form A	600	4 Arms	1Ω	i4-PAC	17.65	14.93	12.21
-CPC1979J	CPC1979J	G	7	1 Form A	600	5 Arms	0.75Ω	iso PLUS-264	19.04	16.12	13.19
-CPC1978J	CPC1978J	F	7	1 Form A	800	2.5 Arms	2.3Ω	i4-PAC	14.11	11.94	9.77
-CPC1906Y	CPC1906Y	H	8	1 Form A	60	10.0 Arms	.01Ω	Power SIP	7.74	6.55	5.36







CRYDOM LC SERIES: SOLID STATE RELAY PCB MOUNT (1.5 AMP, 120/240 VAC - AC OUTPUT MINI-SIP)

The LC241 series is rated up to 1.5A (SPST-NO) and is designed for general purpose a.c. loads. In most applications a snubber is not required.

- Compact for high density PCB Mount
- Cost effective solution
- DC Control, AC Output

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Crydom Part Number	Fig.	Line Voltage (VAC)	Load Current Range (Arms)	Control Volt. (VDC)	Control Current 5 Vdc (mAdc)	Price Each 1	25	50	10
558-LC241	LC241	A	12-280	.025 - 1.5	4-10	15	6.63	6.32	6.15	6.
558-LC241R	LC241R	A	12-280	.025 - 1.5	4-10	15	6.63	6.32	6.15	6.

CRYDOM PC SERIES: PHASE CONTROL SOLID STATE RELAY, PANEL MOUNT (25-90AMP, 120/480 VAC - AC OUTPUT)

Proportional Controllers PC Series incorporate a complete phase-fired logic system and SSR to provide phase control function within industrial standard package.

- Output SCR AC Switching
- Angle firing load control
- Loads up to 90 Amps
- 0-100% Control range
- "E" means potentiometer control
- "C" means 0-10 Vdc control

For quantities of 500 and up, call for

MOUSER STOCK NO.	Crydom Part Number	Fig.	Line Voltage (Vrms)	Rated Current (Amps)	Analog Input	Price Each 1	25	50	10
558-MCPC1250E	MCPC1250E	B	12: 48-140	50	Potentiometer	70.83	67.46	64.39	62
558-MCPC1250C	MCPC1250C	B	12: 48-140	50	0-10Vdc	70.83	67.46	64.39	62
558-MCPC2425E	MCPC2425E	B	24: 180-280	25	Potentiometer	65.83	62.70	59.85	58
558-MCPC2425C	MCPC2425C	B	24: 180-280	25	0-10Vdc	65.83	62.70	59.85	58
558-MCPC4825E	MCPC4825E	B	48: 330-530	25	Potentiometer	75.00	71.43	68.18	66
558-MCPC4825C	MCPC4825C	B	48: 330-530	25	0-10Vdc	75.00	71.43	68.18	66

CRYDOM ST SERIES: SOFT START SOLID STATE RELAYS, PANEL MOUNT (25-90AMP, 120/480 VAC - AC OUTPUT)

This family of relays is designed to provide surge-reducing switching soft-start functions for any type of load which benefits from a gradual application or released or both of supply voltage.

- Output SCR AC Switching
- Soft-Start
- LED Status Indicator
- Internal Snubber
- Microcontroller based
- Two Different Ranges
- "E" means potentiometer control
- "C" means 0-10 Vdc adjustment
- "S" means delay range is 0.1 to 1.0 seconds
- "M" means delay range is 1.0 to 10.0 seconds

For quantities of 500 and up, call for

MOUSER STOCK NO.	Crydom Part Number	Fig.	Line Voltage (Vrms)	Rated Current (Amps)	Analog Input	Price Each 1	25	50	1
558-MCST1250ES	MCST1250ES	B	12: 90-140	50	Potentiometer	70.83	67.46	64.39	62
558-MCST1250CM	MCST1250CM	B	12: 90-140	50	0-10Vdc	70.83	67.46	64.39	62
558-MCST2425ES	MCST2425ES	B	24: 180-280	25	Potentiometer	65.83	62.70	59.85	58
558-MCST2425CM	MCST2425CM	B	24: 180-280	25	0-10Vdc	65.83	62.70	59.85	58
558-MCST4825ES	MCST4825ES	B	48: 300-550	25	Potentiometer	71.67	68.25	65.15	63
558-MCST4825CM	MCST4825CM	B	48: 300-550	25	0-10Vdc	75.00	71.43	68.18	66

CRYDOM TC SERIES: TEMPERATURE CONTROLLER SOLID STATE RELAYS, PANEL MOUNT (25-90AMP, 120/480 VAC - AC OUTPUT)

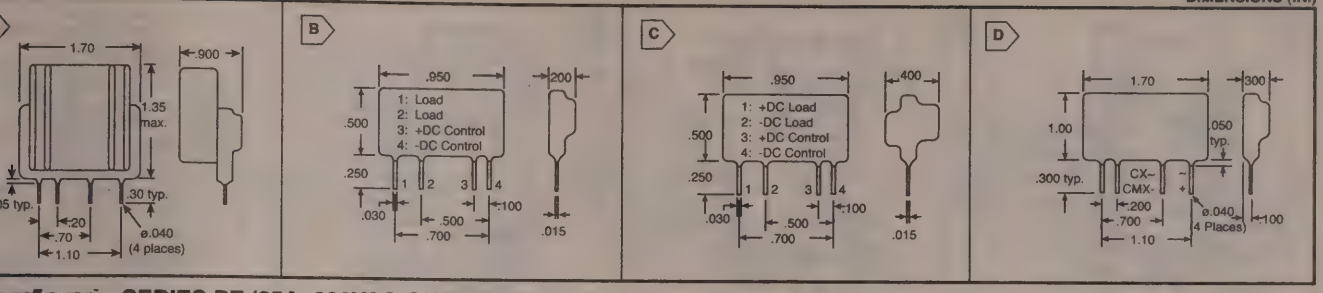
Temperature controller is a state of the art microcontroller based Silicon Controlled Rectified(SCR) that is intended for controlling industrial heaters.

- Output SCR AC Switching
- Temperature Controller
- Thermocouple J or K
- Proportional Derivative
- Provides longer heater life
- Burst Firing feature

For quantities of 500 and up, call for

MOUSER STOCK NO.	Crydom Part Number	Fig.	Line Voltage (Vrms)	Rated Current (Amps)	Analog Input	Price Each 1	25	50	1
558-MCTC2425JLC	MCTC2425JLC	C	24: 24-280	25	0-10Vdc	86.67	82.54	78.79	76
558-MCTC2425KHD	MCTC2425KHD	C	24: 24-280	25	4-20mA	86.67	82.54	78.79	76
558-MCTC2450JLC	MCTC2450JLC	C	24: 24-280	50	0-10Vdc	95.00	90.48	86.36	83
558-MCTC2450KHD	MCTC2450KHD	C	24: 24-280	50	4-20mA	95.00	90.48	86.36	83
558-MCTC4825JLC	MCTC4825JLC	C	48: 48-530	25	0-10Vdc	91.67	87.30	83.33	80
558-MCTC4825KHD	MCTC4825KHD	C	48: 48-530	25	4-20mA	91.67	87.30	83.33	80

DIMENSIONS (IN.)



ydom SERIES PF (25A, 280VAC OUTPUT, MINI-SIP)

n's PowerFin™ series delivers the highest ratings of any single in-line package The integral heat sink design can operate at 25 amps RMS in forced air at case temp. With natural convection in free air, it rates 10 amps RMS at 25° C nt. Built-in advantages include Surface Mount Technology and SCR output.

actured in Crydom's ISO 9001 Certified facility for optimum product nance and reliability.

Features:
- Ultra High Steady State Current Rating
- SCR Output
- DC Control

Specifications:
- Operating temp. range: -30°C to 80°C
- Isolation voltage: 4000Vrms
- Must Release Voltage: 1.0VDC

5902 UG E116949

MOUSER TOCK NO.	Crydom Part No.	Fig.	Line Voltage (VAC)	Load Current Range (Arms)	Control Voltage (VDC)	Control Current @5VDC (mA)	Control Current @24VDC (mA)	Price Each 1	10	25	50	100+
PF240D25	PF240D25	A	12-280	.06-25	3-15	15	- - -	17.33	16.51	15.76	15.29	Call
PF240D25R	PF240D25R	A	12-280	.06-25	3-15	15	- - -	17.33	16.51	15.76	15.29	

ydom SERIES AO/ASO (1-2A, AC MINI-SIP)

dels offer Triac output, ASO models are SCR output. The AO241 (R) are rated up to 1.0A, O241(R) up to 1.5A SPST-NO, and the ASO242(R) up to 2.0A. ASO models are designed tching highly inductive, low current loads such as solenoids. Available in either zero voltage om switching (R) versions.

actured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.

Features:
- Triac (AO) or SCR (ASO) Output
- DC Control, AC Output

Specifications:
- Operating temp. range: -30°C to 80°C
- Isolation voltage: 2500Vrms

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MOUSER TOCK NO.	Crydom Part No.	Fig.	Line Voltage (VAC)	Load Current Range (Arms)	Control Voltage (VDC)	Control Current @5VDC (mA)	Must Release Voltage (VDC)	Price Each 1	10	25	50	100+
AO241	AO241	B	24-280	.025-1.0	4-10	15	1.0	7.82	7.44	7.11	6.90	Call for Quote
AO241R*	AO241R	B	24-280	.025-1.0	4-10	15	1.0	7.82	7.45	7.11	6.90	
ASO241	ASO241	B	12-280	.025-1.5	4-10	15	1.0	7.82	7.45	7.11	6.90	
ASO242	ASO242	B	12-280	0.6-2.0	4-10	15	1.0	9.40	8.96	8.55	8.30	
ASO242R*	ASO242R	B	12-280	0.6-2.0	4-10	15	1.0	9.40	8.96	8.55	8.30	

ffix indicates random turn-on

ydom SERIES DO/DMO (1-3A, DC MINI-SIP)

NO DC output relays in epoxy coated packages utilize the popular .10" d spacing. They are available with either bipolar transistor output (DO), DMO063 with MOSFET output rated at 3A/60 VDC.

actured in Crydom's ISO 9001 Certified facility for optimum product nance and reliability.

Features:
- Bipolar (DO) or MOSFET (DMO) Output
- DC Control, DC Output

Specifications:
- Operating temp. range: -30°C to 80°C
- Isolation voltage: 2500Vrms, 4000Vrms (DO)

MOUSER TOCK NO.	Crydom Part No.	Fig.	Line Voltage (VDC)	Load Current Range (ADC)	Control Voltage (VDC)	Control Current @5VDC (mA)	Must Release Voltage (VDC)	Price Each 1	10	25	50	100+
DO061A	DO061A	C	3-60	.02-1.0	3-9	15	1.0	7.07	6.73	6.43	6.24	Call for Quote
DO061B	DO061B	C	3-60	.02-1.0	1.7-9	15	0.8	7.07	6.73	6.43	6.24	
DMO063	DMO063	B	0-60	0-3.0	3-10	20	1.0	13.77	13.12	12.52	12.15	

ydom SERIES CX (5A, AC SIP)

n's family of SPST-NO relays achieves the highest power switching capability in a PC-mounted ed package. Advanced features include exceptional steady state current, plus ultra-high surge Models are available to switch up to 669 Vrms with AC or DC control, and either zero-cross om turn-on (R) switching versions. Pinout is compatible with OAC type I/O modules.

actured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.

Features:
- SCR Output
- Ultra High Surge Rating
- Patented Design

Specifications:
- Operating temp. range: -30°C to 80°C
- Isolation voltage: 4000Vrms

5902 UG LR81689 E116949

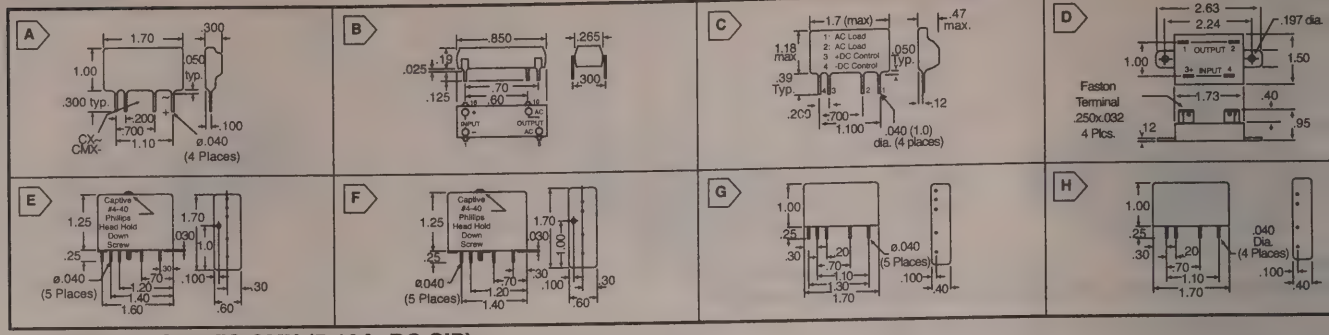
ffix indicates random turn-on.

MOUSER TOCK NO.	Crydom Part No.	Fig.	Line Voltage	Load Current Range	Control Voltage	Control Current		Price Each 1	10	25	50	100+
nput			(VAC)	(ADC)	(VDC)	@5VDC(mA)	@24VDC(mA)					
CX240D5	CX240D5	D	12-280	.06-5.0	3-15	15	- - -	9.49	9.04	8.63	8.37	Call for Quote
CX240D5R*	CX240D5R	D	12-280	.06-5.0	3-15			9.49	9.04	8.63	8.37	
CXE240D5	CXE240D5	D	12-280	.06-5.0	15-32	- - -	15.0	9.49	9.04	8.63	8.37	
CX380D5	CX380D5	D	48-530	.06-5.0	4-15	15	- - -	12.11	11.53	11.00	10.68	
CXE380D5	CXE380D5	D	48-530	.06-5.0	15-32	- - -	15.0	12.11	11.53	11.00	10.68	
CX480D5	CX480D5	D	48-660	.06-5.0	4-15	15	- - -	13.30	12.66	12.09	11.73	
nput			(VAC)	(Arms)	(VAC)	@120VAC(mA)	@24VAC(mA)					
CXE240A5	CXE240A5	D	12-280	.06-5.0	18-36	- - -	5.0	10.61	10.11	9.65	9.37	Call

CRYDOM Solid State Relays and I/O Modules

crydom

DIMENSIONS (



crydom SERIES CMX (5-10A, DC SIP)

Features:
- MOSFET Output
- Extra Low On-State Resistance
- Printed Circuit Board Mounting

Specifications:
- Operating temp. range: -30°C to 80°C
- Isolation voltage: 2500Vrms

†E1169

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage (VDC)	Load Current Range (ADC)	Control Voltage (VDC)	Control Current @5VDC (mA)	Must Release Voltage (VDC)	Price Each 1	10	25	50	100
558-CMX60D5	CMX60D5	A	0-60	0-5	3/9	15	1.0	21.14	20.13	19.22	18.65	Ca
†558-CMX60D10	CMX60D10	A	0-60	0-10	3/9	15	1.0	26.05	24.81	23.68	22.99	

crydom SERIES DPA, SDV (1-1.5A, 240V SCR OUTPUT)

Features:
- 16 Pin DIP Package
- Voltage or Current Operated Versions
- High Packaging Density

Specifications:
- Operating temp. range: -30°C to 80°C
- Isolation voltage: 3750Vrms

LR81689 E116949

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage (VAC)	Load Current Range (Arms)	Control Voltage (VDC)	Control Current Range (mA)	Control Current @5VDC (mAdc)	Price Each 1	10	25	50	100
558-DPA4111	DPA4111	B	20-140	.01-1.0	- - -	10 to 50	15	7.50	7.14	6.82	6.62	
558-DPA4119	DPA4119	B	20-140	.01-1.0	3.5-10	- - -	15	7.50	7.14	6.82	6.62	Ca
558-DPA6111	DPA6111	B	20-280	.01-1.0	- - -	10 to 50	15	7.50	7.14	6.82	6.62	fo
558-DPA6119	DPA6119	B	20-280	.01-1.0	3.5-10	- - -	15	7.50	7.14	6.82	6.62	Qu
558-SDV2415	SDV2415	B	12-280	.01-1.5	3.5-10	- - -	15	8.00	7.62	7.27	7.06	

crydom SERIES D2W (2-3.5 AMPS, 120/240 VAC, AC OUTPUT SIP)

Features:
- Triac Output
- Printed Circuit Board Mount
- Internal Snubber
- Zero Voltage Switching

Specifications:
- Operating temp. range: -30°C to 80°C
- Isolation voltage: 2500Vrms

LR81689 E116949

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage (VAC)	Load Current Range (Arms)	Control Voltage (VDC)	Control Current @5VDC (mAdc)	Must Release Voltage (VDC)	Price Each 1	10	25	50	100
558-D2W202F	D2W202F	C	24-280	.06-2.0	3-32	3.0	1.0	7.63	7.27	6.94	6.73	Ca
558-D2W203F	D2W203F	C	24-280	.06-3.0	3-32	3.0	1.0	8.09	7.70	7.35	7.14	fo
558-D2W203F-11	D2W203F-11	C	24-280	.06-3.5	3-32	3.0	1.0	8.56	8.15	7.78	7.55	Qu

crydom SERIES EZ (5-18 AMP, 120/240, 480 VAC, AC OUTPUT)

Features:
- Low Leakage
- Quick Connect Terminals
- SCR Output

Specifications:
- Operating temp. range: -30°C to 80°C
- Isolation voltage: 4000Vrms

LR81689 E116949

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage (VAC)	Load Current Range (Arms)	Control Voltage (VDC)	Control Current @5VDC (mAdc)	Must Release Voltage (VDC)	Price Each 1	10	25	50	100
558-EZ240D12	EZ240D12	D	24-280	.15-12	3-15	15	1.0	14.33	13.65	13.03	12.65	Ca
558-EZ240D18	EZ240D18	D	24-280	.15-18	3-15	15	1.0	18.42	17.54	16.75	16.25	fo
558-EZ240D18R	EZ240D18R	D	24-280	.15-18	3-15	15	1.0	19.07	18.15	16.75	16.25	Qu
558-EZ240A18S	EZ240A18S	D	24-280	.15-18	90-140	10	10	20.02	19.06	18.20	17.66	

crydom SERIES IAC/IDC, OAC/ODC, 5VDC SOLID STATE OPTO-ISOLATED I/O MODULES

LR81689 E116

For quantities of 100 and up, call for q

MOUSER STOCK NO.	Crydom Part No.	Fig.	Voltage Type	Color	Input Specifications: Voltage Range	Input Specifications: Typical Current (max.)	Output Specifications: Load Current Overload Voltage Range	Output Specifications: Maximum Turn-on and Turn-off Time	Output Specifications: Switching Type	Price Each 1	10	25	5
Standard Pack													
558-IAC5	IAC5	E	AC or DC input	Yellow	90-140VAC	8mA	.1-100mA @ .4-30VDC	20ms	Random	6.67	6.35	6.06	5.8
558-IDC5	IDC5	E	DC input	White	10-36VDC	10mA	.1-100mA @ .4-30VDC	5ms	Random	6.67	6.35	6.06	5.8
558-OAC5	OAC5	F	AC output	Black	3-6VDC	22mA	.02-3A @ 12-140VAC	1/2 cycle	Zero	6.67	6.35	6.06	5.8
558-OAC5A	OAC5A	F	AC output	Black	3-6VDC	22mA	.02-3A @ 24-280VAC	1/2 cycle	Zero	6.67	6.35	6.06	5.8
558-ODC5	ODC5	F	DC output	Red	3-6VDC	18mA	.02-3A @ 5-60VDC	0.3ms	Random	6.67	6.35	6.06	5.8
Mini-Pack													
558-MIAC5	MIAC5	G	AC or DC input	Yellow	90-140VAC	8mA	.1-100mA @ .4-30VDC	20ms	Random	6.67	6.35	6.06	5.8
558-MIDC5	MIDC5	G	DC input	White	10-36VDC	10mA	.1-100mA @ .4-30VDC	5ms	Random	6.67	6.35	6.06	5.8
558-MOAC5	MOAC5	H	AC output	Black	3-6VDC	22mA	.02-3A @ 12-140VAC	1/2 cycle	Zero	6.67	6.35	6.06	5.8
558-MOAC5A	MOAC5A	H	AC output	Black	3-6VDC	22mA	.02-3A @ 24-280VAC	1/2 cycle	Zero	6.67	6.35	6.06	5.8
558-MODC5	MODC5	H	DC output	Red	3-6VDC	18mA	.02-3A @ 5-60VDC	0.3ms	Random	6.67	6.35	6.06	5.8

crydom SERIES PB I/O MODULES MOUNTING BOARDS

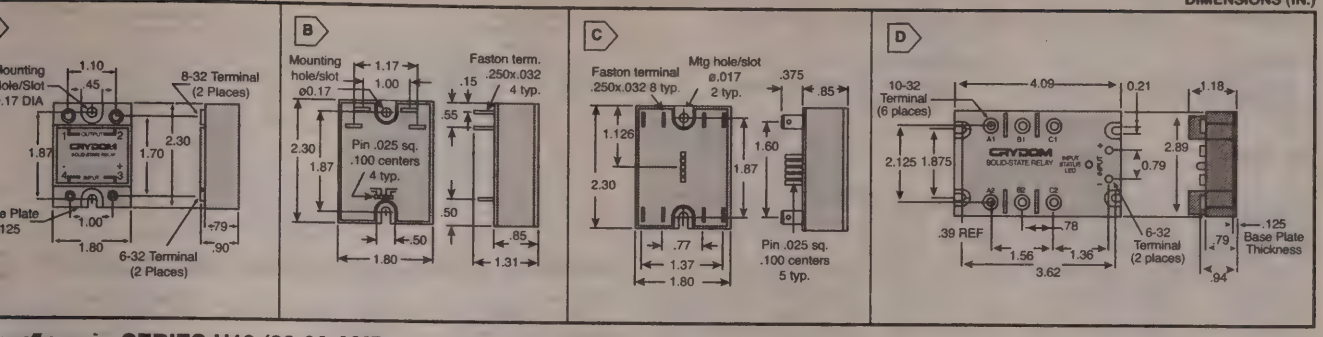
MOUSER STOCK NO.	Crydom Part No.	Price Each 1	10	25	50
558-PB-4	PB-4	33.36	31.77	30.32	29.43

This mounting board accepts standard I/O modules in any combination of input or output types. Modules are easily and quickly inserted without disturbing field wiring. Features include; LED status indicator, plug-in 5 amp fuse, and a 3.3KΩ pull-up resistor for each module. Module positions, input/output channels: 4

MOUSER ELECTRONICS a tti company

(800) 346-6873

DIMENSIONS (IN.)



SERIES H12 (28-90 AMP, 40 VAC, AC OUTPUT)

voltage relays use IC driven circuits for switching loads up to AC. All Models come with 1200 Volts Blocking.

H12WD is a snubberless (reduced leakage current).

factured in Crydom's ISO 9001 Certified facility for optimum ct performance and reliability.

Features:
- 1200 Volt Blocking
- Panel Mount
- Up to 660 Vac
- Zero Voltage Switching and Random Turn-off
- SCR Output

Specifications:
- Operating temp. range: -30°C to 80°C
- Isolation voltage: 4000Vrms

10143UG LR81689 E116949

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage (VAC)	Load Current Range (Arms)	Control Voltage (VDC)	Control Current @ 5VDC (mA)	Must Release Voltage (VDC)	Price Each 1	10	25	50
H12WD4850	H12WD4850	A	48-660	.04-50	4-32	15	1.0	37.45	35.67	34.05	33.04
H12WD4890	H12WD4890	A	48-660	.04-90	4-32	15	1.0	48.77	46.45	44.34	43.03
H12D4850	H12D4850	A	48-530	.04-50	4-32	15	1.0	37.46	35.67	34.05	33.05
H12D4890	H12D4890	A	48-530	.04-90	4-32	15	1.0	46.02	43.83	41.83	40.60

SERIES PCV ANALOG INPUT POWER CONTROLLER (15-90 AMP, 120/240, 480VAC, AC OUTPUT)

CV Series proportional controllers are self contained power l modules integrating a complete phase fired logic control n and a solid state relay in the same standard package. al applications include heaters, vibratory feeders and en lamps.

factured in Crydom's ISO 9001 Certified facility for optimum ct performance and reliability.

Features:
- Operates at 60 Hz & 50 Hz
- Internal Snubber
- Industry Standard Package
- Control Circuit Requires No Adjustment or Calibration

Specifications:
- Operating temp. range: -30°C to 80°C
- Isolation voltage: 2500Vrms

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage (VAC)	Load Current Range (VAC)	Control Voltage (VDC)	Control Current @ 5VDC (mA)	Must Release Voltage (VDC)	Price Each 1	10	25	50
10PCV2415	10PCV2415	A	100-240	.15-15	2-10	4.0	1.0	68.42	65.16	62.20	60.37
10PCV2425	10PCV2425	A	100-240	.15-25	2-10	4.0	1.0	75.79	72.18	68.90	66.87

DUAL RELAYS AND QUAD RELAYS

tally independent AC output relays come in a single standard panel-mount package. Utilizing switch output with internal snubber, relays provide greater protection against false triggering.

ndependent AC output relays come in a single standard panel-mount package. Utilizing an AC output with internal snubber, relays provide greater protection against false triggering.

actured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.

Features:
- Industry Standard Package
- Zero Voltage Switching

Specifications:
- Operating temp. range: -40°C to 80°C
- Isolation voltage: 4000Vrms (dual) 2500Vms (quad)

10143UG LR81689 E116949

dom Turn-On, Phase Controllable

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage	Load Current Range	Control Voltage	Control Current (mA)	Must Release Voltage	Price Each 1	10	25	50
	• SCR Output										
D2425D	D2425D	B	24-280	.15-25	4-15	15	1.0	49.88	47.50	45.34	44.01
D2440D	D2440D	B	24-280	.15-40	4-15	15	1.0	56.49	53.80	51.36	49.85
D2440D-10	D2440D-10	B	24-280	.15-40	4-15	15	1.0	56.49	53.80	51.36	49.85
d	• Triac Output	• UL Recognized Only									
TD2420Q	TD2420Q	C	24-280	.15-20	4-15	15	1.0	78.74	74.99	71.58	69.47

SERIES 53TP (25-30 AMP, 240-480 VAC, 3 PHASE)

phase solid state relays switch up to 530 Vrms directly to loads such as , transformers, heating elements, etc. Available with either AC or DC coil) control in zero-voltage or random turn-on switching versions.

actured in Crydom's ISO 9001 Certified facility for optimum product mance and reliability.

Features:
- SCR Output
- LED Status Indicator
- Panel Mount

Specifications:
- Operating temp. range: -40°C to 80°C
- Isolation voltage: 4000Vrms

10143UG LR81689 E116949

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage (VAC)	Load Current Range (Arms)	Control Voltage	Control Current (mA)	Must Release Voltage	Price Each 1	10	25	50
ontrol											
53TP25D	D53TP25D	D	48-530	.05-25	3-32 VDC	10 @5VDC	1.0VDC	108.42	103.26	98.56	95.67
53TP50D	D53TP50D	D	48-530	.05-50	3-32 VDC	10 @5VDC	1.0VDC	118.65	113.00	107.86	104.69
ontrol											
A53TP25D	A53TP25D	D	48-530	.05-25	90-280 VAC	2.2 @120Vrms	10VAC	113.07	107.69	102.79	99.77

CRYDOM Solid State Relays

crydom SERIES 1 (10-125A,120/240VAC OUTPUT)

Features:
- Output - SCR AC Switch
- Zero Voltage and Random Turn-On Switching
- Panel Mount
- Internal Snubber

Specifications:
- Operating temp. range: -40°C to 80°C
- Isolation voltage: 4000Vrms

10143UG LR81689 E116949

DC Control
- Control Voltage: 3-32 VDC
- Control Current: 3.4mA @ 5VDC

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage (VAC)	Load Current Range (Arms)	Must Release Voltage	Price Each 1	10	25	50
558-D1202	D1202	24-140	.04-2.0	1 VDC	18.14	17.28	16.49	16.01
558-D1210	D1210	24-140	.04-10	1 VDC	26.81	25.53	24.37	23.65
558-D1225	D1225	24-140	.04-25	1 VDC	27.18	25.88	24.70	23.98
558-D1240	D1240	24-140	.04-40	1 VDC	29.60	28.19	26.91	26.11
558-D2402	D2402	48-280	.04-2.0	1 VDC	18.25	17.38	16.59	16.10
558-D2410	D2410	48-280	.04-10	1 VDC	27.46	26.15	24.96	24.23
558-D2425	D2425	48-280	.04-25	1 VDC	27.74	26.42	25.22	24.47
*558-D2425-10	D2425-10	48-280	.04-25	1 VDC	27.74	26.42	25.22	24.47
558-D2440	D2440	48-280	.04-40	1 VDC	31.37	29.87	28.52	27.68
*558-D2440-10	D2440-10	48-280	.04-40	1 VDC	31.37	29.87	28.52	27.68
558-D2450	D2450	48-280	.04-50	1 VDC	32.39	30.84	29.44	28.58
*558-D2450-10	D2450-10	48-280	.04-50	1 VDC	32.39	30.84	29.44	28.58
558-D2475	D2475	48-280	.04-75	1 VDC	51.74	49.27	47.03	45.65
558-D2490	D2490	48-280	.04-90	1 VDC	56.95	54.24	51.77	50.25
558-D4825	D4825	80-530	.04-25	1 VDC	35.37	33.68	32.15	31.21
558-D4840	D4840	80-530	.04-40	1 VDC	39.27	37.40	35.70	34.65
558-D4850	D4850	80-530	.04-50	1 VDC	39.27	37.40	35.70	34.65
558-D4875	D4875	80-530	.04-75	1 VDC	62.72	59.73	57.02	55.34

* Non-zero cross, phase controllable

AC Control
- Control Voltage: 90-280 VAC
- Control Current: 2mA @ 120VAC

558-A1225	A1225	24-140	.04-25	10 VAC	28.18	26.83	25.61	24.86
558-A1240	A1240	24-140	.04-40	10 VAC	31.18	29.69	28.34	27.51
558-A2410	A2410	48-280	.04-10	10 VAC	29.04	27.65	26.40	25.62
558-A2425	A2425	48-280	.04-25	10 VAC	29.60	28.19	26.91	26.11
558-A2440	A2440	48-280	.04-40	10 VAC	32.67	31.11	29.70	28.82
558-A2450	A2450	48-280	.04-50	10 VAC	33.51	31.91	30.46	29.57
558-A2475	A2475	48-280	.04-75	10 VAC	53.98	51.41	49.07	47.63
558-A4850	A4850	80-530	.04-50	10 VAC	42.88	40.84	38.98	37.84
558-A4875	A4875	80-530	.04-75	10 VAC	63.85	60.81	58.05	56.34

crydom SERIES T (TRIAC OUTPUT, 5-25 AMP AC OUTPUT)

Features:
- Zero Voltage Switching
- AC and DC control

Specifications:
- Operating temp. range: -30°C to 80°C
- Isolation voltage: 4000Vrms

10143UG LR81689 E116949

DC Control
- Line Voltage VAC
- Control Voltage: 3-32 VDC
- Control Current: 2.2mA @ 5VDC

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current Range (ADC)	Must Release Voltage	Price Each 1	10	25	50
558-TD1210	TD1210	24-140	.05-10	1 VDC	26.79	25.51	24.35	23.64
558-TD1225	TD1225	24-140	.05-25	1 VDC	27.18	25.88	24.70	23.98
558-TD2425	TD2425	48-280	.05-25	1 VDC	27.74	26.42	25.22	24.47

AC Control
- Line Voltage VAC
- Control Voltage: 90-280 Vrms
- Control Current: 2.0mA @ 120VAC

558-TA2425	TA2425	48-280	.05-25	10 Vrms	29.60	28.19	26.91	26.11

crydom SERIES CS (10-90 AMP, 120/240 VAC, AC OUTPUT)

Features:
- Low Leakage
- SCR Output
- Panel Mount
- Zero Voltage Switching

Specifications:
- Operating temp. range: -40°C to 80°C
- Isolation voltage: 4000Vrms

10143UG LR81689 E116949

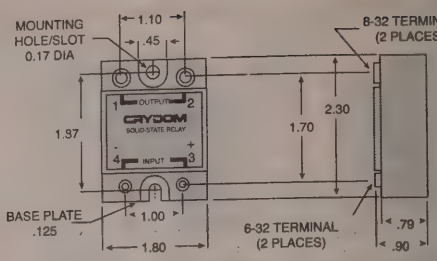
DC Control
- Line Voltage VAC
- Control Current: 15mA @ 5VDC
- Control Voltage: 3.5-15 VDC

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current Range (Arms)	Must Release Voltage	Price Each 1	10	25	50
558-CSD2410	CSD2410	24-280	.15-10	1 VDC	22.07	21.02	20.06	19.47
558-CSD2450	CSD2450	24-280	.15-50	1 VDC	31.74	30.23	28.85	28.00

DC Control
- Line Voltage VAC
- Control Voltage: 15-32 VDC
- Control Current: 7mA @ 15V

558-CSE2425	CSE2425	24-280	.15-25	1 VDC	27.00	25.71	24.55	23.82



DIMENSIONS (

crydom SERIES DC60 (3-7 AMP, 60VDC OUTPUT)

Features:
- Output - DC, Bipolar
- Input - DC of AC Control
- Cost-effective
- Panel Mount

Specifications:
- Operating temp. range: -30°C to
- Isolation voltage: 4000Vrms

DC Control
- Line Voltage VDC
- Control Voltage: 3.5-32 VDC
- Control Current: 2.2mA @ 5V

For quantities of 100 and up, call for q

MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current Range (ADC)	Must Release Voltage	Price Each 1	10	25	
558-DC60S3	DC60S3	3-60	.02-3	1 VDC	11.91	11.35	10.83	10
558-DC60S5	DC60S5	3-60	.02-5	1 VDC	18.70	17.81	17.00	16
558-DC60S7	DC60S7	3-60	.02-7	1 VDC	23.35	22.24	21.23	20

AC Control
- Line Voltage VDC
- Control Voltage: 90-280 VAC
- Control Current: 2.0mA @ 12

558-DC60SA3	DC60SA3	3-60	.02-3	10 VAC	13.77	13.12	12.52	12

crydom SERIES 1-DC (7-40A, DC OUTPUT 100-400 VD

Features:
- Output - DC, MOSFET
- Input - DC Control
- Low On-state Resistance
- Paralleling Capability
- Panel Mount

Specifications:
- Operating temp. range: -30°C to 80°C
- Isolation voltage: 2500Vrms

E116949

DC Control
- Control Voltage: 3.5-32 VDC
- Control Current: 1.6mA

For quantities of 100 and up, call for q

MOUSER STOCK NO.	Crydom Part No.	Line Voltage (VDC)	Load Current Range (ADC)	Must Release Voltage	Price Each 1	10	25	
† 558-D1D07	D1D07	0-100	.02-7	1 VDC	39.65	37.76	36.04	3
† 558-D1D12	D1D12	0-100	.02-12	1 VDC	43.82	41.74	39.84	3
† 558-D1D20	D1D20	0-100	.02-20	1 VDC	48.02	45.73	43.65	4
† 558-D1D40	D1D40	0-100	.02-40	1 VDC	59.65	56.81	54.23	5
558-D2D07	D2D07	0-200	.02-7	1 VDC	45.79	43.61	41.63	4
558-D2D12	D2D12	0-200	.02-12	1 VDC	52.77	50.26	47.97	4
558-D4D07	D4D07	0-400	.02-7	1 VDC	53.79	51.23	48.90	4

crydom SERIES HD/HA (25-90A, 480 VAC OUTPUT)

Features:
- Output - SCR AC Switch
- Zero Voltage Switching
- 1200 Volt Blocking
- Panel Mount

Specifications:
- Operating temp. range: -40°C to 80°C
- Isolation voltage: 4000Vrms

10143UG LR81689 E11

DC Control
- Control Current: 2mA @ 5VDC
- Control Voltage: 3-32 VDC

For quantities of 100 and up, call for

MOUSER STOCK NO.	Crydom Part No.	Line Voltage (VAC)	Load Current Range (Arms)	Must Release Voltage	Price Each 1	10	25	
558-HD4825	HD4825	48-530	.04-25	1 VDC	35.37	33.68	32.15	3
558-HD4850	HD4850	48-530	.04-50	1 VDC	39.26	37.39	35.69	3
558-HD4890	HD4890	48-530	.04-90	1 VDC	63.65	60.62	57.86	5

AC Control
- Control Voltage: 90-280 VAC
- Control Current: 2mA @ 120VAC

558-HA4825	HA4825	48-530	.04-25	10 VAC	38.35	36.52	34.86	3
558-HA4890	HA4890	48-530	.04-90	10 VAC	66.63	63.46	60.57	5

crydom SERIES NTD (10-25A, 120/240VAC OUTPUT)

Features:
- Output - SCR AC Switch
- Zero Voltage Switching
- 1200 Volt Blocking
- Panel Mount

Specifications:
- Operating temp. range: -40°C to 80°C
- Isolation voltage: 4000Vrms

E11

- Control Voltage: 3-32 VDC
- Control Current: 9mA @ 5VDC

For quantities of 100 and up, call for

MOUSER STOCK NO.	Crydom Part No.	Line Voltage (VAC)	Load Current Range (Arms)	Must Release Voltage	Price Each 1	10	25	
558-NTD2425	NTD2425	24-280	.15-25	1 VDC	20.90	19.90	19.00	1

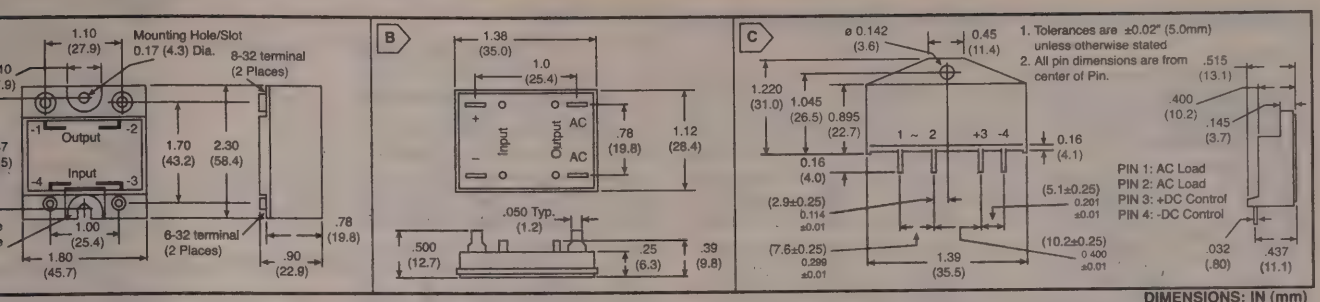
crydom PROTECTIVE COVERS

For quantities of 100 and up, call for

MOUSER STOCK NO.	Crydom Part No.	Description	Price Each 1	10	25	
558-KS-100	KS-100	1 Series Pkgs.	2.46	2.34	2.23	2

crydom HEATSINKS

558-HS-2	HS-2	Up to 25A	11.18	10.64	10.16	9
558-HE54	HE-54	Up to 50A	11.18	10.64	10.16	9



DIMENSIONS: IN (mm)

ydom SERIES D06D (0-60 VDC DC OUTPUT)

out relays feature MOSFET technology for low on-state resistance, assuring aralleling and switching capabilities to 100 amps at 60 Vdc. Lower current are also available to 500 Vdc. All models come in Crydom's standard panel- package.

Features:
- MOSFET Output
- Low On-State Resistance
- High Current Ratings
- Panel Mount

Specification:
- Switching Voltage Mode: DC
- Min. load current: 5mA
- Min. turn off voltage: 1 VDC
- Control Voltage Range: 3.5-32 VDC

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Turn On	Load Current Max.	Load Current Units	Load Voltage Min	Load Voltage Max	Load Voltage Units	Price Each 1	10	25	50
006D60	D06D60	A	N/A	60	Amps DC	0	60	Volts DC	66.84	63.66	60.77	58.98
006D80	D06D80	A	N/A	80	Amps DC	0	60	Volts DC	84.12	80.12	76.48	74.23
006D100	D06D100	A	N/A	100	Amps DC	0	60	Volts DC	106.05	101.00	96.41	93.58

ydom SERIES LR (25-40 AMP, 120/240/480 VAC, AC OUTPUT)

ures:
Control, AC Output
Cross and Random Switching
o 1200V Transient Capability
Output
Mount
Profile

Specifications:
- Switching Voltage Mode: AC
- Min. load current: 15mA
- Min. turn off voltage: 1 VDC
- Control Voltage Range: 4-32 VDC

CE

factured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Turn On	Load Current Max.	Load Current Units	Load Voltage Min	Load Voltage Max	Load Voltage Units	Price Each 1	10	25	50
LR600240D25	LR600240D25	B	Zero cross	25	Amps RMS	24	280	Volts RMS	22.42	21.35	20.38	19.78
LR600240D40	LR600240D40	B	Zero cross	40	Amps RMS	24	280	Volts RMS	24.53	23.37	22.30	21.65
LR1200480D40	LR1200480D40	B	Zero cross	40	Amps RMS	48	530	Volts RMS	29.38	27.98	26.71	25.93

ydom SERIES LS (8-12 AMP, 120/240 VAC, AC OUTPUT SIP)

m's LS family of SPST-NO relays achieves the highest power ing capability in a PC-mounted air-cooled package. Output ts of an SCR AC switch and is available in zero-cross and n turn-on (Suffix R).

ced features include exceptional steady state current, plus high ratings. Metal baseplate design for direct attachment of external nk to achieve higher current rating.

Features:
- High Surge Rated SCR Output
- PCB Mount
- Metal Baseplate
- Application Include Motor, Heater, Lamp and Solenoid Switching
- Zero Volt or Instant Switch On
- No Moving Parts
- 24 VDC Control Available (LSE)

Specification:
- Switching Voltage Mode: AC
- Min. load current: 15mA
- Min. turn off voltage: 1 VDC
- Control Voltage Range: LS: 4-10 VDC, LSE: 20-28 VDC

LR81689 E116950

factured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Turn On	Load Current Max.	Load Current Units	Load Voltage Min	Load Voltage Max	Load Voltage Units	Price Each 1	10	25	50
-LS240D8	LS240D8	C	Zero cross	8	Amps RMS	24	280	Volts RMS	12.80	12.19	11.64	11.29
-LS240D12	LS240D12	C	Zero cross	12	Amps RMS	24	280	Volts RMS	14.23	13.56	12.94	12.56
-LSE240D8	LSE240D8	C	Zero cross	8	Amps RMS	24	280	Volts RMS	12.80	12.19	11.64	11.29
-LSE240D12	LSE240D12	C	Zero cross	12	Amps RMS	24	280	Volts RMS	14.23	13.56	12.94	12.56

ydom SERIES SSC: SOLID STATE DC CONTACTOR (25 AMP, 0-1000 VDC, DC OUTPUT)

e SSC solid state DC contactors feature IGBT technology for high voltage DC ning applications. All models come in Crydom's standard panel-mount package.

Features:
- IGBT Output
- Panel Mount
- High Voltage
- Internal Overvoltage Protection Available
- Control Voltage 12VDC, 24VDC, 36VDC

Specification:
- Switching Voltage Mode: DC
- Min. load current: 2mA
- Min. turn off voltage: 1 VDC

factured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Load Current Max.	Load Current Units	Load Voltage Min	Load Voltage Max	Load Voltage Units	Control Voltage Range	Price Each 1	10	25	50
-SSC800-25-12	SSC800-25-12	A	25	Amps DC	0	800	Volts DC	8-16 VDC	125.00	119.05	113.64	110.29
-SSC800-25-24	SSC800-25-24	A	25	Amps DC	0	800	Volts DC	20-28 VDC	125.00	119.05	113.64	110.29
-SSC1000-25-24	SSC1000-25-24	A	25	Amps DC	0	1000	Volts DC	20-28 VDC	150.00	142.86	136.36	132.35

MAGNECRAFT Solid State Relays

a company of Schneider Electric

Magnecraft
Your Contact for Industrial

CLASS A314 OCTAL STYLE GENERAL PURPOSE RELAYS

168986 E43641

Specifications:
- Contact resistance: 50 milliohms max. @10 amps
- Coil power: 1.2 watts DC. 2 VA -2.75 (60Hz) AC. @ 25°C
- Contact material: silver cadmium oxide, gold flashed
- Class B insulation
- Dielectric strength: 1500 Vrms

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
8 Pin Version										
528-2503-8	750XBXC-24A	A1	DPDT	12A	24 VAC	85	8.52	7.88	7.46	7.03
528-2503-9	750XBXC-120A	A1	DPDT	12A	120 VAC	2250	8.52	7.88	7.46	7.03
528-2503-13	750XCXC-24A	A2	3PDT	10A	24 VAC	85	10.38	9.60	9.08	8.56
8 and 11 Pin Version										
528-2506-6	750XBXC-12D	A1	DPDT	12A	12 VDC	120	8.52	7.88	7.46	7.03
528-2506-7	750XBXC-24D	A1	DPDT	12A	24 VDC	472	8.52	7.88	7.46	7.03
528-2506-10	750XCXC-12D	A2	3PDT	10A	12 VDC	120	10.38	9.60	9.08	8.56
528-2506-11	750XCXC-24D	A2	3PDT	10A	24 VDC	472	10.38	9.60	9.08	8.56
Sockets for Class A314/W250 Relays										
528-464	70-464-1	----	8 Pin Octal DIN/Panel mnt. w/screw terminals				1.82	1.68	1.59	1.50
528-465	70-465-1	----	11 Pin Octal DIN/Panel mnt. w/screw terminals				2.64	2.44	2.31	2.18

CLASS 250ML OCTAL BASE MAGNETIC LATCHING RELAYS

E43641

Specifications:
- Contact resistance: 50 milliohms maximum initial at rated current
- Coil power: 1.64 watts DC, 2.0 VA(60 Hz) AC @ 25°C
- Contact material: 0.187 silver cadmium oxide, gold flashed
- Class B insulation
- Dielectric strength: 1500 Vrms

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
528-2507-7	750XBXCD-24D	B3	DPDT	10A	24 VDC	350/350	16.64	15.39	14.56	13.73
528-2505-8	755XBXC-24A	B4	DPDT	10A	24 VAC	740	16.24	15.02	14.21	13.40
528-2505-9	755XBXC-120A	B4	DPDT	10A	120 VAC	10,000	16.24	15.02	14.21	13.40
Sockets for Class 250ML Relays										
528-464	70-464-1	----	8 Pin Octal DIN/Panel mnt. w/screw terminals				1.82	1.68	1.59	1.50
528-465	70-465-1	----	11 Pin Octal DIN/Panel mnt. w/screw terminals				2.64	2.44	2.31	2.18

CLASS 388ML SQUARE BASE MAGNETIC LATCHING RELAYS

E43641

Specifications:
- Contact resistance: 50 milliohms maximum initial at rated current
- Coil power: 1.9 watts DC, 2.1 VA(60 Hz) AC @ 25°C
- Contact material: silver cadmium oxide, gold flashed
- Class B insulation
- Dielectric strength: 1500 Vrms

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
Single Coil Latching										
528-38820-6	W388MLCPX-6	C5	DPDT	10A	12 VDC	120	18.94	17.52	16.57	15.63
528-38820-7	W388MLCPX-7	C5	DPDT	10A	24 VDC	470	18.94	17.52	16.57	15.63
528-38830-9	W388AMLCPX-9	C6	DPDT	10A	120 VAC	10,000	18.94	17.52	16.57	15.63
Dual Coil Latching										
528-388220-6	W388ML2CPX-6	C7	DPDT	10A	12 VDC	88/88	18.94	17.52	16.57	15.63
528-388220-7	W388ML2CPX-7	C7	DPDT	10A	24 VDC	350/350	18.94	17.52	16.57	15.63
Sockets and Hold Down Clip for Class 388ML Relays										
528-1241	70-124-1	----	11 Pin Solder terminals w/mounting tabs				1.10	1.02	.96	.91
528-1242	70-124-2	----	11 Pin Q.C. terminals w/mounting tabs				1.10	1.02	.96	.91
528-1781	70-178-1	----	11 Pin PC terminals w/mounting tabs				1.10	1.02	.96	.91
528-1782	70-178-2	----	11 Pin PC terminals w/o mounting tabs				1.10	1.02	.96	.91
528-4631	70-463-1	----	11 Pin DIN/Panel mnt. w/screw terminals				3.14	2.90	2.75	2.59
528-16-1278	16-1278	----	Hold down clip				.56	.52	.49	.46

CLASS 6 SOLID STATE RELAYS WITH LED LAMP INDICATOR

E43641

Specifications:
- AC/DC Input
- AC Output
- Photo isolated, zero voltage switching
- Safety cover standard
- LED Lamp Safety Cover
- Dielectric strength: 4000 Vrms

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Input	Load Voltage	Current Rating (RMS)	Price Each			
						1	10	25	50
AC Controlled Input									
528-6210AS1	W6210ASX-1	D	90-280 VAC	40-280 VAC	10AMP	23.42	21.66	20.49	19.32
528-6225AS1	W6225ASX-1	D	90-280 VAC	40-280 VAC	25AMP	30.42	28.14	26.62	25.10
528-6240AS1	W6240ASX-1	D	90-280 VAC	40-280 VAC	40AMP	32.70	30.25	28.61	26.98
528-6250AS1	W6250ASX-1	D	90-280 VAC	40-280 VAC	50AMP	41.26	38.17	36.10	34.04
DC Controlled Input									
528-6210DS1	W6210DSX-1	D	3-32 VDC	40-280 VAC	10AMP	22.16	20.50	19.39	18.28
528-6225DS1	W6225DSX-1	D	3-32 VDC	40-280 VAC	25AMP	26.76	24.75	23.42	22.08
528-6240DS1	W6240DSX-1	D	3-32 VDC	40-280 VAC	40AMP	32.70	30.25	28.61	26.98
528-6275DS1	W6275DSX-1	D	3-32 VDC	40-280 VAC	75AMP	59.56	55.32	52.49	49.66

CLASS 226 MINIATURE SOLID STATE RELAYS

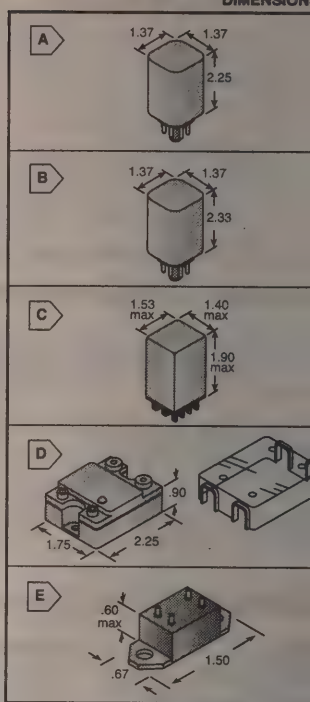
E43641

Specifications:
- Contact arrangement: SPST-NO
- Load current range: 50mA to 7A
- Dielectric strength: 2500 Vrms

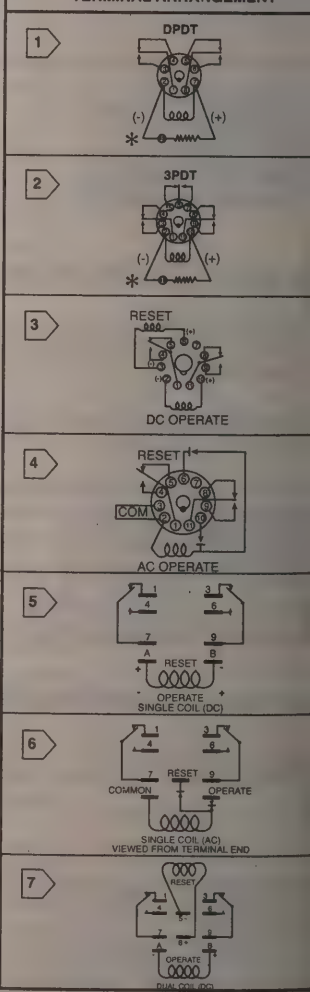
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Input	Load Voltage	Max. Output Current	Price Each			
						1	10	25	50
PC Terminals									
528-226RE75	W226RE-7-5A1	E	5 VDC	140 VAC	7AMP	18.92	17.50	16.56	15.61
528-226RE85	W226RE-8-5A1	E	5 VDC	280 VAC	7AMP	18.04	16.69	15.79	14.88
Push on Terminals									
528-226R75	W226R-7-5A1	E	5 VDC	140 VAC	7AMP	18.92	17.50	16.56	15.61
528-226R712	W226R-7-12A1	E	12 VDC	140 VAC	7AMP	18.92	17.50	16.56	15.61
528-226R85	W226R-8-5A1	E	5 VDC	280 VAC	7AMP	18.04	16.69	15.79	14.88
528-226R812	W226R-8-12A1	E	12 VDC	280 VAC	7AMP	18.04	16.69	15.79	14.88

DIMENSION



TERMINAL ARRANGEMENT



Magnecraft

Solid State Relays

MOUSER ELECTRONICS a ttl company

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NEC Solid State Relays

NEC

cations:
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y Standards:
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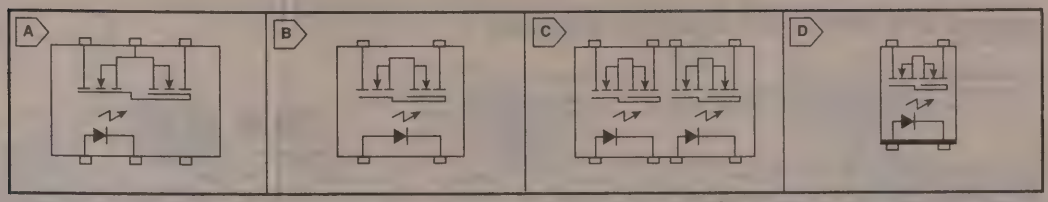
SA/VDE = UL Recognized (E72422(S)),
Approved (CA101391) & VDE Recognized



All of these devices are available in leaded and lead-free versions. Lead-free versions are denoted by a "-A" at the end of NEC's part number. Please contact your sales representative if you need assistance.

E72422(S) CA101391

LID STATE RELAYS FOR POWER APPLICATIONS

♦ Surface Mount Device

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	RON (Ω)	tON (ms)	tOFF (ms)	VL (V)	IL (mA)	PD (mW)	Isolation Voltage (Vrms)	Output Type	Price Each 1	10	100	1000
h Current, Low RON - 1 Form A																
-PS710A-1A-A	PS710A-1A-A	A	DIP-6	UL/CSA/VDE	0.1	1.0	0.05	60	1800	560	1500	1a	4.61	4.15	3.84	3.26
-PS710B-1A-A	PS710B-1A-A	A	DIP-6	UL/CSA/VDE	0.05	2.5	0.05	60	2500	625	1500	1a	6.70	6.06	5.42	4.47
-PS710E-1A-A	PS710E-1A-A	A	DIP-6	UL/CSA/VDE	0.083	1.0	0.02	80	2000	600	1500	1a	5.29	4.79	4.28	3.53
-PS7113-1A-A	PS7113-1A-A	A	DIP-6	UL/CSA	0.9	1.3	0.06	100	350	560	1500	1a	3.20	2.88	2.67	2.05
-PS7205B-1A-A	PS7205B-1A-A	B	SOP-4	None	0.9	0.18	0.04	80	500	300	1500	1a	4.87	4.41	3.94	3.25
-PS7206-1A-A	PS7206-1A-A	B	SOP-4	None	0.6	0.4	0.08	60	600	300	1500	1a	3.57	3.23	2.89	2.38
-PS7214-1A-A	PS7214-1A-A	B	SOP-4	None	1	1.3	0.1	100	400	300	1500	1a	3.47	3.14	2.81	2.31
h Current, Low RON - 2 Form A																
-PS7113-2A-A	PS7113-2A-A	C	DIP-8	UL/CSA	0.9	1.3	0.06	100	350	100	1500	1a + 1a	6.40	5.76	5.33	4.10

LID STATE RELAYS FOR TELECOM APPLICATIONS

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	RON (Ω)	tON (ms)	tOFF (ms)	VL (V)	IL (mA)	PD (mW)	Isolation Voltage (Vrms)	Output Type	Price Each 1	10	100	1000
0V Load Voltage, 200 mA Load Current																
-PS7122A-1A-A	PS7122A-1A-A	A	DIP-6	UL/CSA	4.5	0.5	0.004	250	200	560	1500	1a	3.80	3.44	3.08	2.53
-PS7122A-1B-A	PS7122A-1B-A	A	DIP-6	CSA	4.5	0.004	0.500	250	200	560	1500	1b	3.05	2.76	2.47	2.03
-PS7122A-2A-A	PS7122A-2A-A	C	DIP-8	UL/CSA	4.5	0.5	0.004	250	200	375	1500	1a + 1a	5.46	4.94	4.42	3.64
-PS7122A-2B-A	PS7122A-2B-A	C	DIP-8	CSA	4.5	0.004	0.5	250	200	375	1500	1b + 1b	5.92	5.36	4.79	3.95
-PS7122A-1C-A	PS7122A-1C-A	C	DIP-8	None	4.5	0.5/0.004	0.004/0.5	250	200	375	1500	1a + 1b	4.73	4.28	3.83	3.15
0V Load Voltage, 150-200 mA Load Current																
-PS7141-1A-A	PS7141-1A-A	A	DIP-6	UL/CSA	20	0.35	0.06	400	150	50	1500	1a	2.10	1.90	1.70	1.40
-PS7141L-1A-A	PS7141L-1A-A	A	SOP-6	UL/CSA	20	0.35	0.06	400	150	50	1500	1a	2.10	1.90	1.70	1.40
-PS7141-1B-A	PS7141-1B-A	A	DIP-6	CSA	20	0.02	0.2	400	150	560	1500	1b	2.31	2.09	1.87	1.54
-PS7141L-1B-A	PS7141L-1B-A	A	SOP-6	CSA	20	0.02	0.2	400	150	560	1500	1b	2.31	2.09	1.87	1.54
-PS7141-2A-A	PS7141-2A-A	C	DIP-8	UL/CSA	20	0.35	0.06	400	150	375	1500	1a + 1a	4.41	3.99	3.57	2.94
-PS7141L-2A-A	PS7141L-2A-A	C	SOP-8	UL/CSA	20	0.35	0.06	400	150	375	1500	1a + 1a	3.23	2.93	2.62	2.16
-PS7141-2B-A	PS7141-2B-A	C	DIP-8	CSA	20	0.02	0.2	400	150	375	1500	1b + 1b	4.83	4.37	3.91	3.22
-PS7141L-2B	PS7141L-2B	C	SOP-8	CSA	20	0.02	0.2	400	150	375	1500	1b + 1b	4.20	3.80	3.40	2.80
-PS7141-1C-A	PS7141-1C-A	C	DIP-8	UL/CSA	20	0.35/0.02	0.06/0.2	400	150	100	1500	1a + 1b	4.35	3.93	3.52	2.90
-PS7141C-2A-A	PS7141C-2A-A	C	DIP-8	UL/CSA	20	0.6	0.003	400	120	375	1500	1a + 1a	5.63	5.09	4.56	3.75
-PS7141E-1A-A	PS7141E-1A-A	A	DIP-6	None	37	0.5	0.07	400	120	560	1500	1a	1.39	1.26	1.12	.93
-PS7142-1A-A	PS7142-1A-A	A	DIP-6	UL/CSA	6	0.8	0.02	400	200	50	1500	1a	2.10	1.90	1.70	1.40
-PS7142-1B-A	PS7142-1B-A	A	DIP-6	None	7	0.03	1.1	400	200	560	1500	1b	3.97	3.59	3.21	2.65
-PS7142-2A-A	PS7142-2A-A	C	DIP-8	UL/CSA	7.5	0.5	0.03	400	200	100	1500	1a + 1a	6.34	5.74	5.13	4.23
-PS7142-2B-A	PS7142-2B-A	C	DIP-8	None	7	0.03	1.1	400	200	375	1500	1b + 1b	5.90	5.34	4.78	3.93
-PS7142-1C-A	PS7142-1C-A	C	DIP-8	None	8	0.8/0.03	0.02/1.1	400	200	375	1500	1a + 1b	6.62	5.99	5.36	4.41
-PS7241-1A	PS7241-1A	B	SOP-4	UL/CSA	18	0.5	0.07	400	120	50	1500	1a	1.47	1.33	1.19	.98
-PS7241-1B-A	PS7241-1B-A	B	SOP-4	UL/CSA	21	0.07	0.8	400	120	50	1500	1b	3.00	2.72	2.43	2.00
-PS7241-2A-A	PS7241-2A-A	C	SOP-8	CSA	21	0.2	0.02	60	1800	560	1500	1a + 1a	6.62	5.99	5.36	4.41
-PS7241-2B-A	PS7241-2B-A	C	SOP-8	CSA	21	0.02	0.1	400	120	180	1500	1b + 1b	4.35	3.93	3.52	2.90
-PS7241-1C-A	PS7241-1C-A	C	SOP-8	CSA	21	0.5/0.07	0.07/0.8	400	120	100	1500	1a + 1b	8.30	7.51	6.72	5.53
-PS7241E-1A-A	PS7241E-1A-A	B	SOP-4	None	22	0.5	0.07	400	120	300	1500	1a	1.50	1.36	1.22	1.00
-PS7341-1A-A	PS7341-1A-A	A	DIP-6	UL/CSA/VDE	20	0.35	0.03	400	150	50	3750	1a	2.10	1.90	1.70	1.40
-PS7341L-1A-A	PS7341L-1A-A	A	SOP-6	UL/CSA/VDE	20	0.35	0.03	400	150	50	3750	1a	2.10	1.90	1.70	1.40
-PS7341-1B-A	PS7341-1B-A	A	DIP-6	UL/CSA	20	0.03	0.6	400	200	560	3750	1b	3.00	2.72	2.43	2.00
-PS7341C-1A-A	PS7341C-1A-A	A	DIP-6	UL/CSA	27	0.55	0.07	400	120	560	3750	1a	2.84	2.57	2.30	1.89
-PS7342-1A	PS7342-1A	A	DIP-6	UL/CSA	6	1.2	0.06	400	200	50	3750	1a	3.93	3.55	3.18	2.62
-PS7431-1A-A	PS7431-1A-A	B	SOP-4	None	24	0.8	0.07	350	120	310	3000	1a	3.21	2.91	2.60	2.14
0V Load Voltage, 90 mA Load Current																
-PS7160-1A-A	PS7160-1A-A	A	DIP-6	UL/CSA	50	1.5	0.2	600	90	50	1500	1a	3.30	2.98	2.67	2.20
-PS7160-2A	PS7160-2A	C	DIP-8	UL/CSA	50	1.5	0.2	600	90	100	1500	1a + 1a	6.49	5.87	5.25	4.33
-PS7360-1A	PS7360-1A	A	DIP-6	UL/CSA/VDE	50	2.0	0.2	600	90	560	3750	1a	3.38	3.06	2.74	2.25
-PS7360L-1A-A	PS7360L-1A-A	A	SOP-6	UL/CSA/VDE	50	2.0	0.2	600	90	560	3750	1a	3.55	3.21	2.87	2.37

LID STATE RELAYS FOR HIGH FREQUENCY SWITCHING

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	RON (Ω)	tON (ms)	tOFF (ms)	VL (V)	IL (mA)	PD (mW)	Isolation Voltage (Vrms)	Output Type	Price Each 1	10	100	1000
w CxR, Miniature SOP Packages, 1 Form A																
-PS7200A-1A-A	PS7200A-1A-A	B	SOP-4	None	9.3	0.01	0.07	40	100	50	1500	1a	4.01	3.63	3.25	2.67
-PS7200B-1A-A	PS7200B-1A-A	B	SOP-4	None	1	0.05	0.02	40	250	50	1500	1a	5.00	4.52	4.05	3.33
-PS7200E-1A-A	PS7200E-1A-A	B	SOP-4	None	0.8	0.48	0.15	40	250	100	1500	1a	6.32	5.72	5.12	4.21
-PS7200H-1A-A	PS7200H-1A-A	B	SOP-4	None	2.2	0.04	0.25	40	160	100	1500	1a	5.63	5.09	4.56	3.75
-PS7200K-1A-A	PS7200K-1A-A	B	SOP-4	None	1.1	0.10	0.10	40	200	100	1500	1a	5.63	5.09	4.56	3.75
-PS7200R-1A-A	PS7200R-1A-A	B	SOP-4	None	10	0.03	0.30	40	120	200	1500	1a	3.65	3.31	2.96	2.44
w CxR, Ultra Miniature Packages, 1 Form A																
-PS7801-1A-A	PS7801-1A-A	D	MiniFlat-4	None	11.5	0.02	0.15	40	120	310	500	1a	6.55	5.93	5.30	4.37
-PS7802-1A-A	PS7802-1A-A	D	MiniFlat-4	None	1.1	0.1	0.08	40	250	100	500	1a	6.72	6.08	5.44	4.48

OMRON G3M SERIES: SIP SOLID STATE RELAYS

Specifications:
- Surge current: 2A output - 30A; 3A & 5A output - 45A
- Dielectric strength: 2A output - 20000VAC; 3A & 5A output 500VAC

Features:
- Thin design for high-density PCB applications
- DC input-AC output up to 5A load

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Input Voltage	Output Load	Zero Cross Function	Price Each 1	25	50	100
7.62mm Input terminal pitch									
653-G3M202PUSDC5	G3M-202P-US-DC5	A	5 VDC	2A @ 100-240VAC	Yes	6.86	6.36	6.00	5.09
653-G3M202PUSDC12	G3M-202P-US-DC12	A	12 VDC	2A @ 100-240VAC	Yes	6.86	6.36	6.00	5.09
653-G3M202PUSDC24	G3M-202P-US-DC24	A	24 VDC	2A @ 100-240VAC	Yes	6.86	6.36	6.00	5.09
653-G3M203PDC5	G3M-203P-DC5	A	5 VDC	3A @ 100-240VAC	Yes	9.81	9.10	8.58	7.28
653-G3M203PDC12	G3M-203P-DC12	A	12 VDC	3A @ 100-240VAC	Yes	9.81	9.10	8.58	7.28
653-G3M203PDC24	G3M-203P-DC24	A	24 VDC	3A @ 100-240VAC	Yes	9.81	9.10	8.58	7.28
653-G3M203PLDC24	G3M-203PL-DC24	A	24 VDC	3A @ 100-240VAC	No	9.81	9.10	8.58	7.28
653-G3M205PLDC5	G3M-205PL-DC5	B	5 VDC	5A @ 100-240VAC	No	11.32	10.59	9.98	8.47
653-G3M205PLDC12	G3M-205PL-DC12	B	12 VDC	5A @ 100-240VAC	No	11.32	10.59	9.98	8.47
653-G3M205PLDC24	G3M-205PL-DC24	B	24 VDC	5A @ 100-240VAC	No	11.32	10.59	9.98	8.47
5.08mm Input terminal pitch									
653-G3M202PUS4DC5	G3M-202P-US-4-DC5	A	5 VDC	2A @ 100-240VAC	Yes	6.86	6.36	6.00	5.09
653-G3M202PUS4DC12	G3M-202P-US-4-DC12	A	12 VDC	2A @ 100-240VAC	Yes	6.86	6.36	6.00	5.09

OMRON G3MB SERIES: SUBMINIATURE SIP SOLID STATE RELAYS

Specifications:
- 7.62mm output terminal pitch
- Surge current: 30 A (60 Hz, 1 cycle)
- Leakage current: 5mA @ 100 VAC; 10mA @ 200 VAC
- Rated output load: 2A @ 100-240VAC
- Phototriac isolation

Features:
- Built-in snubber circuit and input resistor
- Dedicated, compact aluminum PCB and power elements used
- No heat sink needed due to mono block lead frame

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Input Voltage	Output Load	Zero Cross Function	Price Each 1	25	50	100
653-G3MB-202PL-DC5	G3MB-202PL-DC5	C	5 VDC	2A @ 100-240 VAC	No	3.85	3.36	2.96	2.76
653-G3MB-202PLDC12	G3MB-202PL-DC12	C	12 VDC	2A @ 100-240 VAC	No	3.85	3.36	2.96	2.76
653-G3MB-202PLDC24	G3MB-202PL-DC24	C	24 VDC	2A @ 100-240 VAC	No	3.85	3.36	2.96	2.76
653-G3MB-202P-DC5	G3MB-202P-DC5	C	5 VDC	2A @ 100-240 VAC	Yes	4.29	3.71	3.27	3.05
653-G3MB-202P-DC12	G3MB-202P-DC12	C	12 VDC	2A @ 100-240 VAC	Yes	4.29	3.71	3.27	3.05
653-G3MB-202P-DC24	G3MB-202P-DC24	C	24 VDC	2A @ 100-240 VAC	Yes	4.29	3.71	3.27	3.05

OMRON G3MC SERIES: COMPACT SIP SOLID STATE RELAYS

Specifications:
- Surge current: 1A output - 8A; 2A output - 30A
- Dielectric strength: 2500VAC

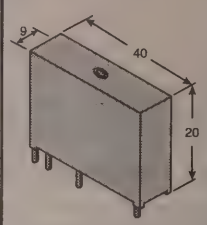
Features:
- Built-in snubber circuit
- Smaller footprint (20% smaller than G3MB)
- Compact thin-profile of monoblock construction with an all-in-one frame incorporates a PCB, terminals, and a heatsink

For quantities of 500 and up, call for quote.

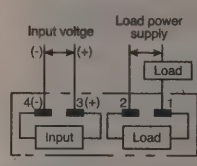
MOUSER STOCK NO.	Omron Part No.	Fig.	Input Voltage	Output Load	Zero Cross Function	Price Each 1	25	50	100
653-G3MC101PDC5	G3MC-101P-DC5	D	5 VDC	1A @ 100-120VAC	Yes	3.72	3.50	3.06	2.88
653-G3MC101PDC12	G3MC-101P-DC12	D	12 VDC	1A @ 100-120VAC	Yes	3.72	3.50	3.06	2.88
653-G3MC101PDC24	G3MC-101P-DC24	D	24 VDC	1A @ 100-120VAC	Yes	3.72	3.50	3.06	2.88
653-G3MC101PLDC5	G3MC-101PL-DC5	D	5 VDC	1A @ 100-120VAC	No	3.41	3.21	2.80	2.64
653-G3MC101PLDC12	G3MC-101PL-DC12	D	12 VDC	1A @ 100-120VAC	No	3.41	3.21	2.80	2.64
653-G3MC101PLDC24	G3MC-101PL-DC24	D	24 VDC	1A @ 100-120VAC	No	3.41	3.21	2.80	2.64
653-G3MC201PDC5	G3MC-201P-DC5	D	5 VDC	1A @ 100-240VAC	Yes	3.94	3.70	3.24	3.06
653-G3MC201PDC12	G3MC-201P-DC12	D	12 VDC	1A @ 100-240VAC	Yes	3.94	3.70	3.24	3.06
653-G3MC201PDC24	G3MC-201P-DC24	D	24 VDC	1A @ 100-240VAC	Yes	3.94	3.70	3.24	3.06
653-G3MC201PLDC5	G3MC-201PL-DC5	D	5 VDC	1A @ 100-240VAC	No	3.63	3.41	2.99	2.82
653-G3MC201PLDC12	G3MC-201PL-DC12	D	12 VDC	1A @ 100-240VAC	No	3.63	3.41	2.99	2.82
653-G3MC201PLDC24	G3MC-201PL-DC24	D	24 VDC	1A @ 100-240VAC	No	3.63	3.41	2.99	2.82
653-G3MC202PDC5	G3MC-202P-DC5	E	5 VDC	2A @ 100-240VAC	Yes	4.64	4.36	3.82	3.60
653-G3MC202PDC12	G3MC-202P-DC12	E	12 VDC	2A @ 100-240VAC	Yes	4.64	4.36	3.82	3.60
653-G3MC202PDC24	G3MC-202P-DC24	E	24 VDC	2A @ 100-240VAC	Yes	4.64	4.36	3.82	3.60
653-G3MC202PLDC5	G3MC-202PL-DC5	E	5 VDC	2A @ 100-240VAC	No	4.64	4.36	3.82	3.60
653-G3MC202PLDC12	G3MC-202PL-DC12	E	12 VDC	2A @ 100-240VAC	No	4.64	4.36	3.82	3.60
653-G3MC202PLDC24	G3MC-202PL-DC24	E	24 VDC	2A @ 100-240VAC	No	4.64	4.36	3.82	3.60

DIMENSIONS (IN)

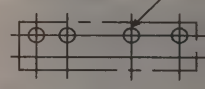
A



Terminal Arrangement



PCB Dimensions Four 1.2 dia



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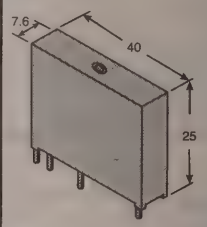

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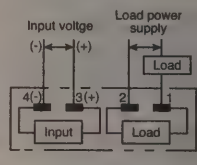
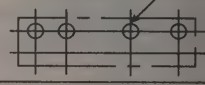


PCB Dimensions Four 1.2 dia



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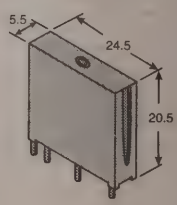

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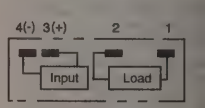

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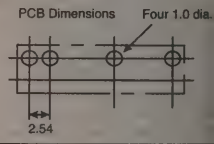

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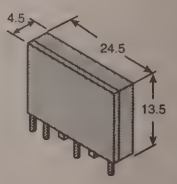

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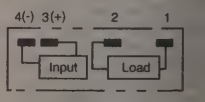
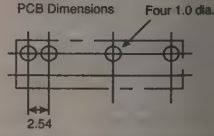


PCB Dimensions Four 1.0 dia.



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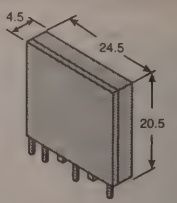

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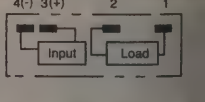
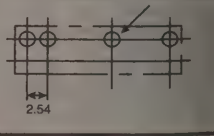
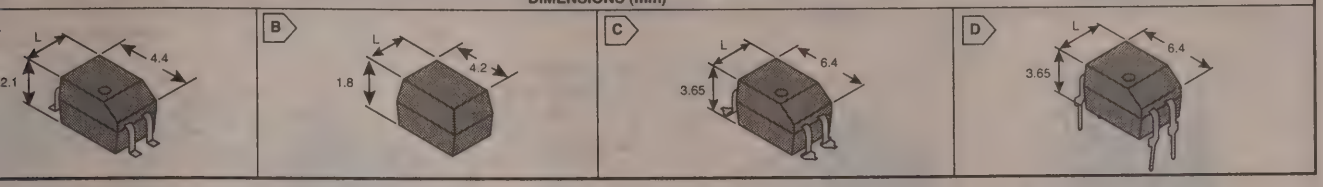


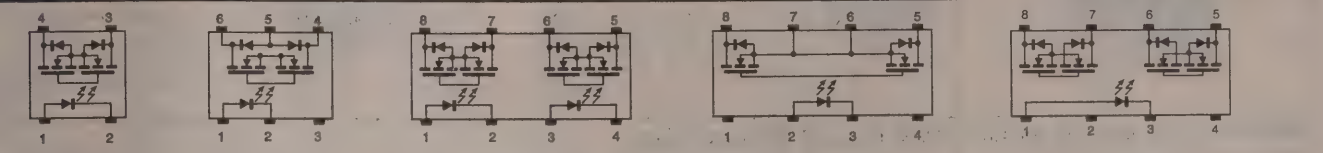
PCB Dimensions Four 1.0 dia.



MOUSER ELECTRONICS a tti company

DIMENSIONS (mm)





4-pin SPST-NO SPDT | 6-pin SPST-NO SPDT | 8 Pin DPST-NO DPDT | G3VM-61CR SPST- NO | 8 Pin SPST-NO

RON. G3VM SERIES: MOSFET RELAYS

ures:
stry's smallest MOSFET relays
d state technology means hundreds of millions of operations
t in white mold resin which reflects more light from the LED back to the MOSFET driver than black resin.
e resin also dissipates heat better than black resin, so relays can be placed closer together on the board.
M-3FL has a current limiting feature

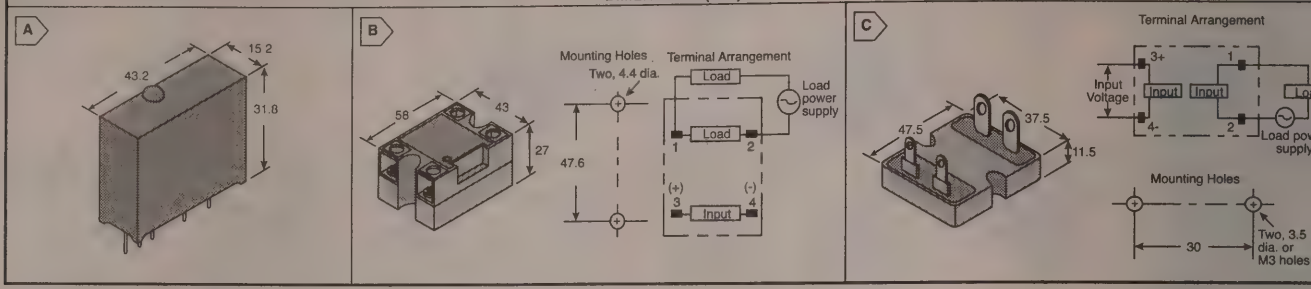
Applications:
- Automated test equipment
- Communications
- Security
- Medical ultrasound equipment
- Automotive diagnostic equipment

An independent firm ran a test on the only part of the G3VM that could waver in performance - the LED. After simulated operation of 100,000 hours (equivalent to 11+ years!) the G3VM was still operating successfully!

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	OMRON Part No.	Fig.	Dim. L	No. Pins	Contact Form	Package Style	Voltage Withstand	ON res. (Max.)	Output Capacitance	Load Current	Load Voltage	Price Each 1	25	50	100
-G3VM-21LR	G3VM-21LR	B	2.04	4	SPST-NO	SSOP	1500 VAC	8 Ω	12 pF max.	150 mA	20 V	15.44	13.06	11.61	10.16
-G3VM-21LR1	G3VM-21LR1	B	2.04	4	SPST-NO	SSOP	1500 VAC	1.5 Ω	12 pF max.	300 mA	20 V	15.44	13.06	11.61	10.16
-G3VM-21GR	G3VM-21GR	A	3.9	4	SPST-NO	SOP	1500 VAC	8 Ω	2.5 pF max.	160 mA	20 V	4.72	3.99	3.55	3.11
-G3VM-21GR1	G3VM-21GR1	A	3.9	4	SPST-NO	SOP	1500 VAC	1.5 Ω	12 pF max.	300 mA	20 V	4.72	3.99	3.55	3.11
-G3VM-41LR3	G3VM-41LR3	B	2.04	4	SPST-NO	SSOP	1500 VAC	35 Ω	1.4 pF max.	80 mA	40 V	15.44	13.06	11.61	10.16
-G3VM-41LR4	G3VM-41LR4	B	2.04	4	SPST-NO	SSOP	1500 VAC	3 Ω	7 pF max.	250 mA	40 V	15.44	13.06	11.61	10.16
-G3VM-41LR5	G3VM-41LR5	B	2.04	4	SPST-NO	SSOP	1500 VAC	1.5 Ω	14 pF max.	300 mA	40 V	15.44	13.06	11.61	10.16
-G3VM-41LR6	G3VM-41LR6	B	2.04	4	SPST-NO	SSOP	1500 VAC	15 Ω	2 pF max.	120 mA	40 V	15.44	13.06	11.61	10.16
-G3VM-41GR5	G3VM-41GR5	A	3.9	4	SPST-NO	SOP	1500 VAC	1.5 Ω	14 pF max.	300 mA	40 V	4.72	3.99	3.55	3.11
-G3VM-41GR6	G3VM-41GR6	A	3.9	4	SPST-NO	SOP	1500 VAC	15 Ω	2 pF max.	120 mA	40 V	4.72	5.79	5.15	4.51
-G3VM-S1	G3VM-S1	A	3.9	4	SPST-NO	SOP	1500 VAC	2 Ω	140 pF max.	400 mA	60 V	4.31	3.65	3.24	2.84
-G3VM-61G1	G3VM-61G1	A	3.9	4	SPST-NO	SOP	1500 VAC	2 Ω	130 pF typ.	400 mA	60 V	3.88	3.28	2.92	2.55
-G3VM-401H	G3VM-401H	A	6.3	6	SPST-NO	SOP	1500VAC	35Ω	0.8pF typ.	120mA	400 V	4.42	3.74	3.32	2.91
-G3VM-61H1	G3VM-61H1	A	6.3	6	SPST-NO	SOP	1500 VAC	2 Ω	130 pF typ.	400 mA	60 V	3.54	3.00	2.66	2.33
-G3VM-62J1	G3VM-62J1	A	9.4	8	SPST-NO	SOP	1500 VAC	2 Ω	130 pF typ.	400 mA	60 V	7.90	6.68	5.94	5.20
-G3VM-SW	G3VM-SW	A	9.4	8	DPST-NO	SOP	1500 VAC	35 Ω	30 pF max.	120 mA	60 V	3.63	3.30	3.05	2.64
-G3VM-VF	G3VM-VF	C	7.12	6	SPST-NO	SMT	2500 VAC	2 Ω	170 pF typ.	300 mA	60 V	3.05	2.73	2.41	2.17
-G3VM-61D1	G3VM-61D1	C	4.58	4	SPST-NO	SMT	2500 VAC	2 Ω	130 pF typ.	500 mA	60 V	3.54	3.00	2.66	2.33
-G3VM-61E1	G3VM-61E1	C	7.12	6	SPST-NO	SMT	2500 VAC	2 Ω	130 pF typ.	500 mA	60 V	3.68	3.11	2.76	2.42
-G3VM-61FR	G3VM-61FR	C	9.66	8	SPST-NO	SMT	1500 VAC	0.12 Ω	1400 pF max.	2000 mA	60 V	18.36	15.53	13.80	12.08
-G3VM-62F1	G3VM-62F1	C	9.66	8	SPST-NO	SMT	2500 VAC	2 Ω	130 pF typ.	500 mA	60 V	5.60	4.74	4.21	3.68
-G3VM-61A1	G3VM-61A1	D	4.58	4	SPST-NO	Thru-hole	2500 VAC	2 Ω	130 pF typ.	500 mA	60 V	3.54	3.00	2.66	2.33
-G3VM-V	G3VM-V	D	7.12	6	SPST-NO	Thru-hole	2500 VAC	2 Ω	170 pF typ.	300 mA	60 V	3.05	2.73	2.41	2.17
-G3VM-61B1	G3VM-61B1	D	7.12	6	SPST-NO	Thru-hole	2500 VAC	2 Ω	130 pF typ.	500 mA	60 V	3.54	3.00	2.66	2.33
-G3VM-61CR	G3VM-61CR	D	9.66	8	SPST-NO	Thru-hole	1500 VAC	0.12 Ω	1400 pF max.	2000 mA	60 V	18.36	15.53	13.80	12.08
-G3VM-81HR	G3VM-81HR	A	6.3	6	SPST-NO	SOP	1500 VAC	0.15 Ω	1000 pF max.	1250 mA	80 V	17.89	15.13	13.45	11.77
-G3VM-S5	G3VM-S5	A	3.9	4	SPST-NO	SOP	1500 VAC	8 Ω	1000 pF max.	150 mA	200 V	3.47	3.15	2.78	2.50
-G3VM-S2	G3VM-S2	A	3.9	4	SPST-NO	SOP	1500 VAC	35 Ω	75 pF typ.	120 mA	350 V	1.85	1.70	1.50	1.30
-G3VM-351G	G3VM-351G	A	3.9	4	SPST-NO	SOP	1500 VAC	35 Ω	30 pF typ.	110 mA	350 V	3.88	3.28	2.92	2.55
-G3VM-351H	G3VM-351H	A	6.3	6	SPST-NO	SOP	1500 VAC	35 Ω	30 pF typ.	110 mA	350 V	5.45	4.61	4.10	3.59
-G3VM-S3	G3VM-S3	A	6.3	6	SPST-NO	SOP	1500 VAC	35 Ω	75 pF typ.	120 mA	350 V	2.15	1.96	1.93	1.89
-G3VM-SY	G3VM-SY	A	9.4	8	DPST-NO	SOP	1500 VAC	2 Ω	140 pF max.	300 mA	350 V	7.72	7.01	6.18	5.56
-G3VM-352J	G3VM-352J	A	9.4	8	DPST-NO	SOP	1500 VAC	35 Ω	30 pF typ.	110 mA	350 V	4.42	3.74	3.32	2.91
-G3VM-2F	G3VM-2F	C	4.58	4	SPST-NO	SMT	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	1.87	1.70	1.57	1.36
-G3VM-351D	G3VM-351D	C	4.58	4	SPST-NO	SMT	2500 VAC	35 Ω	30 pF typ.	120 mA	350 V	3.17	2.68	2.38	2.08
-G3VM-353D	G3VM-353D	C	4.58	4	SPST-NC	SMT	2500 VAC	25 Ω	100 pF typ.	150 mA	350 V	8.48	7.18	6.38	5.58
-G3VM-351B	G3VM-351B	C	7.12	6	SPST-NO	SMT	2500 VAC	35 Ω	30 pF typ.	120 mA	350 V	3.02	2.55	2.27	1.98
-G3VM-351E	G3VM-351E	C	7.12	6	SPST-NO	SMT	2500 VAC	35 Ω	30 pF typ.	120 mA	350 V	3.07	2.60	2.31	2.02
-G3VM-3F	G3VM-3F	C	7.12	6	SPST-NO	SMT	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	1.87	1.70	1.57	1.36
-G3VM-3FL	G3VM-3FL	C	7.12	6	SPST-NO	SMT	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	2.19	1.94	1.79	1.53
-G3VM-353E	G3VM-353E	C	7.12	6	SPST-NC	SMT	2500 VAC	25 Ω	100 pF typ.	150 mA	350 V	8.57	7.25	6.44	5.64
-G3VM-WF	G3VM-WF	C	9.66	8	DPST-NO	SMT	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	4.21	3.87	3.44	2.92
-G3VM-352F	G3VM-352F	C	9.66	8	DPST-NO	SMT	2500 VAC	35 Ω	30 pF typ.	120 mA	350 V	4.42	3.74	3.32	2.91
-G3VM-354F	G3VM-354F	C	9.66	8	DPST-NC	SMT	2500 VAC	35 Ω	100 pF typ.	120 mA	350 V	17.89	15.13	13.45	11.77
-G3VM-351A	G3VM-351A	D	4.58	4	SPST-NO	Thru-hole	2500 VAC	35 Ω	30 pF typ.	120 mA	350 V	3.07	2.60	2.31	2.02
-G3VM-2	G3VM-2	D	4.58	4	SPST-NO	Thru-hole	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	1.87	1.70	1.57	1.36
-G3VM-353A	G3VM-353A	D	4.58	4	SPST-NC	Thru-hole	2500 VAC	25 Ω	100 pF typ.	150 mA	350 V	8.57	7.25	6.44	5.64
-G3VM-3	G3VM-3	D	7.12	6	SPST-NO	Thru-hole	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	1.87	1.70	1.57	1.36
-G3VM-353B	G3VM-353B	D	7.12	6	SPST-NC	Thru-hole	2500 VAC	25 Ω	100 pF typ.	150 mA	350 V	8.41	7.12	6.32	5.53
-G3VM-352C	G3VM-352C	D	9.66	8	DPST-NO	Thru-hole	2500 VAC	35 Ω	30 pF typ.	120 mA	350 V	4.42	3.74	3.32	2.91
-G3VM-W	G3VM-W	D	9.66	8	DPST-NO	Thru-hole	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	4.21	3.87	3.44	2.92
-G3VM-354C	G3VM-354C	D	9.66	8	DPST-NC	Thru-hole	2500 VAC	25 Ω	100 pF typ.	120 mA	350 V	17.64	14.92	13.26	11.60
-G3VM-401G	G3VM-401G	A	3.9	4	SPST-NO	SOP	1500 VAC	35 Ω	70 pF typ.	120 mA	400 V	4.06	3.43	3.05	2.67
-G3VM-402J	G3VM-402J	A	9.4	8	DPST-NO	SOP	2500 VAC	35 Ω	70 pF typ.	120 mA	400 V	6.51	5.51	4.90	4.29
-G3VM-401D	G3VM-401D	C	4.58	4	SPST-NO	SMT	2500 VAC	35 Ω	70 pF typ.	120 mA	400 V	4.51	3.82	3.39	2.97
-G3VM-401E	G3VM-401E	C	7.12	6	SPST-NO	SMT	2500 VAC	35 Ω	75 pF typ.	120 mA	400 V	4.51	3.82	3.39	2.97
-G3VM-401EY	G3VM-401EY	C	7.12	6	SPST-NO	SMT	5000 VAC	35 Ω	75 pF typ.	120 mA	400 V	4.86	4.11	3.66	3.20
-G3VM-402F	G3VM-402F	C	9.66	8	DPST-NO	SMT	2500 VAC	35 Ω	70 pF typ.	120 mA	400 V	6.51	5.51	4.90	4.29
-G3VM-401A	G3VM-401A	D	4.58	4	SPST-NO	Thru-hole	2500 VAC	35 Ω	70 pF typ.	120 mA	400 V	4.51	3.82	3.39	2.97
-G3VM-401B	G3VM-401B	D	7.12	6	SPST-NO	Thru-hole	2500 VAC	35 Ω	75 pF typ.	120 mA	400 V	4.51	3.82	3.39	2.97
-G3VM-401BY	G3VM-401BY	D	7.12	6	SPST-NO	Thru-hole	5000 VAC	35 Ω	75 pF typ.	120 mA	400 V	4.73	4.00	3.56	3.11
-G3VM-402C	G3VM-402C	D	9.66	8	DPST-NO	Thru-hole	2500 VAC	35 Ω	70 pF typ.	120 mA	400 V	6.51	5.51	4.90	4.29
-G3VM-601EY	G3VM-601EY	C	7.12	6	SPST-NO	SMT	5000 VAC	35 Ω	100 pF typ.	100 mA	600 V	8.78	7.43	6.60	5.78
-G3VM-601BY	G3VM-601BY	D	7.12	6	SPST-NO	Thru-hole	5000 VAC	45 Ω	100 pF typ.	100 mA	600 V	8.57	7.25	6.44	5.64

DIMENSIONS (mm)



OMRON G3TC SERIES: SOLID STATE RELAYS I/O MODULES

Features:
- Zero cross function on AC models
- AC and DC versions incorporate a rectifier to accept both AC or DC inputs
- Use I/O SSRs as an interface between logic circuitry and the load
- Industry standard footprint and color coding
- Built-in hold down screw fastens relay to board to eliminate loosening by vibration

Input Modules

For quantities of 500 and up, call for

MOUSER STOCK NO.	Omron Part Number	Fig.	Color	Input	Input Operating Voltage Range	Logic Level Output Supply Voltage	Price Each 1	25	50
653-G3TC-IAC5-A120	G3TC-IAC5-AC/DC120	A	Yellow	AC	90-140 VDC/AC	5 VDC	10.20	9.14	8.00
653-G3TC-IAC15-A120	G3TC-IAC15-AC/DC120	A	Yellow	AC	90-140 VDC/AC	15 VDC	10.20	9.14	8.00
653-G3TC-IAC24-A120	G3TC-IAC24-AC/DC120	A	Yellow	AC	90-140 VDC/AC	24 VDC	10.20	9.14	8.00
653-G3TC-IAC5A-A240	G3TC-IAC5A-AC/DC240	A	Yellow	AC	180-280 VDC/AC	5 VDC	11.25	10.08	8.82
653-G3TC-IDC5-D24	G3TC-IDC5-DC/AC24	A	White	DC	10-32 VDC/AC	5 VDC	10.10	9.05	7.92
653-G3TC-IDC15-D24	G3TC-IDC15-DC/AC24	A	White	DC	10-32 VDC/AC	15 VDC	10.10	9.05	7.92
653-G3TC-IDC24-D24	G3TC-IDC24-DC/AC24	A	White	DC	10-32 VDC/AC	24 VDC	10.10	9.05	7.92

Output Modules

For quantities of 500 and up, call for

MOUSER STOCK NO.	Omron Part Number	Fig.	Color	Output	Rated Input Voltage	Rated Output Voltage	Price Each 1	25	50
653-G3TC-OAC5-DC5	G3TC-OAC5-DC5	A	Black	AC	5 VDC	3 A @ 120 VAC	10.60	9.50	8.31
653-G3TC-OAC15-DC15	G3TC-OAC15-DC15	A	Black	AC	15 VDC	3 A @ 120 VAC	10.60	9.50	8.31
653-G3TC-OAC24-DC24	G3TC-OAC24-DC24	A	Black	AC	24 VDC	3 A @ 120 VAC	10.60	9.50	8.31
653-G3TC-OAC5A-DC5	G3TC-OAC5A-DC5	A	Black	AC	5 VDC	3 A @ 240 VAC	11.25	10.08	8.82
653-G3TC-ODC5-DC5	G3TC-ODC5-DC5	A	Red	DC	5 VDC	3 A @ 60 VDC	10.70	9.59	8.39
653-G3TC-ODC15-DC15	G3TC-ODC15-DC15	A	Red	DC	15 VDC	3 A @ 60 VDC	10.70	9.59	8.39
653-G3TC-ODC24-DC24	G3TC-ODC24-DC24	A	Red	DC	24 VDC	3 A @ 60 VDC	10.70	9.59	8.39
653-G3TC-ODC5A-DC5	G3TC-ODC5A-DC5	A	Red	DC	5 VDC	1 A @ 200 VDC	11.60	10.39	9.09

OMRON G3NA SERIES: 5-40A SOLID STATE RELAY

Specifications:
- Zero cross function
- Leakage current: 5mA @ 100 VAC; 10mA @ 200 VAC
- * Output load is rated with use of heat sink.

Features:
- Built-in MOV to absorb external surges
- Operation indicator (red LED) for monitoring operation
- Protective cover

For quantities of 500 and up, call for

MOUSER STOCK NO.	Omron Part Number	Fig.	Input Voltage	Rated Load*	Isolation	Price Each 1	25	50
AC Operated								
653-G3A-205B-AC1	G3NA-205B-AC100-120	B	100-200 VAC	5 A	Photocoupler	17.60	16.29	14.38
653-G3A-205B-AC2	G3NA-205B-AC200-240	B	200-240 VAC	5 A	Photocoupler	17.60	16.29	14.38
653-G3A-210B-AC1	G3NA-210B-AC100-120	B	100-200 VAC	10 A	Photocoupler	17.98	17.11	15.10
653-G3A-210B-AC2	G3NA-210B-AC200-240	B	200-240 VAC	10 A	Photocoupler	17.98	17.11	15.10
653-G3A-225B-AC1	G3NA-225B-AC100-120	B	100-200 VAC	25 A	Photocoupler	22.42	21.34	18.83
653-G3A-225B-AC2	G3NA-225B-AC200-240	B	200-240 VAC	25 A	Photocoupler	22.42	21.34	18.83
653-G3A-240B-AC1	G3NA-240B-AC100-120	B	100-200 VAC	40 A	Phototriac	32.32	30.77	27.15
653-G3A-240B-AC2	G3NA-240B-AC200-240	B	200-240 VAC	40 A	Phototriac	32.32	30.77	27.15
DC Operated								
653-G3A-205B-DC5	G3NA-205B-DC5-24	B	5-24 VDC	5 A	Phototriac	13.99	13.32	11.75
653-G3A-210B-DC5	G3NA-210B-DC5-24	B	5-24 VDC	10 A	Photocoupler	14.31	13.62	12.02
653-G3A-225B-DC5	G3NA-225B-DC5-24	B	5-24 VDC	25 A	Photocoupler	18.62	17.72	15.64
653-G3A-240B-DC5	G3NA-240B-DC5-24	B	5-24 VDC	40 A	Phototriac	28.99	27.60	24.35

Heat Sinks		Description	Price Each 1	25	50
653-Y92B-A100	Y92B-A100	Standard mount for 5 and 10 A relays	10.50	10.00	8.82
653-Y92B-A150N	Y92B-A150N	Standard mount for 25 and 40 A relays	15.68	14.93	13.17
653-Y92B-N50	Y92B-N50	Track mount for 5 and 10 A relays	9.70	9.23	8.15
653-Y92B-N150	Y92B-N150	Track mount for 25 and 40 A relays	21.40	20.37	17.98

OMRON G3NE SERIES: COMPACT 5-20A SOLID STATE RELAYS

Specifications:
- Zero cross function
- Leakage current: 5mA @ 100 VAC; 10mA @ 200 VAC
- * Output load is rated with use of heat sink.

Features:
- Built-in MOV to absorb external surges
- Dedicated, compact aluminum PCB and power elements used
- Quick-connect #110 input terminals and #250 output connections

For quantities of 500 and up, call for

MOUSER STOCK NO.	Omron Part Number	Fig.	Input Voltage	Rated Load*	Isolation	Price Each 1	25	50
653-G3E-210T-US5	G3NE-210T-US-DC5	C	5 VDC	0.1-10 A	Phototriac	12.63	12.02	10.61
653-G3E-220T-US5	G3NE-220T-US-DC5	C	5 VDC	0.1-20 A	Phototriac	14.79	14.08	12.42
653-G3E-210T-US12	G3NE-210T-US-DC12	C	12 VDC	0.1-10 A	Phototriac	12.63	12.02	10.61
653-G3E-220T-US12	G3NE-220T-US-DC12	C	12 VDC	0.1-20 A	Phototriac	14.79	14.08	12.42
653-G3E-210T-US24	G3NE-210T-US-DC24	C	24 VDC	0.1-10 A	Phototriac	12.63	12.02	10.61
653-G3E-220T-US24	G3NE-220T-US-DC24	C	24 VDC	0.1-20 A	Phototriac	14.79	14.08	12.42

Heat Sinks		Description	Price Each 1	25	50
653-Y92B-N50	Y92B-N50	Track mount for 10 A relays	9.70	9.23	8.15
653-Y92B-N150	Y92B-N150	Track mount for 20 A relays	21.40	20.37	17.98

P&B SLIM LINE AND STANDARD I/O MODULES

ifications:
m: SPST-NO
o voltage turn-on

Features:
- Color coded by function

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Case Color	Function	Input Voltage	Output	Price Each 1	25	50	100
5-IACM-5	IACM-5	A	Yellow case	AC input	90-140 VAC/VDC	5 VDC	10.22	9.09	7.95	7.38
5-IDCM-5	IDCM-5	A	White case	DC input	3.3-32 VDC	5 VDC	10.22	9.09	7.95	7.38
5-OACM-5	OACM-5	A	Black case	AC input	5 VDC	3A, 24-280 VAC	10.22	9.09	7.95	7.38
5-OACM-5H	OACM-5H	A	Black case	AC output	5 VDC	5A, 24-280 VAC	12.33	10.96	9.59	8.91
5-OACM-UH	OACM-UH	A	Black case	AC output	3-15 VDC	5A, 24-280 VAC	12.33	10.96	9.59	8.91
5-ODCM-5	ODCM-5	A	Red case	DC output	5 VDC	3A, 3-60 VDC	10.22	9.09	7.95	7.38
5-IAC-5	IAC-5	B	Yellow case	AC input	90-140 VAC/VDC	5 VDC	10.22	9.09	7.95	7.38
5-IAC-15	IAC-15	B	Yellow case	AC input	90-140 VAC/VDC	15 VDC	10.78	9.58	8.39	7.79
5-IDC-5	IDC-5	B	White case	DC input	3.3-32 VDC	5 VDC	10.22	9.09	7.95	7.38
5-OAC-5	OAC-5	B	Black case	AC output	5 VDC	3A, 24-280 VAC	10.22	9.09	7.95	7.38
5-OAC-5A	OAC-5A	B	Black case	AC output	5 VDC	3A, 24-280 VAC	10.22	9.09	7.95	7.38
5-OAC-15	OAC-15	B	Black case	AC output	15 VDC	3A, 24-280 VAC	10.78	9.58	8.39	7.79
5-OAC-5H	OAC-5H	B	Black case	AC output	5 VDC	5A, 24-280 VAC	12.33	10.96	9.59	8.91
5-ODC-5	ODC-5	B	Red case	DC output	5 VDC	3A, 3-60 VDC	10.22	9.09	7.95	7.38
5-ODC-24	ODC-24	B	Red case	DC output	24 VDC	3A, 3-60 VDC	10.78	9.58	8.39	7.79

P&B SSR SERIES: PAIRED SCR OUTPUT "HOCKEY PUCK" SOLID STATE RELAY

cifications:
m: SPST-NO
erse parallel SCR output
ximum output when mounted to heatsink

Features:
- LED Indicator
- Floating terminal design

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Input Voltage	Line Voltage	Maximum Output*	Options	Price Each 1	10	25	50
Input										
-SSR-240A25	SSR-240A25	C	90-280 VAC	24-240 VAC	.1-25 A rms	Zero voltage turn-on	34.51	32.48	28.42	26.39
-SSR-240A50	SSR-240A50	C	90-280 VAC	24-240 VAC	.1-50 A rms	Zero voltage turn-on	47.86	45.04	39.41	36.60
Input										
-SSR-240D25	SSR-240D25	C	3-32 VDC	24-240 VAC	.1-25 A rms	Zero voltage turn-on	28.58	26.58	24.87	22.30
-SSR-240D25R	SSR-240D25R	C	3-32 VDC	24-240 VAC	.1-25 A rms	Random turn-on	31.21	29.97	26.22	24.35
-SSR-240D50	SSR-240D50	C	3-32 VDC	24-240 VAC	.1-50 A rms	Zero voltage turn-on	42.50	40.00	35.00	32.50
-SSR-480D125	SSR-480D125	C	3-32 VDC	48-660 VAC	.1-125 A rms	Zero voltage turn-on	65.06	61.23	53.58	49.75

P&B SSRT SERIES: SNUBBERLESS TRIAC OUTPUT "HOCKEY PUCK" SOLID STATE RELAY

cifications:
rm: SPST-NO
w cost snubberless triac outputs
aximum output when mounted to heatsink

Features:
- LED Indicator
- Floating terminal design

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Input Voltage	Line Voltage	Maximum Output*	Input Current (max.)	Price Each 1	10	25	50
Input										
5-SSRT-240A10	SSRT-240A10	C	90-280 VAC linear	24-280 VAC	.1-10 A rms	8.5mA	25.23	20.03	19.29	19.29
5-SSRT-240A25	SSRT-240A25	C	90-280 VAC linear	24-280 VAC	.1-25 A rms	8.5mA	31.84	29.97	26.22	24.35
Input										
5-SSRT-240D10	SSRT-240D10	C	3-32 VDC constant current	24-280 VAC	.1-10 A rms	14mA	22.62	21.94	19.96	17.30
5-SSRT-240D25	SSRT-240D25	C	3-32 VDC constant current	24-280 VAC	.1-25 A rms	14mA	26.57	21.09	20.31	17.97

P&B SSRD SERIES: DUAL AC OUTPUT "HOCKEY PUCK" SOLID STATE RELAY

cifications:
rm: 2 SPST-NO
erse parallel SCR outputs
aximum output when mounted to heatsink

Features:
- Two independent AC output solid state relays in one standard package
- Quick connect style terminals

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Input Voltage	Line Voltage	Maximum Output*	Options	Price Each 1	10	25	50
5-SSRD-240D25	SSRD-240D25	D	4-15 VDC	24-280 VAC	.1-25 A rms	Zero voltage turn-on	53.09	49.97	46.85	40.60
5-SSRD-240D40	SSRD-240D40	D	4-15 VDC	24-280 VAC	.1-40 A rms	Zero voltage turn-on	66.37	62.46	54.66	50.75

P&B SSRT SERIES: QUAD AC OUTPUT "HOCKEY PUCK" SOLID STATE RELAY

cifications:
rm: 4 SPST-NO
iac outputs
aximum output when mounted to heatsink

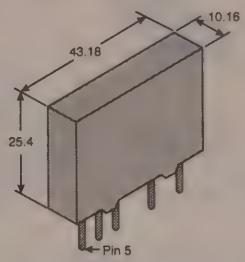
Features:
- Four independent AC output solid state relays in one standard package
- Quick connect style terminals

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Input Voltage	Line Voltage	Maximum Output*	Options	Price Each 1	10	25	50
5-SSRQ-240D20	SSRQ-240D20	E	4-15 VDC	24-280 VAC	- - -	Zero voltage turn-on	92.08	86.66	75.82	70.41

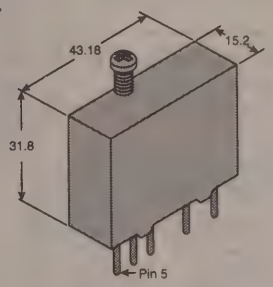
DIMENSIONS (mm)

A



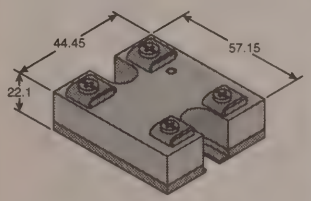
Pin 5 is not present on Output Modules

B



Pin 5 is not present on Output Modules

C



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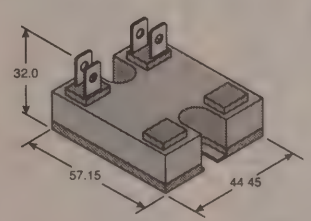

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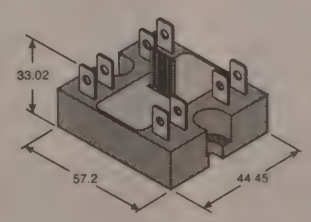
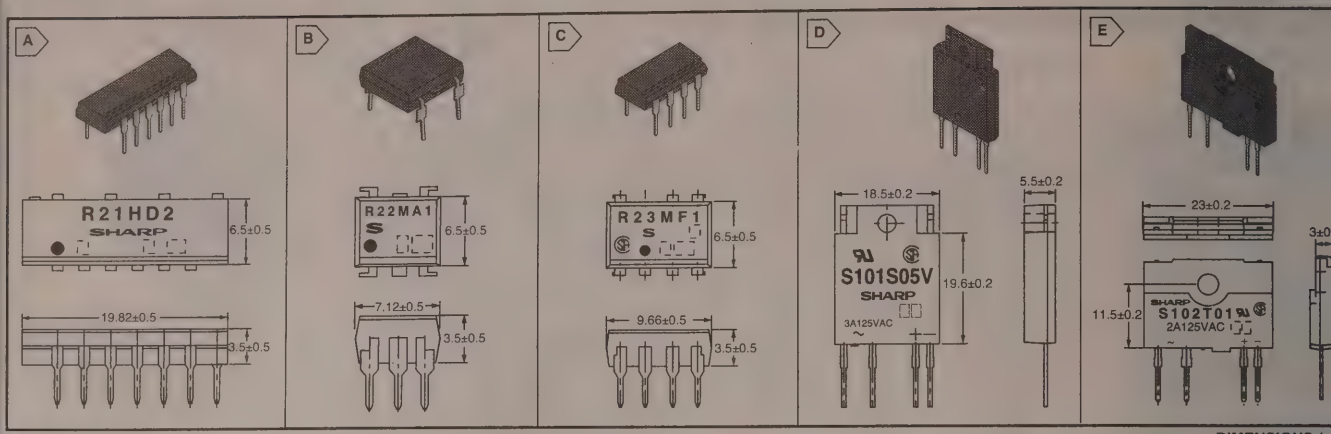


SHARP Solid State Relays

SHARP MICROELECTRONICS OF THE AMERICAS



DIMENSIONS (m

SHARP SOLID STATE RELAYS

These solid state relays are an integration of an infrared emitting diode (IRED), a Phototriac Detector and a main output Triac. These devices are ideally suited for controlling high voltage AC loads with solid state reliability while providing 4.0kV - 5.0kV (Viso (rms)) isolation from input to output.

Features:
- Lead Free

Applications:
- Isolated interface between high voltage AC devices and lower voltage DC control circuitry.
- Switching small capacity motors, fans, heaters, solenoids, and valves.
- Phase or power control in applications such as lighting and temperature control equipment.

For quantities of 100 and up, call for q

MOUSER STOCK NO.	Sharp Part Number	Fig.	Package Type	Lead Form	Function Type	dV/dt MIN	Trigger Current	ON-state current IT (rms)	Vdrm	Price Each 1	10	25	50
852-PR21HD22NSZF	PR21HD22NSZF	A	16-DIP	Through-Hole	Zero Cross	100	5 mA	1.5A	400	2.55	2.12	1.81	1.5
852-PR22MA11NTZF	PR22MA11NTZF	B	6-DIP	Through-Hole	Non-Zero Cross	100	10 mA	.15A	400	.78	.73	.68	.6
852-PR23MF11NSZF	PR23MF11NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.3A	400	.90	.84	.78	.7
852-PR26MF11NIPF	PR26MF11NIPF	C	8-DIP	SMT Gull Wing	Non-Zero Cross	100	10mA	0.6A	400	1.60	1.20	1.00	.9
852-PR26MF11NSZF	PR26MF11NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.6A	400	1.27	1.07	.98	.7
852-PR26MF12NSZF	PR26MF12NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.6A	400	1.30	1.10	1.00	.8
852-PR26MF21NSZF	PR26MF21NSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.6A	400	1.40	1.18	1.08	.8
852-PR29MF11NSZF	PR29MF11NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.9A	400	1.53	1.29	1.18	.9
852-PR29MF12NSZF	PR29MF12NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.9A	400	1.56	1.32	1.20	.9
852-PR29MF21NSZF	PR29MF21NSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.9A	400	1.56	1.30	1.10	.9
852-PR31HD22NSZF	PR31HD22NSZF	A	16-DIP	Through-Hole	Zero Cross	100	5 mA	1.5A	600	2.73	2.27	1.93	1.6
852-PR31MA11NTZF	PR31MA11NTZF	B	6-DIP	SMT Gull Wing	Non-Zero Cross	500	10 mA	.06A	600	1.30	1.10	1.00	.8
852-PR32MA11NTZF	PR32MA11NTZF	B	6-DIP	Through-Hole	Non-Zero Cross	100	10 mA	.15A	600	.78	.73	.68	.6
852-PR33MF11NSZF	PR33MF11NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.3A	600	1.02	.95	.88	.8
852-PR36MF11NSZF	PR36MF11NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.6A	600	1.50	1.26	1.15	.9
852-PR36MF11YSZF	PR36MF11YSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.6A	600	1.47	1.23	1.10	.9
852-PR36MF12NSZF	PR36MF12NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.6A	600	1.63	1.37	1.25	1.0
852-PR36MF12YSZF	PR36MF12YSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.6A	600	1.53	1.29	1.18	.9
852-PR36MF21NSZF	PR36MF21NSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.6A	600	1.63	1.37	1.25	1.0
852-PR36MF21YSZF	PR36MF21YSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.6A	600	1.61	1.35	1.21	.9
852-PR36MF22NSZF	PR36MF22NSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.6A	600	1.65	1.37	1.17	1.0
852-PR36MF22YSZF	PR36MF22YSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.6A	600	1.56	1.30	1.10	.9
852-PR39MF11YSZF	PR39MF11YSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.9A	600	1.56	1.30	1.10	.9
852-PR39MF12NSZF	PR39MF12NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.9A	600	1.68	1.40	1.19	1.0
852-PR39MF12YSZF	PR39MF12YSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.9A	600	1.65	1.37	1.15	1.0
852-PR39MF21NSZF	PR39MF21NSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.9A	600	1.74	1.45	1.23	1.0
852-PR39MF21YSZF	PR39MF21YSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.9A	600	1.72	1.43	1.21	1.0
852-PR39MF22NSZF	PR39MF22NSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.9A	600	1.83	1.52	1.30	1.1
852-PR39MF22YSZF	PR39MF22YSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.9A	600	1.81	1.50	1.27	1.1
852-PR39MF51NSZF	PR39MF51NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.9A	600	1.50	1.26	1.15	.9
852-PR3BMF51NSKF	PR3BMF51NSKF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	1.2A	600	1.56	1.32	1.20	.9
852-S101D01F	S101D01F	A	16-DIP	Through-Hole	Non-Zero Cross	200	10 mA	1.2A	400	2.45	2.02	1.71	1.4
852-S101D02F	S101D02F	A	16-DIP	Through-Hole	Non-Zero Cross	200	10 mA	1.2A	400	2.55	2.12	1.81	1.5
852-S101DH1F	S101DH1F	A	16-DIP	Through-Hole	Non-Zero Cross	200	10 mA	1.5A	400	2.22	1.85	1.57	1.3
852-S101DH2F	S101DH2F	A	16-DIP	Through-Hole	Non-Zero Cross	200	10 mA	1.5A	400	2.52	2.10	1.79	1.5
852-S101S05F	S101S05F	D	4-SIP	Through-Hole	Non-Zero Cross	30	15 mA	3A	400	3.98	3.57	3.18	2.7
852-S101S06F	S101S06F	D	4-SIP	Through-Hole	Zero Cross	30	15 mA	3A	400	4.28	3.84	3.42	2.9
852-S101S16F	S101S16F	D	4-SIP	Through-Hole	Zero Cross	30	15 mA	3A	400	5.40	4.86	4.32	3.7
852-S102S01F	S102S01F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	400	4.13	3.71	3.30	2.8
852-S102S02F	S102S02F	D	4-SIP	Through-Hole	Zero Cross	30	8 mA	8A	400	4.33	3.89	3.46	3.0
852-S102S11F	S102S11F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	400	8.15	7.33	6.52	5.7
852-S102S12F	S102S12F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	400	8.98	8.07	7.18	6.2
852-S102T01F	S102T01F	E	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	2A	400	3.18	2.85	2.54	2.2
852-S102T02F	S102T02F	E	4-SIP	Through-Hole	Zero Cross	30	8 mA	2A	400	3.65	3.28	2.92	2.5
852-S108T01F	S108T01F	E	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	400	4.13	3.71	3.20	2.8
852-S108T02F	S108T02F	E	4-SIP	Through-Hole	Zero Cross	30	8 mA	8A	400	4.35	3.91	3.48	3.0
852-S112S01F	S112S01F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	12A	400	5.00	4.50	4.00	3.5
852-S116S01F	S116S01F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	16A	400	5.55	4.99	4.44	3.8
852-S116S02F	S116S02F	D	4-SIP	Through-Hole	Zero Cross	30	8 mA	16A	400	6.05	5.44	4.84	4.2
852-S201DH1F	S201DH1F	A	16-DIP	Through-Hole	Non-Zero Cross	100	10 mA	1.5A	600	2.43	2.02	1.72	1.5
852-S201S06F	S201S06F	D	4-SIP	Through-Hole	Zero Cross	30	15 mA	3A	600	4.60	4.14	3.68	3.2
852-S202S01F	S202S01F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	600	4.28	3.84	3.42	2.9
852-S202S02F	S202S02F	D	4-SIP	Through-Hole	Zero Cross	30	8 mA	8A	600	5.25	4.72	4.20	3.6
852-S202S11F	S202S11F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	600	8.70	7.83	6.96	6.0
852-S202S12F	S202S12F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	600	9.40	8.46	7.52	6.5
852-S202SE1F	S202SE1F	D	4-SIP	Through-Hole	Zero Cross	30	8 mA	8A	600	4.73	4.25	3.78	3.3
852-S202SE2F	S202SE2F	D	4-SIP	Through-Hole	Zero Cross	30	8 mA	8A	600	5.25	4.72	4.20	3.6
852-S202T01F	S202T01F	E	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	2A	600	4.00	3.60	3.20	2.8
852-S202T02H	S202T02H	E	4-SIP	Through-Hole	Zero Cross	30	8 mA	2A	600	4.33	3.89	3.46	3.0
852-S208T01F	S208T01F	E	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	600	5.00	4.50	4.00	3.5
852-S208T02F	S208T02F	E	4-SIP	Through-Hole	Zero Cross	30	8 mA	8A	600	5.00	4.50	4.00	3.5
852-S212S01F	S212S01F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	12A	600	5.20	4.68	4.16	3.6
852-S216S01F	S216S01F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	16A	600	5.50	4.95	4.40	3.8
852-S216S02F	S216S02F	D	4-SIP	Through-Hole	Zero Cross	30	8 mA	16A	600	5.83	5.24	4.66	4.0
852-S216SE1F	S216SE1F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	16A	600	6.08	5.46	4.86	4.2
852-S216SE2F	S216SE2F	D	4-SIP	Through-Hole	Zero Cross	30	8 mA	16A	600	6.23	5.60	4.98	4.3

a company of Schneider Electric

Magnecraft
Your Contact for Industrial Relays

CLASS 78 GENERAL PURPOSE RELAYS

ifications:
act material: 3 amps bifurcated - silver gold plated
ps - silver gold flashed
& 15 Amps - silver cadmium oxide, gold flashed
power: 0.9 - 1.1 watts DC., 1.0 - 1.2 VA (60Hz) AC. @ 25°C
s B insulation
ctric strength: 1500Vrms

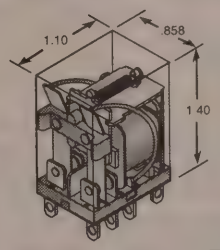
UL Recognized
File No. E52197

For quantities of 100 and up, call for quote.

OUSER CK NO.	Magnecraft® Part No.	Fig.	Contact Form	Contact Rating	Coil Volts	Coil Ohms	Price Each 1	10	25	50
der/Plug-in Mount										
-7880-97	782XAXC-12D	A1	SPDT	15A	12 VDC	160	5.32	4.92	4.66	4.39
-7880-6	782XBXC-6D	A2	DPDT	10A	6 VDC	40	5.50	5.09	4.81	4.54
-7880-7	782XBXC-12D	A2	DPDT	10A	12 VDC	160	3.96	3.66	3.47	3.27
-7880-8	782XBXC-24D	A2	DPDT	10A	24 VDC	650	3.96	3.66	3.47	3.27
-7810-1	782XDXIC-6D	A3	4PDT	3A	6 VDC	40	5.50	5.09	4.81	4.54
-7810-2	782XDXIC-12D	A3	4PDT	3A	12 VDC	160	3.96	3.66	3.47	3.27
-7810-3	782XDXIC-24D	A3	4PDT	3A	24 VDC	650	3.96	3.66	3.47	3.27
-7895-13	782XDX2C-24D	A3	4PDT	5A	24 VDC	650	5.50	5.09	4.81	4.54
-7870-9	782XBXC-24A	A2	DPDT	10A	24 VAC	180	4.26	3.94	3.73	3.51
-7870-11	782XBXC-120A	A2	DPDT	10A	120 VAC	4430	4.26	3.94	3.73	3.51
-7870-12	782XBXC-240A	A2	DPDT	10A	240 VAC	15,700	7.22	6.68	6.32	5.96
-7840-3	782XDXIC-24A	A3	4PDT	3A	24 VAC	180	5.94	5.49	5.20	4.90
-7840-5	782XDXIC-120A	A3	4PDT	3A	120 VAC	4430	5.94	5.49	5.20	4.90
-7840-6	782XDXIC-240A	A3	4PDT	3A	240 VAC	15,700	7.22	6.68	6.32	5.96
der/Plug-in Mount, Bifurcated										
-7815-2	782XDX3C-12A	A3	4PDT	3A	12 VAC	46	6.78	6.27	5.93	5.59
-7815-6	782XDX3C-240A	A3	4PDT	3A	240 VAC	15,700	7.96	7.36	6.97	6.57
der/Plug-in Mount, with Indicator Lamp										
-7850-10	782XAXCL-24D	A1	SPDT	15A	24 VDC	650	6.90	6.38	6.04	5.69
-7885-8	782XAXCL-24A	A1	SPDT	15A	24 VAC	180	6.94	6.42	6.07	5.73
-7885-9	782XAXCL-120A	A1	SPDT	15A	120 VAC	4430	6.94	6.42	6.07	5.73
closed, Printed Circuit Mount										
-7830-1	782XBXCT-6D	A2	DPDT	10A	6 VDC	40	5.50	5.09	4.81	4.54
-7830-2	782XBXCT-12D	A2	DPDT	10A	12 VDC	160	5.50	5.09	4.81	4.54
-7830-3	782XBXCT-24D	A2	DPDT	10A	24 VDC	650	5.50	5.09	4.81	4.54
-7820-2	782XDX3CT-12D	A3	4PDT	3A	12 VDC	160	3.96	3.66	3.47	3.27
-7820-3	782XDX3CT-24D	A3	4PDT	3A	24 VDC	650	5.50	5.09	4.81	4.54
-7850-5	W78ARPCX-5	A2	DPDT	10A	120 VAC	4430	5.94	5.49	5.20	4.90
-7835-6	782XBXCT-120A	A2	DPDT	10A	240 VAC	15,700	7.22	6.68	6.32	5.96
-7825-3	782XDX3CT-24A	A3	4PDT	3A	24 VAC	180	5.52	5.11	4.83	4.55
-7825-5	782XDX3CT-120A	A3	4PDT	3A	120 VAC	4430	5.52	5.11	4.83	4.55
ckets and Hold Down Clip for Class 78 Relays										
-3781	70-378-1		14 Pin Solder terminals, 4 Pole				.76	.70	.67	.63
-3791	70-379-1		14 Pin PC terminals, 4 Pole				1.06	.98	.93	.87
-401	70-401-1		8 Pin Solder terminals, 2 Pole				1.06	.98	.93	.87
-402	70-402-1		8 Pin PC terminals, 2 Pole				1.06	.98	.93	.87
-459	70-459-1		8 Pin DIN/Panel mnt. w/screw terminals				4.60	4.26	4.03	3.80
-461	70-461-1		14 Pin DIN/Panel mnt. w/screw terminals				3.30	3.05	2.89	2.72
-16-1342	16-1342		Hold down clip				.53	.50	.45	.41

DIMENSIONS (IN)

A



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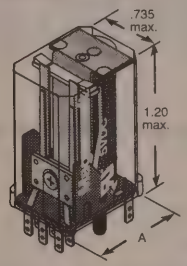
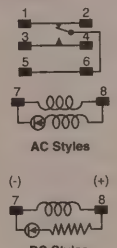


Form	A Dim.
DPDT	0.978
4PDT	1.156
6PDT	1.374
8PDT	1.592

TERMINAL ARRANGEMENT

1



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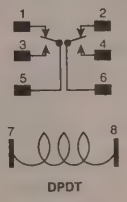

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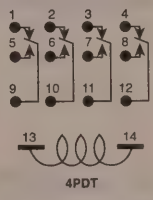

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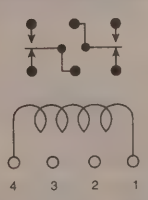

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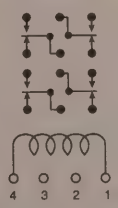

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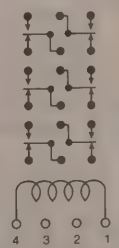

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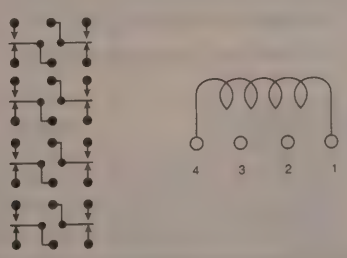


CLASS 67 MINIATURE ENCLOSED INDUSTRIAL RELAYS

cifications:
ntact resistance: 50MΩ max.
l power: 0.5 -1.5 watts DC, 1.5 VA - 2 VA (60 Hz) AC @ 25°C
ntact material: silver gold overlay
lectric strength: 1500Vrms

UL Recognized
File No. E52197 168986

For quantities of 100 and up, call for quote.

OUSER CK NO.	Magnecraft® Part No.	Fig.	Contact Form	Contact Rating	Coil Volts	Coil Ohms	Price Each 1	10	25	50
lder/Plug-in Mount										
8-6710-1	W67RCSX-1	B4	DPDT	5A	5 VDC	52	10.34	9.56	9.05	8.53
8-6710-2	W67RCSX-2	B4	DPDT	5A	12 VDC	185	10.34	9.56	9.05	8.53
8-6710-3	W67RCSX-3	B4	DPDT	5A	24 VDC	700	12.20	11.29	10.68	10.07
8-6710-6	W67RCSX-6	B5	4PDT	5A	5 VDC	52	13.24	12.25	11.59	10.92
8-6710-7	W67RCSX-7	B5	4PDT	5A	12 VDC	185	14.48	13.39	12.67	11.95
8-6710-8	W67RCSX-8	B5	4PDT	5A	24 VDC	700	14.48	13.39	12.67	11.95
8-6710-12	W67RCSX-12	B6	6PDT	5A	12 VDC	90	18.68	17.40	16.60	15.70
8-6710-13	W67RCSX-13	B6	6PDT	5A	24 VDC	430	20.25	18.85	17.95	17.00
8-6710-18	W67RCSX-18	B7	8PDT	5A	24 VDC	350	47.14	43.60	41.25	38.89
ckets for Class 67 Relays										
8-303	70-303-1	----	Solder terminals, DPDT, Chassis mount				2.14	1.98	1.87	1.77
8-304	70-304-1	----	PC terminals, DPDT, Chassis mount				2.14	1.98	1.87	1.77
8-305	70-305-1	----	Solder terminals, 4PDT, Chassis mount				2.48	2.29	2.17	2.05
8-306	70-306-1	----	PC terminals, 4PDT, Chassis mount				2.48	2.29	2.17	2.05
8-307	70-307-1	----	Solder terminals, 6PDT, Chassis mount				2.30	2.13	2.01	1.90
8-308	70-308-1	----	PC terminals, 6PDT, Chassis mount				2.30	2.13	2.01	1.90
8-309	70-309-1	----	Solder terminals, 8PDT, Chassis mount				2.48	2.29	2.17	2.05
8-310	70-310-1	----	PC terminals, 8PDT, Chassis mount				2.48	2.29	2.17	2.05

MAGNECRAFT General Purpose Relays

CLASS 9A SEALED GENERAL PURPOSE POWER RELAYS

UL Recognized
File No. E43641

Specifications:
- Contact resistance: 75mΩ @ 1A rated current
- Contact material: silver cadmium oxide
- Class F insulation
- Dielectric strength: 2500Vrms

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
Flange Mount										
528-9152-5	W9AS1D52-5	A1	SPST-NO	30A	5 VDC	25	3.12	2.89	2.73	2.57
528-9152-12	W9AS1D52-12	A1	SPST-NO	30A	12 VDC	144	3.12	2.89	2.73	2.57
528-9152-24	W9AS1D52-24	A1	SPST-NO	30A	24 VDC	576	3.12	2.89	2.73	2.57
528-9552-5	W9AS5D52-5	A2	SPDT	20A	5 VDC	25	3.42	3.16	2.99	2.82
528-9552-12	W9AS5D52-12	A2	SPDT	20A	12 VDC	144	3.42	3.16	2.99	2.82

CLASS 92 SEALED POWER RELAYS

Specifications:
- Contact resistance: 100,000,000 @ initial rated current (switched)
- Coil power: AC coil: 4.0VA; DC coil: 1.7W
- Contact material: silver cadmium oxide
- Class F insulation
- Dielectric strength: 1500Vrms
- DPDT- N.C. Load 3A

UL Recognized
File No. E43641

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
Flange Mount										
528-92722-12	92S7D22D-12D	B3	DPST-NO	30A	12 VDC	86	8.74	8.08	7.65	7.21
528-92722-24	92S7D22D-24D	B3	DPST-NO	30A	24 VDC	350	8.74	8.08	7.65	7.21
528-921122-12	92S11D22D-12D	B3	DPDT	30A	12 VDC	86	9.92	9.18	8.68	8.18
528-921122-24	92S11D22D-24D	B3	DPDT	30A	24 VDC	350	9.92	9.18	8.68	8.18
528-92S7A22-24	92S7A22D-24A	B4	DPST-NO	30A	24 VAC	250	10.38	9.60	9.08	8.56
528-92722-120	92S7A22D-120A	B5	DPST-NO	30A	120 VAC	1600	11.44	10.58	10.01	9.44
528-92S11A22-24	92S11A22D-24A	B6	DPDT	30A	24 VAC	250	11.14	10.30	9.75	9.19
528-921122-120	92S11A22D-120A	B6	DPDT	30A	120 VAC	1600	11.90	11.01	10.41	9.82

CLASS A283 SQUARE BASE RELAYS

Specifications:
- Contact resistance: 50mΩ max. initial resistance @ rated current
- Coil power: 1.2 watts for DC coils, 2 VA to 2.75 VA for AC @ 25°C
- Contact material: 0.187 silver cadmium oxide, gold flashed
- Class B insulation
- Dielectric strength: 2000Vrms

UL Recognized
File No. E43641

Base Relays

For quantities of 100 and up, call for quote.

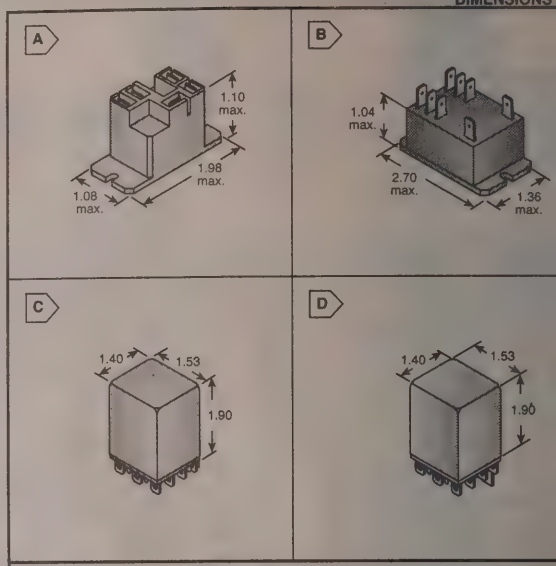
MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
Solder/Plug-in										
528-38815-6	A283XBXC-12D	C8	DPDT	15A	12 VDC	120	9.42	8.71	8.24	7.77
528-38815-7	A283XBXC-24D	C8	DPDT	15A	24 VDC	472	9.42	8.71	8.24	7.77
528-38815-10	A283XCXC-12D	C9	3PDT	15A	12 VDC	120	11.44	10.58	10.01	9.44
528-38815-11	A283XCXC-24D	C9	3PDT	15A	24 VDC	472	11.44	10.58	10.01	9.44
528-38825-9	A283XBXC1-120A	C8	DPDT	15A	120 VAC	2250	9.42	8.71	8.24	7.77
528-38825-13	A283XCXC-24A	C9	3PDT	15A	24 VAC	72	11.44	10.58	10.01	9.44
528-38825-14	A283XCXC-120A	C9	3PDT	15A	120 VAC	1700	11.44	10.58	10.01	9.44
Flange Mount										
528-38836-3	A283XAXC1-24D	C7	SPDT	15A	24 VDC	472	8.88	8.21	7.77	7.33
528-38836-6	A283XBXC1-12D	C8	DPDT	15A	12 VDC	120	9.42	8.71	8.24	7.77
528-38836-7	A283XBXC1-24D	C8	DPDT	15A	24 VDC	472	9.42	8.71	8.24	7.77
528-38836-11	A283XCXC1-24D	C9	3PDT	15A	24 VDC	472	11.44	10.58	10.01	9.44
150 VDC Switching, with Blowout Magnet										
528-38816-3	A283XBX69C-24D	D8	DPDT	3A	24 VDC	472	11.30	10.45	9.89	9.32
528-38817-2	A283HXX69C-12D	D10	SPST-NO-DM	10A	12 VDC	120	11.30	10.45	9.89	9.32
528-38817-5	A283HXX69C-110D	D10	SPST-NO-DM	10A	110 VDC	10,000	12.48	11.54	10.92	10.30

Sockets and Hold Down Clip for Series A283/W388 Square Base Relays

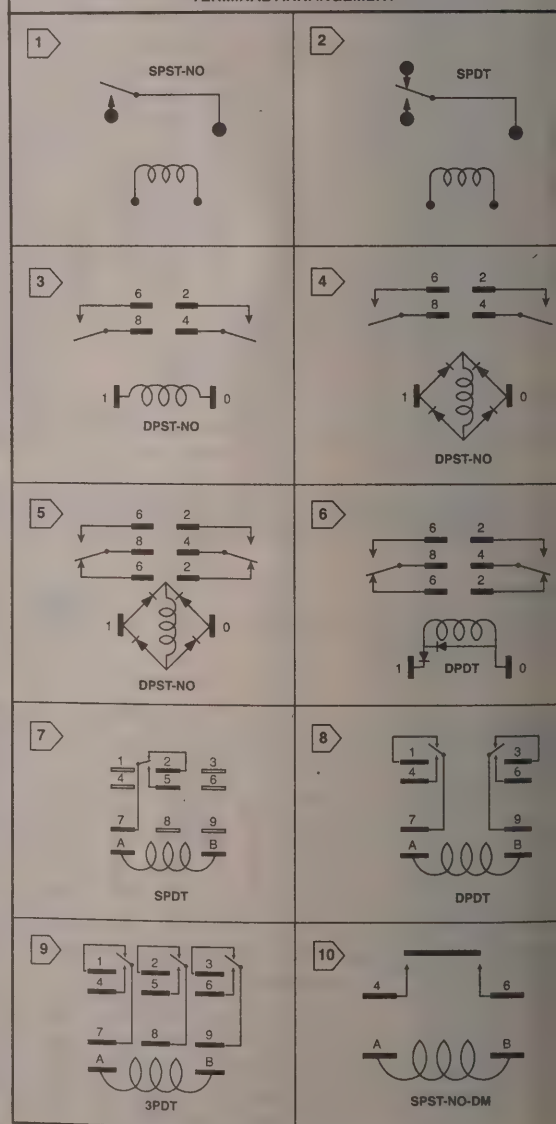
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Description	Price Each			
			1	10	25	50
528-1241	70-124-1	11 Pin Solder terminals with mounting tabs	1.10	1.02	.96	.91
528-1242	70-124-2	11 Pin Q.C. terminals with mounting tabs	1.10	1.02	.96	.91
528-1781	70-178-1	11 Pin PC terminals with mounting tabs	1.10	1.02	.96	.91
528-1782	70-178-2	11 Pin PC terminals without mounting tabs	1.10	1.02	.96	.91
528-4631	70-463-1	11 Pin DIN/Panel mount with screw terminals	3.14	2.90	2.75	2.59
528-16-1278	16-1278	Hold down clip	.56	.52	.49	.46

DIMENSIONS



TERMINAL ARRANGEMENT



MAGNECRAFT General Purpose Relays

a company of Schneider Electric

Magnecraft
Your Contact for Industrial Relays

Magnecraft CLASS 389 FLANGE MOUNT POWER RELAYS

cULus E43641 CSA 168986 UL

ifications:

tact resistance: 50mOhms max. initially
power: 1.44 watts for DC coils, 2 VA to 3.5 VA for AC coils
tact material: 0.250 silver cadmium oxide, gold flashed

- Class B insulation
- Dielectric strength: 1600 Vrms

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
-3898-2	W389CX-2	A1	SPDT	25A	12 VDC	100	11.70	10.82	10.24	9.65
-3898-3	W389CX-3	A1	SPDT	25A	24 VDC	400	11.70	10.82	10.24	9.65
-3898-7	W389CX-7	A2	DPDT	25A	12 VDC	100	12.76	11.80	11.17	10.53
-3898-8	W389CX-8	A2	DPDT	25A	24 VDC	400	12.76	11.80	11.17	10.53
-3898-12	W389CX-12	A3	3PDT	20A	12 VDC	100	14.62	13.52	12.79	12.06
-3898-13	W389CX-13	A3	3PDT	20A	24 VDC	400	14.62	13.52	12.79	12.06
-3897-8	W389ACX-8	A2	DPDT	25A	24 VAC	72	12.76	11.80	11.17	10.53
-3897-9	W389ACX-9	A2	DPDT	25A	120 VAC	1700	12.76	11.80	11.17	10.53
-3897-10	W389ACX-10	A2	DPDT	25A	240 VAC	7200	13.52	12.51	11.83	11.15
-3897-14	W389ACX-14	A3	3PDT	20A	120 VAC	1200	14.62	13.52	12.79	12.06
-3897-15	W389ACX-15	A3	3PDT	20A	240 VAC	4600	15.40	14.25	13.48	12.71

Magnecraft CLASS 781 SLIM POWER RELAYS

cULus E43641 CSA 168986 UL

cifications:

l power: 0.7 watts DC, 0.9 VA (60Hz) AC @ 25°C
ntact material: silver cadmium oxide, gold flashed
ss B insulation
lectric strength: 1500 Vrms

Features:

- Pushbutton allows for manual operation of the relay without coil power
- Flag indicator shows relay status of either manual or powered
- LED status lamp shows coil "on" or "off" status
- Polycarbonate dust cover

Applications:

- Ideal in low light conditions
- Ideal to test control circuits

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
lder/Plug-in										
-781X-12D	781XAXML-12D	B4	SPDT	15A	12 VDC	180	5.52	5.11	4.83	4.55
-781X-24D	781XAXML-24D	B4	SPDT	15A	24 VDC	750	5.52	5.11	4.83	4.55
-781X-110D	781XAXML-110D	B4	SPDT	15A	110 VDC	13800	5.52	5.11	4.83	4.55
-781X-24A	781XAXML-24A	B4	SPDT	15A	24 VAC	160	5.52	5.11	4.83	4.55
-781X-120A	781XAXML-120A	B4	SPDT	15A	120 VAC	4430	5.52	5.11	4.83	4.55
-781X-240A	781XAXML-240A	B4	SPDT	15A	240 VAC	15720	5.52	5.11	4.83	4.55
ckets and Hold Down Clip for Class 781 Relays										
-70781D1	70-781D-1	----	5 Pin DIN/Panel mnt. w/screw terminals				4.14	3.83	3.62	3.42
-70781F1	70-781F-1	----	5 Pin Solder terminals for Panel Mount				1.66	1.54	1.45	1.37
-70781T1	70-781T-1	----	5 Pin PC terminals				1.66	1.54	1.45	1.37
-16-1326	16-1326	----	Hold down clip				.34	.31	.30	.28

Magnecraft CLASS 782 GENERAL PURPOSE RELAYS

cULus E43641 CSA 168986 UL

cifications:

l power: 0.9 watts DC, 1.2 VA (60Hz) AC @ 25°C
ntact material: 3 amps bifurcated - silver gold plated
3 amps - silver gold flashed
10 & 15 amps - silver cadmium oxide, gold flashed
ss B insulation
lectric strength: 1500 Vrms

Features:

- Lockdown door holds pushbutton and contacts in the operate position
- Flag indicator shows relay status of either manual or powered
- LED status lamp shows coil "on" or "off" status
- Polycarbonate dust cover

Applications:

- Ideal in low light conditions
- Ideal to test control circuits

For quantities of 100 and up, call for quote.

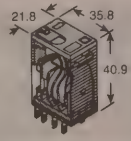
MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
lder/Plug-in										
-782X4-12D	782XBXM4L-12D	C5	DPDT	15A	12 VDC	160	6.90	6.38	6.04	5.69
-782X4-24D	782XBXM4L-24D	C5	DPDT	15A	24 VDC	650	6.90	6.38	6.04	5.69
-782X4-110D	782XBXM4L-110D	C5	DPDT	15A	110 VDC	11000	6.90	6.38	6.04	5.69
-782X24-12D	782XDX2M4L-12D	C6	4PDT	5A	12 VDC	160	6.90	6.38	6.04	5.69
-782X24-24D	782XDX2M4L-24D	C6	4PDT	5A	24 VDC	650	6.90	6.38	6.04	5.69
-782X24-110D	782XDX2M4L-110D	C6	4PDT	5A	110 VDC	11000	6.90	6.38	6.04	5.69
-782X4-24A	782XBXM4L-24A	C5	DPDT	15A	24 VAC	180	6.90	6.38	6.04	5.69
-782X4-120A	782XBXM4L-120A	C5	DPDT	15A	120 VAC	4430	6.90	6.38	6.04	5.69
-782X24-24A	782XDX2M4L-24A	C6	4PDT	5A	24 VAC	180	6.90	6.38	6.04	5.69
-782X24-120A	782XDX2M4L-120A	C6	4PDT	5A	120 VAC	4430	6.90	6.38	6.04	5.69
-782X24-240A	782XDX2M4L-240A	C6	4PDT	5A	240 VAC	15700	6.90	6.38	6.04	5.69
C. Solder/Plug-in										
-782X14-12D	782XDX1M4L-12D	C6	4PDT	3A	12 VDC	160	6.90	6.38	6.04	5.69
-782X14-24D	782XDX1M4L-24D	C6	4PDT	3A	24 VDC	650	6.90	6.38	6.04	5.69
-782X14-110D	782XDX1M4L-110D	C6	4PDT	3A	110 VDC	11000	6.90	6.38	6.04	5.69
-782X14-120A	782XDX1M4L-120A	C6	4PDT	3A	120 VAC	4430	6.90	6.38	6.04	5.69
lder/Plug-in, Bifurcated										
-782X34-12D	782XDX3M4L-12D	C6	4PDT	3A	12 VDC	160	6.90	6.38	6.04	5.69
-782X34-24D	782XDX3M4L-24D	C6	4PDT	3A	24 VDC	650	6.90	6.38	6.04	5.69
-782X34-24A	782XDX3M4L-24A	C6	4PDT	3A	24 VAC	180	6.90	6.38	6.04	5.69
ckets and Hold Down Clip for Class 782 Relays										
-3781	70-378-1	----	14 Pin Solder terminals, 4 Pole				.76	.70	.67	.63
-3791	70-379-1	----	14 Pin PC terminals, 4 Pole				1.06	.98	.93	.87
-401	70-401-1	----	8 Pin Solder terminals, 2 Pole				1.06	.98	.93	.87
-402	70-402-1	----	8 Pin PC terminals, 2 Pole				4.60	4.26	4.03	3.80
-459	70-459-1	----	8 Pin DIN/Panel mnt. w/screw terminals				3.30	3.05	2.89	2.72
-461	70-461-1	----	14 Pin DIN/Panel mnt. w/screw terminals				.53	.50	.45	.41
-16-1342	16-1342	----	Hold down clip for short relays				.44	.41	.39	.36
-16-1341	16-1341	----	Hold down clip for tall relays							

DIMENSIONS (mm)

A

B

C



TERMINAL ARRANGEMENT

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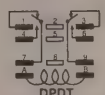

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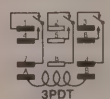

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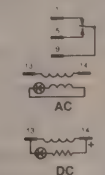

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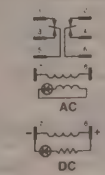

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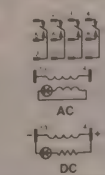


Magnecraft General Purpose Relays

Magnecraft CLASS 782H HERMETICALLY SEALED RELAYS

Specifications:
- UL Listed when used with DIN mount socket 528-461 and hold down clip 528-1328 listed below
- Coil power: 0.9 watts DC, 1.2 VA (60Hz) AC @ 25°C
- Class B insulation
- Dielectric strength: 1240 Vrms

Features:
- Vacuum baked and dry nitrogen filled
- Removes contaminants and provides a clean and dry atmosphere for contacts
- Hermetically sealed metal enclosure

Applications:
- Ideal for use in hazardous locations

E43641

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
Solder/Plug-in										
528-782XH21-12D	782XDXH21-12D	A1	4PDT	5A	12 VDC	160	59.00	56.20	53.63	50.05
528-782XH10-24D	782XDXH10-24D	A1	4PDT	3A	24 VDC	650	59.00	56.20	53.63	50.05
528-782XH21-24D	782XDXH21-24D	A1	4PDT	5A	24 VDC	650	59.00	56.20	53.63	50.05
528-782XH10-110D	782XDXH10-110D	A1	4PDT	3A	110 VDC	11,000	59.00	56.20	53.63	50.05
528-782XH10-120A	782XDXH10-120A	A1	4PDT	3A	120 VAC	3900	59.00	56.20	53.63	50.05
Sockets and Hold Down Clip for Class 782XDXH Relays										
528-3781	70-378-1	----	14 Pin Solder terminals, 4 Pole				.76	.70	.67	.63
528-3791	70-379-1	----	14 Pin PC terminals, 4 Pole				1.06	.98	.93	.87
528-461	70-461-1	----	14 Pin DIN/Panel mnt. w/screw terminals				3.30	3.05	2.89	2.72
528-16-1341	16-1341	----	Hold down clip for tall relays				.44	.41	.39	.36

Magnecraft CLASS 788 SQUARE BASE GENERAL PURPOSE RELAYS

Specifications:
- UL Listed when used with DIN mount socket 528-4631
- Contact resistance: 50 milliohms max. @10 amps
- Coil power: 1.4 watts DC, 2 VA to 3.55 VA (60Hz) AC @ 25°C
- Contact material: silver cadmium oxide, gold flashed
- Class B insulation
- Dielectric strength: 2500 Vrms

Features:
- Lock-down door holds pushbutton and contacts in the operate position
- Flag indicator shows relay status
- LED status lamp shows coil "on" or "off" status
- Polycarbonate dust cover

Applications:
- Ideal in low light conditions
- Ideal to test control circuits
- Excellent to analyze circuit problems

E43641 LR40787

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
Solder/Plug-in										
528-788X4-12D	788XBXM4L-12D	B2	DPDT	12A	12 VDC	120	11.28	10.43	9.87	9.31
528-788X4-24D	788XBXM4L-24D	B2	DPDT	12A	24 VDC	470	11.28	10.43	9.87	9.31
528-788X4-110D	788XBXM4L-110D	B2	DPDT	12A	110 VDC	10,000	11.28	10.43	9.87	9.31
528-788XC4-12D	788XCXM4L-12D	B3	3PDT	12A	12 VDC	120	12.88	11.91	11.27	10.63
528-788XC4-24D	788XCXM4L-24D	B3	3PDT	12A	24VDC	470	12.88	11.91	11.27	10.63
528-788XC4-110D	788XCXM4L-110D	B3	3PDT	12A	110 VDC	10,000	12.88	11.91	11.27	10.63
528-788X4-240A	788XBXM4L-240A	B2	DPDT	12A	240 VAC	9100	11.28	10.43	9.87	9.31
528-788XC4-24A	788XCXM4L-24A	B3	3PDT	12A	24 VAC	72	12.88	11.91	11.27	10.63
528-788XC4-120A	788XCXM4L-120A	B3	3PDT	12A	120 VAC	1700	12.88	11.91	11.27	10.63
Sockets and Hold Down Clip for Class 788 Relays										
528-1241	70-124-1	----	11 Pin Solder terminals w/mounting tabs				1.10	1.02	.96	.91
528-1242	70-124-2	----	11 Pin Q.C. terminals w/mounting tabs				1.10	1.02	.96	.91
528-1781	70-178-1	----	11 Pin PC terminals w/mounting tabs				1.10	1.02	.96	.91
528-1782	70-178-2	----	11 Pin PC terminals w/o mounting tabs				1.10	1.02	.96	.91
528-4631	70-463-1	----	11 Pin DIN/Panel mnt. w/screw terminals				3.14	2.90	2.75	2.59
528-16-1278	16-1278	----	Hold down clip				.56	.52	.49	.46

Magnecraft CLASS 750 OCTAL BASE GENERAL PURPOSE RELAYS

Specifications:
- UL Listed when used with DIN mount sockets 528-464 or 528-465 listed below
- Contact resistance: 50 milliohms max. @10 amps
- Coil power: 1.4 watts DC, 2 VA to 3.55 VA (60Hz) AC @ 25°C
- Contact material: silver cadmium oxide, gold flashed
- Class B insulation
- Dielectric strength: 2500 Vrms

Features:
- Lock-down door holds pushbutton and contacts in the operate position
- Flag indicator shows relay status
- LED status lamp shows coil "on" or "off" status
- Polycarbonate dust cover

Applications:
- Ideal in low light conditions
- Ideal to test control circuits
- Excellent to analyze circuit problems

E43641 LR40787

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ohms	1	10	25	50
8 Pin										
528-750X4-12D	750XBXM4L-12D	C4	DPDT	12A	12 VDC	120	11.50	10.64	10.06	9.49
528-750X4-24D	750XBXM4L-24D	C4	DPDT	12A	24 VDC	470	11.50	10.64	10.06	9.49
528-750X4-24A	750XBXM4L-24A	C4	DPDT	12A	24 VAC	72	11.50	10.64	10.06	9.49
528-750X4-120A	750XBXM4L-120A	C4	DPDT	12A	120 VAC	1700	11.50	10.64	10.06	9.49
528-750X4-240A	750XBXM4L-240A	C4	DPDT	12A	240 VAC	9100	11.50	10.64	10.06	9.49
11 Pin										
528-750XC4-12D	750XCXM4L-12D	C5	3PDT	12A	12 VDC	120	13.34	12.34	11.67	11.01
528-750XC4-24D	750XCXM4L-24D	C5	3PDT	12A	24 VDC	470	13.34	12.34	11.67	11.01
528-750XC4-120A	750XCXM4L-120A	C5	3PDT	12A	120 VAC	1700	13.34	12.34	11.67	11.01
528-750XC4-240A	750XCXM4L-240A	C5	3PDT	12A	240 VAC	9100	13.34	12.34	11.67	11.01
Sockets for Class 750 Relays										
528-464	70-464-1	----	8 Pin Octal DIN/Panel mnt. w/screw terminals				1.82	1.68	1.59	1.50
528-465	70-465-1	----	11 Pin Octal DIN/Panel mnt. w/screw terminals				2.64	2.44	2.31	2.18

Magnecraft TYPE 821 TIME DELAY AND TYPE 831 VOLTAGE SENSING RELAYS

Features for Type 821:
- Universal Voltage Supply
- 10 Timing Functions
- Wide Time Range

Benefits for Type 821:
- Accepts 12 to 240 VAC / VDC
- 0.1 second to 10 days
- Clips directly to Din Rail

Features for Type 831:
- Time Delay
- Two Status LEDs
- Din Module

Benefits for Type 831:
- Sense over voltage, under voltage or both
- 0-10 second
- Clips directly to 35mm Din Rail

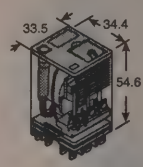
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Input	Current Rating (RMS)	Price Each			
					1	10	25	50
Type 821 Time Delay								
528-821TD10H-UNI	821TD10H-UNI	D	12-240VAC/VDC	0.1 - 10 seconds	61.67	58.58	55.56	52.41
Type 831 Voltage Sensing								
528-831VS-120A	831VS-120A	E	120 VAC	0 - 10 seconds	65.61	62.33	59.05	55.76

DIMENSIONS

A

B



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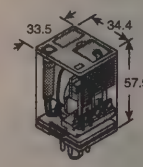

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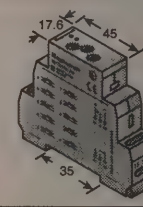

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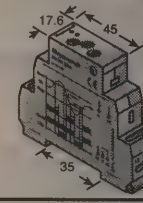
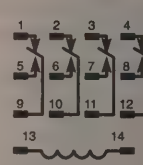
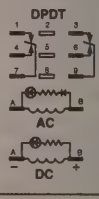


TERMINAL ARRANGEMENT

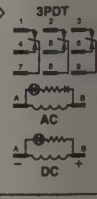
1 4PDT



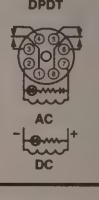
2 DPDT



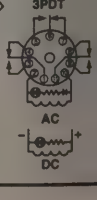
3 3PDT



4 DPDT



5 3PDT



MOUSER ELECTRONICS a tti company

(800) 346-6873

MAGNECRAFT Time Delay and Heavy-Duty Relays

a company of Schneider Electric

Magnecraft
Your Contact for Industrial Relays

CLASS 211 OCTAL BASE TIME DELAY RELAYS

Specifications:
Contact rating: 10A
Contact form: DPDT

Features:
- Hybrid circuitry combined with integrated circuits for a multitude of timing functions.

E43641

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Input	Current Rating (RMS)	Price Each 1	10	25	50
Delay Function, with 8 Pin Plug								
211SOX-1	W211CPSOX-1	A1	24 VDC	0.1 - 10 sec.	53.60	49.58	46.90	44.22
211SOX-3	W211CPSOX-3	A1	24 VDC	1.0 - 180 sec.	53.60	49.58	46.90	44.22
211SOX-7	W211ACPSOX-7	A1	120 VAC	1.0 - 180 sec.	53.08	49.10	46.45	43.79
211SOX-8	W211ACPSOX-8	A1	120 VAC	2.0 - 300 sec.	53.08	49.10	46.45	43.79
Delay Function, with 11 Pin Plug								
211SRX-1	W211CPSRX-1	A2	24 VDC	0.1 - 10 sec.	53.60	49.58	46.90	44.22
211SRX-5	W211ACPSRX-5	A2	120 VAC	0.1 - 10 sec.	54.50	50.41	47.69	44.96
211SRX-7	W211ACPSRX-7	A2	120 VAC	1.0 - 180 sec.	54.50	50.41	47.69	44.96
211SRX-60	W211ACPSRX-60	A2	120 VAC	1.0 - 15 min.	54.50	50.41	47.69	44.96
kets for Class 211 Octal Base Relays								
464	70-464-1	----	8 Pin Octal DIN/Panel mnt. w/screw terminals		1.82	1.68	1.59	1.50
465	70-465-1	----	11 Pin Octal DIN/Panel mnt. w/screw terminals		2.64	2.44	2.31	2.18

CLASS 388 SQUARE BASE TIME DELAY RELAYS

Specifications:
Contact rating: 12A
Contact form: DPDT

- Contact material: silver cadmium oxide
- Operating mode: on delay

E43641

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Input	Current Rating (RMS)	Price Each 1	10	25	50
38840-42	W388ACPSOX-42	B3	120 VAC	0.1 - 10 Seconds	66.62	58.79	54.87	52.91
kets and Hold Down Clip for Class 388 Adjustable Time-Delay Relays								
1241	70-124-1	----	11 Pin Solder terminals w/mounting tabs		1.10	1.02	.96	.91
1242	70-124-2	----	11 Pin Q.C. terminals w/mounting tabs		1.10	1.02	.96	.91
1781	70-178-1	----	11 Pin PC terminals w/mounting tabs		1.10	1.02	.96	.91
1782	70-178-2	----	11 Pin PC terminals w/o mounting tabs		1.10	1.02	.96	.91
4631	70-463-1	----	11 Pin DIN/Panel mnt. w/screw terminals		3.14	2.90	2.75	2.59
16-1278	16-1278	----	Hold down clip		.56	.52	.49	.46

CLASS TDRPRO PROGRAMMABLE TIME DELAY RELAYS

Specifications:
Contact rating: 12A
Contact material: silver cadmium oxide, gold flashed
Nominal input: 24-240 VAC/VDC
Operating modes available: on delay, repeat, one shot, off delay, and interval

Features:
- Unique and versatile with up to 5 functions in a single package.
- Red LED lamp indicator
- Class F insulation

E43641

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact Form	Load Voltage	Current Rating (RMS)	Price Each 1	10	25	50
8-TDRPRO-5000	TDRPRO-5000	C4	DPDT	5	11	116.30	106.60	98.40	93.15
8-TDRPRO-5001	TDRPRO-5001	C5	SPDT	5	8	116.30	106.60	98.40	93.15
8-TDRPRO-5002	TDRPRO-5002	C6	DPDT	3	8	116.30	106.60	98.40	93.15
ckets for Series TDRPRO Programmable Time-Delay Relays									
8-464	70-464-1	----	8 Pin Octal DIN/Panel mnt. w/screw terminals			1.82	1.68	1.59	1.50
8-465	70-465-1	----	11 Pin Octal DIN/Panel mnt. w/screw terminals			2.64	2.44	2.31	2.18

OR SERIES COMPACT TIME DELAY RELAYS

Specifications:
Contact material: Silver alloy
Contact rating: 12A
Temp Range: -20°C to + 55°C

- Wide Time Range: 0.1 seconds to 10 hour, 8 scales, fine adjustment with knob
- Indicator LED's: Green-power applied, Red-output energized
- Compact Size: 36mm wide to optimize DIN Rail space

E43641

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact Form	Input Voltage	Mating Sockets Part No.	Price Each 1	10	25	50
Pin Octal Base - On Delay / Interval									
8-TDRSOXP-24V	TDRSOXP-24V	D	DPDT	24 VAC/VDC	528-464	36.00	30.64	28.98	27.32
8-TDRSOXP-120V	TDRSOXP-120V	D	DPDT	120 VAC/VDC	528-464	36.00	30.64	28.98	27.32
Pin Octal Base - Off Delay / Retriggerable One Shot									
8-TDRSRXP-24V	TDRSRXP-24V	D	DPDT	24 VAC/VDC	528-465	36.00	30.64	28.98	27.32
8-TDRSRXP-120V	TDRSRXP-120V	D	DPDT	120 VAC/VDC	528-465	36.00	30.64	28.98	27.32
Blade Square Base - On Delay / Interval									
8-TDRSOXB-24V	TDRSOXB-24V	E	DPDT	24 VAC/VDC	528-4631	36.00	30.64	28.98	27.32
8-TDRSOXB-120V	TDRSOXB-120V	E	DPDT	120 VAC/VDC	528-4631	36.00	30.64	28.98	27.32
Blade Square Base - Off Delay / Retriggerable One Shot									
8-TDRSRXB-24V	TDRSRXB-24V	E	DPDT	24 VAC/VDC	528-4631	36.00	30.64	28.98	27.32
8-TDRSRXB-120V	TDRSRXB-120V	E	DPDT	120 VAC/VDC	528-4631	36.00	30.64	28.98	27.32

CLASS 199 HEAVY DUTY POWER RELAYS

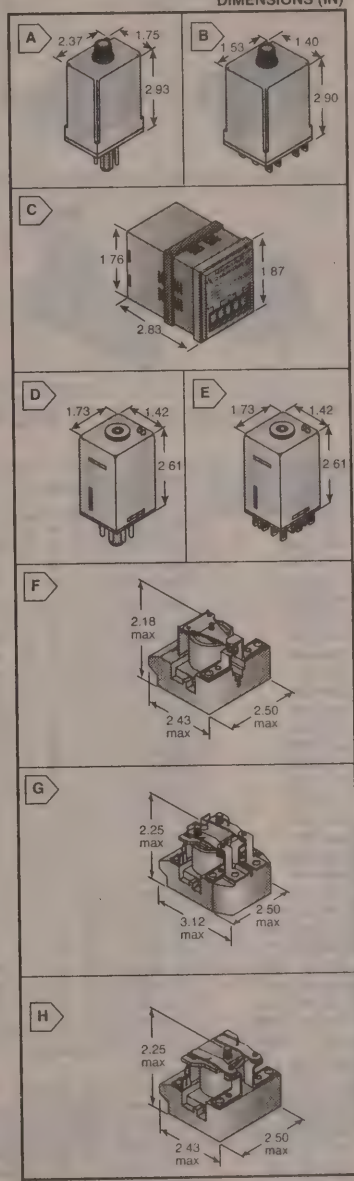
Specifications:
Contact resistance: 50mOhms initially
Coil power: 2.0 watts DC., 10 VA (60Hz) AC @ 25°C
Panel mount, open style construction
Contact material: Silver cadmium oxide, gold flashed

- Class 816 insulation
- Combination screw terminals
- Dielectric strength: 1500 Vrms

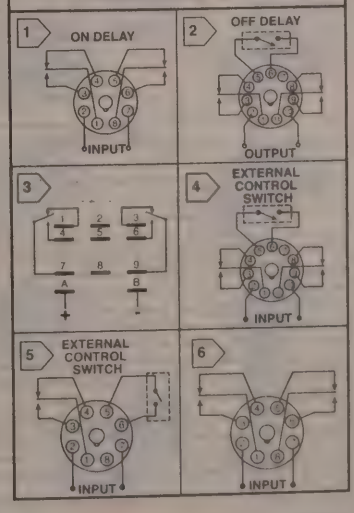
For quantities of 100 and up, call for quote.

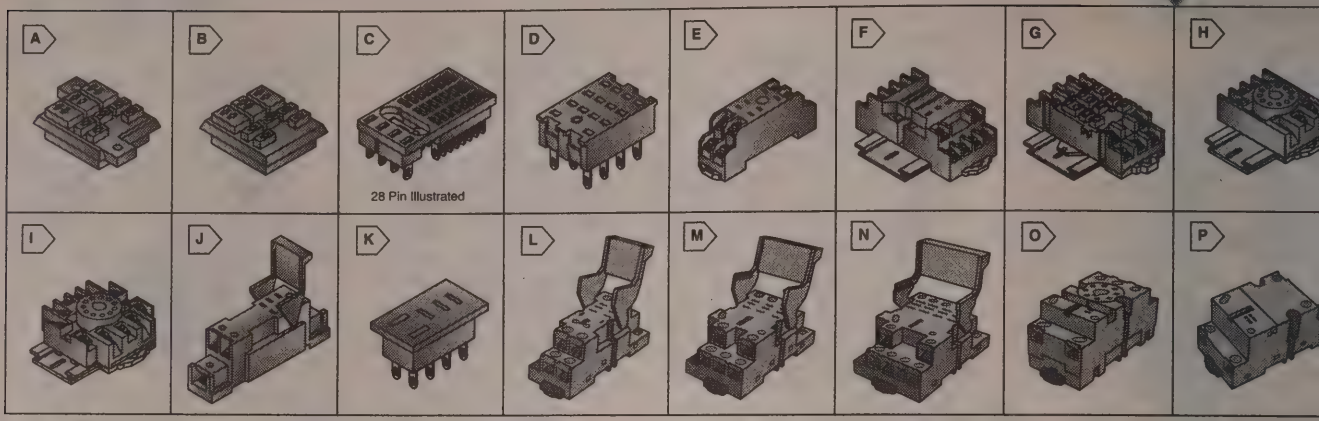
MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact Form	Contact Rating	Coil Volts	Coil Ohms	Price Each 1	10	25	50
28-199X-2	W199X-2	F	SPDT	30A	12 VDC	70	16.02	14.82	14.02	13.22
28-199X-12	W199X-12	G	DPDT	30A	12 VDC	70	19.74	18.26	17.27	16.29
28-199X-13	W199X-13	G	DPDT	30A	24 VDC	290	19.76	18.28	17.29	16.30
28-199X-7	W199X-7	H	DPST-NO	30A	12 VDC	70	17.12	15.84	14.98	14.12
28-199X-8	W199X-8	H	DPST-NO	30A	24 VDC	290	17.12	15.84	14.98	14.12
28-199AX-4	W199AX-4	F	SPDT	30A	120 VAC	290	16.02	14.82	14.02	13.22
28-199AX-14	W199AX-14	G	DPDT	30A	120 VAC	290	19.94	18.44	17.45	16.45
28-199AX-15	W199AX-15	G	DPDT	30A	240 VAC	1200	20.22	18.70	17.69	16.68
28-199AX-8	W199AX-8	H	DPST-NO	30A	24 VAC	12	17.12	15.84	14.98	14.12
28-199AX-9	W199AX-9	H	DPST-NO	30A	120 VAC	290	17.12	15.84	14.98	14.12

DIMENSIONS (IN)



TERMINAL ARRANGEMENT





Magnecraft SOCKETS AND ACCESSORIES

For quantities of 100 and up, call for q

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Socket Specifications	Hold Down Clip	Associated Relay Series	Price Each 1	10	25	5
528-1241	70-124-1	A	11 Pin Solder terminals w/mounting tabs	16-1278	388/A283,788	1.10	1.02	.96	.
528-1242	70-124-2	A	11 Pin Q.C. terminals w/mounting tabs	16-1278	388/A283,788	1.10	1.02	.96	.
528-1781	70-178-1	A	11 Pin PC terminals w/mounting tabs	16-1278	388/A283,788	1.10	1.02	.96	.
528-1782	70-178-2	B	11 Pin PC terminals w/o mounting tabs	16-1278	388/A283,788	1.10	1.02	.96	.
528-303	70-303-1	C	Solder terminals, DPDT, Chassis mount	Included	67	2.14	1.98	1.87	1.
528-304	70-304-1	C	PC terminals, DPDT, Chassis mount	Included	67	2.14	1.98	1.87	1.
528-305	70-305-1	C	Solder terminals,4PDT, Chassis mount	Included	67	2.48	2.29	2.17	2.
528-306	70-306-1	C	PC terminals, 4PDT, Chassis mount	Included	67	2.48	2.29	2.17	2.
528-307	70-307-1	C	Solder terminals, 6PDT, Chassis mount	Included	67	2.30	2.13	2.01	1.
528-308	70-308-1	C	PC terminals, 6PDT, Chassis mount	Included	67	2.30	2.13	2.01	1.
528-309	70-309-1	C	Solder terminals, 8PDT , Chassis mount	Included	67	2.48	2.29	2.17	2.
528-310	70-310-1	C	PC terminals, 8PDT, Chassis mount	Included	67	2.48	2.29	2.17	2.
528-3781	70-378-1	D	14 Pin Solder terminals, 4 Pole	16-1342	78, 782H, 782XBX/XDX	.76	.70	.67	.
528-3791	70-379-1	D	14 Pin PC terminals, 4 Pole	16-1342	78, 782H, 782XBX/XDX	1.06	.98	.93	.
528-401	70-401-1	D	8 Pin Solder terminals, 2 Pole	16-1342	78, 782H, 782XBX/XDX	1.06	.98	.93	.
528-402	70-402-1	D	8 Pin PC terminals, 2 Pole	16-1342	78, 782H, 782XBX/XDX	1.06	.98	.93	.
528-459	70-459-1	E	8 Pin DIN/Panel mnt. w/screw terminals	16-1342	78, 782XBX	4.60	4.26	4.03	3.
528-461	70-461-1	F	14 Pin DIN/Panel mnt. w/screw terminals	16-1342	78, 782H, 782XBX/XDX	3.30	3.05	2.89	2.
528-4631	70-463-1	G	11 Pin DIN/Panel mnt. w/screw terminals	16-1278	388/A283, 788	3.14	2.90	2.75	2.
528-464	70-464-1	H	8 Pin Octal DIN/Panel mnt. w/screw terminals	16-1344	211, 250ML, 750, TDRPRO, TDRSOXP	1.82	1.68	1.59	1.
528-465	70-465-1	I	11 Pin Octal DIN/Panel mnt. w/screw terminals	16-1352 / 16-1344	211, 250ML, 750, TDRPRO, TDRSRXP	2.64	2.44	2.31	2.
528-70781D1	70-781D-1	J	5 Pin DIN/Panel mnt. w/screw terminals	16-1327	781	4.14	3.83	3.62	3.
528-70781F1	70-781F-1	K	5 Pin Solder terminals for Panel Mount	16-1326	781	1.66	1.54	1.45	1.
528-70781T1	70-781T-1	K	5 Pin PC terminals	16-1326	781	1.66	1.54	1.45	1.
528-70-782D-1	70-782D-1	L	DPDT Ice-cube DIN/Panel logic socket	16-1349	782	5.16	5.00	4.69	4.
528-70-783D-1	70-783D-1	M	3PDT Ice-cube DIN/Panel logic socket	16-1350	783	5.86	5.65	5.30	4.
528-70-784D-1	70-784D-1	N	4PDT Ice-cube DIN/Panel logic socket	16-1351	784	7.98	7.60	7.25	6.
528-70-750D8-1	70-750D8-1	O	8-PIN Octal DIN/Panel logic socket	16-1332	211, 222, 236, TDRPRO, TDRSOXP, 750	5.62	5.40	5.12	4.
528-70-750D11-1	70-750D11-1	P	11-PIN Octal DIN/Panel logic socket	16-1332	211, 250ML, 750, 755, TDRPRO, TDRSRXP	6.51	6.25	5.91	5.

HOLD DOWN CLIPS

For quantities of 100 and up, call for qu

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Description	Price Each 1	10	25	5
528-16-1278	16-1278	—	Metal Clip for A283/388 Series Relay	.56	.52	.49	.
528-16-1326	16-1326	—	Metal Clip for 70-781F-1 & 70-781T-1 Socket	.34	.31	.30	.
528-16-1327	16-1327	—	Plastic Clip for 70-781D-1 Socket	1.13	1.02	.96	.
528-16-1341	16-1341	—	Socket Clip for 781, 782, 783, and 784 "Ice Cube Relay"	.44	.41	.39	.
528-16-1342	16-1342	—	Metal Clip for 782 Style Sockets	.53	.50	.45	.

Cross Reference

Magnecraft	Allen-Bradley	Aromat	Clare	Deltrol	Idec	Finder	Meder
W78	700-HC54/HC14	HC40-AC/DC			RY, RH		
78XCX					RH3B		
78XDX					RH4B	56.34	
W107,171,172DIP			PRMA		RN		DIP
W117SIP			DSS41		RP		SIL
A178		JS1			RCN		
W199				202, 203, 209			
W250/A314				201	RR2P, 3P		
300				208			
W388				203, 205, 268	RR1B-RR3B		
W388DB				166E			
388J						62.32, 62.33	
388V						62.22, 62.32-3	
W389				208			
W389D				208			
389F						62.82, 62.83	
750	700HA32/HA33					60	
W6		AQP10/20/40A2			RSS		
781/78XAX					RH1, RH1V		
782	700-HC24					56.32, 55.34, 55.32	

NTE ELECTRONICS, INC.

TE R02 SERIES, GENERAL PURPOSE MULTICONTACT

atures:
dicator lamp types (N-suffix)
pin and 11 pin Octal plug-in types
PDT and 3PDT types
ear plastic dust cover
ng life contacts

Electrical Specifications:
- Operating and Release time: 25mS or less
- Insulation material: molded polyester
- Insulation resistance: 1 x 10^3MΩ (min.)
- Duty cycle: continuous
- Operating temperature: -10°C to +50°C (AC), -10°C to +60°C (DC)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Nominal Voltage	Contact Arr.	Coil Resistance Ω (typ.)	Nominal Power	Max. Contact Cur. @ 28VDC or 120VAC	Price Each 1	5	10	25
C Operated										
6-R02-11A10-12	A	12VAC	DPDT	- - -	2.0VA	10A	13.78	12.90	12.35	11.93
6-R02-11A10-24	A	24VAC	DPDT	- - -	2.0VA	10A	11.45	11.22	10.90	10.58
6-R02-11A10-120	A	120VAC	DPDT	- - -	2.0VA	10A	13.00	12.83	12.67	12.25
6-R02-11A10-120N	A	120VAC	DPDT	- - -	2.0VA	10A	18.20	16.31	15.93	15.40
6-R02-11A10-240	A	240VAC	DPDT	- - -	2.0VA	10A	14.20	13.21	13.02	12.59
6-R02-14A10-120	B	120VAC	3PDT	- - -	2.75VA	10A	14.45	14.22	13.90	13.58
6-R02-14A10-120N	B	120VAC	3PDT	- - -	2.75VA	10A	14.45	14.22	13.90	13.58
C Operated										
6-R02-11D10-12	A	12VDC	DPDT	120	1.0W	10A	11.62	11.30	10.98	10.76
6-R02-11D10-24	A	24VDC	DPDT	470	1.0W	10A	12.21	11.91	11.68	11.41
6-R02-11D10-110	A	110VDC	DPDT	10K	1.2W	10A	13.59	13.36	13.07	12.63
6-R02-14D10-12	B	12VDC	3PDT	120	1.0W	10A	15.75	15.55	15.36	14.85
6-R02-14D10-24	B	24VDC	3PDT	470	1.0W	10A	14.20	13.90	13.60	13.40

ockets and Accessories for Series R02 Relays

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Electrical Rating Volts	Amps	Price Each 1	5	10	25
6-R95-101	F	8 Pin Octal Surface mount	600	10	4.86	4.51	4.05	3.92
6-R95-113	G	8 Pin Octal DIN rail mount	300	10	4.29	4.06	3.94	3.81
6-R95-104	H	11 Pin Octal Surface mount	600	10	8.19	7.92	7.11	6.87
6-R95-114	I	11 Pin Octal DIN rail mount	300	10	5.88	5.72	5.51	5.32
6-R95-125	- -	Aluminum DIN rail	- - -	- - -	5.78	5.69	5.55	5.37
6-R95-001	- -	Hold down clip	- - -	- - -	1.68	1.60	1.26	1.18

TE R10 SERIES, GENERAL PURPOSE

atures:
187" 3-way terminals suitable for
lug-in, solder, and quick connect
DPDT and 3PDT
Clear see-thru cover

Electrical Specifications:
- Operating time: 20mS (DPDT), 24mS (3PDT)
- Release time: 28mS (DPDT), 26mS (3PDT)
- Duty cycle: continuous
- Operating temperature: -30°C to +50°C (AC), -30°C to +65°C (DC)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Nominal Voltage	Contact Arr.	Coil Resistance Ω (typ.)	Nominal Power	Max. Contact Cur. @ 28VDC or 120VAC	Price Each 1	5	10	25
AC Operated										
26-R10-11A10-24	C1	24VAC	DPDT	- - -	2.0VA	10A	8.82	8.67	8.55	8.26
26-R10-11A10-120F	D	120VAC	DPDT	- - -	2.0VA	10A	9.10	8.95	8.85	8.54
26-R10-14A10-24	C2	24VAC	3PDT	- - -	2.75VA	10A	10.49	10.19	9.56	9.02
26-R10-14A10-120	C2	120VAC	3PDT	- - -	2.75VA	10A	10.49	10.39	10.23	9.89
DC Operated										
26-R10-11D10-12	C1	12VDC	DPDT	120	1.2W	10A	8.56	8.44	7.79	7.53
26-R10-11D10-24	C1	24VDC	DPDT	470	1.2W	10A	8.56	8.44	7.79	7.53
26-R10-14D10-12	C2	12VDC	3PDT	120	1.2W	10A	9.88	9.77	9.52	9.21
26-R10-14D10-24	C2	24VDC	3PDT	470	1.2W	10A	9.88	9.77	9.53	9.21

ockets and Accessories for Series R10 Relays

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Electrical Rating Volts	Amps	Price Each 1	5	10	25
26-R95-105	J	11 Pin Surface mount w/screw term.	300	10	8.68	8.52	7.80	7.54
26-R95-115	K	11 Pin DIN rail mount	300	10	7.59	6.60	6.41	6.19
26-R95-125	- -	Aluminum DIN rail	- - -	- - -	5.78	5.69	5.55	5.37
26-R95-001	- -	Hold down clip	- - -	- - -	1.68	1.60	1.26	1.18

TE R12 SERIES, GENERAL PURPOSE

eatures:
Slightly larger than 1 cubic inch
High reliability, 50 million operations
Plug-in or solder terminal

Electrical Specifications:
- Operating time: 25mS or less
- Release time: 25mS or less
- Operating temperature: -30°C to +55°C
- Duty cycle: continuous

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Nominal Voltage	Contact Arr.	Coil Resistance Ω (typ.)	Nominal Power	Max. Contact Cur. @ 28VDC or 120VAC	Price Each 1	5	10	25
AC Operated										
526-R12-17A3-24	E	24VAC	4PDT	- - -	1.2VA	5A	12.70	12.58	12.41	11.99
526-R12-17A3-120	E	120VAC	4PDT	- - -	1.2VA	5A	12.70	12.58	12.41	11.99
DC Operated										
526-R12-17D3-12	E	12VDC	4PDT	160	.9W	3A	10.89	10.75	10.58	10.22
526-R12-17D3-24	E	24VDC	4PDT	650	.9W	5A	10.89	10.75	10.58	10.22

Sockets and Accessories for Series R12 Relays

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Electrical Rating Volts	Amps	Price Each 1	5	10	25
526-R95-107	L	14 Pin PC mount	120	5	1.63	1.48	1.23	1.19
526-R95-122	M	14 Pin Panel mount	120	5	1.30	1.15	1.12	1.08
526-R95-106A	N	14 Pin Surface mount	300	7	7.73	7.63	7.48	7.22
526-R95-117	N	14 Pin DIN rail mount	300	7	7.05	6.96	6.79	6.58
526-R95-125	- -	Aluminum DIN rail	- - -	- - -	5.78	5.69	5.55	5.37
526-R95-001	- -	Hold down clip	- - -	- - -	1.68	1.60	1.26	1.18

DIMENSIONS (IN.)

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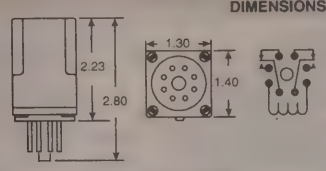

Can be used with Socket Accessories 526-R95-101 and 526-R95-113

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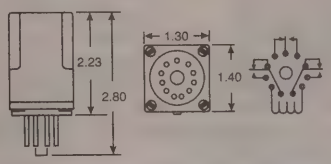

Can be used with Socket Accessories 526-R95-104 and 526-R95-114

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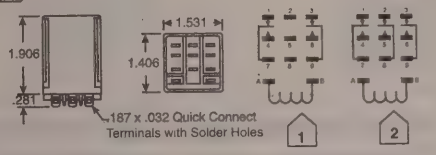

Can be used with Socket Accessories 526-R95-105 and 526-R95-115

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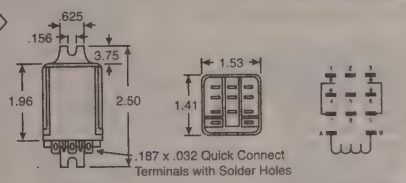

Can be used with Socket Accessories 526-R95-105 and 526-R95-115

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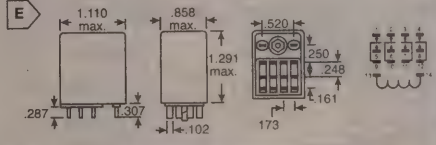

Can be used with Socket Accessories 526-R95-106A, 526-R95-107, 526-R95-117, and 526-R95-122

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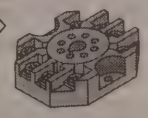

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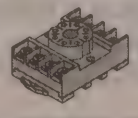

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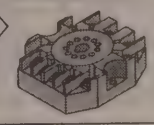

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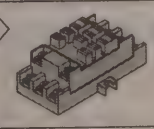

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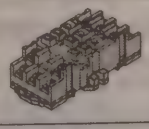

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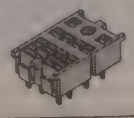

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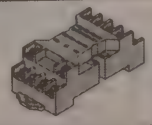

NTE General Purpose Relays

R14 SERIES, GENERAL PURPOSE

Features:
- Slightly larger than 1 cubic inch
- Plug-in or solder terminals, will also accept .187" faston terminals
- High reliability, 50 million operations

Electrical Specifications:
- Operating time: 25mS or less
- Release time: 25mS or less
- Duty cycle: continuous
- Operating temperature: -30°C to +55°C

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Nominal Voltage	Contact Arr.	Coil Resistance Ω (typ.)	Nominal Power	Max. Contact Cur. @ 28VDC or 120VAC	Price Each 1	5	10	25
AC Operated										
526-R14-11A10-12	A	12VAC	DPDT	- - -	1.2VA	10A	8.47	8.27	8.09	7.82
526-R14-11A10-24	A	24VAC	DPDT	- - -	1.2VA	10A	8.47	8.27	8.09	7.82
526-R14-11A10-120	A	120VAC	DPDT	- - -	1.2VA	10A	10.05	8.58	8.40	8.12
526-R14-5A15-120	A	120VAC	SPDT	- - -	1.2VA	15A	8.26	7.69	7.47	7.21
DC Operated										
526-R14-11D10-12	A	12VDC	DPDT	160	.9W	10A	7.95	7.89	7.63	7.36
526-R14-11D10-24	A	24VDC	DPDT	650	.9W	10A	7.95	7.89	7.63	7.36
526-R14-5D15-24	A	24VDC	SPDT	650	.9W	15A	7.40	7.30	7.15	6.90

Sockets and Accessories for R14 Series Relays

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Electrical Rating Volts	Amps	Price Each 1	5	10	25
526-R95-120	F	8 Pin PC mount	300	10	1.82	1.54	1.34	1.29
526-R95-111	G	8 Pin Panel mount	300	10	2.21	1.76	1.71	1.65
526-R95-110	H	8 Pin Surface mount	300	10	7.58	7.36	7.15	6.90
526-R95-121	I	8 Pin DIN rail mount	300	10	5.39	5.34	5.24	5.07
526-R95-125	- -	Aluminum DIN rail	- - -	- - -	5.78	5.69	5.55	5.37
526-R95-001	- -	Hold down clip	- - -	- - -	1.68	1.60	1.26	1.18

NTE R16 SERIES, MINIATURE INDUSTRIAL

Features:
- DPDT and 4PDT versions
- Combination solder/plug-in terminals
- Gold overlay bar type long life contacts

Electrical Specifications:
- Operating time: 12mS (DPDT), 14mS (4PDT) or less
- Release time: 8mS or less
- Operating temperature: -55°C to +70°C, 10 sec. (max.)
- DC Operated

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Nominal Voltage	Contact Arr.	Coil Resistance Ω (typ.)	Nominal Power	Max. Contact Cur. @ 28VDC or 120VAC	Price Each 1	5	10	25
526-R16-11D5-5	B	5/6VDC	DPDT	52	.5W	5A	14.41	13.97	13.86	13.38
526-R16-11D5-12	B	12VDC	DPDT	185	.75W	5A	16.55	16.32	15.91	15.36
526-R16-11D5-24	B	24VDC	DPDT	700	1W	5A	18.77	18.51	18.05	17.43
526-R16-17D5-12	C	12VDC	4PDT	185	1W	5A	17.89	17.63	17.21	16.62
526-R16-17D5-24	C	24VDC	4PDT	700	1W	5A	17.67	17.38	16.99	16.41
526-R16-11D3-12	B	12VDC	DPDT	185	.75W	3A	14.38	14.08	13.83	13.36
526-R16-17D3-12	C	12VDC	4PDT	185	.75W	3A	13.06	12.95	12.56	12.12

Sockets and Accessories for Series R16 Relays

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Electrical Rating Volts	Amps	Price Each 1	5	10	25
526-R95-102	J	10 Pin PC mount	1000	5	2.18	2.18	2.04	1.97
526-R95-108	K	16 Pin PC mount	1000	10	2.70	2.70	2.54	2.45
526-R95-125	- -	Aluminum DIN rail	- - -	- - -	5.78	5.69	5.55	5.37
526-R95-001	- -	Hold down clip	- - -	- - -	1.68	1.60	1.26	1.18

NTE R51 SERIES, GENERAL PURPOSE

Features:
- 250" quick disconnect terminals
- Flange mount - "F" suffix

Electrical Specifications:
- Operating time: 7mS
- Operating temperature: -40°C to +125°C
- Storage temperature: -40°C to +155°C
- Release time: 2mS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Nominal Voltage	Contact Arr.	Coil Resistance Ω (typ.)	Nominal Power	Max. Contact Cur. @ 28VDC or 120VAC	Price Each 1	5	10	25
526-R51-5D40-12	D	12VDC	SPDT	90	1.6W	40A	6.28	5.80	5.64	5.45
526-R51-5D40-12F	D	12VDC	SPDT	90	1.6W	40A	6.87	6.04	5.87	5.67

NTE R55 SERIES, GENERAL PURPOSE

Features:
- Flange mount

Electrical Specifications:
- Operating temperature: -30°C to +60°C

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Nominal Voltage	Contact Arr.	Coil Resistance Ω (typ.)	Nominal Power	Max. Contact Cur. @ 28VDC or 120VAC	Price Each 1	5	10	25
526-R55-11D20-12F	E	12VDC	DPDT	100	1.5W	20A	13.18	13.02	12.80	12.36
526-R55-11D20-24F	E	24VDC	DPDT	400	1.5W	20A	13.18	13.02	12.80	12.36

Relay Selector Guide and Cross Reference

Cross reference guide containing over 84,600 original type numbers from over 250 manufacturers.
NTE offers an exclusive two-year warranty with the purchase of any NTE relay.

MOUSER STOCK NO.	Price Each
526-EL07-07	2.95

DIMENSIONS (IN

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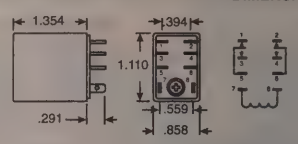

Can be used with Socket Accessories 526-R95-110, 526-R95-111, 526-R95-120, and 526-R95-121

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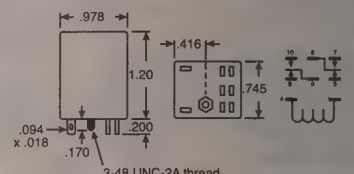

Can be used with Socket Accessory 526-R95-102

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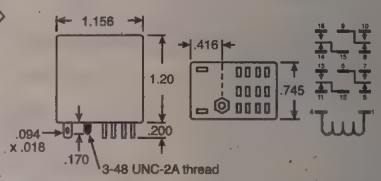

Can be used with Socket Accessory 526-R95-108

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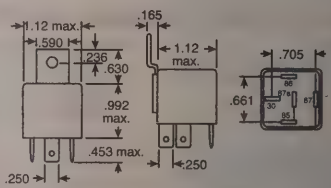

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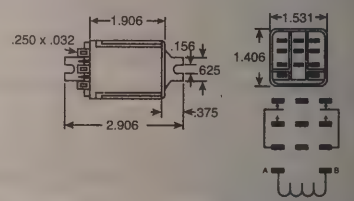

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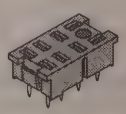

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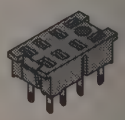

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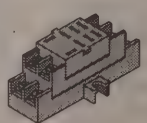

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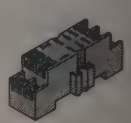

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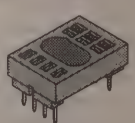

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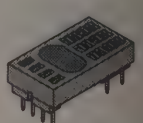

MOUSER ELECTRONICS a tti company

OMRON General Purpose & Power Relays

OMRON ELECTRONIC COMPONENTS

LY SERIES: GENERAL PURPOSE RELAYS

Specifications:
- Operate/Release time: 25/25 ms
- Mechanical Life: AAC-50 million operations min. (at 18,000/hr.)
- DC-1 billion operations min. (at 18,000/hr.)

Features:
- Arc barrier equipped
- High dielectric strength (2000 VAC)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Terminal Type	Mounting Type	Coil Voltage	Contact Form	Contact Rating	Dim. "W"(mm)	Price Each 1	25	50	100
653-LY1-0-DC12	LY1-0-DC12	A	PCB	Standard	12VDC	SPDT	15 A	21.59	6.74	6.01	5.29	4.85
653-LY1-0-DC24	LY1-0-DC24	A	PCB	Standard	24VDC	SPDT	15 A	21.59	6.74	6.01	5.29	4.85
653-LY1-0-AC24	LY1-0-AC24	A	PCB	Standard	24VAC	SPDT	15 A	21.59	6.74	6.01	5.29	4.85
653-LY1-0-AC1	LY1-0-AC110/120	A	PCB	Standard	110/120VAC	SPDT	15 A	21.59	6.74	6.01	5.29	4.85
653-LY2-0-DC12	LY2-0-DC12	A	PCB	Standard	12VDC	DPDT	10 A	21.59	7.56	6.75	5.93	5.44
653-LY2-0-DC24	LY2-0-DC24	A	PCB	Standard	24VDC	DPDT	10 A	21.59	7.56	6.75	5.93	5.44
653-LY2-0-AC24	LY2-0-AC24	A	PCB	Standard	24VAC	DPDT	10 A	21.59	7.56	6.75	5.93	5.44
653-LY2-0-AC1	LY2-0-AC110/120	A	PCB	Standard	110/120VAC	DPDT	10 A	21.59	7.56	6.75	5.93	5.44
653-LY1-DC12	LY1-DC12	A	Plug-in/Solder	Standard	12VDC	SPDT	15 A	21.59	6.43	5.74	5.04	4.63
653-LY1-DC24	LY1-DC24	A	Plug-in/Solder	Standard	24VDC	SPDT	15 A	21.59	6.43	5.74	5.04	4.63
653-LY1-AC24	LY1-AC24	A	Plug-in/Solder	Standard	24VAC	SPDT	15 A	21.59	6.74	6.01	5.29	4.85
653-LY1-AC1	LY1-AC110/120	A	Plug-in/Solder	Standard	110/120VAC	SPDT	15 A	21.59	6.74	6.01	5.29	4.85
653-LY2-DC12	LY2-DC12	A	Plug-in/Solder	Standard	12VDC	DPDT	10 A	21.59	7.56	6.75	5.93	5.44
653-LY2-DC24	LY2-DC24	A	Plug-in/Solder	Standard	24VDC	DPDT	10 A	21.59	7.56	6.75	5.93	5.44
653-LY2-AC24	LY2-AC24	A	Plug-in/Solder	Standard	24VAC	DPDT	10 A	21.59	7.56	6.75	5.93	5.44
653-LY2-AC1	LY2-AC110/120	A	Plug-in/Solder	Standard	110/120VAC	DPDT	10 A	21.59	7.56	6.75	5.93	5.44
653-LY3-DC12	LY3-DC12	A	Plug-in/Solder	Standard	12VDC	3PDT	10 A	31.49	11.20	9.24	8.16	7.37
653-LY3-DC24	LY3-DC24	A	Plug-in/Solder	Standard	24VDC	3PDT	10 A	31.49	11.20	9.24	8.16	7.37
653-LY3-AC24	LY3-AC24	A	Plug-in/Solder	Standard	24VAC	3PDT	10 A	31.49	11.20	9.24	8.16	7.37
653-LY3-AC1	LY3-AC120	A	Plug-in/Solder	Standard	120VAC	3PDT	10 A	31.49	11.20	9.24	8.16	7.37
653-LY4-DC12	LY4-DC12	A	Plug-in/Solder	Standard	12VDC	4PDT	10 A	41.4	12.07	10.77	9.46	8.48
653-LY4-DC24	LY4-DC24	A	Plug-in/Solder	Standard	24VDC	4PDT	10 A	41.4	12.07	10.77	9.46	8.48
653-LY4-AC24	LY4-AC24	A	Plug-in/Solder	Standard	24VAC	4PDT	10 A	41.4	12.07	10.77	9.46	8.48
653-LY4-AC1	LY4-AC120	A	Plug-in/Solder	Standard	120VAC	4PDT	10 A	41.4	12.07	10.77	9.46	8.48
653-LY1F-DC12	LY1F-DC12	B	Plug-in/Solder	Upper mounting	12VDC	SPDT	15 A	22.6	6.85	6.11	5.37	4.81
653-LY1F-DC24	LY1F-DC24	B	Plug-in/Solder	Upper mounting	24VDC	SPDT	15 A	22.6	6.85	6.11	5.37	4.81
653-LY1F-AC24	LY1F-AC24	B	Plug-in/Solder	Upper mounting	24VAC	SPDT	15 A	22.6	6.85	6.11	5.37	4.81
653-LY1F-AC1	LY1F-AC110/120	B	Plug-in/Solder	Upper mounting	110/120VAC	SPDT	15 A	22.6	6.85	6.11	5.37	4.81
653-LY2F-DC12	LY2F-DC12	B	Plug-in/Solder	Upper mounting	12VDC	DPDT	10 A	22.6	7.73	6.89	6.06	5.43
653-LY2F-DC24	LY2F-DC24	B	Plug-in/Solder	Upper mounting	24VDC	DPDT	10 A	22.6	7.73	6.89	6.06	5.43
653-LY2F-AC24	LY2F-AC24	B	Plug-in/Solder	Upper mounting	24VAC	DPDT	10 A	22.6	7.73	6.89	6.06	5.43
653-LY2F-AC1	LY2F-AC110/120	B	Plug-in/Solder	Upper mounting	110/120VAC	DPDT	10 A	22.6	7.73	6.89	6.06	5.43
653-LY3F-DC12	LY3F-DC12	B	Plug-in/Solder	Upper mounting	12VDC	3PDT	10 A	32.0	11.20	9.24	8.16	7.37
653-LY3F-DC24	LY3F-DC24	B	Plug-in/Solder	Upper mounting	24VDC	3PDT	10 A	32.0	11.20	9.24	8.16	7.37
653-LY3F-AC24	LY3F-AC24	B	Plug-in/Solder	Upper mounting	24VAC	3PDT	10 A	32.0	11.20	9.24	8.16	7.37
653-LY3F-AC1	LY3F-AC120	B	Plug-in/Solder	Upper mounting	120VAC	3PDT	10 A	32.0	11.20	9.24	8.16	7.37
653-LY4F-DC12	LY4F-DC12	B	Plug-in/Solder	Upper mounting	12VDC	4PDT	10 A	41.4	12.07	10.77	9.46	8.48
653-LY4F-DC24	LY4F-DC24	B	Plug-in/Solder	Upper mounting	24VDC	4PDT	10 A	41.4	12.07	10.77	9.46	8.48
653-LY4F-AC24	LY4F-AC24	B	Plug-in/Solder	Upper mounting	24VAC	4PDT	10 A	41.4	12.07	10.77	9.46	8.48
653-LY4F-AC1	LY4F-AC120	B	Plug-in/Solder	Upper mounting	120VAC	4PDT	10 A	41.4	12.07	10.77	9.46	8.48
Accessories for LY Series					**Description**							
653-PT08	PT08				Back connecting socket for SPDT & DPDT, solder				1.77	1.62	1.42	1.25
653-PT08-0	PT08-0				PC terminal socket for SPDT & DPDT, PCB				1.77	1.62	1.42	1.25
653-PTF08A-E	PTF08A-E				Track mounted socket for SPDT and DPDT				4.88	4.46	3.90	3.45
653-PTF14A-E	PTF14A-E				Track mounted socket for 4PDT				7.31	6.68	5.85	5.43
653-PYC-P	PYC-P				Hold-down clip for back connecting socket				.28	.25	.22	.20
653-PFP-M	PFP-M				DIN rail end stop plate				.69	.63	.56	.50
653-PFP-100N	PFP-100N				DIN rail 100cm (39")				6.36	5.79	5.13	4.60

MY/MY-S SERIES: GENERAL PURPOSE RELAYS

Specifications:
- Operate/Release time: 25/25 ms
- Mechanical Life: AAC-50 million operations min. (at 18,000/hr.)
- DC-1 billion operations min. (at 18,000/hr.)

Features:
- Arc barrier equipped
- High dielectric strength (2000 VAC)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Rating	Coil Voltage	Contact Form	Price Each 1	25	50	100
653-MY2-DC12	MY2-DC12(S)	C	10A	12VDC	DPDT	5.33	4.76	4.32	3.75
653-MY2-DC24	MY2-DC24(S)	C	10A	24VDC	DPDT	5.33	4.76	4.32	3.75
653-MY2-AC24	MY2-AC24(S)	C	10A	24VAC	DPDT	5.33	4.76	4.32	3.75
653-MY2-AC1	MY2-AC110/120(S)	C	10A	110/120VAC	DPDT	5.54	4.94	4.49	3.89
653-MY4-DC12	MY4-DC12(S)	C	5A	12VDC	4PDT	6.38	5.69	5.18	4.49
653-MY4-DC24	MY4-DC24(S)	C	5A	24VDC	4PDT	6.38	5.69	5.18	4.49
653-MY4-AC24	MY4-AC24(S)	C	5A	24VAC	4PDT	6.38	5.69	5.18	4.49
653-MY4-AC1	MY4-AC110/120(S)	C	5A	110/120VAC	4PDT	6.55	5.84	5.31	4.60
Accessories for MY Series				**Description**					
653-PY08	PY08			Back connecting socket for DPDT, solder terminals		1.60	1.42	1.28	1.14
653-PY08-02	PY08-02			Back connecting socket for DPDT, PCB terminals		1.60	1.42	1.28	1.14
653-PYF08A-E	PYF08A-E			Track mounted socket for DPDT		5.15	4.58	4.12	3.66
653-PYF08S	PYF08S			Screwless clamp terminal socket for DPDT		5.82	5.21	4.59	4.14
653-PY14	PY14			Back connecting socket for 4PDT, solder terminals		1.77	1.59	1.40	1.26
653-PY14-02	PY14-02			Back connecting socket for 4PDT, PCB terminals		1.77	1.59	1.40	1.26
653-PYF14A-E	PYF14A-E			Track mounted socket for 4PDT		7.49	6.66	5.99	5.33
653-PYF14S	PYF14S			Screwless clamp terminal socket for DPDT		9.58	8.57	7.56	6.81
653-PYC-A1	PYC-A1			Hold-down clip for track mounted socket		.28	.25	.22	.18
653-PYC-P	PYC-P			Hold-down clip for back connecting socket		.28	.25	.22	.18
653-PFP-M	PFP-M			DIN rail end stop plate		.69	.63	.56	.50
653-PFP-100N	PFP-100N			DIN rail 100cm (39")		6.36	5.79	5.13	4.60

DIMENSIONS (mm)

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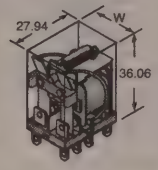

Shown w/plug-in/solder terminals

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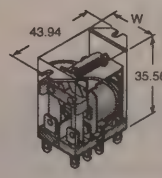

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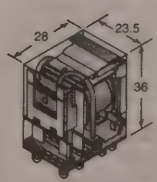


Omron General Purpose Relays

OMRON ELECTRONIC COMPONENTS MJN SERIES: SQUARE BASE GENERAL PURPOSE RELAYS

Specifications:
- Contact resistance: 50mΩ max.
- Plug-in terminals
- Power consumption: AC DPDT - 1.7VA, 3PDT-2.0VA; DC-1.2W

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Coil Voltage	Contact Rating	Price Each 1	25	50	100
Standard Mount (Plug-in)									
653-MJN2C-DC12	MJN2C-DC12	A	DPDT	12VDC	10A	11.70	10.34	9.13	8.21
653-MJN2C-DC24	MJN2C-DC24	A	DPDT	24VDC	10A	11.70	10.34	9.13	8.21
653-MJN2C-AC24	MJN2C-AC24	A	DPDT	24VAC	10A	12.44	11.00	9.70	8.23
653-MJN2C-AC1	MJN2C-AC120	A	DPDT	120VAC	10A	12.25	10.83	9.56	8.60
653-MJN3C-DC12	MJN3C-DC12	A	3PDT	12VDC	10A	12.11	10.70	9.45	8.50
653-MJN3C-DC24	MJN3C-DC24	A	3PDT	24VDC	10A	12.11	10.70	9.45	8.50
653-MJN3C-AC24	MJN3C-AC24	A	3PDT	24VAC	10A	12.94	11.44	10.09	9.08
653-MJN3C-AC1	MJN3C-AC120	A	3PDT	120VAC	10A	13.62	12.04	10.62	9.56
Flange Mount									
653-MJN2CF-DC12	MJN2CF-DC12	B	DPDT	12VDC	10A	11.37	10.05	8.87	7.98
653-MJN2CF-DC24	MJN2CF-DC24	B	DPDT	24VDC	10A	11.25	9.95	8.78	7.90
653-MJN2CF-AC24	MJN2CF-AC24	B	DPDT	24VAC	10A	12.07	10.67	9.41	8.47
653-MJN2CF-AC1	MJN2CF-AC120	B	DPDT	120VAC	10A	12.07	10.67	9.41	8.47
653-MJN2CE-DC12	MJN2CE-DC12	B	DPDT	12VDC	20A	13.70	12.11	10.69	9.62
653-MJN2CE-DC24	MJN2CE-DC24	B	DPDT	24VDC	20A	13.70	12.11	10.69	9.62
653-MJN2CE-AC24	MJN2CE-AC24	B	DPDT	24VAC	20A	15.37	13.59	11.99	10.79
653-MJN2CE-AC1	MJN2CE-AC120	B	DPDT	120VAC	20A	15.81	13.98	12.33	11.10
653-MJN3CF-DC12	MJN3CF-DC12	B	3PDT	12VDC	10A	12.40	10.96	9.67	8.70
653-MJN3CF-DC24	MJN3CF-DC24	B	3PDT	24VDC	10A	13.03	11.52	10.16	9.15
653-MJN3CF-AC24	MJN3CF-AC24	B	3PDT	24VAC	10A	13.44	12.17	10.74	9.67
653-MJN3CF-AC1	MJN3CF-AC120	B	3PDT	120VAC	10A	14.03	12.40	10.94	9.85
Sockets for MJN Series			**Description**						
653-PTFPCB	PTFPCB		11-pin PCB terminal, screw mount			1.57	1.39	1.22	1.10
653-PTF11QDC	PTF11QDC		11-pin QC terminal, screw mount			1.70	1.50	1.33	1.19
653-PTF21PC	PTF21PC		11-pin screw terminal, screw mount			7.80	6.90	6.08	5.48
653-PTF11PC	PTF11PC		11-pin screw terminal, DIN mount			8.03	7.10	6.26	5.64
653-PFP-M	PFP-M		DIN rail end stop plate			.69	.63	.56	.50
653-PFP-100N	PFP-100N		DIN rail 100cm (39")			6.36	5.79	5.13	4.50

OMRON ELECTRONIC COMPONENTS MK SERIES: OCTAL BASE GENERAL PURPOSE RELAYS

Specifications:
- Operate/Release time: 20/20 ms (AC); 30/20 ms (DC)
- Contact resistance: 50mΩ max.

Features:
- Mechanical indicator and push-to-test button
- Silver contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Coil Voltage	Contact Rating	Price Each 1	25	50	100
653-MK2P-S-DC12	MK2P-S-DC12	C	DPDT	12VDC	10A	10.48	9.59	8.39	7.79
653-MK2P-S-DC24	MK2P-S-DC24	C	DPDT	24VDC	10A	10.48	9.59	8.39	7.79
653-MK2P-S-AC24	MK2P-S-AC24	C	DPDT	24VAC	10A	10.48	9.59	8.39	7.79
653-MK2P-S-AC120	MK2P-S-AC120	C	DPDT	120VAC	10A	11.40	10.43	9.12	8.47
653-MK3P5-S-DC12	MK3P5-S-DC12	C	3PDT	12VDC	10A	11.98	10.96	9.59	8.90
653-MK3P5-S-DC24	MK3P5-S-DC24	C	3PDT	24VDC	10A	11.98	10.96	9.59	8.90
653-MK3P5-S-AC24	MK3P5-S-AC24	C	3PDT	24VAC	10A	11.98	10.96	9.59	8.90
653-MK3P5-S-AC120	MK3P5-S-AC120	C	3PDT	120VAC	10A	12.83	11.73	10.26	9.53
Accessories for MK Series									
653-PTF11QDC	PTF11QDC		11-pin QC terminal, screw mount			1.70	1.45	1.23	1.19
653-PF083A-E	PF083A-E		8-pin octal for DPDT, track mount			4.61	4.10	3.71	3.33
653-PF113A-E	PF113A-E		11-pin octal for 3PDT, track mount			6.61	5.87	5.32	4.78
653-PFP-M	PFP-M		DIN rail end stop plate			.69	.63	.56	.50
653-PFP-100N	PFP-100N		DIN rail 100cm (39")			6.36	5.79	5.13	4.50

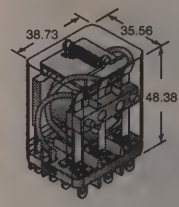
OMRON ELECTRONIC COMPONENTS MGN SERIES: HEAVY-DUTY 30A OPEN FRAME POWER RELAYS

Specifications:
- Contact Ratings: 30A or 1-1/2 HP @ 120 or 240 VAC
- Class F coil insulation system
- Coil molded in DuPont Rynite® for environmental protection
- Terminals riveted to base

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Coil Voltage	Terminal Type	Price Each 1	25	50	100
653-MGN1C-DC12	MGN1C-DC12	D	SPDT	12VDC	Short	23.50	20.77	18.33	16.50
653-MGN1C-DC24	MGN1C-DC24	D	SPDT	24VDC	Short	21.06	18.62	16.43	14.78
653-MGN1C-AC24	MGN1C-AC24	D	SPDT	24VAC	Short	21.40	18.92	16.69	15.02
653-MGN1C-AC120	MGN1C-AC120	D	SPDT	120VAC	Short	23.37	20.66	18.23	16.41
653-MGN1X-DC12	MGN1X-DC12	D	SPST-NO-DM	12VDC	Short	20.14	17.80	15.71	14.14
653-MGN1X-DC24	MGN1X-DC24	D	SPST-NO-DM	24VDC	Short	20.14	17.80	15.71	14.14
653-MGN1X-AC24	MGN1X-AC24	D	SPST-NO-DM	24VAC	Short	18.93	16.73	14.77	13.29
653-MGN1X-AC120	MGN1X-AC120	D	SPST-NO-DM	120VAC	Short	18.93	16.73	14.77	13.29
653-MGN2A-DC12	MGN2A-DC12	D	DPST-NO	12VDC	Short	24.04	21.25	18.75	16.88
653-MGN2A-DC24	MGN2A-DC24	D	DPST-NO	24VDC	Short	24.04	21.25	18.75	16.88
653-MGN2A-AC24	MGN2A-AC24	D	DPST-NO	24VAC	Short	25.76	22.77	20.09	18.08
653-MGN2A-AC120	MGN2A-AC120	D	DPST-NO	120VAC	Short	27.92	24.68	21.78	19.60
653-MGN2C-DC12	MGN2C-DC12	E	DPDT	12VDC	Long	34.26	30.29	26.72	24.05
653-MGN2C-DC24	MGN2C-DC24	E	DPDT	24VDC	Long	33.16	29.31	25.86	23.28
653-MGN2C-AC24	MGN2C-AC24	E	DPDT	24VAC	Long	34.66	30.64	27.03	24.33
653-MGN2C-AC120	MGN2C-AC120	E	DPDT	120VAC	Long	29.70	26.25	23.17	20.85

A DIMENSIONS (mm)



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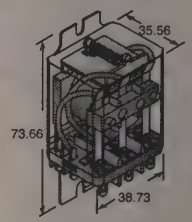

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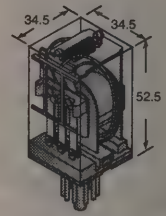

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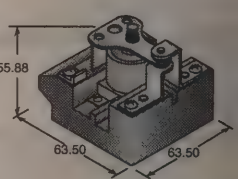

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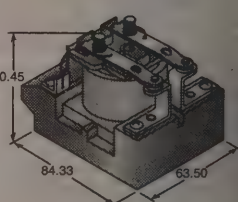

OMRON General Purpose Relays

OMRON ELECTRONIC COMPONENTS

G2RS SERIES: SLIM POWER PLUG-IN RELAYS

Specifications:
Contact rating: SPDT - 10A @ 250VAC/30VDC
DPDT - 5a @ 250VAC/30VDC
Power consumption: AC coil - 0.90 VA @ 60Hz
DC coil - 530 mW

- Provided with nameplate
- AC/DC coil ratings
- Built-in mechanical operation indicator

PRODUCT NEW

LEAD-FREE

* Rated coil current @ 60Hz for AC Models

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated * Coil Current	Price Each 1	25	50	100
General Purpose Type									
653-G2R-1S-DC12S	G2R-1S-DC12S	A1	SPDT	12 VDC	43.2 mA	5.32	4.38	3.88	3.38
653-G2R-1S-DC24S	G2R-1S-DC24S	A1	SPDT	24 VDC	21.6 mA	5.32	4.38	3.88	3.38
653-G2R-1S-AC24S	G2R-1S-AC24S	A1	SPDT	24 VAC	37.4 mA	7.08	5.65	4.99	4.49
653-G2R-1S-AC120S	G2R-1S-AC120S	A1	SPDT	120 VAC	7.5 mA	7.76	6.20	5.47	4.92
653-G2R-2S-DC12S	G2R-2S-DC12S	A2	DPDT	12 VDC	43.2 mA	6.08	4.86	4.29	3.86
653-G2R-2S-DC24S	G2R-2S-DC24S	A2	DPDT	24 VDC	21.6 mA	6.08	4.86	4.29	3.86
653-G2R-2S-AC24S	G2R-2S-AC24S	A2	DPDT	24 VAC	37.4 mA	7.87	6.29	5.55	5.00
653-G2R-2S-AC120S	G2R-2S-AC120S	A2	DPDT	120 VAC	7.5 mA	8.49	6.78	5.98	5.38
With LED Indicator									
653-G2R-1-SN-DC12S	G2R-1-SN-DC12S	A1	SPDT	12 VDC	43.2 mA	8.68	7.14	6.32	5.51
653-G2R-1-SN-DC24S	G2R-1-SN-DC24S	A1	SPDT	24 VDC	21.6 mA	8.68	7.14	6.32	5.51
653-G2R-1-SN-AC24S	G2R-1-SN-AC24S	A1	SPDT	24 VAC	37.4 mA	8.88	7.30	6.47	5.63
653-G2R-1-SN-AC120S	G2R-1-SN-AC120S	A1	SPDT	120 VAC	7.5 mA	11.44	9.41	8.33	7.26
653-G2R-2-SN-DC12S	G2R-2-SN-DC12S	A2	DPDT	12 VDC	43.2 mA	11.93	9.81	8.69	7.57
653-G2R-2-SN-DC24S	G2R-2-SN-DC24S	A2	DPDT	24 VDC	21.6 mA	10.85	8.93	7.91	6.89
653-G2R-2-SN-AC24S	G2R-2-SN-AC24S	A2	DPDT	24 VAC	37.4 mA	11.52	9.47	8.39	7.31
653-G2R-2-SN-AC120S	G2R-2-SN-AC120S	A2	DPDT	120 VAC	7.5 mA	12.36	10.17	9.00	7.84
Accessories			Description						
653-P2RF-05-E	P2RF-05-E		Track mount socket for G2R-1S and G2R-1-SN, screw terminal			4.03	3.31	2.93	2.65
653-P2RF-08-E	P2RF-08-E		Track mount socket for G2R-2S and G2R-2-SN, screw terminal			6.52	5.21	4.59	4.13
653-P2RF-05S	P2RF-05S		Track mount socket for G2R-1S and G2R-1-SN, screwless clamp			4.38	3.60	3.19	2.78
653-P2RF-08S	P2RF-08S		Track mount socket for G2R-2S and G2R-2-SN, screwless clamp			7.09	5.83	5.17	4.50
653-P2R-05P	P2R-05P		Back mount socket for G2R-1S and G2R-1-SN, PCB terminals			2.25	1.79	1.58	1.42
653-P2R-08P	P2R-08P		Back mount socket for G2R-2S and G2R-2-SN, PCB terminals			2.25	1.79	1.58	1.42
653-P2CM-S	P2CM-S		Clip and release lever for use with screwless clamp terminals			.30	.25	.22	.19
653-PFP-100N	PFP-100N		DIN rail 100 cm (39") length			6.36	5.79	5.13	4.60
653-PFP-M	PFP-M		Din rail end stop plate			.69	.63	.56	.50

G4B SERIES: MINIATURE GENERAL PURPOSE RELAYS

Specifications:
Contact rating: 15A @ 220VAC/24VDC
Maximum operating current: 20A
Power consumption: 1.3 VA
Contact terminal: .250" Quick connect

- Upper mounting bracket for easy wiring and mounting
- Ideal for switching motor load, lamp load, heater, etc.
- Class F insulation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Coil Terminal	Price Each 1	25	50	100
653-G4B-112T-AC120	G4B-112T-US-AC120	B	SPST-NO	120 VAC	QC #110	9.62	8.56	7.76	7.22
653-G4B-112TC-AC120	G4B-112T-C-US-AC120	B	SPDT	120 VAC	QC #110	9.62	8.56	7.76	7.22
653-G4B-112T1C-AC24	G4B-112T1-C-US-AC24	B	SPDT	24 VAC	QC #187	9.62	8.56	7.76	7.22
653-G4B-112T1C-AC120	G4B-112T1-C-US-AC120	B	SPDT	120 VAC	QC #187	9.62	8.56	7.76	7.22

G7J SERIES: GENERAL PURPOSE RELAYS

Specifications:
Contact rating: 25A (NO) @ 250 VAC/30 VDC, 8A (NC) @ 220 VAC/30 VDC
Maximum switching current: 25A (NO), 8A (NC)
Power consumption: AC coil - 1.8 to 2.6 VA
DC coil - 2.0 W
Impulse withstand voltage: 10,000 V between coil and contacts

- Push-to-test button on all models
- Ideal for 3-phase motor control applications
- Class F insulation
- Required W-bracket included
- UL508 and 1950 approved

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Coil Terminal	Price Each 1	25	50	100
653-G7J-2A2BBW-AC1	G7J-2A2B-B-W1-AC100/120	C	DPST-NO/DPST-NC	100/120 VAC	18-21.6 mA	35.88	34.44	33.37	30.14
653-G7J-2A2BBW-AC2	G7J-2A2B-B-W1-AC200/240	C	DPST-NO/DPST-NC	200/240 VAC	9-10.8 mA	37.02	35.54	34.43	31.09
653-G7J-2A2BBW-DC24	G7J-2A2B-B-W1-DC24	C	DPST-NO/DPST-NC	24 VDC	83 mA	32.65	31.35	30.37	27.43
653-G7J-3A1BBW-AC1	G7J-3A1B-B-W1-AC100/120	C	3PST-NO/3PST-NC	100/120 VAC	18-21.6 mA	35.88	34.44	33.37	30.14
653-G7J-3A1BBW-AC2	G7J-3A1B-B-W1-AC200/240	C	3PST-NO/3PST-NC	200/240 VAC	9-10.8 mA	37.02	35.54	34.43	31.09
653-G7J-3A1BBW-DC24	G7J-3A1B-B-W1-DC24	C	3PST-NO/3PST-NC	24 VDC	83 mA	32.65	31.35	30.37	27.43
653-G7J-4ABW-AC1	G7J-4A-B-W1-AC100/120	C	4PST-NO	100/120 VAC	18-21.6 mA	35.88	34.44	33.37	30.14
653-G7J-4ABW-AC2	G7J-4A-B-W1-AC200/240	C	4PST-NO	200/240 VAC	9-10.8 mA	37.02	35.54	34.43	31.09
653-G7J-4ABW-DC24	G7J-4A-B-W1-DC24	C	4PST-NO	24 VDC	83 mA	32.65	31.35	30.37	27.43

DIMENSIONS (mm)

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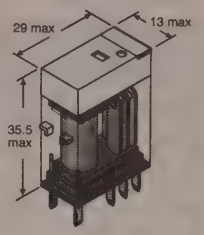

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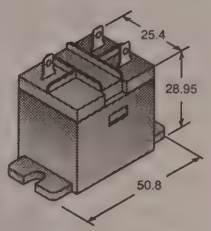

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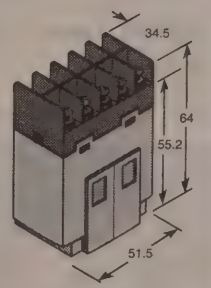

TERMINAL ARRANGEMENT

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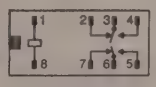

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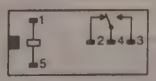

Omron

General Purpose Relays

OMRON G7L SERIES: HIGH CAPACITY GENERAL PURPOSE RELAY

Specifications:

- Contact rating: Single-pole type - 30A @ 220 VAC
  Double-pole type: - 25A @ 220 VAC
- Power consumption: AC coil - 1.70 to 2.50 VA DC coil - 1.90 W
- Contact material: Ag Alloy
- Impulse withstand voltage: 10,000 V between coil and contacts
- Conforms to IEC 950
- Class B insulation
- E-bracket type requires E-bracket or socket to mount.

✻ E-Bracket R99-07G5D sold seperately

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Terminal Type	Price Each 1	25	50	100
E-Bracket✻Type with Test Button									
653-G7L-1A-BJ-DC12	G7L-1A-BJ-CB-DC12	A	SPST-NO	12 VDC	Screw terminals	15.76	14.37	13.47	11.97
653-G7L-1A-TJ-DC12	G7L-1A-TJ-CB-DC12	A	SPST-NO	12 VDC	.250" Quick Connect	11.27	10.28	9.64	8.57
653-G7L-2A-BJ-DC12	G7L-2A-BJ-CB-DC12	A	DPST-NO	12 VDC	Screw terminals	16.58	15.12	14.18	12.60
653-G7L-2A-TJ-DC12	G7L-2A-TJ-CB-DC12	A	DPST-NO	12 VDC	.250" Quick Connect	11.71	10.67	10.01	8.90
653-G7L-1A-BJ-DC24	G7L-1A-BJ-CB-DC24	A	SPST-NO	24 VDC	Screw terminals	15.76	14.37	13.47	11.97
653-G7L-1A-TJ-DC24	G7L-1A-TJ-CB-DC24	A	SPST-NO	24 VDC	.250" Quick Connect	11.27	10.28	9.64	8.57
653-G7L-2A-BJ-DC24	G7L-2A-BJ-CB-DC24	A	DPST-NO	24 VDC	Screw terminals	16.58	15.12	14.18	12.60
653-G7L-2A-TJ-DC24	G7L-2A-TJ-CB-DC24	A	DPST-NO	24 VDC	.250" Quick Connect	11.71	10.67	10.01	8.90
653-G7L-2A-TJ-DC48	G7L-2A-TJ-CB-DC48	A	DPST-NO	48 VDC	.250" Quick Connect	11.15	10.17	9.53	8.47
653-G7L-1A-TJ-AC24	G7L-1A-TJ-CB-AC24	A	SPST-NO	24 VAC	.250" Quick Connect	12.09	11.02	10.33	9.19
653-G7L-1A-BJ-AC1	G7L-1A-BJ-CB-AC100/120	A	SPST-NO	100/120 VAC	Screw terminals	16.66	15.19	14.24	12.66
653-G7L-2A-BJ-AC1	G7L-2A-BJ-CB-AC100/120	A	DPST-NO	100/120 VAC	Screw terminals	17.47	15.93	14.94	13.28
653-G7L-2A-TJ-AC1	G7L-2A-TJ-CB-AC100/120	A	DPST-NO	100/120 VAC	.250" Quick Connect	12.52	11.42	10.71	9.52
653-G7L-2A-TJ-AC2	G7L-2A-TJ-CB-AC200/240	A	DPST-NO	200/240 VAC	.250" Quick Connect	13.14	11.98	11.23	9.98
Upper Bracket Type with Test Button									
653-G7L-2AB-DC12	G7L-2A-BUBJ-CB-DC12	B	DPST-NO	12 VDC	Screw terminals	15.34	13.68	12.44	11.19
653-G7L-1A-DC24	G7L-1A-TUBJ-CB-DC24	B	SPST-NO	24 VDC	.250" Quick Connect	10.06	9.01	8.48	7.15
653-G7L-2AB-DC24	G7L-2A-BUBJ-CB-DC24	B	DPST-NO	24 VDC	Screw terminals	15.34	13.68	12.44	11.19
653-G7L-2A-DC24	G7L-2A-TUBJ-CB-DC24	B	DPST-NO	24 VDC	.250" Quick Connect	10.83	9.66	8.78	7.91
653-G7L-1A-AC24	G7L-1A-TUBJ-CB-AC24	B	SPST-NO	24 VAC	.250" Quick Connect	11.18	9.97	9.06	8.16
653-G7L-2AB-AC24	G7L-2A-BUBJ-CB-AC24	B	DPST-NO	24 VAC	Screw terminals	16.16	14.41	13.10	11.79
653-G7L-2A-AC24	G7L-2A-TUBJ-CB-AC24	B	DPST-NO	24 VAC	.250" Quick Connect	11.58	10.33	9.39	8.45
653-G7L-1A-AC1	G7L-1A-TUBJ-CB-AC100/120	B	SPST-NO	100/120 VAC	.250" Quick Connect	11.18	9.97	9.06	8.16
653-G7L-2AB-AC1	G7L-2A-BUBJ-CB-AC100/120	B	DPST-NO	100/120 VAC	Screw terminals	16.16	14.41	13.10	11.79
653-G7L-2A-AC1	G7L-2A-TUBJ-CB-AC100/120	B	DPST-NO	100/120 VAC	.250" Quick Connect	11.58	10.33	9.39	8.45
653-G7L-1A-AC2	G7L-1A-TUBJ-CB-AC200/240	B	SPST-NO	200/240 VAC	.250" Quick Connect	11.81	10.53	9.58	8.62
653-G7L-2AB-AC2	G7L-2A-BUBJ-CB-AC200/240	B	DPST-NO	200/240 VAC	Screw terminals	16.80	14.98	13.62	12.26
653-G7L-2A-AC2	G7L-2A-TUBJ-CB-AC200/240	B	DPST-NO	200/240 VAC	.250" Quick Connect	12.15	10.84	9.85	8.87
Accessories for G7L Series				Description					
653-R99-07G5D	R99-07G5D			E-Bracket for G7L-1A(2A)-TJ, -BJ		.77	.72	.65	.50
653-P7LF-C	P7LF-C			Cover for QC terminal type		1.02	.96	.86	.67
653-P7LF-D	P7LF-D			Track mounting adapter		7.10	6.67	6.01	4.67
653-P7LF-06	P7LF-06			Front connecting socket for QC terminal. Includes P7LF-C		15.38	14.46	13.01	10.12

OMRON G9EA-1 SERIES: 60A AND 100A DC POWER RELAYS

Specifications:

- Contact form: SPST-NO
- Power consumption: 5W
- Contact terminals: M5 Screw terminals
- Switching section and driving section are gas-injected and hermetically sealed.
- Sealed construction requires no arc space and ensures safe applications
- No restrictions on the mounting direction
- Maximum interruption current: G9EA-1(-B) - 600A at 300 VDC (5 times)

Relays come with 2 M5 screws for the contact terminals.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Rated Coil Voltage	Rated Contact Carry Current	Coil Terminals	Price Each 1	5	10	20
653-G9EA-1-B-DC12	G9EA-1-B-DC12	C	12 VDC	60 A	M3.5 Screw terminals	110.00	104.72	92.40	83.16
653-G9EA-1-B-DC24	G9EA-1-B-DC24	C	24 VDC	60 A	M3.5 Screw terminals	110.00	104.72	92.40	83.16
653-G9EA-1-DC12	G9EA-1-DC12	D	12 VDC	60 A	220mm Lead wires	110.00	104.72	92.40	83.16
653-G9EA-1-DC24	G9EA-1-DC24	D	24 VDC	60 A	220mm Lead wires	110.00	104.72	92.40	83.16
653-G9EA-1-B-CA-DC12	G9EA-1-B-CA-DC12	C	12 VDC	100 A	M3.5 Screw terminals	130.00	123.76	109.20	98.28
653-G9EA-1-B-CA-DC24	G9EA-1-B-CA-DC24	C	24 VDC	100 A	M3.5 Screw terminals	130.00	123.76	109.20	98.28
653-G9EA-1-CA-DC12	G9EA-1-CA-DC12	D	12 VDC	100 A	220mm Lead wires	130.00	123.76	109.20	98.28
653-G9EA-1-CA-DC24	G9EA-1-CA-DC24	D	24 VDC	100 A	220mm Lead wires	130.00	123.76	109.20	98.28

OMRON G9EB-1 SERIES: 25A DC POWER RELAYS

Specifications:

- Contact form: SPST-NO
- Power consumption: 2W
- Contact terminals: M4 Screw terminals
- Gas-filled, fully sealed, non-ceramic construction achieved by using resin with a metal case. This reduces the need for special processing and materials previously required
- Maximum interruption current: 100A @ 250 VDC (5 times)

NEW FROM SUPPLIER

Relays come with 2 M4 screws for the contact terminals

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Rated Coil Voltage	Rated Contact Carry Current	Coil Terminals	Price Each 1	5	10	20
653-G9EB-1-B-DC12	G9EB-1-B-DC12	E	12 VDC	166.7 mA	M4 Screw terminals	98.53	93.80	82.77	74.49
653-G9EB-1-B-DC24	G9EB-1-B-DC24	E	24 VDC	83.3 mA	M4 Screw terminals	98.53	93.80	82.77	74.49

OMRON G9EC-1 SERIES: 200A DC POWER RELAYS

Specifications:

- Contact form: SPST-NO
- Power consumption: 11W
- Maximum interruption current: 1000 A at 400 VDC (10 times)
- Switching section and driving section are gas-injected and hermetically sealed.
- Sealed construction requires no arc space and ensures safe applications
- No restrictions on the mounting direction

Relays come with 2 M8 nuts for the contact terminals

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Rated Coil Voltage	Rated Contact Carry Current	Coil Terminals	Price Each 1	5	10	20
653-G9EC-1-B-DC12	G9EC-1-B-DC12	F	12 VDC	200 A	M3.5 Screw terminals	220.00	209.44	184.80	166.32
653-G9EC-1-B-DC24	G9EC-1-B-DC24	F	24 VDC	200 A	M3.5 Screw terminals	220.00	209.44	184.80	166.32
653-G9EC-1-DC12	G9EC-1-DC12	G	12 VDC	200 A	220mm Lead wires	220.00	209.44	184.80	166.32
653-G9EC-1-DC24	G9EC-1-DC24	G	24 VDC	200 A	220mm Lead wires	220.00	209.44	184.80	166.32

DIMENSIONS: mm

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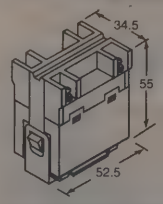

Shown with E Bracket Attache

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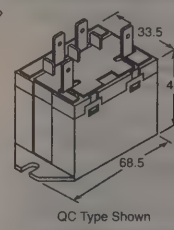

QC Type Shown

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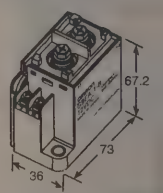

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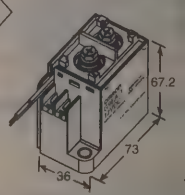

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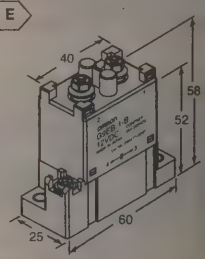

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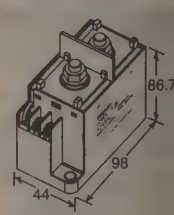

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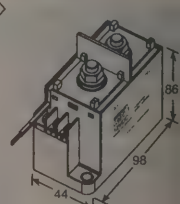

Omron

General Purpose Relays

G7SA SERIES: SLIM PLUG-IN SAFETY RELAY FOR MACHINE CONTROL

rld's slimmest safety relay (13mm wide). Available in 4 and 6 pole models and can switch 6A.
e terminal arrangement simplifies PCB pattern design and with optional sockets,
rs can mount them on either a DIN rail or panel.

atures:
Slim body only 13 x 24 x 50mm
Four-pole and six-pole models are available
Terminal arrangement simplifies PCB pattern design
Positive, force-guided contacts
DIN rail-mounting and panel-mounting sockets available

Specifications:
- Rated voltage: 24VDC
- Rated load: 6A @ 250VAC/30VDC
- Operate/Release time: 20ms max.
- Electrical life expectancy: 100,000 operations min.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Contacts	Contact Form	NO Contacts	NC Power	Price Each 1	10	25	50
653-G7SA-3A1B-DC24	G7SA-3A1B-DC24	A	4	3PST-NO, SPST-NC	3	1	24.00	22.85	21.50	19.49
653-G7SA-2A2B-DC24	G7SA-2A2B-DC24	A	4	DPST-NO, DPST-NC	2	2	24.00	22.85	21.50	19.49
653-G7SA-5A1B-DC24	G7SA-5A1B-DC24	B	6	5PST-NO, SPST-NC	5	1	32.50	30.94	29.12	26.39
653-G7SA-4A2B-DC24	G7SA-4A2B-DC24	B	6	4PST-NO, DPST-NC	4	2	32.50	30.94	29.12	26.39
653-G7SA-3A3B-DC24	G7SA-3A3B-DC24	B	6	3PST-NO, 3PST-NC	3	3	32.50	30.94	29.12	26.39
ockets for G7SA	DESCRIPTION									
653-P7SA-10F	P7SA-10F			4-pole DIN rail and screw mounting			25.50	24.28	22.85	20.71
653-P7SA-14F	P7SA-14F			6-pole DIN rail and screw mounting			26.00	24.75	23.30	21.11
653-P7SA-10P	P7SA-10P			4-Pole PCB terminal			6.80	6.48	6.10	5.52
653-P7SA-14P	P7SA-14P			6-pole PCB terminal			6.80	6.48	6.10	5.52

G9SA SERIES: SAFETY RELAY UNIT

fety relay unit used in designing safety systems to meet the most stringent international standards.
atures 3 or 5 pole internal OSHA, ANSI, and EN compliant 'force guided safety relays.
s as the controller component in combination with other safety products.

atures:
5-mm wide
Easy-to-connect Expansion Units available
OFF-delay time can be adjusted
Positive , force-guided contacts
DIN-rail mounting and panel mounting available

Specifications:
- Rated voltage: 24VAC/VDC, 100-240VAC
- Electrical life expectancy: 100,000 operations min.
- Emergency stop off-delay unit (G9SA-321-T15) has 15 s OFF-Delay time.
- The 15-step OFF-delay time settings are: 1,2,3,4,5,6,7,8,9,10,11,12,13,14, and 15 s.
- Expansion unit (G9SA-EX301) connects to G9SA-301 or G9SA-501.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Input Channels	Main Contacts	Auxiliary Contacts	Price Each 1	5	10	25
mergency Stop Units									
653-G9SA-301	G9SA-301	C	1 or 2	3PST-NO	SPST-NC	243.00	231.34	217.73	197.32
653-G9SA-501	G9SA-501	C	1 or 2	5PST-NO	SPST-NC	301.00	286.55	269.70	244.41
mergency Stop Off-Delay Unit									
653-G9SA-321-T15	G9SA-321-T15	C	1 or 2	3PST-NO	SPST-NC	396.00	376.99	354.82	321.55
xpansion Unit									
653-G9SA-EX301	G9SA-EX301	D	1 or 2	3PST-NO	SPST-NC	211.00	200.87	189.06	171.33

G9SB SERIES: ULTRA SLIM SAFETY RELAY UNIT

dustry's smallest force-guided safety relay unit. This safety relay unit takes up less width in control panels than comparable products.
esigned to support Category 2 or 4 installations, and can partner with Omron's safety light curtains, safety door switches, and emergency stop pushbuttons.

atures:
17.5 mm wide models available with 2 or 3 poles
22.5 mm wide 3 pole models available
DIN-track mounting possible

Specifications:
- Rated load: 5A@250 VAC
- Electrical life expectancy: 100,000 operations min.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Voltage	Main Contacts	Auxiliary Contacts	Input Channels	Input Type	Price Each 1	5	10	25
uto-Reset Mode											
653-G9SB-200-B	G9SB-200-B	E	24 VAC/DC	DPST-NO	None	1 or 2	+ common	179.00	197.80	186.16	168.71
653-G9SB-2002-A	G9SB-2002-A	E	24 VAC/DC	DPST-NO	None	2	inverse(+/-)	179.00	197.80	186.16	168.71
653-G9SB-3010	G9SB-3010	E	24 VDC	3PST-NO	SPST-NC	None	-----	179.00	197.80	186.16	168.71
653-G9SB-3012-A	G9SB-3012-A	F	24 VAC/DC	3PST-NO	SPST-NC	2	inverse(+/-)	225.00	249.22	234.56	212.57
653-G9SB-301-B	G9SB-301-B	F	24 VAC/DC	3PST-NO	SPST-NC	1 or 2	+ common	224.00	247.52	232.96	211.12
anual-Reset Mode											
653-G9SB-200-D	G9SB-200-D	E	24 VAC/DC	DPST-NO	None	1 or 2	+ common	179.00	197.80	186.16	168.71
653-G9SB-2002-C	G9SB-2002-C	E	24 VAC/DC	DPST-NO	None	2	inverse(+/-)	179.00	197.80	186.16	168.71
653-G9SB-301-D	G9SB-301-D	F	24 VAC/DC	3PST-NO	SPST-NC	1 or 2	+ common	226.00	250.92	236.16	214.02
653-G9SB-3012-C	G9SB-3012-C	F	24 VAC/DC	3PST-NO	SPST-NC	2	inverse(+/-)	224.00	247.52	232.96	211.12

DIMENSIONS: mm

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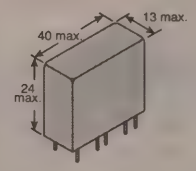

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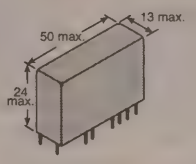

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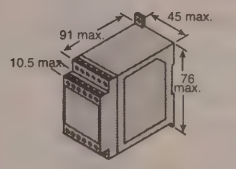

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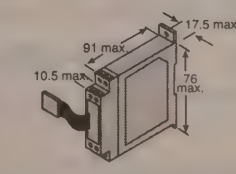

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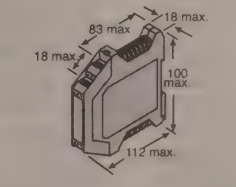

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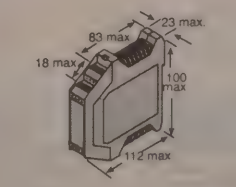

P&B R10 SERIES: MULTICONTACT GENERAL PURPOSE RELAYS

- Enclosure: Clear polycarbonate cover
- Contact material: 3A - Fine Silver; 5A & 7.5A - AgCdO
- Expected Mechanical life: 3 & 5 Amp rating - 100 million operations; 7.5 Amp rating - 1 million operations

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Potter & Brumfield Part Number	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each 1	25	50	100
655-R10-E1Y4-V52	R10-E1Y4-V52	A	6 VDC	4PDT	3A	16.03	13.73	12.21	9.92
655-R10-E1Y4-V185	R10-E1Y4-V185	A	12 VDC	4PDT	3A	16.03	13.73	12.21	9.92
655-R10-E1Y4-V700	R10-E1Y4-V700	A	24 VDC	4PDT	3A	16.03	13.73	12.21	9.92
655-R10-E1Y4-V2.5K	R10-E1Y4-V2.5K	A	48 VDC	4PDT	3A	16.03	13.73	12.21	9.92
655-R10-E1Y2-V52	R10-E1Y2-V52	B	6 VDC	DPDT	3A	14.95	12.81	11.39	9.26
655-R10-E1Y2-V185	R10-E1Y2-V185	B	12 VDC	DPDT	3A	14.95	12.81	11.39	9.26
655-R10-E1Y2-V700	R10-E1Y2-V700	B	24 VDC	DPDT	3A	14.95	12.81	11.39	9.26
655-R10-E1Y2-V2.5K	R10-E1Y2-V2.5K	B	48 VDC	DPDT	3A	14.95	12.81	11.39	9.26
655-R10-E1X4-V185	R10-E1X4-V185	A	12 VDC	4PDT	5A	17.09	14.66	13.02	10.59
655-R10-E1X4-V700	R10-E1X4-V700	A	24 VDC	4PDT	5A	17.09	14.66	13.02	10.59
655-R10-E1X4-V2.5K	R10-E1X4-V2.5K	A	48 VDC	4PDT	5A	17.09	14.66	13.02	10.59
655-R10-E1X2-V52	R10-E1X2-V52	B	6 VDC	DPDT	5A	14.61	12.53	11.13	9.05
655-R10-E1X2-V185	R10-E1X2-V185	B	12 VDC	DPDT	5A	14.61	12.53	11.13	9.05
655-R10-E1X2-V700	R10-E1X2-V700	B	24 VDC	DPDT	5A	14.61	12.53	11.13	9.05
655-R10-E1X2-V2.5K	R10-E1X2-V2.5K	B	48 VDC	DPDT	5A	14.61	12.53	11.13	9.05
655-R10-E1W2-V700	R10-E1W2-V700	B	24 VDC	DPDT	7.5A	15.77	13.52	12.01	9.76
Sockets for R10 Series									
655-27E125	27E125		Solder socket with grounding strip, rated 10A,for 2 pole relays			1.41	1.21	1.07	.88
655-27E126	27E126		Solder socket with grounding strip, rated 10A, for 4 pole relays			1.55	1.33	1.18	.96
655-27E128	27E128		PCB terminals(stag.)socket w/ grounding strip for 2 pole relays			1.32	1.13	1.01	.82
655-27E129	27E129		PCB terminals (stag.) socket w/ grounding strip for 4 pole relays			1.55	1.33	1.18	.96
655-27E193	27E193		PCB terminals (stag.) socket w/ grounding terminal for 2 pole relays			1.18	1.01	.90	.73
655-27E194	27E194		PCB terminals (stag.) socket w/ grounding terminal for 4 pole relays			1.55	1.33	1.18	.96
655-27E629	27E629		PCB terminals (in-line) socket w/out grounding, for 4 pole relays			1.43	1.28	1.14	.93
655-20C249	20C249		Hold down spring for 2 pole sockets			.25	.23	.20	.17
655-20C250	20C250		Hold down spring for 4 pole sockets			.25	.23	.20	.17
655-20C259	20C259		Hold down strap for PCB terminal sockets			.26	.24	.21	.18
655-24A110	24A110		Aluminum DIN rail track, 36"			10.48	9.43	8.38	6.81
655-24A071	24A071		Steel mounting clip with screw			.57	.45	.42	.39
655-40G432	40G432		Plastic insulator			.72	.63	.56	.46

OEG PCLH SERIES: GENERAL PURPOSE MINIATURE RELAYS

- Low cost, small size
- Snap-on cover
- Nominal power: AC = 1.4VA/1.2VA; DC = 0.9W
- Contact material: Silver Nickel alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each 1	25	50	100
Plug-in Terminals									
677-PCLH-202A1S	PCLH-202A1S,000	C	12 VAC	DPDT	15 A	5.32	4.79	4.26	3.72
677-PCLH-203A1S	PCLH-203A1S,000	C	24 VAC	DPDT	15 A	5.36	4.82	4.29	3.75
677-PCLH-206A1S	PCLH-206A1S,000	C	110/120 VAC	DPDT	15 A	5.40	4.86	4.32	3.78
677-PCLH-208A1S	PCLH-208A1S,000	C	220/240 VAC	DPDT	15 A	6.32	5.69	5.05	4.43
677-PCLH-202D1S	PCLH-202D1S,000	C	12 VDC	DPDT	15 A	5.04	4.53	4.03	3.53
677-PCLH-203D1S	PCLH-203D1S,000	C	24 VDC	DPDT	15 A	5.66	5.10	4.53	3.96
677-PCLH-204D1S	PCLH-204D1S,000	C	48 VDC	DPDT	15 A	5.10	4.59	4.08	3.57
677-PCLH-205D1S	PCLH-205D1S,000	C	100/110 VDC	DPDT	15 A	5.38	4.84	4.31	3.76
PCB Terminals									
677-PCLH-206A1SP	PCLH-206A1SP,000	C	110/120 VAC	DPDT	15 A	5.42	4.88	4.34	3.79
677-PCLH-202D1SP	PCLH-202D1SP,000	C	12 VDC	DPDT	15 A	5.04	4.53	4.03	3.53
677-PCLH-203D1SP	PCLH-203D1SP,000	C	24 VDC	DPDT	15 A	4.89	4.40	3.92	3.42
677-PCLH-205D1SP	PCLH-205D1SP,000	C	100/110 VDC	DPDT	15 A	5.98	5.38	4.78	4.19

SCHRACK V23047 SERIES: SAFETY RELAYS SR2M

Specifications:
- Forcibly guided contacts
- Current rating: 6A @ 250 VAC
- Sealed case construction
- 2 Pole
- Ideal for emergency shut off, machine control.
- Contact material: Silver nickel alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Schrack Part No.	Fig.	Coil Voltage	Contact Form	Rated Coil Power	Price Each 1	25	50	100
655-V23047A1005A501	V23047-A1005-A501	D	5 VDC	2 C/O	700 mW	7.66	6.57	5.84	4.74
655-V23047A1012A501	V23047-A1012-A501	D	12 VDC	2 C/O	699 mW	7.66	6.57	5.84	4.74
655-V23047A1024A501	V23047-A1024-A501	D	24 VDC	2 C/O	700 mW	7.66	6.57	5.84	4.74
655-V23047A1024A511	V23047-A1024-A511	D	24 VDC	1 N/O +1 N/C	700 mW	7.66	6.57	5.84	4.74
655-V23047A1012A511	V23047-A1012-A511	D	12 VDC	1 N/O + 1 N/C	699 mW	7.66	6.57	5.84	4.74

DIMENSIONS (mm)

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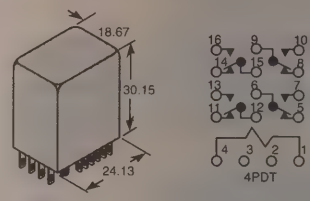

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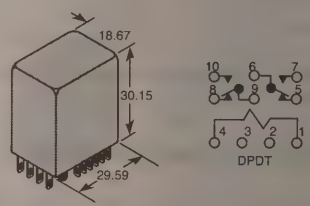

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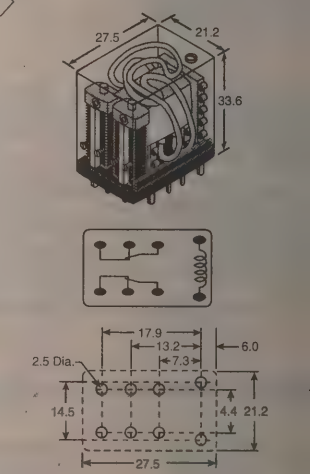

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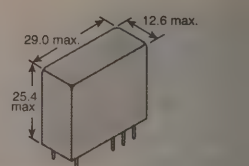


PCB Terminal type shown

P&B KUHP SERIES: 20 & 30 AMP ENCLOSED GENERAL PURPOSE RELAYS

Specifications:
- Enclosure: Clear polycarbonate cover
- Contact material: AgCdO
- Expected mechanical life: 10 million operations min.
- Terminals: .250" QC/Solder

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each 1	25	50	100
Main Case									
655-KUHP-5A51-24	KUHP-5A51-24	A1	24 VAC	SPDT	30 A	13.50	11.57	10.28	8.36
655-KUHP-5A51-120	KUHP-5A51-120	A1	120 VAC	SPDT	30 A	13.50	11.57	10.28	8.36
655-KUHP-5D51-12	KUHP-5D51-12	A1	12 VDC	SPDT	30 A	12.13	10.40	9.24	7.51
655-KUHP-5D51-24	KUHP-5D51-24	A1	24 VDC	SPDT	30 A	12.13	10.40	9.24	7.51
655-KUHP-11A51-24	KUHP-11A51-24	A2	24 VAC	DPDT	20 A	13.55	11.61	10.32	8.39
655-KUHP-11A51-120	KUHP-11A51-120	A2	120 VAC	DPDT	20 A	13.55	11.61	10.32	8.39
655-KUHP-11D51-12	KUHP-11D51-12	A2	12 VDC	DPDT	20 A	19.63	16.83	14.96	12.16
655-KUHP-11D51-24	KUHP-11D51-24	A2	24 VDC	DPDT	20 A	19.63	16.83	14.96	12.16
Flange Case									
655-KUHP-5AT1-120	KUHP-5AT1-120	B1	120 VAC	SPDT	30 A	13.50	11.57	10.28	8.36
655-KUHP-5DT1-12	KUHP-5DT1-12	B1	12 VDC	SPDT	30 A	12.60	10.80	9.60	7.80
655-KUHP-5DT1-24	KUHP-5DT1-24	B1	24 VDC	SPDT	30 A	12.60	10.80	9.60	7.80
655-KUHP-11AT1-120	KUHP-11AT1-120	B2	120 VAC	DPDT	20 A	21.00	18.00	16.00	13.00
655-KUHP-11DT1-12	KUHP-11DT1-12	B2	12 VDC	DPDT	20 A	13.09	11.22	9.97	8.10
655-KUHP-11DT1-24	KUHP-11DT1-24	B2	24 VDC	DPDT	20 A	13.09	11.22	9.97	8.10

P&B KUL SERIES: 10 AMP MAGNETIC LATCHING RELAY

Specifications:
- Enclosure: Clear polycarbonate cover
- Contact material: AgCdO
- Expected mechanical life: 100,000 operations min.
- Terminals: .250" QC/Solder

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Number of Coils	Price Each 1	25	50	100
655-KUL-11A15S-120	KUL-11A15S-120	C3	120 VAC	DPDT	1	42.68	38.41	34.14	27.74
655-KUL-11D15D-12	KUL-11D15D-12	C4	12 VDC	DPDT	2	58.25	49.93	44.39	36.06
655-KUL-11D15D-24	KUL-11D15D-24	C4	24 VDC	DPDT	2	49.01	42.00	37.33	31.26
Sockets and Accessories for KUL Series									
655-27E043	27E043	Solder eyelet socket, rated 15 A, for 1-3 pole relays				1.85	1.58	1.41	1.14
655-27E067	27E067	PCB terminals socket, rated 15 A, for 1-3 pole relays				3.36	2.88	2.56	2.08
655-27E121	27E121	Screw terminal socket, rated 15 A, for 1-3 pole relays				7.06	6.05	5.38	4.37
655-27E396	27E396	.187" quick connect socket, rated 15 A, for 1-3 pole relays				2.96	2.54	2.26	1.83
655-27E893	27E893	Screw terminal, DIN rail snap-mount socket, for 1-3 pole relays				8.42	7.22	6.42	5.21
655-20C247	20C247	Hold down spring for 27E043 and 27E067				1.04	.90	.81	.66
655-20C314	20C314	Hold down spring for 27E121				.50	.39	.35	.33
655-20C318	20C318	Hold down spring for 27E893				.35	.30	.28	.26
655-24A110	24A110	Aluminum DIN rail track, 36"				10.48	9.43	8.38	6.81

P&B KUMP SERIES: 15 AMP ENCLOSED GENERAL PURPOSE RELAYS

Specifications:
- Enclosure: Clear polycarbonate cover
- Contact material: AgCdO
- Expected mechanical life: 100,000 operations min.
- Terminals: .187" QC/Solder

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each 1	25	50	100
655-KUMP-11A18-24	KUMP-11A18-24	D5	24 VAC	DPDT	15 A	19.32	16.56	14.72	11.96
655-KUMP-11A18-120	KUMP-11A18-120	D5	120 VAC	DPDT	15 A	19.32	16.56	14.72	11.96
655-KUMP-11A18-240	KUMP-11A18-240	D5	240 VAC	DPDT	15 A	20.83	17.86	15.87	12.90
655-KUMP-11D18-12	KUMP-11D18-12	D5	12 VDC	DPDT	15 A	17.93	15.37	13.66	11.10
655-KUMP-11D18-24	KUMP-11D18-24	D5	24 VDC	DPDT	15 A	17.93	15.37	13.66	11.10
655-KUMP-11D18-110	KUMP-11D18-110	D5	110 VDC	DPDT	15 A	19.32	16.56	14.72	11.96
655-KUMP-14A18-24	KUMP-14A18-24	D6	24 VAC	3PDT	15 A	14.75	12.64	11.24	9.13
655-KUMP-14A18-120	KUMP-14A18-120	D6	120 VAC	3PDT	15 A	14.75	12.64	11.24	9.13
655-KUMP-14D18-12	KUMP-14D18-12	D6	12 VDC	3PDT	15 A	13.82	11.85	10.53	8.56
655-KUMP-14D18-24	KUMP-14D18-24	D6	24 VDC	3PDT	15 A	13.82	11.85	10.53	8.56
Sockets and Accessories for KUMP Series									
655-27E043	27E043	Solder eyelet socket, rated 15 A, for 1-3 pole relays				1.85	1.58	1.41	1.14
655-27E067	27E067	PCB terminals socket, rated 15 A, for 1-3 pole relays				3.36	2.88	2.56	2.08
655-27E121	27E121	Screw terminal socket, rated 15 A, for 1-3 pole relays				7.06	6.05	5.38	4.37
655-27E396	27E396	.187" quick connect socket, rated 15 A, for 1-3 pole relays				2.96	2.54	2.26	1.83
655-27E867	27E867	Screw terminal socket, rated 15 A, for 4 pole relays				20.94	18.03	16.28	15.12
655-27E893	27E893	Screw terminal, DIN rail snap-mount socket, for 1-3 pole relays				8.42	7.22	6.42	5.21
655-20C228	20C228	Hold down spring with screw for 27E043 and 27E067				.52	.40	.36	.34
655-20C254	20C254	Snap-on hold down spring for 27E043 and 27E067				.35	.30	.28	.26
655-20C318	20C318	Hold down spring for 27E893				.35	.30	.28	.26
655-24A110	24A110	Aluminum DIN rail track, 36"				10.48	9.43	8.38	6.81

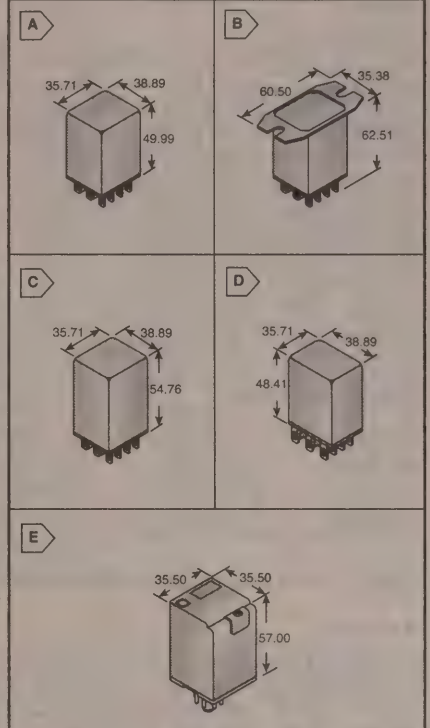
P&B MT SERIES: 4 & 10 AMP GENERAL PURPOSE RELAY

Specifications:
- Enclosure: Clear polycarbonate cover
- Contact rating/material: 10 A / AgNi (90/10)
- Expected mechanical life: 20 million operations min.
- Mechanical indicator (test-button)

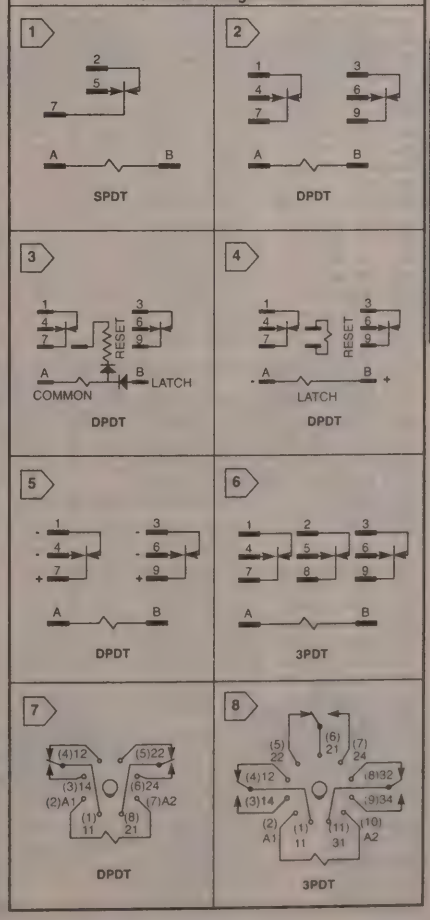
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Number of Pins	Price Each 1	25	50	100
655-MT226024	MT226024	E7	24 VAC	DPDT	8 pin	12.37	10.60	9.42	7.66
655-MT226115	MT226115	E7	115 VAC	DPDT	8 pin	14.47	12.40	11.02	8.96
655-MT221012	MT221012	E7	12 VDC	DPDT	8 pin	11.91	10.20	9.07	7.37
655-MT221024	MT221024	E7	24 VDC	DPDT	8 pin	11.91	10.20	9.07	7.37
655-MT326115	MT326115	E8	115 VAC	3PDT	11 pin	12.54	10.75	9.56	7.76
655-MT321012	MT321012	E8	12 VDC	3PDT	11 pin	14.47	12.40	11.02	8.96
655-MT321024	MT321024	E8	24 VDC	3PDT	11 pin	11.47	9.83	8.74	7.10

DIMENSIONS (mm.)



Terminal Arrangements



tyco Electronics P&B K10 SERIES: 15 AMP GENERAL PURPOSE RELAYS

Specifications:

- DPDT contact arrangement
- UL Class B insulation system
- Continuous duty cycle
- Contact Materials: AgCdO
- Expected Mechanical life: 100,000 operations min.
- Max. Coil Power: 2 Watts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Mounting Type	Terminal Type	Price Each 1	25	50	100
655-K10P-11A15-6	K10P-11A15-6	A1	6 VAC	Socket	.187" QC/Solder	7.53	6.56	5.98	5.02
655-K10P-11A15-12	K10P-11A15-12	A1	12 VAC	Socket	.187" QC/Solder	7.53	6.56	5.98	5.02
655-K10P-11A15-24	K10P-11A15-24	A1	24 VAC	Socket	.187" QC/Solder	7.53	6.56	5.98	5.02
655-K10P-11A15-120	K10P-11A15-120	A1	120 VAC	Socket	.187" QC/Solder	7.53	6.56	5.98	5.02
655-K10P-11D15-6	K10P-11D15-6	A1	6 VDC	Socket	.187" QC/Solder	7.53	6.56	5.98	5.02
655-K10P-11D15-12	K10P-11D15-12	A1	12 VDC	Socket	.187" QC/Solder	7.48	6.74	6.07	4.72
655-K10P-11D15-24	K10P-11D15-24	A1	24 VDC	Socket	.187" QC/Solder	7.53	6.56	5.98	5.02
655-K10P-11D15-110	K10P-11D15-110	A1	110 VDC	Socket	.187" QC/Solder	7.53	6.56	5.98	5.02
655-K10P-11D55-12	K10P-11D55-12	B1	12 VDC	PCB terminals	.160" length	7.53	6.56	5.98	5.02
655-K10P-11D55-24	K10P-11D55-24	B1	24 VDC	PCB terminals	.160" length	7.53	6.56	5.98	5.02
655-K10P-11D55-110	K10P-11D55-110	B1	110 VDC	PCB terminals	.160" length	7.53	6.56	5.98	5.02
655-K10P-11DT5-12	K10P-11DT5-12	C1	12 VDC	Top Flange/Panel	.187" QC/Solder	7.96	6.77	6.17	5.18
655-K10P-11DT5-24	K10P-11DT5-24	C1	24 VDC	Top Flange/Panel	.187" QC/Solder	7.96	6.77	6.17	5.18
655-K10P-11AT5-120	K10P-11AT5-120	C1	120 VAC	Top Flange/Panel	.187" QC/Solder	7.96	6.77	6.17	5.18
Sockets and Accessories				**Description**					
655-27E487	27E487			Screw terminal socket, rated 10 A		5.42	4.64	4.13	3.35
655-27E488	27E488			Solder terminal socket, rated 10 A		1.85	1.58	1.41	1.14
655-27E489	27E489			PCB terminal socket, rated 10 A		1.70	1.46	1.30	1.05
655-27E895	27E895			DIN mount screw terminal, 10 A		5.65	4.84	4.30	3.50
655-20C217	20C217			Hold down spring for 27E488 and 27E489		.34	.32	.30	.24
655-20C297	20C297			Hold down spring for 27E487		.50	.39	.35	.33
655-24A110	24A110			Aluminum DIN rail track, 36"		10.48	9.43	8.38	6.81

tyco Electronics P&B KUP SERIES: ENCLOSED GENERAL PURPOSE RELAYS

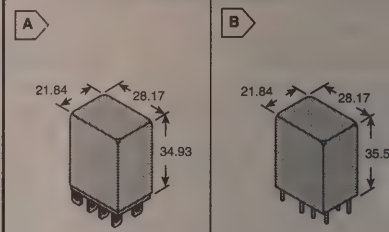
Specifications:

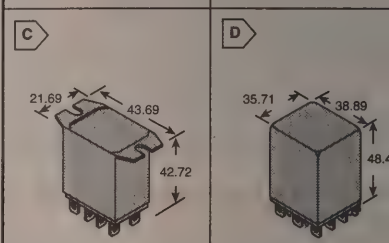
- Clear polycarbonate dust cover
- UL Class B insulation system
- Contact material: 5A - Silver; 10A - AgCdO
- Expected Mechanical life: 100,000 operations min.

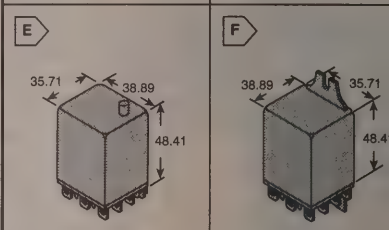
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Terminal Type	Contact Form	Contact Rating	Price Each 1	25	50	100
655-KUP-11A11-120	KUP-11A11-120	D2	120 VAC	.187" QC/Solder	DPDT	5A	16.21	13.90	12.35	10.04
655-KUP-11D11-24	KUP-11D11-24	D2	24 VDC	.187" QC/Solder	DPDT	5A	14.85	12.73	11.31	9.19
655-KUP-11A15-24	KUP-11A15-24	D2	24VAC	.187" QC/Solder	DPDT	10A	10.28	8.98	8.23	6.68
655-KUP-11A15-120	KUP-11A15-120	D2	120 VAC	.187" QC/Solder	DPDT	10A	10.28	8.98	8.23	6.68
655-KUP-11D15-12	KUP-11D15-12	D2	12 VDC	.187" QC/Solder	DPDT	10A	10.28	8.98	8.23	6.68
655-KUP-11D15-24	KUP-11D15-24	D2	24 VDC	.187" QC/Solder	DPDT	10A	10.28	8.98	8.23	6.68
655-KUP-11D15-110	KUP-11D15-110	D2	110 VDC	.187" QC/Solder	DPDT	10A	16.21	13.90	12.35	10.04
655-KUP-14A11-120	KUP-14A11-120	D3	120 VAC	.187" QC/Solder	3PDT	5A	18.90	16.20	14.40	11.70
655-KUP-14D11-24	KUP-14D11-24	D3	24 VDC	.187" QC/Solder	3PDT	5A	17.02	14.59	12.97	10.54
655-KUP-14A15-12	KUP-14A15-12	D3	12 VAC	.187" QC/Solder	3PDT	10A	13.06	11.20	9.95	8.09
655-KUP-14A15-24	KUP-14A15-24	D3	24 VAC	.187" QC/Solder	3PDT	10A	12.60	10.80	9.60	7.80
655-KUP-14A15-120	KUP-14A15-120	D3	120 VAC	.187" QC/Solder	3PDT	10A	12.60	10.80	9.60	7.80
655-KUP-14D15-12	KUP-14D15-12	D3	12 VDC	.187" QC/Solder	3PDT	10A	11.35	9.73	8.65	7.24
655-KUP-14D15-24	KUP-14D15-24	D3	24 VDC	.187" QC/Solder	3PDT	10A	9.76	8.54	7.81	6.35
655-KUP-14D15-48	KUP-14D15-48	D3	48 VDC	.187" QC/Solder	3PDT	10A	18.90	16.20	14.40	11.70
655-KUP-14D15-110	KUP-14D15-110	D3	110 VDC	.187" QC/Solder	3PDT	10A	18.23	15.62	13.89	11.28
655-KUP-5A15-24	KUP-5A15-24	D4	24 VAC	.187" QC/Solder	SPDT	10A	20.27	17.37	15.44	12.55
655-KUP-5A15-120	KUP-5A15-120	D4	120 VAC	.187" QC/Solder	SPDT	10A	20.27	17.37	15.44	12.55
655-KUP-5A15-240	KUP-5A15-240	D4	240 VAC	.187" QC/Solder	SPDT	10A	20.27	17.37	15.44	12.55
655-KUP-5D15-12	KUP-5D15-12	D4	12 VDC	.187" QC/Solder	SPDT	10A	17.56	15.05	13.38	10.87
655-KUP-5D15-24	KUP-5D15-24	D4	24 VDC	.187" QC/Solder	SPDT	10A	17.56	15.05	13.38	10.87
655-KUP-17A19-120	KUP-17A19-120	D5	120 VAC	.110" QC/Solder	4PDT	10A	86.42	74.07	65.84	53.50
655-KUP-17D19-24	KUP-17D19-24	D5	24 VDC	.110" QC/Solder	4PDT	10A	54.01	46.30	41.15	33.44
With Test Button										
655-KUP-14A25-120	KUP-14A25-120	E3	120 VAC	.187" QC/Solder	3PDT	10A	20.27	17.37	15.44	12.55
With Indicator Lamp										
655-KUP-11A35-120	KUP-11A35-120	D2	120 VAC	.187" QC/Solder	DPDT	10A	17.02	14.59	12.97	10.54
655-KUP-14A35-24	KUP-14A35-24	D3	24 VAC	.187" QC/Solder	3PDT	10A	13.50	11.57	10.29	8.36
655-KUP-14A35-120	KUP-14A35-120	D3	120 VAC	.187" QC/Solder	3PDT	10A	13.50	11.57	10.29	8.36
655-KUP-14D35-24	KUP-14D35-24	D3	24 VDC	.187" QC/Solder	3PDT	10A	13.50	11.57	10.29	8.36
With Test Button and Indicator Lamp										
655-KUP-14A45-120	KUP-14A45-120	E3	120 VAC	.187" QC/Solder	3PDT	10A	14.41	12.35	10.98	8.92
Bracket Mount Case										
655-KUP-11D55-12	KUP-11D55-12	F2	12 VDC	.187" QC/Solder	DPDT	10A	9.86	8.63	7.89	6.41
655-KUP-11D55-24	KUP-11D55-24	F2	24 VDC	.187" QC/Solder	DPDT	10A	9.86	8.63	7.89	6.41
655-KUP-11A55-24	KUP-11A55-24	F2	24 VAC	.187" QC/Solder	DPDT	10A	10.28	8.98	8.23	6.68
655-KUP-11A55-120	KUP-11A55-120	F2	120 VAC	.187" QC/Solder	DPDT	10A	11.26	9.65	8.58	6.97
655-KUP-14A55-24	KUP-14A55-24	F3	24 VAC	.187" QC/Solder	3PDT	10A	13.06	11.20	9.95	8.09
655-KUP-14A55-120	KUP-14A55-120	F3	120 VAC	.187" QC/Solder	3PDT	10A	13.06	11.20	9.95	8.09
655-KUP-14D55-12	KUP-14D55-12	F3	12 VDC	.187" QC/Solder	3PDT	10A	18.23	15.62	13.89	11.28
655-KUP-14D55-24	KUP-14D55-24	F3	24 VDC	.187" QC/Solder	3PDT	10A	18.23	15.62	13.89	11.28
655-KUP-5A55-120	KUP-5A55-120	F4	120 VAC	.187" QC/Solder	SPDT	10A	20.27	17.37	15.44	12.55
655-KUP-5D55-24	KUP-5D55-24	F4	24 VDC	.187" QC/Solder	SPDT	10A	18.23	15.62	13.89	11.28
Sockets and Accessories				**Description**						
655-27E043	27E043			Solder eyelet socket, rated 15 A, for 1-3 pole relays			1.85	1.58	1.41	1.14
655-27E067	27E067			PCB terminals socket, rated 15 A, for 1-3 pole relays			3.36	2.88	2.56	2.08
655-27E121	27E121			Screw terminal socket, rated 15 A, for 1-3 pole relays			7.06	6.05	5.38	4.37
655-27E396	27E396			.187" quick connect socket, rated 15 A, for 1-3 pole relays			2.96	2.54	2.26	1.83
655-27E867	27E867			Screw terminal socket, rated 15 A, for 4 pole relays			20.94	18.03	16.28	15.12
655-27E893	27E893			Screw terminal, DIN rail snap-mount socket, 1-3 pole relays			8.42	7.22	6.42	5.21
655-20C228	20C228			Hold down spring with screw for 27E043, 27E067, 27E121			.52	.40	.36	.34
655-20C254	20C254			Snap-on hold down spring for 1-4 pole sockets			.35	.30	.28	.26
655-20C318	20C318			Hold down spring for 27E893			.35	.30	.28	.26
655-24A110	24A110			Aluminum DIN rail track, 36"			10.48	9.43	8.38	6.81

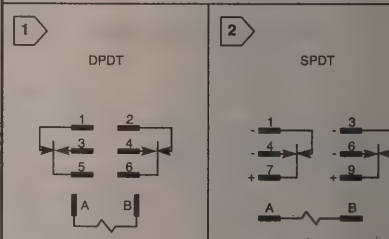
DIMENSIONS (mm.)

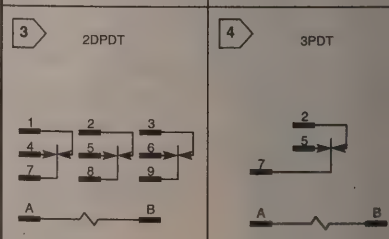


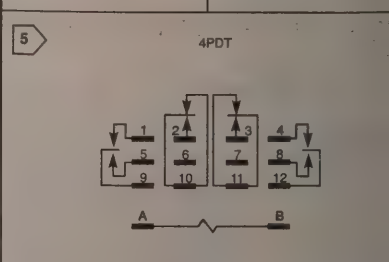




Terminal Arrangements







Potter & Brumfield

General Purpose Relays

P&B KRPA SERIES: 5 & 10 AMP OCTAL-TYPE GENERAL PURPOSE RELAYS

Specifications:
Enclosure: Clear polycarbonate cover
- Expected Mechanical life: 100,000 operations min.
- Contact material: 5A - Silver; 10A - AgCdO

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each 1	25	50	100
655-KRPA-11AG-12	KRPA-11AG-12	A1	12 VAC	DPDT	10A	19.24	16.49	14.66	11.91
655-KRPA-11AG-24	KRPA-11AG-24	A1	24 VAC	DPDT	10A	12.46	10.68	9.49	7.94
655-KRPA-11AG-120	KRPA-11AG-120	A1	120 VAC	DPDT	10A	13.73	11.77	10.46	8.50
655-KRPA-11AG-240	KRPA-11AG-240	A1	240 VAC	DPDT	10A	21.95	18.81	16.72	13.59
655-KRPA-11DG-12	KRPA-11DG-12	A1	12 VDC	DPDT	10A	12.83	11.00	9.78	7.94
655-KRPA-11DG-24	KRPA-11DG-24	A1	24 VDC	DPDT	10A	12.83	11.00	9.78	7.94
655-KRPA-11DG-48	KRPA-11DG-48	A1	48 VDC	DPDT	10A	17.64	17.12	15.21	12.75
655-KRPA-11DG-110	KRPA-11DG-110	A1	110 VDC	DPDT	10A	13.73	11.77	10.46	8.50
655-KRPA-11DN-12	KRPA-11DN-12	A1	12 VDC	DPDT	10	19.91	17.06	15.17	12.33
655-KRPA-11DN-24	KRPA-11DN-24	A1	24 VDC	DPDT	10A	13.27	11.38	10.11	8.22
655-KRPA-11DN-110	KRPA-11DN-110	A1	110 VDC	DPDT	10A	19.91	17.06	15.17	12.33
655-KRPA-11AN-12	KRPA-11AN-12	A1	12 VAC	DPDT	10A	19.91	17.06	15.17	12.33
655-KRPA-11AN-24	KRPA-11AN-24	A1	24 VAC	DPDT	10A	19.91	17.06	15.17	12.33
655-KRPA-11AN-120	KRPA-11AN-120	A1	120 VAC	DPDT	10A	14.18	12.15	10.80	8.78
655-KRPA-11AN-240	KRPA-11AN-240	A1	240 VAC	DPDT	10A	22.62	19.39	17.23	14.01
655-KRPA-11AY-12	KRPA-11AY-12	A1	12 VAC	DPDT	5A	19.24	16.49	14.66	11.91
655-KRPA-11AY-24	KRPA-11AY-24	A1	24 VAC	DPDT	5A	19.24	16.49	14.66	11.91
655-KRPA-11AY-120	KRPA-11AY-120	A1	120 VAC	DPDT	5A	13.73	11.77	10.46	8.50
655-KRPA-11DY-12	KRPA-11DY-12	A1	12 VDC	DPDT	5A	19.24	16.49	14.66	11.91
655-KRPA-11DY-24	KRPA-11DY-24	A1	24 VDC	DPDT	5A	19.24	16.49	14.66	11.91
655-KRPA-14AG-12	KRPA-14AG-12	A2	12 VAC	3PDT	10A	21.26	18.22	16.19	13.16
655-KRPA-14AG-24	KRPA-14AG-24	A2	24 VAC	3PDT	10A	14.18	12.15	10.80	8.78
655-KRPA-14AG-120	KRPA-14AG-120	A2	120 VAC	3PDT	10A	15.08	12.92	11.49	9.33
655-KRPA-14AG-240	KRPA-14AG-240	A2	240 VAC	3PDT	10A	22.37	19.17	17.04	13.85
655-KRPA-14DG-12	KRPA-14DG-12	A2	12 VDC	3PDT	10A	21.61	18.52	16.46	13.38
655-KRPA-14DG-24	KRPA-14DG-24	A2	24 VDC	3PDT	10A	14.41	12.35	10.98	8.92
655-KRPA-14DG-48	KRPA-14DG-48	A2	48 VDC	3PDT	10A	22.95	19.67	17.49	14.21
655-KRPA-14DG-110	KRPA-14DG-110	A2	110 VDC	3PDT	10A	24.30	20.83	18.51	15.04
655-KRPA-14AN-24	KRPA-14AN-24	A2	24 VAC	3PDT	10A	21.95	18.81	16.72	13.59
655-KRPA-14AN-120	KRPA-14AN-120	A2	120 VAC	3PDT	10A	15.54	13.32	11.84	9.62
655-KRPA-14AN-240	KRPA-14AN-240	A2	240 VAC	3PDT	10A	22.63	19.40	17.24	15.27
655-KRPA-14DN-24	KRPA-14DN-24	A2	24 VDC	3PDT	10A	22.28	19.10	16.98	13.79
655-KRPA-14AY-24	KRPA-14AY-24	A2	24 VAC	3PDT	5A	21.26	18.22	16.19	13.16
655-KRPA-14AY-120	KRPA-14AY-120	A2	120 VAC	3PDT	5A	22.62	19.39	17.23	14.01
655-KRPA-14AY-240	KRPA-14AY-240	A2	240 VAC	3PDT	5A	23.97	20.54	18.26	14.84
655-KRPA-14DY-24	KRPA-14DY-24	A2	24 VDC	3PDT	5A	21.61	18.52	16.46	13.38

P&B KHAU/KHS SERIES: MULTICONTACT GENERAL PURPOSE RELAYS

Specifications:
Enclosure: KHAU - Clear polycarbonate cover
Expected life: 100,000 operations at rated load
- Contact material: 1A - Bifurcated cross bar, Au over Ag; 3A - Ag; 5A-AgCdO

For quantities of 500 and up, call for quote

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each 1	25	50	100
655-KHAU-17A11-24	KHAU-17A11-24	B	24VAC	4PDT	3A	6.86	6.01	5.32	4.46
655-KHAU-17A11-120	KHAU-17A11-120	B	120VAC	4PDT	3A	7.53	6.56	5.98	5.02
655-KHAU-17A11N-120	KHAU-17A11N-120	B	120VAC	4PDT	3A	9.42	8.25	7.54	6.12
655-KHAU-17A12-120	KHAU-17A12-120	B	120VAC	4PDT	5A	6.86	6.01	5.32	4.46
655-KHAU-17D12-24	KHAU-17D12-24	B	24VDC	4PDT	5A	6.72	5.76	5.12	4.16
655-KHAU-17D11-12	KHAU-17D11-12	B	12VDC	4PDT	3A	6.86	6.01	5.32	4.46
655-KHAU-17D11-24	KHAU-17D11-24	B	24VDC	4PDT	3A	6.72	5.76	5.12	4.16
655-KHAU-17A16-24	KHAU-17A16-24	B	24VAC	4PDT	1A	8.58	7.72	6.44	5.58

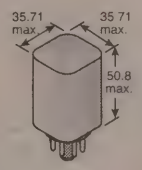
P&B SOCKETS AND ACCESSORIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Description	Price Each 1	25	50	100
KRPA Series							
655-27E122	27E122	C	8-pin screw terminal socket, 10 A, for KRPA11	4.33	3.71	3.30	2.68
655-27E123	27E123	D	11-pin screw terminal socket, 10 A, for KRPA14	4.79	4.10	3.65	2.96
655-27E891	27E891	E	8-pin DIN rail snap mount socket, 10 A, for KRPA11	5.29	4.54	4.03	3.28
655-27E892	27E892	F	11-pin DIN rail snap mount socket, 10 A, for KRPA14	7.98	6.84	6.08	4.94
655-20C176	20C176	--	Hold down spring. Mounts to socket with socket screws	.72	.63	.56	.46
655-20C318	20C318	--	Hold down spring for use with 27E891, 27E892	.35	.30	.28	.26
655-24A110	24A110	--	Aluminum DIN rail track, 36"	10.48	9.43	8.38	6.81
655-24A071	24A071	--	Steel mounting clip with screw	.57	.45	.42	.39
655-24A072	24A072	--	Plastic twist mounting clip	.68	.58	.54	.44
655-40G432	40G432	--	Plastic insulator	.72	.63	.56	.46
KHAU/KHS Series							
655-27E006	27E006	G	Solder socket w/ grounding provision for KHAU, KHS	1.43	1.28	1.14	.93
655-27E007	27E007	G	PCB terminals socket w/ grounding provision, for KHAU, KHS	1.41	1.21	1.07	.88
655-27E023	27E023	G	PCB terminals socket w/out grounding provision, for KHAU, KHS	1.22	1.04	.93	.75
655-27E166	27E166	H	Screw terminal socket w/ grounding provision for KHAU, KHS	10.58	9.07	8.06	6.55
655-27E894	27E894	H	Screw terminal, DIN rail snap-mount socket, for KHAU, KHS	7.33	6.28	5.58	4.54
655-24A110	24A110	--	Aluminum DIN rail track, 36"	10.48	9.43	8.38	6.81
655-20C217	20C217	--	Hold down spring for 27E006, 27E007, and 27E023	.34	.32	.30	.24
655-20C297	20C297	--	Hold down spring for 27E166 and 27E894	.50	.39	.35	.33

DIMENSIONS mm

A



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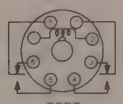

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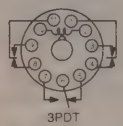

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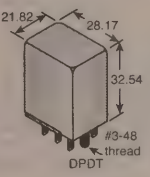

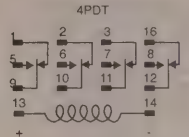

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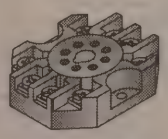

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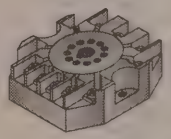

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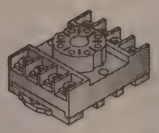

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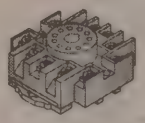

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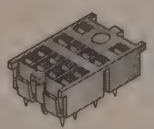

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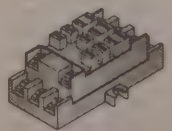


P&B CB SERIES: CMOS IC TIME DELAY RELAYS

Specifications:
- Choice of timing modes - Delay on operate, delay on release, interval on with or without control switch
- Contact rating: 10A @ 30 VDC
- Termination: 8-pin octal style plug
- Enclosure: White plastic case
- Contact form: DPDT

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Input Voltage	Min./Max. Voltage	Adjust Type	Time Delay (Sec.)	Price Each 1	25	50	100
655	CB-1003B-70	A1	120 VAC	105/130 VAC	Knob	0.1-10	88.24	75.99	68.63	63.73
655	CB-1004B-70	A1	120 VAC	105/130 VAC	Knob	0.6-60	88.24	75.99	68.63	63.73
655	CB-1005B-70	A1	120 VAC	105/130 VAC	Knob	1.8-180	88.24	75.99	68.63	63.73
655	CB-1028D-30	A1	24 VDC	20/32 VDC	Knob	0.1-10	88.24	75.99	68.63	63.73
655	CB-1047D-20	A1	12 VDC	11/13 VDC	Knob	0.1-10	88.24	75.99	68.63	63.73
Sockets and Accessories for CB Series										
655	27E122		8-pin screw terminal socket, rated 10 A				4.33	3.71	3.30	2.68
655	27E891		8-pin DIN rail snap mount socket, rated 10 A				5.29	4.54	4.03	3.28
655	24A110		Aluminum DIN rail track, 36"				10.48	9.43	8.38	6.81

P&B CD SERIES: CMOS IC TIME DELAY RELAYS

Specifications:
- 1% Repeatability
- Delay on operate timing mode
- Contact rating: 10A @ 30 VDC
- Termination: 8-pin octal style plug
- Enclosure: Yellow plastic case
- Contact form: DPDT

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Input Voltage	Min./Max. Voltage	Adjust Type	Time Delay (Sec.)	Price Each 1	25	50	100
655	CDB-38-70003	A1	120 VAC	105/130 VAC	Knob	0.1-10	171.43	162.00	151.20	140.40
655	CDB-38-70004	A1	120 VAC	105/130 VAC	Knob	0.6-60	172.81	154.53	144.57	129.61
655	CDB-38-70005	A1	120 VAC	105/130 VAC	Knob	1.8-180	172.81	154.53	144.57	129.61
Sockets and Accessories for CD Series										
655	27E122		8-pin screw terminal socket, rated 10 A				4.33	3.71	3.30	2.68
655	27E891		8-pin DIN rail snap mount socket, rated 10 A				5.29	4.54	4.03	3.28
655	24A110		Aluminum DIN rail track, 36"				10.48	9.43	8.38	6.81

P&B CL SERIES: COMPACT TIME DELAY RELAYS

Specifications:
- Delay on operate timing mode
- No timing cycle interrupt transfer
- Contact rating: 10A @ 30 VDC
- Termination: .187" QC/solder
- Enclosure: Yellow plastic case
- Contact form: DPDT

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Case Style	Adjust Type	Time Delay (Sec.)	Price Each 1	25	50	100
655	CLF-41-70010	B2	Plain	Resistor	0.1-10	80.37	75.71	70.84	63.51
655	CLF-42-70010	C2	Bracket mount	Resistor	0.1-10	80.37	75.71	70.84	63.51
655	CLB-51-70010	D3	Bracket mt w/test button	Knob	0.1-10	79.71	75.12	70.28	64.27
655	CLB-51-70120	D3	Bracket mt w/test button	Knob	1.2-120	79.71	75.12	70.28	64.27
Sockets and Accessories for CL Series									
655	27E043		Solder eyelet socket, rated 15 A			1.85	1.58	1.41	1.14
655	27E067		PCB terminals socket, rated 15 A			3.36	2.88	2.56	2.08
655	27E121		Screw terminal socket, rated 15 A			7.06	6.05	5.38	4.37
655	27E893		Screw terminal, DIN rail snap-mount socket			8.42	7.22	6.42	5.21
655	20C228		Hold down spring with screw for 27E043 and 27E067			.52	.40	.36	.34
655	20C254		Snap-on hold down spring for 27E043 and 27E067			.35	.30	.28	.26
655	20C314		Snap-on hold down spring for 27E121			.50	.39	.35	.33
655	24A110		Aluminum DIN rail track, 36"			10.48	9.43	8.38	6.81

P&B CNT/CNS SERIES: MULTIFUNCTIONAL, DIGITAL TIME DELAY RELAY/COUNTER

Specifications:
- CNT: 10 programmable timing modes + 2 counting modes
- CNS: 8 programmable timing modes (4 on 8 pin models)
- LCD digital display on CNT
- Termination: 11-pin octal style plug, except CNS-35-92 which is 8 pin octal
- Enclosure: Beige plastic 1/16 DIN case
- Contact form: DPDT

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Input Type	Input Voltage	Time Delay	Price Each 1	10	25	50
655	CNT-35-76	E4	Fixed	120 VAC	0.1 sec.- 9990 hr.	75.54	71.24	66.65	59.75
655	CNT-35-96	E4	Universal	24-240 VAC/DC	0.1 sec.- 9990 hr.	98.51	92.54	86.57	77.61
655	CNT-35-26	E4	Fixed	12 VDC	0.1 sec.- 9990 hr.	98.51	92.54	86.57	77.61
655	CNS-35-92	F5	Universal	24-240 VAC/DC	0.1 sec.- 100 min.	66.20	58.64	54.85	49.18
655	CNS-35-96	F6	Universal	24-240 VAC/DC	0.1 sec.- 100 min.	82.90	73.43	68.69	61.58
Sockets for CNT/CNS Series									
655	27E122		8-pin screw terminal socket, rated 10 A			4.33	3.71	3.30	2.68
655	27E123		11-Pin screw terminal socket, 10 A			4.79	4.10	3.65	2.96
655	27E891		8-pin DIN rail snap mount socket, rated 10 A			5.29	4.54	4.03	3.28
655	27E892		11-pin screw terminal, DIN rail snap-mount socket, 10 A			7.98	6.84	6.08	4.94
655	24A110		Aluminum DIN rail track, 36"			10.48	9.43	8.38	6.81

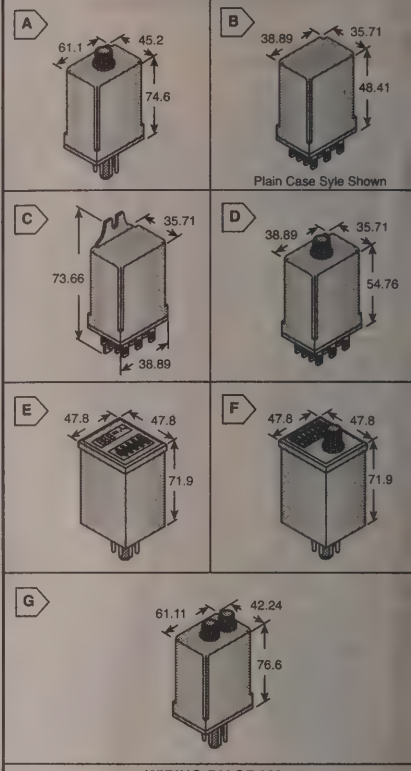
P&B CS SERIES: SOLID STATE HYBRID VOLTAGE SENSORS

Specifications:
- Termination: 8-pin octal style plug
- Enclosure: Plastic dust cover
- Contact form: DPDT on output relay
- Can be used as an over- or undervoltage sensor, depending upon whether the normally closed (NC) or normally open (NO) contacts of the sensor's output relay are used. NC = overvoltage NO = undervoltage

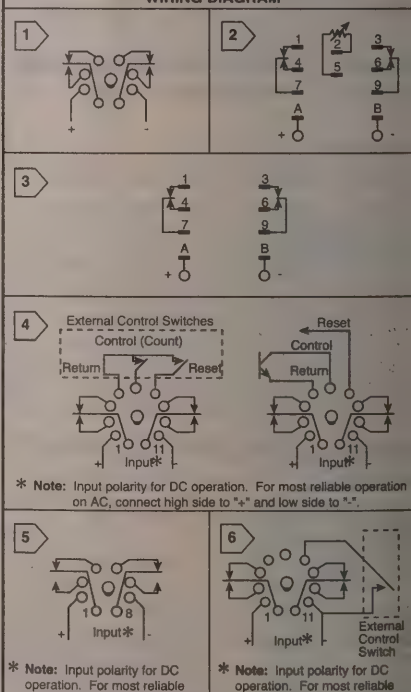
For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Pick-Up Range (Volts)	Drop-Out Range (Volts)	Max. Voltage	Contact Rating	Price Each 1	10	25	50
655	CSJ-38-70010	G7	92-140	90-138	150 VAC	10 A	131.78	117.85	110.24	98.84
655	CSL-38-30010	G8	20-30	18-28	32 VDC	10 A	142.50	123.56	119.44	107.08
655	CSL-38-40010	G8	40-58	38-56	60 VDC	10 A	131.78	117.85	110.24	98.84
655	CSL-38-60010	G8	92-140	90-138	150 VDC	10 A	131.78	117.85	110.24	98.84
Sockets and Accessories for CS Series										
655	27E122		8-pin screw terminal socket, rated 10 A				4.33	3.71	3.30	2.68
655	27E891		8-pin DIN rail snap mount socket, rated 10 A				5.29	4.54	4.03	3.28
655	24A110		Aluminum DIN rail track, 36"				10.48	9.43	8.38	6.81

DIMENSIONS (mm.)



WIRING DIAGRAM



DIMENSIONS (mm)

P&B PRD SERIES: HEAVY DUTY POWER RELAYS

cifications:
tial breakdown voltage: 2000 Vrms between all elements and ground.

- Expected mechanical life: 100,000 operations
- Screw terminal termination

ith magnetic blow-out

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Potter & Brumfield Part Number	Fig.	Coil Voltage	Main Contact Arrangement	Contact Rating	Contact Material	Price Each 1	25	50	100
55-PRD-3AY0-120	PRD-3AY0-120	A	120 VAC	SPST-NO-DM	25 A	Silver	19.14	18.58	16.90	14.64
55-PRD-5AY0-120	PRD-5AY0-120	A	120 VAC	SPDT	25 A	Silver	21.95	21.30	19.37	16.79
55-PRD-5DY0-12	PRD-5DY0-12	A	12 VDC	SPDT	25 A	Silver	21.26	20.64	18.77	16.27
55-PRD-7AG0-120	PRD-7AG0-120	B	120 VAC	DPST-NO	30 A	AgCdO	23.63	22.94	20.86	18.07
55-PRD-7AY0-120	PRD-7AY0-120	B	120 VAC	DPST-NO	25 A	Silver	23.75	23.05	20.96	18.16
55-PRD-7AY0-240	PRD-7AY0-240	B	240 VAC	DPST-NO	25 A	Silver	24.26	23.54	21.41	18.55
55-PRD-7DY0-12	PRD-7DY0-12	B	12 VDC	DPST-NO	25 A	Silver	23.00	22.33	20.30	17.59
55-PRD-7DY0-24	PRD-7DY0-24	B	24 VDC	DPST-NO	25 A	Silver	23.00	22.33	20.30	17.59
55-PRD-11AH0-120	PRD-11AH0-120	C	120 VAC	DPDT	20 A	Silver	32.87	31.90	29.00	25.13
55-PRD-11AY0-24	PRD-11AY0-24	C	24 VAC	DPDT	25 A	Silver	29.50	28.63	26.03	22.56
55-PRD-11AY0-120	PRD-11AY0-120	C	120 VAC	DPDT	25 A	Silver	28.90	28.05	25.50	22.56
55-PRD-11AG0-120	PRD-11AG0-120	C	120 VAC	DPDT	30 A	AgCdO	28.78	27.93	25.40	22.45
55-PRD-11AY0-240	PRD-11AY0-240	C	240 VAC	DPDT	25 A	Silver	29.98	29.11	26.47	22.94
55-PRD-11DH0-24	PRD-11DH0-24	C	24 VDC	DPDT	20 A	Silver	32.08	31.14	28.31	24.53
55-PRD-11DY0-24	PRD-11DY0-24	C	24 VDC	DPDT	25 A	Silver	28.24	27.41	24.92	22.02
55-PRD-11DY0-110	PRD-11DY0-110	C	110 VDC	DPDT	25 A	Silver	31.62	30.69	27.90	24.18
55-PRD-11DG0-24	PRD-11DG0-24	C	24 VDC	DPDT	30 A	AgCdO	28.75	27.90	25.37	21.98
55-PRD-11DH0-110	PRD-11DH0-110	C	110 VDC	DPDT	20 A	Silver	34.31	33.30	30.27	26.75

P&B S86/S87 SERIES: LOW COST INDUSTRIAL RELAYS

cifications:
Class B coil insulation system
il terminal locations: S86 - Same side as switch
rminals; S87 - Perpendicular to switch terminals

- Expected mechanical life: 1 million operations
- Applications include spa controls, vending machines, and HVAC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Potter & Brumfield Part Number	Fig.	Coil Voltage	Contact Form	Contact Rating	Coil Current	Price Each 1	25	50	100
5-S87R5A2B1D1-120	S87R5A2B1D1-120	D	120 VAC	SPDT	20 A	33 mA	19.13	15.18	14.62	14.62
5-S87R11A2B1D1120	S87R11A2B1D1-120	D	120 VAC	DPDT	20 A	33 mA	25.82	20.51	19.75	19.75
5-S86R11A1B1D1120	S86R11A1B1D1-120	E	120 VAC	DPDT	20 A	33 mA	27.22	21.61	20.81	20.81

P&B S89/S90 SERIES: BISTABLE IMPULSE RELAYS

cifications:
perates on 75ms min. pulse
xpected mechanical life: 100,000 operations

- UL Class B coil insulation system
- Applications include garage door controls, motor reversing, and lighting controls

ith dust cover and octal plug-in base

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Potter & Brumfield Part Number	Fig.	Coil Voltage	Contact Form	Contact Rating	Coil/Switch Terminals	Price Each 1	25	50	100
55-S89R11APP1-120	S89R11APP1-120	F	120 VAC	DPDT	15 A	-----	60.65	57.07	49.94	46.38
55-S89R11DAC1-12	S89R11DAC1-12	G	12 VDC	DPDT	15 A	.187 QC	33.59	31.62	27.66	25.69
55-S89R11DAC1-24	S89R11DAC1-24	G	24 VDC	DPDT	15 A	.187 QC	33.59	31.62	27.66	25.69
55-S89R5AAC1-120	S89R5AAC1-120	G	120 VAC	SPDT	15 A	.187" QC	28.12	26.46	23.16	21.50
55-S89R5AAC1-24	S89R5AAC1-24	G	24 VAC	SPDT	15 A	.187" QC	28.12	26.46	23.16	21.50
55-S89R5DAC1-12	S89R5DAC1-12	G	12 VDC	SPDT	15 A	.187" QC	26.63	25.07	21.94	20.37
55-S90R11ABD1-120	S90R11ABD1-120	G	120 VAC	DPDT	20 A	.250" QC	44.84	35.87	31.39	29.15
55-S90R11ABD1-24	S90R11ABD1-24	G	24 VAC	DPDT	20 A	.250" QC	44.84	35.87	31.39	29.15
55-S90R5ABD1-120	S90R5ABD1-120	G	120 VAC	SPDT	20 A	.250" QC	31.46	28.67	25.90	24.05

P&B DEFINITE PURPOSE MAGNETIC CONTACTORS

cifications:
ontact material: Silver-cadmium oxide
xpected mechanical life: AC coil - 2 million operations
DC coil - 10 million operations

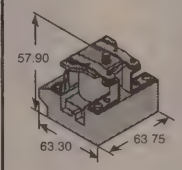
- For controlling motors, power supplies, heating elements, and lighting
- Minimum contact load: 3A @ 120 VAC
- Class A insulation class
- Coil terminals: 8-32 Screw terminals and .250" QC

ith SPDT auxiliary switch

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Potter & Brumfield Part Number	Fig.	Coil Voltage	Contact Arrangement	Contact Rating	Contact Material	Price Each 1	25	50	100
55-P25P42A22P1-120	P25P42A22P1-120	H	120 VAC	3PST-NO-DM	25 A	AgCdO	75.53	73.31	66.65	57.77
55-P25P42A22P1-240	P25P42A22P1-240	H	240 VAC	3PST-NO-DM	25 A	AgCdO	75.53	73.31	66.65	57.77
55-P25P42D22P1-24	P25P42D22P1-24	I	24 VDC	3PST-NO-DM	25 A	AgCdO	66.52	64.57	58.70	50.87
55-P30P42D12P1-24	P30P42D12P1-24	J	24 VDC	3PST-NO-DM	30 A	AgCdO	78.43	76.12	69.22	59.99
55-P40P42D12P1-24	P40P42D12P1-24	J	24 VDC	3PST-NO-DM	40 A	AgCdO	78.58	76.27	69.34	60.09

A



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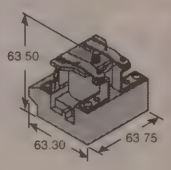

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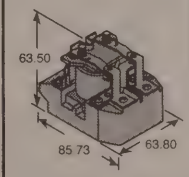

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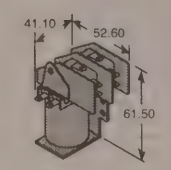

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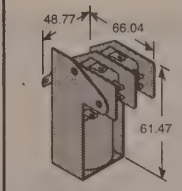

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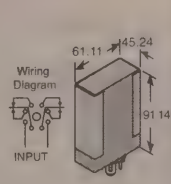

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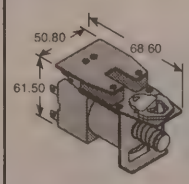

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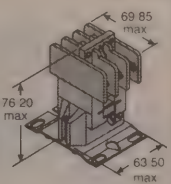

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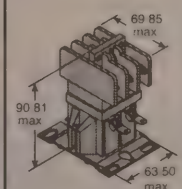

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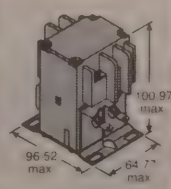


PHOENIX CONTACT
INSPIRING INNOVATIONS

PLC SERIES DIN RAIL RELAYS

Features:

- All relay terminal blocks come with pluggable relay installed
- Terminal blocks have screw clamp contacts
- Terminal blocks mount to standard DIN rail
- Terminal blocks have a indicator LED
- Convenient and cost saving plug-in bridge system available
- Relays are easily replaced without wiring being removed
- New ultra narrow design
- Solid State Optocouplers versions are available
- Terminal block width: 6.2mm for SPDT and OPTO; 14mm for DPDT

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Input Voltage	Contact Type	Contact Material	Description	Price Each 1	10	50
Universal PLC Series with Pluggable Relay										
651	2966906	A	PLC-RSC-12DC/21	12 V DC	SPDT	AgSnO	Standard Power Contact	14.25	13.50	13.00
651	2966171	A	PLC-RSC-24DC/21	24 V DC	SPDT	AgSnO	Standard Power Contact	13.40	12.75	10.59
651	2966184	A	PLC-RSC-24UC/21	24 V AC/DC	SPDT	AgSnO	Standard Power Contact	14.00	13.50	13.00
651	2966197	A	PLC-RSC-120UC/21	120 V AC	SPDT	AgSnO	Standard Power Contact	16.25	15.43	14.65
651	2967060	A	PLC-RSC-24DC/21-21	24 V DC	DPDT	AgNi	Standard Power Contact	19.00	18.05	17.14
651	2967073	A	PLC-RSC-24UC/21-21	24 V AC/DC	DPDT	AgNi	Standard Power Contact	26.00	25.00	23.00
651	2967086	A	PLC-RSC-120UC/21-21	120 V AC	DPDT	AgNi	Standard Power Contact	23.00	21.85	20.75
651	2966919	A	PLC-RSC-12DC/21AU	12 V DC	SPDT	Ag+Au	Multi-Layer Contact	21.00	20.00	18.00
651	2966265	A	PLC-RSC-24DC/21AU	24 V DC	SPDT	Ag+Au	Multi-Layer Contact	19.00	18.00	16.98
651	2966278	A	PLC-RSC-24UC/21AU	24 V AC/DC	SPDT	Ag+Au	Multi-Layer Contact	25.65	23.75	19.00
651	2966281	A	PLC-RSC-120UC/21AU	120 V AC	SPDT	Ag+Au	Multi-Layer Contact	24.00	22.50	21.35
651	2967125	A	PLC-RSC-24DC/21-21AU	24 V DC	DPDT	AgNi+Au	Multi-Layer Contact	27.00	25.10	23.55
651	2967112	A	PLC-RSC-24UC/21-21AU	24 V AC/DC	DPDT	AgNi+Au	Multi-Layer Contact	27.00	26.19	24.88
651	2967138	A	PLC-RSC-120UC/21-21AU	120 V AC	DPDT	AgNi+Au	Multi-Layer Contact	36.00	34.00	31.67
651	2967604	A	PLC-RSC-24DC/1IC/ACT	24 V DC	1 N/O	AgSnO	High Inrush Current (80A)	25.00	23.75	22.00
651	2967617	A	PLC-RSC-12DC/21HC	12 V DC	SPDT	AgNi	High Continuous Current (10A)	24.00	23.10	21.84
651	2967620	A	PLC-RSC-24DC/21HC	24 V	SPDT	AgNi	High Continuous Current (10A)	19.00	18.05	17.14
651	2967662	A	PLC-RSC-120UC/21HC	120 V AC	SPDT	AgNi	High Continuous Current (10A)	23.00	21.85	20.75
651	2966210	A	PLC-RSC-24DC/1/ACT	24 V DC	1 N/O	AgSnO	Actuator Type (6A)	12.00	11.56	11.10
651	2967109	A	PLC-RSC-24DC/1-1/ACT	24 V DC	2 N/O	AgNi	Actuator Type (6A)	17.50	16.62	15.79
651	2966320	A	PLC-RSC-120UC/1AU/SEN	120 V AC	1 N/O	AgAu	Sensor Type	14.00	13.00	12.63
651	5603593	A	PLC-RSC-120UC/21/SO46	120 V AC	SPDT	AgSnO	RCZ Interference Filter	25.00	23.94	21.84
651	5603678	A	PLC-RSC-24DC/21-21/AEx	24 V DC	DPDT	AgNi	Class 1, Division 2 Rated	28.00	26.57	25.24
651	5603154	A	PLC-RSC-24DC/21 C1D2	24 V DC	SPDT	AgSnO	Class 1, Division 2 Rated	14.00	13.00	12.60
651	5603157	A	PLC-RSC-120UC/21 C1D2	120 V AC	SPDT	AgSnO	Class 1, Division 2 Rated	16.00	15.12	13.97
Universal PLC Series with Pluggable Optocoupler										
651	2966634	A	PLC-OSC-24DC/24DC/2	24 V DC	OPTO	----	33 VDC Max Switching (3A)	28.00	25.00	24.00
651	2966650	A	PLC-OSC-120UC/24DC/2	120 V AC	OPTO	----	33 VDC Max Switching (3A)	44.00	41.97	39.87
651	2966676	A	PLC-OSC-24DC/24DC/2/ACT	24 V DC	OPTO	----	33 VDC Max Switching, Actuator	28.00	26.11	24.80
651	2966728	A	PLC-OSC-24DC/48DC/100	24 V DC	OPTO	----	48 VDC Max Switching (100mA)	19.00	18.05	17.14
651	2966744	A	PLC-OSC-120UC/48DC/100	120 V AC	OPTO	----	48 VDC Max Switching (100mA)	24.00	22.00	21.00

PLC SERIES DIN RAIL RELAY ACCESSORIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	Price Each 1	10	50
651	2296870	B	PLC-VT	Green Standard Feed Thru Terminal Block (6A)	8.25	7.50	7.12
651	2966508	C	PLC-ESK GY	Gray Power Feed Thru Terminal Block (32A)	15.00	14.09	13.27
651	2966841	D	PLC-ATP BK	Black Separation Plate	2.03	1.88	1.50
651	2295554	E	PLC-V8/FLK 14/OUT	Rapid Output Plug Adapter to 14 Pin Ribbon Connection	33.50	32.16	30.87
651	2966692	F	FBST 500-PLC BU	Blue Continuous Plug-in Bridge (500mm Long)	16.00	15.04	14.11
651	2966786	F	FBST 500-PLC RD	Red Continuous Plug-in Bridge (500mm Long)	16.00	15.04	14.11
651	2966838	F	FBST 500-PLC GY	Gray Continuous Plug-in Bridge (500mm Long)	16.00	15.04	14.11
651	1051003	---	ZB 6:UNBEDRUCKT	ZB 6 Unprinted Marker Strip 10 section	.90	.84	.67

UMK 22 PLUGGABLE DIN RAIL POWER RELAY MODULES

Features:

- Modules comes with a installed pluggable relay
- Standard relay socket installed on module
- Universal mounting foot
- Terminal Block has screw clamp contacts
- Modules have a coil indicator LED
- Relays are easily replaced without wiring being removed
- Only 22.5mm wide
- Built in dampening diode circuit for DC

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Input Voltage	Contact Type	Contact Material	Description	Price Each 1	10	50
651	5520695	G	UMK 22 REL 24/21-ST	24 V DC	SPDT	10A	Pluggable Relay w/Mounting Base	30.99	29.44	27.97
651	5520705	G	UMK 22 REL 120/21-ST	120 V DC	SPDT	10A	Pluggable Relay w/Mounting Base	40.18	38.17	36.26
651	5520734	G	UMK 22 REL 24/21-21-ST	24 V DC	DPDT	5A	Pluggable Relay w/Mounting Base	40.18	38.17	36.26
651	5520721	G	UMK 22 REL 120/21-21-ST	120 V DC	DPDT	5A	Pluggable Relay w/Mounting Base	47.06	44.70	42.47

PSR DIN RAIL SAFETY RELAYS

Features:

- Applications include emergency stops, safety doors, safe time, and two-handed control
- 22.5mm Housing made from polyamide PA material
- Input Voltage: 24V AC/DC
- Housing Color: Yellow
- For more safety contacts use expansion module

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Safety Standard	Contacts	Activation	Description	Price Each
651	2963718	H	PSR-SCP-24UC/ESM4/2X1/1X2	Cat. 4 (EN 954-1)	2 N/O, 1 N/C	Manual	2-channel for emergency off and protective door circuits	155.00
651	2963750	H	PSR-SCP-24UC/ESA4/2X1/1X2	Cat. 4 (EN 954-1)	2 N/O, 1 N/C	Manual/Auto	2-channel for emergency off and protective door circuits	155.00
651	2963776	H	PSR-SCP-24UC/ESM4/3X1/1X2/B	Cat. 4 (EN 954-1)	3 N/O, 1 N/C	Manual	2-channel for emergency off and protective door circuits	185.00
651	2963763	H	PSR-SCP-24UC/ESA4/3X1/1X2/B	Cat. 4 (EN 954-1)	3 N/O, 1 N/C	Manual/Auto	2-channel for emergency off and protective door circuits	185.00
651	2963912	H	PSR-SCP-24UC/ESAM4/8X1/1X2	Cat. 4 (EN 954-1)	8 N/O, 1 N/C	Manual/Auto	1 or 2-channel for emergency off and protective door circuits	352.00
651	2963802	H	PSR-SCP-24UC/ESA2/4X1/1X2/B	Cat. 2 (EN954-1)	4 N/O, 1 N/C	Manual / Auto	1-channel for emergency off and protective door circuits	173.00
651	2963789	H	PSR-SCP-24UC/ESD/4X1/1X2/600	Cat. 4 (EN954-1)	2 N/O, 1 N/C	Manual / Auto	1 or 2-channel for emergency off and protective door circuits	355.00
651	2963721	H	PSR-SCP-24UC/THC4/2X1/1X2	Cat. 4 (EN954-1)	2 N/O, 1 N/C	Auto	Protective door and two-hand trip guards to EN 574 type IIIC	195.00
651	2963734	H	PSR-SCP-24UC/URM4/5X1/2X2	Cat. 4 (EN954-1)	5 N/O, 2 N/C	------	1 or 2-channel expansion module	144.00
651	2963747	H	PSR-SCP-24UC/URM/5X1/2X2	Type A (EN50-205)	5 N/O, 2 N/C	-------	Universal safety relay positive-action contacts (Green Color)	86.00

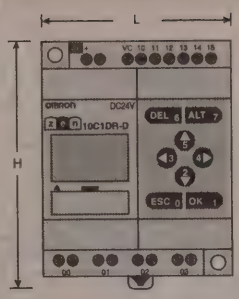
OMRON ZEN PROGRAMMABLE NANO CONTROLLER

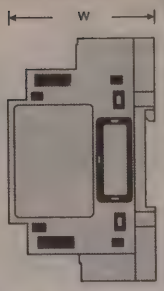
ano sized controller has the features and functions of both a programmable controller and smart relay to allow simple yet powerful ntrol. Apply the ZEN to small-scale control applications where simple functionality and low cost are critical. Provides an economical ernative to discrete timers, counters and general-purpose relays. Control programs can be created using the 32-bit, Windows-based EN support software or using the operation buttons on the front panel (LCD models only). The ZEN is also flexible, with six CPU pes, multiple expansion options, and a wide selection of accessories.

eatures:
- Wide variety of functions
- Saving and copying of programs
- Space saver-the extreme compact size allows for installation in almost any location
- Flexible expansion- up to 44 I/O points if expansion I/O units added.
- Memory backup
- Password Protection

pecifications:
- CPUs have relay outputs
- ZEN support software runs on Windows 95, 98, 2000, ME, or NT 4.0

DIMENSIONS (mm)			
	L	W	H
ZEN-10	70	56	90
ZEN-20	122.5	56	90





PU

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Type	No. of I/O Points	Input Voltage	No. of Inputs	No. of Outputs	LCD and Buttons	Calendar and Clock	Analog Input	Price Each 1	2	5	10
53-ZEN-10C1AR-A	ZEN-10C1AR-A-V1	LCD	10	100-240 VAC	6	4	Yes	Yes	No	150.00	136.50	131.63	126.75
53-ZEN-10C2AR-A	ZEN-10C1AR-A-V1	LED	10	100-240 VAC	6	4	No	No	No	120.00	109.20	105.30	101.40
53-ZEN-10C1DR-D	ZEN-10C1DR-D-V1	LCD	10	24VDC	6	4	Yes	Yes	Yes	150.00	136.50	131.63	126.75
53-ZEN-10C2DR-D	ZEN-10C2DR-D-V1	LED	10	24VDC	6	4	No	No	Yes	120.00	109.20	105.30	101.40
53-ZEN-20C1AR-A	ZEN-20C1AR-A-V1	LCD	20	100-240VAC	12	8	Yes	Yes	No	225.00	202.28	195.75	189.23
53-ZEN-20C2AR-A	ZEN-20C2AR-A-V1	LED	20	100-240VAC	12	8	No	No	No	195.00	175.31	169.65	164.00
53-ZEN-20C1DR-D	ZEN-20C1DR-D-V1	LCD	20	24 VDC	12	8	Yes	Yes	Yes	225.00	202.28	195.75	189.23
53-ZEN-20C2DR-D	ZEN-20C2DR-D-V1	LED	20	24 VDC	12	8	No	No	Yes	195.00	175.31	169.65	164.00

xpansion I/O

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Input Voltage	Number of Inputs	Number of Outputs	Price Each 1	2	5	10
53-ZEN-8EAR	ZEN-8EAR	100-240 VAC	4	4	65.00	61.26	59.15	57.04
53-ZEN-8EDR	ZEN-8EDR	24VDC	4	4	65.00	61.26	59.15	57.04
53-ZEN-4EA	ZEN-4EA	100-240 VAC	4	- - - - -	45.00	42.41	40.95	39.49
53-ZEN-4ED	ZEN-4ED	24VDC	4	- - - - -	45.00	42.41	40.95	39.49

upporting Materials

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each 1	2	5	10
53-ZEN-ME01	ZEN-ME01	Memory cassette, copy program to multiple units	25.00	23.56	22.75	21.94
53-ZEN-CIF01	ZEN-CIF01	2m RS-323C Connecting cable	75.00	70.69	68.25	65.81
53-ZEN-BAT01	ZEN-BAT01	Battery unit, memory back-up	35.00	32.99	31.85	30.71
53-ZEN-SOFT01-V.X	ZEN-SOFT01-V.3	ZEN support software	50.00	47.13	45.50	43.88
53-W385-E1-3	W385-E1-3	ZEN programmable relays operation manual	9.75	- - -	- - -	- - -
53-W386-E1-2	W386-E1-2	ZEN support software operation manual	6.10	- - -	- - -	- - -

OMRON ZEN STARTER KIT

ZEN Starter Kit includes CPU (ZEN-10C1AR-A), programming cable (ZEN-CIF01), support software (ZEN-SOFT01-V.X) manuals (W385 AND W386) simulator switches (ZEN-ETL01)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Price Each
653-ZEN-STARTER01	ZEN-STARTER-01	235.00

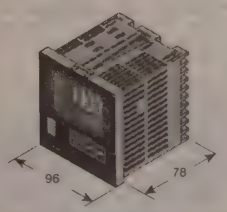
OMRON E5AN SERIES 1/4 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:
- Thermocouple input: K, J, T, E, L, U, N, R, S, B RTD input available upon request
- Relay output: SPST-NO, 250 VAC, 5 A (resistive load), electrical life: 100,000 operations
- Voltage output: 12 VDC +15%/20% (PNP), max. load current: 40 mA, with short-circuit protection circuit
- Current output: 4 to 20 mA DC, load: 600 & max., resolution: approx. 2,600
- Voltage output is for driving SSR

Features:
- Water-resistant construction (NEMA 4X)
- Reduced panel depth of only 78mm
- 3 Alarm points
- 3-year warranty

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Heater Burnout Alarm	Output Type	Price Each 1	2	5	10
653-E5AN-Q3MTC-5AC1	E5AN-Q3MTC-500 AC100-240	100-240 VAC	No	Voltage	275.00	255.20	231.28	223.30
653-E5AN-R3MTC-5AC1	E5AN-R3MTC-500 AC100-240	100-240 VAC	No	Relay	275.00	255.20	231.28	223.30
653-E5AN-C3MTC-5AC1	E5AN-C3MTC-500 AC100-240	100-240 VAC	No	Current	316.00	293.25	265.76	256.59



DIMENSIONS (mm)

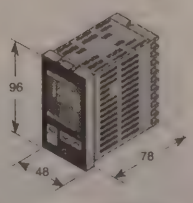
OMRON E5EN SERIES 1/8 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:
- Thermocouple input: K, J, T, E, L, U, N, R, S, B RTD input available upon request
- Relay output: SPST-NO, 250 VAC, 5 A (resistive load), electrical life: 100,000 operations
- Voltage output: 12 VDC +15%/20% (PNP), max. load current: 40 mA, with short-circuit protection circuit
- Current output: 4 to 20 mA DC, load: 600 & max., resolution: approx. 2,600
- Voltage output is for driving SSR

Features:
- Water-resistant construction (NEMA 4X)
- Reduced panel depth of only 78mm
- 3 Alarm points
- 3-year warranty

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Heater Burnout Alarm	Output Type	Price Each 1	2	5	10
653-E5EN-Q3HMTC-5AC1	E5EN-Q3HMTC-500 AC100-240	100-240 VAC	Yes	Voltage	224.00	207.87	188.38	181.89
653-E5EN-R3HMTC-5AC1	E5EN-R3HMTC-500 AC100-240	100-240 VAC	Yes	Relay	224.00	207.87	188.38	181.89
653-E5EN-C3MTC-5AC1	E5EN-C3MTC-500 AC100-240	100-240 VAC	No	Current	245.00	227.36	206.05	198.94



DIMENSIONS (mm)

OMRON E5CN SERIES 1/16 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:

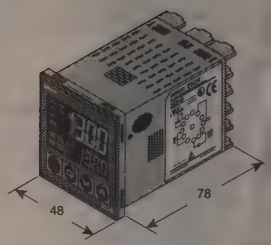
- Thermocouple input: K, J, T, E, L, U, N, R, S, B
- Platinum resistance thermometer input: Pt100 or JPt100
- Infrared temperature sensor input: 10-70° C, 60-120° C, 115-165° C, or 160-260° C
- Voltage input: 0-50mV
- Relay output: SPST-NO, 250 VAC, 3 A (resistive load), electrical life: 100,000 operations
- Voltage output: 12 VDC ±15% (PNP), max. load current: 21 mA, with short-circuit protection circuit
- Current output: 4 to 20 mA DC, load: 600 W max., resolution: approx. 2,600
- Voltage output is for driving SSR

Features:

- Connect to either thermocouple or platinum resistance thermometer with the same model
- Water-resistant construction (NEMA 4X)
- Reduced panel depth of only 78mm
- 2 alarms
- 3-year warranty

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Heater Burnout Alarm	Output Type	Price Each 1	2	5	10
653-E5CN-Q2MT-5AC1	E5CN-Q2MT-500-AC100-240	100-240 VAC	No	Voltage	168.00	155.90	141.29	136.42
653-E5CN-R2MT-5AC1	E5CN-R2MT-500-AC100-240	100-240 VAC	No	Relay	168.00	155.90	141.29	136.42
653-E5CN-C2MT-5AC1	E5CN-C2MT-500-AC100-240	100-240 VAC	No	Current	223.00	206.94	187.54	181.08



DIMENSIONS (mm)

OMRON E5GN SERIES 1/32 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:

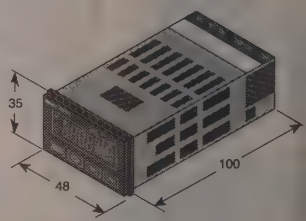
- Thermocouple input: K, J, T, E, L, U, N, R, S, B RTD input available upon request
- Voltage output: 12 VDC +15%/20% (PNP), max. load current: 21 mA, with short-circuit protection circuit
- Relay output: SPST-NO, 250 VAC, 2 A (resistive load), electrical life: 100,000 operations
- Voltage output is for driving SSR

Features:

- Water-resistant construction (NEMA 4X)
- 1 alarm
- 3-year warranty

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Heater Burnout Alarm	Output Type	Price Each 1	2	5	10
653-E5GN-Q1TC-AC1	E5GN-Q1TC-AC100-240	100-240 VAC	No	Voltage	162.00	150.34	136.24	131.51
653-E5GN-R1TC-AC1	E5GN-R1TC-AC100-240	100-240 VAC	No	Relay	162.00	150.34	136.24	131.51



DIMENSIONS (mm)

OMRON E5CS-X SERIES 1/16 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:

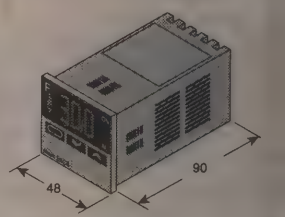
- Thermocouple input: Type K and J
- VThermocouple input models are factory-set to switch position 2 for a temperature range of 0° to 400°, using a type K thermocouple
- Relay output: SPDT, 250 VAC, 3 A (resistive load)
- Voltage output: 12 VDC, 20 mA, with short-circuit protection circuit

Features:

- Accurate to ±0.5% of full scale
- 8-Function alarm
- Field selectable temperature range
- 3-year warranty

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Connection	Output Type	Price Each 1	2	5	10
653-E5CS-Q1KJX-F	E5CS-Q1KJX-F	100-240 VAC	Screw terminals	Voltage	222.00	206.02	186.70	180.26
653-E5CS-R1KJX-F	E5CS-R1KJX-F	100-240 VAC	Screw terminals	Relay	222.00	206.02	186.70	180.26



DIMENSIONS (mm)

OMRON E5C2 SERIES 1/16 DIN SIZE ANALOG TEMPERATURE CONTROLLERS

Specifications:

- Temperature range: 32-392° F/0-200° C. Other temperature ranges available upon request
- Thermocouple type J input. Type K, platinum RTD, and thermistor input available upon request
- Relay (contact) output: SPDT, 3A, 250 VAC (resistive load) Voltage output available upon request

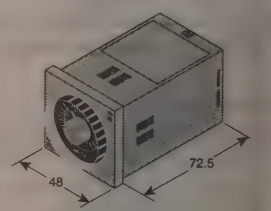
*PD - Proportional-derivative

Features:

- Fits standard 8-pin round sockets
- Front panel offset adjustment on PD controllers
- Dual scale dial

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Control Type	Output Type	Price Each 1	2	5	10
653-E5C2R20J	E5C2-R20J-0-200C-32-392F-AC120	110/120 VAC	ON/OFF	Relay	96.50	89.55	81.16	78.36
653-E5C2R40J	E5C2-R40J-0-200C-32-392F-AC120	110/120 VAC	PD*	Relay	96.50	89.55	81.16	78.36



DIMENSIONS (mm)

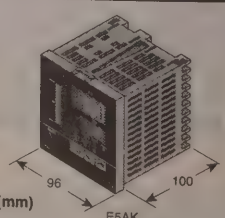
OMRON E5AK/E5CK/E5EK DIGITAL PROCESS CONTROLLERS

Specifications:

- Inputs: Thermocouple - K, J, T, E, L, U, N, R, S, B, W, PLII
  Platinum resistance thermometer (RTD) - JPt100, Pt100
  Current input - 4-20mA, 0-20mA
  Voltage input - 1-5 V, 0-5 V, 0-10 V
- Control method: ON/OFF, Advanced PID Control (with auto-tuning) or Self-tuning

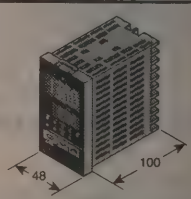
Features:

- Water-resistant construction (NEMA 4X)
- Advanced PID, or fuzzy self-tuning
- Field configurable outputs, options
- Field-selectable input - RTD, thermocouple, current/voltage
- 3-year warranty



DIMENSIONS (mm)

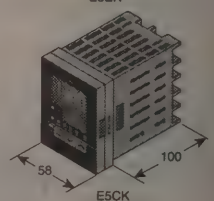
E5AK



E5EK

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	DIN Size	Number/type of Auxiliary outputs	Price Each 1	2	5	10
653-E5AK-AA2-500	E5AK-AA2-500	100-240 VAC	1/4	2/SPST-NO 3A	430.00	399.04	361.63	349.16
653-E5EK-AA2-500	E5EK-AA2-500	100-240 VAC	1/8	2/SPST-NO 3A	406.00	376.77	341.45	329.67
653-E5CK-AA1-500	E5CK-AA1-500	100-240 VAC	1/16	1/SPST-NO 1A	241.00	223.65	202.68	195.69



E5CK

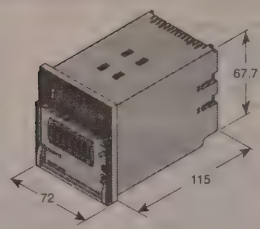
H7AN SERIES SOLID STATE DIGITAL COUNTERS

ecifications:
upply voltage: 100-240 VAC
lounting: Panel mount, 2 mounting brackets included
utput modes: 2 sustained, 5 one-shot output modes
Double preset - 2 SPST-NO contacts and 2 solid-state open collector ouputs
lodels with memory backup have 3V lithium battery that provides 10 years of memory retention

Features:
- Draw-out construction allows setting and servicing without disconnecting wiring
- Built-in DC power supply for input devices
- Panel-mounting hardware included

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Counting Method	Preset	Memory Backup	Display Type	Price Each 1	2	5
3-H7AN-2D-AC100	H7AN-2D-AC100-240	UP or DOWN (selectable)	Single	Not provided	2-digit LED	370.00	343.36	321.90
3-H7AN-4D-AC100	H7AN-4D-AC100-240	UP or DOWN (selectable)	Single	Not provided	4-digit LED	391.00	362.85	340.17
3-H7AN-4DM-AC1	H7AN-4DM-AC100-240	UP or DOWN (selectable)	Single	Provided	4-digit LED	399.00	370.27	347.13
3-H7AN-WE4DM-AC1	H7AN-WE4DM-AC100-240	Reversible	Double	Provided	4-digit LED	446.00	413.89	388.02
3-H7AN-R6DM-AC1	H7AN-R6DM-AC100-240	UP/DOWN and Reversible	Single	Provided	6-digit LED	572.00	530.82	497.64



DIMENSIONS (mm)

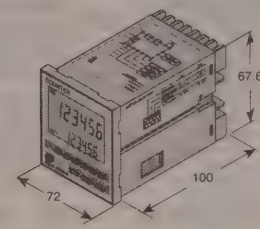
H7BR SERIES DIGITAL COUNTERS

ecifications:
upply voltage: 100-240 VAC
lo voltage input via opening and closing of contact
oltage input via high and low signal voltage
ackup time for power interruption: 10 years

Features:
- Backlit LCD display
- H7BR-C provides large/small discrimination mode
- H7BR-B batch counter allows count in dozens, hundreds, or any count preset

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Teaching Function	Function	Number of Presets	Display Type	Price Each 1	2	5
3-H7BR-B-AC100	H7BR-B-AC100-240	No voltage	No	Standard	1	420.00	389.76	365.40
3-H7BR-BV-AC100	H7BR-BV-AC100-240	Voltage	No	Standard	1	420.00	389.76	365.40
3-H7BR-BW-AC100	H7BR-BW-AC100-240	No voltage	No	Standard	2	432.00	400.90	375.84
3-H7BR-BWV-AC100	H7BR-BWV-AC100-240	Voltage	No	Standard	2	432.00	400.90	375.84
3-H7BR-C-AC100	H7BR-C-AC100-240	No voltage	Yes	+/- range	1	509.00	472.35	442.83



DIMENSIONS (mm)

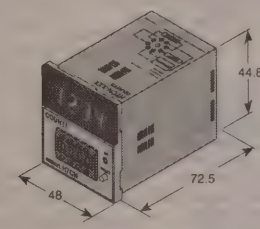
H7CN SERIES 1/16 DIN DIGITAL COUNTERS

ecifications:
Supply voltage: 100-240 VAC
Output mode: Sustained until reset
Reversible counting type has individual input operating mode
Only the solid-state input signal is available for the 5 kcps counting speed models

Features:
- Easy to read 8mm high 4-digit LED display
- Contact and solid-state inputs for count and reset

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Operating Mode	Output Type	Max. Counting Speed	Memory Backup	Price Each 1	2	5
3-H7CN-XLN-AC	H7CN-XLN-AC	UP counting	SPST-NO	30 cps	Not provided	205.00	190.24	178.35
3-H7CN-XHN-AC	H7CN-XHN-AC	UP counting	SPST-NO	5 kcps	Not provided	205.00	190.24	178.35
3-H7CN-YLNM-AC	H7CN-YLNM-AC	DOWN counting	SPDT	30 cps	Provided	205.00	190.24	178.35
3-H7CN-BLN-AC	H7CN-BLN-AC	Reversible counting	SPST-NO	30 cps	Not provided	205.00	190.24	178.35



DIMENSIONS (mm)

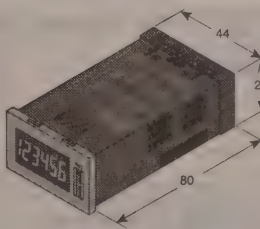
H7GP SERIES COUNT/TIME TOTALIZERS

ecifications:
Supply voltage: 100-240 VAC
Panel mount
Screw terminal connections
Memory backup: EEPROM 200,000 operations min.

Features:
- High-visibility 8.5mm 6-digit negative transmissive LCD display
- NEMA 4 protection when used with Y92S-32 rubber gasket supplied with each unit
- Switch between NPN and PNP operation

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Classification	Input Mode	Color of Front Section	Price Each 1	2	5
3-H7GP-C	H7GP-C	Totalizing counter	Up(incremental)	Light gray	152.00	141.06	132.24
3-H7GP-CB	H7GP-CB	Totalizing counter	Up(incremental)	Black	152.00	141.06	132.24
3-H7GP-T	H7GP-T	Time totalizer	Accumulative	Light gray	152.00	141.06	132.24
3-H7GP-TB	H7GP-TB	Time totalizer	Accumulative	Black	152.00	141.06	132.24



DIMENSIONS (mm)

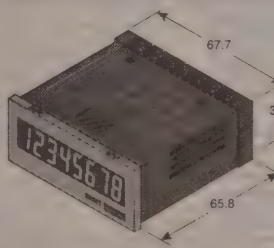
H7HP SERIES COUNT/TIME TOTALIZERS

ecifications:
Panel mount
Screw terminal connections
nput mode: H7HP-A, H7HP-AB, and H7HP-AD - Up/down (total counter) or accumulative (time counter) H7HP-C8, H7C8B - Up/down

Features:
- Compact and easy to read negative transmissive LCD displays with red LED backlight
- NEMA 4 protection when used with Y92S-33 rubber gasket supplied with each unit

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Classification	Number of Digits	Supply Voltage	Color of Front Section	Price Each 1	2	5
3-H7HP-A	H7HP-A	Count/time counter	6	100-240 VAC	Light gray	197.00	182.82	171.39
3-H7HP-AB	H7HP-AB	Count/time counter	6	100-240 VAC	Black	197.00	182.82	171.39
3-H7HP-C8	H7HP-C8	Totalizing counter	8	100-240 VAC	Light gray	208.00	193.02	180.96
3-H7HP-C8B	H7HP-C8B	Totalizing counter	8	100-240 VAC	Black	208.00	193.02	180.96
3-H7HP-AD	H7HP-AD	Count/time counter	6	12-24 VDC	Light gray	157.00	145.70	136.59



DIMENSIONS (mm)

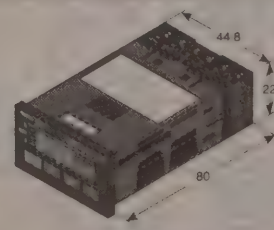
H8GN SERIES 1/32 DIN ADVANCED COUNTER/TIMERS

ecifications:
Supply voltage: 24 VDC
Flush mounting
Screw terminal connections
rld's smallest combination counter/timer with communications

Features:
- 4-digit preset counter or 4-digit timer operation 8-digit totalizer
- NEMA 4X with IP66 front panel
- Built-in scaling

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Output	Communications	Price Each 1	2	5
3-H8GN-AD-DC24	H8GN-AD-DC24	SPDT contact (3A @ 250 VAC/ 30VDC)	-----	202.00	187.46	175.74
3-H8GN-FLK-DC24	H8GN-AD-FLK-DC24	SPDT contact (3A @ 250 VAC/30 VDC)	RS-485 Communications	219.00	203.23	190.53



DIMENSIONS (mm)

OMRON INDUSTRIAL AUTOMATION

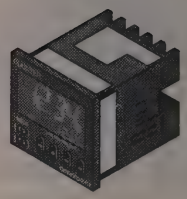
H7CX SERIES 1/16 DIN MULTIFUNCTION DIGITAL COUNTER

Specifications:
- Sensor Power Supply: 12VDC
- PNP/NPN selectable input
- NEMA4/IP66 front
- SPDT contact output rating: 5A @ 250VAC
- Adapter and waterproof packing provided with screw terminal connection types

Features:
- High speed response up to 5KHz can be scaled to 10KHz
- Programmable display color
- Key protect function

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Supply Voltage	Connection	No. of Digits	Price Each 1	5	10
Standard Counters (1 Stage)							
653-H7CX-A11-AC100	H7CX-A11-AC100-240	100-240 VAC	11-pin socket	6	170.00	157.76	142.97
653-H7CX-A11D-DC12	H7CX-A11D1-DC12-24/AC24	12-24 VDC/24VAC	11-pin socket	6	170.00	157.76	142.97
653-H7CX-A-AC100	H7CX-A-AC100-240	100-240 VAC	Screw terminal	6	161.00	149.41	135.40
653-H7CX-A114-AC100	H7CX-A114-AC100-240	100-240 VAC	11-pin socket	4	165.00	153.12	138.77
653-H7CX-A114D1-DC12	H7CX-A114D1-DC12-24/AC24	12-24 VDC/24VAC	11-pin socket	4	165.00	153.12	138.77
653-H7CX-A4-AC100	H7CX-A4-AC100-240	100-240 VAC	Screw terminal	4	161.00	149.41	135.40
Advance Counters (2 Stage)							
653-H7CX-AW-AC100	H7CX-AW-AC100-240	100-240 VAC	Screw terminal	6	199.00	184.67	167.36
653-H7CX-AWD1-DC12	H7CX-AWD1-DC12-24/AC24	12-24 VDC/24VAC	Screw terminal	6	199.00	184.67	167.36
653-H7CX-A4W-AC100	H7CX-A4W-AC100-240	100-240 VAC	Screw terminal	4	199.00	184.67	167.36
Accessories					1	25	50
653-Y92F-30	Y92F-30	Flush mounting adapter			6.40	5.94	5.38
653-P2CF-11	P2CF-11	11-pin socket, track mounting/front connecting			8.40	7.80	7.06
653-P3GA-11	P3GA-11	11-Pin Track Mounting Back Connecting Socket			8.40	7.80	7.06
653-PFP-100N	PFP-100N	DIN rail 1m x 7.3mm			6.36	5.79	5.13
653-PFP-M	PFP-M	DIN rail end plate			.69	.63	.56



H7CX-A Shown

H7EC SERIES: SUBMINIATURE, SELF-POWERED TOTAL COUNTER

Specifications:
- Max. counting speed: H7EC-NFV-B - 20 Hz; H7EC-NV-BH, H7EC-NV-B, and H7EC-N-B - 30 Hz or 1 kHz (Selectable)
- Operating mode: Up type
- External connections: Screw terminals
- H7EC-NV-BH (backlight model) requires 24 VDC supply voltage for backlight

Features:
- 8-digit counting range 0 to 99999999
- Key-protect switch to prevent front resetting
- NEMA 4/IP66 front
- Replaceable battery

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Count Input	Display	Price Each 1	5	10
653-H7EC-N-B	H7EC-N-B	No-voltage	7-segment LCD	51.00	47.33	42.89
653-H7EC-NFV-B	H7EC-NFV-B	AC/DC multi-voltage	7-segment LCD	51.00	47.33	42.89
653-H7EC-NV-B	H7EC-NV-B	PNP/NPN universal DC voltage	7-segment LCD	51.00	47.33	42.89
653-H7EC-NVBH	H7EC-NV-BH	PNP/NPN universal DC voltage	7-segment LCD with backlight	60.00	55.68	46.98
Accessories		Description		1	25	50
653-Y92F-75	Y92F-75	Panel adapter (26x45mm) used with mounting bracket provided w/ counter		3.10	2.88	2.61
614-CR2477N	CR2477NTS	Replacement battery, 3V lithium button cell		2.90	2.77	2.64

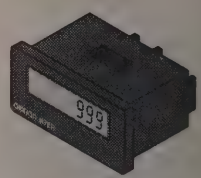
H7ER SERIES: SUBMINIATURE, SELF-POWERED TACHOMETER

Specifications:
- Max. counting speed: 1 kHz
- Number of digits: 4
- Operating mode: Up type
- External connections: Screw terminals
- H7EC-NV-BH (backlight model) requires 24 VDC supply voltage for backlight

Features:
- Dual revolution display according to encoder resolution used
- Black case
- NEMA 4/IP66 front
- Replaceable battery

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Count Input	Display	Price Each 1	5	10
653-H7ER-N-B	H7ER-N-B	No-voltage	7-segment LCD	65.50	60.78	55.09
653-H7ER-NV-B	H7ER-NV-B	PNP/NPN universal DC voltage	7-segment LCD	65.50	60.78	55.09
653-H7ER-NV-BH	H7ER-NV-BH	PNP/NPN universal DC voltage	7-segment LCD with backlight	71.50	66.35	60.13
Accessories		Description		1	25	50
653-Y92F-75	Y92F-75	Panel adapter (26x45mm) used with mounting bracket provided w/ counter		3.10	2.88	2.61
653-Y92F-76	Y92F-76	Panel adapter (27.5x52.5mm) used with mounting bracket provided w/ counter		3.10	2.88	2.61
653-Y92F-77	Y92F-77	Panel adapter (24.8x48.8mm) used with mounting bracket provided w/ counter		3.10	2.88	2.61
614-CR2477N	CR2477NTS	Replacement battery, 3V lithium button cell		2.90	2.77	2.64



H7ET SERIES: SUBMINIATURE, SELF-POWERED TIME COUNTER

Specifications:
- Minimum pulse width: 1 second
- External/Manual reset
- Operating mode: Up type
- External connections: Screw terminals
- Backlight models requires 24 VDC supply voltage for backlight

Features:
- 7 digits, time range 0 to 3999d23.9h
- Key-protect switch to prevent front resetting
- Black case
- NEMA 4/IP66 front
- Replaceable battery

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Count Input	Display	Selectable Time Range	Price Each 1	5	10
653-H7ET-N-B	H7ET-N-B	No-voltage	7-segment LCD	999999.9h or 3999d23.9h	60.00	55.68	50.46
653-H7ET-N1-B	H7ET-N1-B	No-voltage	7-segment LCD	999h59m59s or 9999h59.9m	60.00	55.68	50.46
653-H7ET-NFV-B	H7ET-NFV-B	AC/DC multi-voltage	7-segment LCD	999999.9h or 3999d23.9h	77.50	71.92	65.18
653-H7ET-NFV1-B	H7ET-NFV1-B	AC/DC multi-voltage	7-segment LCD	999h59m59s or 9999h59.9m	77.50	71.92	65.18
653-H7ET-NV-B	H7ET-NV-B	PNP/NPN universal DC voltage	7-segment LCD	999999.9h or 3999d23.9h	65.50	60.78	55.09
653-H7ET-NV1-B	H7ET-NV1-B	PNP/NPN universal DC voltage	7-segment LCD	999h59m59s or 9999h59.9m	65.50	60.78	55.09
653-H7ET-NV-BH	H7ET-NV-BH	PNP/NPN universal DC voltage	7-segment LCD w/ backlight	999999.9h or 3999d23.9h	65.50	60.78	55.09
653-H7ET-NV1-BH	H7ET-NV1-BH	PNP/NPN universal DC voltage	7-segment LCD w/ backlight	999h59m59s or 9999h59.9m	71.50	66.35	60.13
Accessories		Description			1	25	50
653-Y92F-75	Y92F-75	Panel adapter (26x45mm) used with mounting bracket provided w/ counter			3.10	2.88	2.61
653-Y92F-76	Y92F-76	Panel adapter (27.5x52.5mm) used with mounting bracket provided w/ counter			3.10	2.88	2.61
653-Y92F-77	Y92F-77	Panel adapter (24.8x48.8mm) used with mounting bracket provided w/ counter			3.10	2.88	2.61
614-CR2477N	CR2477NTS	Replacement battery, 3V lithium button cell			2.90	2.77	2.64

MOUSER ELECTRONICS a tti company

(800) 346-6873

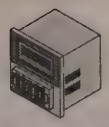
OMRON Solid-State Timers

OMRON INDUSTRIAL AUTOMATION

H3CA SERIES: 1/16 DIN, DIGITAL-SET, SOLID-STATE TIMER

Specifications:
Control Output: Time limit - SPDT; Instantaneous - N/A
Connection: 11-pin socket (P2CF-11) required for mounting
Mechanical service life: 10 million operation min.
Electrical service life: 100,000 operations min.
Timing functions: ON-delay, Repeat cycle, signal interval/ OFF-delay; signal OFF-delay I; interval; Cycle; signal ON-delay/OFF-delay; signal OFF-delay II

Features:
- 8 field-selectable operation modes
- Selectable no-voltage start, reset, gate and check input
- Time remaining LCD bar graph and LCD output status indicator
- Universal AC/DC supply voltage



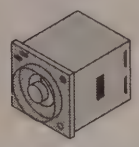
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Supply Voltage	Maximum Load	Price Each 1	5	10
653-H3CA-A	H3CA-A	24 to 240 VAC; 12 to 240 VDC	3 Amps @ 250 VAC	112.00	103.94	94.19
Accessories		**Description**		**1**	**25**	**50**
653-P2CF-11	P2CF-11	11-pin round socket, bottom surface or track mounting, top screw terminals		8.40	7.80	7.06
653-P3GA-11	P3GA-11	11-pin socket, back mounting, for use with Y92F-30, bottom screw terminals		8.40	7.80	7.06
653-Y92F-30	Y92F-30	Panel mount adapter, ideal for side by side installation, use w/ P3G sockets		6.40	5.94	5.38
653-PFP-100N	PFP-100N	DIN rail, 1 m in length		6.36	5.79	5.13
653-PFP-M	PFP-M	DIN rail spacer		.69	.63	.56

H3CR-A SERIES: 1/16 DIN, ANALOG-SET, SOLID-STATE TIMER

Specifications:
Control output type: DPDT relay
Supply voltage: 100-240 VAC/24 VAC or 12 VDC or 24 VDC
Maximum load: 5A @ 250 VAC
Timing functions for 11-pin round: ON-delay, Repeat cycle, signal ON/OFF delay, signal OFF delay, interval
Timing Functions for 8-pin round: ON-delay, interval

Features:
- Field selectable time ranges from 0.05 seconds to 300 hours.
- Choose 6- or 2-function models to fit most applications
- Wide range AC supply voltage models (100-240 VAC) fit most applications and reduce spare parts inventories
- Short (80 mm) panel mounting depth with socket allows for more space-efficient control panel design



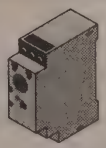
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Output	Terminal Form	Price Each 1	5	10
653-H3CRA-AC1	H3CR-A-AC100-240/DC100-125	100-240 VAC	11-pin round	60.00	55.68	50.46
653-H3CRA8-AC1	H3CR-A8-AC100-240/DC100-125	100-240 VAC	8-pin round	60.00	55.68	50.46
653-H3CRA-24	H3CR-A-AC24-48/DC12-48	24 VAC/VDC	11-pin round	60.00	55.68	50.46
Accessories		**Description**		**1**	**25**	**50**
653-P2CF-08	P2CF-08	8-pin round socket, bottom surface or track mounting, top screw terminals		7.10	6.59	5.97
653-P3G-08	P3G-08	8-pin socket, back mounting, for use with Y92F-30, bottom screw terminals		7.10	6.59	5.97
653-P2CF-11	P2CF-11	11-pin round socket, bottom surface or track mounting, top screw terminals		8.40	7.80	7.06
653-P3GA-11	P3GA-11	11-pin socket, back mounting, for use with Y92F-30, bottom screw terminals		8.40	7.80	7.06
653-Y92F-30	Y92F-30	Panel mount adapter, ideal for side by side installation, use w/ P3G sockets		6.40	5.94	5.38
653-PFP-100N	PFP-100N	DIN rail, 1 m in length		6.36	5.79	5.13
653-PFP-M	PFP-M	DIN rail spacer		.69	.63	.56

H3DE-M/-S SERIES: MULTIFUNCTION AND STANDARD SOLID-STATE TIMER

Specifications:
Supply voltage: 24-230 VAC/DC
Control DPDT relay output: 5A @ 250 VAC/30 VDC
Mechanical life expectancy: 10 million operations min.
Electrical life expectancy: 100,000 operations min
Timing Functions H3DE-M: ON-delay, flicker-OFF start, flicker-ON start, signal ON/OFF-delay, signal OFF-delay, interval, signal ON/OFF-delay, one-shot
Timing Functions H3DE-S: ON-delay, flicker-ON start, interval, one-shot

Features:
- Programmable contact enables the building of a self-holding relay circuit in H3DE-x2 models
- Wide AC/DC power supply range minimizes inventory
- Wide time setting range of 0.10 seconds to 120 hours
- High immunity to inverter noise
- Finger protection terminal block



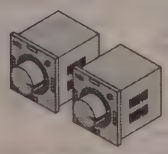
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Outputs	Price Each 1	5	10
Multifunction Timers					
653-H3DE-M1	H3DE-M1 AC/DC24-230	DPDT (time-limit) SPDT and switchable SPDT	44.00	40.83	37.00
653-H3DE-M2	H3DE-M2 AC/DC24-230	SPDT (time-limit output SPDT)	54.00	50.11	45.41
Standard Timers					
653-H3DE-S1	H3DE-S1 AC/DC 24-230	DPDT (time-limit) SPDT and switchable SPDT	33.50	31.09	28.17
653-H3DE-S2	H3DE-S2 AC/DC 24-230	SPDT (time-limit output SPDT)	44.00	40.83	37.00
Accessories		**Description**			
653-PFP-100N	PFP-100N	DIN rail, 1 m in length	6.36	5.79	5.13
653-PFP-M	PFP-M	DIN rail spacer	.69	.63	.56

H3JA SERIES: ECONOMICAL, COMPACT SOLID-STATE TIMER

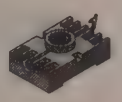
Specifications:
Time-limit contact: DPDT
Operation/Resetting system: Time-limit/self-resetting
Supply voltage: 100-120 VAC
Power consumption: 3VA (1.3W)

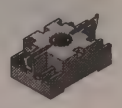
Features:
- Replaces H3G Series
- Dual LED indication for power and output status
- Large transparent knob
- DIN size 36x36mm fits 8-pin sockets



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Time Range	Price Each 1	5	10
653-H3JA-8C-10S	H3JA-8C-AC100-120-10S	1 to 10 seconds	43.50	40.36	37.85
653-H3JA-8C-30S	H3JA-8C-AC100-120-30S	3 to 30 seconds	43.50	40.36	37.85
653-H3JA-8C-60S	H3JA-8C-AC100-120-60S	6 to 60 seconds	43.50	40.36	37.85
653-H3JA-8C-5M	H3JA-8C-AC100-120-5M	0.5 to 5 minutes	43.50	40.36	37.85
Accessories		**Description**	**1**	**25**	**50**
653-PF085A	PF085A	8-pin socket, back mounting, for use with Y92F-31, bottom screw terminals	7.10	6.59	5.97
653-P3G-08	P3G-08	8-pin socket, back mounting, for use with Y92F-31, bottom screw terminals	7.10	6.59	5.97
653-Y92F-31	Y92F-31	Panel mount adapter, ideal for side by side installation, use w/ P3G sockets	3.90	3.62	3.28
653-PFP-100N	PFP-100N	DIN rail, 1 m in length	6.36	5.79	5.13
653-PFP-M	PFP-M	DIN rail spacer	.69	.63	.56
653-Y92H-6	Y92H-6	Timer hold down clips, one pair. Supplied with H3G timer.	1.20	1.11	1.01


P2CF-08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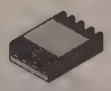
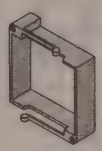

P3G-08
P3FA-11

PF083A-E

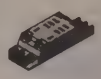
PF085A


Y92F-30
Y92F-31

PFP-100N

PFP-M

Omron Timers



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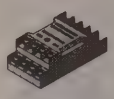
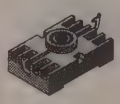


PYF14A-E

PY08
PY08-02

PY14
PY14-02



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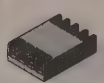
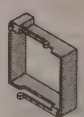
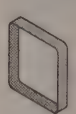


P3G-08



Y92F-30



Y92A-96A
Y92A-72C

PFP-100N

PFP-M

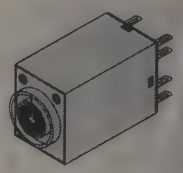
OMRON H3YN SERIES: MINIATURE SOLID-STATE TIMER

Specifications:
- Supply voltage: 100-120 VAC
- Control outputs: DPDT - 5A @ 250 VAC; 4PDT - 3A @ 250 VAC
- Mechanical service life: 10 million operation min.
- Electrical service life: DPDT - 500,000 operations; 4PDT - 200,000 operations
- Timing functions: ON-delay, interval, repeat cycle, ON-start/OFF start (DIP switch selectable)

Features:
- Ultra-slim package - 21.5mm max.
- Simplifies ordering and inventory by combining multiple functions and time ranges in one unit
- LED power-ON and time-UP indicators

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Time Range	Time-Limit Contact	Price Each 1	5	10
653-H3YN-2-AC1	H3YN-2 AC100-120	0.1 seconds to 10 minutes	DPDT	44.00	40.83	37.00
653-H3YN-4-AC1	H3YN-4 AC100-120	0.1 seconds to 10 minutes	4PDT	45.00	41.76	37.85
653-H3YN-21-AC1	H3YN-21 AC100-120	0.1 minutes to 10 hours	DPDT	44.00	40.83	37.00
Accessories		**Description**		1	25	50
653-PYF08A-E	PYF08A-E	Track mount/front connect socket for DPDT time (H3YN-2,H3YN-21)		5.15	4.58	4.12
653-PYF14A-E	PYF14A-E	Track mount/front connect socket for 4PDT time (H3YN-4)		7.49	6.66	5.90
653-PY08	PY08	Back connect, solder terminal socket for DPDT (H3YN-2,H3YN-21)		1.60	1.42	1.28
653-PY14	PY14	Back connect, solder terminal socket for 4PDT (H3YN-4)		1.77	1.59	1.40
653-PY08-02	PY08-02	Back connect, PC terminal socket for DPDT (H3YN-2,H3YN-21)		1.60	1.42	1.28
653-PY14-02	PY14-02	Back connect, PC terminal socket for 4PDT (H3YN-4)		1.77	1.59	1.40
653-Y92H-3	Y92H-3	Hold down clip for sockets PYF08A-E, PYF14A-E		1.20	1.11	1.01
653-Y92H-4	Y92H-4	Hold down clip for sockets PY08, PY08-02, PY14,PY14-02		1.20	1.11	1.01



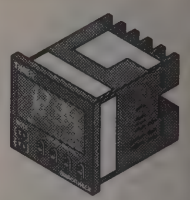
OMRON H5CX SERIES 1/16 DIN MULTIFUNCTION DIGITAL TIMER

Specifications:
- Supply voltage: 100-240VAC
- Control output: Time limit
- Time ranges: 0.001 seconds to 9999 hours
- NEMA4/IP66 front
- SPDT contact output rating: 5A @ 250VAC
- Adapter and waterproof packing provided with H5CX-A and H5CX-AD

Features:
- 11 field selectable timing modes
- 4 Digit Display
- Twin timer function
- Programmable display colo
- Key protect function

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Connection	Signal Input	Socket Mountable	Price Each 1	5	10
653-H5CX-L8-AC100	H5CX-L8-AC100-240	8-pin socket	No	Yes	118.00	109.50	99.24
653-H5CX-L8D-AC24	H5CX-L8D-AC24/DC12-24	8-pin socket	No	Yes	118.00	109.50	99.24
653-H5CX-A11-AC100	H5CX-A11-AC100-240	11-pin socket	PNP/NPN	Yes	137.00	127.14	115.22
653-H5CX-A11D-AC24	H5CX-A11D-AC24/DC12-24	11-pin socket	PNP/NPN	Yes	137.00	127.14	115.22
653-H5CX-A-AC100	H5CX-A-AC100-240	Screw terminals	PNP/NPN	No	139.00	128.99	116.90
653-H5CX-AD-AC24	H5CX-AD-AC24/DC12-24	Screw terminals	PNP/NPN	No	139.00	128.99	116.90
Accessories		**Description**			1	25	50
653-P2CF-08	P2CF-08	8-pin socket, track mounting/front connecting			7.10	6.59	5.97
653-P2CF-11	P2CF-11	11-pin socket, track mounting/front connecting			8.40	7.80	7.06
653-P3G-08	P3G-08	8-pin socket, back connecting for panel mount			7.71	7.15	6.48
653-Y92F-30	Y92F-30	Flush mounting adapter			6.40	5.94	5.38
653-PFP-100N	PFP-100N	DIN rail 1m x 7.3mm			6.36	5.79	5.13
653-PFP-M	PFP-M	DIN rail end plate			.69	.63	.56



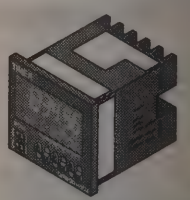
OMRON H5CX-B 1/16 DIN 2-STAGE DIGITAL TIMER

Specifications:
- Supply voltage: 12-24VDC
- Control output: Time limit
- Time ranges: 0.01 seconds to 99,999.9 hours
- NEMA4/IP66 front
- NPN open collector transistor output rating: 100mA @ 30VDC
- Adapter, waterproof packing, and unit label provided

Features:
- Cumulative or on-delay timing functions
- 6 Digit Display
- Programmable display color
- Key protect function

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Connection	Signal Input	Socket Mountable	Price Each 1	5	10
653-H5CX-BWSD	H5CX-BWSD	Screw terminals	PNP/NPN	No	165.00	153.12	138.77



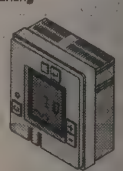
OMRON H5L SERIES: 1/4 DIN SIZE WEEKLY TIMER

Specifications:
- Control output: 2 independent SPST relays with manual override switches
- Terminal form: Screw terminals accessible from front and back
- Service life: 100,00 operations min.

Features:
- 24 hours x 7 days programming using just 5 switches
- 16 program steps and cycle operation
- Easy-to-read, large, 0.5 inch high LCD display
- 10-year battery backup
- Hardware for panel and surface mounting included: designed for track mounting

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Supply Voltage	Maximum Load	Price Each 1	5	10
653-H5L-A	H5L-A	100 to 240 VAC	10 A@ 250 VAC	193.00	179.10	162.31
Accessories		**Description**		1	25	50
653-Y92A-96A	Y92A-96A	Clear, hard plastic cover for H5L		8.40	7.80	7.06
653-PFP-100N	PFP-100N	DIN rail, 1 m in length		6.36	5.79	5.13
653-PFP-M	PFP-M	DIN rail spacer		.69	.63	.56



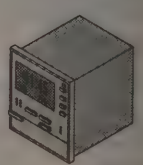
OMRON H5S SERIES: WEEKLY TIMER

Specifications:
- Control output: 2 SPST - NO time limit contacts with manual override switches
- Terminal form: Screw terminals
- Electrical service life: 50,000 operations min
- Cycle length: 1 minute to a full week
- Maximum load: 15A @ 250 VAC

Features:
- ON/OFF and cycle operations up to one week
- AM/PM display
- Over midnight settings possible
- Battery backup for memory protection
- Wide supply voltage range
- Field-adjustable ON/OFF, cycle and pulse output

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Connection	Supply Voltage	Price Each 1	5	10
653-H5S-B	H5S-B	Panel mounting	100-240 VAC	206.00	191.17	173.25
653-H5S-FB	H5S-FB	Surface or track mounting	100-240 VAC	206.00	191.17	173.25
Accessories		**Description**		1	25	50
653-Y92A-72C	Y92A-72C	Clear, hard plastic cover for H5S-B		3.90	3.62	3.28
653-Y92F-90	Y92F-90	Track mounting adapter for H5S-FB		3.90	3.62	3.28
653-PFP-100N	PFP-100N	DIN rail, 1 m in length		6.36	5.79	5.13
653-PFP-M	PFP-M	DIN rail spacer		.69	.63	.56



APPLIED MOTION Stepper Motors and Drives

Applied Motion Products

PPLIED MOTION HIGH-TORQUE STEP MOTORS-SIZE HT08

ecifications:
perating Temp: -20°C to 50°C
ad Wire gauge: 26 AWG
• Insulation Class: 130°C Class B (HT08-020)
• Insulation Class: 130°C Class E (HT08-021)
• Radial Play: .001 max @ 1.1 Lb.
• No. of Leads: 4
• Step Angle: 1.8

For quantities of 10 and up, call for quote.

MOUSER TOCK NO.	Applied Motion Part No.	Fig.	Motor Connection	Motor Length (In.)	Min. Holding Torque (oz.-In.)	Volts	Amps	Ohms	mH	Rotor Inertia (oz-in²/G-CM²)	Price Each 1	Price Each 5
4-HT08-020	HT08-020	A	Bi-polar	1.18	2.4	2.8	0.35	8.5	3.4	0.01/1.9	61.00	57.95
4-HT08-021	HT08-021	A	Bi-polar	1.83	4.44	5.6	0.35	16	7.2	0.022/4	75.00	70.78

PPLIED MOTION HIGH-TORQUE STEP MOTORS-SIZE HT11

ecifications:
perating Temp: -20°C to 50°C
ad Wire gauge: 26 AWG
• Insulation Class: 130°C Class B
• Step Angle: 1.8
• No. of Leads: 4
• Radial Play: .001 max @ 1.1 Lb.

For quantities of 10 and up, call for quote.

4-HT11-012	HT11-012	A	Parallel	1.32	7.0	1.4	1.0	1.4	1.4	.044/8	74.30	71.50
4-HT11-013	HT11-013	A	Parallel	1.87	15.0	2.0	1.0	2.0	2.6	.098/18	88.50	83.00

PPLIED MOTION HYBRID STEP MOTORS - SIZE 14

ecifications:
perating Temp: -20°C to 50°C
ad Wire gauge: 26 AWG
sulation Class: 130°C Class B
• Step Angle: 1.8
• No. of Leads: 4
• Radial Play: .0004 max @ 1.0 Lb.

For quantities of 10 and up, call for quote.

4-5014-842	5014-842	B	Parallel	1.57	26.0	4.8	1.0	4.3	5.5	.109/20	72.00	69.50

PPLIED MOTION HIGH-TORQUE STEP MOTORS - SIZE HT17

ecifications:
perating Temp: -20°C to 50°C
ad Wire gauge: 22 AWG
sulation Class: 130°C Class B
• Step Angle: 1.8
• No. of Leads: 8
• Radial Play: .001 max @ 1.1 Lb.
• Motor Connections: series, parallel, and unipolar (Series specifications listed below)

For quantities of 10 and up, call for quote.

4-HT17-068	HT17-068	C	Series	1.30	31.4	5.7	0.7	8.4	11.2	.190/35.0	51.00	48.50
4-HT17-071	HT17-071	C	Series	1.54	51.0	5.7	0.85	6.6	14.4	.29/54.0	54.00	50.70
4-HT17-075	HT17-075	C	Series	1.85	62.8	5.7	0.85	6.6	12.0	.37/68.0	64.00	60.70

PPLIED MOTION HIGH-TORQUE STEP MOTORS - SIZE HT23

ecifications:
perating Temp: -20°C to 50°C
ad Wire gauge: 22 AWG
sulation Class: 130°C Class B
• Step Angle: 1.8
• No. of Leads: 8
• Radial Play: .001 max @ 1.1 Lb.
• Motor Connections: series, parallel, and unipolar (Series specifications listed below)

For quantities of 10 and up, call for quote.

4-HT23-393	HT23-393	D	Series	1.54	76.6	7.4	0.71	10.4	21.6	0.66/120	78.00	74.00
4-HT23-396	HT23-396	D	Series	2.13	177.0	10.2	0.7	14.4	44.0	1.64/300	88.00	84.00
4-HT23-397	HT23-397	D	Series	2.13	177.0	5.1	1.4	3.6	10.0	1.64/300	88.00	84.00
4-HT23-399	HT23-399	E	Series	2.99	264.0	11.6	0.71	16.4	56.0	2.62/480	110.00	106.00
4-HT23-400	HT23-400	E	Series	2.99	264.0	4.2	2.12	2.0	6.4	2.62/480	110.00	106.00

PPLIED MOTION 1030 STEP MOTOR DRIVE

ecifications:
ll, Half & Eighth Stepping
W of usable power
0 Amps
• Drives 4, 6, or 8 lead size 11, 14, 17 & 23 step motors
• CE compliant
• MOSFET, dual H-bridge, inaudible PWM amplifier

For quantities of 10 and up, call for quote.

MOUSER TOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Construction Type	Price Each 1	Price Each 5
4-1030	1030	F	0 - 1.0	12-30 VDC	200-800	Open Frame	97.00	92.30

PPLIED MOTION 2035 STEP MOTOR DRIVE

ecifications:
ll or Half drive
0W of usable power
0 Amps
• Drives 4, 6, or 8 lead size 11, 14, 17 & 23 step motors
• CE compliant
• Screw terminal connectors
• Dual H-bridge, inaudible PWM amplifier

For quantities of 10 and up, call for quote.

MOUSER TOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Construction Type	Price Each 1	Price Each 5
4-2035	2035	G	0.125 - 2.0	12-35 VDC	200/400	Open Frame	135.00	128.45

PPLIED MOTION 3535 STEP MOTOR DRIVE

ecifications:
ll & Half Stepping
2W of usable power
5 Amps
• Drives 4, 6, or 8 lead size 11, 14, 17 & 23 step motors
• CE compliant
• MOSFET, dual H-bridge, inaudible PWM amplifier

For quantities of 10 and up, call for quote.

MOUSER TOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Construction Type	Price Each 1	Price Each 5
4-3535	3535	H	0.4 - 3.5	12-35 VDC	200/400	Open Frame	167.00	158.85

PPLIED MOTION 1240i PROGRAMMABLE STEP MOTOR DRIVE

1240i is a programmable step motor driver suited for a wide range of motion control applications.
cludes a sophisticated controller integrated with a 48 watt microstepping amplifier.
oftware and programming cable included
• Built-in Indexer

For quantities of 10 and up, call for quote.

MOUSER TOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Construction Type	Price Each 1	Price Each 5
4-1240	1240i	I	0.2 - 1.2	12-42 VDC	2,000-50,800	Open Frame	257.00	244.50

PPLIED MOTION 3540i PROGRAMMABLE STEP MOTOR DRIVE

3540i is a programmable step motor driver suited for a wide range of motion control applications.
cludes a sophisticated controller integrated with a 140 watt microstepping amplifier.
oftware and programming cable included
• Built-in Indexer

For quantities of 10 and up, call for quote.

MOUSER TOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Construction Type	Price Each 1	Price Each 5
4-3540	3540i	J	0.2 - 3.5	12-42 VDC	2,000-50,800	Open Frame	385.00	366.25

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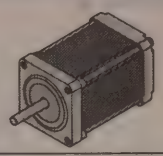

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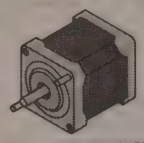

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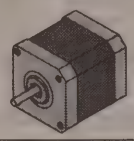

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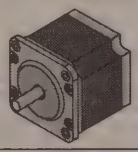

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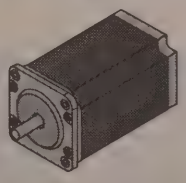

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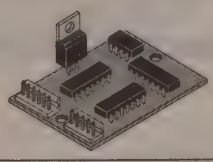

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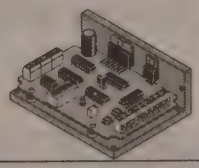

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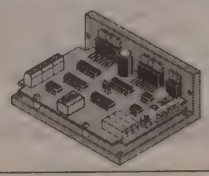

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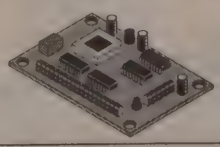

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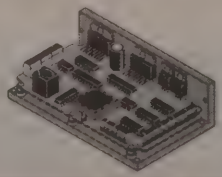
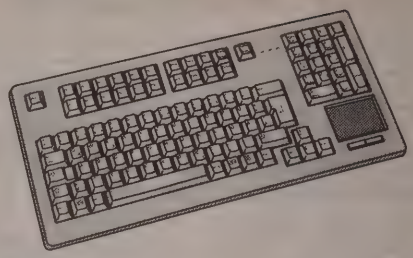


Applied Motion Motors

CHERRY Keyboards

CHERRY TOUCH BOARD SERIES KEYBOARDS

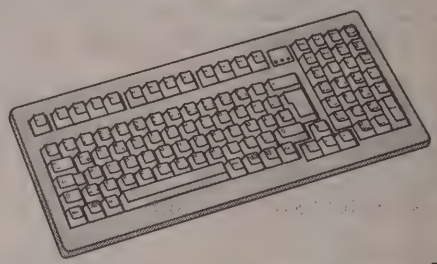


Features:
- Compact 19" PC Keyboard - space saving and ergonomic
- Integrated, high-quality touchpad with mouse keys
- Operating life of individual keys > 50 million operations
- International layouts available

For quantities of 50 and up, call for quote

MOUSER STOCK NO.	Cherry Part No.	Description	Connection	Price Each		
				1	10	25
540-G80-11900HRMUS	G80-11900HRMUS	Compact, 104 Keys, Black, Integrated Touch Pad w/colored Cherry-logo sticker	PS/2	198.00	178.50	157.50
540-G80-11900LPMUS	G80-11900LPMUS	Compact, 104 Keys, Beige, Integrated Touch Pad	PS/2	179.00	161.50	142.50
540-G80-11900LPMUS-0	G80-11900LPMUS-0	Compact, 104 Keys, Light Gray, Integrated Touch Pad	PS/2	179.00	161.50	142.50
540-G80-11900LUMEU-0	G80-11900LUMEU-0	Compact, 104 Keys, Light Gray, Integrated Touch Pad	USB	187.11	168.30	148.50
540-G80-11900LUMEU-2	G80-11900LUMEU-2	Compact, 104 Keys, Black, Integrated Touch Pad	USB	187.11	168.30	148.50

CHERRY CLASSIC LINE SERIES KEYBOARDS

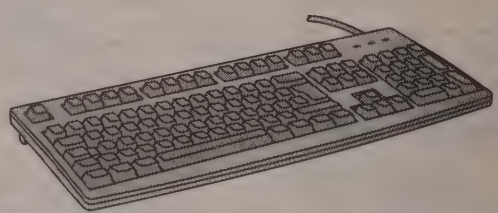


Features:
- Compact 19" PC Keyboard - space saving and ergonomic
- FTSC membrane contact system
- Operating life of individual keys > 50 million operations
- High-quality keyboard for professional users
- International layouts available

For quantities of 50 and up, call for quote

MOUSER STOCK NO.	Cherry Part No.	Description	Connection	Price Each		
				1	10	25
540-G81-1800LPMUS-0	G81-1800LPMUS-0	Compact, 104 Keys Light Gray	PS/2	75.47	68.00	60.00
540-G81-1800LPMUS-2	G81-1800LPMUS-2	Compact, 104 Keys, Black	PS/2	75.47	68.00	60.00
540-G81-1800LUMUS-0	G81-1800LUMUS-0	Compact, 104 Keys Light Gray	USB	75.47	68.00	60.00
540-G81-1800LUMUS-2	G81-1800LUMUS-2	Compact, 104 Keys Black	USB	75.47	68.00	60.00

CHERRY STANDARD SERIES KEYBOARDS

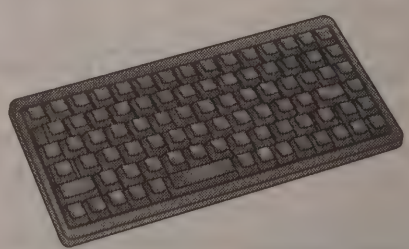


Features:
- Space-efficient compact keyboard
- Operating life of individual keys >20 million operations
- Keycap symbols are wear-resistant and easy to clean
- International layouts available

For quantities of 50 and up, call for quote

MOUSER STOCK NO.	Cherry Part No.	Description	Connection	Price Each		
				1	10	25
540-G83-6104LPNUS-0	G83-6104LPNUS-0	Full Size, 104 Keys, Light Gray	PS/2	28.00	25.50	22.50
540-G83-6104LRNUS-2	G83-6104LRNUS-2	Full Size, 104 Keys, Black w/lasered Cherry-logo	PS/2	33.02	29.75	26.25
540-G83-6104LUNUS-0	G83-6104LUNUS-0	Full Size, 104 Keys Light Gray Hubless	USB	33.02	29.75	26.25
540-G83-6104LUNUS-2	G83-6104LUNUS-2	Full Size, 104 Keys Black Hubless, no Cherry-logo	USB	34.91	31.45	27.75

CHERRY SLIM LINE SERIES COMPACT KEYBOARDS



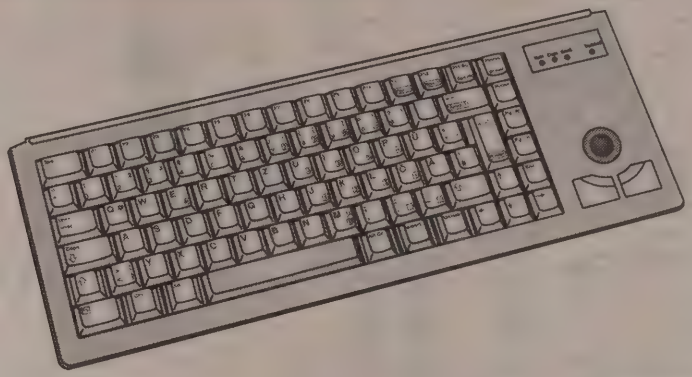
Features:
- Ultra-low-profile compact keyboard
- Exceptionally space-efficient, lightweight
- Individual keys have long service life: 20 million key operations
- International layouts available

For quantities of 50 and up, call for quote

MOUSER STOCK NO.	Cherry Part No.	Description	Connection	Price Each		
				1	10	25
540-G84-4100PTMUS	G84-4100PTMUS	Notebook Size, 86 Keys Black	USB	96.00	86.70	76.50
540-G84-4100PPAUS	G84-4100PPAUS	Notebook Size, 83 Keys Beige	PS/2	76.00	68.00	60.00
540-G84-4100PRAUS	G84-4100PRAUS	Notebook Size, 83 Keys Black	PS/2	87.00	78.20	69.00
540-G84-4100PCAUS-0	G84-4100PCAUS-0	Notebook Size, 83 Keys Light Gray	USB	84.91	76.50	67.50

SLIM LINE SERIES COMPACT KEYBOARDS WITH TRACKBALL

Features:
- Two functions combined in one device
- Integrated, high-quality 16 mm trackball
- Space-efficient, lightweight
- Individual keys have long service life: approx. 20 million key operations
- International layouts available



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Description	Connection	Price Each		
				1	10	25
540-G84-4400PPBUS-0	G84-4400PPBUS-0	Notebook Size, 83 Keys Gray Integrated Trackball	PS/2	187.00	168.30	148.50
540-G84-4400PRBUS	G84-4400PRBUS	Notebook Size, 83 Keys Black Integrated Trackball	PS/2	198.00	178.50	157.50
540-G84-4400PUBUS0	G84-4400PUBUS0	Notebook Size, 83 Keys Gray Integrated Trackball	USB	198.45	178.50	157.50
540-G84-4400PTBUS	G84-4400PTBUS	Notebook Size, 83 Keys Black Hubless Integrated Trackball	USB	198.00	178.50	157.50

PERIPHERAL DEVICES

System Requirements: Power wheel mouse optical M-Series
- IBM compatible PC
- USB or PS/2 connection
- CD-ROM drive

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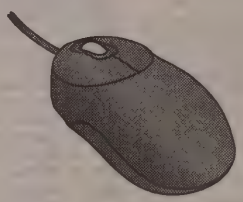

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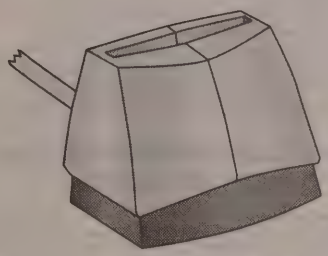

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Price Each		
				1	10	25
540-M-5000	M-5000	A	Power Wheel Mouse, Optical, 3 Keys, Scroll Wheel, 2 Keys Fully Programmable, PS/2 and USB Combo, Black	37.80	34.00	30.00
540-M-5003	M-5003	A	Power Wheel Mouse, Optical, 3 Keys, Scroll Wheel, 2 Keys Fully Programmable, PS/2 and USB Combo, Light Gray	32.13	28.90	25.50
540-ST-1044UB	ST-1044UB	B	Smart Card Stand Alone Reader, USB, X-Chip, Light Gray and Black Base	45.28	40.80	36.00

KEYSWITCHES

Switching Current:
ML and MX: 10 mA AC/DC max. 10 uA DC min.

Switching Voltage:
ML and MX: 12V AC/DC

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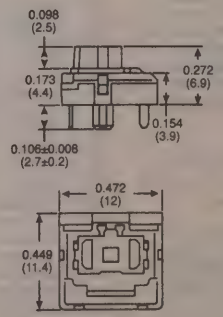

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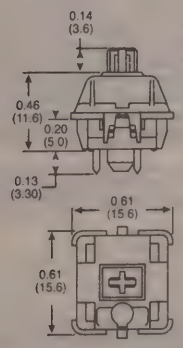
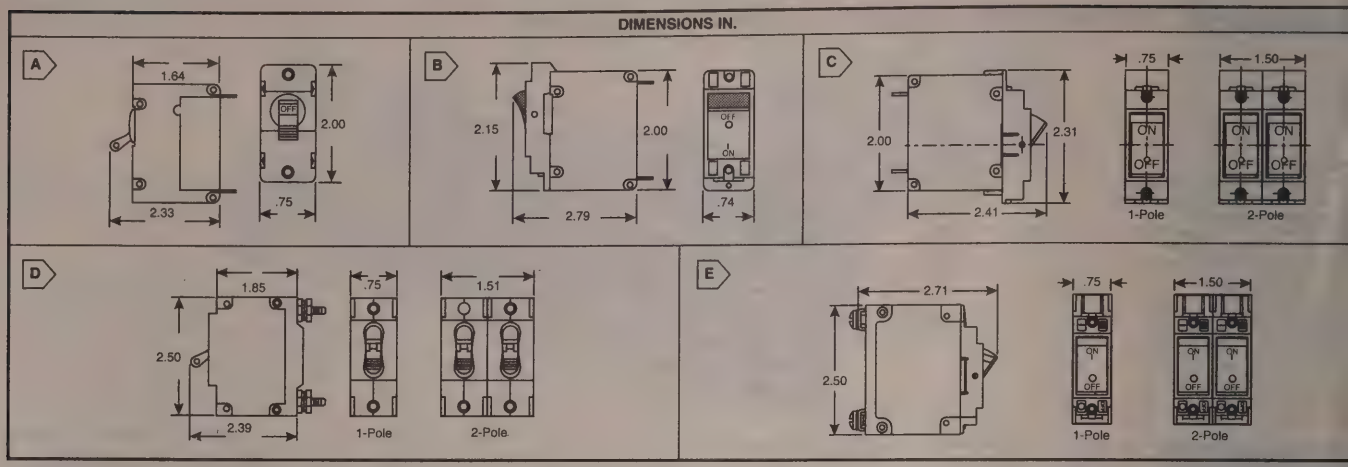


For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Actuator Travel (mm)	Price Each			
					1	10	50	100
540-ML1A-11JW	ML1A-11JW	A	Standard force, tactile, pcb mount, integrated jumper wire	3.0-0.5	1.05	.92	.84	.68
540-MX1A-C1NN	MX1A-C1NN	B	Standard force, soft tactile, face plate mount	4.0-0.4	1.08	.95	.86	.70
540-MX1A-E1NN	MX1A-E1NN	B	Standard force, click tactile, face plate mount	4.0-0.4	.79	.70	.63	.51
540-MX1A-C1NW	MX1A-C1NW	B	Standard force, soft tactile, pcb mount	4.0-0.4	.66	.57	.53	.43
540-MX1A-E1NW	MX1A-E1NW	B	Standard force, click tactile, pcb mount	4.0-0.4	.87	.77	.69	.56
540-MX1A-11NN	MX1A-11NN	B	Standard force, linear, face plate mount	4.0-0.4	.80	.70	.64	.52
540-MX1A-11NW	MX1A-11NW	B	Standard force, linear, pcb mount	4.0-0.4	.80	.70	.64	.52

CARLING TECHNOLOGIES Circuit Breakers

DIMENSIONS IN.



A SERIES: CIRCUIT BREAKERS WITH HANDLE ACTUATOR

- Type: Hydraulic/Magnetic
- Circuit: Series Trip (Current)
- Poles: One
- Frequency and Delay: DC, 50/60Hz Medium
- Actuator/Legend color: Black/White
- Terminal: 10-30 A rating - Screw 8-32 (bus type);
- 50 A rating - Screw 10-32 (bus type)
- Mounting: Threaded insert 6-32 x 0.195" deep, 2/pole

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-AA1B0346103B1C	AA1-B0-34-610-3B1-C	A	10 A	20.35	15.26	13.23	11.19
691-AA1B0346153B1C	AA1-B0-34-615-3B1-C	A	15 A	20.35	15.26	13.23	11.19
691-AA1B0346203B1C	AA1-B0-34-620-3B1-C	A	20 A	20.35	15.26	13.23	11.19
691-AA1B0346253B1C	AA1-B0-34-625-3B1-C	A	25 A	20.35	15.26	13.23	11.19
691-AA1B0346303B1C	AA1-B0-34-630-3B1-C	A	30 A	20.35	15.26	13.23	11.19
691-AA1B0346505B1C	AA1-B0-34-650-5B1-C	A	50 A	20.35	15.26	13.23	11.19

A SERIES: CIRCUIT BREAKERS WITH VISI-ROCKER® ACTUATOR

- Type: Hydraulic/Magnetic
- Dual-color rocker actuator indicates either ON mode for AC1 items or TRIPPED/OFF mode for AF1 items
- Indicator/Legend Color: Red
- Rocker color: Black
- Circuit: Series Trip (Current) • Poles: One
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Push-On 0.250 Tab (Q.C.)
- Mounting: Thread Insert 6-32 x 0.195" deep
- Approvals: D suffix - UL Rec.; CSA & VDE Certified
- C suffix: UL Recognized; CSA Certified

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-AC1B0346101131D	AC1-B0-34-610-131-D	B	10 A	23.37	17.53	15.19	12.85
691-AC1B0346151131D	AC1-B0-34-615-131-D	B	15 A	23.37	17.53	15.19	12.85
691-AC1B0346201131D	AC1-B0-34-620-131-D	B	20 A	23.37	17.53	15.19	12.85
691-AC1B0346301131D	AC1-B0-34-630-131-D	B	30 A	23.37	17.53	15.19	12.85
691-AC1B0344501G1C	AC1-B0-34-450-1G1-C	B	5 A	23.37	17.53	15.19	12.85
691-AC1B0346101G1C	AC1-B0-34-610-1G1-C	B	10 A	23.37	17.53	15.19	12.85
691-AC1B0346151G1C	AC1-B0-34-615-1G1-C	B	15 A	23.37	17.53	15.19	12.85
691-AC1B0346201G1C	AC1-B0-34-620-1G1-C	B	20 A	23.37	17.53	15.19	12.85
691-AC1B0346251G1C	AC1-B0-34-625-1G1-C	B	25 A	23.37	17.53	15.19	12.85
691-AC1B0346301G1C	AC1-B0-34-630-1G1-C	B	30 A	23.37	17.53	15.19	12.85
691-AF1B0346201G1C	AF1-B0-34-620-1G1-C	B	20 A	23.37	17.53	15.19	12.85
691-AF1B0346251G1C	AF1-B0-34-625-1G1-C	B	25 A	23.37	17.53	15.19	12.85
691-AF1B0346301G1C	AF1-B0-34-630-1G1-C	B	30 A	23.37	17.53	15.19	12.85

A SERIES: CIRCUIT BREAKERS WITH "FLAT ROCKER" ACTUATOR

- Type: Hydraulic/Magnetic
- "Flat Rocker" Visi-Rocker indicates OFF
- Indicator/Legend Color: Red
- Rocker color: Black
- Poles: A11 - 1 pole A12 - 2 poles
- Circuit: Series Trip (Current)
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Push-On 0.250 Tab (Q.C.)
- Mounting: Thread Insert 6-32 x 0.195" deep

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-A11B034450131E	A11-B0-34-450-131-E	C	5A	23.37	17.53	15.19	12.85
691-A11B034610131E	A11-B0-34-610-131-E	C	10A	23.37	17.53	15.19	12.85
691-A11B034615131E	A11-B0-34-615-131-E	C	15A	23.37	17.53	15.19	12.85
691-A11B034620131E	A11-B0-34-620-131-E	C	20A	23.37	17.53	15.19	12.85
691-A11B034625131E	A11-B0-34-625-131-E	C	25A	23.37	17.53	15.19	12.85
691-A11B034630131E	A11-B0-34-630-131-E	C	30A	23.37	17.53	15.19	12.85
691-A12B034450131E	A12-B0-34-450-131-E	C	5A	55.13	39.84	36.52	32.09
691-A12B034610131E	A12-B0-34-610-131-E	C	10A	55.13	39.84	36.52	32.09
691-A12B034615131E	A12-B0-34-615-131-E	C	15A	55.13	39.84	36.52	32.09
691-A12B034620131E	A12-B0-34-620-131-E	C	20A	55.13	39.84	36.52	32.09
691-A12B034625131E	A12-B0-34-625-131-E	C	25A	55.13	39.84	36.52	32.09
691-A12B034630131E	A12-B0-34-630-131-E	C	30A	55.13	39.84	36.52	32.09

C SERIES: CIRCUIT BREAKERS WITH HANDLE ACTUATOR

- Type: Hydraulic/Magnetic
- Max. interrupting capacity: 10,000 Amps
- Circuit: Series Trip (Current)
- Poles: CA1 - 1 pole; CA2 - 2 poles
- Actuator/Legend color: Black/White
- Frequency and Delay: DC, 50/60Hz Medium
- Actuator: Handle, 1 per pole
- Terminal: 10-32 THD Stud, .625 long
- Voltage: <300
- Approvals: All - UL489 listed; UL Recognized; CSA & VDE Certified

Designed for applications requiring higher amperage and voltage handling capabilities

For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-CA1B034450121D	CA1-B0-34-450-121-D	D	5 A	23.57	17.68	15.32	12.96
691-CA1B034610121D	CA1-B0-34-610-121-D	D	10 A	23.57	17.68	15.32	12.96
691-CA1B034615121D	CA1-B0-34-615-121-D	D	15 A	23.57	17.68	15.32	12.96
691-CA1B034620121D	CA1-B0-34-620-121-D	D	20 A	23.57	17.68	15.32	12.96
691-CA1B034630121D	CA1-B0-34-630-121-D	D	30 A	23.57	17.68	15.32	12.96
691-CA1B034640121D	CA1-B0-34-640-121-D	D	40 A	23.57	17.68	15.32	12.96
691-CA1B034650121D	CA1-B0-34-650-121-D	D	50 A	23.57	17.68	15.32	12.96
691-CA2B034450121D	CA2-B0-34-450-121-D	D	5 A	64.42	48.32	41.87	35.43
691-CA2B034610121D	CA2-B0-34-610-121-D	D	10 A	64.42	48.32	41.87	35.43
691-CA2B034615121D	CA2-B0-34-615-121-D	D	15 A	64.42	48.32	41.87	35.43
691-CA2B034620121D	CA2-B0-34-620-121-D	D	20 A	64.42	48.32	41.87	35.43
691-CA2B034630121D	CA2-B0-34-630-121-D	D	30 A	64.42	48.32	41.87	35.43
691-CA2B034640121D	CA2-B0-34-640-121-D	D	40 A	64.42	48.32	41.87	35.43
691-CA2B034650121D	CA2-B0-34-650-121-D	D	50 A	64.42	48.32	41.87	35.43

C SERIES: CIRCUIT BREAKERS WITH "FLAT ROCKER" ACTUATOR

- Type: Hydraulic/Magnetic
- "Flat Rocker" Visi-Rocker indicates OFF
- Indicator/Legend Color: Red
- Rocker color: Black
- Poles: C11 - 1 pole C12 - 2 poles
- Terminal: 10-32 THD Stud, .625 long
- Voltage: <300
- Circuit: Series Trip (Current)
- Frequency and Delay: DC, 50/60Hz Medium

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-C11B034450131E	C11-B0-34-450-131-E	E	5A	30.87	22.23	20.37	17.90
691-C11B034610131E	C11-B0-34-610-131-E	E	10A	30.87	22.23	20.37	17.90
691-C11B034615131E	C11-B0-34-615-131-E	E	15A	30.87	22.23	20.37	17.90
691-C11B034620131E	C11-B0-34-620-131-E	E	20A	30.87	22.23	20.37	17.90
691-C11B034625131E	C11-B0-34-625-131-E	E	25A	30.87	22.23	20.37	17.90
691-C11B034630131E	C11-B0-34-630-131-E	E	30A	30.87	22.23	20.37	17.90
691-C11B034635131E	C11-B0-34-635-131-E	E	35A	30.87	22.23	20.37	17.90
691-C11B034640131E	C11-B0-34-640-131-E	E	40A	30.87	22.23	20.37	17.90
691-C11B034645131E	C11-B0-34-645-131-E	E	45A	30.87	22.23	20.37	17.90
691-C11B034650131E	C11-B0-34-650-131-E	E	50A	30.87	22.23	20.37	17.90
691-C12B034450131E	C12-B0-34-450-131-E	E	5A	71.92	51.78	47.47	41.71
691-C12B034610131E	C12-B0-34-610-131-E	E	10A	71.92	51.78	47.47	41.71
691-C12B034615131E	C12-B0-34-615-131-E	E	15A	71.92	51.78	47.47	41.71
691-C12B034620131E	C12-B0-34-620-131-E	E	20A	71.92	51.78	47.47	41.71
691-C12B034625131E	C12-B0-34-625-131-E	E	25A	71.92	51.78	47.47	41.71
691-C12B034630131E	C12-B0-34-630-131-E	E	30A	71.92	51.78	47.47	41.71
691-C12B034635131E	C12-B0-34-635-131-E	E	35A	71.92	51.78	47.47	41.71
691-C12B034640131E	C12-B0-34-640-131-E	E	40A	71.92	51.78	47.47	41.71
691-C12B034645131E	C12-B0-34-645-131-E	E	45A	71.92	51.78	47.47	41.71
691-C12B034650131E	C12-B0-34-650-131-E	E	50A	71.92	51.78	47.47	41.71

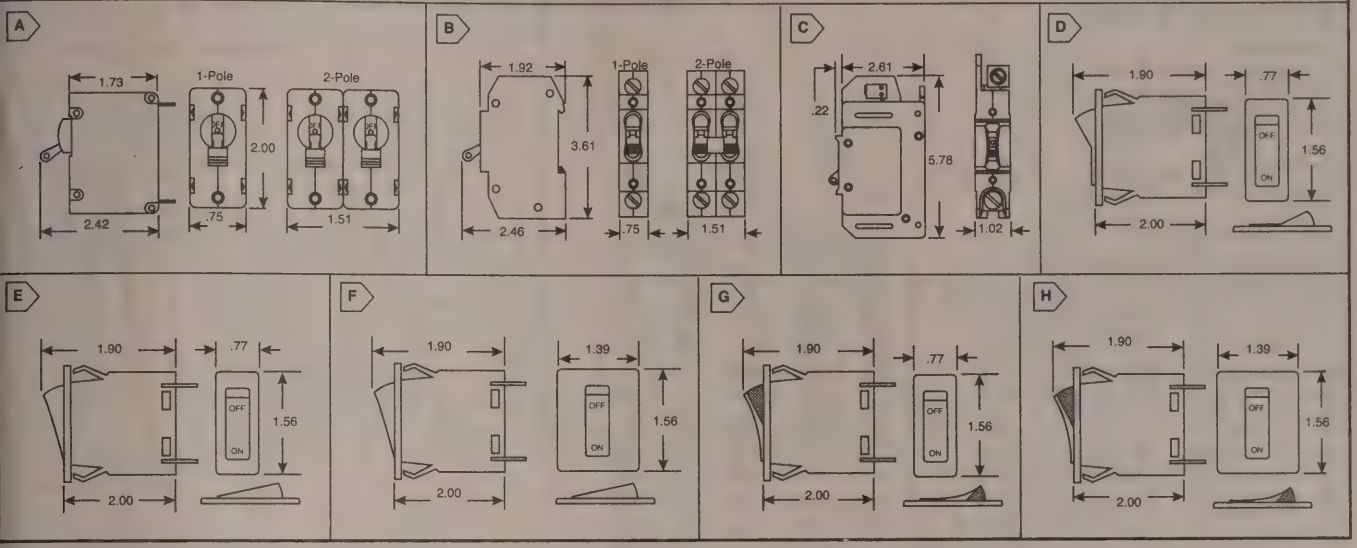
C-Series with Push-In Stud Terminals Removal Tool

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Description	Price Each
691-8C1-X0-08-639	8C1-X0-08-639	Removal Tool, C Series	11.00

Carling Technologies
Innovative Designs. Powerful Solutions.

DIMENSIONS: IN



B SERIES: CIRCUIT BREAKERS WITH HANDLE ACTUATOR

- Type: Hydraulic/Magnetic
- Actuator: Handle, one per pole
- Poles: BA1 - 1 pole; BA2 - 2 poles
- Circuit: Series Trip (Current)
- Actuator/Legend color: Black/White
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Push-On 0.250 Tab (Q.C.)
- Approvals: D suffix - UL Recognized; CSA & VDE Certified
- C suffix: UL Recognized; CSA Certified

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each 1	10	25	50
691-BA1B034425121D	BA1-B0-34-425-121-D	A	2.5 A	18.84	14.13	12.25	10.36
691-BA1B034450121D	BA1-B0-34-450-121-D	A	5 A	18.84	14.13	12.25	10.36
691-BA1B034610121D	BA1-B0-34-610-121-D	A	10 A	18.84	14.13	12.25	10.36
691-BA1B034615121D	BA1-B0-34-615-121-D	A	15 A	18.84	14.13	12.25	10.36
691-BA1B034620121D	BA1-B0-34-620-121-D	A	20 A	18.84	14.13	12.25	10.36
691-BA1B034630121C	BA1-B0-34-630-121-C	A	30 A	18.84	14.13	12.25	10.36
691-BA2B034425121D	BA2-B0-34-425-121-D	A	2.5 A	48.13	36.10	31.28	26.47
691-BA2B034450121D	BA2-B0-34-450-121-D	A	5 A	48.13	36.10	31.28	26.47
691-BA2B034610121D	BA2-B0-34-610-121-D	A	10 A	48.13	36.10	31.28	26.47
691-BA2B034615121D	BA2-B0-34-615-121-D	A	15 A	48.13	36.10	31.28	26.47
691-BA2B034620121D	BA2-B0-34-620-121-D	A	20 A	48.13	36.10	31.28	26.47
691-BA2B034630121C	BA2-B0-34-630-121-C	A	30 A	48.13	36.10	31.28	26.47

D SERIES: DIN RAIL MOUNT CIRCUIT BREAKERS

- Type: Hydraulic/Magnetic
- Circuit: Series Trip (Current)
- Poles: DA1 - 1 pole; DA2 - 2 poles
- Actuator/Legend color: Black/White
- Actuator: Handle, one per pole
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Captured #10 Screw & Pressure Plate for Direct Wire or Fork Terminal Connection.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each 1	10	25	50
691-DA1B034450121C	DA1-B0-34-450-121-C	B	5 A	27.60	20.70	15.18	13.25
691-DA1B034610121C	DA1-B0-34-610-121-C	B	10 A	27.60	20.70	15.18	13.25
691-DA1B034615121C	DA1-B0-34-615-121-C	B	15 A	27.60	20.70	15.18	13.25
691-DA1B034620121C	DA1-B0-34-620-121-C	B	20 A	27.60	20.70	15.18	13.25
691-DA2B034450121C	DA2-B0-34-450-121-C	B	5 A	72.40	54.30	39.82	34.75
691-DA2B034610121C	DA2-B0-34-610-121-C	B	10 A	72.40	54.30	39.82	34.75
691-DA2B034615121C	DA2-B0-34-615-121-C	B	15 A	72.40	54.30	39.82	34.75
691-DA2B034620121C	DA2-B0-34-620-121-C	B	20 A	72.40	54.30	39.82	34.75

E SERIES: BRANCH CIRCUIT BREAKERS

- Type: Hydraulic/Magnetic
- Actuator: Handle
- Circuit: Series Trip
- Poles: One
- Actuator/Legend color: Black/White
- Frequency and Delay: 50/60Hz Medium
- Terminal: 10-32 studs
- Ideally suited for higher voltage and amperage applications
- Mounting Inserts: 6-32
- Max Application Rating: Voltage: 120/240 VAC; Current: 100 Amps
- Approvals: UL 489 LISTED and CSA Certified

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each 1	10	25	50
691-EA1B02445012ACC	EA1-B0-24-450-12A-CC	C	5 A	27.96	20.97	15.38	13.42
691-EA1B02461012ACC	EA1-B0-24-610-12A-CC	C	10 A	27.96	20.97	15.38	13.42
691-EA1B02461512ACC	EA1-B0-24-615-12A-CC	C	15 A	27.96	20.97	15.38	13.42
691-EA1B02462012ACC	EA1-B0-24-620-12A-CC	C	20 A	27.96	20.97	15.38	13.42
691-EA1B02465012ACC	EA1-B0-24-650-12A-CC	C	50 A	27.96	20.97	15.38	13.42

M SERIES: MINIATURE CIRCUIT BREAKERS

- Type: Hydraulic/Magnetic
- Circuit: Series Trip (Current Coil)
- Actuator/Legend color: Black/White
- Snap-in front panel mounting
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Push-On 0.250 Tab (Q.C.)
- Bezel Color: Black

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Pole	Coil Rating	Price Each 1	10	25	50
691-MA1B344501A26BC	MA1-B-34-450-1-A26-B-C	D	1	5 A	17.26	14.38	11.10	9.69
691-MA1B346101A26BC	MA1-B-34-610-1-A26-B-C	D	1	10 A	17.26	14.38	11.10	9.69
691-MA1B346151A26BC	MA1-B-34-615-1-A26-B-C	D	1	15 A	17.26	14.38	11.10	9.69
691-MA1B346201A26BC	MA1-B-34-620-1-A26-B-C	D	1	20 A	17.26	14.38	11.10	9.69
691-MA1B346251A26BC	MA1-B-34-625-1-A26-B-C	D	1	25 A	17.26	14.38	11.10	9.69
691-MA1B344501A12BC	MA1-B-34-450-1-A12-B-C	D	1	5 A	17.26	14.38	11.10	9.69
691-MA1B344751A12BC	MA1-B-34-475-1-A12-B-C	D	1	7.5 A	17.26	14.38	11.10	9.69
691-MA1B346101A12BC	MA1-B-34-610-1-A12-B-C	D	1	10 A	17.26	14.38	11.10	9.69
691-MA1B346151A12BC	MA1-B-34-615-1-A12-B-C	D	1	15 A	17.26	14.38	11.10	9.69
691-MA1B346201A12BC	MA1-B-34-620-1-A12-B-C	D	1	20 A	17.26	14.38	11.10	9.69
691-MA1B346251A12BC	MA1-B-34-625-1-A12-B-C	D	1	25 A	17.26	14.38	11.10	9.69
691-MB1B344501A26BC	MB1-B-34-450-1-A26-B-C	E	1	5 A	17.26	14.38	11.10	9.69
691-MB1B346101A26BC	MB1-B-34-610-1-A26-B-C	E	1	10 A	17.26	14.38	11.10	9.69
691-MB1B346151A26BC	MB1-B-34-615-1-A26-B-C	E	1	15 A	17.26	14.38	11.10	9.69
691-MB1B346201A26BC	MB1-B-34-620-1-A26-B-C	E	1	20 A	17.26	14.38	11.10	9.69
691-MB1B346251A26BC	MB1-B-34-625-1-A26-B-C	E	1	25 A	17.26	14.38	11.10	9.69
691-MB1B344501A27BC	MB1-B-34-450-1-A27-B-C	E	1	5 A	17.26	14.38	11.10	9.69
691-MB1B346101A27BC	MB1-B-34-610-1-A27-B-C	E	1	10 A	17.26	14.38	11.10	9.69
691-MB1B346151A27BC	MB1-B-34-615-1-A27-B-C	E	1	15 A	17.26	14.38	11.10	9.69
691-MB1B346201A27BC	MB1-B-34-620-1-A27-B-C	E	1	20 A	17.26	14.38	11.10	9.69
691-MB1B346251A27BC	MB1-B-34-625-1-A27-B-C	E	1	25 A	17.26	14.38	11.10	9.69
691-MB2B344201A24BC	MB2-B-34-420-1-A24-B-C	F	2	2 A	29.37	23.96	21.33	18.54
691-MB2B344701A24BC	MB2-B-34-470-1-A24-B-C	F	2	7 A	29.37	23.96	21.33	18.54
691-MB2B346101A24BC	MB2-B-34-610-1-A24-B-C	F	2	10 A	29.37	23.96	21.33	18.54
691-MB2B346151A24BC	MB2-B-34-615-1-A24-B-C	F	2	15 A	29.37	23.96	21.33	18.54
691-MB2B346101A27BC	MB2-B-34-610-1-A27-B-C	F	2	10 A	29.37	23.96	21.33	18.54
691-MB2B346151A27BC	MB2-B-34-615-1-A27-B-C	F	2	15 A	29.37	23.96	21.33	18.54
691-MB2B346201A27BC	MB2-B-34-620-1-A27-B-C	F	2	20 A	29.37	23.96	21.33	18.54
691-MB2B346251A27BC	MB2-B-34-625-1-A27-B-C	F	2	25 A	29.37	23.96	21.33	18.54

M SERIES: MINIATURE CIRCUIT BREAKERS WITH VISI-ROCKER® AND ILLUMINATED ROCKER

- Type: Hydraulic/Magnetic
- Dual-color rocker actuator indicates ON mode.
- Snap-in front panel mounting
- Circuit: Series Trip (Current Coil)
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Push-On 0.250 Tab (Q.C.)
- (Visi-Rocker) Indicator/Legend Color: Red
- (Visi-Rocker) color: Black
- (Visi-Rocker) Bezel Color: Black
- (Illuminated Rocker) color: Transparent red
- (Illuminated Rocker) illumination: Red LED (w/o resistor)
- (Illuminated Rocker) guard color: Gray

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Pole	Coil Rating	Price Each 1	10	25	50
Visi-Rocker								
691-MD1B346151A36BC	MD1-B-34-615-1-A36-B-C	G	1	15 A	21.08	16.86	14.76	13.07
691-MD2B346101A36BC	MD2-B-34-610-1-A36-B-C	H	2	10 A	40.28	32.22	28.20	24.97
691-MD2B346151A36BC	MD2-B-34-615-1-A36-B-C	H	2	15 A	40.28	32.22	28.20	24.97
Illuminated Rocker								
691-MF1B346101DB7BC	MF1-B-34-610-1-DB7-B-C	D	1	10 A	20.87	18.26	15.65	14.09
691-MF1B346151DB7BC	MF1-B-34-615-1-DB7-B-C	D	1	15 A	20.87	18.26	15.65	14.09
691-MF1B346201DB7BC	MF1-B-34-620-1-DB7-B-C	D	1	20 A	20.87	18.26	15.65	14.09

CMB SERIES: THERMAL CIRCUIT PROTECTORS WITH PLASTIC BUSHING

Specifications:

- Dielectric Strength: 1500 VAC/ 1 minute
- Interrupting Capacity: 1000 amps
- Resettable Overload Capacity: 10 x rated current
- Insulation Resistance: 100M ohms
- Operating Temperature: -10°C to 60°C

Applications:

- Appliances
- Transportation
- Marine
- Telecommunications
- Power Strips
- A-V Equipment
- Medical Equipment
- Power Supplies

c UL us TUV

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	25	50	100
691-CMB03311C3NBA	CMB-033-11-C-3-N-B-A	A	3 A	3.05	2.71	2.26	2.14
691-CMB04311C3NBA	CMB-043-11-C-3-N-B-A	A	4 A	3.05	2.71	2.26	2.14
691-CMB05311C3NBA	CMB-053-11-C-3-N-B-A	A	5 A	3.05	2.71	2.26	2.14
691-CMB06311C3NBA	CMB-063-11-C-3-N-B-A	A	6 A	2.20	1.96	1.63	1.54
691-CMB07311C3NBA	CMB-073-11-C-3-N-B-A	A	7 A	2.20	1.96	1.63	1.54
691-CMB10311C3NBA	CMB-103-11-C-3-N-B-A	A	10 A	1.75	1.56	1.30	1.23
691-CMB12311C3NBA	CMB-123-11-C-3-N-B-A	A	12 A	1.75	1.56	1.30	1.23
691-CMB13311C3NBA	CMB-133-11-C-3-N-B-A	A	13 A	1.85	1.65	1.37	1.30
691-CMB14311C3NBA	CMB-143-11-C-3-N-B-A	A	14 A	1.85	1.65	1.37	1.30
691-CMB15311C3NBA	CMB-153-11-C-3-N-B-A	A	15 A	1.55	1.38	1.15	1.09
691-CMB16311C3NBA	CMB-163-11-C-3-N-B-A	A	16 A	1.65	1.47	1.22	1.16
691-CMB20311C3NBA	CMB-203-11-C-3-N-B-A	A	20 A	2.05	1.82	1.52	1.44

CLB SERIES: THERMAL CIRCUIT PROTECTORS WITH METAL BUSHING

Specifications:

- Dielectric Strength: 1500 VAC/ 1 minute
- Interrupting Capacity: 1000 amps
- Resettable Overload Capacity: 10 x rated current
- Insulation Resistance: 100M ohms
- Operating Temperature: -10°C to 60°C

Applications:

- Appliances
- Transportation
- Marine
- Telecommunications
- Power Strips
- A-V Equipment
- Medical Equipment
- Power Supplies

c UL us TUV

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	25	50	100
691-CLB03311B3ABA	CLB-033-11-B-3-A-B-A	B	3 A	3.15	2.80	2.33	2.21
691-CLB04311B3ABA	CLB-043-11-B-3-A-B-A	B	4 A	3.15	2.80	2.33	2.21
691-CLB05311B3ABA	CLB-053-11-B-3-A-B-A	B	5 A	3.15	2.80	2.33	2.21
691-CLB06311B3ABA	CLB-063-11-B-3-A-B-A	B	6 A	2.40	2.14	1.78	1.68
691-CLB07311B3ABA	CLB-073-11-B-3-A-B-A	B	7 A	2.40	2.14	1.78	1.68
691-CLB10311B3ABA	CLB-103-11-B-3-A-B-A	B	10 A	1.95	1.74	1.44	1.37
691-CLB12311B3ABA	CLB-123-11-B-3-A-B-A	B	12 A	1.95	1.74	1.44	1.37
691-CLB13311B3ABA	CLB-133-11-B-3-A-B-A	B	13 A	1.95	1.74	1.44	1.37
691-CLB15311B3ABA	CLB-153-11-B-3-A-B-A	B	15 A	1.75	1.56	1.30	1.23
691-CLB20311B3ABA	CLB-203-11-B-3-A-B-A	B	20 A	2.25	2.00	1.67	1.58
691-CLB25311B3ABA	CLB-253-11-B-3-A-B-A	B	25 A	2.45	2.18	1.81	1.72
691-CLB30311B3ABA	CLB-303-11-B-3-A-B-A	B	30 A	2.45	2.18	1.81	1.72
691-CLB35311B3ABA	CLB-353-11-B-3-A-B-A	B	35 A	2.45	2.18	1.81	1.72
691-CLB40311B3ABA	CLB-403-11-B-3-A-B-A	B	40 A	3.05	2.71	2.26	2.14

CTB SERIES: PANEL MOUNT ROCKER THERMAL CIRCUIT PROTECTORS

Specifications:

- Dielectric Strength: 1500 VAC/ 1 minute
- Interrupting Capacity: 1000 amps
- Resettable Overload Capacity: 10 x rated current
- Insulation Resistance: 100M ohms
- Operating Temperature: -10°C to 60°C

Applications:

- Appliances
- Transportation
- Marine
- Power Strips
- A-V Equipment
- Medical Equipment
- Power Supplies
- Exercise Equipment

c UL us TUV

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	25	50	100
691-CTB-B-B-03	CTB-B-B-03	C	3 A	1.75	1.56	1.30	1.23
691-CTB-B-B-05	CTB-B-B-05	C	5 A	1.75	1.56	1.30	1.23
691-CTB-B-B-06	CTB-B-B-06	C	6 A	1.75	1.56	1.30	1.23
691-CTB-B-B-07	CTB-B-B-07	C	7 A	1.75	1.56	1.30	1.23
691-CTB-B-B-08	CTB-B-B-08	C	8 A	1.75	1.56	1.30	1.23
691-CTB-B-B-10	CTB-B-B-10	C	10 A	1.75	1.56	1.30	1.23
691-CTB-B-B-12	CTB-B-B-12	C	12 A	1.75	1.56	1.30	1.23
691-CTB-B-B-15	CTB-B-B-15	C	15 A	1.75	1.56	1.30	1.23

DIMENSIONS: IN

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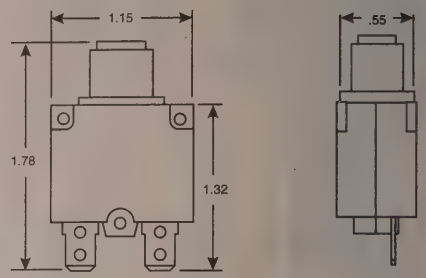

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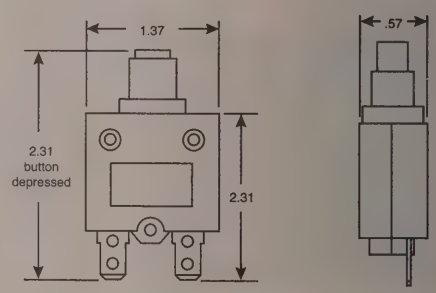

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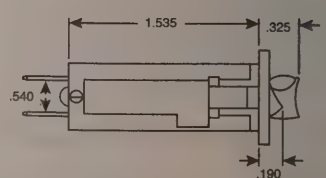

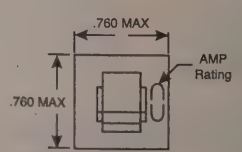

PHOENIX CONTACT DIN Rail Circuit Breakers

PHOENIX CONTACT INSPIRING INNOVATIONS

THERMAL MINIATURE CIRCUIT BREAKERS, TCP

TCP Pushbutton Circuit Breakers

Features:
- Can be switched back on after tripping
- Can be used for switching purposes
- Plugs into DIN Rail terminal blocks (listed below)
- Values can be swapped quickly for testing
- No searching for replacement fuses
- Pluggable Circuit Breakers

Specifications:
- Rated Surge Voltage: 2.5 kV
- Max Amperage: 0.25-4A Types is 6x Rated Current; 6-10A Types is 8x Rated Current
- Contamination Class: 2
- Color: Black

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Nominal Current	Nominal Voltage	Operating Temperature	Price Each		
						1	10	50
651-0712123	A	TCP 0.25	0.25A	250VAC/ 65VDC	-20° to 60°C	9.65	8.68	7.66
651-0712152	A	TCP 0.5	.5A	250VAC/ 65VDC	-20° to 60°C	9.65	8.68	7.66
651-0712194	A	TCP 1	1A	250VAC/ 65VDC	-20° to 60°C	9.65	8.68	7.66
651-0712217	A	TCP 2	2A	250VAC/ 65VDC	-20° to 60°C	9.65	8.68	7.66
651-0712233	A	TCP 3	3A	250VAC/ 65VDC	-20° to 60°C	9.65	8.68	7.66
651-0712259	A	TCP 4	4A	250VAC/ 65VDC	-20° to 60°C	9.65	8.68	7.66
651-0712275	A	TCP 6	6A	250VAC/ 65VDC	-20° to 60°C	9.65	8.68	7.66
651-0712291	A	TCP 8	8A	250VAC/ 65VDC	-20° to 60°C	9.65	8.68	7.66
651-0712314	A	TCP 10	10A	250VAC/ 65VDC	-20° to 60°C	9.65	8.68	7.66
651-0803595	-	ZBFM 5/WH:UNPRINTED	White Unprinted Labels (10 strips of 12)			9.05	8.37	7.40

TCP Terminal Blocks

Features:
- Mounts to standard 35mm DIN Rails
- Use with TCP push button circuit breakers
- Can be used with Automotive Type Fuses
- Bridgeable

Specifications:
- Color: Black
- Max Current: 30A
- Max Voltage: 300V

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Terminal Width	Connection Type	AWG	Price Each		
						1	10	50
651-3118203	B	UK 6-FSI/C	8.2mm	Screw-Clamp	26-8	5.83	5.36	4.73
651-3036372	C	ST 4-FSI/C	8.2mm	Spring-Cage	24-10	3.98	3.66	3.23
651-1052002	-	ZB 8: UNPRINTED	White Unprinted Labels (1 strip of 10)			.90	.84	.67

THERMO MAGNETIC CIRCUIT BREAKERS

TMC1 Thermo Magnetic Circuit Breaker - Switch Type

Features:
- Direct DIN Rail Mount (Universal Mounting Foot)
- 1-Position main current path with 1 N/O status contact
- Screw Clamp Connection

Specifications:
- Housing Width: 12.5mm
- AWG: 24-10
- Typical Life: 10,000 Operations
- Color: Black

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Nominal Current	Max Voltage	Operating Temperature	Price Each		
						1	10	50
651-5531370	D	TMC 1 M1 100 0.5A	.5A	250VAC/ 65VDC	-10° to 60°C	50.16	46.10	40.67
651-5531723	D	TMC 1 M1 100 1.0A	1A	250VAC/ 65VDC	-10° to 60°C	50.16	46.10	40.67
651-5531820	D	TMC 1 M1 100 2.0A	2A	250VAC/ 65VDC	-10° to 60°C	50.16	46.10	40.67
651-5530931	D	TMC 1 M1 100 5.0A	5A	250VAC/ 65VDC	-10° to 60°C	50.16	46.10	40.67
651-5531037	D	TMC 1 M1 100 8.0A	8A	250VAC/ 65VDC	-10° to 60°C	50.16	46.10	40.67
651-5531862	D	TMC 1 M1 100 10.0A	10A	250VAC/ 65VDC	-10° to 60°C	50.16	46.10	40.67
651-5510757	D	TMC 1 M1 100 15A	15A	250VAC/ 65VDC	-10° to 60°C	50.16	46.10	40.67

TMC42 Thermo Magnetic Circuit Breaker - Pushbutton Type

Features:
- Direct DIN Rail Mount (Universal Mounting Foot)
- Screw Clamp Connection

Specifications:
- Housing Width: 12.5mm
- AWG: 24-10
- Typical Life: 5000 Operations
- Color: Black

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Nominal Current	Max Voltage	Operating Temperature	Price Each		
						1	10	50
651-5650106	E	TMC 42-01-0.5A	.5A	250VAC/ 80VDC	-10° to 60°C	33.44	30.72	27.11
651-5650108	E	TMC 42-01-1.0A	1A	250VAC/ 80VDC	-10° to 60°C	33.44	30.72	27.11
651-5600314	E	TMC 42-01-2.0A	2A	250VAC/ 80VDC	-10° to 60°C	33.44	30.72	27.11
651-5531082	E	TMC 42-01-5.0A	5A	250VAC/ 80VDC	-10° to 60°C	33.44	30.72	27.11
651-5650120	E	TMC 42-01-8.0A	8A	250VAC/ 80VDC	-10° to 60°C	33.44	30.72	27.11
651-5650121	E	TMC 42-01-10A	10A	250VAC/ 80VDC	-10° to 60°C	33.44	30.72	27.11
651-5600310	E	TMC 42-01-15A	15A	250VAC/ 80VDC	-10° to 60°C	33.44	30.72	27.11

TMC91 Thermo Magnetic Circuit Breaker - Switch Type

Features:
- Direct DIN Rail Mount (Universal Mounting Foot)
- S-Type CBE according to IEC 934
- VDE, EN, UL and CSA Approvals

Specifications:
- Housing Width: 18mm
- AWG: 2 (Line Side)/ 3 (Load Side)
- Rupture Capacity: 10 kA
- Typical Life: 6000 Operations
- Color: White

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Nominal Current	Max Voltage (UL)	Operating Temperature	Price Each		
						1	10	50
651-5650220	F	TMC 91H-1-10A	10A	347VAC	-25° to 55°C	29.26	26.89	23.73
651-5650219	F	TMC 91H-1-20A	20A	347VAC	-25° to 55°C	29.26	26.89	23.73
651-5650309	F	TMC 91H-1-32A	32A	347VAC	-25° to 55°C	29.26	26.89	23.73
651-5650312	F	TMC 91H-1-63A	63A	277 VAC	-25° to 55°C	37.62	34.57	30.50

DIMENSIONS (mm)

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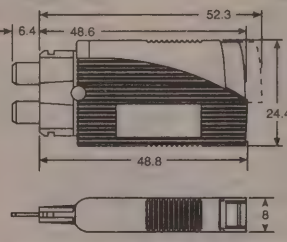

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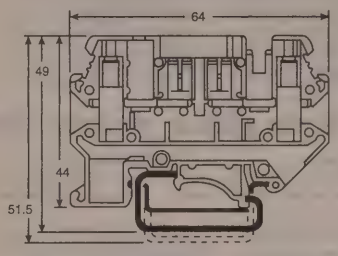

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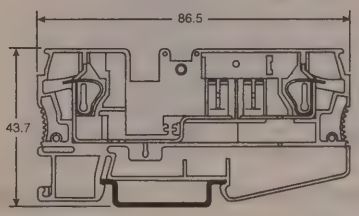

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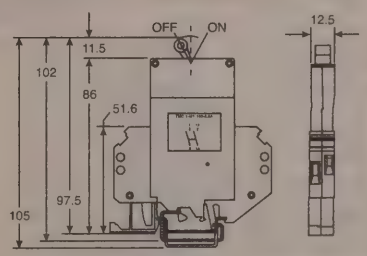

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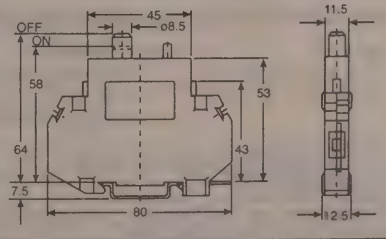

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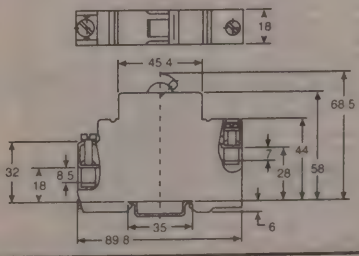

Phoenix Contact

Circuit Breakers

POTTER and BRUMFIELD Circuit Breakers

P&B W23 SERIES: THERMAL CIRCUIT BREAKERS W/ PUSH/PULL ACTUATOR

Features:
- SPDT contact configuration
- May be used as ON/OFF switch
- Visible trip indicator

Specifications:
- Max. operating voltage: 50VDC or 250VAC
- Resettable overload capacity: ten times rated current
- Dielectric strength: > 1500 volts RMS
- Termination: two #8-32 screw terminals

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Potter & Brumfield Part No.	Fig.	Current Rating	Maximum Resistance	Price Each			
					1	25	50	100
655-W23-X1A1G-1	W23-X1A1G-1	A	1 A	610 mΩ	25.40	23.29	21.87	18.34
655-W23-X1A1G-2	W23-X1A1G-2	A	2 A	190 mΩ	25.40	23.29	21.87	18.34
655-W23-X1A1G-3	W23-X1A1G-3	A	3 A	40 mΩ	25.40	23.29	21.87	18.34
655-W23-X1A1G-5	W23-X1A1G-5	A	5 A	30 mΩ	16.56	15.18	14.72	11.96
655-W23-X1A1G-7.50	W23-X1A1G-7.50	A	7.5 A	20 mΩ	16.56	15.18	14.72	11.96
655-W23-X1A1G-10	W23-X1A1G-10	A	10 A	10 mΩ	16.56	15.18	14.72	11.96
655-W23-X1A1G-15	W23-X1A1G-15	A	15 A	6 mΩ	16.56	15.18	14.72	11.96
655-W23-X1A1G-20	W23-X1A1G-20	A	20 A	4 mΩ	16.56	15.18	14.72	11.96
655-W23-X1A1G-25	W23-X1A1G-25	A	25 A	4 mΩ	16.56	15.18	14.72	11.96
655-W23-X1A1G-30	W23-X1A1G-30	A	30 A	3 mΩ	16.56	15.18	14.72	11.96
655-W23-X1A1G-35	W23-X1A1G-35	A	35 A	3 mΩ	16.56	15.18	14.72	11.96
655-W23-X1A1G-40	W23-X1A1G-40	A	40 A	2 mΩ	16.56	15.18	14.72	11.96
655-W23-X1A1G-50	W23-X1A1G-50	A	50 A	2 mΩ	16.56	15.18	14.72	11.96

P&B W31 SERIES: THERMAL CIRCUIT BREAKERS W/ PUSH/PULL ACTUATOR

Features:
- SPDT contact configuration
- May be used as ON/OFF switch

Specifications:
- Max. operating voltage: 50VDC or 250VAC
- Resettable overload capacity: ten times rated current
- Dielectric strength: > 1500 volts RMS
- Termination: two #8-32 screw terminals

For quantities of 500 and up, call for quote.

655-W31-X2M1G-1	W31-X2M1G-1	B	1 A	610 mΩ	29.79	27.30	25.65	21.52
655-W31-X2M1G-2	W31-X2M1G-2	B	2 A	190 mΩ	29.79	27.30	25.65	21.52
655-W31-X2M1G-3	W31-X2M1G-3	B	3 A	40 mΩ	29.79	27.30	25.65	21.52
655-W31-X2M1G-5	W31-X2M1G-5	B	5 A	30 mΩ	20.59	18.88	17.73	14.88
655-W31-X2M1G-7.50	W31-X2M1G-7.50	B	7.5 A	20 mΩ	20.59	18.88	17.73	14.88
655-W31-X2M1G-10	W31-X2M1G-10	B	10 A	10 mΩ	20.59	18.88	17.73	14.88
655-W31-X2M1G-15	W31-X2M1G-15	B	15 A	6 mΩ	20.59	18.88	17.73	14.88
655-W31-X2M1G-20	W31-X2M1G-20	B	20 A	4 mΩ	20.59	18.88	17.73	14.88
655-W31-X2M1G-25	W31-X2M1G-25	B	25 A	4 mΩ	20.59	18.88	17.73	14.88
655-W31-X2M1G-30	W31-X2M1G-30	B	30 A	3 mΩ	20.59	18.88	17.73	14.88
655-W31-X2M1G-35	W31-X2M1G-35	B	35 A	3 mΩ	20.59	18.88	17.73	14.88
655-W31-X2M1G-40	W31-X2M1G-40	B	40 A	2 mΩ	20.59	18.88	17.73	14.88
655-W31-X2M1G-50	W31-X2M1G-50	B	50 A	2 mΩ	20.59	18.88	17.73	14.88

P&B W28 SERIES: PUSH TO RESET CIRCUIT BREAKERS

Features:
- Replaces slow-blow glass cartridge fuse
- Snap-in mounting
- Button extends for visual trip indication

Specifications:
- Dielectric strength: over 1500 volts RMS
- Max. operating voltage: 32VDC; 250VAC
- Termination: .250" quick connects. Soldering not recommended
- Mounting: snaps into panel from front

For quantities of 500 and up, call for quote.

655-W28-XQ1A-0.25	W28-XQ1A-0.25	C	0.25 A	14 Ω	4.14	3.83	3.52	2.72
655-W28-XQ1A-0.50	W28-XQ1A-0.50	C	0.5 A	3.55 Ω	4.14	3.83	3.52	2.72
655-W28-XQ1A-1	W28-XQ1A-1	C	1 A	890 mΩ	4.10	3.71	3.32	2.73
655-W28-XQ1A-2	W28-XQ1A-2	C	2 A	170 mΩ	4.10	3.71	3.32	2.73
655-W28-XQ1A-3	W28-XQ1A-3	C	3 A	69 mΩ	2.32	2.10	1.96	1.49
655-W28-XQ1A-4	W28-XQ1A-4	C	4 A	43 mΩ	2.32	2.10	1.96	1.49
655-W28-XQ1A-5	W28-XQ1A-5	C	5 A	30 mΩ	2.32	2.10	1.96	1.49
655-W28-XQ1A-6	W28-XQ1A-6	C	6 A	26 mΩ	2.34	2.12	1.98	1.51
655-W28-XQ1A-7	W28-XQ1A-7	C	7 A	17 mΩ	2.32	2.10	1.96	1.49
655-W28-XQ1A-8	W28-XQ1A-8	C	8 A	16 mΩ	2.32	2.10	1.96	1.49
655-W28-XQ1A-10	W28-XQ1A-10	C	10 A	11 mΩ	2.23	2.18	1.98	1.53
655-W28-XQ1A-12	W28-XQ1A-12	C	12 A	9 mΩ	2.34	2.12	1.98	1.51
655-W28-XQ1A-15	W28-XQ1A-15	C	15 A	7 mΩ	2.32	2.10	1.96	1.49
655-W28-XQ1A-20	W28-XQ1A-20	C	20 A	6 mΩ	2.32	2.10	1.96	1.49

P&B W54/W57 SERIES: PUSH-TO-RESET THERMAL CIRCUIT BREAKERS

Features:
- Cannot be manually tripped
- Button extends for visual trip indication

Specifications:
- Max. operating voltage: 250VAC
- Dielectric strength: 1500 VAC (60 seconds)
- Termination: .250" QC, straight
- Resettable overload capacity: Ten times rated current
- Button: White with red rate marking (vertical)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Potter & Brumfield Part No.	Fig.	Current Rating	Maximum Resistance	Price Each			
					1	25	50	100
9.8mmx12.6mm long metal bushing w/ metal knurled nut and hex nut assembled on bushing								
655-W54-XB1A4A10-5	W54-XB1A4A10-5	D	5 A	50 mΩ	2.12	1.93	1.68	1.46
655-W54-XB1A4A10-10	W54-XB1A4A10-10	D	10 A	25 mΩ	2.12	1.93	1.68	1.46
655-W54-XB1A4A10-15	W54-XB1A4A10-15	D	15 A	17 mΩ	2.12	1.93	1.68	1.46
655-W54-XB1A4A10-20	W54-XB1A4A10-20	D	20 A	12 mΩ	2.12	1.93	1.68	1.46
655-W54-XB1A4A10-25	W54-XB1A4A10-25	D	25 A	10 mΩ	2.56	2.20	1.95	1.59
655-W54-XB1A4A10-30	W54-XB1A4A10-30	D	30 A	8 mΩ	2.56	2.20	1.95	1.59
10.8mmx12.6mm long metal bushing w/ metal knurled nut and hex nut assembled on bushing								
655-W57-XB7A4A10-5	W57-XB7A4A10-5	E	5 A	50 mΩ	1.46	1.32	1.16	.98
655-W57-XB7A4A10-10	W57-XB7A4A10-10	E	10 A	25 mΩ	1.46	1.32	1.16	.98
655-W57-XB7A4A10-15	W57-XB7A4A10-15	E	15 A	17 mΩ	1.46	1.32	1.16	.98
655-W57-XB7A4A10-20	W57-XB7A4A10-20	E	20 A	12 mΩ	2.06	1.85	1.65	1.34
9.8mmx9.6mm long plastic bushing w/ plastic knurled nut and hex nut assembled on bushing								
655-W57-XB1A5A10-5	W57-XB1A5A10-5	E	5 A	50 mΩ	1.96	1.76	1.57	1.38
655-W57-XB1A5A10-10	W57-XB1A5A10-10	E	10 A	25 mΩ	1.96	1.76	1.57	1.38
655-W57-XB1A5A10-15	W57-XB1A5A10-15	E	15 A	17 mΩ	1.96	1.76	1.57	1.38
655-W57-XB1A5A10-20	W57-XB1A5A10-20	E	20 A	12 mΩ	1.96	1.76	1.57	1.38

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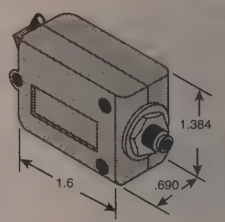

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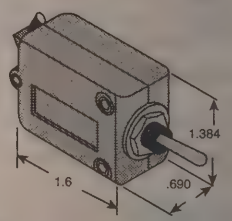

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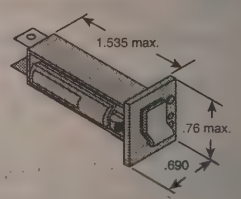

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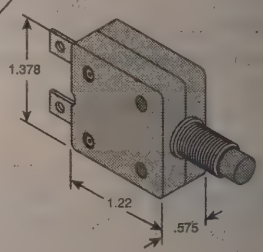

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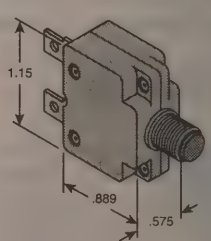

P&B Circuit Breakers

P&B W58 SERIES: PUSH-TO-RESET THERMAL CIRCUIT BREAKERS

Features:
- Cannot be manually tripped
- Button extends for visual trip indication

Specifications:
- Max. operating voltage: 50VDC or 250VAC
- Resettable overload capacity: ten times rated current
- Dielectric strength: > 1500 volts RMS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Potter & Brumfield Part No.	Fig.	Current Rating	Maximum Resistance	Price Each 1	25	50	100
With .250" QC Terminals								
655-W58-XB1A4A-1	W58-XB1A4A-1	A	1 A	1.35 Ω	5.20	4.68	4.16	3.82
655-W58-XB1A4A-2	W58-XB1A4A-2	A	2 A	320 mΩ	5.20	4.68	4.16	3.82
655-W58-XB1A4A-3	W58-XB1A4A-3	A	3 A	180 mΩ	5.20	4.68	4.16	3.82
655-W58-XB1A4A-4	W58-XB1A4A-4	A	4 A	100 mΩ	5.20	4.68	4.16	3.82
655-W58-XB1A4A-5	W58-XB1A4A-5	A	5 A	26 mΩ	3.79	3.42	3.02	2.51
655-W58-XB1A4A-6	W58-XB1A4A-6	A	6 A	26 mΩ	3.72	3.53	3.14	2.55
655-W58-XB1A4A-7	W58-XB1A4A-7	A	7 A	20 mΩ	3.72	3.53	3.14	2.55
655-W58-XB1A4A-8	W58-XB1A4A-8	A	8 A	20 mΩ	3.72	3.53	3.14	2.55
655-W58-XB1A4A-10	W58-XB1A4A-10	A	10 A	14 mΩ	3.72	3.53	3.14	2.55
655-W58-XB1A4A-12	W58-XB1A4A-12	A	12 A	10 mΩ	3.72	3.53	3.14	2.55
655-W58-XB1A4A-15	W58-XB1A4A-15	A	15 A	10 mΩ	3.79	3.42	3.02	2.51
655-W58-XB1A4A-20	W58-XB1A4A-20	A	20 A	5 mΩ	3.79	3.42	3.02	2.51
655-W58-XB1A4A-25	W58-XB1A4A-25	A	25 A	6 mΩ	3.72	3.53	3.14	2.55
655-W58-XB1A4A-30	W58-XB1A4A-30	A	30 A	4 mΩ	3.72	3.53	3.14	2.55
With 6-32 Screw Terminals								
655-W58-XC4C12A-1	W58-XC4C12A-1	A	1 A	1.35 Ω	5.20	4.68	4.16	3.82
655-W58-XC4C12A-2	W58-XC4C12A-2	A	2 A	320 mΩ	5.20	4.68	4.16	3.82
655-W58-XC4C12A-3	W58-XC4C12A-3	A	3 A	180 mΩ	5.20	4.68	4.16	3.82
655-W58-XC4C12A-5	W58-XC4C12A-5	A	5 A	100 mΩ	4.20	3.78	3.43	2.87
655-W58-XC4C12A-7	W58-XC4C12A-7	A	7 A	26 mΩ	4.20	3.78	3.43	2.87
655-W58-XC4C12A-10	W58-XC4C12A-10	A	10 A	20 mΩ	4.20	3.78	3.43	2.87
655-W58-XC4C12A-15	W58-XC4C12A-15	A	15 A	20 mΩ	4.20	3.78	3.43	2.87
655-W58-XC4C12A-20	W58-XC4C12A-20	A	20 A	14 mΩ	4.20	3.78	3.43	2.87
655-W58-XC4C12A-25	W58-XC4C12A-25	A	25 A	10 mΩ	4.20	3.78	3.43	2.87
655-W58-XC4C12A-30	W58-XC4C12A-30	A	30 A	10 mΩ	4.20	3.78	3.43	2.87

P&B W51 SERIES: THERMAL CIRCUIT BREAKERS W/ ROCKER ACTUATOR

Features:
- Provides circuit protection and power switching in single unit.
- Compact, trip-free rocker-actuated design
- Snaps into same cutout as many common power switches

Specifications:
- Max. operating voltage: 50VDC; 125 or 250VAC
- Resettable overload capacity: Ten times rated current
- Dielectric strength: 1500 VAC (60 seconds)
- Reset time: 60 seconds
- Termination: .250" quick connects.
- Mounting: snaps into panel from front

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Potter & Brumfield Part No.	Fig.	Current Rating	Maximum Resistance	Price Each 1	25	50	100
125VAC, Illuminated, Black Base, Red Rocker								
655-W51-A121B1-5	W51-A121B1-5	B	5 A	50 mΩ	2.54	2.29	2.13	1.86
655-W51-A121B1-10	W51-A121B1-10	B	10 A	25 mΩ	2.54	2.29	2.13	1.86
655-W51-A121B1-15	W51-A121B1-15	B	15 A	17 mΩ	2.54	2.29	2.13	1.86
655-W51-A121B1-20	W51-A121B1-20	B	20 A	12.5 mΩ	2.54	2.29	2.13	1.86
250VAC, Illuminated, Black Base, Red Rocker								
655-W51-A122B1-5	W51-A122B1-5	B	5 A	50 mΩ	2.54	2.29	2.13	1.86
655-W51-A122B1-10	W51-A122B1-10	B	10 A	25 mΩ	2.54	2.29	2.13	1.86
655-W51-A122B1-15	W51-A122B1-15	B	15 A	17 mΩ	2.54	2.29	2.13	1.86
655-W51-A122B1-20	W51-A122B1-20	B	20 A	12.5 mΩ	2.54	2.29	2.13	1.86
250VAC, Non-Illuminated, Black Base, Black Rocker								
655-W51-A152A1-5	W51-A152A1-5	B	5 A	50 mΩ	2.54	2.40	2.06	1.91
655-W51-A152A1-10	W51-A152A1-10	B	10 A	25 mΩ	2.54	2.40	2.06	1.91
655-W51-A152A1-15	W51-A152A1-15	B	15 A	17 mΩ	2.54	2.40	2.06	1.91
655-W51-A152A1-20	W51-A152A1-20	B	20 A	12.5 mΩ	2.54	2.40	2.06	1.91

P&B W6/W9 SERIES: MAGNETIC HYDRAULIC CIRCUIT BREAKERS

Features:
- Designed for international market
- Trip-free operation
- W6-White toggle actuator (one per pole)
- W9-Black toggle actuator (one per pole)

Specifications:
- All have standard time delay curve (W67-X2Q10-5 has instantaneous time delay curve)
- Circuit function: series trip
- Dielectric strength: 1500 VAC; 1100 VDC
- Insulation resistance: 100 MΩ @ 500 VDC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Potter & Brumfield Part No.	Fig.	Current Rating	Maximum Resistance	No.of Poles	Price Each 1	25	50	100
655-W67-X2Q10-5	W67-X2Q10-5	C	5 A	40 mΩ	1	17.52	15.77	14.02	11.83
655-W67-X2Q52-10	W67-X2Q52-10	C	10 A	13 mΩ	1	18.20	16.68	15.67	13.14
655-W67-X2Q12-15	W67-X2Q12-15	C	15 A	10 mΩ	1	17.52	15.77	14.02	11.83
655-W68-X2Q12-10	W68-X2Q12-10	C	10 A	13 mΩ	2	42.21	38.69	36.35	30.49
655-W68-X2Q12-15	W68-X2Q12-15	C	15 A	10 mΩ	2	42.21	38.69	36.35	30.49
655-W68-X2Q12-20	W68-X2Q12-20	C	20 A	4 mΩ	2	42.21	38.69	36.35	30.49
655-W69-X2Q12-10	W69-X2Q12-10	C	10 A	13 mΩ	3	57.37	52.59	49.40	41.43
655-W91-X112-10	W91-X112-10	D	10 A	13 mΩ	1	18.20	16.68	15.67	13.14
655-W91-X112-20	W91-X112-20	D	20 A	4 mΩ	1	18.20	16.68	15.67	13.14
655-W92-X112-1	W92-X112-1	D	1 A	1.2 Ω	2	42.21	38.69	36.35	30.49
655-W92-X112-15	W92-X112-15	D	15 A	10 mΩ	2	42.21	38.69	36.35	30.49
655-W92-X112-20	W92-X112-20	D	20 A	4 mΩ	2	42.21	38.69	36.35	30.49
655-W92-X112-30	W92-X112-30	D	30 A	2.7 mΩ	2	42.21	38.69	36.35	30.49
655-W92-X112-50	W92-X112-50	D	50 A	1.5 mΩ	2	42.21	38.69	36.35	30.49
655-W93-X112-50	W93-X112-50	D	50 A	1.5 mΩ	3	77.76	71.28	66.96	56.16

DIMENSIONS (In.)

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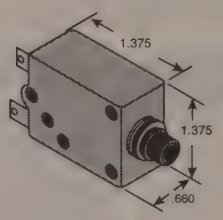

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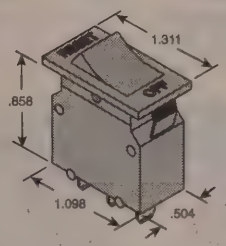

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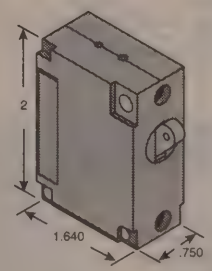

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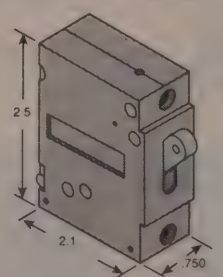


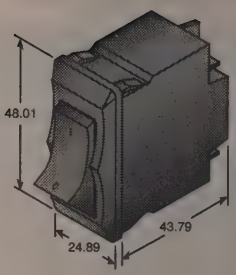
tyco Electronics — P&B W33 SERIES: SWITCHABLE THERMAL CIRCUIT BREAKERS

Specifications:
- Termination: .250" QC/solder terminals
- Marking: International I/O
- Mounting" Snaps into panel from front
- Models with amber rockers are illuminated with 120VAC neon lamp

Features:
- Combine on/off switch and circuit protection in one unit.
- Trip-free operation.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Potter & Brumfield Part No.	Current Rating	Rocker Color	Circuit Function	Price Each 1	25	50	100
655-W33-S1N1Q-5	W33-S1N1Q-5	5 A	Black	Pole 1 - switch only Pole 2 -series trip overload sensing	14.16	13.02	12.26	9.90
655-W33-S1N1Q-15	W33-S1N1Q-15	15 A	Black	Pole 1 - switch only Pole 2 -series trip overload sensing	14.16	13.02	12.26	9.90
655-W33-S1N1Q-20	W33-S1N1Q-20	20 A	Black	Pole 1 - switch only Pole 2 -series trip overload sensing	14.16	13.02	12.26	9.90
655-W33-S4B1Q-10	W33-S4B1Q-10	10 A	Amber	Pole 1 - switch only Pole 2 -series trip overload sensing	17.17	15.79	14.86	12.00
655-W33-S4B1Q-15	W33-S4B1Q-15	15 A	Amber	Pole 1 - switch only Pole 2 -series trip overload sensing	17.17	15.79	14.86	12.00
655-W33-T2N1Q-15	W33-T2N1Q-15	15 A	White	Poles 1 & 2 - series trip overload sensing	19.89	18.28	17.20	13.98
655-W33-T2N1Q-20	W33-T2N1Q-20	20 A	White	Poles 1 & 2 - series trip overload sensing	19.89	18.28	17.20	13.98
655-W33-T4B1Q-5	W33-T4B1Q-5	5 A	Amber	Poles 1 & 2 - series trip overload sensing	22.45	20.64	19.44	15.70
655-W33-T4B1Q-10	W33-T4B1Q-10	10 A	Amber	Poles 1 & 2 - series trip overload sensing	22.45	20.64	19.44	15.70
655-W33-T4B1Q-15	W33-T4B1Q-15	15 A	Amber	Poles 1 & 2 - series trip overload sensing	22.45	20.64	19.44	15.70



DIMENSIONS: mm

SCHURTER ELECTRONIC COMPONENTS — T9 SERIES: THERMAL CIRCUIT BREAKERS FOR EQUIPMENT

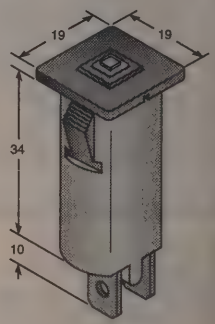
Specifications:
- Mounting Style: Snap-In
- Actuation Type: Reset
- Rated Voltage: 240V AC; 48V DC

Features:
- Power supplies
- Lighting
- Household appliances
- Sports and hobby equipment
- Charging units

LEAD-FREE

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Current Rating	Termination	Price Each 1	25	50	100
693-T9-611P-4	TP-611P-4	4 A	.250 " QC	1.67	1.49	1.34	1.26
693-T9-611P-5	T9-611P-5	5 A	.250 " QC	1.67	1.49	1.34	1.26
693-T9-611P-6	T9-611P-6	6 A	.250 " QC	1.67	1.49	1.34	1.26
693-T9-611P-8	T9-611P-8	8 A	.250 " QC	1.67	1.49	1.34	1.26
693-T9-611P-10	T9-611P-10	10 A	.250 " QC	1.67	1.49	1.34	1.26
693-T9-611P-12	T9-611P-12	12 A	.250 " QC	1.67	1.49	1.34	1.26
693-T9-611P-14	T9-611P-14	14 A	.250 " QC	1.67	1.49	1.34	1.26
693-T9-611P-16	T9-611P-16	16 A	.250 " QC	1.67	1.49	1.34	1.26



DIMENSIONS: mm

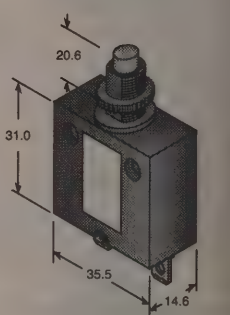
SCHURTER ELECTRONIC COMPONENTS — TS-701 SERIES: THERMAL CIRCUIT BREAKERS FOR EQUIPMENT

Specifications:
- Mounting Style: Threaded neck type 3/8" x 28T
- Actuation Type: Reset
- Rated Voltage: 125/250VAC; 50VDC

Features:
- Can handle overload current up to 6 times rated currents without any back-up assistance.
- Designed for automatic interruption and manual resetting.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Current Rating	Termination	Accessories	Price Each 1	10	25	50
693-TS-701-HT-5	TS-701-HT-5	5 A	.250 " QC	-----	3.45	3.07	2.76	2.61
693-TS-701-HT-5H	TS-701-HT-5H	5 A	.250 " QC	With metal hexagonal nut	3.45	3.07	2.76	2.61
693-TS-701HT-10	TS-701-HT-10	10 A	.250 " QC	-----	2.07	1.84	1.66	1.47
693-TS-701-HT-10H	TS-701-HT-10H	10 A	.250 " QC	With metal hexagonal nut	2.07	1.84	1.66	1.56
693-TS-701-HT-10-K	TS-701-HT-10-K	10 A	.250 " QC	With metal knurled nut	2.07	1.84	1.66	1.56
693-TS-701-HT-12	TS-701-HT-12	12 A	.250 " QC	-----	2.07	1.84	1.66	1.56
693-TS-701-HT-15	TS-701-HT-15	15 A	.250 " QC	-----	1.87	1.67	1.50	1.42
693-TS-701-HT-20	TS-701-HT-20	20 A	.250 " QC	-----	2.43	2.16	1.95	1.84
693-TS-701-HT-25	TS-701-HT-25	25 A	.250 " QC	-----	2.63	2.34	2.10	1.99
693-TS-701-HT-25P	TS-701-HT-25P	25 A	.250 " QC	With plastic knurled nut	2.63	2.34	2.10	1.99
693-TS-701-HT-35	TS-701-HT-35	35 A	.250 " QC	-----	2.63	2.34	2.10	1.99



DIMENSIONS: mm

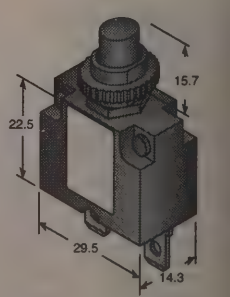
SCHURTER ELECTRONIC COMPONENTS — TS-709 SERIES: THERMAL CIRCUIT BREAKERS FOR EQUIPMENT

Specifications:
- Mounting Style: Threaded neck type 7/16" x 28T (Plastic)
- Actuation Type: Reset
- Rated Voltage: 125/250VAC; 32VDC

Features:
- Can handle overload current up to 6 times rated currents without any back-up assistance.
- Designed for automatic interruption and manual resetting.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Current Rating	Termination	Accessories	Price Each 1	10	25	50
693-TS-709-5	TS-709-5	5 A	.250 " QC	-----	2.56	2.28	2.05	1.94
693-TS-709-5H	TS-709-5H	5 A	.250 " QC	With metal hexagonal nut	2.56	2.28	2.05	1.94
693-TS-709-10	TS-709-10	10 A	.250 " QC	-----	1.64	1.46	1.31	1.24
693-TS-709-12	TS-709-12	12 A	.250 " QC	-----	1.64	1.46	1.31	1.24
693-TS-709-12K	TS-709-12K	12 A	.250 " QC	With metal knurled nut	1.64	1.46	1.31	1.24
693-TS-709-15	TS-709-15	15 A	.250 " QC	-----	1.64	1.46	1.31	1.24
693-TS-709-15K	TS-709-15K	15 A	.250 " QC	With metal knurled nut	1.25	1.11	1.00	.94



DIMENSIONS: mm

SCHURTER ELECTRONIC COMPONENTS TA45 SERIES: THERMAL CIRCUIT BREAKERS WITH ROCKER ACTUATOR

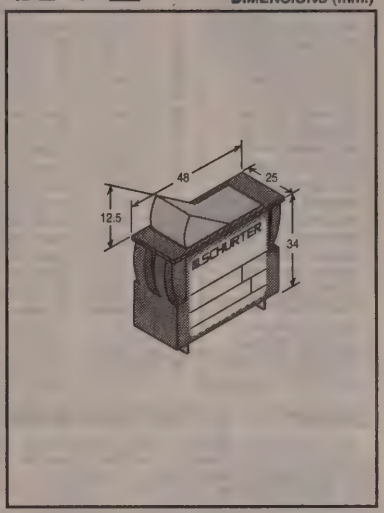
Specifications:

- TA45 is positively trip-free
- Ratings: 240VAC/60VDC
- Black switch has white printed I/O legend
- Orange switch is transparent illuminated with white printed I/O legend
- Other rocker switch colors and legends available. Call for more information.
- Snap-in mount
- IP40 degree of protection on front side
- Terminals: .250" quick connect
- DPST switch (On-Off); 3-pole also available, Call for more information

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Rated Current	Thermal Overload Protection	Switch Color	Price Each			
					1	10	25	50
693-ABTBLJ05C0	ABTBLJ05C0	0.5 A	1-pole	Black	11.81	10.50	9.45	8.93
693-A126LJ05C0	A126LJ05C0	0.5 A	1-pole	Orange	15.44	13.72	12.35	11.66
693-ABDBLJ05C0	ABDBLJ05C0	0.5 A	2-pole	Black	15.44	13.72	12.35	11.66
693-A326LJ05C0	A326LJ05C0	0.5 A	2-pole	Orange	22.29	19.82	17.83	16.84
693-ABTBLJ20C0	ABTBLJ20C0	2 A	1-pole	Black	11.81	10.50	9.45	8.93
693-A126LJ20C0	A126LJ20C0	2 A	1-pole	Orange	15.44	13.72	12.35	11.66
693-ABDBLJ20C0	ABDBLJ20C0	2 A	2-pole	Black	15.44	13.72	12.35	11.66
693-A326LJ20C0	A326LJ20C0	2 A	2-pole	Orange	22.29	19.82	17.83	16.84
693-ABTBL050C0	ABTBL050C0	5 A	1-pole	Black	11.81	10.50	9.45	8.93
693-A126L050C0	A126L050C0	5 A	1-pole	Orange	15.44	13.72	12.35	11.66
693-ABDBL050C0	ABDBL050C0	5 A	2-pole	Black	15.44	13.72	12.35	11.66
693-A326L050C0	A326L050C0	5 A	2-pole	Orange	22.29	19.82	17.83	16.84
693-ABTBL100C0	ABTBL100C0	10 A	1-pole	Black	11.81	10.50	9.45	8.93
693-A126L100C0	A126L100C0	10 A	1-pole	Orange	15.44	13.72	12.35	11.66
693-ABDBL100C0	ABDBL100C0	10 A	2-pole	Black	15.44	13.72	12.35	11.66
693-A326L100C0	A326L100C0	10 A	2-pole	Orange	22.29	19.82	17.83	16.84
693-ABTBL150C0	ABTBL150C0	15 A	1-pole	Black	11.81	10.50	9.45	8.93
693-A126L150C0	A126L150C0	15 A	1-pole	Orange	15.44	13.72	12.35	11.66
693-ABDBL150C0	ABDBL150C0	15 A	2-pole	Black	15.44	13.72	12.35	11.66
693-A326L150C0	A326L150C0	15 A	2-pole	Orange	22.29	19.82	17.83	16.84
693-ABTBL200C0	ABTBL200C0	20 A	1-pole	Black	11.81	10.50	9.45	8.93
693-A126L200C0	A126L200C0	20 A	1-pole	Orange	15.44	13.72	12.35	11.66
693-ABDBL200C0	ABDBL200C0	20 A	2-pole	Black	15.44	13.72	12.35	11.66
693-A326L200C0	A326L200C0	20 A	2-pole	Orange	22.29	19.82	17.83	16.84

DIMENSIONS (mm.)



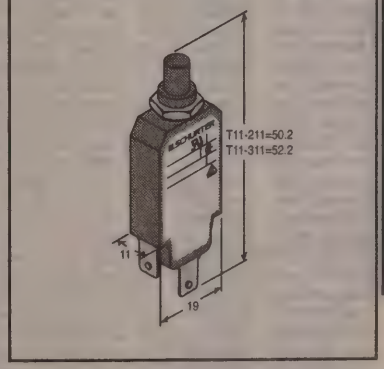
SCHURTER ELECTRONIC COMPONENTS T11 SERIES: PUSH-TO-RESET THERMAL CIRCUIT BREAKERS

Specifications:

- Positively trip-free with single pole thermal overload protection
- Mounting style: Threaded neck type _ - 27UNS - 2 A
- Terminals: .250" quick connect
- Mounting hardware: Hexagonal nut

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Rated Current	Length of Threaded Neck	Price Each			
				1	10	25	50
693-T11-211-1	T11-211-1	1 A	6mm	6.41	5.70	5.13	4.84
693-T11-211-1.5	T11-211-1.5	1.5 A	6mm	6.41	5.70	5.13	4.84
693-T11-211-2	T11-211-2	2 A	6mm	6.41	5.70	5.13	4.84
693-T11-211-3	T11-211-3	3 A	6mm	6.41	5.70	5.13	4.84
693-T11-211-4	T11-211-4	4 A	6mm	6.41	5.70	5.13	4.84
693-T11-211-5	T11-211-5	5 A	6mm	6.41	5.70	5.13	4.84
693-T11-211-10	T11-211-10	10 A	6mm	6.41	5.70	5.13	4.84
693-T11-311-1	T11-311-1	1 A	8mm	6.41	5.70	5.13	4.84
693-T11-311-1.5	T11-311-1.5	1.5 A	8mm	6.41	5.70	5.13	4.84
693-T11-311-2	T11-311-2	2 A	8mm	6.41	5.70	5.13	4.84
693-T11-311-3	T11-311-3	3 A	8mm	6.41	5.70	5.13	4.84
693-T11-311-4	T11-311-4	4 A	8mm	6.41	5.70	5.13	4.84
693-T11-311-5	T11-311-5	5 A	8mm	6.41	5.70	5.13	4.84
693-T11-311-10	T11-311-10	10 A	8mm	6.41	5.70	5.13	4.84



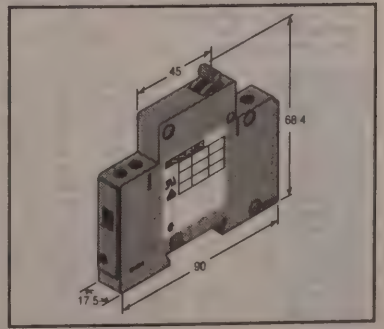
SCHURTER ELECTRONIC COMPONENTS AS 168X SERIES: DIN RAIL MOUNT THERMAL-MAGNETIC HIGH PERFORMANCE CIRCUIT BREAKER

Specifications:

- Finger safe per IEC 529, IP20
- Ratings: UL/CSA - 1 pole - 277VAC/180VDC; 2-3 pole - 480VAC/360VDC
  VDE - 1 pole - 420/240VAC/120VDC; 2 pole - 420VAC/240VDC;
  3 pole - 420VAC/360VDC
- Manual on/off actuation with positively trip-free mechanism
- UL 508 Listed

For quantities of 100 and up, call for quote.

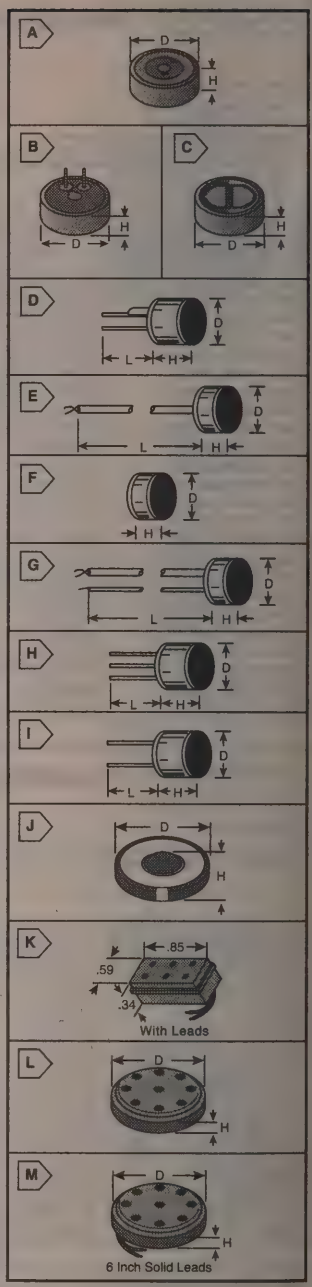
MOUSER STOCK NO.	Schurter Part No.	Rated Current	Number of Poles	Price Each			
				1	10	25	50
693-AS168X-CB1G010	AS168X-CB1G010	1 A	1	26.54	23.59	21.23	20.05
693-AS168X-CB1G020	AS168X-CB1G020	2 A	1	26.54	23.59	21.23	20.05
693-AS168X-CB1G050	AS168X-CB1G050	5 A	1	26.54	23.59	21.23	20.05
693-AS168X-CB1G100	AS168X-CB1G100	10 A	1	21.16	18.81	16.93	15.99
693-AS168X-CB1G150	AS168X-CB1G150	15 A	1	21.16	18.81	16.93	15.99
693-AS168X-CB1G200	AS168X-CB1G200	20 A	1	58.64	52.13	46.91	44.31
693-AS168X-CB2G020	AS168X-CB2G020	2 A	2	58.64	52.13	46.91	44.31
693-AS168X-CB2G100	AS168X-CB2G100	10 A	2	47.88	42.56	38.31	36.18
693-AS168X-CB2G150	AS168X-CB2G150	15 A	2	47.88	42.56	38.31	36.18
693-AS168X-CB2G200	AS168X-CB2G200	20 A	2	72.63	64.56	58.10	54.88
693-AS168X-CB3G150	AS168X-CB3G150	15 A	3	72.63	64.56	58.10	54.88
693-AS168X-CB3G300	AS168X-CB3G300	30 A	3				



Microphone Elements

HORN ELECTRET CONDENSER MICROPHONES

MOUSER STOCK NO.	Fig.	Size DxH (mm)	Directivity	Type	Sensitivity	Frequency Range	Operating Voltage	S/N Ratio	Price Each 1	25	50	100
252-EM4530-44	A	4.5x3.0	Omni-Directional	Terminal	-44 +/- 4dB	100-10k	2.0V	>60dB	2.79	2.09	1.52	1.39
252-EM6015-44BC10	A	6.0x1.5	Omni-Directional	Terminal	-44 +/- 4dB	100-10k	2.0V	>58dB	3.59	2.36	1.94	1.77
252-EM6015-44BC33	A	6.0x1.5	Omni-Directional	Terminal	-44 +/- 4dB	100-10k	2.0V	>58dB	3.59	2.36	1.94	1.77
252-EM6022-40BC10	A	6.0x2.2	Omni-Directional	Terminal	-40 +/- 3dB	100-10k	2.0V	>58dB	2.79	2.09	1.59	1.45
252-EM6022-40BC33	A	6.0x2.2	Omni-Directional	Terminal	-40 +/- 3dB	100-10k	2.0V	>58dB	2.79	2.09	1.59	1.45
252-EM6027-423	A	6.0x2.7	Omni-Directional	Terminal	-42 +/- 3dB	100-15k	2.0V	>58dB	2.38	1.79	1.30	1.19
252-EM6027P-42BC10	B	6.0x2.7	Omni-Directional	Pin	-42 +/- 3dB	100-15k	2.0V	>58dB	2.66	1.99	1.46	1.33
252-EM6027P-42BC33	B	6.0x2.7	Omni-Directional	Pin	-42 +/- 3dB	100-15k	2.0V	>58dB	2.66	1.99	1.46	1.33
252-EM6035-403	A	6.0x3.5	Omni-Directional	Terminal	-40 +/- 3dB	100-15k	2.0V	>60dB	2.38	1.79	1.30	1.19
252-EM6035P-40	B	6.0x3.5	Omni-Directional	Pin	-40 +/- 3dB	100-15k	2.0V	>60dB	2.38	1.79	1.30	1.19
252-EM6050-40	A	6.0x5.0	Omni-Directional	Terminal	-40 +/- 3dB	100-15k	2.0V	>60dB	.99	.74	.54	.49
252-EM6050-443	A	6.0x5.0	Omni-Directional	Terminal	-44 +/- 3dB	100-15k	2.0V	>60dB	.99	.74	.54	.49
252-EM6050P-443	B	6.0x5.0	Omni-Directional	Pin	-44 +/- 3dB	100-15k	2.0V	>60dB	.99	.74	.54	.49
252-EM9465-442	A	9.4x6.5	Omni-Directional	Terminal	-44 +/- 2dB	100-10k	4.5V	>60dB	.88	.67	.50	.45
252-EM9465P-442	B	9.4x6.5	Omni-Directional	Pin	-44 +/- 2dB	100-10k	4.5V	>60dB	.99	.74	.54	.49
252-EM9745-38	A	9.7x4.5	Omni-Directional	Terminal	-38 +/- 3dB	100-10k	4.5V	>60dB	.88	.67	.50	.45
252-EM9745-442	A	9.7x4.5	Omni-Directional	Terminal	-44 +/- 3dB	100-10k	4.5V	>60dB	.88	.67	.50	.45
252-EM9745P-40	B	9.7x4.5	Omni-Directional	Pin	-40 +/- 3dB	100-10k	4.5V	>60dB	.95	.72	.53	.48
252-EM9745P-422	B	9.7x4.5	Omni-Directional	Pin	-42 +/- 3dB	100-10k	4.5V	>60dB	.95	.72	.53	.48
252-EM9765-40	A	9.7x6.5	Omni-Directional	Terminal	-40 +/- 2dB	100-10k	4.5V	>60dB	.78	.59	.43	.39
252-EM9765-422	A	9.7x6.5	Omni-Directional	Terminal	-42 +/- 2dB	100-10k	4.5V	>60dB	.78	.59	.43	.39
252-EM9765P-422	B	9.7x6.5	Omni-Directional	Pin	-42 +/- 2dB	100-10k	4.5V	>60dB	.78	.59	.43	.39
252-EM1050-36	A	10.0x5.0	Omni-Directional	Terminal	-36 +/- 3dB	100-9k	4.5V	>60dB	1.29	.99	.71	.65
252-EM6050U-514	A	6.0x5.0	Uni-Directional	Terminal	-51 +/- 4 dB	100-15k	2.0V	>58dB	2.66	1.99	1.46	1.33
252-EM9752U-47	A	9.7x5.2	Uni-Directional	Terminal	-47 +/- 4dB	100-15k	1.5V	>58dB	2.66	1.99	1.46	1.33
252-EM9752U-514	A	9.7x5.2	Uni-Directional	Terminal	-51 +/- 4 dB	100-15k	1.5V	>58dB	2.66	1.99	1.46	1.33
252-EM6050N-514	A	6.0x5.0	Noise-Canceling	Terminal	-51 +/- 4 dB	100-15k	2.0V	>58dB	2.66	1.99	1.46	1.33
252-EM9752N-51	A	9.7x5.2	Noise-Canceling	Terminal	-51 +/- 4 dB	100-8k	1.5V	>58dB	2.58	1.95	1.44	1.31



KOBITONE ELECTRET CONDENSER MICROPHONES

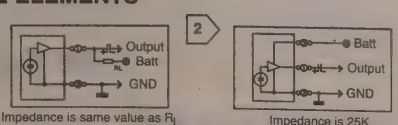
- Frequency Range: 20-20K
- Operating Voltage: 2VDC

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Size DxH (mm)	Directivity	Type	Sensitivity	S/N Ratio	Price Each 1	25	50	100
256-EM2200C	EM2200C	C	6.0 x 2.2	Omni-Directional	Contact	-38 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2200P	EM2200P	B	6.0 x 2.2	Omni-Directional	Pin	-38 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2200T	EM2200T	A	6.0 x 2.2	Omni-Directional	Terminal	-38 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2202C	EM2202C	C	6.0 x 2.2	Omni-Directional	Contact	-40 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2202P	EM2202P	B	6.0 x 2.2	Omni-Directional	Pin	-40 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2202T	EM2202T	A	6.0 x 2.2	Omni-Directional	Terminal	-40 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2204C	EM2204C	C	6.0 x 2.2	Omni-Directional	Contact	-42 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2204P	EM2204P	B	6.0 x 2.2	Omni-Directional	Pin	-42 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2204T	EM2204T	A	6.0 x 2.2	Omni-Directional	Terminal	-42 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2206C	EM2206C	C	6.0 x 2.2	Omni-Directional	Contact	-44 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2206P	EM2206P	B	6.0 x 2.2	Omni-Directional	Pin	-44 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2206T	EM2206T	A	6.0 x 2.2	Omni-Directional	Terminal	-44 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2208C	EM2208C	C	6.0 x 2.2	Omni-Directional	Contact	-46 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2208P	EM2208P	B	6.0 x 2.2	Omni-Directional	Pin	-46 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2208T	EM2208T	A	6.0 x 2.2	Omni-Directional	Terminal	-46 +/- 3dB	60dBA	1.57	1.37	1.18	1.07
256-EM2700C	EM2700C	C	6.0 x 2.7	Omni-Directional	Contact	-38 +/- 3dB	56dBA	1.34	1.17	1.09	.92
256-EM2700T	EM2700T	A	6.0 x 2.7	Omni-Directional	Terminal	-38 +/- 3dB	56dBA	1.34	1.17	1.09	.92
256-EM2702C	EM2702C	C	6.0 x 2.7	Omni-Directional	Contact	-40 +/- 3dB	56dBA	1.34	1.17	1.09	.92
256-EM2702P	EM2702P	B	6.0 x 2.7	Omni-Directional	Pin	-40 +/- 3dB	56dBA	1.34	1.17	1.09	.92
256-EM2702T	EM2702T	A	6.0 x 2.7	Omni-Directional	Terminal	-40 +/- 3dB	56dBA	1.34	1.17	1.09	.92
256-EM2704C	EM2704C	C	6.0 x 2.7	Omni-Directional	Contact	-42 +/- 3dB	56dBA	1.34	1.17	1.09	.92
256-EM2704P	EM2704P	B	6.0 x 2.7	Omni-Directional	Pin	-42 +/- 3dB	56dBA	1.34	1.17	1.09	.92
256-EM2704T	EM2704T	A	6.0 x 2.7	Omni-Directional	Terminal	-42 +/- 3dB	56dBA	1.34	1.17	1.09	.92
256-EM2706C	EM2706C	C	6.0 x 2.7	Omni-Directional	Contact	-44 +/- 3dB	56dBA	1.34	1.17	1.09	.92
256-EM2706P	EM2706P	B	6.0 x 2.7	Omni-Directional	Pin	-44 +/- 3dB	56dBA	1.34	1.17	1.09	.92
256-EM2706T	EM2706T	A	6.0 x 2.7	Omni-Directional	Terminal	-44 +/- 3dB	56dBA	1.34	1.17	1.09	.92
256-EM2708C	EM2708C	C	6.0 x 2.7	Omni-Directional	Contact	-46 +/- 3dB	56dBA	1.34	1.17	1.09	.92
256-EM2708P	EM2708P	B	6.0 x 2.7	Omni-Directional	Pin	-46 +/- 3dB	56dBA	1.34	1.17	1.09	.92
256-EM2708T	EM2708T	A	6.0 x 2.7	Omni-Directional	Terminal	-46 +/- 3dB	56dBA	1.34	1.17	1.09	.92

KOBITONE OMNI-DIRECTIONAL ELECTRET CONDENSER MICROPHONE ELEMENTS

Features:
- Less than 1mA current drain
- More than 40dB signal-to-noise ratio
- Operates from 2 to 10VDC
- Solid aluminum housings



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Circuit Diagram	Frequency Response (Hz)	Sensitivity (dB)	Lead Length (L)	Dimensions (In) Dia.	Ht.	Price Each 1	25	50	100
25LM040	D	1	50 - 13K	-64	.24	.39	.35	1.67	1.27	1.17	1.09
25LM041	E	1	50 - 10K	-64	5.9	.39	.22	3.91	3.52	3.17	2.97
25LM042	E	1	50 - 10K	-64	5.9	.26	.22	4.71	4.24	3.78	3.57
25LM043	F	1	20 - 12K	-64	- - -	.39	.27	1.32	1.07	.97	.88
25LM046	F	1	50 - 15K	-65	- - -	.197	.098	6.23	5.19	4.73	4.29
25LM044	G	2	50 - 10K	-64	11.75	.39	.29	3.57	3.21	2.89	2.71
25LM047	F	2	50 - 10K	-64	- - -	.39	.29	4.42	3.98	3.58	3.35
25LM048	H	2	50 - 10K	-64	.98	.39	.29	4.08	3.67	3.31	3.09
25LM051	G	2	50 - 10K	-64	5.9	.39	.29	3.22	2.69	2.44	2.22
252LM041	F	1	50 - 8K	-64	- - -	.39	.22	2.99	2.69	2.43	2.26
252LM042	F	1	50 - 10K	-64	- - -	.255	.22	3.85	3.47	3.12	2.91
252LM049	I	1	20 - 12K	-64	.40	.39	.27	1.89	1.55	1.40	1.26

KOBITONE DYNAMIC MICROPHONE ELEMENT

Features:
- Frequency Response: 100-20KHz
- Impedance: 500Ω
- Sensitivity: -97dB

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Magnet Type	Dimensions (In) Dia.	Ht.	Price Each 1	25	50	100
25LM032	J	Ferrite	1.2	.41	4.45	3.99	3.60	3.37

KOBITONE CRYSTAL AND CERAMIC MICROPHONE ELEMENTS

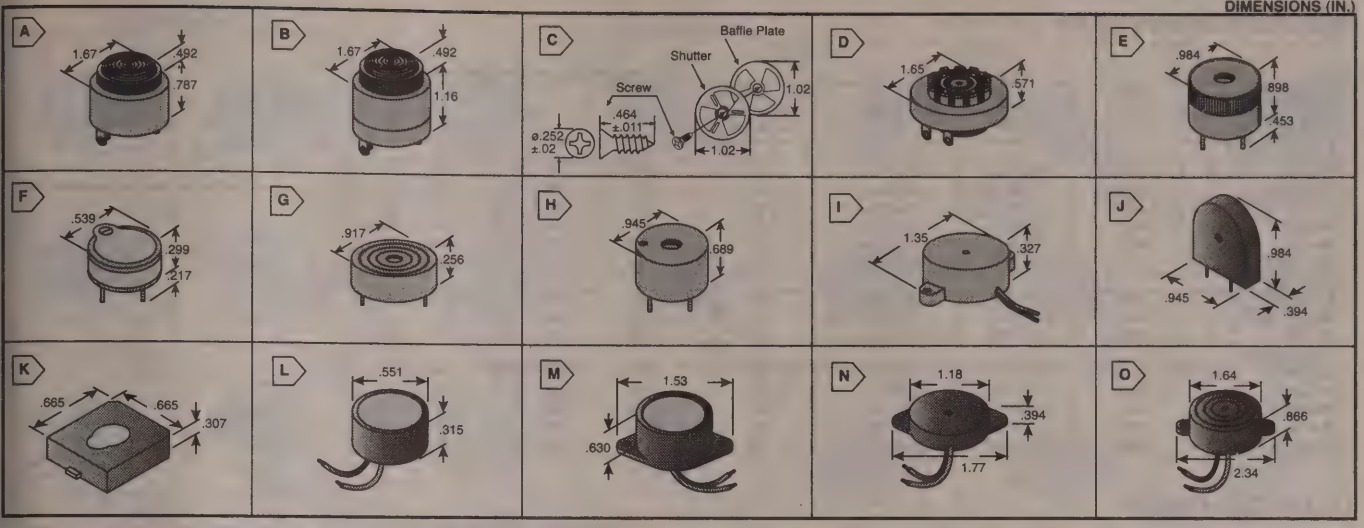
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type Element	Freq. Resp. (Hz)	Impedance (Ω)	Sensitivity (dB)	Dimen. (In) Dia.	Ht.	Price Each 1	25	50	100
25LM021	K	Ceramic	100-7K	230K	-70	- - -	.34	3.83	3.20	2.90	2.70
25LM022	L	Crystal	50-8K	25K	-55	1.38	.46	3.52	2.93	2.66	2.42
25LM024	L	Crystal	50-8K	9K	-55	2.0	.65	4.17	3.47	3.15	2.87
25LM025	L	Crystal	30-15K	12K	-55	1.0	.42	3.83	3.20	2.91	2.64
25LM037	M	Ceramic	30-15K	8K	-60	1.0	.39	3.91	3.26	2.96	2.72

KOBITONE Indicators

KOBITONE™ AUDIO COMPANY

DIMENSIONS (IN.)



PANEL MOUNTED PIEZO INDICATORS (BUILT-IN DRIVE)

* 256-VCRING not compatible with 256-PB065A and 256-PB065B.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Type	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Rated Frequency (Hz)	Tone	Price Each			
									1	25	50	100
256-PB085E	PB085E	A	Piezo Indicator	6 - 16VDC	Max 12 @ 16VDC	78	2900	Chime	7.02	6.57	6.02	5.52
256-PB085F	PB085F	A	Piezo Indicator	6 - 28VDC	Max 29 @ 28VDC	75	1900	Continuous	6.40	5.99	5.49	5.04
256-PB884H	PB884H	A	Piezo Indicator	10 - 48VDC	Max 29 @ 48VDC	75	1900	Continuous	7.66	7.17	6.56	6.01
256-PB081D	PB081D	A	Piezo Indicator	30 - 120VAC/VDC	Max 29 @ 120V	75	1900	Continuous	9.34	8.74	7.99	7.30
256-PB065A	PB065A	A	Piezo Indicator	4 - 28VDC	Max 22 @ 28VDC	98	2800	Continuous	5.72	5.25	4.82	4.43
256-PB065B	PB065B	A	Piezo Indicator	6 - 28VDC	Max 22 @ 28VDC	98	2800	Continuous	6.49	5.96	5.46	5.01
256-PB085A	PB085A	A	Piezo Indicator	6 - 28VDC	Max 22 @ 28VDC	80	2800	Continuous	6.40	5.99	5.49	5.04
256-PB085C	PB085C	A	Piezo Indicator	6 - 28VAC/VDC	Max 22 @ 28V	80	2800	Continuous	8.70	8.13	7.44	6.81
256-PB884G	PB884G	A	Piezo Indicator	10 - 48VDC	Max 11 @ 48VDC	80	2800	Continuous	7.66	7.01	6.42	5.88
256-PB081C	PB081C	A	Piezo Indicator	30 - 120VAC/VDC	Max 25 @ 120V	80	2800	Continuous	9.34	8.74	7.99	7.31
256-PB082C	PB082C	B	Piezo Indicator	60 - 250VAC/VDC	Max 25 @ 250V	80	2800	Continuous	9.66	9.04	8.26	7.55
256-PB085G	PB085G	A	Piezo Indicator	8 - 18VDC	Max 32 @ 18VDC	95	2900	Continuous	6.60	6.19	5.67	5.20
256-PB185A	PB185A	A	Piezo Indicator	6 - 28VDC	Max 15 @ 28VDC	80	2800	Fast Pulse	6.60	6.19	5.67	5.20
256-PB185C	PB185C	A	Piezo Indicator	6 - 28VAC/VDC	Max 26 @ 28V	80	2800	Fast Pulse	8.40	7.86	7.19	6.58
256-PB181C	PB181C	A	Piezo Indicator	30 - 120VAC/VDC	Max 25 @ 120V	80	2800	Fast Pulse	9.56	8.95	8.18	7.48
256-PB182C	PB182C	B	Piezo Indicator	60 - 250VAC/VDC	Max 25 @ 250V	78	2800	Fast Pulse	10.18	9.52	8.70	7.92
256-PB185G	PB185G	A	Piezo Indicator	8 - 18VDC	Max 32 @ 18VDC	95	2900	Fast Pulse	6.92	6.47	5.93	5.44
256-PB385A	PB385A	A	Piezo Indicator	6 - 28VDC	Max 30 @ 28VDC	80	2800	Slow Pulse	6.60	6.19	5.67	5.20
256-PB385C	PB385C	A	Piezo Indicator	6 - 28VAC/VDC	Max 28 @ 28V	84	2800	Slow Pulse	8.40	7.86	7.19	6.58
256-PB381C	PB381C	A	Piezo Indicator	30 - 120VAC/VDC	Max 25 @ 120V	80	2800	Slow Pulse	9.56	8.95	8.18	7.48
256-PB382C	PB382C	B	Piezo Indicator	60 - 250VAC/VDC	Max 25 @ 250V	80	2800	Slow Pulse	10.18	9.52	8.70	7.95
256-PB385G	PB385G	A	Piezo Indicator	8 -18VDC	Max 32 @ 18VDC	95	2900	Slow Pulse	6.92	6.47	5.93	5.44
256-VCRING*	VCRING	C	Volume Control Ring	-	-	-	-	-	.92	.88	.84	.81

SNAP-IN PANEL MOUNT PIEZO INDICATORS (BUILT-IN DRIVE)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Type	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Rated Frequency (Hz)	Tone	Price Each			
									1	25	50	100
256-PB083	PB083	D	Piezo Indicator	4 - 28VDC	Max 24 @ 28VDC	75	2900	Continuous	5.98	5.60	5.14	4.72
256-PB183	PB183	D	Piezo Indicator	6 - 16VDC	Max 13 @ 16VDC	75	2900	Fast Pulse	6.40	5.99	5.49	5.04
256-PB383	PB383	D	Piezo Indicator	6 - 16VDC	Max 13 @ 16VDC	75	2900	Slow Pulse	6.40	5.99	5.49	5.04

PIEZO INDICATORS (BUILT-IN DRIVE)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Type	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Rated Frequency (Hz)	Terminal Type	Price Each			
									1	25	50	100
256-PB920	PB920	E	Piezo Buzzer	9 -12	Max 35 @ 12VDC	91	2900	Pin	4.75	4.37	4.02	3.70
256-PB224	PB224	F	Piezo Buzzer	3 - 16	Max 7 @ 12VDC	70	4100	Pin	2.69	2.49	2.31	2.15
256-PB222	PB222	G	Piezo Buzzer	3 - 20	Max 13 @ 12VDC	75	3200	Pin	2.03	1.89	1.76	1.65
256-PB820Z	PB820Z	H	Piezo Buzzer	3 - 20	Max 13 @ 12VDC	91	3500	Pin	2.66	2.46	2.28	2.12
256-PB022	PB022	I	Piezo Buzzer	3 - 20	Max 10 @ 12VDC	76	2700	Wire	2.09	1.95	1.82	1.70

PIEZO AUDIO INDICATORS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Type	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Rated Frequency (Hz)	Tone	Price Each			
									1	25	50	100
256-PB117A	PB117A	J	Piezo Buzzer	3-20VDC	Max 10 @ 12VDC	75	3200 +/- 500	Continuous	3.51	3.19	2.62	2.37
256-PB114A	PB114A	K	Piezo Buzzer	3-20VDC	Max 8 @ 12VDC	83	4000 +/- 500	Continuous	4.26	3.55	3.23	2.94
256-PB110A	PB110A	L	Piezo Buzzer	9-16VDC	Max 35 @ 12VDC	80	5000 +/- 500	Continuous	9.96	8.71	7.55	6.49
256-PB111A	PB111A	M	Piezo Buzzer	6-14VDC	Max 35 @ 12VDC	85	2800 +/- 500	Continuous	10.30	8.58	7.80	7.09
256-PB112A	PB112A	N	Piezo Buzzer	3-30VDC	Max 13 @ 9VDC	85	2500 +/- 500	Continuous	2.77	2.31	2.10	1.91
256-PB113A	PB113A	N	Piezo Buzzer	3-30VDC	Max 11 @ 9VDC	85	3500 +/- 500	Continuous	2.77	2.31	2.10	1.91
256-PB115A	PB115A	O	Piezo Buzzer	9-14VDC	Max 70 @ 12VDC	89	300 +/- 50	Continuous	6.87	5.87	5.33	4.85
256-PB116A	PB116A	O	Piezo Buzzer	9-16VDC	Max 150 @ 12VDC	87	300 +/- 50	Slow Pulse	6.87	5.87	5.33	4.85

PIEZOELECTRIC BUZZERS

† Pulse tone

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Res. Freq. (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Price Each 1	25	50	100
External Drive										
254-152	A	4000	30Vp-p	3@9Vp-p	80	Wire	1.42	1.18	1.07	.97
254-15231	B	3200	15Vp-p	3@9Vp-p	80	Pin	2.56	2.12	1.93	1.75
254-15240	C	4096	20Vp-p	3@9Vp-p	80	Pin	1.42	1.18	1.07	.97
254-20205	D	4096	30Vp-p	3@9Vp-p	80	Pin	1.42	1.18	1.07	.97
254-272	E	4400	30Vp-p	4@9Vp-p	90	Wire	1.42	1.18	1.07	.97
254-352	G	2500	30Vp-p	5@9Vp-p	90	Wire	2.32	1.93	1.75	1.59
Self Drive										
254-20335	H	3400	3-27VDC	9@9VDC	83	Pin	2.11	1.76	1.59	1.45
254-27346	F	4400	3-27VDC	9@9VDC	83	Wire	1.42	1.18	1.07	.97
254-353	G	2800	3-27VDC	9@9VDC	85	Wire	2.32	1.93	1.75	1.59
Built-In Drive										
254-15210	B	4400	3-15VDC	8@9VDC	85	Pin	2.79	2.09	1.84	1.79
254-20C6	I	3400	3-30VDC	8@9VDC	80	Wire	2.81	2.11	1.86	1.81
254-27C0	J	3500	3-20VDC	8@9VDC	97	Wire	3.79	3.19	2.75	2.47
† 254-35C1	G	2800	3-30VDC	8@9VDC	88	Wire	2.99	2.49	2.09	1.86
254-35C5	K	2800	3-15VDC	45@9VDC	103	Wire	4.69	3.69	3.11	2.99

TELEPHONE RINGER

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Res. Freq. (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Price Each 1	25	50	100
254-35T2	L	1200	40Vp-p	3@9Vp-p	80	Wire	1.29	.98	.83	.75

PIEZO BUZZERS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Type	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Rated Frequency (Hz)	Tone	Price Each 1	25	50	100
256-PS200	PS200	M	Siren	12VDC	Max 70	102	2000-3500	Siren	6.29	5.24	4.76	4.33
256-PS203	PS203	N	Siren	7-15VDC	Max 200	90	1500-3500	Fast Pulse	14.23	13.05	11.58	10.00
256-PS204A	PS204A	O	Siren	6-16VDC	Max 260	105	2000-4000	Siren	16.68	13.90	12.64	11.49
256-PS205B	PS205B	P	Siren	6-16VDC	Max 260	105	2000-4000	Siren	16.68	13.90	12.64	11.49

ELECTRONIC BUZZER

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Type	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Rated Frequency (Hz)	Tone	Price Each 1	25	50	100
256-ES101	ES101	Q	Sounder	6-18VDC	Max 57 @ 12VDC	80	2100 +/- 500	Warble	28.02	25.67	23.23	21.21

MAGNETIC BUZZERS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Type	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Driver Circuit	Terminal Type	Price Each 1	25	50	100
256-MB5120C	MB5120C	R	Indicator	5VDC	Max 35	85	Built-In	Pin	1.63	1.37	1.29	1.22
256-MB2121C	MB2121C	R	Indicator	12VDC	Max 35	94	Built-In	Pin	1.63	1.37	1.29	1.22
256-MB1160	MB1160	S	Transducer	1.5VDC	Max 20	88	None	Pin	1.25	1.08	1.03	.98
256-MB6160	MB6160	S	Transducer	6VDC	Max 50	92	None	Pin	1.25	1.08	1.03	.98
256-MB2161	MB2161	S	Transducer	12VDC	Max 40	92	None	Pin	1.25	1.08	1.03	.98

AUDIO BUZZERS

For quantities of 200 and up, call for quote.

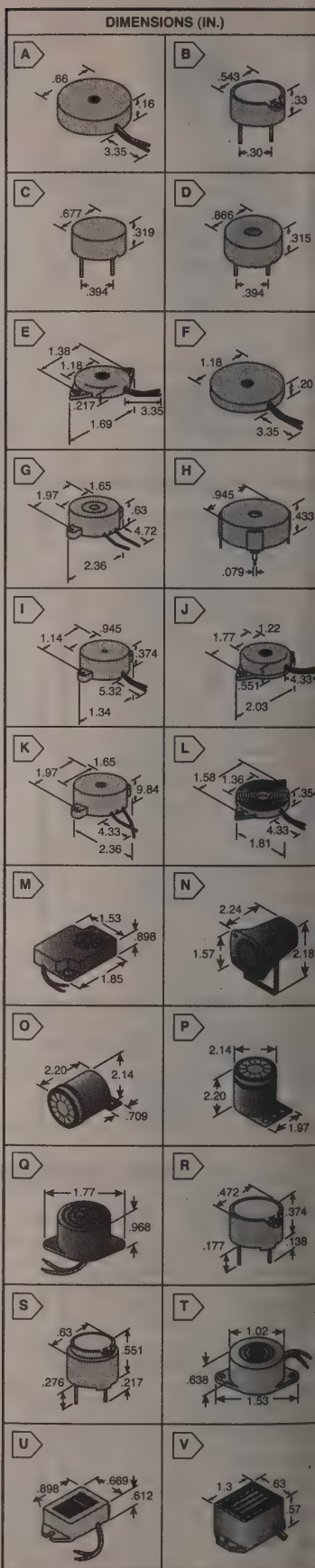
MOUSER STOCK NO.	Kobitone Part No.	Fig.	Type	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Tone	Price Each 1	25	50	100
256-MB2001	MB2001	T	Magnetic Buzzer	4-8VDC	Max 22 @ 6VDC	79	Continuous	4.14	3.45	3.13	2.85
256-MB2002	MB2002	T	Magnetic Buzzer	8-16VDC	Max 25 @ 12VDC	79	Continuous	4.14	3.45	3.13	2.85
256-MB2003	MB2003	T	Magnetic Buzzer	20-28VDC	Max 25 @ 24VDC	82	Continuous	4.14	3.45	3.13	2.85
256-MB2004	MB2004	U	Magnetic Buzzer	2-4VDC	Max 50 @ 3VDC	75	Continuous	4.14	3.45	3.13	2.85
256-MB2005	MB2005	U	Magnetic Buzzer	4-8VDC	Max 45 @ 6VDC	75	Continuous	4.14	3.45	3.13	2.85
256-MB2006	MB2006	U	Magnetic Buzzer	8-16VDC	Max 30 @ 12VDC	79	Continuous	4.14	3.45	3.13	2.85
256-MB2007	MB2007	U	Magnetic Buzzer	20-28VDC	Max 24 @ 24VDC	76	Continuous	4.14	3.45	3.13	2.85

SOLID STATE BUZZERS

For quantities of 200 and up, call for quote.

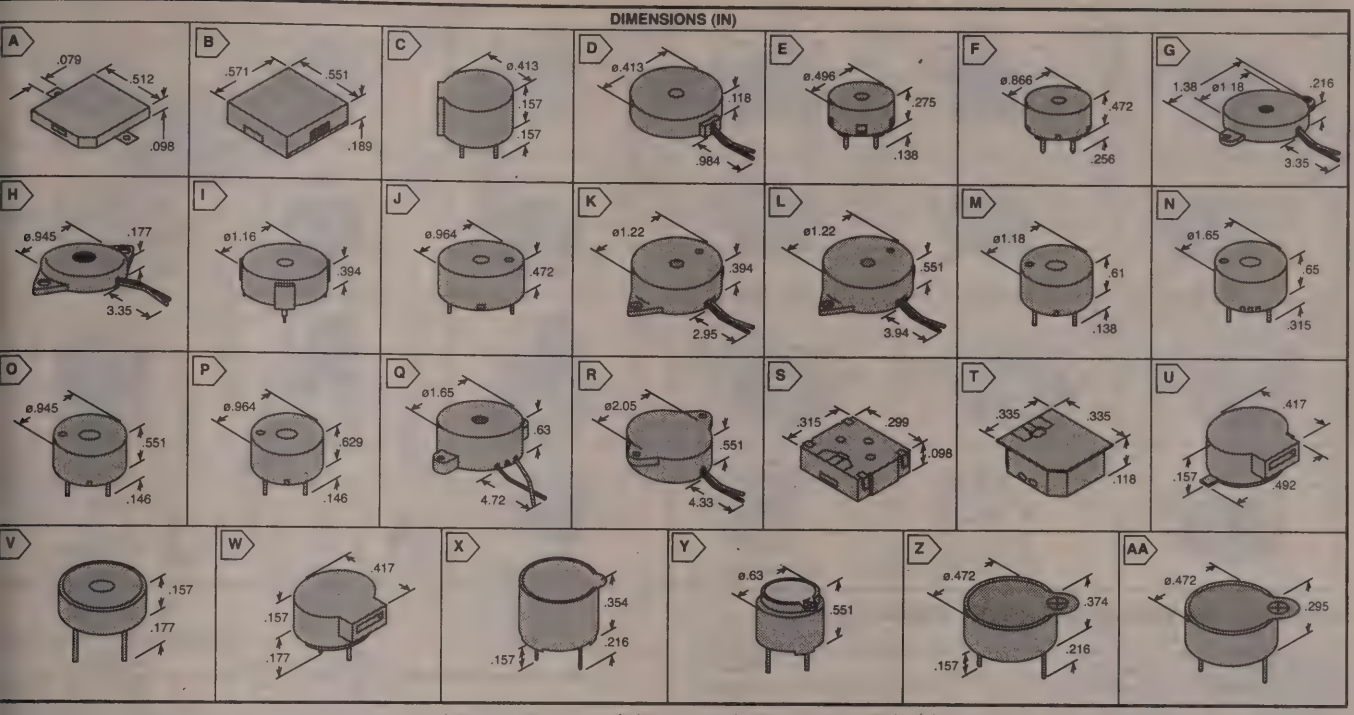
MOUSER STOCK NO.	Fig.	Type	Rated Voltage	Operating Voltage (V) DC Min.	Max.	Sound Pressure Level (dB)	Rated Frequency (Hz)	Price Each 1	25	50	100
251-0103	V	Magnetic Buzzer	3VDC	2	4	75	300-500	2.61	2.18	1.98	1.80
251-0106	V	Magnetic Buzzer	6VDC	3	7	75	300-500	2.61	2.18	1.98	1.80
251-0112	V	Magnetic Buzzer	12VDC	7	17	75	300-500	2.61	2.18	1.98	1.80

DIMENSIONS (IN.)



KOBITONE Buzzers and Transducers

KOBITONE™ AUDIO COMPANY



PIEZOELECTRIC BUZZERS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Price Each 1	25	50	100
External Drive											
254-PB501	PB501	A	4000	15Vp-p	3@9Vp-p	80	SMT	1.47	1.35	1.24	1.18
254-PB502	PB502	B	4000	15Vp-p	3@9Vp-p	80	SMT	1.47	1.35	1.24	1.18
254-PB503	PB503	C	4000	15Vp-p	3@9Vp-p	72	Pin	1.07	.89	.81	.74
254-PB505	PB505	C	5000	15Vp-p	3@9Vp-p	80	Pin	1.07	.89	.81	.74
254-PB504	PB504	D	4000	15Vp-p	3@9Vp-p	72	Wire	1.16	.97	.88	.80
254-PB506	PB506	D	5000	15Vp-p	3@9Vp-p	80	Wire	1.07	.89	.81	.74
254-PB507	PB507	E	4000	15Vp-p	3@9Vp-p	80	Pin	.93	.71	.65	.59
254-PB508	PB508	F	4000	30Vp-p	4@12Vp-p	90	Pin	.93	.71	.65	.59
254-PB514	PB514	G	3500	30Vp-p	4@9Vp-p	85	Wire	.93	.71	.65	.59
Self Drive											
254-PB515	PB515	H	6200	3-27VDC	9@9VDC	83	Wire	1.07	.89	.81	.74
254-PB516	PB516	I	2500	3-27VDC	9@9VDC	83	Pin	.97	.75	.68	.62
Built-In Drive											
254-PB517	PB517	J	3400	3-15VDC	7@9VDC	90	Pin	4.10	3.42	3.11	2.83
254-PB518	PB518	K	3500	3-30VDC	8@9VDC	85	Wire	2.18	1.82	1.69	1.50
254-PB511	PB511	K	5000	3-30VDC	8@9VDC	80	Wire	2.18	1.82	1.69	1.50
254-PB519	PB519	L	3500	3-30VDC	10@9VDC	87	Wire	2.18	1.82	1.69	1.50
254-PB520	PB520	M	3400	5-20VDC	6@9VDC	87	Pin	3.40	2.83	2.57	2.34
254-PB521	PB521	N	2800	3-20VDC	12@9VDC	100	Pin	4.10	3.42	3.11	2.83
254-PB509	PB509	O	3800	3-30VDC	8@9VDC	83	Pin	2.18	1.82	1.69	1.50
254-PB510	PB510	P	5000	3-15VDC	7@9VDC	93	Pin	3.40	2.83	2.57	2.34
254-PB512	PB512	Q	3000	5-20VDC	20@9VDC	97	Wire	5.72	4.77	4.33	3.94
254-PB513	PB513	Q	5000	5-20VDC	12@9VDC	93	Wire	5.20	4.33	3.61	3.01

TELEPHONE RINGER

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Price Each 1	25	50	100
254-PB500	PB500	R	800	40Vp-p	4@9Vp-p	80	Wire	1.48	1.21	1.10	1.00

MAGNETIC TRANSDUCERS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Price Each 1	25	50	100
254-MB550	MB550	S	2700	3VDC	100	83	SMT	2.77	2.31	2.10	1.91
254-MB551	MB551	T	2700	3VDC	100	85	SMT	2.18	1.82	1.69	1.50
254-MB552	MB552	T	2700	3VDC	80	90	SMT	2.18	1.82	1.69	1.50
254-MB553	MB553	U	2730	5VDC	80	85	SMT	1.73	1.44	1.31	1.19
254-MB554	MB554	V	2730	1.5VDC	80	85	Pin	1.45	1.21	1.10	1.00
254-MB555	MB555	V	2730	3VDC	80	85	Pin	1.45	1.21	1.10	1.00
254-MB556	MB556	W	2700	1.5VDC	80	85	Pin	1.45	1.21	1.10	1.00
254-MB557	MB557	X	2400	12VDC	40	85	Pin	.97	.75	.68	.62
254-MB563	MB563	X	2048	5VDC	50	82	Pin	.97	.75	.68	.62
254-MB558	MB558	Y	2048	6VDC	40	85	Pin	1.32	1.10	1.01	.91
254-MB560	MB560	Z	2300	12VDC	30	85	Pin	.97	.75	.68	.62
254-MB564	MB564	Z	2300	6VDC	30	85	Pin	1.22	1.02	.92	.84
254-MB561	MB561	AA	2300	5VDC	30	83	Pin	.97	.75	.68	.62
254-MB562	MB562	AA	2300	12VDC	30	83	Pin	1.22	1.02	.92	.84

KOBITONE Transducers

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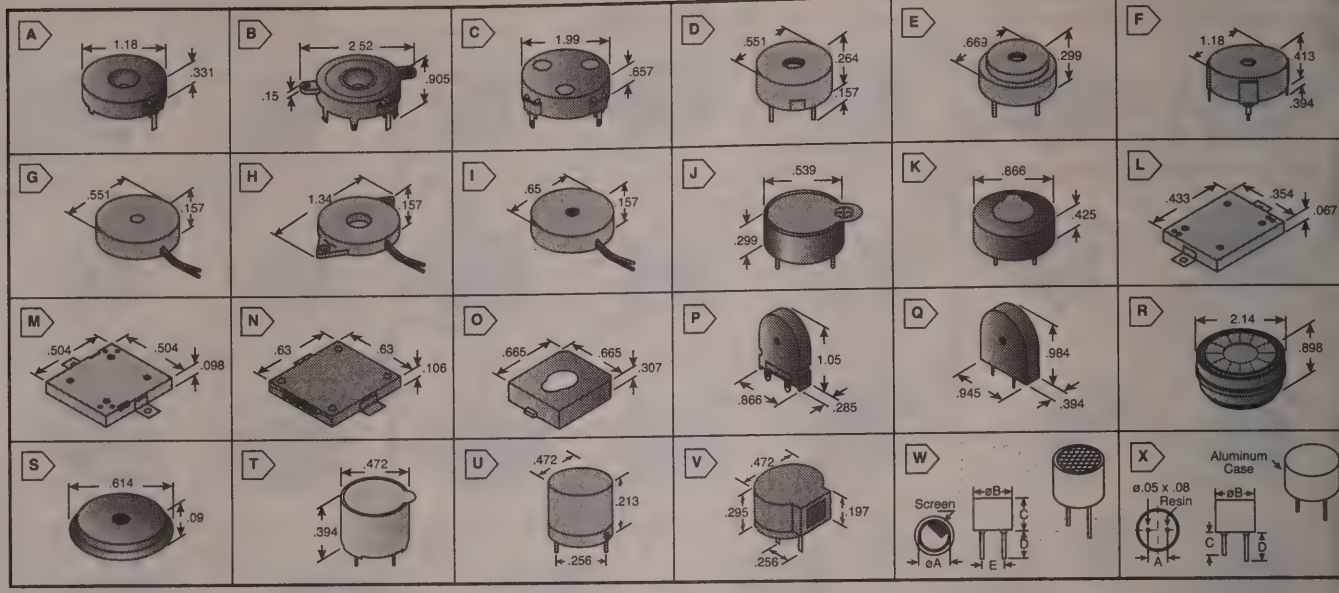


PIEZO ALARM TRANSDUCERS (EXTERNAL DRIVE)

For quantities of 200 and up, call for quo

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Type	Rated Voltage	Sound Pressure Level (dB)	Rated Frequency (Hz)	Terminal Type	Price Each			
								1	25	50	100
256-PB1261	PB1261	A	Piezo Buzzer	Sine Wave 85/Square Wave 50/Continuous	Min. 85dB@3m@18Vp-p	2000-6K	Pin	4.26	3.55	3.23	2.94
256-PB1262	PB1262	B	Piezo Buzzer	Sine Wave 85/Square Wave 50/Continuous	Min. 100dB@30cm@12Vp-p	2200-4K	Pin	5.98	4.99	4.54	4.12
256-PB1263	PB1263	C	Piezo Buzzer	Sine Wave 85/Square Wave 50/Continuous	Min. 85dB@3m@18Vp-p	2000-4K	Pin	4.26	3.55	3.23	2.94

PIEZO TRANSDUCERS (EXTERNAL DRIVE)

For quantities of 200 and up, call for quo

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Type	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Rated Frequency (Hz)	Terminal Type	Price Each			
									1	25	50	100
256-PB916	PB916	D	Piezo Buzzer	30	Max 7 @ 10Vp-p	80	4000	Pin	1.35	1.15	1.09	1.04
256-PB315	PB315	E	Piezo Buzzer	20	Max 7 @ 10Vp-p	82	4000	Pin	1.35	1.15	1.09	1.04
256-PB313	PB313	F	Piezo Buzzer	3 - 28	Max 7 @ 12VDC	82	3600	Pin	1.90	1.67	1.56	1.46
256-PB516	PB516Z	G	Piezo Buzzer	30	Max 11 @ 10Vp-p	85	4800	Wire	1.22	1.05	1.00	.95
256-PB012	PB012	H	Piezo Buzzer	30	Max 8 @ 10Vp-p	88	6000	Wire	1.25	1.08	1.03	.98
256-PB015	PB015	I	Piezo Buzzer	30	Max 9 @ 10Vp-p	80	5000	Wire	1.35	1.15	1.09	1.04
256-PB1260	PB1260	J	Piezo Buzzer	20	Max 10 @ 10Vp-p	80	4000	Pin	1.74	1.44	1.20	1.12
256-PB1264	PB1264	K	Piezo Buzzer	20	Max 10 @ 10Vp-p	80	2000	Pin	1.41	1.26	1.19	1.13
256-PB1265	PB1265	L	Piezo Buzzer	25	Max 4.5 @ 5Vp-p	70	4100	SMT	2.77	2.31	2.10	1.91
256-PB1266	PB1266	M	Piezo Buzzer	25	Max 5 @ 5Vp-p	70	4100	SMT	2.77	2.31	2.10	1.91
256-PB1267	PB1267	N	Piezo Buzzer	25	Max 3 @ 3Vp-p	70	4000	SMT	1.60	1.23	1.15	1.04
256-PB1268	PB1268	O	Piezo Buzzer	20	Max 10 @ 10Vp-p	88	5000	SMT	2.77	2.31	2.10	1.91
256-PB1272	PB1272	P	Piezo Buzzer	30	Max 7 @ 9Vp-p	70	2000	Vertical Mount	1.22	1.10	1.04	1.00
256-PB1273	PB1273	Q	Piezo Buzzer	30	Max 10 @ 10Vp-p	93	3300	Vertical Mount	1.60	1.23	1.15	1.04

PIEZO ALARM TRANSDUCERS

For quantities of 200 and up, call for quo

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Type	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Rated Frequency (Hz)	Electrostatic Capacity (pF)	Price Each			
									1	25	50	100
256-PS1200	PS1200	R	Piezo Sounder	150	Max 30 @ 90Vp-p	95	3500	30,000 +/- 30%	4.32	3.60	3.27	2.9
256-PB1269	PB1269	S	Piezo Ringer	30	Max 6 @ 9Vp-p	74	2240	8,000 +/- 30%	1.14	.90	.86	.8

MAGNETIC TRANSDUCERS

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Type	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Rated Frequency (Hz)	Terminal Type	Price Each			
									1	25	50	100
256-MB2000	MB2000	T	Magnetic Buzzer	5V	50	85	2400	Pin	.44	.36	.33	.3
254-12GP	12GP	U	Magnetic Buzzer	1.5VDC	30	85	2048	Pin	1.29	.98	.90	.8
254-12AMP-01B	12AMP-01B	U	Magnetic Buzzer	1.5VDC	10	70	2048	Pin	1.29	.98	.90	.8
254-12NEP-01B	12NEP-01B	V	Magnetic Buzzer	1.5VDC	70	85	2731	Pin	1.44	1.21	1.15	1.0

ULTRASONIC TRANSDUCERS

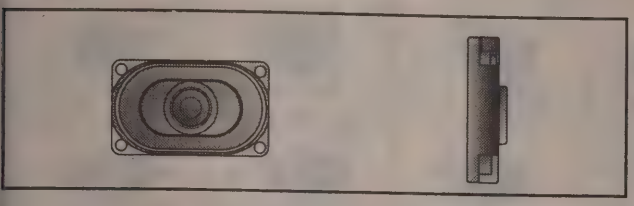
For quantities of 200 and up, call for quo

MOUSER STOCK NO.	Fig.	Description	SPL Min. (dB)	Sensitivity Min. (dB)	Center Frequency (kHz)	Bandwidth (kHz)	Max. Input Voltage	Dimensions (In.)					Price Each			
								A	B	C	D	E	1	25	50	1
255-400PT16	W	Pulse Transit	117	-53	40 ± 1.0	2	20	.51	.64	.48	.39	.39	5.89	4.95	4.39	3.9
255-400SR12	W	Receiver	- - -	-67	40 ± 1.0	2	20	.39	.50	.39	.39	.33	4.79	4.36	3.97	3.4
255-400ST12	W	Transmitter	115	- - -	40 ± 1.0	2	20	.39	.50	.39	.39	.33	4.79	4.36	3.97	3.4
255-400SR16	W	Receiver	- - -	-65	40 ± 1.0	2.5	20	.47	.64	.47	.39	.39	4.59	3.95	3.55	2.9
255-400ST16	W	Transmitter	119	- - -	40 ± 1.0	2	20	.47	.64	.47	.39	.39	4.59	3.95	3.55	2.9
255-400ER18	X	Receiver	- - -	-70	40 ± 1.0	1.5	20	.45	.71	.53	.69	- - -	7.25	6.59	5.99	5.4
255-400ET18	X	Transmitter	115	- - -	40 ± 1.0	1.5	20	.45	.71	.53	.69	- - -	7.25	6.59	5.99	5.4

KOBITONE Speakers

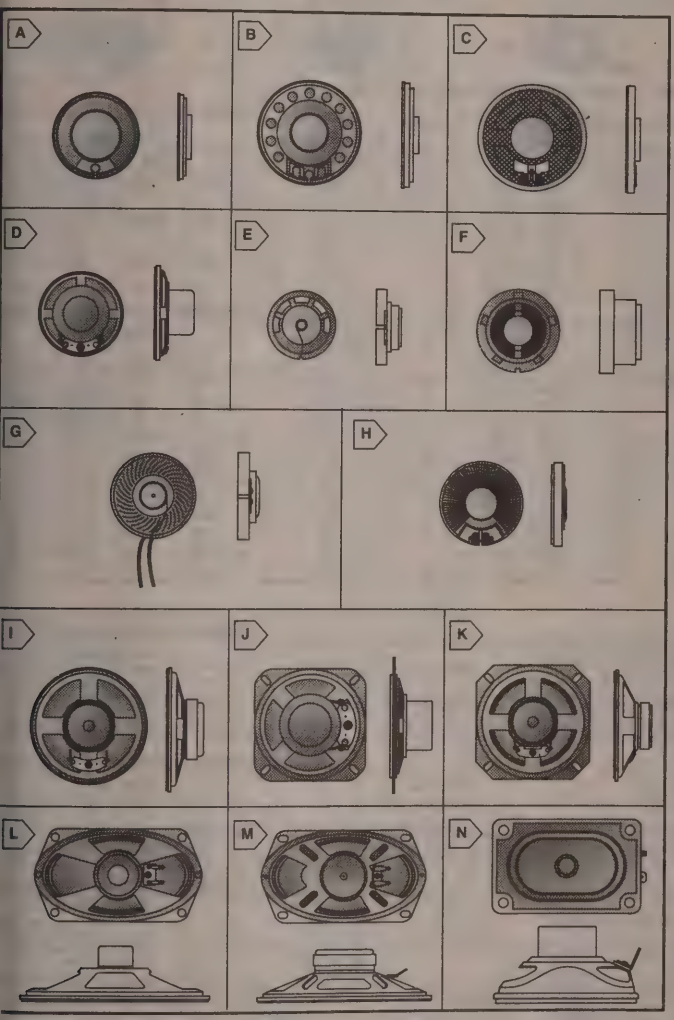
KOBITONE™ AUDIO COMPANY

LOW PROFILE RECTANGULAR SPEAKERS



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Frame Material	Size (WxLxH)	Imp. (Ω)	Power (W)	Max. Power (W)	Frequency Response (Hz)	Price Each 1	10	100	500
253-1635CP08	Metal	16x35x6.3mm	8	1.0	2.0	350-20k	3.59	3.06	2.61	2.44
253-2027CP08	Metal	20x27x5.7mm	8	1.0	2.0	350-20k	3.59	3.06	2.61	2.44
253-2035CP08	Metal	20x35x5.4mm	8	1.0	2.0	400-20k	3.59	3.06	2.61	2.44
253-2040CP08	Metal	20x40x6.5mm	8	1.0	2.0	300-20k	3.59	3.06	2.61	2.44
253-2040CP08-8	Plastic	20x40x10.3mm	8	1.0	2.0	200-20k	3.75	3.19	2.71	2.44
253-2840CP08	Plastic	28x40x11.6mm	8	1.0	2.0	200-20k	3.75	3.19	2.71	2.44



• High quality speakers • Pre-tinned speaker lugs

KOBITONE™ PLASTIC FRAME MYLAR SPEAKERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size (In.)	Depth (In.)	Imp. (Ω)	Rated Power (W)	Frequency Response (Hz)	Magnet Type	Price Each 1	10	100
253-5101	F	0.39	0.18	8	0.1	750-20KHz	ND	2.38	2.07	1.80
253-5133	E	0.53	0.18	8	0.1	500-20KHz	ND	1.89	1.64	1.43
25RF006	E	1.06	.35	8	0.1	800-5K	Ferrite	2.85	2.38	2.16
253-5201	B	0.79	0.15	32	0.1	480-5KHz	ND	1.98	1.79	1.61
253-5301	H	1.18	0.20	32	0.2	300-6KHz	ND	2.22	1.76	1.59
25SP224	G	1.57	.39	32	0.03	150-18K	Ferrite	3.25	2.71	2.46
25SP500	G	1.57	.32	600	0.025	20-20K	Alnico	5.14	4.28	3.89

KOBITONE™ ROUND SPEAKERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size (In.)	Depth (In.)	Imp. (Ω)	Rated Power (W)	Frequency Response (Hz)	Magnet Type	Price Each 1	10	100
Standard Performance Speakers										
253-2015	D	1.50	.65	8	0.2	700-4K	Alnico	2.35	1.95	1.78
253-2115	D	1.50	.64	100	0.2	700-5K	Alnico	2.62	2.18	1.98
253-2020	D	2.0	.75	8	0.2	500-4K	Alnico	2.26	1.89	1.72
253-2121	D	2.0	.75	100	0.2	500-4.5K	Alnico	2.45	2.05	1.86
253-4020	I	2.0	.70	8	0.2	500-4K	Ferrite	1.87	1.57	1.42
253-2022	D	2.25	.76	8	0.2	400-4.5K	Alnico	2.34	1.95	1.85
253-2025	D	2.6	.84	8	0.25	330-4.5K	Alnico	2.44	2.04	1.85
253-2030	D	3.0	.96	8	0.5	280-5K	Alnico	2.39	1.99	1.72
Top Quality Communication Speakers										
25SP015	D	1.5	.65	8	0.1	800-4K	Alnico	2.75	2.29	1.99
25SP007	D	1.5	.65	100	0.1	650-4K	Alnico	3.54	2.95	2.68
25SP009	D	1.75	.64	8	0.1	800-4K	Alnico	2.75	2.29	1.99
25SP002	D	2.0	.77	8	0.2	500-4K	Alnico	2.49	2.04	1.62
25SP008	D	2.0	.73	100	0.2	450-4K	Alnico	2.70	2.25	2.03
25SP024	D	2.25	.82	8	0.2	450-4K	Alnico	2.29	1.89	1.37
25SP029	D	2.25	.87	100	0.25	450-4K	Alnico	2.50	2.08	1.98
25SP025	D	2.5	.82	8	0.2	350-4K	Alnico	2.69	2.19	1.94
25RF123	I	2.75	.83	8	0.5	300-3.5K	Ferrite	2.44	1.89	1.64
25SP027	D	2.75	.87	8	0.5	300-3.5K	Alnico	2.56	2.05	1.85
25SP005	D	2.75	.91	40	0.3	300-3.5K	Alnico	3.67	3.06	2.78
25SP013	D	3.0	.93	8	0.5	260-6K	Alnico	2.49	2.05	1.86

KOBITONE™ SQUARE SPEAKERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size (In.)	Depth (In.)	Imp. (Ω)	Rated Power (W)	Frequency Response (Hz)	Magnet Type	Price Each 1	10	100
Standard Performance Speakers										
253-2120	J	2.0	.77	8	0.2	500-4.5K	Alnico	2.23	1.86	1.71
253-2032	J	3.0	1.15	40	0.8	220-10K	Alnico	2.34	2.12	1.83
253-2130	J	3.0	1.06	8	0.8	220-10K	Alnico	2.58	2.26	2.01
253-4130	K	3.0	1.02	8	0.8	220-15K	Ferrite	1.91	1.65	1.51
253-2040	J	4.0	1.36	8	1.5	150-12K	Alnico	3.30	2.81	2.56
253-2041	J	4.0	1.52	8	2.0	160-10K	Alnico	4.73	3.95	3.59
253-2044	J	4.0	1.50	4	2.0	160-12K	Alnico	4.73	3.95	3.59
Top Quality Communications Speakers										
25SP016	J	1.50	.65	8	0.1	650-3.5K	Alnico	3.12	2.60	2.37
25SP003	J	2.0	.75	8	0.2	450-4K	Alnico	2.70	2.25	1.90
25SP023	J	2.0	.75	100	0.2	460-4K	Alnico	2.70	2.25	1.90
25SP104	J	2.25	.75	8	0.25	450-4K	Alnico	2.75	2.29	2.09
25SP105	J	2.5	.85	8	0.3	350-4 0K	Alnico	3.16	2.63	2.39
25SP030	J	3.0	1.16	8	0.3	250-5K	Alnico	3.26	2.71	1.94
25SF236	K	3.50	1.02	8	0.8	200-5K	Ferrite	2.99	2.43	1.94
25SP035	J	3.5	1.16	8	0.5	200-5K	Alnico	3.96	3.30	2.75
25SP041	J	4.0	.91	8	1.0	190-10K	Alnico	3.66	3.05	2.78

KOBITONE™ MYLAR SPEAKERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size (In.)	Depth (In.)	Imp. (Ω)	Rated Power (W)	Frequency Response (Hz)	Magnet Type	Price Each 1	10	100
253-5148	A	0.58	0.15	8	0.2	500-20KHz	ND	2.49	2.24	1.99
253-5151	B	0.59	0.10	8	0.4	450-20KHz	ND	2.59	2.29	2.04
253-5161	A	0.63	0.14	8	0.3	700-20KHz	ND	2.69	2.33	2.10
253-5008	A	.8	.18	8	0.1	600-7K	ND	2.75	2.28	2.07
253-5221	A	0.87	0.14	8	0.75	400-20KHz	ND	2.99	2.69	2.32
253-5285	A	1.10	0.22	8	0.8	250-20KHz	ND	4.31	3.83	3.45
253-5011	A	1.1	.20	8	0.1	550-6K	ND	2.85	2.37	2.15
253-5014	B	1.42	.17	8	0.2	550-6K	ND	3.15	2.62	2.38
253-5363	A	1.42	0.20	8	0.5	230-20KHz	ND	4.29	3.57	3.25
253-5405	C	1.57	0.20	8	1.0	230-20KHz	ND	4.09	3.37	3.05
253-5015	B	1.57	.24	8	0.1	400-10K	ND	3.19	2.66	2.42
253-3015	D	1.50	.64	8	0.1	800-4.5K	Alnico	2.68	2.37	2.20
253-5502	A	1.97	0.30	8	0.8	350-20KHz	ND	4.29	3.57	3.25
253-3020	D	2.0	.75	8	0.2	500-4.5K	Alnico	3.44	2.87	2.61
253-3025	D	2.5	1.06	8	0.2	450-5K	Alnico	3.49	2.92	2.66

KOBITONE™ OVAL SPEAKERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size (In.)	Depth (In.)	Imp. (Ω)	Rated Power (W)	Frequency Response (Hz)	Magnet Type	Price Each 1	10	100
25SP101	L	3x5	1.42	8	1.0	170-20K	Alnico	4.99	4.18	3.80
253-4350	M	3x5	1.41	8	1.5	160-12K	Ferrite	4.82	4.02	3.66
253-5070	N	2x2.75	1.59	8	3.0	200-20K	Ferrite	3.58	3.10	2.68

KOBITONE Speakers and Earphones

KOBITONE AUDIO COMPANY

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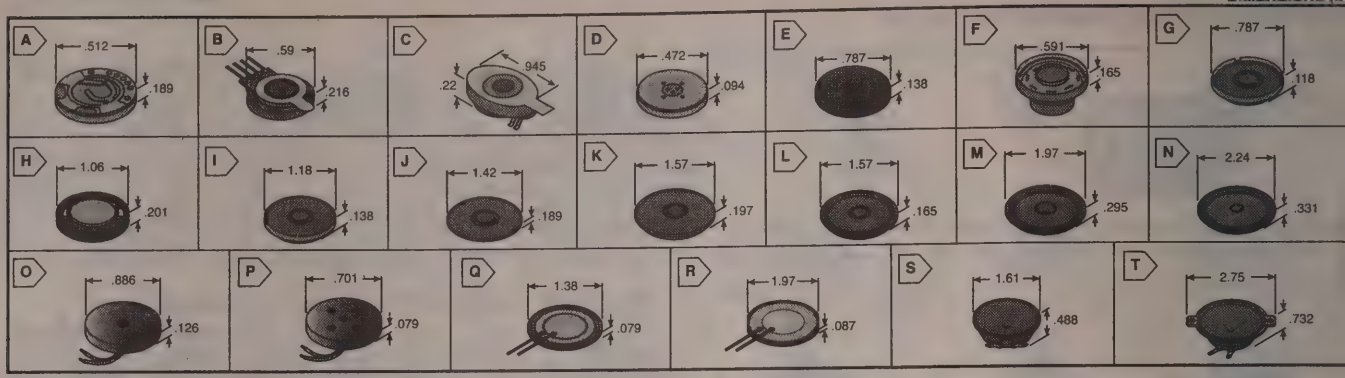


DYNAMIC MULTI-FUNCTION SPEAKERS

For quantities of 200 and up, call for quot

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Multi-Function	Impedance (Ω)	Power Rating (mW)	Frequency Range (Hz)	Sound Pressure Level (dB)	Price Each 1	25	50	100
254-PR650	PR650	A	Speaker	8Ω	300 max.	1100 - 3500	85	3.40	2.83	2.57	2.34
			Receiver	8Ω	20 max.	300 - 3400	117				
254-PR651	PR651	B	Speaker	8Ω	300 max.	80 - 20000	87	4.69	3.91	3.55	3.23
			Receiver	32Ω	20 max.	300 - 3400	109				
254-PR652	PR652	C	Speaker	8Ω	300 max.	300 - 4000	88	6.10	5.08	4.62	4.53
			Receiver	8Ω	20 max.	300 - 4000	116				

MYLAR SPEAKERS

For quantities of 200 and up, call for quot

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Impedance (Ω)	Power Rating (mW) Normal	Power Rating (mW) Max.	Frequency Range (Hz)	Sound Pressure Level (dB)	Price Each 1	25	50	100
254-PS600	PS600	D	8Ω	300	500	1000 - 20000	83	1.48	1.23	1.12	1.02
254-PS601	PS601	E	8Ω	200	300	700 - 7000	85	2.18	1.82	1.69	1.50
254-PS602	PS602	F	32Ω	30	50	400 - 20000	102	.93	.71	.65	.59
254-PS603	PS603	G	8Ω	200	400	400 - 6500	75	1.22	1.02	.92	.84
254-PS604	PS604	H	32Ω	200	500	360 - 2800	80	1.22	1.02	.92	.84
254-PS605	PS605	I	8Ω	100	200	350 - 6800	76	1.45	1.21	1.10	1.00
254-PS606	PS606	J	25Ω	200	500	320 - 7200	83	1.48	1.23	1.12	1.02
254-PS607	PS607	K	8Ω	500	1000	350 - 6200	84	1.45	1.21	1.10	1.00
254-PS608	PS608	L	8Ω	200	500	350 - 11000	82	1.45	1.21	1.10	1.00
254-PS609	PS609	M	8Ω	250	500	350 - 8500	85	1.48	1.23	1.12	1.02
254-PS610	PS610	N	8Ω	500	1000	350 - 13000	88	1.73	1.44	1.31	1.19

PIEZO SPEAKERS

Receivers

For quantities of 200 and up, call for quot

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Impedance (Ω)	Sound Pressure Level (dB)	Electrostatic Capacity (pF)	Price Each 1	25	50	100
256-PR200	PR200	O	2000 +/- 25% @ 1KHz	108 +/- 3dB @ 1KHz	90,000 +/- 30% @ 120Hz/0.25V	1.74	1.44	1.20	1.12
256-PR201	PR201	P	2300 +/- 25% @ 1KHz	106 +/- 3dB @ 1KHz	80,000 +/- 30% @ 120Hz/0.25V	2.77	2.31	2.10	1.91

Ceramic

For quantities of 200 and up, call for quot

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Voltage	Rated Frequency (Hz)	Impedance (Ω)	Electrostatic Capacity (pF)	Price Each 1	25	50	100
256-PS201	PS201	Q	30	650 +/- 200	Max 2000 @ 1KHz	160,000+/-30% @ 120Hz @ 1V	1.86	1.55	1.40	1.28
256-PS202	PS202	R	30	1200 +/- 200	Max 3500 @ 1KHz	65,000+/-30% @ 120Hz @ 1V	1.86	1.55	1.40	1.28

Tweeters

For quantities of 200 and up, call for quot

MOUSER STOCK NO.	Kobitone Part No.	Fig.	Voltage (Continuous)	Voltage (Intermittent)	Sound Pressure Level (dB)	Frequency Range (Hz)	Price Each 1	25	50	100
256-PT200	PT200	S	12	35	Min 85dB @ 2.832Vrms Sine Wave	6000-40,000	4.35	3.87	3.52	3.20
256-PT201	PT201	T	12	35	Min 86dB @ 2.832Vrms Sine Wave	6000-40,000	4.32	3.60	3.27	2.97

EARPHONES

* Not designed for use with Earphone Support

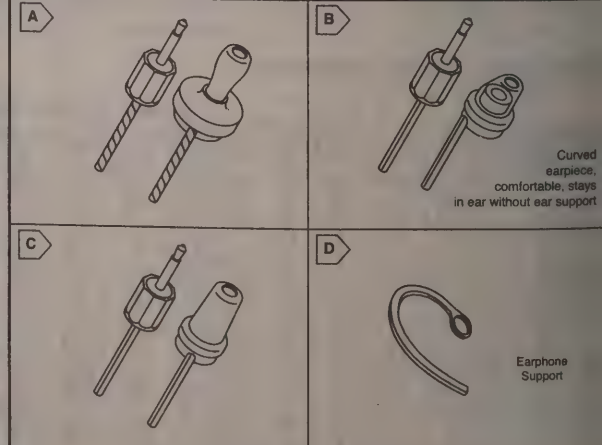
** Includes Earphone Support

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Impedance (Ω)	Plug	Cord Length (Ft)	Color	Price Each 1	25	50	100
*25CR025	A	Ceramic	20M min.	2.5mm	3	Tan	2.03	1.69	1.54	1.40
*25CR035	A	Ceramic	20M min.	3.5mm	3	Tan	2.03	1.69	1.54	1.40
*25CR060	A	Ceramic	20M min.	Tinned	3	Tan	1.85	1.54	1.39	1.27
25DE024	B	Dynamic	8±20%	2.5mm	6	Gray	1.40	1.09	.99	.90
*25DE025	C	Dynamic	8±20%	2.5mm	3	White	.80	.67	.61	.55
*25DE026	C	Dynamic	8±20%	2.5mm	6	White	1.03	.83	.76	.69
*25DE027	C	Dynamic	8±20%	2.5mm	3	Black	.80	.67	.61	.55
**25DE128	C	Dynamic	15±20%	2.5mm	6	Flesh	1.48	1.23	1.11	1.01
25DE034	B	Dynamic	8±20%	3.5mm	6	Gray	1.30	1.08	.99	.90
25DE035	B	Dynamic	8±20%	3.5mm	3	Gray	1.21	1.01	.92	.84
**25DE136	C	Dynamic	8±20%	3.5mm	3	Flesh	1.27	1.06	.96	.88
**25DE138	C	Dynamic	15±20%	3.5mm	6	Flesh	1.63	1.36	1.24	1.13
**25DE139	C	Dynamic	1K±20%	3.5mm	3	Flesh	1.63	1.36	1.24	1.13

Earphone Support

MOUSER STOCK NO.	Fig.	Description	Price Each 1	25	50	100
25DE001	D	White ear support	.11	.09	.06	.052

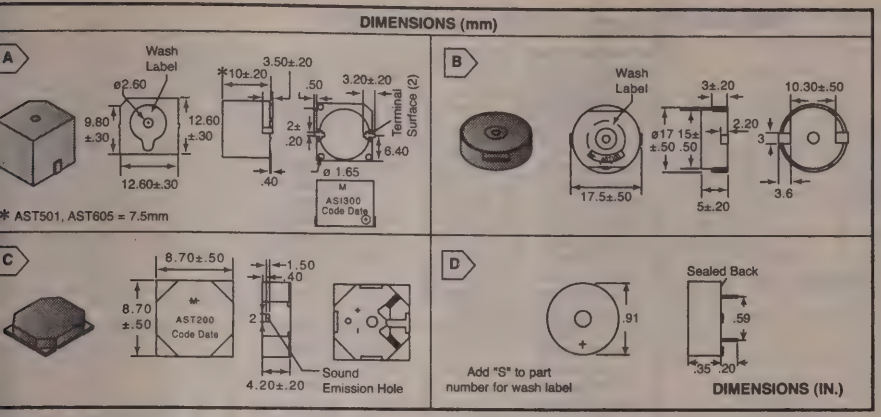


MOUSER ELECTRONICS a ttl company

(800) 346-6873

MALLORY SONALERT® Audible Alarms and Buzzers

MALLORY



SONALERT II™ - SURFACE MOUNT (WITH AND WITHOUT CIRCUITRY)

MOUSER STOCK NO.	Fig.	Resonate/ Oscillating Frequency (Hz)	Rated Voltage Vpp	Operating Voltage (max.)	Sound Pressure dB (min.)	Current Consumption (max.)	Price Each 1	25	50
39-ASI301	A	2300 +/-300 Hz	5 VDC	4~7 VDC	90 dB	30 mA	4.85	4.45	4.10
39-ASI401	A	2300 +/-300 Hz	12 VDC	9~15 Vpp	90 dB	50 mA	4.85	4.45	4.10
39-AST100	B	4000 +/-500 Hz	5 Vpp	15 Vpp	80 dB	1.5 mA	1.90	1.70	1.53
39-AST200	C	2700 +/-500 Hz	3 Vpp	2~5 Vpp	80 dB	80 mA	4.68	4.18	3.76
39-AST501	A	2400 +/-500 Hz	1.5 Vpp	1~2 Vpp	85 dB	70 mA	3.80	3.40	3.06
39-AST605	A	2400 +/-500 Hz	5 Vpp	4~7 Vpp	87 dB	50 mA	3.17	2.92	2.67

SONALERT® • Board mount with circuitry • Low profile and compact • Piezo tone quality • Made in the USA

MOUSER STOCK NO.	Fig.	Frequency	Minimum Sound Pressure (dB/2 ft.)	Rated Voltage	Maximum Current	Price Each 1	25	50	100
39-MSR320	D	3.40KHz ± .4KHz	75 @ 12V	3-20VDC	3-16mA @ 3-20VDC	4.74	4.26	3.53	3.23
39-MSR320S	D	3.40KHz ± .4KHz	62 @ 3V	3-20VDC	3-16mA @ 3-20VDC	3.85	3.54	3.24	2.93
39-MSR516N	D	3.90KHz ± .4KHz	85 @ 12V	5-16VDC	3-16mA @ 5-16VDC	5.18	4.29	3.98	3.63
39-MSO320	E	3.15KHz ± .4KHz	75 @ 12V	3-20VDC	3-16mA @ 3-20VDC	4.18	3.97	3.78	2.52
39-MAS800	F	2.8KHz ± .5KHz	103 @ 12V	9-12VDC	50mA @ 12VDC	7.20	6.98	6.11	5.45
39-MAS800S	F	2.8KHz ± .5KHz	103 @ 12V	9-12VDC	50mA @ 12VDC	7.29	7.07	6.19	5.53
39-MAS803	F	2.8KHz ± .5Hz	95 @ 3V	3-7VDC	130mA @ 7VDC	8.01	6.87	5.73	5.50
39-MAS806	F	2.8KHz ± .5Hz	95 @ 6V	5-14VDC	50mA @ 14VDC	8.75	7.50	6.25	5.63

SONALERT® INTERMITTENT TONES

MOUSER STOCK NO.	Fig.	Mounting Method	Freq. ±500 (Hz)	Operating Voltage · AC/DC Non-Polar All others DC only Min.	Max.	Sound Pressure dB (A) @ 2 ft. @ V Min.	@ V Max.	Typical Operating Current (mA) @ Min. V	@Max. V	Price Each 1	25	50
Fast Pulse												
39-SC616NP	G	Panel	2900	6	16	80	95	4	16	22.80	20.26	18.75
39-SC628P	H	Panel	2900	6	28	68	80	6	22	23.83	21.18	19.60
39-SC110P	H	Panel	2900	· 30	· 120	68	80	6	21	37.60	33.42	30.92
Slow Pulse												
39-SC616NJ	G	Panel	2900	6	16	80	95	4	16	22.80	20.26	18.75
39-SC628J	H	Panel	2900	6	28	68	80	6	22	23.92	21.26	19.67
39-SC110NJ	H	Panel	2900	· 30	· 120	80	95	8	28	39.18	34.82	32.21
39-SC110J	H	Panel	2900	· 30	· 120	68	80	6	21	37.71	33.52	31.01
Chime Tone												
39-SC616CP	H	Panel	2900	6	16	68	78	3	8	28.00	25.20	22.90
Chirp												
39-SC110Q	G	Panel	2900	30AC	120AC	68	80	6	22	19.19	17.27	15.70

SONALERT® CONTINUOUS TONES • Medium loudness

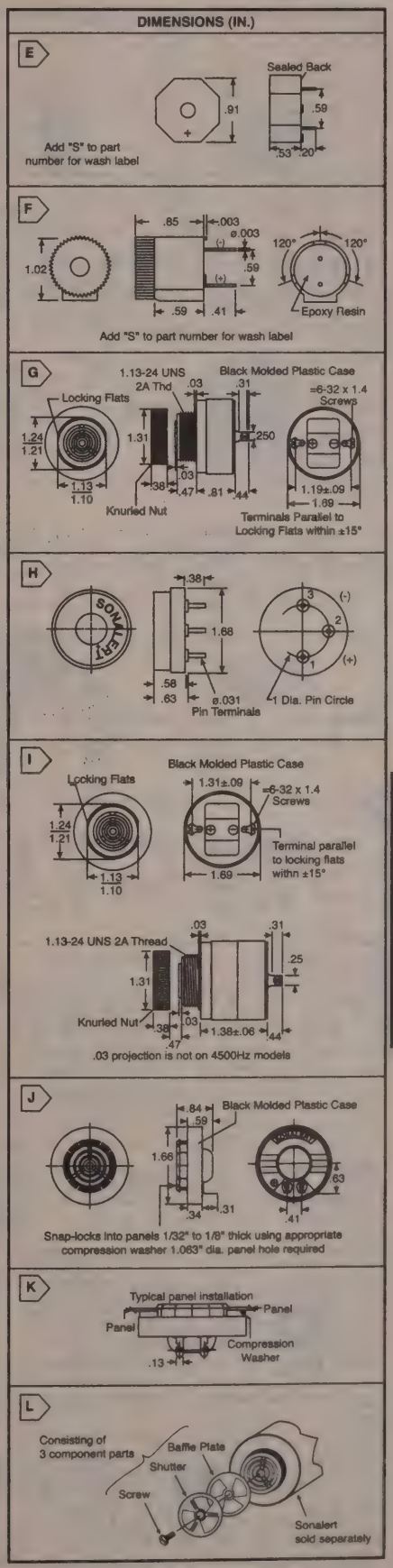
MOUSER STOCK NO.	Fig.	Mounting Method	Freq. ±500 (Hz)	Operating Voltage · AC/DC Non-Polar All others DC only Min.	Max.	Sound Pressure dB (A) @ 2 ft. @ V Min.	@ V Max.	Typical Operating Current (mA) @ Min. V	@Max. V	Price Each 1	25	50
539-SBM428	I	PC Board	2900	4	28	64	78	3	16	19.13	17.76	15.71
539-SC105	G	Panel	2900	1	5	60	75	3	16	14.28	12.85	11.68
539-SC307N	G	Panel	2900	3	7	80	90	3	8	20.02	18.02	16.38
539-SC628	G	Panel	2900	6	28	68	80	3	18	14.28	12.85	11.68
539-SC628A	H	Panel	2900	· 6	· 28	68	80	6	23	24.87	22.39	20.36
539-SC628AN	H	Panel	2900	6	28	80	95	8	28	30.65	27.86	25.08
539-SC628D	G	Panel	1900	6	28	60	75	6	23	17.15	15.78	14.41
539-SC628N	G	Panel	2900	6	28	80	90	3	14	15.63	14.06	12.78
539-SC616N	G	Panel	2900	· 6	· 16	80	95	4	16	15.48	15.07	14.23
539-SC110	H	Panel	2900	· 30	· 120	68	80	6	21	28.38	25.80	23.22
539-SC110N	H	Panel	2900	· 30	· 120	80	95	8	28	37.82	34.38	30.95
539-SNP428	J	Snap in	2900	· 4	· 28	64	78	3	18	13.95	12.83	11.72

COMPRESSION WASHERS • For mounting 539-SNP Series • Compression 5:1 • Size 1.06" I.D. x 1.50" O.D.

MOUSER STOCK NO.	Fig.	Material	Washer Thickness	Panel Thickness	Price Each 1	25	50	100
39-PW1	K	Black ester foam	.063	11-12 GA (.125-.109)	.18	.16	.15	.14
39-PW2	K	Black ester foam	.125	13-17 GA (.093-.056)	.34	.31	.28	.26
39-PW3	K	Black ester foam	.187	18-22 GA (.050-.031)	.45	.40	.37	.34

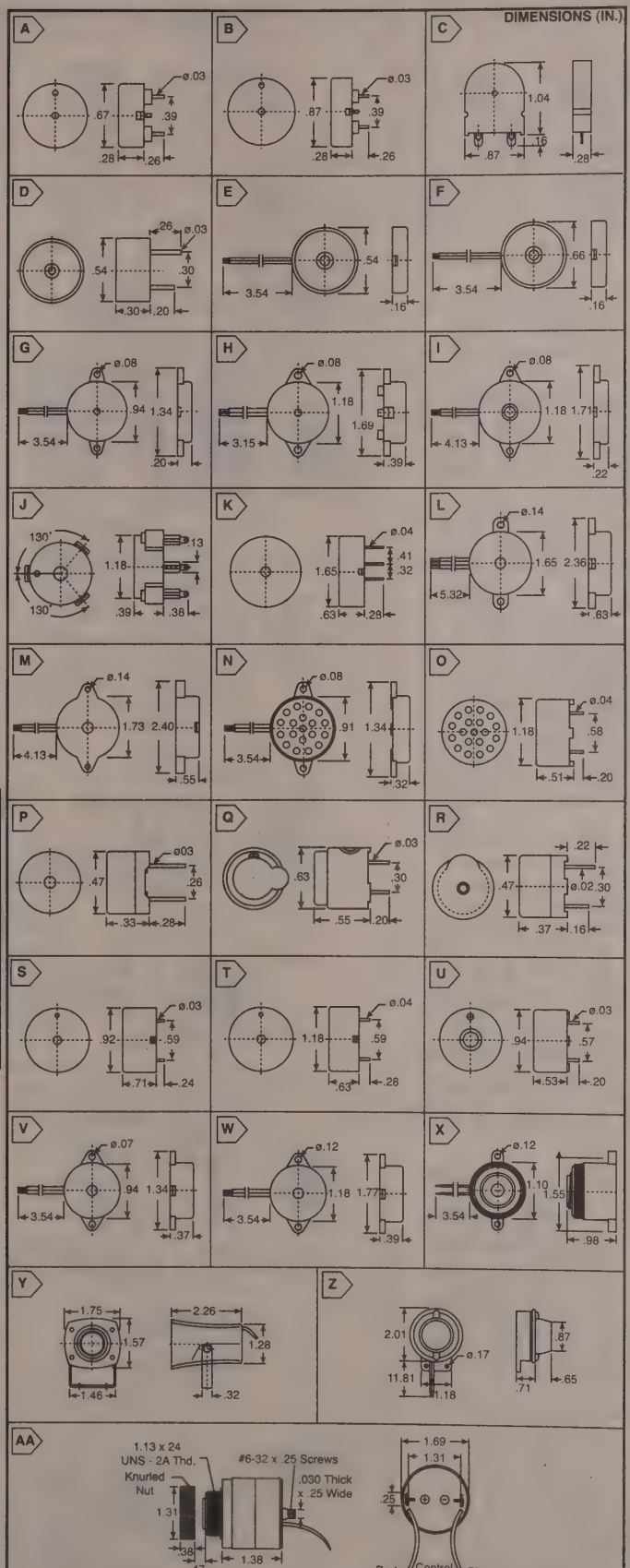
VOLUME CONTROL • Manual • Produces approximately -10dB to -15dB attenuation

39-SCVC	L	Black plastic	For SC series only	.96	.86	.72	.64



Mallory Sonalert

Audio



MALLORY PIEZO TRANSDUCERS

Mounted Piezo Transducers • No Circuitry

For quantities 100 and up, call for quot

MOUSER STOCK NO.	Fig.	No. of Pins / Leads	Resonant Frequency ±500 (Hz)	Operating Voltage (max.)	Current (max.) mA	Sound Pressure dB (min.)	Price Each 1	25	50
External Drive, No Feedback									
539-PT1540P	A	2 pins	4000	25Vp-p	1.5	85	1.30	1.12	1.01
539-PT2040P	B	2 pins	4000	30Vp-p	1.5	90	1.98	1.49	1.27
539-PT2020P	C	2 pins	2000	30Vp-p	1.5	80	1.65	1.48	1.33
539-PT1240P	D	2 pins	4100	20Vp-p	2.0	80	3.03	2.61	2.33
539-PT1250W	E	2 wires	4800	30Vp-p	1.5	80	1.97	1.71	1.53
539-PT1550W	F	2 wires	5000	25Vp-p	1.5	80	1.37	1.18	1.05
539-PT2060W	G	2 wires	6000	30Vp-p	1.5	90	1.27	1.10	.98
539-PT2725W	H	2 wires	2500	30Vp-p	1.5	90	1.06	.99	.96
539-PT2745W	I	2 wires	4500	30Vp-p	1.5	90	1.34	1.15	1.03
Self Drive, With Feedback									
539-PT2735FPL	J	3 pins	3500	3-28VDC	10	88	2.17	1.88	1.66
539-PT3529FP	K	3 pins	2900	3-28VDC	8	90	2.70	2.33	2.06
539-PT2038FW	G	3 wires	3800	3-28VDC	8	85	1.49	1.32	1.16
539-PT2065FW	G	3 wires	6500	3-28VDC	8	85	1.98	1.87	1.43
539-PT2745FW	I	3 wires	4000	3-28VDC	8	85	1.34	1.15	1.03
539-PT3529FW	L	3 wires	2900	3-28VDC	8	90	2.31	2.01	1.83
Telephone Ringer									
539-PT4175W	M	2 wires	750	40Vp-p	1.5	87	2.29	1.99	1.78

Audio Transducers, Miniature Speakers

For quantities 100 and up, call for quot

MOUSER STOCK NO.	Fig.	Type	Resonant Frequency ±200 (Hz)	Operating Voltage (max.)	Imped-ance (Ω)	Sound Pressure dB (min.)	Price Each 1	25	50
539-PB2015W	N	Cone	1500	2-5Vp-p	8.0	75	4.51	3.98	3.59
539-PB2712P	O	Cone	1250	2-5Vp-p	8.0	85	4.55	4.04	3.66

Electro-Magnetic Transducers, Small Size

For quantities 100 and up, call for quot

MOUSER STOCK NO.	Fig.	Rated Voltage (V)	Resonant Frequency (Hz)	Operating Voltage (V)	Current (max.) mA	Sound Pressure dB (min.)	Price Each 1	25	50
539-PB1220P	P	1.5	2048	1.25 - 2.5	40	85	1.88	1.75	1.38
539-PB1221P	P	1.5	2048	1.25 - 2.5	18	80	1.44	1.37	1.05
539-PB1621P	Q	5	2048	4-7	60	85	2.26	1.96	1.74
539-PB1622P	Q	12	2048	10-14	40	85	2.26	1.96	1.74

MALLORY ELECTRO-MAGNETIC INDICATORS Small Size • With Circuit

MOUSER STOCK NO.	Fig.	Rated Voltage (V)	Resonant Frequency (Hz)	Operating Voltage (V)	Current (max.) mA	Sound Pressure dB (min.)	Price Each 1	25	50
539-PB12N23P01	R	1	2300	1.25-2.5	25	80	4.63	4.42	3.80
539-PB12N23P05	R	5	2300	4.5-5.5	50	85	3.52	3.16	2.88
539-PB12N23P12	R	12	2300	9.0-15	50	85	3.52	3.19	2.69

MALLORY PIEZO INDICATORS • With Circuitry

For quantities 100 and up, call for quot

MOUSER STOCK NO.	Fig.	Pulse Rate	Oscillating Freq. ±.5 (kHz)	Oper. Voltage (VDC)	Current (max.) mA	Sound Pressure dB (min.)	Price Each 1	25	50
PC Mount, 2 Pins									
539-PK20A38P	S	Constant	3.8	3-24	15	95	4.63	4.42	3.80
539-PK20A25P	S	Constant	2.5	3-24	25	95	4.88	4.67	4.08
539-PK27A25PS	T	Constant	2.5	3-24	10	95	5.39	4.85	4.47
539-PK27A35PS	T	Constant	3.5	3-24	10	95	5.79	5.58	4.96
539-PK12N40P	D	Constant	4.1	3-15	10	83	4.23	3.81	3.47
539-PK21A31P	U	Constant	3.0	3-24	18	85	5.01	4.32	3.07
539-PF21A31P	U	Fast	3.0	3-24	18	85	7.81	7.10	6.81
539-PL21A31P	U	Slow	3.0	3-24	18	85	7.81	7.10	6.81
Flange Mount, 2 Wires									
539-PK21N30W	V	Constant	3.0	1.5-30	12	80	3.92	3.53	3.35
539-PK27N26W	W	Constant	2.5	3-28	15	90	4.47	4.05	3.75
539-PF27N36W	W	Fast	3.5	3-28	15	90	5.96	5.38	5.15
539-PL27N26W	W	Slow	2.5	3-28	15	90	6.27	5.66	5.40
539-PK27N36W	W	Constant	3.5	3-28	15	90	4.47	4.05	3.75
Flange Mount, 3 Wires									
539-PLD27N36W	W	Con.+Slow	3.5	3-28	12	90	7.56	6.80	6.05
Panel and Flange Mount, 2 Wires									
539-PK20A35EW	X	Constant	3.5	3-24	10	95	4.81	4.20	3.94
539-PF20A35EW	X	Fast	3.5	3-24	10	95	6.54	5.96	5.66
Panel and Flange Mount, 3 Wires									
539-PFD20A35EW	X	Con.+Fast	3.5	3-24	10	95	7.18	6.51	6.22

MALLORY PIEZOELECTRIC SIRENS • Extra Loud

For quantities 5 and up, call for quot

MOUSER STOCK NO.	Fig.	Tone	Operating Frequency (kHz)	Operating Voltage (VDC)	Current (max.) mA	Sound Pressure dB (min.)	Price Each 1	10	25
539-PS520	Y	Constant	3.0±.5	5-15	200	105	11.57	11.07	10.0
539-PS562	L	Hi-Low	2.5 / 3.5	5-15	40	100	6.51	6.23	5.6
539-PS983	Z	Sweep	1.5-3.5	5-15	150	105	11.78	11.27	10.2

MALLORY MULTI-TONES

The SC616WY tone patterns are pulsated high frequency, pulsated low frequency, and warble.

• Pulse rate per sec.: .5 - 1.2 • Operating temperature: -30°C to +65°C • Operating voltage: min. 6, max 1

For quantities 100 and up, call for quot

MOUSER STOCK NO.	Fig.	Frequency ±500 (kHz) Low	High	Sound Pressure dB (A) @ 2 ft. @ V Min.	@ V Max.	Typical Operating Current (mA) @ Min. V	@Max. V	Price Each 1	25	50
539-SC616WY	AA	1.75	3.0	60	72	2	18	51.60	47.47	43.34

MOUSER ELECTRONICS a TTI company

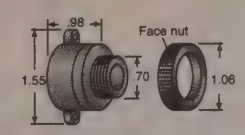
Piezo Alarms, Buzzers and Microspeakers

PIEZO-A-LERT

MOUSER STOCK NO.	Fig.	Description	Operating Voltage VDC		Sound Pressure dB (A) @ 2 ft.		Current Drain (mA)	Price Each			
			Min.	Max.	@ V Min.	@ V Max.		1	10	25	50
507-PAL328	A	W/out face nut	3.0DC	28.0DC	68	100	20	7.98	7.49	7.23	6.98
507-PAL328N	A	W/face nut	3.0DC	28.0DC	68	100	20	8.32	7.80	7.54	7.28
507-ESZ-25S	B	Single tone	3.0DC	28.0DC	68	100	20	10.56	9.90	9.57	9.24
507-ESZ-25B	B	Dual tone	3.0DC	28.0DC	68	100	20	14.03	13.16	12.72	12.27

DIMENSIONS (IN.)

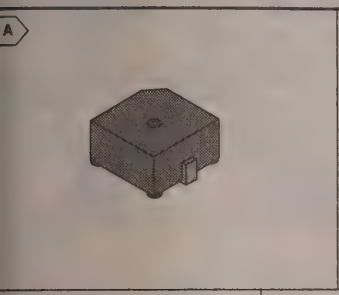
A

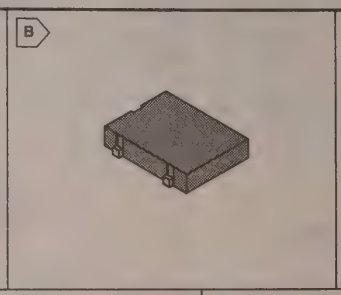


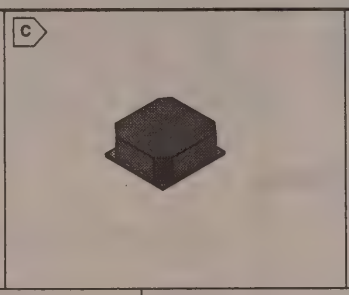
PAL328N Shown

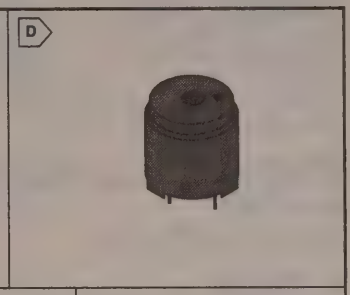
B

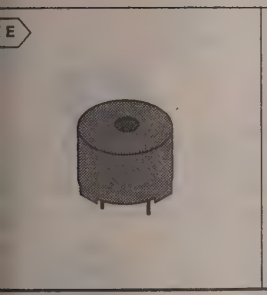
ESZ-25

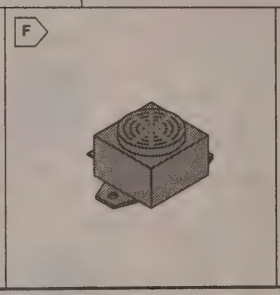


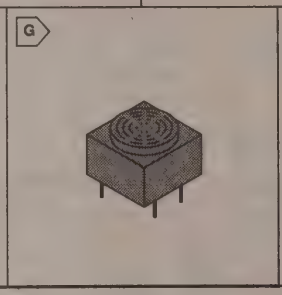


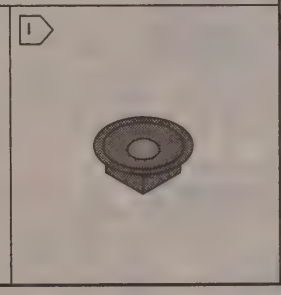












DIGISOUND BUZZERS

NEW SUPPLIER

SMT Buzzer Applications:
- Automotive
- PCB
- Industrial

Magnetic Buzzer with Oscillator Applications:
- Industrial
- Office Equipment
- Automotive

Mechanical Buzzer Applications:
- Industrial
- Security

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Digisound Part No.	Fig.	Resonant Frequency	Rated Voltage	dBA @ 10 cm (typ.)	Dimensions (mm) L x W x H	Price Each			
							1	25	50	100
SMT Buzzer										
847-FSWI155	F/SWI-155	A	2300 ± 300	1.5	± 85	12.8 X 12.8 X 10.0	1.88	1.73	1.58	1.50
847-FSWI165	F/SWI-165	A	2300 ± 300	12	± 85	12.8 X 12.8 X 10.0	1.88	1.73	1.58	1.50
847-FSWT-08	F/SWT-08	A	2400	5	± 90	12.8 X 12.8 X 10.0	1.50	1.38	1.26	1.20
847-FSWT-09	F/SWT-09	A	2400	12	± 90	12.8 X 12.8 X 10.0	1.50	1.38	1.26	1.20
847-FBM1212ESB	F-B-M1212ESB	A	2000	12	± 95	12.8 X 12.8 X 10.0	1.50	1.38	1.26	1.20
847-FBM1212ESL	F-B-M1212ESL	A	2000	12	± 95	12.8 X 12.8 X 10.0	1.50	1.38	1.26	1.20
847-FSMD-01A	F/SMD-01A	B	3200	1.5	± 85	14.0 X 11.0 X 3.5	1.88	1.73	1.58	1.50
847-FSMD-03A	F/SMD-03A	B	3200	3	± 87	14.0 X 11.0 X 3.5	1.88	1.73	1.58	1.50
847-FSMD8585JS	F/SMD 8585 JS	C	2730	3	± 85	8.5 X 8.5 X 3.6	1.63	1.50	1.37	1.30
Magnetic Buzzer with Oscillator										
847-FHCW-06	F/HCW-06	D	2200 ± 300	6	± 85	16.0 X 14.0	1.50	1.38	1.26	1.20
847-FHCW-12	F/HCW-12	D	2200 ± 300	12	± 85	16.0 X 14.0	1.50	1.38	1.26	1.20
847-FTCW-05	F/TCW-05	E	2300 ± 300	5	± 85	12.0 X 9.5	1.35	1.24	1.13	1.08
847-FTCW-12	F/TCW-12	E	2300 ± 300	12	± 85	12.0 X 9.5	1.35	1.24	1.13	1.08
Mechanical Buzzer										
847-FPWB-06	F/PWB-06	F	400	6	± 92	26.0 X 26.0 X 19.5	3.45	3.17	2.90	2.76
847-FPWB-12	F/PWB-12	F	400	12	± 92	26.0 X 26.0 X 19.5	3.45	3.17	2.90	2.76
847-FPWB-24	F/PWB-24	F	400	24	± 92	26.0 X 26.0 X 19.5	3.45	3.17	2.90	2.76
847-FYWB-06	F/YWB-06	G	400	6	± 95	26.0 X 26.0 X 19.5	3.45	3.17	2.90	2.76
847-FYWB-12	F/YWB-12	G	400	12	± 95	26.0 X 26.0 X 19.5	3.45	3.17	2.90	2.76
847-FYWB-24	F/YWB-24	G	400	24	± 95	26.0 X 26.0 X 19.5	3.45	3.17	2.90	2.76

DIGISOUND MICROSPEAKERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Digisound Part No.	Fig.	Resonant Frequency	Rated Voltage	dBA @ 10 cm (typ.)	Dimensions (mm) L x W x H	Price Each			
							1	25	50	100
847-FE36100	FE36100PC/W	H	450 ± 20%	100 ± 20%	90 ± 10%	42.5 X 39.6 X 6.0	1.63	1.50	1.37	1.30
847-FE5050	FE5050 PCS/W	I	360 ± 20%	50 ± 20%	48 ± 5%	50.0 X 18.2	1.13	1.04	.95	.90

PROJECTS UNLIMITED Audio Transducers & Elements

ELECTROMECHANICAL AUDIO TRANSDUCERS

Specifications:

- Surface mount transducers are compatible with convection, IR and vapor phase
- Resonant frequency is typical
- Externally driven-require driver circuit to operate
- Tone dependent upon driver circuit used

SMT Mount Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each 1	25	50	100
665-SMT-753	SMT-753	A	2830 Hz	3.6 Vp-p	100 mA	93	10.0 x 10.0 x 3.5	2.88	2.62	2.29	1.94
665-SMT-916	SMT-916	A	2730 Hz	3.6 Vp-p	100 mA	85	9.0 x 9.0 x 4.0	3.64	3.37	2.91	2.55
665-SMT-05	SMT-05	A	2700 Hz	5.0 Vdc	80mA	85	14.0 x 11.0 x 3.4	3.76	3.23	2.79	2.44

PCB Mount Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each 1	25	50	100
*665-AT-02	AT-02	D	2048 Hz	6 Vp-p	40 mA	85	ø16.0 x 14.0	1.43	1.30	1.14	1.08
665-MAT-001	MAT-001	D	3100 Hz	1.5 Vp-p	80 mA	85	ø9.6 x 6.5	4.84	4.40	3.85	3.25
665-AT-10Z	AT-10Z	E	2048 Hz	1.5 Vp-p	10 mA	85	ø12.0 x 8.5	.81	.74	.62	.54
*665-AT-08	AT-08	E	2400 Hz	5 Vp-p	40 mA	85	ø12.0 x 9.5	1.14	1.04	.91	.86
665-AT-101Z	AT-101Z	F	2048 Hz	1.5 Vp-p	10 mA	85	ø12.0 x 5.4	.73	.66	.58	.55

* Wave solderable and washable.

PIEZO AUDIO TRANSDUCERS

Specifications:

- Resonant frequency is typical
- Surface mount transducers are compatible with convection, IR and vapor phase
- Externally driven-require driver circuit to operate
- AT-121 has a third wire for feedback connection

SMT Mount Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each 1	25	50	100
665-SMT-1325	SMT-1325	B	4100 Hz	5 Vp-p	3 mA	75	12.8 x 12.8 x 2.5	2.05	1.86	1.63	1.38
665-SMT-1625	SMT-1625	B	4000 Hz	5 Vp-p	3 mA	70	16.0 x 16.0 x 2.5	1.80	1.64	1.44	1.22
665-SMT-2114A	SMT-2114A	C	4300 Hz	5 Vp-p	8 mA	90	14.8 x 14.2 x 10.7	3.15	2.86	2.50	2.11
665-SMT2118	SMT-2118	C	3000 Hz	5 Vp-p	7 mA	86	14.8 x 17.9 x 11.9	3.19	2.90	2.54	2.15

PCB Mount Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each 1	25	50	100
665-AT-124	AT-124	G	5800 Hz	5 Vp-p	2.5 mA	85	ø24.0 x 4.5	1.87	1.70	1.49	1.26
665-AT-132	AT-132	G	4600 Hz	5 Vp-p	1.8 mA	94	ø30.0 x 7.5	1.85	1.68	1.47	1.24
665-AT-138	AT-138	H	2800 Hz	12 Vp-p	8 mA	100	ø42.0 x 14.0	2.11	1.92	1.68	1.58
665-AT-148	AT-148	H	1300 Hz	10 Vp-p	11 mA	90	ø43.8 x 16.5	2.66	2.42	2.12	1.79
665-AT-17	AT-17	E	3800 Hz	5 Vp-p	1 mA	80	ø13.8 x 6.8	2.16	1.96	1.72	1.62
665-AT-20K	AT-20	G	4000 Hz	3 Vp-p	1 mA	85	ø24.0 x 7.3	1.30	1.18	1.03	.98
665-AT-22	AT-22	H	2800 Hz	12 Vp-p	8 mA	90	ø24.0 x 12.2	1.94	1.76	1.54	1.30
665-AT-23K	AT-23	I	3100 Hz	15 Vp-p	9 mA	94	ø28.5 x 6.2	2.35	2.14	1.87	1.58
665-AT-24K	AT-24	I	3600 Hz	15 Vp-p	8 mA	105	ø22.5 x 6.0	2.13	1.94	1.70	1.44
665-AT-33K	AT-33	I	2700 Hz	15 Vp-p	8 mA	96	ø23.6 x 8.1	3.56	3.24	2.84	2.40
665-AT-152	AT-152	J	4000 Hz	3 Vp-p	11 mA	80	ø16.5 x 4.0	1.30	1.18	1.03	.98
665-AT-2220-1	AT-2220-1	J	2048 Hz	10Vp-p	4mA	88	ø23.0 x 9.0	1.50	1.40	1.28	1.20

Flush and Flange Mount Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each 1	25	50	100
665-AT-150	AT-150	K	4000 Hz	3 Vp-p	11 mA	80	ø16.5 x 4.0	1.10	1.00	.88	.82
665-AT-12	AT-12	L	5500 Hz	15 Vp-p	----	95	ø24.0 x 4.0	1.76	1.50	1.31	1.11
665-AT-121	AT-121	M	5000 Hz	12 VDC	8 mA	95	ø24.0 x 5.2	1.23	1.12	.98	.84
665-AT-142	AT-142	M	750 Hz	5 Vp-p	-----	85	ø44.0 x 14.0	2.11	1.92	1.68	1.42
665-AT-15	AT-15	M	3900 Hz	15 Vp-p	----	105	ø30.0 x 5.1	1.21	1.10	.96	.81
665-AT-14	AT-14	N	3300	16 Vp-p	----	110	ø41.8 x 16.0	2.11	1.92	1.68	1.59
665-AT-173	AT-173	N	3700 Hz	12 VDC	7 mA	98	ø32.0 x 13.5	1.80	1.64	1.44	1.22
665-AT-130	AT-130	K	4800 Hz	10Vp-p	5mA	80	ø13.0 x 2.5	1.20	1.08	1.02	.96

PIEZO CERAMIC BENDERS (ELEMENTS)

Features:

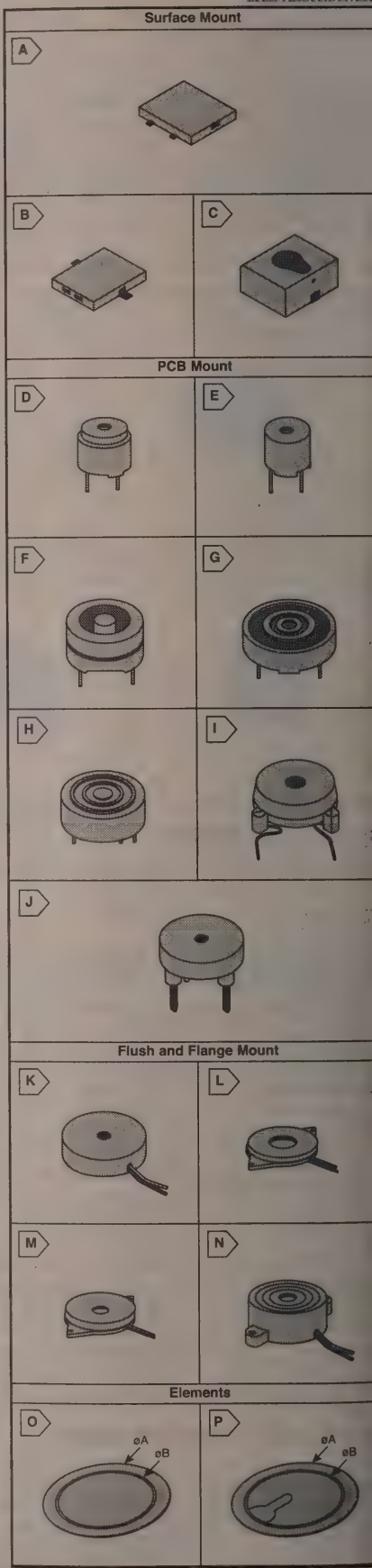
- Variety of tones available if connected to an IC (TTL or CMOS drive)

Applications:

- Appliances, office equipment, cameras, calculators, pagers, telephones.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Feedback Electrode	Resonant Freq. (Hz)	Input Volt.	Electrostatic Cap. (±30%)	Resonant Resist (max)	Dimensions (mm) øA	øB	Price Each 1	25	50
665-AB2065B	AB2065B	O	No	6500	30Vp-p	14 nF	500 Ohms	20.0 ± 0.1	15.0 ± 0.3	.20	.18	.16
665-KBI-2020	AB2020A	O	No	2000	20Vp-p	90 nF	300 Ohms	20.0 ± 0.1	15.0 ± 0.3	.53	.48	.42
665-AB2746B	AB2746B	O	No	4600	20Vp-p	16 nF	500 Ohms	27.0 ± 0.1	20.0 ± 0.4	.68	.62	.54
665-AB2745BF	AB2745BF	P	Yes	4500	20Vp-p	16 nF	500 Ohms	27.0 ± 0.1	20.0 ± 0.4	.75	.68	.60
665-KBI-2036F	AB2036AF	P	Yes	3700	30Vp-p	20 nF	500 Ohms	20.0 ± 0.1	15.0 ± 0.3	.86	.78	.68
665-KBI-1541	AB1541	O	No	4100	15Vp-p	8 nF	2000 Ohms	15.0 ± 0.1	8.9 ± 0.1	.97	.83	.72
665-KBI-2734	AB2734B	O	No	3400	30Vp-p	13 nF	1000 Ohms	27.0 ± 0.1	14.6 ± 0.5	.97	.83	.72
665-AB2737BF	AB2737BF	P	Yes	3700	20Vp-p	20 nF	400 Ohms	27.0 ± 0.1	20.0 ± 0.4	1.01	.92	.81
665-KBI-2727	AB2728B	O	No	2800	30Vp-p	30 nF	300 Ohms	27.0 ± 0.1	20.0 ± 0.5	1.08	.98	.86
665-AB2720B	AB2720B	O	No	2000	30Vp-p	45 nF	300 Ohms	27.0 ± 0.1	20.0 ± 0.5	1.21	1.10	.96
665-KBI-3526	AB3526B	O	No	2600	30Vp-p	30 nF	300 Ohms	35.0 ± 0.1	25.0 ± 0.5	1.21	1.10	.96
665-KBI-3529F	AB3529BF	P	Yes	2900	30Vp-p	25 nF	500 Ohms	35.0 ± 0.1	25.0 ± 0.5	1.25	1.14	1.00
665-AB2720BF	AB2720BF	P	Yes	2000	30Vp-p	35 nF	500 Ohms	27.0 ± 0.1	20.0 ± 0.3	1.54	1.40	1.23
665-KBI-4406	AB4406B	O	No	600	20Vp-p	70 nF	1000 Ohms	44.0 ± 0.1	25.0 ± 0.4	1.69	1.54	1.35
665-AB2040B	AB2040B	O	No	4000	30Vp-p	25 nF	500 Ohms	20.0 ± 0.1	15.0 ± 0.3	.18	.17	.14
665-AB2038BF	AB2038BF	P	Yes	3800	30Vp-p	17 nF	350 Ohms	20.0 ± 0.1	15.0 ± 0.5	.72	.56	.48



MOUSER ELECTRONICS a tti company

(800) 346-6873

projects unlimited
AUDIO PRODUCTS DIVISION

ELECTROMECHANICAL AUDIO INDICATORS

ecifications:
elf-contained drive circuitry-only require DC voltage supply to turn on
ontinuous tone

Wave solderable and washable. † Lead Free

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part Number	Fig.	Resonant Frequency	Rated Voltage	Rated Current	dBA @ 10 cm (typ.)	Dimen. (mm)	Price Each 1	25	50	100
PCB Mount Type											
665-AI-155	AI-155	A	2300 Hz	5 VDC	30 mA	85	ø12 x 9.5	2.64	2.40	2.10	1.99
665-AI-165	AI-165	A	2300 Hz	12 VDC	30 mA	85	ø12 x 9.5	2.64	2.40	2.10	1.99
665-AI-185	AI-185	B	2200 Hz	5 VDC	30 mA	85	ø16 x14	3.12	2.84	2.49	2.10
665-AI-195	AI-195	B	2200 Hz	12 VDC	30 mA	85	ø16 x14	2.79	2.54	2.22	1.87
665-AI-1223TWT12VR	AI-1223-TWT-12-VR	C	2300±400	12 VDC	30 mA	85	ø12 x 9.5	2.70	2.40	2.28	1.99
665-AI-1622TWT12VR	AI-1622-TWT-12VR	D	2200±300	12 VDC	30 mA	85	ø16 x 14.0	2.86	2.54	2.41	1.87
665-AI-1622WT5VR	AI-1622-TWT-5VR	D	2200±300	5 VDC	30 mA	85	ø16 x 14.0	3.20	2.84	2.70	2.10
665-AI-1223TWT5VR	AI-1223-TWT-5V-R	C	2300±300	5 VDC	30 mA	85	ø12 x 9.5	2.70	2.40	2.28	1.99
Flange Mount Type											
665-AI-606	AI-606	M	400 Hz	6 VDC	22 mA	89	ø26 x16.2	3.92	3.56	3.12	2.64
665-AI-612	AI-612	M	400 Hz	12 VDC	50 mA	89	ø26 x16.2	3.92	3.56	3.12	2.64
665-AI-624	AI-624	M	400 Hz	24 VDC	25 mA	92	ø26 x16.2	3.92	3.56	3.12	2.64

PIEZO AUDIO INDICATORS

ecifications:
elf-contained drive circuitry - only require DC voltage supply to turn on.
C voltages listed are non-polar
I-400, X-10P have ceramic elements

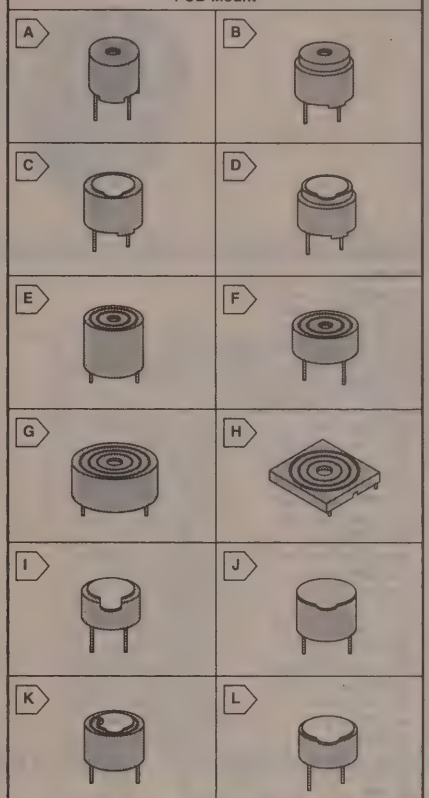
- AI-256/258 have black ABS case
- AI-3120S has continuous/pulsing tone, depending on wiring combination used

Wave solderable and washable. † Lead Free

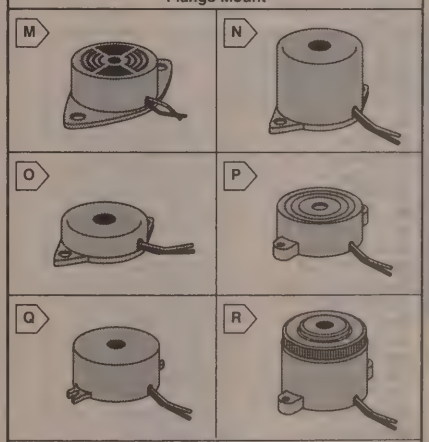
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part Number	Fig.	Resonant Frequency	Rated Voltage	Rated Current	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each 1	25	50	100
PCB Mount Type - Continuous Tone											
665-AI-175	AI-175	A	4000 Hz	12 VDC	5.8 mA	80	ø13.8 x 7.5	3.17	2.88	2.52	2.38
665-X-80	X-80	B	2900 Hz	12VDC	35 mA	107	ø25 x 22.8	4.03	3.81	3.59	3.43
665-AI-254K	AI-254	E	3700 Hz	12 VDC	8 mA	100	ø24 x 18	3.23	2.94	2.57	2.43
665-AI-254H	AI-254H	E	3800 Hz	12 VDC	8 mA	95	ø24 x 18	4.44	4.04	3.54	2.99
665-AI-254KS	AI-254S	E	3700 Hz	12 VDC	8 mA	100	ø24 x 18	4.03	3.66	3.20	3.03
665-AI-256K	AI-256	F	3100 Hz	12 VDC	15 mA	85	ø23.3 x 10.2	2.68	2.44	2.14	2.02
665-AI-258	AI-258	F	3200 Hz	12 VDC	13 mA	85	ø23.3 x 10.2	3.15	2.86	2.50	2.11
665-AI-278	AI-278	F	1800 Hz	12 VDC	13 mA	87	ø30 x 17.5	3.81	3.46	3.03	2.56
665-AI-400K	AI-400	G	2800 Hz	12 VDC	10 mA	99	ø42 x 14	3.26	2.96	2.59	2.45
665-AI-550	AI-550	E	2900 Hz	12 VDC	8 mA	90	ø23.8 x 16	2.77	2.52	2.21	2.08
665-AI-550KS	AI-550S	E	2900 Hz	12 VDC	8 mA	90	ø23.8 x 16	3.45	3.14	2.75	2.60
665-AI-550KA	AI-550A	E	2900 Hz	12 VDC	8 mA	100	ø23.8 x 16	3.34	3.04	2.66	2.52
665-AI-550AS	AI-550AS	E	2900 Hz	12 VDC	8 mA	100	ø23.8 x 16	4.11	3.74	3.27	3.10
665-AI-550H	AI-550H	E	2900 Hz	12 VDC	10 mA	95	ø23.8 x 16	4.20	3.82	3.34	2.83
665-X10PK	X-10P	H	3300 Hz	12 VDC	8 mA	100	40 x 40 x 8.1	7.35	6.68	5.85	4.95
665-AI-1440TWT12VR	AI-1440-TWT-12VR	I	4000±500	12 VDC	7 mA	80	ø13.8 x 7.5	3.24	2.88	2.74	2.38
665-AI-2331TWTR	AI-2331-TWT-R	J	3100±500	12 VDC	15 mA	85	ø23.4 x 9.7	2.75	2.44	2.32	2.02
665-AI-2429TWTR	AI-2429-TWT-R	K	2900±500	12 VDC	8 mA	100	ø23.8 x 16.0	3.42	3.04	2.89	2.52
665-AI-2437TWTR	AI-2437-TWT-R	L	3700±500	12 VDC	8 mA	100	ø24.0 x 18.0	4.11	3.66	3.48	3.03
Flange Mount Type - Continuous Tone											
665-AI-250	AI-250	N	3700 Hz	12 VDC	8 mA	100	ø23 x 17	3.50	3.18	2.78	2.63
665-AI-250H	AI-250H	N	3500 Hz	12 VDC	12 mA	97	ø23 x 17	4.44	4.04	3.54	2.99
665-AI-251	AI-251	O	4500 Hz	12 VDC	5 mA	90	ø22 x 11	2.77	2.52	2.21	2.09
665-AI-430	AI-430	P	2800 Hz	12 VDC	7 mA	95	ø41.8 x 16	3.12	2.84	2.49	2.27
665-AI-431	AI-431	P	2800 Hz	12 VDC	10 mA	105	ø41.8 x 16	3.59	3.26	2.85	2.70
665-AI-431H	AI-431H	P	2800 Hz	12 VDC	15 mA	105	ø41.8 x 16	3.59	3.26	2.85	2.70
665-AI-3245TFLW95R	AI-3245-TFLW-95-R	N	4500±500	12 VDC	5 mA	90	ø32 x 10.8	2.84	2.52	2.39	2.09
665-AI-4228TFLW140R	AI-4228-TFLW-140-R	O	2800±500	12 VDC	10 mA	105	ø60 x 10	3.66	3.26	3.10	2.70
665-X-30	X-30	Q	3300 Hz	12 VDC	6 mA	106	ø40 x 23	6.93	6.30	5.51	4.67
665-XL-450	XL-450	R	3500 Hz	12 VDC	10 mA	100	ø28 x 25.4	4.93	4.48	3.92	3.32
Flange Mount Type - Fast Pulse Tone											
665-AI-433	AI-433	P	2800 Hz	12 VDC	10 mA	98	ø41.8 x 16	5.94	5.40	4.73	4.47
665-XL-451	XL-451	R	3500 Hz	12 VDC	10 mA	95	ø28 x 25.4	6.69	6.08	5.32	4.51
Panel Mount Type - Continuous Tone											
665-AI-3120D	AI-3120D	S	2900 Hz	12 VDC	25 mA	90	ø33.5 x 34.5	10.12	9.20	8.05	6.81
665-AI-3120S	AI-3120S	S	2900 Hz	12 VDC	30 mA	95	ø33.5 x 34.5	8.23	7.48	6.55	5.55
665-AI-380K	AI-380	T	2800 Hz	12 VDC	18 mA	105	ø43 x 43.5	9.04	8.22	7.19	6.80
665-AI-382	AI-382	T	2800 Hz	120 VDC	18 mA	105	ø43 x 43.5	13.64	12.40	10.85	10.26
665-AI-383	AI-383	T	2800 Hz	12 VDC	7 mA	91	ø43 x 43.5	18.39	16.72	14.63	12.39
665-AI-390	AI-390	U	2900 Hz	24 VDC	15 mA	85	ø42 x 20.5	5.06	4.60	4.03	3.41
665-AI-750S	AI-750S	V	3600 Hz	12 VDC	8mA	90	ø36.5 x 23.6	12.50	11.36	9.94	9.37
665-X-20	X-20	W	2800 Hz	32 VDC	22 mA	105	40 x 40 x 23	7.90	7.18	6.28	5.32
665-X70K	X-70	X	2800 Hz	6 VDC	20 mA	103	ø53 x 31	11.88	10.80	9.45	8.00
Panel Mount Type - Slow Pulse Tone											
665-AI-381P	AI-381P	T	2900 Hz	28 VDC	6 mA	88	ø43 x 43.5	9.92	9.02	7.89	7.46
665-XL-453	XL-453	X	3500 Hz	12 VDC	6 mA	97	ø28 x 25.4	6.69	6.08	5.32	4.51
Panel Mount Type - Fast Pulse Tone											
665-AI-381	AI-381	T	2900 Hz	12 VDC	6 mA	88	ø43 x 43.5	9.92	9.02	7.89	7.46
665-AI-384	AI-384	T	2800 Hz	220VAC/DC	16 mA	91	ø43 x 43.5	22.75	20.68	18.10	15.32
665-X-21	X-21	W	2800 Hz	32 VDC	18 mA	95	40 x 40 x 23	9.46	8.60	7.53	6.38

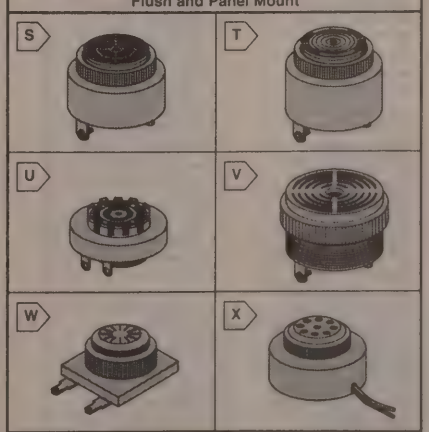
PCB Mount

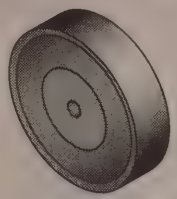


Flange Mount

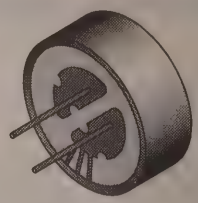


Flush and Panel Mount





Bullseye



Pin

OMNI-DIRECTIONAL BULLSEYE ELECTRET CONDENSER MICROPHONES

Features:

- Standard Supply Voltage: 2VDC
- Signal-Noise Ratio: >60dB
- Terminal Type: Bullseye

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Projects Unlimited Part No.	Dimensions	Sensitivity	Maximum Impedance	Power Supply	Price Each			
						1	25	50	100
665-TOM-1045S-C33	TOM-1045S-C33	4 x 1.0	-45 ±3 dB	2.20 kOhm	2.0 Vdc	2.60	2.36	2.07	1.77
665-TOM-1145S-C33	TOM-1145S-C33	4 x 1.1	-42 ±3 dB	2.20 kOhm	2.0 Vdc	2.79	2.55	2.22	1.91
665-TOM-1245S-C33	TOM-1245S-C33	4 x 1.2	-42 ±3 dB	2.20 kOhm	2.0 Vdc	2.20	2.00	1.75	1.50
665-TOM-1545S-C33	TOM-1545S-C33	4 x 1.5	-45 ±3 dB	2.20 kOhm	2.0 Vdc	2.02	1.84	1.61	1.38
665-ROM-2238S-NF	ROM-2238S-NF	5.8 x 2.2	-44 ±3 dB	2.20 kOhm	2.0 Vdc	1.52	1.38	1.21	1.03
665-ROM-2244S-NF	ROM-2244S-NF	5.8 x 2.2	-47 ±3 dB	2.20 kOhm	2.0 Vdc	1.52	1.38	1.21	1.03
665-SOM-1547S	SOM-1547S	6 x 1.5	-44 ±3 dB	2.20 kOhm	2.0 Vdc	2.60	2.37	2.07	1.78
665-POM-1644S-NF	POM-1644S-NF	6 x 1.6	-44 ±3 dB	2.20 kOhm	2.0 Vdc	1.78	1.61	1.42	1.21
665-SOM-1844S	SOM-1844S	6 x 1.8	-45 ±3 dB	2.20 kOhm	2.0 Vdc	2.93	2.66	2.33	1.97
665-POM-2240S	POM-2240S	6 x 2.2	-40 ±3 dB	2.20 kOhm	2.0 Vdc	1.74	1.58	1.38	1.16
665-POM-2242S	POM-2242S	6 x 2.2	-42 ±3 dB	2.20 kOhm	2.0 Vdc	1.74	1.58	1.38	1.16
665-POM-2244S	POM-2244S	6 x 2.2	-44 ±3 dB	2.20 kOhm	2.0 Vdc	1.74	1.58	1.38	1.16
665-POM-2244S-2	POM-2244S-2	6 x 2.2	-44 ±3 dB	2.20 kOhm	2.0 Vdc	1.52	1.38	1.21	1.03
665-POM-2246S	POM-2246S	6 x 2.2	-46 ±3 dB	2.20 kOhm	2.0 Vdc	1.74	1.58	1.38	1.16
665-POM-2246S-2	POM-2246S-2	6 x 2.2	-46 ±3 dB	2.20 kOhm	2.0 Vdc	1.52	1.38	1.21	1.03
665-POM-2740S	POM-2740S	6 x 2.7	-42 ±3 dB	2.20 kOhm	2.0 Vdc	1.50	1.36	1.19	1.01
665-POM-2742S	POM-2742S	6 x 2.7	-44 ±3 dB	2.20 kOhm	2.0 Vdc	1.50	1.36	1.19	1.01
665-POM-2744S	POM-2744S	6 x 2.7	-46 ±3 dB	2.20 kOhm	2.0 Vdc	1.50	1.36	1.19	1.01

OMNI-DIRECTIONAL PIN ELECTRET CONDENSER MICROPHONES

Features:

- Standard Supply Voltage: 2VDC
- Signal-Noise Ratio: >60dB
- Terminal Type: Pin

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	Projects Unlimited Part No.	Dimensions	Sensitivity	Maximum Impedance	Power Supply	Price Each			
						1	25	50	100
665-TOM-1545P	TOM-1545P	4 x 1.5	-45 ± 3 dB	2.20 kOhm	2.0 Vdc	2.02	1.84	1.61	1.38
665-ROM-2238P-NF	ROM-2238P-NF	5.8 x 2.2	-44 ± 3 dB	2.20 kOhm	2.0 Vdc	1.61	1.46	1.28	1.09
665-ROM-2244P-NF	ROM-2244P-NF	5.8 x 2.2	-47 ±3 dB	2.20 kOhm	2.0 Vdc	1.61	1.46	1.28	1.09
665-SOM-1547P	SOM-1547P	6 x 1.5	-44 ±3 dB	2.20 kOhm	2.0 Vdc	2.60	2.37	2.07	1.78
665-POM-1644P-NF	POM-1644P-NF	6 x 1.6	-44 ± 3 dB	2.20 kOhm	2.0 Vdc	1.85	1.69	1.47	1.27
665-POM-2246P-2	POM-2246P-2	6 x 2.2	-46 ±3 dB	2.20 kOhm	2.0 Vdc	1.61	1.46	1.28	1.09
665-POM-2240P	POM-2240P	6 x 2.2	-40 ±3 dB	2.20 kOhm	2.0 Vdc	1.74	1.58	1.38	1.16
665-POM-2242P	POM-2242P	6 x 2.2	-42 ±3 dB	2.20 kOhm	2.0 Vdc	1.74	1.58	1.38	1.16
665-POM-2244P	POM-2244P	6 x 2.2	-44 ±3 dB	2.20 kOhm	2.0 Vdc	1.74	1.58	1.38	1.16
665-POM-2244P-2	POM-2244P-2	6 x 2.2	-44 ± 3 dB	2.20 kOhm	2.0 Vdc	1.61	1.46	1.28	1.09
665-POM-2246P	POM-2246P	6 x 2.2	-46 ±3 dB	2.20 kOhm	2.0 Vdc	1.74	1.58	1.38	1.16
665-POM-2735P	POM-2735P	6 x 2.7	-38 ± 3 dB	2.20 kOhm	2.0 Vdc	.66	.59	.53	.44
665-POM-2738P	POM-2738P	6 x 2.7	-40 ±3 dB	2.20 kOhm	2.0 Vdc	1.52	1.38	1.21	1.03
665-POM-2740P	POM-2740P	6 x 2.7	-42 ±3 dB	2.20 kOhm	2.0 Vdc	1.50	1.36	1.19	1.01
665-POM-2742P	POM-2742P	6 x 2.7	-42 ±3 dB	2.20 kOhm	3.0 Vdc	1.50	1.36	1.19	1.01
665-POM-2742P-2	POM-2742P-2	6 x 2.7	-42 ±3 dB	2.20 kOhm	2.0 Vdc	1.52	1.38	1.21	1.03
665-POM-2746P	POM-2746P	6 x 2.7	-42 ± 3 dB	2.20 kOhm	2.0 Vdc	1.52	1.38	1.21	1.03
665-POM-2744P	POM-2744P	6 x 2.7	-44 ± 3 dB	2.20 kOhm	2.0 Vdc	1.50	1.36	1.19	1.01
665-POM-3042P	POM-3042P	6 x 3.0	-44 ± 3 dB	2.20 kOhm	2.0 Vdc	1.52	1.38	1.21	1.03
665-POM-3044P	POM-3044P	6 x 3.0	-46 ±3 dB	2.20 kOhm	2.0 Vdc	1.52	1.38	1.21	1.03
665-POM-3046P	POM-3046P	6 x 3.0	-42 ±3 dB	2.20 kOhm	2.0 Vdc	1.52	1.38	1.21	1.03
665-POM-3542P	POM-3542P	6 x 3.5	-44 ±3 dB	2.20 kOhm	2.0 Vdc	1.47	1.34	1.17	1.01
665-POM-3544P	POM-3544P	6 x 3.5	-46 ± 3 dB	2.20 kOhm	2.0 Vdc	1.47	1.34	1.17	1.01
665-POM-3546P	POM-3546P	6 x 3.5	-38 ± 3 dB	2.20 kOhm	2.0 Vdc	1.47	1.34	1.17	1.01
665-PUM-5050P-2	PUM-5050P-2	6 x 5.0	-38 ±3 dB	2.20 kOhm	2.0 Vdc	2.60	2.37	2.07	1.78
665-POM-5238P	POM-5238P	6 x 5.2	-42 ±3 dB	2.20 kOhm	2.0 Vdc	.97	.88	.77	.66
665-POM-5242P	POM-5242P	6 x 5.2	-46 ±3 dB	2.20 kOhm	2.0 Vdc	.97	.88	.77	.66
665-AOM-6540P	AOM-6540P	9.4 x 6.5	-40 ±2 dB	1.50 kOhm	1.5 Vdc	.73	.66	.58	.48
665-AOM-6545P	AOM-6545P	9.4 x 6.5	-45 ±2 dB	1.00 kOhm	4.5 Vdc	.88	.81	.70	.60
665-AOM-4540P	AOM-4540P	9.7 x 4.5	-40 ±3 dB	2.20 kOhm	1.5 Vdc	.88	.81	.70	.60
665-AOM-4540P-NF	AOM-4540P-NF	9.7 x 4.5	-40 ±3 dB	2.20 kOhm	1.5 Vdc	.88	.81	.70	.60
665-AOM-4542P	AOM-4542P	9.7 x 4.5	-42 ±3 dB	2.20 kOhm	1.5 Vdc	.88	.81	.70	.60
665-AOM-4542P-NF	AOM-4542P-NF	9.7 x 4.5	-42 ±3 dB	2.20 kOhm	1.5 Vdc	.88	.81	.70	.60
665-AOM-4544P	AOM-4544P	9.7 x 4.5	-44 ±2 dB	2.20 kOhm	3.0 Vdc	.62	.56	.49	.42
665-AOM-4544P-2	AOM-4544P-2	9.7 x 4.5	-44 ± 2 dB	2.20 kOhm	1.5 Vdc	.88	.81	.70	.60
665-AOM-4544P-3	AOM-4544P-3	9.7 x 4.5	-44 ±2 dB	3.00 kOhm	1.5 Vdc	.88	.81	.70	.60
665-AOM-4544P-NF	AOM-4544P-NF	9.7 x 4.5	-44 ±2 dB	2.20 kOhm	1.5 Vdc	.88	.81	.70	.60
665-AOM-4546P	AOM-4546P	9.7 x 4.5	-46 ±3 dB	2.20 kOhm	1.5 Vdc	.88	.81	.70	.60
665-AOM-4546P-NF	AOM-4546P-NF	9.7 x 4.5	-46 ±3 dB	2.20 kOhm	1.5 Vdc	.88	.81	.70	.60
665-AOM-6738P	AOM-6738P	9.7 x 6.7	-38 ±3 dB	2.20 kOhm	1.5 Vdc	.88	.81	.70	.60
665-AOM-6742P-2	AOM-6742P-2	9.7 x 6.7	-42 ± 3 dB	2.20 kOhm	1.5 Vdc	.88	.81	.70	.60
665-AOM-6746P	AOM-6746P	9.7 x 6.7	-46 ±3 dB	2.20 kOhm	1.5 Vdc	.88	.81	.70	.60

PROJECTS UNLIMITED Electret Condenser Microphones

projects unlimited
AUDIO PRODUCTS DIVISION

Pin

Solder Pad

MNI-DIRECTIONAL SOLDER PAD ELECTRET CONDENSER MICROPHONES

atures:
tandard Supply Voltage: 2VDC
ignal-Noise Ratio: >60dB
erminal Type: Solder Pad

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Projects Unlimited Part No.	Dimensions	Sensitivity	Maximum Impedance	Power Supply	Price Each			
						1	25	50	100
665-TOM-1242L-NF	TOM-1242L-NF	4 x 1.2	-45 ±3 dB	2.20 kOhm	2.0 Vdc	2.20	2.00	1.75	1.50
665-TOM-1545L	TOM-1545L	4 x 1.5	-45 ±3 dB	2.20 kOhm	2.0 Vdc	2.02	1.84	1.61	1.38
665-TOM-3044L	TOM-3044L	4.5 x 3	-44 ±3 dB	2.20 kOhm	2.0 Vdc	1.61	1.46	1.28	1.09
665-TOM-3046L	TOM-3046L	4.5 x 3	-46 ±3 dB	2.20 kOhm	2.0 Vdc	1.61	1.46	1.28	1.09
665-TOM-3050L	TOM-3050L	4.5 x 3	-50 ±3 dB	2.20 kOhm	2.0 Vdc	1.61	1.46	1.28	1.03
665-TNM-3054L	TNM-3054L	4.5 x 3.0	-45 ±3 dB	2.20 kOhm	2.0 Vdc	1.78	1.61	1.42	1.21
665-POM-1242L	POM-1242L	6 x 1.2	-42 ±3 dB	2.20 kOhm	2.0 Vdc	2.02	1.84	1.61	1.38
665-POM-1644L-NF	POM-1644L-NF	6 x 1.6	-44 ±3 dB	2.20 kOhm	2.0 Vdc	1.78	1.61	1.42	1.21
665-SOM-1844L	SOM-1844L	6 x 1.8	-44 ±3 dB	2.20 kOhm	2.0 Vdc	2.93	2.66	2.33	1.97
665-POM-2240L	POM-2240L	6 x 2.2	-40 ±3 dB	2.20 kOhm	2.0 Vdc	1.74	1.58	1.38	1.18
665-POM-2242L	POM-2242L	6 x 2.2	-42 ±3 dB	2.20 kOhm	2.0 Vdc	1.74	1.58	1.38	1.18
665-POM-2244L	POM-2244L	6 x 2.2	-44 ± 3 dB	2.20 kOhm	2.0 Vdc	1.74	1.58	1.38	1.18
665-POM-2246L	POM-2246L	6 x 2.2	-46 ±3 dB	2.20 kOhm	2.0 Vdc	1.74	1.58	1.38	1.18
665-POM-2738L	POM-2738L	6 x 2.7	-38 ±3 dB	2.20 kOhm	2.0 Vdc	1.43	1.30	1.14	.98
665-POM-2740L	POM-2740L	6 x 2.7	-40 ±3 dB	2.20 kOhm	2.0 Vdc	1.50	1.36	1.19	1.01
665-POM-2742L	POM-2742L	6 x 2.7	-42 ±3 dB	2.20 kOhm	2.0 Vdc	1.50	1.36	1.19	1.01
665-POM-2742L-2	POM-2742L-2	6 x 2.7	-42 ±3 dB	2.20 kOhm	2.0 Vdc	1.43	1.30	1.14	.98
665-POM-2744L	POM-2744L	6 x 2.7	-44 ±3 dB	2.20 kOhm	2.0 Vdc	1.50	1.36	1.19	1.01
665-POM-2746L	POM-2746L	6 x 2.7	-46 ±3 dB	2.20 kOhm	2.0 Vdc	1.43	1.30	1.14	.98
665-POM-3042L	POM-3042L	6 x 3.0	-44 ±3 dB	2.20 kOhm	2.0 Vdc	1.43	1.30	1.14	.98
665-POM-3044L	POM-3044L	6 x 3.0	-46 ±3 dB	2.20 kOhm	2.0 Vdc	1.43	1.30	1.14	.98
665-POM-3046L	POM-3046L	6 x 3.0	-42 ±3 dB	2.20 kOhm	2.0 Vdc	1.43	1.30	1.14	.98
665-POM-3542L	POM-3542L	6 x 3.5	-44 ±3 dB	2.20 kOhm	2.0 Vdc	1.39	1.27	1.10	.95
665-POM-3544L	POM-3544L	6 x 3.5	-46 ±3 dB	2.20 kOhm	2.0 Vdc	1.39	1.27	1.10	.95
665-POM-3546L	POM-3546L	6 x 3.5	-38 ± 3 dB	2.20 kOhm	2.0 Vdc	1.39	1.27	1.10	.95
665-PUM-5250L	PUM-5250L	6 x 5.2	-38 ± 3 dB	2.20 kOhm	2.0 Vdc	1.10	.99	.88	.75
665-POM-5238L	POM-5238L	6 x 5.2	-42 ±3 dB	2.20 kOhm	2.0 Vdc	.92	.84	.74	.63
665-POM-5242L	POM-5242L	6 x 5.2	-46 ± 3 dB	2.20 kOhm	2.0 Vdc	.92	.84	.74	.63
665-DOM-5242L	DOM-5242L	8 x 5.2	-42 ± 3 dB	2.20 kOhm	1.5 Vdc	.86	.78	.68	.59
665-DOM-5246L	DOM-5246L	8 x 5.2	-46 ±3 dB	2.20 kOhm	1.5 Vdc	.86	.78	.68	.59
665-BOM-6538L	BOM-6538L	9.4 x 6.5	-38 ±2 dB	1.00 kOhm	4.5 Vdc	.66	.59	.53	.44
665-AOM-6545L	AOM-6545L	9.4 x 6.5	-45 ± 2 dB	1.00 kOhm	4.5 Vdc	.84	.77	.67	.58
665-AOM-6738L	AOM-6738L	9.4 x 6.7	-38 ±3 dB	2.20 kOhm	1.5 Vdc	.84	.77	.67	.58
665-AOM-4540L	AOM-4540L	9.7 x 4.5	-40 ± 3 dB	2.20 kOhm	1.5 Vdc	.84	.77	.67	.57
665-AOM-4542L	AOM-4542L	9.7 x 4.5	-42 ±3 dB	2.20 kOhm	1.5 Vdc	.84	.77	.67	.58
665-AOM-4544L	AOM-4544L	9.7 x 4.5	-44 ±3 dB	2.20 kOhm	1.5 Vdc	.84	.77	.67	.58
665-AOM-4546L	AOM-4546L	9.7 x 4.5	-46 ±3 dB	2.20 kOhm	1.5 Vdc	.84	.77	.67	.58
665-AOM-5242L	AOM-5242L	9.7 x 5.2	-42 ±3 dB	2.20 kOhm	2.5 Vdc	.84	.77	.67	.58
665-AOM-5244L	AOM-5244L	9.7 x 5.2	-44 ±3 dB	1.00 kOhm	4.5 Vdc	.84	.77	.67	.58
665-AOM-6742L	AOM-6742L	9.7 x 6.7	-42 ±3 dB	2.20 kOhm	1.5 Vdc	.84	.77	.67	.58
665-AOM-6746L	AOM-6746L	9.7 x 6.7	-46 ±3 dB	2.20 kOhm	1.5 Vdc	.84	.77	.67	.58
665-AOM-5538L-NF	AOM-5538L-NF	10.0 x 5.5	-38 ±3 dB	2.20 kOhm	1.5 Vdc	.92	.84	.74	.63

NI-DIRECTIONAL ELECTRET CONDENSER MICROPHONES

atures:
tandard Supply Voltage: 2VDC
ignal-Noise Ratio: >60dB

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Projects Unlimited Part No.	Dimensions	Sensitivity	Maximum Impedance	Power Supply	Terminal Type	Price Each			
							1	25	50	100
665-PUM-3046L	PUM-3046L	6 x 3.0	-50 ±3 dB	2.20 kOhm	2.0 Vdc	Solder Pad	1.78	1.61	1.42	1.21
665-PUM-3546L	PUM-3546L	6 x 3.5	-50 ±4 dB	2.20 kOhm	2.0 Vdc	Solder Pad	1.78	1.61	1.42	1.21
665-POM-5246L	POM-5246L	6 x 5.2	-46 ±4 dB	2.20 kOhm	2.0 Vdc	Solder Pad	.92	.84	.74	.63
665-DUM-5246L	DUM-5246L	8 x 5.2	-46 ±4 dB	2.20 kOhm	2.0 Vdc	Solder Pad	1.39	1.27	1.10	.95
665-CUM-4537L	CUM-4537L	9.7 x 4.5	-37 ±3 dB	1.80 kOhm	1.5 Vdc	Solder Pad	2.66	2.43	2.12	1.82
665-AUM-5247L	AUM-5247L	9.7 x 5.2	-44 ± 4 dB	0.68 kOhm	1.5 Vdc	Solder Pad	1.30	1.17	1.03	.88
665-POM-5246P	POM-5246P	6 x 5.2	-46 ±4 dB	2.20 kOhm	2.0 Vdc	Pin	.97	.88	.77	.66

OISE CANCELING ELECTRET CONDENSER MICROPHONES

tures:
andard Supply Voltage: 2VDC
gnal-Noise Ratio: >60dB

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Projects Unlimited Part No.	Dimensions	Sensitivity	Maximum Impedance	Power Supply	Terminal Type	Price Each			
							1	25	50	100
665-SOM-1844P	SOM-1844P	6 x 1.8	-54 ±3 dB	2.20 kOhm	2.0 Vdc	Pin	2.93	2.66	2.33	1.97
665-PNM-2751L	PNM-2751L	6 x 2.7	-51 ±4 dB	2.20 kOhm	2.0 Vdc	Solder Pad	2.42	2.20	1.93	1.62
665-PNM-3546L	PNM-3546L	6 x 3.5	-46 ±4 dB	2.20 kOhm	2.0 Vdc	Solder Pad	1.61	1.46	1.28	1.09
665-PNM-5250L	PNM-5250L	6 x 5.2	-50 ±4 dB	2.20 kOhm	1.5 Vdc	Solder Pad	1.01	.92	.81	.69
665-ANM-5254L	ANM-5254L	9.7 x 5.2	-54 ±4 dB	0.68 kOhm	1.5 Vdc	Solder Pad	.92	.84	.74	.63

DYNAMIC SPEAKERS

• Variety of sizes • Variety of impedances • Light weight

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Shape	Terminal Type	Frequency Range (Hz)	Rated Input (W)	Imp (Ohms)	Dimensions (mm) H x W x L	Price Each			
									1	25	50	100
665-AS01832MR-S	AS01832MR-S	A	Round	Solder Pad	700 - 5500	0.25 W	32	3.6 x 18 x 18	3.04	2.84	2.49	2.13
665-AS02032MR	AS02032MR	A	Round	Solder Pad	840 - 4500	0.08 W	32	4.1 x 20 x 20	2.09	1.95	1.72	1.47
665-AS02332MR	AS02332MR	A	Round	Solder Pad	590 - 7000	0.1 W	32	2.9 x 23 x 23	1.46	1.36	1.19	1.02
665-AS02508CO	AS02508CO	B	Oval	Solder Pad	750 - 20000	1.5 W	8	4.5 x 14 x 25	2.72	2.55	2.22	1.91
665-AS02808MR-2	AS02808MR-2	A	Round	Solder Pad	600 - 20000	0.5 W	8	4.4 x 28 x 28	1.46	1.36	1.19	1.02
665-AS03008MR	AS03008MR	A	Round	Solder Pad	650 -15,000	0.5 W	8	4.8 x 30 x 30	5.38	5.03	4.41	3.78
665-AS04004MR	AS04004MR	A	Round	Solder Pad	600 - 7500	1.0 W	4	5.1 x 40 x 40	4.11	3.85	3.36	2.89
665-AS05704PR	AS05704PR	A	Round	Leads For Wires	450 - 4000	0.25 W	4	19 x 57 x 57	1.90	1.78	1.56	1.33
665-AS05708PR	AS05708PR	A	Round	Solder Pad	450 - 4000	0.5 W	8	13 x 57 x 57	2.09	1.95	1.72	1.47
665-AS07008PO	AS07008PO	B	Oval	Leads For Wires	100-20000	2.0 W	8	23 x 30.5 x 70	3.48	3.26	2.85	2.44
665-AS07104PO	AS07104PO	B	Oval	Leads For Wires	100 - 20000	3.0 W	4	25 x 41 x 71	2.22	2.07	1.82	1.55
665-AS10208PS	AS10208PS	A	Round	Leads For Wires	180 - 12000	4.0 W	8	48 x 102 x 102	5.38	5.03	4.41	3.78
665-AS11908PP	AS11908PP	-	Pinwheel	Leads For Wires	135 - 15000	2.0 W	8	42 x 119 x 119	5.19	4.86	4.25	3.64
665-AS1332-02	AS1332-02	A	Round	Solder Pad	700 - 5000	0.2 W	32	2.8 x 13 x 13	2.22	2.07	1.82	1.55
665-AS1508-33	AS1508-33	A	Round	Solder Pad	920 - 5000	0.5 W	8	2.9 x 15 x 15	2.47	2.31	2.01	1.73
665-AS2016-03	AS2016-03	A	Round	Solder Pad	600 - 7000	0.3 W	16	3 x 20 x 20	3.04	2.84	2.49	2.13
665-AS2308-31	AS2308-31	A	Round	Solder Pad	400 - 10000	0.4 W	8	5.2 x 23 x 23	1.46	1.36	1.19	1.02
665-AS2804-72	AS2804-72	A	Round	Solder Pad	500 - 20000	1.0 W	4	5.3 x 28 x 28	4.37	4.09	3.57	3.06
665-AS2832M-32	AS2832M-32	A	Round	Solder Pad	600-6500	0.25 W	32	4.4 x 28 x 28	.89	.83	.72	.62
665-AS351604	AS351604-2	B	Oval	Solder Pad	500 - 1200	1.0 W	4	4.9 x 16 x 35.3	4.36	3.37	3.20	3.06
665-AS3608-33	AS3608-33	A	Round	Solder Pad	600 - 5000	0.4 W	8	4.3 x 35.8 x 35.8	1.01	.95	.82	.71
665-AS3608-34	AS3608-34	A	Round	Solder Pad	500 - 4500	0.5 W	8	4.6 x 36 x 36	1.33	1.24	1.09	.93
665-AS3608-72	AS3608-72	A	Round	Solder Pad	600 - 9000	0.25 W	8	4.4 x 36 x 36	1.58	1.48	1.30	1.11
665-AS4008-33	AS4008-33	A	Round	Leads For Wires	500-5000	1.0 W	8	14 x 40 x 40	.76	.71	.63	.53
665-AS4008S-33	AS4008S-33	C	Square	Leads For Wires	530 - 8000	0.2 W	8	15.7 x 40.5 x 40.5	2.52	1.95	1.82	1.77
665-AS4016M-32	AS4016M-32	A	Round	Leads For Wires	600 - 5200	1.0 W	16	10.6 x 40 x 40	1.52	1.42	1.24	1.07
665-AS403008-32	AS403008-32	B	Oval	Leads For Wires	450 - 20000	1.0 W	8	11.5 x 28.3 x 40	2.47	2.31	2.01	1.73
665-AS403016-32	AS403016-32	B	Oval	Leads For Wires	450 - 20000	1.0 W	16	11.5 x 40 x 28.3	2.72	2.55	2.22	1.91
665-AS4032-32	AS4032-32	A	Round	Leads For Wires	600 - 5000	0.1 W	32	10.6 x 40 x 40	1.65	1.54	1.35	1.15
665-AS4508M	AS4508M	A	Round	Solder Pad	450 - 5000	1.0 W	8	5.2 x 45 x 45	2.66	2.49	2.17	1.87
665-AS5008-32	AS5008-32	A	Round	Leads For Wires	550 - 4500	0.2 W	8	18.5 x 50 x 50	1.39	1.30	1.14	.98
665-AS05008MR-3	AS05008MR-3	A	Round	Leads For Wires	800-5000	1.5 W	8	10.5 x 50 x 50	1.71	1.60	1.40	1.20
665-AS5008M-33	AS5008M-33	A	Round	Solder Pad	350 - 20000	1.0 W	8	7.2 x 50 x 50	1.20	1.13	.98	.84
665-AS5708	AS5708	A	Round	Leads For Wires	450 - 4000	0.25 W	8	19 x 57 x 57	1.71	1.60	1.58	1.20
665-AS6608MR	AS6608MR	A	Round	Leads For Wires	380 - 7500	0.5 W	8	16 x 66 x 66	2.32	1.80	1.70	1.60
665-AS704008-32	AS704008-32	B	Oval	Leads For Wires	100 - 20000	3.0 W	8	23.5 x 71 x 41	4.08	3.14	3.00	2.86
665-AS7708-31	AS7708-31	A	Round	Leads For Wires	200 - 5000	0.5 W	8	17 x 77 x 77	1.58	1.48	1.31	1.11
665-AS7708-32	AS7708-32	A	Round	Leads For Wires	200 - 5000	0.5 W	8	20.5 x 77 X 77	1.84	1.72	1.45	1.29
665-AS7708M-32	AS7708M-32	A	Round	Leads For Wires	200 - 5000	0.5 W	8	20.5 x 77 x 77	1.77	1.66	1.40	1.24
665-AS8008S-32	AS8008S-32	-	Pinwheel	Leads For Wires	400 - 20000	15.0 W	8	38.5 x 80 x 80	5.00	4.68	3.88	3.51
665-AS905008-33	AS905008-33	B	Oval	Leads For Wires	200 - 20000	4.0 W	16	42.7 x 50 x 90	3.73	3.49	2.96	2.62

THIN DYNAMIC SPEAKERS

• Low profile, light weight. • Impedance: 8 Ohms • Part numbers ending in "M" have mylar cones. All others have paper cones.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Frequency Range (Hz)	Rated Input (W)	Dimensions (mm)		Price Each			
					A	B	1	25	50	100
665-AT-38008M	AT-38008M	D	700-4K	0.1	38	8	7.15	6.50	5.69	4.82
665-AT-40008M	AT-40008M	D	700-4K	0.1	40	8	6.89	6.26	5.48	4.64
665-AT-50008M	AT-50008M	D	450-4K	0.2	50	9	6.64	6.04	5.29	4.48
665-AT-57008	AT-57008	D	400-4K	0.25	57	9.6	6.64	6.04	5.29	4.48
665-AT-57008M	AT-57008M	D	400-4K	0.25	57	9.6	7.15	6.50	5.69	4.82

SUPER THIN FLAT SPEAKERS

• Low profile • Impedance: 8 Ohms • Stainless steel diaphragm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Frequency Range (Hz)	Rated Input (W)	Impedance (ohms)	Price Each			
						1	25	50	100
665-FS-30R	FS-30R	E	1.3K-8K	0.4	30	5	2.60	2.36	2.07	1.75
665-FS-30S	FS-30S	F	1.3K-8K	0.4	30	5	2.60	2.36	2.07	1.75
665-FS-40R	FS-40R	E	600-6K	0.4	40	5	2.77	2.52	2.21	1.87
665-FS-40S	FS-40S	F	600-6K	0.4	40	5	2.77	2.52	2.21	1.87
665-FS-50R	FS-50R	E	500-4K	0.4	50	5	2.95	2.68	2.35	1.99
665-FS-50S	FS-50S	F	500-4K	0.4	50	5	2.95	2.68	2.35	1.99

PIEZO CERAMIC SPEAKERS

• Surface or flush mount w/ lead wires • Voltage range: 1-30V • 900 Hz resonant frequency

For quantities of 500 and up, call for quote.

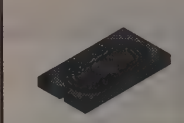
MOUSER STOCK NO.	PUI Part No.	Fig.	Frequency Range (Hz)	Rated Voltage	dBA @ 10cm (typ.)	Price Each			
						1	25	50	100
665-APS-100	APS-100	G	500-20K	5 Vp-p	85	2.05	1.86	1.63	1.38

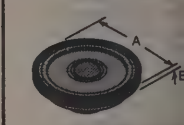
MICRO SPEAKERS

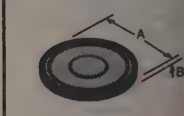
• Flat design • High output level

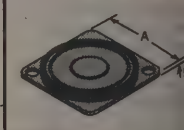
For quantities of 500 and up, call for quote.

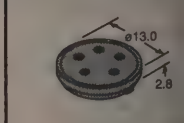
MOUSER STOCK NO.	PUI Part No.	Fig.	Frequency Range (Hz)	Rated Input (W)	Impedance (ohms)	Price Each			
						1	25	50	100
665-AS1308-02	AS1308-02	H	800-5K	0.2	8	2.71	2.46	2.15	1.83











PROJECTS UNLIMITED Speakers & Vibration Motors

projects unlimited
AUDIO PRODUCTS DIVISION

PIEZO AUDIO INDICATORS

L Recognized

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	SPL @ 10 cm (min)	Mounting Type	Price Each 1	25	50	100
ontinuous Tone										
5-AI-4228PC120	AI-4228-P-C120	A	2800 ± 500	110VDC	94dBA	Panel Mount	28.10	25.54	22.99	19.18
5-AI-4228PC250	AI-4228-P-C250	B	2800 ± 500	220VDC	94dBA	Panel Mount	34.48	31.24	30.98	25.44
5-AI-4219PC120	AI-4219-P-C120	A	1900 ± 500	110VDC	86dBA	Panel Mount	36.40	34.30	32.98	28.03
5-AI-380H	AI-380H	A	2900 ± 500	12VDC	107dBA	Panel Mount	17.12	14.86	14.08	13.26
5-AI-4228PC28	AI-4228-P-C28	A	2800 ± 500	12VDC	88dBA	Panel Mount	14.14	13.11	11.45	10.60
5-AI-4228PC28D	AI-4228-P-C28D	A	2800 ± 500	12VDC	90dBA	Panel Mount	34.47	29.73	27.79	24.71
5-AI-4219PC28	AI-4219-P-C28	A	1900 ± 500	12VDC	81dBA	Panel Mount	16.81	15.39	14.27	12.90
5-AI-4228PC48	AI-4228-P-C48	A	2800 ± 500	12VDC	86dBA	Panel Mount	14.54	13.32	11.93	10.99
5-AI-4219PC48	AI-4219-P-C48	A	1900 ± 500	24VDC	81dBA	Panel Mount	27.26	24.41	22.95	19.95
st Pulse										
5-AI-4228PFP120	AI-4228-P-FP120	A	2800 ± 500	110VAC	92dBA	Panel Mount	46.79	43.87	42.58	35.30
5-AI-4228PFP250	AI-4228-P-FP250	B	2800 ± 500	220VDC	94dBA	Panel Mount	45.55	41.27	40.81	33.60
5-AI-380HFP	AI-380HFP	A	2900 ± 500	12VDC	107dBA	Panel Mount	22.34	20.01	18.38	15.97
5-AI-4228PFP28D	AI-4228-P-FP28D	A	2800 ± 500	12VDC	90dBA	Panel Mount	33.21	28.64	26.77	23.80
5-AI-4228PFP28	AI-4228-P-FP28	A	2800 ± 500	12VDC	88dBA	Panel Mount	23.23	20.97	19.26	16.44
ow Pulse										
5-AI-4228PSP120	AI-4228-P-SP120	A	2800 ± 500	110VDC	92dBA	Panel Mount	38.09	32.85	30.70	27.31
5-AI-4228PSP250	AI-4228-P-SP250	B	2800 ± 500	220VAC	94dBA	Panel Mount	45.55	41.27	40.81	33.60
5-AI-380HSP	AI-380HSP	A	2900 ± 500	12VDC	107dBA	Panel Mount	22.46	19.96	18.56	15.89
5-AI-4228PSP28	AI-4228-P-SP28	A	2800 ± 500	12VDC	88dBA	Panel Mount	23.20	21.05	19.08	16.58
5-AI-4228PSP28D	AI-4228-P-SP28D	A	2800 ± 500	12VDC	90dBA	Panel Mount	26.57	22.91	21.42	19.04
hime										
5-AI-4228PCH16	AI-4228-P-CH16	A	2900 ± 500	12VDC	86dBA	Panel Mount	27.41	23.64	22.09	19.64

SPEAKER AUDIO TRANSDUCERS

atures:
CB mount, except AT-263, which has solder terminals.
T-2308 and AT-3108 have mylar cones.
T-2308 and AT-3108 are wave solderable.

Applications:
- AT-2308 and AT-3108 can be used in miniaturized systems such as keyboards and hand-held devices.
- AT-261 and AT-262 are suitable for voice synthesizing.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency (Hz)	Rated Input (W)	Impedance (Ω Ohms)	Price Each 1	25	50	100
5-AT-41	AT-41	C	1400 ± 280	0.15	8	1.50	1.36	1.19	1.13
5-AT-42	AT-42	C	1400 ± 280	0.15	32	2.66	2.42	2.12	1.79
5-AT-40	AT-40	C	1400 ± 280	0.15	100	2.73	2.48	2.17	1.99
5-AT-261	AT-261	D	1000 ± 200	0.1	8	6.82	6.20	5.43	4.59
5-AT-262	AT-262	D	1000 ± 200	0.1	100	6.89	6.26	5.48	4.64
5-AT-263	AT-263	E	1000 ± 200	0.1	8	8.14	7.40	6.48	5.48
5-AT-2308	AT-2308	F	1500 ± 300	0.08	8	2.40	2.18	1.91	1.81
5-AT-3108	AT-3108	F	1500 ± 300	0.1	8	2.18	1.98	1.73	1.64
5-AST-03008MRR	AST-03008MR-R	C	1400 ± 280	0.89	8	1.53	1.36	1.29	1.13
5-AT-1220TTR	AT-1220-TT-R	G	2048 ± 500	1.5	42	.83	.74	.70	.62
5-AT-1438TWTR	AT-1438-TWT-R	G	3800 ± 500	5	-	2.21	1.96	1.86	1.62
5-AT-1620TWT12VR	AT-1620-TWT12V-R	H	2048 ± 500	12	115	1.73	1.54	1.46	1.15
5-AT-2440TWTR	AT-2440-TWT-R	I	4000 ± 500	3	-	1.33	1.18	1.12	.98
5-AT-1220TT2R	AT-1220-TT2-R	J	2048 ± 500	1.5	16	.83	.74	.70	.62
5-AT-1220TTSLR	AT-1220-TTSL-R	J	2048 ± 500	1.5	50	.92	.84	.78	.70
5-AT-1224TWTR	AT-1224-TWT-R	G	2400 ± 500	5	47	1.17	1.04	.99	.86
5-AT-1620TWTLF	AT-1620-TWT-LF	H	2048 ± 500	6	50	2.22	1.67	1.48	1.30

Lead Free Product

MINIATURE SPEAKER TRANSDUCERS

atures:
mall size, low profile.
road frequency range.
igh reliability.
ylar cone, nickel finish.

For quantities of 500 and up, call for quote.

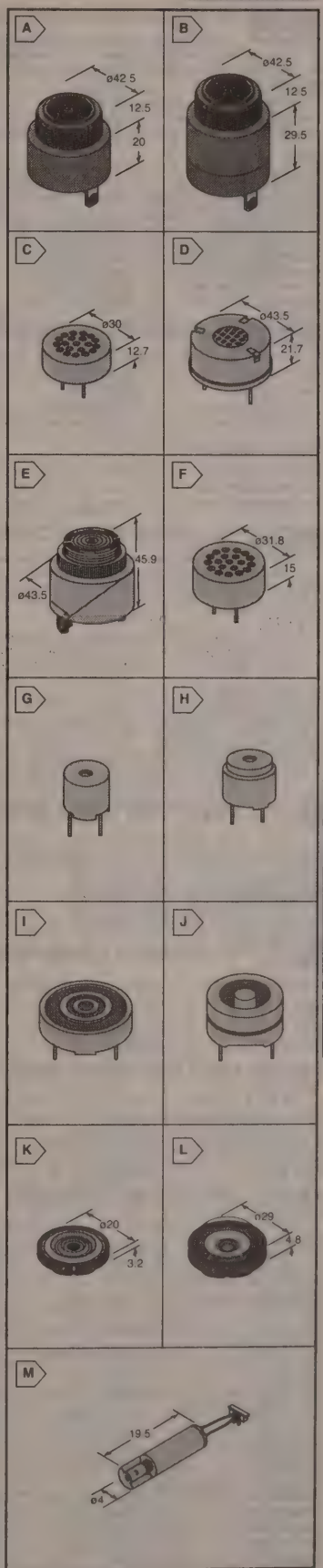
MOUSER STOCK NO.	PUI Part No.	Fig.	Frequency Range (Hz)	Rated Input (W)	Impedance (Ω Ohms)	Price Each 1	25	50	100
5-ADS-2008	ADS-2008	K	750-5000	0.08	8	2.13	1.94	1.70	1.44
5-ADS-2908	ADS-2908	L	650-4000	0.1	8	1.76	1.60	1.40	1.19

VIBRATION MOTORS

atures:
reless motor
w noise
/4020-13CN has subminiature connector.
/4020-13HL has lead wires only & is PCB mount.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Rated Voltage	Rated Speed	Rated Current	Price Each 1	25	50	100
-MV4020-13CN	MV4020-13CN	M	1.3 VDC	9000 RPM	90 mA	9.61	8.74	7.65	6.48
-MV4020-13HL	MV4020-13HL	M	1.3 VDC	9000 RPM	90 mA	6.82	6.20	5.43	4.60



PKM SERIES PIEZO ALARMS

DIMENSIONS (mm)

The piezo alarms described in this section have no "feedback" tab and are particularly suited for the generation of both single tones and the unusual sound effects that are possible with specifically designed driving circuits. These sounds may include musical melodies, insect sounds, etc. All mechanical and electrical components are designed to be compatible with most standard PC board assembly and wave soldering techniques.

Features:
- Low cost
- No EMI
- High reliability
- Rugged construction
- Variable tone outputs
- Compatible with wave soldering techniques

Applications:
- Telephone ringers
- Various office equipment such as PPC's, printers and keyboards
- Various home appliances such as microwave ovens
- Confirmation sound of various audio equipment

External Drive

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Sound Pressure Level	Oscillating Frequency	Case Diameter	Case Thickness	Capacitance ± 30%	Operating Voltage	Price Each 1	50	100	500
81-PKM11-6A0	A	80dB min	6.5 kHz	11 mm	4.5 mm	3 to 20	3-15Vp-p	2.60	2.44	2.12	1.95
81-PKM13EPY-4002	B	70dB min	4 kHz	13 mm	6.9 mm	5.5nF	25Vp-p	.86	.80	.70	.64
81-PKM17EPP-2002	C	70dB min	2 kHz	17 mm	7 mm	34nF	25Vp-p	.98	.92	.80	.74
81-PKM17EPP-4001	C	72dB min	4 kHz	17 mm	7 mm	7nF	25Vp-p	.86	.81	.70	.65
81-PKM22EPP-2001	D	70dB min	2 kHz	22 mm	1.8 mm	19nF	25Vp-p	.96	.90	.78	.72
81-PKM22EPP-4001	D	75dB min	4 kHz	22 mm	7.0 mm	12nF	25Vp-p	.84	.79	.68	.63

PKM SERIES PIEZO ALARMS FOR SPECIAL APPLICATIONS

As the result of rapid development of IC's in telephones, demand for piezoelectric sounder as telephone ringers has also rapidly increased. To effectively satisfy this rising demand, Murata provides a suitable piezoelectric sounder called Piezo Ringer, with the following features.

Features:
- Extremely clear sound
- It can be driven directly from IC's
- Extremely thin and light
- Low power consumption

Applications:
- Telephone ringers
- Various office equipment such as PPC's, printers, and keyboards
- Various home appliances such as microwave ovens
- Confirmation sound of various audio equipment

Special Applications

For quantities of 1000 and up, call for quote.

81-PKM17EPT-4001	E	85dB min	4 kHz	17 mm	7.5 mm	9,500 pF	25 Vp-p	1.13	1.06	.92	.85
81-PKM22EPT-2001	F	75dB min	2 kHz	22 mm	7 mm	19,000 pF	25 Vp-p	1.05	.99	.85	.79
81-PKM22EPT-4001	F	70db min	4 kHz	22 mm	7 mm	- - -	25 Vp-p	1.42	1.34	1.15	1.07

PKLCS SERIES PIEZO ALARMS

Taking advantage of extensive acoustic and mechanical designing technology and high performance ceramics, Murata has developed an SMD piezoelectric sounder that suits the thin, high-density design of electronic equipment. Microcomputers are widely used for microwave ovens, air conditioners, cars, toys, timers, and other alarm equipment. Externally driven piezoelectric sounders are used in digital watches, electronic calculators, telephones, and other equipment. They are driven by a signal (ex, 2048Hz or 4096Hz) from an LSI and provide melodious sound.

Features:
- Low Power consumption
- No contacts, therefore no noise and highly reliable

Applications:
- Buzzer in handheld applications (PDA or other EDP device)
- Phone ringer in cellular applications
- Can be promoted for applications requiring a SMD sounder

Specifications:
- Sound Pressure Level (3Vp-p square wave 10cm): 75dB min. (4kHz)
- Max. Input Voltage: 25Vp-p
- Operating Temp. Range: -20° ~ +70°C
- Storage Temp. Range: -30° ~ +80°C

External Drive

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Sound Pressure Level	Case Size	Case Thickness	Operating Voltage	Price Each 1	50	100	500
81-PKLCS1212E4001	G	75dB min	12x12 mm	3.0 mm	25Vp-p	2.78	2.61	2.30	2.09

MINIATURE PIEZO SIREN

- Frequency sweep: 1500-2000 Hz
- Sweep rate: 4.5 Hz ± 20%
- Adjustable mounting bracket of black, cold-rolled steel.
- Black ABS case.

MOUSER STOCK NO.	Projects Unlimited Part No.	Fig.	dBA @ 10 cm (typ.)	Supply Voltage	Dimensions (mm)	Price Each 1	25	50	100
665-XL-1200	XL-1200	H	110	6-12 VDC	57.7 x 44.5 x 40.5	12.94	11.76	10.29	8.71

EXTREMELY LOUD PIEZO SIREN

- Rated voltage: 12 VDC
- Frequency range: 1500-4000 Hz
- Black ABS case
- Metal mounting brackets.

665-XL-1600	XL-1600	I	125	6-16 VDC	ø54.5 x 56	22.73	20.66	18.08	15.30
665-XL-1600L	XL-1600L	J	125	6-16 VDC	ø54.5 x 56	22.73	20.66	18.08	15.30
665-XL-1700	XL-1700	K	125	3-15 VDC	ø50 x 68	28.20	25.38	23.27	22.02

HIGH OUTPUT ALARM

- 115 dBA @ 10 cm
- Continuous tone
- Flush mounting
- Interchangeable with Star-Micronics p/n PDB-09

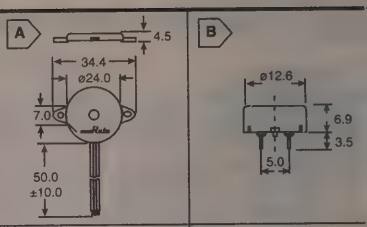
MOUSER STOCK NO.	Projects Unlimited Part No.	Fig.	Resonant Frequency	Supply Voltage	Dimensions (mm)	Price Each 1	25	50	100
665-AI-500	AI-500	L	2500 Hz	5-13 VDC	ø50.0 x 28.9	13.09	11.90	10.41	8.99

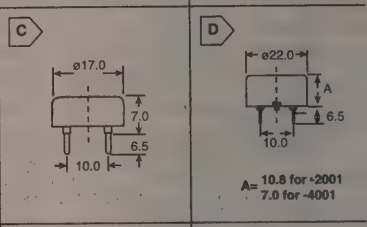
ELECTROMECHANICAL BUZZERS

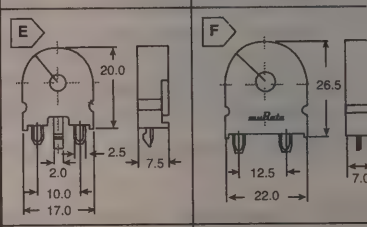
- Continuous tone
- QC tabs on AI-291, -292, -293, -294 are .250"

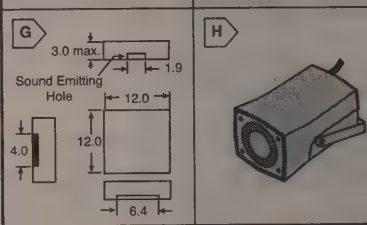
For quantities of 500 and up, call for quote.

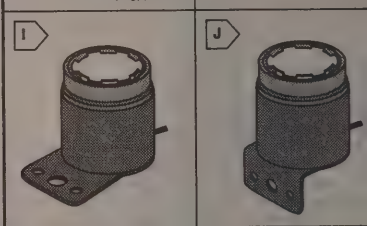
MOUSER STOCK NO.	Projects Unlimited Part No.	Fig.	Resonant Frequency	Rated Voltage	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each 1	25	50	100
PCB Mount Type										
665-AI-227	AI-227	M	400 Hz	12 VDC	77	22.5 x 16.7 x 15.5	4.16	3.78	3.31	2.79
665-AI-228	AI-228	M	400 Hz	24 VDC	76	22.5 x 16.7 x 15.5	4.16	3.78	3.31	2.79
Flange Mount Type										
665-AI-221	AI-221	N	400 Hz	4.5 VDC	70	22.8 x 17.0 x 15.55	3.92	3.56	3.12	2.64
665-AI-222	AI-222	N	400 Hz	12 VDC	79	22.8 x 17.0 x 15.55	3.92	3.56	3.12	2.64
665-AI-223	AI-223	N	400 Hz	24 VDC	76	22.8 x 17.0 x 15.55	3.92	3.56	3.12	2.64
QC Tabs - Open Type										
665-AI-291	AI-291	O	50-60 Hz	12 VAC	86	23.0 x 29.0 x 19.5	3.48	3.16	2.77	2.33
665-AI-292	AI-292	O	50-60 Hz	24 VAC	88	23.0 x 29.0 x 19.5	3.48	3.16	2.77	2.33
665-AI-293	AI-293	O	50-60 Hz	110 VAC	90	23.0 x 29.0 x 19.5	3.81	3.46	3.03	2.56
665-AI-294	AI-294	O	50-60 Hz	220 VAC	90	23.0 x 29.0 x 19.5	3.81	3.46	3.03	2.56
Flange Mount - Enclosed Type										
665-AI-295	AI-295	P	50-60 Hz	6 VAC	84	31.7 x 60.5 x 26.0	4.09	3.72	3.26	2.75
665-AI-296	AI-296	P	50-60 Hz	12 VAC	86	31.7 x 60.5 x 26.0	4.09	3.72	3.26	2.75
665-AI-297	AI-297	P	50-60 Hz	24 VAC	88	31.7 x 60.5 x 26.0	4.09	3.72	3.26	2.75
665-AI-298	AI-298	P	50-60 Hz	110 VAC	92	31.7 x 60.5 x 26.0	4.38	3.98	3.48	2.95
665-AI-299	AI-299	P	50-60 Hz	220 VAC	90	31.7 x 60.5 x 26.0	4.49	4.08	3.57	3.02

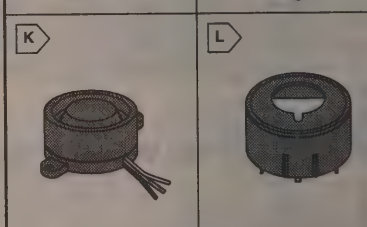


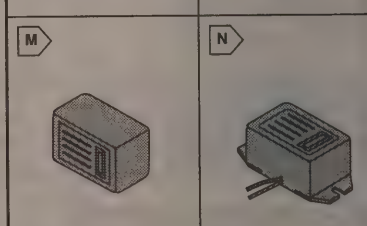


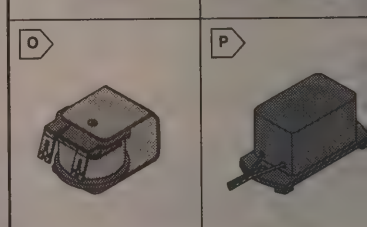






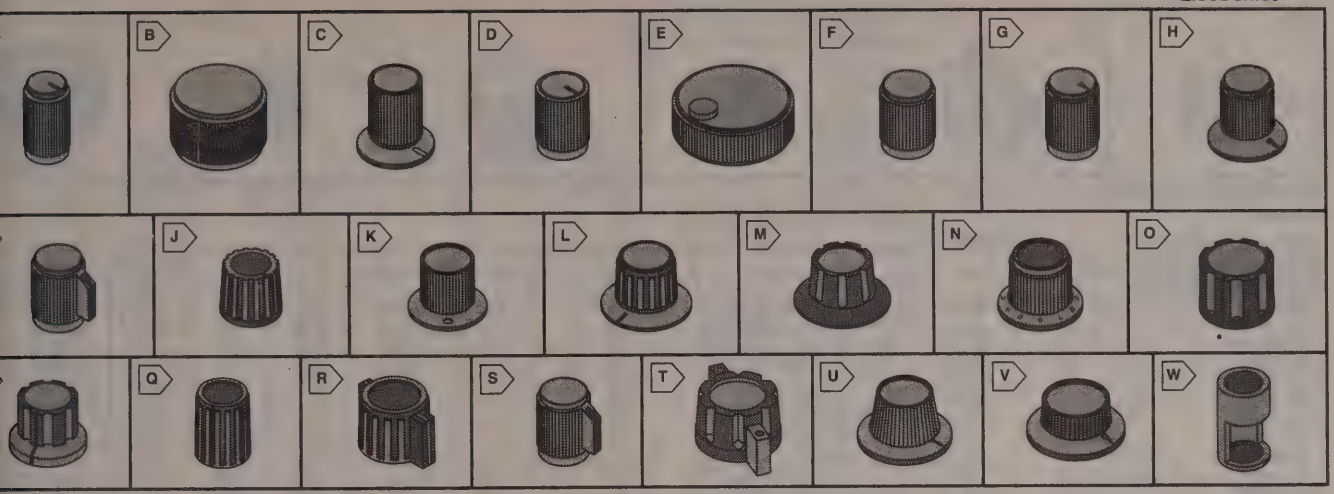






ALCOSWITCH Knobs

tyco Electronics



COSWITCH K SERIES MACHINED ALUMINUM CONTROL KNOBS

ifications:

e of machined aluminum alloy stock • Finish is gloss anodize • Set screws: steel, type 303, hex head, cup point

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Description	Dia. Inches (mm)	Height Inches (mm)	Price Each 1	25	50	100
KB500B1/4	KB500B1/4	A	Black with straight knurl and top line indicator, 1/4" shaft	.500 (12.7)	.787 (20.0)	8.07	7.34	6.06	5.32
KB500B1/8	KB500B1/8	A	Black with straight knurl and top line indicator, 1/8" shaft	.500 (12.7)	.787 (20.0)	8.07	7.34	6.06	5.32
KD1250A1/4	KD1250A1/4	B	Natural with diamond knurl with side indicator line, 1/4" shaft	1.25 (31.8)	.750 (19.1)	14.23	12.94	10.68	9.38
KFS400B1/8	KFS400B1/8	C	Black matte with straight knurl with indicator dot on skirt, 1/8" shaft	.380 (9.65)	.500 (12.7)	7.68	6.98	5.76	5.06
KLN1250B1/4	KLN1250B1/4	D	Black with straight knurl with top and side indicator, 1/4" shaft	1.25 (31.8)	.591 (15.0)	11.77	10.70	8.83	7.76
KLN500A1/8	KLN500A1/8	D	Natural with straight knurl with top and side indicator, 1/8" shaft	.500 (12.7)	.625 (15.9)	6.56	5.96	4.92	4.32
KLN500B1/8	KLN500B1/8	D	Black with straight knurl with top and side indicator, 1/8" shaft	.500 (12.7)	.625 (15.9)	7.08	6.44	5.31	4.67
KLN700A-1/4	KLN700A1/4	D	Natural with straight knurl with top and side indicator, 1/4" shaft	.740 (18.8)	.625 (15.9)	5.43	4.94	4.08	3.58
KLN700B1/4	KLN700B1/4	D	Black with straight knurl with top and side indicator, 1/4" shaft	.740 (18.8)	.625 (15.9)	5.43	4.94	4.08	3.58
KLN900B1/4	KLN900B1/4	D	Black with straight knurl with top and side indicator, 1/4" shaft	.937 (23.8)	.625 (15.9)	9.02	8.20	6.77	5.95
KN1751AS1/4	KN1751AS1/4	E	Natural with straight knurl with fingertip spinner, 1/4" shaft	1.75 (44.5)	.620 (15.8)	22.57	20.52	16.93	14.88
KN1751BS1/4	KN1751BS1/4	E	Black with straight knurl with fingertip spinner, 1/4" shaft	1.75 (44.5)	.620 (15.8)	22.57	20.52	16.93	14.88
KN500B1/4	KN500B1/4	F	Black with straight knurl with side indicator line, 1/4" shaft	.500 (12.7)	.625 (15.9)	4.49	4.08	3.37	2.96
KN500B1/8	KN500B1/8	F	Black with straight knurl with side indicator line, 1/8" shaft	.500 (12.7)	.625 (15.9)	4.49	4.08	3.37	2.96
KN501B1/8	KN501B1/8	G	Black with straight knurl with arrowhead indicator on top, 1/8" shaft	.500 (12.7)	.625 (15.9)	4.49	4.08	3.37	2.96
KNS501BA1/8	KNS501BA1/8	H	Blk. body, nat. skirt & top w/ straight knurl w/ arrowhead indicator on skirt, 1/8" shaft	.500 (12.7)	.625 (15.9)	9.92	9.02	7.44	6.54
KNS701BA1/4	KNS701BA1/4	H	Blk. body, nat. skirt & top w/ straight knurl w/ arrowhead indicator on skirt, 1/4" shaft	.750 (19.1)	.625 (15.9)	11.22	10.20	8.42	7.40
KPN500B1/8	KPN500B1/8	I	Black with straight knurl with pointer and indicator line, 1/8" shaft	.500 (12.7)	.625 (15.9)	13.40	12.18	10.05	8.83
KR1	KR1	W	Shaft hole adapter, 1/4" to 1/8"	---	---	.57	.52	.43	.38

COSWITCH P SERIES MOLDED PHENOLIC KNOBS

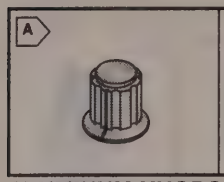
ifications:

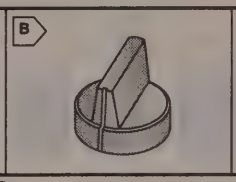
a of general purpose phenolic (thermoset) • Insert is made of Cu alloy
h is gloss • Set screws: steel, hex head, cup point • Inlays and skirts are aluminum alloy, spun finish

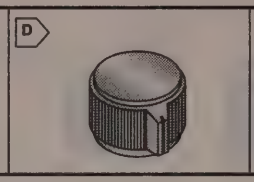
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Description	Dia. Inches (mm)	Height Inches (mm)	Price Each 1	25	50	100
PK1100B1/4	PK1100B1/4	J	Serrated with white indicator on top and spun alum. inlay, 1/4" shaft	.700 (17.8)	.530 (13.5)	1.85	1.68	1.39	1.22
PK50B1/4	PK50B1/4	K	Straight knurl with white dot indicator on skirt and spun alum. inlay, 1/4" shaft	.748 (19.0)	.550 (14.0)	1.21	1.10	.91	.80
PK50B1/8	PK50B1/8	K	Straight knurl with white dot indicator on skirt and spun alum. inlay, 1/8" shaft	.748 (19.0)	.550 (14.0)	1.45	1.32	1.09	.96
PK70B1/4	PK70B1/4	K	Straight knurl with white dot indicator on skirt and spun alum. inlay, 1/4" shaft	.984 (25.0)	.590 (15.0)	2.44	2.22	1.83	1.61
PK90B1/4	PK90B1/4	K	Straight knurl with white dot indicator on skirt and spun alum. inlay, 1/4" shaft	1.25 (31.8)	.595 (15.1)	2.44	2.22	1.83	1.61
PKA50B1/4	PKA50B1/4	L	Ribbed with white line indicator on skirt and spun alum. inlay, 1/4" shaft	.795 (20.2)	.590 (15.0)	1.39	1.26	1.04	.91
PKA50B1/8	PKA50B1/8	L	Ribbed with white line indicator on skirt and spun alum. inlay, 1/8" shaft	.795 (20.2)	.590 (15.0)	1.39	1.26	1.04	.91
PKA70B1/4	PKA70B1/4	L	Ribbed with white line indicator on skirt and spun alum. inlay, 1/4" shaft	.980 (24.9)	.750 (19.1)	1.87	1.70	1.40	1.23
PKB90B1/4	PKB90B1/4	M	Fluted with white line indicator on skirt and spun alum. inlay, 1/4" shaft	1.50 (38.1)	.820 (20.8)	4.38	3.98	3.28	2.89
PKD70B101/4	PKD70B101/4	N	Straight knurl with 0-10 numerals on skirt and spun alum. inlay, 1/4" shaft	1.02 (25.9)	.610 (15.5)	2.18	1.98	1.63	1.44
PKE90-B	PKE90B1/4	O	Fluted with white line indicator on side and spun alum. inlay, 1/4" shaft	.890 (22.6)	.512 (13.0)	2.75	2.50	2.06	1.81
PKES120B1/4	PKES120B1/4	P	Fluted with skirt and white indicator line and spun alum. inlay, 1/4" shaft	1.30 (32.9)	.628 (16.0)	1.96	1.78	1.47	1.29
PKES60B1/4	PKES60B1/4	P	Fluted with skirt and white indicator line and spun alum. inlay, 1/4" shaft	.748 (19.0)	.470 (11.9)	1.69	1.54	1.27	1.12
PKES60B1/8	PKES60B1/8	P	Fluted with skirt and white indicator line and spun alum. inlay, 1/8" shaft	.748 (19.0)	.470 (11.9)	1.69	1.54	1.27	1.12
PKES90B1/4	PKES90B1/4	P	Fluted with skirt and white indicator line and spun alum. inlay, 1/4" shaft	1.01 (25.7)	.570 (14.5)	1.94	1.76	1.45	1.28
PKG40B1/8	PKG40B1/8	Q	Ribbed with white indicator line and spun alum. inlay, 1/8" shaft	.437 (11.1)	.472 (12.0)	1.30	1.18	.97	.86
PKG50B1/4	PKG50B1/4	Q	Ribbed with white indicator line and spun alum. inlay, 1/4" shaft	.551 (14.0)	.512 (13.0)	1.52	1.38	1.14	1.00
PKG50B1/8	PKG50B1/8	Q	Ribbed with white indicator line and spun alum. inlay, 1/8" shaft	.551 (14.0)	.512 (13.0)	1.52	1.38	1.14	1.00
PKG70B1/8	PKG70B1/8	Q	Ribbed with white indicator line and spun alum. inlay, 1/8" shaft	.740 (18.8)	.559 (14.2)	4.07	3.70	3.05	2.68
PKGP-70B-1/4	PKGP70B1/4	R	Ribbed with bar pointer, white indicator line, and spun alum. inlay, 1/4" shaft	.740 (18.8)	.460 (11.7)	4.00	3.64	3.00	2.64
PKJT50B1/8	PKJT50B1/8	S	Straight knurl with bar pointer, white indicator line, and alum. spin plate, 1/8" shaft	.515 (13.1)	.585 (14.9)	3.67	3.34	2.76	2.42
PKP194B1/4	PKP194B1/4	T	Serrated with bar point, white dot indicator, and spun alum. inlay, 1/4" shaft	1.00 (25.4)	.840 (21.3)	2.79	2.57	2.50	2.29
PKS1106B1/4	PKS1106B1/4	U	Straight knurl, black line indicator on alum. skirt, spun alum. inlay, 1/4" shaft	1.17 (29.6)	.670 (17.0)	4.47	4.06	3.35	2.94
PKS90B1/4	PKS90B1/4	V	Straight knurl, black arrow indicator on alum. skirt, spun alum. inlay, 1/4" shaft	1.42 (36.1)	.596 (15.1)	3.30	3.00	2.48	2.18
PKS90B101/4	PKS90B101/4	V	Straight knurl, black numbers 1-10 on alum. skirt, spun alum. inlay, 1/4" shaft	1.42 (36.1)	.596 (15.1)	5.28	4.80	3.96	3.48
KR1	KR1	W	Shaft hole adapter, 1/4" to 1/8"	---	---	.57	.52	.43	.38

EAGLE PLASTIC DEVICES Control and Instrument Knobs







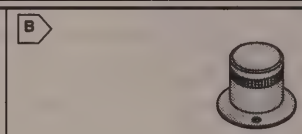
Tuning Knob

ALUMINUM KNOBS

Features:

- Machined from solid aluminum
- Spin polished finish

MOUSER STOCK NO.	Fig.	Color	Features	Shaft Size	Dia. In.	Dimension In. H	Price Each 1	10	100	500	10
450-MAS51	A	Natural	Dual set screws	1/8	0.74	0.625	4.18	3.48	3.16	2.88	
450-MAS52	A	Black	Dual set screws	1/8	0.74	0.625	4.18	3.48	3.16	2.88	
450-MAS53	A	Natural	Dual set screws	1/4	0.74	0.625	4.18	3.48	3.16	2.88	
450-MAS54	A	Black	Dual set screws	1/4	0.74	0.625	4.18	3.48	3.16	2.88	
450-MAS71	A	Natural	Dual set screws	1/4	1.14	0.625	5.19	4.33	3.93	3.58	
450-MAS72	A	Black	Dual set screws	1/4	1.14	0.625	5.19	4.33	3.93	3.58	
450-MAS91	A	Natural	Dual set screws	1/4	1.40	0.625	6.53	5.45	4.95	4.50	
450-MAS92	A	Black	Dual set screws	1/4	1.40	0.625	6.53	5.45	4.95	4.50	
450-MCB51	B	Natural	Dual set screws	1/4	0.50	0.75	3.62	2.99	2.74	2.49	
450-MCB52	B	Black	Dual set screws	1/4	0.50	0.75	3.62	2.99	2.74	2.49	
450-MCB61	B	Natural	Dual set screws	1/4	0.62	0.75	3.85	3.21	2.92	2.65	
450-MCB62	B	Black	Dual set screws	1/4	0.62	0.75	3.85	3.21	2.92	2.65	
450-MCB71	B	Natural	Dual set screws	1/4	0.74	0.90	4.50	3.75	3.41	3.10	
450-MCB72	B	Black	Dual set screws	1/4	0.74	0.90	4.50	3.75	3.41	3.10	
450-MCB91	B	Natural	Dual set screws	1/4	0.94	0.90	5.41	4.51	4.10	3.73	
450-MCB92	B	Black	Dual set screws	1/4	0.94	0.90	5.41	4.51	4.10	3.73	
450-MLNS51	C	Natural	Dual set screws	1/4	0.75	0.63	4.28	3.57	3.25	2.95	
450-MLNS52	C	Black	Dual set screws	1/4	0.75	0.63	4.28	3.57	3.25	2.95	
450-MPN71	D	Natural	Dual set screws	1/4	0.89	0.625	4.32	3.60	3.27	2.98	
450-MPN72	D	Black	Dual set screws	1/4	0.89	0.625	4.32	3.60	3.27	2.98	
450-MPN91	D	Natural	Dual set screws	1/4	1.10	0.625	5.12	4.27	3.88	3.53	
450-MPN92	D	Black	Dual set screws	1/4	1.10	0.625	5.12	4.27	3.88	3.53	
450-MLN54	E	Black	Dual set screws	1/4	0.50	0.625	2.83	2.36	2.15	1.95	
450-MLN72	E	Black	Dual set screws	1/4	0.74	0.625	3.48	2.90	2.64	2.40	
450-1755	F	Black	Dual set screws	1/4	1.75	1.14	7.63	6.94	6.43	5.95	

Light Weight


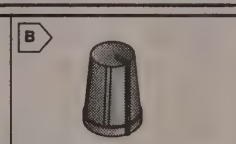
Light Weight

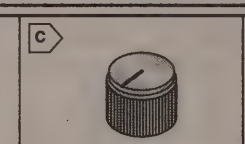
Light Weight

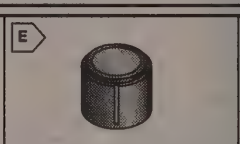
UNIQUE COMBINATION ALUMINUM & PLASTIC KNOBS

- Machined aluminum shell with plastic insert knob

MOUSER STOCK NO.	Fig.	Color	Features	Shaft Size	Dia. In.	Dimension In. H	Price Each 1	10	100	500	10
450-ME51	A	Natural/Black	Dual set screws	1/8	0.50	0.65	3.53	2.94	2.67	2.43	
450-ME52	A	Natural/Black	Dual set screws	1/4	0.50	0.65	3.53	2.94	2.67	2.43	
450-ME71	A	Natural/Black	Dual set screws	1/4	0.74	0.65	4.31	3.59	3.27	2.97	
450-MES51	B	Natural/Black	Dual set screws	1/8	0.74	0.63	4.14	3.45	3.14	2.85	
450-MES52	B	Natural/Black	Dual set screws	1/4	0.74	0.63	4.14	3.45	3.14	2.85	
450-MES71	B	Natural/Black	Dual set screws	1/4	1.13	0.63	5.45	4.54	4.13	3.75	
450-3825	C	Natural	Brass insert single set screw	1/4	1.50	0.63	2.88	2.40	2.18	1.98	
450-3225	C	Natural	Brass insert single set screw	1/4	1.26	0.55	2.57	2.14	1.95	1.77	
450-2925	C	Natural	Brass insert single set screw	1/4	1.14	0.55	2.09	1.74	1.58	1.44	
450-2225	C	Natural	Brass insert single set screw	1/4	0.87	0.51	1.92	1.59	1.45	1.32	
450-1825	C	Natural	Brass insert single set screw	1/4	0.71	0.47	1.74	1.45	1.32	1.20	
450-1425	C	Natural	Brass insert single set screw	1/4	0.55	0.63	1.61	1.34	1.22	1.11	







PLASTIC KNOBS

- T18 is a 6mm, 18 tooth knurled shaft.

MOUSER STOCK NO.	Fig.	Color	Features	Shaft Size	Dia. In.	Dimension In. H	Price Each 1	10	100	500	10
450-3618	A	Black	Spun aluminum inlay	T18*	1.06	0.63	.57	.38	.35	.32	
450-4618	A	Black	Spun aluminum inlay	T18*	0.79	0.47	.54	.36	.33	.29	
450-7618	B	Black	Soft touch	T18*	0.52	0.61	.57	.38	.35	.32	
450-4760	B	Black	Soft touch	D	0.52	0.61	.57	.38	.35	.32	
450-4660	B	Gray	Soft touch black ind. Line	D	0.52	0.61	.57	.38	.35	.32	
450-4661	B	Gray	Soft touch red ind. Line	D	0.52	0.61	.57	.38	.35	.32	
450-AE181	C	White	- - - - - - - - -	T18*	0.71	0.68	.35	.24	.22	.20	
450-AE185	C	Gray	- - - - - - - - -	T18*	0.71	0.68	.35	.24	.22	.20	
450-AE186	C	Black	- - - - - - - - -	T18*	0.71	0.68	.35	.24	.22	.20	
450-AE141	C	Black	- - - - - - - - -	T18*	0.55	0.65	.31	.21	.19	.17	
450-CE15	D	Black	Brass insert single set screw	1/4	0.59	0.59	.79	.61	.55	.50	
450-3102	E	Black	Spun aluminum inlay	D	0.78	0.62	.96	.74	.68	.62	
450-2401	F	Black	Spun aluminum inlay	D	0.79	0.67	.82	.63	.57	.52	

AGLE PLASTIC DEVICES Control and Instrument Knobs

///epd
eagle plastic devices

LOR CONTROL KNOBS

Fits .25 shafts
Black Indicator

3mm, 18 tooth shaft
White Indicator

mm, 18 tooth shaft
White Indicator

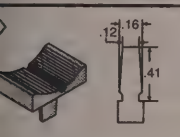
- Black plastic with white indicator except where noted
- Brass insert w/set screw .25" knobs only

For quantities of 500 and up, call for quote.

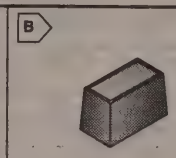
MOUSER STOCK NO.	Fig.	Color Top	Dimension In.		Price Each		
			Dia.	H	1	10	100
450-2040	A	BLK/RED	.52	.62	.99	.78	.69
450-2050	A	BLK/YEL	.52	.62	.99	.78	.69
450-2060	A	BLK/GRN	.52	.62	.99	.78	.69
450-2070	A	BLK/BLU	.52	.62	.99	.78	.69
450-3180	A	BLK/GRN	.75	.64	1.08	.83	.75
450-3181	A	BLK/RED	.75	.64	1.08	.83	.75
450-3182	A	BLK/YEL	.75	.64	1.08	.83	.75
450-3183	A	BLK/BLU	.75	.64	1.08	.83	.75
450-3021	B	BLK/RED	.52	.65	.54	.36	.33
450-3022	B	BLK/YEL	.52	.65	.54	.36	.33
450-3023	B	BLK/BLU	.52	.65	.54	.36	.33
450-3024	B	BLK/GRN	.52	.65	.54	.36	.33
450-3031	C	BLK/RED	.63	.59	.54	.36	.33
450-3033	C	BLK/BLU	.63	.59	.54	.36	.33
450-3034	C	BLK/GRN	.63	.59	.54	.36	.33

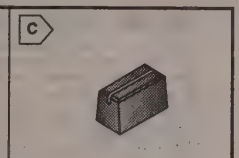
OBS FOR SLIDE POTENTIOMETERS

312-9000, 9100, and 9302 series



Shaft Configuration





aluminum inlay

USER CK NO.	Fig.	Color	Dimension In.			Price Each		
			L	W	H	1	10	100
0-3051	A	Black	.79	.68	.62	.49	.33	.30
0-3052	A	Gray	.79	.68	.62	.49	.33	.30
KN151	B	Black	.61	.57	.46	.74	.59	.53
0-0154	C	Black	.46	.25	.36	.44	.30	.27
0-0155	C	Black	.68	.41	.44	.49	.33	.30

OBS FOR 1/8" SHAFTS

- Fits 148, 248, and PRV6 series
- Brass insert

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Color Top	Dimension In.		Price Each		
		Dia.	H	1	10	100
450-0125	Body BLK/Top BLK	.46	.41	.92	.71	.65
450-0126	Body BLK/Top RED	.46	.41	.92	.71	.65

OB FOR 4MM SHAFTS

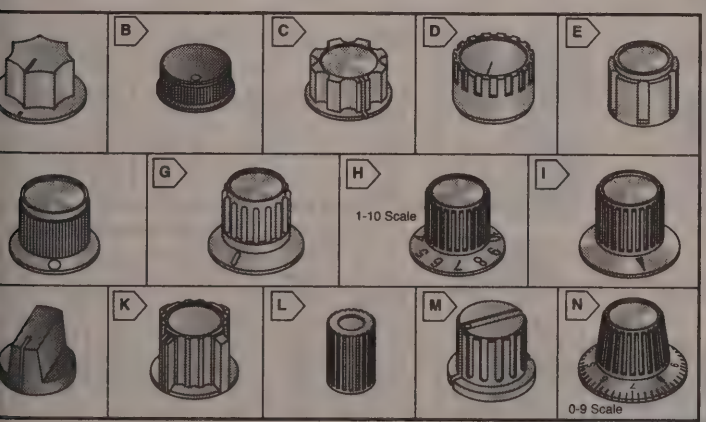
- Fits our 31CX series controls
- Hole size: 4.1mm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Color	Dimension In.		Price Each		
		Dia.	H	1	10	100
45KN050	Black	.50	.43	1.09	.92	.84

NTROL AND INSTRUMENT KNOBS

s inserts • Knobs fit .25" shafts † with spun aluminum inlay



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Dimension In.		Price Each		
			Dia.	H	1	10	100
45KN013	A	Black	.94	.59	.74	.50	.46
45KN014	A	Black	1.32	.69	.80	.61	.56
45KN015	B	Black	.70	.38	.52	.39	.35
† 45KN016	C	Black	1.29	.63	.97	.75	.68
† 45KN017	C	Black	1.04	.56	.81	.63	.57
† 45KN018	C	Black	.75	.46	.73	.56	.51
45KN019	D	Black	1.00	.60	.99	.83	.76
† 45KN023	E	Black	.75	.63	.81	.63	.57
† 45KN026	E	Black	.78	.63	.81	.63	.57
† 45KN024	F	Black	.98	.57	1.05	.81	.73
† 45KN025	G	Black	1.31	.87	1.05	.88	.80
† 45KN021	H	Black	1.45	.90	1.26	1.06	.96
† 45KN022	I	Black	1.45	.90	1.26	1.06	.96
† 450-1170	H	Black	.93	.56	1.27	.98	.89
† 450-1171	I	Black	.93	.56	1.27	.98	.89
450-1017	J	Black	1.04	.62	.69	.46	.42
450-2016	K	Black	.90	.71	.97	.75	.68
450-2023	L	Black	.50	.61	.62	.42	.38
450-2034	M	Black	.59	.55	.73	.56	.51
450-2035	M	Black	.77	.59	.89	.66	.60
450-2036	M	Black	.95	.78	1.09	.76	.68
450-2039	M	Black	1.39	.71	1.16	.93	.84
† 450-2037	N	Black	1.16	.71	1.08	.91	.82

SOFT TOUCH KNOBS

Plastic shell covered by a thick rubber finish

- Knob fits 6mm, 18 tooth knurled shaft
- Diameter measured at knob base

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Color	Dimension In.		Price Each		
		Dia.	H	1	10	100
450-4010	Gray	.51	.71	.60	.40	.36
450-4011	Black	.51	.71	.60	.40	.36

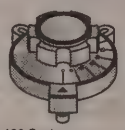
SOLID COLOR KNOBS

- Knob fits 6mm, 18 tooth shaft
- Fits 313-2401, 31VF, 31CA, 31CB, and 31CR Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Color	Dimension In.		Price Each		
		Dia.	H	1	10	100
450-2051	Gray	.80	.64	.47	.32	.29
450-2061	Black	.80	.64	.47	.32	.29
450-2062	Black	.60	.59	.40	.27	.24

VERNIER DIAL KNOBS



0-100 Scale

- Knobs fit .25" shafts
- 8 to 1 turns ratio calibrated over 180°
- Graduated 0-100

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Color	Dimension In.		Price Each		
		Dia.	H	1	10	100
45KN100	Natural	1.50	.85	12.73	10.61	9.65
45KN102	Natural	2.00	.85	13.69	12.32	11.27

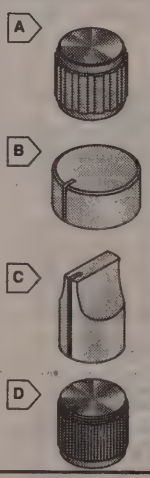
POINTER KNOB

- Brass insert
- Knobs fit .25" shafts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Color	Dimension In.		Price Each		
		Dia.	H	1	10	100
45KN012	Black	1.25	.65	.69	.46	.42

ALUMINUM CONTROL KNOBS



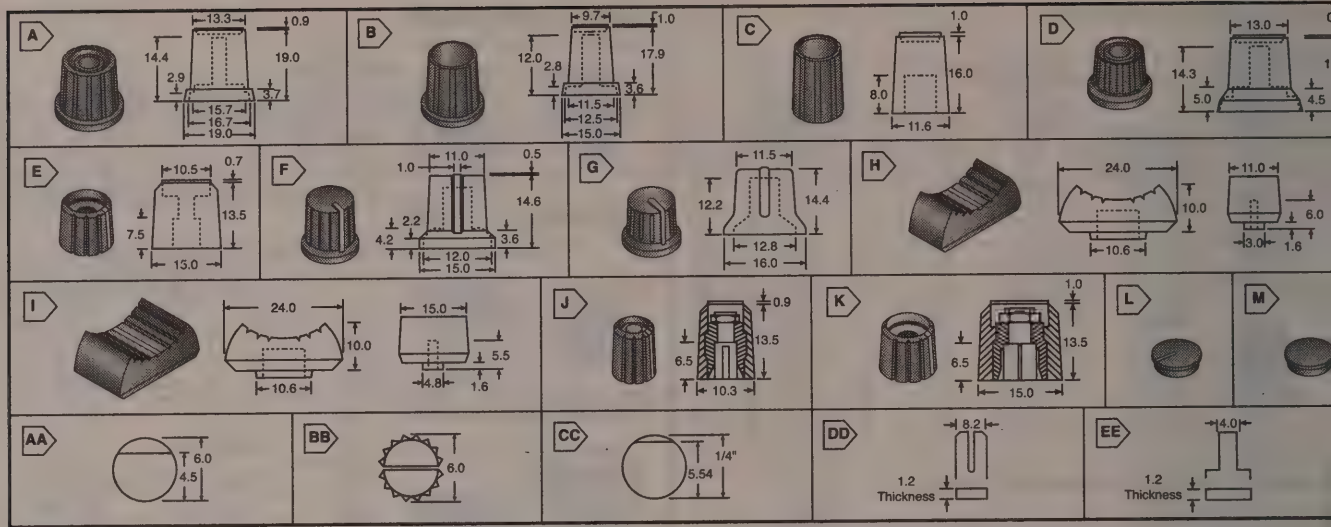
- Brass inserts
- Knobs fit .25" shafts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Dimension In.		Price Each		
			Dia.	H	1	10	100
45KN030	A	Mirror	.79	.77	1.95	1.69	1.54
45KN031	A	Mirror	.61	.65	1.70	1.48	1.35
45KN032	A	Mirror	.87	.75	2.22	1.94	1.76
450-7030	A	Black	.79	.77	2.04	1.77	1.61
450-7031	A	Black	.61	.65	1.78	1.55	1.41
450-7032	A	Black	.87	.75	2.29	1.99	1.84
450-6015	B	Natural	.63	.55	1.96	1.73	1.61
450-6016	B	Natural	.87	.55	2.18	1.92	1.79
450-6017	B	Natural	1.10	.55	2.82	2.49	2.32
450-7015	B	Black	.63	.55	2.07	1.83	1.71
450-7016	B	Black	.87	.55	2.28	2.01	1.88
450-3000	C	Natural	1.00	1.00	6.05	5.34	4.98
450-6003	D	Natural	.50	.62	1.58	1.40	1.30
450-6005	D	Natural	.75	.62	1.99	1.76	1.64
450-6006	D	Natural	.94	.62	2.40	2.12	1.98
450-6007	D	Natural	1.25	.62	2.81	2.48	2.31
450-6008	D	Black	1.25	.62	2.81	2.48	2.31
450-7005	D	Black	.75	.62	2.09	1.85	1.72
450-6009	D	Black	.50	.62	1.68	1.49	1.35
450-6010	D	Black	.94	.62	2.52	2.22	2.07

Control Knobs

DIMENSIONS



De'an PUSH-ON COLOR CODED CONTROL KNOBS

These control knobs feature a selection of color coded caps to assist engineers when coding different functions. Three colors are available from stock. Other colors are also available. Ask your service representative for details. Order color-coded caps separately.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shaft Type	Body Color	Size (In.)		Price Each			
				Dia.	Ht.	1	10	25	100
†550-86101	A	AA	Black	0.75	0.75	.39	.35	.32	.29
†550-86102	A	BB	Black	0.75	0.75	.39	.35	.32	.29
†550-86103	A	CC	Black	0.75	0.75	.39	.35	.32	.29
†550-85901	B	BB	Black	0.59	0.7	.40	.36	.33	.30
†550-13801	C	BB	Black	0.46	0.63	.31	.28	.25	.23
†550-89001	D	CC	Black	0.75	0.61	.37	.34	.31	.28
†550-15031	E	CC	Black	0.59	0.53	.56	.51	.46	.42

† Knobs require color coded cap

Color-Coded Caps

Other colors are available.
Call your Mouser Service Representative.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Cap Color	Pointer Color	Fits Knob	Price Each			
					1	10	25	100
550-86301	L	Black	White	550-89001	.51	.46	.42	.38
550-86302	L	Blue	White	550-86101	.51	.46	.42	.38
550-86303	L	Gray	White	550-86102	.51	.46	.42	.38
				550-86103				
550-86401	L	Black	White		.51	.46	.42	.38
550-86402	L	Blue	White	550-85901	.51	.46	.42	.38
550-86403	L	Gray	White	550-13801	.51	.46	.42	.38
550-15021	M	Black	None		.20	.18	.17	.15
550-15023	M	Blue	None	550-15031	.20	.18	.17	.15
550-15022	M	Gray	None		.20	.18	.17	.15

De'an TWO-COLOR HARD BODY CONTROL KNOB

This knob is a product of the latest developments in computer two-color technology. It features a matte black body with a white colored pointer molded in the body. The result is a control knob which keeps its crisp look permanently. **Other pointer colors are available; call your Mouser Service Representative.**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shaft Type	Body Color	Pointer Color	Size (In.)		Price Each			
					Dia.	Ht.	1	10	25	100
550-57001	F	BB	Black	White	0.59	0.57	.48	.44	.40	.36

De'an TWO-COLOR "SOFT TOUCH" CONTROL KNOBS

"Soft Touch" technology is now available in a two-color control knob. Styled with today's front panels in mind, these control knobs offer superb looks at competitive costs. **Other pointer colors are available; call your Mouser Service Representative.**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shaft Type	Body Color	Pointer Color	Size (In.)		Price Each			
					Dia.	Ht.	1	10	25	100
550-67001	G	AA	Black	Gray	0.63	0.57	.49	.45	.41	.37
550-67002	G	AA	Black	Blue	0.63	0.57	.49	.45	.41	.37
550-67003	G	BB	Black	Gray	0.63	0.57	.49	.45	.41	.37
550-67004	G	BB	Black	Blue	0.63	0.57	.49	.45	.41	.37
550-67005	G	BB	Black	White	0.63	0.57	.49	.45	.41	.37

De'an SLIDE CONTROL KNOBS

Superb ergonomics and aesthetics at a competitive price. Low profile design and Re án's two-color proce
It has been designed to compliment Mouser Stock No. 550-57001. Other colors are available.
Call your Mouser Service Representative.

For quantities of 500 and up, call for

MOUSER STOCK NO.	Fig.	Shaft Type	Body Color	Pointer Color	Size (In.)		Price Each			
					W	L	1	10	25	1
550-77301	H	DD	Black	White	0.43	0.94	.33	.30	.28	
550-77304	H	EE	Black	White	0.43	0.94	.33	.30	.28	
550-77801	I	DD	Black	White	0.59	0.94	.37	.34	.31	
550-77804	I	EE	Black	White	0.59	0.94	.37	.34	.31	

De'an 10MM COLLET KNOBS

Featuring the latest in computer controlled two-color manufacturing technology. Ask your service represen
about other sizes and colors.

- Indicator lines are molded into the knob body
- Available with full length white indicator line
- Caps available with or without indicator line
- Color coded cap, available from stock in 3 colo
  Other colors are available. Call your Mouser Service Representative.

For quantities of 500 and up, call fo

MOUSER STOCK NO.	Fig.	Shaft Size	Body Color	Pointer Color	Size		Price Each			
					Dia.	Ht.	1	10	25	1
†550-10501	J	1/8"	Black	White	10mm	.53"	1.42	1.29	1.18	

10mm Color-Coded Caps (Fits knob 550-10501)

† Knobs require color cod

MOUSER STOCK NO.	Fig.	Cap Color	Pointer Color	Price Each			
				1	10	25	
550-10001	L	Black	White	.31	.28	.25	
550-10002	L	Gray	White	.31	.28	.25	
550-10003	L	Blue	White	.31	.28	.25	
550-10011	M	Black	None	.20	.18	.17	

De'an 15MM COLLET KNOBS

For quantities of 500 and up, call fo

MOUSER STOCK NO.	Fig.	Shaft Size	Body Color	Pointer Color	Size		Price Each			
					Dia.	Ht.	1	10	25	
†550-15601	K	6mm	Black	White	15mm	.53"	1.53	1.39	1.27	
†550-15001	K	1/4"	Black	White	15mm	.53"	1.53	1.39	1.27	

15mm Color-Coded Caps (Fits knobs: 550-15601, 550-15001)

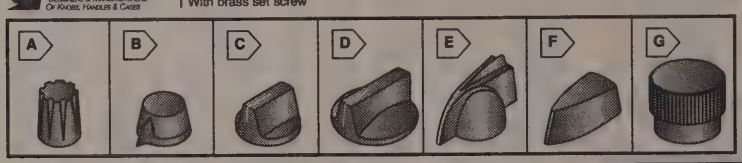
† Knobs require color co

MOUSER STOCK NO.	Fig.	Cap Color	Pointer Color	Price Each			
				1	10	50	
550-15011	L	Black	White	.31	.28	.25	
550-15012	L	Gray	White	.31	.28	.25	
550-15013	L	Blue	White	.31	.28	.25	
550-15021	M	Black	None	.20	.18	.17	
550-15022	M	Gray	None	.20	.18	.17	
550-15023	M	Blue	None	.20	.18	.17	

DAVIES KNOBS

Designers & Manufacturers Of Knobs, Handles & Cases

† With brass set screw



†† No indicator line. * Diameter in table measured at knob base

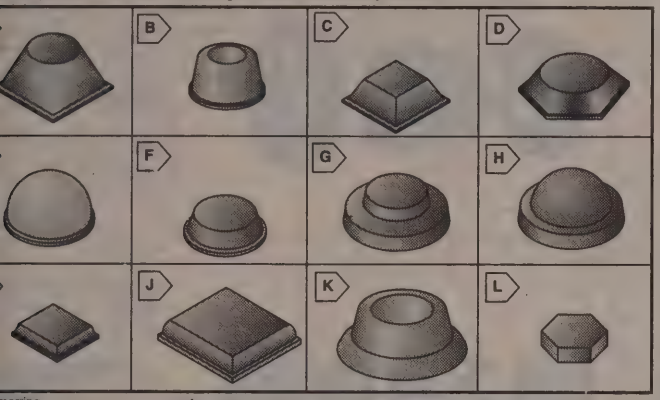
MOUSER STOCK NO.	Fig.	Type of Knob	Hole Size	*Dia. (In.)	Height (In.)	Price Each		
						1	10	100
5164-1900	A	Instrument	.250	.50	.625	1.32	1.16	.95
††5164-1400	B	Control	.250	.69	.41	1.11	1.05	.96
5164-1510	C	Pointer	.250	.75	.57	1.29	1.22	1.18
5164-1500	D	Pointer	.250	1.13	.57	1.10	1.05	.96
5164-2300	E	Pointer	.250	1.25	.625	1.42	1.36	1.30
††5164-2300A	E	Pointer	.250	1.25	.625	1.29	1.16	.90
††5164-2310	F	Pointer	.250	1.19	.50	1.29	1.20	1.14
†5164-2700E	G	Mini-clamp	.250	.56	.50	.90	.81	.73

Bumpers, Grommets, and Hole Plugs

BUMPON PROTECTIVE PRODUCTS

DIMENSIONS (IN.)

on Protective Products are self-sticking polyurethane bumpers that serve as high performance cushions, feet, s, and protectors. No need for screws, glue, rivets, or holes of any kind!



marring
k resistant
slip

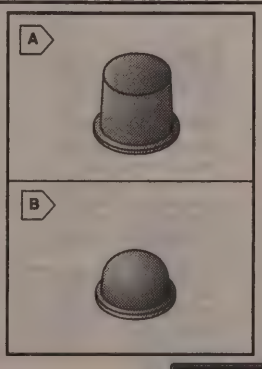
*** Available in 4 colors.** Replace the blank (__) in the part number with:
BK for Black, **GY** for Gray, **BR** for Brown, **WH** for White

all dimensions are height x width (inches)

OUSER OCK NO.	Fig.	Description	Size	Color	Std Qty. Per Pad	Price Per Indiv. Bumpon 1	24	1000	5000
SJ-5514	A	Sq. Base Cone	.52x.81	*	24	.83	.39	.25	.22
SJ-5009	B	Cir. Depressed	.40x.88	*	24	.61	.28	.18	.16
						1	36	1000	5000
SJ-5023__	C	Tapered Square	.30x.81	*	36	.35	.16	.10	.09
						1	39	2000	4000
SJ-5077BK	D	Hexagon	.16x.65	Black	39	.26	.12	.08	.07
						1	40	1000	5000
SJ-5027__	E	Hemisphere	.31x.63	*	40	.24	.19	.12	.10
SJ-5017__	E	Lg. Hemisphere	.38x.75	*	40	.46	.22	.14	.12
						1	40	2600	5200
SJ-5744BK	F	Cylindrical	.16x.75	Black	40	.24	.19	.12	.10
SJ-5744GY	F	Cylindrical	.16x.75	Gray	40	.24	.19	.12	.10
						1	40	3000	6000
SJ5001BK	F	Cyl. Depressed	.14x.50	Black	40	.20	.10	.06	.05
SJ-6115BK	G	Top Hat	.187x.625	Black	40	.24	.19	.12	.10
SJ-6125BK	H	Top Hat	.25x.625	Black	40	.24	.19	.12	.10
						1	48	3000	6000
SJ-5306CL	E	Hemisphere	.15x.375	Clear	48	.20	.10	.06	.05
SJ-5406WH	E	Hemisphere	.15x.375	White	48	.20	.10	.06	.05
						1	56	3000	6000
SJ-5303CL	E	Sm. Hemisphere	.20x.44	Clear	56	.20	.10	.06	.05
SJ-5003__	E	Sm. Hemisphere	.20x.44	*	56	.13	.07	.05	.04
SJ-5012__	F	Cylindrical	.14x.50	*	56	.13	.07	.05	.04
SJ-5312CL	F	Cylindrical	.14x.50	Clear	56	.20	.10	.06	.05
SJ-5412WH	E	Hemisphere	.14x.50	White	56	.20	.10	.06	.05
						1	64	1000	3000
SJ5508__	C	Tapered Square	.12x.50	*	64	.14	.080	.060	.050
SJ5518__	C	Tapered Square	.23x.50	*	64	.24	.14	.10	.090
						1	80	3000	6000
SJ-5008__	I	Tapered Square	.12x.50	*	80	.13	.07	.05	.04
SJ-5018__	I	Tapered Square	.23x.50	*	80	.22	.10	.057	.055
						1	100	500	1000
SJ5523__	C	Tapered Square	.30x.81	*	4	.19	.17	.15	.13
SJ-5705BK	J	Square	.24x1.25	Black	1	1.28	.60	.37	.34
SJ-5532__	K	Cir. Depressed	.66x1.88	*	1	1.71	1.58	1.45	1.34
						1	108	3000	6000
SJ-5007BK	I	Tapered Square	.10x.40	Black	54	.13	.07	.05	.04
						1	132	300	6000
SJ-5201BR	L	Hexagon	.125x.433	Brown	132	.06	.04	.03	.02
SJ-5202BR	L	Hexagon	.063x.433	Brown	132	.06	.04	.03	.02
						1	144	3000	6000
SJ-5402WH	E	Sm. Hemisphere	.085x.312	White	144	.20	.10	.06	.05
SJ-5302CL	E	Sm. Hemisphere	.085x.312	Clear	144	.20	.10	.06	.05

BUMPON PCB SPACERS

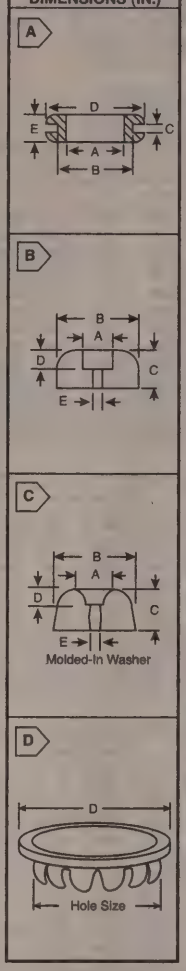
e sensitive adhesive backed feet that are designed for use as a circuit board spacer. High performance adhesive offers excellent nd ultimate adhesion to a wide variety of surfaces including FR4, and various metal surfaces. These products protect sensitive nents from heat build up, short circuiting, vibration, & board flexing.



USER CK NO.	Fig.	Size (In.)	Qty. Per Pad	Price Per Bumpon 1	24	1000	5000
SJ-67A11	A	.210x.312	24	.20	.10	.06	.05
				1	48	3000	6000
SJ-67A4	A	.311x.375	48	.30	.14	.09	.08
SJ-67A6	A	.215x.312	144	.20	.10	.06	.05
SJ-67A8	A	.135x.375	144	.28	.13	.08	.07
				1	96	2400	4800
SJ-67A2	B	.235x.375	96	.30	.14	.09	.08
				1	144	3000	6000
SJ-67A1	A	.200x.312	144	.13	.07	.05	.04

KEYSTONE BUMPERS, GROMMETS, & HOLE PLUGS

DIMENSIONS (IN.)



Rubber Grommets

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.) A	B	C	D	E	Price Each 1	1000	2500
534-730	A	.125	.187	.062	.312	.187	.09	.07	.06
534-733	A	.125	.250	.062	.343	.187	.08	.06	.05
534-734	A	.125	.437	.062	.625	.187	.87	.61	.52
534-735	A	.125	.375	.093	.500	.312	.32	.22	.19
534-736	A	.187	.312	.062	.437	.218	.10	.07	.06
534-731	A	.187	.312	.062	.437	.218	.10	.07	.06
534-737	A	.187	.281	.093	.437	.218	.25	.17	.15
534-738	A	.250	.437	.062	.625	.187	.25	.17	.15
534-739	A	.250	.375	.062	.562	.250	.13	.09	.08
534-740	A	.250	.375	.093	.500	.250	.22	.15	.13
534-741	A	.312	.562	.062	.812	.312	.46	.32	.27
534-742	A	.312	.437	.062	.625	.281	.18	.12	.11
534-743	A	.312	.437	.093	.625	.312	.27	.19	.16
534-744	A	.375	.625	.062	.875	.312	.49	.34	.29
534-745	A	.375	.500	.062	.625	.250	.14	.10	.08
534-732	A	.437	.562	.062	.750	.250	.18	.12	.11
534-746	A	.437	.687	.062	.937	.312	.55	.38	.33
534-747	A	.500	.812	.062	1.062	.312	.55	.38	.33
534-749	A	.500	.750	.093	.968	.281	.37	.24	.20
534-750	A	.562	.812	.062	1.062	.312	.67	.47	.38
534-752	A	.625	.875	.062	1.125	.312	.38	.25	.21
534-753	A	.625	1.250	.062	1.500	.250	1.00	.70	.60
534-755	A	.750	1.062	.062	1.375	.375	1.02	.72	.61
534-756	A	.750	1.437	.062	1.812	.375	2.48	1.57	1.34
534-757	A	.875	1.250	.062	1.625	.437	1.56	1.09	.93

Rubber Bumpers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions (In.) A	B	C	D	E	Price Each 1	100	1000
534-720	B	4	.25	.50	.25	.187	.125	.25	.12	.06
534-721	B	4	.25	.625	.312	.187	.125	.39	.19	.10
534-722	B	4	.25	.718	.437	.218	.125	.78	.39	.20
534-723	C	8	.375	.937	.375	.187	.187	.75	.38	.19

Metal Hole Plugs

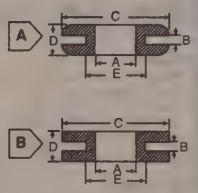
Plug chassis holes, wiring outlets, access holes, or unused openings.
Made of nickel-plated steel.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Hole Size (In.)	D (In.)	No. of Prongs	Price Each 1	100	500	1000
534-7600	D	1/4	13/32	6	.29	.26	.23	.15
534-7601	D	5/16	7/16	6	.29	.26	.23	.15
534-7602	D	3/8	1/2	6	.29	.26	.23	.15
534-7603	D	1/2	21/32	8	.32	.28	.23	.16
534-7604	D	5/8	13/16	8	.36	.32	.28	.18
534-7606	D	7/8	1 1/16	12	.41	.37	.31	.21
534-7607	D	1	1 9/64	12	.47	.42	.36	.24

RUBBER GROMMETS

Designed for insulating sharp edged holes to protect electrical cables and tubing.



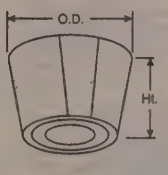
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.) A	B	C	D	E	Price Each 1	1000	2500
5167-208	A	9/32	1/16	9/16	1/4	3/8	.07	.05	.04
5167-211	A	3/16	1/16	7/16	1/4	5/16	.06	.04	.03
5167-159	B	1/4	1/16	5/8	3/8	7/16	.10	.07	.06
5167-210	A	3/8	1/16	5/8	1/4	1/2	.07	.05	.04

VINYL CABINET BUMPERS

Available in black or gray.
Replace the (_) in the part number with:
B for **Black** or **G** for **Medium Gray**

DIMENSIONS (IN.)

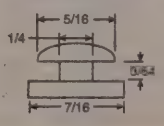


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	O.D.	Height	Screw Size	Price Each 1	100
5162-F4_	.562	.375	4	.35	.30
5162-F6_	.75	.437	6	.36	.31
5162-F8_	.937	.625	8	.57	.46
5162-SF6_	.687	.250	6	.29	.25
5162-SF8_	.875	.312	8	.39	.35
5162-SF10_	1.062	.437	10	.60	.44

RUBBER BUMPERS

DIMENSIONS (IN.)



MOUSER STOCK NO.	Price Each 1	100	1000	10000
5167-202	.070	.040	.030	.026

Hardware

ALTECH Liquid Tight Metal Strain Reliefs

Altech Corp.

Altech Corp.® METAL CABLE GLAND

Material:
- Body: Nickel-plated brass
- Seal: Neoprene
- Clamping insert: PA 6
- Sealing ring for outer thread: Nitril

Technical Properties:
- Seal rings included for PG and Metric sizes only
- Maximum strain relief through clamp rang
- Gas and water-tight
- Temperature Range: -25 to 120° C (-13 to 248° F)

Extended threads available.
Contact a Mouser Service Representative

PG Thread

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Cable Clamp Range mm	Cable Clamp Range In.	Price Each 1	25	50	100
845-4220351	4220351	A	PG 7	1.5 - 5	.059 - .197	1.85	1.80	1.74	1.69
845-4220307	4220307	A	PG 7	2.5 - 6.5	.098 - .256	2.74	2.66	2.58	2.50
845-4220352	4220352	A	PG 9	2.5 - 7	.098 - .276	1.97	1.91	1.86	1.80
845-4220309	4220309	A	PG 9	4 - 9.5	.157 - .374	1.80	1.75	1.70	1.64
845-4220353	4220353	A	PG 11	3 - 8.5	.118 - .335	2.30	2.23	2.16	2.09
845-4220311	4220311	A	PG 11	6 - 11.5	.236 - .453	2.30	2.23	2.16	2.09
845-4220354	4220354	A	PG 13	4 - 10	.157 - .394	2.64	2.56	2.48	2.40
845-4220313	4220313	A	PG 13	7 - 13	.276 - .512	2.48	2.41	2.34	2.26
845-4220355	4220355	A	PG 16	5 - 12	.197 - .472	3.16	3.07	2.98	2.88
845-4220316	4220316	A	PG 16	8 - 15	.315 - .591	3.09	3.00	2.91	2.82
845-4220356	4220356	A	PG 21	8 - 16	.315 - .630	4.45	4.32	4.19	4.06
845-4220321	4220321	A	PG 21	11 - 19	.433 - .748	4.28	4.16	4.03	3.91

NPT Thread

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Cable Clamp Range mm	Cable Clamp Range In.	Price Each 1	25	50	100
845-4220810	4220810	A	NPT 3/8"	2.5-7	.098-.276	2.74	2.66	2.58	2.50
845-4220800	4220800	A	NPT 3/8"	4-9.5	.157-.374	2.64	2.56	2.48	2.40
845-4220811	4220811	A	NPT 1/2"	4-10	.157-.394	3.93	3.81	3.70	3.58
845-4220801	4220801	A	NPT 1/2"	7-13	.276-.512	3.79	3.68	3.57	3.46
845-4220812	4220812	A	NPT 3/4"	5-13	.197-.512	4.95	4.80	4.66	4.51
845-4220802	4220802	A	NPT 3/4"	8-16	.315-.630	4.81	4.67	4.53	4.39
845-4220813	4220813	A	NPT 1"	7-17	.276-.669	12.55	12.18	11.81	11.44
845-4220803	4220803	A	NPT 1"	11-21	.433-.827	12.39	12.03	11.66	11.30

Metric Thread

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Cable Clamp Range mm	Cable Clamp Range In.	Price Each 1	25	50	100
845-4220712	4220712	A	M 12 x 1.5	1.5-5	.059-.197	2.28	2.21	2.14	2.08
845-4220612	4220612	A	M 12 x 1.5	2.5-6.5	.098-.256	2.11	2.05	1.98	1.92
845-4220716	4220716	A	M 16 x 1.5	2.5-7	.098-.276	2.47	2.39	2.32	2.25
845-4220616	4220616	A	M 16 x 1.5	4-9.5	.157-.374	3.20	3.10	3.01	2.91
845-4220720	4220720	A	M 20 x 1.5	4-10	.157-.394	3.20	3.10	3.01	2.91
845-4220620	4220620	A	M 20 x 1.5	7-13	.276-.512	2.79	2.71	2.62	2.54
845-4220725	4220725	A	M 25 x 1.5	5-13	.197-.512	5.53	5.36	5.20	5.04
845-4220625	4220625	A	M 25 x 1.5	8-16	.315-.630	4.88	4.74	4.59	4.45
845-4220732	4220732	A	M 32 x 1.5	7-17	.276-.669	9.55	9.27	8.99	8.71
845-4220632	4220632	A	M 32 x 1.5	11-21	.433-.827	8.36	8.12	7.87	7.63

Altech Corp.® EMC METAL CABLE GLAND

Material:
- Body: Nickel-plated brass
- Seal: Tefabloc
- Clamping ring for grounding connection: Tin-plated plastic
- Seal ring for outer thread: Nitril
- Characteristic feature: PG/Metric thread

Technical Properties:
- Continuous EMC protection due to tin-plated plastic
- Gas and water-tight
- Completely twist protected
- Combinable with various sealing inserts
- Temperature Range: -25 to 120° C (-13 to 248° F)

PG Thread

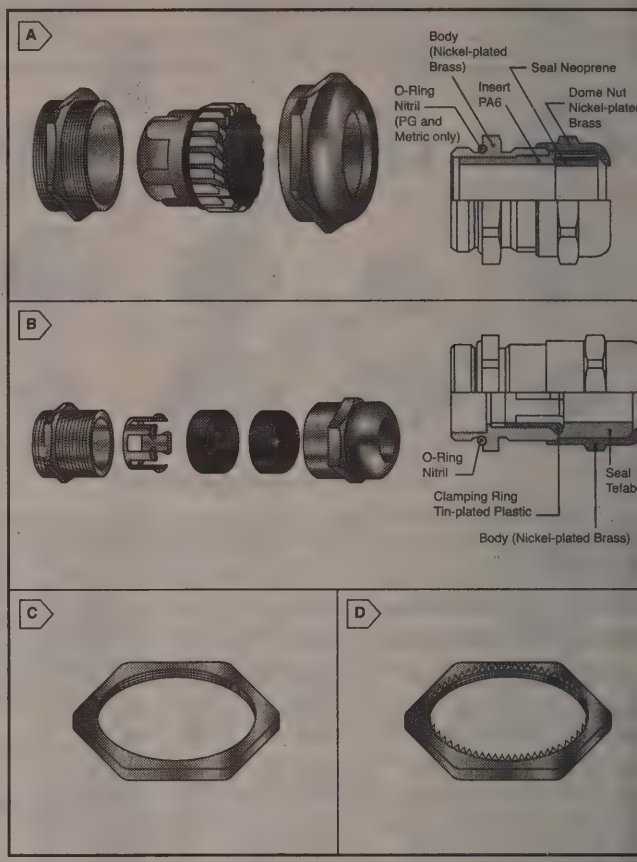
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Cable Clamp Range mm	Cable Clamp Range In.	Price Each 1	25	50	100
845-4264007	4264007	B	PG 7	4 -6.5	.157 - .256	3.74	3.63	3.52	3.41
845-4264009	4264009	B	PG 9	5 -8.5	.197 - .335	4.27	4.12	3.99	3.93
845-4264011	4264011	B	PG 11	7 -10.5	.276 - .413	5.54	5.38	5.22	5.05
845-4264013	4264013	B	PG 13	8 -12.5	.315 - .492	6.27	6.09	5.90	5.72
845-4264016	4264016	B	PG 16	10 -14.5	.394 - .571	6.85	6.65	6.45	6.25
845-4264021	4264021	B	PG 21	13.5 -18	.531 - .709	10.49	10.18	9.87	9.56
845-4264029	4264029	B	PG 29	17 -24	.669 - .945	19.02	18.46	17.90	17.34

Metric Thread

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Cable Clamp Range mm	Cable Clamp Range In.	Price Each 1	25	50	100
845-4264112	4264112	B	M 12 x 1.5	4 -6.5	.157 - .256	3.64	3.53	3.42	3.32
845-4264116	4264116	B	M 16 x 1.5	4 -6.5	.157 - .256	3.79	3.68	3.57	3.46
845-4264117	4264117	B	M 16 x 1.5	5 -8.5	.197 - .335	4.32	4.19	4.06	3.94
845-4264120	4264120	B	M 20 x 1.5	7 -10.5	.276 - .413	5.70	5.53	5.36	5.19
845-4264121	4264121	B	M 20 x 1.5	8 -12.5	.315 - .492	5.75	5.58	5.41	5.24
845-4264125	4264125	B	M 25 x 1.5	10 -14.5	.394 - .571	7.38	7.16	6.94	6.73
845-4264126	4264126	B	M 25 x 1.5	13.5 -18	.531 - .709	10.29	9.98	9.68	9.38
845-4264132	4264132	B	M 32 x 1.5	13.5 -18	.531 - .709	13.07	12.69	12.30	11.92
845-4264133	4264133	B	M 32 x 1.5	13.5 -18	.531 - .709	17.77	17.25	16.75	16.25



Altech Corp.® LOCK NUTS

Nickel-Plated Brass

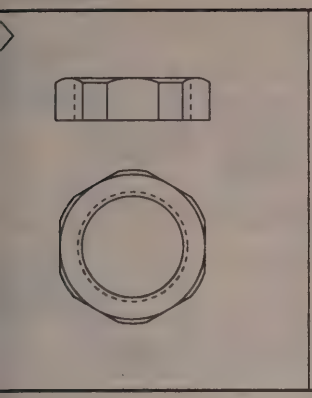
For quantities of 2000 and up, call for q

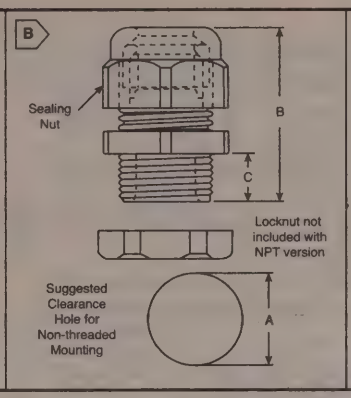
MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Price Each 1	25	50	1
PG (DIN 46 320)							
845-6000070	6000070	C	PG 7	.23	.21	.19	
845-6000096	6000096	C	PG 9	.25	.23	.20	
845-6000118	6000118	C	PG 11	.42	.38	.34	
845-6000134	6000134	C	PG 13.5	.59	.53	.48	
845-6000169	6000169	C	PG 16	.69	.63	.56	
845-6000215	6000215	C	PG 21	.71	.69	.67	
845-6000290	6000290	C	PG 29	.80	.78	.75	
Metric							
845-6004121	6004121	C	M 12 x 1.5	.23	.21	.19	
845-6004164	6004164	C	M 16 x 1.5	.25	.23	.27	
845-6004202	6004202	C	M 20 x 1.5	.42	.38	.34	
845-6004253	6004253	C	M 25 x 1.5	.59	.53	.54	
845-6004326	6004326	C	M 32 x 1.5	.69	.63	.67	

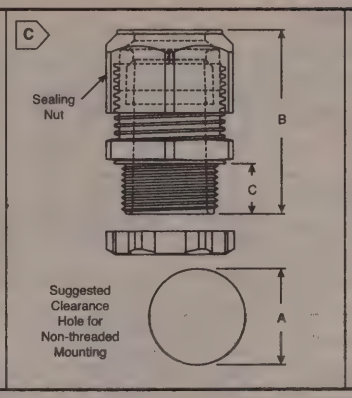
Ribbed Nickel-Plated Brass EMC Applications

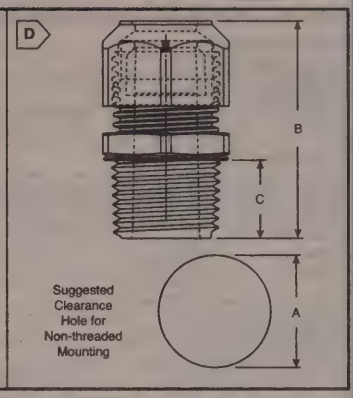
For quantities of 250 and up, call for q

MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Price Each 1	25	50	1
PG							
845-6011007	6011007	D	PG 7	.58	.56	.54	
845-6011009	6011009	D	PG 9	.60	.58	.56	
845-6011011	6011011	D	PG 11	.61	.59	.58	
845-6011013	6011013	D	PG 13.5	.65	.63	.61	
845-6011016	6011016	D	PG 16	.73	.71	.69	
845-6011021	6011021	D	PG 21	.99	.96	.93	
845-6011029	6011029	D	PG 29	1.46	1.42	1.38	1
Metric							
845-6011112	6011112	D	M 12 x 1.5	.67	.61	.54	
845-6011116	6011116	D	M 16 x 1.5	.70	.68	.66	
845-6011120	6011120	D	M 20 x 1.5	.90	.87	.85	
845-6011125	6011125	D	M 25 x 1.5	1.33	1.29	1.25	1
845-6011132	6011132	D	M 32 x 1.5	1.96	1.90	1.84	









YCO LIQUID TIGHT STRAIGHT-THRU CORDGRIPS

rips are for flexible cords.
in either clearance or threaded holes.

E-51579 E-51579 93876C

dgrips for PG Hubs

knuts are Included.

Cable Diameter Range (In.)		Black		Gray				Dimensions (In.)			Price Each			
Min.	Max.	MOUSER STOCK NO.	Heyco Part No.	MOUSER STOCK NO.	Heyco Part No.	Fig.	Description	A	B	C	1	10	50	100
0.064	0.210	836-3444	3444	836-3445	3445	B	RLTF 7	0.492	1.170	0.330	.83	.65	.54	.47
0.114	0.250	836-3207	3207	836-3208	3208	B	LTF 7	0.492	1.170	0.330	.83	.65	.54	.47
0.069	0.187	836-3446	3446	836-3447	3447	B	RLTF 9	0.599	1.300	0.340	.87	.69	.57	.49
0.181	0.312	836-3210	3210	836-3211	3211	B	LTF 9	0.599	1.300	0.340	.87	.69	.57	.49
0.069	0.250	836-3448	3448	836-3449	3449	B	RLTF 11	0.733	1.460	0.390	1.05	.83	.69	.60
0.230	0.395	836-3213	3213	836-3214	3214	B	LTF 11	0.733	1.460	0.390	1.05	.83	.69	.60
0.170	0.450	836-3216	3216	836-3217	3217	B	LTF 13.5	0.804	1.530	0.410	1.57	1.24	1.02	.87
0.230	0.530	836-3219	3219	836-3220	3220	B	LTF 16	0.886	1.660	0.450	1.32	1.05	.86	.76
0.250	0.490	836-3454	3454	836-3455	3455	B	RLTF 21	1.115	1.870	0.520	1.84	1.45	1.22	1.05
0.450	0.705	836-3222	3222	836-3223	3223	B	LTF 21	1.115	1.870	0.520	1.84	1.45	1.22	1.05
0.590	0.990	836-3225	3225	836-3226	3226	B	LTF 29	1.470	2.230	0.590	3.28	2.59	2.14	1.86

Nylon Locknuts, NPT Thread

For quantities of 250 and up, call for quote.

Black MOUSER STOCK NO.	Gray MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	50	100
836-8461	836-8462	A	NLN 3/8 NPT	.24	.18	.16	.14
836-8463	836-8464	A	NLN 1/2 NPT	.24	.18	.16	.14
836-8465	836-8466	A	NLN 3/4 NPT	.33	.26	.22	.20
836-8467	836-8468	A	NLN 1 NPT	.77	.62	.51	.44

dgrips for NPT Hubs

E-51579 E-51579 93876C

knuts are not Included.

For quantities of 250 and up, call for quote.

Cable Diameter Range (In.)		Black		Gray				Dimensions (In.)			Price Each			
Min.	Max.	MOUSER STOCK NO.	Heyco Part No.	MOUSER STOCK NO.	Heyco Part No.	Fig.	Description	A	B	C	1	10	50	100
0.069	0.187	836-3458	3458	836-3459	3459	B	RLTF 3/8	0.670	1.490	0.530	.78	.61	.52	.44
0.181	0.312	836-3228	3228	836-3229	3229	B	LTF 3/8	0.670	1.490	0.530	.78	.61	.52	.44
0.170	0.470	836-3231	3231	836-3232	3232	B	LTF 1/2	0.875	1.720	0.620	1.05	.83	.69	.60
0.230	0.546	836-3200	3200	836-3201	3201	B	LLTF 1/2	0.875	1.830	0.620	1.19	.95	.78	.67
0.450	0.709	836-3234	3234	836-3235	3235	B	LTF 3/4	1.068	1.970	0.630	1.67	1.31	1.09	.95
0.250	0.485	836-3460	3460	836-3461	3461	B	RLTF 3/4	1.068	1.970	0.630	1.67	1.31	1.09	.95
0.590	1.000	836-8437	8437	836-8438	8438	B	LTF 1	1.375	2.420	0.750	2.95	2.33	1.93	1.67

EYCO TITE" LIQUID TIGHT STRAIGHT-THRU CORDGRIPS

"Ratchet design" of sealing nut assembly provides superior anti-vibration protection and ensures a firm grip on the cable. Integral "Sealing Ring" ensures a superior seal at mounting location every time.

dgrips for PG Hubs

E-51579 93876C

knuts are not Included.

For quantities of 250 and up, call for quote.

Cable Diameter Range (In.)		Black		Gray				Dimensions (In.)			Price Each			
Min.	Max.	MOUSER STOCK NO.	Heyco Part No.	MOUSER STOCK NO.	Heyco Part No.	Fig.	Description	A	B	C	1	10	50	100
0.065	0.220	836-M3444	M3444	836-M3445	M3445	C	RLTCG 7	0.492	1.160	0.320	.89	.81	.74	.67
0.115	0.250	836-M3207	M3207	836-M3208	M3208	C	LTCG 7	0.492	1.160	0.320	.89	.81	.74	.67
0.065	0.187	836-M3446	M3446	836-M3447	M3447	C	RLTCG 9	0.599	1.250	0.320	.94	.85	.77	.70
0.105	0.312	836-M3210	M3210	836-M3211	M3211	C	LTCG 9	0.599	1.250	0.320	.94	.85	.77	.70
0.069	0.250	836-M3448	M3448	836-M3449	M3449	C	RLTCG 11	0.733	1.480	0.380	1.13	1.03	.94	.85
0.230	0.395	836-M3213	M3213	836-M3214	M3214	C	LTCG 11	0.733	1.480	0.380	1.13	1.03	.94	.85
0.095	0.260	836-M4500	M4500	836-M4501	M4501	C	RLTCG 13.5	0.804	1.500	0.410	1.24	1.13	1.03	.94
0.170	0.450	836-M3216	M3216	836-M3217	M3217	C	LTCG 13.5	0.804	1.500	0.410	1.24	1.13	1.03	.94
0.180	0.440	836-M4502	M4502	836-M4503	M4503	C	RLTCG 16	0.886	1.680	0.440	1.43	1.30	1.18	1.07
0.260	0.546	836-M3219	M3219	836-M3220	M3220	C	LTCG 16	0.886	1.680	0.440	1.43	1.30	1.18	1.07
0.250	0.485	836-M3454	M3454	836-M3455	M3455	C	RLTCG 21	1.115	1.890	0.520	1.98	1.80	1.64	1.49
0.485	0.409	836-M3222	M3222	836-M3223	M3223	C	LTCG 21	1.115	1.890	0.520	1.98	1.80	1.64	1.49
0.490	0.787	836-M4504	M4504	836-M4505	M4505	C	RLTCG 29	1.470	2.230	0.580	3.53	3.21	2.92	2.65
0.590	1.000	836-M3225	M3225	836-M3226	M3226	C	LTCG 29	1.470	2.230	0.580	3.53	3.21	2.92	2.65

dgrips for NPT Hubs

E-51579 93876C

knuts are not Included.

For quantities of 250 and up, call for quote.

Cable Diameter Range (In.)		Black		Gray				Dimensions (In.)			Price Each			
Min.	Max.	MOUSER STOCK NO.	Heyco Part No.	MOUSER STOCK NO.	Heyco Part No.	Fig.	Description	A	B	C	1	10	50	100
0.065	0.220	836-M3458	M3458	836-M3459	M3459	D	RLTCG 3/8	0.680	1.410	0.490	.84	.76	.69	.63
0.105	0.250	836-M3228	M3228	836-M3229	M3229	D	LTCG 3/8	0.680	1.410	0.490	.84	.76	.69	.63
0.095	0.317	836-M3231	M3231	836-M4519	M4519	D	RLTCG 1/2	0.875	1.700	0.610	1.13	1.03	.94	.85
0.170	0.312	836-M4518	M4518	836-M3232	M3232	D	LTCG 1/2	0.875	1.700	0.610	1.13	1.03	.94	.85
0.256	0.260	836-M3460	M3460	836-M3461	M3461	D	RLTCG 3/4	1.040	2.000	0.620	1.78	1.62	1.47	1.34
0.485	0.450	836-M3234	M3234	836-M3235	M3235	D	LTCG 3/4	1.040	2.000	0.620	1.78	1.62	1.47	1.34
0.490	0.485	836-M8439	M8439	836-M8440	M8440	D	RLTCG 1	1.326	2.410	0.760	3.17	2.88	2.62	2.38
0.590	0.709	836-M8437	M8437	836-M8438	M8438	D	LTCG 1	1.326	2.410	0.760	3.17	2.88	2.62	2.38

HEYCO Strain Reliefs

SELF-LOCKING STRAIN RELIEFS

For Flat Cables

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.		Description	Price Each			
				Hole Size	Max. Thickness		1	100	500	1000
836-1829	1829	A	SPT-1,SPT-2,HPN	.453 x .512	0.099	ST-100N	.20	.08	.07	.06
836-1834	1834	A	SPT-2,SPT-3	.689 x .689	0.157	ST-200N	.26	.13	.11	.10

For Round Cables

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.		Description	Price Each			
				Hole Size	Max. Thickness		1	100	500	1000
836-1832	1832	B	SV,SVT,HPD	.453 x .512	0.099	ST-101N	.20	.08	.07	.06
836-1836	1836	B	SJ,SJO,SJT	.689 x .689	0.157	ST-201N	.26	.13	.11	.10
836-1848	1848	B	SJT,STO,SEOW-A	.689 x .689	0.157	ST-301N	.26	.13	.11	.10

For Round and Flat Cables

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.		Description	Price Each			
				Hole Size	Max. Thickness		1	100	500	1000
836-1843	1843	C	Round, Flat SPT-3	1.142 X 1.142	0.032	LSR1939-300	.48	.44	.40	.36

For Round Cables (U-Shape Chassis Slot)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.		Description	Price Each			
				Hole Size	Max. Thickness		1	100	500	1000
836-1839	1839	D	SV,SVT,HPD	.453 x .512	0.062	ST-101A	.20	.08	.07	.06

LAY-IN STRAIN RELIEF FOR ROUND, FLAT, OR MULTIPLE CABLES UP TO .600"

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.		Description	Price Each			
				Hole Size	Max. Thickness		1	100	500	1000
836-1266	1266	E	--	.875 x .875	0.100	SR 8R-200	.62	.56	.50	.45

STRAIGHT-THRU STRAIN RELIEFS

For Round Cables

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.			Description	Price Each			
				Mounting Hole Dia. (A)	To Prevent Rotation (B)	Max. Thickness		1	100	500	1000
836-1157	1157	F	SV,SVT	0.500	0.450	0.062	SR 5MN-3	.13	.04	.03	.02
836-1150	1150	F	SV,SVT,HPD	.500 x .515	0.450	0.062	SR 5N-4	.13	.04	.03	.02
836-1147	1147	F	SV,SVT,HPD	.500 x .515	0.450	0.100	SR 5P-4	.13	.04	.03	.02
836-1184	1184	F	SJ,SJO,SJT	0.500	0.465	0.090	SR 6W-1	.13	.04	.03	.02
836-1217	1217	F	SJ,SJO,SJT	0.625	0.550	0.062	SR 6N-4	.17	.06	.05	.04
836-1210	1210	F	SJ,SJO,SJT	0.625	0.550	0.125	SR 6P-4	.17	.06	.05	.04
836-1200	1200	F	SJ,SJO,SJT	0.625	0.550	0.062	SR 6N3-4	.17	.06	.05	.04
836-1207	1207	F	SJ,SJO,SJT	0.625	0.550	0.125	SR 6P3-4	.17	.06	.05	.04
836-1214	1214	F	SJ,SJO,SJT	0.500	0.550	0.156	SR 6L-1	.17	.06	.05	.04
836-1240	1240	F	SJ,SJO,SJT	0.875	0.770	0.125	SR 7K-2	.22	.10	.09	.08
836-1244	1244	F	SJT,S,ST	0.750	0.660	0.062	SR 7N-2	.22	.10	.09	.08
836-1237	1237	F	SJT,S,ST	0.750	0.660	0.125	SR 7P-2	.22	.10	.09	.08
836-1247	1247	F	SJT,S,ST	0.875	0.770	0.125	SR 2W-2	.22	.10	.09	.08
836-1250	1250	F	SJT,S,ST	0.875	0.770	0.200	SR 7L-2	.24	.12	.10	.09
836-1497	1497	F	SJT	0.875	0.840	0.125	SR 31-2	.22	.10	.09	.08
836-1254	1254	F	S,ST	0.875	0.840	0.062	SR 8N-2	.28	.14	.13	.12
836-1260	1260	F	S,ST	0.875	0.840	0.125	SR 8P-2	.22	.10	.09	.08
836-1287	1287	F	S,ST,SO	1.093	1.000	0.281	SR 9P-2	.34	.20	.18	.16

For Flat Cables

For quantities of 2000 and up, call for quote.

836-1174	1174	G	HPN,SPT-2	0.562	0.530	0.125	SR 5W-1	.15	.05	.04	.03
836-1484	1484	G	SPT-2,SPT-3	0.560	0.730	0.125	SR 30-1	.17	.06	.05	.04
836-1517	1517	G	SPT-3	0.875	0.840	0.125	SR 34-2	.22	.10	.09	.08
836-1497	1497	G	SPT-3	0.875	0.840	0.125	SR 31-2	.22	.10	.09	.08

For Flat Cables With Flex-Protecting Internal Radii

For quantities of 2000 and up, call for quote.

836-1120	1120	G	SPT-1,HSN	0.500	0.465	0.062	SR 4N-4	.13	.04	.03	.02
836-1117	1117	G	SPT-1,HSN	0.500	0.465	0.100	SR 4K-4	.13	.04	.03	.02
836-1127	1127	G	SPT-1,SPT-2,HSN	0.500	0.465	0.156	SR 4L-4	.13	.04	.03	.02
836-1114	1114	G	SPT-1,SPT-2,HSN	0.500	0.460	0.095	SR 4K-1	.13	.04	.03	.02
836-1170	1170	G	SPT-2,SPT-3	0.562	0.530	0.062	SR 5KN-4	.15	.05	.04	.03
836-1167	1167	G	SPT-2,SPT-3	0.562	0.530	0.125	SR 5K-4	.15	.05	.04	.03
836-1160	1160	G	SPT-2	0.625	0.550	0.062	SR 6N4-4	.17	.06	.05	.04
836-1163	1163	G	SPT-2	0.625	0.550	0.125	SR 6P4-4	.17	.06	.05	.04

RIGHT ANGLE STRAIN RELIEFS

For Flat Cables

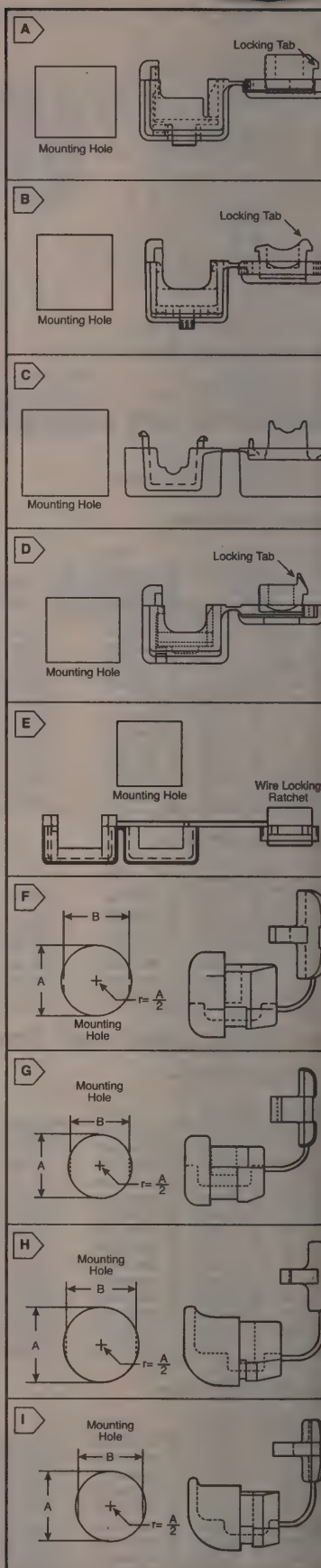
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.			Description	Price Each			
				Mounting Hole Dia. (A)	To Prevent Rotation (B)	Max. Thickness		1	100	500	1000
836-1361	1361	H	SPT-2,HSN	0.500	0.450	0.040	SR 14A-1	.20	.08	.07	.06
836-1364	1364	H	SPT-2,HSN	0.500	0.450	0.100	SR 14-1	.20	.08	.07	.06
836-1384	1384	H	SPT-2,SPT-3,HSN	0.562	0.525	0.125	SR 16-1	.28	.14	.13	.12
836-1424	1424	H	SPT-2,SPT-3	0.560	0.730	0.080	SR 20-1	.34	.20	.18	.16
836-1464	1464	H	SPT-3	0.875	0.840	0.125	SR 24-1	.36	.23	.21	.19

For Round Cables

For quantities of 2000 and up, call for quote.

836-1374	1374	I	SV,SVT,HPD	0.500	0.450	0.100	SR 15-1	.20	.08	.07	.06
836-1320	1320	I	SJ,SJO,SJT	0.625	0.550	0.125	SR 10-2	.28	.14	.13	.12
836-1327	1327	I	SJ,SJO,SJT	0.625	0.550	0.125	SR 11-2	.28	.14	.13	.12
836-1397	1397	I	SJ,S,ST	0.750	0.660	0.125	SR 17-2	.40	.34	.31	.28



HEYCO Strain Reliefs, Bushings, & Hole Plugs

HEYCO

GTAIL STRAIN RELIEFS FOR ROUND CABLES

For quantities of 2000 and up, call for quote.

OUSER OCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.			Description	Price Each			
				Mounting Hole Dia. (A)	To Prevent Rotation (B)	Max. Thickness		1	100	500	1000
-1590	1590	A	SV,SVT,HPD	0.500	0.450	0.062	SR 5N-7	.36	.23	.21	.19
-1593	1593	A	SV,SVT,HPD	0.500	0.450	0.125	SR 5P-7	.36	.23	.21	.19
-1602	1602	A	SJ,SJO,SJT	0.625	0.550	0.125	SR 6P-7	.75	.68	.61	.55
-1599	1599	A	SJ,SJO,SJT	0.625	0.550	0.062	SR 6N3-7	.75	.68	.61	.55
-1605	1605	A	SJ,SJO,SJT	0.625	0.550	0.125	SR 6P3-7	.75	.68	.61	.55
-1611	1611	A	SJ,S,ST	0.750	0.660	0.125	SR 7P-7	.75	.68	.61	.55

RAIN RELIEFS WITH CAPTIVE SCREW FOR ROUND OR FLAT CABLES

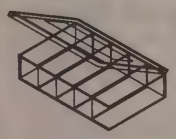
For quantities of 2000 and up, call for quote.

OUSER OCK NO.	Heyco Part No.	Fig.	Cable Size (In.)	Panel Dimensions: In.			Description	Price Each			
				Mounting Hole Dia. (A)	To Prevent Rotation (B)	Max. Thickness		1	100	500	1000
-1724	1724	B	up to .400 (round or flat)	0.875	0.770	0.125	USR-40	.48	.44	.40	.36
-1726	1726	B	up to .250 x .400 (flat)	0.875	0.770	0.125	USR-401	.48	.44	.40	.36
-1730	1730	B	up to .400 (round)	0.875	0.770	0.125	USR-40	.53	.48	.43	.39

RAIN RELIEF LABKIT

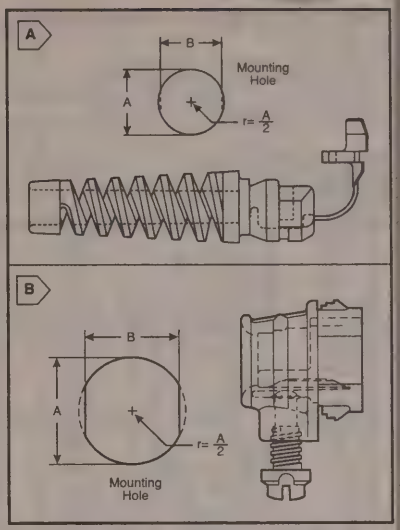
ct for product design departments, experimental and for all prototype work.
oximately 150 bushings in various styles and sizes.

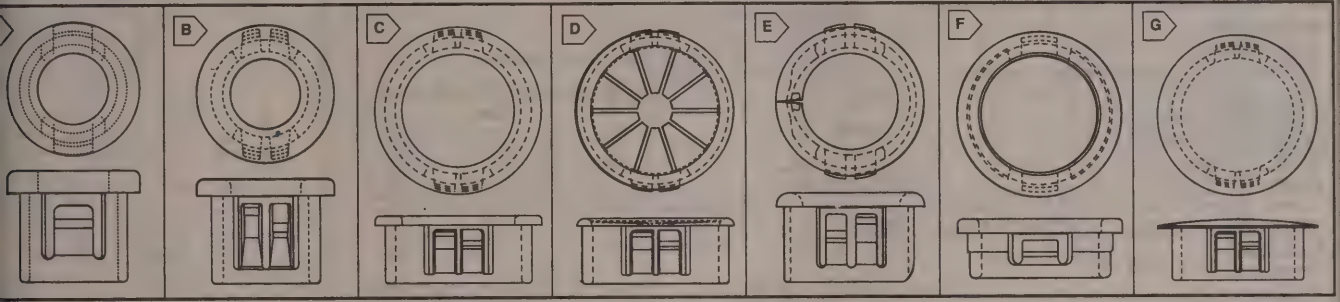
OUSER OCK NO.	Heyco Part No.	Price Each
-1999	1999	24.30



STRAIN RELIEF ASSEMBLY TOOLS

MOUSER STOCK NO.	Heyco Part No.	Price Each
For Hole Sizes Up to 7/8"		
836-0022	0022	40.48
For Hole Sizes 3/4" and Larger		
836-0030	0030	82.89





USHINGS

For quantities of 2000 and up, call for quote.

OUSER OCK NO.	Heyco Part No.	Fig.	Panel Dimensions: In.		Description	Price Each			
			Hole Size	Max. Thickness		1	100	500	1000
ap Bushings									
6-2000	2000	A	0.250	0.062	SB 250-2	.13	.04	.03	.02
6-2010	2010	A	0.312	0.062	SB 312-3	.13	.04	.03	.02
6-2020	2020	B	0.375	0.125	SB 375-3	.13	.04	.03	.02
6-2030	2030	B	0.375	0.125	SB 375-4	.13	.04	.03	.02
6-2043	2043	B	0.437	0.125	SB 437-5	.13	.04	.03	.02
6-2049	2049	B	0.500	0.125	SB 500-5	.13	.04	.03	.02
6-2053	2053	B	0.500	0.125	SB 500-6	.13	.04	.03	.02
6-2066	2066	B	0.562	0.125	SB 562-7	.15	.05	.04	.03
6-2073	2073	B	0.625	0.125	SB 625-8	.15	.05	.04	.03
6-2830	2830	A	0.625	0.280	SB 625-500	.17	.06	.05	.04
6-2086	2086	B	0.687	0.125	SB 687-9	.17	.06	.05	.04
6-2096	2096	B	0.750	0.125	SB 750-10	.17	.06	.05	.04
6-2840	2840	A	0.750	0.250	SB 750-625	.20	.08	.07	.06
6-2103	2103	C	0.812	0.125	SB 812-10	.17	.06	.05	.04
6-2120	2120	C	0.875	0.125	SB 875-9	.17	.06	.05	.04
6-2123	2123	C	0.875	0.125	SB 875-10	.17	.06	.05	.04
6-2126	2126	C	0.875	0.125	SB 875-11	.17	.06	.05	.04
6-2140	2140	C	1.000	0.125	SB 1000-12	.19	.07	.06	.05
6-2160	2160	C	1.125	0.125	SB 1093-13	.20	.08	.07	.06
6-2163	2163	C	1.125	0.125	SB 1093-14	.20	.08	.07	.06
6-2166	2166	C	1.125	0.125	SB 1093-15	.20	.08	.07	.06
6-2182	2182	C	1.870	0.125	SB 1187-15	.22	.10	.09	.08
6-2198	2198	C	1.250	0.125	SB 1250-15	.22	.10	.09	.08
6-2201	2201	C	1.250	0.125	SB 1250-16	.22	.10	.09	.08
6-2210	2210	C	1.375	0.125	SB 1375-16	.22	.10	.09	.08
6-2236	2236	C	1.500	0.125	SB 1500-18	.24	.12	.10	.09
6-2240	2240	C	1.500	0.125	SB 1500-21	.24	.12	.10	.09
6-2300	2300	C	1.750	0.125	SB 1750-22	.30	.16	.14	.13
6-2400	2400	C	2.000	0.125	SB 2000-26	.30	.16	.14	.13
6-2406	2406	C	2.000	0.125	SB 2000-28	.30	.16	.14	.13
6-2417	2417	C	2.250	0.250	SB 2.25-29	.42	.37	.33	.30
6-2420	2420	C	2.250	0.250	SB 2.5-31	.53	.48	.43	.39
6-2461	2461	C	3.000	0.250	SB 3.0-39	.79	.72	.65	.59
6-2470	2470	C	3.500	0.250	SB 3.5-47	.88	.82	.76	.74
6-2479	2479	C	4.000	0.250	SB 4.0-55	1.07	.97	.87	.78
iversal Bushings									
6-2077	2077	D	0.625	0.125	UB-625	.15	.05	.04	.03
6-2089	2089	D	0.750	0.125	UB-750	.19	.07	.06	.05
6-2106	2106	D	0.812	0.125	UB-812	.20	.08	.07	.06
6-2119	2119	D	0.875	0.125	UB-875	.20	.08	.07	.06
6-2137	2137	D	1.000	0.125	UB-1000	.21	.09	.08	.07
6-2157	2157	D	1.093	0.125	UB-1093	.22	.10	.09	.08
6-2184	2184	D	1.375	0.125	UB-1375	.26	.13	.11	.10

BUSHINGS (CONT.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	Panel Dimensions: In.		Description	Price Each			
			Hole Size	Max. Thickness		1	100	500	1000
Open/Closed Bushings									
836-2865	2865	E	0.375	0.125	OCB-375	.15	.05	.04	.03
836-2871	2871	E	0.500	0.125	OCB-500	.15	.05	.04	.03
836-2869	2869	E	0.562	0.125	OCB-562	.17	.06	.05	.04
836-2872	2872	E	0.625	0.125	OCB-625	.17	.06	.05	.04
836-2873	2873	E	0.750	0.125	OCB-750	.20	.08	.07	.06
836-2874	2874	E	0.875	0.125	OCB-875	.21	.09	.08	.07
836-2878	2878	E	1.000	0.125	OCB-1000	.22	.10	.09	.08
836-2879	2879	E	1.093	0.125	OCB-1093	.26	.13	.11	.10
836-2881	2881	E	1.250	0.125	OCB-1250	.30	.16	.14	.13
836-2882	2882	E	1.375	0.125	OCB-1375	.32	.17	.15	.14
836-2883	2883	E	1.500	0.125	OCB-1500	.34	.20	.18	.16
Shorty Bushings									
836-2800	2800	F	0.187	0.062	B 187-125	.13	.04	.03	.02
836-2810	2810	F	0.312	0.062	B 312-250	.13	.04	.03	.02
836-2803	2803	F	0.375	0.062	B 375-250	.13	.04	.03	.02
836-2820	2820	F	0.500	0.062	B 500-375	.13	.04	.03	.02
836-2824	2824	F	0.531	0.062	B 531-406	.15	.05	.04	.03
836-2827	2827	F	0.625	0.062	B 625-500	.15	.05	.04	.03
836-2836	2836	F	0.750	0.062	B 750-625	.17	.06	.05	.04
836-2850	2850	F	0.875	0.062	B 875-750	.17	.06	.05	.04

PLUGS

For quantities of 2000 and up, call for quote.

Dome Plugs									
836-2590	2590	G	0.187	0.062	DP-187	.13	.04	.03	.02
836-2603	2603	G	0.250	0.062	DP-250	.13	.04	.03	.02
836-2613	2613	G	0.312	0.062	DP-312	.13	.04	.03	.02
836-2617	2617	G	0.375	0.125	DP-375	.13	.04	.03	.02
836-2633	2633	G	0.437	0.125	DP-437	.13	.04	.03	.02
836-2643	2643	G	0.500	0.125	DP-500	.13	.04	.03	.02
836-2653	2653	G	0.562	0.125	DP-562	.15	.05	.04	.03
836-2663	2663	G	0.625	0.125	DP-625	.15	.05	.04	.03
836-2673	2673	G	0.687	0.125	DP-687	.17	.06	.05	.04
836-2683	2683	G	0.750	0.125	DP-750	.17	.06	.05	.04
836-2693	2693	G	0.812	0.125	DP-812	.17	.06	.05	.04
836-2703	2703	G	0.875	0.125	DP-875	.17	.06	.05	.04
836-2713	2713	G	1.000	0.125	DP-1000	.19	.07	.06	.05
836-2723	2723	G	1.093	0.125	DP-1093	.20	.08	.07	.06
836-2733	2733	G	1.125	0.125	DP-1187	.22	.10	.09	.08
836-2740	2740	G	1.187	0.125	DP-1250	.22	.10	.09	.08
836-2753	2753	G	1.250	0.125	DP-1375	.22	.10	.09	.08
836-2763	2763	G	1.375	0.125	DP-1500	.24	.12	.10	.09
836-2773	2773	G	1.500	0.125	DP-1750	.30	.16	.14	.13

THRU-HOLE MOUNT TEST POINTS - COLOR KEYED

Specifications:
- Color-Keyed for visibility and quick identification
- Economical choice for PC Test point terminations
- Snap-fit mounting provides positive retention for wave soldering
- Space saving, ultra low and low profile designs
- Ideal for reliable production testing and field service troubleshooting
- Wire form loop for safe, non-slip testing
- Practical replacement for wire-wrap posts and turrets
- Secure grip for J hooks, EZ hooks, grabbers, alligator clips, tips or probes
- Plastic base strengthens terminal for positive holding power

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Fig.	Mounting Hole (In.)	Mounting Center	Board Thickness (In.)	Color	Price Each 1	100	500	1000
Miniature	**Terminal: .010 x .020" Phosphor Bronze Wire, Tin Plate**				**Base: Glass Filled Nylon UL 94V-0**					
534-5000	5000	A	0.040	.100 x .100	.062 & .093	Red	.36	.18	.17	.11
534-5001	5001	A	0.040	.100 x .100	.062 & .093	Black	.36	.18	.17	.11
534-5002	5002	A	0.040	.100 x .100	.062 & .093	White	.36	.18	.17	.11
534-5003	5003	A	0.040	.100 x .100	.062 & .093	Orange	.36	.18	.17	.11
534-5004	5004	A	0.040	.100 x .100	.062 & .093	Yellow	.36	.18	.17	.11
Compact	**Terminal: .015 x .032" Phosphor Bronze Wire, Tin Plate**				**Base: Valox, UL 94V-0**					
534-5005	5005	B	0.063	.125 x .125	.062 & .093	Red	.38	.19	.17	.12
534-5006	5006	B	0.063	.125 x .125	.062 & .093	Black	.38	.19	.17	.12
534-5007	5007	B	0.063	.125 x .125	.062 & .093	White	.38	.19	.17	.12
534-5008	5008	B	0.063	.125 x .125	.062 & .093	Orange	.38	.19	.17	.12
534-5009	5009	B	0.063	.125 x .125	.062 & .093	Yellow	.38	.19	.17	.12
Multipurpose	**Terminal: .015 x .032" Phosphor Bronze Wire, Tin Plate**				**Base: Valox, UL 94V-0**					
534-5010	5010	C	0.063	.125 x .125	.062 & .093	Red	.38	.19	.17	.12
534-5011	5011	C	0.063	.125 x .125	.062 & .093	Black	.38	.19	.17	.12
534-5012	5012	C	0.063	.125 x .125	.062 & .093	White	.38	.19	.17	.12
534-5013	5013	C	0.063	.125 x .125	.062 & .093	Orange	.38	.19	.17	.12
534-5014	5014	C	0.063	.125 x .125	.062 & .093	Yellow	.38	.19	.17	.12

SMT TEST POINTS - TAPE AND REEL

5015 Specifications:
- Contact material: .010 Phosphor Bronze
- Contact Finish: Tin Lead
- Tape Material: 8mm wide, 4mm pitch conductive polycarbonate
- Reel size available = 1,000 pieces

5016 Specifications:
- Contact material: .015 Phosphor Bronze
- Contact Finish: Tin Lead
- Tape Material: 12mm wide, 4mm pitch conductive polycarbonate
- Reel size available = 1,000 pieces

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Fig.	Description	Price Each 1	100	500	1000
534-5015	5015	D	Miniature Ultra low profile	.19	.15	.13	.12
534-5016	5016	E	Compact unique design	.14	.13	.12	.11

STAINLESS STEEL CAPTIVE PANEL SCREWS

Specifications:
- Stainless Steel per ASTM-A581/A-582

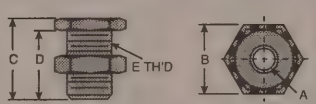
For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Fig.	Thread Size	Dimensions (In.) S.D. ±0.005	S.L. ±0.010	S.D. -0.005, -0.00	Price Each 1	100	500
534-8700	8700	F	4-40	0.078	0.375	0.036	2.06	1.85	1.63
534-8701	8701	F	4-40	0.078	0.500	0.036	2.06	2.02	1.71
534-8702	8702	F	4-40	0.078	0.625	0.036	2.25	2.07	1.76
534-8703	8703	F	6-32	0.095	0.375	0.045	1.80	1.61	1.40
534-8704	8704	F	6-32	0.095	0.500	0.045	1.94	1.77	1.50
534-8705	8705	F	6-32	0.095	0.625	0.045	2.05	1.89	1.62

MOUSER STOCK NO.	Keystone Part No.	Fig.	Thread Size	Dimensions (In.) T.L. -0.015	S.D. 0.005	S.L. ±0.010	P.D. -0.010	P.L. ±0.015	Price Each 1	100	500
534-8706	8706	G	4-40	0.125	0.078	0.171	0.078	0.078	1.70	1.54	1.35
534-8707	8707	G	4-40	0.125	0.078	0.296	0.078	0.078	1.92	1.76	1.62
534-8708	8708	G	4-40	0.125	0.078	0.421	0.078	0.078	1.97	1.78	1.55
534-8709	8709	G	6-32	0.218	0.095	0.187	0.095	0.093	1.84	1.62	1.45
534-8710	8710	G	6-32	0.218	0.095	0.312	0.095	0.093	1.98	1.80	1.58
534-8711	8711	G	6-32	0.218	0.095	0.437	0.095	0.093	2.11	1.89	1.65

PANEL BEARINGS

Specifications:
- Material: Brass, Nickel Plated (QQ-N-290)
- Supplied Unassembled

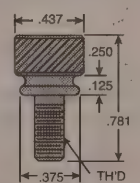


For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Description	Dimensions (In.) A	B	C	D	Price Each 1	100	500
534-1705	1705	3/8 - 32 Standard	.253	.437	.500	.437	.85	.76	.65
534-1706	1706	1/4 - 32 Miniature	.128	.343	.437	.375	1.06	.93	.80

THUMB SCREWS

Specifications:
For quick removal of panel from chassis.
- Material: Brass, Nickel Plated (QQ-N-290)

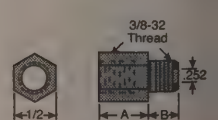


For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Thread Size	Price Each 1	100	500
534-1708	1708	6-32	1.18	1.02	.87
534-1709	1709	8-32	1.18	1.02	.87
534-1710	1710	10-32	1.18	1.02	.87

VOLUME CONTROL EXTENDERS

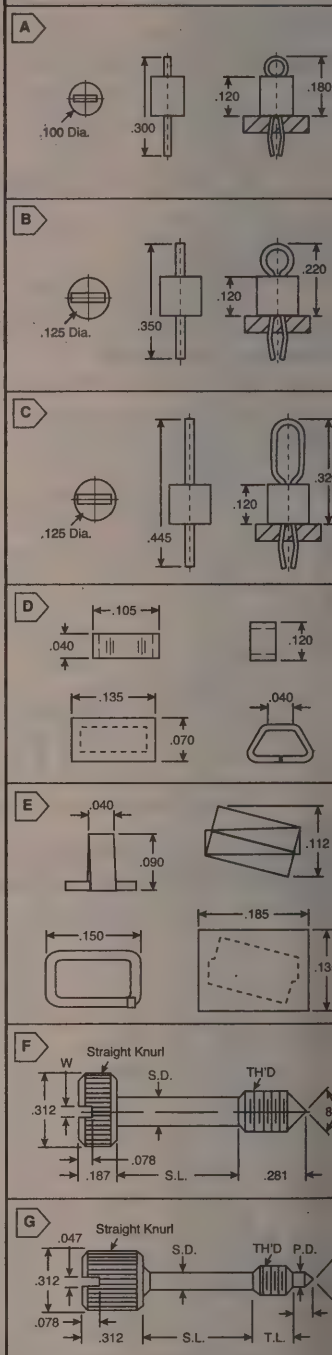
Specifications:
For 1/4" volume control shafts having 3/8-32 threaded bushings.
- Material: Brass, Nickel Plated (QQ-N-290)



For quantities of 1,000 and up, call for qu

MOUSER STOCK NO.	Keystone Part No.	A	B	Price Each 1	100	500
534-1464	1464	0.625	0.250	1.39	1.25	1.13
534-1465	1465	0.625	0.675	1.39	1.25	1.13
534-1466	1466	0.687	0.500	1.39	1.25	1.13
534-1467	1467	0.750	0.250	1.39	1.25	1.13

DIMENSIONS In.



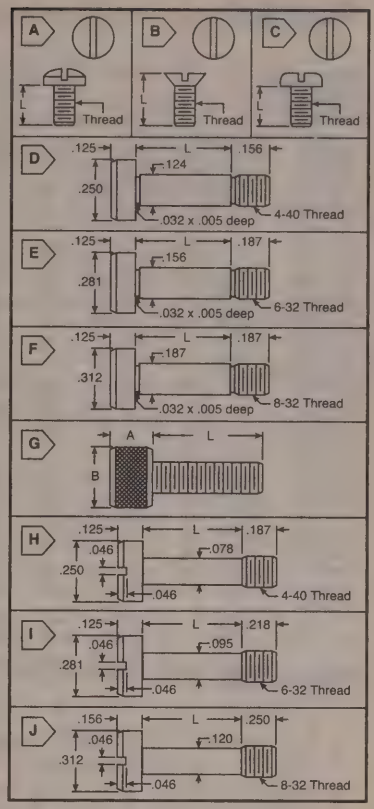
TEEL MACHINE SCREWS

DIMENSIONS IN.

ed for a variety of fastening applications to assure firm, electrical, and mechanical connections. Flat Head styles for use where fasteners cannot protrude above ing surfaces. Pan Head types to replace round head styles and for cosmetic enhancement and smooth surface area uses.

aterial: Steel, Zinc Plate • Specifications: Slotted Drive

Length "L" (In.)	Binding Head, Fig. A			Flat Head, Fig. B			Pan Head, Fig. C		
	MOUSER STOCK NO.	Price Each 1	100	MOUSER STOCK NO.	Price Each 1	100	MOUSER STOCK NO.	Price Each 1	100
6 Thread									
5	534-9455	.15	.07	534-9555	.14	.07	534-9355	.10	.05
0	534-9456	.16	.07	534-9556	.16	.08	534-9356	.12	.06
5	534-9457	.16	.08	534-9557	.22	.11	534-9357	.14	.07
0 Thread									
5	534-9400	.12	.06	534-9500	.14	.07	534-9300	.04	.02
75	534-9401	.14	.07	534-9501	.14	.07	534-9301	.06	.03
0	534-9402	.16	.08	534-9502	.16	.08	534-9302	.06	.03
25	534-9403	.16	.08	534-9503	.16	.08	534-9303	.06	.03
5	534-9404	.17	.08	534-9504	.16	.08	534-9304	.06	.03
0	534-9405	.23	.12	534-9505	.18	.09	534-9305	.08	.04
2 Thread									
875	534-9406	.07	.04	534-9506	.20	.10	534-9306	.06	.03
5	534-9407	.06	.03	534-9507	.06	.03	534-9307	.06	.03
75	534-9408	.07	.04	534-9508	.06	.03	534-9308	.06	.03
0	534-9409	.08	.04	534-9509	.08	.04	534-9309	.08	.04
25	534-9410	.08	.04	534-9510	.08	.04	534-9310	.08	.04
5	534-9411	.09	.05	534-9511	.08	.04	534-9311	.08	.04
0	534-9412	.10	.05	534-9512	.10	.05	534-9312	.08	.04
5	534-9413	.30	.15	534-9513	.12	.06	534-9313	.10	.05
0	534-9414	.58	.29	534-9514	.16	.08	534-9314	.16	.08
2 Thread									
75	534-9416	.09	.05	534-9516	.12	.06	534-9316	.08	.04
0	534-9417	.10	.05	534-9517	.08	.04	534-9317	.08	.04
25	534-9418	.11	.06	534-9518	.10	.05	534-9318	.10	.05
5	534-9419	.12	.06	534-9519	.10	.05	534-9319	.10	.05
0	534-9420	.13	.07	534-9520	.12	.06	534-9320	.10	.05
5	534-9421	.16	.08	534-9521	.16	.08	534-9321	.12	.06
0	534-9422	.35	.18	534-9522	.16	.08	534-9322	.16	.08
32 Thread									
0	534-9423	.18	.09	534-9523	.14	.07	534-9323	.12	.06
5	534-9424	.18	.09	534-9524	.16	.08	534-9324	.16	.08
0	534-9425	.20	.10	534-9525	.24	.12	534-9325	.18	.09
0	534-9426	.28	.14	534-9526	.30	.15	534-9326	.24	.12



HOULDER SCREWS

• Material: Stainless Steel per ASTM-A581/A582

OUSER OCK NO.	Fig.	Thread	Length	Price Each 1	100	MOUSER STOCK NO.	Price Each 1	100
OTTED						SOCKET		
-2421	D	4-40	0.125	1.27	.87	534-2441	1.70	1.30
-2422	D	4-40	0.250	1.41	1.01	534-2442	1.41	1.01
-2423	D	4-40	0.375	1.59	1.19	534-2443	1.59	1.19
-2424	D	4-40	0.500	1.68	1.28	534-2444	1.50	1.44
-2425	E	6-32	0.125	1.48	1.08	534-2445	2.22	1.82
-2426	E	6-32	0.250	1.78	1.38	534-2446	2.38	1.98
-2427	E	6-32	0.375	1.82	1.42	534-2447	2.43	2.03
-2428	E	6-32	0.500	1.87	1.47	534-2448	2.54	2.14
-2429	E	6-32	0.625	2.10	1.74	534-2449	2.38	1.98
-2430	E	6-32	0.750	2.22	1.82	534-2450	3.16	2.76
-2431	F	8-32	0.125	1.50	1.10	534-2451	1.96	1.56
-2432	F	8-32	0.250	1.64	1.24	534-2452	2.11	1.71
-2433	F	8-32	0.375	1.78	1.38	534-2453	2.48	2.08
-2434	F	8-32	0.500	1.78	1.38	534-2454	2.80	2.40
-2435	F	8-32	0.625	1.96	1.56	534-2455	2.85	2.45
-2436	F	8-32	0.750	2.46	2.06	534-2456	2.93	2.53
-2437	F	8-32	1.000	2.56	2.16	534-2457	3.61	3.21

UMB SCREWS

• Material: Stainless Steel per ASTM-A581/A582

OUSER OCK NO.	Fig.	Thread	Length	Dimensions A	B	Price Each 1	100
-2400	G	4-40	0.312	0.187	0.312	1.85	1.38
-2401	G	4-40	0.375	0.187	0.312	1.07	1.00

THUMB SCREWS (cont.)

MOUSER STOCK NO.	Fig.	Thread	Length	Dimensions A	B	Price Each 1	100
534-2402	G	4-40	0.437	0.187	0.312	2.25	1.60
534-2403	G	4-40	0.500	0.187	0.312	1.28	1.22
534-2404	G	6-32	0.312	0.187	0.312	.96	.86
534-2405	G	6-32	0.375	0.187	0.312	.96	.86
534-2406	G	6-32	0.437	0.187	0.312	1.25	1.12
534-2407	G	6-32	0.500	0.187	0.312	2.30	1.65
534-2408	G	8-32	0.375	0.187	0.375	2.65	1.93
534-2409	G	8-32	0.437	0.187	0.375	3.72	2.38
534-2410	G	8-32	0.500	0.187	0.375	3.72	2.38
534-2411	G	8-32	0.562	0.187	0.375	3.89	2.52
534-2412	G	8-32	0.625	0.187	0.375	3.89	2.52

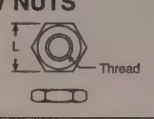
CAPTIVE SCREWS

• Material: Stainless Steel per ASTM-A581/A582

MOUSER STOCK NO.	Fig.	Thread	Length	Price Each 1	100
534-2413	H	4-40	0.469	1.65	1.26
534-2414	H	4-40	0.531	1.65	1.26
534-2415	I	6-32	0.531	1.74	1.38
534-2416	I	6-32	0.593	1.82	1.42
534-2417	I	6-32	0.656	1.79	1.39
534-2418	J	8-32	0.656	1.95	1.55
534-2419	J	8-32	0.718	2.00	1.60
534-2420	J	8-32	0.781	1.96	1.56

X MACHINE SCREW NUTS

terial: Steel, Zinc Plate

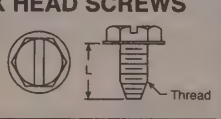


OUSER OCK NO.	Thread	Length	Price Each 1	100
4694	4-40	0.1875	.06	.03
9600	4-40	0.25	.03	.02
4701	6-32	0.25	.06	.03
9602	6-32	0.3125	.05	.02
9603	8-32	0.25	.05	.02
9604	8-32	0.3125	.05	.03
4705	10-32	0.375	.06	.03

SELF TAPPING HEX HEAD SCREWS

Highly versatile screw, used in wood, fiberglass and metal where machine thread inserts are not furnished.

- Material: Steel, Zinc Plate
- Specifications: Slotted Drive



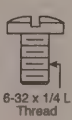
MOUSER STOCK NO.	Thread	Length	Price Each 1	100
534-9575	No. 4	0.375	.16	.08
534-9576	No. 6	0.375	.11	.05
534-9577	No. 6	0.50	.12	.06
534-9578	No. 8	0.375	.12	.06
534-9579	No. 8	0.50	.12	.06
534-9580	No. 10	0.375	.12	.06
534-9581	No. 10	0.50	.12	.06

BINDING HEAD SCREWS - COLORED HEAD

Specifications:

Ideal replacement of screws already installed where visual identification is critical.

- Material: Brass, Nickel Plate with Painted Color
- Specifications: Combination Drive



MOUSER STOCK NO.	Color	Price Each 1	100
534-9190-2	Red	.13	.07
534-9190-3	Black	.13	.07
534-9190-4	White	.13	.07
534-9190-5	Blue	.13	.07
534-9190-6	Green	.13	.07
534-9190-7	Yellow	.13	.07
534-8190-1	Nickel	.09	.05

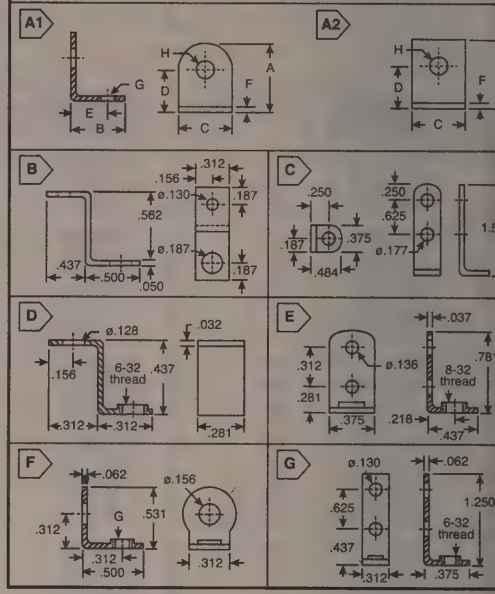
KEYSTONE Mounting Brackets, Handles, & Accessories

KEYSTONE MOUNTING BRACKETS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.) A	B	C	D	E	F	G Dia.	H Dia.	Material	Plating	Price Each 1	100	500
Clear Hole Universal Brackets														
534-633	A1	.375	.375	.281	.218	.218	.032	.140	.140	Brass	Nickel	.110	.06	.05
534-613	A1	.390	.453	.375	.234	.299	.032	.128	.147	Brass	Nickel	.39	.20	.17
534-615	A1	.420	.343	.281	.281	.203	.032	.125	.144	Brass	Tin	.15	.07	.06
534-4335	A1	.562	.562	.500	.412	.411	.062	.120	.120	Steel	Nickel	.29	.14	.13
534-4336	A1	.562	.562	.500	.412	.412	.062	.144	.144	Steel	Nickel	.29	.14	.13
534-618	A1	.628	.628	.375	.378	.378	.050	.169	.169	Brass	Nickel	.53	.27	.24
534-619	A1	.687	.687	.375	.500	.500	.032	.144	.144	Steel	Tin	.26	.13	.12
534-4326	A1	1.013	.487	.312	.816	.332	.050	.140	.140	Steel	Nickel	.41	.21	.17
534-620	A1	1.156	.656	.375	.906	.406	.032	.169	.169	Steel	Tin	.47	.23	.21
Clear Hole Board Brackets														
534-4325	B	---	---	---	---	---	---	---	---	Steel	Nickel	.47	.24	.22
534-1564	C	---	---	---	---	---	---	---	---	Steel	Nickel	.48	.24	.21
Threaded Brackets														
534-612	A2	.343	.375	.250	.203	.250	.062	4-40	.130	Steel	Zinc	.23	.11	.10
534-621	A2	.343	.375	.250	.203	.250	.062	4-40	4-40	Steel	Zinc	.30	.15	.14
534-616	A2	.453	.312	.250	.265	.187	.047	4-40	.136	Brass	Tin	.55	.27	.24
534-630	D	---	---	---	---	---	---	---	---	Brass	Tin	1.16	.58	.53
534-631	E	---	---	---	---	---	---	---	---	Steel	Tin	.53	.26	.23
534-634	A2	.375	.375	.281	.218	.218	.032	6-32	.140	Brass	Nickel	.45	.22	.19
534-614	A1	.420	.343	.312	.250	.197	.032	6-32	.144	Brass	Tin	.30	.15	.13
534-4334	A2	.562	.562	.500	.412	.412	.062	6-32	6-32	Steel	Nickel	.85	.43	.35
534-4332	F	---	---	---	---	---	---	6-32	---	Brass	Nickel	1.00	.50	.43
534-4333	F	---	---	---	---	---	---	8-32	---	Brass	Nickel	1.00	.50	.43
534-617	A1	.578	.500	.500	.328	.299	.062	6-32	.165	Steel	Tin	.54	.27	.23
534-611	A1	.375	.422	.312	.234	.250	.037	8-32	.135	Brass	Tin	.60	.30	.26
534-708	G	---	---	---	---	---	---	---	---	Steel	Nickel	.97	.48	.41

DIMENSIONS (IN.)

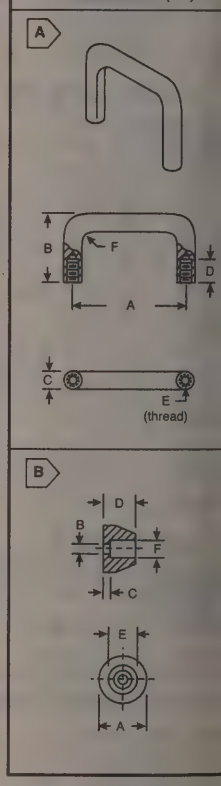


KEYSTONE ROUND INSTRUMENTATION HANDLES

For quantities of 1000 and up, call for quote.

Fig.	Dimensions (In.) A	B	C Dia.	D	E	F	Nickel Plated Brass MOUSER STOCK NO.	Price Each 1	10	100	500	Aluminum Black Anodize MOUSER STOCK NO.	Price Each 1	10	100	500
A	1.250	1.000	.156	.375	4-40	.156	534-7140	2.96	2.47	2.32	1.98	534-7170	2.45	2.04	1.90	1.62
A	2.000	1.000	.156	.375	4-40	.156	534-7141	3.14	2.62	2.43	2.08	534-7171	2.70	2.25	2.10	1.80
A	3.000	1.000	.156	.375	4-40	.156	534-7142	3.22	2.68	2.47	2.12	534-7172	2.75	2.29	2.12	1.83
A	1.250	.625	.187	.156	4-40	.187	534-9100	2.96	2.47	2.32	1.98	534-9110	2.45	2.04	1.90	1.62
A	1.500	.625	.187	.156	4-40	.187	534-9101	2.96	2.47	2.32	1.98	534-9111	2.45	2.04	1.90	1.62
A	1.500	.750	.187	.250	4-40	.187	534-9104	3.25	2.71	2.56	2.19	534-9114	2.69	2.24	2.10	1.79
A	1.750	.625	.187	.156	4-40	.187	534-9102	2.99	2.49	2.30	1.97	534-9112	2.58	2.15	1.98	1.70
A	2.000	.625	.187	.156	4-40	.187	534-9103	3.14	2.62	2.43	2.08	534-9113	2.70	2.25	2.10	1.80
A	1.250	1.000	.187	.250	6-32	.187	534-9106	3.25	2.71	2.56	2.19	534-9116	2.69	2.24	2.10	1.79
A	1.500	1.000	.187	.250	6-32	.187	534-9107	3.55	2.96	2.79	2.39	534-9117	2.95	2.46	2.28	1.94
A	2.000	1.000	.187	.250	6-32	.187	534-9108	3.47	2.89	2.67	2.29	534-9118	2.98	2.48	2.30	1.97
A	3.000	1.000	.187	.250	6-32	.187	534-9109	3.54	2.95	2.71	2.32	534-9119	3.02	2.52	2.32	1.99
A	3.000	1.500	.250	.562	8-32	.250	534-7143	3.66	3.05	2.83	2.41	534-7173	3.14	2.62	2.43	2.08
A	3.000	1.750	.250	.562	8-32	.250	534-485	3.66	3.05	2.83	2.41	534-515	3.14	2.62	2.43	2.08
A	3.500	1.500	.250	.562	8-32	.250	534-480	3.76	3.13	2.88	2.47	534-510	3.24	2.70	2.50	2.15
A	4.000	1.500	.250	.562	8-32	.250	534-7144	3.82	3.18	2.93	2.52	534-7174	3.42	2.85	2.62	2.25
A	4.000	1.750	.250	.562	8-32	.250	534-486	3.82	3.18	2.93	2.52	534-516	3.42	2.85	2.62	2.25
A	4.500	1.500	.250	.562	8-32	.250	534-481	3.91	3.26	3.00	2.60	534-511	3.52	2.93	2.69	2.33
A	4.500	1.750	.250	.562	8-32	.250	534-487	3.91	3.26	3.00	2.60	534-517	3.52	2.93	2.69	2.33
A	5.000	1.500	.250	.562	8-32	.250	534-482	4.02	3.35	3.10	2.68	534-512	3.60	3.00	2.82	2.42
A	5.000	1.750	.250	.562	8-32	.250	534-488	4.02	3.35	3.10	2.68	534-518	3.60	3.00	2.82	2.42
A	5.500	1.500	.250	.562	8-32	.250	534-483	4.09	3.41	3.17	2.76	534-513	3.72	3.10	2.88	2.49
A	6.000	1.500	.250	.562	8-32	.250	534-484	4.20	3.50	3.24	2.83	534-514	3.82	3.18	2.97	2.57
A	6.000	1.750	.250	.562	8-32	.250	534-489	4.20	3.50	3.24	2.83	534-519	3.82	3.18	2.97	2.57
A	3.000	1.500	.312	.562	10-32	.312	534-7145	4.08	3.40	3.15	2.69	534-7175	3.78	3.15	2.88	2.48
A	4.000	1.500	.312	.562	10-32	.312	534-7146	4.31	3.59	3.31	2.85	534-7176	3.95	3.29	3.01	2.59
A	4.000	1.750	.312	.562	10-32	.312	534-493	4.31	3.59	3.31	2.85	534-523	3.95	3.29	3.01	2.59
A	4.500	1.500	.312	.562	10-32	.312	534-490	4.43	3.69	3.41	2.93	534-520	4.06	3.38	3.12	2.68
A	4.500	1.750	.312	.562	10-32	.312	534-494	4.43	3.69	3.41	2.93	534-524	4.06	3.38	3.12	2.68
A	4.562	1.500	.312	.562	10-32	.312	534-7147	4.42	3.68	3.38	2.90	534-7177	4.00	3.33	3.11	2.67
A	5.000	1.500	.312	.562	10-32	.312	534-491	4.54	3.78	3.47	3.00	534-521	4.15	3.46	3.19	2.76
A	5.000	1.750	.312	.562	10-32	.312	534-495	4.54	3.78	3.47	3.00	534-525	4.15	3.46	3.19	2.76
A	5.500	1.500	.312	.562	10-32	.312	534-492	4.62	3.85	3.56	3.08	534-522	4.25	3.54	3.26	2.83
A	6.000	1.500	.312	.562	10-32	.312	534-7148	4.90	4.08	3.74	3.22	534-7178	4.14	3.45	3.17	2.72
A	6.000	1.750	.312	.562	10-32	.312	534-496	4.90	4.08	3.74	3.22	534-526	4.21	3.51	3.23	2.78
A	6.437	1.750	.312	.562	10-32	.312	534-7149	5.06	4.22	3.86	3.33	534-7179	4.24	3.53	3.24	2.79
A	4.000	1.375	.375	.375	10-32	.375	534-7150	4.75	3.96	3.65	3.14	534-7180	3.79	3.16	2.90	2.49
A	6.000	1.375	.375	.375	10-32	.375	534-7151	4.90	4.08	3.74	3.22	534-7181	4.21	3.51	3.23	2.78

DIMENSIONS (IN.)



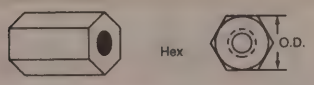
KEYSTONE FERRULES FOR ROUND HANDLES

- To protect and support panel surface

For quantities of 1000 and up, call for qu

Fig.	Dimensions (In.) For Diameter Thread	A	B	C Dia.	D	E	F	Nickel Plated Brass MOUSER STOCK NO.	Price Each 1	10	100	500	Aluminum Black Anodize MOUSER STOCK NO.	Price Each 1	10	100	50
B	.156 / 4-40	.250	.120	.047	.125	.200	.161	534-7162	.74	.62	.51	.44	534-7192	1.05	.87	.73	.62
B	.187 / 4-40	.312	.120	.062	.125	.265	.203	534-9120	.83	.69	.58	.49	534-9122	1.20	1.00	.84	.71
B	.187 / 6-32	.312	.144	.062	.125	.265	.203	534-9121	.83	.69	.58	.49	534-9123	1.20	1.00	.84	.71
B	.250 / 8-32	.375	.170	.062	.187	.320	.260	534-7163	.83	.69	.58	.49	534-7193	1.20	1.00	.84	.71
B	.312 / 10-32	.562	.196	.062	.250	.406	.320	534-7164	1.21	1.01	.84	.71	534-7194	1.24	1.03	.86	.73

X AND ROUND STANDOFFS



For quantities of 500 and up, call for quote.

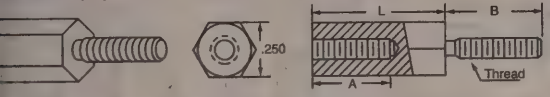
gth "L" n.)	Aluminum Clear Iridite Hex MOUSER STOCK NO.	Aluminum Clear Iridite Round MOUSER STOCK NO.	Price Each 1	Price Each 100	Brass Zinc Plate Hex MOUSER STOCK NO.	Brass Zinc Plate Round MOUSER STOCK NO.	Price Each 1	Price Each 100
Thread (.156 O.D.)								
7	534-1797A	534-1801A	.71	.35	534-1798A	534-1802A	.83	.41
0	534-1797B	534-1801B	.76	.38	534-1798B	534-1802B	.71	.35
2	534-1797C	534-1801C	.79	.39	534-1798C	534-1802C	1.08	.54
5	534-1797D	534-1801D	.82	.41	534-1798D	534-1802D	1.00	.50
Thread (.187 O.D.)								
0	534-1891	534-2025	.32	.16	534-1450	534-1547	.34	.17
5	534-1892	534-2026	.37	.18	534-1803	534-1864	.63	.31
0	534-1893	534-2027	.43	.22	534-1656	534-1657	.46	.23
5	534-1894	534-2028	.47	.23	534-1804	534-1865	.61	.31
0	534-1895	534-2029	.53	.26	534-1656A	534-1657A	.58	.29
5	534-1896	534-2030	.58	.29	534-1805	534-1866	.75	.38
00	534-1897	534-2031	.76	.38	534-1656B	534-1657B	.75	.38
Thread (.250 O.D.)								
0	534-2201	534-3478	.31	.16	534-1450A	534-1547A	.45	.23
5	534-2202	534-3479	.34	.17	534-1450B	534-1547B	.53	.26
0	534-2203	534-3480	.38	.19	534-1450C	534-1547C	.64	.32
5	534-1808	534-1839	.49	.25	534-1829	534-1867	.73	.36
0	534-2204	534-3481	.45	.23	534-1450D	534-1547D	.82	.41
5	534-1809	534-1846	.63	.31	534-1830	534-1876	.92	.46
00	534-2205	534-3482	.70	.35	534-1450E	534-1547E	1.02	.51
00	534-2206	534-3483	.72	.61	534-1831	534-1877	1.10	.98
00	534-2207	534-3484	1.37	.68	534-1832	534-1878	1.10	.98
2 Thread (.250 O.D.)								
0	534-2208	534-3485	.31	.16	534-1451A	534-1548A	.31	.16
5	534-2209	534-3486	.34	.17	534-1451B	534-1548B	.36	.18
0	534-2210	534-3487	.38	.19	534-1451C	534-1548C	.45	.23

For quantities of 500 and up, call for quote.

Length "L" (In.)	Aluminum Clear Iridite Hex MOUSER STOCK NO.	Aluminum Clear Iridite Round MOUSER STOCK NO.	Price Each 1	Price Each 100	Brass Zinc Plate Hex MOUSER STOCK NO.	Brass Zinc Plate Round MOUSER STOCK NO.	Price Each 1	Price Each 100
6-32 Thread (.250 O.D.) (cont.)								
.625	534-1813	534-1847	.49	.24	534-1451D	534-1548D	.61	.31
.750	534-2211	534-3488	.45	.23	534-1451E	534-1548E	.72	.36
.875	534-1816	534-1848	.48	.24	534-1833	534-1879	.74	.37
1.000	534-2212	534-3489	.70	.35	534-1635	534-1548F	.72	.36
1.250	534-1818	534-1853	.63	.54	534-1636	534-1881	.72	.67
1.500	534-2213	534-3490	.69	.60	534-1637	534-1882	.83	.76
1.750	534-1819	534-1855	.75	.64	534-1638	534-1883	1.04	.98
2.000	534-2214	534-3491	.82	.70	534-1639	534-1884	1.05	1.00
2.250	534-1820	534-1856	1.00	.86	534-1642	534-1885	1.10	1.05
2.500	534-1825	534-1857	1.00	.86	534-1643	- - - - - - -	1.10	1.05
8-32 Thread (.250 O.D.)								
.250	534-2215	534-3492	.31	.16	534-1474A	534-1692A	.54	.27
.375	534-2216	534-3493	.34	.17	534-1474B	534-1692B	.57	.28
.500	534-2217	534-3494	.38	.19	534-1474C	534-1692C	.72	.36
.625	534-1827	- - - - - - -	.49	.25	534-1834	534-1887	.82	.41
.750	534-2218	534-3495	.53	.27	534-1474D	534-1692D	.98	.49
.875	534-1828	534-1859	.66	.33	534-1836	534-1888	.94	.47
1.000	534-2219	534-3496	.70	.35	534-1474E	534-1692E	1.01	.50
1.500	534-2220	534-3497	.69	.60	534-1837	534-1889	1.10	.98
2.000	534-2221	534-3498	.69	.60	534-1838	534-1899	1.10	1.01
8-32 Thread (.375 O.D.)								
.375	534-1926A	534-2315A	.96	.48	534-1452A	534-1549A	1.06	.53
.500	534-1926B	534-2315B	1.01	.51	534-1452B	534-1549B	1.15	.57
.625	534-1926C	534-2315C	1.09	.55	534-1452C	534-1549C	1.31	.65
.750	534-1926D	534-2315D	1.17	.59	534-1452D	534-1549D	1.41	.71
1.000	534-1926E	534-2315E	1.40	.70	534-1452E	534-1549E	1.82	.91

EYSTONE HEX MALE/FEMALE THREADED STANDOFFS

IMENSIONS (IN.)



Thread Size	A (In.) Internal	B (In.) External
4-40	.250	.187
6-32	.375	.250
8-32	.375	.375

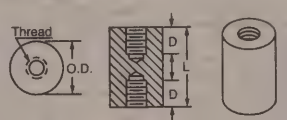
For quantities of 500 and up, call for quote.

ngth "L" n)	Stainless Steel MOUSER STOCK NO.	Stainless Steel Price Each 1	Stainless Steel Price Each 100	Brass Nickel Plate MOUSER STOCK NO.	Brass Nickel Plate Price Each 1	Brass Nickel Plate Price Each 100	Aluminum Clear Iridite MOUSER STOCK NO.	Aluminum Clear Iridite Price Each 1	Aluminum Clear Iridite Price Each 100
0 Thread									
250	534-8712	1.67	.90	534-8713	.48	.24	534-8714	.41	.21
375	534-2087	1.74	.94	534-7200	.53	.27	534-8400	.47	.24
500	534-2088	2.80	1.40	534-1944	.70	.35	534-8401	.66	.33
625	534-2089	2.92	1.46	534-1945	.70	.35	534-8402	.70	.35
750	534-2090	3.04	1.52	534-1946	.84	.42	534-8403	.72	.36
875	534-2091	3.15	1.58	534-7201	.85	.43	534-8404	.78	.39
000	534-2092	3.28	1.64	534-1947	.94	.47	534-8405	.82	.41
125	534-2093	3.19	1.60	534-7202	1.02	.51	534-8406	1.01	.50
250	534-2094	3.31	1.66	534-1948	1.47	.73	534-8407	1.02	.51
375	534-2095	3.44	1.72	534-1949	1.50	.75	534-8408	1.21	.61
500	534-2096	3.49	1.75	534-1950	1.57	.79	534-8409	1.24	.62
625	534-2097	3.55	1.77	534-7203	1.59	.79	534-8410	1.28	.64
750	534-2098	3.60	1.80	534-7205	1.77	.89	534-8411	1.30	.65
000	534-2099	3.75	1.87	534-1951	1.78	.89	534-8412	1.35	.67
2 Thread									
250	534-8715	2.05	1.03	534-8716	.47	.24	534-8717	.46	.23
375	534-2119	2.09	1.04	534-7210	.55	.28	534-8413	.49	.24
500	534-2120	2.24	1.12	534-1952	.60	.30	534-8414	.49	.25
625	534-2121	2.35	1.18	534-1953	.78	.38	534-8415	.62	.31
750	534-2122	2.71	1.36	534-1954	.80	.40	534-8416	.63	.31
875	534-2123	2.80	1.40	534-7211	.92	.46	534-8417	.68	.34
000	534-2124	2.82	1.41	534-1644	.95	.47	534-8418	.72	.36
125	534-2125	3.45	1.73	534-7212	1.01	.50	534-8419	.74	.37
250	534-2126	3.72	1.86	534-1955	1.19	.60	534-8420	.79	.39
375	534-2127	3.46	1.73	534-1956	1.29	.65	534-8421	.90	.45
500	534-2128	3.52	1.76	534-1645	1.31	.66	534-8422	1.03	.51
625	534-2129	3.53	1.76	534-7214	1.59	.79	534-8423	1.04	.52
750	534-2130	3.63	1.82	534-7215	1.77	.89	534-8424	1.09	.55
000	534-2131	3.77	1.89	534-1646	1.78	.89	534-8425	1.12	.56
32 Thread									
375	534-2149	2.96	1.48	534-7220	.64	.32	534-8426	.64	.32
500	534-2150	3.02	1.51	534-1957	.64	.32	534-8427	.66	.33
625	534-2151	3.07	1.54	534-1958	.90	.45	534-8428	.70	.35
750	534-2152	3.27	1.63	534-1959	.94	.47	534-8429	.75	.38
875	534-2153	3.49	1.75	534-7221	1.03	.57	534-8430	.83	.42
000	534-2154	3.56	1.78	534-1960	1.08	.54	534-8431	.89	.44
125	534-2155	5.02	2.51	534-7222	1.17	.59	534-8432	1.21	.60
250	534-2156	5.20	2.60	534-1961	1.47	.73	534-8433	1.25	.62
375	534-2157	5.32	2.66	534-1962	1.50	.75	534-8434	1.35	.67
500	534-2158	5.40	2.70	534-1963	1.57	.79	534-8435	1.36	.68
625	534-2159	5.48	2.74	534-7224	1.59	.79	534-8436	1.37	.69
750	534-2160	5.55	2.77	534-7225	1.77	.89	534-8437	1.39	.69
2.000	534-2161	5.75	2.87	534-1964	1.78	.89	534-8438	1.40	.70

KEYSTONE THREADED CERAMIC STANDOFFS

Features:

- Grade L5 Ceramic
- Ideal for very high temperature conditions
- Exceptional strength in compression and tension
- Withstands very high voltage without flashover



Commercial

For quantities of 1000 and up, call for quote.

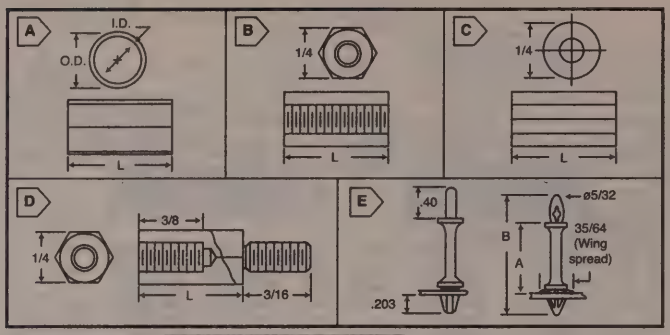
MOUSER STOCK NO.	Thread Size	Dimensions (In.) L	Dimensions (In.) O.D.	Dimensions (In.) D	Price Each 1	Price Each 100	Price Each 500
534-7710	6-32	.250	.250	Thru	2.52	1.26	1.17
534-7711	6-32	.500	.250	.156	2.82	1.41	1.31
534-7713	6-32	.500	.375	.187	2.45	1.22	1.14
534-7714	6-32	.500	.500	.140	2.67	1.34	1.24
534-7715	6-32	.750	.500	.250	2.82	1.41	1.31
534-7716	6-32	1.000	.500	.375	2.97	1.48	1.38
534-7717	6-32	1.500	.500	.582	3.56	1.78	1.65
534-7718	6-32	2.500	.500	.500	4.53	2.26	2.10
534-7719	1/4-20	2.500	.750	.750	6.46	3.23	3.00
534-7720	1/4-20	4.000	.750	.750	7.79	3.90	3.61

Military

- Military types meet MIL-1-010

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Thread Size	Dimensions (In.) L	Dimensions (In.) O.D.	Dimensions (In.) D	NL #	Price Each 1	Price Each 100
534-7661	6-32	.500	.375	.156	NL523W01-004	2.82	1.41
534-7663	8-32	.625	.500	.187	NL523W02-005	3.12	1.56
534-7664	6-32	.750	.375	.250	NL523W01-006	3.12	1.56
534-7665	8-32	.750	.500	.250	NL523W02-006	3.19	1.60
534-7666	6-32	1.000	.375	.375	NL523W01-008	3.19	1.60
534-7667	8-32	1.000	.500	.375	NL523W02-008	3.34	1.67
534-7668	10-32	1.000	.750	.375	NL523W03-008	5.27	2.63
534-7669	6-32	1.250	.375	.375	NL523W01-010	3.34	1.67
534-7670	8-32	1.250	.500	.375	NL523W02-010	3.49	1.74
534-7671	1/4-20	1.250	1.000	.437	NL523W04-010	7.72	3.86
534-7672	6-32	1.500	.375	.375	NL523W01-012	3.64	1.82
534-7673	8-32	1.500	.500	.375	NL523W02-012	3.93	1.97
534-7674	10-32	1.500	.750	.375	NL523W03-012	5.86	2.93
534-7675	1/4-20	1.500	1.000	.500	NL523W04-012	8.61	4.30
534-7676	6-32	2.000	.375	.375	NL523W01-016	4.01	2.00
534-7677	8-32	2.000	.500	.375	NL523W02-016	4.30	2.15
534-7678	10-32	2.000	.750	.375	NL523W03-016	6.46	3.23



KEYSTONE ALUMINUM SPACERS

- Precision rolled
- Square ends
- Tight joint on outside diameter
- No burrs

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Screw Size	I.D. ±.005	O.D. ±.007	Price Each 1	100	500	1000
534-397	A	3/16	4	.125	.167	.12	.06	.05	.03
534-398	A	1/4	4	.125	.167	.12	.06	.05	.03
534-399	A	5/16	4	.125	.167	.12	.06	.05	.03
534-400	A	3/8	4	.125	.167	.12	.06	.05	.03
534-402	A	1/2	4	.125	.167	.12	.06	.05	.03
534-403	A	5/8	4	.125	.167	.14	.07	.06	.04
534-418	A	3/4	4	.125	.167	.14	.07	.06	.04
534-420	A	1	4	.125	.167	.15	.07	.06	.04
534-405	A	1/4	6	.151	.193	.12	.06	.05	.03
534-406	A	5/16	6	.151	.193	.12	.06	.05	.03
534-407	A	3/8	6	.151	.193	.12	.06	.05	.03
534-409	A	1/2	6	.151	.193	.12	.07	.05	.03
534-425	A	3/4	6	.151	.193	.14	.07	.06	.04
534-427	A	1	6	.151	.193	.14	.07	.06	.04
534-412	A	1/4	8	.178	.232	.18	.09	.08	.05
534-414	A	3/8	8	.178	.232	.19	.10	.08	.05
534-416	A	1/2	8	.178	.232	.20	.10	.09	.05
534-417	A	5/8	8	.178	.232	.21	.11	.09	.05
534-432	A	3/4	8	.178	.232	.22	.11	.10	.06
534-434	A	1	8	.178	.232	.25	.13	.11	.07

KEYSTONE BRASS SPACERS

Round

- 1/4" O.D. round unthreaded
- Nickel plated
- Drilled for clearance of screw sizes shown in table

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Screw Size	I.D.	O.D.	Price Each 1	100	500	1000
534-1454A	C	1/4	4	.120	.250	.37	.19	.16	.09
534-1454C	C	1/2	4	.120	.250	.47	.24	.20	.12
534-1457A	C	1/4	6	.140	.250	.37	.19	.16	.09
534-1457B	C	3/8	6	.140	.250	.40	.20	.17	.10
534-1457C	C	1/2	6	.140	.250	.47	.24	.20	.12
534-1480	C	1/4	8	.171	.250	.37	.19	.16	.11
534-1481	C	3/8	8	.171	.250	.40	.20	.17	.101

Hex Threaded

- Zinc plated

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Screw Size	I.D.	O.D.	Price Each 1	100	500	1000
534-1450A	B	1/4	4-40	.125	.250	.45	.23	.19	.11
534-1450B	B	3/8	4-40	.125	.250	.53	.26	.22	.13
534-1450C	B	1/2	4-40	.125	.250	.64	.32	.27	.16
534-1829	B	5/8	4-40	.125	.250	.73	.36	.31	.19
534-1451A	B	1/4	6-32	.151	.250	.31	.16	.13	.10
534-1451B	B	3/8	6-32	.151	.250	.36	.18	.15	.12
534-1451C	B	1/2	6-32	.151	.250	.45	.23	.19	.15
534-1451D	B	5/8	6-32	.151	.250	.61	.31	.26	.20
534-1451E	B	3/4	6-32	.151	.250	.72	.36	.30	.23
534-1635	B	1	6-32	.151	.250	.72	.36	.31	.24
534-1474A	B	1/4	8-32	.178	.250	.54	.27	.23	.14
534-1474B	B	3/8	8-32	.178	.250	.57	.28	.24	.14
534-1474C	B	1/2	8-32	.178	.250	.72	.36	.31	.18
534-1834	B	5/8	8-32	.178	.250	.82	.41	.35	.21
534-1474D	B	3/4	8-32	.178	.250	.98	.49	.42	.25
534-1474E	B	1	8-32	.178	.250	1.01	.50	.43	.26

Hex Male/Female Threaded

- Can be used as grounded PCB mounts
- Nickel plated

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Screw Size	I.D.	O.D.	Price Each 1	100	500	1000
534-1944	D	1/2	4-40	.125	.250	.70	.35	.30	.18
534-1945	D	5/8	4-40	.125	.250	.70	.35	.30	.18
534-1946	D	3/4	4-40	.125	.250	.84	.42	.36	.22
534-1947	D	1	4-40	.125	.250	.94	.47	.40	.24

KEYSTONE NYLON SPACER SUPPORTS

- Fire retardant nylon
- For 1/16" PCB thickness
- Easy PCB mounting
- Flexible
- Max. chassis thickness: .07"

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.) A	B	Price Each 1	100	500	1000
534-1927A	E	.250	.937	.14	.07	.06	.04
534-1928A	E	.375	1.062	.14	.07	.06	.04
534-1929A	E	.500	1.187	.15	.08	.07	.04
534-1930A	E	.625	1.312	.17	.09	.07	.05

KEYSTONE FIBER WASHERS

Material: Commercial grade fiber per ASTM D710.

Flat Washers

For quantities of 10000 and up, call for q

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions (In.) A	B	C	Price Each 1	100	1000	50
534-3368	F	4	.120	.250	.0625	.05	.03	.02	.0
534-3201	F	6	.140	.375	.0625	.06	.04	.03	.0
534-3372	F	8	.171	.375	.0625	.06	.04	.03	.0
534-3208	F	10	.196	.375	.0625	.06	.04	.03	.0
534-3373	F	1/4	.260	.500	.0625	.07	.04	.03	.0
534-3222	F	3/8	.385	.625	.0625	.07	.04	.03	.0

Shoulder Washers

For quantities of 10000 and up, call for q

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions (In.) A	B	C	D	E	Price Each 1	100	1000	50
534-3062	G	4	.115	.250	.062	.031	.187	.14	.07	.03	.0
534-4698	G	6	.140	.250	.093	.031	.187	.07	.04	.03	.0
534-3233	G	6	.140	.375	.093	.031	.240	.14	.07	.05	.0
534-3065	G	8	.170	.375	.093	.031	.246	.11	.06	.04	.0
534-4702	G	10	.194	.375	.093	.031	.308	.09	.05	.04	.0
534-4711	G	1/4	.253	.500	.093	.031	.308	.08	.05	.04	.0
534-3069	G	3/8	.385	.625	.093	.031	.498	.14	.07	.05	.0

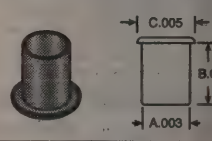
KEYSTONE NYLON WASHER

For quantities of 10000 and up, call for q

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions (In.) A	B	C	D	E	Price Each 1	100	1000	50
534-3049	G	4	.115	.218	.071	.031	.135	.08	.04	.03	.0

KEYSTONE WIDE ROLL EYELETS

Highest engineering standards maintained to produce these eyelets to uniform dimensions. Guaranteed to be within listed tolerances. A choice of most popular sizes in general use for electronic circuitry.



Features:

- Material: brass
- Plating: bright electro tin, Mil-F-14072
- Precision made
- Solderability retained indefinitely

MOUSER STOCK NO.	Hole Size of Material to be Eyeleted	Dimensions (In.) A I.D.	A O.D.	B	C	Price Each 1	100	500	100
534-22	1/16	.045	.059	.062	.105	.06	.04	.03	.02
534-23	1/16	.045	.059	.093	.105	.06	.04	.03	.02
534-24	1/16	.045	.059	.125	.105	.06	.04	.03	.02
534-25	1/16	.045	.059	.156	.105	.07	.04	.03	.02
534-26	1/16	.045	.059	.187	.105	.07	.04	.03	.02
534-27	1/16	.045	.059	.219	.105	.06	.04	.03	.02
534-33	3/32	.070	.089	.093	.150	.06	.04	.03	.02
534-34	3/32	.070	.089	.125	.150	.06	.04	.03	.02
534-35	3/32	.070	.089	.156	.150	.06	.04	.03	.02
534-36	3/32	.070	.089	.187	.150	.06	.04	.03	.02
534-37	3/32	.070	.089	.219	.150	.07	.04	.03	.02
534-43	1/8	.102	.121	.093	.200	.07	.04	.03	.02
534-44	1/8	.102	.121	.125	.200	.07	.04	.03	.02
534-45	1/8	.102	.121	.156	.200	.07	.04	.03	.02
534-46	1/8	.102	.121	.187	.200	.07	.04	.03	.02
534-47	1/8	.102	.121	.219	.200	.08	.05	.04	.03
534-48	1/8	.102	.121	.250	.200	.08	.05	.04	.03

KEYSTONE "BASIC" STAKING TOOL KIT

For single end terminals, eyelets, or rivets

Each Kit Contains:

- (2) 1/4" staking tools (for shank diameters of .062" to .098" & .110" to .125" respectively)
- (2) bottom anvils
- (1) toolholder
- (1) instructions

MOUSER STOCK NO.	Price Each 1	5
534-1721	23.51	21.15

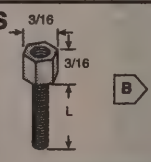
Features:

- Build terminal boards
- Mount components quickly
- Repair circuits
- Make prototypes at your desk

KEYSTONE JACK SCREWS

Equivalent to Amp, Cannon, and TRW jack screws.

- Meets MIL-C-24308/26
- Material: steel and zinc plate



DIMENSIONS (IN.)

* Jack Screw with Hardware

For quantities of 1000 and up, call for qu

MOUSER STOCK NO.	Fig.	Description	Length (In.)	Price Each 1	10	100	500
534-7228	A	Gold iridite	.250	.37	.18	.16	.11
*534-7229	B	Gold iridite	.250	.48	.24	.21	.13
*534-7229-5	B	Clear chromate	.250	.48	.24	.21	.13
534-7230	A	Gold iridite	.312	.20	.17	.14	.12
534-7230-5	A	Clear chromate	.312	.20	.17	.14	.12
*534-7231	B	Gold iridite	.312	.28	.23	.19	.17
*534-7231-5	B	Clear chromate	.312	.28	.23	.19	.17
534-7232	A	Gold iridite	.625	.54	.45	.37	.32
534-7232-5	A	Clear chromate	.625	.54	.45	.37	.32
*534-7233	B	Gold iridite	.625	.61	.51	.43	.37
*534-7233-5	B	Clear chromate	.625	.61	.51	.43	.37

EYSTONE Swage Standoffs & Standardized Terminals

KEYSTONE ELECTRONICS CORP

/AGE THREADED STANDOFFS

ifications:
ss: per ASTM-B16
el Plate: QQ-N-290

For quantities of 5000 and up, call for quote.

OUSER STOCK NO. / Mfr. Part No.	Fig.	"H" Height above Panel	"L" Shank Length	Panel Thickness	"LD" Shank Diameter	Price Each 1	100	500	1000
nd 2-56 Thread x .156 O.D. (5/32")									
—1589-2	A	0.125	0.109	1/16	0.125	.45	.23	.19	.11
—1590-2	A	0.187	0.109	1/16	0.125	.45	.23	.19	.17
—1591-2	A	0.250	0.109	1/16	0.125	.42	.21	.18	.14
2-56 Thread x .156 O.D. (5/32")									
—1731-2	B	0.125	0.109	1/16	0.125	.39	.19	.16	.13
—1740-2	B	0.250	0.109	1/16	0.125	.52	.26	.22	.15
nd 4-40 Thread x .187 O.D. (3/16")									
—2260-2	A	0.125	0.109	1/16	0.139	.47	.23	.18	.12
—2262-2	A	0.250	0.109	1/16	0.139	.47	.23	.18	.12
—2263-2	A	0.375	0.109	1/16	0.139	.50	.25	.20	.13
—2264-2	A	0.500	0.109	1/16	0.139	.55	.27	.22	.14
4-40 Thread x .187 O.D. (3/16")									
—2270-2	B	0.125	0.109	1/16	0.139	.48	.24	.19	.12
—2272-2	B	0.250	0.109	1/16	0.139	.51	.25	.20	.13
—2274-2	B	0.500	0.109	1/16	0.139	.63	.31	.25	.16
nd 4-40 Thread x .250 O.D. (1/4")									
—1560A	A	0.125	0.109	1/16	0.187	.30	.15	.13	.09
—1790-2	A	0.187	0.109	1/16	0.187	.42	.20	.17	.11
—1650-2	A	0.250	0.109	1/16	0.187	.38	.19	.16	.10
—1623-2	A	0.500	0.109	1/16	0.187	.74	.36	.31	.18
—1625-2	A	0.750	0.109	1/16	0.187	.87	.43	.36	.22
—1652-2	A	1.000	0.109	1/16	0.187	1.03	.51	.43	.26
4-40 Thread x .250 O.D. (1/4")									
—1653-2	B	0.125	0.109	1/16	0.187	.31	.15	.13	.095
—1746-2	B	0.187	0.109	1/16	0.187	.46	.23	.21	.118
—1627-2	B	0.250	0.109	1/16	0.187	.45	.22	.19	.121
—1629-2	B	0.500	0.109	1/16	0.187	.64	.32	.27	.186
—1655-2	B	0.750	0.109	1/16	0.187	.68	.34	.29	.235
—1630-2	B	1.000	0.109	1/16	0.187	.95	.48	.40	.272
nd 6-32 Thread x .250 O.D. (1/4")									
—1560B	A	0.125	0.109	1/16	0.187	.31	.27	.24	.22
—1546	A	0.250	0.109	1/16	0.187	.38	.19	.16	.10
—1561B	A	0.375	0.109	1/16	0.187	.46	.40	.36	.32
—1604-2	A	0.500	0.109	1/16	0.187	.60	.30	.25	.17
—1608-2	A	0.750	0.109	1/16	0.187	.87	.43	.36	.22
6-32 Thread x .250 O.D. (1/4")									
—1620-2	B	0.125	0.109	1/16	0.187	.44	.21	.18	.11
—1621-2	B	0.250	0.109	1/16	0.187	.60	.29	.25	.15
—1758-2	B	0.500	0.109	1/16	0.187	.61	.30	.26	.17
—1761-2	B	0.750	0.109	1/16	0.187	.73	.36	.31	.24

ANDARDIZED TERMINALS

cifications:
terial: Free Cutting Brass- ASTM-B16
ing: Bright Electro-Tin per MIL-T-10727 Type 1

Features:
- Swage and thread mounting types available
- Bright tin plated for extended shelf life and excellent solderability
- Wide variety of sizes to suit space and wire size requirements

For quantities of 5000 and up, call for quote.

OUSER STOCK NO. / Mfr. Part No.	Fig.	Description	Uses Staking Tool #	Board Thickness	"L" Shank Length	Price Each 1	100	500	1000
gle & Double Turret Series									
—1528-1	C	Single	Special Order	0.032	0.051	.14	.070	.057	.029
—1528-2	C	Single	Special Order	0.062	0.082	.14	.070	.057	.031
—1528-4	C	Single	Special Order	0.125	0.145	.14	.070	.057	.029
—1502-1	D	Double	534-TL-2	0.032	0.078	.17	.088	.071	.053
—1502-2	D	Double	534-TL-2	0.062	0.109	.17	.088	.071	.046
—1502-3	D	Double	534-TL-2	0.093	0.141	.17	.088	.071	.046
—1502-4	D	Double	534-TL-2	0.125	0.172	.17	.088	.071	.045
ular (Hollow) Turret Series									
—1540-2	E	Tubular	534-TL-5	0.062	0.109	.28	.14	.11	.073
—1540-4	E	Tubular	534-TL-5	0.125	0.172	.28	.14	.11	.073
—1509-2	F	Tubular	534-TL-8	0.062	0.109	.37	.18	.14	.09
—1509-4	F	Tubular	534-TL-8	0.125	0.172	.37	.18	.14	.09

AKING TOOLS

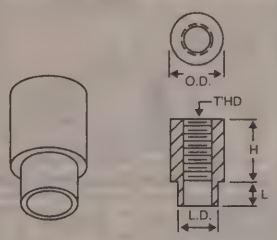
cifications:
nufactured from steel with zinc plate
ch and anvil are precision machined and hardened to ensure long life

For quantities of 6 and up, call for quote.

OUSER STOCK NO. / Mfr. Part No.	Fig.	Description	Price Each 1	5
—TL-2	G	Top staking punch and anvil for standardized terminals	10.24	9.22
—TL-5	G	Top staking punch and anvil for standardized terminals	10.24	9.22
—TL-8	G	Top staking punch and anvil for standardized terminals	10.24	9.22
—TL-19	G	For swage standoffs, .187" OD, 2-56 thread	10.24	9.22
—TL-20	G	For swage standoffs, .25" OD, 4-40 thread	10.24	9.22
—TL-21	G	For swage standoffs, .25" OD, 6-32 thread	10.24	9.22

DIMENSIONS IN.

A



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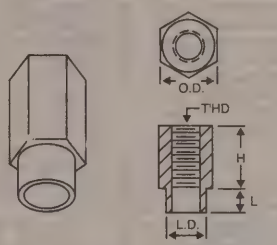

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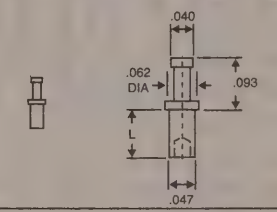

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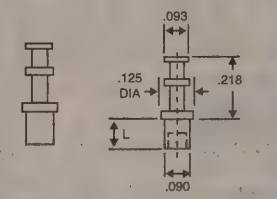

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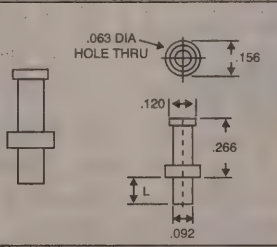

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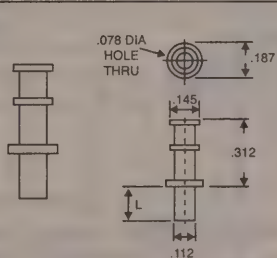

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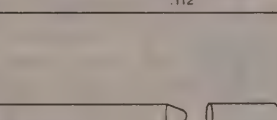
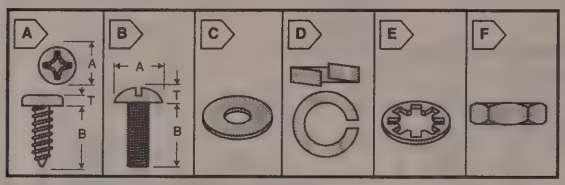


ZINC PLATED HARDWARE

High quality zinc-plated steel fasteners available for your production needs and conveniently packaged 100 pieces per box.



Phillips Pan Head Sheet Metal Screws

• Sold per box of 100 only

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions A	B	T	Price Per Box 1	5	10	25
5721-4-3/8	A	4	0.205	3/8	0.030	2.40	2.00	1.60	1.12
5721-4-1/2	A	4	0.205	1/2	0.030	2.76	2.30	1.84	1.29
5721-4-3/4	A	4	0.205	3/4	0.030	3.15	2.63	2.10	1.47
5721-6-3/8	A	6	0.256	3/8	0.037	2.64	2.20	1.76	1.23
5721-6-1/2	A	6	0.256	1/2	0.037	2.85	2.38	1.90	1.33
5721-6-3/4	A	6	0.256	3/4	0.037	3.27	2.73	2.18	1.53
5721-8-3/8	A	8	0.306	3/8	0.045	3.27	2.73	2.18	1.53
5721-8-1/2	A	8	0.306	1/2	0.045	3.54	2.95	2.36	1.65
5721-8-3/4	A	8	0.306	3/4	0.045	4.17	3.48	2.78	1.95
5721-10-3/8	A	10	0.357	3/8	0.053	4.02	3.35	2.64	1.85
5721-10-1/2	A	10	0.357	1/2	0.053	4.26	3.55	2.84	1.99
5721-10-3/4	A	10	0.357	3/4	0.053	4.65	3.63	3.24	2.88

Round Head Machine Screws

• Sold per box of 100 only

5721-256-1/4	B	2-56	0.146	1/4	0.037	4.73	4.30	3.82	3.44
5721-256-3/8	B	2-56	0.146	3/8	0.037	3.27	2.73	2.18	1.53
5721-256-1/2	B	2-56	0.146	1/2	0.037	4.95	4.13	3.30	2.31
5721-440-1/4	B	4-40	0.193	1/4	0.044	2.28	1.90	1.52	1.06
5721-440-3/8	B	4-40	0.193	3/8	0.044	2.16	1.80	1.44	1.01
5721-440-1/2	B	4-40	0.193	1/2	0.044	2.28	1.90	1.52	1.06
5721-440-3/4	B	4-40	0.193	3/4	0.044	2.88	2.40	1.92	1.34
5721-632-1/4	B	6-32	0.210	1/4	0.051	2.28	1.90	1.52	1.06
5721-632-3/8	B	6-32	0.210	3/8	0.051	2.40	2.00	1.60	1.12
5721-632-1/2	B	6-32	0.210	1/2	0.051	2.49	2.53	1.66	1.16
5721-632-3/4	B	6-32	0.210	3/4	0.051	2.94	2.45	1.96	1.37
5721-832-1/4	B	8-32	0.287	1/4	0.058	2.58	2.15	1.72	1.20
5721-832-3/8	B	8-32	0.287	3/8	0.058	2.67	2.23	1.78	1.25
5721-832-1/2	B	8-32	0.287	1/2	0.058	2.70	2.25	1.80	1.26
5721-832-3/4	B	8-32	0.287	3/4	0.058	2.79	2.33	1.86	1.30
5721-1032-1/4	B	10-32	0.334	1/4	0.065	2.97	2.48	1.98	1.39
5721-1032-3/8	B	10-32	0.334	3/8	0.065	2.70	2.25	1.80	1.26
5721-1032-1/2	B	10-32	0.334	1/2	0.065	2.82	2.35	1.88	1.41
5721-1032-3/4	B	10-32	0.334	3/4	0.065	3.12	2.60	2.08	1.46

Flat Washers

• Nickel-plated steel • Sold per box of 100 only

MOUSER STOCK NO.	Fig.	Size	O.D. (In.)	Price Per Box 1	10	50
524-11-142C	C	4	9/32	2.54	2.28	2.20
524-11-146C	C	6	3/8	2.59	2.33	2.25
538-MW-408C	C	8	3/8	1.88	1.70	1.64
538-MW-410C	C	3/8	7/8	3.60	3.24	3.13
538-MW-404C	C	10	7/16	2.00	1.80	1.74

Lock Washers

• Zinc-plated steel • Sold per box of 100 only

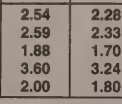
MOUSER STOCK NO.	Fig.	Style	Inside Dia.	Outside Dia.	Width	Price Per Box 1	5	10
5721-LWS-4	D	Split	0.114	0.209	0.040	2.55	2.13	1.70
5721-LWS-6	D	Split	0.141	0.250	0.047	1.50	1.25	1.00
5721-LWS-8	D	Split	0.167	0.293	0.055	1.56	1.30	1.04
5721-LWS-10	D	Split	0.193	0.334	0.062	1.68	1.40	1.12
5721-LWI-4	E	Internal Tooth	0.114	0.209	0.040	2.55	2.13	1.70
5721-LWI-6	E	Internal Tooth	0.141	0.250	0.047	2.46	2.05	1.64
5721-LWI-8	E	Internal Tooth	0.167	0.293	0.055	2.76	2.53	1.84
5721-LWI-10	E	Internal Tooth	0.193	0.334	0.062	2.94	2.45	1.96

Hex Nuts

• Zinc-plated steel • Sold per box of 100 only

MOUSER STOCK NO.	Fig.	Flat Width	Corner Width	Thickness	Price Per Box 1	5	10
5721-256	F	3/16	.205	.057	2.40	2.00	1.60
5721-440	F	1/4	.275	.087	2.34	1.85	1.56
5721-632	F	5/16	.344	.102	2.40	2.00	1.60
5721-832	F	11/32	.378	.117	2.46	2.05	1.64
5721-1032	F	3/8	.419	.117	2.31	1.93	1.54

KEYSTONE PANEL NUTS



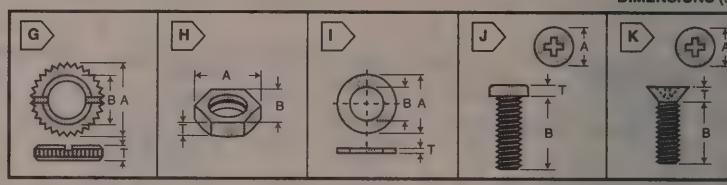
• For volume controls, switches, capacitors, tip jacks, etc.
• Material: brass, nickel plated

MOUSER STOCK NO.	Fig.	Type	Thread	Diameter	Thickness (In.)	Price Each 1	100
534-1448	A	Mounting	1/4-32	3/8 hex	3/32	.20	.102
534-1449	A	Mini control	1/4-32	5/16 hex	5/64	.14	.070
534-1456	A	Vol. control	3/8-32	1/2 hex	3/32	.20	.098
534-1458	A	Switch	15/32-32	9/16 hex	5/64	.26	.131
534-1459	B	Switch ring	15/32-32	5/8 knurl.	1/16	.47	.235

epd eagle plastic devices METRIC HARDWARE

Low profile metric nuts for switches, potentiometers, LED'S, plugs, and jacks.

DIMENSIONS (



Knurled Nuts

Please order in multiples of 100 For quantities greater than listed, call for qu

MOUSER STOCK NO.	Fig.	Thread Size (mm)	Material	Plating	Dimensions (mm) A	B	T	Price Each 1	100	1000	10
48KN004	G	M4 x .50	Brass	Nickel	6	4	1.5	---	.048	.044	.0
48KN006	G	M6 x .50	Brass	Nickel	8	6	1.5	---	.057	.052	.0
48KN007	G	M6 x .50	Brass	Nickel	8	6	2	---	.080	.070	.0

Hex Nuts

For quantities greater than listed, call for qu

MOUSER STOCK NO.	Fig.	Thread Size (mm)	Material	Plating	Dimensions (mm) A	B	T	Price Each 1	100	1000	10
48AN006	H	M6 x 0.75	Steel	Zinc	9	8	2	---	.027	.025	.0
48AN007	H	M7 x 0.75	Steel	Zinc	11	10	2	---	.027	.025	.0
481-0007	H	M7 x 0.75	Steel	Nickel	11	10	2	---	.030	.028	.0
†481-0017	H	M7 x 0.75	Steel	Zinc	11	10	2	---	.070	.060	.0
48AN008	H	M8 x 0.75	Steel	Zinc	12	11	2	---	.027	.025	.0
48AN009	H	M9 x 0.75	Steel	Zinc	13.5	12	2	---	.027	.025	.0
481-0009	H	M9 x 0.75	Steel	Nickel	13.5	12	2	---	.030	.028	.0
481-0095	H	M9.5 x 0.75	Steel	Nickel	15.3	13.4	2.2	---	.240	.210	.1
*481-9575	H	M9.5 x 0.75	Steel	Nickel	14.6	12.5	2.5	---	.059	.046	.0
481-0010	H	M10 x 0.75	Steel	Zinc	16	14	2	---	.042	.039	.0
48AN010	H	M10 x 1.00	Steel	Nickel	16	14	2	---	.042	.039	.0
48AN012	H	M12 x .75	Steel	Nickel	16	14	2	---	.060	.055	.0

† Special 7M nut. Inside diameter will fit over 1/4" round potentiometer shafts.
* Equivalent to 3/8 x 32 NEF

Star Washer

For quantities greater than listed, call for qu

MOUSER STOCK NO.	Fig.	Size (mm)	Style	Material	Plating	Price Each 1	100	1000	10
481-0685	E	5	Internal tooth	Steel	Zinc	---	.016	.014	.0
481-0686	E	6	Internal tooth	Steel	Zinc	---	.024	.021	.0
481-0687	E	7	Internal tooth	Steel	Zinc	---	.032	.029	.0
481-0688	E	8	Internal tooth	Steel	Zinc	---	.040	.036	.0
481-0680	E	10	Internal tooth	Steel	Zinc	---	.056	.050	.0
481-0682	E	12	Internal tooth	Steel	Zinc	---	.064	.058	.0

Flat Washers

For quantities greater than listed, call for qu

MOUSER STOCK NO.	Fig.	Thread Size (mm)	Material	Plating	Dimensions (mm) A	B	T	Price Each 1	100	1000	10
48CW007	I	M7	Steel	Zinc	12	7	.5	---	.013	.011	.0
48CW008	I	M8	Steel	Zinc	14	8	.5	---	.013	.011	.0
48CW009	I	M9	Steel	Zinc	14	9	.5	---	.013	.011	.0
48CW009.5	I	M9.5	Steel	Zinc	14	10	.5	---	.013	.011	.0

Pan Head Phillips Screw

For quantities greater than listed, call for qu

MOUSER STOCK NO.	Fig.	Thread Size (mm)	Material	Plating	Dimensions (mm) A	B	T	Price Each 1	100	1000	10
48SS002	J	M1.7 x 0.35	Steel	Nickel	3	4	1	---	.010	.009	.0
48SM004	J	M2 x 0.40	Steel	Nickel	3.5	4	1.3	---	.012	.011	.0
48SM006	J	M2 x 0.40	Steel	Nickel	3.5	4.7	1.3	---	.012	.011	.0
48SM026	J	M2.6 x 0.45	Steel	Nickel	4	6	1.8	---	.012	.011	.0
48SM003	J	M3 x 0.50	Steel	Nickel	5	6	2	---	.012	.011	.0
*481-0240	J	M2 x Self T.	Steel	Nickel	4	7.5	1	---	.036	.033	.0
481-0264	J	M2.6 x 0.45	Steel	Nickel	4	4	1.8	---	.012	.011	.0
481-0263	J	M3 x 0.50	Steel	Nickel	5	4	1.8	---	.012	.011	.0
†481-2680	J	M2.6 x Self T	Steel	Nickel	4.25	8	1.8	---	.036	.033	.0

Flat Head Phillips Screw

For quantities greater than listed, call for qu

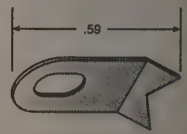
48SS003	K	M2.5 x 0.45	Steel	Nickel	4	2.5	1.5	---	.012	.011	.0

*Fits 163-5005 & 163-5006 † Fits 161-2103, 161-2104, 161-2105, 161-2106, 161-2108

SPEAKER MOUNTING CLIP

For panel mounting of speakers. Slotted mounting hole accepts a #4 screw (not included).

DIMENSIONS (IN.)



MOUSER STOCK NO.	Price Each 1	100	1000	10000
48SC004	.12	.038	.033	.031

ACHINE SCREWS

h quality screws made of durable type 6/6 nylon (UL-94V2).

lylon 6/6 meets MIL-M20693B "A" type 1, LP410A, and STM D789-66 type 1, GDE 2 (UL-94V2)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.) Thread	Length	Price Each 1	100	1000
at Slotted 82°						
31-F440.25	A	4-40	.25	.20	.07	.05
31-F440.375	A	4-40	.375	.20	.07	.05
31-F440.5	A	4-40	.50	.20	.07	.05
31-F440.75	A	4-40	.75	.20	.07	.05
31-F440-1	A	4-40	1.00	.20	.07	.05
31-F632.25	A	6-32	.25	.20	.07	.05
31-F632.375	A	6-32	.375	.20	.07	.05
31-F632.5	A	6-32	.50	.21	.08	.05
31-F632.75	A	6-32	.75	.21	.08	.05
31-F632-1	A	6-32	1.00	.21	.08	.05
31-F832.25	A	8-32	.25	.21	.08	.05
31-F832.375	A	8-32	.375	.21	.08	.05
31-F832.5	A	8-32	.50	.21	.08	.05
31-F832-1	A	8-32	1.00	.21	.08	.05
an Slotted						
31-P440.25	B	4-40	.25	.19	.07	.05
31-P440.375	B	4-40	.375	.20	.07	.05
31-P440.5	B	4-40	.50	.20	.07	.05
31-P440.75	B	4-40	.75	.20	.07	.05
31-P440-1	B	4-40	1.00	.20	.07	.05
31-P632.25	B	6-32	.25	.21	.08	.05
31-P632.375	B	6-32	.375	.21	.08	.05
31-P632.5	B	6-32	.50	.21	.08	.05
31-P632.75	B	6-32	.75	.21	.08	.05
31-P632-1	B	6-32	1.00	.21	.08	.05
31-P832.25	B	8-32	.25	.20	.07	.05
31-P832.375	B	8-32	.375	.21	.08	.05
31-P832.5	B	8-32	.50	.21	.08	.05
31-P832.75	B	8-32	.75	.21	.08	.05
31-P832-1	B	8-32	1.00	.21	.08	.05
Round Slotted						
31-J440.25	C	4-40	.25	.20	.07	.05
31-J440.375	C	4-40	.375	.20	.07	.05
31-J440.5	C	4-40	.50	.20	.07	.05
31-J440.75	C	4-40	.75	.20	.07	.05
31-J440-1	C	4-40	1.00	.20	.07	.05
31-J632.25	C	6-32	.25	.20	.07	.05
31-J632.375	C	6-32	.375	.20	.07	.05
31-J832.25	C	8-32	.25	.21	.08	.05
31-J832.375	C	8-32	.375	.21	.08	.05
31-J832.75	C	8-32	.75	.21	.08	.05
31-J832-1	C	8-32	1.00	.21	.08	.05
31-J1032.25	C	10-32	.25	.24	.09	.06
31-J1032.375	C	10-32	.375	.24	.09	.06
31-J1032.50	C	10-32	.50	.24	.09	.06
31-J1032.75	C	10-32	.75	.24	.09	.06
31-J1032-1	C	10-32	1.00	.24	.09	.06
nurled Head Thumb Screws						
61-T0440018	D	4-40	.187	.30	.14	.09
61-T0440025	D	4-40	.250	.30	.14	.09
61-T0440037	D	4-40	.375	.30	.14	.09
61-T0440050	D	4-40	.500	.30	.14	.09
61-T0440075	D	4-40	.750	.30	.14	.09
61-T0632025	D	6-32	.250	.34	.15	.10
61-T0632037	D	6-32	.375	.34	.15	.10
61-T0632050	D	6-32	.500	.34	.15	.10
61-T0632075	D	6-32	.750	.34	.15	.10
61-T0632100	D	6-32	1.00	.34	.15	.10
61-T0832018	D	8-32	.187	.34	.15	.10
61-T0832037	D	8-32	.375	.34	.15	.10
61-T0832050	D	8-32	.500	.34	.15	.10
61-T0832075	D	8-32	.750	.34	.15	.10
61-T0832100	D	8-32	1.00	.34	.15	.10
61-T1032037	D	10-32	.375	.36	.16	.11
61-T1032050	D	10-32	.500	.36	.16	.11
61-T1032075	D	10-32	.750	.36	.16	.11
61-T1032100	D	10-32	1.00	.36	.16	.11
61-T1032150	D	10-32	1.50	.36	.16	.11
61-T1032200	D	10-32	2.00	.36	.16	.11
61-T2520050	D	1/4-20	.500	.37	.17	.11
61-T2520075	D	1/4-20	.750	.37	.17	.11
61-T2520100	D	1/4-20	1.00	.37	.17	.11
61-T2520125	D	1/4-20	1.25	.37	.17	.11
61-T2520150	D	1/4-20	1.50	.39	.18	.12

YLON LOCKING HEX PACER

onomic locking spacers eliminate screws, nuts, and lock washers in ounting P.C. boards on metal chassis or stacking in multiple tiers. ique locking clips provide a mechanically secure, reusable connection predrilled or punched holes while saving considerable assembly time.

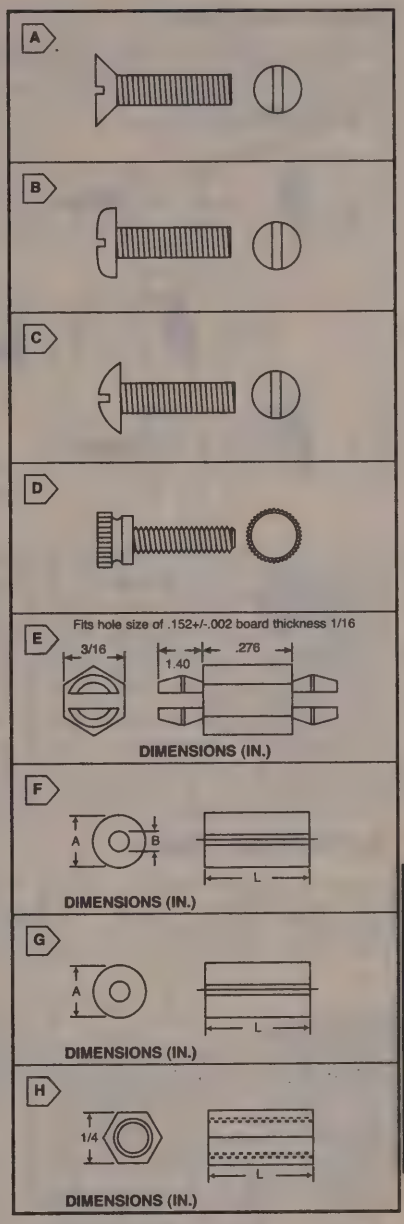
MOUSER STOCK NO.	Fig.	Description	Price Each 1	100	1000	5000
61-MPH276	E	Hex locking spacer	.49	.23	.17	.144

STANDARD SPACERS

All standard nylon spacers can be tapped two thread sizes larger than the screw size listed.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions (In.) A	B	L	Price Each 1	100	1000
561-KSP2	F	4	.187	.115	.125	.22	.08	.06
561-KSP4	F	4	.187	.115	.187	.22	.08	.06
561-KSP6	F	4	.187	.115	.250	.22	.08	.06
561-KSP8	F	4	.187	.115	.312	.22	.08	.06
561-KSP10	F	4	.187	.115	.375	.22	.08	.06
561-K4.125	F	4	.250	.115	.125	.22	.08	.06
561-K4.187	F	4	.250	.115	.187	.22	.08	.06
561-K4.25	F	4	.250	.115	.250	.15	.06	.04
561-K4.375	F	4	.250	.115	.375	.19	.07	.05
561-K4.50	F	4	.250	.115	.500	.19	.07	.05
561-K4.625	F	4	.250	.115	.625	.29	.10	.08
561-K4.75	F	4	.250	.115	.750	.28	.10	.08
561-K4.875	F	4	.250	.115	.875	.37	.13	.10
561-K41.00	F	4	.250	.115	1.000	.39	.15	.12
561-K6.25	F	6	.250	.140	.250	.15	.06	.04
561-K6.375	F	6	.250	.140	.375	.19	.07	.05
561-K6.437	F	6	.250	.140	.437	.22	.08	.06
561-K6.50	F	6	.250	.140	.500	.22	.08	.06
561-K6.625	F	6	.250	.140	.625	.25	.09	.07
561-K6.75	F	6	.250	.140	.750	.35	.12	.10
561-K6.875	F	6	.250	.140	.875	.37	.13	.10
561-K61.00	F	6	.250	.140	1.000	.39	.15	.12
561-K8.25	F	8	.250	.171	.250	.15	.06	.04
561-K8.375	F	8	.250	.171	.375	.26	.10	.07
561-K8.50	F	8	.250	.171	.500	.26	.10	.07
561-K8.625	F	8	.250	.171	.625	.29	.11	.08
561-K8.75	F	8	.250	.171	.750	.35	.12	.10
561-K8.875	F	8	.250	.171	.875	.37	.14	.11
561-K81.00	F	8	.250	.171	1.000	.40	.15	.12
561-KSP92	F	6	.312	.140	.125	.22	.08	.06
561-KSP97	F	8	.312	.171	.187	.22	.08	.06
561-KSP102	F	10	.312	.194	.250	.22	.08	.06
561-KSP110	F	10	.312	.194	.375	.22	.08	.06
561-KSP114	F	10	.312	.194	.437	.22	.08	.06
561-KSP117	F	8	.312	.171	.500	.22	.08	.06
561-KSP160	F	10	.375	.194	.125	.22	.08	.06
561-KSP163	F	10	.375	.194	.187	.22	.08	.06
561-KSP166	F	10	.375	.194	.250	.22	.08	.06
561-KSP169	F	10	.375	.194	.312	.22	.08	.06
561-KSP172	F	10	.375	.194	.375	.22	.08	.06
561-KSP178	F	10	.375	.194	.500	.23	.09	.07
561-KSP190	F	10	.375	.194	.750	.25	.10	.08
561-KSP202	F	10	.375	.194	1.000	.27	.11	.08
561-KSP205	F	10	.500	.194	.125	.22	.08	.06
561-KSP210	F	10	.500	.194	.187	.22	.08	.06
561-KSP215	F	10	.500	.194	.250	.22	.08	.06
561-KSP220	F	10	.500	.194	.312	.23	.09	.07
561-KSP225	F	10	.500	.194	.375	.23	.09	.07
561-KSP235	F	10	.500	.194	.500	.25	.10	.08
561-KSP312	F	4	.250	.115	1.250	.58	.22	.17
561-KSP377	F	10	.375	.194	1.125	.64	.24	.19



ROUND TAPPED SPACERS

Molded from type 66 nylon and then machine tapped, these spacers are low cost insulators that can be used in many electrical applications.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions (In.) A	L	Price Each 1	100	1000	5000
561-TSP1	G	4-40	.250	.250	.26	.17	.13	.103
561-TSP2	G	4-40	.250	.375	.28	.19	.15	.124
561-TSP3	G	4-40	.250	.500	.28	.19	.15	.124
561-TSP36	G	4-40	.250	.625	.28	.19	.15	.124
561-TSP4	G	4-40	.250	.750	.33	.24	.18	.155
561-TSP37	G	4-40	.250	.875	.33	.24	.18	.155
561-TSP5	G	4-40	.250	1.000	.33	.24	.18	.155
561-TSP7	G	6-32	.250	.375	.28	.19	.15	.124
561-TSP8	G	6-32	.250	.500	.28	.19	.15	.124
561-TSP38	G	6-32	.250	.625	.28	.19	.15	.124
561-TSP9	G	6-32	.250	.750	.28	.19	.15	.124
561-TSP39	G	6-32	.250	.875	.33	.24	.18	.155
561-TSP10	G	6-32	.250	1.000	.26	.17	.13	.103
561-TSP11	G	8-32	.250	.250	.26	.17	.13	.103
561-TSP12	G	8-32	.250	.375	.28	.19	.15	.124
561-TSP13	G	8-32	.250	.500	.28	.19	.15	.124
561-TSP40	G	8-32	.250	.625	.28	.19	.15	.124
561-TSP14	G	8-32	.250	.750	.33	.24	.18	.155
561-TSP15	G	8-32	.250	1.000	.33	.24	.18	.155

HEX TAPPED SPACERS

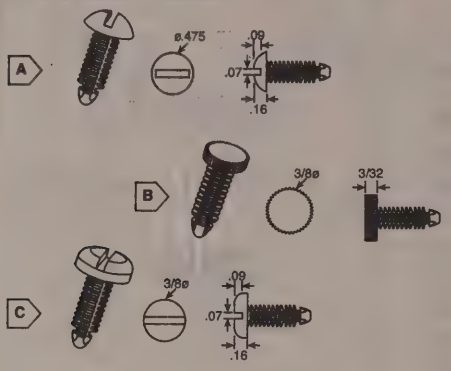
On spacer 3/4" and longer, tap is 3/8" from each end.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Screw Size	L Length (In.)	Price Each 1	100	1000
561-L4.25	H	4-40	.250	.47	.17	.13
561-L4.375	H	4-40	.375	.53	.18	.15
561-L4.50	H	4-40	.500	.55	.19	.15
561-L4.625	H	4-40	.625	.55	.19	.15
561-L4.75	H	4-40	.750	.66	.24	.18
561-L4.875	H	4-40	.875	.82	.29	.23
561-L41.0	H	4-40	1.000	.71	.26	.20
561-L6.25	H	6-32	.250	.62	.22	.17
561-L6.375	H	6-32	.375	.51	.19	.15
561-L6.50	H	6-32	.500	.61	.21	.17
561-L6.625	H	6-32	.625	.55	.19	.15
561-L6.75	H	6-32	.750	.66	.24	.18
561-L6.875	H	6-32	.875	.82	.30	.23
561-L61.0	H	6-32	1.000	.71	.26	.20
561-L8.25	H	8-32	.250	.62	.22	.17
561-L8.375	H	8-32	.375	.63	.23	.18
561-L8.50	H	8-32	.500	.66	.23	.18
561-L8.625	H	8-32	.625	.66	.23	.18
561-L8.75	H	8-32	.750	.80	.29	.22
561-L8.875	H	8-32	.875	.82	.30	.23
561-L81.0	H	8-32	1.000	.86	.31	.24

NYLON SPIN CLIPS

This design combines the advantages of a push-in type fastener with a screw. For fast assembly, the part can be pushed into a 1/4-20 threaded hole, and then screwed in for a tighter fit, or screwed out for disassembly.
This part will also function as a standard Fin Clip for use in an unthreaded hole with a diameter of approximately 13/64".
All nylon spin clips are in a natural color resin.

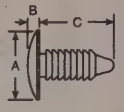


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description			Price Each		
		Head	Thread	Length	1	100	1000
561-SCR252050	A	Round	1/4-20	.500	.27	.12	.08
561-SCR252075	A	Round	1/4-20	.750	.27	.12	.08
561-SCR252100	A	Round	1/4-20	1.00	.27	.12	.08
561-SCK252037	B	Knurled	1/4-20	.375	.27	.12	.08
561-SCK252050	B	Knurled	1/4-20	.500	.27	.12	.08
561-SCK252075	B	Knurled	1/4-20	.750	.27	.12	.08
561-SCK252100	B	Knurled	1/4-20	1.00	.27	.12	.08
561-SCP252050	C	Pan	1/4-20	.500	.27	.12	.08
561-SCP252075	C	Pan	1/4-20	.750	.27	.12	.08
561-SCP252100	C	Pan	1/4-20	1.00	.27	.12	.08

RATCHET FASTENERS

Ratchet Fasteners are designed to provide an economical fastening method over a wide range of panel thicknesses and materials. The easy hand installation assures a quick assembly and a strong and reliable finished product.

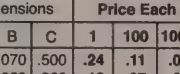


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Hole Size	Panel Thickness	Dimensions			Price Each		
			A	B	C	1	100	1000
561-RT1870	.187	.025/.365	.375	.070	.500	.24	.11	.07
561-RT1875	.187	.030/.330	.435	.068	.562	.16	.07	.06
561-RT1877	.187	.125/.450	.300	.065	.700	.30	.13	.09
561-RT2504	.250	.020/.218	.720	.098	.425	.27	.13	.08
561-RT2500	.250	.105/.300	.700	.100	.437	.46	.20	.12
561-RT2508	.250	.150/.535	.700	.107	.783	.28	.13	.09
561-RT2811	.281	.093/.500	.625	.110	.890	.49	.22	.14

NUTS

Use with nylon machine screws for mounting semiconductors to heat sinks.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Size	Price Each		
			1	100	1000
561-G440	Hex nut	4-40	.18	.06	.04
561-G632	Hex nut	6-32	.18	.06	.04
561-G832	Hex nut	8-32	.18	.06	.04
561-G1032	Hex nut	10-32	.19	.07	.04
561-G25020	Hex nut	1/4-20	.20	.07	.05
561-H440	Lock nut	4-40	.26	.10	.07
561-H632	Lock nut	6-32	.26	.10	.07
561-H832	Lock nut	8-32	.26	.10	.07
561-H1032	Lock nut	10-32	.27	.10	.07
561-H25020	Lock nut	1/4-20	.30	.11	.08
561-TN0440	Knurled head thumb nut	4-40	.50	.24	.15
561-TN0632	Knurled head thumb nut	6-32	.51	.24	.16
561-TN0832	Knurled head thumb nut	8-32	.53	.25	.16
561-TN1032	Knurled head thumb nut	10-32	.56	.25	.16
561-TN25020	Knurled head thumb nut	1/4-20	.57	.26	.17
561-DLWN0440	Locking wing nut	4-40	.29	.14	.09
561-DLWN0632	Locking wing nut	6-32	.29	.14	.09
561-DLWN0832	Locking wing nut	8-32	.29	.14	.09
561-DLWN1032	Locking wing nut	10-32	.29	.14	.09
561-DLWN25020	Locking wing nut	1/4-20	.39	.18	.12

WASHERS

Standard Flat Washers

For quantities greater than listed, call for q

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions (In.)			Price Each			
			A	B	C	1	100	1000	50
561-D232	A	2	.250	.090	.032	.06	.02	.02	.0
561-D262	A	2	.250	.090	.062	.06	.02	.02	.0
561-D432	A	4	.250	.115	.032	.06	.02	.02	.0
561-D462	A	4	.250	.115	.062	.06	.02	.02	.0
561-D4125	A	4	.250	.115	.125	.09	.06	.04	.0
561-D632	A	6	.312	.140	.032	.06	.02	.02	.0
561-D662	A	6	.312	.140	.062	.06	.02	.02	.0
561-D6125	A	6	.312	.140	.125	.09	.06	.04	.0
561-D832	A	8	.375	.171	.032	.06	.02	.02	.0
561-D862	A	8	.375	.171	.062	.07	.04	.02	.0
561-D8125	A	8	.375	.171	.125	.09	.06	.04	.0
561-D1032	A	10	.375	.194	.032	.06	.02	.02	.0
561-D1062	A	10	.375	.194	.062	.07	.04	.02	.0
561-D10125	A	10	.375	.194	.125	.09	.06	.04	.0
561-D2562	A	1/4	.500	.257	.062	.07	.04	.02	.0
561-D31262	A	5/16	.500	.317	.062	.07	.04	.02	.0
561-D37562	A	3/8	.625	.380	.062	.07	.04	.02	.0
561-D43762	A	7/16	.750	.443	.062	.08	.05	.04	.0
561-D50062	A	1/2	.750	.505	.062	.08	.05	.04	.0
561-1720CC/4	A	8	.375	.171	.032	.22	.168	.129	.0

Standard Shoulder Washers

For quantities greater than listed, call for q

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions (In.)					Price Each			
			L	A	B	C	D	1	100	500	10
561-SW6	B	6	.040	.146	.328	.040	.218	.08	.05	.04	.0
561-SW8	B	8	.050	.174	.375	.050	.250	.08	.05	.04	.0
561-SW10	B	10	.050	.201	.437	.050	.281	.09	.06	.04	.0
561-SW25	B	1/4	.060	.260	.562	.060	.375	.09	.06	.04	.0
561-SW375	B	3/8	.060	.385	.750	.060	.500	.11	.08	.05	.0

Finishing Washers

For quantities greater than listed, call for q

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions (In.)			Price Each			
			A	B	C	1	100	500	10
561-SFW6	C	6	.437	.143	.100	.20	.10	.08	.0
561-SFW8	C	8	.510	.171	.115	.21	.11	.09	.0
561-SFW10	C	10	.580	.191	.152	.22	.12	.10	.0

Retaining Washers

For quantities greater than listed, call for q

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions (In.)				Price Each			
			A	B	C	D	1	100	500	10
561-04032	D	4	.266	.156	.032	.102	.06	.02	.02	.0
561-04062	D	4	.266	.156	.062	.102	.07	.04	.02	.0
561-06032	D	6	.328	.198	.032	.128	.06	.02	.02	.0
561-06062	D	6	.328	.198	.062	.128	.07	.04	.02	.0
561-08032	D	8	.391	.235	.032	.152	.07	.04	.02	.0
561-10032	D	10	.453	.277	.032	.177	.07	.04	.02	.0
561-10062	D	10	.453	.277	.062	.177	.08	.05	.04	.0

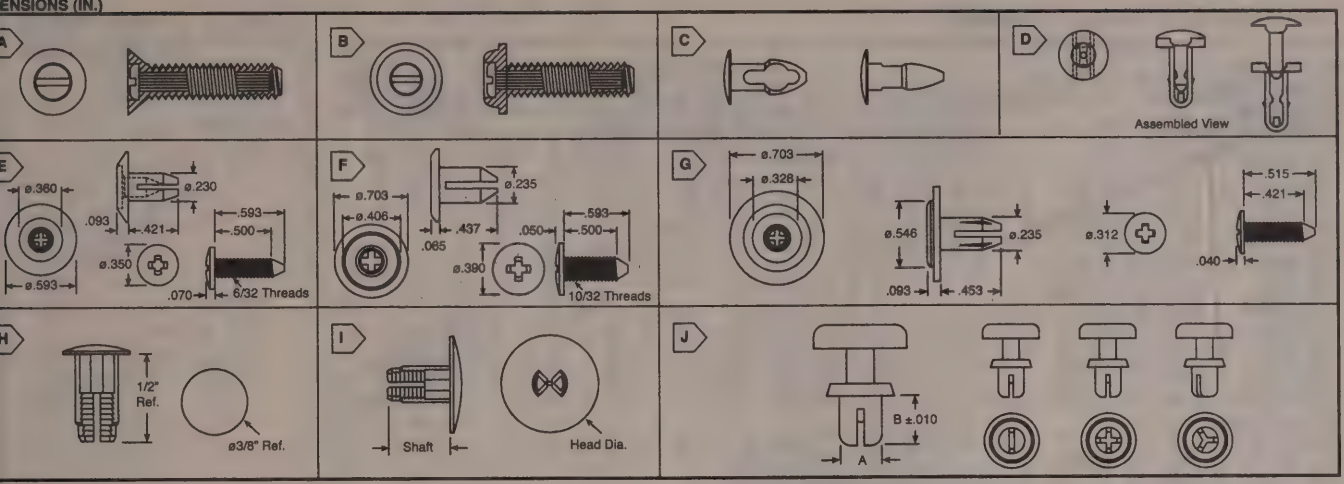
SCREW INSULATORS

Nylon screw insulators are used to isolate metal screws electrically and reduce corrosion. They may also be used as light load bearings in many applications.

For quantities greater than listed, call for q

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions (In.)					Price Each			
			L	A	B	C	D	1	100	500	10
561-04006	E	4	.063	.235	.047	.145	.115	.08	.05	.04	.0
561-04012	E	4	.125	.235	.047	.145	.115	.08	.05	.04	.0
561-06004	E	6	.047	.290	.047	.170	.140	.08	.05	.04	.0
561-06012	E	6	.125	.290	.047	.170	.140	.08	.05	.04	.0
561-06018	E	6	.188	.290	.047	.170	.140	.08	.05	.04	.0
561-06025	E	6	.25	.290	.047	.170	.140	.08	.05	.04	.0
561-06050	E	6	.50	.290	.047	.170	.140	.08	.05	.04	.0
561-08012	E	8	.125	.344	.063	.205	.173	.09	.06	.04	.0
561-08025	E	8	.25	.344	.063	.205	.173	.09	.06	.04	.0
561-08037	E	8	.375	.344	.063	.205	.173	.09	.06	.04	.0
561-08050	E	8	.50	.344	.063	.205	.173	.09	.06	.04	.0
561-10014	E	10	.141	.399	.063	.260	.200	.09	.06	.04	.0
561-10025	E	10	.25	.399	.063	.260	.200	.09	.06	.04	.0
561-10037	E	10	.375	.399	.063	.260	.200	.09	.06	.04	.0
561-10075	E	10	.75	.399	.063	.260	.200	.09	.06	.04	.0
561-25012	E	1/4	.125	.513	.063	.312	.260	.09	.06	.04	.0
561-25018	E	1/4	.188	.513	.063	.312	.260	.09	.06	.04	.0
561-25025	E	1/4	.25	.513	.063	.312	.260	.09	.06	.04	.0
561-25037	E	1/4	.375	.513	.063	.312	.260	.09	.06	.04	.0
561-25050	E	1/4	.50	.513	.063	.312	.260	.09	.06	.04	.0
561-25075	E	1/4	.75	.513	.063	.312	.260	.09	.06	.04	.0

ENSIONS (IN.)



TEEL CORE NYLON SCREWS

atures:
hear Strength of heat-treated steel.
ielectric insulation, corrosion resistance, and vibration resistance of nylon.

und Head, nylon shell w/reinforcing core
ylon 6/6 Natural High Strength, High Carbon, C.H.Q. Steel
igh Dielectric Resistance Precision Cold Formed and Knurled
orrosion Resistant Electro Zinc or Cadmium Plated
ibration and Abrasion Resistant

MOUSER STOCK NO.	Fig.	Dimensions (In.)				Price Each		
		Thread	Length	Head Dia.	Head Hgt.	1	100	1000
1-R632.25	A	6-32	.250	.255	.095	.53	.356	.237
1-R632.375	A	6-32	.375	.255	.095	.56	.374	.249
1-R632.5	A	6-32	.500	.255	.095	.57	.380	.253
1-R832.375	A	8-32	.375	.300	.120	.57	.380	.253
1-R832.5	A	8-32	.500	.300	.120	.57	.380	.253
1-R1032.375	A	10-32	.375	.340	.130	.59	.397	.264
1-R1032.5	A	10-32	.500	.340	.130	.66	.441	.294
1-R1032.75	A	10-32	.750	.340	.130	.70	.469	.312
1-R1032.1	A	10-32	1.000	.340	.130	.75	.504	.336
ound Washer Head								
1-W632.25	B	6-32	.250	.230	.100	.53	.356	.237
1-W632.375	B	6-32	.375	.230	.100	.56	.374	.249
1-W632.5	B	6-32	.500	.230	.100	.57	.380	.253
1-W832.375	B	8-32	.375	.265	.110	.57	.380	.253
1-W832.5	B	8-32	.500	.265	.110	.57	.380	.253
1-W1032.375	B	10-32	.375	.315	.130	.59	.397	.264
1-W1032.5	B	10-32	.500	.315	.130	.66	.441	.294
1-W1032.75	B	10-32	.750	.315	.130	.70	.469	.312

YLON FASTENERS

ey-Hole Clips
key-hole shaped interior allows the part to collapse more completely for easy assembly with finger pressure, the tapered, bullet-style point slides into any hole easily. The angled panel lock section takes up slack in eis to provide for a tight assembly. The design allows for a relatively large clip diameter to hole size ratio, ulting in higher retention force. Parts can be tooled for a large variety of hole and panel variations.

MOUSER STOCK NO.	Fig.	Dimensions (In.)			Price Each		
		Head Dia.	Hole Size	Panel Thickness	1	100	1000
1-Y1250125	C	.250	.125	.093	.08	.055	.037
1-Y1250187	C	.250	.125	.188	.08	.055	.037
1-Y1250250	C	.250	.125	.250	.08	.055	.037
1-Y1560125	C	.312	.156	.125	.10	.066	.044
1-Y1560187	C	.312	.156	.187	.10	.066	.044
1-Y1560250	C	.312	.156	.250	.10	.066	.044
1-Y1560375	C	.312	.156	.375	.10	.066	.044
1-Y1870187	C	.312	.187	.187	.10	.066	.044
1-Y1870281	C	.312	.187	.281	.10	.066	.044
1-Y2190219	C	.344	.219	.219	.11	.068	.045
1-Y2500125	C	.500	.250	.125	.12	.079	.053
1-Y2500250	C	.500	.250	.250	.13	.084	.056
1-Y2500375	C	.500	.250	.375	.13	.084	.056
1-Y2500500	C	.500	.250	.500	.14	.089	.059

anel Cinching Rivets, One-piece molded nylon
e-piece molded nylon Panel Cinching Rivet consists of two elements, the "T" shaped drive pin and the "U" aped body which are joined by thin webs. To install the fastener, insert the "U" shaped body into the panel hole d rap the head of the "T" shaped pin with a hammer or impact tool.

MOUSER STOCK NO.	Fig.	Dimensions (In.)			Price Each		
		Head Dia.	Hole Size	Panel Thickness	1	100	1000
1-CIN01	D	.250	.125	.020-.109	.17	.084	.060
1-CIN02	D	.375	.187	.020-.174	.21	.107	.076
1-CIN03	D	.375	.250	.020-.109	.22	.112	.079
1-CIN04	D	.625	.250	.020-.174	.31	.155	.110

NYLON FASTENERS (cont.)

Screw Rivets

Reusable 2-piece construction molded from Nylon 6/6. Two Piece rivets are designed to fasten larger components or small assemblies to their mating panels. Pressing or tapping the screw through the body creates a secure insulated connection. In addition the screw may be removed with a phillips screw driver.

MOUSER STOCK NO.	Fig.	Dimensions (In.)			Price Each		
		Head Dia.	Hole Size	Panel Thickness	1	100	1000
561-401007	E	.594	.250	.187	.40	.174	.116
561-401008	F	.703	.235	.156	.61	.263	.176
561-401009	G	.555	.281	.125	.42	.183	.122

Ratcheting Action Rivets

Ratcheting action rivets feature a rigid design which provides an outstanding bond created by the action of the interlocking gripper teeth. With the larger head diameter, ratcheting action rivets make binding of soft materials a simple application.

- Molded in black nylon 6/6.

561-B4002B	H	.219	.281	.406	.235-.297	.12	.08	.06
561-B4007B	H	.500	.281	.406	.500-.812	.13	.09	.06
561-B7002B	H	.219	.281	.750	.235-.297	.13	.09	.06
561-B7007B	H	.500	.281	.750	.500-.812	.14	.09	.06

Quick Binder

561-B3757B	I	.500	.250	.375	.500-.812	.09	.06	.04
561-B6257B	I	.500	.250	.625	.500-.812	.13	.09	.06

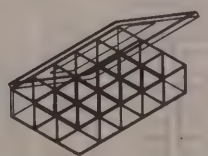
Snap Rivets

Nylon Snap Rivets are designed for assemblies requiring fast and economical fasteners that can be installed without tools. The 2 Piece Molded Fastener comes assembled ready for use. The Rivet is placed in the hole and the smooth, oversized head is pressed. The specially designed legs expand and firmly lock the components permanently in place. The Snap Rivets are molded in high dielectric (UL94V2) Nylon 6/6 making them ideal for electronic applications.

MOUSER STOCK NO.	Fig.	Panel Thickness	Dimensions (In.)		Price Each	
			A	B	1	100
561-SR0010	J	.050-.100	.118	.140	.09	.062
561-SR0012	J	.122-.160	.122	.220	.09	.062
561-SR0018	J	1.100-.140	.160	.200	.09	.062
561-SR0020	J	.144-.188	.166	.240	.11	.072
561-SR0030	J	.160-.200	.200	.280	.13	.082
561-SR1660240	J	.050-.180	.157	.236	.19	.134
561-SR1660265	J	.170-.210	.166	.265	.17	.113

HARDWARE ASSORTMENT KITS

Molded Nylon Fasteners provide electrical insulation, vibration, and corrosion resistance. They have a low thermal conductivity, are non-magnetic, and have a high strength-to-weight ratio. They are packaged in large reusable, transparent plastic storage boxes.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Price Each		
		1	5	10
561-M1996	290 cable clamps, 18 sizes	48.06	45.96	43.88
561-M1995	140 cable clips, 15 sizes	29.18	27.91	26.64
561-M1994	700 PCB posts, 10 sizes	48.06	45.96	43.88
561-M1993	300 shoulder washers, 30 sizes	29.18	27.91	26.64
561-M1992	340 spacer/standoffs, 40 sizes	48.06	45.96	43.88
561-M1991	180 transistor hardware, 17 sizes	29.18	27.91	26.64
561-M1997	500 flat washers, 40 sizes	29.18	27.91	26.64
561-M1998	750 screws and nuts, 40 sizes	48.06	45.96	43.88
561-M1999	108 strain reliefs, 12 sizes	29.18	27.91	26.64

NYLON STRAIN RELIEF BUSHINGS

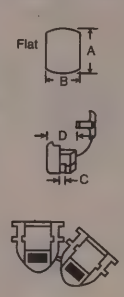
One piece strain relief bushings securely anchor, absorb, and protect cables and wires from push/pull and twist forces and insulate them from irregular or sharp panel edges.

Black Nylon

For quantities greater than listed, call for quote.

E96397 LR60335

MOUSER STOCK NO.	Cable Cross Section	Cables Accommodated: Cable Type	Height Min.	Height Max.	Width Min.	Width Max.	Dia.	Dimensions (In.): Mounting Hole A	Mounting Hole B	Max Panel Thickness C	Bushing Length D	Price Each 1	Price Each 100
561-MP2M4	Round	AWN	---	---	---	---	.156	.0375	.33	.062	.41	.08	.07
561-MP3P4	Flat	SP-1, SPT-2	.12	.12	.222	.222	---	.437	.39	.062	.41	.08	.05
561-MP4K1	Flat	SPT-2, HPN	.15	.16	.28	.40	---	.50	.46	.095	.495	.14	.08
561-MP4K4	Flat	SPT-1,SPT-2,HPN	.12	.12	.30	.30	---	.50	.465	.10	.406	.11	.06
561-MP4N4	Flat	SPT-1,SPT-2,HPN	.12	.12	.30	.30	---	.50	.465	.062	.406	.14	.08
561-MP5K4	Flat	SPT-2	.15	.15	.16	.16	---	.562	.53	.125	.609	.19	.11
561-MP30-1	Flat	SPT-2, SPT-1	.12	.16	.30	.41	---	.56	.73	.125	.67	.22	.12
561-MP5N4	Round	SV, SVT, HPD	---	---	---	---	.29	.50	.45	.062	.438	.11	.06
561-MP5P4	Round	SV, SVT, HPD	---	---	---	---	.29	.50	.45	.10	.438	.11	.06
561-MP6N34	Round	SJ, SJT	---	---	---	---	.43	.625	.55	.062	.58	.22	.12
561-MP6N4	Round	SJT, SJO	---	---	---	---	.30	.625	.55	.062	.58	.22	.12
561-MP6P34	Round	SJ, SJT, SJO	---	---	---	---	.36	.625	.55	.125	.58	.19	.09
561-MP6P4	Round	SJ, SJT, SJO	---	---	---	---	.30	.625	.55	.125	.58	.22	.11
561-MP6W1	Round	SJ, SJT, SJO	---	---	---	---	.30	.50	.465	.09	.437	.14	.08
561-MP7W20	Round	SJT, S, STO	---	---	---	---	.43	.875	.77	.125	.75	.35	.17



90° Angle Style

561-MP13L1	Flat	SP-1	.12	.12	.22	.22	---	.437	.39	.062	.05	.18	.10
561-MP14L1	Flat	"SPT-2, HPN"	.15	.16	.28	.30	---	.50	.45	.10	.687	.21	.12
561-MP15L1	Round	SV	---	---	---	---	.265	.50	.45	.10	.687	.21	.12

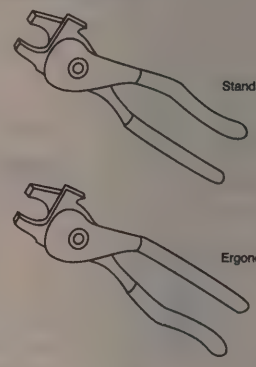
"EZ" Strain Relief Bushing

561-MP4KEZH	Flat	HPN	.15	.15	.28	.28	---	.50	.47	.100	.550	.19	.12
561-MP4KEZS	Flat	SPT	.15	.15	.28	.28	---	.50	.47	.100	.580	.19	.12
561-MP4NEZH	Flat	HPN	.15	.15	.28	.28	---	.50	.47	.062	.550	.19	.12
561-MP4NEZS	Flat	SPT	.15	.16	.28	.30	---	.50	.47	.062	.570	.19	.12
561-MP06KEZS	Round	SJ, SJT	---	---	---	---	3-.405	.625	.55	.062	.740	.24	.16

Note: All bushings can be used with a round mounting hole (dimension A). Holes shaped with flats prevent rotation of the bushing if cable is subject to twist.

STRAIN RELIEF INSTALLATION TOOLS

epd eagle plastic devices



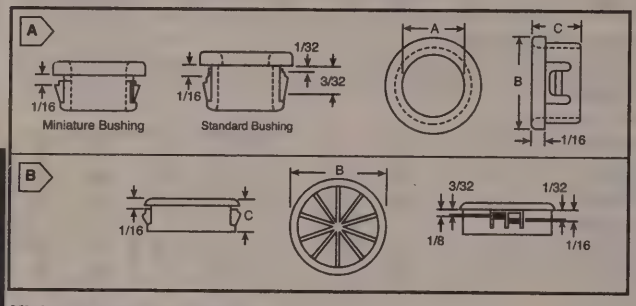
- Makes bushing installation a "breeze"
- Adjustable to all sizes

MOUSER STOCK NO.	Description	Price Each
561-M0022	Standard handles	50.8
561-M0023	Ergonomic handles	50.8

NYLON BUSHINGS

epd eagle plastic devices

- UL 94V2
- Stock color black, other colors available on request, please ask for details



Miniature Insulating Bushings

Accommodates panels up to 1/6" and requires only 1/8" clearance.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.): A	B	C	Panel: Hole Dia.	Panel: Thick. (max.)	Price Each 1	100	1000
561-MP1010	A	.125	.250	.234	.187	.062	.12	.06	.03
561-MP1015	A	.250	.375	.234	.312	.062	.12	.06	.03
561-MP1030	A	.375	.562	.250	.500	.062	.12	.06	.03
561-MP1050	A	.500	.703	.250	.625	.062	.14	.07	.04
561-MP1060	A	.625	.828	.250	.750	.062	.17	.08	.06
561-MP1080	A	.750	.937	.250	.875	.062	.18	.09	.06

Standard Insulating Bushings

Designed with multiple locks to positively snap in panels ranging from 1/32" to 1/8".

For quantities greater than listed, call for quote.

561-MP2502	A	.125	.312	.312	.250	.062	.12	.06	.03
561-MP3753	A	.187	.468	.406	.375	.125	.12	.06	.03
561-MP3754	A	.250	.468	.406	.375	.125	.12	.06	.03
561-MP4374	A	.250	.531	.406	.437	.125	.13	.06	.04
561-MP4375	A	.312	.531	.406	.437	.125	.13	.06	.04
561-MP5004	A	.250	.578	.406	.500	.125	.14	.07	.04
561-MP5005	A	.312	.578	.406	.500	.125	.14	.07	.04
561-MP5006	A	.375	.578	.406	.500	.125	.14	.07	.04
561-MP6254	A	.250	.718	.406	.625	.125	.15	.07	.04
561-MP6257	A	.437	.718	.406	.625	.125	.15	.07	.04
561-MP6258	A	.500	.718	.406	.625	.125	.15	.07	.04
561-MP7508	A	.500	.843	.406	.750	.125	.21	.10	.07
561-MP7510	A	.625	.843	.406	.750	.125	.21	.10	.07
561-MP8706	A	.375	.953	.453	.875	.125	.23	.11	.07
561-MP8710	A	.625	.953	.453	.875	.125	.23	.11	.07
561-MP10012	A	.750	1.125	.453	1.000	.125	.26	.12	.08
561-MP15018	A	1.125	1.609	.453	1.500	.125	.42	.19	.13
561-MP20026	A	1.625	2.125	.453	2.000	.125	.56	.25	.16

All-Fit Adjustable Bushings

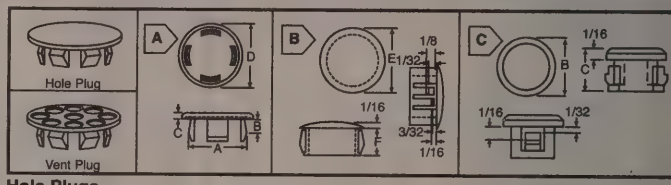
Equipped with multiple locks to positively snap in panel thicknesses ranging from 1/32" to 1/8".

For quantities greater than listed, call for quote.

561-AF625	B	.437	.718	.406	.625	.125	.15	.07	.04
561-AF750	B	.500	.859	.390	.750	.125	.20	.09	.06
561-AF875	B	.562	.937	.453	.875	.125	.22	.10	.07
561-AF1000	B	.750	1.062	.453	1.000	.125	.25	.12	.08

NYLON HOLE, PLUG VENTS AND WINDOW PLUGS

epd eagle plastic devices



Hole Plugs

- Nylon 6/6
- Stock color natural, other colors available with volume requirement

For quantities greater th listed, call for quo

MOUSER STOCK NO.	Fig.	Dimensions (In.): Hole Dia. A	Panel Thick. B	Head Height C	Head Size D	Price Each 1	100
561-12BG09	A	.125	.031 / .094	.04	.203	.09	.07
561-15BG09	A	.150	.031 / .094	.04	.250	.09	.07
561-25BG06	A	.250	.031 / .062	.04	.422	.09	.07
561-31BG14	A	.312	.031 / .140	.05	.453	.09	.07
561-37BG31	A	.375	.031 / .140	.05	.578	.09	.07
561-43BG17	A	.437	.031 / .171	.05	.609	.09	.07
561-50BG14	A	.500	.031 / .140	.062	.672	.12	.09
561-56BG14	A	.562	.031 / .140	.062	.734	.12	.09
561-62BG07	A	.625	.031 / .072	.062	.797	.12	.09
561-75BG11	A	.750	.031 / .109	.062	.984	.19	.13
561-87BG11	A	.875	.031 / .109	.062	1.078	.19	.13
561-100BG11	A	1.000	.031 / .109	.062	1.219	.23	.16

Vent Plugs

For quantities greater than listed, call for quot

561-87BM11	A	.875	.031 / .109	.062	1.078	.19	.13
561-100BM11	A	1.000	.031 / .109	.062	1.219	.19	.13

Locking Hole Plugs

- Heat Stabilized nylon (UL94V2)
- Stock color black, other colors available, with volume requirement

For quantities greater than listed, call for quot

MOUSER STOCK NO.	Fig.	Dimensions (In.): Hole Diameter	Maximum Thickness	E	F	Price Each 1	100
561-M2603	B	.250	.062	.312	.312	.08	.05
561-M2617	B	.375	.125	.468	.406	.08	.05
561-M2643	B	.500	.125	.578	.406	.09	.06
561-M2683	B	.625	.125	.718	.406	.13	.06
561-M2683	B	.750	.125	.922	.406	.20	.10
561-M2703	B	.875	.125	1.016	.453	.22	.11
561-M2713	B	1.000	.125	1.203	.453	.20	.10

Locking Vent Plugs

For quantities greater than listed, call for quot

561-M2708	B	.875	.125	1.016	.453	.18	.12
561-M2707	B	1.000	.125	1.203	.453	.18	.12

Window Plugs

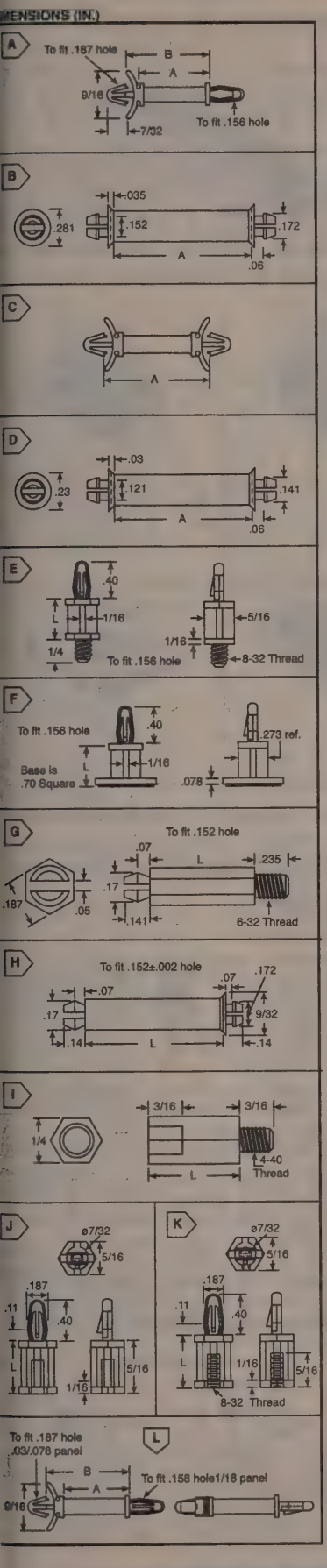
- Flat headstyle minimizes distortion
- Clear Copolyester Material

For quantities greater than listed, call for quot

561-P0187	C	.187	.031 / .094	.062	.250	.21	.14
561-P0250	C	.250	.031 / .094	.062	.312	.22	.15
561-P0375	C	.375	.031 / .094	.125	.468	.25	.17
561-P0500	C	.500	.031 / .094	.125	.578	.28	.19

EAGLE PLASTIC DEVICES Nylon PCB Hardware

epd eagle plastic devices



PCB SUPPORTS

"Lock/Tension" Series

Designed to lock to bottom chassis and snap into a 1/16" thick panel.

MOUSER STOCK NO.	Fig.	Dimensions (In.)		Price Each			
		A	B	1	100	500	1000
561-LT187	A	.187	.307	.08	.07	.06	.04
561-LT250	A	.250	.365	.11	.08	.07	.06
561-LT375	A	.375	.495	.11	.08	.07	.06
561-LT500	A	.500	.625	.11	.08	.07	.06
561-LT625	A	.625	.745	.15	.11	.09	.07

"DSP" "DLP" and "DMSP" Series

- DSP: both ends fit a .156" hole
- DLP: both ends fit a .187" hole
- DMSP: both ends fit a .125" hole

MOUSER STOCK NO.	Fig.	Dimensions (In.)		Price Each			
		A	B	1	100	500	1000
561-DLP250	C	.250	- - -	.24	.18	.15	.12
561-DLP375	C	.375	- - -	.24	.18	.15	.12
561-DLP500	C	.500	- - -	.24	.18	.15	.12
561-DLP750	C	.750	- - -	.24	.18	.15	.12
561-DLP1000	C	1.000	- - -	.24	.18	.15	.12
561-DSP125	B	.125	- - -	.17	.10	.09	.08
561-DSP250	B	.250	- - -	.17	.10	.09	.08
561-DSP375	B	.375	- - -	.24	.18	.15	.12
561-DSP437	B	.437	- - -	.24	.18	.15	.12
561-DSP500	B	.500	- - -	.24	.18	.15	.12
561-DSP750	B	.750	- - -	.24	.18	.15	.12
561-DSP1000	B	1.000	- - -	.24	.18	.15	.12
561-DMSP125	D	.125	- - -	.17	.10	.09	.08
561-DMSP250	D	.250	- - -	.17	.10	.09	.08
561-DMSP375	D	.375	- - -	.17	.10	.09	.08
561-DMSP437	D	.437	- - -	.17	.10	.09	.08
561-DMSP500	D	.500	- - -	.17	.10	.09	.08
561-DMSP750	D	.750	- - -	.24	.18	.15	.08
561-DMSP1000	D	1.000	- - -	.24	.18	.15	.08

PCB LOCKING SUPPORTS

Male Threaded

MOUSER STOCK NO.	Fig.	Length (In.)	Price Each			
			1	100	500	1000
561-LMTP250	E	1/4	.13	.09	.08	.07
561-LMTP375	E	3/8	.13	.09	.08	.07
561-LMTP500	E	1/2	.13	.09	.08	.07
561-LMTP625	E	5/8	.18	.12	.10	.08
561-LMTP750	E	3/4	.18	.12	.10	.08
561-LMTP1000	E	1	.18	.12	.10	.08

Adhesive Base

MOUSER STOCK NO.	Fig.	Length (In.)	Price Each			
			1	100	500	1000
561-LAD187	F	3/16	.47	.34	.27	.21
561-LAD250	F	1/4	.47	.34	.27	.21
561-LAD375	F	3/8	.47	.34	.27	.21
561-LAD500	F	1/2	.47	.34	.27	.21
561-LAD625	F	5/8	.50	.37	.29	.22
561-LAD750	F	3/4	.50	.37	.29	.22
561-LAD1000	F	1	.50	.37	.29	.22

MALE PCB SUPPORT POSTS

MOUSER STOCK NO.	Fig.	Length (In.)	Price Each			
			1	100	500	1000
561-MTP125	G	1/8	.11	.08	.07	.06
561-MTP250	G	1/4	.11	.08	.07	.06
561-MTP500	G	1/2	.11	.08	.07	.06
561-MTP750	G	3/4	.13	.09	.08	.07
561-MTP875	G	7/8	.13	.09	.08	.07

PCB POSTS Patented "MSP" Series

MOUSER STOCK NO.	Fig.	Length (In.)	Price Each			
			1	100	500	1000
561-A0125	H	.125	.11	.08	.07	.06
561-A0250	H	.250	.11	.08	.07	.06
561-A0312	H	.312	.11	.08	.07	.06
561-A0375	H	.375	.11	.08	.07	.06
561-A0500	H	.500	.11	.08	.07	.06
561-A0625	H	.625	.13	.09	.08	.07
561-A0750	H	.750	.13	.09	.08	.07
561-A0875	H	.875	.13	.09	.08	.07
561-A1000	H	1.00	.13	.09	.08	.07

MALE-FEMALE THREADED STANDOFFS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Price Each			
			1	100	500	1000
561-MF440-25	I	1/4	.34	.19	.12	.11
561-MF440-37	I	3/8	.34	.19	.12	.11
561-MF440-50	I	1/2	.34	.19	.12	.11
561-MF440-62	I	5/8	.34	.19	.12	.11
561-MF440-75	I	3/4	.34	.19	.12	.11
561-MF440-87	I	7/8	.37	.23	.13	.12
561-MF440-100	I	1	.37	.23	.13	.12
561-MF440-125	I	1 1/4	.37	.23	.13	.12
561-MF440-137	I	1 3/8	.37	.23	.13	.12
561-MF440-150	I	1 1/2	.39	.24	.14	.13
561-MF440-175	I	1 3/4	.39	.24	.14	.13
561-MF440-200	I	2	.39	.24	.14	.13
561-MF632-25	I	1/4	.34	.19	.12	.11
561-MF632-375	I	3/8	.34	.19	.12	.11
561-MF632-50	I	1/2	.34	.19	.12	.11
561-MF632-62	I	5/8	.34	.19	.12	.11
561-MF632-75	I	3/4	.34	.19	.12	.11
561-MF632-87	I	7/8	.37	.23	.13	.12
561-MF632-100	I	1	.37	.23	.13	.12
561-MF632-125	I	1 1/4	.37	.23	.13	.12
561-MF632-150	I	1 1/2	.39	.24	.14	.13
561-MF632-162	I	1 5/8	.39	.24	.14	.13
561-MF632-175	I	1 3/4	.39	.24	.14	.13
561-MF632-200	I	2	.39	.24	.14	.13
561-MF832-25	I	1/4	.34	.19	.12	.11
561-MF832-37	I	3/8	.34	.19	.12	.11
561-MF832-50	I	1/2	.34	.19	.12	.11
561-MF832-62	I	5/8	.34	.19	.12	.11
561-MF832-75	I	3/4	.34	.19	.12	.11
561-MF832-87	I	7/8	.37	.23	.13	.12
561-MF832-100	I	1	.37	.23	.13	.12
561-MF832-112	I	1 1/8	.37	.23	.13	.12
561-MF832-125	I	1 1/4	.37	.23	.13	.12
561-MF832-137	I	1 3/8	.37	.23	.13	.12
561-MF832-150	I	1 1/2	.39	.24	.14	.13
561-MF832-200	I	2	.39	.24	.14	.13

FEMALE NYLON CIRCUIT BOARD POSTS

Note: Self-threading posts are designed for use with a #6 self-tapping screw.

- Recommended hole size: .156"
- Panel thickness: 1/16"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Thread	Length (In.)	Price Each			
				1	100	500	1000
561-FSTP250	J	Self	.250	.29	.22	.18	.15
561-FSTP375	J	Self	.375	.29	.22	.18	.15
561-FSTP500	J	Self	.500	.32	.24	.19	.15
561-FSTP625	J	Self	.625	.32	.24	.19	.15
561-FSTP750	J	Self	.750	.32	.24	.19	.15
561-FSTP875	J	Self	.875	.32	.24	.19	.15
561-FSTP1000	J	Self	1.000	.33	.25	.21	.16
561-FTP250	K	8-32	.250	.44	.34	.28	.22
561-FTP375	K	8-32	.375	.45	.34	.28	.23
561-FTP500	K	8-32	.500	.46	.35	.29	.24
561-FTP625	K	8-32	.625	.47	.36	.30	.24
561-FTP750	K	8-32	.750	.48	.37	.30	.24
561-FTP1000	K	8-32	1.000	.50	.38	.31	.25

NYLON PCB SUPPORTS "LOCK/LOCK" SERIES

The "LLP" series is designed to securely lock both the chassis end and the printed circuit board on top.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	A	B	Price Each			
				1	100	500	1000
561-LLP187	L	.187	.307	.17	.12	.10	.09
561-LLP250	L	.250	.365	.18	.13	.11	.09
561-LLP375	L	.375	.495	.19	.14	.12	.10
561-LLP500	L	.500	.625	.20	.15	.13	.10
561-LLP625	L	.625	.745	.22	.16	.13	.11
561-LLP750	L	.750	.870	.23	.17	.14	.12
561-LLP1000	L	1.000	1.120	.39	.30	.27	.18

Linear and Position Sensors

ALPS RDC10 SERIES LINEAR SENSORS

NEW FROM SUPPLIER

Specifications:
- Light operating force (250gF)
- Operating life: 100,000 cycles
- Total resistance: 10KW +/- 30%
- Linearity: +/-0.5%
- Rated voltage: 5 VDC

Applications:
- Detection of feedback from motor drive units in cameras and CD/MD changers
- Detection of paper size in photo copiers, printers, and projectors

Features:
- High precision linearity

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Travel	Length of Lever	Price Each 1	25	50	100
688-RDC1014A09	RDC1014A09	A	14mm	4.5mm	2.96	2.47	2.22	1.97
688-RDC1022A05	RDC1022A05	A	22mm	4.5mm	2.96	2.47	2.22	1.97
688-RDC10320RB	RDC10320RB	A	32mm	4.5mm	3.66	3.05	2.75	2.44

ALPS RDC50 SERIES ROTARY POSITION SENSORS

NEW FROM SUPPLIER

Specifications:
- Operating life: 1,000,000 cycles
- Total resistance: 10KW +/- 30%
- Rated voltage: 5 VDC
- Linearity: +/- 2%
- Effective variable range: 320°

Applications:
- Rotation detecting sensors in projectors, digital cameras, air conditioners
- Joint angle detection in robots

Features:
- Analog output facilitates signal processing

Model w/ optional gear: Gear provided w/ product and is delivered unmounted. **For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Alps Part No.	Fig.	Hollow Shaft Variation	Optional Gear	Price Each 1	25	50	100	Reel Qty.	Reel Qty. Price Ea.
688-RDC503013A	RDC503013A	B	3.5 mm dia.	No	2.18	1.82	1.63	1.45	1300	1.09
688-RDC503015A	RDC503015A	C	3.5 mm dia. w/ radius	Yes	2.18	1.82	1.63	1.45	1300	1.09
688-RDC506002A	RDC506002A	D	4 mm dia.	No	2.60	2.16	1.95	1.73	1200	1.30

ALPS RDC80 SERIES 15MM ROTARY POSITION SENSORS

NEW FROM SUPPLIER

Specifications:
- Operating life: 100,000 cycles
- Total resistance: 10KW +/- 30%
- Rated voltage: 5 VDC
- Linearity: +/- 3% (absolute)

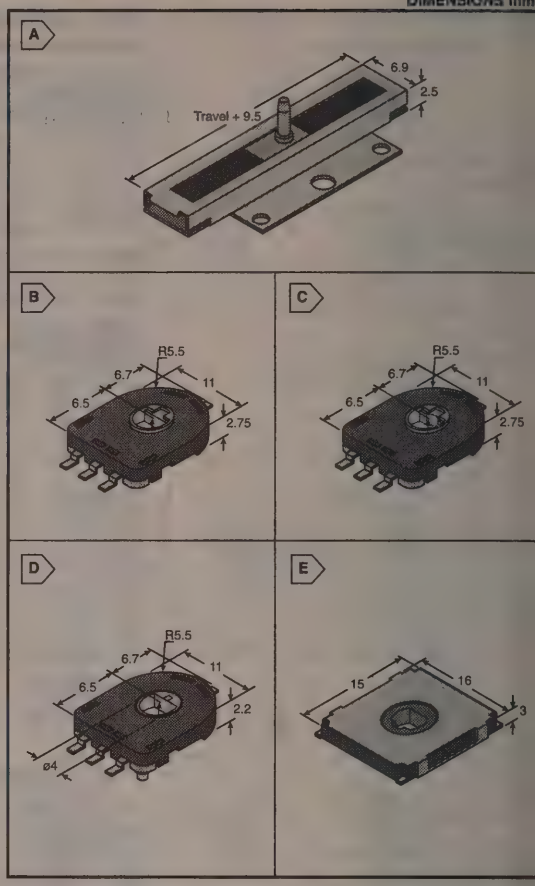
Applications:
- Detection of rotation angles
- Control of home appliances

Features:
- Entire 360 degrees covered due to use of 2-phase output

For quantities greater than listed, call for quote.

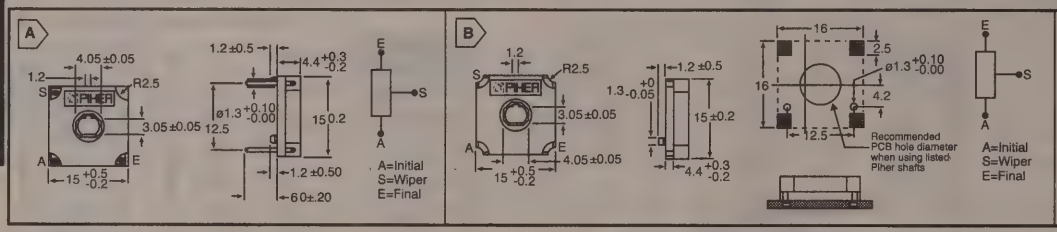
MOUSER STOCK NO.	Alps Part No.	Fig.	Effective Variable Range Phase 1	Phase 2	Price Each 1	25	50	100	Reel Qty.	Reel Qty. Price Ea.
688-RDC803001A	RDC803001A	E	330°	360°	1.82	1.52	1.37	1.21	3200	.91

DIMENSIONS mm



PIHER 15MM CARBON POSITION SENSORS

Here is Piher's "revolutionary" answer to the majority of Multi-Purpose Control and Rotary Sensor design problems which were un-resolvable until now. The N15 series offers you full endless rotation, 340° ± 10° wide electrical angle, SMD or through-hole mount, extended working temperature range of -40°C to +120°C plus a whole series of customization possibilities making it the most flexible product on the market. The N15 is ideal for Appliance and Automotive Control and Sensor applications.



DIMENSIONS (mm)

Specifications:
- Resistance Values: 5K, 10K, 100K
- Tolerance: ±30%
- Nominal Power: 0.15W @ 50°C
- Linearity (absolute): ±3%
- Taper: Linear
- Mechanical Life: 100,000 cycles
- Temperature Range: -40°C to +120°C
- Mechanical Angle: 360°
- Electrical Angle 340° ± 10°
- Rotational Torque: ≤ 20 mN.m
- Max. Voltage: 250 VDC

Features:
- Conceived and designed to be customized
- SMD or Through-hole Mount
- Endless Rotation (360°)
- Low Profile (4.4mm)
- Embossed tape or Bulk Packaging
- Reflow Soldering Capability
- Shaft insertable from both sides
- Polarized "T" rotor (European Home Appliance Standard)

MOUSER STOCK NO.	Piher Part No.	Fig.	Price Each 1	25	50	100	200
Through Hole							
531-N15TV-5K	NT15TV-502A3030	A	2.88	2.40	2.16	1.92	Call for Quote
531-N15TV-10K	NT15TV-103A3030	A	2.88	2.40	2.16	1.92	
531-N15TV-100K	NT15TV-104A3030	A	2.88	2.40	2.16	1.92	
Surface Mount							
531-N15TS-5K	NT15TS-502A3030	B	2.55	2.13	1.91	1.70	Call for Quote
531-N15TS-10K	NT15TS-103A3030	B	2.55	2.13	1.91	1.70	
531-N15TS-100K	NT15TS-104A3030	B	2.55	2.13	1.91	1.70	
Shaft							
531-5219CR	5219CR	C	.19	.18	.16	.15	Call

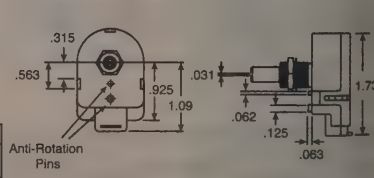
VISHAY MODEL 601-1045 FULL 360° SMART POSITION SENSORS

The model 601-1045 represents a new generation of Smart Sensors. This unique electronic device is a self-contained package which provides an analog electrical output over a full 360° without the need for external electronics.

Environmental Specifications:
- Operating Life: 5,000,000 cycles
- Operating Temperature Range: -40°C to 70°C

MOUSER STOCK NO.	Vishay Part No.	Fig.	Description	Price Each 1	5	10	25	50	100+
594-601-1045	601-1045-000	E	Smart position sensor	60.34	55.61	48.00	45.00	41.00	Call for Quote
594-601-1056	601-1056-000	E	IDC connector w/12" ribbon cable	6.78	6.26	5.59	5.14	4.99	

Pin Connection	Function
1 +5V	Supply
2 OV	
3 Output	O/P Voltage
4 Direction	Ramp Polarity



ODEL 9600 MINIATURE SPRING RETURN LINEAR MOTION OSITION SENSORS

ecifications:
rminal Length: 7.1 mm
ctuation Force: 4.0 Newton's Maximum
nearity over Active Electrical Travel: ±2%
echanical Life: 2,000,000 Full Cycles,
000,000 Dither Cycles

Features:
- Plastic housing and shaft
- Plated brass eyelet style terminals
- 4.8mm diameter shaft

For quantities of 25 and up, call for quote.

OUSER STOCK NO.		Active Elec. Travel	Mechanical Elec. Travel	Res. 20%	Dimensions (mm)				Price Each		
fr.	Mfr. Part No.				C	D	E	F	1	5	10
2—9605R1.7KL2.0		10 mm	14.2 mm	1.7K	26.90	7.6	5.1	20.6	65.00	32.00	25.00
2—9610R3.4KL2.0		22.8 mm	26.9 mm	3.4K	39.60	12.7	12.7	33.3	65.00	32.00	25.00
2—9615R5.1KL2.0		35.6 mm	39.6 mm	5.1K	52.30	20.3	17.8	46.0	65.00	32.00	25.00

ODEL 600 LINEAR MOTION POSITION SENSORS

ecifications:
ower Rating at 70°C: 0.25 Watts
utput Smoothness: 0.1%
esolution: Infinite
ielectric Strength: 500 VDC

- Actuation Force: 2 oz. (0.56 Newtons) max.
- Repeatability: Within 0.0005 in. (0.013)
- Mechanical Life: 10,000,000 Cycles
- Temperature Range: -55°C to +125°C

plied with #28 AWG Teflon insulated wire 12 inches in length.

For quantities of 25 and up, call for quote.

OUSER STOCK NO.		Active Elec. Travel	Mechanical Elec. Travel	Res. 20%	(A) Case Dim.	Price Each		
fr.	Mfr. Part No.					1	5	10
2—601R1KL.7		23 mm	28 mm	1K	57 mm	195.60	171.57	142.16
2—602R2KL.35		48 mm	53 mm	2K	89 mm	202.55	177.68	147.22
2—603R3KL.25		74 mm	79 mm	3K	114 mm	208.64	183.02	151.64
2—604R4KL.15		99 mm	104 mm	4K	140 mm	217.33	190.65	157.64
2—606R6KL.12		150 mm	155 mm	6K	190 mm	239.07	209.70	173.75
2—610R10KL.09		251 mm	257 mm	10K	292 mm	260.80	228.78	189.56
2—612R12KL.08		302 mm	307 mm	12K	343 mm	315.13	276.01	228.69

ODEL 9800 THROTTLE POSITION AND INDUSTRIAL ONTROL SENSORS

ecifications:
ower Rating at 70°C: 0.15 Watts
inearity over Active Electrical Rotation: ±2%
echanical Life: 1,000,000 Full Cycles,
,000,000 Dither Cycles

Features:
- High temperature plastic housing
- Sealed for harsh environments
- Spring return

For quantities of 25 and up, call for quote.

OUSER STOCK NO.		Active Elec. Rotation	Mech. Rotation	Res. 20%	Rotation Direction	Output	No. of Pins	Price Each		
fr.	Mfr. Part No.							1	5	10
2—9805R5KL2.0		85	120	5K	CW	Single	3	45.00	38.00	35.00
2—9806R5KL2.0		85	120	5K	CCW	Single	3	45.00	38.00	35.00
2—9811R5KL2.0		85	120	5K	CW	Single	3	40.50	34.20	31.50
2—9812R5KL2.0		85	120	5K	CCW	Single	3	40.50	34.20	31.50

ODEL 9850 9860 SINGLE AND DUAL OUTPUT-LOW-ROFILE-PRECISION ROTARY SENSOR MODULES

ecifications:
Power Rating at 70°C: 0.15 Watts
Linearity over Active Electrical Rotation: ±2%
Mechanical Life: 1,000,000 Full Cycles,
5,000,000 Dither Cycles

Features:
- High temperature plastic housing
- Sealed for harsh environments
- Spring return

For quantities of 25 and up, call for quote.

OUSER STOCK NO.		Active Elec. Rotation	Mech. Rotation	Res. 20%	Rotation Direction	Output	No. of Pins	Price Each		
fr.	Mfr. Part No.							1	5	10
2—9851R5KL2.0		85	120	5K	CW	Single	3	37.69	31.83	29.31
2—9852R5KL2.0		85	120	5K	CCW	Single	3	37.69	31.83	29.31
2—9855R5KL2.0		130	180	5K	CW	Single	3	38.25	32.30	29.75
2—9856R5KL2.0		130	180	5K	CCW	Single	3	38.25	32.30	29.75
2—9861R5KL2.0		85	120	5K	CW	Dual	6	58.50	49.40	45.50
2—9862R5KL2.0		85	120	5K	CCW	Dual	6	58.50	49.40	45.50

ODEL 9900 DUAL OUTPUT HALL EFFECT SENSORS

ecifications:
Resolution: Analog (continuous)
Temperature Range: -40°C to +85°C
Rotational Life: 10 Million

Features:
- Rotating magnet / fixed sensor configuration provides improved accuracy and reliability
- Two independent outputs for redundancy
- Fully programmable outputs; programmable offset, gain, slope, and temperature compensation

For quantities of 25 and up, call for quote.

OUSER STOCK NO.		Active Elec. Rotation	Mech. Rotation	Rotation Direction	Output	No. of Pins	Price Each		
fr.	Mfr. Part No.						1	5	10
2—9902090CW		90	180	CW	Dual	6	44.89	37.91	34.91

ARNESS ASSEMBLIES

semblies for models 9900 (6pin), and 9850 (3 and 6 pin).

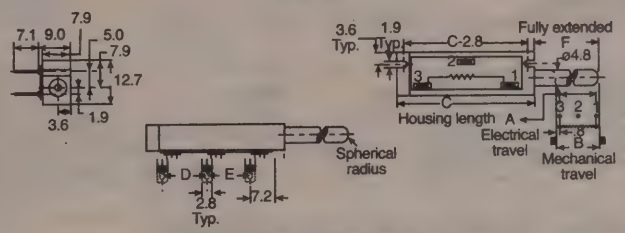
ecifications:
Overall length is 12"
Lead length is 11" ± .5"

For quantities of 25 and up, call for quote.

OUSER STOCK NO.		Description	Lead Length	No. of Pins	Price Each		
fr.	Mfr. Part No.				1	5	10
2—1-172		Harness Assembly	11"	3	10.73	9.06	8.35
2—1-173		Harness Assembly	11"	6	20.14	17.01	15.66

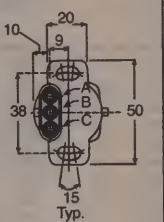
DIMENSIONS (mm)

Model 9600

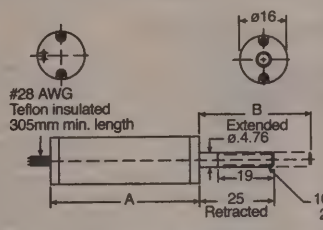


Tolerances unless otherwise specified: 0.8

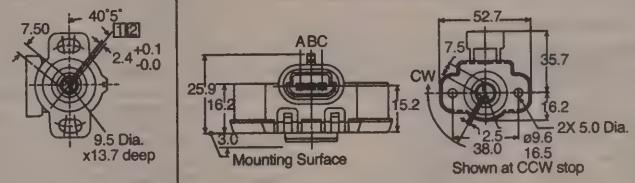
Models 9805/9806



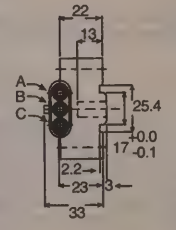
Model 600



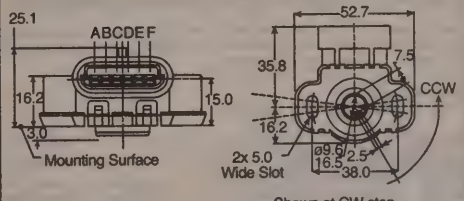
Model 9850
Single Output

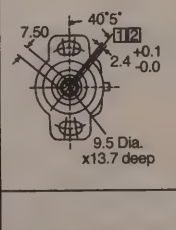


Models 9811/9812

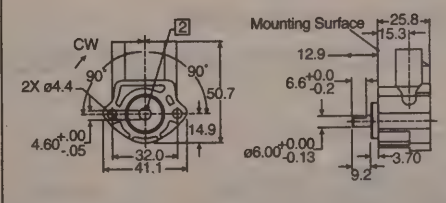


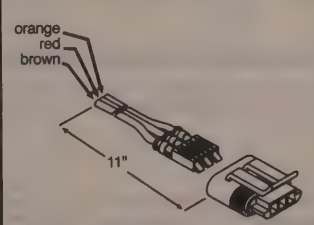
Model 9860
Dual Output



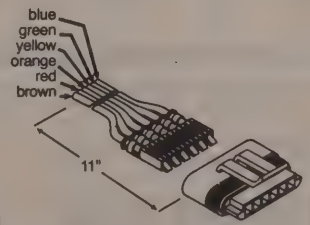


Model 9900





Sold as Assembly



Sold as Assembly

CHERRY Speed and Proximity Sensors

CHERRY SOLID STATE MAGNETIC PROXIMITY SENSORS

Packaged Hall Effect magnetic proximity sensors are ready to use, requiring only an external pull-up resistor. All are three-wire devices with sinking output compatible with any logic family. These sensors are operated by approaching magnet. These solid state devices have virtually unlimited life and are resistant to dirt, moisture, etc.

Specifications:
- Operating Temperature Range: -40°C to +85°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Supply Voltage	Supply Current Max.	Output Voltage Max.	Price Each 1	10	50	100
540-MP100701	MP100701	A	Threaded barrel magnetic proximity	4.75-24 VDC	12 mA	0.7 VDC	20.09	19.01	18.10	17.01
540-MP101301	MP101301	B	Molded snap-fit magnetic proximity	4.75-24 VDC	12 mA	0.7 VDC	5.00	4.73	4.50	4.23
540-MP102103	MP102103	C	Flange mount magnetic proximity	4.50-24 VDC	12 mA	0.5 VDC	5.66	5.36	5.10	4.79

CHERRY MAGNETIC PROXIMITY SENSORS

The Cherry reed sensor is an omnipolar, magnetically activated switch. These sensors consume zero power and are hermetically sealed for resistance against moisture and dirt. All sensors include 12" PVC-insulated flying leads.

Specifications:
- Operating Temperature Range: -40° C to +105°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Switching Voltage Max.	Switching Current Max.	Price Each 1	10	50	100
540-MP201701	MP201701	D	SPST-N/O smooth barrel	175 VDC	0.5 A	2.60	2.46	2.34	2.20
540-MP201702	MP201702	D	SPST-N/C smooth barrel	100 VDC	0.2 A	3.91	3.70	3.52	3.31
540-MP201703	MP201703	D	SPDT-C/O smooth barrel	100 VDC	0.2 A	4.28	4.05	3.86	3.63
540-MP201801	MP201801	E	SPST-N/O miniature flange mount	175 VDC	0.5 A	2.84	2.69	2.56	2.41
540-MP201802	MP201802	E	SPST-N/C miniature flange mount	100 VDC	0.2 A	4.28	4.05	3.86	3.63
540-MP201901	MP201901	F	SPST-N/O flange mount	175 VDC	0.5 A	2.95	2.79	2.66	2.50
540-MP201902	MP201902	F	SPST-N/C flange mount	100 VDC	0.2 A	4.42	4.18	3.98	3.74
540-MP201903	MP201903	F	SPDT-C/O flange mount	100 VDC	0.2 A	4.84	4.58	4.36	4.10
540-MP200701	MP200701	G	SPST-N/O threaded barrel	175 VDC	0.5 A	8.33	7.88	7.50	7.05

Actuator Magnets

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Price Each 1	10	50	100
540-HE610400	HE610400	H	Magnet Aluminum, threaded	11.52	10.90	10.38	9.76
540-AS101001	AS101001	I	Magnet Stud	4.22	3.99	3.80	3.57
540-AS201701	AS201701	J	Magnet Actuates Sensor MP2017 at .150"	2.44	2.31	2.20	2.07
540-AS201801	AS201801	K	Magnet Actuates Sensor MP2018 at .250"	2.55	2.42	2.30	2.16
540-AS201901	AS201901	L	Magnet Actuates Sensor MP2019 at .400"	2.78	2.63	2.50	2.35

CHERRY SOLID STATE SPEED SENSORS

These magnetically-biased Hall Effect devices sense the rotation of a ferrous target, such as a geartooth, or sprocket. They offer high speed and near-zero speed sensing capability. All have current sinking output. All but GS100701 provide additional circuit protection for immunity against electrical interference. M12 Integral connector meets IEC60947-5-2

Specifications:
- Operating Temperature Range: -40°C to +105°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Supply Voltage	Supply Current Max.	Output Voltage Max.	Price Each 1	10	50	100
540-GS100502	GS100502	M	M12-1 aluminum barrel	4.5-24 VDC	6 mA	0.4 VDC	24.86	23.52	22.40	21.06
540-GS100701	GS100701	A	15/32" aluminum barrel	4.5-24 VDC	6 mA	0.4 VDC	24.86	23.52	22.40	21.06
540-GS101202	GS101202	N	Flange mount plastic barrel	5.0-24 VDC	6 mA	0.4 VDC	26.55	25.11	23.92	22.48

CHERRY VANE SENSORS

Magnetically-activated digital vane switch in a rugged, overmolded plastic housing with three pins or 3-wire harness. Immune from moisture and dust, they are reliable and repeatable, with no mechanical contacts to wear out. Compatible with all logic families.

Specifications:
- Operating Temperature Range: -40°C to +85°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Supply Voltage	Supply Current Max.	Output Voltage Max.	Price Each 1	10	50	100
540-VN101501	VN101501	O	Molded vane sensor	4.50-24 VDC	6 mA	0.4 VDC	4.17	3.95	3.76	3.53
540-VN101503	VN101503	O	Vane sensor with 6" flying leads	4.50-24 VDC	6 mA	0.4 VDC	5.99	5.67	5.40	5.08

CHERRY INTRINSICALLY LINEAR ANGULAR POSITION SENSOR

The Intrinsically Linear Angular Position Sensor (ILAPS™) uses Cherry's patent-pending non-contact design to achieve linear output over 120 degrees of rotation. With no contacts to wear out, it is not vulnerable to dither, and life is tested to over 10 million operations.

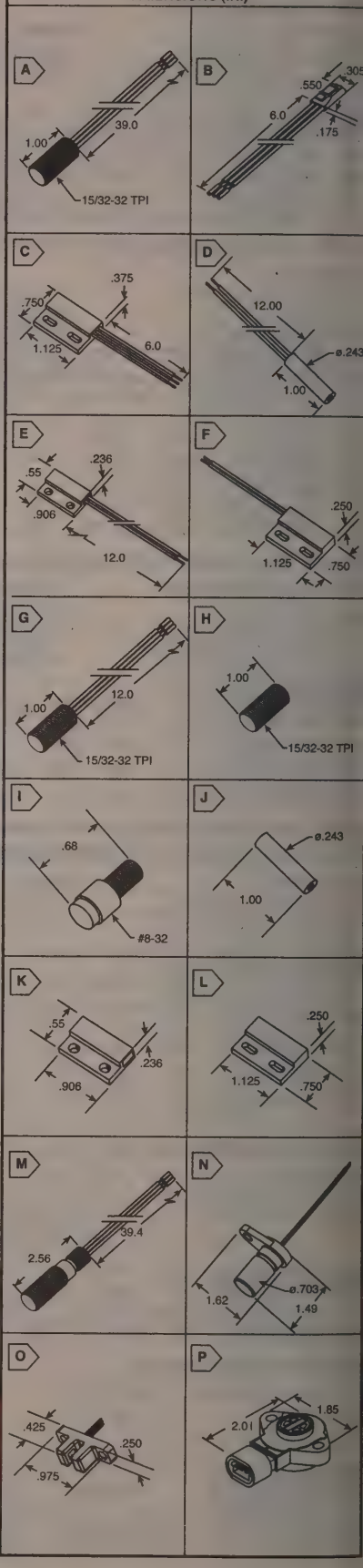
NEW! TECHNOLOGY

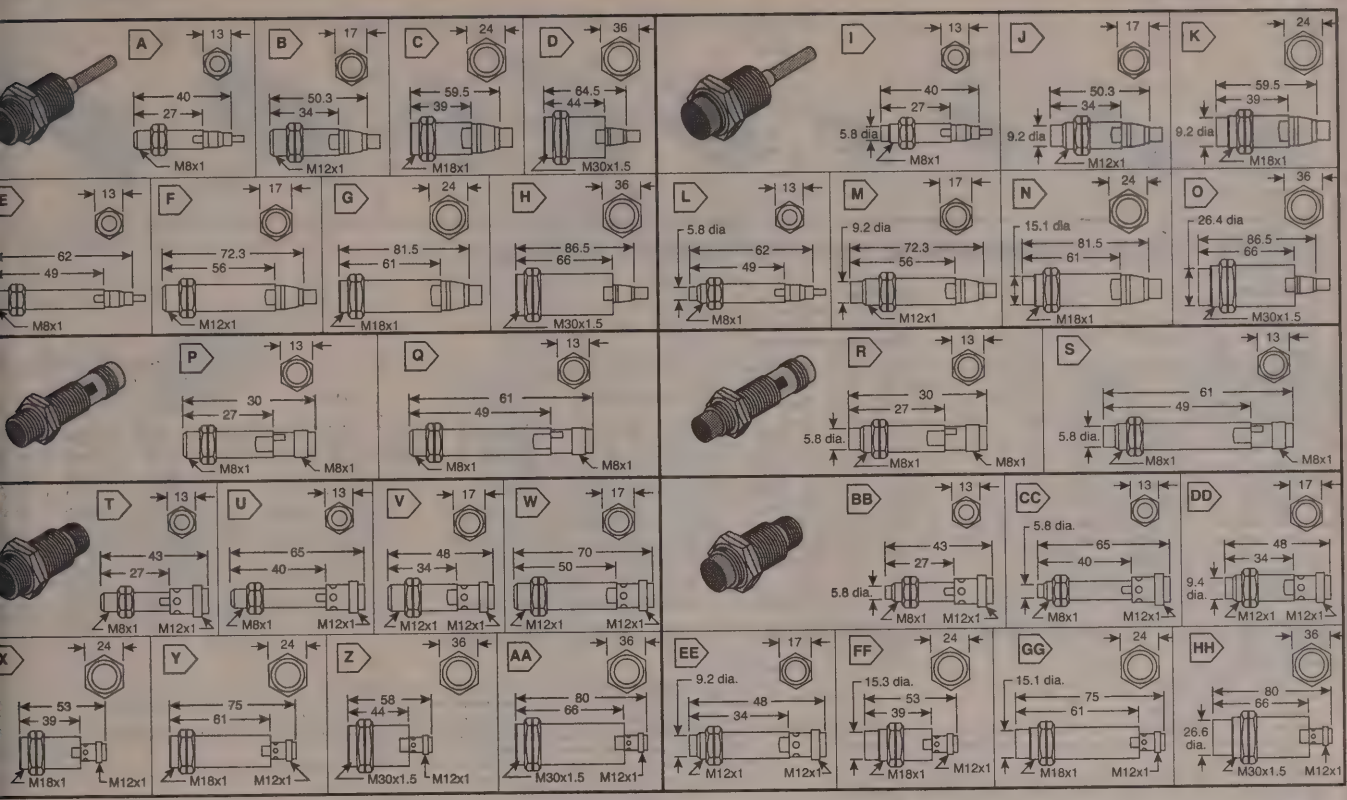
Specifications:
- Operating Temperature Range: -40°C to +85°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Input Voltage	Input Current Max.	Output Linearity	Price Each 1	10	50	100
540-AN101101	AN101101	P	Angular Position Sensor	5.0vdc +/- 10%	10mA @5vdc	+/- 1.5%	28.05	26.78	25.50	23.97

DIMENSIONS (IN.)





E2A SERIES: EXTENDED RANGED DC 3-WIRE PROXIMITY SENSORS

DIMENSIONS: mm

Specifications:
Operation with sensing object approaching: NO
Supply voltage: 12-24 VDC
Sensing object: Ferrous metal
(Sensing distance decreases with non-ferrous metal)
Differential travel (Hysteresis) : 10% max. of sensing distance
Indicators: Operation indicator (yellow LED)
Pre-wired versions have 2 meters of 3-conductor cable (6.56 ft.)

Features:
- Ensures a sensing distance 1.5-2 times longer than standard proximity sensors
- Minimizes collisions
- Reduces the cost and frequency of proximity sensor replacement due to mechanical damage to the sensing face

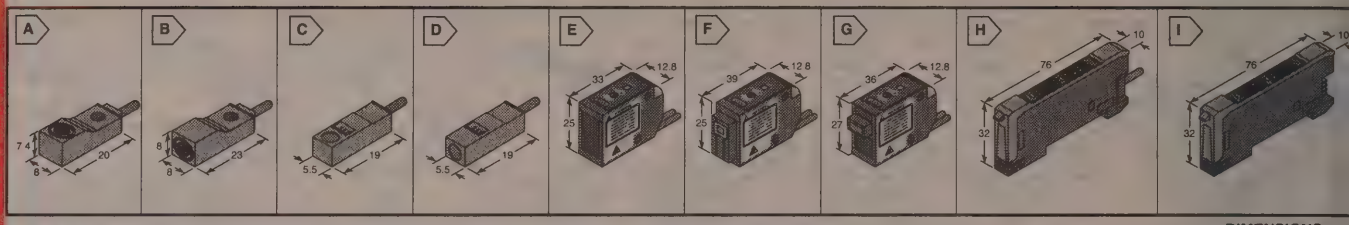
(For connectors see Phoenix Contact M8/M12 Connectors page.)

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Size	Connection	Body Material	Thread Length	Type	Sensing Distance	Output	Price Each 1	Price Each 5	Price Each 10
653-E2AS08KS02WPB1	E2A-S08KS02-WP-B1-2M	A	M8	Pre-wired	Stainless steel	27 mm	Shielded	2 mm	PNP	55.00	49.28	46.20
653-E2AS08KS02WPC1	E2A-S08KS02-WP-C1-2M	A	M8	Pre-wired	Stainless steel	27 mm	Shielded	2 mm	NPN	55.00	49.28	46.20
653-E2AM12KS04WPB1	E2A-M12KS04-WP-B1-2M	B	M12	Pre-wired	Nickel plated brass	34 mm	Shielded	4 mm	PNP	55.00	49.28	46.20
653-E2AM18KS08WPB1	E2A-M18KS08-WP-B1-2M	C	M18	Pre-wired	Nickel plated brass	39 mm	Shielded	8 mm	PNP	59.00	52.86	49.56
653-E2AM30KS15WPB1	E2A-M30KS15-WP-B1-2M	D	M30	Pre-wired	Nickel plated brass	44 mm	Shielded	15 mm	PNP	63.00	56.45	52.92
653-E2AS08LS02WPB1	E2A-S08LS02-WP-B1-2M	E	M8	Pre-wired	Stainless steel	49 mm	Shielded	2 mm	PNP	55.00	49.28	46.20
653-E2AS08LS02WPC1	E2A-S08LS02-WP-C1-2M	E	M8	Pre-wired	Stainless steel	49 mm	Shielded	2 mm	NPN	55.00	49.28	46.20
653-E2AM12LS04WPB1	E2A-M12LS04-WP-B1-2M	F	M12	Pre-wired	Nickel plated brass	56 mm	Shielded	4 mm	PNP	55.00	49.28	46.20
653-E2AM18LS08WPB1	E2A-M18LS08-WP-B1-2M	G	M18	Pre-wired	Nickel plated brass	61 mm	Shielded	8 mm	PNP	59.00	52.86	49.56
653-E2AM30LS15WPB1	E2A-M30LS15-WP-B1-2M	H	M30	Pre-wired	Nickel plated brass	66 mm	Shielded	15 mm	PNP	63.00	56.45	52.92
653-E2AS08KN04WPB1	E2A-S08KN04-WP-B1-2M	I	M8	Pre-wired	Stainless steel	27 mm	Unshielded	4 mm	PNP	55.00	49.28	46.20
653-E2AM12KN08WPB1	E2A-M12KN08-WP-B1-2M	J	M12	Pre-wired	Nickel plated brass	34 mm	Unshielded	8 mm	PNP	55.00	49.28	46.20
653-E2AM18KN16WPB1	E2A-M18KN16-WP-B1-2M	K	M18	Pre-wired	Nickel plated brass	39 mm	Unshielded	16 mm	PNP	59.00	52.86	49.56
653-E2AS08LN04WPB1	E2A-S08LN04-WP-B1-2M	L	M8	Pre-wired	Stainless steel	49 mm	Unshielded	4 mm	PNP	55.00	49.28	46.20
653-E2AM12LN08WPB1	E2A-M12LN08-WP-B1-2M	M	M12	Pre-wired	Nickel plated brass	56 mm	Unshielded	8 mm	PNP	55.00	49.28	46.20
653-E2AM18LN16WPB1	E2A-M18LN16-WP-B1-2M	N	M18	Pre-wired	Nickel plated brass	61 mm	Unshielded	16 mm	PNP	59.00	52.86	49.56
653-E2AM30LN30WPB1	E2A-M30LN30-WP-B1-2M	O	M30	Pre-wired	Nickel plated brass	66 mm	Unshielded	30 mm	PNP	63.00	56.45	52.92
653-E2AM08KS02M5B1	E2A-S08KS02-M5-B1	P	M8	M8 conn	Stainless steel	27 mm	Shielded	2 mm	PNP	57.00	51.07	47.88
653-E2AM08LS02M5B1	E2A-S08LS02-M5-B1	Q	M8	M8 conn	Stainless steel	49 mm	Shielded	2 mm	PNP	57.00	51.07	47.88
653-E2AS08KN04M5B1	E2A-S08KN04-M5-B1	R	M8	M8 conn	Stainless steel	27 mm	Unshielded	4 mm	PNP	57.00	51.07	47.88
653-E2AS08LN04M5B1	E2A-S08LN04-M5-B1	S	M8	M8 conn	Stainless steel	49 mm	Unshielded	4 mm	PNP	57.00	51.07	47.88
653-E2AM08KS02M1B1	E2A-M08KS02-M1-B1	T	M8	M12 conn.	Nickel plated brass	27 mm	Shielded	2 mm	PNP	55.00	49.28	46.20
653-E2AM08LS02M1B1	E2A-M08LS02-M1-B1	U	M8	M12 conn.	Nickel plated brass	49 mm	Shielded	2 mm	PNP	57.00	51.07	47.88
653-E2AM12KS04M1B1	E2A-M12KS04-M1-B1	V	M12	M12 conn.	Nickel plated brass	34 mm	Shielded	4 mm	PNP	57.00	51.07	47.88
653-E2AM12LS04M1B1	E2A-M12LS04-M1-B1	W	M12	M12 conn.	Nickel plated brass	56 mm	Shielded	4 mm	PNP	57.00	51.07	47.88
653-E2AM18KS08M1B1	E2A-M18KS08-M1-B1	X	M18	M12 conn.	Nickel plated brass	39 mm	Shielded	8 mm	PNP	61.00	54.66	51.24
653-E2AM18LS08M1B1	E2A-M18LS08-M1-B1	Y	M18	M12 conn.	Nickel plated brass	61 mm	Shielded	8 mm	PNP	61.00	54.66	51.24
653-E2AM30KS15M1B1	E2A-M30KS15-M1-B1	Z	M30	M12 conn.	Nickel plated brass	44 mm	Shielded	15 mm	PNP	68.00	60.93	57.12
653-E2AM30LS15M1B1	E2A-M30LS15-M1-B1	AA	M30	M12 conn.	Nickel plated brass	66 mm	Shielded	15 mm	PNP	68.00	60.93	57.12
653-E2AM08KN04M1B1	E2A-M08KN04-M1-B1	BB	M8	M12 conn.	Nickel plated brass	27 mm	Unshielded	4 mm	PNP	55.00	49.28	46.20
653-E2AM08LN04M1B1	E2A-M08LN04-M1-B1	CC	M8	M12 conn.	Nickel plated brass	49 mm	Unshielded	4 mm	PNP	57.00	51.07	47.88
653-E2AM12KN08M1B1	E2A-M12KN08-M1-B1	DD	M12	M12 conn.	Nickel plated brass	34 mm	Unshielded	8 mm	PNP	57.00	51.07	47.88
653-E2AM12LN08M1B1	E2A-M12LN08-M1-B1	EE	M12	M12 conn.	Nickel plated brass	56 mm	Unshielded	8 mm	PNP	57.00	51.07	47.88
653-E2AM18KN16M1B1	E2A-M18KN16-M1-B1	FF	M18	M12 conn.	Nickel plated brass	39 mm	Unshielded	16 mm	PNP	61.00	54.66	51.24
653-E2AM18LN16M1B1	E2A-M18LN16-M1-B1	GG	M18	M12 conn.	Nickel plated brass	61 mm	Unshielded	16 mm	PNP	61.00	54.66	51.24
653-E2AM30LN30M1B1	E2A-M30LN30-M1-B1	HH	M30	M12 conn.	Nickel plated brass	66 mm	Unshielded	30 mm	PNP	68.00	60.93	57.12

OMRON Proximity Sensors

OMRON
INDUSTRIAL AUTOMATIC



DIMENSIONS: mi

OMRON E2S SERIES SUBMINIATURE INDUCTIVE PROXIMITY SENSORS

Specifications:
- Supply voltage: 12-24 VDC
- Detectable object type: Ferrous metal
- Response frequency: 1kHz min.
- Pre-wired with 1M cable

Features:
- World's smallest square sensor with built-in amplifier
- High response frequency for fast machine processes
- Mounting bracket supplied

For quantities of 20 and up, call for quot

MOUSER STOCK NO.	Omron Part No.	Fig.	Sensing Distance	Setting Distance	Output Configuration	Sensing Surface	Indicator	Price Each		
								1	5	10
653-E2S-W21-1M	E2S-W21-1M	A	2.5 mm	0-1.9 mm	DC 2-Wire NO	Front face	Operation (red), Setting (green)	39.00	34.94	32.76
653-E2S-Q21-1M	E2S-Q21-1M	B	2.5 mm	0-1.9 mm	DC 2-Wire NO	End face	Operation (red), Setting (green)	39.00	34.94	32.76
653-E2S-W13-1M	E2S-W13-1M	C	1.6 mm	0-1.2 mm	DC 3-Wire NPN NO	Front face	Operation (orange)	33.50	30.02	28.14
653-E2S-Q13-1M	E2S-Q13-1M	D	1.6 mm	0-1.2 mm	DC 3-Wire NPN NO	End face	Operation (orange)	33.50	30.02	28.14
653-E2S-W23-1M	E2S-W23-1M	A	2.5 mm	0-1.9 mm	DC 3-Wire NPN NO	Front face	Operation (orange)	33.50	30.02	28.14
653-E2S-Q23-1M	E2S-Q23-1M	B	2.5 mm	0-1.9 mm	DC 3-Wire NPN NO	End face	Operation (orange)	35.50	31.81	29.82
653-E2S-W15-1M	E2S-W15-1M	C	1.6 mm	0-1.2 mm	DC 3-Wire PNP NO	Front face	Operation (orange)	33.50	30.02	28.14
653-E2S-Q15-1M	E2S-Q15-1M	D	1.6 mm	0-1.2 mm	DC 3-Wire PNP NO	End face	Operation (orange)	33.50	30.02	28.14
653-E2S-W25-1M	E2S-W25-1M	A	2.5 mm	0-1.9 mm	DC 3-Wire PNP NO	Front face	Operation (orange)	33.50	30.02	28.14
653-E2S-Q25-1M	E2S-Q25-1M	B	2.5 mm	0-1.9 mm	DC 3-Wire PNP NO	End face	Operation (orange)	33.50	30.02	28.14

OMRON E3C-LDA SERIES SMART LASER BEAM PHOTOELECTRIC SENSORS

Specifications:
- Light source: Red semiconductor laser diode, 2.5 mW max.
- Indicators: LDON: green; Operation: Orange
- Amplifier supply voltage: 12-24 VDC
- Advanced amplifier unit functions: Power tuning, differential detection, timer, zero-reset initial reset, mutual interference prevention, preset counter (external input models only), and reversed display.
- Advanced amplifier unit I/O settings: Output setting - Channel 2 output, area output, or self-diagnosis. External input setting - teching, power tuning, zero reset, light OFF, or counter reset

Features:
- Separate digital amplifiers feature long-distance detection and installs easily
- Focusable beam-spot and optical axis adjustability for line, spot and area type laser beams is an industry first four different sensing heads that are interchangeable and are equivalent to through-beam sensors
- Smart functionality includes two outputs, power tuning functions with 1-touch programming, differential function, mutual interference prevention, and high-speed response
- Construction, speed, accuracy and reliability combine to make this photoelectric sensor series suitable for use in production processes where high precision and fast response times are vital

SENSOR HEADS

For quantities of 20 and up, call for quot

MOUSER STOCK NO.	Omron Part No.	Fig.	Sensing Method	Focus	Sensing Distance	Beam Size	Comments	Price Each		
								1	2	5
653-E3C-LD11-2M	E3C-LD11-2M	E	Diffuse Reflective	Spot	30-700 mm	0.8 mm max.	Mount beam unit for line or area beam	302.00	270.59	253.68
653-E3C-LD21-2M	E3C-LD21-2M	F	Diffuse Reflective	Line	30-700 mm	33 mm	Consists of E39-P11 mounted to E3C-LD11	394.75	341.06	319.75
653-E3C-LD31-2M	E3C-LD31-2M	F	Diffuse Reflective	Area	30-700 mm	33 x 15 mm	Consists of E39-P21 mounted to E3C-LD11	394.75	353.70	331.59
653-E3C-LR11-2M	E3C-LR11-2M	G	Coaxial Retroreflective	Spot (var.)	5 M	0.8 mm max.	For line or area beam, mount beam unit	352.76	316.07	296.32
653-E3C-LR12-2M	E3C-LR12-2M	G	Coaxial Retroreflective	Spot (fixed)	5 M	2.0 mm dia.	- - -	350.00	313.60	294.00

ADVANCED AMPLIFIER UNITS

For quantities of 20 and up, call for quot

MOUSER STOCK NO.	Omron Part No.	Fig.	Type	Type	Connection	Functions	Price Each		
							1	2	5
653-E3C-LDA11-2M	E3C-LDA11-2M	H	Twin output	NPN	Prewired 2 M Cable	Area output, self-diagnosis, differential operation	219.30	196.49	184.21
653-E3C-LDA21-2M	E3C-LDA21-2M	H	External input	NPN	Prewired 2 M Cable	Remote setting, counter, differential operation	219.30	196.49	184.21
653-E3C-LDA41-2M	E3C-LDA41-2M	H	Twin output	PNP	Prewired 2 M Cable	Area output, self-diagnosis, differential operation	219.30	196.49	184.21
653-E3C-LDA51-2M	E3C-LDA51-2M	H	External input	PNP	Prewired 2 M Cable	Remote setting, counter, differential operation	219.30	196.49	184.21
653-E3C-LDA6	E3C-LDA6	I	Twin output	NPN	Separate Connector	Area output, self-diagnosis, differential operation	216.00	193.54	181.44
653-E3C-LDA7	E3C-LDA7	I	External input	NPN	Separate Connector	Remote setting, counter, differential operation	216.00	193.54	181.44
653-E3C-LDA8	E3C-LDA8	I	Twin output	PNP	Separate Connector	Area output, self-diagnosis, differential operation	216.00	193.54	181.44
653-E3C-LDA9	E3C-LDA9	I	External input	PNP	Separate Connector	Remote setting, counter, differential operation	216.00	193.54	181.44

AMPLIFIER UNIT CONNECTORS

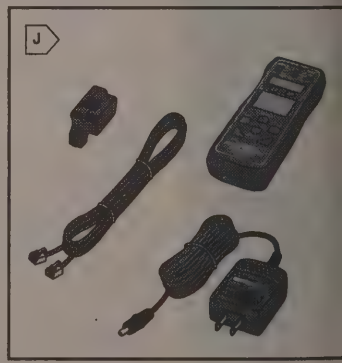
For quantities of 20 and up, call for quot

MOUSER STOCK NO.	Omron Part No.	Description	Price Each		
			1	5	10
653-E3X-CN21	E3X-CN21	Master connector for E3C-LDA6, E3C-LDA7, E3C-LDA8, E3C-LDA9. 2m (6.56 ft) cable, 4 conductors	18.00	16.13	15.12
653-E3X-CN22	E3X-CN22	Slave connector for E3C-LDA6, E3C-LDA7, E3C-LDA8, E3C-LDA9. 2m (6.56 ft) cable, 2 conductors	15.80	14.16	13.27

ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each		
			1	2	5
653-E39-P11	E39-P11	Beam unit, Line focus, for E3C-LD11	132.67	118.87	111.44
653-E39-P21	E39-P21	Beam unit, Area focus, for E3C-LD11	132.67	118.87	111.44
653-E39-P31	E39-P31	Beam unit, Line focus, for E3C-LR11	90.00	80.64	75.60
653-E39-P41	E39-P41	Beam unit, Area focus, for E3C-LR11	98.00	87.81	82.32
653-E39-L143	E39-L143	Mounting bracket for E3C	8.60	8.60	8.60
653-PFP-M	PFP-M	End plate	.69	.69	.69
653-E39-R12	E39-R12	Reflector, standard effective area of 23 x 23 mm	29.56	26.49	24.83
653-E39-R13	E39-R13	Reflector, standard effective area of 7 x 7 mm	17.83	15.98	14.98
653-E39-R14	E39-R14	Reflector, Transparent detection effective area of 23 x 23 mm	15.04	13.48	12.63



MOBILE CONSOLE UNIT

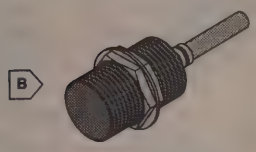
For quantities of 10 and up, call for quote.

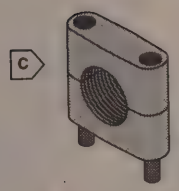
MOUSER STOCK NO.	Omron Part No.	Fig.	Description	Price Each		
				1	2	5
653-E3X-MC11-S	E3X-MC11-S	J	Includes mobile console (E3X-MC11-C1-S) with comm. head (E3X-MC11-H1), cable (E39-Z12-1), and AC adptr	410.00	367.36	344.40

E2E SERIES: SHORT BARREL INDUCTIVE PROXIMITY SENSORS

Specifications:
- Shielded type
- Supply voltage: 3-Wire miniature sensors -10 - 30 VDC
  3-Wire and 2-Wire standard sensors: 12 - 24 VDC
  2-Wire AC sensors: 249-240 VAC
- Sensing material: Magnetic metals
- Housing materials: Stainless steel (SS), nickel-plated brass (NPB), brass

Features:
- High visibility indicator
- NEMA 1, 3, 4, 6, 12, 13, and IP67 enclosure rating for miniature sensors
- NEMA 1, 4, 6, 12, 13, and IP67 enclosure rating forstandard sensors
- Pre-wired with 2m cable





Mounting Bracket

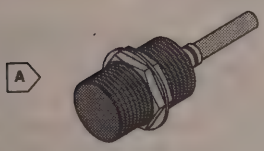
For quantities of 20 and up, call for quote.

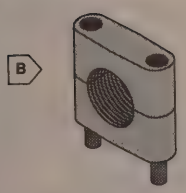
MOUSER STOCK NO.	Omron Part No.	Fig.	Barrel Size	Sensing Distance	Output	Housing Material	Price Each 1	5	10
3-Wire DC Pre-wired Miniature Sensors									
653-E2E-CR8B1	E2E-CR8B1	A	Ø4 mm	0.8 mm	PNP-NO	SS	86.00	77.06	69.83
653-E2E-CR8C1	E2E-CR8C1	A	Ø4 mm	0.8 mm	NPN-NO	SS	86.00	77.06	69.83
653-E2E-C1C1	E2E-C1C1	A	Ø5.4 mm	1 mm	NPN-NO	NPB	86.00	77.06	69.83
653-E2E-X1B1	E2E-X1B1	B	M5	1 mm	PNP-NO	NPB	86.00	77.06	69.83
653-E2E-X1C1	E2E-X1C1	B	M5	1 mm	NPN-NO	NPB	86.00	77.06	69.83
3-Wire DC Pre-wired Standard Sensors									
653-E2E-X1R5E1-N	E2E-X1R5E1-N	B	M8	1.5 mm	NPN-NO	SS	63.00	56.45	51.16
653-E2E-X2E1-N	E2E-X2E1-N	B	M12	2 mm	NPN-NO	Brass	63.00	56.45	51.16
653-E2E-X2F1-N	E2E-X2F1-N	B	M12	2 mm	PNP-NO	Brass	63.00	56.45	51.16
653-E2E-X5E1-N	E2E-X5E1-N	B	M18	5 mm	NPN-NO	Brass	65.00	58.24	52.78
653-E2E-X5F1-N	E2E-X5F1-N	B	M18	5 mm	PNP-NO	Brass	65.00	58.24	52.78
2-Wire DC Pre-wired Standard Sensors									
653-E2E-X2D1-N-N	E2E-X2D1-N-N	B	M8	2 mm	NPN-NO	SS	65.00	58.24	52.78
653-E2E-X3D1-N-N	E2E-X3D1-N-N	B	M12	3 mm	NPN-NO	Brass	66.00	59.14	53.59
653-E2E-X7D1-N-N	E2E-X7D1-N-N	B	M18	7 mm	NPN-NO	Brass	68.00	60.93	55.22
2-Wire AC Pre-wired Standard Sensors without short-circuit protection									
653-E2E-X1R5Y1-N	E2E-X1R5Y1-N	B	M8	1.5 mm	SCR-NO	SS	75.00	67.20	60.90
653-E2E-X2Y1-US-N	E2E-X2Y1-US-N	B	M12	2 mm	SCR-NO	Brass	75.00	67.20	60.90
653-E2E-X5Y1-US-N	E2E-X5Y1-US-N	B	M18	5 mm	SCR-NO	Brass	80.00	71.68	64.96
Accessories			Description				1	25	50
653-Y92E-B8	Y92E-B8	C	Mounting bracket - fits M8 size sensors				2.60	2.33	2.11
653-Y92E-B12	Y92E-B12	C	Mounting bracket - fits M12 size sensors				2.60	2.33	2.11
653-Y92E-B18	Y92E-B18	C	Mounting bracket - fits M18 size sensors				2.60	2.33	2.11

E2EM SERIES: EXTENDED RANGE INDUCTIVE PROXIMITY SENSORS

Specifications:
- Operation with sensing object approaching: NO
- Supply voltage: 12-24 VDC
- Sensing object: Ferrous metal
- Differential travel: 15% max. of sensing distance
- Indicators: Operation (red LED); operation set (green LED)

Features:
- Greater sensing distance offers greater design flexibility
- Sensing distances approximately 1.5 - 2 times larger than that of any conventional sensor
- Reduces problems such as the collision of workpieces
- No polarity so problems associated with reverse wiring are eliminated





Mounting Bracket

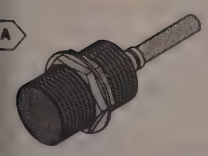
For quantities of 20 and up, call for quote.

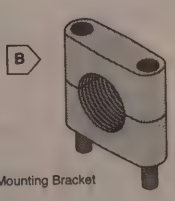
MOUSER STOCK NO.	Omron Part No.	Fig.	Sensing Head	Sensing Distance	Type	Output	Price Each 1	5	10
DC 2-Wire/Pre-Wired Models									
653-E2EM-X4X1-2M	E2EM-X4X1-2M	A	M12	4 mm	Shielded	-----	76.00	68.10	63.84
653-E2EM-X8X1-2M	E2EM-X8X1-2M	A	M18	8 mm	Shielded	-----	78.00	69.89	65.52
653-E2EM-X15X1-2M	E2EM-X15X1-2M	A	M30	15 mm	Shielded	-----	82.00	73.47	68.88
653-E2EM-X16MX1-2M	E2EM-X16MX1-2M	A	M18	16 mm	Unshielded	-----	88.00	78.85	73.92
653-E2EM-X30MX1-2M	E2EM-X30MX1-2M	A	M30	30 mm	Unshielded	-----	113.00	101.25	94.92
DC 3-Wire/Pre-Wired Models									
653-E2EM-X2C1	E2EM-X2C1	A	M8	2 mm	Shielded	NPN	73.00	65.41	61.32
653-E2EM-X2B1	E2EM-X2B1	A	M8	2 mm	Shielded	PNP	73.00	65.41	61.32
653-E2EM-X4C1	E2EM-X4C1	A	M12	4 mm	Shielded	NPN	73.00	65.41	61.32
653-E2EM-X4B1	E2EM-X4B1	A	M12	4 mm	Shielded	PNP	73.00	65.41	61.32
653-E2EM-X8C1	E2EM-X8C1	A	M18	8 mm	Shielded	NPN	75.00	67.20	63.00
653-E2EM-X8B1	E2EM-X8B1	A	M18	8 mm	Shielded	PNP	75.00	67.20	63.00
653-E2EM-X15C1	E2EM-X15C1	A	M30	15 mm	Shielded	NPN	79.00	70.78	66.36
653-E2EM-X15B1	E2EM-X15B1	A	M30	15 mm	Shielded	PNP	79.00	70.78	66.36
Accessories							1	25	50
653-Y92E-B8	Y92E-B8	B	Mounting bracket - fits M8 size sensors				2.60	2.33	2.11
653-Y92E-B12	Y92E-B12	B	Mounting bracket - fits M12 size sensors				2.60	2.33	2.11
653-Y92E-B18	Y92E-B18	B	Mounting bracket - fits M18 size sensors				2.60	2.33	2.11
653-Y92E-B30	Y92E-B30	B	Mounting bracket - fits M30 size sensors				3.00	2.69	2.44

E2EV SERIES: ALL METAL SENSING INDUCTIVE PROXIMITY SENSORS

Specifications:
- Supply voltage: 10-30 VDC, max. ripple 10% p-p
- Current consumption: 15mA max.
- Differential travel: 10% max. of sensing distance
- Indicators: Target present (red LED)

Features:
- One sensor detects all kinds of metal at equal distance
- Offers up to 3 times the detection distance for aluminum compared to conventional inductive sensors
- Pre-wired with 2 meters of cable (6.56 ft.)



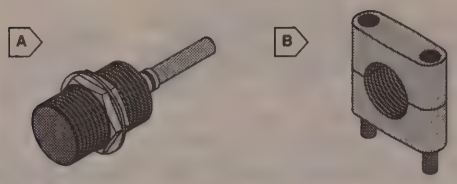


Mounting Bracket

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Sensing Head	Sensing Distance	Type	Output	Price Each 1	5	10
653-E2EV-X2C1	E2EV-X2C1	A	M12	2 mm	Shielded	NPN-NO	105.50	94.53	88.62
653-E2EV-X5C1	E2EV-X5C1	A	M18	5 mm	Shielded	NPN-NO	109.00	97.66	91.56
653-E2EV-X10C1	E2EV-X10C1	A	M30	10 mm	Shielded	NPN-NO	112.00	100.35	94.08
653-E2EV-X2C2	E2EV-X2C2	A	M12	2 mm	Shielded	NPN-NC	105.50	94.53	88.62
653-E2EV-X5C2	E2EV-X5C2	A	M18	5 mm	Shielded	NPN-NC	109.00	97.66	91.56
653-E2EV-X10C2	E2EV-X10C2	A	M30	10 mm	Shielded	NPN-NC	112.00	100.35	94.08
Accessories							1	25	50
653-Y92E-B12	Y92E-B12	B	Mounting bracket - fits M12 size sensors				2.60	2.33	2.11
653-Y92E-B18	Y92E-B18	B	Mounting bracket - fits M18 size sensors				2.60	2.33	2.11
653-Y92E-B30	Y92E-B30	B	Mounting bracket - fits M30 size sensors				3.00	2.69	2.44

E2EY SERIES: ALUMINUM-DETECTING PROXIMITY SENSORS



Specifications:
- Supply voltage: 10-30 VDC, max. ripple 10% p-p
- Current consumption: 20mA max.
- Differential travel: 20% max. of sensing distance
- Indicators: Target present (red LED)

Features:
- Ignores magnetic metals but detects non-magnetic ones such as aluminum, copper, or brass.
- Shielded for flush mounting in metal
- Pre-wired with 2 meters of 3-conductor cable (6.56 ft.)

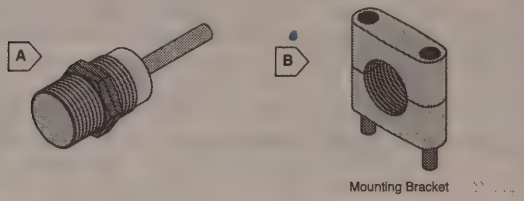
For quantities of 20 and up, call for quo

MOUSER STOCK NO.	Omron Part No.	Fig.	Barrel Size	Sensing Distance	Type	Output	Price Each 1	5	10
653-E2EY-X4C1	E2EY-X4C1	A	M18	4 mm	Shielded	NPN-NO	145.00	129.92	121.8
653-E2EY-X8C1	E2EY-X8C1	A	M30	8 mm	Shielded	NPN-NO	150.00	134.40	126.0
							1	25	50
653-Y92E-B18	Y92E-B18	B	Mounting bracket - fits M18 size sensors				2.60	2.33	2.1
653-Y92E-B30	Y92E-B30	B	Mounting bracket - fits M30 size sensors				3.00	2.69	2.4

E2F SERIES: PLASTIC CYLINDRICAL INDUCTIVE PROXIMITY SENSOR

Specifications:
- Shielded type
- Detectable object type: Metallic
- Mounting: 2 plastic nuts included

Features:
- High visibility indicator
- NEMA 1, 3, 4, 6, 12, 13, and IP68 enclosure rating
- Pre-wired with 2m cable



Mounting Bracket

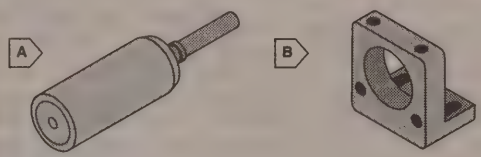
For quantities of 20 and up, call for quo

MOUSER STOCK NO.	Omron Part No.	Fig.	Supply Voltage	Barrel Size	Sensing Distance	Output	Price Each 1	5	10
3-Wire DC Pre-wired									
653-E2F-X1R5E1	E2F-X1R5E1	A	10-24 DC	M8	1.5 mm	NPN-NO	61.00	54.66	49.5
653-E2F-X2E1	E2F-X2E1	A	10-24 DC	M12	2 mm	NPN-NO	59.00	52.86	47.9
653-E2F-X5E1	E2F-X5E1	A	10-24 DC	M18	5 mm	NPN-NO	60.00	53.76	48.7
653-E2F-X10E1	E2F-X10E1	A	10-24 DC	M30	10 mm	NPN-NO	65.50	58.69	53.1
2-Wire AC Pre-wired, without short-circuit protection									
653-E2F-X1R5Y1	E2F-X1R5Y1	A	20-264 AC	M8	1.5 mm	SCR-NO	77.00	68.99	62.5
653-E2F-X2Y1	E2F-X2Y1	A	20-264 AC	M12	2 mm	SCR-NO	77.00	68.99	62.5
653-E2F-X5Y1-US	E2F-X5Y1-US	A	20-264 AC	M18	5 mm	SCR-NO	79.00	70.78	64.1
Accessories			Description				1	25	50
653-Y92E-B8	Y92E-B8	B	Mounting bracket - fits M8 size sensors				2.60	2.33	2.11
653-Y92E-B12	Y92E-B12	B	Mounting bracket - fits M12 size sensors				2.60	2.33	2.11
653-Y92E-B18	Y92E-B18	B	Mounting bracket - fits M18 size sensors				2.60	2.33	2.11
653-Y92E-B30	Y92E-B30	B	Mounting bracket - fits M30 size sensors				3.00	2.69	2.44

E2K-C SERIES: ADJUSTABLE CAPACITIVE SENSOR

Specifications:
- Unshielded type
- Enclosure ratings: UL - 1; NEMA - 1, 4, 12, 13; IEC 144-IP67
- Pre-wired with 2m of cable
- Barrel size: 34mm

Features:
- Adjustable sensing distance
- Non-contact detection of metallic and non-metallic objects
- Indirect detection of materials inside non-metallic containers
- Mounting bracket included

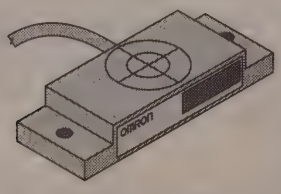


Mounting Bracket

For quantities of 20 and up, call for quo

MOUSER STOCK NO.	Omron Part No.	Fig.	Supply Voltage	Barrel Size	Sensing Distance	Output	Price Each 1	10	25
DC Switching Type									
653-E2K-C25ME1	E2K-C25ME1	A	10 - 40 VDC	34 mm	3-25 mm	NPN-NO	122.00	109.31	99.0
653-E2K-C25ME2	E2K-C25ME2	A	10 - 40 VDC	34 mm	3-25 mm	NPN-NC	122.00	109.31	99.0
AC Switching Type									
653-E2K-C25MY1	E2K-C25MY1	A	90 - 250 VAC	34 mm	3-25 mm	SCR-NO	122.00	109.31	99.0
653-E2K-C25MY2	E2K-C25MY2	A	90 - 250 VAC	34 mm	3-25 mm	SCR-NC	122.00	109.31	99.0
Accessories			Description				1	10	25
653-Y92E-A34	Y92E-A34	B	Mounting bracket for E2K-C				4.30	3.86	3.4

E2K-F SERIES: FLAT-PACK CAPACITIVE PROXIMITY SENSOR



Specifications:
- Unshielded type
- Supply voltage: 10-30 VDC
- Current consumption: 10mA max.
- Differential travel: 15% max. of sensing distance
- Indicators: Target present (red LED)
- Pre-wired with 2 meters of 3-conductor cable (6.56 ft.)

Features:
- Fits space-confined installations
- Non-contact detection of metallic and non-metallic targets including water, oil, glass, plastic, and wood
- Detects level inside non-metallic containers
- Thin plastic body ideal for conveyor wall mounting
- Built-in DC amplifier provides NPN switching of loads to 100mA

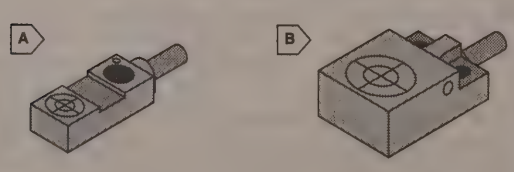
For quantities of 20 and up, call for quo

MOUSER STOCK NO.	Omron Part No.	Dimensions L x W x H (mm)	Sensing Distance	Output	Price Each 1	5	10
653-E2K-F10MC1	E2K-F10MC1	50 x 20 x 10	10 mm	NPN-NO	68.50	61.38	57.5
653-E2K-F10MC2	E2K-F10MC2	50 x 20 x 10	10 mm	NPN-NO	68.50	61.38	57.5

TL-W SERIES: MINIATURE FLAT-PACK INDUCTIVE PROXIMITY SENSOR

Specifications:
- Unshielded type
- Pre-wired with 3-conductor 2m length of cable
- Body material: ABS plastic
- Supply voltage: 10-30 VDC

Features:
- Space-saving mounting area ideal for conveyor wall mounting
- Watertight construction conforms to IP67
- Enclosure rating: NEMA - 1, 2, 3, 4X, 6, 12, 13

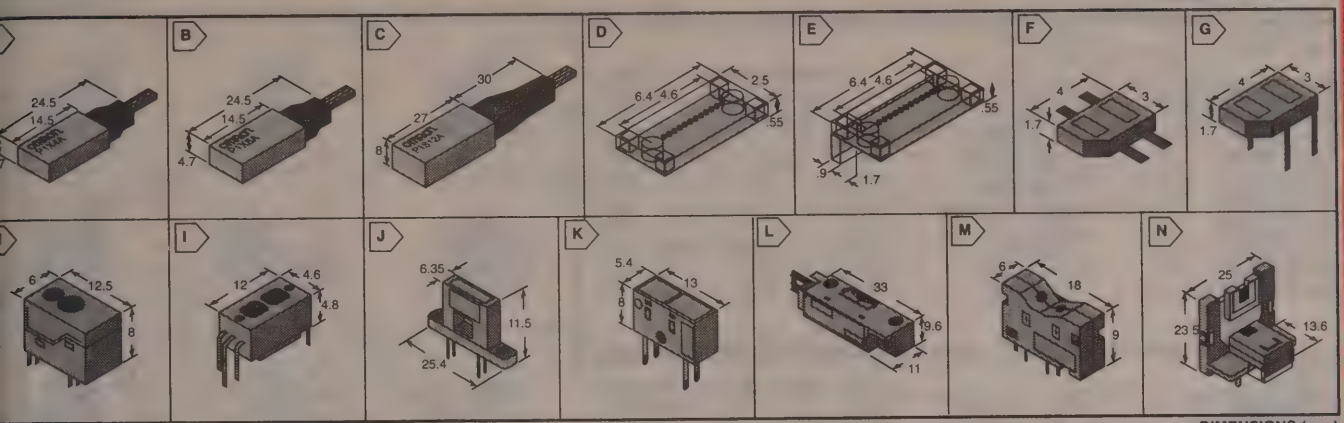


For quantities of 20 and up, call for quo

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions L x W x H (mm)	Sensing Distance	Output	Price Each 1	5	10
653-TL-W3MB1	TL-W3MB1	A	27 x 10 x 6	3 mm	PNP-NO	55.10	49.37	44.7
653-TL-W3MC1	TL-W3MC1	A	27 x 10 x 6	3 mm	NPN-NO	55.10	49.37	44.7
653-TL-W5MB1	TL-W5MB1	B	30.5 x 18 x 10	5 mm	PNP-NO	47.00	42.11	38.1
653-TL-W5MC1	TL-W5MC1	B	30.5 x 18 x 10	5 mm	NPN-NO	47.00	42.11	38.1

OMRON Optical Devices and Photomicrosensors

OMRON ELECTRONIC COMPONENTS



DIMENSIONS (mm)

CWDM MUX / DEMUX

tures:
orld's smallest CWDM Mux/Demux with oprietary micro-lens array (MLA) design and tegrated optical elements
ther wavelengths available

Specifications:
- Isolation: ≥30dB (35dB typ)
- Return loss: ≥35dB(40dB typ)

Applications:
- CWDM (Coarse Wavelength Division Multiplexers)
- BPON (Broadband Passive Optical Network)
- WDMPON (Wavelength Division Multiplexed Passive Optical Network)

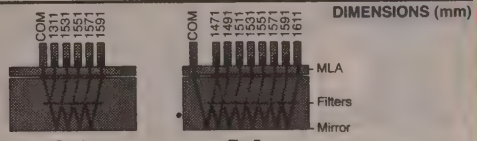


Fig. A Fig. B

For quantities of 5 and up, call for quote.

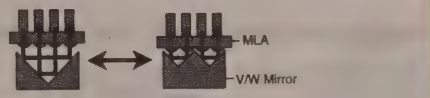
MOUSER STOCK NO.	Omron Part No.	Fig.	Insertion Loss	Pass Bandwidth	Center Wavelength	Number of Channels	Price Each 1	Price Each 2
3-P1X4A-DX1511	P1X4A-DX1511S20-SC	A	≤2.5dB (1.7dB typ)	13nm	1511	4	655.00	568.00
3-P1X4A-MX1511	P1X4A-MX1511S20-SC	A	≤2.5dB (1.7dB typ)	13nm	1511	4	655.00	568.00
3-P1X8A-DX1471	P1X8A-DX1471S20-SC	B	≤3.0dB (2.5dB typ)	13nm	1471	8	1250.00	1084.00
3-P1X8A-MX1471	P1X8A-MX1471S20-SC	B	≤3.0dB (2.5dB typ)	13nm	1471	8	1250.00	1084.00

OPTICAL SWITCHES

atures:
mall size
atching function for low power consumption

Specifications:
- Cross talk: ≥55dB
- Return loss: 40dB typ.
- Switching time: 1.5msec typ.
- Rated voltage: 5VDC, 100mW
- Insertion loss: 1.2dB typ.

Applications:
- Redundancy, monitoring, restoration
- OXC (Optical Cross Connect Circuit)
- OADM (Optical Add/Drop Multiplex Circuit)



For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Switch Type	Type	Wavelength Range	Price Each 1	Price Each 2
53-P1S12B-LDSC	P1S12B-LD-SC	C	Latching	1 x 2	1290-1360nm 1530-1565nm 1565-1625nm	394.00	342.00
53-P1S12B-DSC	P1S12B-D-SC	C	Non-latching	1 x 2	1290-1360nm 1530-1565nm 1565-1625nm	394.00	342.00
53-P1S22B-LDSC	P1S22B-LD-SC	C	Latching	2 x 2	1290-1360nm 1530-1565nm 1565-1625nm	495.00	430.00
53-P1S22B-DSC	P1S22B-D-SC	C	Non-latching	2 x 2	1290-1360nm 1530-1565nm 1565-1625nm	495.00	430.00

MULTIMODE MICRO-LENS ARRAY (MLA)

atures:
Easy alignment with high precision positioning holes based on MT guide pins

Applications:
- Free-space optical connectivity
- Transceiver (for parallel optical link)

pecifications:
Cross talk: ≥50dB

Fig. E Fig. D

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Description	Insertion Loss (Typ.)	Number of Lenses	Price Each 1	Price Each 2
53-P1L12A-C1	P1L12A-C1	D	Flat, collimator, Air gap = 1.5mm	1.2dB	1 x 12	34.50	30.00
53-P1L12A-C2	P1L12A-C2	D	Flat, collimator, Air gap = 2.5mm	1.2dB	1 x 12	34.50	30.00
53-P1L12A-F1	P1L12A-F1	D	Flat, focuser, VtoL =0.3mm LtoF = 0.3mm	1.5dB	1 x 12	34.50	30.00
53-P1L12A-F2	P1L12A-F2	D	Flat, focuser, VCSEL to Lens = 0.2mm	1.5dB	1 x 12	34.50	30.00
53-P1L12C-F2	P1L12C-F2	E	Right angle, focuser, FtoL = 0.4mm	1.5dB	2 x 12	51.00	44.20
53-P1L12C-F1	P1L12C-F1	E	Right angle, focuser, V to L = 0.3mm L to F = 0.5mm	1.5dB	2 x 12	51.00	44.20

REFLECTIVE NON-AMPLIFIED PHOTOMICROSENSORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Output Configuration	Sensing Distance	Termination	Comments	Price Each 1	Price Each 25	Price Each 50
53-EE-SY125	EE-SY125	F	Phototransistor	1mm	SMD		1.76	1.65	1.51
53-EE-SY124	EE-SY124	G	Phototransistor	1mm	PCB terminals		1.76	1.65	1.51
53-EE-SY169	EE-SY169	H	Phototransistor, convergent lens	4mm	PCB terminals	Red LED	9.78	9.24	8.45
53-EE-SY169A	EE-SY169A	H	Phototransistor, convergent lens	4mm	PCB terminals	Infra-red LED	8.75	8.27	7.50
53-EE-SY310	EE-SY310	I	Phototransistor Dark-On	5mm	PCB terminals	Schmitt trigger, pre-amp	3.21	3.03	2.76
53-EE-SY410	EE-SY410	I	Phototransistor Light-On	5mm	PCB terminals	Schmitt trigger, pre-amp	3.21	3.03	2.76
53-EE-SB5	EE-SB5	J	Phototransistor	5mm	Solder terminals	TTL compatible	4.45	4.20	3.84
53-EE-SB5-B	EE-SB5-B	J	Phototransistor	5mm	PCB terminals	TTL compatible	4.45	4.20	3.84
53-EE-SF5	EE-SF5	K	Phototransistor	5mm	Solder terminals	TTL compatible	4.37	4.13	3.77
53-EE-SF5-B	EE-SF5-B	K	Phototransistor	5mm	PCB terminals	TTL compatible	4.37	4.13	3.77
53-EE-SPY415	EE-SPY415	L	Photo IC	3-19mm	Connector		14.09	13.31	11.03

MICROPHOTONIC NON-AMPLIFIED PHOTOMICROSENSORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Output Configuration	Sensing Distance	Comments	Price Each 1	Price Each 25	Price Each 50
653-EE-SY190	EE-SY190	M	Phototransistor Dark-On	4.5mm	Top view model Regular or diffuse reflective	8.08	7.63	6.98
653-Z4D-A01	Z4D-A01	N	2 Analog Volt	6.5mm	Position sens. diode/LED Regular or diffuse reflective	47.74	45.95	42.01

OMRON TRANSMISSIVE NON-AMPLIFIED PHOTOMICROSENSORS

• EE-SX1088-W1 includes wiring harness

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Configuration	Slot W x D	Aperature Orientation	Price Each 1	Price Each 25
653-EE-SG3	A	Phototransistor	3.6x9mm	2mm	3.33	3.15
653-EE-SG3-B	A	Phototransistor	3.6x9mm	2mm	3.33	3.15
653-EE-SJ3-D	B	Phototransistor	3.4x7.2mm	0.2mm	2.95	2.79
653-EE-SX1025	C	Phototransistor	2.8x4.4mm	0.5mm	1.90	1.79
653-EE-SX1031	D	Phototransistor, dual channel	3.4x7.2mm	0.5mm	3.80	3.59
653-EE-SX1035	E	Phototransistor	5.2x5.4mm	0.5mm	1.97	1.86
653-EE-SX1042	F	Phototransistor	5x12mm	0.5mm	1.55	1.46
653-EE-SX1070	G	Phototransistor	8x8.2mm	0.5mm	1.55	1.46
653-EE-SX4070	G	Photo IC Light-On	8x7.5mm	0.5mm	1.79	1.69
653-EE-SX1088-W1	H	Phototransistor	3.4x7.5mm	0.5mm	6.02	5.59

OMRON DIFFUSE REFLECTIVE AMPLIFIED PHOTOMICROSENSORS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Configuration	Sensing Distance	Comments	Price Each 1	Price Each 25
653-EE-SB5V	I	Light-On	5mm	CMOS- and TTI-compatible	11.69	11.05
653-EE-SB5V-E	I	Light-On	19mm	CMOS- and TTI-compatible	16.35	15.45
653-EE-SY671	J	Light-On/Dark-On	1-5mm	Sensitivity adjuster, side detect	19.04	17.99
653-EE-SY672	K	Light-On/Dark-On	1-5mm	Sensitivity adjuster, top detect	19.04	17.99
653-EE-SPZ301W-01	L	Dark-On	30mm	- - -	58.45	55.24
653-EE-SPZ401W-01	L	Light-On	30mm	- - -	58.45	55.24

OMRON CONVERGENT REFLECTIVE AMPLIFIED PHOTOMICROSENSORS

For quantities of 50 and up, call for quote.

653-EE-SPY311	M	Dark-On	5mm	Side-detecting	31.77	30.02
653-EE-SPY312	N	Dark-On	5mm	Top-detecting	31.77	30.02
653-EE-SPY411	M	Light-On	5mm	Side-detecting	31.77	30.02
653-EE-SPY412	N	Light-On	5mm	Top-detecting	31.77	30.02

OMRON TRANSMISSIVE AMPLIFIED PHOTOMICROSENSORS

For quantities of 50 and up, call for quote.

653-EE-SPW321	O	Dark-On	30cm	Variable aperture width	125.76	118.85
653-EE-SPW421	O	Light-On	30cm	Variable aperture width	125.76	118.85
653-EE-SPW311	P	Dark-On	1 M	Emitter/Receiver Pair 5-24VDC IN	73.70	69.65
653-EE-SPW411	P	Light-On	1 M	Emitter/Receiver Pair 5-24VDC IN	73.70	69.65
653-EE-SPZ301A	Q	Dark-On	200mm	Fiber-optic sensing head	42.75	40.40
653-EE-SPZ401A	Q	Light-On	200mm	Fiber-optic sensing head	42.75	40.40

OMRON TRANSMISSIVE SLOT-TYPE AMPLIFIED PHOTOMICROSENSORS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Configuration	Sensing Distance	Slot W x D	Comments	Price Each 1	Price Each 25
653-EE-SX670	R	Light-On/Dark-On	5mm	5x9mm	Dust-proof slit	15.75	14.89
653-EE-SX670A	R	Light-On/Dark-On	5mm	5x9mm	Dust-proof slit	15.75	14.89
653-EE-SX671	S	Light-On/Dark-On	5mm	5x9mm	Dust-proof slit	16.08	15.19
653-EE-SX671A	S	Light-On/Dark-On	5mm	5x9mm	Dust-proof slit	16.08	15.19
653-EE-SX672	T	Light-On/Dark-On	5mm	5x9mm	Dust-proof slit	16.26	15.37
653-EE-SX672A	T	Light-On/Dark-On	5mm	5x9mm	Dust-proof slit	16.26	15.37
653-EE-SX673	U	Light-On/Dark-On	5mm	5x9mm	Close mounting	16.84	15.92
653-EE-SX673A	U	Light-On/Dark-On	5mm	5x9mm	Close mounting	16.84	15.92
653-EE-SX674	V	Light-On/Dark-On	5mm	5x9mm	Close mounting	17.33	16.37
653-EE-SPX303	W	Dark-On	13mm	13x10mm	Close mounting	34.03	32.16
653-EE-SPX301	X	Dark-On	3.6mm	3.6x9mm	Light-ON indicator	32.72	30.92
653-EE-SPX302-W2A	Y	Dark-On	3.6mm	3.6x6.6mm	Pre-wired	48.43	45.77
653-EE-SPX304-W2A	Z	Dark-On	3.6mm	3.6x6.6mm	Pre-wired	48.43	45.77
653-EE-SPX305-W2A	AA	Dark-On	5mm	5x9mm	Pre-wired	54.32	51.33

OMRON THROUGH-BEAM SLOT-TYPE AMPLIFIED PHOTOMICROSENSORS

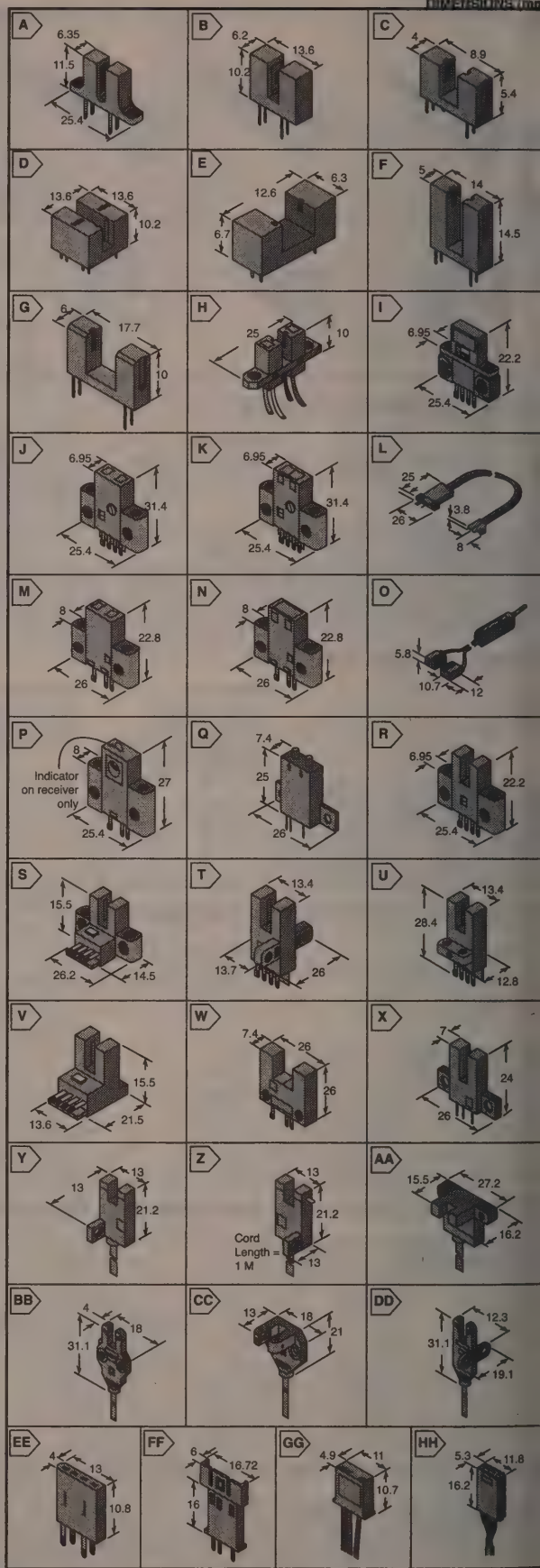
For quantities of 50 and up, call for quote.

653-EE-SX770	BB	Dark-On	5mm	5x9mm	Pre-wired	21.06	19.91
653-EE-SX771	CC	Dark-On	5mm	5x9mm	Pre-wired	22.30	21.07
653-EE-SX772	DD	Dark-On	5mm	5x9mm	Pre-wired	23.24	21.96
653-EE-SX870	BB	Light-On	5mm	5x9mm	Pre-wired	21.06	19.91
653-EE-SX871	CC	Light-On	5mm	5x9mm	Pre-wired	22.30	21.07
653-EE-SX872	DD	Light-On	5mm	5x9mm	PCB mount	23.24	21.96

OMRON PHOTOMICROSENSOR ACCESSORIES

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 25
653-EE-1001	EE	4 Pin connector	2.10	1.98
653-EE-1002	FF	3 Pin connector	2.12	2.00
653-EE-1003	GG	3 Pin connectorw/3.3" wire harness	3.79	3.58
653-EE-1006	HH	4 Pin connector w/6.6" wire harness	10.00	9.45
653-EE-1003A	-	Connector holder for EE-1003	1.17	1.10



OMRON E3F2: M18 CYLINDRICAL PHOTOELECTRIC SENSOR

cifications:
using material: Plastic or Nickel plated brass (NPB)
nnection method: 2m cable
pply voltage: AC models - 24-240 VAC; DC models - 10-30VDC
sponse time: AC models - 30 ms max.; DC models - 2.5ms max.
closure Rating: IEC IP66; NEMA 4
rough-beam models include emitter and receiver pair
troreflective type is non-polarized

Features:
- Threaded with built-in amplifier
- PVC Cable sheath
- Compact and space-saving
- Watertight construction
- DC switching types available with connector connection upon request

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Type	Light Source	Sensing	Range	Body Material	Price Each 1	5	10
Supply									
-E3F2-DS1N	E3F2-DS10Z1-N	Diffuse	Infrared LED	Light-On	100 mm	Plastic	77.50	69.44	62.93
-E3F2-DS2N	E3F2-DS10Z2-N	Diffuse	Infrared LED	Dark-On	100 mm	Plastic	77.50	69.44	62.93
-E3F2-R2Z1	E3F2-R2Z1	Retroreflective	Infrared LED	Light-On	2 m	Plastic	79.50	71.23	64.55
-E3F2-R2Z2	E3F2-R2Z2	Retroreflective	Infrared LED	Dark-On	2 m	Plastic	81.00	72.58	65.77
-E3F2-3Z1	E3F2-3Z1	Through-beam	Infrared LED	Light-On	3 m	Plastic	116.00	103.94	94.19
-E3F2-3Z2	E3F2-3Z2	Through-beam	Infrared LED	Dark-On	3 m	Plastic	116.00	103.94	94.19
Supply									
-E3F2-DS4N	E3F2-DS10C4-N	Diffuse	Infrared LED	NPN	10 cm	Plastic	67.00	60.03	54.40
-E3F2-DS4M	E3F2-DS10C4-M	Diffuse	Infrared LED	NPN	10 cm	NPB	59.00	52.86	47.91
-E3F2-R2C4	E3F2-R2C4	Retroreflective	Infrared LED	NPN	2 m	Plastic	69.00	61.82	56.03
-E3F2-R2RC4C	E3F2-R2RC4-C	Retroreflective	Red LED	NPN	2 m	NPB	85.50	76.61	69.43
-E3F2-7C4	E3F2-7C4	Through-beam	Infrared LED	NPN	7 m	Plastic	88.50	79.30	71.86
-E3F2-7C4-C	E3F2-7C4-C	Through-beam	Infrared LED	NPN	7 m	NPB	102.00	91.39	82.82
ccessories		Description					1	25	50
-Y92E-B18	Y92E-B18	Sensor mounting bracket					2.60	2.34	2.12
-E39-RSA	E39-RSA	Adhesive back reflector sheet, size 35x10mm					6.70	6.00	5.44
-E39-RSB	E39-RSB	Adhesive back reflector sheet, size 40x35mm					10.20	9.14	8.28
-E39-R1	E39-R1	Reflector - supplied w/ retroreflective units,100mm-6m sensing					11.10	9.95	9.01
-E39-L7	E39-L7	Mounting bracket for E39-R1 reflector (not supplied with reflector)					4.60	4.12	3.74

OMRON E3G SERIES: LONG DISTANCE PHOTOELECTRIC SENSOR

ecifications:
peration mode: Light-ON/Dark-ON switch selectable
upply voltage: 10 - 30 VDC
ensitivity adjustment: E3G-R13 - 1-turn potentiometer; E3G-L73 - Teaching
etroreflective type is non-polarized
esponse time: E3G - 1ms; E3G-L73 - 5ms
onnection method: 2m cable

Features:
- Circuit protection from reversed power supply connection, load short-circuit, and mutual interference
- E39-R2 reflector is supplied with E3G-R13 sensor
- E3G-L73 has a "Teach" mode, allowing for one-point teaching, two-point teaching, and zone teaching

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Type	Light Source	Output	Range	Price Each 1	5	10
-E3G-R13	E3G-R13	Retroreflective	Red LED	NPN/PNP	500 mm - 10 m	141.00	126.34	114.49
-E3G-L73	E3G-L73	Diffuse reflective	Infrared LED	NPN/PNP	200 mm - 2 m	156.00	139.78	126.67
ccessories		Description				1	25	50
-E39-R1	E39-R1	Reflector, 100mm-6m sensing				11.10	9.95	9.01
-E39-R2	E39-R2	Reflector - supplied w/ retroreflective units, 500mm-10m sensing				14.80	13.26	12.02
-E39-L131	E39-L131	Sensor mounting bracket				6.70	6.00	5.44
-E39-L7	E39-L7	Mounting bracket for E39-R1 reflector				4.60	4.12	3.74

OMRON E3S-A SERIES: COMPACT PHOTOELECTRIC SENSOR

ecifications:
upply voltage: 10 - 30 VDC
esponse time: 0.5 ms max. ON, 0.5 ms max. OFF
peration Mode: Light-ON/Dark-ON, switch selectable
ight source: Red LED
etroreflective type is polarized
re-wired versions have 2 m cable

Features:
- Enclosure meets NEMA 4X, 6 and IP67
- User-friendly features for ease of installation and use
- Mounting bracket E36-L69 supplied with horizontal sensors
- Mounting bracket E36-L70 supplied with vertical sensors
- Retroreflective sensors include E39-R1 reflector
- Through-beam sensors include both emitter and receiver

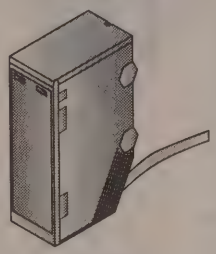
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Type	Mounting Position	Output	Range	Connection Method	Price Each 1	5	10
3-E3S-AT11	E3S-AT11	Through-beam	Horizontal	NPN	0-7m	Pre-wired	153.44	137.48	124.59
3-E3S-AT61	E3S-AT61	Through-beam	Vertical	NPN	0-7m	Pre-wired	153.44	137.48	124.59
3-E3S-AR11	E3S-AR11	Retroreflective	Horizontal	NPN	0.1-2m	Pre-wired	131.04	117.41	106.40
3-E3S-AR61	E3S-AR61	Retroreflective	Vertical	NPN	0.1-2m	Pre-wired	131.04	117.41	106.40
3-E3S-AR86	E3S-AR86	Retroreflective	Vertical	PNP	0.1-2m	Connector	134.40	120.42	109.13
ccessories		Description					1	25	50
3-E39-RSA	E39-RSA	Adhesive back reflector sheet, size 35x10mm					6.70	6.00	5.44
3-E39-RSB	E39-RSB	Adhesive back reflector sheet, size 40x35mm					10.20	9.14	8.28
3-E39-R1	E39-R1	Reflector, 100mm-6m sensing					11.10	9.95	9.01
3-E39-L59	E39-L59	Vertical mntg. bracket for vertical sensors (2 required for through-beam)					4.60	4.12	3.74
3-E39-L60	E39-L60	Mounting bracket spacer for connector versions					2.20	1.97	1.78
3-E39-L69	E39-L69	Mounting bracket for vertical sensors (supplied with each sensor)					4.60	4.12	3.74
3-E39-L70	E39-L70	Mounting bracket for horizontal sensors (supplied with each sensor)					4.60	4.12	3.74
3-Y96E-43SD10	Y96E-43SD10	Straight connector cordset, 10 m cable					29.00	25.98	23.55
3-Y96E-43RD10	Y96E-43RD10	Right angle connector cordset, 10 m cable					29.00	25.98	23.55
3-E39-E6	E39-E6	Mutual interference filters for E3S-AT (2 prs. horiz. & vert. w/ hardware)					24.00	21.50	19.49

E3F2 Series

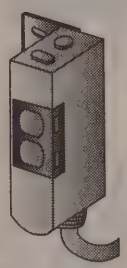
E3F2-DS10C4-N
E3F2-DS10C4-C
E3F2-R2C4
E3F2-R2RC4-C
E3F2-7C4
E3F2-7C4-C
E3F2-DS10Z2-N
E3F2-3Z1
E3F2-3Z2
E3F2-R2Z1
E3F2-R2Z2

E3G Series

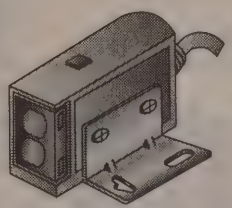


E3G-R13
E3G-L73

E3S-A Series



E3S-AT61
E3S-AR61



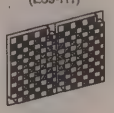
E3S-AT11
E3S-AR11

E3S-AR86

Accessories

Adhesive backed reflector (E39-RSA) (E39-RSB)

Reflector (E39-R1)

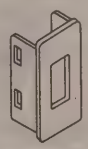


Reflector (E39-R2)

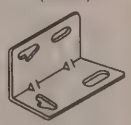
Sensor mounting bracket (Y92E-B18)

Mounting bracket (E39-L131)

Mounting bracket (E39-L59)



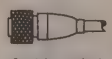
Interference filter (E39-E6)



Mounting bracket (E39-L69)

Spacer (E39-L60)

R/A cordset (Y96E-43RD5) (Y96E-43RD10)



Straight cordset (Y96E-43SD5) (Y96E-43SD10)

Accessories

Reflector (E39-R1)

Reflector (E39-R2)

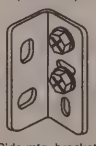
Reflector (E39-R3)

Reflector (E39-R4)

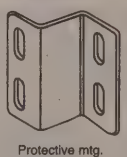
Adhesive-backed reflector (E3-RSA)

Adhesive-backed reflector (E3-RSB)

Tall mtg. bracked (E39-L116)



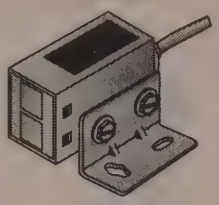
Side mtg. bracket (E39-L117)



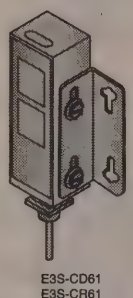
Protective mtg. bracket (E39-L118)

L-bracket, vertical (E39-L44)

E3S-C Series

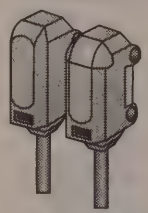


E3S-CD11
E3S-CD12
E3S-CR11
E3S-CT11



E3S-CD61
E3S-CR61
E3S-CT61

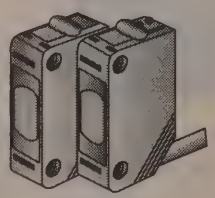
E3T SERIES



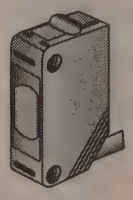
E3T-ST11
E3T-ST12

E3T-SL11 E3T-SR11
E3T-SL12 E3T-SR12

E3Z Series



E3Z-T61



E3Z-R61
E3Z-D61
E3Z-D62

OMRON E3S-C SERIES: LONG RANGE METAL BODY PHOTOELECTRIC SENSOR

Specifications:
- Supply voltage: 10-30 VDC
- Response time: CDx12 - 2 ms max.; all others - 1 ms max.
- Operation mode: Light-ON/Dark-ON, switch selectable
- Enclosure meets NEMA 1, 4X, 6P, 12, 13 and IP67
- Retroreflective type is polarized
- Pre-wired with 2 m cable

Features:
- Mutual interference protection for diffuse reflective and retroreflective types
- Mounting bracket E36-L102 supplied with horizontal sensors
- Mounting bracket E36-L103 supplied with vertical sensors
- Retroreflective sensors include E39-R1 reflector
- Through-beam sensors include both emitter and receiver

For quantities of 20 and up, call for quote

MOUSER STOCK NO.	Omron Part No.	Type	Light Source	Mounting Position	Output	Range	Price Each 1	5	10
653-E3S-CD11	E3S-CD11	Diffuse reflective	Infrared LED	Horizontal	NPN/PNP	0 - 70 cm	164.00	146.94	133.17
653-E3S-CD12	E3S-CD12	Diffuse reflective	Infrared LED	Horizontal	NPN/PNP	0 - 2 m	176.00	157.70	142.91
653-E3S-CD61	E3S-CD61	Diffuse reflective	Infrared LED	Vertical	NPN/PNP	0 - 70 cm	164.00	146.94	133.17
653-E3S-CR11	E3S-CR11	Retroreflective	Red LED	Horizontal	NPN/PNP	0 - 3 m	164.00	146.94	133.17
653-E3S-CR61	E3S-CR61	Retroreflective	Red LED	Vertical	NPN/PNP	0 - 3 m	164.00	146.95	133.17
653-E3S-CT11	E3S-CT11	Through-beam	Infrared LED	Horizontal	NPN/PNP	0 - 30 m	200.00	179.20	162.40
653-E3S-CT61	E3S-CT61	Through-beam	Infrared LED	Vertical	NPN/PNP	0 - 30 m	200.00	179.20	162.40

Accessories		Description	1	25	50
653-E39-R1	E39-R1	Reflector - supplied w/ retroreflective units,100mm-6m sensing	11.10	9.95	9.01
653-E39-L7	E39-L7	Mounting bracket for E39-R1 reflector (not supplied with reflector)	4.60	4.12	3.74
653-E39-L102	E39-L102	Mounting bracket for horizontal sensors (supplied with each sensor)	11.30	10.12	9.18
653-E39-L103	E39-L103	Mounting bracket for vertical sensors (supplied with each sensor)	7.10	6.36	5.77

OMRON E3T SERIES: ULTRA THIN, SUBMINIATURE PHOTOELECTRIC SENSOR

Specifications:
- Supply voltage: 12-24 VDC
- Response time: 1 ms max. each for on and off
- Circuit protection: Through-beam - From reversed polarity and output short-circuit; All others - reversed polarity, output short-circuit, and mutual interference
- Through-beam models sold as transmitter and receiver pair
- Light source: Red "pin-point" LED

Features:
- Utilizes Omron's "Hyper LED" technology to achieve the industry's smallest visible red beam
- Pin-point beam for detecting extremely small objects
- Retroreflective types use Omron's Free-Angle Optics (FAO) technology to detect objects as small as 2 mm in diameter
- Self-contained - ideal for compact applications
- Retroreflective models include reflector E39-R4

For quantities of 20 and up, call for quote

MOUSER STOCK NO.	Omron Part No.	Type	Output/Sensing	Shape	Range	Price Each 1	5	10
653-E3T-SL11	E3T-SL11	Convergent-beam	NPN/Light-ON	Side-view	5 - 15 mm	74.00	66.30	60.09
653-E3T-SL12	E3T-SL12	Convergent-beam	NPN/Dark-ON	Side-view	5 - 15 mm	74.00	66.30	60.09
653-E3T-SR11	E3T-SR11	Retroreflective	NPN/Light-ON	Side-view	10 - 200 mm	90.50	81.09	73.49
653-E3T-SR12	E3T-SR12	Retroreflective	NPN/Dark-ON	Side-view	10 - 200 mm	90.50	81.09	73.49
653-E3T-ST11	E3T-ST11	Through-beam	NPN/Light-ON	Side-view	1 m	96.50	86.46	78.36
653-E3T-ST12	E3T-ST12	Through-beam	NPN/Dark-ON	Side-view	1 m	96.50	86.46	78.36

Accessories		Description	1	25	50
653-E39-R4	E39-R4	Reflector - supplied with retroreflective units, 10-200mm sensing	14.80	13.26	12.02
653-E39-L116	E39-L116	Tall mounting bracket for sensor (2 required for through-beam)	6.10	5.47	4.95
653-E39-L117	E39-L117	Side mounting bracket for sensors (2 required for through-beam)	5.70	5.11	4.63
653-E39-L118	E39-L118	Protective mounting bracket for sensors (2 required for through-beam)	6.10	5.47	4.95

OMRON E3Z SERIES: PHOTOELECTRIC SENSOR WITH BUILT-IN AMPLIFIER

Specifications:
- Supply voltage: 12-24 VDC
- Response time: 1 ms max. each for on and off
- Circuit protection: Through-beam - From reversed polarity and output short-circuit; All others - reversed polarity, output short-circuit, and mutual interference
- Through-beam models sold as transmitter and receiver pair
- Connection method: 2 m cable
- Retroreflective type is polarized; reflector must be ordered separately

Features:
- Photo-IC provides long sensing distance - 15 m for through-beam, 4 m for retroreflective, and 1 m for diffuse
- Integrated photo-IC improves noise immunity to interference from inverters and other inductive loads
- Enclosure rating (IP67 - IEC60529)
- Switch selectable Light-ON/Dark-ON operation

* Sensing Distance is 3 meters with E39-R1 reflector, 4 meters with E39-R1S reflector

For quantities of 20 and up, call for quote

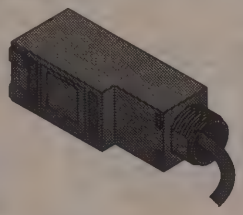
MOUSER STOCK NO.	Omron Part No.	Type	Light Source	Output	Range	Price Each 1	25	50
653-E3Z-T61	E3Z-T61	Through-beam	Infrared LED	NPN	15 m	108.00	96.77	87.70
653-E3Z-R61	E3Z-R61	Retroreflective	Red LED	NPN	100 mm to 3 or 4 m *	86.00	77.06	69.83
653-E3Z-D61	E3Z-D61	Diffuse reflective	Infrared LED	NPN	5 to 100 mm (wide view)	75.50	67.65	61.31
653-E3Z-D62	E3Z-D62	Diffuse reflective	Infrared LED	NPN	1 m	80.50	72.13	65.37

Accessories		Description	1	25	50
653-E39-R1	E39-R1	Reflector, size 40 x 60 mm	11.10	9.95	9.01
653-E39-L7	E39-L7	Mounting bracket for E39-R1 reflector	4.60	4.12	3.74
653-E39-R1S	E39-R1S	Reflector, size 40 x 60 mm	13.30	11.92	10.80
653-E39-R2	E39-R2	Reflector, size 80.8 x 60 mm	14.80	13.26	12.02
653-E39-R3	E39-R3	Reflector, size 22.5 x 38 mm	16.90	15.14	13.72
653-E39-RSA	E39-RSA	Adhesive back reflector sheet, size 35 x 10mm	6.70	6.00	5.44
653-E39-RSB	E39-RSB	Adhesive back reflector sheet, size 40 x 35mm	10.20	9.14	8.28
653-E39-L44	E39-L44	L-bracket, vertical mounting bracket	8.00	7.17	6.50
653-E39-L104	E39-L104	L-bracket, horizontal mounting bracket	4.60	4.12	3.74
653-E39-L144	E39-L144	Protected top mounting bracket, 5° angle adjustability	10.60	9.50	8.61

E3JU SERIES: GENERAL PURPOSE PHOTOELECTRIC SENSORS

Specifications:
Output: SPDT relay
Supply voltage: 24-240VAC/12-240VDC
Operation mode: Light-ON/Dark-ON, switch selectable
Indicators: Light incident (red LED); output operation (yellow LED); stability (green LED)
Timer function type: ON-delay, OFF-delay, ON/OFF delay, one-shot, delayed one-shot; switch selectable
Timer function range: .01 to 10 seconds

Features:
Universal AC/DC power supply
Sensitivity adjustment
NEMA 4X, IP67 rated
Limit switch style
300-V cable connection



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Type	Interface Protection	Sensing Distance	Timer	Price Each 1	5	10
653-E3JU-25M4-3	E3JU-25M4-3	Through-beam	Not provided	25 M (82 ft.)	No	185.00	165.76	155.40
653-E3JU-25M4T-3	E3JU-25M4T-3	Through-beam	Not provided	25 M (82 ft.)	Yes	199.00	178.30	167.16
653-E3JU-R5M4-3	E3JU-R5M4-3	Polarized retroreflective	Provided	5 M (16.4 ft.)	No	121.00	108.42	101.64
653-E3JU-R5M4T-3	E3JU-R5M4T-3	Polarized retroreflective	Provided	5 M (16.4 ft.)	Yes	131.00	117.38	110.04
653-E3JU-D1M4-3	E3JU-D1M4-3	Diffuse reflective	Provided	1 M (3.3 ft.)	No	118.00	105.73	99.12
653-E3JU-D1M4T-3	E3JU-D1M4T-3	Diffuse reflective	Provided	1 M (3.3 ft.)	Yes	131.00	117.38	110.04
653-E3JU-D2M4-3	E3JU-D2M4-3	Diffuse reflective	Provided	2 M (6.6 ft.)	No	124.00	111.10	104.16
653-E3JU-D2M4T-3	E3JU-D2M4T-3	Diffuse reflective	Provided	2 M (6.6 ft.)	Yes	150.00	134.40	126.00
Accessories		Description				1	25	50
653-E39-LU1	E39-LU1	Mounting bracket for sensor				6.70	6.00	5.44
653-E39-L7	E39-L7	Mounting bracket for E39-R1 reflector				4.60	4.12	3.74
653-E39-R1	E39-R1	Reflector, 100mm-6M sensing (Supplied w/ retroreflective type)				11.10	9.95	9.01
653-E39-R2	E39-R2	Large corner cube reflector (81 x 60 x 7mm)				14.80	13.26	12.02
653-E39-R3	E39-R3	Small corner cube reflector (38 x 22 x 11mm)				16.90	15.14	13.72
653-E39-R4	E39-R4	Small corner cube reflector (23 x 14 x 5mm)				14.80	13.26	12.02
653-E39-RSA	E39-RSA	Adhesive backed reflector (35 x 10 x 0.7mm)				6.70	6.00	5.44
653-E39-RSB	E39-RSB	Adhesive backed reflector (40 x 35 x 0.7mm)				10.20	9.14	8.28

E3X-NH SERIES: HIGH PRECISION AUTO-TUNING FIBER-OPTIC AMPLIFIER

Specifications:
Sensitivity setting: Teaching method
Response time: 1 ms max for turn-on and turn-off
Operation mode: Light ON, Dark ON, switch-selectable
Supply voltage: 12-24 VDC
Enclosure rating: IP50
Require fiber-optic cables, sold separately below. Other cables available upon request

Features:
- Employs a 16-bit processor - An Industry First
- Automatic sensitivity adjustment feature allows for stable detection of objects in frequently changing environments
- Manual fine tuning allows 13 threshold adjustments
- Ideal for detecting small objects or fine wires

Timer-function models

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Light Source	Output	Timing	Price Each 1	5	10
653-E3X-NH11	E3X-NH11	Red LED	NPN	N/A	181.00	162.18	146.97
653-E3X-NH41	E3X-NH41	Red LED	PNP	N/A	181.00	162.18	146.97
653-E3X-NH21	E3X-NH21	Red LED	NPN	40 ms off delay	181.00	162.18	146.97
653-E3X-NH51	E3X-NH51	Red LED	PNP	40 ms off delay	181.00	162.18	146.97

Fiber-Optic Cables

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Type	Sensing Distance	Min. Det. Obj. (mm)	Appearance	Features	Price Each 1	5	10
653-E32-D24	E32-D24	Diffuse	15 mm	0.03 dia.	2 mm head	Side-sensing	108.00	96.77	87.70
653-E32-D32	E32-D32	Diffuse	18 mm	0.03 dia.	2 mm head	Threaded head, coaxial	74.00	66.30	60.09
653-E32-D61	E32-D61	Diffuse	45 mm	0.03 dia.	M6	Heat-resistive	225.00	201.60	182.70
653-E32-DC200	E32-DC200	Diffuse	75 mm	0.015 dia.	M6	Compact threaded head	51.00	45.70	41.41
653-E32-DC200E	E32-DC200E	Diffuse	18 mm	0.03 dia.	M3	Thin fiber, easy to mount	62.00	55.00	50.34
653-E32-CC200	E32-CC200	Diffuse	75 mm	0.03 dia.	M6	High accuracy positioning	56.50	50.62	45.88
653-E32-TC200	E32-TC200	Through-beam	200 mm	0.2 dia.	M4	Compact threaded head	51.00	45.70	41.41
653-E32-TC200A	E32-TC200A	Through-beam	180 mm	0.2 dia.	M3	Compact threaded head	51.00	45.70	41.41
653-E32-T14L	E32-T14L	Through-beam	120 mm	0.1 dia.	3 mm head	Space-saving	85.00	76.16	69.02
653-E32-T61	E32-T61	Through-beam	150 mm	0.2 dia.	M4	Heat-resistive	281.60	252.31	228.66

E3X-A SERIES: GENERAL PURPOSE FIBER-OPTIC AMPLIFIER

Specifications:
Timing function on E3X-A21 and E3X-A51 is OFF-delay and is switch selectable
Supply voltage: 10-30 VDC
Response time: 200 µs max.
Operation mode: Light-ON, Dark-ON or SET (switch selectable)
Require fiber-optic cables, sold separately below. Other cables available upon request

Features:
- General purpose, as well as high speed and mark sensing applications
- Set-mode blinking light source aids in alignment
- Pre-wired with 2m cable
- Enclosure rating: IEC IP66 (with cover on)
- Mounting: DIN rail or on flat surface

Timer-function models

For quantities of 20 and up, call for quote.

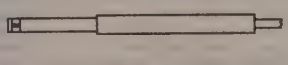
MOUSER STOCK NO.	Omron Part No.	Light Source	Output	Timing	Price Each 1	5	10
653-E3X-A11	E3X-A11	Red LED	NPN	N/A	130.90	117.29	106.29
653-E3X-A41	E3X-A41	Red LED	PNP	N/A	130.90	117.29	106.29
653-E3X-A21	E3X-A21	Red LED	NPN	0.01 - 0.1 s	145.20	130.10	117.90
653-E3X-A51	E3X-A51	Red LED	PNP	0.01 - 0.1 s	145.20	130.10	117.90

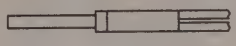
Fiber-Optic Cables

For quantities of 20 and up, call for quote.

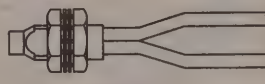
MOUSER STOCK NO.	Omron Part No.	Type	Sensing Distance	Min. Det. Obj. (mm)	Appearance	Features	Price Each 1	5	10
653-E32-D24	E32-D24	Diffuse	15 mm	0.012 dia.	2 mm head	Side-sensing	108.00	96.77	87.70
653-E32-D32	E32-D32	Diffuse	18 mm	0.03 dia.	2 mm head	Threaded head, coaxial	74.00	66.30	60.09
653-E32-D61	E32-D61	Diffuse	45 mm	0.012 dia.	M6	Heat-resistive	225.00	201.60	182.70
653-E32-DC200	E32-DC200	Diffuse	150 mm	0.012 dia.	M6	Compact threaded head	51.00	45.70	41.41
653-E32-DC200E	E32-DC200E	Diffuse	36 mm	0.012 dia.	M3	Thin fiber, easy to mount	62.00	55.00	50.34
653-E32-CC200	E32-CC200	Diffuse	150 mm	0.012 dia.	M6	High accuracy positioning	56.50	50.62	45.88
653-E32-TC200	E32-TC200	Through-beam	200 mm	0.2 dia.	M4	Compact threaded head	51.00	45.70	41.41
653-E32-TC200A	E32-TC200A	Through-beam	360 mm	0.04 dia.	M3	Compact threaded head	51.00	45.70	41.41
653-E32-T14L	E32-T14L	Through-beam	240 mm	0.08 dia.	3 mm head	Space-saving	85.00	76.16	69.02
653-E32-T61	E32-T61	Through-beam	400 mm	0.4 dia.	M4	Heat-resistive	281.60	252.31	228.66

Fiber-Optic Cables

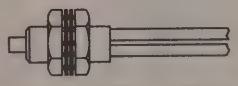

E32-D24

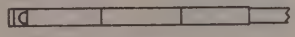

E32-D32

E32-D61


E32-DC200

E32-DC200E


E32-CC200 / E32-TC200 / E32TC200A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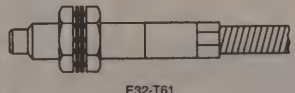

E32-T61

Component Sensors

OMRON D6A SERIES CLOGGED AIR FILTER SENSOR

Specifications:
- Method of detection: Wind velocity
- Wind velocity range: 0.5 to 1.5m/sec
- Current consumption: 60mA or less
- Max. output voltage: 5.2 V or less

Features:
- Detect clogged fan filters to prevent overheating of equipment
- Wide operating range of 0° to 45° C (do not freeze)
- Low current consumption

Applications:
- Computer servers, routers, and network devices
- Cash registers
- Uninterruptible power supplies

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Operating Voltage	Wind Velocity Range	Output Range	Price Each 1	Price Each 5	Price Each 10
653-D6A-N	D6A-N	A	12 VDC	0.5 to 1.5m/sec	0.2 - 5 VDC @ 1.5m/sec	55.00	53.13	51.21

OMRON D6B SERIES: SURFACE MOUNTING MICRO TILT SENSOR

Specifications:
- Detect tilting over a range of 45-75° in right-and-left inclination.
- Return Angle: 60-30°
- Output Rating: 0.5VDC
- The D6B features two switched outputs, left and right, which both remain high (Vmax 0.5V) when the device is in a neutral position. Once the device is tilted beyond operational angle of 35 to 65°, the relevant output switches to a low (0.5V) output.

Applications:
- Ideal for applications such as PDAs, digital cameras, cell phones, and test equipment.
- Well-suited for use in head-tilt control devices for people with diminished hand mobility.
- May also be used to replace mercury switches in game machines, such as pinball machines and portable space heaters.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Operating Voltage	Operation Angle	Price Each 1	Price Each 10	Price Each 25	Price Each 50	Reel Quantity	Reel Qty Price Each
653-D6B-2	D6B-2	B	2.7-3.3 VDC	45-75°	9.75	8.47	7.00	6.30	2000	3.31

OMRON D6F SERIES: MEMS FLOW SENSORS

NEW! TECHNOLOGY

World's Smallest Flow Sensor Elements!
The exceptional performance of the D6F is achieved using the world's smallest, supersensitive flow sensor elements with an area of just 1.5mm sq., achieving a size of just 1/7th that of other flow sensors in the same class. The D6F is suitable for gas flows of up to 10m/s from any direction.

Specifications:
- Dielectric strength: 500VAC between terminals and base
- Operating temperature: -10 to 60°C

Features:
- Small size
- Fast response
- Applicable to air, non-corrosive gas, LNG ideal for looking at low pressure medical gases, boiler emissions, and HVAC system airflow

Applications:
- Medical equipment
- Combustion control
- Analysis instruments

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Range	Applicable Fluid	Case Material	Power Supply (Vcc Max)	Output Voltage (Vout Max)	Price Each 1	Price Each 2	Price Each 5
653-D6F-01A1-110	D6F-01A1-110	C	0-1L/min.	Air	PPS	26.4 VDC	6 VDC	180.00	162.00	159.60
653-D6F-02A1-110	D6F-02A1-110	C	0-2L/min.	Air	PPS	26.4 VDC	6 VDC	180.00	162.00	159.60
653-D6F-05N2-000	D6F-05N2-000	D	0-5L/min.	Liquid Natural Gas	Aluminum	26.4 VDC	6 VDC	270.00	243.00	229.50
653-D6F-10A5-000	D6F-10A5-000	E	0-10L/min.	Air	PPS	26.4 VDC	6 VDC	270.00	243.00	229.50
653-D6F-20A5-000	D6F-20A5-000	E	0-20L/min.	Air	PPS	26.4 VDC	6 VDC	270.00	243.00	229.50
653-D6F-50A5-000	D6F-50A5-000	E	0-50L/min.	Air	PPS	26.4 VDC	6 VDC	270.00	243.00	229.50
653-D6F-CABLE1	D6F-CABLE1	--	Cable for MEMS flow sensor					9.40	8.45	8.00
Clog Sensor										
653-D6F-W01A1	D6F-W01A1	F	1 meter/sec	Air	PPS	10-26.4VDC	1-5 V non-linear	90.00	85.00	80.00
653-D6F-W04A1	D6F-W04A1	F	4 meters/sec	Air	PPS	10-26.4VDC	1-5 V non-linear	90.00	85.00	80.00
653-D6F-WCABLE	D6F-WCABLE	--	Cable for D6F clog sensor					4.28	3.85	3.63

OMRON D7 SERIES VIBRATION SENSORS

Features:
- Quick detection of movements that could cause damage to equipment
- D7A/D7E - Auto-resettable - no manual setting required
- D7H - Stainless steel diaphragm; manually resettable

Applications:
- Industrial equipment
- Vending machines
- Any system requiring safety shutoff during a period of vibration or tilting

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Detection Sensitivity	Contact Form	Description	Contact Rating	Price Each 1	Price Each 5	Price Each 10
653-D7A-1	D7A-1	G	90-170gal	SPST-NO	Horizontal PCB mount	5mA@ 3VDC - 1mA @ 3VDC	29.49	26.32	24.88
653-D7A-2	D7A-2	G	90-170gal	SPST-NO	Vertical PCB mount	5mA@ 3VDC - 1mA @ 3VDC	29.49	26.32	24.88
653-D7A-3	D7A-3	G	90-170gal	SPST-NO	Chassis mount	5mA@ 3VDC - 1mA @ 3VDC	31.32	27.96	26.42
653-D7E-1	D7E-1	H	130-200gal	SPST-NC	Sealed vibration sensor	0.1mA @ 5VDC - 100mA @ 30VDC	8.61	7.69	7.26
653-D7E-2	D7E-2	H	100-170gal	SPST-NC	Sealed vibration sensor	0.1mA @ 5VDC - 100mA @ 30VDC	4.82	4.30	4.06
653-D7E-3	D7E-3	H	- - -	SPST-NC	Tilt switch, 50-80° detection angle	0.1mA @ 5VDC - 100mA @ 30VDC	8.61	7.69	7.26
653-D7H-A1	D7H-A1	I	100-170gal	SPDT	Enclosed vibration detection sensor	10A @ 125/250 VAC	207.04	184.86	174.69
653-D7H-B1	D7H-B1	J	100-170gal	SPDT	Open vibration detection sensor	10A @ 125/250 VAC	63.51	56.71	53.59
653-D7H-B2	D7H-B2	J	100-170gal	SPDT	Open vibration detection sensor	10A @ 125/250 VAC	63.51	57.71	53.59

ALPS SPSA VIBRATION SENSOR

Specifications:
- Ratings: 1mA @ 5VDC to 100mA @ 30VDC
- Operating life: 5000 cycles

Features:
- Resistant to corrosive gas and humidity
- Sliding contact with high reliability

Applications:
- Combustion equipment and aquarium heaters
- Detection of tampering

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ALPS Part No.	Fig.	Detection Sensitivity	Contact Form	Vibration Specification	Price Each 1	Price Each 25	Price Each 50
688-SPSA100100	SPSA100100	K	130 - 200 gal (cm/s2)	SPST-NC	10-55 Hz, 1.5mm total amplitude	7.48	5.24	4.49

ALPS SPSF VIBRATION/TILT SENSOR

Specifications:
- Reflow solderable
- Packaged on tape and reel

Features:
- Detects tilt movement in 4 directions
- Can be mounted on either side of the board

Applications:
- Detection of vertical/horizontal in handheld devices
- Detection of posture and movement of toy or robot

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ALPS Part No.	Fig.	Detection Angle	Contact Rating	Dimensions (LxWxH)	Price Each 1	Price Each 25	Price Each 50
688-SPSF100100	SPSF100100	L	50°± 20°	1mA @ 5VDC	6.2mm X 6.2mm X 3.4mm	2.92	2.04	1.75

NKK SWITCHES DS SERIES - CONTACTLESS TILT SWITCH

NEW FROM SUPPLIER

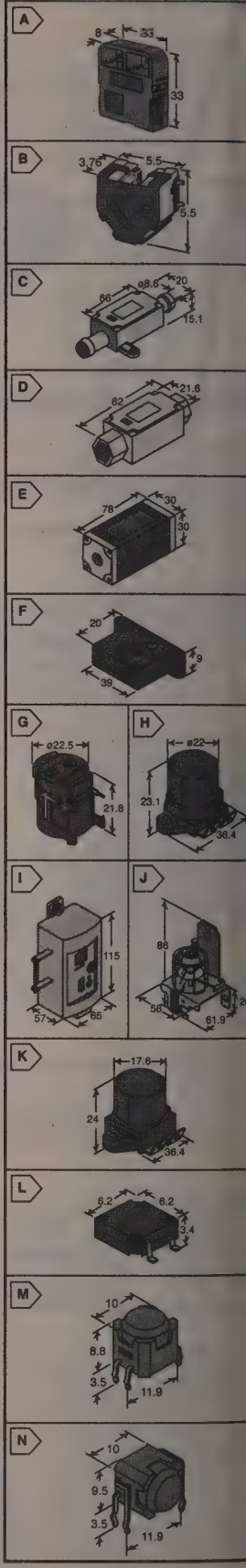
Specifications:
- Operating Angle: ±30° to ±60°
- Return Angle: 10° min.

Features:
- Photo interrupter ensures high reliability
- Sealed Construction
- UL94V-0

For quantities of 100 and up, call for quote.

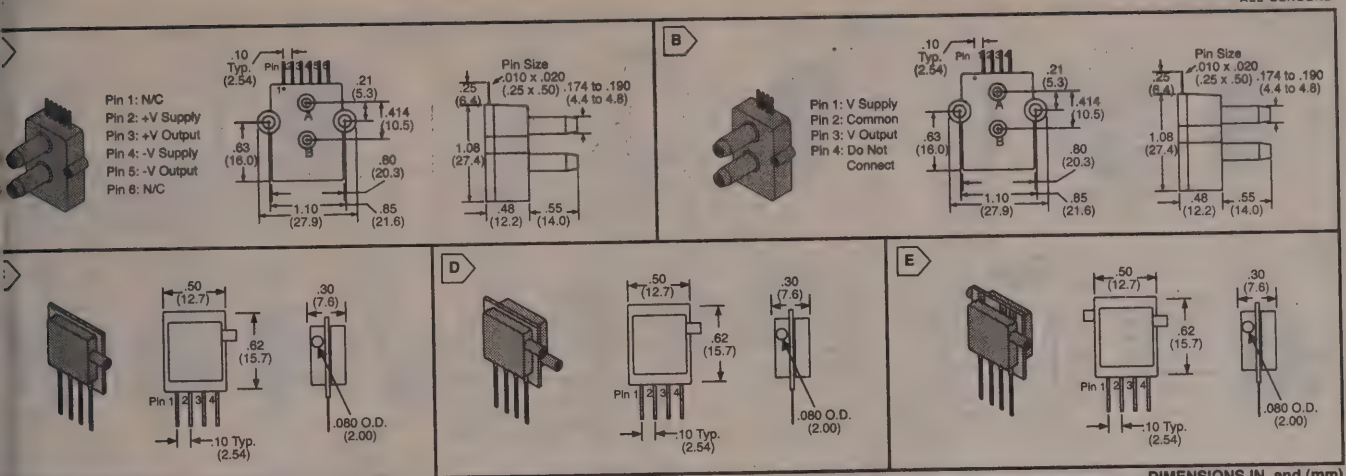
MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each 1	Price Each 25	Price Each 50
633-DS-BA1P	DSBA1P	M	On-Off Status, NC, Straight PC	4.75	4.31	3.92
633-DS-BA1H	DSBA1H	N	On-Off Status, NC, Right Angle PC	4.75	4.31	3.92

DIMENSIONS (mm)



Sensors

ALL SENSORS Silicon Pressure Sensors



DIMENSIONS IN. and (mm)

Sensors, Inc. pressure sensors are based on piezo-resistive semiconductor technology, broadly referred to as MEMS (micro electrical mechanical systems). Our products, both analog and digital, based upon a proprietary technology to reduce errors. Output changes due to temperature, warm-up stability, long-term stability, and position sensitivity are all significantly reduced when compared to conventional compensation methods. These sensors are intended for use with non-corrosive, non-ionic working fluids, such as air and dry gases. Packaging is designed to be mounted to a printed-circuit board. highly linear pressure sensors are typically used as components in high accuracy instrumentation for markets such as: medical, HVAC, mine safety, off-road vehicles, chemical analysis, and environmental.

AMPLIFIED LOW PRESSURE SERIES

ecifications:
ompensated temperature range: 5 to 50° C
perating temperature: -25° to +85° C
ommon-mode pressure: -10 to +10 psig
upply voltage: +4.5 to +5.5 VDC
atiometric 4V output - output is ratiometric to supply voltage

tures:
alibrated Zero and Span
ased on proprietary technology to reduce all output
fset or common mode errors.
tilizes silicon, MEMs technology to provide very
near output to measured pressure

plications:
VAC • Medical instrumentation • Environmental controls

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	All Sensors Part Number	Fig.	Operating Pressure	Pressure Type	Nominal Output Span	Price Each 1	5	10
683-1MBARD4V	1 MBAR-D-4V	A	±1 mbar	Differential	±2.0 Volts	98.00	88.20	68.60
683-1INCHD4V	1 INCH-D-4V	A	±1" H2O	Differential	±2.0 Volts	88.00	79.20	61.60
683-1INCHG4V	1 INCH-G-4V	A	0-1" H2O	Gauge	±4.0 Volts	98.00	88.20	68.60
683-5INCHD4V	5 INCH-D-4V	A	±5" H2O	Differential	±2.0 Volts	88.00	79.20	61.60
683-5INCHG4V	5 INCH-G-4V	A	0-5" H2O	Gauge	±4.0 Volts	88.00	79.20	61.60
683-10INCHD4V	10 INCH-D-4V	A	±10" H2O	Differential	±2.0 Volts	84.00	75.60	58.80
683-10INCHG4V	10 INCH-G-4V	A	0-10" H2O	Gauge	±4.0 Volts	84.00	75.60	58.80
683-20INCHD4V	20 INCH-D-4V	A	±20" H2O	Differential	±2.0 Volts	84.00	75.60	58.80
683-20INCHG4V	20 INCH-G-4V	A	0-20" H2O	Gauge	±4.0 Volts	84.00	75.60	58.80
683-30INCHD4V	30 INCH-D-4V	A	±30" H2O	Differential	±2.0 Volts	84.00	75.60	58.80
683-30INCHG4V	30 INCH-G-4V	A	0-30" H2O	Gauge	±4.0 Volts	84.00	75.60	58.80

AMPLIFIED MEDIUM PRESSURE SENSORS

ecifications:
ompensated temperature range: 5 to 50° C • Operating temperature: -25° to +85° C • Common-mode pressure: 50 psig • Supply voltage: +4.5 to +5.5 VDC • Ratiometric 4V output - output is ratiometric to supply voltage

tures:
alibrated Zero and Span
ased on proprietary technology to reduce all output
fset or common mode errors.
tilizes silicon, MEMs technology to provide very
near output to measured pressure

plications:
VAC • Medical instrumentation • Environmental controls

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	All Sensors Part Number	Fig.	Operating Pressure	Pressure Type	Nominal Output Span	Price Each 1	5	10
683-0.3PSID4V	0.3PSI-D-4V	A	±0.3 psid	Differential	±2.0 Volts	78.00	70.20	54.60
683-0.3PSIG4V	0.3PSI-G-4V	A	0-0.3 psig	Gauge	±4.0 Volts	78.00	70.20	54.60
683-1PSID4V	1PSI-D-4V	A	±1 psid	Differential	±2.0 Volts	78.00	70.20	54.60
683-1PSIG4V	1PSI-G-4V	A	0-1 psig	Gauge	±4.0 Volts	78.00	70.20	54.60
683-15PSIA4V	15PSI-A-4V	A	0-15 psia	Absolute	±4.0 Volts	76.00	68.40	53.20
683-15PSIG4V	15PSI-G-4V	A	0-15 psig	Gauge	±4.0 Volts	76.00	68.40	53.20

MILLIVOLT OUTPUT LOW PRESSURE SENSORS

ecifications:
ompensated temperature range: 0 to 50° C • Operating temperature: -25° to +85° C • Common-mode pressure: -10 to +10 psig • Supply voltage: 16 VDC max. • Ratiometric output

tures:
alibrated Zero and Span
ased on proprietary technology to reduce all output
fset or common mode errors.
tilizes silicon, MEMs technology to provide very
near output to measured pressure

plications:
VAC • Medical instrumentation • Environmental controls

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	All Sensors Part Number	Fig.	Operating Pressure	Pressure Type	Nominal Output Span	Price Each 1	5	10
683-1INCHDMV	1INCH-D-MV	B	0-1" H2O	Differential	20 mV	65.00	58.50	45.50
683-5INCHDMV	5INCH-D-MV	B	0-5" H2O	Differential	20 mV	62.00	55.80	43.40
683-10INCHDMV	10INCH-D-MV	B	0-10" H2O	Differential	20 mV	62.00	55.80	43.40
683-20INCHDMV	20INCH-D-MV	B	0-20" H2O	Differential	20 mV	62.00	55.80	43.40
683-30INCHDMV	30INCH-D-MV	B	0-30" H2O	Differential	20 mV	62.00	55.80	43.40

MINIATURE MILLIVOLT OUTPUT LOW PRESSURE SENSORS

ecifications:
Compensated temperature range: 0 to 50° C
Operating temperature: -25° to +85° C
Common-mode pressure: 10 psig
Supply voltage: 16 VDC max.
Ratiometric output

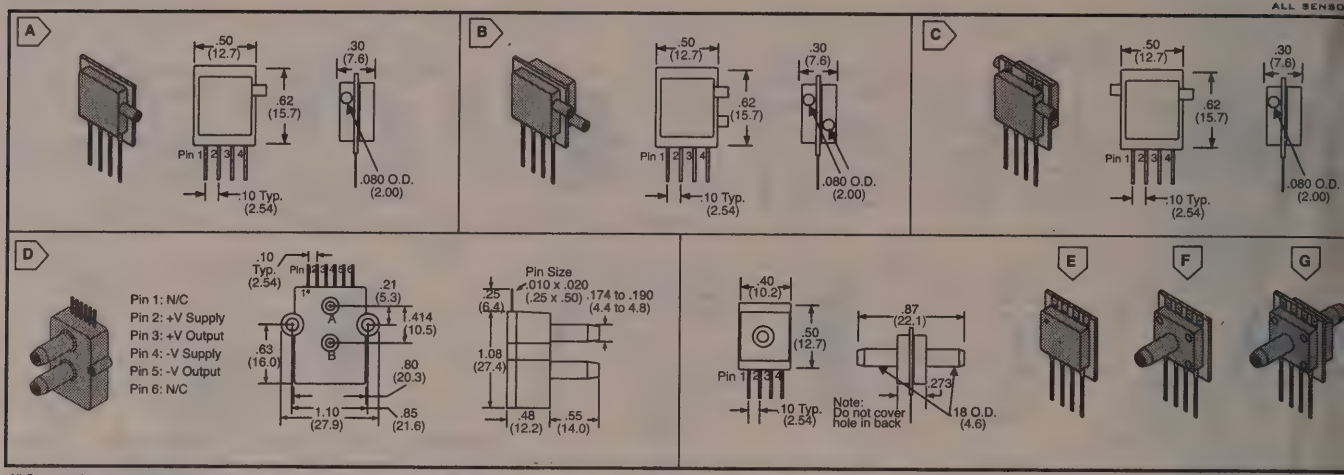
tures:
Calibrated Zero and Span
Based on proprietary technology to reduce all output
Offset or common mode errors.
Utilizes silicon, MEMs technology to provide very
linear output to measured pressure

plications:
HVAC
Medical instrumentation
Environmental controls

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	All Sensors Part Number	Fig.	Operating Pressure	Pressure Type	Nominal Output Span	Price Each 1	5	10
683-2INCHGMVMINI	2INCH-G-MV-MINI	C	0-2" H2O	Gauge	10 mV	58.00	52.20	40.60
683-2INCHD1MVMINI	2INCH-D1-MV-MINI	D	0-2" H2O	Differential	10 mV	59.00	53.10	41.30
683-2INCHD2MVMINI	2INCH-D2-MV-MINI	E	0-2" H2O	Differential	10 mV	59.00	53.10	41.30
683-5INCHGMVMINI	5INCH-G-MV-MINI	C	0-5" H2O	Gauge	20 mV	54.00	48.60	37.80
683-5INCHD1MVMINI	5INCH-D1-MV-MINI	D	0-5" H2O	Differential	20 mV	55.00	49.50	38.50
683-5INCHD2MVMINI	5INCH-D2-MV-MINI	E	0-5" H2O	Differential	20 mV	55.00	49.50	38.50
683-10INCHGMVMINI	10INCH-G-MV-MINI	C	0-10" H2O	Gauge	20 mV	54.00	48.60	37.80
683-10INCHD1MVMINI	10INCH-D1-MV-MINI	D	0-10" H2O	Differential	20 mV	55.00	49.50	38.50
683-10INCHD2MVMINI	10INCH-D2-MV-MINI	E	0-10" H2O	Differential	20 mV	55.00	49.50	38.50
683-20INCHGMVMINI	20INCH-G-MV-MINI	C	0-20" H2O	Gauge	20 mV	54.00	48.60	37.80
683-20INCHD1MVMINI	20INCH-D1-MV-MINI	D	0-20" H2O	Differential	20 mV	55.00	49.50	38.50
683-20INCHD2MVMINI	20INCH-D2-MV-MINI	E	0-20" H2O	Differential	20 mV	55.00	49.50	38.50
683-30INCHGMVMINI	30INCH-G-MV-MINI	C	0-30" H2O	Gauge	20 mV	54.00	48.60	37.80
683-30INCHD1MVMINI	30INCH-D1-MV-MINI	D	0-30" H2O	Differential	20 mV	55.00	49.50	38.50
683-30INCHD2MVMINI	30INCH-D2-MV-MINI	E	0-30" H2O	Differential	20 mV	55.00	49.50	38.50

ALL SENSORS Silicon Pressure Sensors



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DIMENSIONS IN. and (m

Common Specifications:
- Compensated temperature range: 0 to 70° C
- Operating temperature: -25° to +85° C

Common Features:
- Utilizes silicon, MEMs technology to provide very linear output to measured pressure

Common Applications:
- HVAC • Medical instrumentation
- Environmental controls

0.5% LINEARITY MINIATURE BASIC PRESSURE SENSORS

Specifications:
- Common-mode pressure: 5 psig
- Supply voltage: 6 VDC max.

Features:
- Offset compensated
- Ratiometric output

For quantities of 25 and up, call for quo

MOUSER STOCK NO.	All Sensors Part Number	Fig.	Operating Pressure	Pressure Type	Nominal Output Span	Price Each 1	5	10
683-1INCHGBASIC	1INCH-G-BASIC	A	0-1" H2O	Gauge	7.0 mV	34.00	30.60	23.80
683-1INCHD1BASIC	1INCH-D1-BASIC	B	0-1" H2O	Differential	7.0 mV	36.00	32.40	25.20
683-1INCHD2BASIC	1INCH-D2-BASIC	C	0-1" H2O	Differential	7.0 mV	36.00	32.40	25.20
683-5INCHGBASIC	5INCH-G-BASIC	A	0-5" H2O	Gauge	22.5 mV	32.00	28.80	22.40
683-5INCHD1BASIC	5INCH-D1-BASIC	B	0-5" H2O	Differential	22.5 mV	34.00	30.60	23.80
683-5INCHD2BASIC	5INCH-D2-BASIC	C	0-5" H2O	Differential	22.5 mV	34.00	30.60	23.80
683-10INCHGBASIC	10INCH-G-BASIC	A	0-10" H2O	Gauge	30 mV	32.00	28.80	22.40
683-10INCHD1BASIC	10INCH-D1-BASIC	B	0-10" H2O	Differential	30 mV	34.00	30.60	23.80
683-10INCHD2BASIC	10INCH-D2-BASIC	C	0-10" H2O	Differential	30 mV	34.00	30.60	23.80
683-20INCHGBASIC	20INCH-G-BASIC	A	0-20" H2O	Gauge	30 mV	32.00	28.80	22.40
683-20INCHD1BASIC	20INCH-D1-BASIC	B	0-20" H2O	Differential	30 mV	34.00	30.60	23.80
683-20INCHD2BASIC	20INCH-D2-BASIC	C	0-20" H2O	Differential	30 mV	34.00	30.60	23.80
683-30INCHGBASIC	30INCH-G-BASIC	A	0-30" H2O	Gauge	30 mV	32.00	28.80	22.40
683-30INCHD1BASIC	30INCH-D1-BASIC	B	0-30" H2O	Differential	30 mV	34.00	30.60	23.80
683-30INCHD2BASIC	30INCH-D2-BASIC	C	0-30" H2O	Differential	30 mV	34.00	30.60	23.80

0.25% LINEARITY MILLIVOLT OUTPUT MEDIUM PRESSURE SENSORS

Specifications:
- Common-mode pressure: 50 psig • Supply voltage: 16 VDC max. • Ratiometric output

Features:
- Calibrated Zero and Span
- Based on proprietary technology to reduce all output offset or common mode errors.

For quantities of 25 and up, call for quo

683-0.3PSIDPRIMEMV	0.3PSI-D-PRIME-MV	D	0-0.3 psid	Differential	20 mV	59.00	53.10	41.30
683-1PSIDPRIMEMV	1PSI-D-PRIME-MV	D	0-1 psid	Differential	18 mV	59.00	53.10	41.30
683-15PSIAPRIMEMV	15PSI-A-PRIME-MV	D	0-15 psia	Absolute	60 mV	54.00	48.60	37.80

0.5% LINEARITY MILLIVOLT OUTPUT MEDIUM PRESSURE SENSORS

Specifications:
- Common-mode pressure: -10 to +10 psig
- Supply voltage: 16 VDC max. • Ratiometric output

Features:
- Calibrated Zero and Span
- Based on proprietary technology to reduce all output offset or common mode errors.

For quantities of 25 and up, call for quo

683-0.3PSIDHGMV	0.3PSI-D-HGRADE-MV	D	0-0.3 psid	Differential	20 mV	36.00	32.40	25.20
683-1PSIDHGMV	1PSI-D-HGRADE-MV	D	0-1 psid	Differential	18 mV	32.00	28.80	22.40
683-5PSIDHGMV	5PSI-D-HGRADE-MV	D	0-5 psid	Differential	60 mV	32.00	28.80	22.40
683-15PSIAHGMV	15PSI-A-HGRADE-MV	D	0-15 psia	Absolute	60 mV	28.00	25.20	19.60
683-15PSIDHGMV	15PSI-D-HGRADE-MV	D	0-15 psid	Differential	90 mV	30.00	27.00	21.00

1% LINEARITY MILLIVOLT OUTPUT MEDIUM PRESSURE SENSORS

Specifications:
- Common-mode pressure: -10 to +10 psig • Supply voltage: 16 VDC max. • Ratiometric output

Features:
- Calibrated Zero and Span
- Based on proprietary technology to reduce all output offset or common mode errors.

For quantities of 25 and up, call for quo

683-0.3PSIDCGMV	0.3PSI-D-CGRADE-MV	D	0-0.3 psid	Differential	20 mV	32.00	28.80	22.40
683-1PSIDCGMV	1PSI-D-CGRADE-MV	D	0-1 psid	Differential	18 mV	32.00	28.80	22.40
683-15PSIACGMV	15PSI-A-CGRADE-MV	D	0-15 psia	Absolute	60 mV	26.00	23.40	18.20
683-4INCHDCGMV	4INCH-D-CGRADE-MV	D	0-4" H2O	Differential	40 mV	38.00	34.20	26.60

0.5% LINEARITY MINIATURE MILLIVOLT OUTPUT MEDIUM PRESSURE SENSORS

Specifications:
- Common-mode pressure: -10 to +10 psig
- Supply voltage: 16 VDC max.
- Ratiometric output

Features:
- Calibrated Zero and Span
- Based on proprietary technology to reduce all output offset or common mode errors.

For quantities of 25 and up, call for quo

683-0.3PSIGHGMINI	0.3PSI-G-HGRADE-MINI	E	0-0.3 psig	Gauge	20 mV	36.00	32.40	25.20
683-0.3PSIGFHGMINI	0.3PSI-GF-HGRADE-MINI	F	0-0.3 psig	Gauge	20 mV	36.00	32.40	25.20
683-0.3PSIDHGMINI	0.3PSI-D-HGRADE-MINI	G	0-0.3 psid	Differential	20 mV	38.00	34.20	26.60
683-1PSIGHGMINI	1PSI-G-HGRADE-MINI	E	0-1 psig	Gauge	18 mV	32.00	28.80	22.40
683-1PSIGFHGMINI	1PSI-GF-HGRADE-MINI	F	0-1 psig	Gauge	18 mV	32.00	28.80	22.40
683-1PSIDHGMINI	1PSI-D-HGRADE-MINI	G	0-1 psid	Differential	18 mV	34.00	30.60	23.80
683-5PSIGHGMINI	5PSI-G-HGRADE-MINI	E	0-5 psig	Gauge	60 mV	32.00	28.80	22.40
683-5PSIGFHGMINI	5PSI-GF-HGRADE-MINI	F	0-5 psig	Gauge	60 mV	32.00	28.80	22.40
683-5PSIDHGMINI	5PSI-D-HGRADE-MINI	G	0-5 psid	Differential	60 mV	34.00	30.60	23.80
683-15PSIAHGMINI	15PSI-A-HGRADE-MINI	E	0-15 psia	Absolute	90 mV	28.00	25.20	19.60
683-15PSIAFHGMINI	15PSI-AF-HGRADE-MINI	F	0-15 psia	Absolute	90 mV	28.00	25.20	19.60
683-4INCHGHGMINI	4INCH-G-HGRADE-MINI	E	0-4" H2O	Gauge	25 mV	38.00	34.20	26.60
683-4INCHGFHGMINI	4INCH-GF-HGRADE-MINI	F	0-4" H2O	Gauge	25 mV	38.00	34.20	26.60
683-4INCHDHGMINI	4INCH-D-HGRADE-MINI	G	0-4" H2O	Differential	25 mV	40.00	36.00	28.00
683-10INCHGHGMINI	10INCH-G-HGRADE-MINI	E	0-10" H2O	Gauge	20 mV	36.00	32.40	25.20
683-10INCHGFHGMINI	10INCH-GF-HGRADE-MINI	F	0-10" H2O	Gauge	20 mV	36.00	32.40	25.20
683-10INCHDHGMINI	10INCH-D-HGRADE-MINI	G	0-10" H2O	Differential	20 mV	38.00	34.20	26.60

msisensors innovation • performance • reliability

ODEL 1451: SURFACE MOUNT PRESSURE SENSOR

tures:
- 25% Non-linearity Accuracy
- lid State Reliability
- 0 mV Output
- w Power
- w Cost

Applications:
- Altitude Measurement
- Barometric Pressure
- Medical Instrumentation
- Consumer Appliances

rface Mount w/ tube pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each 1	10	25
-1451-005G-T	1451-005G-T	A	0-5psig	Gage	15.00	13.00	11.40
-1451-015G-T	1451-015G-T	A	0-15psig	Gage	15.00	13.00	11.40
-1451-015A-T	1451-015A-T	A	0-15psia	Absolute	15.00	13.00	11.40
-1451-030A-T	1451-030A-T	A	0-30psia	Absolute	15.00	13.00	11.40
-1451-030G-T	1451-030G-T	A	0-30psig	Gage	15.00	13.00	11.40
-1451-100G-T	1451-100G-T	A	0-100psig	Gage	15.00	13.00	11.40
-1451-100A-T	1451-100A-T	A	0-100psia	Absolute	15.00	13.00	11.40

DEL 1210: PCB MOUNT PRESSURE SENSOR

tures :
- al-In-Line Package
- C to +50°C Compensated
- mperature Range
- .1% Non-linearity Accuracy
- 0.3% 0-1psi)
- 0-100 mV Output
- 1.0% Interchangeable Span (provided by gain set resistor)
- Solid State Reliability
- Low Power

Applications:
- Process Control
- Medical Instrumentation
- HVAC
- Barometric Pressure
- Air Flow Management
- Avionics

ard mount w/ long pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each 1	10	25
-1210A-001D-3L	1210A-001D-3L	B	0-1psid	Differential	35.20	32.00	28.50
-1210A-002D-3L	1210A-002D-3L	B	0-2psid	Differential	27.50	25.00	22.40
-1210A-005D-3L	1210A-005D-3L	B	0-5psid	Differential	27.50	25.00	22.40
-1210A-005A-3L	1210A-005A-3L	B	0-5psia	Absolute	27.50	25.00	22.40
-1210A-015D-3L	1210A-015D-3L	B	0-15psid	Differential	27.50	25.00	22.40
-1210A-015A-3L	1210A-015A-3L	B	0-15psia	Absolute	27.50	25.00	22.40
-1210A-030D-3L	1210A-030D-3L	B	0-30psid	Differential	27.50	25.00	22.40
-1210A-030A-3L	1210A-030A-3L	B	0-30psia	Absolute	27.50	25.00	22.40
-1210A-100D-3L	1210A-100D-3L	B	0-100psid	Differential	27.50	25.00	22.40
-1210A-100A-3L	1210A-100A-3L	B	0-100psia	Absolute	27.50	25.00	22.40

ODEL 1230: ULTRASTABLE PRESSURE SENSOR

tures :
- ual-In-Line Package
- 0°C to +85°C Compensated
- mperature Range
- .1% Non-linearity Accuracy
- 0-100 mV Output
- 1.0% Interchangeable Span (provided by gain set resistor)
- Solid State Reliability
- Low Power

Applications:
- Medical Instrumentation
- Calibration
- Process Control
- Factory Automation
- Air Flow Management
- Leak Detection

tra-stable board mount w/ long pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each 1	10	25
24-1230-015D-3L	1230-015D-3L	B	0-15psid	Differential	35.20	32.00	28.50
24-1230-015A-3L	1230-015A-3L	B	0-15psia	Absolute	35.20	32.00	28.50
24-1230-030D-3L	1230-030D-3L	B	0-30psid	Differential	35.20	32.00	28.50
24-1230-030A-3L	1230-030A-3L	B	0-30psia	Absolute	35.20	32.00	28.50
24-1230-100D-3L	1230-100D-3L	B	0-100psid	Differential	35.20	32.00	28.50
24-1230-100A-3L	1230-100A-3L	B	0-100psia	Absolute	35.20	32.00	28.50

ODEL 13: LOW/MEDIUM PRESSURE SENSORS

atures :
- O-8 Package
- °C to +50°C Compensated
- mperature Range
- 0.1% Non-linearity Accuracy
- 0.3% 0-1psi)
- 0-100 mV Output
- Solid State Reliability
- Low Power

Applications:
- Medical Instrumentation
- HVAC
- Process Control
- Air Flow Management

oard mount w/ top pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each 1	10	25
24-13A-001G	13A-001G	C	0-1psig	Gage	52.80	48.00	41.60
24-13A-002G	13A-002G	C	0-2psig	Gage	41.25	37.50	33.60
24-13A-005G	13A-005G	C	0-5psig	Gage	41.25	37.50	33.60
24-13A-015G	13A-015G	C	0-15psig	Gage	41.25	37.50	33.60
24-13A-100G	13A-100G	C	0-100psig	Gage	41.25	37.50	33.60

ODEL 23: LOW/MEDIUM PRESSURE SENSORS

atures :
- O-8 Package
- °C to +50°C Compensated
- mperature Range
- 0.1% Non-linearity Accuracy
- 0.3% 0-1psi)
- 0-100 mV Output
- Solid State Reliability
- Low Power

Applications:
- Medical Instrumentation
- HVAC
- Process Control
- Vacuum Measurement
- Air Flow Management

oard mount w/ bottom pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each 1	10	25
24-23A-001G	23A-001G	D	0-1psig	Gage	52.80	48.00	41.60
24-23A-002G	23A-002G	D	0-2psig	Gage	41.25	37.50	33.60
24-23A-005G	23A-005G	D	0-5psig	Gage	41.25	37.50	33.60
24-23A-015G	23A-015G	D	0-15psig	Gage	41.25	37.50	33.60
24-23A-100G	23A-100G	D	0-100psig	Gage	41.25	37.50	33.60

DIMENSIONS (IN)

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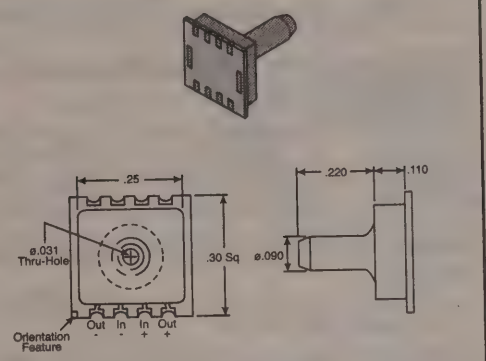

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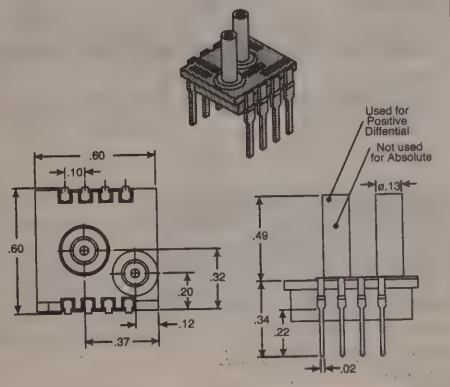

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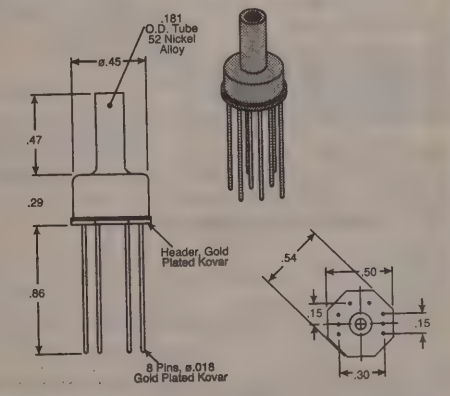

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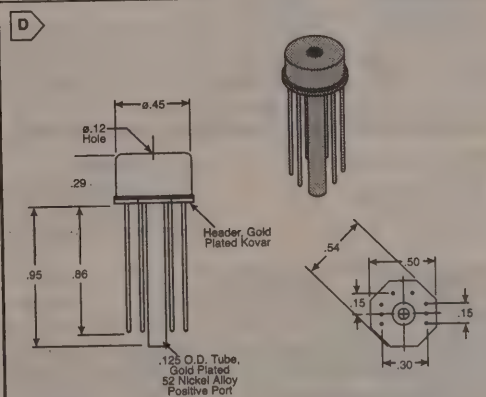

MSI Sensors

Sensors

MODEL 33: LOW/MEDIUM PRESSURE SENSORS

Features:
- TO-8 Package
- 0°C to +50°C Compensated Temperature Range
- ±0.1% Non-linearity Accuracy (±0.3% 0-1psi)
- 0-100 mV Output
- Solid State Reliability
- Low Power

Applications:
- Medical Instrumentation
- HVAC
- Process Control
- Air Flow Management

Board mount w/ differential pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each 1	10	25
824-33A-001D	33A-001D	A	0-1psid	Differential	52.80	48.00	41.60
824-33A-002D	33A-002D	A	0-2psid	Differential	41.25	37.50	33.60
824-33A-005D	33A-005D	A	0-5psid	Differential	41.25	37.50	33.60
824-33A-015D	33A-015D	A	0-15psid	Differential	41.25	37.50	33.60
824-33A-100D	33A-100D	A	0-100psid	Differential	41.25	37.50	33.60

MODEL 43: LOW/MEDIUM PRESSURE SENSORS

Features :
- TO-8 Package
- 0°C to +50°C Compensated Temperature Range
- ±0.1% Non-linearity Accuracy (±0.3% 0-1psi)
- 0-100 mV Output
- Solid State Reliability
- Low Power

Applications:
- Medical Instrumentation
- HVAC
- Process Control
- Air Flow Management

Board mount w/ top pressure port absolute, mV output

For quantities of 50 and up, call for quote.

824-43A-005A	43A-005A	B	0-5psia	Absolute	52.80	48.00	41.60
824-43A-015A	43A-015A	B	0-15psia	Absolute	41.25	37.50	33.60
824-43A-100A	43A-100A	B	0-100psia	Absolute	41.25	37.50	33.60

ARES SERIES: LOW PRESSURE TRANSDUCERS

Features :
- Very Low Pressure Ranges
- Solder Reflow Capability
- Barbed Pressure Ports
- Dry/Dry Differential Transducer
- Built in ASIC for Amplified Output
- 0.5-4.5V output

Applications:
- HVAC
- Medical Equipment
- Environmental Controls
- Portable Monitors
- Volume OEM Applications

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Accuracy FSO	Price Each 1	10	25
824-GA100-005WD	GA100-005WD	C	0-5" water	0.25%	40.00	32.25	30.71
824-GA100-010WD	GA100-010WD	C	0-10" water	0.50%	40.00	32.25	30.71
824-GA100-015WD	GA100-015WD	C	0-15" water	0.50%	40.00	32.25	30.71
824-GA100-001PD	GA100-001PD	C	0-1psi	0.75%	40.00	32.25	30.71

ACCELEROMETERS

Features :

ACH-01
- Wide Frequency Response
- Wide Dynamic Range
- Ultra-Low Power
- Low Transverse Sensitivity

ACH-04
- Fully Contained 3-Axis Accelerometer
- Three Simultaneous Analog Outputs
- Low Frequency Response
- High Resonant Frequency & Low Q

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Price Each 1	10	25
824-ACH-01-03/10	ACH-01-03/10	D	Single-axis accelerometer w/ 40" coax cable and female connector	19.95	17.96	16.80
824-ACH-01-04/10	ACH-01-04/10	E	Single-axis accelerometer w/ 12" wire	19.95	17.96	16.80
824-ACH-04-08-05	ACH-04-08-05	F	Tri-axis accelerometer, board mountable	25.00	22.50	20.00

LDT VIBRATION SENSORS

Features :
- Rugged, Flexible PVDF Piezo Polymer film
- Excellent Dynamic Range
- Laminated for higher voltage output
- Added mass for Alternative Frequency Response (LDTM-028K/L and LDTC only)
- Robust, solderable lead attachment.

Applications:
- Vibration Sensor
- Flexible Switch
- Impact Sensing
- Antitheft Alarm
- Appliance Monitoring
- Vehicle Motion Sensor

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Price Each 1	10	25
824-LDT0-028K/L	LDT0-028K/L	G	Vibration sensor w/ crimps	.75	.68	.60
824-LDTM-028K	LDTM-028K	G	Vibration w/ mass and crimps	1.00	.90	.80
824-LDTC-HORIZ	LDTC-HORIZONTAL	G	Vibration w/ horizontal solder pins	1.50	1.40	1.20
824-LDTC-VERT	LDTC-VERTICAL	G	Vibration w/ vertical solder pins	1.50	1.40	1.20

ACCUSTAR® ELECTRONIC CLINOMETERS

Single Axis Features :
- CE certified
- Rugged plastic housing
- Extremely Accurate
- Linear Range: +/- 45°
- Supply Voltage: +5 to +15V DC

Dual Axis Features:
- New microprocessor-based electronics
- Two clinometers in one package
- Adaptable design DC powered
- Ratiometric and PW digital output
- Trimmable outputs
- Linear Range: +/- 15°
- Supply Voltage: +5 to +15V DC

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Price Each 1	10	25
Single Axis						
824-02110002-000	02110002-000	H	Ratiometric Vertical Flange	119.00	110.00	107.65
824-02110102-000	02110102-000	H	Ratiometric Horizontal Flange	119.00	110.00	107.65
Dual Axis						
824-02119011-000	02119011-000	I	Clinometer w/case	100.00	95.00	95.76
824-09-01-1061A	09-01-1061A	----	Mating Molex connector	3.00	2.80	2.70

DIMENSIONS (IN

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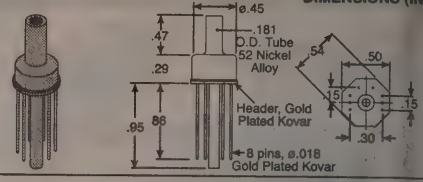

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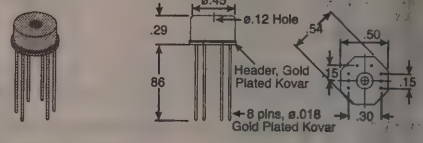

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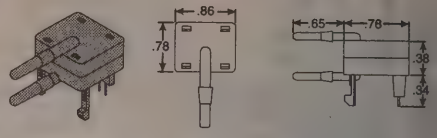

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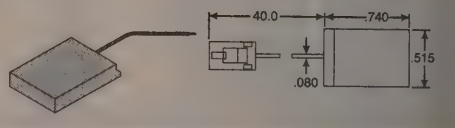

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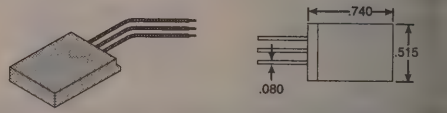

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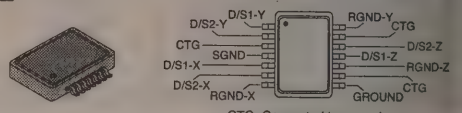
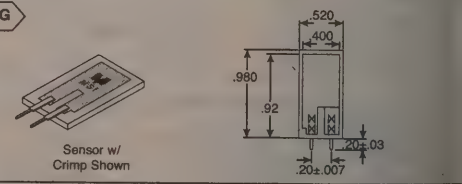


CTG=Connected to ground

G



Sensor w/
Crimp Shown

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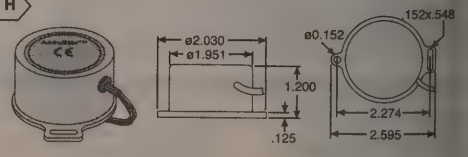

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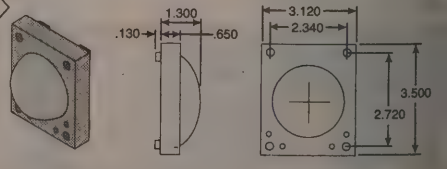


E8Y SERIES: CUBE TYPE DIFFERENTIAL PRESSURE SENSORS

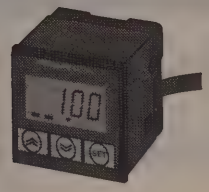
Specifications:
- Power supply voltage: 12-24 VDC
- Withstand pressure: 50 kPa
- Applicable fluid: Non-corrosive gas and non-flammable gas
- Digital output: NPN open collector (NO/NC)
- Display: 3 digit LED; orange LED indicator for 2 independent outputs

Features:
- Compact (31x30x30mm) cube style saves mounting space
- Separate analog output makes data available for charting
- 1-touch programming for upper and lower limits
- User defined normally open or normally closed configuration
- Pre-wired with 2M cable

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Pressure Port/ Mounting	Pressure Vol. Range	Analog Output	Price Each 1	2	5
653-E8Y-A2C-D	E8Y-A2C-D	4.5 mm dia. Pipe	0 - 0.290 psi	- - -	339.00	303.74	284.76
653-E8Y-A2C-RD	E8Y-A2C-RD	1/8 NPT	0 - 0.290 psi	- - -	342.00	306.43	287.28
653-E8Y-A5C-D	E8Y-A5C-D	4.5 mm dia. Pipe	0 - 0.725 psi	- - -	339.00	303.74	284.76
653-E8Y-A5C-RD	E8Y-A5C-RD	1/8 NPT	0 - 0.725 psi	- - -	342.00	306.43	287.28
653-E8Y-A2Y-D	E8Y-A2Y-D	4.5 mm dia. Pipe	0 - 0.290 psi	4-20mA	424.00	379.90	356.16
653-E8Y-A2Y-RD	E8Y-A2Y-RD	1/8 NPT	0 - 0.290 psi	4-20mA	444.00	397.82	372.96
653-E8Y-A5Y-D	E8Y-A5Y-D	4.5 mm dia. Pipe	0 - 0.725 psi	4-20mA	424.00	379.90	356.16
653-E8Y-A5Y-RD	E8Y-A5Y-RD	1/8 NPT	0 - 0.725 psi	4-20mA	444.00	397.82	372.96
Accessories					1	25	50
653-E89-Y1	E89-Y1	Panel-mounting bracket			17.00	15.23	14.28

E8F2 SERIES: CUBE TYPE GAUGE PRESSURE SENSORS



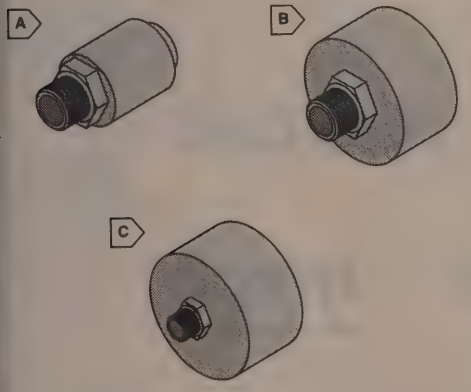
Specifications:
- Power supply voltage: 12-24 VDC
- Applicable fluid: Non-corrosive gas and non-flammable gas
- Operating modes: Hysteresis, window, auto-teaching
- ON/OFF output: NPN open collector (NO/NC)
- Display: 3.5 digit red LED; green LED bar indicator; orange LED indicator for 2 independent outputs; green unit indicator

Features:
- Compact (28x28x29mm) cube style saves mounting space
- Displays both analog bar and digital pressure values
- 2 independent discrete output plus 1 analog output
- User defined normally open or normally closed configuration
- Pre-wired with 2M cable

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Type	Pressure Vol. Range	Analog Output	Price Each 1	2	5
653-E8F2-D01C	E8F2-D01C	Positive pressure	0 - 14.5 psi	58 psi	245.00	219.52	205.80
653-E8F2-D10C	E8F2-D10C	Positive pressure	0 - 145 psi	217.6 psi	245.00	219.52	205.80
653-E8F2-DN0C	E8F2-DN0C	Negative pressure	0 - 14.6 psi	58 psi	245.00	219.52	205.80
Accessories					1	25	50
653-E89-F4	E89-F4	Panel-mounting bracket			17.20	15.41	14.45

E8M/E8MS SERIES: 4-CHANNEL PRESSURE SENSORS



Specifications:
- Power supply voltage: 12 VDC
- Applicable fluid: Non-corrosive gas and non-flammable gas
- Pressure joint: 1/8 NPT and M5 female screw except E8M-N0 which has M5 male screw
- Connectors required on all models, sold separately

Features:
- Industry's smallest pressure sensor - ideal for robot arms or other moving components
- Highly sensitive
- Requires no wiring conduit - ideal for sensing in small places
- Easy sensitivity adjustment using the teach function and channel-to-channel copy function

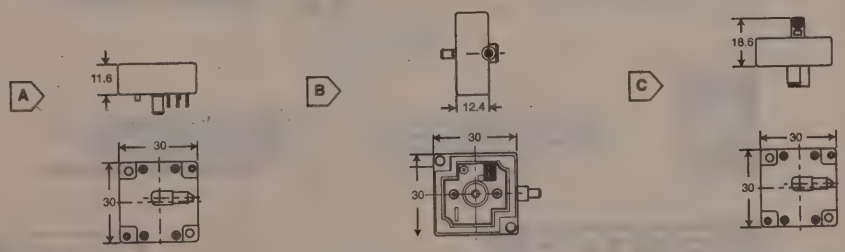
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Type	Pressure Vol. Range	Analog Output	Price Each 1	2	5
653-E8MS-10	E8MS-10	A	Pos. pressure	0-1 Mpa (0-145 psi)	1.5 Mpa	116.00	103.94	97.44
653-E8MS-N0	E8MS-N0	A	Neg. pressure	0-101 kPa (0-14.6 psi)	400 kPa	116.00	103.94	97.44
653-E8M-10	E8M-10	B	Pos. pressure	0-1 Mpa (0-145 psi)	1.5 Mpa	126.00	112.90	105.84
653-E8M-N0	E8M-N0	C	Neg. pressure	0-101 kPa (0-14.6 psi)	400 kPa	116.00	103.94	97.44
Accessories						1	25	50
653-E89-M3	E89-M3		Required 4-pin connector w/ cable for E8M			23.00	20.61	19.32
653-E89-M4	E89-M4		Required 3-pin connector w/ cable for E8MS			22.00	19.71	18.48

D8 SERIES PRESSURE SENSORS

tures:
8M-A1 and -R1 accept 4mm OD tubing
8M-D1 accepts 3mm OD tubing
3T body
-8M-D1 and D8M-R1 have IP40 rating
w cost alternative to installing CO sensors
stead of detecting carbon monoxide directly, the D8M displays capacitance proportional to the flue intake pressure and outputs signal whose frequency increases linearly with air pressure.

plications:
VAC
ecurity
dustrial Control



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Withstand Pressure	Operating Pressure Range	Power Supply Voltage	Current Consumption	Output Signal	Price Each 1	5	10	25
i3-D8M-A1	D8M-A1	J	58.8 kPa for 3 minutes	0 to 4.9 kPa	2.2 VDC	2.5 mA max	Analog	32.67	29.40	27.77	26.78
i3-D8M-D1	D8M-D1	K	58.8 kPa for 3 minutes	0 to 5.88 kPa	2.2 to 3.4 VDC w/ regulator	25 mA max	Pulse count	48.96	44.06	41.62	40.15
i3-D8M-R1	D8M-R1	L	3 kPa for 10 seconds	0 to 196.13 Pa	4.2 to 5.5 VDC w/ regulator	10 mA max.	Frequency	81.60	73.44	69.36	66.92

ENCLOSURES AND RACKS

Racks and Accessories

Bud 1369-1378
Hammond 1379-1383
Vector 1384

Metal Enclosures

Bud 1385-1388
Hammond 1389-1396
LMB 1397-1398
Deltron 1399
Eagle Plastic Devices 1399

Plastic Enclosures

Altech.....1400-1401
Bud 1402-1405
Hammond 1406-1410
PacTec 1411-1412
Serpac 1413-1415
Eagle Plastic Devices 1399

THERMAL MANAGEMENT

Fans and Accessories

Adda 1416-1418
Bi-Sonic.....1419
ebm-papst.....1420-1424
Orion 1425, 1426
Qualtek.....1427

Heatsinks

Aavid Thermalloy.....1428-1431
Wakefield Thermal Solutions ...1432-1433

BUD Cabinet Racks and Accessories

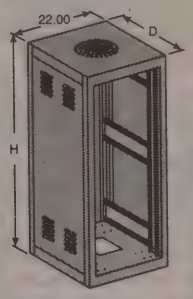
UD ECONOMIZER™ CABINET RACK

ipped Factory Direct"

quality, low cost 19" panel width in both ventilated (side and doors feature ventilating louvers) and non-ventilated versions. 24" panel width also available. Welded frame has 14-gauge steel vertical rails and 16-gauge steel top ottom, with uniquely designed, 16-gauge steel rail supports. Furnished complete with removable sides, rear door, and one pair of fully adjustable panel mounting rails (some accessories require two pairs of rails). Side panels 0-gauge steel, and removable from outside for easy access. Panel mounting rails are 12-gauge steel. Bottom is pierced for castors with one 9.56" square hole and four 1.11" knockouts for cable access.

colors available, replace (__) in the part number with: **S** for **Sand Textured**, **RB** for **Royal Blue**, or **BT** for **Black Textured**

Ventilated			Non-Ventilated			Dimensions (In.)		Panel Space ((In.)
MOUSER STOCK NO.	Bud Part No.	Price Each	MOUSER STOCK NO.	Bud Part No.	Price Each	H	D	
3-ER-16602-__	ER-16602-__	716.80	563-ER-16502-__	ER-16502-__	634.40	47.31	18.50	42.00
3-ER-16603-__	ER-16603-__	738.75	563-ER-16503-__	ER-16503-__	697.75	57.81	18.50	52.50
3-ER-16604-__	ER-16604-__	795.80	563-ER-16504-__	ER-16504-__	749.10	66.56	18.50	61.25
3-ER-16605-__	ER-16605-__	838.80	563-ER-16505-__	ER-16505-__	793.65	75.31	18.50	70.00
3-ER-16606-__	ER-16606-__	868.10	563-ER-16506-__	ER-16506-__	827.55	84.06	18.50	78.75
3-ER-16612-__	ER-16612-__	764.90	563-ER-16512-__	ER-16512-__	718.15	47.31	25.50	42.00
3-ER-16613-__	ER-16613-__	795.60	563-ER-16513-__	ER-16513-__	749.60	57.81	25.50	52.50
3-ER-16614-__	ER-16614-__	864.65	563-ER-16514-__	ER-16514-__	819.90	66.56	25.50	61.25
3-ER-16615-__	ER-16615-__	900.25	563-ER-16515-__	ER-16515-__	856.10	75.31	25.50	70.00
3-ER-16616-__	ER-16616-__	949.30	563-ER-16516-__	ER-16516-__	906.10	84.06	25.50	78.75
3-ER-16622-__	ER-16622-__	810.20	563-ER-16522-__	ER-16522-__	749.85	47.31	30.75	42.00
3-ER-16623-__	ER-16623-__	844.95	563-ER-16523-__	ER-16523-__	784.55	57.81	30.75	52.50
3-ER-16624-__	ER-16624-__	936.15	563-ER-16524-__	ER-16524-__	875.70	66.56	30.75	61.25
3-ER-16625-__	ER-16625-__	958.05	563-ER-16525-__	ER-16525-__	897.70	75.31	30.75	70.00
3-ER-16626-__	ER-16626-__	1041.35	563-ER-16526-__	ER-16526-__	978.25	84.06	30.75	78.75



UD ECONOMIZER STEEL DOORS

ipped Factory Direct"

erial: • 20 gauge steel

re are three colors available,
ace the (__) in the part number with: **S** for Sand Textured, **BT** for **Black Textured** or **RB** for **Royal Blue Textured**

Ventilated		Price Each	Non-Ventilated		Price Each	Height (In.)
MOUSER STOCK NO.	Bud Part No.		MOUSER STOCK NO.	Bud Part No.		
63-ER-16592-__	ER-16592-__	193.10	563-ER-16532-__	ER-16532-__	173.00	41.94
63-ER-16593-__	ER-16593-__	205.55	563-ER-16533-__	ER-16533-__	185.35	52.44
63-ER-16594-__	ER-16594-__	229.60	563-ER-16534-__	ER-16534-__	209.50	61.19
63-ER-16595-__	ER-16595-__	241.75	563-ER-16535-__	ER-16535-__	221.50	69.94
63-ER-16596-__	ER-16596-__	249.55	563-ER-16536-__	ER-16536-__	229.40	78.69

BUD ECONOGLAS DOORS

"Shipped Factory Direct"

For Series 2000, Series 60, LPR, Classic II, and Economizer Upright Cabinet Racks.

Design Features:

- Aluminum frame door with gasketed .18" thick smoke gray plastic insert. Can be used in place of a normal steel door. Comes standard with keylock.

MOUSER STOCK NO.	Bud Part No.	Height (In.)	Price Each
563-V-9763-L	V-9763-L	41.94	150.30
563-V-9764-L	V-9764-L	52.44	193.65
563-V-9765-L	V-9765-L	61.19	194.40
563-V-9766-L	V-9766-L	69.94	199.80
563-V-9767-L	V-9767-L	78.69	243.15

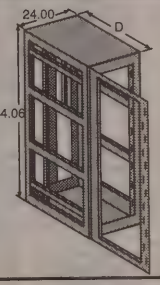
UD SERVER RACKS

hipped Factory Direct"

sign Features:

- xtra deep 36" and 43" cabinets accept most manufacturer's servers.
- ront Econoglas door is ventilated.
- able access in both top and bottom of cabinet
- erforated side panels, 36% open, and rear door, 27% open, provide for maximum air flow.
- omes with internal grounding studs
- omes complete with two pairs of fully-adjustable universal spacing mounting rails that accept #12-24 and #M-6 cage nuts.
- entilated top can be used with optional exhaust fans (Bud FN-1282)

MOUSER STOCK NO.	Bud Part No.	Panel Space (In.)	Dimensions (In.) H x W x D	Max. Clear Inside Depth	Price Each
563-DC-8105	DC-8105	78.75 x 19.00	84.06 x 24 x 35.43	33.94	1589.10
563-DC-8110	DC-8110	78.75 x 19.00	84.06 x 24 x 41.82	41.82	1651.70



UD ACCESSORIES FOR ECONOMIZER AND SERVER CABINET RACKS

MOUSER STOCK NO.	Description	For Cabinet Rack: Economizer	For Cabinet Rack: Server Rack	Price Each
63-FN-1282	10" Cabinet Fan	•	•	134.70
63-FN-1280	4.5" Muffin Fan	•	•	37.50
63-FT-1170(WH/MG)	Fan Tray	•	•	176.65
63-B-25-A	5.25" Blower	•	•	457.90
63-B-60	3.50" Blower	•	•	470.66
63-TS(15/22)	Temperature Switch	•	•	23.70
63-RL-7767	Levelers, Nylon	•	•	4.00
63-RL-7771	Levelers, Rubber	•		3.10
63-RC-7758	Casters, 200 # (pair)	•	•	28.40
63-RC-7761	Casters, 240 # w/Brake (pair)	•	•	67.90
63-RC-7762	Casters, 240 # w/o Brake (pair)	•	•	58.30

iding Mechanisms

63-AS-5000-A	2-piece, 12" slide length (pair)	•	•	25.45
63-AS-5001-A	2-piece, 16" slide length (pair)	•	•	33.50
63-AS-5002-A	2-piece, 20" slide length (pair)	•	•	35.10
63-AS-5004-A	2-piece, 26" slide length (pair)	•	•	38.75
63-AS-5042-A	3-piece, 20" slide length (pair)	•	•	76.00
63-BAS-5106	Slide Brackets (mounting bracket kit)	•	•	30.20

anel Mounting Rails

63-PMR-9448	Fits 21.00" Panel Space (pair)	•		54.90
63-PMR-2331	Fits 24.50" Panel Space (pair)	•		51.20
63-PMR-9449	Fits 31.50" Panel Space (pair)	•		62.35
63-PMR-9450	Fits 42.00" Panel Space (pair)	•		67.65
63-PMR-9451	Fits 52.50" Panel Space (pair)	•		74.90
63-PMR-9452	Fits 61.25" Panel Space (pair)	•		83.75
63-PMR-9453	Fits 71.00" Panel Space (pair)	•		91.60
63-PMR-9454	Fits 78.75" Panel Space (pair)	•		97.15
63-PMR9483	L-Shaped Fits 70.00" (pkg. of 4)	•	•	153.85
63-PMR-9484	L-Shaped Fits 78.75" (pkg. of 4)	•	•	163.05
63-7346	Screws for Rails	•	•	.10

ower Outlet Strips

See Accessory Pages for a complete listing of Power Outlet Strips

63-POS-194-S	19" Rear Rack Mount	•	•	49.50
63-POS-195-S	19" Front Rack Mount	•	•	49.50

Stationary Shelves

See Accessory Pages for a complete listing of Stationary Shelves

MOUSER STOCK NO.	Description	For Cabinet Rack: Economizer	For Cabinet Rack: Server Rack	Price Each
563-SA-1719-GT	16" gray	•		86.80
563-SA1720-RB	20" blue	•		87.60
563-SA-1278-BT	16" x 17.62" black, adjustable	•	•	93.60
563-SA-1279-MG	20" x 17.62" gray, adjustable	•	•	100.80
563-SA-1378-BT	16" x 21.62" black, adjustable	•	•	81.30
563-SA-1379-MG	20" x 21.62" gray, adjustable	•	•	89.70
563-SH-2383	Vented 19" x 17"	•		55.15
563-SH-2381	Non-Vented 19" x 24"	•		57.85
563-SA-1750-BT	19" Non-vented black, 15" x 17.62"	•	•	56.85
563-SA-1751-MG	19" Vented gray, 15" x 17.62"	•	•	62.20
563-SA-1775-BT	Keyboard Mouse Shelf	•	•	66.15
563-AB-2375	Shelf Adapter Brackets		•	60.60

Sliding Shelves

See Accessory Pages for a complete listing of Sliding Shelves

MOUSER STOCK NO.	Description	For Cabinet Rack: Economizer	For Cabinet Rack: Server Rack	Price Each
563-SH-2391	Vented 19" x 17"	•		94.85
563-SH-2393	Vented 19" x 24"	•		106.70
563-SH-2388	Non-Vented 19" x 20.5"	•		99.90
563-SH-2390	Non-Vented 19" x 29.25"	•		113.45
563-KS1785BT	19" Keyboard/ Mouse, black	•	•	139.20
563-KS-1787-MG	23" Keyboard/ Mouse, gray	•	•	152.85
563-KS-1788	Keyboard Shelf	•	•	143.95
563-60-2361-BT	19" Desktop	•	•	132.95

Drawers

563-DD-2363BT	19" Desktop, black	•	•	251.80
563-DD-2363-MG	19" Desktop, gray	•	•	251.80
563-D-1722-WH	19" white, 16.18" deep	•	•	199.90
563-D-1722-BT	19" black , 16.18" deep	•	•	199.90
563-D-1722-MG	19" gray , 16.18" deep	•	•	199.90
563-D-1723-WH	19" white, 19.18" deep	•	•	207.63
563-D-1723-BT	19" black , 19.18" deep	•	•	207.63
563-D-1723-MG	19" gray , 19.18" deep	•	•	207.63

BUD Cabinet Racks

VALURACK

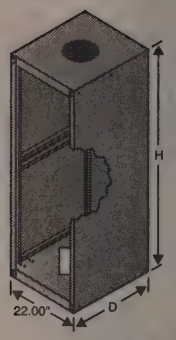
"Shipped Factory Direct"

- EIA-310 compliant for 19" panel width equipment
- Provisions for additional fully adjustable panel mounting rails
- Top accepts Bud #FN-1282 Exhaust Fan
- Suggested 700# equipment load capacity (higher when used with adjustable panel mounting rails for 4-point equipment mounting)
- Finish: Black Texture
- Sturdy welded-together construction
- One pair of integral full height panel mounting rails with EIA universal spaced mounting holes
- Panel mounting rails are located in the front of the cabinet and are recessed 1.00"
- Large 10.00" square hole in the bottom of the cabinet, along with 1.11" diameter knockouts for cable access.
- Bottom of cabinet pierced for use with casters or levelers

Accessories:

- Uses most standard Bud accessories (all standard accessories when used with adjustable panel mounting rails)

Contact a Mouser Service Representative for other sizes, colors, and for modified versions.



MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) H	Dimensions (In.) D	Panel Space (In.)	Clear Inside Depth (In.)	Price Each	Mounting Rails
563-VR-8924	VR-8924	65.56	26.00	61.25	24.00	440.35	563-PMR-9452
563-VR-8925	VR-8925	75.31	26.00	70.00	24.00	449.45	563-PMR-9453
563-VR-8926	VR-8926	78.75	26.00	78.75	24.00	473.70	563-PMR-9454

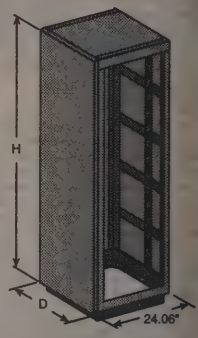
SERIES 60 CABINET RACKS

"Shipped Factory Direct"

Design Features:

- All welded 14 gauge steel frame with "U" shaped 16 gauge steel panel mounting rail supports.
- Accommodates 19" wide E.I.A. panels.
- Door, 20 gauge steel. Sides and top, 18 gauge steel.
- Add-A-Rack System used to combine two or more enclosures into one integral system.
- Shipped completely assembled.

Two colors available, replace (__) in the part number with:
GT for **Gray Textured**, **RB** for **Royal Blue Textured**
Available in other Bud textured finishes at no extra cost.



					Front Door				Add-A Rack		
MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) H	Dimensions (In.) D	Panel Space (In.)	Price Each	MOUSER STOCK NO.	Bud Part No.	Price Each	MOUSER STOCK NO.	Bud Part No.	Price Each
563-60-2300-__	60-2300-__	29.62	22.00	21.00	877.95	563-60-2340-__	60-2340-__	156.35	563-60-2500-__	60-2500-__	720.30
563-60-2301-__	60-2301-__	40.12	22.00	31.50	956.95	563-60-2341-__	60-2341-__	173.65	563-60-2501-__	60-2501-__	795.80
563-60-2302-__	60-2302-__	50.62	22.00	42.00	1083.05	563-60-2342-__	60-2342-__	182.85	563-60-2502-__	60-2502-__	890.45
563-60-2303-__	60-2303-__	61.12	22.00	52.50	1189.00	563-60-2343-__	60-2343-__	203.35	563-60-2503-__	60-2503-__	997.70
563-60-2304-__	60-2304-__	69.87	22.00	61.25	1285.05	563-60-2344-__	60-2344-__	249.50	563-60-2504-__	60-2504-__	1075.50
563-60-2305-__	60-2305-__	78.62	22.00	70.00	1370.55	563-60-2345-__	60-2345-__	259.90	563-60-2505-__	60-2505-__	1161.10
563-60-2306-__	60-2306-__	87.37	22.00	78.75	1477.65	563-60-2346-__	60-2346-__	264.10	563-60-2506-__	60-2506-__	1267.45
563-60-2307-__	60-2307-__	29.62	25.50	21.00	912.55	563-60-2340-__	60-2340-__	156.35	563-60-2507-__	60-2507-__	748.50
563-60-2308-__	60-2308-__	40.12	25.50	31.50	981.00	563-60-2341-__	60-2341-__	173.65	563-60-2508-__	60-2508-__	830.65
563-60-2309-__	60-2309-__	50.62	25.50	42.00	1108.40	563-60-2342-__	60-2342-__	182.85	563-60-2509-__	60-2509-__	896.70
563-60-2310-__	60-2310-__	61.12	25.50	52.50	1199.80	563-60-2343-__	60-2343-__	203.35	563-60-2510-__	60-2510-__	980.55
563-60-2311-__	60-2311-__	69.87	25.50	61.25	1316.85	563-60-2344-__	60-2344-__	249.50	563-60-2511-__	60-2511-__	1106.30
563-60-2312-__	60-2312-__	78.62	25.50	70.00	1392.30	563-60-2345-__	60-2345-__	259.90	563-60-2512-__	60-2512-__	1124.00
563-60-2313-__	60-2313-__	87.37	25.50	78.75	1512.45	563-60-2346-__	60-2346-__	264.10	563-60-2513-__	60-2513-__	1295.20
563-30-2300-__	30-2300-__	29.62	30.75	21.00	978.60	563-60-2340-__	60-2340-__	156.35	563-30-2500-__	30-2500-__	789.59
563-30-2301-__	30-2301-__	40.12	30.75	31.50	1070.80	563-60-2341-__	60-2341-__	173.65	563-30-2501-__	30-2501-__	862.10
563-30-2302-__	30-2302-__	50.62	30.75	42.00	1201.75	563-60-2342-__	60-2342-__	182.85	563-30-2502-__	30-2502-__	1013.95
563-30-2303-__	30-2303-__	61.12	30.75	52.50	1319.75	563-60-2343-__	60-2343-__	203.35	563-30-2503-__	30-2503-__	1113.55
563-30-2304-__	30-2304-__	69.87	30.75	61.25	1411.80	563-60-2344-__	60-2344-__	249.50	563-30-2504-__	30-2504-__	1204.80
563-30-2305-__	30-2305-__	78.62	30.75	70.00	1520.25	563-60-2345-__	60-2345-__	259.90	563-30-2505-__	30-2505-__	1310.55
563-30-2306-__	30-2306-__	87.37	30.75	78.75	1625.85	563-60-2346-__	60-2346-__	264.10	563-30-2506-__	30-2506-__	1439.35

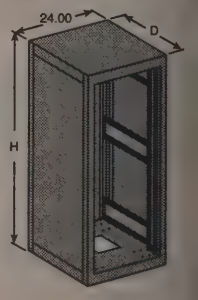
CLASSIC II CABINET RACKS

"Shipped Factory Direct"

Design Features:

- Welded Frame: 14-gauge steel vertical rails. 16-gauge steel top and bottom. Uniquely designed, 16-gauge steel rail supports. Furnished complete with removable sides, rear doors and two pairs of panel mounting rails.
- Panel Mounting Rails: 12-gauge steel. Separate .28" diameter holes provided for mounting accessories. Two pairs furnished.
- Side Panel: 20-gauge steel. Removable from outside for easy access.

There are two colors available, replace the (__) in the part number with: **GT** for **Gray Textured** or **RB** for **Royal Blue Textured**



Ventilated			Non-Ventilated			Dimensions (In.)		Panel Space (In.)
MOUSER STOCK NO.	Bud Part No.	Price Each	MOUSER STOCK NO.	Bud Part No.	Price Each	H	D	
563-AGR-9572-__	AGR-9572-__	860.10	563-AGR-9522-__	AGR-9522-__	761.10	47.31	18.50	42.00
563-AGR-9573-__	AGR-9573-__	886.35	563-AGR-9523-__	AGR-9523-__	837.23	57.81	18.50	52.50
563-AGR-9574-__	AGR-9574-__	954.08	563-AGR-9524-__	AGR-9524-__	898.73	66.56	18.50	61.25
563-AGR-9575-__	AGR-9575-__	1006.43	563-AGR-9525-__	AGR-9525-__	952.20	75.31	18.50	70.00
563-AGR-9576-__	AGR-9576-__	1041.60	563-AGR-9526-__	AGR-9526-__	992.93	84.06	18.50	78.75
563-AGR-9582-__	AGR-9582-__	917.78	563-AGR-9532-__	AGR-9532-__	861.65	47.31	25.50	42.00
563-AGR-9583-__	AGR-9583-__	954.53	563-AGR-9533-__	AGR-9533-__	899.30	57.81	25.50	52.50
563-AGR-9584-__	AGR-9584-__	1037.48	563-AGR-9534-__	AGR-9534-__	983.75	66.56	25.50	61.25
563-AGR-9585-__	AGR-9585-__	1080.08	563-AGR-9535-__	AGR-9535-__	1027.15	75.31	25.50	70.00
563-AGR-9586-__	AGR-9586-__	1138.95	563-AGR-9536-__	AGR-9536-__	1087.00	84.06	25.50	78.75
563-AGR-9592-__	AGR-9592-__	972.08	563-AGR-9542-__	AGR-9542-__	899.60	47.31	30.75	42.00
563-AGR-9593-__	AGR-9593-__	1013.78	563-AGR-9543-__	AGR-9543-__	941.30	57.81	30.75	52.50
563-AGR-9594-__	AGR-9594-__	1123.20	563-AGR-9544-__	AGR-9544-__	1050.65	66.56	30.75	61.25
563-AGR-9595-__	AGR-9595-__	1149.53	563-AGR-9545-__	AGR-9545-__	1076.95	75.31	30.75	70.00
563-AGR-9596-__	AGR-9596-__	1249.35	563-AGR-9546-__	AGR-9546-__	1173.70	84.06	30.75	78.75

CLASSIC II CABINET RACK FRONT DOORS

MOUSER STOCK NO.	Bud Part No.	Height (In.)	Price Each
563-AGD-932-__	AGD-932-__	42.69	220.35
563-AGD-933-__	AGD-933-__	53.19	234.55
563-AGD-934-__	AGD-934-__	61.94	265.75
563-AGD-935-__	AGD-935-__	70.69	281.25
563-AGD-937-__	AGD-937-__	79.44	291.30

WHAT ACCESSORIES DO YOU NEED FOR YOUR CABINET RACK?

Check out the Accessory Pages for Mouser's full line of Bud Cabinet Accessories

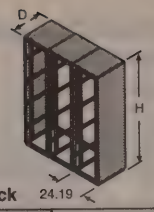
BUD Cabinet Racks and Accessories

D SERIES 2000 CABINET RACKS

pped Factory Direct"

gn Features:

- odized aluminum extrusion top trim.
- welded 14 gauge steel frame with "U" shaped
- gauge steel panel mounting rail supports.
- or, 20 gauge steel.
- commodates 19" wide E.I.A. panels.
- Bottom pierced for RC-7758 casters.
- 1.109 inch diameter knockout holes in base.
- 1200# equipment load capacity.
- Sides and top, 18 gauge steel.
- Shipped completely assembled.
- Add-A-Rack System used to combine two or more enclosures into one integral system.



are two colors available, replace the (__) in the part number with:
r **Gray Textured** or **RB** for **Royal Blue Textured**
able in other Bud textured finishes at no extra cost.

Front Door **Add-A-Rack**

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) H	Dimensions (In.) D	Panel Space (In.)	Price Each	MOUSER STOCK NO.	Bud Part No.	Price Each	MOUSER STOCK NO.	Bud Part No.	Price Each
th plain sides and plain rear doors:											
3-E-2000-__	E-2000-__	30.25	23.87	21.00"	910.85	563-E-9000-__	E-9000-__	214.35	563-AE-2032-__	AE-2032-__	728.05
3-E-2003-__	E-2003-__	51.25	23.87	42.00"	1099.90	563-E-9003-__	E-9003-__	271.40	563-AE-2035-__	AE-2035-__	914.10
3-E-2004-__	E-2004-__	61.75	23.87	52.50"	1214.60	563-E-9004-__	E-9004-__	281.75	563-AE-2036-__	AE-2036-__	1030.80
3-E-2005-__	E-2005-__	70.5	23.87	61.25"	1329.05	563-E-9005-__	E-9005-__	294.95	563-AE-2037-__	AE-2037-__	1140.25
3-E-2006-__	E-2006-__	79.25	23.87	70.00"	1394.05	563-E-9006-__	E-9006-__	308.75	563-AE-2038-__	AE-2038-__	1120.00
3-E-2007-__	E-2007-__	88	23.87	78.75"	1571.90	563-E-9007-__	E-9007-__	332.60	563-AE-2039-__	AE-2039-__	1330.55
3-E-2008-__	E-2008-__	30.25	27.37	21.00"	923.20	563-E-9000-__	E-9000-__	214.35	563-AE-2040-__	AE-2040-__	768.20
3-E-2011-__	E-2011-__	51.25	27.37	42.00"	1158.60	563-E-9003-__	E-9003-__	271.40	563-AE-2043-__	AE-2043-__	973.95
3-E-2012-__	E-2012-__	61.75	27.37	52.50"	1300.45	563-E-9004-__	E-9004-__	281.75	563-AE-2044-__	AE-2044-__	1117.85
3-E-2013-__	E-2013-__	70.5	27.37	61.25"	1375.75	563-E-9005-__	E-9005-__	294.75	563-AE-2045-__	AE-2045-__	1202.00
3-E-2014-__	E-2014-__	79.25	27.37	70.00"	1425.15	563-E-9006-__	E-9006-__	308.75	563-AE-2046-__	AE-2046-__	1242.10
3-E-2015-__	E-2015-__	88	27.37	78.75"	1543.00	563-E-9007-__	E-9007-__	332.60	563-AE-2047-__	AE-2047-__	1367.05
3-E30-2000-__	E30-2000-__	30.25	32.62	21.00"	941.50	563-E-9000-__	E-9000-__	214.35	563-A30-2032-__	A30-2032-__	816.05
3-E30-2003-__	E30-2003-__	51.25	32.62	42.00"	1207.30	563-E-9003-__	E-9003-__	271.60	563-A30-2035-__	A30-2035-__	1024.55
3-E30-2004-__	E30-2004-__	61.75	32.62	52.50"	1348.10	563-E-9004-__	E-9004-__	281.75	563-A30-2036-__	A30-2036-__	1119.60
3-E30-2005-__	E30-2005-__	70.5	32.62	61.25"	1435.45	563-E-9005-__	E-9005-__	294.75	563-A30-2037-__	A30-2037-__	1207.00
3-E30-2006-__	E30-2006-__	79.25	32.62	70.00"	1541.75	563-E-9006-__	E-9006-__	308.75	563-A30-2038-__	A30-2038-__	1337.30
3-E30-2007-	E30-2007-	88	32.62	78.75"	1645.00	563-E-9007-	E-9007-	332.60	563-A30-2039-	A30-2039-	1451.50
th louvered sides and louvered rear door:											
3-E-2024-__	E-2024-__	30.25	27.37	21.00"	910.30	563-E-9020-__	E-9020-__	244.60	563-AE-2056-__	AE-2056-__	815.35
3-E-2027-__	E-2027-__	51.25	27.37	42.00"	1205.65	563-E-9023-__	E-9023-__	309.05	563-AE-2059-__	AE-2059-__	996.20
3-E-2028-__	E-2028-__	61.75	27.37	52.50"	1347.45	563-E-9024-__	E-9024-__	319.85	563-AE-2060-__	AE-2060-__	1121.15
3-E-2029-__	E-2029-__	70.5	27.37	61.25"	1422.95	563-E-9025-__	E-9025-__	336.00	563-AE-2061-__	AE-2061-__	1193.75
3-E-2030-__	E-2030-__	79.25	27.37	70.00"	1472.10	563-E-9026-__	E-9026-__	352.20	563-AE-2062-__	AE-2062-__	1239.50
3-E-2031-__	E-2031-__	88	27.37	78.75"	1590.05	563-E-9027-__	E-9027-__	379.35	563-AE-2063-__	AE-2063-__	1360.40

JD UL / NEMA 12 CABINET RACK

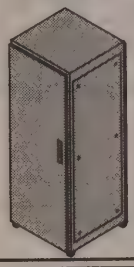
ipped Factory Direct"

tures:

- sted and listed under UL508 Type 12 for use in both the USA and Canada
- dheres to NEMA 12 and IEC529 IP55 requirements
- il resistant gaskets
- oors equipped with 4-point latches for positive sealing

Texture. Available in other Bud textured finishes at no additional cost.

- Comes complete with frame, locking front and rear doors, externally removable side panels, and four adjustable 19"/23" panel width mounting rails.
- Gasketed 9.5" cable access ports in the top and bottom



MOUSER STOCK NO.	Bud Part No.	Panel Space (In.)	Dimensions (In.) H x W x D	Price Each
3-NR-10025	NR-10025	70.00	75.31 x 27.00 x 30.75	1886.50
3-NR-10026	NR-10026	78.75	84.06 x 27.00 x 30.75	1927.15

JD UL / NEMA 12 ACCESSORIES

xiglass Door

ipped Factory Direct"

tures:

- eplace original solid steel doors, and allow internal equipment
- be monitored without opening the cabinet door
- ray textured finish to match cabinet

MOUSER STOCK NO.	Bud Part No.	Fig.	Use with Cabinet	Price Each
3-NRD-10055	NRD-10055	A	NR-10025	644.35
3-NRD-10056	NRD-10056	A	NR-10026	671.40

se Post Kit

ipped Factory Direct"

tures:

- ises cabinet rack 2.62" off of the floor to allow for on-the-floor cabling
- our posts per kit
- ray textured finish to match cabinet

3-NRB-10081	NRB-10081	B	NR-10025 NR-10026	157.85

d-A-Rack Kit

ipped Factory Direct"

tures:

- lows two or more cabinets to be bayed together

3-NRX-10080	NRX-10080	C	NR-10025 NR-10026	22.50

Internal Rear Panel

"Shipped Factory Direct"

Features:

- Attaches to cabinet horizontal rails to allow the mounting of surface mount equipment
- Adjustable within cabinet
- White texture finish for maximum visibility when installing equipment

MOUSER STOCK NO.	Bud Part No.	Fig.	Use with Cabinet	Price Each
563-NRP-10065	NRP-10065	D	NR-10025	263.70
563-NRP-10066	NRP-10066	D	NR-10026	281.90

Base Panel Kit

Features:

- Attaches to base posts to form a solid surface, thereby improving the overall look of the cabinet
- Four panels per kit.
- Gray textured finish to match cabinet

563-NRB-10084	NRB-10084	E	NR-10025 NR-10026	40.10

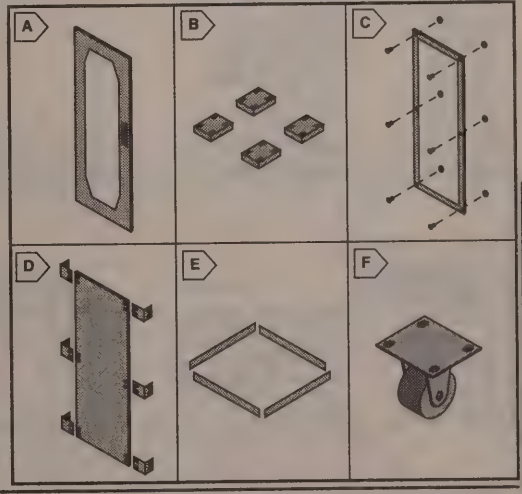
Casters

Features:

- Mount either directly to bottom of the cabinet or to the base posts
- Heavy duty 400# capacity per caster

Priced per pair

563-RC-7764-PR	RC-7764-PR	F	NR-10025 NR-10026 NRB-10081	61.50



"/23" EQUIPMENT CABINET RACK

ipped Factory Direct"

tures:

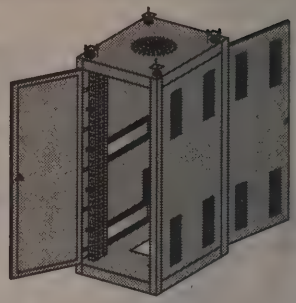
- an be used with either 19" or 23" panel width equipment
- 200# equipment load capacity
- ccepts most Bud accessories.
- Sturdy all-welded steel frame
- Lockable ventilated front and rear doors
- Includes one #POS-194-S Surge Suppressed Power Outlet Strip

MOUSER STOCK NO.	Bud Part No.	Panel Width (In.)	Dimensions (In.) H x W x D	Price Each
3-DC-8010	DC-8010	19.00 and 23.00	84.06 x 27.00 x 30.75	1187.14

BUD Cabinet Assemblies and Accessories

DISTRIBUTION CABINET ASSEMBLY

"Shipped Factory Direct"



Design Features:

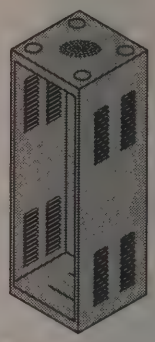
- Large 27" wide x 75.31" height x 30.75" overall depth ventilated cabinet with 19" x 70" E.I.A. panel space.
- Four 4" diameter cable access holes in the top and one 9.56" square hole in the base.
- Two pairs of adjustable panel mounting rails. Equipment Mounting Screws sold separately. (Mouser Stock Number 563-7346)
- Easy to use adjustable cable management system.
- Lockable steel rear and see through Plexiglas front doors.
- 1200# equipment load capacity.
- Comes completely assembled

There are two colors available,
Royal Blue (RB) and **Black Textured (BT)**

MOUSER STOCK NO.	Bud Part No.	Outside Height (In.)	Outside Width (In.)	Outside Depth (In.)	Panel Space (In.)	Price Each
563-DC-8050-RB	DC-8050-RB	75.31	27.00	30.75	19.00 x 17.00	1862.45
563-DC-8050-BT	DC-8050-BT	75.31	27.00	30.75	19.00 x 17.00	1862.45

TURN-KEY CABINET ASSEMBLY

"Shipped Factory Direct"



Design Features:

- Welded steel cabinet rack similar to Economizer with louvered side panels and rear door, ventilated top suitable for FN-1282 exhaust fan.
- Accept 19" E.I.A. width panels.
- 1200# equipment load capacity.
- Four 4.00" diameter cable access holes in the top and one 9.56" square hole in the base.
- Installed Locking Econoglas front door.
- Two pairs of installed full height panel mounting rails. Equipment Mounting Screws sold separately. (Mouser Stock Number 563-7346)
- Style A includes two SH-2385 ventilated shelves
- Style B includes leveler kits

Style A:
Replace the (__) in the part number with:
S for **Sand Textured**, **RB** for **Royal Blue**,or **BT** for **Black Textured**

Style B:
Replace the (__) in the part number with:
BT for **Black Textured**, or **WH** for **White Textured**

MOUSER STOCK NO.	Bud Part No.	Style	Outside Height (In.)	Outside Width (In.)	Outside Depth (In.)	Panel Space (In.)	Price Each
563-DC-8002-__	DC-8002-__	A	75.31	22.00	25.50	70.00	1222.10
563-DC-8075-__	DC-8075-__	B	75.31	22.00	25.50	70.00	1164.40
563-DC-8076-__	DC-8076-__	B	84.06	22.00	25.50	78.75	1251.35
563-DC-8078-__	DC-8078-__	B	84.06	22.00	30.75	78.75	1298.75

ACCESSORIES FOR DISTRIBUTION AND TURN-KEY CABINET ASSEMBLIES

MOUSER STOCK NO.	Description	For Cabinet Rack		Price Each
		Distribution	Turn-Key	
563-FN-1282	10" Cabinet Fan	•	•	134.70
563-FN-1280	4.5" Muffin Fan	•	•	37.50
563-FT-1170-WH	Fan Tray	•	•	176.65
563-FT-1170-MG	Fan Tray	•	•	176.65
563-B-25-A	5.25" Blower	•	•	457.90
563-B-60	3.50" Blower	•	•	320.95
563-TS-15	Temperature Switch	•	•	23.70
563-TS-22	Temperature Switch	•	•	23.70
563-RL-7767	Levelers, Nylon	•	•	4.00
563-RL-7771	Levelers, Rubber		•	3.10
563-RC-7758	Casters, Heavy Duty	•	•	28.40
563-RC-7761	Casters w/Brake	•	•	67.40
563-RC-7762	Casters w/o Brake	•	•	58.30

Sliding Mechanisms

MOUSER STOCK NO.	Description	For Cabinet Rack		Price Each
		Distribution	Turn-Key	
563-AS-5000-A	2-piece, 12" slide length	•	•	25.45
563-AS-5001-A	2-piece, 16" slide length	•	•	33.50
563-AS-5002-A	2-piece, 20" slide length	•	•	35.10
563-AS-5004-A	2-piece, 26" slide length	•	•	38.75
563-AS-5042-A	3-piece, 20" slide length	•	•	76.00
563-BAS-5106	Slide Brackets	•	•	30.20

Panel Mounting Rails

MOUSER STOCK NO.	Description	For Cabinet Rack		Price Each
		Distribution	Turn-Key	
563-PMR-9448	Fits 21.00" Panel Space		•	54.90
563-PMR-2331	Fits 24.50" Panel Space		•	51.20
563-PMR-9449	Fits 31.50" Panel Space		•	62.35
563-PMR-9450	Fits 42.00" Panel Space		•	67.65
563-PMR-9451	Fits 52.50" Panel Space		•	74.90
563-PMR-9452	Fits 61.25" Panel Space		•	83.75
563-PMR-9453	Fits 71.00" Panel Space		•	91.60
563-PMR-9454	Fits 78.75" Panel Space		•	92.15
563-PMR9483	L-Shaped Fits 70.00"	•	•	153.95
563-PMR-9484	L-Shaped Fits 78.75"	•	•	163.05
563-7346	Screws for Rails	•	•	.10

Power Outlet Strips

See Accessory Pages for a complete listing of Power Outlet Strips

MOUSER STOCK NO.	Description	For Cabinet Rack		Pr Ea
		Distribution	Turn-Key	
563-POS-194-S	19" Rear Rack Mount	•	•	49
563-POS-195-S	19" Front Rack Mount	•	•	49

Stationary Shelves

See Accessory Pages for a complete listing of Stationary Shelves.

MOUSER STOCK NO.	Description	For Cabinet Rack		Pr Ea
		Distribution	Turn-Key	
563-SA-1719-GT	16" gray		•	8
563-SA1720-RB	20" blue		•	8
563-SA-1278-BT	16" x 17.62" black, adjustable	•	•	9
563-SA-1279-MG	20" x 17.62" gray, adjustable	•	•	10
563-SA-1378-BT	16" x 21.62" black, adjustable	•	•	8
563-SA-1379-MG	20" x 21.62" gray, adjustable	•	•	8
563-SH-2383	Vented 19" x 17"	•	•	5
563-SH-2381	Non-Vented 19" x 24"	•	•	5
563-SA-1750-BT	19" Non-vented black, 15" x 17.62"	•	•	5
563-SA-1751-MG	19" Vented gray, 15" x 17.62"	•	•	6
563-SA-1775-BT	Keyboard/Mouse Shelf	•	•	6

Sliding Shelves

See Accessory Pages for a complete listing of Sliding Shelves.

MOUSER STOCK NO.	Description	For Cabinet Rack		Pr Ea
		Distribution	Turn-Key	
563-SH-2391	Vented 19" x 17"	•	•	9
563-SH-2388	Non-Vented 19" x 20.5"	•	•	10
563-SH-2390	Non-Vented 19" x 29.25"	•	•	7
563-KS1785BT	19" Keyboard/ Mouse, black	•	•	11
563-KS-1787-MG	23" Keyboard/ Mouse, gray	•	•	13
563-KS-1788	Keyboard Shelf	•	•	15
563-60-2361-BT	19" Desktop, black	•	•	13

Drawers

MOUSER STOCK NO.	Description	For Cabinet Rack		Pr Ea
		Distribution	Turn-Key	
563-DD-2363BT	19" Desktop, black	•	•	25
563-DD-2363-MG	19" Desktop, gray	•	•	25
563-D-1722-WH	19" white, 16.18" deep	•	•	19
563-D-1722-BT	19" black , 16.18" deep	•	•	19
563-D-1722-MG	19" gray , 16.18" deep	•	•	19
563-D-1723-WH	19" white, 19.18" deep	•	•	20
563-D-1723-BT	19" black , 19.18" deep	•	•	20

BUD Open Racks and Accessories

OPEN RACKS

"pped Factory Direct"

Top Rack:
le-type base holds heavy components for table mounting applications. Supporting provide strength, rigidity. Panel mounting rails tapped #10-32 on E.I.A. universal g. Standard 19" panel fits flush with front. Base, 20.38" x 12". Shipped knocked

263 Series Open Rack:
tionally strong structure made up of chassis-type base and supporting angles. nts, .11"; steel channels, 3" deep; top plate, 1.13" x 3.13". Rails tapped #10-32 on universal spacing. Base is 19.97" x 22" and drilled for 563-RC-7758 casters. Shipped ed down in two (2) cartons, with all necessary assembly and mounting hardware.

Racks: There are two colors available, replace the (__) in the part number with: **r Metallic Gray** or **BT** for **Black Textured**

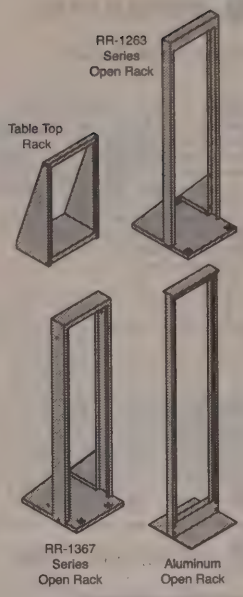
MOUSER STOCK NO.	Bud Part No.	Height (In.)	Panel Space (In.)	Price Each
le Top Rack				
-RR-1248-__	RR-1248__	24.00	21.00	107.70
-RR-1249-__	RR-1249__	31.00	28.00	117.80
-1263 Series Open Rack				
-RR-1263-__	RR-1263__	35.63	31.50 x 19	165.35
-RR-1363-__	RR-1363__	40.88	36.75 x 19	175.95
-RR-1264-__	RR-1264__	70.63	66.50 x 19	198.70
-RR-1364-__	RR-1364__	75.63	71.75 x 19	203.05
-RR-1366-__	RR-1366__	81.13	77.00 x 19	207.50
-1367 Series Open Rack				
-RR-1367-__	RR-1367__	64.63	61.25 x 19	361.60
-RR-1368-__	RR-1368__	73.38	70.00 x 19	384.75
-RR-1369-__	RR-1369__	80.38	77.00 x 19	397.55

RR-1367 Series Open Rack:
Extra-sturdy racks made of 14 and 12 gauge steel. 8" deep welded "U" member and triangular bracket hold uprights to base (12 GA). Panel mounting rails tapped #10-32 on E.I.A. universal spacing. Chassis type base, 20.88" x 26", drilled for 563-RC-7758 casters. Racks may be bolted together in Add-A-Rack fashion. Shipped knocked down in two (2) cartons, with all necessary assembly and mounting hardware.

Aluminum Open Rack:
Wide panel spaces. Panel mounting holes are #12-24 tapped on E.I.A. universal spacing on both the front and rear flanges. Finish: Natural finish or Black Textured. Shipped knocked down in one (1) carton, with all necessary assembly and mounting hardware.

Aluminum Open Racks

MOUSER STOCK NO.	Bud Part No.	Height (In.)	Panel Space (In.)	Price Each
Natural Finish				
563-ARR-1272-NF	ARR-1272-NF	84.00	77.00 x 19	138.55
563-ARR-1276-NF	ARR-1276-NF	50.00	42.00 X 19	157.50
563-ARR-1294-NF	ARR-1294-NF	84.00	77.00 x 23	228.35
Black Textured				
563-ARR-1272-BT	ARR-1272-BT	84.00	77.00 x 19	147.32
563-ARR-1276-BT	ARR-1276-BT	50.00	42.00 x 19	174.30
563-ARR-1294-BT	ARR-1294-BT	84.00	77.00 x 23	290.50



HEAVY DUTY STEEL RACKS

gn Features:
e heavy duty racks, an extension of the Bud RR-1265
s, are available in 6', 7' and 9' heights and 19" and 23"
panel spaces. Panel mounting holes are #12-24 tapped
I.A. universal spacing. (Use #9260 screws - order separately)
l mounting holes are located on front flanges only.

ures:
se Angles: .25" x 3.50" x 4.87"
p Angles: .12" x 2.09" x 1.56"
rights: .18" x 3.00" x 1.28"
erall Width 20.37" for 19" rack, 24.37" for 23" rack
erall Depth 12.75 base, 3.00" upright, 6.12" top
nish: Black Texture (BT)

s are shipped knocked down in two (2) cartons,
ll necessary assembly hardware included.

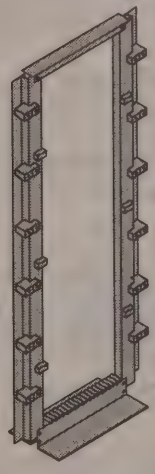
MOUSER STOCK NO.	Bud Part No.	Height (In.)	Panel Space (In.)	Price Each
-RR-1265	RR-1265	72.25"	66.50" x 19.00"	243.20
-RR-1269	RR-1269	82.75"	77.00" x 19.00"	255.35
-RR-1270	RR-1270	107.25"	101.50" x 19.00"	281.40
-RR-1290	RR-1290	72.25"	66.50" x 23.00"	259.70
-RR-1291	RR-1291	82.75"	77.00" x 23.00"	293.20
-RR-1292	RR-1292	107.25"	101.50" x 23.00"	299.95

OPEN RACK ASSEMBLY

"Shipped Factory Direct"

Includes:
- ARR-1272-BT black aluminum rack with 19" x 77" usable panel space.
- Twelve CM-1196 cableway rings.
- One pair CM-1197 cableway covers.
- Six CM-1220 cable rings.
- All necessary assembly hardware.

Accepts all BUD open rack accessories.



MOUSER STOCK NO.	Bud Part No.	Panel Space (In.)	Dimensions (In.)		Price Each
			H	W	
563-DC-8035	DC-8035	19.00	84.00	26.25	365.00

ACCESSORIES FOR OPEN RACKS

MOUSER STOCK NO.	Bud Part No.	Description	Price Each
-TS-15	TS-15	Temp. Switch (normally open contacts)	23.70
-TS-22	TS-22	Temp. Switch (normally closed contacts)	23.70
-RC-7758	RC-7758	Casters, Heavy Duty	28.40
-RC-7761	RC-7761	Casters w/Brake	67.40
-RC-7762	RC-7762	Casters w/o Brake	58.30
-POS-194-S	POS-194-S	19" Rear Rack Mount Power Outlet Strip	49.50
-POS-195-S	POS-195-S	19" Front Rack Mount Power Outlet Strip	49.50
-SA-1719-GT	SA-1719-GT	16" Gray Shelf Assembly	86.80
-SA-1719-RB	SA-1719-RB	16" Blue Shelf Assembly	86.80
-SA1720-GT	SA1720-GT	20" Gray Shelf Assembly	87.60
-SA1720-RB	SA1720-RB	20" Blue Shelf Assembly	87.60
-SA-1278-BT	SA-1278-BT	16" x 17.62" Adjustable Shelf, Black	93.60
-SA-1278-MG	SA-1278-MG	16" x 17.62" Adjustable Shelf, Gray	93.60
-SA-1279-BT	SA-1279-BT	20" x 17.62" Adjustable Shelf, Black	100.80
-SA-1279-MG	SA-1279-MG	20" x 17.62" Adjustable Shelf, Gray	100.80
-SA-1378-BT	SA-1378-BT	16" x 21.62" Adjustable Shelf, Black	81.30
-SA-1378-MG	SA-1378-MG	16" x 21.62" Adjustable Shelf, Gray	81.30
-SA-1379-BT	SA-1379-BT	20" x 21.62" Adjustable Shelf, Black	89.70
-SA-1379-MG	SA-1379-MG	20" x 21.62" Adjustable Shelf, Gray	89.70
-SA-1796-BT	SA-1796-BT	19" Monitor Shelf, Black	85.10
-SA-1796-MG	SA-1796-MG	19" Monitor Shelf, Black, Gray	85.10
-SA-1798-BT	SA-1798-BT	23" Monitor Shelf, Black	91.15
-SA-1798-MG	SA-1798-MG	23" Monitor Shelf, Gray	91.15

MOUSER STOCK NO.	Bud Part No.	Description	Price Each
563-SA-1750-BT	SA-1750-BT	15" x 17.62" Equipment Shelf, Black	56.85
563-SA-1750-MG	SA-1750-MG	15" x 17.62" Equipment Shelf, Gray	56.85
563-SA-1752-BT	SA-1752-BT	20" x 17.62" Equipment Shelf, Black	68.05
563-SA-1752-MG	SA-1752-MG	20" x 17.62" Equipment Shelf, Gray	68.05
563-SA-1754-BT	SA-1754-BT	15" x 21.62" Equipment Shelf, Black	59.70
563-SA-1754-MG	SA-1754-MG	15" x 21.62" Equipment Shelf, Gray	59.70
563-SA-1756-BT	SA-1756-BT	20" x 21.62" Equipment Shelf, Black	73.40
563-SA-1756-MG	SA-1756-MG	20" x 21.62" Equipment Shelf, Gray	73.40
563-SA-1751-BT	SA-1751-BT	15" x 17.62" Vented Equipment Shelf, Black	62.20
563-SA-1751-MG	SA-1751-MG	15" x 17.62" Vented Equipment Shelf, Gray	62.20
563-SA-1753-BT	SA-1753-BT	20" x 17.62" Vented Equipment Shelf, Black	73.80
563-SA-1753-MG	SA-1753-MG	20" x 17.62" Vented Equipment Shelf, Gray	73.80
563-SA-1755-BT	SA-1755-BT	15" x 21.62" Vented Equipment Shelf, Black	66.55
563-SA-1755-MG	SA-1755-MG	15" x 21.62" Vented Equipment Shelf, Gray	66.55
563-SA-1757-BT	SA-1757-BT	20" x 21.62" Vented Equipment Shelf, Black	74.90
563-SA-1757-MG	SA-1757-MG	20" x 21.62" Vented Equipment Shelf, Gray	74.90
563-SA-1775-BT	SA1775-BT	Stationary Keyboard Mouse Shelf, Black	66.15
563-SA-1775-MG	SA1775-MG	Stationary Keyboard Mouse Shelf, Gray	66.15
563-KS1785-BT	KS1785-BT	19" Sliding Keyboard Mouse Shelf, Black	139.20
563-KS-1785-MG	KS1785-MG	19" Sliding Keyboard Mouse Shelf, Gray	139.20
563-KS1787-BT	KS1787-BT	23" Sliding Keyboard Mouse Shelf, Black	152.85
563-KS1787-MG	KS1787-MG	23" Sliding Keyboard Mouse Shelf, Gray	152.85
563-KS1788	KS1788	Sliding Keyboard Shelf	143.95

BUD Open Racks and Accessories

DOUBLE RACK

"Shipped Factory Direct"

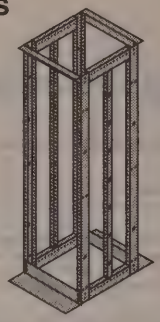
Features:
- Light weight but sturdy aluminum and steel construction
- Solid and sturdy 4-point mounting
- #12-24 tapped equipment mounting holes on EIA universal centers (5/8",5/8",1/2")
- Fixed depth members allow mounting of wiring ladder and/or cableway
- Quickly assembled with one 5/8" wrench
- Can be joined together in multiple bay configurations with optional Add-A-Rack kits (#HW-8097)
- Meets EIA-310 standards
- Floor mounting holes

Accepts all BUD open rack accessories.

MOUSER STOCK NO.	Bud Part No.	Panel Space (In.)	Dimensions (In.) H x W x D	Price Each
563-DR-8092	DR-8092	19.00 x 77.00	84.00 x 20.25 x 24.00	373.75
563-DR-8093	DR-8093	19.00 x 77.00	84.00 x 20.25 x 30.00	376.12
563-DR-8094	DR-8094	19.00 x 77.00	84.00 x 20.25 x 36.00	377.90

ADJUSTING PANEL MOUNTING RAILS

"Shipped Factory Direct"



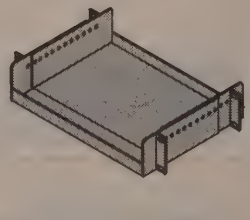
Features:
- For use on Double Racks
- Provides depth adjustability for full panel space height applications
- 75.25" (43U) of usable panel space height
- Panel mounting holes are tapped with #12-25 threads on EIA universal spacing
- Meets EIA-310 standards
- Durable Black Texture powder finish is standard.

Other finishes available upon request.

MOUSER STOCK NO.	Bud Part No.	Panel Space (In.)	Price Each		
			1	5	10
563-PMR-8088	PMR-8088	19.00 x 75.25	82.65	77.20	75.27

ADJUSTABLE SHELF

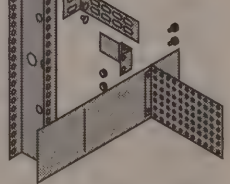
Features:
- For use primarily on Double Racks, but can also be used in most cabinet rack configurations that utilize four panel mounting rails.
- Strong all steel construction
- Depth incrementally adjustable from 24" to 30" to 36"
- Durable Black Texture powder finish is standard. Other finishes available upon request.



MOUSER STOCK NO.	Bud Part No.	Panel Dimensions (In.)	Shelf Depth (In.)	Price Each		
				1	5	10
563-SH-8096	SH-8096	19.00 x 3.50 (2-U)	24.00 - 36.00	92.35	86.30	84.13

ADJUSTING BRACKETS

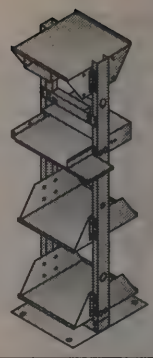
Features:
- For use primarily on Double Racks, but can also be used with any panel mounting rail application
- Provides depth adjustability up to 8.00" from panel mounting rail
- Meets EIA-310 standards
- Durable Black Texture powder finish is standard. Other finishes available upon request.



MOUSER STOCK NO.	Bud Part No.	Panel Space (In.)	Price Each		
			1	5	10
563-AB-8089	AB-8089	1.75 x 8.00	27.85	20.95	19.43

SERVER RACK ASSEMBLY

Bud's Server Rack assembly is the ideal framework for organizing your networking components. Comes complete with 23" panel width network frame, monitor shelf with switchbox compartment, power outlet strip, sliding keyboard shelf with mouse pad, and two heavy duty equipment shelves.



- All components are fully adjustable to your particular requirements.
- Shipped knockdown in one carton.
- Finish:Black

MOUSER STOCK NO.	Bud Part No.	Overall Dimensions	Price Each
563-CSR-8060	CSR-8060	24.25"W x 66.50"H x 23.00"D	751.5

CABLE MANAGEMENT RACK ASSEMBLY

BUD'S cable management rack offers all the advantages of a standard open rack plus the additional advantages of built in vertical cable management, horizontal cable trough at top of rack and your choice of either 19" or 23" panel space width.

Features:
- Extra deep 3.00" x 6.50" upright rails.
- 77.00" of usable panel space height.
- 19.00" or 23.00" panel width.
- All aluminum, bolt together, construction.
- Integral vertical and horizontal cable management.
- Complete with cable management clips and straps, and all necessary hardware, in one convenient carton
- Finish: Black

MOUSER STOCK NO.	Bud Part No.	Overall Dimensions	Price Each
563-CMR-8040	CMR-8040	86.00"H x 16.50"D x 23.75" or 27.75"W	394.5

WALL MOUNT RACK

Design Features:
These racks provide open rack provisions when floor mounting space is not available. They feature 19" wide panel space, with mounting holes tapped with #12-24 thread on E.I.A. universal spacing on both front and rear flanges. (Use #9260 screws-order separately) and are constructed of standard natural finish aluminum with metallic gray finished heavy gauge steel wall mounting brackets. Racks have been tested to 400# equipment load capacity.

MOUSER STOCK NO.	Bud Part No.	Panel Space (In.)	Depth (In.)	Price Each
563-WRR-2242	WRR-2242	42.00 x 19.00	8.00	187.8
563-WRR-2243	WRR-2243	42.00 x 19.00	12.00	198.7
563-WRR-2244	WRR-2244	42.00 x 19.00	18.00	225.5
563-WRR-2264	WRR-2264	75.25 x 19.00	18.00	292.6

SWING FRAME RACK

Design Features:
These swingframe racks offer all the conveniences of a wall mounted rack, plus the added advantage of a swing out frame for easy access to the rear of your equipment.

Features:
- Left or right hand hinge.
- #12-24 panel mounting hardware (Use #8260 screws - order separately)
- Velcro cable straps included
- 16" on center wall mounting (wall mounting hardware not included).
- 75# equipment load capacity
- Two Styles: Style A - Knockdown Assembly, Style B - Welded Assembly
- Finish: Black Texture (BT)

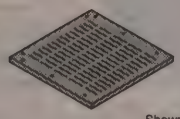
MOUSER STOCK NO.	Bud Part No.	Style	Panel Space (In.)	Dimensions (In.) H x W x D	Price Each
563-SF-2184	SF-2184	A	21.00 x 19.00	24 x 21.25 x 18	115.
563-SF-2194	SF-2194	A	35.00 x 19.00	38 x 21.25 x 18	130.
563-SF-2283	SF-2283	B	21.00 x 19.00	24 x 21.25 x 12	158.
563-SF-2284	SF-2284	B	21.00 x 19.00	24 x 21.25 x 18	186.
563-SF-2293	SF-2293	B	35.00 x 19.00	38 x 21.25 x 12	197.
563-SF-2294	SF-2294	B	35.00 x 19.00	38 x 21.25 x 18	227.

BUD Rack Mount Chassis and Accessories

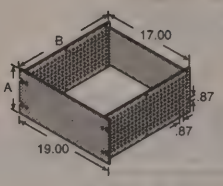
AK-MOUNT CHASSIS

panel mounting holes are punched on .87" grid to allow total flexibility in mounting of components. Rear panel y adjustable from front to rear. Standard 19" front panels feature "Surface Shield" protection which provides ce for laying out drilling and punching positions. Natural finish

ont panel: .13" thick mill finish aluminum with "Surface Shield" protection.
de and rear panels: .090" aluminum
ipped unassembled with all necessary assembly hardware



Shown with optional ventilated top



ndard Chassis

Internal Chassis

Handles

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) A	Dimensions (In.) B	Price Each 1	Price Each 2	Price Each 10
-RM-14212	RM-14212	5.25	17.06	54.10	51.14	48.70
-RM-14213	RM-14213	7.00	17.06	61.95	58.54	55.75
-RM-14214	RM-14214	8.75	17.06	74.40	70.30	66.95
-RM-14215	RM-14215	10.50	17.06	87.85	83.00	79.05
-RM-14222	RM-14222	5.25	22.00	60.95	57.59	54.85
-RM-14223	RM-14223	7.00	22.00	71.50	67.57	64.35
-RM-14224	RM-14224	8.75	22.00	87.10	82.32	78.40
-RM-14225	RM-14225	10.50	22.00	103.80	98.07	93.40

MOUSER STOCK NO.	Bud Part No.	Price Each 1	Price Each 2	Price Each 10
563-C-14242	C-14242	18.20	15.20	13.70
563-C-14243	C-14243	21.20	17.70	15.95
563-C-14244	C-14244	24.30	20.30	18.25
563-C-14245	C-14245	27.30	22.80	20.50
563-C-14242	C-14242	18.20	15.20	13.70
563-C-14243	C-14243	21.20	17.70	15.95
563-C-14244	C-14244	24.30	20.30	18.25
563-C-14245	C-14245	27.30	22.80	20.50

MOUSER STOCK NO.	Bud Part No.	Price Each 1	Price Each 2	Price Each 10
563-H-9160-B	H-9160-B	12.40	10.35	9.58
563-H-9111-B	H-9111-B	6.40	5.30	4.89
563-H-9112-B	H-9112-B	7.80	6.50	6.03
563-H-9113-B	H-9113-B	10.60	8.85	8.19
563-H-9160-B	H-9160-B	12.40	10.35	9.58
563-H-9111-B	H-9111-B	6.40	5.30	4.89
563-H-9112-B	H-9112-B	7.80	6.50	6.03
563-H-9113-B	H-9113-B	10.60	8.85	8.19

o and Bottom Covers

d top or bottom cover: .050" aluminum, natural finish. Can also be used on bottom as full depth chassis for mounting components.
tilated top or bottom cover: .050" aluminum, natural finish, .13" x .75" slots for max. ventilation.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Description	Depth (In.)	Price Each 1	Price Each 2	Price Each 10
-TBC-14252	TBC-14252	Solid top or bottom cover	17.00	29.60	24.75	22.30
-TBC-14262	TBC-14262	Ventilated top or bottom cover	17.00	33.10	27.65	24.90
-TBC-14253	TBC-14253	Solid top or bottom cover	22.00	33.60	28.10	25.30
-TBC-14263	TBC-14263	Ventilated top or bottom cover	22.00	35.50	29.70	26.75

Mounting Bracket Kit

MOUSER STOCK NO.	Bud Part No.	Price Each 1	2	10	20	50
563-MB-14273	MB-14273	30.80	23.20	21.02	20.50	Call

Two-Piece Slide

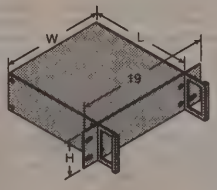
Two piece slide, 20" long with 15" travel. Supplied in pairs. Order mounting brackets separately. Requires two pairs of panel mounting rails.

MOUSER STOCK NO.	Bud Part No.	Price per Pair 1	5	10	25	50
563-AS-5002-A	AS-5002-A	35.10	31.60	28.10	27.30	Call

VALULINE SERIES

Bud series has, for years, been one of the most ested by industry. It's well styled, quality constructed, nomical, and versatile — can be used independently a standard E.I.A. 19" cabinet.

de and front panel, .090" aluminum
ase, rear, and top, .050" aluminum
andles, aluminum extrusions
des, white textured, rear and top smooth white
vo detachable 11 gauge steel rack mounting
ackets and rubber feet included
hesive-backed paper protects panels and provides rface for laying out positions for drilling or punching



thout Handles

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) L	W	H	Price Each 1	2	10	20
-NHC-14150	NHC-14150	8.00	8.50	1.75	54.70	51.71	49.25	43.75
-NHC-14151	NHC-14151	8.00	17.00	1.75	71.25	67.36	64.15	57.00
-NHC-14152	NHC-14152	13.00	17.00	1.75	84.75	80.12	76.30	67.80
-NHC-14153	NHC-14153	8.00	8.50	3.50	65.80	62.16	59.20	52.65
-NHC-14154	NHC-14154	8.00	17.00	3.50	80.50	76.07	72.45	64.40
-NHC-14155	NHC-14155	13.00	17.00	3.50	103.45	97.76	93.10	82.75
-NHC-14156	NHC-14156	13.00	17.00	5.25	121.65	114.98	109.50	97.30
-NHC-14157	NHC-14157	13.00	17.00	7.00	144.20	123.76	117.87	112.26

th Handles

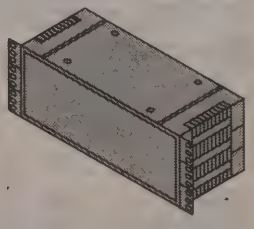
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) L	W	H	Price Each 1	2	10	20
-HC-14097	HC-14097	8.00	17.00	1.75	114.00	107.73	102.60	91.20
-HC-14098	HC-14098	13.00	17.00	1.75	127.50	120.49	114.75	102.00
-HC-14099	HC-14099	8.00	17.00	3.50	81.00	76.55	72.90	64.80
-HC-14100	HC-14100	13.00	12.75	3.50	149.50	141.28	134.55	119.60
-HC-14101	HC-14101	13.00	17.00	3.50	157.70	149.05	141.95	126.15
-HC-14102	HC-14102	13.00	12.75	5.25	162.25	153.35	146.05	129.80
-HC-14103	HC-14103	13.00	17.00	5.25	162.60	153.67	146.35	130.10
-HC-14104	HC-14104	13.00	17.00	7.00	170.70	161.33	153.65	136.55
-HC-14105	HC-14105	13.00	17.00	8.75	178.85	169.00	160.95	143.10
-HC-14106	HC-14106	13.00	17.00	10.50	187.05	176.77	168.35	149.65
-HC-14107	HC-14107	15.00	17.00	10.50	200.05	189.05	180.05	160.05
-HC-14108	HC-14108	15.00	17.00	12.25	223.85	211.52	201.45	179.10
-HC-14109	HC-14109	15.00	17.00	14.00	235.95	222.97	212.35	188.75

PLASTIC RACKMOUNT BOX

Features:

- Usable in either a desktop or a rackmount configuration.
- 19" rack mountable EIA standards
- Available in three popular heights: 1-U, 2-U, and 3-U
- Fully ventilated side panels provide maximum cooling of internal components
- Internal PCB mounting bosses
- Black ABS plastic, UL94-HB flammability rating

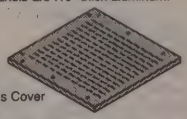


For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) H x W	Price Each 1	5	10	25
563-PRM-14460	PRM-14460	1.75 x 8.00 (1-U)	31.60	26.35	24.89	23.70
563-PRM-14462	PRM-14462	3.50 x 8.00 (2-U)	41.00	34.20	32.34	30.80
563-PRM-14464	PRM-14464	5.25 x 8.00 (3-U)	55.50	46.30	43.73	41.65

SMALL ALUMINUM RACK MOUNT CHASSIS & COVERS

Five sizes of aluminum rack mount chassis. 1U and 2U versions, in three different depths. Adaptable for slide mounting. Requires two pairs of panel mounting rails when used with slides. Panels are .10" thick aluminum. Chassis are .05" thick aluminum.



Small Rack Mount Chassis

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) A	B	C	D	Price Each 1	5	10	25
563-CH-14400	CH-14400	4.00	17.00	19.00	1.80	27.90	23.31	21.47	19.52
563-CH-14401	CH-14401	8.00	17.00	19.00	1.80	41.60	34.75	32.01	29.10
563-CH-14402	CH-14402	16.00	17.00	19.00	1.80	60.00	50.15	46.20	42.00
563-CH-14403	CH-14403	8.00	17.00	19.00	3.50	61.40	51.25	47.30	43.00
563-CH-14404	CH-14404	16.00	17.00	19.00	3.50	78.80	65.80	60.67	55.15

Small Rack Mount Chassis Covers

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Description	Price Each 1	5	10	25
563-C-14430	C-14430	4" x 17" Ventilated cover	9.80	8.20	7.54	6.85
563-C-14440	C-14440	4" x 17" Solid cover	7.20	6.00	5.56	5.05
563-C-14431	C-14431	8" x 17" Ventilated cover	16.50	13.80	12.76	11.60
563-C-14441	C-14441	8" x 17" Solid cover	11.40	9.50	8.80	8.00
563-C-14432	C-14432	16" x 17" Ventilated cover	26.40	22.05	20.35	18.50
563-C-14442	C-14442	16" x 17" Solid cover	19.40	16.20	14.96	13.60

BUD Rack and Cabinet Accessories

10" EXHAUST FAN

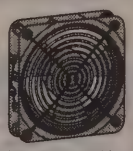
Fan mounts in the top of ventilated Economizer racks. Supplied with finger guard and all mounting hardware. 36" power cord supplied. UL/CSA rated with 535 CFM air flow.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each			
		1	5	10	25
563-FN-1282	FN-1282	134.70	125.70	122.58	116.74

4.5" EXHAUST FAN

Fan mounts in FT-1170 Fan Tray or can be used individually in other applications. Supplied with one hardware cloth finger guard. UL approved.



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each			
		1	5	10	25
563-FN-1280	FN-1280	37.50	30.97	28.15	24.38

FAN TRAY ASSEMBLY

Includes:

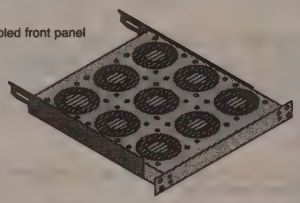
- 9-position fan tray with preassembled front panel
- 9-outlet daisy chain cord
- 6 foot power cord

Material:

- Fan tray and support angles: 16-gauge steel
- Front panel: 12-gauge steel

Finish:

- Fan tray and front panels: white texture or metallic gray



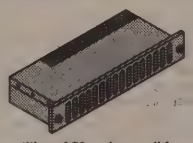
Use with Bud Fans/FN-1280

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each			
		1	5	10	25
563-FT-1170-WH	FT-1170-WH	176.65	164.85	160.73	153.08
563-FT-1170-MG	FT-1170-MG	176.65	164.85	160.73	153.08

BLOWERS

The lowest silhouette height with the highest CFM output in the industry. Blowers exit air out the back; also, up and out of the top of racks, cabinets or consoles.



For quantities of 50 and up, call for quote.

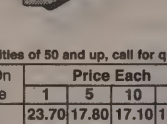
MOUSER STOCK NO.	Bud Part No.	Panel Height (In.)	Air CFM	Price Each			
				1	2	10	20
563-B-25-A	B-25-A	5.25	350/215	457.90	440.17	427.35	396.83
563-B-60	B-60	3.50	160.00	470.66	448.25	426.90	406.58
563-B-62	B-62	5.25	300.00	438.08	460.07	438.17	417.30

TEM-STAT TEMPERATURE CONTROLS

Prevent shut-downs caused by over-heating of electronic or electrical equipment in enclosures. Units react quickly to gradual or sudden temperature changes. UL and CSA listed.

Temperature range: 80°F - 170°F, accuracy: ±8°F

Cycles	Full Load Amps	Locked Rotor Amps	Pilot Duty VA	Volts
6,000	5.0	35.0	- - -	12VDC
30,000	6.0	36.0	- - -	120VAC
30,000	3.0	18.0	- - -	240VAC
100,000	4.0	24.0	125	120VAC
100,000	2.0	12.0	125	240VAC



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Contacts Normally	Contacts On Temp. Rise	Price Each			
				1	5	10	25
563-TS-15	TS-15	Open	Closed	23.70	17.80	17.10	16.60
563-TS-22	TS-22	Closed	Open	23.70	17.80	17.10	16.60

STEM LEVELERS

Nickel plated steel. 3/8-16 thread. 563-RL-7767 furnished with 2 height adjusting nuts.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Base	Price Each			
			1	5	10	25
563-RL-7767	RL-7767	Nylon	4.00	3.30	3.11	2.99
563-RL-7771	RL-7771	Rubber	3.10	2.60	2.43	2.34

EQUIPMENT MOUNTING SCREWS

10-32 x .62" Phillips steel machine screw. For mounting panels

MOUSER STOCK NO.	Bud Part No.	Price Each		
		1	100	500
563-7346	7346	.10	.08	.07

CASTERS

Casters are priced, sold, and packaged as pairs with all necessary mounting hardware included.

Extra-Heavy Duty

For Series 60 and Economizer cabinet racks. Ball-bearing wheels made of hard tread composition. Height: 3.25".

Extra-Heavy Duty

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Load Rating	Price Per Pair			
			1	5	10	25
563-RC-7758	RC-7758	200 lbs.	28.60	21.45	19.52	18.59

Ball-Bearing, Swivel Type

Wheels hard tread rubber 4" in diameter x 1.25" wide. Available with or without side brake. Increase overall height of cabinet by approximately 4".

Ball-Bearing, Swivel Type

For quantities of 50 and up, call for quote.

With Locking Brake						
563-RC-7761	RC-7761	240 lbs.	67.40	50.55	46.00	43.81
Without Locking Brake						
563-RC-7762	RC-7762	240 lbs.	58.30	43.75	39.80	37.90

RUBBER AND PLASTIC FEET

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Bud Part No.	Description	Price Each			
			1	10	100	2
563-F-3581	F-3581	.50" sq. x .21" high rubber feet with self-adhesive backing	.32	.30	.25	.2
563-F-3599	F-3599	.81" sq. x .31" high rubber feet with self-adhesive backing	.40	.33	.30	.2
563-F-7264-A	F-7264-A	.75" dia. x .37" high plastic feet with mounting hardware	.60	.50	.45	.4
563-F-7800-A	F-7800-A	.87" dia. x .50" high plastic feet with mounting hardware	.60	.50	.45	.4
563-F-8038	F-8038	.75" dia. x .12" thick self-adhesive rubber pad	.16	.13	.12	.1
563-F-9653	F-9653	Press-fit rubber feet fit into .43" dia. hole.	.32	.30	.25	.2

HINGED PATCH PANEL BRACKETS

Design Features:

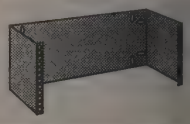
These wall or rack mounted brackets accommodate all popular patch panel sizes and allow ready access to the rear of the panel.

Features:

- Wall or 19" rack mountable.
- Heavy duty 16 gauge steel construction.
- Welded on heavy duty hinge.
- EIA spaced panel mounting holes.
- Three cable access knockouts in back panel.

Finish:

Black Texture (BT)



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Depth	Panel Space	Price Per Pair			
				1	5	10	25
563-HWB-1790	HWB-1790	5.00	3.50	33.80	25.40	23.07	21.97
563-HWB-1791	HWB-1791	5.00	5.25	40.20	30.20	27.44	26.12
563-HWB-1792	HWB-1792	5.00	7.00	45.10	33.90	30.79	29.32
563-HWB-2790	HWB-2790	8.00	3.50	32.10	30.50	29.21	27.82
563-HWB-2791	HWB-2791	8.00	5.25	35.25	33.50	32.08	30.55
563-HWB-2792	HWB-2792	8.00	7.00	39.90	37.90	36.31	34.58

STANDARD PANELS

"Surface Shield" Panels, SFA Series Mill finish .18" thick aluminum alloy. White pressure-sensitive paper on one side protects and provides surface for laying out drilling or punching position

Standard Aluminum Panels, PA Series .12" aluminum alloy

There three colors available. Replace the (-__) with:
WH for White Texture
MG for Metallic Gray
BT for Black Texture

Steel Panel, PS Series, 11 gauge steel

There two colors available. Replace the (-__) with:
WH for White Texture
MG for Metallic Gray

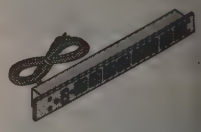
For all cabinets, cabinet racks, relay racks small enclosures, where applicable. 19" W

For quantities of 5 and up, call for q

Panel Height (In.)	MOUSER STOCK NO.	Bud Part No.	Price Each	MOUSER STOCK NO.	Bud Part No.	Price Each	MOUSER STOCK NO.	Bud Part No.	P E
1.75	563-SFA-1831	SFA-1831	9.50	563-PA-1101-__	PA-1101-__	10.35	563-PS-1250-__	PS-1250-__	1
3.50	563-SFA-1832	SFA-1832	13.90	563-PA-1102-__	PA-1102-__	14.40	563-PS-1251-__	PS-1251-__	1
5.25	563-SFA-1833	SFA-1833	17.80	563-PA-1103-__	PA-1103-__	19.70	563-PS-1252-__	PS-1252-__	2
7.00	563-SFA-1834	SFA-1834	22.80	563-PA-1104-__	PA-1104-__	24.50	563-PS-1253-__	PS-1253-__	2
8.75	563-SFA-1835	SFA-1835	25.00	563-PA-1105-__	PA-1105-__	29.70	563-PS-1254-__	PS-1254-__	2
10.50	563-SFA-1836	SFA-1836	32.40	563-PA-1106-__	PA-1106-__	37.70	563-PS-1255-__	PS-1255-__	3
12.25	563-SFA-1837	SFA-1837	37.50	563-PA-1107-__	PA-1107-__	41.40	563-PS-1256-__	PS-1256-__	3
14.00	563-SFA-1838	SFA-1838	42.40	563-PA-1108-__	PA-1108-__	46.10	563-PS-1257-__	PS-1257-__	4
15.75	563-SFA-1839	SFA-1839	47.80	563-PA-1109-__	PA-1109-__	51.20	563-PS-1258-__	PS-1258-__	4
17.50	563-SFA-1840	SFA-1840	52.60	563-PA-1110-__	PA-1110-__	52.35	563-PS-1259-__	PS-1259-__	4
19.25	563-SFA-1841	SFA-1841	58.40	563-PA-1111-__	PA-1111-__	55.25	563-PS-1260-__	PS-1260-__	5
21.00	563-SFA-1842	SFA-1842	63.90	563-PA-1112-__	PA-1112-__	57.45	563-PS-1261-__	PS-1261-__	5

RACKMOUNT POWER OUTLET STRIPS

- Standard 19" EOA rack mountable
- Utilizes 1U (1.75") panel height
- Lighted power switch
- Black steel housing
- UL recognized
- Surge suppressed
- 15 Amp, 125 Volt rating
- 15 foot power cord
- 8 outlets

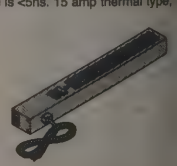


For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Description	Price Each			
			1	2	10	20
563-POS-194-S	POS-194-S	Rear Outlet Location	49.50	45.52	44.19	42.90
563-POS-195-S	POS-195-S	Front Outlet Location	49.50	45.52	44.19	42.90

SURGE SUPPRESSED POWER OUTLET STRIPS

Provides protection to data or word processing equipment and other sensitive electrical equipment from sudden spikes or high energy volta Prevents equipment damage, lost or distorted data. Maximum surge current is 13000 amps, response time is <5ns. 15 amp thermal type, circuit breaker with reset. 14 gauge, 3 wire, 6 foot power cord, all components U.L. approved.



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	No. of Outlets	Length (In.)	Price Each			
				1	2	10	20
563-POS-4-S	POS-4-S	4	17.50	99.70	91.65	88.98	86.39
563-POS-66	POS-66	6	12.25	76.55	70.41	68.36	66.37
563-POS-7-S	POS-7-S	7	48.00	99.70	91.65	88.98	86.39
563-POS-9-S	POS-9-S	9	60.00	107.80	99.10	96.21	93.41
563-POS-11-S	POS-11-S	11	72.00	113.55	104.40	101.36	98.41

BUD Stationary Shelves and Accessories

TOOL-LESS SHELF

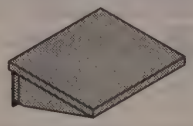
NEW FROM SUPPLIER

made out of heavy duty 16 gauge steel, with 12 gauge steel
ng brackets. Finished in durable smooth black powder coat.
ng brackets attach to Bud standard panel mounting rails with
thumbscrews. Shelf inserts into brackets for a solid and secure
ng surface for up to 150# of equipment. Shelf installs in less
minutes without requiring any additional tools or hardware.
r 19" panel width cabinet/rack installations requiring frequent
ent relocations.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.)		Price Each			
		Depth	Width	1	5	10	25
SH-1730	SH-1730	23.00	17.68	83.75	78.10	72.54	72.54

SHELF ASSEMBLY



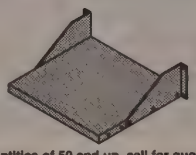
attached over panel or direct to panel, or to panel
ng rails. Overall height 7"

are two colors available,
the (__) in the part number with:
Royal Blue or **GT** for **Gray Textured**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.)		Price Each			
		Depth	Width	1	5	10	25
SA-1719-__	SA-1719-__	16.00	22.00	84.23	78.61	75.80	73.00
SA-1720-__	SA-1720-__	20.00	22.00	84.98	79.31	76.48	73.65

ADJUSTABLE SHELF, OPEN RACK



ack shelves fit 19" and 23" wide panel spaces. Shelves
gauge steel and are flanged for added support. Shelves
justable for depth within rack and come with all mounting
ts and hardware.

are two colors available,
the (__) in the part number with:
Black Textured or **MG** for **Metallic Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.)		Price Each			
		Depth	Width	1	5	10	25
SA-1278-__	SA-1278-__	16.00	17.62	75.75	70.70	68.18	65.65
SA-1279-__	SA-1279-__	20.00	17.62	81.68	76.23	73.51	70.79
SA-1378-__	SA-1378-__	16.00	21.62	87.90	82.04	79.11	76.18
SA-1379-__	SA-1379-__	20.00	21.62	96.90	90.44	87.21	83.98

OPEN RACK SHELF

mounted shelf mounts between the upright rails of all
d 19" or 23" panel width open racks. Offered in ventilated
n-ventilated versions, shelf is 19" deep and 5.25" high.
d 16-gauge steel construction. Supports 200 lbs.

are two colors available,
e the (__) in the part number with:
Black Textured or **MG** for **Metallic Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Panel Width (In.)	Version	Price Each			
				1	5	10	25
SA-1765-__	SA-1765-__	19.00	Non-Ventilated	69.60	64.96	62.64	60.32
SA-1766-__	SA-1766-__	19.00	Ventilated	80.48	75.11	72.43	69.75
SA-1767-__	SA-1767-__	23.00	Non-Ventilated	74.03	69.09	66.62	64.16
SA-1768-__	SA-1768-__	23.00	Ventilated	83.33	77.77	74.99	72.22

OPEN RACK MONITOR SHELF

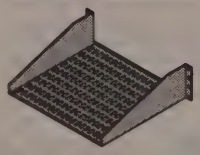
ep heavy gauge steel shelf mounts to any
23" panel width open rack. Includes 4" high
" wide integrated switch box compartment.
rts 200 Lbs. Includes all mounting hardware.

are two colors available,
the (__) in the part number with:
Black Textured or **MG** for **Metallic Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Panel Width (In.)	Price Each			
			1	5	10	25
SA-1796-__	SA-1796-__	19.00	82.58	77.07	74.32	71.57
SA-1798-__	SA-1798-__	23.00	88.43	77.77	74.99	72.22

EQUIPMENT SHELF-OPEN RACK



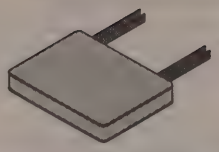
ack shelves fit 19" and 23" wide panel spaces and 5.25" panel
Shelves are one-piece, 16 gauge steel and are flanged for
support. They are offered in non-ventilated and ventilated
s, and include all mounting hardware. Supports 150 lbs.

are two colors available,
the (__) in the part number with:
Black Textured or **MG** for **Metallic Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Type	Dim. (In.)		Price Each			
			Depth	Width	1	5	10	25
SA-1750-__	SA-1750-__	Non-Ventilated	15.00	17.62	55.20	51.52	49.93	47.84
SA-1751-__	SA-1751-__	Ventilated	15.00	17.62	60.30	56.28	54.27	52.26
SA-1752-__	SA-1752-__	Non-Ventilated	20.00	17.62	66.00	61.60	59.40	57.20
SA-1753-__	SA-1753-__	Ventilated	20.00	17.62	71.55	66.78	64.40	62.01
SA-1754-__	SA-1754-__	Non-Ventilated	15.00	21.62	57.98	54.11	52.18	50.25
SA-1755-__	SA-1755-__	Ventilated	15.00	21.62	64.50	60.20	58.05	55.90
SA-1756-__	SA-1756-__	Non-Ventilated	20.00	21.62	71.18	66.43	64.06	61.69
SA-1757-__	SA-1757-__	Ventilated	20.00	21.62	72.68	67.43	65.41	62.99

ECONOMIZER™ DESK TOP

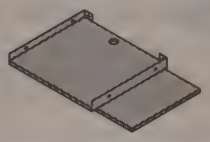


Design Features:
Supports 200 pounds. Easy to install: Just bolt pre-slotted, adjustable support channels to cabinet racks mounting rails. Fits all cabinet depths. 18.00" deep, plastic laminated top. Requires two pairs of panel mounting rails per cabinet rack.
Finish: Antique White

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.)		Price Each			
		Depth	Width	1	5	10	25
563-DT-17400	DT-17400	18.00	22.00	260.60	243.20	237.10	225.81

STATIONARY KEYBOARD/MOUSE SHELF



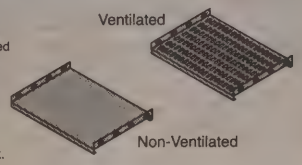
Heavy gauge steel shelf mounts to any 19" panel width open rack. Comes with 9"x7" mouse tray that can be bolted on to either the left or right hand side of the shelf. Takes up 1-U (1.75") of panel space. Includes Mounting hardware.

There are two colors available,
replace the (__) in the part number with:
BT for **Black Textured** or **MG** for **Metallic Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Panel Width (In.)	Price Each			
			1	5	10	25
563-SA-1775-__	SA-1775-__	19	64.20	59.92	57.78	55.64

STATIONARY SHELVES

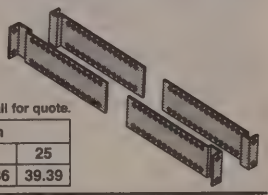


Stationary shelves, available in ventilated and non-ventilated versions, fit 19" wide panel spaces and all cabinet depths. Shelves are one-piece, 16-gauge steel with flanged front and rear to support up to 200 lbs. All shelves come with necessary mounting hardware. Additional brackets are furnished to allow flexibility in mounting. Shelves allow sufficient room in rear for cables and power outlet strips. Requires two pairs of panel mounting rails per cabinet rack.
Finish: Smooth Black

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Cabinet Racks: Panel Width (In.)	Cabinet Racks: Max Clear Inside Depth	Shelves: Width (In.)	Shelves: Depth (In.)	Price Each			
						1	5	10	25
Ventilated									
563-SH-2383	SH-2383	19.00	17.00	17.90	14.25	59.55	55.58	53.60	51.61
563-SH-2384	SH-2384	19.00	20.50	17.90	17.75	62.40	58.24	56.16	54.08
563-SH-2385	SH-2385	19.00	24.00	17.90	21.25	64.73	60.41	58.25	56.10
563-SH-2386	SH-2386	19.00	29.25	17.90	26.50	70.13	65.45	63.11	60.78
Non-Ventilated									
563-SH-2379	SH-2379	19.00	17.00	17.90	14.25	57.15	53.34	51.44	49.53
563-SH-2380	SH-2380	19.00	20.50	17.90	17.75	59.55	55.58	53.60	51.61
563-SH-2381	SH-2381	19.00	24.00	17.90	21.25	62.55	58.38	56.30	54.21
563-SH-2382	SH-2382	19.00	29.25	17.90	26.50	66.98	62.51	60.28	58.05

SHELF ADAPTER BRACKETS

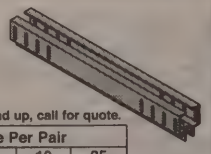


Sturdy heavy gauge steel construction. Allows standard stationary shelves to be mounted in cabinet having panel mounting rails without an accessory flange (L-shaped panel mounting rails)
Finish: Black

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Height (In.)	Price Each			
			1	5	10	25
563-AB-2375	AB-2375	1.75	60.60	45.50	41.36	39.39

STANDARD PANEL MOUNTING RAILS



- 12 Gauge Steel
- Sold in pairs
- Finish: Black
- Rail Mounting Hardware included (Equipment Mounting Screws sold separately: Mouser No. 563-7346)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fits Cabinet Rack w/Panel Space (In.)	Price Per Pair			
			1	5	10	25
563-PMR-9448	PMR-9448	21.00	54.15	50.54	48.74	46.93
563-PMR-2331	PMR-2331	24.50	51.20	47.80	46.62	44.40
563-PMR-9449	PMR-9449	31.50	61.65	57.54	55.49	53.43
563-PMR-9450	PMR-9450	42.00	66.83	62.37	60.14	57.92
563-PMR-9451	PMR-9451	52.50	74.03	69.09	66.62	64.16
563-PMR-9452	PMR-9452	61.25	82.80	77.28	74.52	71.76
563-PMR-9453	PMR-9453	71.00	90.53	84.49	81.47	78.46
563-PMR-9454	PMR-9454	78.75	96.00	89.60	86.40	83.20

L-SHAPED PANEL MOUNTING RAILS

- Installation of most servers
- Fits in all Bud cabinets
- E.I.A spaced holes use cage nuts (ordered separately) for secure equipment mounting
- Will accept all 19" E.I.A. rack mountable equipment
- Cage nuts: #12-24 (Mouser No. 563-307) or M6 (Mouser No. 563-851-DLH)
- Four rails per pkg.

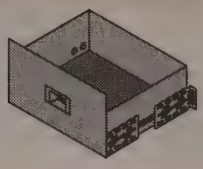
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fits Cabinet Rack w/Panel Space (In.)	Price Per Pkg.			
			1	5	10	25
563-PMR-9483	PMR-9483	70	152.18	142.03	136.96	131.89
563-PMR-9484	PMR-9484	78.75	161.10	150.36	144.99	139.62

BUD Sliding Drawers, Shelves and Accessories

SLIDING DRAWER

Fits cabinets with 19" panel width. Front panel height, 8.75". Supports heavy loads even when fully extended. Requires two pairs of panel mounting rails per cabinet rack.



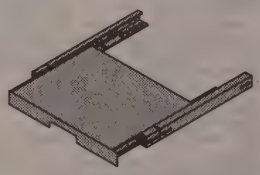
There are three colors available, replace the (__) in the part number with: **WH** for **White Textured**, **BT** for **Black Textured**, or **MG** for **Metallic Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Inside Dimensions (In.)	Price Each			
			1	5	10	25
563-D-1722-__	D-1722-__	16.56 x 6.31 x 16.18	193.95	181.02	174.56	168.09
563-D-1723-__	D-1723-__	16.56 x 6.31 x 19.18	201.38	187.95	181.24	174.53

SLIDING DESKTOP

Requires only 1.75" panel space. Working area, 12" x 15.75". Supports 50 lbs., plastic laminated surface. Ball-bearing slide mechanism. Locks in open position. Top surface is antique white. Requires two pairs of panel mounting rails per cabinet rack.



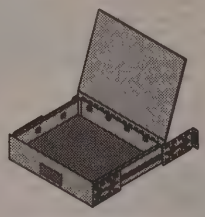
Three panel finishes available, replace the (__) in the part number with: **WH** for **White Textured**, **BT** for **Black Textured**, or **MG** for **Metallic Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Surface Width	Area Depth (In.)	Panel (In.)	Price Each			
					1	5	10	25
563-60-2361-__	60-2361-__	15.75	15.37	19 x 1.75	132.95	124.05	120.94	115.18

DESK TOP DRAWER

Front panel height, 3.5". Hinged drawer top has plastic laminate bonded to aluminum. Requires two pairs of panel mounting rails per cabinet rack. Supports 92 lbs.



There are three colors available, replace the (__) in the part number with: **WH** for **White Textured**, **BT** for **Black Textured**, or **MG** for **Metallic Gray**

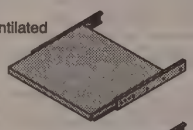
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Inside Dimensions (In.)	Price Each			
			1	5	10	25
563-DD-2363-__	DD-2363-__	16.87 x 13.87 x 3	257.80	235.00	229.12	218.21

SLIDING SHELVES

Sliding shelves, available in ventilated and non-ventilated versions, fit 19" wide panel spaces and all cabinet rack depths. Shelves 16-gauge steel and flanged on all four sides for added support. Universal mounting brackets allow flexibility in mounting. Shelves allow sufficient room in rear for cables and power outlet strips. Requires two pairs of panel mounting rails per cabinet rack. Finish: Smooth Black

Non-Ventilated



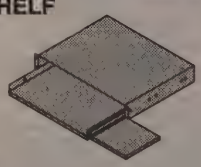
Ventilated

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Panel Width (In.)	Max Clear Inside Depth (In.)	Width (In.)	Depth (In.)	Travel (In.)	Price Each			
							1	5	10	25
Ventilated		Cabinet Racks		Shelves						
563-SH-2391	SH-2391	19.00	17.00	17.90	14.25	8.00	94.85	98.60	86.40	82.29
563-SH-2392	SH-2392	19.00	20.50	17.90	17.75	12.00	101.60	94.90	92.55	88.14
563-SH-2393	SH-2393	19.00	24.00	17.90	21.25	15.00	100.70	99.70	97.19	92.56
563-SH-2394	SH-2394	19.00	29.25	17.90	26.50	19.00	115.20	107.60	104.91	99.91
Non-Ventilated		Cabinet Racks		Shelves						
563-SH-2387	SH-2387	19.00	17.00	17.90	14.25	8.00	93.20	87.10	84.90	80.86
563-SH-2388	SH-2388	19.00	20.50	17.90	17.75	12.00	94.90	93.30	90.98	86.65
563-SH-2389	SH-2389	19.00	24.00	17.90	21.25	15.00	105.00	98.05	95.02	91.07
563-SH-2390	SH-2390	19.00	29.25	17.90	26.50	19.00	113.45	106.00	103.33	98.41

SLIDING KEYBOARD/MOUSE SHELF

Sliding keyboard shelf fits 19" and 23" panel width racks. Mouse pad slides out from underneath the shelf in either the right or left side. Takes up 2-U (3.5") of panel space. Includes all mounting hardware.



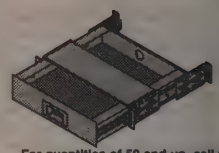
There are two colors available, replace the (__) in the part number with: **BT** for **Black Textured** or **MG** for **Metallic Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Panel Width (In.)	Max. Keyboard Width (In.)	Price Each			
				1	5	10	25
563-KS-1785-__	KS-1785-__	19.00	16.50	139.20	125.33	113.78	108.36
563-KS-1787-__	KS-1787-__	23.00	20.50	152.85	137.58	124.97	119.02

SLIDING KEYBOARD SHELF

Sliding shelf fits into any 19" panel width cabinet or rack yet still accepts all standard PC and most custom keyboards up to 23" wide. Ample storage space for keyboards, mouse and manuals. Convenient adjustable mouse and/ or notepad panel. Finish: Black



For quantities of 50 and up, call for q

MOUSER STOCK NO.	Bud Part No.	Panel Width (In.)	Max. Keyboard Width (In.)	Price Each			
				1	5	10	2
563-KS-1788	KS-1788	19.00	23.00	143.95	134.45	131.11	12

SLIDING MECHANISMS

Each of these zinc plated, alloy steel telescoping and linear motion mechanisms consists of an outer member, inner member, ball retainer and ball bearings. All types offer a smooth, precise telescoping movement with long service life. Requires two pairs of panel mounting rails per cabinet rack.

Two-Piece Slide

3/4 extension, front disconnect, positive stop Max. chassis width 2.00" less than rack panel width, when used with BAS-5106 Slide Mounting Bracket Kit.

For quantities of 50 and up, call for q

MOUSER STOCK NO.	Bud Part No.	Slide Length (In.)	Travel (In.)	*Load Rating (lbs.)	Price per Pair			
					1	5	10	2
563-AS-5000-A	AS-5000-A	12.00	8.00	140	25.47	22.90	20.35	1
563-AS-5001-A	AS-5001-A	16.00	12.00	120	33.48	30.15	26.80	2
563-AS-5002-A	AS-5002-A	20.00	15.00	92	35.07	31.60	28.10	2
563-AS-5004-A	AS-5004-A	26.00	19.00	70	38.74	34.90	31.00	3

* Load rating shown in table is "per pair"

Three-Piece Slide

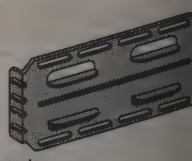
Full extension, front disconnect, positive stop. Max. chassis width 2.75" lass than rack panel width, when used with BAS-5106 Slide Mounting Bracket Kit.

For quantities of 50 and up, call for q

MOUSER STOCK NO.	Bud Part No.	Slide Length (In.)	Travel (In.)	*Load Rating (lbs.)	Price per Pair			
					1	5	10	2
563-AS-5042-A	AS-5042-A	20.00	20.87	91.00	75.99	68.40	60.80	5

SLIDE MOUNTING BRACKET KIT

Recommended for two-piece slides subject to maximum chassis width as shown above. It is easier to assemble. Allows slides to be mounted to panel mounting surface or accessory flange of panel mounting rails.

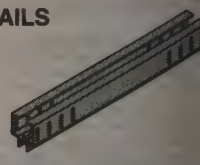


For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each			
		1	5	10	25
563-BAS-5106	BAS-5106	30.20	22.55	20.05	19.63

STANDARD PANEL MOUNTING RAILS

- 12 Gauge Steel
- Sold in pairs
- Finish: Black
- Rail Mounting Hardware included (Equipment Mounting Screws sold separately: Mouser No. (563-7346)



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fits Cabinet Rack w/Panel Space (In.)	Price Per Pair			
			1	5	10	25
563-PMR-9448	PMR-9448	21.00	54.15	50.54	48.74	46.93
563-PMR-2331	PMR-2331	24.50	51.20	47.80	46.62	44.40
563-PMR-9449	PMR-9449	31.50	61.65	57.54	55.49	53.43
563-PMR-9450	PMR-9450	42.00	66.83	62.37	60.14	57.92
563-PMR-9451	PMR-9451	52.50	74.03	69.09	66.62	64.16
563-PMR-9452	PMR-9452	61.25	82.80	77.28	74.52	71.76
563-PMR-9453	PMR-9453	71.00	90.53	84.49	81.47	78.46
563-PMR-9454	PMR-9454	78.75	96.00	89.60	86.40	83.20

L-SHAPED PANEL MOUNTING RAILS

- Installation of most servers
- Fits in all Bud cabinets
- E.I.A spaced holes use cage nuts (ordered separately) for secure equipment mounting
- Will accept all 19" E.I.A. rack mountable equipment
- Cage nuts: #12-24 (Mouser No. 563-307) or M6 (Mouser No. 563-581-DLH)
- 4 rails per pkg.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fits Cabinet Rack w/Panel Space (In.)	Price Per Pkg.			
			1	5	10	25
563-PMR-9483	PMR-9483	70	153.95	132.55	125.85	119.86
563-PMR-9484	PMR-9484	78.75	163.05	146.75	133.80	126.95

HAMMOND MANUFACTURING

KNOCKDOWN RACKS

ures:

vy duty 16 gauge steel top, bottom, and sides
a are made of 10 gauge steel finished
lack powder paint
l is shipped complete with 4 infinitely
stable (front to back) combination rails
s round hole punched for 10-32 screws
udes 4 leveling feet
pped in a flat pack container for damage-free receipt
ple assembly using one bolt in each corner
ck the sides to the top and bottom

l Width: 21.34"
Width: 19"
Depth: 24.5"

pped Factory Direct"

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.				Dimensions (IN)			Price Each
Textured Black		Textured Beige		H	Panel Height		
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.		Inches	Units	1
—	REFK1903524BK1	546—	REFK1903524CG1	40.19	35.00	20	370.17
—	REFK1904224BK1	546—	REFK1904224CG1	47.19	42.00	24	398.09
—	REFK1904924BK1	546—	REFK1904924CG1	54.19	49.00	28	453.98
—	REFK1905624BK1	546—	REFK1905624CG1	61.19	56.00	32	481.90
—	REFK1906324BK1	546—	REFK1906324CG1	68.19	63.00	36	502.87
—	REFK1907024BK1	546—	REFK1907024CG1	75.19	70.00	40	558.75
—	REFK1907724BK1	546—	REFK1907724CG1	82.19	78.75	45	583.89

DOORS FOR KNOCKDOWN RACKS

Features:

- Flush mount
- Features lockable latch and spring loaded pins for instant installation or removal
- Allows full access to space between panel rails when open
- Constructed from 18 gauge steel
- Finish matches "REFK" type rack in baked powder paint
- Solid door is reversible right or left opening (by inverting door)
- Louvered door opens right hand only with louvers facing down

"Shipped Factory Direct"

Solid Flush Door

Louvered Door

Solid Flush Door

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.				Dimensions (IN)			Price Each
Textured Black		Textured Beige		H	Panel Height		
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.		Inches	Units	1
546—	RSDF19035BK1	546—	RSDF19035CG1	REFK1903524	35.00	20	97.78
546—	RSDF19042BK1	546—	RSDF19042CG1	REFK1904224	42.00	24	115.26
546—	RSDF19049BK1	546—	RSDF19049CG1	REFK1904924	49.00	28	127.79
546—	RSDF19056BK1	546—	RSDF19056CG1	REFK1905624	56.00	32	139.68
546—	RSDF19063BK1	546—	RSDF19063CG1	REFK1906324	63.00	36	148.09
546—	RSDF19070BK1	546—	RSDF19070CG1	REFK1907024	70.00	40	156.45
546—	RSDF19077BK1	546—	RSDF19077CG1	REFK1907724	77.00	44	169.03

Louvered Door

For quantities of 2 and up, call for quote.

546—	RSDL19035BK1	546—	RSDL19035CG1	REFK1903524	35.00	20	110.86
546—	RSDL19042BK1	546—	RSDL19042CG1	REFK1904224	42.00	24	126.68
546—	RSDL19049BK1	546—	RSDL19049CG1	REFK1904924	49.00	28	142.57
546—	RSDL19056BK1	546—	RSDL19056CG1	REFK1905624	56.00	32	156.14
546—	RSDL19063BK1	546—	RSDL19063CG1	REFK1906324	63.00	36	169.70
546—	RSDL19070BK1	546—	RSDL19070CG1	REFK1907024	70.00	40	181.02
546—	RSDL19077BK1	546—	RSDL19077CG1	REFK1907724	77.00	44	192.35

HAMMOND MANUFACTURING

ACCESSORIES FOR KNOCKDOWN RACKS

For quantities of 5 and up, call for quote.

OUSER STOCK NO.		Description	Price Each
	Mfr. Part No.		
—	1425P	Light Duty Casters, 400-lb, set of 4	24.52
—	1425PHD	Heavy Duty Casters, 600-lb, set of 4	46.22
—	CCR35TZPL	35" Panel Rails, pair (2 pr.incl. with rack)	60.00
—	CCR42TZPL	42" Panel Rails, pair (2 pr.incl. with rack)	63.77
—	7350D	Aluminum Chassis, 3.5"	24.29
—	7-525D	Aluminum Chassis, 5.25"	25.97

els

ccessory pages for a complete listing of panels.

For quantities of 5 and up, call for quote.

OUSER STOCK NO.		Description	Price Each
	Mfr. Part No.		
—	PBPA19001BK2	19" Aluminum, 1.75" H, Black	8.66
—	PBPA19003BK2	19" Aluminum, 3.50" H, Black	12.76
—	PBPA19005BK2	19" Aluminum, 5.25" H, Black	18.22
—	PBPA19007BK2	19" Aluminum, 7.00" H, Black	22.77
—	PBPA19001CG2	19" Aluminum, 1.75" H, Beige	8.66
—	PBPA19003CG2	19" Aluminum, 3.50" H, Beige	12.76
—	PBPA19005CG2	19" Aluminum, 5.25" H, Beige	18.22
—	PBPA19007CG2	19" Aluminum, 7.00" H, Beige	22.77
—	PBPA19001UNF	19" Aluminum, 1.75" H, Unfinished	8.66
—	PBPA19003UNF	19" Aluminum, 3.50" H, Unfinished	12.76
—	PBPA19005UNF	19" Aluminum, 5.25" H, Unfinished	18.22
—	PBPA19007UNF	19" Aluminum, 7.00" H, Unfinished	22.77

lves, Drawers and Slides

ccessory pages for a complete listing of shelves.

For quantities of 5 and up, call for quote.

OUSER STOCK NO.		Description	Price Each
	Mfr. Part No.		
—	DNDMS19BK1	Solid Dual Modem Shelf, 19"	56.39
—	DNDMV19BK1	Vented Dual Modem Shelf, 19"	56.39
—	RASU190515BK1	Solid Rack Mount Shelf, 19"	60.59
—	RASV190515BK1	Vented Rack Mount Shelf, 19"	68.43
—	RFUS1918BK1	Solid Rail Mount Shelf, 19"	35.84
—	RFVS1918BK1	Vented Rail Mount Shelf, 19"	35.84
—	RASC1912WH2	Fixed Chassis/Shelf, 19"	57.74
—	RKBM19BK1	Keyboard/Monitor Shelf, 19"	82.78
—	RAKS19BK1	Keyboard Drawer, 19"	74.73
—	RSKS19005BK1	Swivel Keyboard Drawer, 19"	134.86
—	RSKS19DOORBK1	Keyboard Drawer Access Door	30.45
—	RDRW1900312BK1	12" Deep Storage Drawer	162.86
—	RDRW1900316BK1	16" Deep Storage Drawer	177.10
—	RDRW1900322BK1	22" Deep Storage Drawer	185.25
—	RSLIDE12	12" Equipment Slides, 1 pair	54.33
—	RSLIDE16	16" Equipment Slides, 1 pair	56.63
—	RSLIDE22	22" Equipment Slides, 1 pair	60.07

Cooling Accessories

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
546—	FT300TA1BK	300CFM Fan Tray	137.53
546—	FT300HA1BK	300CFM Fan Tray with switch	140.77
546—	FT600TA1BK	600CFM Fan Tray	226.52
546—	FT600HA1BK	600CFM Fan Tray with switch	236.67
546—	HB2160A	150 CFM Blower	375.46
546—	XPFA80BK	Black Filter Fan Grill	5.87
546—	XPFA80CG	Gray/Beige Filter Fan Grill	5.87
546—	SKT011419NO	Thermostat	25.73

Power Panels

See accessory pages for a complete listing of power panels.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
546—	1582H6A1	6-Outlet Gray, Outlets on Front	43.64
546—	1582H6A1BK	6-Outlet Black, Outlets on Front	43.64
546—	1583H6A1	6-Outlet Gray, Outlets on Back	43.64
546—	1583H6A1BK	6-Outlet Black, Outlets on Back	43.64

Cable Organizing

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
546—	PCMBS19001BK1	Ring Panel	30.35
546—	PCMBV19001BK1	Velcro Strap Panel	18.88
546—	PCMDS19001BK1	Finger Panel	62.66
546—	PCMT19003BK1	Cable Trough	28.41
546—	CGUIDE	Hinged Cable Guide	60.08
546—	DNCE19BK1	Cable Access Panel	31.73
546—	CMRBK1	Single Cable Ring	5.40

Hardware

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
546—	1421A	10-32 X 0.75" Phillips oval head screw/plastic washer, 4-pk	2.46
546—	1421A100B	Nickel plated 10-32 x 0.625" countersunk Phillips head, 100-pk	14.29
546—	1421A100W	Black plastic cup washer for countersunk 10-32 screws, 100-pk	25.97
546—	1421E100W	Nickel plated cup washer for countersunk 10-32 screws, 100-pk	10.53
546-	1421N25	10-32 clip nuts for all panel rails, 25-pk	11.31

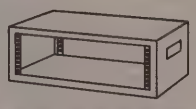
HAMMOND Table Top and Relay Racks

DESK TOP RACK (LIGHT DUTY)

Features:

- 16 gauge steel 19" table top rack
- Rails are infinitely adjustable (front to back)
- Rails have round holes punched for 10-32 clip nuts
- Includes rubber feet, 2 lifting handles and 10-32 clip nuts
- Overall width: 21"
- Overall height: 2" over Panel Height

"Shipped Factory Direct"



For quantities of 2 and up, call for quote.

MOUSER STOCK NO.				Panel Height (In.)		Number of Clip Nuts	Price Each
Textured Black		Textured Beige					
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.	Inches	Units		
13" Deep							
546—	RCBS1900313BK1	546—	RCBS1900313CG1	3.50	2	8	88.12
546—	RCBS1900513BK1	546—	RCBS1900513CG1	5.25	3	8	94.81
546—	RCBS1900713BK1	546—	RCBS1900713CG1	7.00	4	8	102.53
546—	RCBS1900813BK1	546—	RCBS1900813CG1	8.75	5	16	116.16
546—	RCBS1901013BK1	546—	RCBS1901013CG1	10.50	6	16	121.51
546—	RCBS1901213BK1	546—	RCBS1901213CG1	12.25	7	16	132.19
546—	RCBS1901413BK1	546—	RCBS1901413CG1	14.00	8	16	165.57
17" Deep							
546—	RCBS1900517BK1	546—	RCBS1900517CG1	5.25	3	8	113.50
546—	RCBS1900717BK1	546—	RCBS1900717CG1	7.00	4	8	132.19
546—	RCBS1900817BK1	546—	RCBS1900817CG1	8.75	5	16	157.54
546—	RCBS1901017BK1	546—	RCBS1901017CG1	10.50	6	16	166.91
546—	RCBS1901217BK1	546—	RCBS1901217CG1	12.25	7	16	182.94
546—	RCBS1901417BK1	546—	RCBS1901417CG1	14.00	8	16	186.92

DESK TOP RACK (HEAVY DUTY)

Features:

- 16 gauge steel 19" table top rack
- Rails are fixed both front and rear
- Rails have round holes punched for 10-32 clip nuts
- Includes 2 pair of fixed accessory rails (for rear support of heavier equipment), rubber feet, 2 lifting handles and 10-32 clip nuts
- Overall width: 21"
- Overall height: 2" over Panel Height

"Shipped Factory Direct"

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.				Panel Height (In.)		Number of Clip Nuts	Price Each
Textured Black		Textured Beige					
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.	Inches	Units		
17.5" Deep							
546—	RCHS1900817BK1	546—	RCHS1900817CG1	8.75	5	8	170.83
546—	RCHS1901017BK1	546—	RCHS1901017CG1	10.50	6	16	197.56
546—	RCHS1901417BK1	546—	RCHS1901417CG1	14.00	8	16	202.26
546—	RCHS1901717BK1	546—	RCHS1901717CG1	17.50	10	16	210.03
546—	RCHS1902217BK1	546—	RCHS1902217CG1	22.75	13	16	228.70
546—	RCHS1902817BK1	546—	RCHS1902817CG1	28.00	16	16	268.82
24.5" Deep							
546—	RCHS1901024BK1	546—	RCHS1901024CG1	10.50	6	16	266.03
546—	RCHS1901424BK1	546—	RCHS1901424CG1	14.00	8	16	280.02
546—	RCHS1901724BK1	546—	RCHS1901724CG1	17.50	10	16	289.37
546—	RCHS1902224BK1	546—	RCHS1902224CG1	22.75	13	16	298.70
546—	RCHS1902824BK1	546—	RCHS1902824CG1	28.00	16	16	311.12

TABLE TOP OPEN RELAY RACK

Features:

- Standard 19" rack panel width mounting
- 14 gauge steel, heavy duty construction
- Supplied unassembled (4 pieces), shipped in a flat container for handling ease and protection
- Rails round hole punched for 10-32 clip nuts
- Includes hardware, four rubber feet and 10-32 clip nuts
- Finished in textured black powder paint
- Base Depth: 12"

"Shipped Factory Direct"

For quantities of 5 and up, call for q

MOUSER STOCK NO.		Panel Height Overall Dimensions (in.)				Price Ea	
Mfr.	Mfr. Part No.	Inches	Units	Height	Width	1	
546—	RRTT1921BK1	21.00	12	24.00	20.38	94.42	8
546—	RRTT1928BK1	28.00	16	31.00	20.38	103.00	9

OPEN RELAY RACK (LIGHT DUTY)

Features:

- 12 gauge steel welded 19" rack
- No assembly required
- Front flange is drilled and tapped for 10-32 clip nuts
- Finished in textured black powder paint
- Panel width: 19"

"Shipped Factory Direct"

For quantities of 5 and up, call for q

MOUSER STOCK NO.		Panel Height		Overall Width (In.)	Price Eac	
Mfr.	Mfr. Part No.	Inches	Units		1	
546—	DNRR42LDW	42.00	24	44.6	169.61	15
546—	DNRR63LDW	63.00	36	65.6	188.65	17
546—	DNRR70LDW	70.00	40	72.6	191.16	17
546—	DNRR77LDW	77.00	44	79.6	199.54	18
546—	DNRR84LDW	84.00	48	86.6	203.58	18

OPEN RELAY RACK (HEAVY DUTY)

Features:

- 10 gauge steel welded 19" rack
- No assembly required
- Front flange is drilled and tapped for 10-32 clip nuts
- Finished in textured black powder paint
- Panel width: 19"

"Shipped Factory Direct"

For quantities of 5 and up, call for q

MOUSER STOCK NO.		Panel Height		Overall Width (In.)	Price Eac	
Mfr.	Mfr. Part No.	Inches	Units		1	
546—	DNRR42HDW	42.00	24	48.13	205.36	18
546—	DNRR63HDW	63.00	36	69.13	229.52	21
546—	DNRR70HDW	70.00	40	76.13	233.06	21
546—	DNRR77HDW	77.00	44	83.13	241.61	22
546—	DNRR84HDW	84.00	48	90.13	244.99	22

ACCESSORIES FOR RELAY RACKS

Panels

See accessory pages for a complete listing of panels.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
546—	PBPA19001BK2	19" Aluminum, 1.75" H, Black	8.66
546—	PBPA19003BK2	19" Aluminum, 3.50" H, Black	12.76
546—	PBPA19005BK2	19" Aluminum, 5.25" H, Black	18.22
546—	PBPA19007BK2	19" Aluminum, 7.00" H, Black	22.77
546—	PBPA19001CG2	19" Aluminum, 1.75" H, Beige	8.66
546—	PBPA19003CG2	19" Aluminum, 3.50" H, Beige	12.76
546—	PBPA19005CG2	19" Aluminum, 5.25" H, Beige	18.22
546—	PBPA19007CG2	19" Aluminum, 7.00" H, Beige	22.77
546—	PBPA19001UNF	19" Aluminum, 1.75" H, Unfinished	8.66
546—	PBPA19003UNF	19" Aluminum, 3.50" H, Unfinished	12.76
546—	PBPA19005UNF	19" Aluminum, 5.25" H, Unfinished	18.22
546—	PBPA19007UNF	19" Aluminum, 7.00" H, Unfinished	22.77

Hardware

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
546—	1421A	10-32 X 0.75" Phillips oval head screw/plastic washer, 4-pk	2.46
546—	1421A100B	Nickel plated 10-32 x 0.625" countersunk Phillips head, 100-pk	14.29
546—	1421A100W	Black plastic cup washer for countersunk 10-32 screws, 100-pk	25.97
546—	1421E100W	Nickel plated cup washer for countersunk 10-32 screws, 100-pk	10.53
546—	1421N25	10-32 clip nuts for all panel rails, 25-pk	11.31

Shelves, Drawers and Slides

See accessory pages for a complete listing of shelves.

For quantities of 5 and up, call for q

MOUSER STOCK NO.		Description	Price Eac
Mfr.	Mfr. Part No.		
546—	DNDMS19BK1	Solid Dual Modem Shelf, 19"	56.39
546—	DNDMV19BK1	Vented Dual Modem Shelf, 19"	56.39
546—	RASU190515BK1	Solid Rack Mount Shelf, 19"	60.59
546—	RASV190515BK1	Vented Rack Mount Shelf, 19"	68.43
546—	RFUS1918BK1	Solid Rail Mount Shelf, 19"	35.84
546—	RFVS1918BK1	Vented Rail Mount Shelf, 19"	35.84
546—	RASC1912WH2	Fixed Chassis/Shelf, 19"	57.74
546—	RKBM19BK1	Keyboard/Monitor Shelf, 19"	82.78
546—	RAKS19BK1	Keyboard Drawer, 19"	74.73
546—	RSKS19005BK1	Swivel Keyboard Drawer, 19"	134.86
546—	RSKS19DOORBK1	Keyboard Drawer Access Door	30.45
546—	RDRW1900312BK1	12" Deep Storage Drawer	162.86
546—	RDRW1900316BK1	16" Deep Storage Drawer	177.10
546—	RDRW1900322BK1	22" Deep Storage Drawer	185.25
546—	RSLIDE12	12" Equipment Slides, 1 pair	54.33
546—	RSLIDE16	16" Equipment Slides, 1 pair	56.63
546—	RSLIDE22	22" Equipment Slides, 1 pair	60.07
546—	RASA12BK3	Equipment Side Support Angles, 1 pair	21.71

Cable Organizing

For quantities of 5 and up, call for q

546—	PCMBS19001BK1	Ring Panel	30.35
546—	PCMBV19001BK1	Velcro Strap Panel	18.88
546—	PCMDS19001BK1	Finger Panel	62.66
546—	PCMT19003BK1	Cable Trough	28.41
546—	CGUIDE	Hinged Cable Guide	60.08
546—	DNCE19BK1	Cable Access Panel	31.73
546—	CMRBK1	Single Cable Ring	5.40

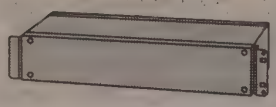
HAMMOND Rack Mount Enclosures and Accessories

HAMMOND MANUFACTURING

MMOND RACK MOUNT/DESK TOP ENCLOSURE

ures:

unts on standard 19" rack space or can be used table top
minum panels can be removed from
of all 6 sides w/only 4 screws
pped knocked down and includes
ardware, rack mount ears and rubber feet
nt and rear panel are interchangeable (one is smooth
white, one is smooth black powder paint)
shed in textured black powder paint



For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions (In.)			Price Each	
		H	W	D	1	2
Id						
-RMCS19018BK1	RMCS19018BK1	1.75	17.00	8.00	64.20	59.26
-RMCS190113BK1	RMCS190113BK1	1.75	17.00	13.00	75.53	69.72
-RMCS19038BK1	RMCS19038BK1	3.50	17.00	8.00	71.76	66.24
-RMCS190313BK1	RMCS190313BK1	3.50	17.00	13.00	90.64	83.67
-RMCS190513BK1	RMCS190513BK1	5.25	17.00	13.00	103.86	95.87
-RMCS190713BK1	RMCS190713BK1	7.00	17.00	13.00	118.97	109.81
-RMCS190813BK1	RMCS190813BK1	8.75	17.00	13.00	143.51	132.47
-RMCS191013BK1	RMCS191013BK1	10.50	17.00	13.00	158.62	146.42
-RMCS191015BK1	RMCS191015BK1	10.50	17.00	15.00	156.73	144.68
ited						
-RMCV19018BK1	RMCV19018BK1	1.75	17.00	8.00	64.20	59.26
-RMCV190113BK1	RMCV190113BK1	1.75	17.00	13.00	75.53	69.72
-RMCV19038BK1	RMCV19038BK1	3.50	17.00	8.00	71.76	66.24
-RMCV190313BK1	RMCV190313BK1	3.50	17.00	13.00	90.64	83.67
-RMCV190513BK1	RMCV190513BK1	5.25	17.00	13.00	103.86	95.87
-RMCV190713BK1	RMCV190713BK1	7.00	17.00	13.00	118.97	109.81
-RMCV190813BK1	RMCV190813BK1	8.75	17.00	13.00	143.51	132.47
-RMCV191013BK1	RMCV191013BK1	10.50	17.00	13.00	158.62	146.42
-RMCV191015BK1	RMCV191015BK1	10.50	17.00	15.00	156.73	144.68
f Width - Solid						
-RMCS9018BK1	RMCS9018BK1	1.75	8.50	8.00	49.29	44.81
-RMCS9038BK1	RMCS9038BK1	3.50	8.50	8.00	56.08	50.99
-RMCS9058BK1	RMCS9058BK1	5.25	8.50	8.00	61.18	55.62
f Width - Vented						
-RMCV9018BK1	RMCV9018BK1	1.75	8.50	8.00	54.22	49.29
-RMCV9038BK1	RMCV9038BK1	3.50	8.50	8.00	61.69	56.09
-RMCV9058BK1	RMCV9058BK1	5.25	8.50	8.00	67.30	61.19

MMOND CHASSIS PANELS

PRODUCT NEW

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Use With Enclosure		Price Each	
		W (In.)	D (In.)	1	2
-RMP908	RMP908	8.5	8	13.51	12.29
-RMP1908	RMP1908	17	8	20.23	18.39
-RMP1913	RMP1913	17	13	23.45	21.32
-RMP1915	RMP1915	17	15	25.74	23.40

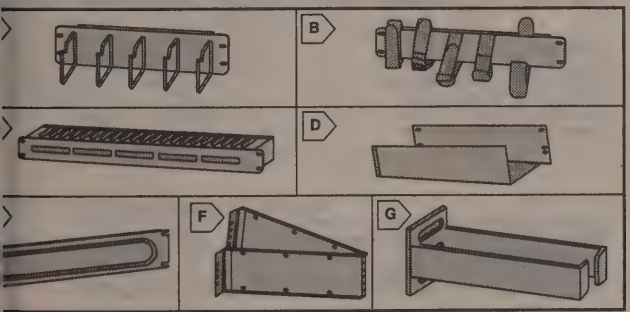
MMOND CASTERS

In sets of 4.

For quantities of 5 and up, call for quote.

OUSER CK NO.	Hammond Part No.	Type	Weight Cap (Lbs.)	Price Each	
				1	2
-1425B	1425B	Light Duty	360	40.86	37.46
-1425BM	1425BM	Med. Duty	700	47.60	43.94
-1425BH	1425BH	Heavy Duty	1050	88.89	82.05

MMOND CABLE ORGANIZING

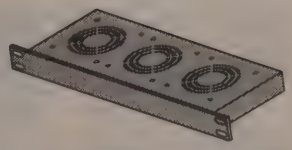


For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Description	Price Each	
				1	2
-PCMBS19001BK1	PCMBS19001BK1	A	Ring Panel, 1.75" H	30.35	29.35
-PCMBS19003BK1	PCMBS19003BK1	A	Ring Panel, 3.5" H	36.00	33.00
-PCMBV19001BK1	PCMBV19001BK1	B	Velcro Strap Panel	18.88	17.43
-PCMDS19001BK1	PCMDS19001BK1	C	Metal Finger Panel, 1.75" H	62.66	57.84
-PCMDS19003BK1	PCMDS19003BK1	C	Metal Finger Panel, 3.5" H	88.20	80.85
-PCMDS19005BK1	PCMDS19005BK1	C	Metal Finger Panel, 5.25" H	110.05	104.81
-PCMT19003BK1	PCMT19003BK1	D	Cable Trough	28.41	26.23
-CGUIDE	CGUIDE	E	Hinged Cable Guide	60.08	55.46
-DNCE19BK1	DNCE19BK1	F	Cable Access Panel, gray/beige	31.73	29.29
-DNCE19CG1	DNCE19CG1	F	Cable Access Panel, black	31.73	29.29
-CMRBK1	CMRBK1	G	Single Cable Ring	5.40	4.95

HAMMOND FAN TRAY ASSEMBLY

Fan trays can be positioned at the bottom of a rack to force air through the cabinet, at the top to exhaust air out or below specific pieces of equipment for spot cooling 115VAC 50/60 Hz., thermally protected, ball bearing fans. Circuit breaker protected.



For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Number of Fans	CFM	Amps	Watts	Price Each	
						1	2
546-FT300TA1BK	FT300TA1BK	3	300	0.5	40	137.53	130.66
546-FT600TA1BK	FT600TA1BK	6	600	1	80	226.52	215.19
546-FT900TA1BK	FT900TA1BK	9	900	1.5	120	291.67	269.23

With lighted on/off switch.

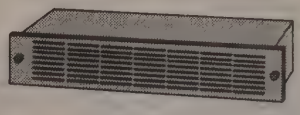
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Number of Fans	CFM	Amps	Watts	Price Each	
						1	2
546-FT300HA1BK	FT300HA1BK	3	300	0.5	40	140.77	133.73
546-FT600HA1BK	FT600HA1BK	6	600	1	80	236.67	218.46
546-FT900HA1BK	FT900HA1BK	9	900	1.5	120	286.39	272.07

HAMMOND BLOWERS

Features:

- Each unit contains a quadruplex centrifugal blower, powered by a single precision ball-bearing motor.
- Heavy steel construction
- 115 VAC, 50/60 Hz. motor is UL listed
- CSA certified, ball bearing type, cooled by incoming air



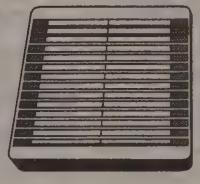
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	CFM	RPM Nom.	Units	Price Each	
					1	2
546-HB2160A	HB2160A	140	2750	2	375.46	322.87
546-HB3250A	HB3250A	250	3150	3	392.27	337.33
546-HB4500A	HB4500A	470	3250	4	401.66	381.57

HAMMOND FILTER FAN GRILLS

Features:

- Create your own filter fans or exhaust grills.
- Complete with flame retardant ABS plastic grill and flame retardant synthetic filter.
- Mounts easily with 4 screws using template and hardware provided.
- Integral gasket on reverse side of grill, seals against mounting surface.



For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Color	Grill Size		Use with Square Fan Size	Price Each	
			H	W		1	2
546-XPFA80BK	XPFA80BK	Black	4.13"	4.13"	3.15"	5.87	5.42
546-XPFA80CG	XPFA80CG	Gray/Beige	4.13"	4.13"	3.15"	5.87	5.42
546-XPFA80GY	XPFA80GY	ASA 61 Gray	4.13"	4.13"	3.15"	5.87	5.42
546-XPFA120BK	XPFA120BK	Black	5.91"	5.91"	4.70"	8.94	8.26
546-XPFA120CG	XPFA120CG	Gray/Beige	5.91"	5.91"	4.70"	8.94	8.26
546-XPFA120GY	XPFA120GY	ASA 61 Gray	5.91"	5.91"	4.70"	8.94	8.26
Replacement Filters							
546-PFF1000	PFF1000	-	-	-	3.15"	5.10	4.71
546-PFF2000	PFF2000	-	-	-	4.70"	5.84	5.39

HAMMOND THERMOSTAT

Features:

- Normally open thermostat for control of blowers or fans
- Adjustable range 30 - 140° F
- Switching difference (hysteresis) +/- 4°F
- Compact size 2.4" H x 1.3" W x 1.4" D
- Easily installed by clip mounting to DIN rail (included)
- 2 pole terminal for AWG 14 wire
- Switching capacity of 15A (120 VAC) or 10A (240 VAC)
- Sensor is thermostatic bi-metal, housed in gray flame retardant plastic (UL940VO)
- UL recognized, C UL Component Recognized and CE

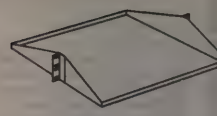
For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Contact Type	Dimension (In.)			Price Each			
			H	W	D	1	2	5	10
546-SKT011419NO	SKT011419NO	Normally Open	2.40	1.30	1.40	25.73	23.75	20.58	19.99

HAMMOND Shelves and Drawers

HAMMOND DUAL MODEM SHELF

Features:
- Provides front and rear access to modems on 19" relay racks
- Finished in textured black powder paint
- 16 gauge steel construction

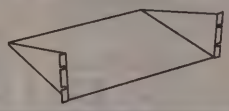


For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	MOUSER STOCK NO.	Hammond Part No.	Price Each 1	2	5
Solid Black Textured		Solid Gray Smooth				
546-DNDMS19BK1	DNDMS19BK1	546-DNDMS19GY2	DNDMSGY2	19.50	56.39	52.05
Vented Black Textured		Vented Gray Smooth				
546-DNDMV19BK1	DNDMV19BK1	546-DNDMV19GY2	DNDMV19GY2	19.50	56.39	52.05

HAMMOND RAIL MOUNT SHELF

Features:
- 14 gauge steel construction
- 19" rack mount shelf

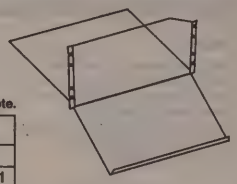


For quantities greater than 10, call for

MOUSER STOCK NO.	Hammond Part No.	MOUSER STOCK NO.	Hammond Part No.	MOUSER STOCK NO.	Hammond Part No.	Dimensions (In.) H	D	Price Each 1	2
Solid Black Textured		Solid Beige Textured		Solid Gray Smooth					
546-RASU190515BK1	RASU190515BK1	546-RASU190515CG1	RASU190515CG1	546-RASU190515GY2	RASU190515GY1	5.25	15.00	60.59	55.93
Vented Black Textured		Vented Beige Textured		Vented Gray Smooth					
546-RASV190515BK1	RASV190515BK1	546-RASV190515CG1	RASV190515CG1	546-RASV190515GY2	RASV190515GY1	5.25	15.00	68.43	63.16

HAMMOND RAIL MOUNT KEYBOARD/MONITOR SHELF

Features:
- 14 gauge steel construction
- Weight load tested to 160lbs.
- Finished in textured black powder paint

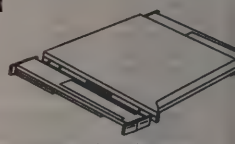


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Price Each 1	2	5
546-RKBM19BK1	RKBM19BK1	82.78	78.64	74.71

HAMMOND KEYBOARD DRAWER

Features:
- Supplied with two slides and mounting hardware
- Weight load tested to 120 lbs.
- Textured black powder paint finish

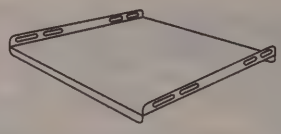


For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions (In.) H	D	Price Each 1	2	5
546-RAKS19BK1	RAKS19BK1	19.00	15.00	74.33	72.13	70.62

HAMMOND FIXED SHELF

Features:
- 14 gauge steel construction
- 19" rack mount shelf
- Side slotted for easy front to back adjustment
- Finished in textured black powder paint

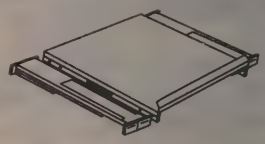


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions (In.) H	D	Price Each 1	2
Solid					
546-RFUS1918BK1	RFUS1918BK1	19.00	19.00	35.84	33.08
546-RFUS1921BK1	RFUS1921BK1	19.00	21.00	37.99	35.07
546-RFUS1926BK1	RFUS1926BK1	19.00	26.00	40.68	37.55
Vented					
546-RFVS1918BK1	RFVS1918BK1	19.00	19.00	35.84	33.08
546-RFVS1921BK1	RFVS1921BK1	19.00	21.00	37.99	35.07
546-RFVS1926BK1	RFVS1926BK1	19.00	26.00	40.68	37.55

HAMMOND SWIVEL KEYBOARD DRAWER

Features:
- Top tray of drawer swivels clockwise 90 degrees
- Supplied with two slides and mounting hardware
- Textured black powder paint finish

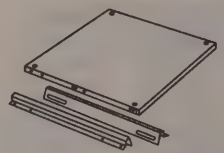


For quantities greater than 10, call for

MOUSER STOCK NO.	Hammond Part No.	Panel Width (in.)	Shelf Depth (in.)	Price Each 1	2
546-RSKS19005BK1	RSKS19005BK1	19	15	134.86	130.17

HAMMOND FIXED/PULL-OUT SHELF

Features:
- 18 gauge steel construction
- Mounts to internal rails
- Finished in smooth white
- 14 gauge brackets, side slotted for easy front to back adjustment

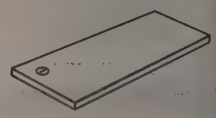


For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions (In.) H	D	Bracket Depth	Price Each 1	2	5
546-RASC1912WH2	RASC1912WH2	19.00	11.90	13.20	57.74	53.30	46.20
546-RASC1916WH2	RASC1916WH2	19.00	15.90	14.90	64.87	59.88	51.90
546-RASC1922WH2	RASC1922WH2	19.00	21.90	20.90	73.97	68.28	59.17

HAMMOND ACCESS DOOR FOR KEYBOARD DRAWER

Features:
- Restricts access to keyboard drawers
- Mounts to front panel rails of keyboard drawer (RAKS and RSKS series)
- Includes all hardware and two keys
- Textured black powder paint finish

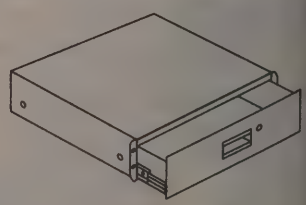


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Price Each 1	2	5
546-RSKS19DOORBK1	RSKS19DOORBK1	30.45	29.40	28.35

HAMMOND RAIL MOUNT STORAGE DRAWERS

Features:
- Plastic front pull handle
- Slides, hardware, lock and two keys included
- Weight load tested to 120 lbs.



For quantities greater than 10, call for quote.

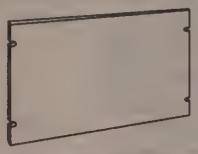
MOUSER STOCK NO.	Hammond Part No.	MOUSER STOCK NO.	Hammond Part No.	Drawer Depth (In.)	Price Each 1	2	5
Black Textured		Beige Textured					
546-RDRW1900312BK1	RDRW1900312BK1	546-RDRW1900312CG1	RDRW1900312CG1	12	141.69	136.81	131.92
546-RDRW1900316BK1	RDRW1900316BK1	546-RDRW1900316CG1	RDRW1900316CG1	16	154.08	148.76	143.45
546-RDRW1900322BK1	RDRW1900322BK1	546-RDRW1900322CG1	RDRW1900322CG1	22	161.17	155.61	150.05

HAMMOND Rack and Cabinet Accessories

HAMMOND MANUFACTURING

MMOND 19" ALUMINUM RACK PANELS

ures:
5" thick
rack mount panels
shed in smooth black or beige (RAL 702)
der paint or natural finish (paper
ered on one side)



For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Length (units)	Price Each 1	2	5	10
ooth Black						
-PBPA19001BK2	PBPA19001BK2	1.75" (1)	8.66	7.99	6.93	6.49
-PBPA19003BK2	PBPA19003BK2	3.50" (2)	12.76	11.78	10.21	9.96
-PBPA19005BK2	PBPA19005BK2	5.25" (3)	18.22	16.82	14.92	14.21
-PBPA19007BK2	PBPA19007BK2	7.00" (4)	22.77	21.02	18.65	17.76
-PBPA19008BK2	PBPA19008BK2	8.75" (5)	26.94	24.87	22.07	21.02
-PBPA19010BK2	PBPA19010BK2	10.50" (6)	30.37	28.03	24.87	23.69
-PBPA19012BK2	PBPA19012BK2	12.25" (7)	36.42	33.62	29.83	28.41
-PBPA19014BK2	PBPA19014BK2	14.00" (8)	40.99	37.84	33.57	31.97
-PBPA19015BK2	PBPA19015BK2	15.75" (9)	44.03	40.65	36.07	34.35
-PBPA19017BK2	PBPA19017BK2	17.50" (10)	50.13	46.27	41.06	39.10
-PBPA19019BK2	PBPA19019BK2	19.25" (11)	58.08	53.62	47.58	45.31
-PBPA19021BK2	PBPA19021BK2	21.00" (12)	62.26	57.47	50.99	48.56
-PBPA19022BK2	PBPA19022BK2	22.75" (13)	66.06	60.98	54.10	51.52
-PBPA19024BK2	PBPA19024BK2	24.50" (14)	72.13	66.58	59.07	56.26
-PBPA19026BK2	PBPA19026BK2	26.25" (15)	77.45	71.49	63.43	60.41
-PBPA19028BK2	PBPA19028BK2	28.00" (16)	82.75	76.38	67.78	64.55
-PBPA19029BK2	PBPA19029BK2	29.75" (17)	86.55	79.89	70.89	67.51
-PBPA19031BK2	PBPA19031BK2	31.50" (18)	88.85	82.01	72.77	69.30
ooth Beige						
-PBPA19001CG2	PBPA19001CG2	1.75" (1)	8.66	7.99	6.93	6.76
-PBPA19003CG2	PBPA19003CG2	3.50" (2)	12.76	11.78	10.21	9.96
-PBPA19005CG2	PBPA19005CG2	5.25" (3)	18.22	16.82	14.92	14.21
-PBPA19007CG2	PBPA19007CG2	7.00" (4)	22.77	21.02	18.65	17.76
-PBPA19008CG2	PBPA19008CG2	8.75" (5)	26.94	24.87	22.07	21.02
-PBPA19010CG2	PBPA19010CG2	10.50" (6)	30.37	28.03	24.87	23.69
-PBPA19012CG2	PBPA19012CG2	12.25" (7)	36.42	33.62	29.83	28.41
-PBPA19014CG2	PBPA19014CG2	14.00" (8)	40.99	37.84	33.57	31.97
-PBPA19015CG2	PBPA19015CG2	15.75" (9)	44.03	40.65	36.07	34.35
-PBPA19017CG2	PBPA19017CG2	17.50" (10)	50.13	46.27	41.06	39.10
-PBPA19019CG2	PBPA19019CG2	19.25" (11)	58.08	53.62	47.58	45.31
-PBPA19021CG2	PBPA19021CG2	21.00" (12)	62.26	57.47	50.99	48.56
-PBPA19022CG2	PBPA19022CG2	22.75" (13)	66.06	60.98	54.10	51.52
-PBPA19024CG2	PBPA19024CG2	24.50" (14)	72.13	66.58	59.07	56.26
-PBPA19026CG2	PBPA19026CG2	26.25" (15)	77.45	71.49	63.43	60.41
-PBPA19028CG2	PBPA19028CG2	28.00" (16)	82.75	76.38	67.78	64.55
-PBPA19029CG2	PBPA19029CG2	29.75" (17)	86.55	79.89	70.89	67.51
-PBPA19031CG2	PBPA19031CG2	31.50" (18)	88.85	82.01	72.77	69.30
finished						
-PBPA19001UNF	PBPA19001UNF	1.75" (1)	8.66	7.99	6.93	6.76
-PBPA19003UNF	PBPA19003UNF	3.50" (2)	12.76	11.78	10.21	9.96
-PBPA19005UNF	PBPA19005UNF	5.25" (3)	18.22	16.82	14.92	14.21
-PBPA19007UNF	PBPA19007UNF	7.00" (4)	22.77	21.02	18.65	17.76
-PBPA19008UNF	PBPA19008UNF	8.75" (5)	26.94	24.87	22.07	21.02
-PBPA19010UNF	PBPA19010UNF	10.50" (6)	30.37	28.03	24.87	23.69
-PBPA19012UNF	PBPA19012UNF	12.25" (7)	36.42	33.62	29.83	28.41
-PBPA19014UNF	PBPA19014UNF	14.00" (8)	40.99	37.84	33.57	31.97
-PBPA19015UNF	PBPA19015UNF	15.75" (9)	44.03	40.65	36.07	34.35
-PBPA19017UNF	PBPA19017UNF	17.50" (10)	50.13	46.27	41.06	39.10
-PBPA19019UNF	PBPA19019UNF	19.25" (11)	58.08	53.62	47.58	45.31
-PBPA19021UNF	PBPA19021UNF	21.00" (12)	62.26	57.47	50.99	48.56
-PBPA19022UNF	PBPA19022UNF	22.75" (13)	66.06	60.98	54.10	51.52
-PBPA19024UNF	PBPA19024UNF	24.50" (14)	72.13	66.58	59.07	56.26
-PBPA19026UNF	PBPA19026UNF	26.25" (15)	77.45	71.49	63.43	60.41
-PBPA19028UNF	PBPA19028UNF	28.00" (16)	82.75	76.38	67.78	64.55
-PBPA19029UNF	PBPA19029UNF	29.75" (17)	86.55	79.89	70.89	67.51
-PBPA19031UNF	PBPA19031UNF	31.50" (18)	88.85	82.01	72.77	69.30

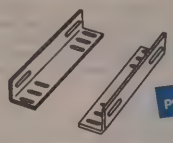
MMOND 19" RACK MOUNT HARDWARE

For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Description	Qty. per Pack	Price Per Pack 1	2	5	10
-1421A	1421A	10-32 X 0.75" Phillips oval head screw/plastic washer	4	2.46	2.27	1.97	1.85
-1421A100B	1421A100B	Nickel plated 10-32 x 0.625" countersunk Phillips head	100	14.29	13.19	11.43	10.72
-1421A100W	1421A100W	Black plastic cup washer for countersunk 10-32 screws	100	25.97	23.97	20.78	19.48
-1421E100W	1421E100W	Nickel plated cup washer for countersunk 10-32 screws	100	10.53	9.72	8.42	7.90
-1421N25	1421N25	10-32 clip nuts for all panel rails	25	11.31	10.44	9.05	8.48

HAMMOND RAIL MOUNT SUPPORT ANGLES

Features:
- 14 gauge steel
- Slot allow up/down or front/back adjustments
- 1.75" x 1.75" to support heavy equipment
- Finished in textured black powder paint
- Reduces load on front panel



For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimension (In.) Length	Price Each 1	2	5	10
546-RASA12BK3	RASA12BK3	9.97	21.71	20.04	17.78	16.93
546-RASA16BK3	RASA16BK3	14.95	23.66	21.84	19.38	18.46
546-RASA22BK3	RASA22BK3	20.95	26.71	24.65	21.87	20.83
546-RASA28BK3	RASA28BK3	28.00	29.18	26.94	23.35	21.89

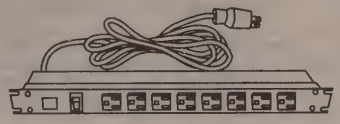
HAMMOND EQUIPMENT SLIDES

Features:
- 19" rack panel mount (to front and back panel rails)
- Heavy duty, ball bearing mechanism
- Uses only 1U (1.75") of panel height
- Sold in pack of 2

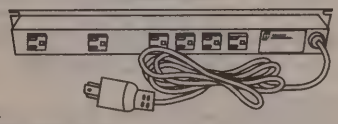
For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Slide Length (In.)	Capacity (per pair)	Price Per Pack 1	2	5	10
546-RSLIDE12	RSLIDE12	12.00	120 (lbs)	54.33	50.15	44.50	42.38
546-RSLIDE16	RSLIDE16	16.00	130 (lbs)	56.63	52.28	46.38	44.17
546-RSLIDE22	RSLIDE22	22.00	120 (lbs)	60.07	55.45	49.19	46.85

HAMMOND RACK MOUNT POWER PANELS



Outlets on Front



Outlets on Back

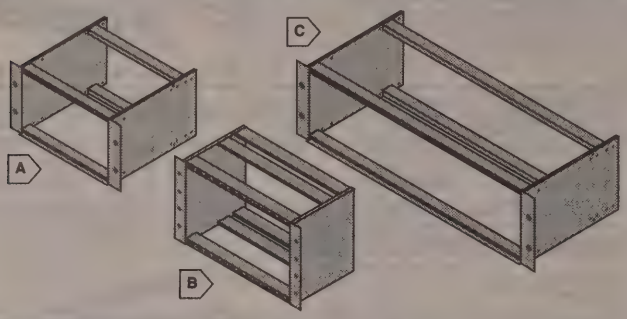
Available in ASA 61 gray or black powder coat finish.
Heavy 14 gauge wire cord - 14/3 SJTW for extreme temperature ranges.
Integral molded plug (NEMA 5-15P) with straight blade.
6 outlet models include 2 outlets with extra spacing for clearance of most plug in transformers.
Includes 15 Amp. 125 VAC circuit breaker to prevent accidental overload.
Dimensions are 19" x 3" x 1.75".
UL recognized - under the component program of UL.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	No. of Outlets	On-Off Switch	Pilot Light	Cord Length	Color	Price Each 1	2
Outlets on Front								
546-1582H6A1	1582H6A1	6	Yes	-	6'	Gray	43.64	36.92
546-1582H6A1BK	1582H6A1BK	6	Yes	-	6'	Black	43.64	36.92
546-1582H6B1	1582H6B1	6	Yes	-	15'	Gray	46.36	39.23
546-1582H6B1BK	1582H6B1BK	6	Yes	-	15'	Black	46.36	39.23
546-1582H8A1	1582H8A1	8	Yes	-	6'	Gray	47.27	40.00
546-1582H8A1BK	1582H8A1BK	8	Yes	-	6'	Black	47.27	40.00
546-1582H8B1	1582H8B1	8	Yes	-	15'	Gray	50.00	42.31
546-1582H8B1BK	1582H8B1BK	8	Yes	-	15'	Black	50.00	42.31
546-1582T6A1	1582T6A1	6	-	Yes	6'	Gray	43.64	36.92
546-1582T6A1BK	1582T6A1BK	6	-	Yes	6'	Black	43.64	36.92
546-1582T6B1	1582T6B1	6	-	Yes	15'	Gray	46.36	39.23
546-1582T6B1BK	1582T6B1BK	6	-	Yes	15'	Black	46.36	39.23
546-1582T8A1	1582T8A1	8	-	Yes	6'	Gray	47.27	40.00
546-1582T8A1BK	1582T8A1BK	8	-	Yes	6'	Black	47.27	40.00
546-1582T8B1	1582T8B1	8	-	Yes	15'	Gray	50.00	42.31
546-1582T8B1BK	1582T8B1BK	8	-	Yes	15'	Black	50.00	42.31
Outlets on Back								
546-1583H6A1	1583H6A1	6	Yes	-	6'	Gray	43.64	36.92
546-1583H6A1BK	1583H6A1BK	6	Yes	-	6'	Black	43.64	36.92
546-1583H6B1	1583H6B1	6	Yes	-	15'	Gray	46.36	39.23
546-1583H6B1BK	1583H6B1BK	6	Yes	-	15'	Black	46.36	46.36
546-1583H8A1	1583H8A1	8	Yes	-	6'	Gray	47.27	40.00
546-1583H8A1BK	1583H8A1BK	8	Yes	-	6'	Black	47.27	40.00
546-1583H8B1	1583H8B1	8	Yes	-	15'	Gray	50.00	42.31
546-1583H8B1BK	1583H8B1BK	8	Yes	-	15'	Black	50.00	42.31
546-1583T6A1	1583T6A1	6	-	Yes	6'	Gray	43.64	36.92
546-1583T6A1BK	1583T6A1BK	6	-	Yes	6'	Black	43.64	36.92
546-1583T6B1	1583T6B1	6	-	Yes	15'	Gray	46.36	39.23
546-1583T6B1BK	1583T6B1BK	6	-	Yes	15'	Black	46.36	39.23
546-1583T8A1	1583T8A1	8	-	Yes	6'	Gray	47.27	40.00
546-1583T8A1BK	1583T8A1BK	8	-	Yes	6'	Black	47.27	40.00
546-1583T8B1	1583T8B1	8	-	Yes	15'	Gray	50.00	42.31
546-1583T8B1BK	1583T8B1BK	8	-	Yes	15'	Black	50.00	42.31

COMPACT CPCI® SUBRACKS

Subracks for 3U or 6U Compact PCI applications are available off-the-shelf in assembled or kit form. Four standard depths are offered. The 10" depth allows for backplane mounting. The 12" wide depth accommodates 80mm rear I/O card guides and the 15" depth accepts greater than 160mm rear I/O and can accommodate 220mm cards if specified. cPCI® subracks built to IEEE 1101.10 and 1101.11 standards come with one pair of guides for sampling. Additional guides and accessories including perforated top and bottom covers can be ordered. Custom orders are welcomed.



MOUSER STOCK NO.	Vector Part No.	Fig.	Description			Price Each	
			Width	Depth	Height	1	5
574-CCA26-36-00	CCA26-36-00	A	7.4"	8.5"	3U	125.58	113.02
574-CCA28-84-00	CCA28-84-00	B	19.0"	10.0"	6U	198.00	178.20
574-CCA26-84	CCA26-84-00-00	C	19.0"	8.5"	3U	139.98	125.98
574-CCA27-84	CCA27-84-00-00	C	19.0"	12.0"	3U	148.00	132.20
574-CCA31-84	CCA31-84-00-00	C	19.0"	12.0"	3U	163.18	146.86
574-CCA32-84	CCA32-84-00-00	C	19.0"	15.0"	6U	221.76	199.58

COMPACT CPCI® SUBRACKS

- For use with Subracks
- In packages of 12

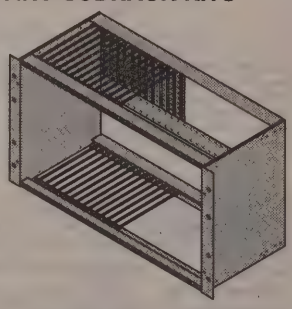
MOUSER STOCK NO.	Vector Part No.	Description	Price Per Pack	
			1	5
574-CG3-160/12	CG3-160/12	Card Guide 160mm	21.46	19.31
574-CG3-160E/12	CG3-160E/12	Card Guide 160mm with ESD clip	26.59	24.69
574-CG3-220/12	CG3-220/12	Card Guide 220mm	23.25	20.92
574-CG3-220E/12	CG3-220E/12	Card Guide 220mm with ESD clip	31.56	29.30

DIN BASED VECTOR-PAK® SUBRACK KITS AND CARD GUIDES

Vector Subrack packaging for 19" systems offers a versatile and comprehensive solution to your packaging needs. Based on DIN 41914, all parts conform to a system which allows your unique design to be constructed from a combination of standards. You may mix module sizes and add accessories without the need for special designs.

Other subracks and accessories are available.

- Assembled CCK160-6U with optional card guides



MOUSER STOCK NO.	Vector Part No.	Dimensions W x H x D (IN)	Card Size H x W	Price Each	
				1	5
574-CCK160-3U	CCK160-3U	19 x 5.25 x 9.27	3U x 160mm	155.66	140.10
574-CCK160-6U	CCK160-6U	19 x 10.50 x 9.67	6U x 160mm	157.44	141.70
574-CCK220-3U	CCK220-3U	19 x 5.25 x 11.65	3U x 220mm	154.75	139.28
574-CCK220-6U	CCK220-6U	19 x 10.50 x 12	6U x 220mm	172.61	155.35

CARD GUIDES FOR DIN-BASED SUBRACKS

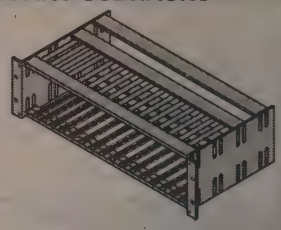
- Snap-in Type: glass filled noryl
- In packages of 12

MOUSER STOCK NO.	Vector Part No.	Length (mm)	Card Thickness	Application	Price Per Pack	
					1	5
574-CG1-160-12	CG1-160/12	160	0.062	CCK160	17.39	15.66
574-CG1-220-12	CG1-220/12	220	0.062	CCK220	21.22	19.10

EIA BASED VECTOR-PAK® SUBRACKS AND CARD GUIDES

Features:

- Guide Positions at 0.25" increments
- Adjustable Slots
- Sidewall Slots Adjustable to 1"
- For 4.5" x 6.5" cards
- Rear Struts for Mounting Connectors
- Available in Kits or Assembled
- Card Size H x W (In): 4.5 x 5.5-7.0
- Construction: 0.080" Thick Aluminum, Clear Chromate Finish



CCK = Kit CCA = Assembled

MOUSER STOCK NO.	Vector Part No.	Dimensions W x H x D (IN)	Snap-In Guide Sets	Price Ea	
				1	
574-CCA13S/90	CCA13S/90	19.00 x 5.25 x 9.00	21	149.33	13
574-CCK13S/90	CCK13S/90	19.00 x 5.25 x 9.00	21	119.03	10
574-CCM13S/90	CCM13S/90	19.00 x 5.25 x 9.00	16	174.91	15
574-CCK13S-H/90	CCK13S-H/90	10.25 x 5.25 x 9.00	11	137.06	13
574-CCK13S-HT/90	CCK13S-HT/90	8.12 x 5.25 x 8.12	10	106.65	9

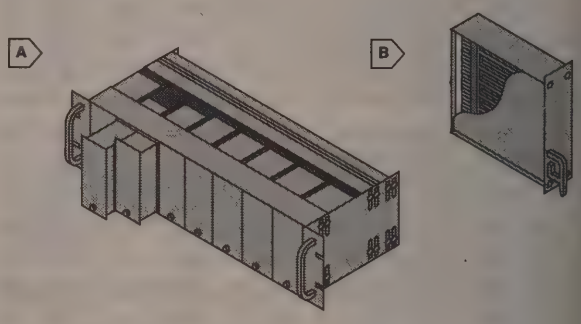
CARD GUIDES FOR EIA-BASED SUBRACKS

- In packages of 12 PS = Plastic, Screw NSI = Nylon, Snap-in

MOUSER STOCK NO.	Vector Part No.	Type	Length (In.)	Center (In.)	Application	P E
574-CG2-65M	CG2-65M	Metal, Screw-In	5.42	1.50	Subrack series	2
574-CG2-65P	CG2-65P	Plastic, Screw-in	5.42	4.50	12, 13, 14, 17,	1
574-CG2-65S	CG2-65S	Nylon, Snap-in	5.42	4.50	18 & 100 & Vector P series sidewalls	1
574-CG2-80P	CG2-80P	Plastic, Screw-in	6.64	6.00	Subrack series	2
574-CG2-80S	CG2-80S	Nylon, Snap-in	6.93	7.50	12, 13, 14, 17,	1
574-CG2-95M	CG2-95M	Metal, Screw-In	8.14	7.50	18 & 100 and Vector P	2
574-CG2-95P	CG2-95P	Plastic, Screw-in	8.14	7.50	series sidewall ending	2
574-CG2-95S	CG2-95S	Nylon, Snap-in	8.14	7.50	in 119 or 156	1

CMA13-20/90 MODULE SUBRACK

- EFP Modules not included
- Zinc Riveted Card Guides
- Holds 8 modules



MOUSER STOCK NO.	Vector Part No.	Fig.	Dimensions W x H x D (IN)	Module Size H x W (IN)	Price Ea	
					1	
574-CMA13-20	CMA13-20/90	A	19 x 5.25 x 9.00	4.5 x 7.0	164.25	14

EFP MODULES

Extended front panels provide thumb screw mounting & flush kit from module to module with strut line.

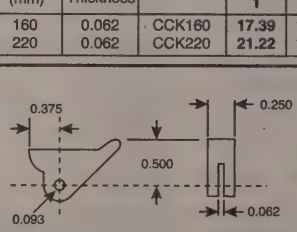
MOUSER STOCK NO.	Vector Part No.	Fig.	Use with Subrack	Price Ea	
				1	
574-EFP164A66	EFP164A66	B	CMA13	31.29	28
574-EFP204A66	EFP204A66	B	CMA13	28.06	25

ACCESSORIES

Rotation Type Ejector Handle

Features:

- Card Ejector, Corner Mounting
- White Nylon (Hardware included)
- Supports up to 40lbs. Extraction Force



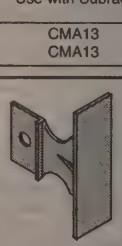
DIMENSIONS (IN)

MOUSER STOCK NO.	Vector Part No.	Packaging	Price Per Pack	
			1	5
574-HA9-4	HA9/4	Pkg. of 4	8.72	7.85
574-HA9/C	HA9/C	Pkg. of 100	97.81	88.03

Pull Type Ejector Handle

Features:

- Extraction/Insertion Handles
- Plastic (FE4)
- Mounts on front edge of plugboard with single screw or Roll-Pin

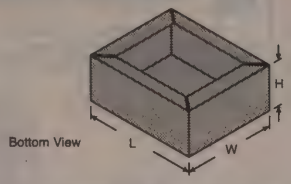


MOUSER STOCK NO.	Vector Part No.	Packaging	Price Per P	
			1	
574-HA14-4	HA14	Pkg. of 4	9.02	
574-HA9-M	HA9/M	Pkg. of 1000	575.85	51

BUD Chassis and Small Metal Enclosures

ALUMINUM CHASSIS AND ACCESSORIES

selection of aluminum chassis. Each is welded at points for assured, maximum strength and rigidity. folded in at bottom for additional support. Bottom sold separately) easily attached. Natural finish.



inum Chassis

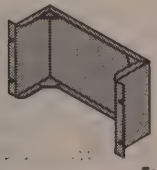
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.)			Price Each			
		W	L	H	1	5	10	25
AC-1404	AC-1404	4.00	5.00	2.00	10.00	8.40	7.93	7.55
AC-1405	AC-1405	4.00	6.00	1.50	8.90	7.45	7.04	6.70
AC-430	AC-430	4.00	6.00	3.00	11.20	9.30	8.77	8.35
AC-431	AC-431	4.00	6.00	2.00	9.10	7.60	7.19	6.85
AC-402	AC-402	5.00	7.00	2.00	9.90	8.20	7.77	7.40
AC-429	AC-429	5.00	7.00	3.00	12.70	10.60	10.03	9.55
AC-403	AC-403	5.00	9.50	2.00	12.00	9.95	9.40	8.95
AC-421	AC-421	5.00	9.50	3.00	15.10	12.60	11.92	11.35
AC-404	AC-404	5.00	10.00	3.00	15.20	12.65	11.97	11.40
AC-1413	AC-1413	6.00	8.00	2.00	11.30	9.40	8.87	8.45
AC-405	AC-405	7.00	7.00	2.00	10.40	8.60	8.14	7.75
AC-406	AC-406	7.00	9.00	2.00	12.50	10.40	9.82	9.35
AC-407	AC-407	7.00	11.00	2.00	14.50	12.05	11.39	10.85
AC-408	AC-408	7.00	12.00	3.00	19.20	16.05	15.17	14.45
AC-409	AC-409	7.00	13.00	2.00	15.80	13.25	12.55	11.95
AC-411	AC-411	7.00	15.00	3.00	25.00	20.85	19.69	18.75
AC-1418	AC-1418	8.00	10.00	2.50	18.30	15.30	14.44	13.75
AC-1419	AC-1419	8.00	12.00	2.50	22.70	18.90	17.85	17.00
AC-424	AC-424	8.00	12.00	3.00	23.00	19.20	18.17	17.30
AC-412	AC-412	8.00	17.00	3.00	26.00	21.80	20.58	19.60
AC-413	AC-413	10.00	12.00	3.00	29.20	24.45	23.10	22.00
AC-414	AC-414	10.00	14.00	3.00	29.70	24.90	23.52	22.40
AC-415	AC-415	10.00	17.00	2.00	26.50	22.15	20.95	19.95
AC-416	AC-416	10.00	17.00	3.00	31.00	25.85	24.41	23.25
AC-427	AC-427	10.00	17.00	4.00	44.70	37.35	35.28	33.60
AC-1422	AC-1422	10.00	17.00	5.00	52.10	43.50	41.11	39.15
AC-418	AC-418	12.00	17.00	3.00	32.80	27.35	25.83	24.60
AC-419	AC-419	13.00	17.00	2.00	33.50	27.90	26.36	25.10
AC-420	AC-420	13.00	17.00	3.00	38.70	32.35	30.56	29.10
AC-428	AC-428	13.00	17.00	4.00	47.00	39.20	37.07	35.30
AC-1426	AC-1426	13.00	17.00	5.00	60.00	50.10	47.36	45.10
AC-1427	AC-1427	14.00	17.00	3.00	43.70	36.45	34.44	32.80
AC-1428	AC-1428	15.00	17.00	4.00	59.30	49.50	46.78	44.55
AC-1429	AC-1429	15.00	17.00	6.00	84.00	70.15	66.31	63.15
AC-1430	AC-1430	17.00	17.00	3.00	50.90	42.50	40.16	38.25
AC-1431	AC-1431	17.00	17.00	4.00	59.60	49.75	47.04	44.80

ssis Bottom Plates

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.)		Price Each			
		W	L	1	5	10	25
BPA-1504	BPA-1504	4.00	5.00	3.90	3.30	3.10	2.95
BPA-1505	BPA-1505	4.00	6.00	4.60	3.85	3.62	3.45
BPA-1589	BPA-1589	5.00	7.00	4.50	3.75	3.57	3.40
BPA-1591	BPA-1591	5.00	10.00	4.50	3.75	3.57	3.40
BPA-1513	BPA-1513	6.00	8.00	6.50	5.35	5.04	4.80
BPA-1592	BPA-1592	7.00	7.00	4.50	3.75	3.57	3.40
BPA-1593	BPA-1593	7.00	9.00	5.50	4.60	4.36	4.15
BPA-1594	BPA-1594	7.00	11.00	5.70	4.75	4.52	4.30
BPA-1595	BPA-1595	7.00	12.00	6.30	5.25	4.99	4.75
BPA-1596	BPA-1596	7.00	13.00	7.50	6.30	5.93	5.65
BPA-1516	BPA-1516	7.00	15.00	8.20	6.90	6.51	6.20
BPA-1518	BPA-1518	8.00	10.00	8.00	6.65	6.30	6.00
BPA-1519	BPA-1519	8.00	12.00	9.70	8.10	7.67	7.30
BPA-1520	BPA-1520	8.00	17.00	10.00	8.40	7.93	7.55
BPA-1523	BPA-1523	10.00	12.00	9.70	8.10	7.67	7.30
BPA-1524	BPA-1524	10.00	14.00	9.70	8.10	7.67	7.30
BPA-1597	BPA-1597	10.00	17.00	10.30	8.65	8.19	7.80
BPA-1528	BPA-1528	12.00	17.00	13.90	11.65	11.03	10.50
BPA-1598	BPA-1598	13.00	17.00	14.30	11.90	11.24	10.70
BPA-1529	BPA-1529	14.00	17.00	14.70	12.30	11.60	11.05
BPA-1530	BPA-1530	15.00	17.00	18.40	15.35	14.49	13.80
BPA-1531	BPA-1531	17.00	17.00	20.40	17.05	16.12	15.35



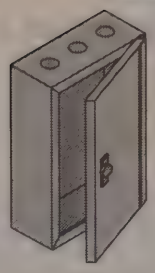
inum Panel Chassis

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Height (In.)	Price Each			
			1	5	25	100
CB-1370	CB-1370	1.75	17.78	16.59	16.00	15.41
CB-1371	CB-1371	3.50	18.83	17.57	16.94	16.32
CB-1372	CB-1372	5.25	23.40	21.84	21.06	20.28
CB-1373	CB-1373	7.00	26.85	25.06	24.17	23.27
CB-1374	CB-1374	8.75	28.43	26.53	25.58	24.64
CB-1375	CB-1375	10.50	30.98	28.91	27.88	26.85
CB-1376	CB-1376	12.25	34.65	32.34	31.19	30.03
CB-1377	CB-1377	14.00	38.33	35.77	34.49	33.22

SMALL WALL MOUNT BOX

Design Features:
All steel construction with hinged front door. Slots on rear surface allow boxes to be easily mounted to a wall, panel, or post.

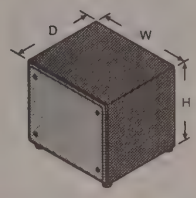


Finishes: White Textured (WH)

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.)			Price Each	
		D	W	H	1	5
563-WM-5510	WM-5510	4.00	8.00	8.00	52.80	44.11
563-WM-5511	WM-5511	4.00	8.00	10.00	55.30	46.17
563-WM-5512	WM-5512	4.00	10.00	12.00	67.20	56.09
563-WM-5513	WM-5513	5.00	10.00	10.00	55.86	53.19
563-WM-5514	WM-5514	6.00	12.00	12.00	90.19	85.90

CONTOUR UTILITY CABINETS

20 gauge steel. Louvered rear panel. Rubber feet furnished. Removable flanged panels have rounded corners and edges to preserve the contoured styling of the highly versatile cabinet. Gray Textured body with White Textured panels.

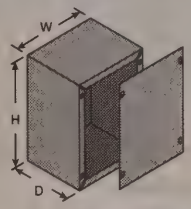


For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.)			Price Each			
		D	W	H	1	10	100	250
563-CU-465	CU-465-GT	5.75	6.25	4.25	42.60	37.33	35.55	27.69
563-CU-585	CU-585-GT	5.75	8.25	5.25	44.80	39.27	37.40	29.12
563-CU-587	CU-587-GT	7.75	8.25	5.25	49.10	43.00	40.95	31.92
563-CU-7125	CU-7125-GT	5.75	12.25	7.25	50.90	44.63	42.50	33.09
563-CU-7127	CU-7127-GT	7.75	12.25	7.25	54.90	48.20	45.90	35.69

UTILITY CABINETS

Available in 20 gauge steel or .040" aluminum. Sturdy, all-welded body. Removable front and back panels.

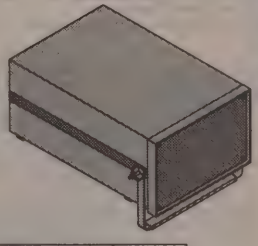


For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.)			Price Each			
		D	W	H	1	5	10	25
20 Gauge Steel with Metallic Gray Finish								
563-CU-883	CU-883	2.00	4.00	4.00	12.80	10.65	9.89	9.60
563-CU-728	CU-728	3.00	5.00	4.00	12.40	10.45	9.68	9.40
563-CU-729	CU-729	4.00	6.00	5.00	15.80	13.15	12.21	11.85
563-CU1098	CU-1098	6.00	6.00	6.00	25.40	21.15	19.62	19.05
563-CU1099	CU-1099	5.00	6.00	9.00	27.50	22.95	21.27	20.65
563-CU879	CU-879	7.00	8.00	10.00	41.60	34.75	32.24	31.30
563-CU1124	CU-1124	6.00	7.00	12.00	41.40	34.60	32.08	31.15
563-CU880	CU-880	8.00	10.00	10.00	53.60	44.80	41.51	40.30
563-CU881	CU-881	8.00	11.00	12.00	64.00	50.45	46.76	45.40
563-CU882	CU-882	7.00	9.00	15.00	59.10	49.40	45.78	44.45
0.04" Aluminum Alloy with Natural Finish								
563-AU1083NF	AU-1083	2.00	4.00	4.00	10.20	8.50	7.88	7.65
563-AU1028NF	AU-1028	3.00	5.00	4.00	12.10	10.10	9.37	9.10
563-AU1029NF	AU-1029	4.00	6.00	5.00	14.10	11.75	10.92	10.60
563-AU1039NF	AU-1039	6.00	6.00	6.00	20.60	17.20	15.97	15.50
563-AU1040NF	AU-1040	5.00	6.00	9.00	22.40	18.70	17.36	16.85
0.04" Aluminum Alloy with Metallic Gray Finish								
563-AU1083MG	AU-1083-MG	2.00	4.00	4.00	14.30	11.95	11.07	10.75
563-AU1028MG	AU-1028-MG	3.00	5.00	4.00	17.10	14.20	13.18	12.80
563-AU1029MG	AU-1029-MG	4.00	6.00	5.00	20.00	16.70	15.50	15.05
563-AU1039MG	AU-1039-MG	6.00	6.00	6.00	29.90	25.00	23.18	22.50
563-AU1040MG	AU-1040-MG	5.00	6.00	9.00	32.10	26.80	24.82	24.10

TR SERIES SMALL CABINETS

With the TR, you'll give your instrumentation a look that sets it far apart from the conventional. It's styling and versatility makes the TR ideal for your application whether it be a portable enclosure, a desk top instrument case or in systems.
Top and bottom, .05" aluminum; front panel, .09" aluminum. Extruded aluminum frame. Corner gussets for added support. Carrying handle may be used as tilting bail. Front panel, self-adhesive rubber feet and handle/bail included.
Since chassis is reversible, two configurations are possible with one unit. Top and bottom easily removed for access to dust-free interior. Will accommodate an accessory chassis or .06" thick P.C. boards.



MOUSER STOCK NO.	Bud Part No.	Dimensions (In.)			Panel Space (In.)	Price Each
		D	W	H		
563-TR-6100	TR-6100	10.75	8.31	3.50	3.25 x 8.04	178.43
563-TR-6101	TR-6101	13.25	8.31	5.25	5.00 x 8.04	191.03
563-TR-6102	TR-6102	13.25	11.06	7.00	6.75 x 10.82	218.70
563-TR-6103	TR-6103	18.75	12.00	8.00	7.75 x 11.04	264.53

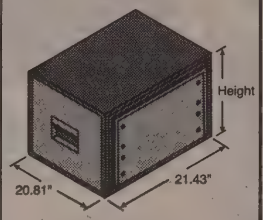
BUD Cabinets, Aluminum Boxes and Handles

CLASSIC II PORTABLE CABINET

Whether used independently or as a companion to the Classic II cabinet rack, the design of this distinctive cabinet harmonizes perfectly with the most sophisticated systems. While it is portable, it is equally effective for permanent installations. Top, bottom and side panels .05" aluminum. Frame, 6063-T5 aluminum extrusions. Accommodates 19.00" panels. Panel Mounting Rails have #10-32 tapped holes on E.I.A. spacing (#7346 screws) Cabinet- 500# equipment load capacity. Carrying handles limited to 100# capacity. Recessed brushed chrome handles are attached to two steel flanges extending the length of the cabinet. This added support assures carrying safety. Two 16-gauge steel vertically adjustable chassis supports included. Shipped completely assembled.

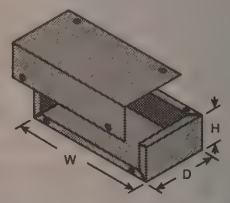
Replace the (__) in the part number with: **GT** for **Gray Texture**, **RB** for **Royal Blue Texture.** Doors available in **WH White Texture** only.

MOUSER STOCK NO.	Bud Part No.	Height (In.)	Panel Space (In.)	Price Each
Cabinet				
563-AGC-9268-__	AGC-9268-__	8.81	7.00	401.00
563-AGC-9269-__	AGC-9269-__	10.56	8.75	406.65
563-AGC-9270-__	AGC-9270-__	12.31	10.50	417.80
563-AGC-9271-__	AGC-9271-__	14.06	12.25	429.15
563-AGC-9272-__	AGC-9272-__	15.81	14.00	440.50
563-AGC-9273-__	AGC-9273-__	17.56	15.75	450.85
563-AGC-9274-__	AGC-9274-__	19.31	17.50	464.95
563-AGC-9275-__	AGC-9275-__	21.06	19.25	475.90
563-AGC-9276-__	AGC-9276-__	22.81	21.00	477.45
563-AGC-9277-__	AGC-9277-__	24.56	22.75	494.55
563-AGC-9278-__	AGC-9278-__	26.31	24.50	508.75
563-AGC-9279-__	AGC-9279-__	28.06	26.25	527.45
563-AGC-9280-__	AGC-9280-__	29.81	28.00	531.10



CONVERTA BOXES

.050" aluminum. Welded base and two-sided cover attached with self-tapping screws. Components or controls can be mounted to any surface. Natural finish.



For quantities of 50 and up, call for

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.)			Price Each			
		D	W	H	1	5	10	
563-CU341A	CU-341-A	3.00	4.00	1.50	11.70	9.75	9.06	
563-CU452A	CU-452-A	4.00	5.00	2.00	12.70	10.60	9.84	
563-CU482A	CU-482-A	4.00	8.00	2.00	14.40	12.00	11.12	1
563-CU592A	CU-592-A	5.00	9.50	2.50	15.80	13.20	12.26	1
563-CU622A	CU-622-A	6.00	12.00	2.50	20.80	17.40	16.12	1
563-CU712A	CU-712-A	7.00	15.00	2.50	28.60	23.90	22.15	2

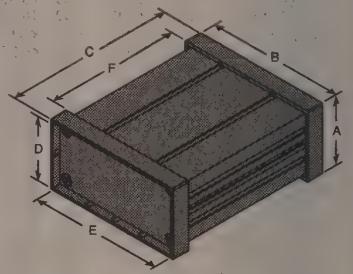
EXTRUDED ALUMINUM BOXES

Features:

- One piece extruded aluminum housing
- Individual aluminum end panels
- ABS plastic panel bezels
- Internal PCB card guides
- Silver housing finish with black plastic bezels

For quantities of 50 and up, call for quote.

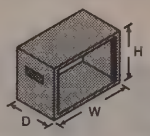
MOUSER STOCK NO.	Bud Part No.	Dimensions (In.)						Price Each			
		A	B	C	D	E	F	1	5	10	25
563-EX-4500	EX-4500	1.57	3.14	3.81	1.14	2.47	3.00	13.00	11.80	10.73	9.75
563-EX-4501	EX-4501	1.57	3.14	5.38	1.14	2.47	4.56	16.50	15.00	13.64	12.40
563-EX-4502	EX-4502	1.57	3.14	6.96	1.14	2.47	6.14	20.00	18.15	16.50	15.00
563-EX-4521	EX-4521	3.18	6.14	5.38	2.80	5.35	4.56	25.00	22.69	20.63	18.75
563-EX-4522	EX-4522	3.18	6.14	6.96	2.80	5.35	6.14	30.50	27.65	25.14	22.85
563-EX-4523	EX-4523	3.18	6.14	9.32	2.80	5.35	8.50	38.50	34.97	31.79	28.90
563-EX-4541	EX-4541	3.82	3.82	5.38	3.42	3.13	4.56	20.50	18.63	16.94	15.40
563-EX-4542	EX-4542	3.82	3.82	6.96	3.42	3.13	6.14	25.50	23.18	21.07	19.15
563-EX-4543	EX-4543	3.82	3.82	9.32	3.42	3.13	8.50	31.50	28.62	26.02	23.65



ECONOCAB

Welded 18 gauge steel construction. Stationary panel mounting rails accepts standard 19 inch wide panels. Available in 5 panel space heights. Snap-in handles and feet are included.

There are two colors available, replace the (__) in the part number with: **BT** for **Black Texture** or **S** for **Sand Texture**



MOUSER STOCK NO.	Bud Part No.	Dimensions (In.)			Panel Space (In.)	Price Each
		D	W	H		
563-EC-9902-__	EC-9902__	15.50	21.06	9.06	7.00	138.35
563-EC-9903-__	EC-9903__	15.50	21.06	10.81	8.75	141.05
563-EC-9904-__	EC-9904__	15.50	21.06	12.56	10.50	144.55
563-EC-9905-__	EC-9905__	15.50	21.06	14.31	12.25	152.05
563-EC-9906-__	EC-9906__	15.50	21.06	16.06	14.00	156.75

HANDLES

Styled for all types of applications, designed for long wear; quality construction equals that of high priced counterparts.

Clear Anodized Aluminum

Hardware: (2) 8-32 x 3/8" screws.

For quantities of 50 and up, call for

MOUSER STOCK NO.	Bud Part No.	Mounting Centers (In.)	Hand Clearance (In.)	Price Each			
				1	5	10	
563-H-9174-B	H-9174-B	4.00	1.09	10.85	9.05	8.56	8
563-H-9176-B	H-9176-B	3.25	0.75	13.60	11.40	10.76	10
563-H-9177-B	H-9177-B	4.38	0.75	16.70	14.00	13.23	12
563-H-9183-B	H-9183-B	4.56	1.09	23.90	20.50	19.43	18

Chrome Plated .37" Diameter Steel

Hardware: (2) 10-32 x 3/8" screws.

563-H-9110-B	H-9110-B	6.00	1.25	8.30	6.95	6.56	6
563-H-9111-B	H-9111-B	4.00	0.94	6.40	5.30	4.99	4
563-H-9112-B	H-9112-B	6.00	0.94	7.80	6.50	6.14	5
563-H-9113-B	H-9113-B	8.00	0.94	10.60	8.85	8.35	7

Chrome Plated .37" Diameter Steel

Hardware: (2) 1/4"-28 hex nuts.

563-H-9116-B	H-9116-B	6.00	0.94	11.20	9.35	8.82	8
563-H-9160-B	H-9160-B	3.50	1.69	12.40	10.35	9.77	9

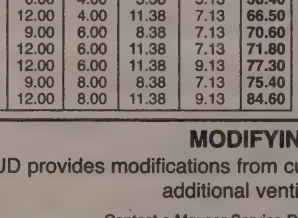
Chrome Plated .25" Diameter Brass

Hardware: (2) 6-32 x 1/2" screws.

563-H-9166-B	H-9166-B	1.91	1.00	6.00	5.00	4.73	4
563-H-9168-B	H-9168-B	3.00	1.00	5.70	4.70	4.46	4

CHAMPION SERIES

- Top, bottom, front, and rear panels, .050" aluminum
- Ventilation slots in bottom and rear panel
- Easily assembled with eight self-threading screws
- No screws on front or rear panels
- Designed to allow for maximum interior space
- Removable top and bottom for easy access to components
- Four self-adhesive rubber feet provided



MOUSER STOCK NO.	Bud Part No.	Out. Dimensions (In.)			Inside Dim. (In.)		Price Each
		D	W	H	A	B	
563-CS-11202-BT	CS-11202-BT	6.00	6.00	4.00	5.38	5.13	56.40
563-CS-11206-BT	CS-11206-BT	8.00	12.00	4.00	11.38	7.13	66.50
563-CS-11208-BT	CS-11208-BT	8.00	9.00	6.00	8.38	7.13	70.60
563-CS-11210-BT	CS-11210-BT	8.00	12.00	6.00	11.38	7.13	71.80
563-CS-11212-BT	CS-11212-BT	10.00	12.00	6.00	11.38	9.13	77.30
563-CS-11214-BT	CS-11214-BT	8.00	9.00	8.00	8.38	7.13	75.40
563-CS-11216-BT	CS-11216-BT	10.00	12.00	8.00	11.38	9.13	84.60

MODIFYING A STANDARD PRODUCT

BUD provides modifications from customer colors to additional heights, widths, and depths; additional ventilation to unique hold configurations.

Contact a Mouser Service Representative about reducing your fabrication expenses.

BUD Desktop Enclosures

IE STYLIST

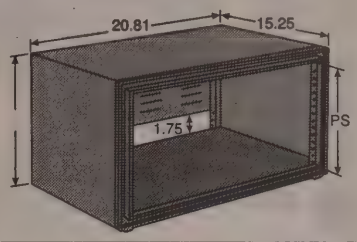
rative aluminum extrusion trim with black insert frames the front of this cleanly designed cabinet. Square corners enhance the unit's contemporary styling and, in turn, enhance the appearance and marketability of your product.

gn Features:
uge steel. Rear fitted with louvered panel; 1.75" high opening for cable access. Front and rear openings accept 19" panels. Self-adhesive feet furnished.
l Mounting Rails have #10-32 tapped holes on E.I.A. universal spacing. (Use #7346 screws -order separately)

e Features:
width box flanges at top and bottom eliminate tilt and sway even when unit is loaded to its full 500-pound capacity. Cold-rolled steel structure is self supporting, no internal framework.

e are two colors available,
ce the (__) in the part number with:
r **Royal Blue Textured** or **GT** for **Gray Textured**

Dimensions (IN.)



MOUSER STOCK NO.	Bud Part No.	Overall Height (In.)	Panel Space (In.)	Price Each 1	2	5	10
-S-1639-__	S-1639-__	7.06	5.25	191.55	172.40	153.25	143.65
-S-1640-__	S-1640-__	8.81	7.00	199.35	179.40	159.50	149.50
-S-1641-__	S-1641-__	10.56	8.75	211.20	190.10	168.95	158.45
-S-1642-__	S-1642-__	12.31	10.50	217.60	195.85	174.10	163.20
-S-1643-__	S-1643-__	14.06	12.25	231.50	208.35	185.20	173.65
-S-1644-__	S-1644-__	15.81	14.00	237.30	213.55	189.85	178.00
-S-1645-__	S-1645-__	17.56	15.75	249.60	224.65	199.70	187.20

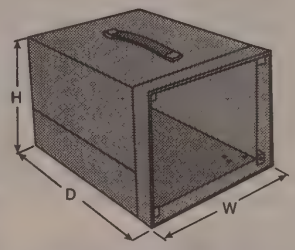
SHOWCASE

design of this Bud unit makes it perfect for your portable instrumentation, yet the versatile, lightweight Showcase will do an effective job as a desktop instrument case, in systems or racks.

gn Features:
sides, and bottom, .05" aluminum; front panel, .09"; rear panel, .05". Extruded aluminum frame. Side gussets provide added strength.
ng, flexible handle is recessed and secured firmly into top for safe handling. Carrying handle limited to 25# load capacity. Ventilation slots under handle.

e Features:
with chassis or PC boards Front panel and chassis may be loaded from front or rear. Comes with front and rear panels and bail.

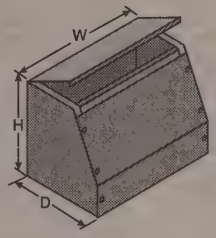
e are two colors available, replace the (__) in the part number with:
r **Black Textured** with White Frame or **RB** for **Royal Blue Textured** with White Frame



MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) D	W	H	Panel Space Front	Rear	Price Each 1	2	5	10
-BB-1800-__	BB-1800-__	11.00	5.50	6.43	6.18 x 5.25	6.00 x 5.15	131.03	122.29	117.92	113.56
-BB-1801-__	BB-1801-__	11.00	8.31	6.43	6.18 x 8.04	6.00 x 7.96	136.73	127.61	123.05	118.50
-BB-1802-__	BB-1802-__	11.00	5.50	8.18	7.93 x 5.25	7.87 x 5.15	139.13	129.85	125.21	120.58
-BB-1803-__	BB-1803-__	11.00	8.31	8.18	7.93 x 8.04	7.87 x 7.96	136.95	123.25	109.55	102.70
-BB-1804-__	BB-1804-__	11.00	11.06	8.18	7.93 x 10.82	7.87 x 10.87	154.28	143.99	138.85	133.71
-BB-1805-__	BB-1805-__	11.00	5.50	9.93	9.68 x 5.25	9.50 x 5.15	138.80	124.90	111.05	104.10
-BB-1806-__	BB-1806-__	11.00	8.31	9.93	9.68 x 8.04	9.50 x 7.96	148.88	138.95	133.99	129.03
-BB-1807-__	BB-1807-__	15.00	8.31	9.93	9.68 x 8.04	9.50 x 7.96	159.45	148.82	143.51	138.19
-BB-1808-__	BB-1808-__	11.00	11.06	9.93	9.68 x 10.82	9.50 x 10.87	155.10	144.76	139.59	134.42
-BB-1809-__	BB-1809-__	15.00	11.06	9.93	9.68 x 10.82	9.50 x 10.87	164.48	153.51	148.03	142.55

SLOPING PANEL CABINETS

ed top opens completely for access
mponents mounted on chassis.

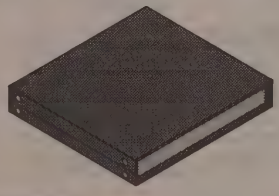


n: Metallic Gray

OUSER OCK NO.	Bud Part No.	Dimensions (In.) D	W	H	Chassis to Fit	Price Each 1	2	5	10
-C-1584	C-1584	7.31	7.06	6.50	AC-402	44.10	36.90	33.20	30.87
-C-1585	C-1585	7.31	9.06	6.50	AC-405	42.50	35.45	31.90	29.75
-C-1586	C-1586	7.31	11.06	6.50	AC-1413	47.60	39.70	35.75	33.32
-C-1587	C-1587	8.00	8.06	8.00	AC-405	48.00	40.15	36.15	33.60
-C-1588	C-1588	8.00	10.06	8.00	AC-406	53.40	44.60	40.15	37.38
-C-1892	C-1892	8.50	13.06	8.00	AC-407	60.23	56.21	54.20	52.20
-C-1893	C-1893	10.50	18.06	10.00	AC-415	88.88	82.95	79.99	77.03
-C-1894	C-1894	8.00	14.06	8.00	AC-409	54.90	51.24	49.41	47.58
-C-1896	C-1896	8.18	18.06	9.00	AC-1416	76.43	71.33	68.78	66.24

SLIMCAB

gn Features:
r: .050" aluminum, panels: .120" "Surface Shield"
num. Sides vented for cooling. Five sizes available, all 1U
") high. Suitable for desktop or 19" rack mount use with
al brackets.



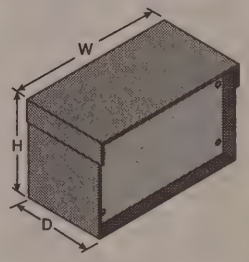
are two colors available,
e the (__) in the part number with:
Sand Textured with White Frame or **B** for **Smooth Black** with White Frame

MOUSER STOCK NO.	Bud Part No.	Size (In.)	Price Each 1	2	5	10
-CS-11221-S	CS-11221-__	8.50"x 8.00"	63.40	52.90	47.60	39.70
-CS-11223-S	CS-11223-__	8.50"x 16.00"	83.40	69.60	62.65	52.25
-CS-11225-S	CS-11225-__	17.00"x 8.00"	83.40	69.60	62.65	52.25
-CS-11227-S	CS-11227-__	17.00"x 16.00"	112.50	93.90	84.50	70.45
cket						
-CS-11230-S	CS-11230-__	---	18.40	15.35	13.80	11.50

SHADOW CABINET

Design Features:
Tops, sides and bottom, 18 gauge steel, panels, 16 gauge steel. Front, rear panels and bottom removable. Rubber feet furnished.

Bonus Features:
Recessed front panel and beveled edges of body provide handsome styling, and prevent accidental movement of controls, knobs, switches, etc.



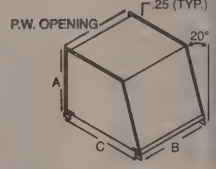
Finish: Metallic Gray

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) D	W	H	Price Each 1	2	5	10
563-SB-2140	SB-2140	10.00"	14.25"	8.00"	85.65	77.10	68.50	64.25
563-SB-2141	SB-2141	9.00"	13.25"	7.50"	71.70	64.55	57.35	53.80
563-SB-2142	SB-2142	11.00"	17.00"	9.50"	96.40	86.75	77.10	72.30
563-SB-2143	SB-2143	9.00"	15.50"	6.00"	68.95	62.05	55.15	51.70

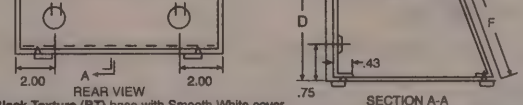
SLOPE ENCLOSURES

The clean, contemporary design of both units gives you excellent visibility of panel mounted components.

Bonus Features:
Two Piece Design
Base: .090" aluminum. Cover: .050" aluminum.
Rubber feet furnished



Dimensions (IN.)



Finish: **Black Texture (BT)** base with Smooth White cover.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) A	B	C	D	E	F	PW	Price Each 1	2	5
563-SC-12100	SC-12100	4.25	4.93	5.00	3.87	3.06	4.12	4.75	32.18	30.03	28.96
563-SC-12101	SC-12101	3.25	11.93	10.00	2.87	8.43	3.06	11.75	57.83	53.97	52.04

BUD Small Metal Enclosures

MINIBOXES

These items are provided with a removable, white, pressure sensitive, paper that protects the finish and provides a surface for laying out drilling and punching positions.

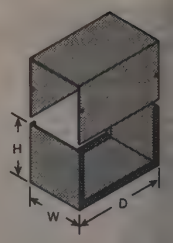
.040" aluminum alloy. Two sections slip together and may be joined by either built-in snap lock or sheet metal screws (included). Flanged sections assure proper shielding. Units can be used as separate housings or as part of larger assemblies.

Natural Finish

Smooth Gray Finish

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) D	W	H	Price Each 1	10	100	250	MOUSER STOCK NO.	Bud Part No.	Price Each 1	10	100	250
563-CU-3000A	CU-3000-A	2.75	2.13	1.63	2.63	2.45	2.36	2.28	563-CU-2100B	CU-2100-B	3.98	3.71	3.58	3.45
563-CU-3001A	CU-3001-A	3.25	2.13	1.63	2.93	2.73	2.63	2.54	563-CU-2101B	CU-2101-B	4.05	3.78	3.65	3.51
563-CU-3002A	CU-3002-A	4.00	2.13	1.63	3.23	3.01	2.90	2.80	563-CU-2102B	CU-2102-B	4.20	3.92	3.78	3.64
563-CU-3003A	CU-3003-A	4.00	2.25	2.25	3.45	3.22	3.11	2.99	563-CU-2103B	CU-2103-B	4.35	4.06	3.92	3.77
563-CU-3004A	CU-3004-A	5.00	2.25	2.25	4.13	3.85	3.71	3.58	563-CU-2104B	CU-2104-B	4.95	4.62	4.46	4.29
563-CU-3005A	CU-3005-A	5.00	4.00	3.00	5.25	4.90	4.73	4.55	563-CU-2105B	CU-2105-B	6.38	5.95	5.74	5.53
563-CU-3006A	CU-3006-A	5.25	3.00	2.13	4.20	3.92	3.78	3.64	563-CU-2106B	CU-2106-B	5.18	4.83	4.66	4.49
563-CU-3007A	CU-3007-A	6.00	5.00	4.00	7.50	7.00	6.75	6.50	563-CU-2107B	CU-2107-B	9.00	8.40	8.10	7.80
563-CU-3008A	CU-3008-A	7.00	5.00	3.00	6.75	6.30	6.08	5.85	563-CU-2108B	CU-2108-B	8.70	8.12	7.83	7.54
563-CU-3009A	CU-3009-A	8.00	6.00	3.50	10.58	9.87	9.52	9.17	563-CU-2109B	CU-2109-B	17.48	16.31	15.73	15.15
563-CU-3010A	CU-3010-A	10.00	6.00	3.50	13.35	12.46	12.02	11.57	563-CU-2110B	CU-2110-B	18.53	17.29	16.67	16.06
563-CU-3011A	CU-3011-A	12.00	7.00	4.00	16.88	15.75	15.19	14.63	563-CU-2111B	CU-2111-B	24.53	22.89	22.07	21.26



ECONOBOX

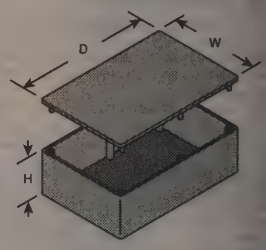
Bud offers fifteen box sizes, each with a close fitting flanged cover fastened to bosses in the body with screws. This, plus the thickness of the #ADC-10 aluminum alloy, offers excellent screeni properties. These lightweight easy to machine enclosures have a number of uses: instrument and meter cases, filter networks, junction bosses, switching and many other applications requiring small box. In addition, they're ideal for concealed or other interior use where a safety closure is necessary. Finish: Natural or Gray.

Natural Finish

Gray

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) D	W	H	Price Each 1	10	100	250	MOUSER STOCK NO.	Bud Part No.	Price Each 1	10	100	250
563-CU-123	CU-123	3.63	1.50	1.06	6.90	5.75	5.20	4.60	563-CU-123G	CU-123-G	7.80	6.45	5.80	5.15
563-CU-124	CU-124	4.37	2.37	1.06	7.20	6.05	5.45	4.85	563-CU-124G	CU-124-G	9.00	7.45	6.70	5.95
563-CU-234	CU-234	4.68	3.68	2.06	11.60	9.65	8.70	7.70	563-CU-234G	CU-234-G	12.90	10.70	9.65	8.55
563-CU-247	CU-247	7.39	4.70	2.06	19.60	16.35	14.70	13.10	563-CU-247G	CU-247-G	23.20	19.25	17.35	15.40
563-CU-347	CU-347	7.39	4.70	3.06	23.00	19.20	17.30	15.35	563-CU-347G	CU-347-G	28.10	23.30	20.95	18.65
563-CU-470	CU-470	2.00	2.00	1.09	5.30	4.40	3.95	3.50	563-CU-470G	CU-470-G	8.50	7.05	6.35	5.65
563-CU-471	CU-471	4.33	3.25	1.59	8.40	6.95	6.25	5.55	563-CU-471G	CU-471-G	10.90	9.05	8.15	7.25
563-CU-472	CU-472	4.75	3.15	2.17	10.70	8.90	8.00	7.10	563-CU-472G	CU-472-G	12.90	10.70	9.65	8.55
563-CU-473	CU-473	4.68	3.68	1.18	9.40	7.80	7.00	6.25	563-CU-473G	CU-473-G	11.40	9.45	8.50	7.55
563-CU-474	CU-474	4.75	4.75	2.17	14.30	11.85	10.65	9.50	563-CU-474G	CU-474-G	19.40	16.10	14.50	12.90
563-CU-475	CU-475	4.75	4.75	3.59	17.90	14.85	13.35	11.90	563-CU-475G	CU-475-G	24.30	20.15	18.15	16.10
563-CU-476	CU-476	6.00	3.25	1.84	14.00	11.60	10.45	9.30	563-CU-476G	CU-476-G	17.30	14.35	12.90	11.50
563-CU-477	CU-477	7.39	4.70	1.34	16.30	13.55	12.20	10.85	563-CU-477G	CU-477-G	20.70	17.20	15.50	13.75
563-CU-478	CU-478	7.50	7.50	2.46	25.10	20.85	18.75	16.70	563-CU-478G	CU-478-G	31.60	26.25	23.65	21.00
563-CU-479	CU-479	4.37	3.37	1.98	9.50	7.90	7.10	6.30	563-CU-479G	CU-479-G	12.80	10.60	9.55	8.50



With Mounting Bracket

Mounts to wall or panel with #10 size screws (not furnished). Heavy duty .09 thick external wall mounting bracket. Finish: Natural or Black

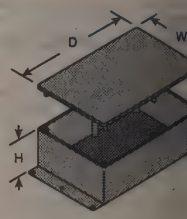
Natural Finish

Black

For quantities of 500 and up, call for quote.

NEW FROM SUPPLIER

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) D	W	H	Price Each 1	10	100	250	MOUSER STOCK NO.	Bud Part No.	Price Each 1	10	100	250
563-CU-4123	CU-4123	3.63	1.50	1.06	10.90	9.10	8.20	7.30	563-CU-4123-B	CU-4123-B	11.85	9.85	8.85	7.90
563-CU-4124	CU-4124	4.37	2.37	1.06	13.20	11.00	9.90	8.80	563-CU-4124-B	CU-4124-B	14.30	11.90	10.70	9.50
563-CU-4234	CU-4234	4.68	3.68	2.06	17.40	14.50	13.05	11.60	563-CU-4234-B	CU-4234-B	19.40	16.15	14.55	12.90
563-CU-4247	CU-4247	7.39	4.70	2.06	23.20	19.35	17.40	15.50	563-CU-4247-B	CU-4247-B	26.70	22.25	20.05	17.80
563-CU-4347	CU-4347	7.39	4.70	3.06	27.10	22.60	20.35	18.10	563-CU-4347-B	CU-4347-B	30.60	25.50	22.95	20.40
563-CU-4470	CU-4470	2.00	2.00	1.09	9.90	8.25	7.45	6.60	563-CU-4470-B	CU-4470-B	10.60	8.85	7.95	7.10
563-CU-4471	CU-4471	4.33	3.25	1.59	14.70	12.25	11.05	9.80	563-CU-4471-B	CU-4471-B	16.50	13.75	12.40	11.00
563-CU-4472	CU-4472	4.75	3.15	2.17	17.10	14.25	12.85	11.40	563-CU-4472-B	CU-4472-B	19.40	16.15	14.55	12.90
563-CU-4473	CU-4473	4.68	3.68	1.18	16.10	13.40	12.05	10.70	563-CU-4473-B	CU-4473-B	18.10	15.10	13.60	12.10
563-CU-4474	CU-4474	4.75	4.75	2.17	21.10	17.60	15.85	14.10	563-CU-4474-B	CU-4474-B	24.00	20.00	18.00	16.00
563-CU-4475	CU-4475	4.75	4.75	3.59	24.40	20.35	18.30	16.30	563-CU-4475-B	CU-4475-B	27.30	22.75	20.50	18.20
563-CU-4476	CU-4476	6.00	3.25	1.84	20.40	17.00	15.30	13.60	563-CU-4476-B	CU-4476-B	22.70	18.90	17.00	15.10
563-CU-4477	CU-4477	7.39	4.70	1.34	21.30	17.75	16.00	14.20	563-CU-4477-B	CU-4477-B	24.80	20.65	18.60	16.50
563-CU-4478	CU-4478	7.50	7.50	2.46	33.70	28.10	25.30	22.50	563-CU-4478-B	CU-4478-B	38.20	31.85	28.65	25.50
563-CU-4479	CU-4479	4.37	3.37	1.98	15.70	13.10	11.80	10.50	563-CU-4479-B	CU-4479-B	16.80	14.00	12.60	11.20



With Mounting Bracket Cover

External mounting brackets are cast into the cover allowing the box to be mounted on a wall or panel. Finish: Natural or Black

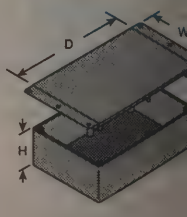
Natural Finish

Black

For quantities of 500 and up, call for quote.

NEW FROM SUPPLIER

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) D	W	H	Price Each 1	10	100	250	MOUSER STOCK NO.	Bud Part No.	Price Each 1	10	100	250
563-CU-5123	CU-5123	3.63	1.50	1.06	5.80	4.85	4.35	3.90	563-CU-5123-B	CU-5123-B	8.50	7.10	6.40	5.70
563-CU-5124	CU-5124	4.37	2.37	1.06	8.10	6.75	6.10	5.40	563-CU-5124-B	CU-5124-B	11.40	9.50	8.55	7.60
563-CU-5234	CU-5234	4.68	3.68	2.06	12.00	10.00	9.00	8.00	563-CU-5234-B	CU-5234-B	15.60	13.00	11.70	10.40
563-CU-5247	CU-5247	7.39	4.70	2.06	19.70	16.45	14.80	13.15	563-CU-5247-B	CU-5247-B	26.90	22.45	20.20	17.95
563-CU-5347	CU-5347	7.39	4.70	3.06	23.80	19.85	17.85	15.90	563-CU-5347-B	CU-5347-B	32.20	26.85	24.15	21.50
563-CU-5470	CU-5470	2.00	2.00	1.09	4.90	4.10	3.70	3.30	563-CU-5470-B	CU-5470-B	7.50	6.25	5.65	5.00
563-CU-5471	CU-5471	4.33	3.25	1.59	9.30	7.75	7.00	6.20	563-CU-5471-B	CU-5471-B	12.50	10.45	9.40	8.35
563-CU-5472	CU-5472	4.75	3.15	2.17	12.10	10.10	9.10	8.10	563-CU-5472-B	CU-5472-B	15.80	13.20	11.90	10.55
563-CU-5473	CU-5473	4.68	3.68	1.18	10.60	8.85	7.95	7.10	563-CU-5473-B	CU-5473-B	14.00	11.70	10.55	9.35
563-CU-5474	CU-5474	4.75	4.75	2.17	15.60	13.00	11.70	10.40	563-CU-5474-B	CU-5474-B	22.70	18.95	17.05	15.15
563-CU-5475	CU-5475	4.75	4.75	3.59	19.20	16.00	14.40	12.80	563-CU-5475-B	CU-5475-B	28.10	23.45	21.10	18.75
563-CU-5476	CU-5476	6.00	3.25	1.84	15.30	12.75	11.50	10.20	563-CU-5476-B	CU-5476-B	20.60	17.20	15.50	13.75
563-CU-5477	CU-5477	7.39	4.70	1.34	17.60	14.70	13.25	11.75	563-CU-5477-B	CU-5477-B	24.20	20.20	18.20	16.15
563-CU-5478	CU-5478	7.50	7.50	2.46	26.30	21.95	19.75	17.55	563-CU-5478-B	CU-5478-B	36.00	30.05	27.05	24.05
563-CU-5479	CU-5479	4.37	3.37	1.98	10.70	8.95	8.05	7.15	563-CU-5479-B	CU-5479-B	14.20	11.85	10.65	9.50



BUD PORTACABS

.050" aluminum. Front panel recessed 1/2" and fits contour of cabinet.Louvered sides. Welded back has opening. Four plastic feet furnished. Designed for bench or portable use. Light weight, yet strong. Reinforced flexible metal handle recessed to permit stacking. Finish: Metallic Gray.

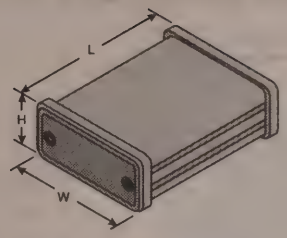
MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) D	W	H	Rec. Bud Chassis	Panel Space (In.)	Rear Opening	Louvers Per Side	Price Each 1	5	10	25	50
563-WA-1540	WA-1540	8.00	6.13	8.00	563-AC-402	5.92 x 7.80	2.00 x 4.50	1 set	61.20	57.12	55.08	53.04	Call for Quote
563-WA-1541	WA-1541	12.00	8.13	9.00	563-AC-407	7.92 x 8.80	2.00 x 6.50	2 sets	84.45	78.82	76.01	73.19	
563-WA-1542	WA-1542	8.00	10.13	8.00	563-AC-406	9.92 x 7.80	2.00 x 8.50	1 set	71.85	67.06	64.67	62.27	
563-WA-1543	WA-1543	18.00	11.13	11.00	563-AC-416	10.92 x 10.80	2.00 x 9.50	3 sets	115.20	107.52	103.68	99.84	

HAMMOND Metal Enclosures

HAMMOND MANUFACTURING

EXTRUDED ALUMINUM CASES

signed to house P.C. boards or for equipment interfacing.
ed for standard Eurocards. P.C. boards mount horizontally by sliding into internal slots extruded into the enclosure body.
dy constructed from extruded, anodized aluminum with a minimum thickness of .06 (1.5 mm).
hardware and rubber feet included



h Metal End Plates

o aluminum end panels
o black ABS plastic bezels (your option to install)

For quantities of 200 and up, call for quote.

USER STOCK NO. Clear Anodized	Hammond Part No.	Price Each 1	10	50	100	MOUSER STOCK NO. Black Anodized	Hammond Part No.	Price Each 1	10	50	100	Dimensions (In.) L	W	H
-1455C801	1455C801	9.84	8.32	7.73	7.21	546-1455C801BK	1455C801BK	10.56	8.94	8.30	7.75	3.15	2.13	0.91
-1455C1201	1455C1201	10.49	8.88	8.24	7.69	546-1455C1201BK	1455C1201BK	11.35	9.60	8.91	8.32	4.72	2.13	0.91
-1455J1201	1455J1201	13.65	11.27	10.51	9.76	546-1455J1201BK	1455J1201BK	13.65	11.27	10.51	9.76	4.72	3.07	1.06
-1455K1201	1455K1201	14.11	11.94	11.09	10.35	546-1455K1201BK	1455K1201BK	15.49	13.11	12.17	11.36	4.72	3.07	1.69
-1455L1201	1455L1201	15.75	12.59	11.82	10.91	546-1455L1201BK	1455L1201BK	17.18	13.97	12.90	12.29	4.72	4.06	1.20
-1455N1201	1455N1201	15.75	13.32	12.37	11.55	546-1455N1201BK	1455N1201BK	17.18	14.54	13.50	12.60	4.72	4.06	2.09
-1455J1601	1455J1601	15.25	10.19	9.51	8.83	546-1455J1601BK	1455J1601BK	16.93	14.64	13.31	12.10	6.30	3.07	1.06
-1455K1601	1455K1601	15.71	13.29	12.34	11.52	546-1455K1601BK	1455K1601BK	17.38	14.71	13.66	12.75	6.30	3.07	1.69
-1455L1601	1455L1601	17.71	15.32	13.92	11.26	546-1455L1601BK	1455L1601BK	19.28	16.07	14.99	13.92	6.30	4.06	1.20
-1455N1601	1455N1601	17.71	14.98	13.91	12.99	546-1455N1601BK	1455N1601BK	19.47	16.48	15.30	14.28	6.30	4.06	2.09
-1455L2201	1455L2201	20.11	17.39	15.82	8.81	546-1455L2201BK	1455L2201BK	22.24	19.24	17.49	15.89	8.66	4.06	1.20
-1455N2201	1455N2201	20.11	17.02	15.80	14.75	546-1455N2201BK	1455N2201BK	22.24	18.82	17.47	16.31	8.66	4.06	2.09
-1455P1601	1455P1601	19.16	15.81	14.37	13.41	546-1455P1601BK	1455P1601BK	22.14	18.27	16.61	15.50	6.30	4.74	1.20
-1455Q1601	1455Q1601	21.00	17.33	15.75	14.70	546-1455Q1601BK	1455Q1601BK	24.70	20.38	18.53	17.29	6.30	4.74	2.03
-1455R1601	1455R1601	22.38	18.46	16.79	15.67	546-1455R1601BK	1455R1601BK	25.06	20.67	18.80	17.54	6.30	6.30	1.20
-1455T1601	1455T1601	22.72	18.74	17.04	15.90	546-1455T1601BK	1455T1601BK	25.54	21.07	19.16	17.88	6.30	6.30	2.03
-1455P2201	1455P2201	21.70	17.90	16.28	15.19	546-1455P2201BK	1455P2201BK	24.60	20.30	18.45	17.22	8.66	4.74	1.20
-1455Q2201	1455Q2201	24.00	19.80	18.00	16.80	546-1455Q2201BK	1455Q2201BK	27.58	22.75	20.69	19.31	8.66	4.74	2.03
-1455R2201	1455R2201	25.04	20.66	18.78	17.53	546-1455R2201BK	1455R2201BK	27.80	22.94	20.85	19.46	8.66	6.30	1.20
-1455T2201	1455T2201	25.54	21.07	19.16	17.88	546-1455T2201BK	1455T2201BK	28.36	23.40	21.27	19.85	8.66	6.30	2.03

h Plastic End Panels

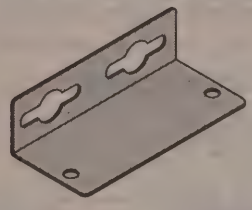
cludes two-easy-to machine, black solid ABS plastic end panels (with integral bezel)

For quantities of 200 and up, call for quote.

USER STOCK NO. Clear Anodized	Hammond Part No.	Price Each 1	10	50	100	MOUSER STOCK NO. Black Anodized	Hammond Part No.	Price Each 1	10	50	100	Dimensions (In.) L	W	H
-1455C802	1455C802	7.85	6.65	6.17	5.76	546-1455C802BK	1455C802BK	9.33	7.89	7.30	6.84	3.15	2.13	0.91
-1455C1202	1455C1202	8.13	6.88	6.39	5.96	546-1455C1202BK	1455C1202BK	8.62	7.29	6.77	6.32	4.72	2.13	0.91
-1455J1202	1455J1202	10.29	8.49	7.92	7.36	546-1455J1202BK	1455J1202BK	11.16	9.75	8.87	8.06	4.72	3.07	1.06
-1455K1202	1455K1202	10.75	9.09	8.44	7.88	546-1455K1202BK	1455K1202BK	11.73	9.92	9.21	8.60	4.72	3.07	1.69
-1455L1202	1455L1202	11.73	10.66	9.69	8.81	546-1455L1202BK	1455L1202BK	13.15	11.22	10.47	9.72	4.72	4.06	1.20
-1455N1202	1455N1202	12.33	10.43	9.69	9.04	546-1455N1202BK	1455N1202BK	13.35	11.29	10.49	9.79	4.72	4.06	2.09
-1455J1602	1455J1602	11.32	10.29	9.35	8.50	546-1455J1602BK	1455J1602BK	13.15	11.22	10.47	9.72	6.30	3.07	1.06
-1455K1602	1455K1602	12.35	10.45	9.70	9.05	546-1455K1602BK	1455K1602BK	13.60	11.51	10.69	9.97	6.30	3.07	1.69
-1455L1602	1455L1602	13.60	12.36	11.24	10.21	546-1455L1602BK	1455L1602BK	15.75	12.59	11.74	11.18	6.30	4.06	1.20
-1455N1602	1455N1602	14.29	12.09	11.23	10.48	546-1455N1602BK	1455N1602BK	15.64	13.23	12.29	11.47	6.30	4.06	2.09
-1455L2202	1455L2202	16.69	13.77	12.85	11.93	546-1455L2202BK	1455L2202BK	16.69	13.77	12.85	11.93	8.66	4.06	1.20
-1455N2202	1455N2202	16.69	14.12	13.11	12.24	546-1455N2202BK	1455N2202BK	18.40	15.57	14.46	13.49	8.66	4.06	2.09
-1455P1602	1455P1602	16.76	13.83	12.57	11.73	546-1455P1602BK	1455P1602BK	19.36	15.97	14.52	13.55	6.30	4.74	1.20
-1455Q1602	1455Q1602	18.40	15.18	13.80	12.88	546-1455Q1602BK	1455Q1602BK	21.72	17.92	16.29	15.20	6.30	4.74	2.03
-1455R1602	1455R1602	17.52	14.45	13.14	12.26	546-1455R1602BK	1455R1602BK	20.16	16.63	15.12	14.11	6.30	6.30	1.20
-1455T1602	1455T1602	17.70	14.60	13.28	12.39	546-1455T1602BK	1455T1602BK	20.46	16.88	15.35	14.32	6.30	6.30	2.10
-1455P2202	1455P2202	19.30	15.92	14.48	13.51	546-1455P2202BK	1455P2202BK	21.82	18.00	16.37	15.27	8.66	4.74	1.20
-1455Q2202	1455Q2202	21.40	17.66	16.05	14.98	546-1455Q2202BK	1455Q2202BK	24.60	20.30	18.45	17.22	8.66	4.74	2.03
-1455R2202	1455R2202	20.40	16.83	15.30	14.28	546-1455R2202BK	1455R2202BK	23.16	19.11	17.37	16.21	8.66	6.30	1.20
-1455T2202	1455T2202	20.76	17.13	15.57	14.53	546-1455T2202BK	1455T2202BK	23.54	19.42	17.66	16.48	8.66	6.30	2.10

lmount Kits for Extruded Aluminum Cases

signed to convert the 1455 series enclosures where
ll or wall mounting is required
nges are .064" (1.6 mm) thick aluminum foot "L"
ckets and attach to each end, replacing the
minum end panels
ish available in both clear & black
dized to match enclosure
d in pairs

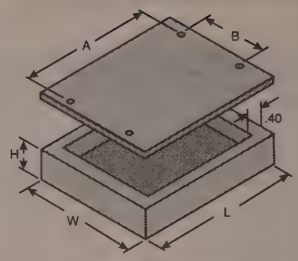


For quantities of 200 and up, call for quote.

USER STOCK NO. Clear Anodized	Hammond Part No.	Price Each 1	10	50	100	MOUSER STOCK NO. Black Anodized	Hammond Part No.	Price Each 1	10	50	100	Use With Enclosure Any Part Above Starting With:
-1455CF	1455CF	9.00	7.43	6.75	6.30	546-1455CFBK	1455CFBK	9.50	7.84	7.13	6.65	1455C
-1455JF	1455JF	9.50	7.84	7.13	6.65	546-1455JFBK	1455JFBK	10.00	8.25	7.50	7.00	1455J
-1455KF	1455KF	10.00	8.25	7.50	7.00	546-1455KFBK	1455KFBK	10.50	8.66	7.88	7.35	1455K
-1455LF	1455LF	10.50	8.66	7.88	7.35	546-1455LFBK	1455LFBK	11.00	9.08	8.25	7.70	1455L
-1455NF	1455NF	11.00	9.08	8.25	7.70	546-1455NFBK	1455NFBK	11.50	9.49	8.63	8.05	1455N
-1455RF	1455RF	11.50	9.49	8.63	8.05	546-1455RFBK	1455RFBK	12.00	9.90	9.00	8.40	1455R
-1455TF	1455TF	12.00	9.90	9.00	8.40	546-1455TFBK	1455TFBK	12.50	10.31	9.38	8.75	1455T

ALUMINUM CHASSIS CASES AND COVERS

- Spot welded heavy duty construction chassis
- Cover punched with 4 holes (hardware not provided)
- Natural finish



"A" and "B" dimensions are hole center to hole center

DIMENSIONS (

Aluminum Chassis Cases

MOUSER STOCK NO.	Mfr. Part No.	Dimensions (In.) L	W	H	Price Each 1	10	100	250
546—1444-6		4	4	2	7.91	6.69	6.21	5.80
546—1444-8		6	4	2	8.11	6.87	6.38	5.95
546—1444-9		8	4	1	8.45	7.15	6.64	6.20
546—1444-10		8	4	2	8.66	7.33	6.80	6.35
546—1444-12		7	5	2	8.86	7.50	6.96	6.50
546—1444-14		9	5	2	10.69	9.05	8.40	7.84
546—1444-15		10	6	1	9.33	7.89	7.33	6.84
546—1444-16		10	6	2	11.59	9.81	9.11	8.50
546—1444-18		13.5	5	2	12.27	10.38	9.64	9.00
546—1444-20		17	4	3	20.32	17.19	15.96	14.90
546—1444-22		12	8	2	20.22	17.11	15.89	14.83
546—1444-24		12	8	3	20.45	17.31	16.07	15.00
546—1444-26		16	8	2	20.39	17.25	16.02	14.95
546—1444-28		16	8	3	24.27	20.54	19.07	17.80
546—1444-29		12	10	2	20.35	17.22	15.99	14.92
546—1444-30		17	10	2	23.59	19.96	18.54	17.30
546—1444-32		17	10	3	27.61	23.37	21.70	20.25
546—1444-33		17	10	4	39.82	33.69	31.29	29.20

Aluminum Covers

For quantities of 500 and up, call for q

MOUSER STOCK NO.	Mfr. Part No.	Dimensions (In.) A	B	Price Each 1	10	100	25
546—1434-6		3.6	3.0	3.82	3.23	3.00	2.8
546—1434-8		5.6	3.0	4.09	3.46	3.21	3.0
546—1434-10		7.6	3.0	3.89	3.29	3.05	2.8
546—1434-10		7.6	3.0	3.89	3.29	3.05	2.8
546—1434-12		6.6	3.0	4.01	3.39	3.15	2.9
546—1434-14		8.6	3.0	4.09	3.46	3.21	3.0
546—1434-16		9.6	4.0	6.14	5.19	4.82	4.5
546—1434-16		9.6	4.0	6.14	5.19	4.82	4.5
546—1434-18		13.1	3.0	6.55	5.54	5.14	4.8
546—1434-20		16.6	3.0	6.61	5.60	5.20	4.8
546—1434-22		11.6	6.0	8.66	7.33	6.80	6.3
546—1434-22		11.6	6.0	8.66	7.33	6.80	6.3
546—1434-26		15.6	6.0	8.66	7.33	6.80	6.3
546—1434-26		15.6	6.0	8.66	7.33	6.80	6.3
546—1434-29		11.6	8.0	8.66	7.33	6.80	6.3
546—1434-30		16.6	8.0	9.18	7.77	7.21	6.7
546—1434-30		16.6	8.0	9.18	7.77	7.21	6.7
546—1434-30		16.6	8.0	9.18	7.77	7.21	6.7

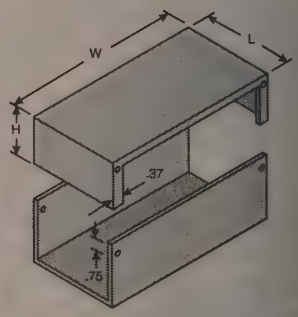
DIMENSIONS (

ALUMINUM UTILITY CASES

- .040" thick aluminum
- Four self-tapping screws included
- Unpainted: Protected w/ plastic skin cover to ensure a high quality finish
- Painted: ASA 61 gray baked enamel finish. (outside only)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Painted	Price Each 1	10	100	250	MOUSER STOCK NO. Unpainted	Price Each 1	10	100	250	Dimensions (In.) L	W	H
546-1411B	5.00	4.16	3.84	3.57	546-1411BU	3.24	2.70	2.49	2.31	2.70	2.20	1.60
546-1411C	5.07	4.22	3.90	3.62	546-1411CU	3.45	2.88	2.65	2.46	3.20	2.20	1.10
546-1411D	5.10	4.25	3.92	3.64	546-1411DU	3.72	3.10	2.86	2.66	3.20	2.20	1.60
546-1411F	5.59	4.66	4.30	4.00	546-1411FU	4.17	3.48	3.21	2.98	4.00	2.20	3.00
546-1411G	5.30	4.41	4.07	3.78	546-1411GU	4.02	3.35	3.09	2.87	4.00	2.20	1.60
546-1411H	5.39	4.49	4.14	3.85	546-1411HU	4.32	3.60	3.32	3.09	4.00	2.20	2.20
546-1411K	6.18	5.15	4.75	4.41	546-1411KU	5.36	4.46	4.12	3.83	5.00	2.20	2.20
546-1411L	8.04	6.70	6.18	5.74	546-1411LU	6.66	5.55	5.12	4.76	5.00	4.00	3.00
546-1411M	9.00	7.50	6.92	6.43	546-1411MU	7.50	6.25	5.77	5.36	6.00	3.00	3.00
546-1411N	6.57	5.48	5.05	4.69	546-1411NU	5.30	4.41	4.07	3.78	5.00	3.00	2.20
546-1411P	11.27	9.39	8.67	8.05	546-1411PU	9.51	7.93	7.32	6.79	6.00	5.00	4.00
546-1411Q	10.98	9.15	8.45	7.84	546-1411QU	6.39	5.33	4.92	4.56	7.00	5.00	3.00
546-1411R	18.00	15.00	13.85	12.86	546-1411RU	13.43	11.19	10.33	9.59	8.00	6.00	3.50
546-1411S	16.50	13.75	12.69	11.79	546-1411SU	12.00	10.00	9.23	8.57	8.00	4.00	3.00
546-1411T	18.07	15.06	13.90	12.91	546-1411TU	13.50	11.25	10.38	9.64	10.00	2.20	1.60
546-1411U	21.91	18.26	16.86	15.65	546-1411UU	16.86	14.05	12.97	12.04	10.00	6.00	3.50
546-1411W	21.00	17.50	16.15	15.00	546-1411WU	16.50	13.75	12.69	11.79	12.00	3.00	2.20
546-1411X	26.25	21.88	20.19	18.75	546-1411XU	21.36	17.80	16.43	15.26	12.00	7.00	4.00
546-1411Z	28.50	23.75	21.92	20.36	546-1411ZU	24.00	20.00	18.46	17.14	17.00	5.00	4.00



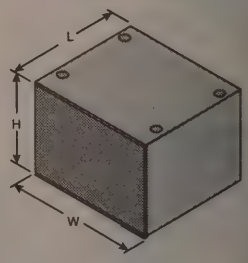
DIMENSIONS

STEEL UTILITY CASES

- Sizes A to E are 20 gauge 0.036 thick steel.
- Sizes F to J are 18 gauge 0.048 thick steel.
- Self-tapping screws included.
- ASA 61 gray baked powder paint.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions (In.) L	W	H	Price Each 1	5	25	100
546-1415A	1415A	2	4	4	10.87	8.97	8.37	7.77
546-1415B	1415B	3	4	5	11.05	9.12	8.51	7.90
546-1415C	1415C	4	6	5	14.05	11.60	10.82	10.05
546-1415D	1415D	6	6	6	21.55	17.78	16.59	15.41
546-1415E	1415E	5	9	6	23.32	19.25	17.96	16.68
546-1415F	1415F	7	10	8	35.29	29.12	27.17	25.23
546-1415H	1415H	8	10	10	45.44	37.49	34.99	32.49
546-1415G	1415G	6	12	7	35.10	28.97	27.03	25.10
546-1415I	1415I	8	12	11	51.22	42.26	39.44	36.62
546-1415J	1415J	7	15	9	50.15	41.39	38.63	35.87



HAMMOND MANUFACTURING

ALUMINUM INSTRUMENT CASES

nd bottom made from 12 gauge aluminum finished in contempra grey.
nd bottom are attached to an internal aluminum extrusion which contains mounting slots for printed circuit boards or panels.
and rear panels are natural aluminum (paper coated one side) which are attached with screws to the aluminum mounting extrusion.
ls can be easily removed for access to components.
and bottoms are available in solid or with vent slots.
rdware and self-adhesive rubber feet are included.

Top and Base

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	5	25	100
402B	1402B	A	4.9	7.1	2.4	38.03	31.37	28.52	26.62
402D	1402D	A	7.3	7.1	2.4	41.58	34.30	31.19	29.11
402F	1402F	A	10.3	7.1	3.1	50.25	41.46	37.69	35.18
402H	1402H	A	7.3	10.0	3.9	48.69	40.17	36.52	34.08
402K	1402K	A	9.6	10.0	3.9	57.29	47.26	42.96	40.10

ed Top and Base

For quantities of 250 and up, call for quote.

OUSER CK NO.	Hammond Part No.	Fig.	Dimensions (In.)			P.C. Card Clearance	Fits Eurocard Sizes (mm)	Price Each			
			L	W	H			1	5	25	100
402BV	1402BV	A	4.9	7.1	2.4	6.34	160 x 100	39.33	32.45	29.50	27.53
402DV	1402DV	A	7.3	7.1	2.4	6.34	160 x 160	42.93	35.42	32.20	30.05
402FV	1402FV	A	10.3	7.1	3.1	6.34	160 x 234	51.60	42.57	38.70	36.12
402HV	1402HV	A	7.3	10.0	3.9	9.25	234 x 160	50.54	41.69	37.90	35.37
402KV	1402KV	A	9.6	10.0	3.9	9.25	234 x 220	59.13	48.78	44.35	41.39

ALUMINUM SLOPED INSTRUMENT CONSOLES

ured baked enamel, ventilated bottom with wrap around sides.
plied with hardware and rubber feet.
r: base = blue; panel = white

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)				Slope	Price Each			
			L	W	H	A		1	5	25	100
456PH3WHBU	1456PH3WHBU	B	8.3	14	3	1.3	15°	27.26	23.06	21.42	19.99
456PL3WHBU	1456PL3WHBU	B	11.3	14	3	1.3	15°	29.28	24.78	23.01	21.47
456FG4WHBU	1456FG4WHBU	B	7.2	6.5	4	1.1	30°	20.30	17.18	15.95	14.89
456KK4WHBU	1456KK4WHBU	B	10.2	10	4	1.1	30°	26.60	22.50	20.90	19.50
456PK4WHBU	1456PK4WHBU	B	10.2	14	4	1.1	30°	29.28	24.78	23.01	21.47

STEEL INSTRUMENT CASES (18 GAUGE)

y duty, 18 gauge steel top & bottom halves finished in contempra gray powder paint.
lo machine 0.064 thick aluminum panels, front finished in satin
and vented back finished in contempra gray. Rear panel is vented top and bottom.
Phillips nickel plated screws and self- adhesive rubber feet included.

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	5	25	100
401A	1401A	C	10.0	6.0	5.0	45.11	37.22	34.73	32.25
401AA	1401AA	C	6.0	6.0	5.0	42.10	34.73	32.41	30.10
401AAA	1401AAA	C	6.0	4.0	4.0	39.09	32.25	30.10	27.95
401C	1401C	C	10.0	8.0	9.0	52.62	43.41	40.52	37.62
401E	1401E	C	8.0	8.0	8.0	49.61	40.94	38.21	35.48
401G	1401G	C	12.0	10.0	9.0	66.15	54.57	50.93	47.29
401K	1401K	C	14.0	10.0	6.5	67.65	55.82	52.09	48.37
401M	1401M	C	8.0	12.0	9.0	70.66	58.31	54.42	50.53
401N	1401N	C	8.0	14.0	9.0	72.16	59.54	55.57	51.60
401P	1401P	C	10.0	14.0	5.0	64.65	53.34	49.78	46.23

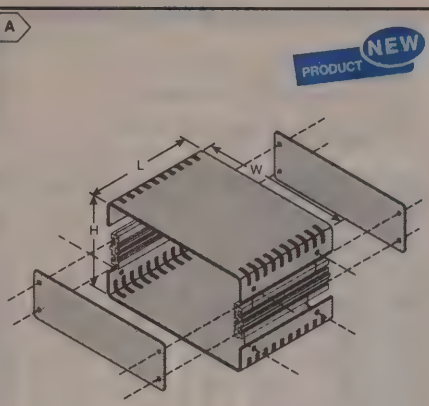
STEEL INSTRUMENT CASES (20 GAUGE)

d bottom made in 20 gauge steel (for strength) finished in contempra gray.
o machine 0.064 thick aluminum panels front and rear.
anel and bottom of enclosure is vented.
anel is satin black, rear panel is contempra gray.
hillips nickel plated screws and self-adhesive rubber feet included.
vailable in satin blue. Contact a Mouser Service Representative.

For quantities of 250 and up, call for quote.

MOUSER TOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	5	25	100
426K	1426K	D	6.0	5.0	4.0	34.36	28.35	26.46	24.57
426M	1426M	D	8.0	6.0	4.0	35.80	29.54	27.57	25.60
426O	1426O	D	10.0	7.0	4.0	40.09	33.08	30.87	28.67
426Q	1426Q	D	11.0	11.7	5.5	40.09	33.08	30.87	28.67
426S	1426S	D	12.0	6.0	4.0	42.95	35.45	33.08	30.72
426V	1426V	D	12.0	6.0	5.5	42.95	35.45	33.08	30.72
426W	1426W	D	12.0	8.0	4.0	45.82	37.80	35.28	32.76
426Y	1426Y	D	12.0	10.0	4.0	42.95	35.45	33.08	30.72

A



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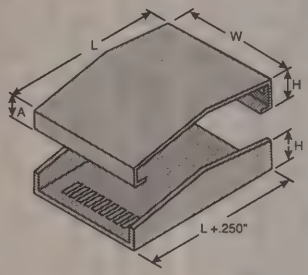

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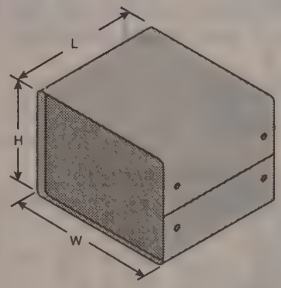
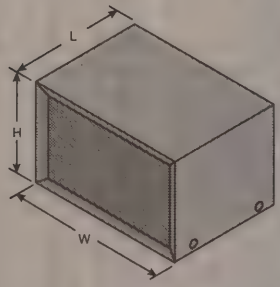


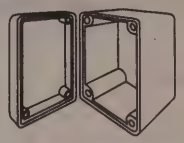
D



HAMMOND Diecast Aluminum Enclosures

HAMMOND MANUFACTURING

DIECAST ALUMINUM ENCLOSURES



- Drilled and tapped lid with 6-32 x 1/2 countersunk Phillips head screws
- Interlocking lid provides complete RF shielding
- Available in gray textured finish. Contact a Mouser Service Representative for details.
- Average wall thickness 2mm (.08")

Note: lid adds .16" to overall depth of case

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Dimension (In.)			Price Each			
Mfr.	Mfr. Part No.	H	W	D	1	10	100	250
Color: Unfinished								
546—1590LB		1.99	1.99	1.06	7.22	6.02	5.55	5.16
546—1590H		2.07	1.50	1.06	6.22	5.18	4.78	4.44
546—1590A		3.64	1.52	1.06	7.00	5.83	5.38	5.00
546—1590G		3.95	1.95	.84	7.72	6.43	5.93	5.51
546—1590S		4.35	3.21	1.57	10.56	8.80	8.12	7.54
546—1590B		4.39	2.34	1.06	8.00	6.67	6.15	5.71
546—1590BB		4.67	3.68	1.18	10.40	8.67	8.00	7.43
546—1590U		4.70	4.70	2.17	16.00	13.33	12.31	11.43
546—1590V		4.70	4.70	3.54	22.00	18.33	16.92	15.71
546—1590C		4.72	3.70	2.07	11.70	9.75	9.00	8.36
546—1590T		4.74	3.13	2.17	10.90	9.08	8.38	7.79
546—1590N1		4.77	2.60	1.39	10.92	9.10	8.40	7.80
546—1590K		4.92	4.92	2.95	20.00	16.67	15.38	14.29
546—1590J		5.71	3.74	1.77	12.30	10.25	9.46	8.79
546—1590P1		6.01	3.24	1.81	14.30	11.92	11.00	10.21
546—1590DD		7.38	4.70	1.30	16.86	14.05	12.97	12.04
546—1590D		7.38	4.70	2.05	19.16	15.97	14.74	13.69
546—1590E		7.38	4.70	3.07	20.50	17.08	15.77	14.64
546—1590F		7.38	7.38	2.48	27.56	22.97	21.20	19.69
546—1590R1		7.60	4.40	2.20	22.94	19.10	17.63	16.38
Color: Black								
546—1590LB-BK		1.99	1.99	1.06	9.74	8.12	7.49	6.96
546—1590H-BK		2.07	1.50	1.06	8.74	7.28	6.72	6.24
546—1590A-BK		3.64	1.52	1.06	9.46	7.88	7.28	6.76
546—1590G-BK		3.95	1.95	.84	10.05	8.13	7.50	6.97
546—1590S-BK		4.35	3.21	1.57	13.72	11.43	10.55	9.80
546—1590B-BK		4.39	2.34	1.06	10.80	9.00	8.31	7.71
546—1590BB-BK		4.67	3.68	1.18	13.52	11.27	10.40	9.66
546—1590U-BK		4.70	4.70	2.17	19.20	16.00	14.77	13.71
546—1590V-BK		4.70	4.70	3.54	26.40	22.00	20.31	18.86
546—1590C-BK		4.72	3.70	2.07	15.22	12.68	11.71	10.87
546—1590T-BK		4.74	3.13	2.17	14.18	11.82	10.91	10.13
546—1590N1-BK		4.77	2.60	1.39	14.85	12.37	11.42	10.61
546—1590K-BK		4.92	4.92	2.95	24.40	20.33	18.77	17.43
546—1590J-BK		5.71	3.74	1.77	14.94	12.45	11.49	10.67
546—1590P1-BK		6.01	3.24	1.81	16.94	14.12	13.03	12.10
546—1590DD-BK		7.38	4.70	1.30	20.24	16.87	15.57	14.46
546—1590D-BK		7.38	4.70	2.05	23.00	19.17	17.69	16.43
546—1590E-BK		7.38	4.70	3.07	24.60	20.50	18.92	17.57
546—1590F-BK		7.38	7.38	2.48	33.08	27.57	25.45	23.63
546—1590R1-BK		7.60	4.40	2.20	25.66	21.37	19.72	18.32

DIECAST ALUMINUM FLANGED ENCLOSURES

- Lid screws are exposed for easy enclosure access (if you require higher security see the flanged lid version)
- Bottom flanges are aluminum, screwed into the base of the enclosure
- 6-32x1/2" machine screws secure lid - into tapped holes

For quantities of 500 and up, call for qu

MOUSER STOCK NO.		Dimension (In.)			Price Each			
Mfr.	Mfr. Part No.	H	W	D	1	10	100	25
Color: Unfinished								
546—1590LBF		1.99	1.99	1.06	11.16	9.30	8.45	7.
546—1590HF		2.07	1.50	1.06	9.62	8.02	7.40	6.
546—1590AF		3.64	1.52	1.06	10.50	8.75	8.08	7.
546—1590GF		3.94	1.97	0.83	11.56	9.63	8.89	8.
546—1590SF		4.35	3.21	1.57	16.32	13.60	12.36	11.
546—1590BF		4.39	2.34	1.06	12.00	10.00	9.23	8.
546—1590BBF		4.67	3.68	1.18	15.60	13.00	12.00	11.
546—1590UF		4.70	4.70	2.17	24.00	20.00	18.46	17.
546—1590VF		4.70	4.70	3.54	33.00	27.50	25.38	23.
546—1590CF		4.72	3.70	2.07	17.55	14.63	13.50	12.
546—1590TF		4.74	3.13	2.17	16.35	13.62	12.58	11.
546—1590N1F		4.77	2.60	1.39	18.20	15.17	14.00	13.
546—1590KF		4.92	4.92	2.95	30.90	25.75	23.77	22.
546—1590JF		5.71	3.74	1.77	19.01	15.84	14.63	13.
546—1590P1F		6.01	3.24	1.81	21.45	17.88	16.50	15.
546—1590DDF		7.40	4.70	1.30	25.30	21.08	19.46	18.
546—1590DF		7.38	4.70	2.05	28.74	23.95	22.11	20.
546—1590EF		7.38	4.70	3.07	30.75	25.63	23.65	21.
546—1590FF		7.38	7.38	2.48	42.58	35.48	32.25	29.
546—1590R1F		7.55	4.38	2.24	35.45	29.54	27.27	25.
Color: Black								
546—1590LBFBK		1.99	1.99	1.06	15.05	12.54	11.58	10.
546—1590HFBK		2.07	1.50	1.06	12.50	10.42	9.62	8.
546—1590AFBK		3.64	1.52	1.06	14.60	12.17	11.23	10.
546—1590GFBK		3.94	1.97	0.83	15.02	12.51	11.55	10.
546—1590SFBK		4.35	3.21	1.57	21.20	17.66	16.31	15.
546—1590BFBK		4.39	2.34	1.06	16.69	13.91	12.84	11.
546—1590BBFBK		4.67	3.68	1.18	20.89	17.41	16.07	14.
546—1590UFBK		4.70	4.70	2.17	29.66	24.72	22.82	21.
546—1590VFBK		4.70	4.70	3.54	40.79	33.99	31.38	29.
546—1590CFBK		4.72	3.70	2.07	23.52	19.60	17.82	16.
546—1590TFBK		4.74	3.13	2.17	21.91	18.26	16.85	15.
546—1590N1FBK		4.77	2.60	1.39	22.01	18.35	16.93	15.
546—1590KFBK		4.92	4.92	2.95	40.17	33.48	30.90	28.
546—1590JFBK		5.71	3.74	1.77	24.72	20.60	19.02	17.
546—1590P1FBK		6.01	3.24	1.81	29.84	24.87	22.95	21.
546—1590DDFBK		7.40	4.70	1.30	30.18	25.15	23.21	21.
546—1590DFBK		7.38	4.70	2.05	34.50	28.75	26.54	24.
546—1590EFBK		7.38	4.70	3.07	36.90	30.75	28.38	26.
546—1590FFBK		7.38	7.38	2.48	57.48	47.90	44.22	41.
546—1590R1FBK		7.55	4.38	2.24	44.74	37.28	34.42	31.

DIECAST ALUMINUM FLANGED LID ENCLOSURES

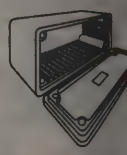
- Drilled and tapped lid and 6-32 x 1/2" counter sunk Phillips head screws
- Interlocking lid provides complete RF shielding

Note: lid adds .23" to overall height of case

For quantities of 500 and up, call for quote.

Color: Unfinished							
546—1590LBFL	1.99	1.99	1.06	7.94	6.62	6.11	5.67
546—1590AFL	1.52	3.64	1.06	7.70	6.42	5.92	5.50
546—1590GFL	3.90	2.00	.80	8.51	7.09	6.54	6.08
546—1590SFL	3.21	4.35	1.57	11.62	9.68	8.94	8.30
546—1590BFL	2.34	4.39	1.06	8.80	7.33	6.77	6.29
546—1590BBFL	3.68	4.67	1.18	11.44	9.53	8.80	8.17
546—1590DDFL	4.70	7.40	1.30	18.54	15.45	14.26	13.24
546—1590N1FL	2.60	4.77	1.39	11.10	9.25	8.54	7.93
546—1590CFL	3.70	4.72	2.07	12.87	10.73	9.90	9.19
546—1590TFL	3.13	4.74	2.17	11.99	9.99	9.22	8.56
546—1590UFL	4.70	4.70	2.17	17.60	14.67	13.54	12.57
546—1590VFL	4.70	4.70	3.54	24.20	20.17	18.62	17.29
546—1590P1FL	3.24	6.01	1.81	15.73	13.11	12.10	11.24
546—1590DFL	4.70	7.38	2.05	21.08	17.56	16.21	15.05
546—1590EFL	4.70	7.38	3.07	22.55	18.79	17.35	16.11
546—1590FFL	7.38	7.38	2.48	30.32	25.26	23.32	21.65
546—1590R1FL	7.60	4.40	2.20	26.00	21.66	20.00	18.57
Color: Black							
546—1590LBFLBK	1.99	1.99	1.06	10.72	8.93	8.25	7.66
546—1590AFLBK	1.52	3.64	1.06	10.40	8.66	8.00	7.42
546—1590GFLBK	3.90	2.00	0.80	11.06	9.22	8.51	7.90
546—1590SFLBK	3.21	4.35	1.57	15.69	13.07	12.07	11.20
546—1590BFLBK	2.34	4.39	1.06	11.88	9.90	9.14	8.49
546—1590BBFLBK	3.68	4.67	1.18	15.48	12.90	11.91	11.06
546—1590DDFLBK	4.70	7.40	1.30	25.03	20.86	19.25	17.88
546—1590N1FLBK	2.60	4.77	1.39	15.02	12.52	11.56	10.73
546—1590CFLBK	3.70	4.72	2.07	17.39	14.49	13.38	12.42
546—1590TFLBK	3.13	4.74	2.17	16.20	13.50	12.46	11.57
546—1590UFLBK	4.70	4.70	2.17	23.76	19.80	18.28	16.97
546—1590VFLBK	4.70	4.70	3.54	32.67	27.23	25.13	23.34
546—1590P1FLBK	3.24	6.01	1.81	21.25	17.71	16.35	15.18
546—1590DFLBK	4.70	7.38	2.05	28.46	23.72	21.89	20.33
546—1590EFLBK	4.70	7.38	3.07	30.46	25.38	23.43	21.75
546—1590FFLBK	7.38	7.38	2.48	40.93	34.11	31.49	29.24
546—1590R1FLBK	7.60	4.40	2.20	33.80	28.17	26.00	24.15

PC CARD DIECAST ALUMINUM ALLOY BOXES



- Avg. wall thickness 2mm (.08")
- Interlocking lid with machine screws, countersunk, and threaded in tapped holes
- Optional PC card adapters available for horiz. mounting of PC cards (part no. 546-1591Z6)
- Available in gray. Contact a Mouser Service Representative for details.
- Internal slots on 0.2" centers hold .062" thick PC cards or dividers

† This model has six mounting studs/holes

For quantities of 500 and up, call for q

MOUSER STOCK NO.		Dimension (In.)			Screw Thread	Price Each			
Mfr.	Mfr. Part No.	H	W	D		1	10	100	2
Color: Unfinished									
546—1590L		4.00	2.00	1.00	M3 - 0.5x10mm	8.04	6.70	6.18	
546—1590M		4.40	2.44	1.22	M3 - 0.5x10mm	9.68	8.07	7.45	
546—1590N		4.75	2.56	1.56	6-32 x1/2"	10.92	9.10	8.40	
†546—1590P		6.00	3.15	2.00	6-32 x1/2"	14.30	11.92	11.00	10
546—1590R		7.50	4.33	2.38	6-32 x1/2"	22.28	18.57	17.14	15
Color: Black									
546—1590LBK		4.00	2.00	1.00	M3 - 0.5x10mm	11.00	9.17	8.46	
546—1590MBK		4.40	2.44	1.22	M3 - 0.5x10mm	12.69	10.57	9.76	
546—1590NBK		4.75	2.56	1.56	6-32 x1/2"	15.29	12.74	11.76	
†546—1590PBK		6.00	3.15	2.00	6-32 x1/2"	17.45	14.54	13.42	10
546—1590RBK		7.50	4.33	2.38	6-32 x1/2"	25.67	21.39	19.74	12

Replacement Screws

MOUSER STOCK NO.		Screw Thread	Price Per 100-Pack			
Mfr.	Mfr. Part No.		1	10	100	2
546—1590MS100		6-32 x1/2"	3.89	3.24	2.99	
546—1591MS100		M3 - 0.5x10mm	3.90	3.25	2.95	

PC Card Adapters

PC adapters allow mounting of PC cards at right angles to the vertical slots molded into Hammond 1591 series plastic boxes and diecast cases 1590L through 1590R.

MOUSER STOCK NO.		Quantity Per Package	Price Per Package			
Mfr.	Mfr. Part No.		1	10	100	2
546—1591Z6		6	2.40	2.00	1.85	

Hammond

Metal Boxes

MOUSER ELECTRONICS a TTI company

ATERTIGHT ENCLOSURES

ap joint construction with a bead of silicon rubber round the perimeter provides protection against ccess of dust and water
our (or 6 in 1590D, 1590DD, 1590E, 8 in 1590F) 6-32 1/2" stainless steel machine screws secure lid - into pped holes
esigned to meet IP65

For quantities of 500 and up, call for quote.

OUSER STOCK NO.	Dimension (In.)			Price Each			
r. Mfr. Part No.	H	W	D	1	10	100	250
or: Unfinished							
—1590WLB	1.99	1.99	1.06	8.14	6.78	6.26	5.81
—1590WH	2.07	1.50	1.06	7.15	5.96	5.50	5.11
—1590WA	3.64	1.52	1.06	8.32	6.94	6.40	5.94
—1590WG	3.94	1.97	0.83	7.73	6.44	5.94	5.52
—1590WS	4.35	3.21	1.57	15.74	13.89	12.55	11.76
—1590WB	4.39	2.34	1.06	9.43	7.86	7.26	6.74
—1590WBB	4.67	3.68	1.18	11.95	9.96	9.19	8.53
—1590WU	4.70	4.70	2.17	17.92	14.94	13.79	12.80
—1590WV	4.70	4.70	3.54	24.08	20.07	18.52	17.20
—1590WC	4.72	3.70	2.07	13.20	11.00	10.16	9.43
—1590WT	4.74	3.13	2.17	12.38	10.32	9.52	8.84
—1590WN1	4.77	2.60	1.39	13.29	11.07	10.22	9.49
—1590WK	4.92	4.92	2.95	22.06	18.39	16.97	15.76
—1590WJ	5.71	3.74	1.77	13.86	11.55	10.66	9.90
—1590WP1	6.01	3.24	1.81	16.21	13.51	12.47	11.58
—1590WDD	7.40	4.70	1.30	19.01	15.84	14.63	13.58
—1590WD	7.38	4.70	2.05	20.74	17.63	16.60	15.56
—1590WE	7.38	4.70	3.07	22.74	18.95	17.49	16.24
—1590WF	7.38	7.38	2.48	30.57	25.48	23.52	21.84
—1590WR1	7.55	4.38	2.24	26.00	21.66	20.00	18.57
or: Black							
—1590WLBBK	1.99	1.99	1.06	9.38	8.68	7.82	7.55
—1590WHBK	2.07	1.50	1.06	9.74	8.12	7.50	6.96
—1590WABK	3.64	1.52	1.06	12.98	10.35	9.15	8.20
—1590WGBK	3.94	1.97	0.83	10.05	8.38	7.73	7.18
—1590WSBK	4.35	3.21	1.57	15.29	12.74	11.76	10.92
—1590WBBK	4.39	2.34	1.06	12.32	10.27	9.48	8.80
—1590WBBBK	4.67	3.68	1.18	15.16	12.63	11.66	10.83
—1590WUBK	4.70	4.70	2.17	21.22	17.68	16.32	15.16
—1590WVBK	4.70	4.70	3.54	28.61	23.84	22.01	20.44
—1590WCBK	4.72	3.70	2.07	16.83	14.03	12.95	12.02
—1590WTBK	4.74	3.13	2.17	15.76	13.13	12.12	11.26
—1590WN1BK	4.77	2.60	1.39	17.29	14.41	13.30	12.35
—1590WKBK	4.92	4.92	2.95	26.59	22.16	20.46	19.00
—1590WJBK	5.71	3.74	1.77	16.58	13.82	12.76	11.85
—1590WP1BK	6.01	3.24	1.81	18.93	15.78	14.56	13.52
—1590WDDBK	7.40	4.70	1.30	22.50	18.75	17.30	16.07
—1590WDBK	7.38	4.70	2.05	25.32	21.10	19.47	18.08
—1590WEBK	7.38	4.70	3.07	26.97	22.47	20.74	19.26
—1590WFBK	7.38	7.38	2.48	36.20	34.39	32.67	31.04
—1590WR1BK	7.55	4.38	2.24	29.07	24.22	22.36	20.76

ATERTIGHT FLANGED LID ENCLOSURES

ed lid allows for easy mounting to walls or es, and provides added security as the lid rs are hidden against the wall or shelf.

For quantities of 500 and up, call for quote.

USER STOCK NO.	Dimension (In.)			Price Each			
Mfr. Part No.	H	W	D	1	10	100	250
r: Unfinished							
—1590WLBFL	1.99	1.99	1.06	8.88	7.40	6.83	6.34
—1590WAFL	3.64	1.52	1.06	13.26	10.72	9.74	8.90
—1590WGFL	3.94	1.97	0.83	8.51	7.09	6.54	6.08
—1590WSFL	4.35	3.21	1.57	13.12	10.94	10.09	9.37
—1590WBFL	4.39	2.34	1.06	10.26	8.55	7.89	7.33
—1590WBBFL	4.67	3.68	1.18	13.02	10.85	10.01	9.30
—1590WUFL	4.70	4.70	2.17	19.57	16.31	15.05	13.98
—1590WVFL	4.70	4.70	3.54	26.35	21.96	20.27	18.82
—1590WCFL	4.72	3.70	2.07	14.42	12.02	11.09	10.30
—1590WTFL	4.74	3.13	2.17	13.51	11.26	10.40	9.65
—1590WN1FL	4.77	2.60	1.39	13.47	11.23	10.36	9.62
—1590WP1FL	6.01	3.24	1.81	17.70	14.75	13.61	12.64
—1590WDDFL	7.40	4.70	1.30	20.74	17.29	15.96	14.82
—1590WDFL	7.38	4.70	2.05	23.34	19.45	17.95	16.67
—1590WEFL	7.38	4.70	3.07	24.80	23.56	22.38	21.26
—1590WFFL	7.38	7.38	2.48	33.41	27.84	25.70	23.87
—1590WR1FL	7.55	4.38	2.24	28.59	23.83	21.99	20.42
r: Black							
—1590WLBFLBK	1.99	1.99	1.06	11.99	9.99	9.22	8.56
—1590WAFLBK	3.64	1.52	1.06	13.26	10.72	9.74	8.90
—1590WGFLBK	3.94	1.97	0.83	11.06	9.22	8.51	7.90
—1590WSFLBK	4.35	3.21	1.57	17.71	14.76	13.63	12.65
—1590WBFLBK	4.39	2.34	1.06	13.85	11.54	10.65	9.89
—1590WBBFLBK	4.67	3.68	1.18	17.58	14.65	13.52	12.55
—1590WUFLBK	4.70	4.70	2.17	26.42	22.02	20.32	18.87
—1590WVFLBK	4.70	4.70	3.54	35.57	29.64	27.36	25.41
—1590WCFLBK	4.72	3.70	2.07	19.47	16.22	14.97	13.91
—1590WTFLBK	4.74	3.13	2.17	18.24	15.20	14.03	13.03
—1590WN1FLBK	4.77	2.60	1.39	17.47	14.56	13.44	12.48
—1590WP1FLBK	6.01	3.24	1.81	23.89	19.91	18.38	17.06
—1590WDDFLBK	7.40	4.70	1.30	28.00	23.34	21.54	20.00
—1590WDFLBK	7.38	4.70	2.05	31.51	26.26	24.24	22.51
—1590WEFLBK	7.38	4.70	3.07	33.57	27.97	25.82	23.98
—1590WFFLBK	7.38	7.38	2.48	45.11	37.59	34.70	32.22
—1590WR1FLBK	7.55	4.38	2.24	37.18	30.99	28.60	26.56

WATERTIGHT FLANGED ENCLOSURES

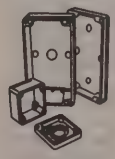
Factory installed flanges into reverse side of lid holes (no internal interference)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Dimension (In.)			Price Each			
Mfr. Mfr. Part No.	H	W	D	1	10	100	250
Color: Unfinished							
546—1590WLBF	1.99	1.99	1.06	11.87	9.89	9.13	8.48
546—1590WHF	2.07	1.50	1.06	10.73	8.94	8.26	7.67
546—1590WAF	3.64	1.52	1.06	11.93	9.94	9.17	8.52
546—1590WGF	3.94	1.97	0.83	11.60	9.66	8.92	8.28
546—1590WSF	4.35	3.21	1.57	17.47	14.56	13.44	12.48
546—1590WBF	4.39	2.34	1.06	13.55	11.30	10.43	9.68
546—1590WBBF	4.67	3.68	1.18	17.30	14.42	13.31	12.36
546—1590WUF	4.70	4.70	2.17	26.16	21.80	20.12	18.69
546—1590WVF	4.70	4.70	3.54	35.41	29.51	27.24	25.29
546—1590WCF	4.72	3.70	2.07	19.24	16.03	14.80	13.74
546—1590WTF	4.74	3.13	2.17	18.00	15.00	13.85	12.86
546—1590WN1F	4.77	2.60	1.39	20.24	16.87	15.57	14.46
546—1590WKF	4.92	4.92	2.95	33.10	27.59	25.46	23.65
546—1590WJF	5.71	3.74	1.77	20.81	17.34	16.00	14.86
546—1590WP1F	6.01	3.24	1.81	22.90	19.08	17.62	16.36
546—1590WDDF	7.40	4.70	1.30	27.71	23.09	21.31	19.79
546—1590WDF	7.38	4.70	2.05	31.23	26.02	24.02	22.31
546—1590WEF	7.38	4.70	3.07	33.31	27.76	25.62	23.79
546—1590WFF	7.38	7.38	2.48	44.76	37.30	34.43	31.97
546—1590WR1F	7.55	4.38	2.24	39.00	32.50	30.00	27.85
Color: Black							
546—1590WLBFBK	1.99	1.99	1.06	10.73	8.94	8.26	7.67
546—1590WHFBK	2.07	1.50	1.06	13.95	11.62	10.73	9.96
546—1590WAFBK	3.64	1.52	1.06	15.72	13.10	12.09	11.23
546—1590WGFBK	3.94	1.97	0.83	15.06	12.55	11.58	10.76
546—1590WSFBK	4.35	3.21	1.57	22.35	18.63	17.19	15.97
546—1590WBFBK	4.39	2.34	1.06	17.88	14.90	13.75	12.77
546—1590WBBFBK	4.67	3.68	1.18	22.12	18.44	17.02	15.80
546—1590WUFBK	4.70	4.70	2.17	31.11	25.92	23.93	22.22
546—1590WVFBK	4.70	4.70	3.54	42.21	35.17	32.47	30.15
546—1590WCFBK	4.72	3.70	2.07	24.68	20.57	18.98	17.63
546—1590WTFBK	4.74	3.13	2.17	23.07	19.23	17.75	16.48
546—1590WN1FBK	4.77	2.60	1.39	24.02	20.01	18.47	17.15
546—1590WKFBK	4.92	4.92	2.95	43.03	35.86	33.10	30.74
546—1590WJFBK	5.71	3.74	1.77	27.05	22.54	20.81	19.32
546—1590WP1FBK	6.01	3.24	1.81	31.33	26.11	24.10	22.38
546—1590WDDFBK	7.40	4.70	1.30	36.31	30.90	27.81	26.27
546—1590WDFBK	7.38	4.70	2.05	37.16	30.97	28.59	26.54
546—1590WEFBK	7.38	4.70	3.07	39.63	33.03	30.49	28.31
546—1590WFFBK	7.38	7.38	2.48	59.66	49.71	45.89	42.61
546—1590WR1FBK	7.55	4.38	2.24	46.70	44.37	42.15	40.04

WATERTIGHT, HEAVY DUTY ENCLOSURES

- Two piece "tongue &groove"construction with a one piece silicon rubber gasket provides protection against access of dust and water
- Easy to wall mount using "through box - blind hole" construction, outside of gasket protection
- Screws are self captivating using either individual neoprene "O" rings (outside the lid gasket seal) or using screw captivating lid.
- Designed to meet IP 65
- Available in Gray. Contact a Mouser Service Representative for details



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Dimension (In.)			Price Each			
Mfr. Mfr. Part No.	H	W	D	1	10	100	250
Color: Unfinished, With Mounting Shelf							
546—1590Z100	2.94	3.14	1.57	16.67	14.10	13.10	12.22
546—1590Z119	4.80	4.72	2.36	39.20	32.67	29.25	26.13
546—1590Z120	4.90	3.15	1.75	20.22	16.85	15.32	14.46
546—1590Z160	6.30	6.30	2.76	48.69	41.20	38.26	35.71
546—1590Z231	7.88	9.05	3.63	106.75	90.32	83.87	78.28
546—1590Z150	8.70	4.76	2.39	47.00	39.15	35.00	32.90
546—1590Z162	10.24	6.25	2.75	70.60	56.48	50.80	45.75
Color: Black, With Mounting Shelf							
546—1590Z100BK	2.94	3.14	1.57	20.41	17.27	16.04	14.97
546—1590Z119BK	4.80	4.72	2.36	40.45	34.23	31.78	29.66
546—1590Z120BK	4.90	3.15	1.75	23.97	20.28	18.83	17.58
546—1590Z160BK	6.30	6.30	2.76	52.44	44.37	41.20	38.45
546—1590Z231BK	7.88	9.05	3.63	110.49	93.49	86.81	81.03
546—1590Z150BK	8.70	4.76	2.39	51.00	42.50	38.06	34.00
546—1590Z162BK	10.24	6.25	2.75	69.85	59.11	54.88	51.23
Color: Unfinished, Without Mounting Shelf							
546—1590Z060	1.98	1.77	0.95	8.43	7.13	6.62	6.18
546—1590Z061	2.51	2.29	1.03	11.42	9.67	8.98	8.38
546—1590Z110	2.94	3.14	1.57	16.67	14.10	13.10	12.22
546—1590Z062	3.86	2.52	1.03	14.40	12.00	11.47	10.96
546—1590Z063	5.89	2.51	1.03	21.00	17.50	15.67	14.00
546—1590Z130	6.91	3.15	1.65	25.60	21.33	19.10	17.07
546—1590Z135	6.91	3.15	1.65	24.35	20.60	19.13	17.85
Color: Black, Without Mounting Shelf							
546—1590Z060BK	1.98	1.77	0.95	12.17	10.30	9.56	8.93
546—1590Z061BK	2.51	2.29	1.03	15.17	12.84	11.92	11.12
546—1590Z110BK	2.94	3.14	1.57	20.41	17.27	16.04	14.97
546—1590Z062BK	3.86	2.52	1.03	17.23	14.58	13.54	12.63
546—1590Z063BK	5.89	2.51	1.03	23.41	19.81	18.39	17.17
546—1590Z130BK	6.91	3.15	1.65	27.72	23.45	21.78	20.33
546—1590Z135BK	6.91	3.15	1.65	28.09	23.77	22.07	20.60

NEMA 1 PANEL ENCLOSURES

Designed for indoor use to house controls, instruments and components not requiring oil-tight or dust-tight protection.

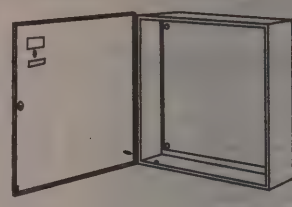
Specifications:
- Enclosure is formed and spot welded from 14 gauge steel.
- Removable 12 or 14 gauge inner panel is mounted in the rear of the enclosure on collar studs.
- A bonding stud is provided on the door and a grounding stud is provided in the box.
- Mounting holes are provided in the rear of the enclosure.

"Shipped Factory Direct"

For quantities greater than 10, call for quote.

Mouser Stock No.	Hammond Part No.	Fig.	Dimensions (In.)			Panel Dimensions (In.)		Price Each			
			H	W	D	H	W	1	2	5	10
546-N1A16127	N1A16127	A	16.00	12.00	7.00	13.00	10.50	107.38	92.34	87.94	83.76
546-N1A16167	N1A16167	A	16.00	16.00	7.00	13.00	14.50	121.42	104.42	99.44	94.71
546-N1A16207	N1A16207	A	16.00	20.00	7.00	13.00	18.50	135.48	116.50	110.96	105.67
546-N1A20167	N1A20167	A	20.00	16.00	7.00	17.00	14.50	135.48	116.50	110.96	105.67
546-N1A20207	N1A20207	A	20.00	20.00	7.00	17.00	18.50	152.16	130.85	124.62	118.69
546-N1A24167	N1A24167	A	24.00	16.00	7.00	21.00	14.50	149.55	128.60	122.48	116.65
546-N1A24207	N1A24207	A	24.00	20.00	7.00	21.00	18.50	168.79	145.15	138.24	131.66
546-N1A24247	N1A24247	A	24.00	24.00	7.00	21.00	22.50	188.46	162.06	154.35	147.00
546-N1A16129	N1A16129	A	16.00	12.00	9.00	13.00	10.50	116.13	99.86	95.11	90.58
546-N1A20169	N1A20169	A	20.00	16.00	9.00	17.00	14.50	147.03	126.44	120.41	114.68
546-N1A20209	N1A20209	A	20.00	20.00	9.00	17.00	18.50	164.87	141.78	135.03	128.60
546-N1A20249	N1A20249	A	20.00	24.00	9.00	17.00	22.50	181.97	156.49	149.03	141.94
546-N1A24209	N1A24209	A	24.00	20.00	9.00	21.00	18.50	182.80	157.20	149.71	142.58
546-N1A24249	N1A24249	A	24.00	24.00	9.00	21.00	22.50	203.69	175.17	166.83	158.88
546-N1A242012	N1A242012	A	24.00	20.00	12.00	21.00	18.50	196.74	169.19	161.13	153.46
546-N1A242412	N1A242412	A	24.00	24.00	12.00	21.00	22.50	234.17	201.38	191.79	182.65

A



- Enclosure and door are finished in ANSI/ASA 61 gray powder coating.
- Inner panel is finished in white powder coating.

- UL 50 Type 1
- CSA Type 1
- Complies with: NEMA Type 1
  IEC 529, IP30

NEMA 4, 12 ECLIPSE SINGLE DOOR SERIES

Designed to enclose electrical and/or electronic equipment and protect against harsh, industrial environments for wallmount applications.

Specifications:
- Formed from 14 or 16 gauge steel.
- Smooth, continuously welded seams ground smooth.
- Oil resistant gaskets are permanently secured.
- Collar studs provided for mounting inner panel (ordered separately).
- Includes hardware kit with panel mounting nuts and sealing washers for wall mounting holes.
- Bonding stud provided on door and grounding stud installed in enclosure.

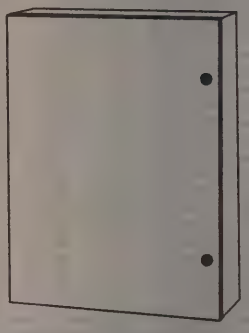
Other sizes available. Contact a **Mouser Service Representative.**

"Shipped Factory Direct"

For quantities greater than 10, call for quote.

Mouser Stock No.	Hammond Part No.	Fig.	Dimensions (In.)			Price Each			
			H	W	D	1	2	5	10
546-EN4SD12126GY	EN4SD12126GY	B	12.00	12.00	6.00	140.36	120.70	114.95	109.48
546-EN4SD16126GY	EN4SD16126GY	B	16.00	12.00	6.00	149.79	128.81	122.68	116.83
546-EN4SD16166GY	EN4SD16166GY	B	16.00	16.00	6.00	161.34	138.74	132.13	125.84
546-EN4SD16206GY	EN4SD16206GY	B	16.00	20.00	6.00	177.94	153.02	145.73	138.79
546-EN4SD20166GY	EN4SD20166GY	B	20.00	16.00	6.00	172.95	148.73	141.65	134.90
546-EN4SD20206GY	EN4SD20206GY	B	20.00	20.00	6.00	186.62	160.48	152.84	145.56
546-EN4SD24166GY	EN4SD24166GY	B	24.00	16.00	6.00	189.76	163.19	155.41	148.01
546-EN4SD24206GY	EN4SD24206GY	B	24.00	20.00	6.00	206.03	177.17	168.73	160.70
546-EN4SD24246GY	EN4SD24246GY	B	24.00	24.00	6.00	222.22	191.10	182.00	173.33
546-EN4SD16128GY	EN4SD16128GY	B	16.00	12.00	8.00	157.10	135.10	128.66	122.54
546-EN4SD16168GY	EN4SD16168GY	B	16.00	16.00	8.00	169.74	145.97	139.02	132.40
546-EN4SD16208GY	EN4SD16208GY	B	16.00	20.00	8.00	187.64	161.36	153.68	146.36
546-EN4SD20168GY	EN4SD20168GY	B	20.00	16.00	8.00	182.31	156.78	149.31	142.20
546-EN4SD20208GY	EN4SD20208GY	B	20.00	20.00	8.00	197.14	169.53	161.46	153.77
546-EN4SD20248GY	EN4SD20248GY	B	20.00	24.00	8.00	217.98	187.45	178.53	170.03
546-EN4SD24168GY	EN4SD24168GY	B	24.00	16.00	8.00	195.02	167.71	159.72	152.12
546-EN4SD24208GY	EN4SD24208GY	B	24.00	20.00	8.00	211.83	182.17	173.49	165.23
546-EN4SD24248GY	EN4SD24248GY	B	24.00	24.00	8.00	228.71	196.68	187.31	178.40
546-EN4SD24308GY	EN4SD24308GY	B	24.00	30.00	8.00	253.93	218.36	207.97	198.06
546-EN4SD161210GY	EN4SD161210GY	B	16.00	12.00	10.00	162.43	139.68	133.03	126.69
546-EN4SD161610GY	EN4SD161610GY	B	16.00	16.00	10.00	173.84	149.49	142.37	135.60
546-EN4SD162010GY	EN4SD162010GY	B	16.00	20.00	10.00	186.89	160.72	153.06	145.78
546-EN4SD201610GY	EN4SD201610GY	B	20.00	16.00	10.00	186.89	160.72	153.06	145.78
546-EN4SD202010GY	EN4SD202010GY	B	20.00	20.00	10.00	202.54	174.17	165.88	157.98
546-EN4SD202410GY	EN4SD202410GY	B	20.00	24.00	10.00	217.16	186.75	177.86	169.39
546-EN4SD241610GY	EN4SD241610GY	B	24.00	16.00	10.00	200.01	172.00	163.81	156.01
546-EN4SD242010GY	EN4SD242010GY	B	24.00	20.00	10.00	217.92	187.40	178.47	169.97
546-EN4SD242410GY	EN4SD242410GY	B	24.00	24.00	10.00	235.41	202.44	192.80	183.62
546-EN4SD243010GY	EN4SD243010GY	B	24.00	30.00	10.00	260.76	247.72	235.34	223.57
546-EN4SD202012GY	EN4SD202012GY	B	20.00	20.00	12.00	218.19	187.63	178.70	170.19
546-EN4SD242012GY	EN4SD242012GY	B	24.00	20.00	12.00	241.76	207.90	198.00	188.58
546-EN4SD242412GY	EN4SD242412GY	B	24.00	24.00	12.00	253.93	218.36	207.97	198.06
546-EN4SD242416GY	EN4SD242416GY	B	24.00	24.00	16.00	287.21	246.98	235.22	224.02
546-EN4SD242420GY	EN4SD242420GY	B	24.00	24.00	20.00	312.97	269.14	256.32	244.11

B



- Cover and enclosure are finished in recoatable smooth ANSI/ASA 61 gray powder coating.

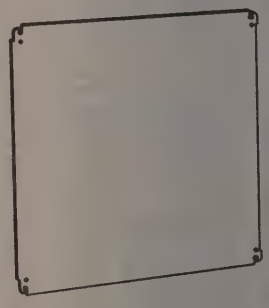
- UL 508 Type 3R, 4, 12, and 13
- CSA Type 3R, 4, 12, and 13
- Complies with: NEMA Type 3R, 4, 12, and 13
  IEC 529, IP65

Optional Panels for Eclipse Enclosures

For quantities greater than 10, call for quote.

Mouser Stock No.	Hammond Part No.	Fig.	Dimensions (In.)		Price Each			
			H	W	1	2	5	10
546-EP1212	EP1212	C	10.20	10.20	6.84	5.88	5.60	5.34
546-EP1612	EP1612	C	14.20	10.20	8.82	7.58	7.22	6.88
546-EP1616	EP1616	C	14.20	14.20	22.79	19.60	18.66	17.78
546-EP1620	EP1620	C	14.20	18.20	26.26	22.58	21.51	20.48
546-EP2016	EP2016	C	18.20	14.20	26.26	22.58	21.51	20.48
546-EP2020	EP2020	C	18.20	18.20	31.51	27.10	25.81	24.58
546-EP2416	EP2416	C	22.20	14.20	31.22	26.85	25.57	24.35
546-EP2420	EP2420	C	22.20	18.20	40.25	34.61	32.96	31.39
546-EP2424	EP2424	C	22.20	22.20	46.66	40.12	38.21	36.39
546-EP2024	EP2024	C	18.20	22.20	40.25	34.61	32.96	31.39
546-EP2430	EP2430	C	22.20	28.20	56.27	48.39	46.09	43.89

C



- Larger than standard NEMA panel used in same size enclosure.
- 12 or 14 gauge steel construction.
- Slotted corner designed for easier mounting.
- Finished in white.

HAMMOND NEMA Enclosures

HAMMOND MANUFACTURING

Smooth, continuously welded seams without knockouts, cutouts, or holes.
Welded brackets provide for enclosure mounting.
Oil resistant gaskets are permanently secured.

All models larger than 4" x 4" include a removable 14 gauge inner panel.
Weldnuts are provided for mounting inner panels.

NEMA 12, 13, 4 JIC ENCLOSURES
CONTINUOUS HINGE, CLAMP COVER

Provides protection where equipment may be hosed down or otherwise be very wet, or in outdoor applications for full weather protection.

Specifications:
- Body formed from 16 or 14 gauge steel.
- Covers are formed from 14 gauge steel.
- Cover is secured with stainless steel clamps and screws.
- A grounding stud is provided in the enclosure and a bonding stud is provided on the door.

Applications:
- Instrument enclosures
- Electrical junction boxes
- Terminal wiring enclosures

"Shipped Factory Direct"

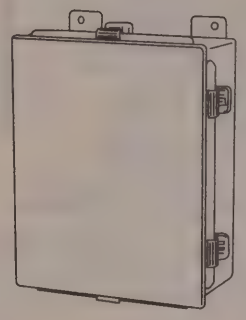
Finish:
- Cover and enclosure are phosphatized, primed and finished in recoatable smooth ANSI/ASA 61 gray powder coating.
- Removable inner panel is finished in white powder coating.

✻ Does not meet JIC requirements

For quantities of 25 and up, call for quote.

Mouser Stock No.	Hammond Part No.	Fig.	Dimensions (In.)			Panel Dimensions (In.)		Price Each			
			H	W	D	H	W	1	2	5	10
✻546-1414N4PHA	1414N4PHA	A	4.00	4.00	3.00	-----	-----	37.63	34.21	32.58	31.03
✻546-1414N4PHC	1414N4PHC	A	6.00	4.00	3.00	4.88	2.88	44.96	40.87	38.92	37.07
546-1414N4PHG	1414N4PHG	A	8.00	6.00	3.50	6.75	4.88	55.77	50.70	48.28	45.98
546-1414N4PHE	1414N4PHE	A	6.00	6.00	4.00	4.88	4.88	51.05	46.41	44.20	42.10
546-1414N4PHI	1414N4PHI	A	10.00	8.00	4.00	8.75	6.88	67.88	61.71	58.77	55.97
546-1414N4PHI6	1414N4PHI6	A	10.00	8.00	6.00	8.75	6.88	78.24	71.13	67.75	64.52
546-1414N4PHK	1414N4PHK	A	12.00	10.00	5.00	10.75	8.88	87.30	79.36	75.58	71.98
546-1414N4PHL6	1414N4PHL6	A	12.00	12.00	6.00	10.75	10.88	92.64	84.22	80.21	76.39
546-1414N4PHM6	1414N4PHM6	A	14.00	12.00	6.00	12.75	10.88	110.26	100.24	95.47	90.92
546-1414N4PHO6	1414N4PHO6	A	16.00	14.00	6.00	14.75	12.88	130.92	119.02	113.36	107.96
546-1414N4PHM8	1414N4PHM8	A	14.00	12.00	8.00	12.75	10.88	119.96	109.05	103.85	98.91
546-1414N4PHO10	1414N4PHO10	A	16.00	14.00	10.00	14.75	12.88	156.57	142.34	135.56	129.11

A



- UL 508 Type 3R, 4, 12 and 13
- CSA Type 3R, 4, 12, and 13
- Complies with: NEMA Type 3R, 4, 12, and 13
  JIC EGP-1-1967 (unless marked)
  IEC 529, IP66

NEMA 12, 13 JIC ENCLOSURES
LIFT OFF, SCREW COVER

Provides a degree of protection from falling dirt, dust, oil, and water.

"Shipped Factory Direct"

Specifications:
- Body formed from 16 or 14 gauge steel.
- Covers are formed from 14 gauge steel.
- Cover is secured with captive, plated steel screws, threaded into sealed wells.
- A grounding stud is provided in the enclosure.

Finish:
- Cover and enclosure are phosphatized, primed and finished in recoatable smooth ANSI/ASA 61 gray powder coating.
- Removable inner panel is finished in white powder coating.

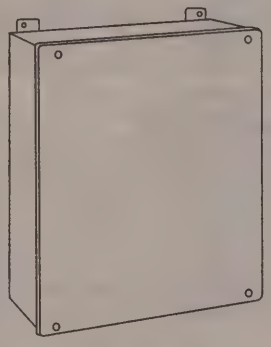
Applications:
- Instrument enclosures
- Electrical junction boxes
- Terminal wiring enclosures

✻ Does not meet JIC requirements

For quantities of 25 and up, call for quote.

Mouser Stock No.	Hammond Part No.	Fig.	Dimensions (In.)			Panel Dimensions (In.)		Price Each			
			H	W	D	H	W	1	2	5	10
✻546-1414SCA	1414SCA	B	4.00	4.00	3.00	-----	-----	26.36	23.96	22.82	21.73
✻546-1414SCC	1414SCC	B	6.00	4.00	3.00	4.87	2.87	32.73	29.75	28.34	26.99
546-1414SCG	1414SCG	B	8.00	6.00	3.50	6.75	4.87	40.87	37.15	35.38	33.70
546-1414SCE	1414SCE	B	6.00	6.00	4.00	4.87	4.87	38.27	34.79	33.13	31.55
546-1414SCI	1414SCI	B	10.00	8.00	4.00	8.75	6.87	51.22	46.56	44.34	42.23
546-1414SCK	1414SCK	B	12.00	10.00	5.00	10.75	8.87	67.49	61.35	58.43	55.65
546-1414SCM6	1414SCM6	B	14.00	12.00	6.00	12.75	10.87	85.58	77.80	74.09	70.56
546-1414SCO6	1414SCO6	B	16.00	14.00	6.00	14.75	12.87	101.90	92.64	88.23	84.03
546-1414SCM8	1414SCM8	B	14.00	12.00	8.00	12.75	10.87	117.84	107.13	102.03	97.17
546-1414SCO10	1414SCO10	B	16.00	14.00	10.00	14.75	12.87	160.51	145.92	138.97	132.35

B



- UL 508 Type 12 and 13
- CSA Type 12, and 13
- Complies with: NEMA Type 12, and 13
  JIC EGP-1-1967 (unless marked)
  IEC 529, IP65

NEMA 4X STAINLESS STEEL JIC ENCLOSURES

Provides protection where equipment may be hosed down or otherwise be very wet, or in specific applications where corrosion may be a problem.

"Shipped Factory Direct"

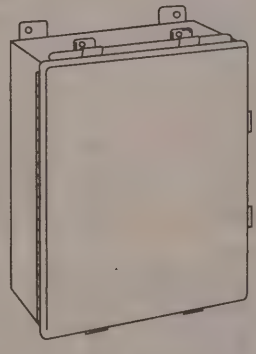
Specifications:
- Body formed from 14 gauge Type 304 stainless steel.
- Continuous hinged cover is secured with stainless steel clamps and screws.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.

Finish:
- Cover and enclosure are natural stainless steel with a smooth brushed finish.
- Removable inner panel is finished in white powder coating.

For quantities of 25 and up, call for quote.

Mouser Stock No.	Hammond Part No.	Fig.	Dimensions (In.)			Panel Dimensions (In.)		Price Each			
			H	W	D	H	W	1	2	5	10
546-1414N4PHSSC4	1414N4PHSSC4	C	6.00	4.00	4.00	4.88	2.88	128.26	116.60	111.05	105.76
546-1414N4PHSSE	1414N4PHSSE	C	6.00	6.00	4.00	4.88	4.88	140.39	127.63	121.56	115.77
546-1414N4PHSSG	1414N4PHSSG	C	8.00	6.00	3.50	6.75	4.88	157.72	143.38	136.55	130.05
546-1414N4PHSSG4	1414N4PHSSG4	C	8.00	6.00	4.00	6.75	4.88	160.41	145.83	138.89	132.27
546-1414N4PHSSI	1414N4PHSSI	C	10.00	8.00	4.00	8.75	6.88	193.63	176.03	167.64	159.66
546-1414N4PHSSK	1414N4PHSSK	C	12.00	10.00	5.00	10.75	8.88	273.57	248.70	236.86	225.58
546-1414N4PHSSL6	1414N4PHSSL6	C	12.00	12.00	6.00	10.75	10.88	299.49	272.26	259.30	246.95
546-1414N4PHSSM6	1414N4PHSSM6	C	14.00	12.00	6.00	12.75	10.88	336.90	306.27	291.68	277.79
546-1414N4PHSSO6	1414N4PHSSO6	C	16.00	14.00	6.00	14.75	12.88	390.91	355.37	338.45	322.33
546-1414N4PHSSM8	1414N4PHSSM8	C	14.00	12.00	8.00	12.75	10.88	350.31	318.46	303.30	288.85
546-1414N4PHSSO10	1414N4PHSSO10	C	16.00	14.00	10.00	14.75	12.88	437.17	397.43	378.51	360.48

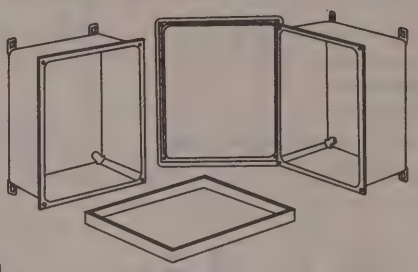
C



- UL 508 Type 3R, 4, 4X, and 12
- CSA Type 3R, 4, 4X, and 12
- Complies with: NEMA Type 3R, 4, 4X, and 12
  JIC EGP-1-1967
  IEC 529, IP66

HAMMOND MANUFACTURING

PJ SERIES NEMA 4X POLYESTER MODULAR ENCLOSURES



- Designed for use as instrument enclosures, electric or pneumatic control housings, electrical junction boxes or terminal wiring enclosures.
- Provides outstanding insulation and protection where equipment may be hosed down or be very wet.
- Ideal in applications with high temperature or highly corrosive environments.
- Gray molded fiberglass polyester enclosure with matching cover is easily punched, cut or drilled.
- 10-32 threaded brass inserts are provided for optional inner panel or terminal kit mounting. Mounting hardware included.
- Captive oil resistant gasket provides a positive seal.
- Operating temperature between 130°C and -40°C (266°F to -40°F)
- UL 508 Type 1, 2, 3, 4, 4X, 12 and 13.
- CSA Type 1, 2, 3, 4, 4X, 12 and 13
- Complies with NEMA Type 1, 2, 3, 4, 4X, 12 and 13
- IEC 529, IP66

Lift Off Cover

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Dimension (In.)			Panel Size (In.)		Price Each		
Mfr.	Mfr. Part No.	H	W	D	H	W	1	2	5
546—	PJ664	6.10	6.10	4.18	4.88	4.88	38.94	33.49	31.89
546—	PJ864	8.00	6.12	4.13	6.75	4.88	41.14	35.38	33.70
546—	PJ1086	10.13	8.26	6.13	8.75	6.88	45.09	38.77	36.93
546—	PJ12106	12.13	10.26	6.13	10.75	8.88	56.94	48.96	46.63
546—	PJ14126	14.13	12.26	6.13	12.75	10.88	65.81	56.59	53.89
546—	PJ16148	16.27	14.40	8.13	14.75	12.88	77.42	66.58	63.41
546—	PJ18168	18.40	16.40	8.13	16.88	14.88	117.77	101.28	96.46
546—	PJ20168	20.00	16.00	8.13	18.44	14.44	195.30	167.95	159.95

Hinged Cover

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Dimension (In.)			Panel Size (In.)		Price Each		
Mfr.	Mfr. Part No.	H	W	D	H	W	1	2	5
546—	PJ664H	6.10	6.10	4.18	4.88	4.88	42.80	36.81	35.06
546—	PJ864H	8.00	6.12	4.13	6.75	4.88	45.00	38.70	36.85
546—	PJ1086H	10.13	8.26	6.13	8.75	6.88	49.70	42.74	40.70
546—	PJ12106H	12.13	10.26	6.13	10.75	8.88	61.56	52.94	50.42
546—	PJ14126H	14.13	12.26	6.13	12.75	10.88	70.43	60.57	57.68
546—	PJ16148H	16.27	14.40	8.13	14.75	12.88	82.05	70.56	67.20
546—	PJ18168H	18.40	16.40	8.13	16.88	14.88	121.93	104.86	99.86
546—	PJ20168H	20.00	16.00	8.13	18.44	14.44	200.57	172.48	164.27

PJ SERIES INNER PANELS

- 14 gauge steel panels are finished in white baked powder coating.
- Aluminum panels are 0.080" (2.03 mm) type 5052 H-32 aluminum unpainted. A2420 and larger panels are .125".
- Hardware to mount inner panel is included with PJ Series Enclosures.

Steel

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Dimension (In.)		For use with PJ Series		Price Each		
Mfr.	Mfr. Part No.	L	W	H	W	1	2	5
546—	14R0505	4.88	4.88	6.10	6.10	3.08	2.64	2.52
546—	14R0705	6.75	4.88	8.00	6.13	3.53	3.04	2.89
546—	14R0907	8.75	6.88	10.14	8.26	4.82	4.14	3.95
546—	14R1109	10.75	8.88	12.14	10.26	6.53	5.61	5.34
546—	14R1311	12.75	10.88	14.13	12.25	8.53	7.34	6.99
546—	14R1513	14.75	12.88	16.28	14.40	11.31	9.73	9.26
546—	P1868	16.88	14.88	18.40	16.40	21.71	20.62	19.59
546—	P2068	18.44	14.44	20.00	16.00	24.21	23.00	21.85
546—	18P2117	21.00	17.00	24.00	20.00	38.74	33.31	31.73
546—	18P2121	21.00	21.00	24.00	24.00	44.51	38.26	36.46
546—	18P2721	27.00	21.00	30.00	24.00	53.95	46.39	44.18

Aluminum

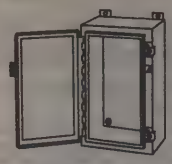
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Dimension (In.)		For use with PJ Series		Price Each		
Mfr.	Mfr. Part No.	L	W	H	W	1	2	5
546—	14A0505	4.88	4.88	6.10	6.10	3.08	2.64	2.52
546—	14A0705	6.75	4.88	8.00	6.13	3.53	3.04	2.89
546—	14A0907	8.75	6.88	10.14	8.26	4.82	4.14	3.95
546—	14A1109	10.75	8.88	12.14	10.26	6.53	5.61	5.34
546—	14A1311	12.75	10.88	14.13	12.25	8.53	7.34	6.99
546—	14A1513	14.75	12.88	16.28	14.40	11.31	9.73	9.26
546—	A1868	16.88	14.88	18.40	16.40	21.71	18.67	17.78
546—	A2068	18.44	14.44	20.00	16.00	24.21	20.82	19.83
546—	A2420	21.00	17.00	24.00	20.00	26.72	22.98	21.88
546—	A2424	21.00	21.00	24.00	24.00	29.23	25.13	23.94
546—	A3024	27.00	21.00	30.00	24.00	31.73	27.28	25.98

HEAVY DUTY NEMA TYPE 12 ENCLOSURE WITH PANEL

"Shipped Factory Direct"

- 14 gauge steel body and door
- 12 gauge steel inner panel included
- Continuously welded seams, formed lip on door and enclosure to exclude flowing liquids
- Continuously hinged door, secured with stainless steel clamps, may be removed by pulling the hinge pin
- Bonding stud on door and grounding stud in enclosure
- Welded wall mounting brackets
- Permanently secured oil resistant gasket with retainers
- Padlock hasp and literature pocket
- Exterior finished in recoatable ANSI/ASA 61 gray powder coating. Interior and panel are finished in a white powder coating.
- UL listing and CSA certified

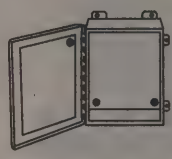


For quantities of 10 and up, call for quo

MOUSER STOCK NO.		Dimension (In.)			Panel Size (In.)		Price Each		
Mfr.	Mfr. Part No.	H	W	D	H	W	1	2	5
546—	1418B6	16	12	6	13	9	193.17	166.12	158.2
546—	1418C6	20	16	6	17	13	228.14	196.19	186.8
546—	1418D6	20	20	6	17	17	249.28	214.37	204.1
546—	1418B8	16	12	8	13	9	201.78	173.52	165.2
546—	1418C8	20	16	8	17	13	239.34	205.82	196.0
546—	1418D8	20	20	8	17	17	261.72	225.06	214.3
546—	1418E8	24	20	8	21	17	287.81	247.50	235.7
546—	1418H8	24	16	8	21	13	258.05	221.91	211.3
546—	1418J8	24	24	8	21	21	313.34	269.45	256.6
546—	1418K8	30	24	8	27	21	352.36	303.01	288.5
546—	1418E10	24	20	10	21	17	301.48	259.26	246.9
546—	1418J10	24	24	10	21	21	328.16	282.20	268.7
546—	1418K10	30	24	10	27	21	369.17	317.47	302.3

NEMA TYPE 12 HINGED COVER ENCLOSURES

- 16 gauge or 14 gauge steel bodies. Covers are formed from 14 gauge steel.
- 14 gauge steel inner panel included on models larger than 4" x 4"
- Continuously welded seams and welded wall mounting brackets
- Permanently secured oil resistant gasket
- Bonding stud on door and grounding stud in enclosure
- Continuously hinged cover secured with stainless steel clamps and plated screws
- Cover and enclosure phosphatized and finished in ANSI/ASA 61 gray recoatable powder coating
- Inner panel finished in white powder coating
- UL 508 Type 12 and CSA Type 12

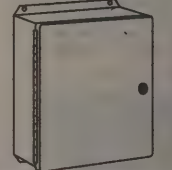


For quantities of 10 and up, call for quo

MOUSER STOCK NO.		Dimension (In.)			Panel Size (In.)		Price Each		
Mfr.	Mfr. Part No.	H	W	D	H	W	1	2	5
546—	1414PHA	4.00	4.00	3.00	- - -	- - -	27.80	23.91	22.7
546—	1414PHC	6.00	4.00	3.00	4.87	2.87	34.43	29.61	28.2
546—	1414PHG	8.00	6.00	3.50	6.75	4.88	41.89	36.02	34.3
546—	1414PHRG	6.00	8.00	3.50	4.88	6.75	41.89	36.02	34.3
546—	1414PHA4	4.00	4.00	4.00	- - -	- - -	29.02	24.96	23.7
546—	1414PHC4	6.00	4.00	4.00	4.88	2.88	36.22	31.15	29.6
546—	1414PHE	6.00	6.00	4.00	4.87	4.87	39.18	33.69	32.0
546—	1414PHKC4	12.00	6.00	4.00	10.75	4.88	51.99	44.71	42.5
546—	1414PHH4	8.00	8.00	4.00	6.75	6.88	47.64	40.97	39.0
546—	1414PHI	10.00	8.00	4.00	8.75	6.88	52.39	45.05	42.9
546—	1414PHRI	8.00	10.00	4.00	6.88	8.75	51.93	44.65	42.5
546—	1414PHK	12.00	10.00	5.00	10.75	8.88	64.97	57.88	55.1
546—	1414PHRK	10.00	12.00	5.00	8.88	10.75	66.71	57.37	54.6
546—	1414PHG6	8.00	6.00	6.00	6.75	4.88	49.01	42.15	40.1
546—	1414PHI6	10.00	8.00	6.00	8.75	6.88	58.46	50.27	47.8
546—	1414PHMH6	14.00	8.00	6.00	12.75	6.88	71.22	61.25	58.3
546—	1414PHJ6	10.00	10.00	6.00	8.75	8.88	64.81	55.73	53.0
546—	1414PHN6	16.00	10.00	6.00	14.75	8.88	85.97	73.93	70.4
546—	1414PHL6	12.00	12.00	6.00	10.75	10.88	78.39	67.41	64.2
546—	1414PHM6	14.00	12.00	6.00	12.87	10.87	85.34	73.39	69.8
546—	1414PHRM6	12.00	14.00	6.00	10.88	12.75	84.66	72.80	69.3
546—	1414PHO6	16.00	14.00	6.00	14.87	12.87	101.78	87.53	83.3
546—	1414PHRO6	14.00	16.00	6.00	12.88	14.75	100.96	86.82	82.6
546—	1414PHK8	12.00	10.00	8.00	10.75	8.88	80.60	69.31	66.0
546—	1414PHM8	14.00	12.00	8.00	12.87	10.87	96.62	83.09	79.1
546—	1414PHO8	16.00	14.00	8.00	14.75	12.88	111.76	96.11	91.5
546—	1414PHO10	16.00	14.00	10.00	14.87	12.87	125.22	107.68	102.5

NEMA TYPE 12, 13, AND 4 ENCLOSURE WITH PANEL

- 16 gauge steel body and door
- Unpainted galvanized steel inner panel included
- Continuously welded seams, formed lip on door and enclosure to exclude flowing liquids
- Continuously hinged door has 304 stainless steel hinges and provides 180° opening
- Bonding stud on door and grounding stud in enclosure
- 14 gauge welded wall mounting brackets
- Permanently secured oil resistant gasket with retainers
- Door features quarter turn latch formed from black zinc diecast
- Cover and enclosure are finished in recoatable ANSI/ASA 61 gray powder coating
- UL 508 Type 3R, 4, 12 and 13; CSA Type 3R, 4, 12 and 13

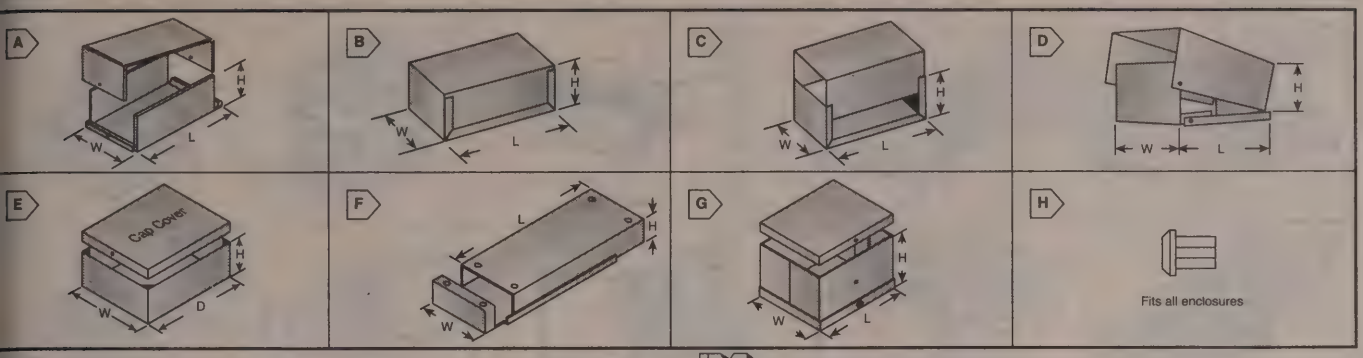


For quantities of 10 and up, call for quo

MOUSER STOCK NO.		Dimension (In.)			Panel Size (In.)		Price Each		
Mfr.	Mfr. Part No.	H	W	D	H	W	1	2	5
546—	EJ643	6.00	4.00	3.00	4.88	2.88	31.24	26.87	25.5
546—	EJ664	6.00	6.00	4.00	4.88	4.88	35.53	30.56	29.1
546—	EJ863	8.00	6.00	3.50	6.75	4.88	37.99	32.67	31.1
546—	EJ1084	10.00	8.00	4.00	8.75	6.88	47.48	40.83	38.8
546—	EJ1086	10.00	8.00	6.00	8.75	6.88	53.01	45.59	43.4
546—	EJ12105	12.00	10.00	5.00	10.75	8.88	60.97	52.43	49.9
546—	EJ12126	12.00	12.00	6.00	10.75	10.88	70.92	60.99	58.0
546—	EJ14126	14.00	12.00	6.00	12.75	10.88	77.29	66.47	63.3
546—	EJ16146	16.00	14.00	6.00	14.75	12.88	92.05	79.16	75.3

MOUSER ELECTRONICS a tti company

LMB Chassis, Boxes, and Enclosures



CHASSIS

Interlocking Boxes

Hammertone Grey

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	50	100
537-M00-P	M00-P	A	2.25	1.50	1.38	3.63	3.27	3.16	3.05
537-00Z-P	00Z-P	A	2.31	2.13	1.75	4.03	3.63	3.51	3.39
537-000-P	000-P	A	3.25	2.13	1.63	5.48	4.94	4.77	4.61
537-00-P	00-P	A	4.00	2.13	1.63	5.69	5.12	4.94	4.77
537-101-P	101-P	A	4.25	2.25	1.25	5.69	5.12	4.94	4.77
537-108-P	108-P	A	5.00	2.25	2.25	7.94	7.14	6.90	6.66
537-135-P	135-P	A	3.75	3.00	2.13	7.95	7.16	6.92	6.68
537-136-P	136-P	A	5.25	3.00	2.13	9.19	8.27	7.99	7.71
537-138-P	138-P	A	6.25	3.50	2.13	11.48	10.34	9.99	9.65
537-139-P	139-P	A	5.50	3.00	1.25	8.50	7.65	7.40	7.14
537-141-P	141-P	A	6.00	4.00	3.00	14.19	12.77	12.34	11.91
537-142-P	142-P	A	6.00	4.00	5.00	17.24	15.51	14.99	14.48
537-146-P	146-P	A	8.00	6.00	4.50	25.01	22.52	21.76	21.01

Tite-Fit Box Chassis

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	50	100
Painted Gray (screws included)									
537-TF-773-P	TF-773-P	B	3.50	2.13	1.63	5.86	5.28	5.10	4.93
537-TF-776-P	TF-776-P	B	4.00	2.00	2.75	7.21	6.50	6.28	6.06
537-TF-779-P	TF-779-P	B	5.00	4.00	3.00	10.48	9.44	9.12	8.81
537-TF-780-P	TF-780-P	B	5.25	3.00	2.13	9.25	8.33	8.05	7.77
537-TF-781-P	TF-781-P	B	6.00	5.00	4.00	14.25	12.83	12.40	11.97
537-TF-782-P	TF-782-P	B	7.00	5.00	3.00	15.38	13.85	13.38	12.92
537-TF-784-P	TF-784-P	B	10.00	6.00	3.50	20.57	18.51	17.89	17.28
537-TF-787-P	TF-787-P	B	12.00	7.00	4.00	28.35	25.52	24.66	23.81
Unpainted (screws included)									
537-TF-770	TF-770	B	2.75	2.13	1.63	3.93	3.54	3.42	3.30
537-TF-772	TF-772	B	3.25	2.13	1.13	3.93	3.54	3.42	3.30
537-TF-775	TF-775	B	4.00	2.25	2.25	5.34	4.80	4.64	4.48
537-TF-777	TF-777	B	4.25	2.25	1.50	4.43	3.99	3.86	3.72
537-TF-778	TF-778	B	5.00	2.25	2.25	5.73	5.16	4.99	4.82
537-TF-779	TF-779	B	5.00	4.00	3.00	8.00	7.20	6.96	6.72
537-TF-780	TF-780	B	5.25	3.00	2.13	6.31	5.69	5.50	5.31
537-TF-781	TF-781	B	6.00	5.00	4.00	11.18	10.07	9.73	9.39
537-TF-782	TF-782	B	7.00	5.00	3.00	11.32	10.19	9.85	9.51
537-TF-783	TF-783	B	8.00	6.00	3.50	13.77	12.39	11.98	11.56
537-TF-784	TF-784	B	10.00	6.00	3.50	16.29	14.66	14.17	13.68
537-TF-787	TF-787	B	12.00	7.00	4.00	22.63	20.37	19.69	19.01

Iffy Box Chassis

Unpainted, snap together

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	50	100
537-J-870	J-870	C	2.75	2.13	1.63	3.93	3.54	3.42	3.30
537-J-871	J-871	C	2.75	2.13	2.75	4.43	3.99	3.86	3.72
537-J-872	J-872	C	3.25	2.13	1.13	3.93	3.54	3.42	3.30
537-J-873	J-873	C	3.50	2.13	1.63	4.22	3.80	3.67	3.54
537-J-875	J-875	C	4.00	2.25	2.25	5.34	4.80	4.64	4.48
537-J-877	J-877	C	4.25	2.25	1.50	4.43	3.99	3.86	3.72
537-J-879	J-879	C	5.00	4.00	3.00	8.00	7.20	6.96	6.72
537-J-880	J-880	C	5.25	3.00	2.13	6.31	5.69	5.50	5.31
537-J-881	J-881	C	6.00	5.00	4.00	11.18	10.07	9.73	9.39
537-J-882	J-882	C	7.00	5.00	3.00	11.32	10.19	9.85	9.51
537-J-884	J-884	C	10.00	6.00	3.50	16.29	14.66	14.17	13.68

Crown Royal (C-R) Series

Light blue top, gray bottom

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	50	100
537-CR-321	CR-321-P	D	3.25	2.13	1.63	7.67	6.90	6.67	6.44
537-CR-332	CR-332-P	D	3.75	3.00	2.13	9.75	8.78	8.48	8.19
537-CR-400	CR-400-P	D	4.00	2.00	2.75	9.37	8.43	8.15	7.87
537-CR-421	CR-421-P	D	4.00	2.13	1.63	7.88	7.10	6.86	6.62
537-CR-422	CR-422-P	D	4.00	2.25	2.25	9.17	8.25	7.98	7.70
537-CR-425	CR-425-P	D	4.25	2.25	1.25	7.84	7.05	6.82	6.58
537-CR-442	CR-442-P	D	4.00	4.00	2.00	10.15	9.14	8.83	8.53
537-CR-531	CR-531-P	D	5.50	3.00	1.25	10.30	9.27	8.96	8.65
537-CR-532	CR-532-P	D	5.25	3.00	2.13	10.69	9.62	9.29	8.97
537-CR-632	CR-632-P	D	6.25	3.50	2.13	13.09	11.78	11.38	10.99
537-CR-643	CR-643-P	D	6.00	4.00	3.00	15.93	14.34	13.86	13.38
537-CR-753	CR-753-P	D	7.00	5.00	3.00	19.45	17.51	16.92	16.34
537-CR-800	CR-800-P	D	8.00	3.00	2.75	15.88	14.30	13.82	13.34
537-CR-864	CR-864-P	D	8.00	6.00	4.50	25.94	23.34	22.56	21.78
537-CR-1042	CR-1042-P	D	10.00	4.00	2.20	20.00	18.00	17.40	16.80

CAP COVER CHASSIS

- Special welded corners for sturdier chassis
- Finish: plain aluminum
- Manufactured from aircraft aluminum type 3003, H-14
- Cap construction permits all space inside chassis to be utilized.

Chassis (Without Cover)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	50	100
537-572	572	E	5.00	7.00	2.00	12.23	11.01	10.64	10.28
537-573	573	E	5.00	7.00	3.00	13.52	12.17	11.76	11.35
537-5103	5103	E	5.00	10.00	3.00	15.95	14.36	13.88	13.40
537-772	772	E	7.00	7.00	2.00	12.05	10.85	10.48	10.12
537-792	792	E	7.00	9.00	2.00	13.55	12.20	11.79	11.38
537-7123	7123	E	7.00	12.00	3.00	18.78	16.91	16.34	15.78
537-842	842	E	8.00	4.00	2.00	10.63	9.57	9.25	8.93
537-8103	8103	E	8.00	10.00	3.00	18.25	16.43	15.88	15.33
537-8123	8123	E	8.00	12.00	3.00	20.23	18.21	17.60	17.00
537-8173	8173	E	8.00	17.00	3.00	27.69	24.92	24.08	23.25
537-10123	10123	E	10.00	12.00	3.00	21.88	19.70	19.04	18.38
537-10173	10173	E	10.00	17.00	3.00	32.32	29.09	28.12	27.15
537-12173	12173	E	12.00	17.00	3.00	39.92	35.93	34.73	33.53
537-13173	13173	E	13.00	17.00	3.00	41.66	37.50	36.25	35.00

Chassis Cap Covers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Fits Chassis	Price Each			
				1	10	50	100
537-572C	572C	E	537-572 and 537-573	4.29	3.86	3.73	3.60
537-5103C	5103C	E	537-5103	5.23	4.71	4.55	4.40
537-772C	772C	E	537-772	5.53	4.98	4.81	4.65
537-792C	792C	E	537-792	7.44	6.69	6.47	6.24
537-7123C	7123C	E	537-7123	8.39	7.55	7.29	7.04
537-842C	842C	E	537-842	4.29	3.86	3.73	3.60
537-8103C	8103C	E	537-8103	8.34	7.50	7.25	7.00
537-8123C	8123C	E	537-8123	9.26	8.34	8.06	7.78
537-8173C	8173C	E	537-8173	11.09	9.98	9.64	9.31
537-10123C	10123C	E	537-10123	10.02	9.02	8.71	8.41
537-10173C	10173C	E	537-10173	17.27	15.54	15.02	14.50
537-12173C	12173C	E	537-12173	19.15	17.24	16.66	16.09
537-13173C	13173C	E	537-13173	21.96	19.77	19.11	18.45

SLIDE COVER (OR DUST COVER) BOXES

- Finish: plain aluminum
- .050 aluminum used

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	50	100
537-16	16	F	13.00	3.13	2.63	23.50	21.15	20.45	19.74
537-17	17	F	13.00	4.13	2.63	24.60	22.14	21.40	20.66
537-18	18	F	13.00	5.25	2.63	27.92	25.13	24.29	23.45
537-19	19	F	17.00	3.13	2.63	32.43	29.19	28.22	27.24

ENCLOSURES Utility Boxes

- Finish: plain aluminum
- Manufactured from aircraft aluminum type 3003-H 14

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	50	100
537-UC-970	UC-970	G	4.00	4.00	2.00	10.91	9.83	9.50	9.17
537-UC-971	UC-971	G	5.00	4.00	3.00	12.03	10.83	10.47	10.11
537-UC-972	UC-972	G	6.00	5.00	4.00	15.73	14.16	13.69	13.22
537-UC-973	UC-973	G	6.00	6.00	6.00	19.26	17.34	16.76	16.18
537-UC-973A	UC-973A	G	6.00	6.00	3.00	15.84	14.25	13.78	13.30
537-UC-974	UC-974	G	7.00	5.00	3.00	15.87	14.28	13.80	13.33
537-UC-975	UC-975	G	9.00	6.00	5.00	25.86	23.28	22.50	21.73
537-UC-976	UC-976	G	10.00	8.00	7.00	37.64	33.87	32.74	31.61
537-UC-977	UC-977	G	12.00	7.00	6.00	36.19	32.57	31.48	30.39
537-UC-978	UC-978	G	10.00	10.00	8.00	47.37	42.63	41.21	39.79
537-UC-979	UC-979	G	12.00	11.00	8.00	57.33	51.60	49.88	48.16
537-UC-980	UC-980	G	15.00	9.00	7.00	57.00	51.30	49.59	47.88

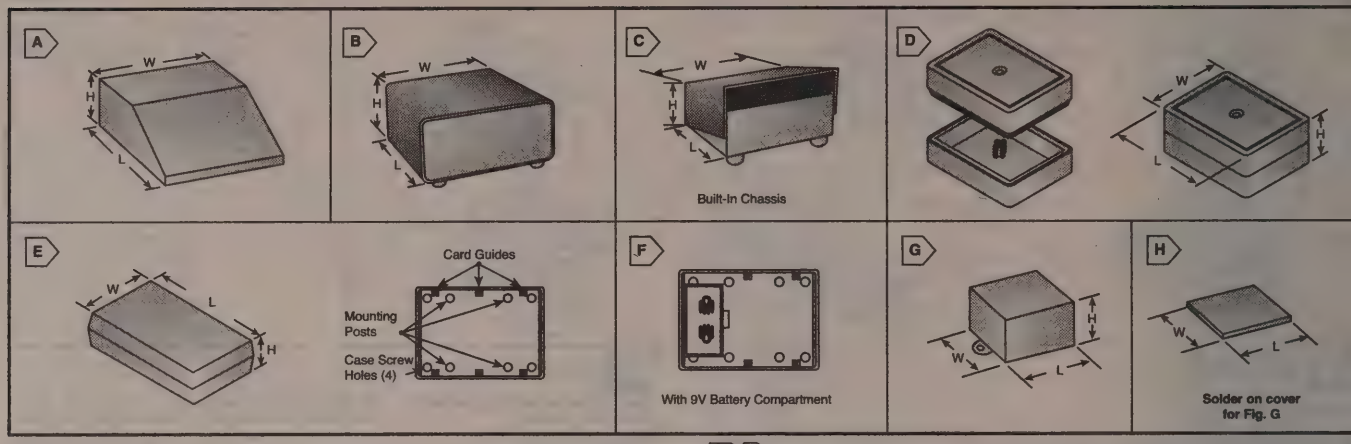
Non-Skid Foot (Black)

Note: Four (4) required for each box (plugs into screw holes)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Description	Price Each			
				1	50	100	500
537-F2	F2	H	Black elastomer non-skid feet; fits all enclosures	.22	.20	.19	.18

LMB Enclosures, Consoles, and Cabinets



ALUMINUM MODULAR DESKTOP CONSOLES

The length of the flat top is 1/2 of the total length.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	50	100
Unpainted (Includes Rubber Feet)									
537-MDC321-01	MDC321	A	3.00	2.00	1.50	5.43	4.89	4.73	4.56
537-MDC432-01	MDC432	A	4.00	3.00	2.00	7.28	6.56	6.34	6.12
537-MDC532-01	MDC532	A	5.00	3.00	2.00	8.39	7.55	7.29	7.04
537-MDC642-01	MDC642	A	6.00	4.00	2.25	10.03	9.03	8.73	8.43
537-MDC752-01	MDC752	A	7.00	5.00	2.50	11.56	10.41	10.06	9.72
537-MDC862-01	MDC862	A	8.00	6.00	2.75	15.19	13.67	13.21	12.75
537-MDC973-01	MDC973	A	9.00	7.00	3.00	16.72	15.05	14.54	14.04
537-MDC1183-01	MDC1183	A	11.00	8.00	3.50	25.01	22.52	21.76	21.01
537-MDC13104-01	MDC13104	A	13.00	10.00	4.00	33.95	30.56	29.54	28.52
537-MDC15155-01	MDC15155	A	15.00	15.00	4.50	55.36	49.83	48.17	46.51
Painted Beige / Ivory (Includes Rubber Feet)									
537-MDC321-BI	MDC321-B/I	A	3.00	2.00	1.50	8.42	7.58	7.32	7.07
537-MDC432-BI	MDC432-B/I	A	4.00	3.00	2.00	11.37	10.23	9.89	9.55
537-MDC532-BI	MDC532-B/I	A	5.00	3.00	2.00	12.69	11.42	11.03	10.65
537-MDC642-BI	MDC642-B/I	A	6.00	4.00	2.25	15.09	13.58	13.12	12.67
537-MDC752-BI	MDC752-B/I	A	7.00	5.00	2.50	16.85	15.17	14.66	14.15
537-MDC862-BI	MDC862-B/I	A	8.00	6.00	2.75	21.54	19.38	18.73	18.09
537-MDC973-BI	MDC973-B/I	A	9.00	7.00	3.00	24.04	21.63	20.91	20.19
537-MDC1042-BI	MDC1042-B/I	A	10.00	4.50	2.50	22.26	20.04	19.37	18.70
537-MDC1183-BI	MDC1183-BI	A	11.00	8.00	3.50	32.41	29.18	28.20	27.23
537-MDC13104-BI	MDC13104-BI	A	13.00	10.00	4.00	42.67	38.40	37.12	35.84
537-MDC15155-BI	MDC15155-BI	A	15.00	15.00	4.50	67.76	60.99	58.96	56.92

ALUMINUM CABINETS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	50	100
Perforated Cabinets; Gray body/Drk. Gray front (Includes Rubber Feet)									
537-CO-3-P	CO-3-P	B	7.25	5.50	3.13	41.04	36.93	35.70	34.47
537-CO-7-P	CO-7-P	B	11.00	8.00	7.00	77.91	70.13	67.79	65.45
ME Series Black; Cover / White Body (Includes Rubber Feet)									
537-ME-462-P	ME-462-P	C	4.00	6.00	2.50	31.71	28.55	27.59	26.64
537-ME-583-P	ME-583-P	C	5.00	8.00	3.00	40.57	36.51	35.29	34.08
537-ME-7114-P	ME-7114-P	C	7.00	11.00	4.00	53.31	47.99	46.39	44.79

HIGH-IMPACT ABS ENCLOSURES, MINIATURE

- Extra small size
- Screw included
- Scratch resistant finish
- High impact ABS plastic

Color Code Chart

To order add applicable suffix for desired color to Mouser Stock No.

Color	Black	Gray	Almond
Suffix	BK	GY	AL

Specify color when ordering. See color chart above.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	50	100
537-300-__	300-_	D	2.125	1.375	0.580	4.20	3.78	3.65	3.53
537-301-__	301-_	D	2.263	1.613	0.753	4.20	3.78	3.65	3.53
537-302-__	302-_	D	2.400	1.850	0.925	4.20	3.78	3.65	3.53

HIGH-IMPACT ABS ENCLOSURES, STANDARD

- Scratch resistant grain finish
- Card guides for vertical mounting of circuit boards
- 9 volt battery compartment (500 Series)
- Internal mounting bosses for horizontal circuit boards

Specify color when ordering, see color chart.

Color Code Chart

To order add applicable suffix for desired color to Mouser Stock No.

Color	Black	Gray	Almo
Suffix	BK	GY	AL

Note: all dimensions are outside measurements

For quantities of 500 and up, call for quo

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions (In.)			Vert. Card Pos.	Mtg. Post	Price Each			
			L	W	H			1	10	50	100
537-400-I-__	400-I-	E	3.60	2.25	1.00	- - -	- - -	5.46	4.92	4.76	4.5
537-401-__	401-	E	3.60	2.25	1.50	2	4	5.37	4.83	4.67	4.5
537-402-__	402-	E	4.38	3.25	1.50	3	4	7.17	6.45	6.24	6.0
537-403-__	403-	E	5.62	3.25	1.50	4	4	9.23	8.31	8.03	7.7
537-404-__	404-	E	6.87	4.87	1.50	5	8	9.53	8.58	8.29	8.0
537-408-__	408-	E	6.87	4.87	2.00	5	8	11.85	10.67	10.31	9.9
537-410-__	410-	E	4.38	3.25	2.50	3	4	8.12	7.31	7.06	6.8
537-411-__	411-	E	5.62	3.25	2.50	4	4	10.73	9.66	9.34	9.0
537-412-__	412-	E	6.87	4.87	2.50	5	8	12.45	11.21	10.83	10.4
537-413-__	413-	E	9.50	6.34	1.50	- - -	- - -	17.69	15.92	15.38	14.8
537-501-__	501-	F	4.11	2.61	1.50	1	4	5.93	5.34	5.16	4.9
537-502-__	502-	F	4.38	3.25	1.50	3	4	8.51	7.67	7.41	7.1
537-503-__	503-	F	5.62	3.25	1.50	3	4	10.56	9.51	9.19	8.8

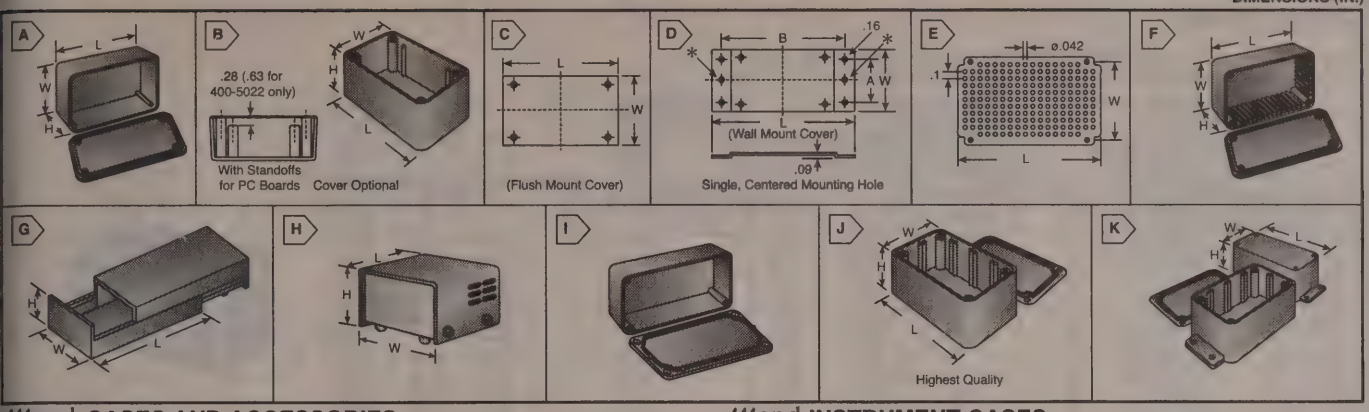
ENCLOSURES AND LIDS

For quantities of 500 and up, call for qu

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	50	10
Drawn Miniature Boxes - Unplated									
537-M01	M01	G	1.25	1.00	1.00	1.47	1.32	1.28	1.2
537-M10	M10	G	1.75	1.25	0.88	1.47	1.32	1.28	1.2
537-M17	M17	G	2.00	1.75	1.00	1.47	1.32	1.28	1.2
537-M18	M18	G	2.00	2.00	1.25	1.47	1.32	1.28	1.2
Lids - Unplated (Match Lid Part Number to Box Part Number)									
537-M01-L	M01-L	H	1.13	1.00	- - -	1.01	.92	.88	.8
537-M10-L	M10-L	H	1.75	1.25	- - -	1.01	.92	.88	.8
537-M17-L	M17-L	H	2.00	1.75	- - -	1.01	.92	.88	.8
537-M18-L	M18-L	H	2.00	2.00	- - -	1.01	.92	.88	.8
Drawn Miniature Boxes - Cadmium Plated (M23 thru M27 do not have mounting ears)									
537-M01-PLTD	M01-PLTD	G	1.13	1.00	0.94	2.56	2.31	2.23	2.1
537-M06-PLTD	M06-PLTD	G	1.50	1.13	0.75	2.56	2.31	2.23	2.1
537-M10-PLTD	M10-PLTD	G	1.75	1.25	0.88	2.56	2.31	2.23	2.1
537-M11-PLTD	M11-PLTD	G	2.00	1.25	0.75	2.56	2.31	2.23	2.1
537-M12-PLTD	M12-PLTD	G	2.00	1.25	1.00	2.56	2.31	2.23	2.1
537-M15-PLTD	M15-PLTD	G	2.00	1.75	0.50	2.56	2.31	2.23	2.1
537-M16-PLTD	M16-PLTD	G	2.00	1.75	0.75	2.56	2.31	2.23	2.1
537-M17-PLTD	M17-PLTD	G	2.00	1.75	1.00	2.56	2.31	2.23	2.1
537-M18-PLTD	M18-PLTD	G	2.00	2.00	1.25	2.56	2.31	2.23	2.1
537-M21-PLTD	M21-PLTD	G	2.50	2.00	1.25	2.56	2.31	2.23	2.1
537-M23-PLTD	M23-PLTD	G	3.88	2.38	0.88	2.56	2.31	2.23	2.1
537-M24-PLTD	M24-PLTD	G	2.00	1.75	0.75	2.56	2.31	2.23	2.1
537-M25-PLTD	M25-PLTD	G	3.06	3.06	2.63	6.23	5.61	5.42	5.2
537-M26-PLTD	M26-PLTD	G	4.63	2.38	2.25	6.23	5.61	5.42	5.2
537-M27-PLTD	M27-PLTD	G	4.75	3.00	1.75	6.23	5.61	5.42	5.2
Lids - Cadmium Plated (Match Lid Part Number to Box Part Number)									
537-M01-L-PLTD	M01-L-PLTD	H	1.13	1.00	- - -	1.55	1.40	1.35	1.3
537-M06-L-PLTD	M06-L-PLTD	H	1.50	1.13	- - -	1.55	1.40	1.35	1.3
537-M10-L-PLTD	M10-L-PLTD	H	1.75	1.25	- - -	1.55	1.40	1.35	1.3
537-M11-L-PLTD	M11-L-PLTD	H	2.00	1.25	- - -	1.55	1.40	1.35	1.3
537-M12-L-PLTD	M12-L-PLTD	H	2.00	1.25	- - -	1.55	1.40	1.35	1.3
537-M15-L-PLTD	M15-L-PLTD	H	2.00	1.75	- - -	1.55	1.40	1.35	1.3
537-M16-L-PLTD	M16-L-PLTD	H	2.00	1.75	- - -	1.55	1.40	1.35	1.3
537-M17-L-PLTD	M17-L-PLTD	H	2.00	1.75	- - -	1.55	1.40	1.35	1.3
537-M18-L-PLTD	M18-L-PLTD	H	2.00	2.00	- - -	1.55	1.40	1.35	1.3
537-M21-L-PLTD	M21-L-PLTD	H	2.50	2.00	- - -	1.55	1.40	1.35	1.3
537-M23-L-PLTD	M23-L-PLTD	H	3.88	2.38	- - -	1.55	1.40	1.35	1.3
537-M24-L-PLTD	M24-L-PLTD	H	2.00	1.75	- - -	1.55	1.40	1.35	1.3
537-M25-L-PLTD	M25-L-PLTD	H	3.06	3.06	- - -	2.99	2.69	2.60	2.4
537-M26-L-PLTD	M26-L-PLTD	H	4.63	2.38	- - -	2.99	2.69	2.60	2.4
537-M27-L-PLTD	M27-L-PLTD	H	4.75	3.00	- - -	2.99	2.69	2.60	2.4

Cases and Accessories

DIMENSIONS (IN.)



epd CASES AND ACCESSORIES

Plastic Project Boxes with Lids

- Molded ABS plastic
- PCB guides (400-1561 and 400-1571 only)
- Height is with lid on

(Dimensions are outside dimensions.)

MOUSER STOCK NO.	Fig.	Dimension (In.) L	W	H	Color	Price Each 1	10	50	100	200+
400-1541	A	3	2	1	Black	2.90	1.74	1.60	1.45	Call for Quote
400-1551	A	4 3/8	2 1/4	7/8	Black	3.30	1.98	1.82	1.65	
400-1561	A	4	3	1 5/8	Black	3.95	2.37	2.17	1.98	
400-1571	A	5 7/8	3 7/8	2 1/4	Black	6.75	4.05	3.71	3.38	

High-Impact Polystyrene

- Two styles of lids are available: flush mount and wall mount
- Covers and custom PC boards must be ordered separately

† Designed with only two standoffs for PC boards. All others have four.

MOUSER STOCK NO.	Fig.	Dimension (In.) L	W	H	Color	Price Each 1	10	25	50	100+
†400-5022	B	2.00	1.40	1.00	Black	1.87	1.56	1.41	1.28	Call for Quote
†400-5032	B	2.70	1.71	1.18	Black	2.11	1.76	1.60	1.45	
†400-5043	B	3.29	2.11	1.38	Black	2.41	2.01	1.83	1.66	
400-5053	B	4.19	2.74	1.57	Black	3.17	2.64	2.41	2.18	
400-5064	B	5.30	3.33	1.57	Black	4.10	3.42	3.10	2.82	
400-5074	B	6.90	4.30	1.60	Black	5.47	4.56	4.14	3.77	

Aluminum Covers (Unpainted)

- Peel off protective plastic skin
- Includes hardware

MOUSER STOCK NO.	Fig.	Dimension (In.) L	W	A	B	Fits Cases	Price Each 1	10	25	50	100+
400-7022	C	1.89	1.30	- - -	- - -	400-5022	1.57	1.31	1.19	1.08	Call for Quote
400-7032	C	2.56	1.57	- - -	- - -	400-5032	1.52	1.27	1.15	1.05	
400-7043	C	3.15	1.97	- - -	- - -	400-5043	1.90	1.58	1.44	1.31	
400-7053	C	4.02	2.56	- - -	- - -	400-5053	2.24	1.86	1.69	1.54	
400-7064	C	5.12	3.15	- - -	- - -	400-5064	2.87	2.40	2.18	1.98	
400-7074	C	6.96	4.13	- - -	- - -	400-5074	5.19	4.33	3.94	3.58	
400-8043	D	4.41	1.97	1.34	3.90	400-5043	2.70	2.25	2.05	1.86	
400-8053	D	5.43	2.56	1.77	4.80	400-5053	3.12	2.60	2.36	2.15	

epd PRE-PUNCHED COPPER CLAD PC BOARDS

Features:

- Holes: ø.042"; spacing between holes: 0.1"
- Copper clad around holes, one side
- Pre-patterned "pad-per-hole" design

MOUSER STOCK NO.	Fig.	Dimensions (In.) L	W	Fits Cases	Price Each 1	10	25	50	100+
400-9032	E	2.44	1.46	400-5032 and 400-6032	2.46	2.05	1.86	1.69	Call for Quote
400-9043	E	3.03	1.85	400-5043 and 400-6043	3.28	2.74	2.49	2.26	
400-9053	E	3.86	2.40	400-5053 and 400-6053	4.30	3.59	3.26	2.97	
400-9064	E	4.96	2.99	400-5064 and 400 6064	5.95	4.96	4.51	4.10	

epd MOLDED ABS PLASTIC CASES

(Dimensions are outside dimensions.)

- Molded ABS plastic, .10" thick
- Temperature rating: -20°C to +85°C
- Interlocking flanged cover with four screws
- Add .10" to dimension "H" with lid on
- PCB guides

MOUSER STOCK NO.	Fig.	Dimension (In.) L	W	H	Color	Price Each 1	10	50	100	200+
400-1542	F	4.1	2.2	1.7	Gray	3.70	3.37	3.06	2.78	Call for Quote
400-1552	F	5.1	2.5	1.7	Gray	4.66	4.02	3.71	3.50	
400-1562	F	5.9	3.5	2.2	Gray	5.46	4.68	4.46	4.10	
400-1572	F	7.3	4.5	2.5	Gray	7.93	6.80	6.47	5.96	

With Sliding Lids

Interlocking two-piece design
- Accepts PC board and 9V battery
- Easy access for do-it-yourself kits

MOUSER STOCK NO.	Fig.	Dimension (In.) L	W	H	Color	Price Each 1	10	25	50	100+
400-4048	G	4.7	3.1	1.1	Black	6.83	5.70	5.18	4.71	Call
400-4049	G	5.9	4.1	1.1	Black	8.37	6.98	6.34	5.76	

epd INSTRUMENT CASES

- Black 18 gauge hammertone steel cover fits over a painted gray aluminum base

MOUSER STOCK NO.	Fig.	Dimensions (In.) Length	Width	Height	Price Each 1	10	50	100	200+
40UB102	H	5 7/8	4	2 3/8	9.35	7.80	7.10	6.48	Call for Quote
40UB103	H	5 7/8	5 1/4	3	10.32	8.60	7.81	7.48	

DELTRON Emcon DIECAST ALUMINUM CASES (Without PCB Guides)

- Natural aluminum (unpainted)
- Excellent RF shielding
- Interlocking cover, with countersunk screws

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Dimension (In.) L	W	H	Wall Thickness	Price Each 1	10	50	100
400-4590	459-0010	I	3.5	1.4	1.2	.063	6.75	5.65	5.35	4.40
400-4591	459-0020	I	4.5	2.5	1.2	.063	7.35	6.15	5.90	5.55
400-4587	459-0040	I	4.5	2.5	2.2	.063	8.35	7.52	6.84	6.21
400-4592	459-0030	I	4.5	3.5	2.2	.063	11.12	9.29	8.85	8.34
400-4593	459-0050	I	6.8	4.7	2.2	.075	17.84	14.90	14.18	13.38
400-4594	459-0060	I	6.8	4.7	4.2	.075	19.95	16.70	15.90	15.00
400-4588	459-0070	I	8.7	5.7	2.2	.075	22.13	20.12	18.29	16.63
400-4589	459-0080	I	8.7	5.7	4.2	.075	30.29	27.53	25.03	22.75

Sealed Cases

- Natural aluminum (unpainted)
- Rubber extruded seal incorporated into edge of the case
- Provides extra protection against dust, moisture, ozone, acids, and alkalis
- Suitable for service from -40°C to +120°C
- Without PCB guides
- Interlocking flanged cover with countersunk screws

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Dimension (In.) L	W	H	Wall Thickness	Price Each 1	10	50	100
400-4551	460-0020	I	4.5	2.5	1.2	.063	15.83	14.39	13.08	11.89
400-4552	460-0030	I	4.5	3.5	2.2	.063	19.05	17.32	15.75	14.32
400-4553	460-0040	I	4.5	2.5	2.2	.063	16.90	15.37	13.97	12.70
400-4554	460-0050	I	6.8	4.7	2.2	.075	25.51	23.19	21.08	19.17
400-4556	460-0070	I	8.8	5.7	2.2	.075	33.62	30.56	27.78	25.26
400-4557	460-0080	I	8.8	5.7	4.2	.075	41.97	38.16	34.69	31.53

Black Nylon Coated

- Nylon coating (75-100 microns thick) provides an added degree of protection against corrosion
- Can be drilled or machined without effecting the finish
- No PCB guides
- Extra hard surface

Color: Gray, blue, yellow, and brown, also available (on special order basis). Call your customer service representative for more information.

For quantities of 200 and up, call for quote.

Deltron Part No.	Fig.	Dimension (In.) L	W	H	Wall Thickness	Price Each 1	10	50	100
400-4620	462-0010E	I	3.5	1.4	1.2	.063	16.52	15.02	13.66	12.41
400-4621	462-0020E	I	4.5	2.5	1.2	.063	18.60	16.91	15.37	13.98
400-4622	462-0030E	I	4.5	3.5	2.2	.063	23.61	21.47	19.51	17.74
400-4623	462-0040E	I	4.5	2.5	2.2	.063	20.76	18.88	17.16	15.60
400-4624	462-0050E	I	6.8	4.7	2.2	.075	31.91	29.00	26.37	23.97
400-4625	462-0060E	I	6.8	4.7	4.2	.075	40.83	37.12	33.75	30.68

DELTRON Emcon DIECAST ALUMINUM CASES (With PCB Guides)

- Natural aluminum (unpainted)
- Excellent RF shielding
- Interlocking flanged cover, with countersunk screws

For quantities of 200 and up, call for quote.

Deltron Part No.	Fig.	Dimension (In.) L	W	H	Wall Thickness	Price Each 1	10	50	100
400-4585	459-0150	J	2.4	2.2	1.2	.063	6.96	6.33	5.76	5.23
400-4586	459-0140	J	3.1	2.2	1.0	.063	8.23	7.48	6.80	6.18
400-4595	459-0120	J	4.7	4.0	1.4	.083	21.99	19.99	18.21	16.55
400-4596	459-0100	J	5.5	4.0	3.0	.075	26.53	24.11	21.92	19.93
400-4597	459-0110	J	6.5	5.0	3.0	.075	31.08	28.26	25.69	23.35
400-4598	459-0090	J	10.8	6.9	2.2	.075	47.73	43.39	39.45	35.86
400-4599	459-0130	J	9.8	9.8	3.9	.098	58.35	53.02	48.20	43.83

With Mounting Flanges and PCB Guides

- Excellent RF shielding
- Natural aluminum (unpainted)
- Interlocking flanged cover with countersunk screws

∗ Due to size, 400-4600 flange has only 1 screw mounting hole.

For quantities of 200 and up, call for quote.

Deltron Part No.	Fig.	Dimension (In.) L	W	H	Wall Thickness	Price Each 1	10	50	100
∗400-4600	455-0010	K	3.5	1.4	1.2	.063	18.04	16.40	14.91	13.55
400-4601	455-0020	K	4.5	2.5	1.2	.063	19.99	18.17	16.52	15.02
400-4603	455-0030	K	4.5	3.5	2.2	.063	23.87	21.70	19.73	17.93
400-4604	455-0050	K	6.8	4.8	2.2	.075	33.61	30.56	27.78	25.25
400-4606	455-0070	K	8.8	5.8	2.2	.075	38.68	35.16	31.97	29.06

Metal Boxes

ALTECH DIN Enclosures

Altech Corp.

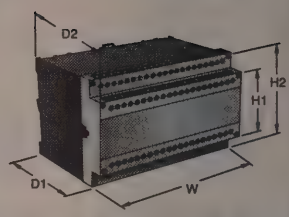
ALTECH K04700

A wide range of sizes and cover designs. Pressure plate or screw cage clamp terminals, fixed and pluggable terminal-to-board connections. Pluggable connection helps to eliminate wiring mistakes.

Specifications:
- 8 to 132 Terminals
- Housing Material: Glass-filled Polycarbonate
- Cover Material: Glass-filled Polycarbonate
- Std. Color: Black Housing, Tan Cover
- Terminals Rated 16 A (Pluggable to 10 A)
- Enclosures With Removable Cover Panels

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Max # Of Term.	Term.-to-Bd. Connection *	Housing Dimension (mm)					Price Each		
				W	H1	H2	D1	D2	1	10	25
845-90.201	90.201	8	MS	22.5	73.2	—	118.2	—	17.46	16.67	15.88
845-90.202	90.202	8	WJ, ST	22.5	73.2	—	118.2	—	17.68	16.88	16.07
845-90.230	90.230	10	WJ, FO	45.0	73.2	—	118.2	—	18.53	17.65	16.81
845-90.290	90.290	16	MS	45.0	73.2	—	118.2	—	29.42	28.02	26.69
845-90.320	90.320	16	CE	45.0	73.2	—	118.2	—	28.40	27.05	25.76
845-90.350	90.350	20	WJ, ST, CE	100.0	73.2	—	118.2	—	45.61	43.44	41.37
845-90.380	90.380	22	MS	75.0	73.2	—	118.2	—	42.67	40.64	38.70
845-90.410	90.410	22	CE	75.0	73.2	—	118.2	—	48.11	45.82	43.64
845-90.440	90.440	30	MS	100.0	73.2	—	118.2	—	48.86	46.53	44.31
845-90.470	90.470	30	CE	100.0	73.2	—	118.2	—	52.24	49.75	47.38
845-90.500	90.500	32	MS	152.0	73.2	—	118.2	—	60.33	57.46	54.72
845-90.530	90.530	42	WJ, ST, CE	200.0	73.2	—	118.2	—	66.06	62.91	59.91
845-90.560	90.560	42	WJ, ST, CE	200.0	123.0	—	118.2	—	71.36	67.96	64.72
845-90.590	90.590	50	MS	152.0	73.2	—	118.2	—	77.55	74.03	70.50
845-90.620	90.620	50	CE	152.0	73.2	—	118.2	—	83.90	80.09	76.27
845-90.680	90.680	66	CE	200.0	73.2	—	118.2	—	108.74	103.56	98.63
845-90.710	90.710	66	CE	200.0	123.0	—	118.2	—	114.18	108.74	103.56
845-90.740	90.740	84	WJ, ST, CE	200.0	82.6	123.0	118.2	137.2	116.39	110.85	105.57
845-90.770	90.770	132	CE	200.0	82.6	123.0	118.2	137.2	201.87	192.26	183.10



* Terminal-to-Board Connections: WJ = Wire Jumper, MS = Machine Solderable Pins.
CE = Card Edge (Pluggable), FO = Fast on, ST = Solder Tab.

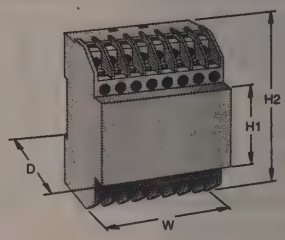
ALTECH KU4000 SCREW CLAMP (HORIZONTAL PCB)

Versatile enclosures provide ample internal space for wiring and electronic components. Kits consist of snap-in double level terminals, cover and base, with integral PC board guides. Machine solderable pins, pressure plate terminals.

Specifications:
- 8 to 64 Terminals
- Integral Printed Circuit Board Guides
- Housing Material: Glass-filled Polycarbonate
- Standard Color: Gray
- Terminals Rated 16 A

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Max # Of Term.	Term.-to-Bd. Connection *	Housing Dimension (mm)				Price Each		
				W	H1	H2	D	1	10	25
845-91.202	91.202	8	WJ, MS	17.5	45.0	90.0	58.0	16.49	15.70	14.95
845-91.220	91.220	16	WJ, MS	35.0	45.0	90.0	58.0	22.81	21.72	20.69
845-91.260	91.260	32	WJ, MS	71.5	45.0	90.0	58.0	35.82	34.19	32.56
845-91.310	91.310	48	WJ, MS	105.0	45.0	90.0	59.0	53.13	50.72	48.30
845-91.380	91.380	64	WJ, MS	140.0	45.0	90.0	59.0	66.95	63.76	60.72



* Terminal-to-Board Connections: WJ = Wire Jumper, MS = Machine Solderable Pins.

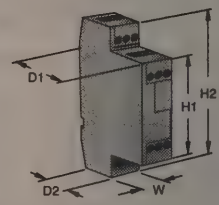
ALTECH K04070

Compact, cost-effective snap-together kits. Removable screw cage clamp terminals with dual solder pins are machine solderable. Horizontal and vertical PC board positions. Funnel shaped wire entries.

Specifications:
- 4 to 16 Cage Clamp Terminals
- Housing Material: Glass-filled Polycarbonate
- Standard Color: Gray
- Terminals Rated 16 A
- Extended Length Pins Available

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Max # Of Term.	Term.-to-Bd. Connection *	Housing Dimension (mm)					Price Each		
				W	H1	H2	D1	D2	1	10	25
845-91.001	91.001	4	SP	12.5	60.0	—	60.0	—	7.36	7.01	6.68
845-91.010	91.010	6	SP	12.5	60.0	75.0	60.0	31.0	8.54	8.13	7.74
845-91.020	91.020	6	SP	20.0	60.0	—	60.0	—	9.42	8.97	8.54
845-91.030	91.030	8	SP	12.5	60.0	90.0	60.0	31.0	10.15	9.67	9.21
845-91.040	91.040	8	SP	28.0	60.0	—	60.0	—	11.48	10.93	10.41
845-91.050	91.050	9	SP	20.0	60.0	75.0	60.0	31.0	11.62	11.07	10.54
845-91.060	91.060	12	SP	20.0	60.0	90.0	60.0	31.0	14.56	13.87	13.21
845-91.070	91.070	12	SP	28.0	60.0	75.0	60.0	31.0	15.00	14.29	13.61
845-91.080	91.080	16	SP	28.0	60.0	90.0	60.0	31.0	19.57	18.64	17.75



* Terminal-to-Board Connections: SP = Solder Pin

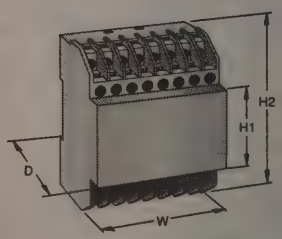
ALTECH KU4000 SCREW CLAMP (VERTICAL PCB)

Versatile enclosures provide ample internal space for wiring and electronic components. Kits consist of snap-in double level terminals, cover and base, with integral PC board guides. Machine solderable pins, pressure plate terminals.

Specifications:
- 8 to 64 Terminals
- Integral Printed Circuit Board Guides
- Housing Material: Glass-filled Polycarbonate
- Standard Color: Gray
- Terminals Rated 16 A
- Base Mount PCB

For quantities of 50 and up, call for quote.

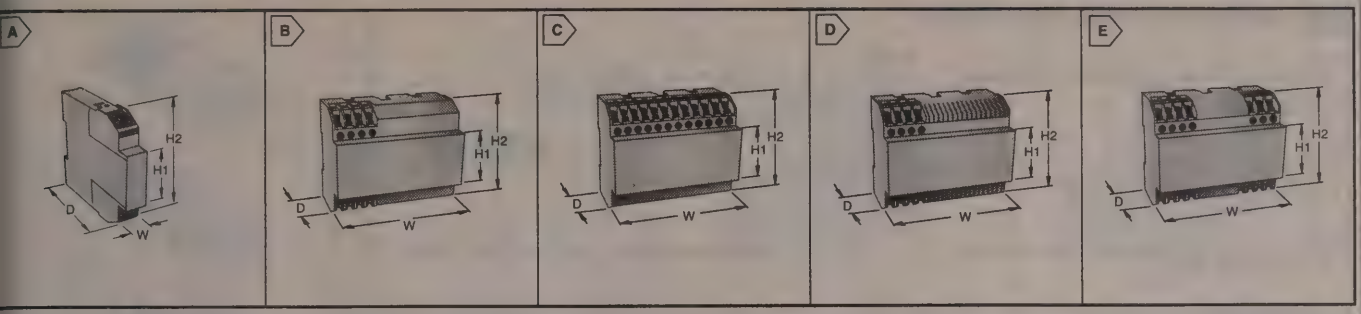
MOUSER STOCK NO.	Altech Part No.	Max # Of Term.	Term.-to-Bd. Connection *	Housing Dimension (mm)				Price Each		
				W	H1	H2	D	1	10	25
845-91.201	91.201	8	WJ, MS	17.5	45.0	90.0	58.0	16.49	15.70	14.95
845-91.240	91.240	16	WJ, MS	35.0	45.0	90.0	58.0	22.81	21.72	20.69
845-91.280	91.280	32	WJ, MS	71.5	45.0	90.0	58.0	35.90	34.19	32.56
845-91.330	91.330	48	WJ, MS	105.0	45.0	90.0	59.0	53.26	50.72	48.30
845-91.400	91.400	64	WJ, MS	140.0	45.0	90.0	59.0	66.95	63.76	60.72



* Terminal-to-Board Connections: WJ = Wire Jumper, MS = Machine Solderable Pins.

ALTECH DIN Enclosures

Altech Corp.®



ALTECH KU4000-SPECIAL SERIES

Specifications:
8 to 32 terminals
Integral Printed Circuit Board Guides
Housing Material: Glass-filled Polycarbonate
Standard Color: Gray
Vertical or Horizontal PCB

For quantities of 50 and up, call for quote.

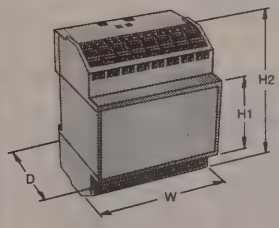
MOUSER STOCK NO.	Altech Part No.	Fig.	Max # Of Term.	Term.-to-Bd. Connection*	Pins	Description	Housing Dimension (mm)				Price Each		
							W	H1	H2	D	1	10	25
845-91.203	91.203	A	8	WJ, MS	Right Angle	Tall, vertical screw clamp	17.5	45.0	90.0	97.0	17.09	16.28	15.50
845-91.503	91.503	A	8	WJ, MS	Right Angle	Tall, vertical spring clamp	17.5	45.0	90.0	97.0	17.09	16.28	15.50
845-91.243	91.243	A	16	WJ, MS	Right Angle	Tall, vertical screw clamp	35.0	45.0	90.0	97.0	23.60	22.48	21.41
845-91.543	91.543	A	16	WJ, MS	Right Angle	Tall, vertical spring clamp	35.0	45.0	90.0	97.0	23.60	22.48	21.41
845-91.283	91.283	A	32	WJ, MS	Right Angle	Tall, vertical screw clamp	71.5	45.0	90.0	97.0	26.39	25.13	23.93
845-91.583	91.583	A	32	WJ, MS	Right Angle	Tall, vertical spring clamp	71.5	45.0	90.0	97.0	26.39	25.13	23.93
845-91.250	91.250	B	16	WJ, MS	Right Angle	Partial terminals, vertical	105.5	45.0	90.0	59.0	29.06	27.68	26.36
845-91.230	91.230	B	16	MS	Straight	Partial terminals, horizontal	105.5	45.0	90.0	59.0	29.06	27.68	26.36
845-91.290	91.290	C	24	WJ, MS	Right Angle	Terminals one side, vertical	105.5	45.0	90.0	59.0	34.62	32.97	31.40
845-91.270	91.270	C	24	MS	Straight	Terminals one side, horizontal	105.5	45.0	90.0	59.0	34.62	32.97	31.40
845-91.320	91.320	C	32	WJ, MS	Right Angle	Terminals one side, vertical	140.0	45.0	90.0	59.0	40.91	38.96	37.10
845-91.300	91.300	C	32	MS	Straight	Terminals one side, horizontal	140.0	45.0	90.0	59.0	40.91	38.96	37.10
845-91.255	91.255	D	16	WJ, MS	Right Angle	With vent slots, vertical	105.5	45.0	90.0	59.0	30.50	29.05	27.67
845-91.235	91.235	D	16	MS	Straight	With vent slots, horizontal	105.5	45.0	90.0	59.0	30.50	29.05	27.67
845-91.360	91.360	E	32	WJ, MS	Right Angle	Terminals corners only, vertical	140.0	45.0	90.0	59.0	40.81	38.96	37.10
845-91.340	91.340	E	32	MS	Straight	Terminals corners only, horizontal	140.0	45.0	90.0	59.0	40.91	38.96	37.10
845-91.365	91.365	E	32	WJ, MS	Right Angle	With vent slots, vertical	140.0	45.0	90.0	59.0	42.96	40.91	38.96
845-91.345	91.345	E	32	MS	Straight	With vent slots, horizontal	140.0	45.0	90.0	59.0	42.96	40.91	38.96

* Terminal-to-Board Connections: WJ = Wire Jumper, MS = Machine Solderable Pins.

ALTECH KU4000-SPRING CLAMP (HORIZONTAL PCB)

Versatile enclosures provide ample internal space for wiring and electronic components. Kits consist of snap-in double level terminals, cover and base, with integral PC board guides. Machine solderable pins, spring cage clamp terminals.

Specifications:
8 to 64 Terminals
Integral Printed Circuit Board Guides
Housing Material: Glass-filled Polycarbonate
- Standard Color: Gray
- Terminals Rated 10 A
- Base Mount PCB



For quantities of 50 and up, call for quote.

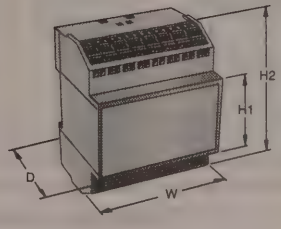
MOUSER STOCK NO.	Altech Part No.	Max # Of Term.	Term.-to-Bd. Connection *	Housing Dimension (mm)				Price Each		
				W	H1	H2	D	1	10	25
845-91.502	91.502	8	MS	17.5	45.0	90.0	58.0	16.49	15.70	14.95
845-91.520	91.520	16	MS	35.0	45.0	90.0	58.0	22.81	21.72	20.69
845-91.560	91.560	32	MS	71.5	45.0	90.0	58.0	36.47	34.81	33.15
845-91.510	91.510	48	MS	105.0	45.0	90.0	59.0	53.26	50.72	48.30
845-91.610	91.610	64	MS	140.0	45.0	90.0	59.0	66.95	63.76	60.72

* Terminal-to-Board Connections: MS = Machine Solderable Pins.

ALTECH KU4000-SPRING CLAMP (VERTICAL PCB)

Versatile enclosures provide ample internal space for wiring and electronic components. Kits consist of snap-in double level terminals, cover and base, with integral PC board guides. Machine solderable pins, spring cage clamp terminals.

Specifications:
8 to 64 Terminals
Integral Printed Circuit Board Guides
Housing Material: Glass-filled Polycarbonate
- Standard Color: Gray
- Terminals Rated 10 A
- Right Angle Pins



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Max # Of Term.	Term.-to-Bd. Connection *	Housing Dimension (mm)				Price Each		
				W	H1	H2	D	1	10	25
845-91.501	91.501	8	WJ, MS	17.5	45.0	90.0	58.0	16.49	15.70	14.95
845-91.540	91.540	16	WJ, MS	35.0	45.0	90.0	58.0	22.81	21.72	20.69
845-91.580	91.580	32	WJ, MS	71.5	45.0	90.0	58.0	35.90	34.19	32.56
845-91.530	91.530	48	WJ, MS	105.0	45.0	90.0	59.0	53.26	50.72	48.30
845-91.600	91.600	64	WJ, MS	140.0	45.0	90.0	59.0	66.95	63.76	60.72

* Terminal-to-Board Connections: WJ = Wire Jumper, MS = Machine Solderable Pins.

BUD Plastic Enclosures

GRABBERS HAND HELD BOXES

Style A:
- Available with/without 2.84" x 1.38" LCD cut-out in the display area.
- Has a 9-volt/AA battery compartment
- UL94V-O flammability rating

Style B:
- Available with/without 4.00" x 1.75" LCD cut-out in the display area.
- Available with/without a 9-volt/AA battery compartment
- UL94V-O flammability rating

Style F:
- Pocket-sized with molded-in ring suitable for key ring applications.
- UL94-HB flammability rating

Style G:
- Available with/without a 2.84" x 2.03" LCD cutout in the display area
- Available with/without a 9-volt/AA battery compartment
- UL94V-0 flammability rating
- Wall mounting plate/tilt stand included

Style H:
- UL94-HB flammability rating
- Built-in clear LED light pipe for status monitoring

NEW FROM SUPPLIER

Contact a Mouser Service Representative for custom modification.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Style	Color	LCD Cut-out	Battery Compartment	Buttons	Dimensions (In.) H x W x D	Price Each 1	10	50	100
563-HH-3400-BC	HH-3400-BC	A	A	Gray	No	Yes	No	7.09 X 3.94 X 1.57	16.30	12.75	12.08	11.50
563-HH-3401-BC	HH-3401-BC	A	A	Gray	Yes	Yes	No	7.09 X 3.94 X 1.57	15.10	12.60	11.92	11.35
563-HH-3420	HH-3420	B	B	Gray	No	No	No	9.33 X 5.16 X 1.71	19.00	15.85	14.96	14.25
563-HH-3420-BC	HH-3420-BC	B	B	Gray	No	Yes	No	9.33 X 5.16 X 1.71	19.90	16.60	15.70	14.95
563-HH-3421	HH-3421	B	B	Gray	Yes	No	No	9.33 X 5.16 X 1.71	18.50	15.45	14.60	13.90
563-HH-3421-BC	HH-3421-BC	B	B	Gray	Yes	Yes	No	9.33 X 5.16 X 1.71	19.50	16.25	15.38	14.65
563-HH-3492	HH-3492	C	F	Gray	No	No	2	2.23 X 1.29 X .45	5.00	4.15	3.94	3.75
563-HH-3494	HH-3494	D	F	Gray	No	No	4	2.23 X 1.29 X .45	5.00	4.15	3.94	3.75
563-HH-3496-B	HH-3496-B	B	G	Black	No	No	No	8.27" X 4.33" X 1.59"	16.10	13.40	12.05	10.70
563-HH-3496-G	HH-3496-G	B	G	Gray	No	No	No	8.27" X 4.33" X 1.59"	16.10	13.40	12.05	10.70
563-HH-3497-BC-B	HH-3497-BC-B	B	G	Black	No	Yes	No	8.27" X 4.33" X 1.59"	16.50	13.75	12.40	11.00
563-HH-3497-BC-G	HH-3497-BC-G	B	G	Gray	No	Yes	No	8.27" X 4.33" X 1.59"	16.50	13.75	12.40	11.00
563-HH-3498-B	HH-3498-B	B	G	Black	Yes	No	No	8.27" X 4.33" X 1.59"	16.10	13.40	12.05	10.70
563-HH-3498-G	HH-3498-G	B	G	Gray	Yes	No	No	8.27" X 4.33" X 1.59"	16.10	13.40	12.05	10.70
563-HH-3499-BC-B	HH-3499-BC-B	B	G	Black	Yes	Yes	No	8.27" X 4.33" X 1.59"	16.50	13.75	12.40	11.00
563-HH-3499-BC-G	HH-3499-BC-G	B	G	Gray	Yes	Yes	No	8.27" X 4.33" X 1.59"	16.50	13.75	12.40	11.00
563-HH-3501	HH-3501	E	H	Black	No	No	1	2.72 X 1.84 X 1.25	5.00	4.15	3.75	3.30
563-HH-3502	HH-3502	F	H	Black	No	No	2	2.72 X 1.84 X 1.25	5.00	4.15	3.75	3.30
563-HH-3503	HH-3503	G	H	Black	No	No	3	2.72 X 1.84 X 1.25	5.00	4.15	3.75	3.30
563-HH-3504	HH-3504	H	H	Black	No	No	4	2.72 X 1.84 X 1.25	5.00	4.15	3.75	3.30
563-HH-3505	HH-3505	I	H	Black	No	No	5	2.72 X 1.84 X 1.25	5.00	4.15	3.75	3.30

PLASTIBOX™

PS: Textured body with smooth top insert for silk screening capability
PT: Textured body with textured top
PBS: Textured body with smooth top insert and 9-volt battery compartment

Style A:
- Has squared corners, provisions for mounting horizontal and vertical PCB's, and four non-skid feet
- UL94-HB flammability rating
- Temperature rating -40 C to +60 C
- Available in black or gray

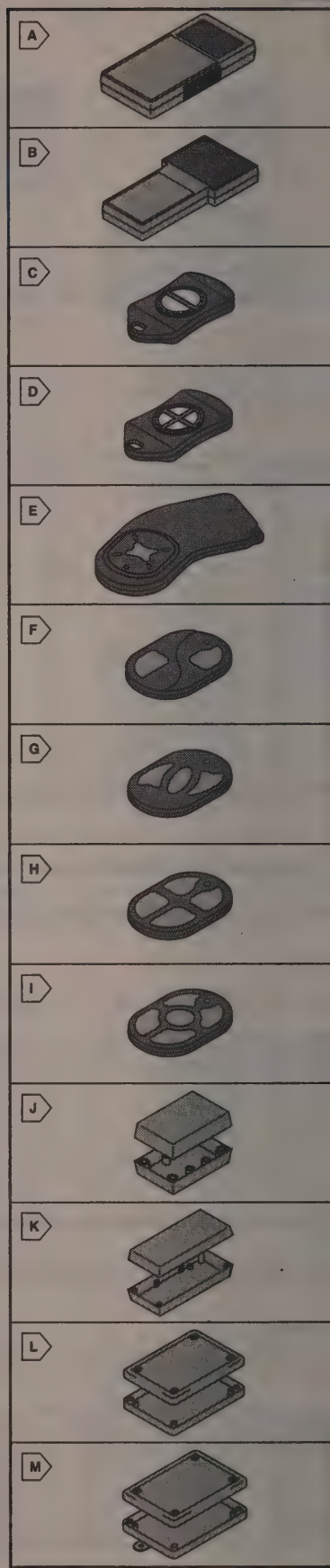
Style F:
- Has squared corners and provisions for mounting horizontal and vertical PCB's
- UL94-HB flammability rating
- Temperature rating -40 C to +80 C
- Available in black or gray

Style H:
- Has rounded corners and edges and provisions for mounting horizontal PCB's
- UL94-5VA flammability rating
- Temperature rating -20 C to +70 C
- Available with molded-in external wall mounting brackets
- Available in black. Other colors available

Contact a Mouser Service Representative for custom modification.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Color	Style	Out. Dimensions H x W x D (In.)	Price Each 1	10	50	100
563-PT-11308-B	PT-11308-B	J	Black	A	3.62 x 2.25 x 1.50	5.40	4.05	3.60	3.40
563-PT-11308-G	PT-11308-G	J	Gray	A	3.62 x 2.25 x 1.50	5.40	4.05	3.69	3.51
563-PBS-11327-B	PBS-11327-B	J	Black	A	5.62 x 3.25 x 1.50	10.30	7.75	7.04	6.70
563-PBS-11327-G	PBS-11327-G	J	Gray	A	5.62 x 3.25 x 1.50	10.30	7.75	7.04	6.70
563-PT-11372-B	PT-11372-B	J	Black	A	3.62 x 2.25 x 2.50	5.70	4.30	3.90	3.71
563-PT-11372-G	PT-11372-G	J	Gray	A	3.62 x 2.25 x 2.50	5.70	4.30	3.90	3.71
563-PT-11388-B	PT-11388-B	J	Black	A	5.62 x 3.25 x 2.48	9.80	7.40	6.69	6.37
563-PT-11388-G	PT-11388-G	J	Gray	A	5.62 x 3.25 x 2.48	9.80	7.40	6.69	6.37
563-PS-11521-B	PS-11521-B	K	Black	F	3.62 x 2.25 x 1.01	3.10	2.35	2.10	2.00
563-PS-11521-G	PS-11521-G	K	Gray	F	3.62 x 2.25 x 1.01	3.10	2.35	2.10	2.00
563-PT-11557-B	PT-11557-B	K	Black	F	6.87 x 4.87 x 2.52	7.20	5.40	4.80	4.50
563-PT-11557-G	PT-11557-G	K	Gray	F	6.87 x 4.87 x 2.52	7.20	5.40	4.80	4.50
563-PBS-11532-B	PBS-11532-B	K	Black	F	4.37 x 3.25 x 1.52	4.80	4.00	3.78	3.60
563-PBS-11532-G	PBS-11532-G	K	Gray	F	4.37 x 3.25 x 1.52	4.80	4.00	3.78	3.60
563-PS-11533-B	PS-11533-B	K	Black	F	4.37 x 3.25 x 1.52	4.80	4.00	3.78	3.60
563-PS-11533-G	PS-11533-G	K	Gray	F	4.37 x 3.25 x 1.52	4.80	4.00	3.78	3.60
563-PS-11543-B	PS-11543-B	K	Black	F	5.62 x 3.25 x 1.52	5.50	4.60	4.36	4.15
563-PS-11543-G	PS-11543-G	K	Gray	F	5.62 x 3.25 x 1.52	5.50	4.60	4.36	4.15
563-PS-11553-B	PS-11553-B	K	Black	F	6.87 x 4.87 x 1.52	6.80	5.65	5.36	5.10
563-PS-11553-G	PS-11553-G	K	Gray	F	6.87 x 4.87 x 1.52	6.80	5.65	5.36	5.10
563-PT-11642	PT-11642	L	Black	H	4.25 x 2.62 x 1.25	7.20	6.00	5.67	5.40
563-PT-11653	PT-11653	L	Black	H	5.62 x 3.25 x 1.12	7.80	6.50	6.14	5.85
563-PT-11664	PT-11664	L	Black	H	6.00 x 4.00 x 1.12	8.50	7.10	6.72	6.40
563-PT-11642-MB	PT-11642-MB	M	Black	H	4.25 x 2.62 x 1.25	7.20	6.00	5.67	5.40
563-PT-11653-MB	PT-11653-MB	M	Black	H	5.62 x 3.25 x 1.12	7.80	6.50	6.14	5.85
563-PT-11664-MB	PT-11664-MB	M	Black	H	6.00 x 4.00 x 1.12	8.50	7.10	6.72	6.40



CREATING A UNIQUE DESIGN TO MEET YOUR SPECIFIC NEEDS

BUD's state-of-the-art production allows low tooling cost and rapid productions of custom products.

Contact a Mouser Service Representative about reducing your fabrication expenses.

UTILIBOXES

Style "A"

ABS Plastic with flammability rating of 94V-5VA and suggested service temperature of -20°C to +60°C. Comes with close fitting interlocking lid and assembly hardware. Available with either a flush textured cover, or with a smooth recessed area suitable for labels or keypads. Finish: Textured black

NEW FROM SUPPLIER

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Cover Style	Dimensions (In.) D	W	H	Price Each 1	5	25	100
With Molded-in Mounting Brackets										
563-CU-3281-MB	CU-3281-MB	A	Textured	3.10	4.60	1.75	9.90	7.45	6.76	6.44
563-CU-3282-MB	CU-3282-MB	A	Textured	4.60	4.60	2.25	10.50	7.90	7.17	6.83
563-CU-3283-MB	CU-3283-MB	A	Textured	4.60	6.10	2.25	11.20	8.40	7.64	7.28
563-CU-3284-MB	CU-3284-MB	A	Textured	4.60	7.60	2.25	13.70	10.30	9.36	8.91
563-CU-3285-MB	CU-3285-MB	A	Textured	5.15	8.25	3.00	17.40	14.50	13.05	11.60
563-CUR-3285-MB	CUR-3285-MB	B	Recessed	5.15	8.25	3.00	17.40	14.50	13.05	11.60
563-CU-3286-MB	CU-3286-MB	A	Textured	6.15	10.15	3.13	22.00	18.35	16.50	14.70
563-CUR-3286-MB	CUR-3286-MB	B	Recessed	6.15	10.15	3.13	22.00	18.35	16.50	14.70
Without Mounting Brackets										
563-CU-3281	CU-3281	A	Textured	3.10	4.60	1.75	7.20	5.40	4.91	4.68
563-CU-3282	CU-3282	A	Textured	4.60	4.60	2.25	7.60	5.70	5.10	4.75
563-CU-3283	CU-3283	A	Textured	4.60	6.10	2.25	9.20	6.95	6.28	5.98
563-CU-3284	CU-3284	A	Textured	4.60	7.60	2.25	10.60	7.95	7.23	6.89
563-CU-3285	CU-3285	A	Textured	5.15	8.25	3.00	17.20	14.35	12.90	11.50
563-CUR-3285	CUR-3285	B	Recessed	5.15	8.25	3.00	17.20	14.35	12.90	11.50
563-CU-3286	CU-3286	A	Textured	6.15	10.15	3.13	22.00	18.35	16.50	14.70
563-CUR-3286	CUR-3286	B	Recessed	6.15	10.15	3.13	22.00	18.35	16.50	14.70

Style "D"

High impact polystyrene with UL94-HB flammability rating. Comes with close-fitting interlocking lid and assembly hardware. Provisions for mounting horizontal PCB. Finish: Black.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Dimensions (In.) D	W	H	Price Each 1	5	25	100
With Molded-in Mounting Brackets									
563-CU741MB	CU-741-MB	A	1.51	2.26	0.79	2.80	2.10	1.90	1.82
563-CU742MB	CU-742-MB	A	3.00	2.50	1.00	6.50	4.85	4.30	4.05
Without Mounting Brackets									
563-CU741	CU-741	A	1.51	2.26	0.79	2.80	2.10	1.90	1.82
563-CU742	CU-742	A	3.00	2.50	1.00	6.40	4.80	4.30	4.00

Style "G"

ABS plastic with 94V-O flammability rating. Suggested service temperature of -20°C to +60°C. Comes with close fitting interlocking lid and assembly hardware. Horizontal PCB mounting bosses. Finish: Textured black

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Dimensions (In.) D	W	H	Price Each 1	5	25	100
With Molded-in Mounting Brackets									
563-CU-387-MB	CU-387-MB	A	4.34	5.59	1.75	7.30	5.50	4.90	4.55
563-CU-388-MB	CU-388-MB	A	3.06	4.31	1.37	5.90	4.15	4.03	3.84
563-CU-389-MB	CU-389-MB	A	3.57	5.07	1.50	6.80	4.75	4.64	4.42
Without Mounting Brackets									
563-CU-387	CU-387	A	4.34	5.59	1.75	7.20	5.40	4.91	4.68
563-CU-388	CU-388	A	3.06	4.31	1.37	5.80	4.05	3.65	3.35
563-CU-389	CU-389	A	3.57	5.07	1.50	6.70	4.70	4.58	4.36

Style "J"

ABS plastic with flammability rating of UL94-HB and suggested service temperature of -40°C to +80°C. Internal PCB card guides accept both horizontal and vertical boards. Comes with grid pattern on underside of cover for modification reference points. Finish: Black.

NEW FROM SUPPLIER

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Dimensions (In.) D	W	H	Price Each 1	5	25	100
With Molded-in Mounting Brackets									
563-CU-1941-MB	CU-1941-MB	C	2.13	3.27	1.12	2.00	1.65	1.50	1.30
563-CU-1943-MB	CU-1943-MB	C	2.68	5.12	1.61	2.90	2.40	2.15	1.90
563-CU-1945-MB	CU-1945-MB	C	3.76	6.21	2.00	4.40	3.65	3.30	2.90
563-CU-1947-MB	CU-1947-MB	C	4.45	7.77	2.38	5.30	4.45	4.00	3.55
Without Mounting Brackets									
563-CU-1941	CU-1941	C	2.13	3.27	1.12	2.10	1.60	1.44	1.37
563-CU-1943	CU-1943	C	2.68	5.12	1.61	3.00	2.25	2.00	1.90
563-CU-1945	CU-1945	C	3.76	6.21	2.00	4.80	3.60	3.20	3.00
563-CU-1947	CU-1947	C	4.45	7.77	2.38	5.80	4.35	3.96	3.77

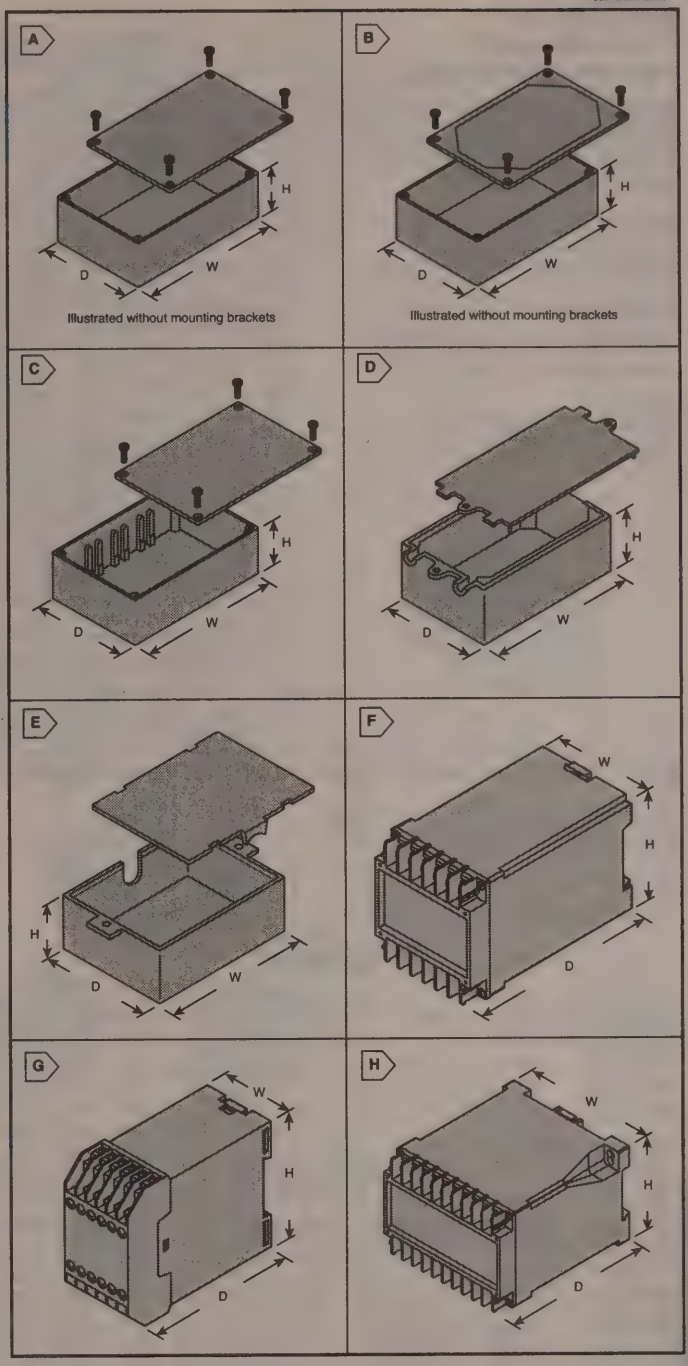
Style "K"

NEW FROM SUPPLIER

ABS plastic, UL94-HB flammability rating.
Three versions available:
Version 1 - press-fit cover, and molded-in wire entry points.
Version 2 - screwed-on cover, molded-in wire entry points, and recessed area on cover for decal.
Version 3 - snap-fit cover, and wire entry port.
Molded-in external wall/panel mounting tabs.
Finish: Black

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Version	Dimensions (In.) D	W	H	Price Each 1	5	25	100
563-CU-1950	CU-1950	D	1	1.50	2.56	0.79	1.50	1.25	1.15	1.00
563-CU-1951	CU-1951	D	1	1.50	2.56	0.98	1.60	1.35	1.20	1.10
563-CU-1952	CU-1952	D	1	1.73	2.83	0.79	1.80	1.50	1.35	1.20
563-CU-1953	CU-1953	D	1	1.73	2.83	0.98	1.90	1.60	1.45	1.30
563-CU-1954	CU-1954	D	2	2.24	3.23	1.14	2.40	2.00	1.80	1.60
563-CU-1955	CU-1955	E	3	2.69	3.48	1.29	2.50	2.10	1.90	1.70



DIN RAIL MOUNT BOXES

Durable UL94V-0 rated ABS plastic housing. External clamp type contacts have M3 screws and lock washers. Internal solder tab contacts. All contacts are tin plated brass and have a 10Amp rating. Internal horizontal and vertical PCB card guides. Screw attached front covers with recessed area for labels. Fits standard DIN rail.

NEW FROM SUPPLIER

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	No. of Contacts	Dimensions (In.) D	W	H	Price Each 1	5	10	25
563-DB-4701	DB-4701	F	12	2.57	2.76	4.43	12.90	10.41	9.46	8.60
563-DB-4702	DB-4702	F	16	3.23	2.76	4.43	15.20	13.79	12.54	11.40
563-DB-4703	DB-4703	F	20	3.94	2.76	4.43	17.80	16.16	14.69	13.35
563-DB-4704	DB-4704	F	24	4.61	2.76	4.43	23.00	20.88	18.98	17.25
With Tiered Contacts										
563-DB-4754	DB-4754	G	12	0.89	3.22	3.90	15.20	13.79	12.54	11.40
563-DB-4751	DB-4751	G	24	1.72	3.22	3.90	17.80	16.16	14.69	13.35
With Panel Mounting Option										
563-DB-4713	DB-4713	H	20	3.94	2.76	4.43	23.00	20.88	18.98	17.25
563-DB-4715	DB-4715	H	32	5.91	2.76	4.43	15.20	13.79	12.54	11.40

BUD NEMA 4X Enclosures

BUD NEMA 4X POLYCARBONATE AND ABS ENCLOSURES

Polycarbonate and high-impact ABS molded enclosures that meet NEMA 4X specifications,are ideal for PCB enclosures, junction boxes and other applications in the electrical and electronic industry. Offered in three different versions. Contact a Mouser Service Representative for custom modifications.

Style "A"

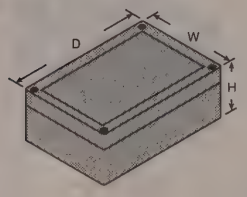
Light gray polycarbonate body and cover.
Body/Cover - UV stabilized, UL94-2 flammability rating.
Suggested service temperature: -40°C to 120°C

Style "B"

Light gray polycarbonate body and clear polycarbonate cover.
Body/Cover - UV stabilized, UL94-2 flammability rating.
Suggested service temperature: -40°C to 120°C

Style "C"

Dark gray ABS body and cover.
Body/Cover - UL94-HB flammability rating.
Suggested service temperature: 40°C to 80°C



For quantities of 5 and up, call for q

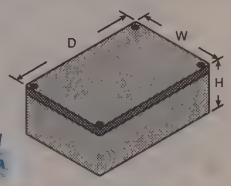
Dimensions (In.)			Style A			Style B			Style C		
D	W	H	MOUSER STOCK NO.	Bud Part No.	Price Each	MOUSER STOCK NO.	Bud Part No.	Price Each	MOUSER STOCK NO.	Bud Part No.	Pri Ea
2.56	2.28	1.38	563-PN-1320	PN-1320	7.40	563-PN-1320-C	PN-1320-C	7.70	563-PN-1320-DG	PN-1320-DG	5.
4.53	2.56	1.57	563-PN-1321	PN-1321	10.30	563-PN-1321-C	PN-1321-C	10.60	563-PN-1321-DG	PN-1321-DG	7.
4.53	2.56	2.17	563-PN-1322	PN-1322	11.10	563-PN-1322-C	PN-1322-C	11.40	563-PN-1322-DG	PN-1322-DG	8.
4.53	3.54	2.17	563-PN-1323	PN-1323	12.80	563-PN-1323-C	PN-1323-C	13.20	563-PN-1323-DG	PN-1323-DG	9.
6.73	4.76	2.17	563-PN-1324	PN-1324	17.90	563-PN-1324-C	PN-1324-C	18.50	563-PN-1324-DG	PN-1324-DG	14.
8.74	5.75	2.17	563-PN-1325	PN-1325	23.70	563-PN-1325-C	PN-1325-C	24.30	563-PN-1325-DG	PN-1325-DG	19.
7.68	3.15	2.17	563-PN-1326	PN-1326	17.90	563-PN-1326-C	PN-1326-C	17.90	563-PN-1326-DG	PN-1326-DG	11.
6.73	4.76	3.15	563-PN-1327	PN-1327	19.40	563-PN-1327-C	PN-1327-C	19.40	563-PN-1327-DG	PN-1327-DG	13.
4.53	3.54	3.15	563-PN-1328	PN-1328	14.90	563-PN-1328-C	PN-1328-C	14.90	563-PN-1328-DG	PN-1328-DG	10.
8.74	5.75	2.95	563-PN-1329	PN-1329	26.00	563-PN-1329-C	PN-1329-C	26.00	563-PN-1329-DG	PN-1329-DG	16.
2.05	1.97	1.38	563-PN-1330	PN-1330	5.90	563-PN-1330-C	PN-1330-C	6.10	563-PN-1330-DG	PN-1330-DG	5.
3.23	3.15	2.17	563-PN-1331	PN-1331	11.30	563-PN-1331-C	PN-1331-C	11.50	563-PN-1331-DG	PN-1331-DG	8.
6.30	3.15	2.17	563-PN-1332	PN-1332	15.40	563-PN-1332-C	PN-1332-C	15.70	563-PN-1332-DG	PN-1332-DG	11.
6.30	3.15	3.35	563-PN-1333	PN-1333	16.50	563-PN-1333-C	PN-1333-C	16.80	563-PN-1333-DG	PN-1333-DG	13.
7.87	4.72	2.95	563-PN-1334	PN-1334	23.40	563-PN-1334-C	PN-1334-C	23.70	563-PN-1334-DG	PN-1334-DG	17.
10.43	7.28	3.74	563-PN-1335	PN-1335	38.40	563-PN-1335-C	PN-1335-C	38.40	563-PN-1335-DG	PN-1335-DG	29.
4.72	4.72	2.36	563-PN-1336	PN-1336	16.80	563-PN-1336-C	PN-1336-C	16.80	563-PN-1336-DG	PN-1336-DG	12.
4.72	4.72	3.54	563-PN-1337	PN-1337	18.20	563-PN-1337-C	PN-1337-C	18.20	563-PN-1337-DG	PN-1337-DG	13.
6.30	6.30	2.36	563-PN-1338	PN-1338	23.30	563-PN-1338-C	PN-1338-C	23.30	563-PN-1338-DG	PN-1338-DG	17.
6.30	6.30	3.54	563-PN-1339	PN-1339	25.00	563-PN-1339-C	PN-1339-C	25.00	563-PN-1339-DG	PN-1339-DG	18.
9.45	6.30	3.54	563-PN-1340	PN-1340	29.80	563-PN-1340-C	PN-1340-C	29.80	563-PN-1340-DG	PN-1340-DG	23.
9.45	6.30	4.72	563-PN-1341	PN-1341	37.00	563-PN-1341-C	PN-1341-C	37.00	563-PN-1341-DG	PN-1341-DG	27.
11.81	9.06	3.39	563-PN-1342	PN-1342	69.20	563-PN-1342-C	PN-1342-C	69.20	563-PN-1342-DG	PN-1342-DG	44.
11.81	9.06	4.37	563-PN-1343	PN-1343	77.60	563-PN-1343-C	PN-1343-C	77.60	563-PN-1343-DG	PN-1343-DG	47.
14.17	7.87	5.91	563-PN-1344	PN-1344	93.60	563-PN-1344-C	PN-1344-C	93.60	563-PN-1344-DG	PN-1344-DG	55.
			Style A, with recessed cover			Style B, with recessed cover			Style C, with recessed cover		
3.94	3.94	2.17	563-PNR-2600	PNR-2600	13.60	563-PNR-2600-C	PNR-2600-C	13.60	563-PNR-2600-DG	PNR-2600-DG	11.
3.94	3.94	3.54	563-PNR-2601	PNR-2601	15.10	563-PNR-2601-C	PNR-2601-C	15.10	563-PNR-2601-DG	PNR-2601-DG	13.
4.72	3.15	2.17	563-PNR-2602	PNR-2602	14.60	563-PNR-2602-C	PNR-2602-C	14.60	563-PNR-2602-DG	PNR-2602-DG	11.
4.72	3.15	3.35	563-PNR-2603	PNR-2603	15.60	563-PNR-2603-C	PNR-2603-C	15.60	563-PNR-2603-DG	PNR-2603-DG	12.
7.87	4.72	3.54	563-PNR-2604	PNR-2604	23.20	563-PNR-2604-C	PNR-2604-C	23.20	563-PNR-2604-DG	PNR-2604-DG	17.
9.45	4.72	2.36	563-PNR-2605	PNR-2605	24.50	563-PNR-2605-C	PNR-2605-C	24.50	563-PNR-2605-DG	PNR-2605-DG	16.
9.45	4.72	3.94	563-PNR-2606	PNR-2606	30.00	563-PNR-2606-C	PNR-2606-C	30.00	563-PNR-2606-DG	PNR-2606-DG	18.
7.87	5.91	2.17	563-PNR-2607	PNR-2607	23.30	563-PNR-2607-C	PNR-2607-C	23.30	563-PNR-2607-DG	PNR-2607-DG	15.
7.87	5.91	2.95	563-PNR-2608	PNR-2608	24.60	563-PNR-2608-C	PNR-2608-C	24.60	563-PNR-2608-DG	PNR-2608-DG	16.

NEMA 4X SEALED DIE-CAST ALUMINUM ENCLOSURES

Diecast in aluminum alloy and resistant to atmospheric and marine corrosion, these enclosures are ideal for housing sensitive electronic assemblies and pneumatic, hydraulic and electrical devices in both commercial and industrial environments.

Style A: Includes wall mounting holes.
Style B: Does not have wall mounting holes.

- Designed to IP 65 of IEC 529, NEMA 4X, and UL508
- Cover incorporates a recessed neoprene gasket
- Internal bosses for mounting PCBs horizontally
- Internal guide slots for mounting PCB assemblies vertically



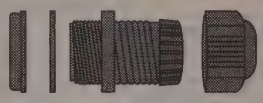
NEW FROM SUPPLIER

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Style	Dimensions (In.)			Price Each			
			D	W	H	1	10	100	250
Natural Finish									
563-AN-1300	AN-1300	B	3.54	1.42	1.18	5.80	4.85	4.35	3.90
563-AN-1301	AN-1301	A	2.52	2.28	1.38	6.00	5.00	4.50	4.00
563-AN-1302	AN-1302	A	4.53	2.56	1.18	8.70	7.25	6.55	5.80
563-AN-1303	AN-1303	A	4.53	2.56	2.17	10.60	8.85	7.95	7.10
563-AN-1304	AN-1304	A	4.53	3.54	2.17	12.40	10.35	9.30	8.30
563-AN-1305	AN-1305	B	5.83	4.25	2.95	22.20	18.50	16.65	14.80
563-AN-1306	AN-1306	B	6.73	4.76	2.17	22.60	18.85	16.95	15.10
563-AN-1307	AN-1307	A	8.82	5.83	2.17	23.80	19.85	17.85	15.90
563-AN-1308	AN-1308	A	8.82	5.83	3.25	29.70	24.80	22.30	19.85
563-AN-1309	AN-1309	A	4.75	4.75	4.00	26.50	22.15	19.95	17.70
563-AN-1310	AN-1310	A	6.25	6.25	4.00	29.70	24.80	22.30	19.85
563-AN-1311	AN-1311	A	1.97	1.77	1.18	5.80	4.85	4.35	3.90
563-AN-1312	AN-1312	A	3.86	2.52	1.34	8.60	7.15	6.45	5.70
563-AN-1313	AN-1313	A	4.92	3.15	1.57	11.60	9.65	8.70	7.70
563-AN-1314	AN-1314	A	4.92	3.15	2.24	13.90	11.60	10.45	9.30
563-AN-1315	AN-1315	A	5.91	2.48	1.42	13.00	10.85	9.75	8.70
563-AN-1316	AN-1316	A	6.30	3.94	2.36	22.70	18.90	17.00	15.10
563-AN-1317	AN-1317	A	6.30	3.94	3.19	25.30	21.10	19.00	16.90
Smooth Gray Finish									
563-AN-1300-G	AN-1300-G	B	3.54	1.42	1.18	10.10	8.40	7.55	6.70
563-AN-1301-G	AN-1301-G	A	2.52	2.28	1.38	10.50	8.75	7.90	7.00
563-AN-1302-G	AN-1302-G	A	4.53	2.56	1.18	14.10	11.75	10.60	9.40
563-AN-1303-G	AN-1303-G	A	4.53	2.56	2.17	16.50	13.75	12.40	11.00
563-AN-1304-G	AN-1304-G	A	4.53	3.54	2.17	19.80	16.50	14.85	13.20
563-AN-1305-G	AN-1305-G	B	5.83	4.25	2.95	31.80	26.50	23.85	21.20
563-AN-1306-G	AN-1306-G	B	6.73	4.76	2.17	32.20	26.85	24.15	21.50
563-AN-1307-G	AN-1307-G	A	8.82	5.83	2.17	34.60	28.85	25.95	23.10
563-AN-1308-G	AN-1308-G	A	8.82	5.83	3.25	43.40	36.15	32.55	28.90
563-AN-1309-G	AN-1309-G	A	4.75	4.75	4.00	34.80	29.00	26.10	23.20
563-AN-1310-G	AN-1310-G	A	6.25	6.25	4.00	43.40	36.15	32.55	28.90
563-AN-1311-G	AN-1311-G	A	1.97	1.77	1.18	9.50	7.90	7.10	6.30
563-AN-1312-G	AN-1312-G	A	3.86	2.52	1.34	12.60	10.50	9.45	8.40
563-AN-1313-G	AN-1313-G	A	4.92	3.15	1.57	16.70	13.90	12.50	11.10
563-AN-1314-G	AN-1314-G	A	4.92	3.15	2.24	21.00	17.50	15.75	14.00
563-AN-1315-G	AN-1315-G	A	5.91	2.48	1.42	19.40	16.15	14.55	12.90
563-AN-1316-G	AN-1316-G	A	6.30	3.94	2.36	31.60	26.35	23.70	21.10
563-AN-1317-G	AN-1317-G	A	6.30	3.94	3.19	35.80	29.85	26.85	23.90

CABLE GLANDS

Required to maintain NEMA 4X rating when cables enter or exit a NEMA 4 or 4X type enclosure. Assembly consisting of black molded nylon body, hex nut, and cable nut and with a rubber gasket and cable seal. Nylon material has UL94V-2 flammability rating and -40C to 100C suggested service temperature.

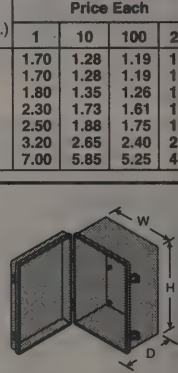


For quantities of 500 and up, call for q

MOUSER STOCK NO.	Bud Part No.	Mounting Size	Mounting Hole Dia. (In.)	Cable Range (In.)	Price Each			
					1	10	100	2
563-NG-9511	NG-9511	PG-7	0.50	.12-.26	1.70	1.28	1.19	1
563-NG-9512	NG-9512	PG-9	0.61	.16-.31	1.70	1.28	1.19	1
563-NG-9513	NG-9513	PG-11	0.73	.20-.39	1.80	1.35	1.26	1
563-NG-9514	NG-9514	PG-13.5	0.81	.24-.47	2.30	1.73	1.61	1
563-NG-9515	NG-9515	PG-16	0.89	.39-.55	2.50	1.88	1.75	1
563-NG-9516	NG-9516	PG-21	1.12	.51-.71	3.20	2.65	2.40	2
563-NG-9517	NG-9517	PG-29	1.47	.71-.98	7.00	5.85	5.25	4

UL/NEMA/IEC ENCLOSURES

These gasketed enclosures meet NEMA 4X, IEC529, IP65, and UL-508-4X specifications which allows them to be used in many wet, dirty and/or corrosive environments. *ABS/PC blended plastic with UL94-5VB flammability rating. Suggested service temperature range -40C to +70C. *Clear doors are polycarbonate with UL94-5VA flammability rating. Outdoor UV stabilized versions available. Hardware and accessories are available. Please contact a service representative.



NBA Series

• Stainless steel hinges and latches

For quantities of 10 and up, call for q

MOUSER STOCK NO.	Bud Part No.	Door	Dimensions (In.)			Pri Ea
			D	W	H	
563-NBA-10142	NBA-10142	Solid	5.90	7.90	11.80	54
563-NBA-10162	NBA-10162	Clear	5.90	7.90	11.80	60
563-NBA-10144	NBA-10144	Solid	7.10	7.90	11.80	64
563-NBA-10164	NBA-10164	Clear	7.10	7.90	11.80	72
563-NBA-10148	NBA-10148	Solid	7.10	11.80	15.80	94
563-NBA-10168	NBA-10168	Clear	7.10	11.80	15.80	106

NBB Series

• Non-metallic hinges and latches

For quantities of 10 and up, call for q

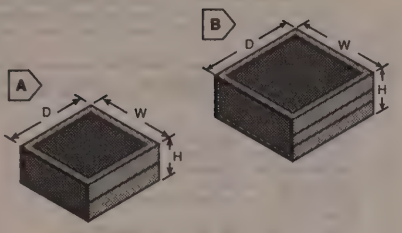
MOUSER STOCK NO.	Bud Part No.	Door	Dimensions (In.)			Pri Ea
			D	W	H	
563-NBB-10240	NBB-10240	Solid	3.50	5.90	5.90	18
563-NBB-10260	NBB-10260	Clear	3.50	5.90	5.90	22
563-NBB-10243	NBB-10243	Solid	5.50	7.50	11.40	39
563-NBB-10263	NBB-10263	Clear	5.50	7.50	11.40	45
563-NBB-10245	NBB-10245	Solid	7.10	11.80	11.80	54
563-NBB-10265	NBB-10265	Clear	7.10	11.80	11.80	63
563-NBB-10253	NBB-10253	Solid	7.85	14.64	19.17	95
563-NBB-10273	NBB-10273	Clear	7.85	14.64	19.17	103

BUD Plastic Enclosures

PLASTICASE™

UL94-HB flammability rating
Impact resistant polystyrene
Molded-in card guides and mounting bosses
Comes complete with stainless steel screws and rubber feet
Finish: Double-Textured PC Bone Gray

Contact a Mouser Service Representative for custom modification.



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Dimensions (In.) D	W	H	Panel Size (In.) H x W	Price Each 1	5	25	100
563-PC-11402	PC-11402	A	5.30	5.08	1.53	1.31 x 4.75	13.30	10.00	9.08	8.65
563-PC-11403	PC-11403	A	5.30	7.06	1.53	1.31 x 6.73	16.40	12.35	10.95	10.30
563-PC-11404	PC-11404	A	9.62	6.33	1.55	1.33 x 5.99	19.60	14.70	13.38	12.74
563-PC-11406	PC-11406	A	6.32	6.12	2.52	2.31 x 5.75	17.00	12.80	11.60	11.05
563-PC-11408	PC-11408	A	6.32	8.10	2.52	2.31 x 7.75	20.40	15.30	13.60	12.75
563-PC-11410	PC-11410	B	6.32	6.12	3.30	3.09 x 5.75	21.00	15.75	14.00	13.15
563-PC-11412	PC-11412	B	6.32	8.10	3.30	3.09 x 7.75	24.30	18.25	16.25	15.25
563-PC-11414	PC-11414	B	6.32	6.12	4.04	3.83 x 5.75	22.10	16.60	14.75	13.85
563-PC-11416	PC-11416	B	6.32	8.10	4.04	3.83 x 7.75	25.80	19.40	17.61	16.77
563-PC-11418	PC-11418	B	5.30	5.08	2.06	1.84 x 4.75	15.30	11.50	10.45	9.55
563-PC-11420	PC-11420	B	5.30	7.06	2.06	1.84 x 6.73	18.20	13.70	12.42	11.83

PI SERIES

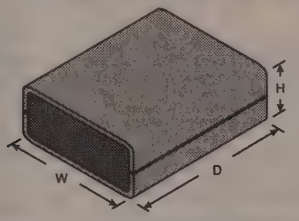
This line of molded enclosures is ideally suited for instrumentation and telecom equipment from hand held to desk top sizes. Available in twelve sizes and two versions.

Version #1 - Dark gray ABS covers with light gray ABS end panels. UL94V-0 flammability rating, suggested service temperature -40°C to 80°C.

Version #2 - Light gray ABS covers with dark gray ABS end panels. UL94-HB flammability rating, suggested service temperature -40°C to 80°C.

Design Features:

- Designed to IP 54 of IEC 529
- Two part design with tongue and groove joint between top and bottom covers and specially designed end panels.
- Internal guide slots provide for vertical mounting of PCBs.
- Internal bosses provided for horizontal mounting of PCBs.
- Top and bottom covers are lightly textured providing a scratch-resistant high quality finish.
- Four screws are countersunk in the bottom cover and threaded into internal bosses which secure the top cover and end panels. Contact a Mouser Service Representative for custom modifications.

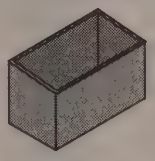


For quantities of 250 and up, call for quote.

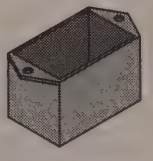
MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) D	W	H	Price Each 1	5	25	100
Version 1								
563-PI-1900	PI-1900	3.54	1.97	0.63	2.90	2.05	1.98	1.89
563-PI-1901	PI-1901	3.54	1.97	0.94	3.20	2.25	2.00	1.85
563-PI-1902	PI-1902	3.54	1.97	1.26	3.30	2.30	2.05	1.90
563-PI-1903	PI-1903	4.72	2.36	1.18	5.20	3.65	3.25	3.00
563-PI-1904	PI-1904	4.72	2.36	1.57	5.90	4.15	3.70	3.40
563-PI-1905	PI-1905	4.72	2.36	1.97	7.00	4.95	4.78	4.55
563-PI-1906	PI-1906	5.91	3.15	1.18	7.50	5.25	5.12	4.88
563-PI-1907	PI-1907	5.91	3.15	1.77	8.90	6.25	6.08	5.79
563-PI-1908	PI-1908	5.91	3.15	2.36	10.35	7.20	7.04	6.70
563-PI-1909	PI-1909	7.48	3.94	1.57	11.90	8.35	8.13	7.74
563-PI-1910	PI-1910	7.48	3.94	2.36	13.10	9.15	8.20	7.55
563-PI-1911	PI-1911	7.48	3.94	3.15	14.90	10.45	10.17	9.69
Version 2								
563-PI-1900-LG	PI-1900-LG	3.54	1.97	0.63	2.60	1.80	1.65	1.50
563-PI-1901-LG	PI-1901-LG	3.54	1.97	0.94	2.90	2.05	1.98	1.89
563-PI-1902-LG	PI-1902-LG	3.54	1.97	1.26	3.00	2.15	1.90	1.75
563-PI-1903-LG	PI-1903-LG	4.72	2.36	1.18	4.70	3.30	2.95	2.70
563-PI-1904-LG	PI-1904-LG	4.72	2.36	1.57	5.75	4.00	3.90	3.71
563-PI-1905-LG	PI-1905-LG	4.72	2.36	1.97	6.30	4.40	3.95	3.60
563-PI-1906-LG	PI-1906-LG	5.91	3.15	1.18	6.70	4.70	4.58	4.36
563-PI-1907-LG	PI-1907-LG	5.91	3.15	1.77	7.90	5.55	4.95	4.55
563-PI-1908-LG	PI-1908-LG	5.91	3.15	2.36	9.00	6.30	5.65	5.20
563-PI-1909-LG	PI-1909-LG	7.48	3.94	1.57	10.10	7.05	6.90	6.57
563-PI-1910-LG	PI-1910-LG	7.48	3.94	2.36	11.40	8.00	7.78	7.41
563-PI-1911-LG	PI-1911-LG	7.48	3.94	3.15	13.10	9.05	8.05	7.40

POTTING BOXES AND COVERS

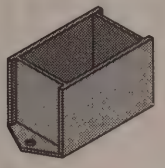
Available in 3 styles and a variety of sizes, these low cost enclosures are made of tough, lightweight ABS thermoplastic. Flammability rating: UL94V-0. Suggested service temperature -20C to +70C. Optional close-fitting covers are available in all sizes.



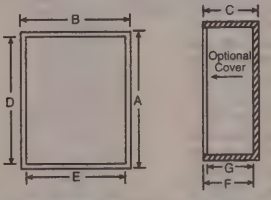
Style "A" No Flange



Style "B" Top Flange



Style "C" Bottom Flange



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions (In.) A	B	C	D	E	F	G	Price Each 1	10	100	500
Style A												
563-PB-1558	PB-1558	2.00	1.50	1.00	1.86	1.36	0.93	0.84	1.28	1.16	.92	.88
563-PB-1559	PB-1559	3.00	2.00	1.50	2.86	1.86	1.43	1.34	1.86	1.69	1.33	1.27
563-PB-1575	PB-1575	3.00	2.00	0.90	2.86	1.86	0.83	0.76	1.55	1.41	1.11	1.06
563-PB-1576	PB-1576	3.00	3.00	1.50	2.86	2.86	1.41	1.36	2.01	1.83	1.45	1.38
563-PB-1577	PB-1577	1.00	1.00	0.75	0.88	0.88	0.69	0.61	.75	.68	.54	.51
563-PB-1578	PB-1578	4.00	2.12	2.00	3.86	1.98	1.93	1.86	2.67	2.43	1.92	1.83
563-PB-1579	PB-1579	1.50	1.25	0.80	1.36	1.11	0.73	0.66	1.11	1.01	.75	.71
563-PB-1580	PB-1580	4.00	1.75	1.00	3.86	1.61	0.93	0.86	1.75	1.59	1.18	1.12
563-PB-1581	PB-1581	2.09	1.25	0.44	1.95	1.11	0.37	0.30	.98	.89	.70	.67
563-PB-1582	PB-1582	4.00	2.12	0.90	3.86	1.98	0.83	0.76	3.38	3.07	2.43	2.31
563-PB-1583	PB-1583	4.37	3.12	2.00	4.17	2.92	1.90	1.79	4.28	3.89	3.07	2.92
Style B												
563-PB-1558-TF	PB-1558-TF	2.00	1.50	1.00	1.86	1.36	0.93	0.84	1.40	1.27	1.01	.96
563-PB-1559-TF	PB-1559-TF	3.00	2.00	1.50	2.86	1.86	1.43	1.34	2.00	1.82	1.44	1.37
563-PB-1574-TF	PB-1574-TF	2.00	2.00	1.50	1.86	1.86	1.43	1.34	1.58	1.44	1.13	1.08
563-PB-1575-TF	PB-1575-TF	3.00	2.00	0.90	2.86	1.86	0.83	0.76	1.55	1.41	1.11	1.06
563-PB-1576-TF	PB-1576-TF	3.00	3.00	1.50	2.86	2.86	1.41	1.36	2.01	1.83	1.45	1.38
563-PB-1577-TF	PB-1577-TF	1.00	1.00	0.75	0.88	0.88	0.69	0.61	.75	.68	.54	.51
563-PB-1578-TF	PB-1578-TF	4.00	2.12	2.00	3.86	1.98	1.93	1.86	2.67	2.43	1.92	1.83
563-PB-1579-TF	PB-1579-TF	1.50	1.25	0.80	1.36	1.11	0.73	0.66	1.11	1.01	.75	.71
563-PB-1580-TF	PB-1580-TF	4.00	1.75	1.00	3.86	1.61	0.93	0.86	1.75	1.59	1.18	1.12
563-PB-1581-TF	PB-1581-TF	2.09	1.25	0.44	1.95	1.11	0.37	0.30	.98	.89	.70	.67
563-PB-1582-TF	PB-1582-TF	4.00	2.12	0.90	3.86	1.98	0.83	0.76	3.38	3.07	2.43	2.31
563-PB-1583-TF	PB-1583-TF	4.37	3.12	2.00	4.17	2.92	1.90	1.79	4.28	3.89	3.07	2.92
Style C												
563-PB-1549-BF	PB-1549-BF	3.03	3.03	0.80	2.89	2.89	0.72	0.63	3.10	2.82	2.23	2.12
563-PB-1553-BF	PB-1553-BF	3.00	2.00	0.50	2.85	1.85	0.44	0.34	2.22	2.02	1.60	1.52
563-PB-1554-BF	PB-1554-BF	3.00	2.00	1.00	2.85	1.85	0.93	0.84	2.22	2.02	1.60	1.52
563-PB-1558-BF	PB-1558-BF	2.00	1.50	1.00	1.86	1.36	0.93	0.84	1.40	1.27	1.01	.96
563-PB-1559-BF	PB-1559-BF	3.00	2.00	1.50	2.86	1.86	1.43	1.34	2.00	1.82	1.44	1.37
563-PB-1574-BF	PB-1574-BF	2.00	2.00	1.50	1.90	1.90	1.43	1.34	2.22	2.02	1.60	1.52
563-PB-1576-BF	PB-1576-BF	3.00	3.00	1.50	2.90	2.90	1.41	1.32	3.38	3.07	2.43	2.31
563-PB-1577-BF	PB-1577-BF	1.00	1.00	0.75	0.91	0.91	0.69	0.61	1.16	1.05	.83	.79

MOUSER STOCK NO.	Bud Part No.	Price Each 1	10	100	500
Cover					
563-PBC-1558-CN	PBC-1558-CN	.74	.67	.54	.51
563-PBC-1575-C	PBC-1575-C	.84	.76	.60	.57
563-PBC-1575-C	PBC-1575-C	.84	.76	.60	.57
563-PBC-1576-C	PBC-1576-C	1.09	.99	.79	.75
563-PBC-1577-C	PBC-1577-C	.44	.40	.32	.30
563-PBC-1578-C	PBC-1578-C	1.09	.99	.79	.75
563-PBC-1579-C	PBC-1579-C	.65	.59	.44	.42
563-PBC-1580-C	PBC-1580-C	.83	.75	.56	.53
563-PBC-1581-C	PBC-1581-C	.61	.55	.44	.42
563-PBC-1578-C	PBC-1578-C	1.09	.99	.79	.75
563-PBC-1583-C	PBC-1583-C	2.12	1.93	1.52	1.45
Cover					
563-PBC-1558-CN	PBC-1558-CN	.74	.67	.54	.51
563-PBC-1575-C	PBC-1575-C	.84	.76	.60	.57
563-PBC-1574-C	PBC-1574-C	.80	.73	.58	.55
563-PBC-1575-C	PBC-1575-C	.84	.76	.60	.57
563-PBC-1576-C	PBC-1576-C	1.09	.99	.79	.75
563-PBC-1577-C	PBC-1577-C	.44	.40	.32	.30
563-PBC-1578-C	PBC-1578-C	1.09	.99	.79	.75
563-PBC-1579-C	PBC-1579-C	.65	.59	.44	.42
563-PBC-1580-C	PBC-1580-C	.83	.75	.56	.53
563-PBC-1581-C	PBC-1581-C	.61	.55	.44	.42
563-PBC-1578-C	PBC-1578-C	1.09	.99	.79	.75
563-PBC-1583-C	PBC-1583-C	2.12	1.93	1.52	1.45
Cover					
563-PBC-1576-CN	PBC-1576-CN	1.53	1.39	1.10	1.05
563-PBC-1559-C	PBC-1559-C	.86	.78	.62	.59
563-PBC-1559-C	PBC-1559-C	.86	.78	.62	.59
563-PBC-1558-C	PBC-1558-C	.74	.67	.54	.51
563-PBC-1559-C	PBC-1559-C	.86	.78	.62	.59
563-PBC-1574-CN	PBC-1574-CN	.96	.87	.69	.66
563-PBC-1576-CN	PBC-1576-CN	1.53	1.39	1.10	1.05
563-PBC-1577-CN	PBC-1577-CN	.56	.51	.41	.39

HAMMOND Watertight Enclosures

HAMMOND MANUFACTURING

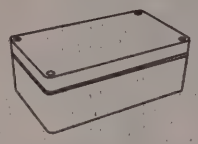
Common Specifications:

- Ideally suited for mounting printed circuit boards or DIN rail mounted components.
- Color is light gray (RAL 7035).
- Gasketed lid with two piece "tongue & groove" construction provides protection against access of oil, dust, and water.
- Gasket is factory poured using high temperature U.L. listed - silicon gasket material.
- Designed to meet IP 66 & NEMA 4, 4X, 12 & 13 ratings.
- Lid is secured with self captivating - M4 stainless steel machine screws (included), threaded into integral stainless steel bushings (for repetitive assembly & disassembly).
- All stainless steel hardware to avoid corrosion caused by dissimilar metals.

WATERTIGHT POLYCARBONATE ENCLOSURES WITH FLAT LID

Specifications:

- Material - Polycarbonate (material carries a UL flammability rating of UL94 5V.
- Recommended for outdoor use.
- Internal DIN rail mounting tabs - molded in all - except 1554C2GY.
- Vertical P.C. card guides (for 1.5 mm thick P.C. boards) are molded in all but the smallest size enclosure (1554B2GY).



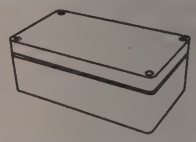
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions (In)			Price Each		
		L	W	H	1	10	100
546-1554B2GY	1554B2GY	2.6	2.6	1.6	7.24	6.15	5.43
546-1554C2GY	1554C2GY	4.7	2.6	1.6	10.16	8.64	7.62
546-1554D2GY	1554D2GY	4.7	2.6	2.4	10.96	9.32	8.22
546-1554E2GY	1554E2GY	3.5	3.5	2.4	11.16	9.49	8.37
546-1554F2GY	1554F2GY	4.7	3.5	2.4	12.66	10.76	9.50
546-1554G2GY	1554G2GY	4.7	3.5	3.2	14.78	12.56	11.09
546-1554J2GY	1554J2GY	6.3	3.5	2.4	15.28	12.99	11.46
546-1554K2GY	1554K2GY	6.3	3.5	3.5	16.38	13.92	12.29
546-1554N2GY	1554N2GY	4.7	4.7	2.4	14.16	12.04	10.62
546-1554P2GY	1554P2GY	4.7	4.7	3.5	18.10	15.39	13.58
546-1554H2GY	1554H2GY	7.1	4.7	2.4	17.80	15.13	13.35
546-1554R2GY	1554R2GY	6.3	6.3	2.4	23.22	19.74	17.42
546-1554S2GY	1554S2GY	6.3	6.3	3.5	21.16	17.99	15.87

WATERTIGHT ABS PLASTIC ENCLOSURES WITH FLAT LI

Specifications:

- Material: General purpose ABS plastic (material carries a UL flammability rating of UL94 HB).
- Not recommended for outdoor use (please see the polycarbonate 1554 series).
- Internal DIN rail mounting tabs - molded in all - except 1554CGY.
- Vertical P.C. card guides (for 1.5 mm thick P.C. boards) are molded in all but the smallest size enclosure (1554BGY).



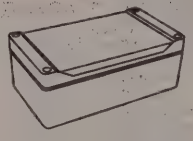
For quantities of 250 and up, call for q

MOUSER STOCK NO.	Hammond Part No.	Dimensions (In)			Price Each		
		L	W	H	1	10	10
546-1554BGY	1554BGY	2.6	2.6	1.6	6.40	5.44	4.
546-1554CGY	1554CGY	4.7	2.6	1.6	7.04	5.98	5.
546-1554DGY	1554DGY	4.7	2.6	2.4	7.14	6.07	5.
546-1554EGY	1554EGY	3.5	3.5	2.4	7.94	6.75	5.
546-1554FGY	1554FGY	4.7	3.5	2.4	9.66	8.21	7.
546-1554GGY	1554GGY	4.7	3.5	3.2	9.96	8.47	7.
546-1554JGY	1554JGY	6.3	3.5	2.4	11.66	9.91	8.
546-1554KGY	1554KGY	6.3	3.5	3.5	12.88	10.95	9.
546-1554NGY	1554NGY	4.7	4.7	2.4	12.06	10.25	9.
546-1554PGY	1554PGY	4.7	4.7	3.5	12.88	10.95	9.
546-1554HGY	1554HGY	7.1	4.7	2.4	13.28	11.29	9.
546-1554TGY	1554TGY	7.1	4.7	3.5	13.40	11.39	10.
546-1554RGY	1554RGY	6.3	6.3	2.4	17.50	14.88	13.

WATERTIGHT POLYCARBONATE ENCLOSURES WITH "STYLED" LID

Specifications:

- "Styled" lid version has three main advantages over the flat lid (1554 series): Smooth recessed surface on lid for a membrane keypad or label; standoffs molded in the interior of the lid (except for 1555BGY); more modern "styled" look vs. our traditonal flat lid (1554 series)
- Material - Polycarbonate (material carries a UL flammability rating of UL94 5V).
- Recommended for outdoor use.
- Internal DIN rail mounting tabs - molded in all - except 1555C2GY.
- Vertical P.C. card guides (for 1.5 mm thick P.C. boards) are molded in all but the smallest size enclosure (1555B2GY).



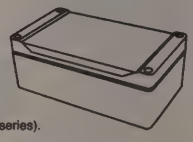
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions (In)			Price Each		
		L	W	H	1	10	100
546-1555B2GY	1555B2GY	2.6	2.6	1.6	7.24	6.15	5.43
546-1555C2GY	1555C2GY	4.7	2.6	1.6	10.16	8.64	7.62
546-1555D2GY	1555D2GY	4.7	2.6	2.4	10.96	9.32	8.22
546-1555E2GY	1555E2GY	3.5	3.5	2.4	11.16	9.49	8.37
546-1555F2GY	1555F2GY	4.7	3.5	2.4	12.66	10.76	9.50
546-1555G2GY	1555G2GY	4.7	3.5	3.2	14.78	12.56	11.09
546-1555J2GY	1555J2GY	6.3	3.5	2.4	15.28	12.99	11.46
546-1555K2GY	1555K2GY	6.3	3.5	3.5	16.38	13.92	12.29
546-1555N2GY	1555N2GY	4.7	4.7	2.4	14.16	12.04	10.62
546-1555P2GY	1555P2GY	4.7	4.7	3.5	18.10	15.39	13.58
546-1555H2GY	1555H2GY	7.1	4.7	2.4	17.80	15.13	13.35
546-1555T2GY	1555T2GY	7.1	4.7	3.5	19.30	16.41	14.48
546-1555R2GY	1555R2GY	6.3	6.3	2.4	23.22	19.74	17.42
546-1555S2GY	1555S2GY	6.3	6.3	3.5	21.16	17.99	15.87

WATERTIGHT ABS PLASTIC ENCLOSURES WITH "STYLED" LID

Specifications:

- "Styled" lid version has three main advantages over the flat lid (1554 series): Smooth recessed surface on lid for a membrane keypad or label; standoffs molded in the interior of the lid (except for 1555BGY) - designed for #6 self tapping screws; and more modern "styled" look vs. our traditonal flat lid (1554 series)
- Material - General purpose ABS plastic (material carries a UL flammability rating of UL94 HB).
- Not recommended for outdoor use (please see the polycarbonate 1555 series).
- Internal DIN rail mounting tabs - molded in all - except 1555CGY.
- Vertical P.C. card guides (for 1.5 mm thick P.C. boards) are molded in all but the smallest size enclosure (1555BGY)



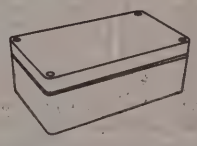
For quantities of 250 and up, call for q

MOUSER STOCK NO.	Hammond Part No.	Dimensions (In)			Price Each		
		L	W	H	1	10	1
546-1555BGY	1555BGY	2.6	2.6	1.6	6.40	5.44	4.
546-1555CGY	1555CGY	4.7	2.6	1.6	7.04	5.98	5.
546-1555DGY	1555DGY	4.7	2.6	2.4	7.14	6.07	5.
546-1555EGY	1555EGY	3.5	3.5	2.4	7.94	6.75	5.
546-1555FGY	1555FGY	4.7	3.5	2.4	9.66	8.21	7.
546-1555GGY	1555GGY	4.7	3.5	3.2	9.96	8.47	7.
546-1555JGY	1555JGY	6.3	3.5	2.4	11.66	9.91	8.
546-1555KGY	1555KGY	6.3	3.5	3.5	12.88	10.95	9.
546-1555NGY	1555NGY	4.7	4.7	2.4	12.06	10.25	9.
546-1555PGY	1555PGY	4.7	4.7	3.5	12.88	10.95	9.
546-1555HGY	1555HGY	7.1	4.7	2.4	13.28	11.29	9.
546-1555TGY	1555TGY	6.3	6.3	2.4	13.40	11.39	10.
546-1555RGY	1555RGY	6.3	6.3	3.5	17.50	14.88	13.
546-1555SGY	1555SGY	7.9	4.7	3.5	18.70	15.90	14.

WATERTIGHT POLYCARBONATE ENCLOSURES WITH CLEAR LID

Specifications:

- Clear polycarbonate lid allows for maximum visability of protected internal components.
- Material - Polycarbonate (material carries a UL flammability rating of UL94 5V).
- Recommended for outdoor use.
- Internal DIN rail mounting tabs - molded in all - except 1554C2GYCL.
- Vertical P.C. card guides (for 1.5 mm thick P.C. boards) are molded in all but the smallest size enclosure (1554B2GYCL).



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions (In)			Price Each		
		L	W	H	1	10	100
546-1554B2GYCL	1554B2GYCL	2.6	2.6	1.6	7.54	6.41	5.66
546-1554C2GYCL	1554C2GYCL	4.7	2.6	1.6	10.46	8.89	7.85
546-1554D2GYCL	1554D2GYCL	4.7	2.6	2.4	11.26	9.57	8.45
546-1554E2GYCL	1554E2GYCL	3.5	3.5	2.4	11.36	9.66	8.52
546-1554F2GYCL	1554F2GYCL	4.7	3.5	2.4	13.08	11.12	9.81
546-1554G2GYCL	1554G2GYCL	4.7	3.5	3.2	14.78	12.56	11.09
546-1554J2GYCL	1554J2GYCL	6.3	3.5	2.4	15.58	13.24	11.69
546-1554K2GYCL	1554K2GYCL	6.3	3.5	3.5	16.68	14.18	12.51
546-1554N2GYCL	1554N2GYCL	4.7	4.7	2.4	16.68	14.18	12.51
546-1554P2GYCL	1554P2GYCL	4.7	4.7	3.5	18.10	15.39	13.58
546-1554H2GYCL	1554H2GYCL	7.1	4.7	2.4	16.60	14.11	12.45
546-1554R2GYCL	1554R2GYCL	6.3	6.3	2.4	23.22	19.74	17.42
546-1554S2GYCL	1554S2GYCL	6.3	6.3	3.5	24.94	21.20	18.71
546-1554U2GYCL	1554U2GYCL	7.9	4.7	3.5	23.62	20.08	17.72

PANELS FOR WATERTIGHT ENCLOSURES

Specifications:

- Heavy duty panels for mounting components.
- Galvanized 14 ga. steel.
- Includes mounting hardware for enclosure body (lid mounting of panel requires optional #6 self tapping screws).

For quantities of 250 and up, call for q

MOUSER STOCK NO.	Hammond Part No.	Use With Series Size:	Dimensions (In)		Price Each		
			L	H	1	10	1
546-1554BPL	1554BPL	B	2.2	2.2	3.82	3.25	2.
546-1554CPL	1554CPL	C & D	4.4	2.1	4.44	3.77	3.
546-1554EPL	1554EPL	E	3.1	3.1	4.74	4.03	3.
546-1554FPL	1554FPL	F & G	4.3	3.1	4.72	4.01	3.
546-1554HPL	1554HPL	H & T	6.6	4.2	5.80	4.93	4.
546-1554JPL	1554JPL	J & K	5.8	3.0	5.22	4.44	3.
546-1554NPL	1554NPL	N & P	4.24	4.2	5.10	4.34	3.
546-1554RPL	1554RPL	R & S	5.94	5.8	6.52	5.54	4.
546-1554UPL	1554UPL	U	7.6	4.2	6.12	5.20	4.
546-1554VPL	1554VPL	V	9.1	5.7	7.84	6.66	5.

MOUSER ELECTRONICS a tti company (800) 346-6873

HAMMOND Plastic Enclosures

HAMMOND MANUFACTURING - DIMENSIONS (IN.)

HAMMOND MINIATURE HAND HELD PLASTIC ENCLOSURES

- Ideally suited for mounting small printed circuit boards or as potting boxes
- Designed to meet IP54

Replace the __ with BK for Black or GY for Gray

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	100	250
Without Key Ring Kit									
546-1551N__	1551N__	A	1.38	1.38	0.59	1.40	1.16	1.05	.98
546-1551M__	1551M__	A	1.38	1.38	0.79	1.44	1.19	1.08	1.01
546-1551Q__	1551Q__	A	1.58	1.58	0.59	1.48	1.22	1.11	1.04
546-1551P__	1551P__	A	1.58	1.58	0.79	1.52	1.25	1.14	1.06
546-1551F__	1551F__	A	1.97	1.38	0.59	1.56	1.29	1.17	1.09
546-1551G__	1551G__	A	1.97	1.38	0.79	1.04	.86	.78	.73
546-1551S__	1551S__	A	1.97	1.97	0.59	1.64	1.35	1.23	1.15
546-1551R__	1551R__	A	1.97	1.97	0.79	1.68	1.39	1.26	1.18
546-1551J__	1551J__	A	2.36	1.38	0.59	1.72	1.42	1.29	1.20
546-1551H__	1551H__	A	2.36	1.38	0.79	1.18	.97	.89	.83
546-1551L__	1551L__	A	3.15	1.58	0.59	1.80	1.49	1.35	1.26
546-1551K__	1551K__	A	3.15	1.58	0.79	1.24	1.02	.93	.87
With Key Ring Kit									
546-1551GR__	1551GR__	A	1.97	1.38	.67	2.02	1.68	1.55	1.44
546-1551HR__	1551HR__	A	2.36	1.38	.67	2.08	1.73	1.60	1.48
546-1551KR__	1551KR__	A	3.15	1.57	.67	2.19	1.82	1.68	1.56

HAMMOND MINIATURE FLANGED LID PLASTIC ENCLOSURES

- Ideally suited for mounting small printed circuit boards or as potting boxes
- Flanged lid is perfect for wall or shelf mounting or suspending with a tie wrap
- Designed to meet IP54

Replace the __ with BK for Black or GY for Gray

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	100	250
546-1551NFL__	1551NFL__	B	1.38	1.38	0.59	1.40	1.16	1.05	.98
546-1551MFL__	1551MFL__	B	1.38	1.38	0.79	1.44	1.19	1.08	1.01
546-1551QFL__	1551QFL__	B	1.58	1.58	0.59	1.48	1.22	1.11	1.04
546-1551PFL__	1551PFL__	B	1.58	1.58	0.79	1.52	1.25	1.14	1.06
546-1551FFL__	1551FFL__	B	1.97	1.38	0.59	1.56	1.29	1.17	1.09
546-1551GFL__	1551GFL__	B	1.97	1.38	0.79	1.60	1.32	1.20	1.12
546-1551SFL__	1551SFL__	B	1.97	1.97	0.59	1.64	1.35	1.23	1.15
546-1551RFL__	1551RFL__	B	1.97	1.97	0.79	1.68	1.39	1.26	1.18
546-1551JFL__	1551JFL__	B	2.36	1.38	0.59	1.72	1.42	1.29	1.20
546-1551HFL__	1551HFL__	B	2.36	1.38	0.79	1.76	1.45	1.32	1.23
546-1551LFL__	1551LFL__	B	3.15	1.58	0.59	1.80	1.49	1.35	1.26
546-1551KFL__	1551KFL__	B	3.15	1.58	0.79	1.84	1.52	1.38	1.29

HAMMOND HEAVY DUTY THICK WALL RFI CONDUCTIVE PLASTIC ENCLOSURES

- Designed for EMI/RFI shielding applications
- Heavy duty, thick wall design with an average wall thickness of .13"
- Flammability rating: UL 94V-0
- Designed to meet IP54

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	100	250
546-1594RFIABK	1594RFIABK	C	2.17	2.17	1.10	10.80	8.91	8.10	7.56
546-1594RFIBBK	1594RFIBBK	C	3.15	2.17	1.10	11.70	9.65	8.78	8.19
546-1594RFICBK	1594RFICBK	C	4.13	2.56	1.30	14.52	11.98	10.89	10.16
546-1594RFIDBK	1594RFIDBK	C	5.12	2.56	1.70	18.08	14.92	13.56	12.66
546-1594RFIEBK	1594RFIEBK	C	6.50	4.13	2.09	25.76	21.25	19.32	18.03

HAMMOND RFI - HAND HELD CONDUCTIVE PLASTIC ENCLOSURES

- Designed for EMI/RFI shielding applications
- Flammability rating: UL 94V-0
- Designed to meet IP54

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	100	250
546-1599RFIBBK	1599RFIBBK	D	5.12	2.56	0.98	11.90	9.82	8.93	8.33
546-1599RFIEBK	1599RFIEBK	D	6.70	3.35	1.33	16.16	13.33	12.12	11.31
546-1599RFIHBK	1599RFIHBK	D	8.66	4.33	1.73	23.22	19.16	17.42	16.25
546-1599RFIKBK	1599RFIKBK	D	8.66	5.50	1.60	27.82	22.95	20.87	19.47

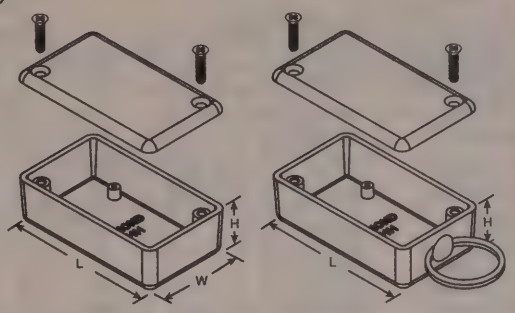
HAMMOND ABS PLASTIC - SOFT SIDED HAND HELD ENCLOSURES

- Over molded in general purpose ABS plastic with a soft grey plastic grip.
- Top cover is recessed for membrane display or keypad.

For quantities of 500 and up, call for quote.

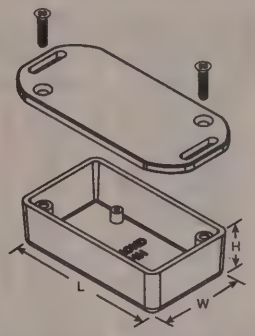
MOUSER STOCK NO.	Hammond Part No.	Fig.	Color	Battery Door	Dimensions (In.)			Price Each			
					L	W	H	1	10	100	250
546-1553BBK	1553BBK	E	Black	No	4.62	3.11	0.95	6.00	4.95	4.50	4.20
546-1553BGY	1553BGY	E	Gray	No	4.62	3.11	0.95	6.00	4.95	4.50	4.20
546-1553DBK	1553DBK	E	Black	No	5.80	3.50	0.98	6.46	5.33	4.85	4.52
546-1553DGY	1553DGY	E	Gray	No	5.80	3.50	0.98	6.46	5.33	4.85	4.52
546-1553BBKBAT	1553BBKBAT	E	Black	Yes	4.62	3.11	0.95	9.00	7.43	6.75	6.30
546-1553BGYBAT	1553BGYBAT	E	Gray	Yes	4.62	3.11	0.95	9.00	7.43	6.75	6.30
546-1553DBKBAT	1553DBKBAT	E	Black	Yes	5.80	3.50	0.98	9.90	8.17	7.43	6.93
546-1553DGYBAT	1553DGYBAT	E	Gray	Yes	5.80	3.50	0.98	9.90	8.17	7.43	6.93

A



With Key Ring Kit

B



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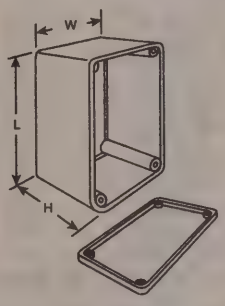

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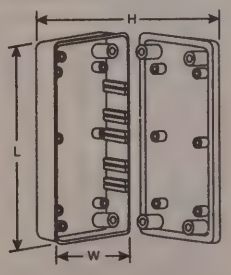

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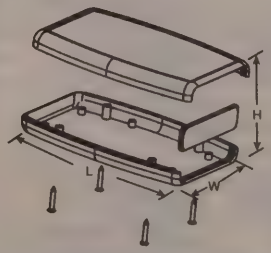


TRANSLUCENT POLYCARBONATE ENCLOSURES

- UL flammability rating: 94V-O
- Lid is secured with M3 x 10 mm Phillips machine screws, threaded into tapped integral brass bushings.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	100	250
Ice Blue									
546-1591ATBU	1591ATBU	A	3.90	2.00	.80	5.09	4.24	3.91	3.63
546-1591BTBU	1591BTBU	A	4.40	2.40	1.10	5.50	4.58	4.23	3.93
546-1591CTBU	1591CTBU	A	4.70	2.60	1.40	5.85	4.88	4.50	4.18
546-1591DTBU	1591DTBU	A	5.90	3.20	1.80	8.65	7.21	6.66	6.18
546-1591ETBU	1597ETBU	A	7.50	4.30	2.20	10.38	8.65	7.99	7.42
Infrared									
546-1591ATRD	1591ATRD	A	3.90	2.00	.80	5.09	4.24	3.91	3.63
546-1591BTRD	1591BTRD	A	4.40	2.40	1.10	5.50	4.58	4.23	3.93
546-1591CTRD	1591CTRD	A	4.70	2.60	1.40	5.85	4.88	4.50	4.18
546-1591DTRD	1591DTRD	A	5.90	3.20	1.80	8.65	7.21	6.66	6.18
546-1591ETRD	1591ETRD	A	7.50	4.30	2.20	10.38	8.65	7.99	7.42

ABS PLASTIC GENERAL PURPOSE ENCLOSURES

- UL flammability rating of 94V-0
- Comes with M3 x .5 x 10mm, Phillips machine screws, countersunk lid, and tapped integral brass bushings.

Replace the __ with **BK** for **Black**, **GY** for **Gray** or **BU** for **Blue**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	100	250
546-1591M-__	1591M-__	A	3.30	2.20	.80	4.33	3.61	3.33	3.09
546-1591L-__	1591L-__	A	3.30	2.20	1.40	5.46	4.55	4.20	3.90
546-1591A-__	1591A-__	A	3.90	2.00	.80	5.09	4.24	3.91	3.63
546-1591B-__	1591B-__	A	4.40	2.40	1.10	5.50	4.58	4.23	3.93
546-1591C-__	1591C-__	A	4.70	2.60	1.40	5.85	4.88	4.50	4.18
546-1591D-__	1591D-__	A	5.90	3.20	1.80	8.65	7.21	6.66	6.18
546-1591E-__	1591E-__	A	7.50	4.30	2.20	10.38	8.65	7.99	7.42
546-1591G-__	1591G-__	A	4.80	3.70	1.20	6.72	5.60	5.17	4.80
546-1591H-__	1591H-__	A	6.50	2.80	1.00	6.88	5.73	5.29	4.91
546-1591S-__	1591S-__	A	4.30	3.20	1.60	7.40	6.16	5.69	5.28
546-1591T-__	1591T-__	A	4.70	3.20	2.20	8.18	6.82	6.29	5.84
546-1591U-__	1591U-__	A	4.70	4.70	2.20	8.76	7.30	6.73	6.25
546-1591V-__	1591V-__	A	4.70	4.70	3.50	10.49	8.74	8.07	7.49

POLYSTYRENE GENERAL PURPOSE ENCLOSURES

- High impact polystyrene plastic
- Lid is secured with self-tapping #4x1/2" slotted screws.

For quantities of 500 and up, call for quote.

546-1591MS-BK	1591MS-BK	A	3.30	2.20	.80	4.41	3.67	3.39	3.15
546-1591LS-BK	1591LS-BK	A	3.30	2.20	1.40	3.32	2.77	2.55	2.37
546-1591AS-BK	1591AS-BK	A	3.90	2.00	.80	3.08	2.57	2.37	2.20
546-1591BS-BK	1591BS-BK	A	4.40	2.40	1.10	3.34	2.78	2.57	2.39
546-1591CS-BK	1591CS-BK	A	4.70	2.60	1.40	3.54	2.95	2.72	2.53
546-1591DS-BK	1591DS-BK	A	5.90	3.20	1.80	5.26	4.38	4.05	3.76
546-1591ES-BK	1591ES-BK	A	7.50	4.30	2.20	6.30	5.25	4.85	4.50
546-1591GS-BK	1591GS-BK	A	4.80	3.70	1.20	4.20	3.50	3.23	3.00
546-1591HS-BK	1591HS-BK	A	6.50	2.80	1.00	4.18	3.48	3.22	2.99
546-1591SS-BK	1591SS-BK	A	4.30	3.20	1.60	4.50	3.75	3.46	3.21
546-1591TS-BK	1591TS-BK	A	4.70	3.20	2.20	4.96	4.13	3.82	3.54
546-1591US-BK	1591US-BK	A	4.70	4.70	2.20	5.32	4.43	4.09	3.80
546-1591VS-BK	1591VS-BK	A	4.70	4.70	3.50	6.36	5.30	4.89	4.54

ABS PLASTIC FLANGED LID INSTRUMENT BOXES

- Lid is secured with M3 x 10 mm Phillips machine screws, threaded into tapped integral brass bushings.
- Molded in flame retardant ABS plastic with a UL flammability rating of 94V-O

Note: lid adds .16" to overall depth of case

Replace the __ with **BK** for **Black** or **GY** for **Gray**

For quantities of 500 and up, call for quote.

546-1591MFL__	1591MFL__	B	3.30	2.20	.80	4.41	3.67	3.39	3.15
546-1591LFL__	1591LFL__	B	3.30	2.20	1.40	5.57	4.64	4.28	3.98
546-1591AFL__	1591AFL__	B	3.90	2.00	.80	5.19	4.32	3.99	3.71
546-1591BFL__	1591BFL__	B	4.40	2.40	1.10	5.61	4.67	4.31	4.01
546-1591CFL__	1591CFL__	B	4.70	2.60	1.40	5.96	4.97	4.59	4.26
546-1591DFL__	1591DFL__	B	5.90	3.20	1.80	8.82	7.35	6.78	6.30
546-1591EFL__	1591EFL__	B	7.50	4.30	2.20	10.58	8.82	8.14	7.56
546-1591GFL__	1591GFL__	B	4.80	3.70	1.20	7.06	5.88	5.43	5.04
546-1591HFL__	1591HFL__	B	6.50	2.80	1.00	7.01	5.85	5.40	5.01
546-1591SFL__	1591SFL__	B	4.30	3.20	1.60	7.54	6.28	5.80	5.39
546-1591TFL__	1591TFL__	B	4.70	3.20	2.20	8.34	6.95	6.41	5.96
546-1591UFL__	1591UFL__	B	4.70	4.70	2.20	8.93	7.44	6.87	6.38
546-1591VFL__	1591VFL__	B	4.70	4.70	3.50	10.69	8.91	8.22	7.64

PC CARD ADAPTERS

PC adapters allow mounting of PC cards at right angles to the vertical slots molded into Hammond 1591 series plastic boxes and diecast cases 1590L through 1590R.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Quantity Per Package	Price Per Package			
				1	2	15	25
546-1591Z6	1591Z6	C	6.00	2.40	2.00	1.85	1.71

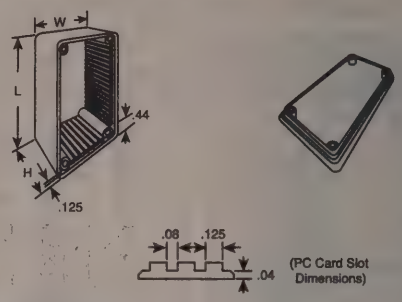
BELT OR POCKET CLIP

Nylon clip; includes 2 nylon screws and mounting template

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Color	Price Each			
				1	10	100	250
546-1599-CLIP	1599CLIP	D	Black	.95	.85	.75	.68
546-1599CLIPGY	1599CLIPGY	D	Gray	.95	.85	.75	.68

A

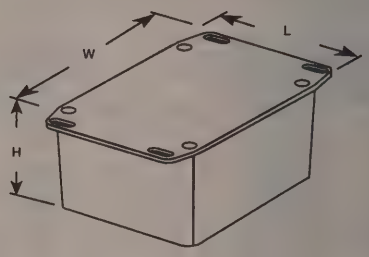


(PC Card Slot Dimensions)

- Two piece lap joint construction provides against dust accumulation and splashing water.
- Designed to meet IP54
- Card guides accept .062" PC cards
- 1591E has a removable center brace

Note: lid adds .16" to over all depth of case

B



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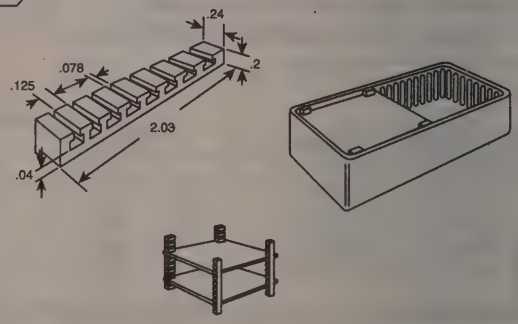
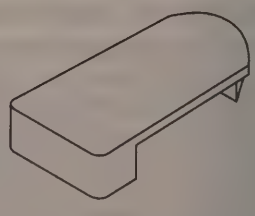


- Two piece lap joint construction provides protection against dust and splashing water.
- Designed to meet IP54
- Flanged lid is perfect for wall or shelf mounting and enclosure security. Lid also contains four molded-in PC board standoffs

D



MOUSER ELECTRONICS a tti company

ABS PLASTIC HANDHELD INSTRUMENT BOXES

- Recessed top for membrane display or pad
- Self tapping screws included

Replace the __ with **BK** for Black or **GY** for Gray

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions (In.) L	W	H	Price Each 1	10	100
546-1593K__	1593K__	A	2.60	2.60	1.10	2.10	1.75	1.62
546-1593D__	1593D__	A	4.50	1.40	1.00	3.32	2.76	2.55
546-1593X__	1593X__	A	5.50	2.60	1.10	3.90	3.25	3.00
546-1593J__	1593J__	B	2.60	2.60	1.10	2.10	1.75	1.62
546-1593S__	1593S__	C	3.60	2.60	0.83	2.80	2.33	2.15
546-1593P__	1593P__	C	3.60	2.60	1.10	3.00	2.50	2.31
546-1593T__	1593T__	C	4.40	2.60	0.83	3.18	2.65	2.45
546-1593Q__	1593Q__	C	4.40	2.60	1.10	3.38	2.81	2.60
546-1593Y__	1593Y__	C	5.50	2.60	1.10	3.90	3.25	3.00

INFRARED PANELS

MOUSER STOCK NO.	Hammond Part No.	Dimensions (In.)	Price Per Package 1	10	100	250
546-1593DIR10	1593DIR10	Fit 1593D - Pack of 10	3.90	3.25	3.00	2.79
546-1593PIR10	1593PIR10	Fits 1593 P, Q, Y, X, J & K Pack of 10	4.50	3.75	3.46	3.21
546-1593SIR10	1593SIR10	Fits 1593 S & T - Pack of 10	2.78	2.32	2.14	1.97

PLASTIC ELECTRONIC ENCLOSURES

- Matte textured black finish
- Also available in blue, gray, and beige.
- Contact a Mouser service representative for details

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions (In.) L	W	H	Price Each 1	10	100
546-1594A-BK	1594A-BK	D	2.17	2.17	1.10	6.30	5.25	4.85
546-1594B-BK	1594B-BK	D	3.15	2.17	1.10	6.59	5.49	5.07
546-1594C-BK	1594C-BK	D	4.13	2.56	1.30	8.10	6.75	6.23
546-1594D-BK	1594D-BK	D	5.12	2.56	1.70	9.63	8.03	7.41
546-1594E-BK	1594E-BK	D	6.50	4.13	2.09	11.86	9.89	9.13

PC CARD GUIDES

- Packed 25 sets per package, four guides to set.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fits Cases	Price Per Package 1	10	100	250
546-1594AZ25	1594AZ25	1594A-BK	6.09	5.07	4.68	4.35
546-1594BZ25	1594BZ25	1594B-BK	6.09	5.07	4.68	4.35
546-1594CZ25	1594CZ25	1594C-BK	6.09	5.07	4.68	4.35
546-1594DZ25	1594DZ25	1594D-BK	6.09	5.07	4.68	4.35
546-1594EZ25	1594EZ25	1594E-BK	6.09	5.07	4.68	4.35

HAND HELD CASES

High Impact Polystyrene Cases

- Countersunk lid is secured with four self tapping screws.
- Color: gray

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions (In.) L	W	H	Price Each 1	10	100
546-1599BS-GY	1599BS-GY	E	5.12	2.56	0.98	5.24	4.36	4.03
546-1599ES-GY	1599ES-GY	E	6.70	3.35	1.38	5.90	4.91	4.53
546-1599HS-GY	1599HS-GY	E	8.66	4.33	1.77	6.78	5.65	5.22
546-1599KS-GY	1599KS-GY	E	5.50	8.66	1.60	9.20	7.67	7.08

Medium Impact Flame Retardant ABS

- UL flammability rating of 94V-0 @ 1.47 mm thickness and a continuous use temperature rating of 60°C
- Includes four machine screws and brass bushings
- Color: Black

546-1599B-BK	1599B-BK	E	5.12	2.56	0.98	6.90	5.75	5.31
546-1599E-BK	1599E-BK	E	6.70	3.35	1.38	8.39	6.99	6.45
546-1599H-BK	1599H-BK	E	8.66	4.33	1.77	10.27	8.56	7.90
546-1599K-BK	1599K-BK	E	5.50	8.66	1.60	11.00	9.17	8.46

BATTERY DOOR ENCLOSURES

For quantities of 250 and up, call for quote.

Black ABS with Battery Door								
546-1599BBKBAT	1599BBKBAT	F	5.12	2.56	0.97	8.70	7.25	6.69
546-1599BBKBATCP	1599BBKBATCP	G	5.12	2.56	0.97	10.82	9.01	8.32
546-1599EBKBAT	1599EBKBAT	F	6.69	3.34	1.33	10.35	8.63	7.96
546-1599HBKBAT	1599HBKBAT	F	4.33	8.66	1.73	14.00	11.67	10.77
546-1599KBKBAT	1599KBKBAT	F	5.50	8.66	1.60	15.20	12.67	11.69
Gray ABS with Battery Door								
546-1599BGYBAT	1599BGYBAT	F	5.12	2.56	0.97	8.70	7.25	6.69
546-1599BGYBATCP	1599BGYBATCP	G	5.12	2.56	0.97	10.82	9.01	8.32
546-1599EGYBAT	1599EGYBAT	F	6.69	3.34	1.33	10.35	8.63	7.96
546-1599HGYBAT	1599HGYBAT	F	4.33	8.66	1.73	14.00	11.67	10.77
546-1599KGYBAT	1599KGYBAT	F	5.50	8.66	1.60	15.20	12.67	11.69
Gray Styrene with Battery Door								
546-1599BSGYBAT	1599BSGYBAT	F	5.12	2.56	0.97	6.65	5.54	5.11
546-1599ESGYBAT	1599ESGYBAT	F	6.69	3.34	1.33	7.68	6.40	5.91
546-1599HSGYBAT	1599HSGYBAT	F	4.33	8.66	1.73	11.60	9.67	8.92
546-1599KSGYBAT	1599KSGYBAT	F	5.50	8.66	1.60	12.50	10.42	9.62

BATTERY HOLDER KITS

- Designed for 1599B and 1599E Series battery door enclosures
- Includes all the parts required to install the battery or batteries.
- Includes the battery holder, wires, divider, and foam anti-rattle pad.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Batt. Holder Kit For:	Fits Battery Door Enclosure Size:	Price Each 1	10	100	250
546-BH1AAWKIT	BH1AAWKIT	1 AA Cell	1599B and 1599E Series	.96	.80	.71	.64
546-BH2AAWKIT	BH2AAWKIT	2 AA Cells	1599B and 1599E Series	.96	.80	.71	.64
546-BH1AAAWKIT	BH1AAAWKIT	1 AAA Cell	1599B and 1599E Series	.87	.72	.65	.58
546-BH2AAAWKIT	BH2AAAWKIT	2 AAA Cells	1599B and 1599E Series	1.07	.89	.80	.71
546-BH3AAAWKIT	BH3AAAWKIT	3 AAA Cells	1599E size only	1.55	1.29	1.15	1.03
546-BH4AAAWKIT	BH4AAAWKIT	4 AAA Cells	1599E size only	1.84	1.53	1.37	1.23
546-BS61KIT	BS61KIT	1-9V Cell	1599B and 1599E Series	.73	.61	.54	.48

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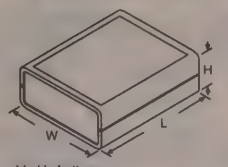
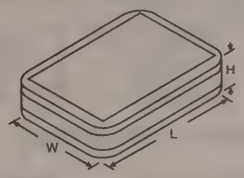


Version A

- Four P.C. card standoffs molded in bottom
- Removable front and rear panels for easy modification-sized to accept most popular connectors.
- 2 piece lap joint construction

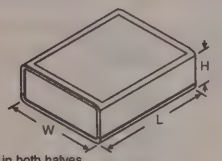
B



Version B

- Four PC card standoffs molded in both halves
- 2 piece lap joint construction

C



Version C

- 4 PC card standoffs molded in both halves
- 4 PC card guides molded in battery compartment
- Removable front and rear panels for easy modification-sized to accept most popular connectors.
- 2 piece lap joint construction

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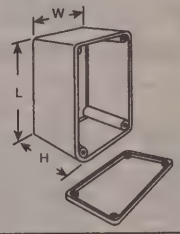
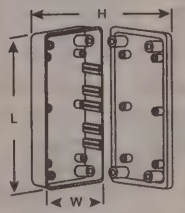


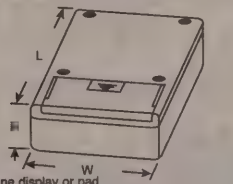
- Heavy duty thermoplastic
- Comes with M3x.5x20mm countersunk
- Phillips machine screws which fasten into integral brass bushings
- Average wall thickness: .125"
- Lid adds .47" to total height
- Designed to meet IP54
- UL flammability rating of 94V-O

E



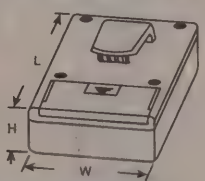
- Two key hole knockouts are molded into the inside of the base to facilitate wall mounting installation.
- Six PC card mounting bosses are molded into the top and base
- Designed to meet IP54

F



- Recessed top panel for membrane display or pad
- PC card standoffs and vertical card guides are molded in.
- Flame retardant ABS version includes four machine screws (styrene are self tapping) and wear resistant brass bushing

G



Includes belt clip

- Recessed top panel for membrane display or pad
- PC card standoffs and vertical card guides are molded in.
- Flame retardant ABS version includes four machine screws (styrene are self tapping) and wear resistant brass bushing

SLOPING STYRENE CONSOLES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)				Price Each			
			L	W	H	D	1	10	100	250
546-1599ESTSGY	1599ESTSGY	A	3.35	6.70	1.33	.72	10.30	8.58	7.92	7.36
546-1599HSTSGY	1599HSTSGY	A	4.33	8.66	1.73	.75	13.39	11.16	10.30	9.56
546-1599KSTSGY	1599KSTSGY	A	5.51	8.66	1.60	.67	12.36	10.30	9.51	8.83
546-1599KSTLGY	1599KSTLGY	A	8.66	5.51	1.60	.71	12.36	10.30	9.51	8.83
546-1599KSTLGYBAT	1599KSTLGYBAT	A	8.66	5.51	1.60	.71	15.45	12.88	11.88	11.04

PLASTIC DESKTOP CONSOLES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)				Color	Price Each			
			L	W	H	A		1	10	100	250
546-1595C-GY	1595C-GY	B	6.30	3.80	1.54	2.30	Gray	10.05	8.38	7.50	6.70
546-1595C-BK	1595C-BK	B	6.30	3.80	1.54	2.30	Black	10.05	8.38	7.50	6.70
546-1595E-GY	1595E-GY	B	8.50	5.10	1.85	2.90	Gray	12.45	10.38	9.29	8.30
546-1595E-BK	1595E-BK	B	8.50	5.10	1.85	2.90	Black	12.45	10.38	9.29	8.30

ABS INSTRUMENT ENCLOSURES

- Two piece tongue and groove construction
- UL flammability rating of 94V-0
- Front/rear panels: .064" thick brushed alum.
- Integral horizontal PC card mounts on Eurocard centers
- Color: Matte textured black
- Comes w/M3 x .5 x 10mm Phillips machine screws that fasten into tapped integral brass bushings
- Two sets of vertical .062" PC board guides provided front /rear

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	100	250
546-1598A-BK	1598A-BK	C	6.18	3.70	1.42	9.73	8.11	7.49	6.95
546-1598B-BK	1598B-BK	C	5.28	5.31	1.96	10.67	8.89	8.21	7.62
546-1598BB-BK	1598BB-BK	C	7.05	6.06	1.42	10.83	9.03	8.33	7.74
546-1598C-BK	1598C-BK	C	7.09	6.10	2.04	13.35	11.13	10.27	9.54
546-1598D-BK	1598D-BK	C	7.09	8.11	2.52	16.31	13.59	12.54	11.65
546-1598E-BK	1598E-BK	C	6.30	6.30	3.38	16.03	13.36	12.33	11.45
546-1598F-BK	1598F-BK	C	9.84	6.30	1.58	17.13	14.27	13.18	12.24
546-1598G-BK	1598G-BK	C	9.84	6.30	3.00	20.09	16.74	15.45	14.35
546-1598H-BK	1598H-BK	C	11.02	7.87	1.58	21.07	17.56	16.21	15.05
546-1598J-BK	1598J-BK	C	11.02	7.87	3.00	26.11	21.76	20.09	18.65

POLYSTYRENE INSTRUMENT ENCLOSURES

- Molded in PC card standoffs and vertical card guides
- Designed to meet IP54
- Positive fit, tongue & groove construction requires only 2 mounting screws
- Available in gray styrene plastic with black ABS plastic end panels
- Easy access to interior via shell type construction

546-1598ASGYPBK	1598ASGYPBK	C	6.18	3.70	1.42	6.78	5.65	5.22	4.84
546-1598BSGYPBK	1598BSGYPBK	C	5.28	5.31	1.96	7.61	6.34	5.85	5.43
546-1598BBSGYPBK	1598BBSGYPBK	C	7.05	6.06	1.42	8.64	7.20	6.65	6.17
546-1598CSGYPBK	1598CSGYPBK	C	7.09	6.10	2.04	8.93	7.44	6.87	6.38
546-1598DSGYPBK	1598DSGYPBK	C	7.09	8.11	2.52	10.68	8.90	8.22	7.63
546-1598ESGYPBK	1598ESGYPBK	C	6.30	6.30	3.38	10.64	8.86	8.18	7.60
546-1598FSGYPBK	1598FSGYPBK	C	9.84	6.30	1.58	10.40	8.66	8.00	7.42
546-1598GSGYPBK	1598GSGYPBK	C	9.84	6.30	3.00	12.20	10.16	9.38	8.71
546-1598HSGYPBK	1598HSGYPBK	C	11.02	7.87	1.58	12.20	10.16	9.38	8.71
546-1598JSGYPBK	1598JSGYPBK	C	11.02	7.87	3.00	14.20	11.84	10.93	10.15

Optional Accessories (For 1598 Series Cases)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Description	Price Each		
			1	10	100
546-1598ATS100	1598ATS100	#6 x 1/4" self tapping screws, 100 pack	3.15	2.63	2.42
546-1598ZPC25	1598ZPC25	Adhesive PC clips (25 per bag)	6.99	5.83	4.99

Optional Tilt Handle

- Instructions and mounting hardware included.

546-1598TH1	1598TH1	1598C-BK, E-BK, F-BK, G-BK	11.15	9.29	8.57
546-1598TH2	1598TH2	1598D-BK, H-BK, J-BK	11.15	9.29	8.57

Optional Tilt Stand

- Instructions and mounting hardware included.

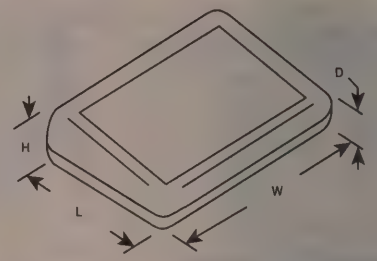
546-1427-D5	1427-D5	For enclosures 5.5" to 7.0"	10.82	9.01	8.07

POTTING BOXES

For quantities of 500 and up, call for quote.

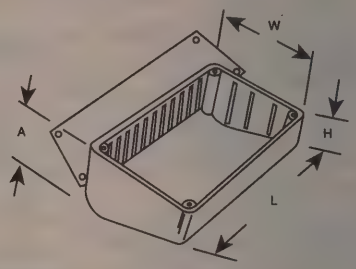
MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions (In.)			Price Each			
			L	W	H	1	10	100	250
546-1596B109	1596B109	D	0.46	0.46	0.35	1.07	.89	.82	.76
546-1596B110	1596B110	D	0.85	0.55	0.46	1.10	.91	.84	.78
546-1596B101	1596B101	D	0.98	0.79	0.59	1.13	.94	.87	.81
546-1596B112	1596B112	D	0.98	0.98	0.98	1.16	.97	.89	.83
546-1596B102	1596B102	D	1.18	0.79	0.59	1.32	1.10	.88	.80
546-1596B111	1596B111	D	1.18	1.18	0.79	1.22	1.02	.94	.87
546-1596B103	1596B103	D	1.57	1.37	0.79	1.38	1.15	1.06	.98
546-1596B107	1596B107	D	1.57	1.57	0.79	1.31	1.09	1.01	.94
546-1596B113	1596B113	D	1.57	1.57	1.15	1.22	1.01	.93	.87
546-1596B104	1596B104	D	1.96	1.57	1.18	1.31	1.09	1.01	.94
546-1596B-108	1596B-108	D	1.96	1.96	1.18	1.43	1.19	1.10	1.02
546-1596B105	1596B105	D	2.95	1.98	1.39	2.27	1.89	1.75	1.62
546-1596B114	1596B114	D	2.95	2.95	1.57	2.55	2.12	1.96	1.82
546-1596B115	1596B115	D	3.50	2.52	1.28	2.70	2.25	2.08	1.93
546-1596B106	1596B106	D	3.93	2.36	0.99	2.30	1.92	1.77	1.64

A



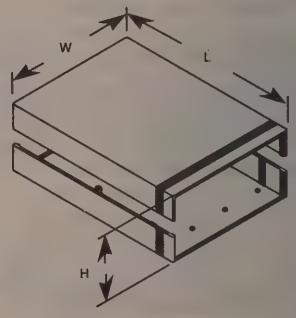
- Includes removable rear panels for easy modification
- Molded in PCB card standoffs and vertical card guides
- 2 piece, lap joint construction provides protection against dust accumulation and splashing water
- Recessed top panel for membrane keypad

B



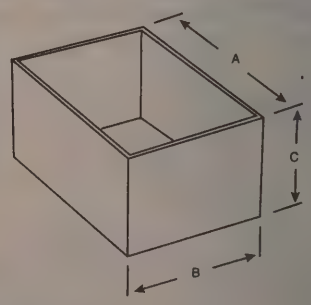
- Four M3 x .5" x 8mm Phillips pan head screws threaded into integral brass bushings hold recessed panel
- Internal slot: accepts 0.062" PC cards
- 4 self adhesive rubber feet
- .20" dia. stand-off bosses in base
- ABS plastic case, UL 94V-0
- 0.04" thick painted aluminum panel

C



- Molded in PC card standoffs and vertical card guides
- Designed to meet IP54
- Positive fit, tongue and groove construction requires only 2 mounting screws

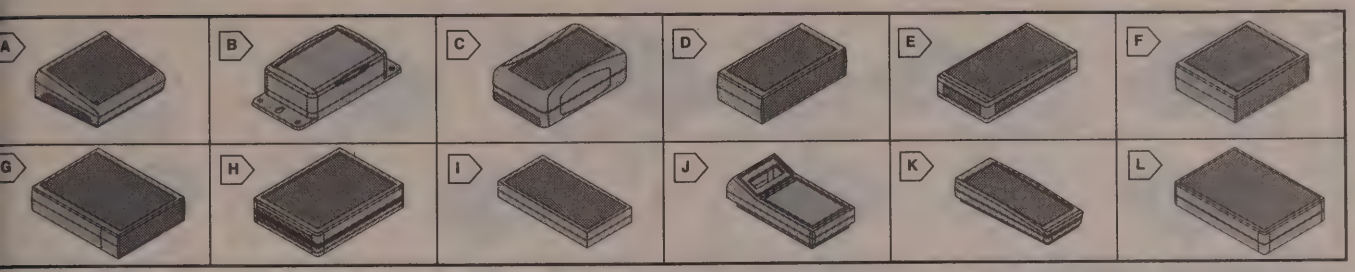
D



- One piece molded construction
- Molded from black general purpose ABS plastic
- Temperature rated -20° to +94°C
- 1.0mm (0.04") wall thickness.

PACTEC Plastic Enclosures

PACTEC®



Common Features: • Medium impact ABS molding 1/8" thick. • Includes all necessary component parts and assembly hardware to build a prototype unit • Provides built in mounting features

PACTEC® PT SERIES

New **KEYBOARD** enclosures. A sloped design with curved edges for a modern look. Removable front and rear panels make it easy to modify. Unit-ABS 94HB, Panels-Aluminum

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	PacTec Model No.	Pactec Part Number		Dimensions (In.)					Price Each			
Black	Bone			Black	Bone	L	W	H	PC Board		1	10	25	50
616-82399-510-000	616-82399-510-039	A	PT-8	82399-510-000	82399-510-039	6.60	8.90	2.70	6.10	8.40	16.72	15.88	15.09	14.34
616-82404-510-000	616-82404-510-039	A	PT-10	82404-510-000	82404-510-039	7.90	11.00	3.00	7.40	10.50	19.82	17.97	17.08	16.22

PACTEC® OD SERIES

New **OUTDOOR/IP RATED** enclosures. Ideal for harsh enviroments. Sturdy flanges allow the enclosure to mount to almost any surface. Polycarbonate material

MOUSER STOCK NO.		Fig.	PacTec Model No.	Pactec Part Number		Dimensions (In.)					Price Each			
Gray	- - -			Gray	- - -	L	W	H	PC Board		1	10	25	50
616-82365-510-332	- - -	B	OD-45	82365-510-332	- - -	6.80	3.50	1.50	6.30	3.00	8.86	8.42	8.00	7.60
616-82428-510-332	- - -	B	OD-56	82428-510-332	- - -	7.60	5.10	1.50	7.10	4.60	10.76	10.22	9.71	9.23

PACTEC® PP SERIES

New **HANDHELD** enclosure with SOFT TOUCH sides for an improved grip and a unique look. Two color options with a removable panel and a 2AA battery compartment. ABS 94 HB

MOUSER STOCK NO.		Fig.	PacTec Model No.	Pactec Part Number		Dimensions (In.)					Price Each			
Gray w/Black	Gray w/ Dark Grey			Gray w/Black	Gray w/ D. Gray	L	W	H	PC Board		1	10	25	50
616-83561-510-508	616-83776-510-508	C	PP-9VB/2AA	83561-510-508	83776-510-508	3.75	2.50	1.00	3.30	2.00	5.74	5.45	5.18	4.92
616-83556-510-508	616-83777-510-508	C	PPL-9VB/2AA	83556-510-508	83777-510-508	4.38	2.75	1.00	3.90	2.30	5.99	5.69	5.41	5.14

PACTEC® JM SERIES

HANDHELD enclosures. Options include removable panels and battery compartments. ABS 94HB

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	PacTec Model No.	Pactec Part Number		Dimensions (In.)					Price Each			
Black	Bone			Black	Bone	L	W	H	PC Board		1	10	25	50
616-71971-510-000	616-71972-510-039	D	JM-12IE	71971-510-000	71972-510-039	2.40	1.60	0.80	1.90	1.10	1.71	1.62	1.54	1.47
616-69313-510-000	616-69316-510-039	D	JM-22	69313-510-000	69316-510-039	2.40	2.20	1.00	1.90	1.70	2.05	1.95	1.85	1.76
616-72838-510-000	616-72839-510-039	D	JM-22IE	72838-510-000	72839-510-039	2.40	2.20	1.00	1.90	1.70	1.90	1.81	1.71	1.63
616-71100-510-000	616-71103-510-039	D	JM-24	71100-510-000	71103-510-039	3.80	2.40	1.00	3.30	1.90	3.12	2.96	2.82	2.68
616-76419-510-000	616-76419-510-039	D	JMS-24	76419-510-000	76419-510-039	3.80	2.40	0.90	3.30	1.90	3.14	2.98	2.83	2.69
616-77070-510-000	616-77070-510-039	D	JM-25	77070-510-000	77070-510-039	2.60	2.70	1.00	2.10	2.20	3.09	2.94	2.79	2.65
616-77071-510-000	616-77071-510-039	D	JM-33	77071-510-000	77071-510-039	3.10	2.70	1.00	2.60	2.20	3.19	3.03	2.88	2.74
616-77759-510-000	616-77759-510-039	D	JM-35	77759-510-000	77759-510-039	4.10	2.70	1.00	3.60	2.20	3.79	3.60	3.42	3.25
616-71867-510-000	616-71868-510-039	D	JM-42	71867-510-000	71868-510-039	3.80	2.40	1.00	3.30	1.90	3.88	3.69	3.50	3.33

PACTEC® HM SERIES

HANDHELD enclosures. Options include removable panels and battery compartments. ABS 94HB

For quantities greater than listed, call for quote.

616-61910-510-000	616-61914-510-039	E	HM	61910-510-000	61914-510-039	3.80	2.40	0.90	3.10	1.90	2.84	2.70	2.56	2.43
616-61980-510-000	616-61985-510-039	E	HM-9VB	61980-510-000	61985-510-039	3.80	2.40	1.00	3.10	1.90	3.29	3.13	2.97	2.82
616-71949-510-000	616-71952-510-039	E	HM-9VB-ET	71949-510-000	71952-510-039	3.80	2.40	1.50	3.30	1.90	3.59	3.41	3.24	3.08
616-71933-510-000	616-71936-510-039	E	HM-ET	71933-510-000	71936-510-039	3.80	2.40	1.40	3.30	1.90	3.14	2.98	2.83	2.69

PACTEC® HML SERIES

HANDHELD enclosures. Options include removable panels and battery compartments. ABS 94HB

For quantities greater than listed, call for quote.

616-62558-510-000	616-62562-510-039	F	HML	62558-510-000	62562-510-039	4.60	2.70	0.90	4.10	2.20	4.04	3.84	3.65	3.46
616-62578-510-000	616-62582-510-039	F	HML-9VB	62578-510-000	62582-510-039	4.60	2.70	1.00	4.10	2.20	4.54	4.31	4.10	3.89
616-66830-510-000	616-66833-510-039	F	HML-9VB-ET	66830-510-000	66833-510-039	4.60	2.70	1.50	4.10	2.20	4.79	4.55	4.32	4.11
616-66826-510-000	616-66829-510-039	F	HML-ET	66826-510-000	66829-510-039	4.60	2.70	1.30	4.10	2.20	4.14	3.93	3.74	3.55
616-76688-510-000	616-76688-510-039	F	HMW-ET	76688-510-000	76688-510-039	3.20	2.70	1.40	2.70	2.20	4.14	3.93	3.74	3.55

PACTEC® RC SERIES

HANDHELD enclosures. Options include removable panels, battery compartments and recess areas for labels. ABS 94HB

For quantities greater than listed, call for quote.

616-77725-510-000	616-77725-510-039	G	RC-23-9VB	77725-510-000	77725-510-039	3.10	2.50	1.00	2.60	2.00	3.26	3.10	2.94	2.80
616-74802-510-000	616-74802-510-039	G	RC-24-9VB/2AA	74802-510-000	74802-510-039	4.60	2.50	0.90	4.10	2.00	4.54	4.31	4.10	3.89

PACTEC® RF SERIES

HANDHELD enclosures ideal for remote controls and other handheld applications.

For quantities greater than listed, call for quote.

616-76637-510-000	616-76637-510-039	H	RF-35	76637-510-000	76637-510-039	5.10	3.30	0.80	4.60	2.80	3.46	3.29	3.12	2.97
616-73329-510-000	616-73330-510-039	H	RF-37	73329-510-000	73330-510-039	6.70	2.90	0.80	6.20	2.40	4.75	4.51	4.29	4.07
616-77054-510-000	616-77054-510-039	H	RF-38	77054-510-000	77054-510-039	8.00	3.00	1.50	7.50	2.50	6.04	5.74	5.45	5.18

PACTEC® HP SERIES

HANDHELD enclosures. Options include removable panels, battery compartments and recess areas for labels. ABS 94HB

For quantities greater than listed, call for quote.

616-60616-510-000	616-61989-510-039	I	HP	60616-510-000	61989-510-039	5.70	3.60	1.10	5.20	3.10	4.99	4.74	4.50	4.28
616-68361-510-000	616-68364-510-039	I	HP-4AA	68361-510-000	68364-510-039	5.70	3.60	1.20	5.20	3.10	5.54	5.26	5.00	4.75
616-60620-510-000	616-62006-510-039	I	HP-9VB	60620-510-000	62006-510-039	5.70	3.60	1.20	5.20	3.10	5.49	5.22	4.95	4.71

PACTEC® HPS SERIES

SLOPED HANDHELD enclosures. Options include removable panels, battery compartments and recess areas for labels. ABS 94HB

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	PacTec Model No.	Pactec Part Number		Dimensions (In.)					Price Each			
Black	Bone			Black	Bone	L	W	H	PC Board		1	10	25	50
616-60607-510-000	616-62016-510-039	J	HPS	60607-510-000	62016-510-039	5.70	3.60	1.10	5.20	3.10	6.24	5.93	5.63	5.35
616-68419-510-000	616-68422-510-039	J	HPS-4AA	68419-510-000	68422-510-039	5.70	3.60	1.30	5.20	3.10	7.24	6.88	6.53	6.21
616-60611-510-000	616-62036-510-039	J	HPS-9VB	60611-510-000	62036-510-039	5.70	3.60	1.30	5.20	3.10	7.19	6.83	6.49	6.16

PACTEC® SH SERIES

SLOPED HANDHELD enclosures ideal for keypads, testers, or other handheld applications.

For quantities greater than listed, call for quote.

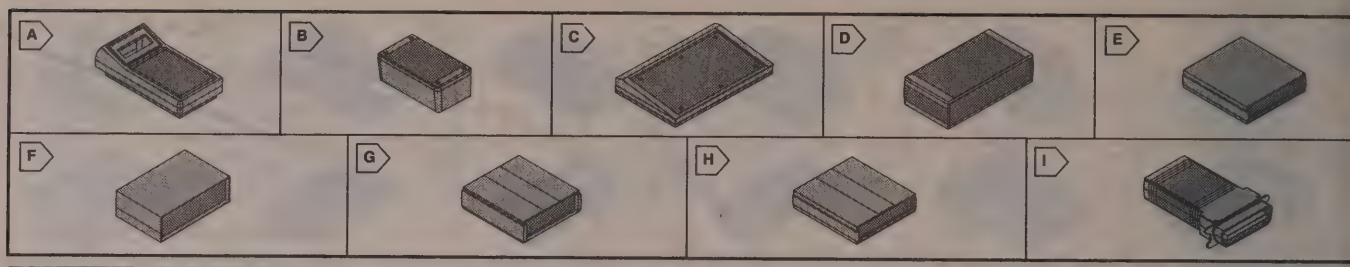
616-70030-510-000	616-70033-510-039	K	SH	70030-510-000	70033-510-039	5.70	3.60	1.10	5.20	3.10	3.41	3.24	3.08	2.93
616-70210-510-000	616-70213-510-039	K	SH-4AA	70210-510-000	70213-510-039	5.70	3.60	1.20	5.20	3.10	4.99	4.74	4.50	4.28
616-70038-510-000	616-70035-510-039	K	SH-9VB	70038-510-000	70035-510-039	5.70	3.60	1.20	5.20	3.10	4.49	4.27	4.05	3.85

PACTEC® HPL SERIES

HANDHELD enclosures. Options include removable panels, battery compartments and recess areas for labels. ABS 94HB

For quantities greater than listed, call for quote.

616-60624-510-000	616-62040-510-039	L	HPL	60624-510-000	62040-510-039	7.50	4.10	1.10	7.00	3.60	6.89	6.54	6.22	5.91
616-68377-510-000	616-68380-510-039	L	HPL-4AA	68377-510-000	68380-510-039	7.50	4.10	1.20	7.00	3.60	7.29	6.92	6.58	6.25
616-60628-510-000	616-62057-510-039	L	HPL-9VB	60628-510-000	62057-510-039	7.50	4.10	1.20	7.00	3.60	7.34	6.97	6.62	6.29



PACTEC® HPLS SERIES

SLOPED HANDHELD enclosures. Options include removable panels, battery compartments and recess areas for labels. ABS 94HB **For quantities greater than listed, call for quo**

MOUSER STOCK NO.		Fig.	PacTec Model No.	Pactec Part Number		Dimensions (In.)					Price Each			
Black	Bone			Black	Bone	L	W	H	PC Board		1	10	25	50
616-61162-510-000	616-62066-510-039	A	HPLS	61162-510-000	62066-510-039	7.50	4.10	1.10	7.00	3.60	7.84	7.44	7.07	6.72
616-68443-510-000	616-68446-510-039	A	HPLS-4AA	68443-510-000	68446-510-039	7.50	4.10	1.20	7.00	3.60	8.58	8.16	7.75	7.36
616-61170-510-000	616-62085-510-039	A	HPLS-9VB	61170-510-000	62085-510-039	7.50	4.10	1.20	7.00	3.60	8.43	8.01	7.61	7.23

PACTEC® FLX/FLXT SERIES

UTILITY enclosures with mounting flange option. Flame Retardant Material ABS 94VO **For quantities greater than listed, call for quo**

616-74921-510-028	616-74922-510-060	B	FLX-2535	74921-510-028	74922-510-060	3.50	2.50	1.10	3.00	2.00	3.14	2.99	2.84	2.70
616-74980-510-028	616-74981-510-060	B	FLX-4624	74980-510-028	74981-510-060	4.60	2.40	1.30	4.10	1.90	3.64	3.46	3.29	3.12
616-77347-510-028	616-77347-510-060	B	FLX-6030	77347-510-028	77347-510-060	6.10	3.10	2.00	5.60	2.60	6.14	5.83	5.54	5.26
616-77349-510-028	616-77349-510-060	B	FLX-7050	77349-510-028	77349-510-060	7.10	5.10	3.00	6.60	4.60	7.64	7.25	6.89	6.55
616-74923-510-028	616-74924-510-060	B	FLXT-2535	74923-510-028	74924-510-060	3.50	2.50	1.10	3.00	2.00	3.14	2.99	2.84	2.70
616-74982-510-028	616-74983-510-060	B	FLXT-4624	74982-510-028	74983-510-060	4.60	2.40	1.30	4.10	1.90	3.64	3.46	3.29	3.12
616-77348-510-028	616-77348-510-060	B	FLXT-6030	77348-510-028	77348-510-060	6.10	3.10	2.00	5.60	2.60	6.14	5.83	5.54	5.26
616-77350-510-028	616-77350-510-060	B	FLXT-7050	77350-510-028	77350-510-060	7.10	5.10	3.00	6.60	4.60	7.64	7.25	6.89	6.55

PACTEC® KE/KEU SERIES

KEYBOARD enclosures. A sloped design with removable front and rear panels make it easy to modify. ABS 94HB **For quantities greater than listed, call for quo**

616-73700-510-000	616-73701-510-039	C	KEU-5LP	73700-510-000	73701-510-039	5.40	5.40	1.50	4.90	4.90	8.14	7.73	7.34	6.98
616-63100-510-000	616-63104-510-039	C	KEU-7	63100-510-000	63104-510-039	5.10	7.10	3.00	4.60	6.60	14.22	13.51	12.84	12.20
616-72560-510-000	616-72561-510-039	C	KEU-7LP	72560-510-000	72561-510-039	5.10	7.10	1.30	4.60	6.60	9.00	8.55	8.12	7.72
616-62291-510-000	616-62290-510-039	C	KEU-10	62291-510-000	62290-510-039	8.10	10.10	4.00	7.60	9.60	17.87	16.97	16.13	15.32
616-72556-510-000	616-72557-510-039	C	KEU-10LP	72556-510-000	72557-510-039	8.10	10.10	2.10	7.60	9.60	13.58	12.90	12.25	11.64
616-72552-510-000	616-72553-510-039	C	KE-12LP	72552-510-000	72553-510-039	6.50	12.40	1.50	6.00	11.90	13.18	12.52	11.89	11.30
-	616-64400-510-060	C	KE-17	-	64400-510-060	8.60	17.10	2.70	16.50	8.10	27.75	23.36	22.19	21.08
-	616-64406-510-060	C	KE-20	-	64406-510-060	8.60	20.10	2.70	8.10	19.60	33.19	31.53	29.95	28.45

PACTEC® LH SERIES

DESKTOP enclosures with removable panels for easy modifications. ABS 94HB **For quantities greater than listed, call for quo**

616-75054-510-000	616-75053-510-039	D	LH43-100	75054-510-000	75053-510-039	3.10	4.50	1.20	2.60	4.00	5.14	4.88	4.64	4.41
616-75815-510-000	616-75816-510-039	D	LH43-200	75815-510-000	75816-510-039	3.10	4.50	1.70	2.60	4.00	5.64	5.36	5.09	4.84
616-79159-510-000	616-79159-510-039	D	LH45-100	79159-510-000	79159-510-039	4.70	4.10	1.20	4.20	3.60	5.79	5.50	5.23	4.96
616-79160-510-000	616-79160-510-039	D	LH45-175	79160-510-000	79160-510-039	4.70	4.10	1.70	4.20	3.60	6.29	5.97	5.68	5.39
616-71886-510-000	616-71887-510-039	D	LH55-130	71886-510-000	71887-510-039	5.10	5.10	1.50	4.60	4.60	7.48	7.11	6.75	6.41
616-71988-510-000	616-71989-510-039	D	LH55-200	71988-510-000	71989-510-039	5.10	5.10	2.20	4.60	4.60	7.95	7.55	7.18	6.82
616-74216-510-000	616-74217-510-039	D	LH57-130	74216-510-000	74217-510-039	7.20	5.50	1.50	6.70	5.00	8.73	8.29	7.88	7.48
616-74220-510-000	616-74221-510-039	D	LH57-200	74220-510-000	74221-510-039	7.20	5.50	2.20	6.70	5.00	10.70	10.16	9.65	9.17
616-71894-510-000	616-71895-510-039	D	LH64-130	71894-510-000	71895-510-039	4.20	6.10	1.50	3.70	5.60	7.48	7.11	6.75	6.42
616-71996-510-000	616-71997-510-039	D	LH64-200	71996-510-000	71997-510-039	4.20	6.10	2.20	3.70	5.60	7.94	7.54	7.16	6.80
616-71902-510-000	616-71903-510-039	D	LH84-130	71902-510-000	71903-510-039	4.20	8.10	1.50	3.70	7.60	9.43	8.96	8.51	8.09
616-72004-510-000	616-72005-510-039	D	LH84-200	72004-510-000	72005-510-039	4.20	8.10	2.20	7.60	3.70	10.43	9.91	9.41	8.94
616-74208-510-000	616-74209-510-039	D	LH96-130	74208-510-000	74209-510-039	6.20	9.10	1.50	5.70	8.60	10.65	10.12	9.61	9.13
616-74212-510-000	616-74213-510-039	D	LH96-200	74212-510-000	74213-510-039	6.20	9.10	2.20	5.70	8.60	11.53	10.95	10.41	9.88
616-76447-510-000	616-76447-510-039	D	LH129-175	76447-510-000	76447-510-039	9.30	11.10	1.70	8.80	10.60	15.32	14.56	13.83	13.14
616-76445-510-000	616-76445-510-039	D	LH129-250	76445-510-000	76445-510-039	9.30	11.10	2.20	8.80	10.60	17.07	16.22	15.40	14.63

PACTEC® CM SERIES

DESKTOP enclosures with removable panels for easy modifications. ABS 94HB **For quantities of 100 and up, call for quo**

616-71913-510-000	616-71914-510-039	E	CM3-100	71913-510-000	71914-510-039	5.20	3.30	1.20	4.70	2.80	6.74	6.40	6.08	5.78
616-63000-510-000	616-62999-510-039	E	CM3-150	63000-510-000	62999-510-039	5.20	3.30	1.70	4.70	2.80	7.29	6.92	6.58	6.25
616-63050-510-000	616-63049-510-039	E	CM5-125	63050-510-000	63049-510-039	5.20	5.10	1.50	4.70	4.60	7.47	7.10	6.74	6.40
616-64025-510-000	616-61956-510-039	E	CM5-200	64025-510-000	61956-510-039	5.20	5.10	2.20	4.70	4.60	7.69	7.30	6.94	6.59
616-71921-510-000	616-71922-510-039	E	CM6-150	71921-510-000	71922-510-039	6.20	6.10	1.70	5.70	5.60	10.13	9.63	9.14	8.69
616-63075-510-000	616-63074-510-039	E	CM6-225	63075-510-000	63074-510-039	6.20	6.10	2.50	5.70	5.60	11.43	10.86	10.32	9.80
616-64000-510-000	616-63999-510-039	E	CM6-300	64000-510-000	63999-510-039	6.20	6.10	3.20	5.70	5.60	12.48	11.85	11.26	10.70
616-61154-510-000	616-61966-510-039	E	CM69-120	61154-510-000	61966-510-039	9.50	6.30	1.30	9.00	5.80	12.19	11.58	11.00	10.45
616-68020-510-000	616-68023-510-039	E	CM59-135	68020-510-000	68023-510-039	8.70	5.50	1.50	8.20	5.00	10.87	10.33	9.81	9.32
616-63240-510-000	616-63244-510-039	E	CM69-180	63240-510-000	63244-510-039	9.50	6.30	1.90	9.00	5.80	14.37	13.66	12.97	12.32
616-63270-510-000	616-63274-510-039	E	CM69-240	63270-510-000	63274-510-039	9.50	6.30	2.50	9.00	5.80	14.97	14.22	13.51	12.84
616-73191-510-000	616-73190-510-039	E	CM79-125	73191-510-000	73190-510-039	9.30	7.40	1.20	8.80	6.90	11.93	11.33	10.77	10.23
616-77189-510-000	616-77189-510-039	E	CM79-180	77189-510-000	77189-510-039	9.30	7.40	1.80	8.80	6.90	13.92	13.23	12.57	11.94
616-69206-510-000	616-69209-510-039	E	CM86-175	69206-510-000	69209-510-039	6.20	8.10	2.10	5.70	7.60	11.28	10.72	10.18	9.67
616-63025-510-000	616-63024-510-039	E	CM86-225	63025-510-000	63024-510-039	6.20	8.10	2.50	5.70	7.60	14.19	13.48	12.81	12.17
616-69353-510-000	616-69356-510-039	E	CML912-200	69353-510-000	69356-510-039	11.80	9.30	2.20	11.30	8.80	23.46	22.28	21.17	20.11

PACTEC® DM SERIES

LARGE DESKTOP enclosures with removable panels for easy modifications. ABS 94HB

616-72500-510-000	616-72494-510-039	F	DM-2	72500-510-000	72494-510-039	11.40	10.40	2.30	10.90	9.90	25.70	24.42	23.20	22.04
616-72501-510-000	616-72495-510-039	F	DM-3	72501-510-000	72495-510-039	11.40	10.40	3.30	10.90	9.90	26.20	24.89	23.65	22.47
616-72502-510-000	616-72496-510-039	F	DM-4	72502-510-000	72496-510-039	11.40	10.40	4.30	10.90	9.90	26.70	25.37	24.10	22.89

PACTEC® C SERIES

LARGE DESKTOP enclosures with removable panels for easy modifications. ABS 94HB

616-61000-510-000	616-61866-510-039	G	C-23	61000-510-000	61866-510-039	9.20	8.50	2.4-3.6	8.70	8.00	24.41	23.19	22.03	20.93
616-61200-510-000	616-61906-510-039	G	CH-23	61200-510-000	61906-510-039	9.20	8.50	2.4-3.6	8.70	8.00	35.59	33.81	32.12	30.51

PACTEC® CF SERIES

LARGE DESKTOP enclosures with removable panels for easy modifications. ABS 94HB

616-63120-510-000	616-63124-510-039	H	CF-125	63120-510-000	63124-510-039	9.10	8.30	1.60	8.60	7.80	14.97	14.22	13.51	12.84
616-63180-510-000	616-63184-510-039	H	CF-175	63180-510-000	63184-510-039	9.10	8.30	2.10	8.60	7.80	16.22	15.41	14.64	13.91
616-62240-510-000	616-62244-510-039	H	CF-225	62240-510-000	62244-510-039	9.10	8.30	2.60	8.60	7.80	17.47	16.60	15.77	14.98
616-63210-510-000	616-63214-510-039	H	CF-275	63210-510-000	63214-510-039	9.10	8.30	3.10	8.60	7.80	18.72	17.78	16.89	16.05

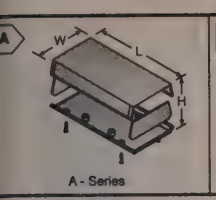
PACTEC® CN SERIES

CONNECTOR ENCLOSURE to house your connectors. Connectors and Hardware not included. ABS 94HB

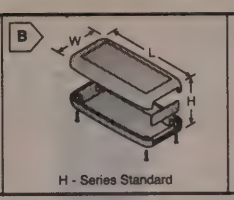
MOUSER STOCK NO.		Fig.	PacTec Model No.	Pactec Part Number		Connector Ends		Dimensions (In.)			Price Each			
Black	Bone			Black	Bone	Left Side	Right Side	L	W	H	1	10	25	50
616-72906-510-000	616-72906-510-039	I	CNS-0407	72906-510-000	72906-510-039	DB-9	RJ-11/45	2.62	1.70	0.80	1.55	1.47	1.40	1.33
616-73091-510-000	616-73091-510-039	I	CNM-0000	73091-510-000	73091-510-039	Blank	Blank	2.50	1.70	0.80	1.60	1.52	1.44	1.37
616-73104-510-000	616-73104-510-039	I	CNL-0000	73104-510-000	73104-510-039	Blank	Blank	3.00	1.70	0.80	1.65	1.56	1.49	1.41
616-73105-510-000	616-73105-510-039	I	CNL-0101	73105-510-000	73105-510-039	DB-9	DB-9	3.73	1.70	0.80	1.65	1.56	1.49	1.41

SERPAC Enclosures and Cases

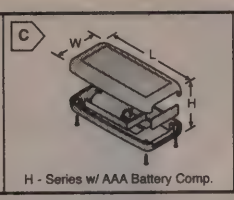
SERPAC Electronic Enclosures



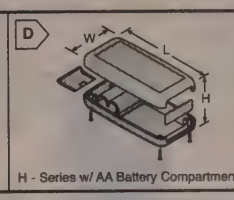
A - Series



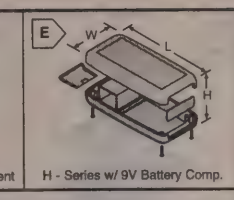
H - Series Standard



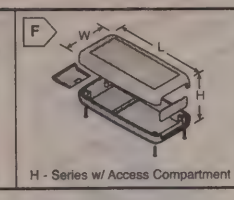
H - Series w/ AAA Battery Comp.



H - Series w/ AA Battery Compartment



H - Series w/ 9V Battery Comp.



H - Series w/ Access Compartment

- SERIES

atures:
- Hi-Impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- Four-piece design
- Circuit board mounting bosses

re are 3 colors available, replace the (__) in the part number with: **A** for **Almond** or **or Black** or **G** for **Gray**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions (In.)			Price Each		
			L	W	H	1	10	50
tandard								
35-A-20-__	A-20-__	A	4.25	2.60	0.87	5.15	4.04	3.68
35-A-21-__	A-21-__	A	4.25	2.60	1.12	5.29	4.16	3.78
35-A-27-__	A-27-__	A	5.31	3.35	1.51	7.77	6.11	5.55
35-A-31-__	A-31-__	A	5.30	5.10	1.71	10.00	7.85	7.14
35-A-41-__	A-41-__	A	7.10	5.00	1.30	11.57	9.09	8.27
35-A-42-	A-42-	A	7.10	5.00	11.57	12.20	9.59	8.72
/ith 9V Battery Compartment								
35-A-21-9V-__	A-21-9V-__	A	4.25	2.60	1.12	6.68	5.25	4.77
35-A-27-9V-__	A-27-9V-__	A	5.31	3.14	1.51	9.60	7.54	6.86
35-A-31-9V-__	A-31-9V-__	A	5.30	5.10	1.71	11.76	9.24	8.40
35-A-41-9V-__	A-41-9V-__	A	7.10	5.00	1.30	13.02	10.23	9.30
35-A-42-9V-__	A-42-9V-__	A	7.10	5.00	1.62	13.65	10.73	9.75

ptional End Panels for A Series Enclosures

ailable in Clear (CL), Infrared(IR), DB9 Cutout, 325 Cutout, and 9V Battery Cutout

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	For Enclosure	Price Each		
			1	10	50
35-2003-CL	2003-CL	A-20	1.35	1.23	1.12
35-2003-IR	2003-IR	A-20	1.46	1.33	1.21
35-2003-DB9	2003-DB9	A-20	1.08	.90	.86
35-2003-DB25	2003-DB25	A-20	1.08	.90	.86
35-2005-CL	2005-CL	A-21	1.35	1.23	1.12
35-2005-IR	2005-IR	A-21	1.46	1.33	1.21
35-2005-DB9	2005-DB9	A-21	1.08	.90	.86
35-2005-DB25	2005-DB25	A-21	1.08	.90	.86
35-2006-9V	2006-9V	A-21	.96	.87	.79
35-2010-CL	2010-CL	A-27	1.50	1.36	1.24
35-2010-IR	2010-IR	A-27	1.63	1.48	1.35
35-2010-DB9	2010-DB9	A-27	1.20	.99	.95
35-2010-DB25	2010-DB25	A-27	1.20	.99	.95
35-2011-9V	2011-9V	A-27	1.05	.95	.86
35-2015-CL	2015-CL	A-31	2.46	2.24	2.03
35-2015-IR	2015-IR	A-31	2.68	2.44	2.21
35-2015-DB9	2015-DB9	A-31	2.09	1.74	1.65
35-2015-DB25	2015-DB25	A-31	2.09	1.74	1.65
35-2016-9V	2016-9V	A-31	1.81	1.64	1.49
35-2020-CL	2020-CL	A-41	2.23	2.03	1.84
35-2020-IR	2020-IR	A-41	2.42	2.20	2.00
35-2020-DB9	2020-DB9	A-41	1.51	1.37	1.25
35-2020-DB25	2020-DB25	A-41	1.51	1.37	1.25
35-2021-9V	2021-9V	A-42	1.54	1.39	1.28
35-2024-CL	2024-CL	A-42	2.46	2.24	2.03
35-2024-IR	2024-IR	A-42	2.68	2.44	2.21
35-2024-DB9	2024-DB9	A-42	2.04	1.74	1.65
35-2024-DB25	2024-DB25	A-42	2.04	1.74	1.65
35-2025-9V	2025-9V	A-42	1.81	1.64	1.49

H - SERIES SOLID COLORS

Features:
- Hi-Impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- Multiple battery compartment configurations w/ contactors
- Three-piece design w/ ergonomic handheld shape
- Circuit board mounting bosses
- Pocket clip available

There are 3 colors available, replace the (__) in the part number with: **A** for **Almond** or **B** for **Black** or **G** for **Gray**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions (In.)			Price Each		
			L	W	H	1	10	50
Standard								
635-H-45-__	H-45-__	B	3.90	2.20	.94	8.75	7.95	7.23
635-H-65-__	H-65-__	B	4.94	2.75	.94	6.85	5.38	4.89
635-H-75-	H-75-	B	7.20	3.65	1.26	8.48	6.67	6.06
With AAA Battery Compartment								
635-H-45-AAA-	H-45-AAA-	C	3.90	2.20	.94	9.74	8.85	8.05
With AA Battery Compartment								
635-H-65AA-__	H-65-AA-__	D	4.94	2.75	.94	13.21	10.38	9.44
635-H-67AA-__	H-67-AA-__	D	4.94	2.75	1.28	7.64	6.01	5.46
635-H-75-4AA-	H-75-4AA-	D	7.20	3.65	1.26	11.26	8.84	8.04
With 9V Battery Compartment								
635-H-659V-__	H-65-9V-__	E	4.94	2.75	.94	7.39	5.81	5.28
635-H-679V-__	H-67-9V-__	E	4.94	2.75	1.28	7.54	5.92	5.39
635-H-759V-	H-75-9V-	E	7.20	3.65	1.26	9.39	7.38	6.71
With Access Compartment								
635-H-65AC-__	H-65-AC-__	F	4.94	2.75	.94	6.85	5.38	4.89
635-H-67AC-__	H-67-AC-__	F	4.94	2.75	1.28	7.01	5.51	5.01

H - SERIES TRANSLUCENT COLORS

Features:
- Hi-Impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- Pocket clip available

There are 4 colors available, replace the (__) in the part number with: **BL** for **Blue** or **GR** for **Green** or **RD** for **Red** or **GY** for **Gray**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions (In.)			Price Each		
			L	W	H	1	10	50
635-H-65AATR-__	H-65-AA-TR-__	D	4.94	2.75	.94	13.21	10.38	9.44
635-H-659VTR-__	H-65-9V-TR-__	E	4.94	2.75	.94	13.00	10.21	9.29

Optional End Panels for H Series Enclosures

Available in Clear (CL), Infrared(IR), and Red (R)

For quantities of 500 and up, call for quote.

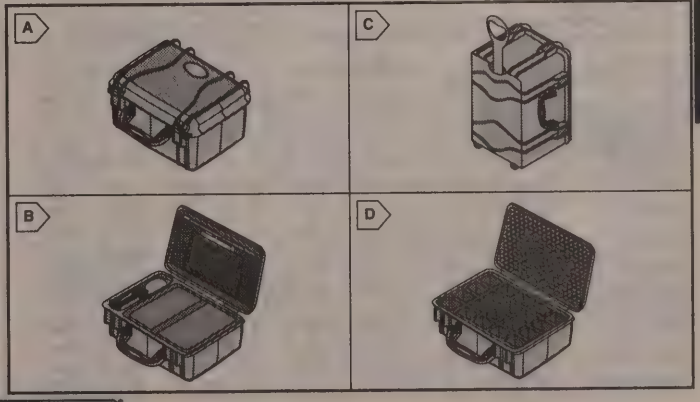
MOUSER STOCK NO.	Serpac Part No.	Price Each			
		1	10	50	100
635-2104-CL	2104-CL	1.79	1.63	1.48	1.34
635-2104-IR	2104-IR	2.39	2.17	1.98	1.80
635-2104-R	2104-R	2.58	2.35	2.13	1.94
635-2105-CL	2105-CL	1.92	1.75	1.59	1.44
635-2105-IR	2105-IR	2.52	2.29	2.08	1.89
635-2105-R	2105-R	2.71	2.46	2.24	2.04
635-2106-CL	2106-CL	2.03	1.85	1.68	1.53
635-2106-IR	2106-IR	1.69	1.54	1.40	1.27
635-2106-R	2106-R	1.90	1.73	1.57	1.43
635-2107-CL	2107-CL	2.23	2.03	1.84	1.68
635-2107-IR	2107-IR	3.08	2.80	2.55	2.31
635-2107-R	2107-R	3.34	3.04	2.76	2.51

- SERIES EQUIPMENT CASES

here are 4 colors available, replace the (__) in the part number with:
M for **Gunmetal** (Dark Gray) or **B** for **Black** or
Y for **Caution Yellow** or **IO** for **International Orange**

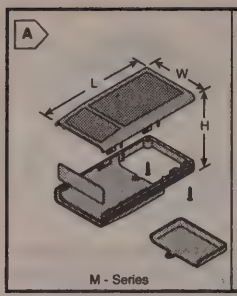
MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions			Price Each
			L	W	H	
635-R-120-__	R-120-__	A	8.70	7.45	3.89	24.68
635-R-300-__	R-300-__	A	10.80	9.85	4.50	38.06
635-R-520-__	R-520-__	A	14.85	12.15	6.85	73.29
635-R-710-__	R-710-__	A	19.75	15.53	5.41	120.12
635-R-720-__	R-720-__	A	19.75	15.53	7.48	120.12
635-R-920-__	R-920-__	C	24.00	16.00	10.10	151.00
635-R-1220-	R-1220F-__	C	28.17	22.27	15.10	307.95
Extreme RX Series • Flame retardant protection • Available in black only						
635-RX-120F	RX-120F	A	7.59	8.88	3.97	41.21
635-RX-300F	RX-300F	A	10.9	9.9	4.92	63.56
635-RX-520F	RX-520F	A	15.11	12.4	6.94	117.35
635-RX-710F	RX-710F	A	20.1	15.8	5.51	192.15
635-RX-720F	RX-720F	A	20.1	15.8	7.6	192.15
R-Series Computer Case						
635-R-710CC-__	R-710CC-__	B	19.75	15.53	5.41	199.94
635-R-720CC-	R-720CC-	B	19.75	15.53	7.48	206.94
R-Series Enclosure With Divider Set						
635-R-720D-__	R-720D-__	D	19.75	15.53	7.48	178.40

Features:
- O-ring watertight/airtight seal
- Ergonomic handle
- Pressure purge valve
- Corrosion proof
- Foam inserts included
- Lifetime guarantee
- UV protected

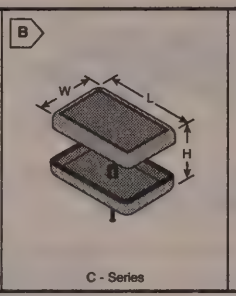


Serpac

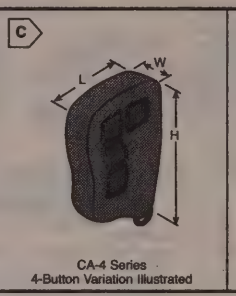
Plastic Boxes



M - Series



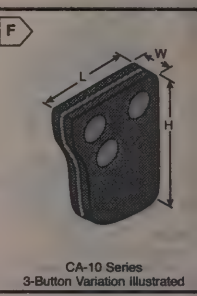
C - Series



CA-4 Series
4-Button Variation Illustrated

CA-6 Series
3-Button Variation Illustrated

CA-8 Series
3-Button Variation Illustrated



CA-10 Series
3-Button Variation Illustrated

M - SERIES SOLID COLORS

Features:
- Hi-Impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- Four-piece handheld design
- Battery compartment w/ contactors

There are 3 colors available, replace the (__) in the part number with:
A for **Almond** or **B** for **Black** or **G** for **Gray**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Battery Compartment	Dimensions (In.)			Price Each		
				L	W	H	1	10	50
Standard									
635-M-4-__	M-4-__	A	1 x AA	2.80	2.20	0.71	5.75	4.52	4.11
635-M-6-__	M-6-__	A	2 x AA/ 1 x 9V	4.15	2.40	0.85	7.16	5.63	5.12
635-M-8-__	M-8-__	A	2 x AA/ 1 x 9V	6.97	2.40	0.85	8.51	6.68	6.08
With Pocket Clip									
635-M-4PC-__	M-4-PC-__	A	1 x AA	2.80	2.20	0.70	6.78	5.33	4.85
635-M-6PC-__	M-6-PC-__	A	2 x AA/ 9V	4.15	2.40	0.85	8.25	6.48	5.90
635-M-8PC-__	M-8-PC-__	A	2 x AA/ 9V	6.97	2.40	0.85	9.81	7.71	7.01

M - SERIES TRANSLUCENT COLORS

Features:
- Hi-Impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available

There are 4 colors available, replace the (__) in the part number with:
BL for **Blue** or **GR** for **Green** or **RD** for **Red** or **GY** for **Gray**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions (In.)			Price Each		
			L	W	H	1	10	50
635-M-4TR-__	M-4-TR-__	A	2.80	2.20	0.70	10.04	7.89	7.17
635-M-6TR-__	M-6-TR-__	A	4.15	2.40	0.85	12.60	9.90	9.00

Optional End Panels for M Series Enclosures

Available in Clear (CL), Infrared(IR), and Transparent Red (R)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	For Enclosures	Price Each			
			1	10	50	100
635-4004-CL	4004-CL	M-4	2.74	2.49	2.26	2.06
635-4004-IR	4004-IR	M-4	3.00	2.73	2.48	2.25
635-4004-R	4004-R	M-4	3.00	2.73	2.48	2.25
635-4008-CL	4008-CL	M-6, M-8	2.74	2.49	2.26	2.06
635-4008-IR	4008-IR	M-6, M-8	3.00	2.73	2.48	2.25
635-4008-R	4008-R	M-6, M-8	3.00	2.73	2.48	2.25

C - SERIES SOLID COLORS

Features:
- Hi-Impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- Two-piece design
- Accepts .031" circuit board trapped on outer perimeter and central boss

There are 3 colors available, replace the (__) in the part number with:
A for **Almond** or **B** for **Black** or **G** for **Gray**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions (In.)			Price Each		
			L	W	H	1	10	50
Standard								
635-C-4-__	C-4-__	B	2.13	1.38	.58	2.44	1.91	1.74
635-C-6-__	C-6-__	B	2.26	1.61	.75	2.44	1.91	1.74
635-C-8-__	C-8-__	B	2.40	1.85	.93	2.44	1.91	1.74
635-C-10-__	C-10-__	B	2.30	3.25	.80	2.75	2.16	1.97
635-C-12-__	C-12-__	B	2.40	3.75	1.00	3.77	3.43	3.12
635-C-28-__	C-28-__	B	1.85	5.00	1.00	3.85	3.50	3.18
With Pocket Clip								
635-C-4PC-__	C-4PC-__	B	2.13	1.32	.58	4.28	3.37	3.06
635-C-6PC-__	C-6PC-__	B	2.26	1.61	.75	4.28	3.37	3.06
635-C-8PC-__	C-8PC-__	B	2.40	1.85	.93	4.28	3.37	3.06
635-C-10PC-__	C-10PC-__	B	3.25	2.30	.80	4.60	3.61	3.29

C - SERIES TRANSLUCENT COLORS

Features:
- Hi-Impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available

There are 4 colors available, replace the (__) in the part number with:
BL for **Blue** or **GR** for **Green** or **RD** for **Red** or **GY** for **Gray**

For quantities of 100 and up, call for qu

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions (In.)			Price Each		
			L	W	H	1	10	50
635-C-4TR-__	C-4-TR-__	B	2.13	1.38	.58	4.10	3.22	2.9
635-C-6TR-__	C-6-TR-__	B	2.26	1.61	.75	4.10	3.22	2.9
635-C-8TR-__	C-8-TR-__	B	2.40	1.85	.93	4.10	3.22	2.9
635-C-10TR-__	C-10-TR-__	B	3.25	2.30	.80	4.66	3.66	3.3

CH - SERIES

Features:
- Hi-Impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- 1 Insert Area
- Two-piece design w/ rounded edges
- Accepts .031" circuit board trapped on outer perimeter and central boss

There are 3 colors available, replace the (__) in the part number with:
A for **Almond** or **B** for **Black** or **G** for **Gray**

For quantities of 100 and up, call for quo

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions (In.)			Price Each		
			L	W	H	1	10	50
635-CH-4-__	CH-4-__	B	2.27	1.52	.59	3.00	2.73	2.4
635-CH-6-__	CH-6-__	B	2.39	1.74	.76	3.00	2.73	2.4
635-CH-8-__	CH-8-__	B	2.40	1.85	.93	3.00	2.73	2.4

CA - SERIES

Features:
- Ergonomic design
- 0 to 6 button configurations available (configurations vary by model)
- All models are designed to hold 20mm coin cell battery (CA-10 is also designed to hold 2 x AAA batteries)
- CA-6 and CA-8 models have watertight button(s) and a perimeter ring
- Assembles with two or three screws
- High impact ABS plastic
- UL 94HB flammability rating

There are 3 colors available, replace the (__) in the part number with:
A for **Almond** or **B** for **Black** or **G** for **Gray**

For quantities of 100 and up, call for quo

MOUSER STOCK NO.	Serpac Part No.	Fig.	No. of Buttons	Dimensions (In.)			Price Each		
				L	W	H	1	10	50
635-CA-6-0-__	CA-6-0-__	D	0	3.01	1.45	1.07	4.45	3.95	3.6
635-CA-8-0-__	CA-8-0-__	E	0	3.27	1.81	1.02	4.95	4.34	4.0
635-CA-10-0-__	CA-10-0-__	F	0	3.32	2.47	1.08	5.45	4.73	4.3
635-CA-6-1-__	CA-6-1-__	D	1	3.01	1.45	1.07	4.45	3.95	3.6
635-CA-8-1-__	CA-8-1-__	E	1	3.27	1.81	1.02	4.95	4.34	4.0
635-CA-10-1-__	CA-10-1-__	F	1	3.32	2.47	1.08	5.45	4.73	4.3
635-CA-4-2-__	CA-4-2-__	C	2	1.73	0.6	2.48	3.95	3.59	3.2
635-CA-6-2-__	CA-6-2-__	D	2	3.01	1.45	1.07	4.45	3.95	3.6
635-CA-8-2-__	CA-8-2-__	E	2	3.27	1.81	1.02	4.95	4.34	4.0
635-CA-10-2-__	CA-10-2-__	F	2	3.32	2.47	1.08	5.45	4.73	4.3
635-CA-4-3-__	CA-4-3-__	C	3	1.73	0.6	2.48	4.95	4.50	4.0
635-CA-6-3-__	CA-6-3-__	D	3	3.01	1.45	1.07	4.45	3.95	3.6
635-CA-8-3-__	CA-8-3-__	E	3	3.27	1.81	1.02	4.95	4.34	4.0
635-CA-10-3-__	CA-10-3-__	F	3	3.32	2.47	1.08	5.45	4.73	4.3
635-CA-4-4-__	CA-4-4-__	C	4	1.73	0.6	2.48	5.95	5.41	4.9
635-CA-6-4-__	CA-6-4-__	D	4	3.01	1.45	1.07	4.45	3.95	3.6
635-CA-8-4-__	CA-8-4-__	E	4	3.27	1.81	1.02	4.95	4.34	4.0
635-CA-10-4-__	CA-10-4-__	F	4	3.32	2.47	1.08	5.45	4.73	4.3
635-CA-8-5-__	CA-8-5-__	E	5	3.27	1.81	1.02	4.95	4.34	4.0
635-CA-10-5-__	CA-10-5-__	F	5	3.32	2.47	1.08	5.45	4.73	4.3
635-CA-10-6-__	CA-10-6-__	F	6	3.32	2.47	1.08	5.45	4.73	4.3

SERPAC Electronic Enclosures

- SERIES

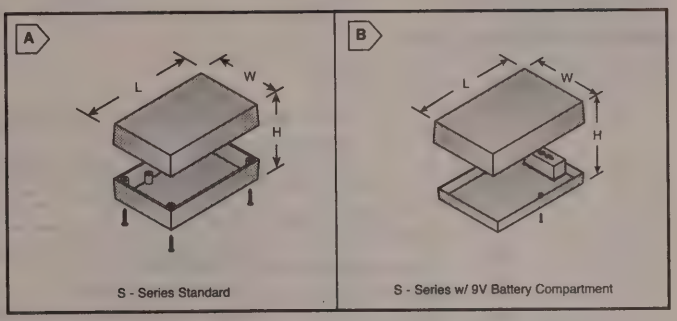
tures:
i-Impact ABS plastic
Custom colors, machining, molding, and pad printing available
" version has a .015" smooth depression on top for printing or flush membrane/ label surface
Wall mount options available on select models. Contact a Mouser Service Representative

- UL 94 HB flammability rating
- Two-piece standard design
- Circuit board mounting bosses

re are 3 colors available, replace the (__) in the part number with:
r **Almond** or **R** for **Black** or **G** for **Gray**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions (In.)			Price Each		
					L	W	H	1	10	50
tandard		With Recessed Top								
35-021-__	021-__	635-021-I-__	021-I-__	A	4.10	2.60	.90	4.49	4.09	3.71
35-031-__	031-__	635-031-I-__	031-I-__	A	4.38	3.25	.91	4.37	3.43	3.12
35-032-__	032-__	- - -	- - -	A	4.38	3.25	1.41	5.84	5.31	4.83
35-033-__	033-__	635-033-I-__	033-I-__	A	4.38	3.25	1.91	6.27	5.70	5.18
35-051-__	051-__	635-051-I-__	051-I-__	A	5.63	3.25	.91	6.25	5.68	5.16
35-052-__	052-__	- - -	- - -	A	5.63	3.25	1.41	5.44	4.27	3.89
35-053-__	053-__	635-053-I-__	053-I-__	A	5.63	3.26	1.91	7.30	6.63	6.03
35-071-__	071-__	635-071-I-__	071-I-__	A	6.88	4.88	.91	7.35	5.78	5.25
35-072-__	072-__	635-072-I-__	072-I-__	A	6.88	4.88	1.41	10.46	9.51	8.65
35-073-__	073-__	635-073-I-__	073-I-__	A	6.88	4.88	1.91	10.72	9.75	8.86
35-091-__	091-__	635-091-I-__	091-I-__	A	9.50	6.34	.91	14.40	13.09	11.90
35-092-__	092-__	635-092-I-__	092-I-__	A	9.50	6.34	1.41	14.85	14.35	13.25
35-093-__	093-__	635-093-I-__	093-I-__	A	9.50	6.34	1.91	15.37	13.97	12.70
35-110-__	110-__	635-110-I-__	110-I-__	A	3.61	2.27	1.01	3.21	2.52	2.30
35-111-__	111-__	635-111-I-__	111-I-__	A	3.61	2.27	1.51	3.72	2.92	2.66
35-112-__	112-__	- - -	- - -	A	3.61	2.27	2.01	4.75	4.32	3.93
35-113-__	113-__	- - -	- - -	A	3.61	2.27	2.51	5.01	4.55	4.14
35-131-__	131-__	635-131-I-__	131-I-__	A	4.38	3.25	1.51	4.77	3.75	3.41
35-132-__	132-__	- - -	- - -	A	4.38	3.25	2.01	6.27	5.70	5.18
35-133-__	133-__	635-133-I-__	133-I-__	A	4.38	3.25	2.51	5.38	4.22	3.84
35-151-__	151-__	635-151-I-__	151-I-__	A	5.63	3.25	1.51	5.52	4.34	3.95
35-152-__	152-__	- - -	- - -	A	5.63	3.26	2.01	7.21	6.56	5.96
35-153-__	153-__	635-153-I-__	153-I-__	A	5.63	3.25	2.51	7.17	5.83	4.94
35-171-__	171-__	635-171-I-__	171-I-__	A	6.88	4.88	1.51	8.00	6.29	5.72
35-172-__	172-__	635-172-I-__	172-I-__	A	6.88	4.88	2.01	7.64	6.01	5.46
35-173-__	173-__	635-173-I-__	173-I-__	A	6.88	4.88	2.51	9.01	7.08	6.44
35-182-__	182-__	635-182-I-__	182-I-__	A	14.21	4.88	2.01	17.36	15.78	14.34
35-191-__	191-__	635-191-I-__	191-I-__	A	9.50	6.34	1.51	12.03	9.45	8.60
35-192-__	192-__	635-192-I-__	192-I-__	A	9.50	6.34	2.01	15.89	15.29	14.11
35-193-__	193-__	635-193-I-__	193-I-__	A	9.50	6.34	2.51	12.71	9.98	9.08

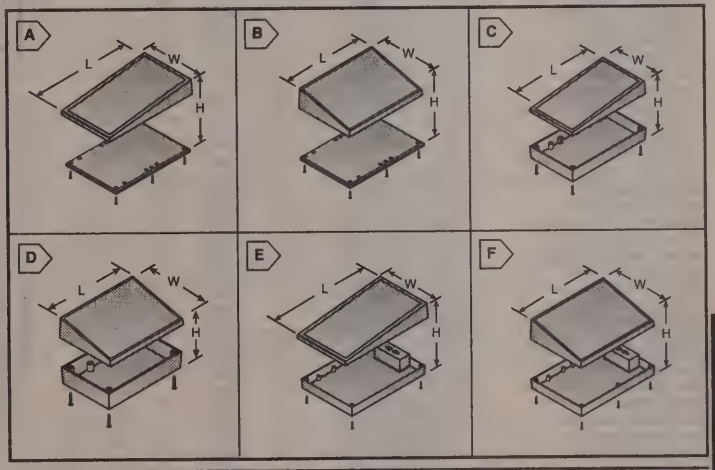


For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions (In.)			Price Each		
					L	W	H	1	10	50
W/ 9V Batt. Compart.		With Recessed Top								
635-211-__	211-__	635-211-I-__	211-I-__	B	4.10	2.60	1.51	5.54	5.04	4.58
635-231-__	231-__	635-231-I-__	231-I-__	B	4.38	3.25	1.51	5.59	4.39	3.99
635-232-__	232-__	- - -	- - -	B	4.38	3.25	2.01	5.92	4.65	4.23
635-233-__	233-__	635-233-I-__	233-I-__	B	4.38	3.25	2.51	7.71	7.01	6.38
635-251-__	251-__	635-251-I-__	251-I-__	B	5.63	3.25	1.51	8.61	7.83	7.12
635-252-__	252-__	- - -	- - -	B	5.63	3.25	2.01	7.35	5.78	5.25
635-253-__	253-__	635-253-I-__	253-I-__	B	5.63	3.25	2.51	9.66	8.78	7.99
635-271-__	271-__	635-271-I-__	271-I-__	B	6.88	4.88	1.51	11.67	10.61	9.65
635-272-__	272-__	635-272-I-__	272-I-__	B	6.88	4.88	2.01	9.83	7.72	7.02
635-273-__	273-__	635-273-I-__	273-I-__	B	6.88	4.88	2.51	12.78	11.61	10.56

L - SERIES

atures:
Hi-Impact ABS plastic
UL 94 HB flammability rating
Custom colors, machining, molding, and pad printing available
Two-piece design w/ slanted top
Recessed top for label
Circuit board mounting bosses
Wall mount options available on select models. Contact a Mouser Service Representative



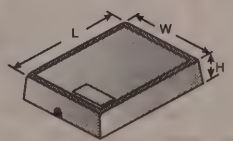
ere are 3 colors available, replace the (__) in the part number with:
for **Almond** or **R** for **Black** or **G** for **Gray**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions (In.)			Price Each		
			L	W	H	1	10	50
35-05-S-__	05-S-__	A	5.63	3.25	0.91	6.25	5.68	5.16
35-07-S-__	07-S-__	B	6.88	4.88	1.88	7.35	5.78	5.25
35-15-S-__	15-S-__	C	5.63	3.25	1.51	5.52	4.34	3.95
35-17-S-__	17S-S__	D	6.88	4.88	2.49	7.58	5.96	5.42
/ 9V Battery Compartment								
35-25-S-__	25-S-__	E	5.63	3.25	1.52	6.87	5.40	4.91
35-27-S-__	27-S-__	F	6.88	4.88	2.49	9.18	7.21	6.56

- SERIES WALL MOUNT APPLICATIONS

atures:
Hi-Impact ABS plastic
UL 94 HB flammability rating
Custom colors, machining, molding,
and pad printing available
Two-piece design
Fits standard gang boxes
Circuit board mounting bosses



here are 3 colors available, replace the (__) in the part number with:
for **Almond** or **W** for **White**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions (In.)			Price Each		
			L	W	H	1	10	50
35-G-10-__	G-10-__	D	4.38	3.25	.89	6.44	5.85	5.32
With Drilled Hole for LED and Recessed Area for Label								
35-G-10A-__	G-10A-__	D	4.38	3.25	.89	6.44	5.85	5.32

ENCLOSURE ACCESSORIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Description	Price Each			
			1	10	50	100
635-50	50	Black press-in feet	.32	.29	.26	.24
635-51	51	Black stick-on feet	.60	.55	.50	.45
635-52	52	Clear stick-on feet	.60	.55	.50	.45
635-60	60	Standoff holes	.62	.56	.51	.47
635-61	61	Standoff posts	.54	.49	.45	.41

Waterproof Gaskets

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	For S- and SL- Series Enclosures	Price Each		
			1	10	50
635-PS-11	PS-11	111,112,113	4.24	3.85	3.50
635-PS-13	PS-13	131,132,133	4.82	4.38	3.98
635-PS-15	PS-15	151,152,153,15-S	5.78	5.25	4.78
635-PS-17	PS-17	171,172,173,17-S	6.07	5.52	5.02
635-PS-19	PS-19	191, 192, 193	6.57	6.06	5.59

ADDA DC Brushless Fans

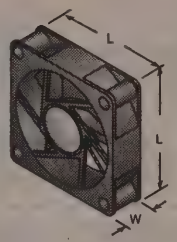
DC BRUSHLESS FANS

Specifications:

- Frame housing and impeller; black PBT per UL94V-0, glass-filled.
- Operating temperature: -10˚C ~+75˚C.
- Life expectancy: 50,000 hours min @ 25˚C, relative humidity by 65˚.
- Lead wire termination
- Storage Temperature: -40˚ to 75˚C
- Motor protection and polarity protection
- **AD0312HB-G50(S)-one ball, one sleeve**
- **AD0412HB-C56-third wire speed sensor (tachometer)**
- **AD0605LB-A72GL-third wire alarm**

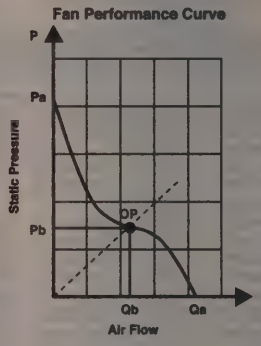
Features:

- All products are tested to stringent 6-Sigma quality in addition to statistical process control.
- ADDA also performs periodic audits on each product to ensure the best quality control.



Standard DC Fan

The FPC (Fan Performance Curve) is measured from the air chamber. The SRC (imaginary System Resistance Curve) must also be measured in the air chamber as it pertains to each application. The intersection of the FPC and SRC is the operating point (OP). Qb and Pb meet the requirement characteristics of the application.



MODEL NUMBERING SCHEME

AD	06	12	H	X	-	A	7	3	GL

Fan type: GL=Low noise; GP=Great performance; Blank=Standard

Motor protective circuit & Third Lead Wire:
0=by impedance; 3=by IC with speed sensor; 7=low speed; A=VS+RD; 1=by IC; 4=by IC with variable speed sensor(VS); 8=VS+FG; B=PWM+FG; 2=by IC with alarm (RD); 6=by transistor with speed sensor(FG); 9=PWM control; C=RD+FG

DC Impeller number: 5=5 blades; 7=7 blades; 9=9 blades; A=11 blades; B=13 blades; C=15 blades; D=17 blades; E=19 blades; F=21 blades; 0=Blower blade shape
AC Lead wire type: T=Terminal; W=Wires

DC: Thickness: A=25mm; B=28mm; C=20mm; D=15mm; E=12mm; F=38mm; G=10mm; J=8mm; L=14mm; H=13mm; P=50mm; K=6mm; Q=7mm; R=9mm; T=11mm; Y=32mm; Z=33mm; S=16mm; M=23mm; N=18mm
AC: Frame material: A=Aluminum alloy; P=Plastic

Bearing Type: X=HYPRO bearing; B= BALL bearing; S=SLEEVE bearing; F=FDB

Speed: D=Ultra Low; L=Low; M=Medium; H=High; U=Ultra high; X=Over Ultra high; V=Maximum high speed

DC Voltage: 03=3VDC; 05=5VDC; 12=12VDC; 24=24VDC; 48=48VDC **AC Voltage:** 1=110~120VAC (115VAC); 2=220~240VAC (230VAC)

DC Frame size: 15=15mm; 20=20mm; 02=25mm; 03=30mm; 35=35mm; 04=40mm; 45=45mm; 05=50mm; 06=60mm; 07=70mm; 08=80mm; 09=92mm; 12=120mm; 17=172mm
AC Frame size: 825=80x80x25mm; 838=80x80x38mm; 925=92x92x25mm; 125=120x120x25mm; 128=120x120x38mm; 178=172x150x38mm; 175=172x150x150mm; 172=172x50mm

AD=Adda Brushless DC fan; AB=Adda Brushless DC Blower; AP=Adda Brushless Chip cooler AQ=Adda Brushless waterproof fan; AW=Adda CPU cooler; AA=Adda Brushless AC fan

Ball Bearing Type

For quantities 100 and up, call for quo

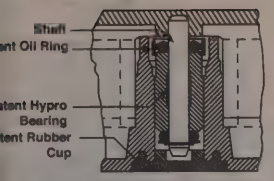
MOUSER STOCK NO.	ADDA Part Number GL = Low Noise	Dim. (mm) L x W	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-D2006LB-12V	AD2012LB-K70	20x6	12	0.72	10500	0.6	19.5	17.08	16.71	15.97	14.85
664-D2506MB-12V	AD0212MB-K50(S)	25x6	12	0.84	12000	2.2	26.0	18.95	18.49	17.66	16.45
664-D2510LB-5V	AD0205LB-G50GL	25x10	5	0.50	8000	1.8	15.6	16.18	15.33	14.48	14.06
664-D3010LB-12V	AD0312LB-G50	30x10	12	0.72	8000	2.1	20.2	14.95	14.30	13.65	13.00
664-D3010DB-12V	AD0312DB-G50GL	30x10	12	0.60	6000	2.5	16.0	14.95	14.30	13.65	13.00
664-AD0312HBG50(S)	AD0312HB-G50(S)	30x10	12	1.32	10500	4.2	30.7	14.95	14.30	13.65	13.00
664-D3506LB-12V	AD3512LB-K70	35x6	12	0.60	6500	3.5	19.0	17.32	16.93	16.17	14.95
664-D4010MB-12V	AD0412MB-G70	40x10	12	0.96	4800	5.7	20.0	11.26	11.02	10.79	10.32
664-D4010HB-12V	AD0412HB-G70	40x10	12	1.20	6000	6.7	25.0	11.26	11.02	10.79	10.32
664-D4010LB-12V	AD0412LB-G70(T)	40x10	12	.84	4200	4.7	14.0	11.26	11.02	10.79	10.32
664-D4015HB-12V	AD0412HB-D50	40x15	12	1.44	8000	9.2	39.3	10.93	10.41	9.89	9.37
664-AD0412HB-D56	AD0412HB-D56	40x15	12	1.44	8000	8.53	39.3	17.48	16.72	15.20	14.06
664-D4020HB-5V	AD0405HB-C50	40x20	5	1.45	7800	9.9	31.9	13.07	12.45	11.83	11.20
664-D4020MB-12V	AD0412MB-C50	40x20	12	0.96	6900	8.5	28.5	10.93	9.89	8.85	8.59
664-D4020HB-12V	AD0412HB-C50	40x20	12	1.20	7800	10.1	31.9	10.93	9.89	8.85	8.59
664-AD0412HB-C56	AD0412HB-C56	40x20	12	1.20	7800	10.1	31.9	13.23	12.65	12.08	11.50
664-D4020HB-24V	AD0424HB-C50	40x20	24	2.16	7800	10.1	31.9	13.34	12.76	12.18	11.60
664-D4510HB-5V	AD4505HB-G70	45x10	5	1.00	5500	9.1	28.6	11.99	10.85	9.71	9.42
664-D5210MB-5V	AD0505MB-G70	50x10	5	0.90	4300	9.0	24.0	12.67	12.12	11.02	10.47
664-AD0512HB-G70	AD0512HB-G70	50x10	12	1.08	5000	11.8	26.0	11.27	10.78	10.29	9.80
664-D5215HB1-12V	AD5012HB-D71	50x15	12	1.20	4600	12.0	28.7	13.77	12.86	11.94	11.02
664-D5215HB1-24V	AD5024HB-D71	50x15	24	1.92	4600	12.0	28.7	14.28	13.77	13.26	10.20
664-D6010HB-G70	AD0612HB-G70	60x10	12	1.68	4200	16.6	32.8	13.14	12.86	12.57	11.43
664-D6015HB1-5V	AD0605HB-D71GL	60x15	5	1.85	4500	15.82	32.4	16.18	15.41	14.64	13.87
664-D6015HB1-12V	AD0612HB-D71GL	60x15	12	1.56	4500	15.82	32.4	11.70	11.36	11.03	10.69
664-D6020HB1-24V	AD0624HB-C71GL	60x20	24	2.16	4500	16.31	29.7	10.91	10.37	9.83	9.28
664-AD0605LB-A72GL	AD0605LB-A72GL	60x25	5	1.10	2500	13.2	16.1	14.95	14.30	13.65	13.00
664-D6025MB-12V	AD0612MB-A70GL	60x25	12	1.68	3500	18.0	24.0	11.02	9.92	9.64	9.09
664-D6025HB-12V	AD0612HB-A70GL	60x25	12	2.76	4500	23.98	32.3	11.02	9.92	9.64	9.09
664-D6025UB1-12V	AD0612UB-A71GL	60x25	12	3.24	5300	28.3	37.0	11.44	10.84	10.23	9.63
664-D6025HB-24V	AD0624HB-A70GL	60x25	24	3.60	4500	23.98	32.3	11.44	10.84	10.23	9.63
664-D8015HB1-24V	AD0824HB-D71	80x15	24	3.12	3200	32.0	33.6	13.99	13.30	12.60	11.90
664-D8020HB-12V	AD0812HB-C70	80x20	12	2.88	3100	29.08	32.4	10.04	9.54	9.03	8.54
664-D8025LB-12V	AD0812LB-A70GL	80x25	12	1.44	2100	28.1	22.5	11.15	8.73	8.48	7.99
664-D8025MB-12V	AD0812MB-A70GL	80x25	12	1.80	2500	33.5	28.3	11.15	8.73	8.48	7.99
664-D8025HB-12V	AD0812HB-A70GL	80x25	12	3.00	3000	40.8	34.4	11.15	8.73	8.48	7.99
664-AD0812LB-A76	AD0812LB-A76GL	80x25	12	1.44	2030	26.2	22.5	11.15	8.73	8.48	7.99
664-AD0812MB-A76	AD0812MB-A76GL	80x25	12	1.80	2440	31.4	28.3	11.15	8.73	8.48	7.99
664-D8025LB-24V	AD0824LB-A70GL	80x25	24	2.16	2100	26.2	22.5	12.32	9.64	9.38	8.84
664-D8025HB-24V	AD0824HB-A70GL	80x25	24	3.84	3100	38.99	35.0	12.32	9.64	9.38	8.84
664-D9225LB-12V	AD0912LB-A70GL	92x25	12	1.56	2050	34.75	25.0	12.50	11.25	11.01	10.01
664-D9225HB-12V	AD0912HB-A70GL	92x25	12	3.00	2900	49.3	35.0	12.50	11.25	11.01	10.01
664-D9225MB-24V	AD0924MB-A70GL	92x25	24	2.88	2400	41.49	32.7	13.77	12.40	12.12	11.02
664-D9225HB-24V	AD0924HB-A70GL	92x25	24	3.60	2900	49.3	35.0	13.77	12.40	12.12	11.02
664-D12025LB1-12V	AD1212LB-A71GL	120x25	12	2.88	1800	72.0	34.4	17.48	16.72	15.20	14.06
664-D12025HB1-12V	AD1212HB-A71GL	120x25	12	4.44	2200	88.7	39.1	17.48	16.72	15.20	14.06
664-D12025HB-12V	AD1212HBY53	120x32	12	4.80	2750	108.00	43.3	24.00	20.00	17.00	14.00
664-AD1212HB-F12V	AD1212HB-F51	120x38	12	6.00	2800	104.80	42.8	24.00	20.00	17.00	14.00
664-D12038MB1-12V	AD1212MB-F51	120x38	12	4.20	2540	94.0	41.0	22.53	21.55	19.59	18.12
664-D12038HB1-24V	AD1224HB-F51	120x38	24	7.68	2800	104.8	42.8	23.70	22.67	20.61	19.06
664-AD1224UB-F52	AD1224UB-F52	120x38	24	9.60	3200	122	48	16.86	14.66	12.83	11.73
664-D12038HB1-48V	AD1248HB-F51	120x38	48	9.60	2800	104.8	42.8	24.87	23.79	21.63	20.01

Sleeve Bearing Type

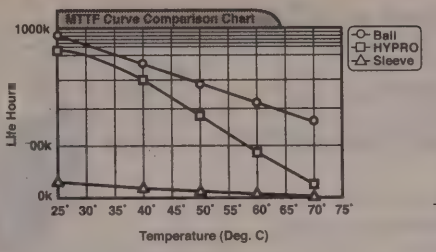
For quantities 100 and up, call for quo

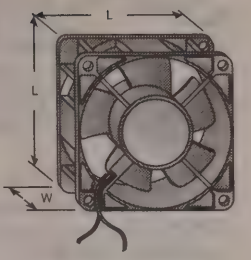
664-D4010MS-12V	AD0412MS-G70	40x10	12	0.96	4200	5.7	20.0	14.25	11.40	9.99	8.55
664-D5210MS-12V	AD0512MS-G90	52x10	12	0.96	3300	8.5	24.9	6.34	6.06	5.79	5.51
664-D6020LS-12V	AD0612LS-C70GL	60x20	12	0.96	3500	13.3	21.6	7.84	7.57	7.30	6.76
664-D6020MS-12V	AD0612MS-C70GL	60x20	12	1.56	3900	14.5	25.7	7.84	7.57	7.30	6.76
664-D6020HS-12V	AD0612HS-C70GL	60x20	12	1.92	4500	16.4	29.7	7.84	7.57	7.30	6.76
664-D6025HS-12V	AD0612HS-A70GL	60x25	12	2.76	4500	23.2	32.3	8.31	7.93	7.55	7.18
664-D8025MS-12V	AD0812MS-A70GL	80x25	12	1.80	2440	31.4	28.3	7.16	5.60	5.45	5.14
664-D8025HS-12V	AD0812HS-A70GL	80x25	12	3.00	3010	38.6	34.4	7.16	5.60	5.45	5.14
664-AD0824HS-A70GL	AD0824HS-A70GL	80x25	24	3.84	3200	40.0	35.0	8.63	8.25	7.50	7.13
664-D9225MS-12V	AD0912MS-A70GL	92x25	12	2.04	2350	43.0	31.0	8.16	7.35	7.19	6.53
664-D9225HS-12V	AD0912HS-A70GL	92x25	12	3.00	2700	50.0	33.7	8.16	7.35	7.19	6.53

ADDA DC and AC Brushless Fans



Adda's patented hypro bearing (hyp) solves the friction problem normally found in sleeve axial bearings. Traditionally the thrust plate floats on a film of oil which rapidly depletes. Sintered alloy bearings draw oil from the cavities to extend the thrust float. Adda's hypro goes beyond this by actually developing a hypro wave in the I.D. bearing center where a recess oil reservoir is located. This center point actually runs cooler than the outer surface of the bearing and promotes cold to hot flow circulation. Adda's oil recirculation method and lubricant seal greatly extends the life of the fan.





Standard DC Fan

ADDA DC BRUSHLESS FANS WITH HYPRO BEARING

tures:

DDA's patented Hypro bearing uses oil recirculation to extend the life of the fan
y more than 50,000 hours versus ball bearing fans.
l products are tested to stringent 6-Sigma quality in addition to statistical process control.
DDA performs periodic audits on each product to ensure the best quality control.

Specifications:

- Frame housing and impeller: Black PBT per UL94V-0, glass-filled
- Operating temperature: -10° C ~ 70° C
- Lead wire termination

GL=Low Noise

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	ADDA Part Number	Dim. (mm) L x W	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
4-D2006LX-5V	AD2005LX-K70	20x6	5	0.50	10500	0.60	19.5	17.83	17.44	16.67	15.50
4-D2006LX-12V	AD2012LX-K70	20x6	12	0.72	10500	0.60	19.5	15.48	15.15	14.47	13.46
4-D2005LX-5V	AD2005LX-G70	20x10	5	0.40	9000	0.60	20.0	17.83	17.44	16.67	15.50
4-D2010LX-12V	AD2012LX-G70	20x10	12	0.72	9000	0.60	20.0	14.14	13.47	12.79	12.49
4-D2506LX-12V	AD0212LX-K50	25x6	12	0.72	9000	1.66	20.5	15.48	15.15	14.47	13.46
4-D2510MX-5V	AD0205MX-G50GL	25x10	5	0.60	10000	2.20	23.1	17.83	17.44	16.67	15.50
4-D2510LX-12V	AD0212LX-G50GL	25x10	12	0.84	8000	1.80	15.6	15.48	15.01	14.47	13.46
4-D3006LX-5V	AD0305LX-K70	30x6	5	0.45	7500	2.55	20.0	15.05	14.64	14.14	12.94
4-D3006LX-12V	AD0312LX-K70	30x6	12	0.72	7500	2.55	20.0	12.50	11.99	11.50	10.75
4-AD0312MXK70(S)	AD0312MX-K70(S)	30X6	12	1.2	9000	3.08	27.9	12.50	11.99	11.50	10.75
4-D3010LX-5V	AD0305LX-G50	30x10	5	0.60	8000	3.21	20.2	14.55	14.10	13.60	12.65
4-D3010MX-5V	AD0305MX-G50	30x10	5	0.65	9000	3.78	28.0	14.55	14.10	13.60	12.65
4-D4006HX-5V	AD0405HX-K90	40x6	5	0.60	6300	5.90	27.0	10.87	10.41	9.93	9.46
4-D4006MX-12V	AD0412MX-K90	40x6	12	0.96	5500	5.16	23.8	8.58	8.21	7.83	7.46
4-D04010MX-5V	AD0405MX-G70	40x10	5	0.55	4800	5.70	20.0	11.26	11.02	10.79	10.32
4-D4010HX-5V	AD0405HX-G70	40x10	5	0.95	6000	6.70	25.0	11.26	11.02	10.79	10.32
4-D4010MX-12V	AD0412MX-G70	40x10	12	0.96	4800	5.70	20.0	8.82	8.63	8.45	8.08
4-D4010HX-12V	AD0412HX-G70	40x10	12	1.20	6000	6.70	25.0	8.82	8.63	8.45	8.08
4-D4010HX-24V	AD0424HX-G70	40x10	24	2.16	6000	6.80	25.0	11.26	11.02	10.79	10.32
4-D4020MX-5V	AD0405MX-C50	40x20	5	0.80	6300	7.80	26.3	10.71	9.69	8.67	8.42
4-D4506MX-5V	AD4505MX-K90	45x6	5	0.60	5000	7.10	25.5	11.61	11.36	11.11	10.10
4-D4505HX-5V	AD4505HX-K90	45x6	5	0.70	6000	9.20	32.6	13.11	12.54	11.97	11.40
4-D4510HX-12V	AD4512HX-G70	45x10	12	1.08	5000	8.30	26.1	8.57	7.76	6.94	6.74
4-D5210HX-12V	AD0512HX-G90	52x10	12	1.08	5000	11.20	26.0	10.10	9.43	8.76	8.08
4-D5215HX1-12V	AD0512HX-D71	52x15	12	1.20	4600	12.00	28.7	10.40	9.71	9.02	8.32
4-D5215HX1-24V	AD0524HX-D71	52x15	24	1.92	4600	12.00	28.7	11.94	11.14	10.35	9.55
4-AD0605MX-D71	AD0605MX-D71GL	60X15	5	1.32	3900	14.08	31.2	15.29	14.63	13.97	13.30
4-D6015HX1-12V	AD0612HX-D71GL	60x15	12	1.56	4500	15.82	33.4	11.61	11.36	10.56	10.01
4-D6020MX-12V	AD0612MX-C70GL	60x20	12	1.56	3900	13.72	26.4	9.62	9.29	8.96	8.29
4-D6020HX-12V	AD0612HX-C70GL	60x20	12	1.92	4500	16.31	31.0	9.62	9.29	8.96	8.29
4-D6020HX-24V	AD0624HX-C70GL	60x20	24	2.16	4500	16.31	31.0	11.09	10.71	10.33	9.57
4-D6025MX-12V	AD0612MX-A70GL	60x25	12	1.68	3500	18.00	27.1	10.09	9.87	9.65	8.77
4-D6025HX-24V	AD0624HX-A70GL	60x25	24	3.60	4500	23.98	33.9	11.26	11.02	10.78	9.80
4-AD0805MX-D71	AD0805MX-D71	80X15	5	1.20	2440	22.4	26.0	14.86	14.21	13.57	12.92
4-D8015MX1-12V	AD0812MX-D71	80x15	12	1.80	2440	22.4	26.0	10.73	10.20	9.66	9.12
4-D8015HX1-12V	AD0812HX-D71	80x15	12	2.28	3200	29.90	33.4	10.73	10.20	9.66	9.12
4-D8025MX-12V	AD0812MX-A70GL	80x25	12	1.80	2500	30.87	28.3	8.57	6.71	6.52	6.15
4-D8025HX-12V	AD0812HX-A70GL	80x25	12	3.00	3100	38.99	34.4	8.57	6.71	6.52	6.15
4-D8025MX-24V	AD0824MX-A70GL	80x25	24	2.40	2500	30.87	28.3	9.74	7.62	7.41	6.99
4-D9225HX-12V	AD0912HX-A70GL	92x25	12	3.00	2900	49.3	35.0	8.16	7.35	7.19	6.98
4-D9225HX2-24V	AD0924HX-A72GL	92x25	24	3.60	2700	50.0	33.7	11.04	10.56	10.08	9.36
4-D9225MX-24V	AD0924MX-A70GL	92x25	24	2.88	2400	41.49	31.0	10.97	9.87	9.65	8.78
4-D12025HX1-12V	AD1212HX-A71GL	120x25	12	4.44	2200	88.11	39.1	14.92	14.25	12.96	11.93

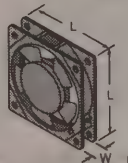
ADDA AC BRUSHLESS FANS

atures:

All products are tested to stringent 6-Sigma quality in addition to statistical process control
ADDA also performs periodic audits on each product to ensure the best quality control

Specifications:

- Frame: aluminum with black PBT (UL94V-0) glass-filled impeller
- Operating temperature: -10°C ~ -70°C
- Termination: "-AT" suffix - terminals
  "-AW" suffix - lead wires



Standard AC Fan

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	ADDA Part Number	Dim. (mm) L x W	VAC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
ypro Bearing											
64-A8038MXT-230	AA8382MX-AT	80x38	230	6.8	2300	24.3	25.3	12.24	11.63	11.02	10.71
all Bearing											
64-A8038MBT-110	AA8381MB-AT	80x38	115	5.42	2300	24.3	25.3	14.08	13.38	12.67	12.32
64-AA8381HB-AT	AA8381HB-AT	80x38	115	8.98	2300	24.0	25.3	14.08	13.38	12.67	12.32
64-AA8382HB-AT	AA8382HB-AT	80x38	230	8.80	2300	24.0	25.3	14.08	13.38	12.67	12.32
64-A9225MBT-230	AA9252MB-AT	92x25	230	16.10	1900	27.5	21.1	14.08	13.38	12.67	12.32
64-A12038MBT-110	AA1281MB-AT	120x38	115	15.80	2500	80.0	40.0	14.08	13.38	12.67	12.32
64-AA1281HB-AW	AA1281HB-AW	120X38	115	16.30	2400	92.6	43.5	14.08	13.38	12.67	12.32
64-A12038HBT-110	AA1281HB-AT	120x38	115	16.30	2600	86.3	42.2	14.08	13.38	12.67	12.32
64-A12038UBT-110	AA1281UB-AT	120x38	115	28.66	2500	97.0	46.4	14.08	13.38	12.67	12.32
64-A12038UBW-110	AA1281UB-AW	120x38	115	25.82	2500	100.2	45.8	14.08	13.38	12.67	12.32
64-A12038HBT-230	AA1282HB-AT	120x38	230	16.00	2600	86.3	42.2	14.08	13.38	12.67	12.32
64-AA1751HB-AT	AA1751HB-AT	172X150X50	115	59.6	2700	194.6	52.3	31.17	29.81	28.46	27.10
64-AA1751HB-AW	AA1751HB-AW	172X150X50	115	59.6	2700	194.6	52.3	31.17	29.81	28.46	27.10

ADDA DC Blowers and Chip Coolers

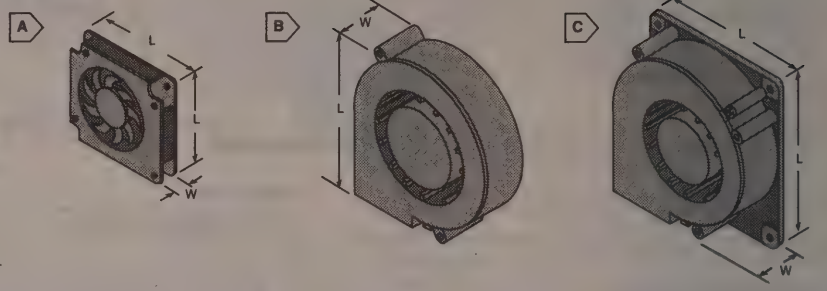
DC AND MINI BLOWERS

Specifications for DC Blowers:
- Lower start-up voltage and power consumption.
- Current automatically shut-down protection and restart function.
- Special pulse width modulation design option available.
- Patent back-incline blades design for high airflow efficiency with less noise.
- Excellent wind tunnel design with stable and reliable rotation.
- Lead wire termination

Specifications for Mini Blowers:
- High sensitivity, high torque.
- Patented blade design with higher static pressure and less noise.
- Lead wire termination

Applications for DC Blowers:
- PC and communication field.

Applications for Mini Blowers:
- Specially designed for notebooks.



Ball Bearing Mini Blowers

For quantities 100 and up, call for quo

MOUSER STOCK NO.	ADDA Part Number	Fig.	Dim. (mm) L x W	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AB3505LB-QB0	AB3505LB-QB0(S)	A	35X7	5	0.50	5500	1.0	19.0	23.12	22.11	21.11	20.10

Hypro Bearing Blowers

For quantities 100 and up, call for quo

MOUSER STOCK NO.	ADDA Part Number	Fig.	Dim. (mm) L x W	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AD7512HX	AD7512HX	B	75X30	12	2.88	3000	9.11	38.5	20.40	19.72	18.36	17.00
664-AD2512HX	AD2512HX	C	120X32	12	7.80	2500	31.40	51.0	22.50	21.75	20.25	18.75

Ball Bearing Blowers

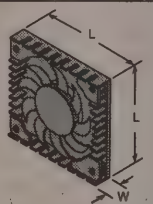
For quantities 100 and up, call for quo

MOUSER STOCK NO.	ADDA Part Number	Fig.	Dim. (mm) L x W	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AD7512LB	AD7512LB	B	75X30	12	1.32	2200	6.5	29.0	22.65	21.90	20.39	18.88
664-AD7512MB	AD7512MB	B	75X30	12	1.80	2600	7.8	34.9	22.65	21.90	20.39	18.88
664-AD7512HB	AD7512HB	B	75X30	12	2.88	3000	9.11	38.5	23.70	22.91	21.33	19.75
664-AD7524LB	AD7524LB	B	75X30	24	1.92	2200	6.5	29.0	25.20	24.36	22.68	21.00
664-AD7524MB	AD7524MB	B	75X30	24	3.36	2600	7.8	34.9	25.20	24.36	22.68	21.00
664-AD7524HB	AD7524HB	B	75X30	24	3.84	3000	9.11	38.5	25.20	24.36	22.68	21.00
664-AD2512LB	AD2512LB	C	120X32	12	1.80	1200	13.64	34.3	26.85	25.96	24.17	22.38
664-AD2512HB	AD2512HB	C	120X32	12	7.80	2500	25.2	51.0	26.85	25.96	24.17	22.38
664-AD2524MB	AD2524MB	C	120X32	24	9.60	2300	28.6	51.1	28.35	27.41	25.52	23.63
664-AD2524HB	AD2524HB	C	120X32	24	10.32	2500	31.4	51.0	28.35	27.41	25.52	23.63

CHIP COOLERS

Specifications:
- Optimum aerodynamic design.
- Lower thermal resistance, higher dissipating efficiency.
- Slim profile applications in small space.

Applications:
- Designed to dissipate the heat of a VGA chip or other small heat sources.
- Comes with 4 pin connector and thermal adhesive.



Hypro Bearing

For quantities 100 and up, call for quo

MOUSER STOCK NO.	ADDA Part Number	Dim. (mm) L x W	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AP4505LX-J90	AP4505LX-J90-4P-TA	45X8	5	0.35	4500	4.2	19.5	21.75	21.03	19.58	18.13
664-AP4505MX-J90	AP4505MX-J90-4P-TA	45X8	5	0.45	5500	5.2	23.8	21.75	21.03	19.58	18.13
664-AP4505HX-J90	AP4505HX-J90-4P-TA	45X8	5	0.60	6200	6.0	30.0	21.75	21.03	19.58	18.13
664-AP4512MX-J90	AP4512MX-J90-4P-TA	45X8	12	0.96	5500	5.2	23.8	18.75	18.13	16.88	15.63
664-AP4512HX-J90	AP4512HX-J90-4P-TA	45X8	12	0.96	6200	6.0	30.0	18.75	18.13	16.88	15.63
664-AP4505MX-G90	AP4505MX-G90-4P-TA	45X10	5	0.45	5800	5.5	25.0	19.95	19.29	17.96	16.63
664-AP4512MX-G90	AP4512MX-G90-4P-TA	45X8	12	0.72	5800	5.5	25.0	12.50	11.25	10.00	8.38
664-AP0505MX-J90	AP0505MX-J90-4P-TA	50X8	5	0.60	5000	7.1	25.5	20.85	20.16	18.77	17.38
664-AP0505HX-J90	AP0505HX-J90-4P-TA	50X8	5	0.70	6300	9.2	32.6	20.85	20.16	18.77	17.38
664-AP0512LX-J90	AP0512LX-J90-4P-TA	50X8	12	0.96	4300	6.2	23.0	17.85	17.26	16.07	14.88
664-AP0512MX-J90	AP0512MX-J90-4P-TA	50X8	12	1.08	5000	7.1	25.5	17.85	17.26	16.07	14.88
664-AP0512HX-J90	AP0512HX-J90-4P-TA	50X8	12	1.20	6300	9.2	32.6	17.85	17.26	16.07	14.88

Hypro Bearing with 3rd wire speed sensor (Tachometer)

For quantities 100 and up, call for quo

MOUSER STOCK NO.	ADDA Part Number	Dim. (mm) L x W	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AP4512MX-J96	AP4512MX-J96-4P-TA	45X8	12	0.72	5500	5.2	23.8	20.10	19.43	18.09	16.75
664-AP4505MX-G96	AP4505MX-G96-4P-TA	45X10	5	0.45	5800	5.5	25.0	21.30	20.59	19.17	17.75

One Ball, One Sleeve

For quantities 100 and up, call for quo

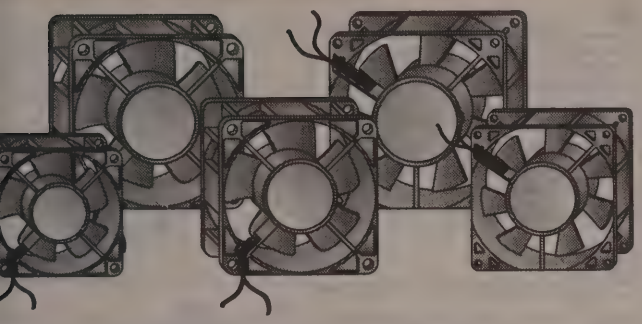
MOUSER STOCK NO.	ADDA Part Number	Dim. (mm) L x W	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AP0512HB-J90(S)	AP0512HB-J90(S)-4P-TA	50X8	12	1.20	6600	9.5	33.0	18.60	17.98	16.74	15.50

One Ball, One Sleeve with 3rd wire speed sensor (Tachometer)

For quantities 100 and up, call for quo

MOUSER STOCK NO.	ADDA Part Number	Dim. (mm) L x W	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AP0512HB-J96(S)	AP0512HB-J96(S)-4P-TA	50X8	12	1.20	6600	9.5	33.0	18.60	17.98	16.74	15.50

BI-SONIC Tubeaxial Fans and Accessories



AC TUBEAXIAL FANS

onstruction:
Die-cast aluminum housing
Shaded pole motor
Impedance protected
Metal impeller

Operating Temperature:
- Ball bearing: -30°C to +75°C
- Sleeve bearing: -10°C to +70°C

0 x 80 x 38mm

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Volts (AC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each 1	10	25
33-3E-115B-20	115	12" Leads	Ball	110	9	21	26	15.15	14.54	13.94
33-3E-115S-20	115	12" Leads	Sleeve	110	9	21	26	12.25	11.76	11.27
33-3E-115B-25	115	12" Leads	Ball	120	9	26	31	15.15	14.54	13.94
33-3E-115B-28	115	12" Leads	Ball	120	10	29	37	15.15	14.54	13.94
33-3E-115B	115	12" Leads	Ball	130	10	32	34	15.15	14.54	13.94
33-3E-115S	115	12" Leads	Sleeve	130	10	32	34	12.25	11.76	11.27
33-3E-230B	230	12" Leads	Ball	75	12	32	34	15.15	14.54	13.94

2 x 92 x 25mm

MOUSER STOCK NO.	Volts (AC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each 1	10	25
33-9P-115HB	115	Fastons	Ball	140	14	34	41	12.50	12.00	11.50
33-9P-115HS	115	Fastons	Sleeve	140	14	34	41	10.65	10.20	9.78
33-9P-230HB	230	Fastons	Ball	70	14	34	41	12.50	12.00	11.50

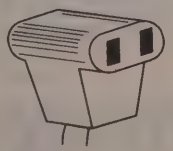
19 x 119 x 38mm

MOUSER STOCK NO.	Volts (AC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each 1	10	25
33-4E-115B-17	115	12" Leads	Ball	200	19	55	35	15.15	14.54	13.94
33-4E-115B-21L	115	12" Leads	Ball	220	20	65	38	15.15	14.54	13.94
33-4E-115B-25	115	12" Leads	Ball	230	21	78	42	15.15	14.54	13.94
33-4E-115B-L	115	12" Leads	Ball	240	22	105	50	15.15	14.54	13.94
33-4E-115S	115	12" Leads	Sleeve	240	22	105	50	12.25	11.76	11.27
33-4E-115B-17F	115	Fastons	Ball	200	19	55	35	15.15	14.54	13.94
33-4E-115S-17	115	Fastons	Sleeve	200	19	55	35	12.25	11.76	11.27
33-4E-115B-21F	115	Fastons	Ball	220	20	65	38	15.15	14.54	13.94
33-4E-115B-25F	115	Fastons	Ball	230	21	78	42	15.15	14.54	13.94
33-4E-230B-25	230	Fastons	Ball	120	20	78	42	15.15	14.54	13.94
33-4E-230B	230	Fastons	Ball	130	21	105	50	15.15	14.54	13.94
33-4E-230S	230	Fastons	Sleeve	130	21	105	50	12.25	11.76	11.27

AC FAN POWER CORD

esigned for use with the Bi-Sonic AC tubeaxial fans. Can be used with all AC fans using .110" x .020" Faston rminals with .3125" spacing. In 24" length with convenient T-type mounting receptacle.

pecifications:
Cord type: SPT 1
Temperature rating: 105°C max.
Tab size: fits .110" x .020"
fastons with .3125" tab spacing



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For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Length (In.)	AWG	Termination	Price Each 1	10	25
433-1C-9T-4E	24	18	T-type	1.78	1.57	1.43

DC BRUSHLESS FANS

Construction:
- Glass fiber reinforced plastic
- Impeller and housing PBT are UL 94V-0 rated

Operating Temperature:
- Ball bearing: -30°C to +75°C
- Sleeve bearing: -10°C to +70°C

Insulation Resistance:
- 10mΩ min. / 500VDC between frame and terminal

Dielectric Strength:
- 5mA max. / 500VAC 60Hz for 1 minute between frame and terminal

25 x 25 x 7mm

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Volts (DC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each 1	10	25
433-BP250705H	5	12" Leads	Ball	80	0.4	2.12	31	9.00	8.50	7.95
433-BP250712H	12	12" Leads	Ball	80	0.96	2.83	41	9.00	8.50	7.95

40 x 40 x 7mm

433-BP400705H	5	12" Leads	Ball	150	0.75	6.70	28	9.00	8.50	7.95
433-BP400712H	12	12" Leads	Ball	150	1.8	6.91	29	9.00	8.50	7.95

40 x 40 x 10mm

433-BP401012H	12	12" Leads	Ball	80	0.96	7.70	29	8.50	8.10	7.55
433-SP401012H	12	12" Leads	Sleeve	80	0.96	7.70	29	7.20	6.48	5.84

40 x 40 x 20mm

433-BP402005H	5	12" Leads	Ball	250	1.25	7.09	31	8.50	8.10	7.55
433-BP402012M	12	12" Leads	Ball	90	1.08	7.09	27	8.50	8.10	7.55
433-SP402012M	12	12" Leads	Sleeve	90	1.08	7.09	27	7.20	6.48	5.84
433-BP402012H	12	12" Leads	Ball	100	1.2	8.53	31	8.50	8.10	7.55
433-SP402012H	12	12" Leads	Sleeve	100	1.2	8.53	31	7.20	6.48	5.84
433-BP402024H	24	12" Leads	Ball	90	2.16	8.53	31	8.50	8.10	7.55
433-SP402024H	24	12" Leads	Sleeve	90	2.16	8.53	31	7.20	6.48	5.84

50 x 50 x 10mm

433-BP501012H	12	12" Leads	Ball	160	1.92	12.21	32	8.50	8.10	7.55
433-SP501012H	12	12" Leads	Sleeve	160	1.92	12.21	32	7.20	6.48	5.84

60 x 60 x 15mm

433-BP601512M	12	12" Leads	Ball	150	1.8	20.22	28.7	8.50	8.10	7.55
433-BP601512H	12	12" Leads	Ball	180	2.16	22.40	32.3	8.50	8.10	7.55

60 x 60 x 25mm

433-BP602512L	12	12" Leads	Ball	90	1.08	12.80	23	8.50	8.10	7.55
433-BP602512M	12	12" Leads	Ball	110	1.32	16.70	25	8.50	8.10	7.55
433-BP602512H	12	12" Leads	Ball	130	1.56	19.50	30	8.50	8.10	7.55
433-BP602524L	24	12" Leads	Ball	80	1.92	12.80	23	8.50	8.10	7.55
433-BP602524M	24	12" Leads	Ball	100	2.4	16.70	25	8.50	8.10	7.55
433-BP602524H	24	12" Leads	Ball	120	2.88	19.20	30	8.50	8.10	7.55

80 x 80 x 25mm

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Volts (DC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each 1	10	25
433-BP802512L	12	12" Leads	Ball	120	1.44	30.0	24	8.50	8.10	7.55
433-BP802512M	12	12" Leads	Ball	160	1.92	37.0	30	8.50	8.10	7.55
433-SP802512M	12	12" Leads	Sleeve	160	1.92	37.0	30	7.20	6.48	5.84
433-BP802512H	12	12" Leads	Ball	200	2.4	44.0	35	8.50	8.10	7.55
433-BP802524L	24	12" Leads	Ball	90	2.16	30.0	24	8.50	8.10	7.55
433-BP802524M	24	12" Leads	Ball	110	2.64	37.0	30	8.50	8.10	7.55
433-BP802524H	24	12" Leads	Ball	130	3.12	44.0	35	8.50	8.10	7.55

92 x 92 x 25mm

433-BP922512L	12	12" Leads	Ball	160	1.92	41.5	28	9.00	8.47	8.10
433-BP922512M	12	12" Leads	Ball	200	2.4	50.5	34	9.00	8.47	8.10
433-BP922512H	12	12" Leads	Ball	320	3.84	58.7	38	9.00	8.47	8.10
433-BP922524L	24	12" Leads	Ball	100	2.4	41.5	28	9.00	8.47	8.10
433-BP922524H	24	12" Leads	Ball	180	4.32	58.7	38	9.00	8.47	8.10

120 x 120 x 25mm

433-BP1202512L	12	12" Leads	Ball	140	1.68	61.4	38	13.00	12.00	11.25
433-BP1202512M	12	12" Leads	Ball	250	3.0	74.5	44	13.00	12.00	11.25
433-BP1202512H	12	12" Leads	Ball	360	4.32	88.3	48	13.00	12.00	11.25
433-BP1202524L	24	12" Leads	Ball	100	2.4	61.4	38	13.00	12.00	11.25
433-BP1202524M	24	12" Leads	Ball	180	4.32	74.5	44	13.00	12.00	11.25
433-BP1202524H	24	12" Leads	Ball	240	5.76	88.3	49	13.00	12.00	11.25

8000N SERIES: AC FANS

• Metal housing and impeller • Termination: 12.2" leads • Note: 8500DP has a 5 year warranty.

For quantities 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	10	25	50
Ball Bearing													
5912—	8506N	A	80x38	115 VAC	36	11.0	3300	35	95	41.50	36.81	31.95	29.25
Sintec Bearing													
5912—	8800N	A	80x38	115 VAC	28	11.0	2500	28	70	33.78	29.97	26.01	23.81
5912—	8500DP	A	80x38	115 VAC	36	11.0	3200	34	75	38.11	33.81	29.34	26.86
5912—	8500N	A	80x38	115 VAC	36	11.0	3200	34	75	30.04	26.65	23.13	21.18
5912—	8550N	A	80x38	230 VAC	36	11.0	3200	34	75	32.50	28.83	25.02	22.91

3900 SERIES: AC FANS

• Metal housing • Plastic impeller and terminals • Termination: 0.110" Terminals

For quantities 100 and up, call for quote.

Ball Bearing													
5912—	3906	B	92x25	115 VAC	41	9.0	3150	40	80	37.64	33.39	28.98	26.53
5912—	3956	B	92x25	230 VAC	41	9.0	3150	40	80	37.64	33.39	28.98	26.53
Sintec Bearing													
5912—	3900	B	92x25	115 VAC	41	9.0	3150	40	80	33.78	29.97	26.01	23.81

3600 SERIES: AC FANS

• Metal housing, impeller, and leads • Termination: 12.2" leads

For quantities 100 and up, call for quote.

Ball Bearing													
5912—	3606	A	92x38	115 VAC	44	11.0	3200	42	75	46.06	40.86	35.46	32.47
5912—	3656	A	92x38	230 VAC	41	12.0	2700	37	75	46.06	40.86	35.46	32.47
Sintec Bearing													
5912—	3600	A	92x38	115 VAC	52	11.0	3100	41	65	42.67	37.85	32.85	30.08

9900 SERIES: AC FANS

• Metal housing • Plastic impeller and terminals • Termination: 0.110" Terminals

For quantities 100 and up, call for quote.

Ball Bearing													
5912—	9906	B	119x25	115 VAC	79	12.0	2850	42	70	42.20	37.44	32.49	29.75
5912—	9956	B	119x25	230 VAC	79	12.0	2450	42	70	40.68	36.09	31.32	28.68
Sintec Bearing													
5912—	9900	B	119x25	115 VAC	79	12.0	2850	42	70	37.17	32.98	28.62	26.20

4600X SERIES: AC FANS

• Metal housing and impeller • Termination: 0.118" terminals • Note: 4600XP has a 5 year warranty.

For quantities 100 and up, call for quote.

Ball Bearing													
5912—	4606X	A	119x38	115 VAC	106	18.0	3100	51	90	44.66	39.61	34.38	31.48
5912—	4656X	A	119x38	230 VAC	106	18.0	3100	51	90	42.20	37.44	32.49	29.75
Sintec Bearing													
5912—	4600X	A	119x38	115 VAC	106	18.0	3100	50	60	28.87	25.61	22.23	20.35
5912—	4600XP	A	119x38	115 VAC	106	18.0	3100	50	60	38.58	34.22	29.70	27.19
5912—	4650X	A	119x38	230 VAC	106	18.0	3100	50	60	32.26	28.62	24.84	22.74
5912—	4800X	A	119x38	115 VAC	57	9.0	1750	32	75	39.16	34.74	30.15	27.60

5900 SERIES: AC FANS

• Metal housing • Plastic impeller • Termination: 0.110" terminals • Ball bearing

For quantities 100 and up, call for quote.

5912—	5908	B	127x38	115 VAC	121	17.0	3100	47	75	51.32	45.52	39.51	36.17

5600 SERIES: AC FANS

• Metal housing, impeller, and terminals • Termination: 0.110" terminals • Ball bearing

For quantities 100 and up, call for quote.

5912—	5606S	B	135x38	115 VAC	159	26.0	3100	50	80	77.62	68.60	59.76	54.71

W2E142 SERIES: AC FANS

• Metal housing, impeller, and terminals • Termination: 0.110" terminals • Ball bearing

For quantities 100 and up, call for quote.

5912—	W2E142-BB05-01	C	150x172x38	115 VAC	230	24.0	3300	57	80	95.27	84.52	73.35	67.16
5912—	W2E142-BB01-01	C	150x172x38	230 VAC	230	28.0	3300	57	80	95.27	84.52	73.35	67.16

W2S130 SERIES: AC FANS

• Metal housing and impeller • Ball bearing • Termination: 13.3" leads

For quantities 100 and up, call for quote.

5912—	W2S130-AA25-01	D	150x172x55	115 VAC	225	38.0	3250	52	80	71.54	63.46	55.08	50.43
5912—	W2S130-AA03-49	D	150x172x55	115/230 VAC	225	38.0	3250	52	70	81.36	72.18	62.64	57.35
5912—	W2S130-BM15-01	D	150x172x55	115 VAC	263	46.0	3050	60	70	71.54	63.46	55.08	50.43
5912—	W2S130-BM03-01	D	150x172x55	230 VAC	250	46.0	3050	60	70	71.54	63.46	55.08	50.43

W2E143 SERIES: AC FANS

• Metal housing and impeller • Permanent split capacitor motor and terminals • Termination: 0.110" terminals • Ball bearing

For quantities 100 and up, call for quote.

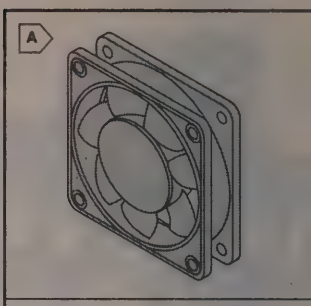
5912—	W2E143-AA15-01	E	172x51	115 VAC	260	26.0	3300	58	70	99.60	88.35	76.68	70.20
5912—	W2E143-AB09-01	E	172x51	230 VAC	295	29.0	3300	58	75	99.60	88.35	76.68	70.20
5912—	W2E143-AB15-01	E	172x51	115 VAC	295	29.0	3300	58	75	99.60	88.35	76.68	70.20

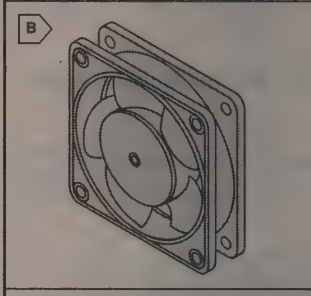
W2E200H SERIES: AC FANS

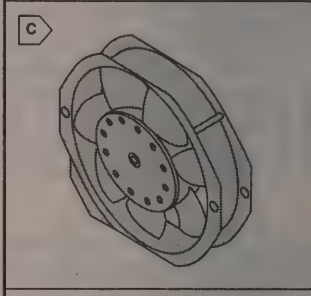
• Metal housing, impeller, and terminal block • Termination: terminal strip • Ball bearing

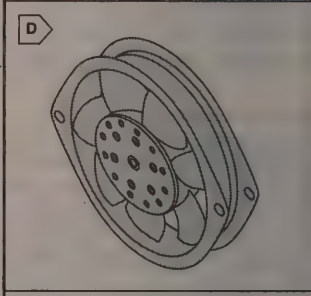
For quantities 100 and up, call for quote.

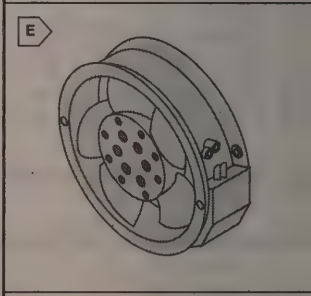
5912—	W2E200-HH38-01	F	225x80	230 VAC	607	80.0	2800	61	75	144.25	136.11	127.97	111.06

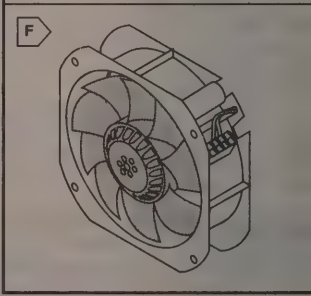












30 SERIES: DC BRUSHLESS FANS

Plastic housing and impeller • Termination: 6.3" leads • Sintec Bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	10	25	50
412—255N	A	25 x 8	5 VDC	1.9	0.4	9000	15	70	17.89	15.87	13.77	12.61
412—255H	A	25 x 8	5 VDC	2.6	0.6	12000	28	55	22.33	19.81	17.19	15.74
412—252N	A	25 x 8	12 VDC	1.9	0.5	9000	15	70	17.89	15.87	13.77	12.61

30 SERIES: DC MICRO BRUSHLESS FANS

Plastic fan and impeller • Sintec Bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	10	25	50
412—312H	B	30 x 15	12	5.5	0.9	11500	-	85	25.00	23.99	21.86	18.93

40F SERIES: DC BRUSHLESS FANS

Plastic housing and impeller • Termination: 12.2" leads • Sintec Bearing

For quantities 100 and up, call for quote.

Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	1	10	25	50
4412—405F	A	40 x 10	5 VDC	4.7	0.7	5400	22	70	13.68	12.13	10.53	9.64
4412—405FH	A	40 x 10	5 VDC	5.3	0.7	6000	26	70	23.17	20.56	17.84	16.33
4412—412FM	A	40 x 10	12 VDC	3.5	0.6	4300	17	70	12.63	11.20	9.72	8.90
4412—412F	A	40 x 10	12 VDC	4.7	0.7	5400	22	70	12.16	10.78	9.36	8.57
4412—412FH	A	40 x 10	12 VDC	5.3	0.8	6000	26	70	12.39	10.99	9.54	8.73
4412—414F	A	40 x 10	24 VDC	4.7	0.8	5400	22	70	12.74	11.30	9.81	8.98

40 SERIES: DC BRUSHLESS FANS

Plastic housing and impeller • Termination: 12.2" leads • Sintec Bearing

For quantities 100 and up, call for quote.

Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	1	10	25	50
4412—405	C	40 x 20	5 VDC	5.9	0.9	6000	18	70	16.02	14.21	12.33	11.29
4412—412	C	40 x 20	12 VDC	5.9	1.0	6000	18	70	13.56	12.03	10.44	9.56
4412—412H	C	40 x 20	12 VDC	8.0	1.6	8100	29	60	18.12	16.07	13.95	12.77
4412—414	C	40 x 20	24 VDC	5.9	1.0	6000	18	70	14.03	12.44	10.80	9.89
4412—414H	C	40 x 20	24 VDC	8.0	1.6	8100	29	60	18.94	16.80	14.58	13.35

40JHH SERIES: DC BRUSHLESS FANS

Plastic housing • Termination: 12.2" leads • Ball Bearing

For quantities 100 and up, call for quote.

Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	1	10	25	50
4412—412JHH	C	40 x 25	12 VDC	14.0	3.3	13000	46	60	34.25	30.38	26.37	24.14
4412—414JHH	C	40 x 25	24 VDC	14.0	3.6	13000	46	60	34.25	30.38	26.37	24.14

40F SERIES: DC BRUSHLESS FANS

Plastic housing and impeller • Termination: 12.2" leads • Sintec Bearing

For quantities 100 and up, call for quote.

Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	1	10	25	50
4412—512F	A	50 x 15	12 VDC	12.0	1.0	5000	30	70	15.66	13.90	12.06	11.04
4412—514F	A	50 x 15	24 VDC	12.0	1.0	5000	30	70	15.66	13.90	12.06	11.04

40F SERIES: DC BRUSHLESS FANS

Plastic housing and impeller • Termination: 12.2" leads • Sintec Bearing

For quantities 100 and up, call for quote.

Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	1	10	25	50
4412—605F	A	60 x 15	5 VDC	17.0	1.1	4000	27	50	18.46	16.38	14.21	13.01
4412—612FL	A	60 x 15	12 VDC	7.0	0.4	2650	16	70	20.93	18.56	16.11	14.75
4412—612F	A	60 x 15	12 VDC	17.0	1.1	3900	27	70	15.08	13.38	11.61	10.63
4412—612FH	A	60 x 15	12 VDC	20.0	1.4	4500	31	60	21.86	19.39	16.83	15.41
4412—614F	A	60 x 15	24 VDC	17.0	1.1	3900	27	70	16.83	14.93	12.96	11.87

60 SERIES: DC BRUSHLESS FANS

Plastic housing and impeller • Termination: 12.2" leads

For quantities 100 and up, call for quote.

Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	1	10	25	50
Ball Bearing												
4912—605L	A	60 x 25	5 VDC	12.0	0.8	3000	26	65	26.54	23.54	20.43	18.70
4912—612L	A	60 x 25	12 VDC	12.0	0.7	3000	26	65	26.77	23.75	20.61	18.87
4912—612M	A	60 x 25	12 VDC	18.0	1.3	4100	33	65	26.77	23.75	20.61	18.87
4912—512NM	A	60 x 25	12 VDC	20.0	1.1	4100	28	70	27.35	24.27	21.06	19.28
4912—612	A	60 x 25	12 VDC	24.0	2.5	5300	40	65	26.77	23.75	20.61	18.87
4912—612NN	A	60 x 25	12 VDC	24.0	1.6	5100	35	70	27.35	24.27	21.06	19.28
4912—612NHH	A	60 x 25	12 VDC	27.0	3.0	6850	41	70	27.35	24.27	21.06	19.28
4912—614L	A	60 x 25	24 VDC	12.0	0.8	3000	26	65	26.77	23.75	20.61	18.87
4912—614M	A	60 x 25	24 VDC	18.0	1.4	4100	33	65	26.77	23.75	20.61	18.87
4912—614	A	60 x 25	24 VDC	24.0	2.5	5300	40	65	26.77	23.75	20.61	18.87
4912—614H	A	60 x 25	24 VDC	27.0	3.4	6400	44	65	28.76	25.51	22.14	20.27
Sintec Bearing												
4912—614NGHH	A	60 x 25	24 VDC	33.0	3.8	6850	43	70	20.93	18.56	16.11	14.75

60J SERIES: DC BRUSHLESS FANS

NEW FROM SUPPLIER

Plastic housing and impeller • Termination: 12.2" Leads • Ball Bearing

For quantities 100 and up, call for quote.

Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	1	10	25	50
4912—612JH	E	60 x 32	12	41.1	7.7	7.7	53	70	37.31	35.34	34.14	33.02
4912—614JH	E	60 x 32	24	41.1	-	-	53	70	37.31	35.34	34.14	33.02
4912—618JH	E	60 x 32	48	41.1	-	-	53	70	37.31	35.34	34.14	33.02

62 SERIES: DC BRUSHLESS FANS

PBTP housing, PA impeller • Fan of fiberglass reinforced plastic • Ball Bearing

For quantities 100 and up, call for quote.

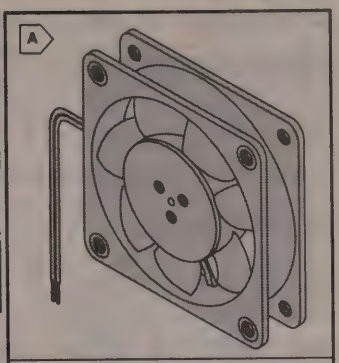
Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	1	10	25	50
4912—622L	D	60 x 25	12 VDC	12.4	0.53	3200	22	70	31.45	27.90	24.21	22.17
4912—622M	D	60 x 25	12 VDC	17.7	0.95	4550	29	70	31.45	27.90	24.21	22.17
4912—622HH	D	60 x 25	12 VDC	33	3.5	8200	43	70	31.45	27.90	24.21	22.17
4912—624H	D	60 x 25	24 VDC	27.1	2.4	6850	39	70	31.45	27.90	24.21	22.17
4912—624HH	D	60 x 25	24 VDC	33	3.6	8200	43	70	31.45	27.90	24.21	22.17

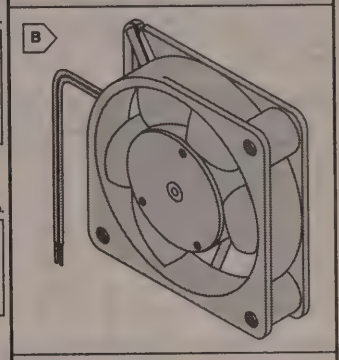
70F SERIES: DC BRUSHLESS FANS

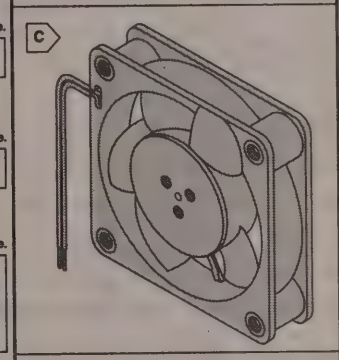
Fully integrated commutation electronics • Termination: 12.2" leads • Sintec Bearing

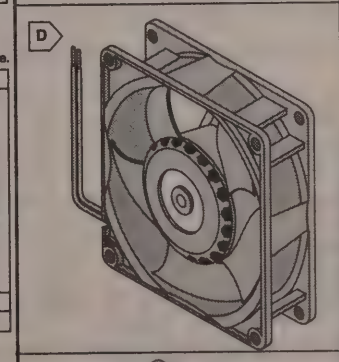
For quantities 100 and up, call for quote.

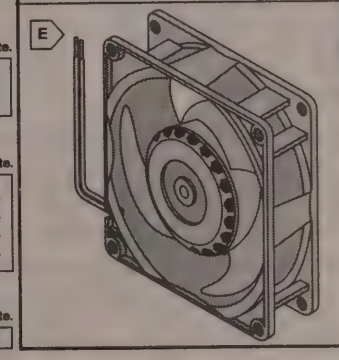
Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	1	10	25	50
4912—712F	A	70 x 15	12 VDC	25.9	1.7	5300	36	70	29.11	25.82	22.41	20.52











8200J SERIES: DC BRUSHLESS FANS

• Plastic housing and impeller • Termination: 12.2" leads • Ball Bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Voltage Range	Noise dB(A)	Max Temp. (°C)	Price Each			
Mfr.	Mfr. Part No.									1	10	25	50
5912—8212JN		A	80x38	12 VDC	77.7	10	7 - 13.8	55	70	42.88	40.62	39.24	37.96
5912—8214JN		A	80x38	12 VDC	77.7	10	18 - 26.4	55	70	42.88	40.62	39.24	37.96

8400N SERIES: DC BRUSHLESS FANS

• Plastic housing and impeller • Termination: 12.2" leads • Ball Bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Price Each			
Mfr.	Mfr. Part No.									1	10	25	50
5912—8412NL		B	80x25	12 VDC	19.0	0.6	1500	17	70	23.96	21.26	18.45	16.89
5912—8412NM		B	80x25	12 VDC	34.0	1.3	2600	27	70	23.96	21.26	18.45	16.89
5912—8412N		B	80x25	12 VDC	41.0	2.0	3100	32	70	23.96	21.26	18.45	16.89

8400 SERIES: DC BRUSHLESS FANS

• Plastic housing and impeller • Termination: 12.2" leads • Ball Bearing

For quantities 100 and up, call for quote.

5912—8412		B	80x25	12 VDC	33.0	2.4	3150	35	75	23.50	20.84	18.09	16.56
5912—8414		B	80x25	24 VDC	33.0	2.4	3150	35	75	23.50	20.84	18.09	16.56

8100/8300 SERIES: DC BRUSHLESS FANS

• Metal housing and impeller • Termination: 12.2" leads • Ball Bearing

For quantities 100 and up, call for quote.

5912—8312L		C	80x32	12 VDC	19	1.0	2000	24	75	30.63	27.17	23.58	21.59
5912—8312		C	80x32	12 VDC	32	2.2	3300	36	75	30.63	27.17	23.58	21.59
5912—8312HL		C	80x32	12 VDC	39	4.0	4200	43	75	39.04	34.64	30.06	27.52
5912—8314L		C	80x32	24 VDC	19	1.0	2000	24	75	30.63	27.17	23.58	21.59
5912—8314M		C	80x32	24 VDC	28	2.1	3000	34	75	30.63	27.17	23.58	21.59
5912—8314		C	80x32	24 VDC	32	2.5	3300	36	75	30.63	27.17	23.58	21.59
5912—8314H		C	80x32	24 VDC	47	6.0	5000	48	75	30.98	27.48	23.85	21.84
5912—8318		C	80x32	48 VDC	32	2.6	3300	36	75	29.81	26.44	22.95	21.01
5912—8124K		C	80x38	24 VDC	35	3.0	3450	39	72	62.66	55.58	48.24	44.17

3400 SERIES: DC BRUSHLESS FANS

• Plastic housing and impeller • Termination: 12.2" leads • Ball Bearing

For quantities 100 and up, call for quote.

5912—3412L		B	92x25	12 VDC	36	1.3	2200	27	75	24.43	21.67	18.18	17.22
5912—3412M		B	92x25	12 VDC	42	1.8	2650	32	75	24.43	21.67	18.18	17.22
5912—3412		B	92x25	12 VDC	49	2.4	3050	36	75	24.43	21.67	18.18	17.22
5912—3414L		B	92x25	24 VDC	36	1.4	2200	27	75	24.43	21.67	18.18	17.22
5912—3414M		B	92x25	24 VDC	42	1.8	2650	32	75	24.43	21.67	18.18	17.22
5912—3414		B	92x25	24 VDC	49	2.6	3050	36	75	24.43	21.67	18.18	17.22
5912—3414H		B	92x25	24 VDC	55	3.8	3400	39	75	26.19	23.23	20.16	18.46

3300 SERIES: DC BRUSHLESS FANS

• Plastic housing and impeller • Termination: 12.2" leads • Ball Bearing

For quantities 100 and up, call for quote.

5912—3312		C	92x32	12 VDC	47	2.4	3000	37	75	30.98	27.48	23.85	21.84
5912—3314		C	92x32	24 VDC	47	2.4	3000	37	75	30.98	27.48	23.85	21.84

3200J SERIES: DC BRUSHLESS FANS

• Plastic fan and impeller • Sintec Bearing

For quantities 100 and up, call for quote.

5912—3212J		D	92x38	12	76.5	7.5	6000	51	70	47.93	42.52	36.90	33.79

4400F SERIES: DC BRUSHLESS FANS

• Plastic housing and impeller • Termination: 12.2" leads • Ball Bearing

For quantities 100 and up, call for quote.

5912—4412FM		B	119x25	12 VDC	82	3.2	2400	38	75	28.52	25.30	21.96	20.11
5912—4412F		B	119x25	12 VDC	100	5.0	2900	43	75	31.33	27.79	24.12	22.08
5912—4414FM		B	119x25	24 VDC	82	3.2	2400	38	75	30.04	26.65	23.13	21.18
5912—4414F		B	119x25	24 VDC	100	5.0	2900	43	75	32.15	28.52	24.75	22.66

4300 SERIES: DC BRUSHLESS FANS

• Plastic housing and impeller • Termination: 12.2" leads • Ball Bearing

For quantities 100 and up, call for quote.

5912—4312L		C	119x32	12 VDC	56	1.2	1550	30	75	30.28	26.86	23.31	21.34
5912—4312		C	119x32	12 VDC	100	5.0	2800	45	75	30.98	27.48	23.85	21.84
5912—4314M		C	119x32	24 VDC	82	2.6	2300	39	75	30.98	27.48	23.85	21.84
5912—4314		C	119x32	24 VDC	100	5.0	2800	45	75	30.98	27.48	23.85	21.84

4200 SERIES: DC BRUSHLESS FANS

• Plastic housing and impeller • Termination: 12.2" leads • Ball Bearing

For quantities 100 and up, call for quote.

5912—4212		C	119x38	12 VDC	97	4.3	3050	45	75	39.16	34.74	30.15	27.60
5912—4214L		C	119x38	24 VDC	51	1.2	1600	29	75	39.16	34.74	30.15	27.60
5912—4214		C	119x38	24 VDC	97	4.3	3050	45	75	39.16	34.74	30.15	27.60

4100N SERIES: DC BRUSHLESS FANS

• Metal housing and plastic impeller • Termination: 0.110" terminals • Ball Bearing

For quantities 100 and up, call for quote.

5912—4182NX		C	119x38	12 VDC	106	4.5	3200	49	75	51.32	45.52	39.51	36.17
5912—4184NX		C	119x38	24 VDC	106	4.5	3200	49	75	51.32	45.52	39.51	36.17
5912—4184NXH		C	119x38	24 VDC	139	11.0	4400	59	55	57.98	51.44	44.64	40.87

5200N SERIES: DC BRUSHLESS FANS

• Plastic housing and impeller • Termination: 12.2" leads • Ball Bearing

For quantities 100 and up, call for quote.

5912—5214NM		C	127x38	24 VDC	110	4.6	2750	43	75	47.34	42.00	36.45	33.37
5912—5214NH		C	127x38	24 VDC	148	9.8	3650	51	70	63.13	56.00	48.60	44.50

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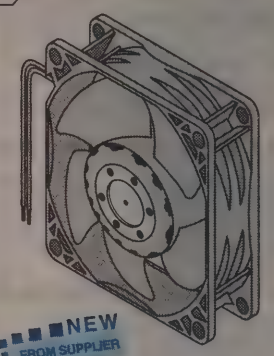

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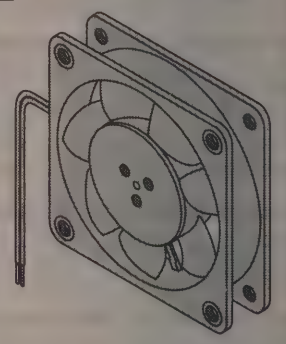

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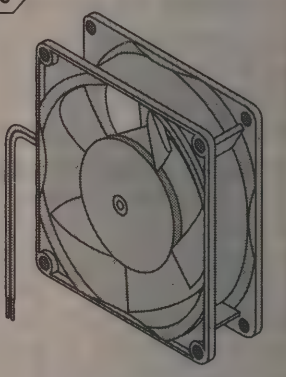

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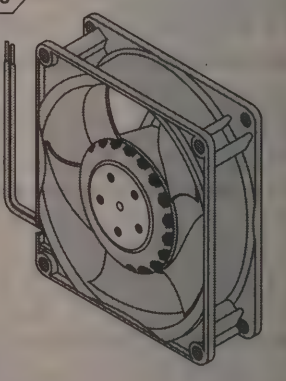

400 SERIES: DC BRUSHLESS FANS

Metal housing and plastic impeller • Termination: 0.118" terminals • Ball Bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	10	25	50
912—6412M	A	150x172x51	12 VDC	206	12.0	2850	52	72	85.50	79.72	75.00	72.00
912—6424	A	150x172x51	24 VDC	241	18.0	3400	57	72	57.87	55.59	53.89	52.14

200N SERIES: DC BRUSHLESS FANS

Metal housing and plastic impeller • Termination: 0.118" terminals • Ball Bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	10	25	50
912—6212NM	B	172 x 51	12 VDC	206	12.0	2850	50	72	76.91	74.45	72.25	70.00
912—6224N	B	172 x 51	24 VDC	241	18.0	3400	55	72	82.53	73.21	63.54	58.17

DV4100 SERIES: DC BRUSHLESS FANS

Metal fan housing • Plastic impeller • Ball Bearing

For quantities 50 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	5	10	25
912—DV4112	C	119 x 38	12	162	21	6000	60	65	96.50	91.75	89.50	84.43
912—DV4114	C	119 x 38	24	162	21	6000	60	65	96.50	91.75	89.50	84.43
912—DV4118	C	119 x 38	48	162	21	6000	60	65	91.20	86.10	82.99	79.80

DV5200 SERIES: DC BRUSHLESS FANS

Metal fan housing • Plastic impeller • Ball Bearing

For quantities 50 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	5	10	25
912—DV5212	D	127 x 38	12	159	20	5000	56	65	108.60	105.00	100.00	95.02
912—DV5214	D	127 x 38	24	159	20	5000	56	65	104.60	100.00	96.25	91.52
912—DV5218	D	127 x 38	48	159	22	5000	56	65	109.80	106.00	101.00	96.05

DV6200 SERIES: DC BRUSHLESS FANS

Metal fan housing • Plastic impeller • Ball Bearing

For quantities 50 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	5	10	25
912—DV6224	E	172 x 51	24	318	37	4300	63	75	115.40	110.75	106.00	100.95
912—DV6248	E	172 x 51	48	318	37	4300	63	75	115.40	110.75	106.00	100.95

RL48DC SERIES: DC FLATPAK RADIAL BLOWERS

Plastic Spiral housing and blower • Curve: 2 • Ball Bearing

For quantities 50 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	5	10	25
912—RL48-19/12	F	76 x 27	12	16.5	5	4400	51	70	40.33	35.78	31.05	28.43
912—RL48-19/14	F	76 x 27	24	16.5	5	4400	51	70	40.33	35.78	31.05	28.43

RLF100 SERIES: DC FLATPAK RADIAL BLOWERS

Plastic housing and blower wheel • Curve: 2 • Ball Bearing

For quantities 50 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	5	10	25
912—RLF100-11/12	G	127 x 25	12	37.7	8	5100	60	75.0	72.20	69.85	66.95	63.17
912—RLF100-11/14	G	127 x 25	24	37.7	8	5100	60	75.0	72.20	69.85	66.95	63.17
912—RLF100-11/18	G	127 x 25	48	37.7	8	5100	60	75.0	75.00	71.99	68.75	65.62

RL65 SERIES: DC RADIAL BLOWER

Plastic Spiral housing and blower • Curve: 1 • Ball Bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO. / Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	5	25	50
912—RL65-21	H	97 x 33	12	32.4	12.5	4600	6.4	-20 + 70	49.12	45.00	37.62	34.48

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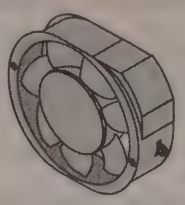

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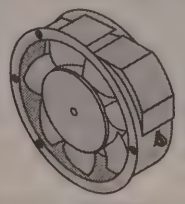

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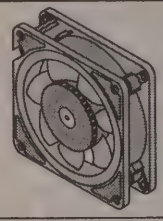

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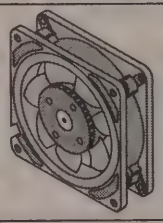

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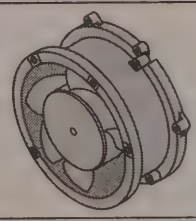

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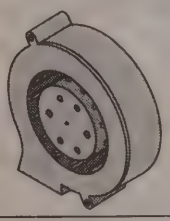

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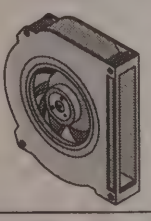


H

EBM-PAPST Flatpaks and Motorized Impellers

RL90DC SERIES: DC FLATPAK IMPELLERS/BLOWERS

- DC brushless motor • Mounts in any position for pressurizing or evacuating • Termination: 12.2" leads • Ball bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	10	25	50
5912	RL90-18/14N	A	121 Sq x 37 mm	24 VDC	24	5.0	2500	58	75	59.62	52.89	45.90	42.02

RL90AC SERIES: AC FLATPAK IMPELLERS/BLOWERS

- Shallow depth
- Mounts in any position for pressurizing, evacuating or spot cooling • Termination: 12.2" leads • Sintec bearing

For quantities 100 and up, call for quote.

5912	RL90-18/00	A	121 Sq x 37 mm	115 VAC	25	20.0	2550	60	60	52.14	46.25	40.14	36.75

RG90AC SERIES: AC FLATPAK IMPELLERS/BLOWERS

- Shallow depth
- Mounts in any position for pressurizing, evacuating or spot cooling • Termination: 13.4" leads • Ball bearing

For quantities 100 and up, call for quote.

5912	RG90-18/06	B	135 Sq x 38 mm	115 VAC	28	22.0	1900	60	65	50.73	46.47	44.19	41.98

RG125AC SERIES: AC FLATPAK IMPELLERS/BLOWERS

- Shallow depth
- Mounts in any position for pressurizing, evacuating or spot cooling • Termination: 12.2" leads • Ball bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	10	25	50
5912	RG125-19/06	C	180 Sq x 40 mm	115 VAC	55	19.0	2750	60	80	65.93	58.49	50.76	46.47

RG160AC SERIES: AC FLATPAK IMPELLERS/BLOWERS

- Shallow depth
- Mounts in any position for pressurizing, evacuating or spot cooling • Termination: 12.8" leads • Ball bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	10	25	50
5912	RG160-28/06S	D	220 Sq x 56 mm	115 VAC	131	50.0	3050	69	80	112.11	99.45	86.31	79.02

RER100DC SERIES: DC MOTORIZED IMPELLERS

- DC brushless • Termination: 12.2" leads • Plastic impeller • Ball bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	10	25	50
5912	RER100-25/12	E	100 Rnd x 32 mm	12 VDC	34	4.0	1800	47	60	34.37	30.49	26.46	24.23
5912	RER100-25/14	E	100 Rnd x 32 mm	24 VDC	34	4.0	1800	47	60	34.37	30.49	26.46	24.23

R1G133 SERIES: DC MOTORIZED IMPELLERS

- DC brushless • Termination: 17.7" leads • Recommended inlet ring 9566-2-4013 • Ball bearing

For quantities 100 and up, call for quote.

5912	R1G133-AA17-02	F	133 Rnd x 60 mm	24 VDC	212	28.0	3900	63	60	176.67	166.78	161.97	156.91
5912	R1G133-AA65-02	F	133 Rnd x 60 mm	48 VDC	212	28.0	3900	63	60	198.50	176.08	152.82	139.92

RER125DC SERIES: DC MOTORIZED IMPELLERS

- DC brushless • Termination: 15.7" leads • Ball bearing

For quantities 100 and up, call for quote.

5912	RER125-19/12N	F	138 Rnd x 35 mm	12 VDC	65	4.5	2850	57	75	48.32	45.00	40.77	38.12
5912	RER125-19/14N	F	138 Rnd x 35 mm	24 VDC	65	4.5	2600	57	75	54.48	48.32	41.94	38.40
5912	RER125-19/06	F	138 Rnd x 40 mm	115 VAC	68	18.0	2850	65	70	56.00	49.67	43.11	39.47

RER160DC SERIES: DC MOTORIZED IMPELLERS

- DC brushless • Termination: 16.7" leads • Ball bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	10	25	50
5912	RER160-28/12N	F	176 Rnd x 54 mm	12 VDC	141	19	3050	68	70	82.44	75.48	66.32	61.69

R1G175 SERIES: DC BACKWARD CURVED MOTORIZED IMPELLERS

- Plastic impeller • Ball bearing • Termination: 17.7" leads

For quantities 100 and up, call for quote.

5912	R1G175-AB63-02	F	175 RND x 58	24 VDC	330	36	3100	65	60	190.00	161.35	146.77	136.99
5912	R1G175-AB41-02	F	175 RND x 58	48 VDC	330	36	3100	65	60	190.00	161.35	146.77	136.99

RER160AC SERIES: AC MOTORIZED IMPELLERS

- Termination: 16.7" leads • Ball bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dim. (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (Deg C)	Price Each 1	10	25	50
5912	RER160-28/06S	F	176 Rnd x 54 mm	115 VAC	161	46.0	3250	68	70	94.10	83.48	72.45	66.33

R2E220 SERIES: AC MOTORIZED IMPELLERS

- Termination: 17.7" leads • Ball bearing • Recommended inlet ring 9609-2-4013

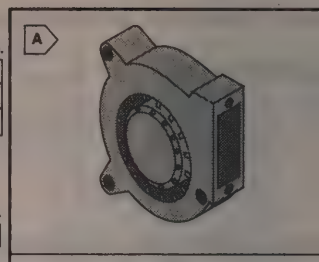
For quantities 100 and up, call for quote.

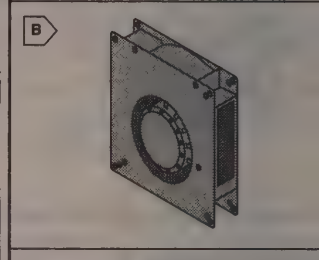
5912	R2E220-AA44-23	F	220 Rnd x 71 mm	115 VAC	500	96.0	2700	70	40	95.27	84.52	73.35	67.16

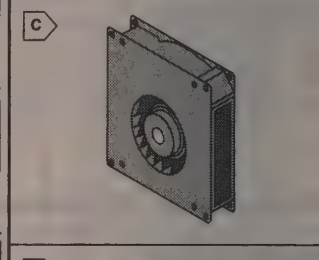
ACCESSORIES-INLET RINGS

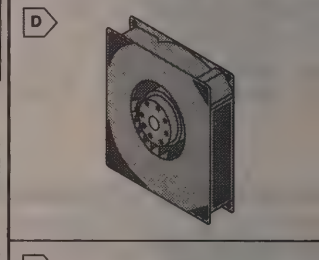
For quantities 50 and up, call for quote.

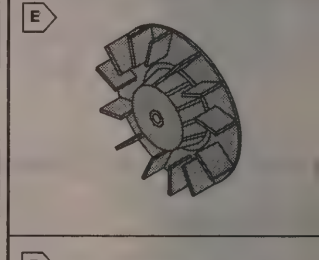
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Impeller Number	Dimensions (In.) Max. A	B	C	Price Each 1	10	25
5912	9566-2-4013	G	133	5308	3.43	0.51	7.55	7.10	6.89
5912	9588-2-4013	G	175, 180, 190	7.28	5.12	0.67	7.63	6.87	6.48
5912	9609-2-4013	G	220	9.96	6.1	0.79	11.35	10.40	9.89

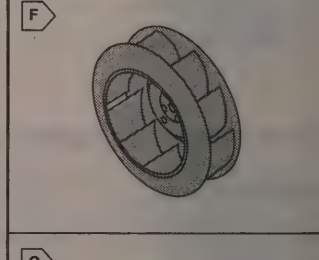


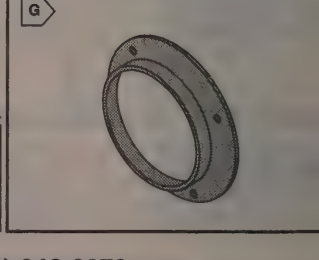












ORION AC and DC Fans and Blowers

ORION DC FANS

For quantities of 100 and up, call for quote.

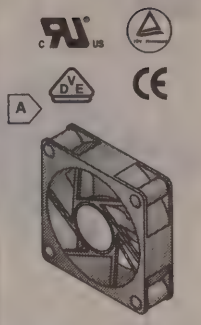
MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions (mm)	Bearing Type	Termination	V	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each 1	10	25	50
670-OD251005HB	OD2510-05HB	A	25x10	Ball	Wire Leads	5	.12A	1.3	18	9000	13.00	12.24	11.70	10.92
670-OD251012HB	OD2510-12HB	A	25x10	Ball	Wire Leads	12	.07A	1.4	21	13000	13.00	12.24	11.70	10.92
670-OD401005HB	OD4010-05HB	A	40x10	Ball	Wire Leads	5	.10A	4.8	31	7000	9.00	8.47	8.10	7.56
670-OD401012HB	OD4010-12HB	A	40x10	Ball	Wire Leads	12	.07A	5	31	8000	9.00	8.47	8.10	7.56
670-OD401024HB	OD4010-24HB	A	40x10	Ball	Wire Leads	24	.06A	5	31	8000	9.00	8.47	8.10	7.56
670-OD402005HB	OD4020-05HB	A	40x20	Ball	Wire Leads	5	.12A	7	30	6000	9.00	8.47	8.10	7.56
670-OD402012HB	OD4020-12HB	A	40x20	Ball	Wire Leads	12	.08A	7.5	30	7000	9.00	8.47	8.10	7.56
670-OD402012HS	OD4020-12HS	A	40x20	Sleeve	Wire Leads	12	.08A	7.5	30	7000	8.00	7.56	7.20	6.72
670-OD402024HB	OD4020-24HB	A	40x20	Ball	Wire Leads	24	.06A	7.5	30	7000	9.00	8.47	8.10	7.56
670-OD521012HB	OD5210-12HB	A	52x10	Ball	Wire Leads	12	.15A	10	29	6000	9.00	8.47	8.10	7.56
670-OD601512HB	OD6015-12HB	A	60x15	Ball	Wire Leads	12	.13A	17	29	4000	9.00	8.47	8.10	7.56
670-OD602505HB	OD6025-05HB	A	60x25	Ball	Wire Leads	5	.24A	20	26	2800	9.00	8.47	8.10	7.56
670-OD602512HB	OD6025-12HB	A	60x25	Ball	Wire Leads	12	.15A	25	30	3800	9.00	8.47	8.10	7.56
670-OD602512HS	OD6025-12HS	A	60x25	Sleeve	Wire Leads	12	.15A	25	30	3800	8.00	7.56	7.20	6.72
670-OD602512MB	OD6025-12MB	A	60x25	Ball	Wire Leads	12	.12A	17	25	3000	9.00	8.47	8.10	7.56
670-OD602512LB	OD6025-12LB	A	60x25	Ball	Wire Leads	12	.08A	14	20	2500	9.00	8.47	8.10	7.56
670-OD602524HB	OD6025-24HB	A	60x25	Ball	Wire Leads	24	.12A	25	30	3800	9.00	8.47	8.10	7.56
670-OD802512HB	OD8025-12HB	A	80x25	Ball	Wire Leads	12	.18A	40	33	3300	9.00	8.47	8.10	7.56
670-OD802512HS	OD8025-12HS	A	80x25	Sleeve	Wire Leads	12	.18A	40	33	3300	8.00	7.56	7.20	6.72
670-OD802512MB	OD8025-12MB	A	80x25	Ball	Wire Leads	12	.15A	32	28	2800	9.00	8.47	8.10	7.56
670-OD802512LB	OD8025-12LB	A	80x25	Ball	Wire Leads	12	.12A	22	21	2000	9.00	8.47	8.10	7.56
670-OD802524HB	OD8025-24HB	A	80x25	Ball	Wire Leads	24	.12A	40	33	3300	9.00	8.47	8.10	7.56
670-OD803212HB	OD8032-12HB	A	80x32	Ball	Wire Leads	12	.55A	42	40	4800	12.00	11.52	10.80	10.08
670-OD803248HB	OD8032-48HB	A	80x32	Ball	Wire Leads	48	.53A	26	31	4800	14.00	13.44	12.60	11.76
670-OD922512HB	OD9225-12HB	A	92x25	Ball	Wire Leads	12	.29A	50	33	2800	10.00	9.42	9.00	8.40
670-OD922512HS	OD9225-12HS	A	92x25	Sleeve	Wire Leads	12	.29A	50	33	2800	9.00	8.47	8.10	7.56
670-OD922512LB	OD9225-12LB	A	92x25	Ball	Wire Leads	12	.12A	25	23	1800	10.00	9.42	9.00	8.40
670-OD922524HB	OD9225-24HB	A	92x25	Ball	Wire Leads	24	.18A	50	33	3000	10.00	9.42	9.00	8.40
670-OD122512MB	OD1225PT-12MWB	A	120x25	Ball	Wire Leads	12	.35A	70	35	2500	14.50	13.65	13.05	12.18
670-OD122512HB	OD1225PT-12HWB	A	120x25	Ball	Wire Leads	12	.45A	86	42	3000	14.50	13.65	13.05	12.18
670-OD122524HB	OD1225PT-24HWB	A	120x25	Ball	Wire Leads	24	.23A	86	42	3000	14.50	13.65	13.05	12.18
670-OD123212HB	OD1232-12HB	A	120x32	Ball	Wire Leads	12	.60A	120	48	3550	15.00	14.40	13.50	12.60
670-OD123224HB	OD1232-24HB	A	120x32	Ball	Wire Leads	24	.40A	120	48	3550	15.00	14.40	13.50	12.60
670-OD123248HB	OD1232-48HB	A	120x32	Ball	Wire Leads	48	.23A	120	48	3550	20.00	19.20	18.00	16.80
670-OD123812HTB	OD1238PT-12HTB	A	120x38	Ball	Terminal	12	.50A	108	43	3100	16.00	15.06	14.40	13.44
670-OD123812HB	OD1238PT-12HWB	A	120x38	Ball	Wire Leads	12	.50A	108	43	3100	16.00	15.06	14.40	13.44
670-OD123812MB	OD1238PT-12MWB	A	120x38	Ball	Wire Leads	12	.40A	88	33	2500	16.00	15.06	14.40	13.44
670-OD123812LB	OD1238PT-12LWB	A	120x38	Ball	Wire Leads	12	.16A	60	26	2000	16.00	15.06	14.40	13.44
670-OD123824HTB	OD1238PT-24HTB	A	120x38	Ball	Terminal	24	.26A	108	43	3000	16.00	15.06	14.40	13.44
670-OD172SAP12HB	OD172SAP-12HWB	B	172x150x51	Ball	Wire Leads	12	1.6A	220	50	3700	55.00	51.78	49.50	46.20
670-OD172SAP24HB	OD172SAP-24HWB	B	172x150x51	Ball	Wire Leads	24	.95A	220	50	3700	55.00	51.78	49.50	46.20
DC Blower														
670-ODB600PT12HB	ODB600PT-12HB	F	120x31	Ball	Wire Leads	12	.60A	35	49	3000	23.50	22.56	21.15	19.74

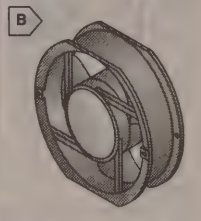
ORION AC FANS

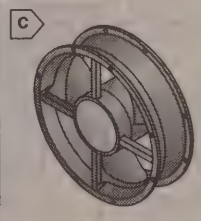
* Reverse flow, (AIOS)

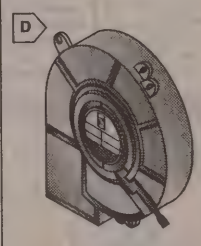
For quantities of 100 and up, call for quote.

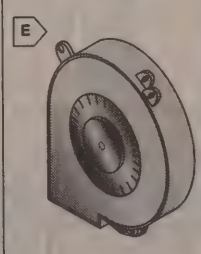
670-OA825AP111TB	OA825AP-11-1TB	A	80x25	Ball	Terminal	115	9W	25	28	3000	12.00	11.30	10.80	10.08
670-OA825AP111WB	OA825AP-11-1WB	A	80x25	Ball	Wire Leads	115	9W	25	28	3000	12.00	11.30	10.80	10.08
670-OA825AP221TB	OA825AP-22-1TB	A	80x25	Ball	Terminal	230	9W	25	28	3000	12.00	11.30	10.80	10.08
670-OA825AP221WB	OA825AP-22-1WB	A	80x25	Ball	Wire Leads	230	9W	25	28	3000	12.00	11.30	10.80	10.08
670-OA80AP111TB	OA80AP-11-1TB	A	80x38	Ball	Terminal	115	12W	31	29	3000	12.00	11.30	10.80	10.08
670-OA80AP111WB	OA80AP-11-1WB	A	80x38	Ball	Wire Leads	115	12W	31	29	3000	12.00	11.30	10.80	10.08
670-OA80AP221TB	OA80AP-22-1TB	A	80x38	Ball	Terminal	230	12W	31	29	3000	12.00	11.30	10.80	10.08
670-OA80AP221WB	OA80AP-22-1WB	A	80x38	Ball	Wire Leads	230	12W	31	29	3000	12.00	11.30	10.80	10.08
670-OA92AP111TB	OA92AP-11-1TB	A	92x25	Ball	Terminal	115	13W	35	30	3000	13.00	12.24	11.70	10.92
670-OA92AP111WB	OA92AP-11-1WB	A	92x25	Ball	Wire Leads	115	13W	35	30	3000	13.00	12.24	11.70	10.92
670-OA92AP221TB	OA92AP-22-1TB	A	92x25	Ball	Terminal	230	13W	35	30	3000	13.00	12.24	11.70	10.92
670-OA92AP221WB	OA92AP-22-1WB	A	92x25	Ball	Wire Leads	230	13W	35	30	3000	13.00	12.24	11.70	10.92
670-OA938AP111TB	OA938AP-11-1TB	A	92x38	Ball	Terminal	115	9W	50	32	3100	13.50	12.71	12.15	11.34
670-OA938AP111WB	OA938AP-11-1WB	A	92x38	Ball	Wire Leads	115	9W	50	32	3100	13.50	12.71	12.15	11.34
670-OA938AP221WB	OA938AP-22-1WB	A	92x38	Ball	Wire Leads	230	9W	50	32	3100	13.50	12.71	12.15	11.34
670-OA125AP111TB	OA125AP-11-1TB	A	120x25	Ball	Terminal	115	13W	81	33	2900	13.50	12.71	12.15	11.34
670-OA125AP111WB	OA125AP-11-1WB	A	120x25	Ball	Wire Leads	115	13W	81	33	2900	13.50	12.71	12.15	11.34
670-OA125AP221TB	OA125AP-22-1TB	A	120x25	Ball	Terminal	230	13W	81	33	2900	13.50	12.71	12.15	11.34
670-OA109AP111TB	OA109AP-11-1TB	A	120x38	Ball	Terminal	115	15W	110	37	3000	13.50	12.71	12.15	11.34
670-OA109AP111TS	OA109AP-11-1TS	A	120x38	Sleeve	Terminal	115	15W	110	37	3000	13.50	12.71	12.15	11.34
670-OA109AP111WB	OA109AP-11-1WB	A	120x38	Ball	Wire Leads	115	15W	110	37	3000	13.50	12.71	12.15	11.34
670-OA109AP221TB	OA109AP-22-1TB	A	120x38	Ball	Terminal	230	15W	110	37	3000	13.50	12.71	12.15	11.34
670-OA109AP221WB	OA109AP-22-1WB	A	120x38	Ball	Wire Leads	230	15W	110	37	3000	13.50	12.71	12.15	11.34
670-OA109AP111TBR	OA109AP-11-1TBR	A	120x38	Ball	Terminal	115	15W	118	47	3100	13.50	12.71	12.15	11.34
670-OA109AP112TBR	OA109AP-11-2TBR	A	120x38	Ball	Terminal	115	15W	110	47	3000	13.50	12.71	12.15	11.34
670-OA109AP221TBR	OA109AP-22-1TBR	A	120x38	Ball	Terminal	230	15W	118	47	3100	13.50	12.71	12.15	11.34
*670-OA119AP111TB	OA119AP-11-1TB	A	127x38	Ball	Terminal	115	12W	130	48	3000	24.50	23.07	22.05	20.58
*670-OA119AP111WB	OA119AP-11-1WB	A	127x38	Ball	Wire Leads	115	12W	130	48	3000	24.50	23.07	22.05	20.58
*670-OA119AP221TB	OA119AP-22-1TB	A	127x38	Ball	Terminal	230	12W	130	48	3000	24.50	23.07	22.05	20.58
670-OA119AP221WB	OA119AP-22-1WB	A	127x38	Ball	Wire Leads	230	12W	130	48	3000	24.50	23.07	22.05	20.58
670-OA180AP111TB	OA180AP-11-1TB	A	178x89	Ball	Terminal	115	70W	460	60	3200	62.00	57.35	55.18	52.70
670-OA180AP111WB	OA180AP-11-1WB	A	178x89	Ball	Wire Leads	115	70W	460	60	3200	62.00	57.35	55.18	52.70
670-OA180AP221TB	OA180AP-22-1TB	A	178x89	Ball	Terminal	220	70W	460	60	3200	62.00	57.35	55.18	52.70
670-OA180AP221WB	OA180AP-22-1WB	A	178x89	Ball	Wire Leads	220	70W	460	60	3200	62.00	57.35	55.18	52.70
670-OA172SAPL111TB	OA172SAPL-11-1TB	B	172x150x38	Ball	Terminal	115	28W	220	58	3400	37.00	34.84	33.30	31.08
670-OA172SAPL221TB	OA172SAPL-22-1TB	B	172x150x38	Ball	Terminal	230	28W	220	58	3400	37.00	34.84	33.30	31.08
670-OA172SAP111TB	OA172SAP-11-1TB	B	172x150x51	Ball	Terminal	115	35W	235	46	3500	38.00	36.22	34.20	31.92
670-OA172SAP111WB	OA172SAP-11-1WB	B	172x150x51	Ball	Wire Leads	115	35W	235	46	3500	38.00	36.22	34.20	31.92
670-OA172SAP221TB	OA172SAP-22-1TB	B	172x150x51	Ball	Terminal	230	35W	235	46	3500	38.00	36.22	34.20	31.92
670-OA172SAP221WB	OA172SAP-22-1WB	B	172x150x51	Ball	Wire Leads	230	35W	235	46	3500	38.00	36.22	34.20	31.92
670-OA254AP111TB	OA254AP-11-1TB	C	254x89	Ball	Terminal	120	35W	547	55	1650	56.75	53.43	51.08	47.67
670-OA254AP221TB	OA254AP-22-1TB	C	254x89	Ball	Terminal	230	35W	547	55	1650	56.75	53.43	51.08	47.67
AC Blowers														
670-OAB800AN111B	OAB800AN-11-1B	D	126x40	Ball	Wire Leads	115	18W	30	48	2800	23.00	22.08	20.70	19.32
670-OAB908AN1112	OAB908AN-11-1/2	E	190x70	Ball	Wire Leads	115/230	65W	250	68	3100	79.50	76.32	71.55	66.78

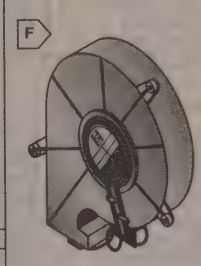






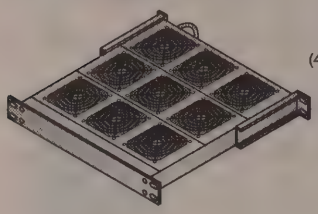




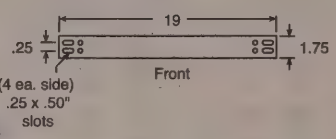


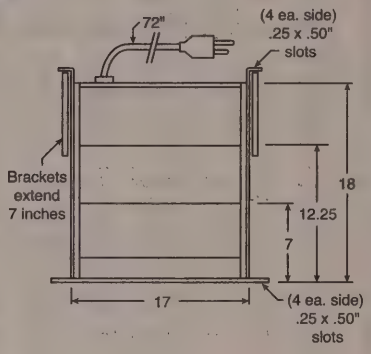
ORION Fan Trays and Fan Accessories

THERMALCARE™ FAN TRAY ASSEMBLIES



DIMENSIONS (IN.)





Features:

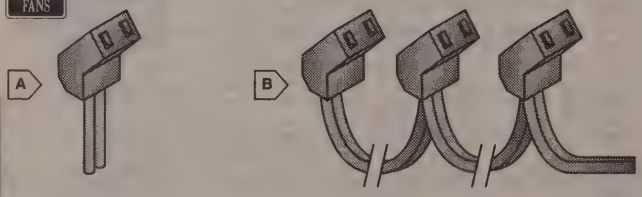
- Life expectancy: 60,000 hour ball bearing fans
- Hardware: E-Z mount clip nuts and hardware to facilitate rapid installation
- Configuration: "Add A Module" feature permits the easy addition of up to 6 fans to the basic 3 fan tray should more cooling be required
- Frame: Heavy duty steel construction with extruded aluminum side rails to facilitate changes in fan configuration
- Options: "Short Tray" configurations available with dual voltage selector and lighted on/off rocker

For quantities 10 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Voltage	Air Flow (CFM)	Price Each	
				1	5
670-OA300	OA300	115VAC	330	175.00	150.00
670-OA900	OA900	115VAC	990	375.00	350.00
670-OD30048	OD300-48	48VDC	330	195.00	183.60

ORION FAN Trays are available from stock as 3 position, 6 position or 9 position units.
330CFM = 3 fans installed 660CFM = 6 fans installed 990CFM = 9 fans installed
Ultra-quiet fan trays are available with medium or low speed fans substituted for high speed fans (minimums may apply).

FAN CORDS



For use with Orion AC/DC fans with terminal type termination.

45° Single Connector

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Lead length (IN.)	Price Each			
				1	25	50	100
670-C4512	C45-12	A	12	1.25	1.13	1.05	.98
670-C4524	C45-24	A	24	1.40	1.26	1.18	1.09
670-C4536	C45-36	A	36	1.58	1.49	1.39	1.29
670-C4548	C45-48	A	48	1.90	1.79	1.63	1.50
* 670-C4548P	C45-48P	A	48	3.25	3.02	2.78	2.55

* NEMA 1-15P type plug

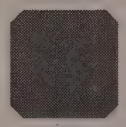
45° Daisy Chains

- Each head separated by 12" of cord.

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Number of Heads	Price Each			
				1	25	50	100
670-C452DC	C45-2DC	B	2	2.40	2.26	2.06	1.89
670-C452DCP	C45-2DCP	B	2 w/plug	3.20	3.02	2.75	2.52
670-C453DC	C45-3DC	B	3	3.41	3.25	2.86	2.65
670-C456DC	C45-6DC	B	6	5.40	5.16	4.54	4.21
670-C459DC	C45-9DC	B	9	6.40	6.03	5.74	5.53

FILTER KITS



RETAINER
- Plastic 94V-0
- Easy to install, no need to remove fan or guard
- Designed for low air resistance

MEDIA
- PU foam 30 or 45 PPI
- Easy to clean and change
- Reduces external fan noise

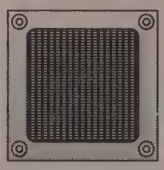
GUARD
- Plastic 94V-0
- UL .25 spacing (63mm)
- Decreases noise level

GUARD/RETAINER MEDIA
- Plastic 94V-0
- UL .25 spacing (63mm
- Use on fans with dia. of 172mm

For quantities 200 and up, call for quot

MOUSER STOCK NO.	Orion Part No.	Corresponding Fan Size	Price Each			
			1	25	50	100
670-GRM4030	GRM40-30	40mm	1.30	1.22	1.17	1.09
670-GRM4045	GRM40-45	40mm	1.30	1.22	1.17	1.09
670-GRM6030	GRM60-30	60mm	1.50	1.41	1.35	1.26
670-GRM6045	GRM60-45	60mm	1.50	1.41	1.35	1.26
670-GRM8030	GRM80-30	80mm	1.70	1.60	1.53	1.43
670-GRM8045	GRM80-45	80mm	1.70	1.60	1.53	1.43
670-GRM9230	GRM92-30	92mm	2.00	1.88	1.80	1.68
670-GRM9245	GRM92-45	92mm	2.00	1.88	1.80	1.68
670-GRM12030	GRM120-30	120mm	2.35	2.21	2.12	1.97
670-GRM12045	GRM120-45	120mm	2.35	2.21	2.12	1.97
670-GRM17245	GRM172-45	172mm	2.85	2.74	2.57	2.39

ALUMINUM FAN FILTERS



60mm
80mm
92mm
120mm

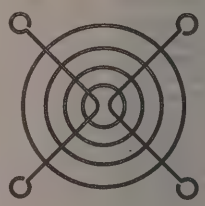
172mm

For quantities 200 and up, call for quot

MOUSER STOCK NO.	Orion Part No.	Corresponding Fan Size	Price Each			
			1	25	50	100
670-WMG60M	WMG60M	60mm	3.25	3.07	2.93	2.73
670-WMG80M	WMG80M	80mm	3.50	3.29	3.15	2.94
670-WMG92M	WMG92M	92mm	3.75	3.60	3.37	3.15
670-WMG120M	WMG120M	120mm	4.25	4.00	3.83	3.57
670-WMG172M	WMG172M	172mm	5.50	5.18	4.95	4.62

Standard Wire Mesh Guards are unfinished however all are available in gold, chrome or black anodized finishes also. Please contact Mouser Sales for color options. Minimums may apply.

WIRE FORM FAN GUARDS



Features:

- Steel wire
- Electroplated nickel chrome
- Black finish available
- Welded joints
- Withstands minimum 220 lbs separation force to meet UL, CSA standards

* Black Finish

For quantities 200 and up, call for quot

MOUSER STOCK NO.	Orion Part No.	Corresponding Fan Size	Price Each			
			1	25	50	100
670-G402	G40-2	40mm	1.00	.94	.90	.84
670-G604	G60-4	60mm	1.10	1.04	.99	.92
670-G8018	G80-18	80mm	1.20	1.13	1.08	1.01
670-G9216	G92-16	92mm	1.20	1.13	1.08	1.01
* 670-G9216B	G9216B	92mm	1.50	1.41	1.35	1.26
670-G10915A	G109-15A	120mm	1.20	1.13	1.08	1.01
670-G10915AB	G109-15AB	120mm	2.04	1.92	1.80	1.68
670-G17210HA	172-10HA	172mm	2.20	2.07	1.98	1.85
670-G25410P	G254-10P	254mm	3.50	3.30	3.15	2.94

Standard wire form guards are nickel-chrome however all are available in black anodized or gold finishes for an additional charge. Please specify finish when ordering. Minimums may apply.

QUALTEK Fan Accessories

Qualtek ELECTRONICS CORPORATION
Fan-S® Division
Fan Accessories

PLASTIC FAN FILTER ASSEMBLIES

etainer:
UL Listed 94V-0 material
Designed for minimal air restriction

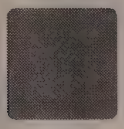
Guard:
- UL Listed 94V-0 material
- Decreased noise level due to design
- Withstands high impact

edia:
Helps reduce external fan noise
Easily cleaned by vacuuming or washing with most soaps, detergents or cleaning solvents

DIMENSIONS (mm)

Retainer

Guard


Media

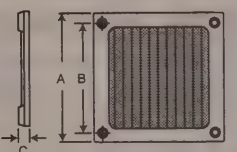
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fits Fan Size (mm)	Description	Dimensions (mm)			Price Each			
				A	B	C	1	25	50	100
562-09150F30	09150-F/30	40mm	Guard, retainer,media (30 PPI)	39.88	32.0	4.83	.97	.83	.75	.65
562-09150F45	09150-F/45	40mm	Guard, retainer, media (45 PPI)	39.88	32.0	4.83	.97	.83	.75	.65
562-09150M45	09150-M/45	40mm	Foam media (45 PPI) (5 per pkg)	32.77	- - -	2.29	2.10	1.80	1.63	1.50
562-09150G	09150-G	40mm	Plastic guard	39.87	32.0	4.75	.50	.46	.42	.40
562-09250F30	09250-F/30	60mm	Guard, retainer,media (30 PPI)	59.94	50.0	6.35	1.14	.94	.84	.76
562-0925045	09250-F/45	60mm	Guard, retainer,media (45 PPI)	59.94	50.0	6.35	1.14	.94	.84	.76
562-09250M30	09250-M/30	60mm	Foam media (30 PPI) (5 per pkg)	55.88	- - -	2.79	2.20	1.85	1.69	1.55
562-09250M45	09250-M/45	60mm	Foam media (45 PPI) (5 per pkg)	55.88	- - -	2.79	2.20	1.85	1.69	1.55
562-09250G	09250-G	60mm	Plastic guard only	59.94	50.0	6.35	.43	.36	.32	.28
562-09325F30	09325-F/30	80mm	Guard, retainer,media (30 PPI)	83.57	71.37	9.91	1.32	1.09	.98	.86
562-0932545	09325-F/45	80mm	Guard, retainer, media (45 PPI)	83.57	71.37	9.91	1.32	1.09	.98	.86
562-09325M30	09325-M/30	80mm	Foam media (30 PPI) (5 per pkg)	77.72	- - -	3.81	1.60	1.35	1.22	1.16
562-09325M45	09325-M/45	80mm	Foam media (45 PPI) (5 per pkg)	77.72	- - -	3.81	1.60	1.35	1.22	1.16
562-09325G	09325-G	80mm	Plastic guard only	80.0	71.37	6.60	.66	.55	.49	.43
562-09080-G	09080-G	80mm	Plastic guard (thin)	79.96	71.4	3.04	.58	.53	.48	.46
562-09362F30	09362-F/30	92mm	Guard, retainer,media (30 PPI)	96.52	82.55	9.91	1.64	1.36	1.21	1.07
562-0936245	09362-F/45	92mm	Guard, retainer,media (45 PPI)	96.52	82.55	9.91	1.64	1.36	1.21	1.07
562-09362M30	09362-M/30	92mm	Foam media (30 PPI) (5 per pkg)	89.92	- - -	3.30	2.55	2.15	1.94	1.82
562-09362M45	09362-M/45	92mm	Foam media (45 PPI) (5 per pkg)	89.92	- - -	3.30	2.55	2.15	1.94	1.82
562-09362G	09362-G	92mm	Plastic guard only	91.95	82.55	6.35	.73	.60	.54	.48
562-0945045	09450-F/45	120mm	Guard, retainer, media (45 PPI)	123.70	104.90	10.67	2.01	1.66	1.49	1.31
562-09450M30	09450-M/30	120mm	Foam media (30 PPI) (5 per pkg)	115.57	- - -	3.30	1.91	1.58	1.41	1.25
562-09450M45	09450-M/45	120mm	Foam media (45 PPI) (5 per pkg)	115.57	- - -	3.30	1.91	1.58	1.41	1.25
562-09450G	09450-G	120mm	Plastic guard only	118.11	104.92	7.11	.90	.74	.67	.59
562-09120-G	09120-G	120mm	Plastic guard	104.8	115.1	6.60	.85	.78	.71	.68
562-09121	09121-G	120mm	Plastic guard	118.9	115.2	6.60	1.01	.93	.84	.81
562-09122	09122-G	120mm	Plastic guard	118.9	115.1	6.60	.90	.83	.75	.72

FAN FILTERS

For quantities of 200 and up, call for quote.

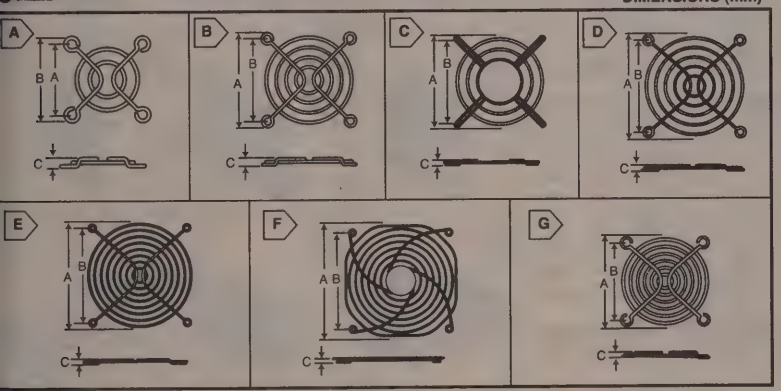
MOUSER STOCK NO.	Qualtek Part No.	Fits Fan Size (mm)	Filter	Dimensions (mm)			Price Each			
				A	B	C	1	25	50	100
562-06250S	06250-SS	60mm	Stainless Steel	59.94	50.04	4.45	5.35	4.85	4.35	4.12
562-06325M	06325-M	80mm	Unfinished 3 1/8"	83.06	71.37	4.45	3.19	3.02	2.70	2.54
562-06325B	06325-B	80mm	Black anodized 3 1/8"	83.06	71.37	4.45	4.17	3.78	3.38	3.18
562-06325C	06325-C	80mm	Clear coat 3 1/8"	83.06	71.37	4.45	4.17	3.78	3.38	3.18
562-06325S	06325-SS	80mm	Stainless Steel	83.82	71.37	4.45	5.50	5.00	4.48	4.34
562-06362M	06362-M	92mm	Unfinished 3 1/8"	91.95	82.42	4.45	3.56	3.37	3.02	2.84
562-06362B	06362-B	92mm	Black anodized 3 1/8"	91.95	82.42	4.45	4.45	4.09	3.49	3.34
562-06362C	06362-C	92mm	Clear coat 3 1/8"	91.95	82.42	4.45	4.45	4.09	3.49	3.34
562-06362S	06362-SS	92mm	Stainless Steel	91.95	82.42	4.45	5.65	5.05	4.60	4.47
562-06450C	06450-C	119mm	Unfinished 4 1/2"	118.87	104.78	4.45	5.18	4.69	4.20	3.69
562-06450B	06450-B	120mm	Black anodized 4 1/2"	118.87	104.78	4.45	5.18	4.69	4.20	3.69
562-06450M	06450-M	120mm	Clear coat 4 1/2"	118.87	104.78	4.45	4.13	3.74	3.35	2.96
562-06450S	06450-SS	120mm	Stainless Steel	118.87	104.78	4.45	8.50	7.71	6.90	6.69



DIMENSIONS (mm)

WIRE FORM FAN GUARDS

DIMENSIONS (mm)



For use with our tubeaxial fans. 1¼" maximum ring spacing design was developed to assist our customers in complying with domestic and international safety agency requirements.

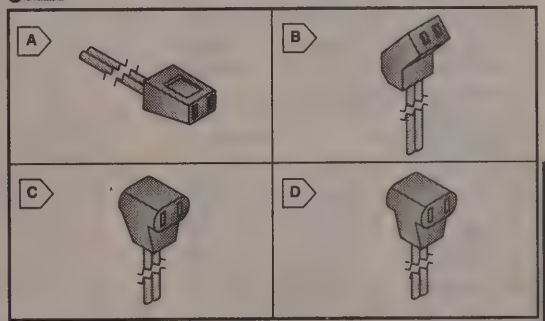
Features:
- C1010 basic wire
- Weld joints withstand 220 lbs. minimum separation force

Specifications:
- Over wire dia. @ butt joints: .010 max.
- Depth of serrations on wire: .015 max.
- Thickness of nickel chrome: .0005 min.
- Tolerance: = ±.03"

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Fits Fan Size	Dimensions (mm)			Price Each			
				A	B	C	1	25	50	100
Nickel Chrome Plated										
562-08149	08149	A	40mm	29.1	32.0	1.60	.53	.46	.40	.35
562-08147	08147	B	60mm	53.1	50.0	1.60	.57	.50	.42	.38
562-08153	08153	C	80mm	76.9	71.37	1.60	.81	.71	.61	.54
562-08172	08172	G	80mm	76.2	71.4	1.60	.81	.71	.61	.54
562-08174	08174	D	92mm	89.4	82.4	1.60	.88	.77	.66	.59
562-08170	08170	E	120mm	115.6	104.8	1.80	.88	.77	.66	.59
562-08141	08141	F	120mm	117.3	104.8	2.03	1.55	1.36	1.16	1.04
562-08146	08146	C	120mm	109.5	104.8	1.60	.96	.84	.72	.66

FAN POWER CORDS



Can be used with all AC fans using .110" x .020" faston standard terminals with .3125" spacing. Temperature rating: 105°C (max).

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description Length (in.)	Price Each			
				1	25	50	100
562-07100-12	07100-12	A	Straight (12)	.88	.78	.67	.59
562-07100-24	07100-24	A	Straight (24)	.88	.77	.70	.62
562-07100-36	07100-36	A	Straight (36)	1.00	.88	.75	.67
562-07100-50	07100-50	A	Straight (50)	1.14	1.00	.86	.76
562-07100-72	07100-72	A	Straight (72)	1.43	1.25	1.07	.96
562-07145-12	07145-12	B	45 deg. (12)	.88	.78	.67	.59
562-07145-24	07145-24	B	45 deg. (24)	.88	.77	.70	.66
562-07145-36	07145-36	B	45 deg. (36)	1.00	.88	.75	.67
562-07145-60	07145-60	B	45 deg. (6)	1.86	1.71	1.59	1.48
562-07190-12	07190-12	C	90 deg. (12)	.88	.78	.67	.59
562-07190-24	07190-24	C	90 deg. (24)	.88	.77	.70	.62
562-07190-36	07190-36	C	90 deg. (36)	1.10	1.05	.95	.88
562-07199-12	07199-12	D	T-Plug (12)	.88	.78	.75	.67
562-07199-24	07199-24	D	T-Plug (24)	.88	.77	.66	.59
562-07199-36	07199-36	D	T-Plug (36)	1.00	.88	.75	.67
562-07199-72	07199-72	D	T-Plug (72)	1.43	1.25	1.07	.96

AAVID Heat Sinks

AAVID THERMALLOY

FOR TO-3 CASE STYLES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions (In.)			Price Each			
				L	W	H	1	10	100	500
532-579103B00	A	Space saving, expandable collar	12.5	1.540	1.125	0.870	.79	.70	.59	.50
532-579103C00	A	Gold chromate, space saving	12.5	1.540	1.125	0.870	.70	.62	.52	.44
532-575703B00	B	Space saving, slanted fin basket	13.4	1.630	1.290	0.750	.81	.72	.61	.52
532-501303B00	C	Space saving, minimal board space	12.0	1.880	1.400	0.500	.72	.64	.54	.46
532-501403B00	C	Space saving, minimal board space	10.0	1.880	1.400	0.750	.77	.69	.58	.49
532-501503B00	C	Space saving, minimal board space	8.4	1.880	1.400	1.000	1.07	.95	.81	.68
532-501603B00	C	Space saving, minimal board space	7.8	1.880	1.400	1.250	1.10	.97	.82	.70
532-500403B00	D	Slanted fins for efficient cooling	5.0	1.810	1.810	1.250	1.74	1.54	1.30	1.11
532-568303B00	E	Natural or forced air cooling	5.4	1.810	1.810	1.250	4.17	3.69	3.13	2.65
532-569003B00	F	Fold-back fins for maximum surface	5.5	1.830	1.830	1.310	1.21	1.07	.91	.77
532-506007B00	G	Universal hole pattern, low profile	7.0	2.000	1.750	0.375	.86	.76	.64	.55

FOR TO-66 CASE STYLES

For quantities greater than listed, call for quote.

532-569006B00	F	Fold-back fins for maximum surface	5.4	1.830	1.830	1.310	1.39	1.23	1.04	.88

FOR TO-5 AND TO-39 CASE STYLES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions (In.)			Price Each			
				L	W	H	1	10	100	500
532-322505B00	H	Space saver, easy installation	40.0	0.750	0.750	0.400	2.09	1.85	1.57	1.33
532-322805B00	H	Three finned for increased performance	40.0	0.875	0.875	0.531	1.49	1.32	1.19	.95
532-323005B00	I	Finned for maximum thermal cooling	56.0	0.750	0.750	0.250	.93	.82	.70	.59
532-578305B00	J	Snap-on cooler for easy assembly	35.0	0.750	0.830	0.395	.27	.24	.21	.17

FOR TO-18 AND TO-92 CASE STYLES

For quantities greater than listed, call for quote.

532-322400B00	K	Space saver, easy installation	100.0	0.500	0.500	0.235	1.10	.98	.83	.70

FOR TO-92 CASE STYLES

For quantities greater than listed, call for quote.

532-575200B00	L	Slip-on, low cost, minimum space	60.0	- - - -	0.602	0.720	.27	.23	.20	.17

FOR TO-126 AND TO-127 CASE STYLES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions (In.)			Price Each			
				L	W	H	1	10	100	500
532-577500B00	M	Vertical mount for easy assembly	26.0	0.520	0.775	0.320	.27	.23	.20	.17
532-507302B00	N	Economy, low profile	24.0	0.750	0.750	0.375	.23	.20	.17	.15

FOR TO-202 CASE STYLES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions (In.)			Price Each			
				L	W	H	1	10	100	500
532-576904B00	O	Trim, low profile, minimum space	32.0	0.750	0.520	0.250	.27	.24	.20	.17
532-577304B00	O	Trim, low profile, minimum space	27.2	0.750	0.520	0.375	.25	.22	.19	.16
532-577404B00	O	Trim, low profile, minimum space	24.0	0.750	0.520	0.500	.25	.22	.19	.16
532-574204B00	P	Clip-on cooler for easy assembly	16.8	0.390	1.020	0.900	.37	.33	.28	.23
532-531002B25	Q	Extruded for HD application, solid pins	13.4	0.500	1.380	1.000	1.06	.94	.80	.68
532-531102B00	Q	Extruded for HD application, no pins	10.4	0.500	1.380	1.500	1.04	.92	.78	.66
532-531102B25	Q	Extruded for HD application, solid pins	10.4	0.500	1.380	1.500	1.12	1.00	.84	.72
532-531202B00	Q	Extruded for HD application, no pins	7.5	0.500	1.380	2.000	1.17	1.04	.88	.75
532-531202B25	Q	Extruded for HD application, solid pins	7.5	0.500	1.380	2.000	1.22	1.08	.91	.78
532-531302B25	Q	Extruded for HD application, solid pins	8.0	0.500	1.380	2.500	1.26	1.12	.95	.80

FOR TO-218 CASE STYLES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions (In.)			Price Each			
				L	W	H	1	10	100	500
532-530101B15	R	Versatile high rise, twisted fins	6.3	0.500	1.750	1.750	1.54	1.37	1.16	.98
532-530401B15	S	Versatile high rise, staggered fins	6.3	0.750	1.750	1.750	1.54	1.37	1.16	.98
532-513102B25	T	Solder pins for solder mounting	11.0	0.500	1.380	1.500	.94	.83	.71	.60
532-513201B25	T	Solder pins for solder mounting	8.3	0.500	1.380	2.000	1.10	.98	.83	.70
532-529901B02500	T	Solder pins for solder mounting	4.5	1.650	1.000	2.000	1.70	1.51	1.28	1.08
532-529801B25	U	Solder pins for solder mounting	3.7	1.000	1.650	1.500	1.38	1.22	1.03	.88
532-592201B34	V	Clip-on with fold back fins	6.8	0.470	1.950	1.970	1.05	.93	.78	.72

FOR MULTIWATT CASE STYLES

For quantities greater than listed, call for quote.

532-566010B34	W	Vertical mount, slide-on with tabs	11.5	1.000	0.500	1.220	1.25	1.11	.94	.80

FOR SURFACE MOUNT CASE STYLES

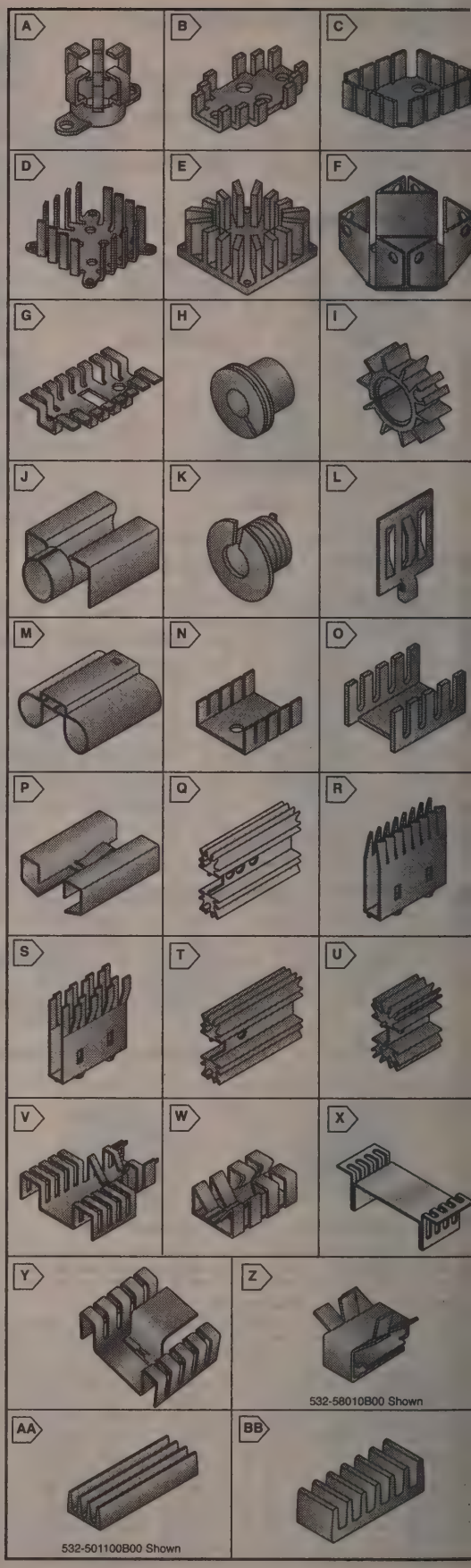
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions (In.)			Price Each			
				L	W	H	1	10	100	500
532-573100D10	X	D-Pak / TO-252, high cond. Copper	15.0	0.315	0.900	0.400	.69	.61	.52	.44
532-573300D10	X	D^2Pak / TO-263, high cond. Copper	18.0	0.500	1.030	0.400	.55	.49	.41	.36
532-573400D10	X	D^3Pak / TO-268, high cond. Copper	14.0	0.500	1.220	0.400	.59	.53	.45	.38
532-7109D	Y	D^3Pak / TO-268, high cond. Copper	11.0	0.763	1.000	0.450	.95	.84	.71	.60

FOR DIP PACKAGES

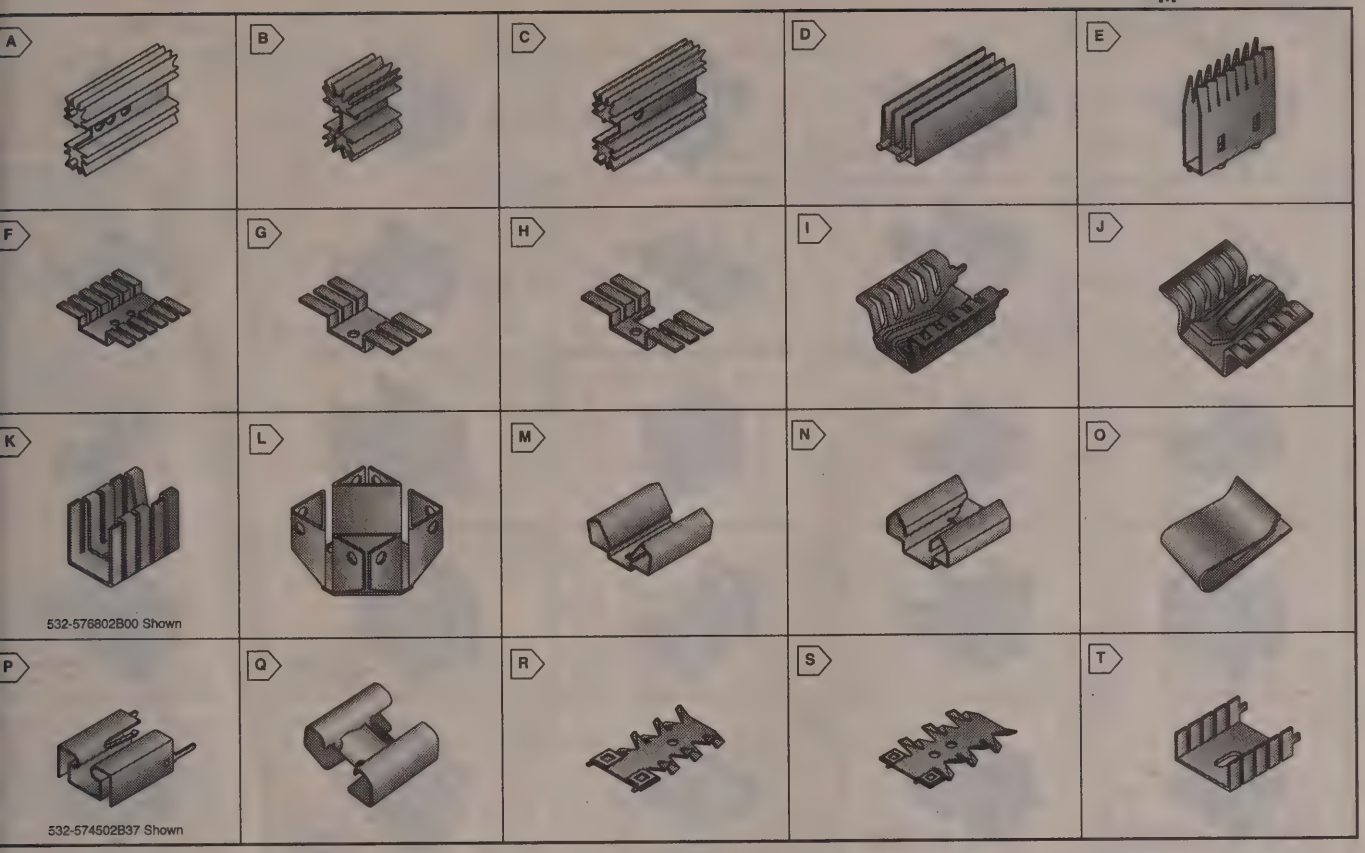
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions (In.)			Price Each			
				L	W	H	1	10	100	500
532-580200B00	Z	Low cost for 14/16 pin plastic DIP pkgs	20.0	0.837	0.600	0.410	.34	.30	.25	.21
532-580500B00	Z	Low cost for 24 pin DIP packages	20.0	1.460	1.008	0.580	.62	.55	.46	.39
532-580700B00	Z	Low cost for 40 pin DIP packages	22.0	2.256	0.980	0.590	.67	.59	.50	.43
532-501100B00	AA	Glue-on for 14/16 pin DIP packages	67.0	0.750	0.250	0.190	.54	.48	.41	.35
532-501200B00	BB	Glue-on for 14/16 pin DIP packages	68.0	0.730	0.250	0.190	.58	.51	.43	.37



AAVID Heat Sinks

AAVID THERMALLOY



FOR TO-220 CASE STYLES

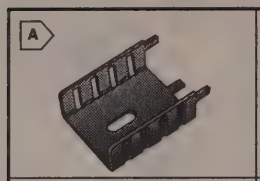
* TO-220, Dual

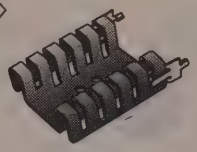
For quantities of 100 and up, call for quote.

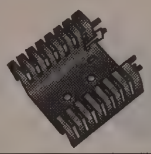
MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Orientation	Finish	Board Mounting Type	Heatsink to Device Mounting	Ther Res (°C/W)	Dimensions (In.) L x W x H	Price Each 1	Price Each 10
532-531002B00	531002B00000	A	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	No Pins	Mounting Kit	13.4	1.38 x 0.50 x 1.00	.98	.87
532-531002B25	531002B02500	A	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	13.4	1.38 x 0.50 x 1.00	1.06	.94
532-531102B00	531102B00000	A	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	No Pins	Mounting Kit	10.4	1.38 x 0.50 x 1.50	1.04	.92
532-531102B25	531102B02500	A	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	10.4	1.38 x 0.50 x 1.50	1.12	1.00
532-531202B00	531202B00000	A	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	No Pins	Mounting Kit	7.5	1.38 x 0.50 x 2.00	1.17	1.04
532-531202B25	531202B02500	A	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	7.5	1.38 x 0.50 x 2.00	1.22	1.08
532-531302B25	531302B02500	A	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	8.0	1.38 x 0.50 x 2.50	1.26	1.12
532-529802B25	529802B02500	B	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	3.7	1.65 x 1.00 x 1.50	1.35	1.20
532-529902B25	529902B02500	B	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	4.5	1.65 x 1.00 x 2.00	1.65	1.46
532-513002B25	513002B02500	C	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	13.4	1.38 x 0.50 x 1.00	.90	.80
532-513102B25	513102B02500	C	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	11.0	1.38 x 0.50 x 1.50	.94	.83
532-581002B25	581002B02500	D	Extruded, flat back, w/straight fins	Vertical	Blk anodize	Solder Pins	Mounting Kit	17.4	0.64 x 0.64 x 1.00	1.22	1.08
532-581202B02500	581202B02500	D	Extruded, flat back, w/straight fins	Vertical	Blk anodize	Solder Pins	Mounting Kit	12.8	0.64 x 0.64 x 2.00	1.69	1.50
532-530102B15	530102B00150	E	High rise style, twisted fin	Vertical	Blk anodize	Wave Sldr Mnts	150 Clip	6.3	1.75 x 0.50 x 1.75	1.54	1.37
532-507222B00	507222B00000	F	High rise style, twisted fin	Vertical	Blk anodize	Wave Sldr Mnts	150 Clip	7.0	1.47 x 1.75 x 0.38	.44	.39
532-507002B00	507002B00000	G	Hat section	Horizontal	Blk anodize	No Tabs	Mounting Kit	15.6	0.70 x 1.75 x 0.38	.24	.21
532-507102B00	507102B00000	H	Hat section with cut out	Horizontal	Blk anodize	No Tabs	Mounting Kit	15.6	0.70 x 1.75 x 0.38	.27	.23
532-7137D	7137D	I	Hat section slide on w/integrated tab	Vertical	Tin plate	Solder Tabs	Kit Not Required	20.8	0.90 x 0.38 x 0.90	.75	.70
532-6237B	6237B	J	Hat section, clip on	Hz. or Vert.	Blk anodize	No Tabs	Kit Not Required	25.0	0.90 x 0.38 x 0.70	.40	.34
532-591302B28	591302B02800	K	Plug in style	Vertical	Blk anodize	Solder Tabs	Kit Not Required	26.8	0.50 x 0.50 x 0.75	.64	.56
532-576802B00	576802B00000	K	Slim plug in	Vertical	Blk anodize	No Tabs	Kit Not Required	27.3	0.75 x 0.50 x 0.52	.33	.30
532-576802B31	576802B03100	K	Slim plug in	Horizontal	Blk anodize	Solder Tabs	Kit Not Required	27.3	0.75 x 0.50 x 0.52	.49	.43
532-576802B37	576802B03700	K	Slim plug in	Vertical	Blk anodize	Solder Tabs	Kit Not Required	27.3	0.75 x 0.50 x 0.52	.51	.45
532-576802B39	576802B03900	K	Slim plug in	Vertical	Blk anodize	Solder Tabs	Kit Not Required	27.3	0.75 x 0.50 x 0.52	.43	.38
532-576802B40	576802B04000	K	Slim plug in	Vertical	Blk anodize	Solder Tabs	Kit Not Required	27.3	0.75 x 0.50 x 0.52	.47	.41
532-576802B41	576802B04100	K	Slim plug in	Vertical	Blk anodize	Solder Tabs	Kit Not Required	27.3	0.75 x 0.50 x 0.52	.50	.44
532-569022B00 *	569022B00000	L	High power, square base, folded back fins	Horizontal	Blk anodize	No Tabs	Mounting Kit	5.5	1.83 x 1.83 x 1.31	1.52	1.35
532-575102B00	575102B00000	M	Snap down	Hz. or Vert.	Blk anodize	No Tabs	Kit Not Required	16.8	1.12 x 0.43 x 0.75	.38	.34
532-579302B00	579302B00000	N	Snap down with built in clip	Hz. or Vert.	Blk anodize	No Tabs	Kit Not Required	16.8	0.98 x 0.44 x 0.75	.29	.26
532-579402B00	579402B00000	N	Snap down w/built in clip for beveled device	Hz. or Vert.	Blk anodize	No Tabs	Kit Not Required	16.8	0.98 x 0.44 x 0.75	.32	.28
532-6043PB	6043PB	O	Low cost clip on	Vertical	Pre black	No Tabs	Kit Not Required	23.0	0.80 x 0.27 x 1.00	.29	.25
532-574102B00	574102B00000	P	Low cost slide on	Vertical	Blk anodize	No Tabs	Kit Not Required	23.2	0.86 x 0.40 x 0.75	.24	.21
532-574402B32	574402B03200	P	Low cost slide on	Vertical	Blk anodize	Solder Tabs	Kit Not Required	19.3	0.75 x 0.86 x 0.40	.62	.55
532-574902B33	574902B03300	P	Slide on	Vertical	Blk anodize	Solder Tabs	Kit Not Required	16.0	0.86 x 0.39 x 1.38	.63	.56
532-574902B37	574902B03700	P	Slide on	Vertical	Blk anodize	Solder Tabs	Kit Not Required	16.0	0.86 x 0.36 x 1.38	.65	.58
532-574502B00	574502B00000	P	Slide on	Vertical	Blk anodize	No Tabs	Kit Not Required	21.2	0.86 x 0.40 x 0.75	.24	.21
532-574502B32	574502B03200	P	Slide on	Vertical	Blk anodize	Solder Tabs	Kit Not Required	21.2	0.86 x 0.40 x 0.75	.43	.38
532-574502B33	574502B03300	P	Slide on	Vertical	Blk anodize	Solder Tabs	Kit Not Required	21.2	0.86 x 0.40 x 0.75	.46	.41
532-574502B37	574502B03700	P	Slide on	Vertical	Blk anodize	Solder Tabs	Kit Not Required	21.2	0.86 x 0.40 x 0.75	.41	.36
532-574502B48	574502B04800	P	Slide on	Vertical	Blk anodize	Solder Tabs	Kit Not Required	21.2	0.86 x 0.40 x 0.75	.51	.45
532-574802B03300	574802B03300	Q	Slide on	Vertical	Blk anodize	Solder Tabs	Kit Not Required	20.4	1.02 x 0.42 x 0.90	.62	.55
532-6022PB	6022PB	R	Space saving staggered fin	Vertical	Pre black	No Tabs	Mounting Kit	16.7	0.88 x 0.25 x 1.25	.70	.62
532-542502B00000	542502B00000	R	Space saving twisted fin	Vertical	Blk anodize	No Tabs	Mounting Kit	24.0	0.88 x 0.25 x 1.25	.43	.38
532-592502B34	592502B03400	R	Space saving twisted fin	Vertical	Blk anodize	Solder Tabs	Mounting Kit	22.0	0.88 x 0.25 x 1.25	.64	.57
532-534302B35	534302B03553	S	Space saving twisted fin	Vertical	Blk anodize	Solder Tabs	153 Clip	10.4	1.38 x 0.48 x 2.00	.84	.74
532-523002T00	523002T00000	T	Space saving twisted fin with integrated tabs	Vertical	Di-elect. coat	Solder Tabs	Mounting Kit	13.6	0.50 x 1.00 x 1.18	2.48	2.19
532-523002B00	523002B00000	T	Space saving twisted fin with integrated tabs	Vertical	Blk anodize	Twist Tabs	Mounting Kit	13.6	0.50 x 1.00 x 1.18	.42	.37

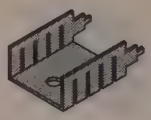
AAVID Heat Sinks

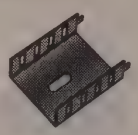
AAVID THERMALLOY

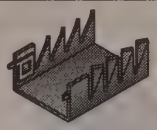












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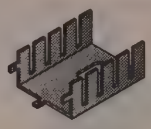

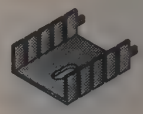

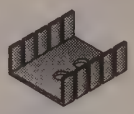

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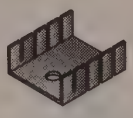

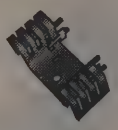

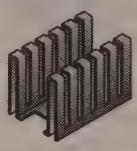

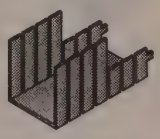

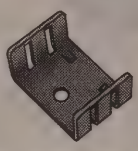

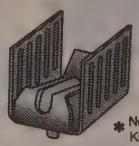

✱ No Mounting Kit Required

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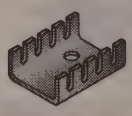
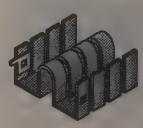


532-577102B00 Shown

✱ No Mounting Kit Required



FOR TO-220 CASE STYLES

✱ Mounting kit is required for heat sink to device mounting, unless otherwise noted.

For quantities of 100 and up, call for quot

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Orientation	Finish	Board Mounting Type	Ther Res (°C/W)	Dimensions (In.) L x W x H	Price Each 1	Price Each 10
532-6030B-TT	6030B-TT	A	Channel style straight fins w/3 integrated tabs	Vertical	Di-elect. coat w/tinned tabs	Solder Tabs	12.5	1.00 x 0.50 x 1.18	1.65	1.46
532-6030D	6030D	A	Channel style w/straight fins w/3 integrated tabs	Vertical	Tin plate	Solder Tabs	12.5	1.00 x 0.50 x 1.18	.88	.78
532-7020B-MT	7020B-MT	B	Channel style w/folded back fins, TO-220, TO-218	Vertical	Black anodized	Solder Tabs	8.7	1.30 x 0.70 x 1.45	.86	.76
532-7023B-MT	7023B-MT	C	Channel style w/folded back fins, TO-220, Multiwatt	Vertical	Black anodized	Solder Tabs	4.4	1.90 x 1.95 x 0.95	1.25	1.11
532-7173D	7173D	D	Channel style w/Integrated tabs	Vertical	Tin plate	Solder Tabs	25.8	0.75 x 0.75 x 0.38	.40	.35
532-6021PB	6021PB	E	Channel style w/straight fins & integrated tabs	Vertical	Pre black	Twist Tabs	12.5	1.00 x 0.50 x 1.18	.88	.78
532-6230B-TT	6230B-TT	F	Channel style w/straight fins	Vertical	Black paint	Solder Tabs	12.5	1.00 x 0.50 x 1.18	1.67	1.48
532-593002B34	593002B03400	G	Channel style w/twisted fins	Vertical	Black anodized	Solder Tabs	13.4	1.00 x 0.50 x 1.18	.69	.61
532-534202B28	534202B02853	G	Channel style, w/twisted fins	Vertical	Black anodized	Solder Tabs	13.4	1.00 x 0.50 x 1.18	1.16	1.02
532-534202B34	534202B03453	G	Channel style, w/twisted fins	Vertical	Black anodized	Solder Tabs	13.4	1.00 x 0.50 x 1.18	.77	.68
532-593202B35	593202B03500	H	Channel style w/twisted fins	Vertical	Black anodized	Solder Tabs	10.4	1.38 x 0.48 x 2.00	.79	.70
532-576602T00	576602T00000	I	Channel style w/integrated tabs	Vertical	Di-elect. coat w/tinned tabs	Solder Tabs	16.6	1.00 x 0.50 x 0.95	2.24	1.99
532-576602B00	576602B00000	I	Channel style w/integrated tabs	Vertical	Black anodized	Twist Tabs	16.6	1.00 x 0.50 x 0.95	.43	.38
532-563002B00	563002B00000	I	Channel style w/integrated tabs	Vertical	Black anodized	Twist Tabs	13.0	1.00 x 0.50 x 1.18	.34	.30
532-575002B00	575002B00000	J	Channel style w/integrated tabs	Vertical	Black anodized	Twist Tabs	13.6	1.00 x 0.50 x 1.18	.34	.30
532-576012B00	576012B00000	K	Economy low profile channel style	Hz. or Vert.	Black anodized	No Tabs	20.8	1.00 x 0.90 x 0.38	.49	.44
532-530714B00	530714B00000	K	Economy low profile channel style	Horizontal	Black anodized	No Tabs	20.3	0.71 x 1.00 x 0.50	.27	.23
532-530613B00	530613B00000	K	Economy low profile channel style	Horizontal	Black anodized	No Tabs	16.7	1.18 x 1.00 x 0.50	.38	.33
532-530614B00	530614B00000	K	Economy low profile channel style	Horizontal	Black anodized	No Tabs	16.7	1.18 x 1.00 x 0.50	.38	.33
532-507302B00	507302B00000	L	Economy low profile channel style	Horizontal	Black anodized	No Tabs	24.0	0.75 x 0.75 x 0.38	.23	.20
532-504102B00	504102B00000	M	Economy, narrow channel style	Vertical	Black anodized	No Tabs	15.6	0.78 x 0.70 x 0.85	.28	.25
532-504222B00	504222B00000	N	Economy, narrow channel style, TO-220, Dual	Horizontal	Black anodized	No Tabs	6.4	1.45 x 0.70 x 0.85	.44	.39
532-7025B-MT	7025B-MT	O	Hi perf. chan. style w/fold back fins, TO-220, TO-218	Vertical	Black anodized	Solder Tabs	6.8	1.90 x 0.95 x 1.13	.88	.78
532-551002B00	551002B00000	P	High performance channel style w/fold back fins	Hz. or Vert.	Black anodized	No Tabs	12.4	1.01 x 0.79 x 1.45	.58	.51
532-590102B36	590102B03600	Q	Hi perform. w/2 tinned tabs, recessed lower fins	Vertical	Black anodized	Solder Tabs	10.0	1.00 x 1.00 x 1.68	.91	.81
532-590302B36	590302B03600	I	Hi perform. w/2 tinned tabs, recessed lower fins	Vertical	Black anodized	Solder Tabs	11.2	1.00 x 1.00 x 1.68	.91	.81
532-6110PB	6110PB	R	Low cost channel w/device locating tabs	Hz. or Vert.	Pre black	No Tabs	21.0	1.00 x 0.50 x 0.71	.55	.49
532-7139D	7139D	S	Narrow channel slide on w/integrated tabs	Horizontal	Tin plate	Solder Tabs	28.3	0.78 x .050 x 0.51	.55	.49
532-7136D	7136D	T	Narrow channel slide on w/integrated tabs	Vertical	Tin plate	Solder Tabs	19.7	.515 x 0.52 x .848	.66	.59
532-7128D	7128D	U	Slide on channel style w/integrated tabs	Vertical	Tin plate	Solder Tabs	19.2	.866 x .375 x 1.18	.70	.62
532-7141D	7141D	V	Slide on narrow channel w/integrated center tab	Vertical	Tin plate	Solder Tabs	20.3	0.52 x 0.52 x 0.84	.73	.65
532-577002B00	577002B00000	W	Slim, low cost channel style	Hz. or Vert.	Black anodized	No Tabs	32.0	0.75 x 0.52 x 0.25	.23	.21
532-577102B00	577102B00000	W	Slim, low cost channel style	Hz. or Vert.	Black anodized	No Tabs	25.9	0.75 x 0.52 x 0.38	.21	.18
532-577102B40	577102B04000	W	Slim, low cost channel style	Vertical	Black anodized	Solder Tabs	25.9	0.75 x 0.52 x 0.38	.37	.33
532-577202B00	577202B00000	W	Slim, low cost channel style	Hz. or Vert.	Black anodized	No Tabs	24.4	0.75 x 0.52 x 0.50	.21	.19
532-577202B40	577202B04000	W	Slim, low cost channel style	Vertical	Black anodized	Solder Tabs	24.4	0.75 x 0.52 x 0.50	.42	.37
532-577002B40	577002B04000	M	Slim, low cost channel style	Vertical	Black anodized	Solder Tabs	32.0	0.75 x 0.52 x 0.25	.38	.35
532-6238B-MT	6238B-MT	X	Slip on channel w/integral locking tab	Vertical	Black anodized	Solder Tabs	13.6	1.00 x .610 x 1.16	.99	.88
532-578622B32	578622B03200	Y	Twin channel style, TO-220, Dual	Vertical	Black anodized	Solder Tabs	13.2	1.48 x 0.50 x 1.03	.84	.74

AAVID Clips and Accessories

AAVID THERMALLOY

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leduces assembly cost and labor
Optimizes thermal management
leduces overall thermal resistance

- Provides mounting for discrete power devices, with or without mounting holes
- Allows for easy movement or replacement of components

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Force (lbs.)	Price Each 1	10	100
32-MAXCLIP01	MAX01	A	For TO-220, Max 220	5.15	.19	.17	.15
32-MAXCLIP03	MAX03	B	For TO-218, TO-220, Max 220, TO-247, Max 247	8.06	.23	.20	.17
32-MAXCLIP07	MAX07	C	For TO-220, Max 220, Max 247	17.92	.21	.18	.15
32-MAXCLIP10	MAX10	D	For TO-220, Max 220 Thin Components	8.96	.23	.20	.17

NSULATING SHOULDER WASHERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Dimensions (IN) A	B	C	D	E	Screw Size	Price Each 1	10	100
32-7721-3PPS	7721-3PPS	E	.280	.125	.042	.112	.140	4	.17	.15	.13
32-7721-7PPS	7721-7PPS	E	.215	.032	.040	.116	.139	4	.17	.15	.13
32-7721-8PPS	7721-8PPS	F	.245	.040	.040	.119	.140	4	.24	.21	.18

NSULATORS

Mica insulators provide high maximum operating temperatures (550°C) and excellent electrical properties.
Aluminum oxide has unique thermal conductivity qualities and features low loss factors at high frequencies.
t has high compressive strengths, high volume resistivity, low thermal expansion and it resists radiation.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Dimensions (IN) A	B	C	D	E	Price Each 1	10	100
32-56-77-11	56-77-11	G	TO-220 Mica Insulators	.745	.545	.212	.212	.120	.13	.10	.08
32-4170	4170	G	Aluminum Oxide Ceramic for TO-220	.760	.550	.188	.275	.145	.40	.35	.30
32-4180	4180	G	Aluminum Oxide Ceramic for TO-218	.915	.740	.275	.370	.156	.70	.63	.56

HERMALLY CONDUCTIVE INSULATORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Dimensions (IN) A	B	C	D	Price Each 1	10	100
32-43-77-9	43-77-9	H	TO-220 Thermalfilm™	.725	.520	.170	.115	.10	.09	.07
32-53-77-4	53-77-4	H	TO-220 Thermalsil™ III	.750	.500	.187	.147	.22	.19	.16
32-53-77-4AC	53-77-4AC	H	TO-220 Thermalsil™ III w/adhesive backing	.750	.500	.187	.147	.33	.29	.25
32-53-77-9	53-77-9	H	TO-220 Thermalsil™ III	.750	.520	.170	.115	.22	.19	.16
32-53-77-9AC	53-77-9AC	H	TO-220 Thermalsil™ III w/adhesive backing	.750	.520	.170	.115	.33	.29	.25

IOUNTING PAD

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Price Each 1	10	100
32-7717-5N	7717-5N	I	Nylon, TO-5	.18	.16	.14

IOUNTING KITS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Description	Price Each 1	10	100
32-4880M	4880M	**Mica Insulator Mounting Kit for TO-220:** 1 Insulator Mica, 1 Shoulder Washer, 1 Flat Washer #4, 1 No. 4-40 UNC-2B Hex Nut, 1 No. 4-40 UNC-2A X 1/2 Long Phillips Pan Head Screw, 1 Lockwasher, No. 4	.77	.68	.58
32-4880	4880	**Thermalfilm™ Mounting Kit for TO-220:** 1 Insulator Thermalfilm, 1 Shoulder Washer, 1 Flat Washer #4, 1 No. 4-40 UNC-2B Hex Nut, 1 No. 4-40 UNC-2A X 1/2 Long Phillips Pan Head Screw, 1 Lockwasher, No. 4	.77	.68	.58
32-4880S	4880S	**Thermalsil™ III Mounting Kit for TO-220:** 1 Insulator In Sil-8, 1 Shoulder Washer, 1 Flat Washer #4, 1 No. 4-40 UNC-2B Hex Nut, 1 No. 4-40 UNC-2A X 1/2 Long Phillips Pan Head Screw, 1 Lockwasher, No. 4	.81	.72	.61

THERMAL ADHESIVE AND COMPOUND

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Description	Dielectric Strength	Thermal Conductivity	Price Each 1	10	100
532-249	249	1 oz. Thermal Joint Compound	300V/mil	.765Wm-1°C-1	4.71	4.28	3.76
532-250	250	2 oz. Thermal Joint Compound	300V/mil	.765Wm-1°C-1	6.45	5.71	4.83
532-251	251	1lb. Thermal Joint Compound	300V/mil	.765Wm-1°C-1	21.12	18.72	15.84
532-350	350	2 oz. Thermal Joint Compound, Silicone Free	200V/mil	0.699Wm-1°C-1	10.30	9.17	7.76
532-100500F00	100500F00000	5 oz. Thermally Conductive Compound	250V/mil	.73 W/(m-K)	23.60	20.92	17.70
					25		75
532-161000F00	161000F00000	2-part Thermally Conductive Adhesive	410V/mil	.85 W/(m-°C)	8.00		6.30

Factory drop ship only

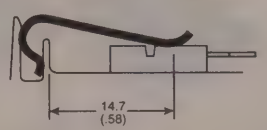
HEAT SINK COMPOUND

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each 1	10	50
524-8109-S	1 oz. Tube	6.50	5.85	5.66

DIMENSIONS mm (IN.)

A



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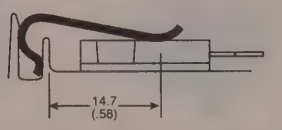

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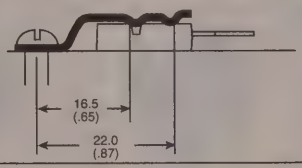

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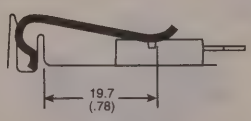

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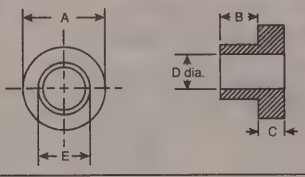

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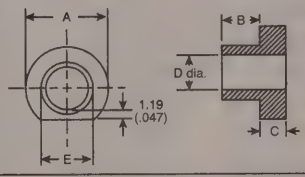

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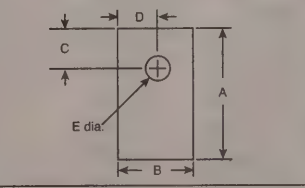

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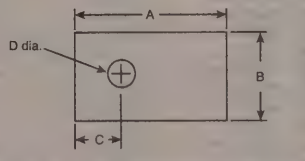

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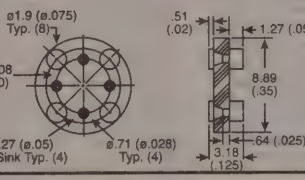
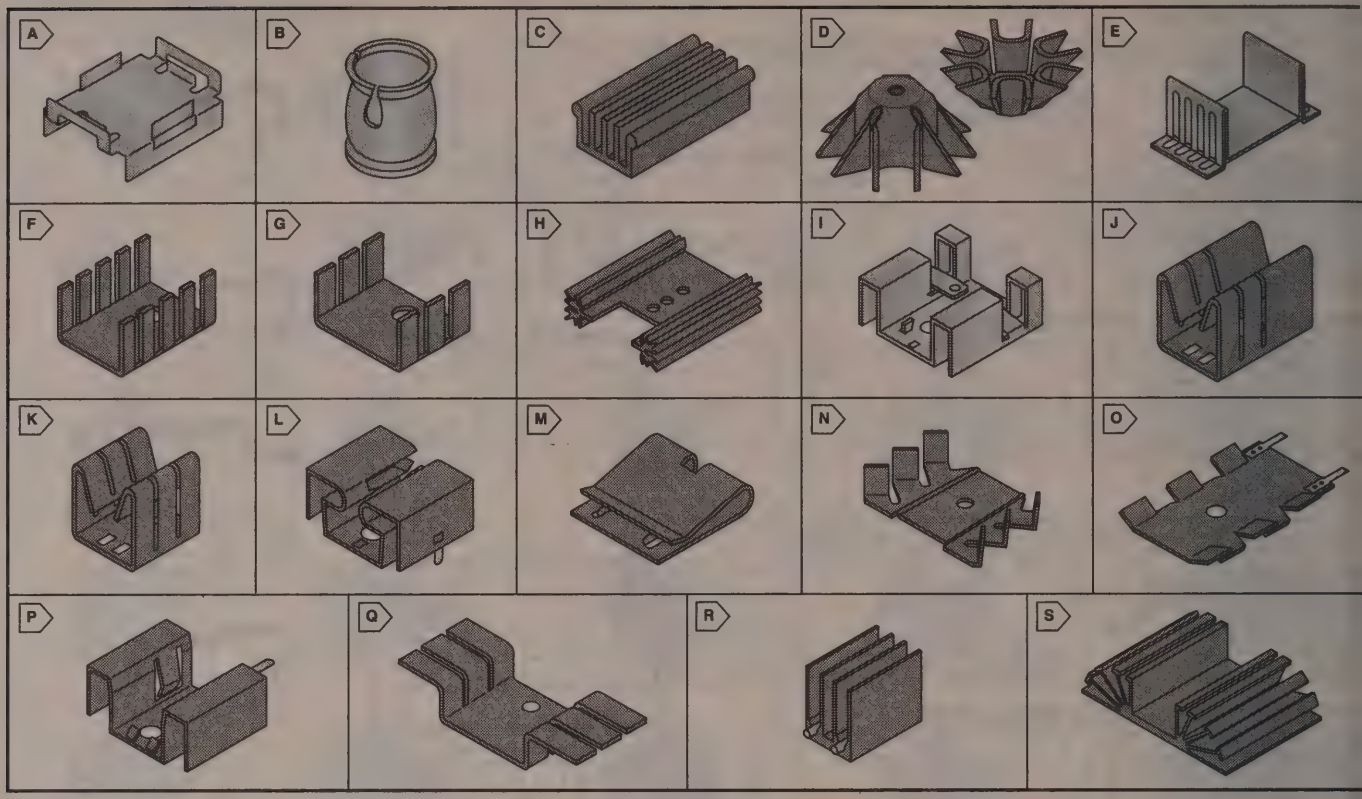


WAKEFIELD Heat Sinks

Wakefield Thermal Solution



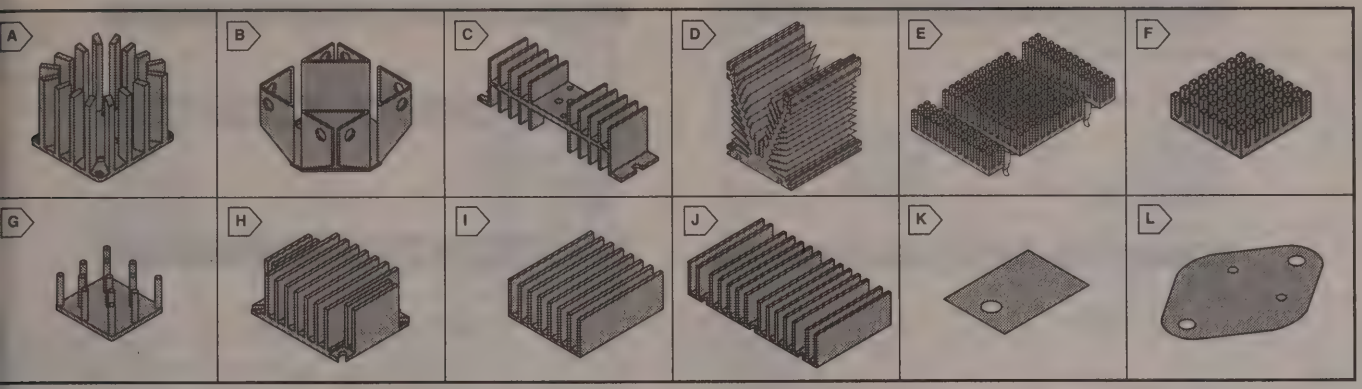
POWER HEAT SINKS

For quantities of 500 and up, call for quot

MOUSER STOCK NO.	Wakefield Part No.	Fig.	Description	Package	Natural Convection	Dim. - Inch L x W x H	Price Each 1	50	100
567-217-36CT6	217-36CT6	A	Surface Mount 2	D Pak, TO-220, SOL-20, SOT-223	55°C @ 1W	.74 x .60 x .36	.30	.24	.20
567-260-4T5E	260-4T5E	B	Cup Clips, Epoxy Insulated	TO-5	-	.370 x .380	9.96	8.96	8.47
567-651-B	651-B	C	DIPS & SRAM Low-Cost , Extruded	14-16 Pins DIPS	-	.25 x .74 x .24	1.30	1.04	.88
567-695-1B	695-1B	D	Space-Saving for Small Stud-Mounted Diodes	STUD-MOUNT	72°C @ 4.0W	1.33 x .53	1.33	1.06	.90
567-218-40CT3	218-40CT3	E	Surface Mount Device Heat Sink	SMT Devices	52°C rise @ 2W	.90 x .315 x .40	.73	.58	.49
567-218-40CT5	218-40CT5	E	Surface Mount Device Heat Sink	SMT Devices	52°C rise @ 2W	1.03 x .50 x .40	.58	.46	.39
567-206-1PABH	206-1PABH	F	Vertical Mount Heat Sink	TO-220	56°C rise @ 4W	1.0 x .50x 1.18	.90	.72	.61
567-240-118ABH-22	240-118ABH-22	F	Labor-Saving Twisted Fin	TO-220	55°C @ 4W	1.0 x .50 x 1.18	.70	.56	.48
567-265-118ABH-22	265-118ABH-22	F	Vertical Mount Heat Sink	TO-220	56°C rise @ 4W	1.00 x .50 x 1.18	.70	.56	.48
567-273-AB	273-AB	F	Low-Cost, Low-Height Wavesolderable	TO-218, TO-220	49°C @ 2W	.75 x .375 x .75	.38	.30	.26
567-274-1AB	274-1AB	F	Low-Cost, Low-Height Wavesolderable	TO-220	56°C @ 2W	.52 x .375 x .75	.25	.20	.17
567-286-DB	286-DB	F	Vertical Mount Heat Sink	TO-220	65°C rise @ 4W	1.00 x .50 x .95	2.00	1.60	1.36
567-287-1AB	287-1AB	F	Low-Cost Wave-Solderable	TO-220	56°C @ 4W	1.0 x .50 x 1.18	1.08	.86	.73
567-290-1AB	290-1AB	F	Low-Cost Single Package	TO-218 TO-202 TO-220	44°C @ 2W	1.0 x .50 x 1.18	.38	.30	.26
567-290-2AB	290-2AB	F	Low-Cost Dual Package	TO-218 TO-202 TO-220	44°C @ 2W	1.0 x .50 x 1.18	.38	.30	.26
567-289-AB	289-AB	G	Low-Cost Single Package	TO-218 TO-202 TO-220	506°C @ 2W	1.0 x .50 x .71	.28	.22	.19
567-637-10ABP	637-10ABP	H	High-Efficiency, Vertical Board Mounting	TO-220	76°C @ 6W	1.38 x .50 x 1.0	1.08	.86	.73
567-637-15ABP	637-15ABP	H	High-Efficiency, Vertical Board Mounting	TO-220	65°C @ 6W	1.38 x .50 x 1.5	1.50	1.20	1.02
567-637-20ABP	637-20ABP	H	High-Efficiency, Vertical Board Mounting	TO-220	55°C @ 6W	1.38 x .50 x 2.0	1.25	1.00	.85
567-647-10ABP	647-10ABP	H	High-Performance, Vertical Board Mounting	TO-220	42°C @ 6W	1.65 x 1.0 x 1.0	1.23	.98	.83
567-647-15ABP	647-15ABP	H	High-Performance, Vertical Board Mounting	TO-220	37°C @ 6W	1.65 x 1.0 x 1.5	1.38	1.10	.94
567-657-15ABP	657-15ABP	H	High-Performance, Vertical Board Mounting	TO-218 TO-220 TO-247	38°C @ 6W	1.65 x 1.0x 1.5	1.40	1.12	.95
567-657-15ABPN	657-15ABPN	H	High-Performance Notched, Vertical Board Mounting	TO-218 TO-220 TO-247	38°C @ 6W	1.65 x 1.0 x 1.5	1.48	1.18	1.00
567-657-20ABP	657-20ABP	H	High-Performance, Vertical Board Mounting	TO-218 TO-220 TO-247	32°C @ 6W	1.65 x 1.0 x 2.0	1.75	1.40	1.19
567-667-10ABPP	667-10ABPP	H	15-Lead High Performance Vertical Board Mounting	TO-218 TO-220 TO-247	76°C @ 6W	1.375 x .50 x 1.0	1.58	1.26	1.07
567-677-10ABP	677-10ABP	H	15-Lead Multiwatt High-Perf., High-Power, Vertical Mount	TO-218 TO-220 TO-247	52°C @ 6W	1.65 x 1.0 x 1.0	2.23	1.78	1.51
567-677-20ABP	677-20ABP	H	15-Lead Multiwatt High-Perf., High-Power, Vertical Mount	TO-218 TO-220 TO-247	40°C @ 6W	1.65 x 1.0 x 1.0	2.78	2.22	1.89
567-235-85AB	235-85AB	I	Compact, Stress-Free Labor-Saving Locking-Tab	TO-220	40°C @ 6W	1.65 x 1.0 x 2.0	.50	.40	.34
567-230-75AB	230-75AB	J	Compact, Wavesolderable Low-Profile Self-Locking	TO-220	57°C @ 2W	1.0 x .50 x .85	.35	.28	.24
567-233-60AB	233-60AB	K	Self-Locking Wavesolderable	TO-220	58°C @ 2W	.57 x .50 x .75	.43	.34	.29
567-233-60AB-10	233-60AB-10	K	Self-Locking Wavesolderable w/Tab	TO-220	58°C @ 2W	.57 x .50 x .60	.63	.50	.43
567-262-75AB-01	262-75AB-01	K	Horizontal & Vertical Mount Heat Sink	TO-220	80°C rise @ 3W	.57 x .50 x .725	.48	.38	.32
567-262-75AB-05	262-75AB-05	K	Horizontal & Vertical Mount Heat Sink	TO-220	80°C rise @ 3W	.53 x .50 x .75	.50	.40	.34
567-274-2AB	274-2AB	K	Low-Cost, Low-Height Wavesolderable	TO-220	50°C @ 2W	.75 x .50 x .53	.25	.20	.17
567-241-69AB-03	241-69AB-03	L	Horizontal Mount Heat Sink	TO-220	77°C rise@ 4W	.52 x .75 x .50	.65	.52	.44
567-243-3PAB	243-3PAB	M	Labor-Saving Clip-On	TO-220	78°C @ 2W	.86 x .69 x .39	.28	.22	.19
567-291-H36AB	291-H36AB	N	Labor-Saving Clip-on	TO-220	68°C @ 2W	.80 x .27 x .80	.50	.40	.34
567-288-1AB	288-1AB	O	Compact Wave-Solderable Low-Cost	TO-202 TO-220	85°C @ 4W	1.1 x .36 x .86	.98	.78	.66
567-239-75-AB04	239-75-AB04	P	Snap-Down Self-Locking w/Tab	TO-220	38°C @ 2W	.875 x .215 x 1.25	.50	.40	.34
567-270-AB	270-AB	Q	Small Footprint Low-Cost	TO-202 TO-220	70°C @ 4W	1.12 x .435 x .75	.28	.22	.19
567-272-AB	272-AB	Q	Small Footprint Low-Cost	TO-202 TO-220	42°C @ 4W	1.75 x .375 x .70	.45	.36	.31
567-271-AB	271-AB	Q	Top-Mount Booster 270/272/280 Series	TO-220	62°C @ 4W	1.75 x .375 x 1.45	.30	.24	.20
567-634-10ABP	634-10ABP	R	Slim Profile Unidirectional Fin Vertical Mount	TO-218 TO-220	-	1.75 x .50 x .70	1.25	1.00	.85
567-634-20ABP	634-20ABP	R	Slim Profile Unidirectional Fin Vertical Mount	TO-218 TO-220	-	.64 x .64 x 1.0	1.73	1.38	1.17
567-641-A	641-A	S	Maximum Performance, Mounting Holes	TO-3	36°C @ 15W	.64 x .64 x 2.0	7.86	7.07	6.68
567-641-K	641-K	S	Maximum Performance Convection	TO-3	36°C @ 15W	4.13 x 3.0 x 1.0	9.48	7.58	6.44

WAKEFIELD Heat Sinks and Accessories

Wakefield Thermal Solutions



POWER HEAT SINKS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Wakefield Part No.	Fig.	Description	Dimensions - Inch (mm) L x W x H	Price Each 1	50	100
567-680-125A	680-125A	A	TO-3, TO-220 Maximum Efficiency Omnidirectional	1.81 (45.97) x 1.81 (45.97) x 1.25 (31.75)	4.98	3.98	3.38
567-690-3B	690-3B	B	TO-3, TO-66, TO-220 Highest Efficiency/Lowest Unit Cost	1.86(47.2) Sq x 1.31(33.3) Hgt	1.90	1.52	1.29
567-401-K	401-K	C	TO-3; Stud-Mount Double-Surface	4.75 (120.65) x 1.5 (38.1) x 1.25 (31.75)	7.73	6.18	5.25
567-401-A	401-A	C	TO-3; Stud-Mount Double-Surface, Mounting Hole	4.75 (120.65) x 1.5 (38.1) x 1.25 (31.75)	9.22	8.30	7.84
567-421-K	421-K	C	TO-3, DO-5; Stud-Mount Low-Height Double-Surface	4.75 (120.65) x 3.0 (76.2) x 2.62 (66.55)	11.08	9.97	9.42
567-423-K	423-K	C	TO-3, DO-5; Stud-Mount Low-Height Double-Surface	4.75 (120.65) x 5.5 (139.7) x 2.62 (66.55)	16.74	15.07	14.23
567-392-180AB	392-180AB	D	High-Performance, Power Modules, IGBT and Solid State Relays	7.09 (180) x 4.92 (124.97) x 5.34 (135.64)	143.16	128.84	121.69

BGA HEAT SINKS

For quantities of 500 and up, call for quote.

567-609-50ABS3	609-50ABS3	E	40 mm C4QFP, 21mm CBGA	2.98 (73.41) x 2.0 (50.8) x .5 (12.7)	7.08	6.37	6.02
567-624-25ABT4	624-25ABT4	F	Omnidirectional Pin Fin 21 mm	.827 (.21.01) x .827 (.21.01) x .25 (6.35)	1.45	1.16	.99
567-625-25ABT4	625-25ABT4	F	Omnidirectional Pin Fin 25 mm	.984 ((24.99) x .984 (24.99) x .25 (6.35)	1.63	1.30	1.11
567-628-40AB	628-40AB	F	IntelDX4™, Intel 80486DX2™, and AM486™DX2, AM486™DX4	1.75 (44.45) x 1.7 (43.18) x .40 (10.16)	2.38	1.90	1.62
567-628-65AB	628-65AB	F	IntelDX4™, Intel 80486DX2™, and AM486™DX2, AM486™DX4	1.75 (44.45) x 1.7 (43.18) x .65 (16.51)	3.20	2.56	2.18
567-658-25AB	658-25AB	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, No Tape	1.1 (27.94) x 1.1 (27.94) x .25 (6.35)	1.05	.84	.71
567-658-25ABT1	658-25ABT1	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-405	1.1 (27.94) x 1.1 (27.94) x .25 (6.35)	2.43	1.94	1.65
567-658-25ABT2	658-25ABT2	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Arclad 8223	1.1 (27.94) x 1.1 (27.94) x .25 (6.35)	2.25	1.80	1.53
567-658-25ABT4	658-25ABT4	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-410	1.1 (27.94) x 1.1 (27.94) x .25 (6.35)	2.60	2.08	1.77
567-658-35AB	658-35AB	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, No Tape	1.1 (27.94) x 1.1 (27.94) x .35 (8.89)	1.05	.84	.71
567-658-35ABT3	658-35ABT3	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-412	1.1 (27.94) x 1.1 (27.94) x .35 (8.89)	2.55	2.04	1.73
567-658-35ABT4	658-35ABT4	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-410	1.1 (27.94) x 1.1 (27.94) x .35 (8.89)	2.60	2.08	1.77
567-658-45AB	658-45AB	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, No Tape	1.1 (27.94) x 1.1 (27.94) x .45 (11.43)	1.15	.92	.78
567-658-45ABT2	658-45ABT2	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Arclad 8223	1.1 (27.94) x 1.1 (27.94) x .45 (11.43)	2.35	1.88	1.60
567-658-45ABT4	658-45ABT4	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-410	1.1 (27.94) x 1.1 (27.94) x .45 (11.43)	2.70	2.16	1.84
567-658-60AB	658-60AB	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, No Tape	1.1 (27.94) x 1.1 (27.94) x .60 (15.24)	1.33	1.06	.90
567-658-60ABT2	658-60ABT2	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Arclad 8223	1.1 (27.94) x 1.1 (27.94) x .60 (15.24)	2.50	2.00	1.70
567-658-60ABT3	658-60ABT3	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-412	1.1 (27.94) x 1.1 (27.94) x .60 (15.24)	2.75	2.20	1.87
567-658-60ABT4	658-60ABT4	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-410	1.1 (27.94) x 1.1 (27.94) x .60 (15.24)	2.83	2.26	1.92
567-D10650-40	D10650-40	G	Pin Fin for 84 - 100 pin PQFP & 169 BGA	.65 (16.51) x .65 (16.51) x .40 (10.16)	.93	.74	.63
567-D10850-40	D10850-40	G	Pin Fin for 128 - 208 Pin PQFP & 313 BGA	.85 (21.59) x .85 (21.59) x .40 (10.16)	.93	.74	.63

DC/DC Converter Heat Sinks • Black Anodize

For quantities of 500 and up, call for quote.

567-537-24AB	537-24AB	H	Quarter Brick Horizontal Fin Orientation	1.45 (36.82) x 2.28 (57.91) x .24 (6.1)	3.80	3.04	2.58
567-537-45AB	537-45AB	H	Quarter Brick Horizontal Fin Orientation	1.45 (36.82) x 2.28 (57.91) x .45 (11.43)	5.50	4.40	3.74
567-537-95AB	537-95AB	H	Quarter Brick Horizontal Fin Orientation	1.45 (36.82) x 2.28 (57.91) x .95 (24.13)	6.20	4.96	4.22
567-547-24AB	547-24AB	H	Quarter Brick Vertical Fin Orientation	1.45 (36.82) x 2.28 (57.91) x .24 (6.1)	3.80	3.04	2.58
567-547-45AB	547-45AB	H	Quarter Brick Vertical Fin Orientation	1.45 (36.82) x 2.28 (57.91) x .45 (11.43)	4.50	3.60	3.06
567-547-95AB	547-95AB	H	Quarter Brick Vertical Fin Orientation	1.45 (36.82) x 2.28 (57.91) x .95 (24.13)	6.20	4.96	4.22
567-517-95AB	517-95AB	I	Half Brick Horizontal Fin Orientation	2.28 (57.91) x 2.4 (60.96) x .95 (24.13)	4.63	3.70	3.15
567-518-95AB	518-95AB	I	Half Brick Vertical Fin Orientation	2.28 (57.91) x 2.4 (60.96) x .95 (24.13)	4.95	3.96	3.37
567-518-95AB-MS4	518-95AB-MS4	I	Half Brick Vertical Fin Orientation w/HDWR and Deltalink IV Thermal Pad	2.28 (57.91) x 2.4 (60.96) x .95 (24.13)	8.65	6.92	5.88
567-527-45AB	527-45AB	I	Half Brick Horizontal Fin Orientation	2.28 (57.91) x 2.4 (60.96) x .45 (11.43)	3.93	3.14	2.67
567-527-24AB	527-24AB	I	Half Brick Horizontal Fin Orientation	2.28 (57.91) x 2.4 (60.96) x .24 (6.1)	3.25	2.60	2.21
567-528-24AB	528-24AB	I	Half Brick Vertical Fin Orientation	2.28 (57.91) x 2.4 (60.96) x .24 (6.1)	3.60	2.88	2.45
567-528-45AB	528-45AB	I	Half Brick Vertical Fin Orientation	2.28 (57.91) x 2.4 (60.96) x .45 (11.43)	4.28	3.42	2.91
567-557-140AB	557-140AB	J	Full Brick Horizontal Fin Orientation	2.4 (60.96) x 4.6 (116.84) x 1.4 (35.56)	7.73	6.18	5.25
567-558-75AB	558-75AB	J	Full Brick Vertical Fin Orientation	2.4 (60.96) x 4.6 (116.84) x .75 (19.05)	7.88	6.30	5.36
567-559-50AB	559-50AB	J	Full Brick Vertical Fin Orientation	2.4 (60.96) x 4.6 (116.84) x .50 (12.7)	12.13	9.70	8.25

Thermal Pads

For quantities of 500 and up, call for quote.

567-173-7-220P	173-7-220P	K	TO-220 DeltaPads™ .007" (.18mm) Insulator	.71 (18.03) x .50 (12.7) .141 dia. (3.6 dia.)	.28	.22	.19
567-173-9-240P	173-9-240P	K	TO-220 DeltaPads™ .009" (.23mm) Insulator	.75 (19.05) x .50 (12.7) .147 dia. (3.7 dia.)	.60	.48	.41
567-175-6-220P	175-6-220P	K	TO-220 Kapton® .006" (.15mm) Reinforced Insulator	.71 (18.03) x .50 (12.7) .141 dia. (3.6 dia.)	.30	.24	.20
567-175-6-230P	175-6-230P	K	TO-220 Kapton® .006" (.15mm) Reinforced Insulator	.71 (18.03) x .50 (12.7) .125 dia. (3.2 dia.)	.23	.18	.15
567-175-6-240P	175-6-240P	K	TO-220 Kapton® .006" (.15mm) Reinforced Insulator	.75 (19.05) x .50 (12.7) .147 dia. (3.7 dia.)	.25	.20	.17
567-175-6-280P	175-6-280P	K	TO-220 Kapton® .006" (.15mm) Reinforced Insulator	.86 (21.8) x .74 (18.8) .16 dia. (4.1 dia.)	.40	.32	.27
567-175-6-310P	175-6-310P	L	TO-3 Kapton® .006" (.15mm) Reinforced Insulator	1.59 (40.5) x 1.14 (29.0) .062 dia. (1.6 dia.)	.60	.48	.41

Thermal Joint Compound • Shelf Life-5 years

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Wakefield Part No.	Description	Price Each 1	50	100
567-120-SA	120-SA	Silicon Thermal Grease, 4 g. plastic pack	4.40	3.52	2.99
567-120-2	120-2	Silicon Thermal Grease, 2 oz. jar	8.52	7.67	7.24
567-120-5	120-5	Silicon Thermal Grease, 5 oz. tube	23.98	19.18	16.30
567-120-8	120-8	Silicon Thermal Grease, 8 oz. jar	23.38	21.04	19.87
567-120-80	120-80	Silicon Thermal Grease, 5lb can	148.32	133.49	126.07
567-126-4	126-4	Synthetic Non-Silicon Thermal Grease, 4 oz. tube	21.02	18.92	17.87

POWER

POWER TRANSFORMERS
C&D Technologies 1435
Hammond Manufacturing 1436-1439
Xicon 1440
Staco Energy Products 1440
Amseco 1440
Stancor 1441-1444
Tamura 1445
TransERA Magnetics 1446
Triad Magnetics 1447-1450
Sola/Hevi-Duty 1450

DC-DC CONVERTERS
Artesyn Technologies 1451-1452
Bourns 1453
C&D Technologies 1454-1466
Cincon 1467-1472
Datel 1473-1475
ETA-USA 1476-1477
Shindengen 1478
Vishay 1479

POWER SUPPLIES
Cincon 1480-1481
Condor 1482-1491
ETA-USA 1492
International Power 1493
Omron 1494-1495
Phihong 1496
Phoenix Contact 1497
Sola/Hevi-Duty 1498-1502
TAIYO YUDEN 1503

AC ADAPTERS
Ault 1504-1505
Cincon 1506-1507
Elpac Power Supplies 1508-1509
Phihong 1510-1513
Xicon 1514

POWER FILTERS
Corcom/Tyco Electronics 1515-1516
Kobiconn 1517

POWER FILTERS (cont.)
Qualtek 1517
Schaffner 1518-1519
Schurter 1520

POWER OUTLETS, UPS & CONDITIONERS
APC 1521-1522
Phoenix Contact 1523
Sola/Hevi-Duty 1524-1525
Tripp Lite 1526-1527
Wiremold 1528-1529

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Rechargeable Battery Packs 1530
Consumer Battery Finder 1531

Non Rechargeable
Duracell, Energizer, Golden Power, GP 1532

Rechargeable
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Power-Sonic 1533, 1534
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Lithium
Varta 1536, 1541
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BATTERY HOLDERS & CONTACTS
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Bulgin 1543
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TEST, TOOLS, SUPPLIES

PANEL METERS
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Jewell Modutec 1550
Simpson 1551-1553

TEST EQUIPMENT & BENCHTOP POWER SUPPLIES
Simpson 1553
B&K Precision 1554-1558
Extech 1559-1561
Fluke 1562-1569
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Molex 1590
Sargent 1591
3M 1592
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Xcelite 1593, 1597
Cooper Hand Tools 1592, 1593, 1597
Plato 1593, 1594
Erem 1594
OK Industries 1598, 1599
Spectrol, NTE 1600

DESKTOP TOOLS
Deltron 1601

DESKTOP TOOLS (cont.)
Greenlee 1601
PanaVise 1602
Luxo 1603
Weller 1604

SOLDERING TOOLS & PRODUCTS
Weller 1605-1607, 1608
Xcelite 1608
Esico-Triton 1609
Plato 1609, 1610
OK Industries 1610
Eagle Plastic Devices 1611
WAHL 1611
Kester 1612

SUPPLIES
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3M 1618-1620
Desco 1621-1623
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PROTOTYPING
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PSP 1627
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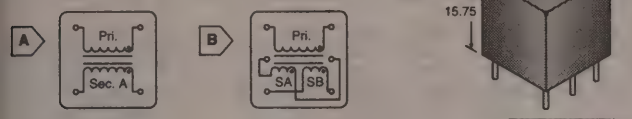
Bellin 1628
BPS 1629
Global Specialties 1630
Twin Industries 1631, 1632
Vector 1633, 1634

PROTOTYPING KITS
.....1635-1637

1000 SERIES PULSE TRANSFORMERS

Features:
- Operating temperature: 0°C to 70°C
- Compact footprint



DIMENSIONS (mm)

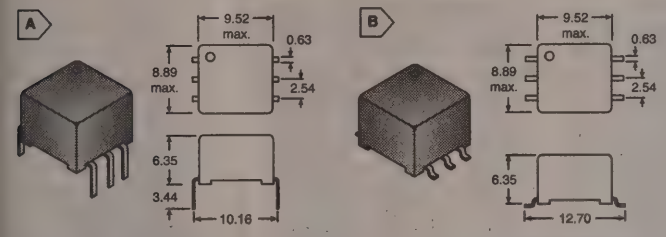
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig	Primary Ind. Max (mH)	RDC Max. (Ω) Primary	Sec. A	Sec. B	Isolation Voltage	Price Each 1	25	50	100
580-1001	A	3	1.2	1.0	---	2000	4.31	4.18	3.64	3.48
580-1002	B	3	1.4	1.3	1.7	2000	4.75	4.61	4.02	3.84
580-1003	B	12	4.0	1.8	2.4	2000	5.12	4.96	4.32	4.14

78250 SERIES CONVERTER TRANSFORMERS

The 78250 Series of converter transformers are specifically designed for use with Maxim chip sets to provide isolated RS232 interfaces. Carefully controlled turns ratios ensure consistent performance whilst a toroidal construction minimizes EMI.

Features:
- Standard pinout
- Fully encapsulated
- Maxim compatible
- Operating temperature: -40°C to 85°C



DIMENSIONS (mm)

◆ Surface Mount Device

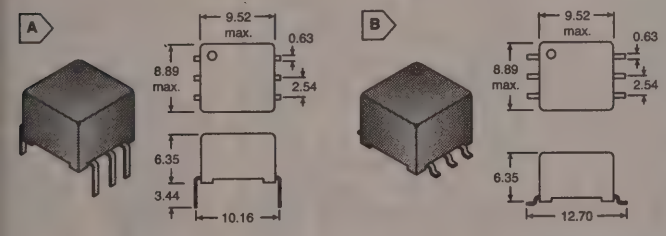
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig	Primary Ind. Max. (mH)	Leakage Ind. Max. (μH)	RDC Max. (Ω)	Isolation Voltage	Price Each 1	25	50	100
580-78250	A	2.5	3.0	2	1500	2.64	2.56	2.23	2.14
◆580-78250M	B	2.5	3.0	2	1500	2.64	2.56	2.23	2.14
580-78250V	A	2.5	40	2	4000	3.43	3.33	2.90	2.78
◆580-78250MV	B	2.5	40	2	4000	3.43	3.33	2.90	2.78

78253 SERIES CONVERTER TRANSFORMERS

The 78253 Series of converter transformers are designed for use with the MAX253 chip set to provide isolated power supplies. A centre tapped secondary winding allows for full bridge, half bridge or voltage doubling.

Features:
- Industrial standard pinout
- Fully encapsulated
- MAX253 compatible
- Operating temperature: -40°C to 85°C



DIMENSIONS (mm)

◆ Surface Mount Device

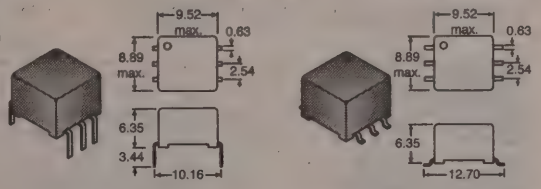
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig	Input Voltage	Output Voltage	Output Current (mA max.)	Isolation Voltage	Price Each 1	25	50	100
580-7825335	A	3.3	5.0	100	1500	2.64	2.56	2.23	2.14
◆580-7825335M	B	3.3	5.0	100	1500	2.64	2.56	2.23	2.14
580-7825355	A	5.0	5.0	200	1500	2.64	2.56	2.23	2.14
◆580-7825355M	B	5.0	5.0	200	1500	2.64	2.56	2.23	2.14
580-7825335V	A	3.3	5.0	100	4000	3.43	3.33	2.90	2.78
◆580-7825335MV	B	3.3	5.0	100	4000	3.43	3.33	2.90	2.78
580-7825355V	A	5.0	5.0	200	4000	3.43	3.33	2.90	2.78
◆580-7825355MV	B	5.0	5.0	200	4000	3.43	3.33	2.90	2.78

786 SERIES PULSE TRANSFORMERS

Features:
- Inductance to 10mH
- Toroidal Construction
- Fully encapsulated
- Isolation to 1kVrms

DIMENSIONS (mm)



For quantities of 200 and up, call for quote.

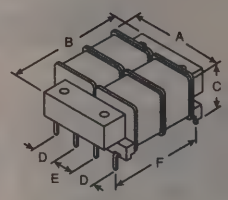
MOUSER STOCK NO.	C&D Part No.	Turns Ratio	Prim. Ind. Min. (μH)	Leak. Ind. Max. (μH)	Price Each 1	25	50	100
DIP Package								
580-786014	78601/4	1:1	100	0.19	1.55	1.50	1.32	1.25
580-786013	78601/3	1:1	200	0.20	1.55	1.50	1.32	1.25
580-786012	78601/2	1:1	500	0.25	1.55	1.50	1.32	1.25
580-786018	78601/8	1:1	1000	0.29	1.55	1.50	1.32	1.25
580-786011	78601/1	1:1	2000	0.47	1.55	1.50	1.32	1.25
580-7860116	78601/16	1:1	5000	0.47	1.55	1.50	1.32	1.25
580-786019	78601/9	1:1	10000	0.86	1.55	1.50	1.32	1.25
580-786024	78602/4	1:1:1	100	0.11	1.55	1.50	1.32	1.25
580-786023	78602/3	1:1:1	200	0.17	1.55	1.50	1.32	1.25
580-786022	78602/2	1:1:1	500	0.27	1.55	1.50	1.32	1.25
580-786028	78602/8	1:1:1	1000	0.35	1.55	1.50	1.32	1.25
580-786021	78602/1	1:1:1	2000	0.60	1.55	1.50	1.32	1.25
580-7860216	78602/16	1:1:1	5000	0.71	1.55	1.50	1.32	1.25
580-786029	78602/9	1:1:1	10000	0.71	1.55	1.50	1.32	1.25
580-786044	78604/4	2:1	100	0.41	1.55	1.50	1.32	1.25
580-786043	78604/3	2:1	200	0.49	1.55	1.50	1.32	1.25
580-786042	78604/2	2:1	500	0.65	1.55	1.50	1.32	1.25
580-786048	78604/8	2:1	1000	0.76	1.55	1.50	1.32	1.25
580-786041	78604/1	2:1	2000	0.99	1.55	1.50	1.32	1.25
580-7860416	78604/16	2:1	5000	1.61	1.55	1.50	1.32	1.25
580-786049	78604/9	2:1	10000	1.64	1.55	1.50	1.32	1.25
580-786134	78613/4	1CT:1	100	0.30	1.55	1.50	1.32	1.25
580-786133	78613/3	1CT:1	200	0.65	1.55	1.50	1.32	1.25
580-786132	78613/2	1CT:1	500	1.07	1.55	1.50	1.32	1.25
580-786138	78613/8	1CT:1	1000	1.13	1.55	1.50	1.32	1.25
580-786131	78613/1	1CT:1	2000	1.53	1.55	1.50	1.32	1.25
580-7861316	78613/16	1CT:1	5000	1.98	1.55	1.50	1.32	1.25
580-786139	78613/9	1CT:1	10000	3.83	1.55	1.50	1.32	1.25
580-786154	78615/4	1CT:1CT	100	1.21	1.55	1.50	1.32	1.25
580-786153	78615/3	1CT:1CT	200	3.64	1.55	1.50	1.32	1.25
580-786152	78615/2	1CT:1CT	500	6.86	1.55	1.50	1.32	1.25
580-786158	78615/8	1CT:1CT	1000	11.90	1.55	1.50	1.32	1.25
580-786151	78615/1	1CT:1CT	2000	16.00	1.55	1.50	1.32	1.25
580-7861516	78615/16	1CT:1CT	5000	37.70	1.55	1.50	1.32	1.25
580-786159	78615/9	1CT:1CT	10000	44.50	1.55	1.50	1.32	1.25
SMD Package								
580-786014M	78601/4M	1:1	100	0.19	1.55	1.50	1.32	1.25
580-786013M	78601/3M	1:1	200	0.20	1.55	1.50	1.32	1.25
580-786012M	78601/2M	1:1	500	0.25	1.55	1.50	1.32	1.25
580-786018M	78601/8M	1:1	1000	0.29	1.55	1.50	1.32	1.25
580-786011M	78601/1M	1:1	2000	0.47	1.55	1.50	1.32	1.25
580-7860116M	78601/16M	1:1	5000	0.47	1.55	1.50	1.32	1.25
580-786019M	78601/9M	1:1	10000	0.86	1.55	1.50	1.32	1.25
580-786024M	78602/4M	1:1:1	100	0.11	1.55	1.50	1.32	1.25
580-786023M	78602/3M	1:1:1	200	0.17	1.55	1.50	1.32	1.25
580-786022M	78602/2M	1:1:1	500	0.27	1.55	1.50	1.32	1.25
580-786028M	78602/8M	1:1:1	1000	0.35	1.55	1.50	1.32	1.25
580-786021M	78602/1M	1:1:1	2000	0.60	1.55	1.50	1.32	1.25
580-7860216M	78602/16M	1:1:1	5000	0.71	1.55	1.50	1.32	1.25
580-786029M	78602/9M	1:1:1	10000	0.71	1.55	1.50	1.32	1.25
580-786044M	78604/4M	2:1	100	0.41	1.55	1.50	1.32	1.25
580-786043M	78604/3M	2:1	200	0.49	1.55	1.50	1.32	1.25
580-786042M	78604/2M	2:1	500	0.65	1.55	1.50	1.32	1.25
580-786048M	78604/8M	2:1	1000	0.76	1.55	1.50	1.32	1.25
580-786041M	78604/1M	2:1	2000	0.99	1.55	1.50	1.32	1.25
580-7860416M	78604/16M	2:1	5000	1.61	1.55	1.50	1.32	1.25
580-786049M	78604/9M	2:1	10000	1.64	1.55	1.50	1.32	1.25
580-786134M	78613/4M	1CT:1	100	0.30	1.55	1.50	1.32	1.25
580-786133M	78613/3M	1CT:1	200	0.65	1.55	1.50	1.32	1.25
580-786132M	78613/2M	1CT:1	500	1.07	1.55	1.50	1.32	1.25
580-786138M	78613/8M	1CT:1	1000	1.13	1.55	1.50	1.32	1.25
580-786131M	78613/1M	1CT:1	2000	1.53	1.55	1.50	1.32	1.25
580-7861316M	78613/16M	1CT:1	5000	1.98	1.55	1.50	1.32	1.25
580-786139M	78613/9M	1CT:1	10000	3.83	1.55	1.50	1.32	1.25
580-786154M	78615/4M	1CT:1CT	100	1.21	1.55	1.50	1.32	1.25
580-786153M	78615/3M	1CT:1CT	200	3.64	1.55	1.50	1.32	1.25
580-786152M	78615/2M	1CT:1CT	500	6.86	1.55	1.50	1.32	1.25
580-786158M	78615/8M	1CT:1CT	1000	11.90	1.55	1.50	1.32	1.25
580-786151M	78615/1M	1CT:1CT	2000	16.00	1.55	1.50	1.32	1.25
580-7861516M	78615/16M	1CT:1CT	5000	37.70	1.55	1.50	1.32	1.25
580-786159M	78615/9M	1CT:1CT	10000	44.50	1.55	1.50	1.32	1.25

LOW VOLTAGE PC BOARD MOUNT LOW PROFILE POWER TRANSFORMERS

- Low profile mounting, dual - split bobbin design.
- Low primary to secondary coupling, balanced windings, no electrostatic shield required and low EMF radiation due to semi-toroidal design.
- CSA certified (File # LR3902) and UL recognized (File #E50394).
- Universal dual primary 115/230V - 50/60 Hz.
- High insulation - Hipot of 1,750V RMS.
- Class B insulation - 130 degrees C.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Size (VA)	Dimensions (In.)						Secondary (RMS)		Price Each			
				A	B	C	D	E	F	Series	Parallel	1	5	10	50
546-229E10	229E12	A	2	1.56	1.88	0.65	0.38	0.38	1.60	10V C.T. @ 250ma	5V @ 500ma	12.29	10.44	9.83	9.21
546-229E12	229E14	A	2	1.56	1.88	0.65	0.38	0.38	1.60	12.6V C.T. @ 200ma	6.3V @ 400ma	12.29	10.44	9.83	9.21
546-229A12	229A12	A	6	1.56	1.88	0.65	0.38	0.38	1.60	12.6V C.T. @ 450ma	6.3V @ 900ma	12.95	10.96	10.18	9.50
546-229B12	229B12	A	12	2.00	2.50	1.07	0.50	0.50	2.00	12.6V C.T. @ 900ma	6.3V @ 1.8a	16.88	14.34	13.50	12.66
546-229A16	229A16	A	6	1.56	1.88	0.65	0.38	0.38	1.60	16V C.T. @ 350ma	8V @ 700ma	12.83	10.90	10.26	9.62
546-229B16	229B16	A	12	2.00	2.50	1.07	0.50	0.50	2.00	16V C.T. @ 700ma	8V @ 1.4A	16.88	14.34	13.50	12.66
546-229A20	229A20	A	6	1.56	1.88	0.65	0.38	0.38	1.60	20V C.T. @ 300ma	10V @ 600ma	12.83	10.90	10.26	9.62
546-229B20	229B20	A	12	2.00	2.50	1.07	0.50	0.50	2.00	20V C.T. @ 600ma	10V @ 1.2A	16.88	14.34	13.50	12.66
546-229A24	229A24	A	6	1.56	1.88	0.65	0.38	0.38	1.60	24V C.T. @ 250ma	12V @ 500ma	12.83	10.90	10.26	9.62
546-229B24	229B24	A	12	2.00	2.50	1.07	0.50	0.50	2.00	24V C.T. @ 500ma	12V @ 1A	16.88	14.34	13.50	12.66
546-229E30	229E32	A	2	1.56	1.88	0.65	0.38	0.38	1.60	30V C.T. @ 85ma	15V @ 170ma	12.29	10.44	9.83	9.21
546-229A30	229A30	A	6	1.56	1.88	0.65	0.38	0.38	1.60	30V C.T. @ 200ma	15V @ 400ma	12.83	10.90	10.26	9.62
546-229B30	229B30	A	12	2.00	2.50	1.07	0.50	0.50	2.00	30V C.T. @ 400ma	15V @ 800ma	16.88	14.34	13.50	12.66
546-229B34	229B34	A	12	2.00	2.50	1.07	0.50	0.50	2.00	34V C.T. @ 340ma	17V @ 680ma	16.88	14.34	13.50	12.66
546-229A40	229A40	A	6	1.56	1.88	0.65	0.38	0.38	1.60	40V C.T. @ 150ma	20V @ 300ma	12.83	10.90	10.26	9.62
546-229B40	229B40	A	12	2.00	2.50	1.07	0.50	0.50	2.00	40V C.T. @ 300ma	20V @ 600ma	16.88	14.34	13.50	12.66
546-229A230	229A230	A	6	1.56	1.88	0.65	0.38	0.38	1.60	230V C.T. @ 25ma	115V @ 50ma	12.83	10.90	10.26	9.62



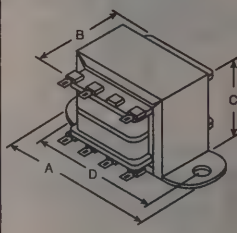
LOW VOLTAGE OPEN STYLE POWER TRANSFORMERS

- Choice of two primaries: Single Primary 115VAC or Dual Primary 115/230.
- Either series operates on 50/60 Hz.
- Combination solder or quick connect terminals.
- Split bobbin construction means no electrostatic shield is necessary.
- Hi-pot tested to 2 KV RMS.
- Economical open style, channel frame - chassis mount design
- UL listed & CSA certified.

Single Primary 115V **Dual Primary 115/230V**

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Price Each		Dimensions (In.)				MOUSER STOCK NO.	Hammond Part No.	Size VA	Secondary (RMS)	Current (Amps)	Price Each	
			1	5	A	B	C	D						1	5
546-187C10	187C10	B	9.54	8.11	2.81	1.37	1.62	2.37	546-186C10	186C10	12	10VCT	1.2	11.61	9.87
546-187B12	187B12	B	8.64	7.34	2.37	1.25	1.37	2.00	546-186B12	186B12	6.3	12.6VCT	0.5	10.53	8.95
546-187C12	187C12	B	9.54	8.11	2.81	1.37	1.62	2.37	546-186C12	186C12	12.6	12.6VCT	1	11.61	9.87
546-187D12	187D12	B	13.14	11.17	3.25	1.68	1.93	2.81	546-186D12	186D12	31.5	12.6VCT	2.5	14.94	12.70
546-187F12	187F12	B	24.39	20.73	4.03	2.25	2.56	3.50	546-186F12	186F12	100.8	12.6VCT	8	25.65	21.80
546-187C16	187C16	B	9.64	8.15	2.81	1.37	1.62	2.37	546-186C16	186C16	12.8	16VCT	0.8	11.61	9.87
546-187E20	187E22	B	18.09	15.38	3.68	1.81	2.25	3.12	546-186E20	186E22	56	20VCT	2.8	18.54	15.76
546-187D24	187D24	B	13.14	11.17	3.25	1.68	1.93	2.81	546-186D24	186D24	30	24VCT	1.25	14.94	12.70
546-187E24	187E26	B	18.09	15.38	3.68	1.81	2.25	3.12	546-186E24	186E26	57.6	24VCT	2.4	18.54	15.76
546-187F24	187F24	B	24.39	20.73	4.03	2.25	2.56	3.50	546-186F24	186F24	96	24VCT	4	25.65	21.80
546-187E36	187E38	B	18.09	15.38	3.68	1.81	2.25	3.12	546-186E36	186E38	54	36VCT	1.5	18.54	15.76
546-187F48	187F48	B	24.64	20.85	4.03	2.25	2.56	3.50	546-186F48	186F48	96	48VCT	2	25.65	21.80
546-187B120	187B120	B	8.64	7.34	2.37	1.25	1.37	2.00	546-186B120	186B120	6	120VCT	0.05	10.53	8.95



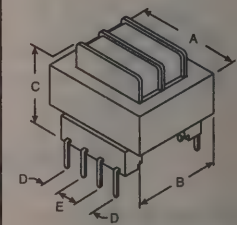
LOW VOLTAGE PC BOARD MOUNT LOW PROFILE POWER TRANSFORMERS

- Both series operate on 50/60 Hz current
- Low profile, split bobbin design.
- One year warranty
- High insulation - Hipot of 2,500V RMS.
- CSA certified (# LR3902) and UL recognized (# E50394).
- Dual winding secondaries, non-concentrically wound
- Low primary to secondary coupling - no electrostatic shield required.
- No mounting hardware required on 1.1 and 2.4 VA sizes, two hole mounting on 6, 12 and 20VA sizes, four hole mounting on 36VA size (mounting screws not provided). P.C. board mount with industry standard pin spacing.

Single Primary 115V **Dual Primary 115/230V**

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Hamm. Part No.	Fig.	Price Each		Dimensions (In.)					MOUSER STOCK NO.	Hamm. Part No.	Size VA	Secondary (RMS)		Price Each	
			1	5	A	B	C	D	E				Series	Parallel	1	5
546-164D10	164D10	C	8.44	7.17	1.38	1.13	1.31	0.25	0.25	546-162D10	162D10	1.1	10V C.T. @ .11A	5V @ .22A	9.81	8.34
546-164E10	164E10	C	8.49	7.22	1.38	1.13	1.19	0.25	0.25	546-162E12	162E12	2.4	10V C.T. @ .25A	5V @ .5A	9.94	8.45
546-164G10	164G10	C	11.04	9.39	1.88	1.56	1.50	0.30	0.40	546-162G10	162G10	12	10V C.T. @ 1.2A	5V @ 2.4A	12.38	10.52
546-164E12	164E12	C	8.49	7.22	1.88	1.56	1.50	0.30	0.40	546-162E12	162E12	2.4	12.6V C.T. @ .2A	6.3V @ .4A	9.94	8.45
546-164F12	164F12	C	9.76	8.30	1.63	1.31	1.31	0.25	0.35	546-162F12	162F12	6	12.6V C.T. @ .5A	6.3V @ 1.0A	10.76	9.15
546-164G12	164G12	C	11.04	9.39	1.88	1.56	1.50	0.30	0.40	546-162G12	162G12	12	12.6V C.T. @ 1.0A	6.3V @ 2.0A	12.38	10.52
546-164J16	164J16	C	16.09	13.68	2.63	2.19	1.56	0.40	0.40	546-162J16	162J16	36	16V C.T. @ 2.25A	8V @ 4.5A	18.04	15.33
546-164D20	164D20	C	8.44	7.17	1.38	1.13	1.31	0.25	0.25	546-162D20	162D20	1.1	20V C.T. @ .055A	10V @ .11A	9.81	8.34
546-164E20	164E20	C	8.49	7.22	1.38	1.13	1.19	0.25	0.25	546-162E20	162E20	2.4	20V C.T. @ .12A	10V @ .24A	9.94	8.45
546-164F20	164F20	C	9.76	8.30	1.63	1.31	1.31	0.25	0.35	546-162F20	162F20	6	20V C.T. @ .3A	10V @ .6A	10.76	9.15
546-164G20	164G20	C	11.04	9.39	1.88	1.56	1.50	0.30	0.40	546-162G20	162G20	12	20V C.T. @ .6A	10V @ 1.2A	12.38	10.52
546-164H20	164H20	C	13.26	11.27	2.25	1.88	1.44	0.30	0.40	546-162H20	162H20	20	20V C.T. @ 1A	10V @ 2.0A	15.09	12.83
546-164J20	164J20	C	16.09	13.68	2.63	2.19	1.56	0.40	0.40	546-162J20	162J20	36	20V C.T. @ 1.8A	10V @ 3.6A	18.04	15.33
546-164D24	164D24	C	8.44	7.17	1.38	1.13	1.31	0.25	0.25	546-162D24	162D24	1.1	24V C.T. @ .045A	12V @ .09A	9.81	8.34
546-164E24	164E24	C	8.49	7.22	1.38	1.13	1.19	0.25	0.25	546-162E24	162E24	2.4	24V C.T. @ .1A	12V @ .2A	9.94	8.45
546-164F24	164F24	C	9.76	8.30	1.63	1.31	1.31	0.25	0.35	546-162F24	162F24	6	24V C.T. @ .25A	12V @ .5A	10.76	9.15
546-164G24	164G24	C	11.04	9.39	1.88	1.56	1.50	0.30	0.40	546-162G24	162G24	12	24V C.T. @ .5A	12V @ 1.0A	12.38	10.52
546-164H24	164H24	C	13.39	11.33	2.25	1.88	1.44	0.30	0.40	546-162H24	162H24	20	24V C.T. @ .8A	12V @ 1.6A	15.09	12.83
546-164J24	164J24	C	16.09	13.68	2.63	2.19	1.56	0.40	0.40	546-162J24	162J24	36	24V C.T. @ 1.5A	12V @ 3.0A	18.04	15.33
546-164D28	164D28	C	8.44	7.17	1.38	1.13	1.31	0.25	0.25	546-162D28	162D28	1.1	28V C.T. @ .04A	14V @ .08A	9.81	8.34
546-164E28	164E28	C	8.49	7.22	1.38	1.13	1.19	0.25	0.25	546-162E28	162E28	2.4	28V C.T. @ .085A	14V @ .17A	9.94	8.45
546-164F28	164F28	C	9.76	8.30	1.63	1.31	1.31	0.25	0.35	546-162F28	162F28	6	28V C.T. @ .2A	14V @ .4A	10.76	9.15
546-164G28	164G28	C	11.15	9.44	1.88	1.56	1.50	0.30	0.40	546-162G28	162G28	12	28V C.T. @ .42A	14V @ .84A	12.38	10.52
546-164H28	164H28	C	13.26	11.27	2.25	1.88	1.44	0.30	0.40	546-162H28	162H28	20	28V C.T. @ .7A	14V @ 1.4A	15.09	12.83
546-164J28	164J28	C	16.09	13.68	2.63	2.19	1.56	0.40	0.40	546-162J28	162J28	36	28V C.T. @ 1.3A	14V @ 2.6A	18.04	15.33
546-164D36	164D36	C	8.44	7.17	1.38	1.13	1.31	0.25	0.25	546-162D36	162D36	1.1	36V C.T. @ .03A	18V @ .06A	9.81	8.34
546-164E36	164E36	C	8.49	7.22	1.38	1.13	1.19	0.25	0.25	546-162E36	162E36	2.4	36V C.T. @ .065A	18V @ .13A	9.94	8.45



HAMMOND Power Transformers

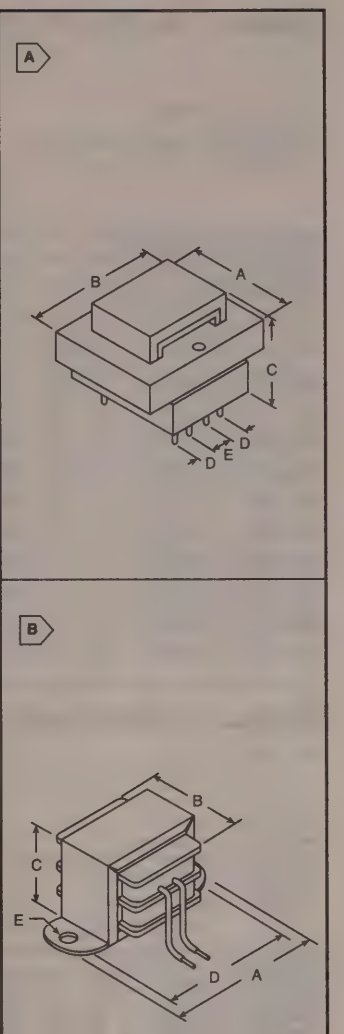
LOW VOLTAGE PC BOARD MOUNT UNIVERSAL

14 output voltages to choose from (5 - 36 VAC R.M.S.)
Six VA size models available from - 2.5 to 56VA
Universal operation on 50/60 Hz current, 115 or 230V dual primary
Low profile, split bobbin with top shroud design.
Dual winding secondaries, non-concentrically wound
Low primary to secondary coupling - no electrostatic shield required.
CSA certified (# LR3902) and UL recognized (# E50394).

- One year warranty
- High insulation - Hipot of 4,000V RMS.
- Class F insulation - 155 degrees C.
- Two hole mounting on 2.5, 5, 10 and 20VA sizes, four hole mounting on 30 and 56VA size (mounting screws not provided).
- P.C. board mount with industry standard pin spacing.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Size VA	Dimensions					Secondary (RMS)		Price Each			
				A	B	C	D	E	Series	Parallel	1	5	10	50
546-183E10	183E10	A	2.5	1.63	1.44	1.13	0.20	0.25	10V C.T. @ .25A	5V @ .5A	10.21	8.68	8.16	7.65
546-183F10	183F10	A	5	1.63	1.44	1.38	0.20	0.40	10V C.T. @ .5A	5V @ 1A	11.04	9.39	8.83	8.28
546-183G10	183G10	A	10	1.88	1.56	1.38	0.20	0.40	10V C.T. @ 1A	5V @ 2A	12.15	10.33	9.72	9.11
546-183H10	183H10	A	20	2.25	1.88	1.63	0.40	0.40	10V C.T. @ 2A	5V @ 4A	14.65	12.45	11.72	10.99
546-183J10	183J10	A	30	2.63	2.19	1.56	0.55	0.28	10V C.T. @ 3A	5V @ 6A	17.36	14.76	13.89	13.02
546-183K10	183K10	A	56	3.00	2.50	1.81	0.60	0.30	10V C.T. @ 5.6A	5V @ 11.2A	21.80	18.53	17.44	16.35
546-183E12	183E12	A	2.5	1.63	1.44	1.13	0.20	0.25	12.6V C.T. @ .2A	6.3V @ .4A	10.21	8.68	8.16	7.65
546-183F12	183F12	A	5	1.63	1.44	1.38	0.20	0.40	12.6V C.T. @ .4A	6.3V @ .8A	11.04	9.39	8.83	8.28
546-183G12	183G12	A	10	1.88	1.56	1.38	0.20	0.40	12.6V C.T. @ .8A	6.3V @ 1.6A	12.15	10.33	9.72	9.11
546-183H12	183H12	A	20	2.25	1.88	1.63	0.40	0.40	12.6V C.T. @ 1.6A	6.3V @ 3.2A	14.65	12.45	11.72	10.99
546-183J12	183J12	A	30	2.63	2.19	1.56	0.55	0.28	12.6V C.T. @ 2.4A	6.3V @ 4.8A	17.36	14.76	13.89	13.02
546-183K12	183K12	A	56	3.00	2.50	1.81	0.60	0.30	12.6V C.T. @ 4.4A	6.3V @ 8.8A	21.80	18.53	17.44	16.35
546-183E16	183E16	A	2.5	1.63	1.44	1.13	0.20	0.25	16V C.T. @ .15A	8V @ .3A	10.21	8.68	8.16	7.65
546-183F16	183F16	A	5	1.63	1.44	1.38	0.20	0.40	16V C.T. @ .31A	8V @ .62A	11.15	9.44	8.76	8.18
546-183G16	183G16	A	10	1.88	1.56	1.38	0.20	0.40	16V C.T. @ .62A	8V @ 1.25A	12.15	10.33	9.72	9.11
546-183H16	183H16	A	20	2.25	1.88	1.63	0.40	0.40	16V C.T. @ 1.25A	8V @ 2.5A	14.65	12.45	11.72	10.99
546-183J16	183J16	A	30	2.63	2.19	1.56	0.55	0.28	16V C.T. @ 1.9A	8V @ 3.8A	17.36	14.76	13.89	13.02
546-183K16	183K16	A	56	3.00	2.50	1.81	0.60	0.30	16V C.T. @ 3.5A	8V @ 7A	21.80	18.53	17.44	16.35
546-183E20	183E20	A	2.5	1.63	1.44	1.13	0.20	0.25	20V C.T. @ .12A	10V @ .24A	10.21	8.68	8.16	7.65
546-183F20	183F20	A	5	1.63	1.44	1.38	0.20	0.40	20V C.T. @ .25A	10V @ .5A	11.04	9.39	8.83	8.28
546-183G20	183G20	A	10	1.88	1.56	1.38	0.20	0.40	20V C.T. @ .5A	10V @ 1A	12.15	10.33	9.72	9.11
546-183H20	183H20	A	20	2.25	1.88	1.63	0.40	0.40	20V C.T. @ 1.0A	10V @ 2A	14.65	12.45	11.72	10.99
546-183J20	183J20	A	30	2.63	2.19	1.56	0.55	0.28	20V C.T. @ 1.5A	10V @ 3A	17.36	14.76	13.89	13.02
546-183K20	183K20	A	56	3.00	2.50	1.81	0.60	0.30	20V C.T. @ 2.8A	10V @ 5.6A	21.80	18.53	17.44	16.35
546-183E24	183E24	A	2.5	1.63	1.44	1.13	0.20	0.25	24V C.T. @ .1A	12V @ .2A	10.21	8.68	8.16	7.65
546-183F24	183F24	A	5	1.63	1.44	1.38	0.20	0.40	24V C.T. @ .21A	12V @ .42A	11.04	9.39	8.83	8.28
546-183G24	183G24	A	10	1.88	1.56	1.38	0.20	0.40	24V C.T. @ .42A	12V @ .84A	12.15	10.33	9.72	9.11
546-183H24	183H24	A	20	2.25	1.88	1.63	0.40	0.40	24V C.T. @ .83A	12V @ 1.66A	14.65	12.45	11.72	10.99
546-183J24	183J24	A	30	2.63	2.19	1.56	0.55	0.28	24V C.T. @ 1.25A	12V @ 2.5A	17.36	14.76	13.89	13.02
546-183K24	183K24	A	56	3.00	2.50	1.81	0.60	0.30	24V C.T. @ 2.33A	12V @ 4.66A	21.80	18.53	17.44	16.35
546-183E28	183E28	A	2.5	1.63	1.44	1.13	0.20	0.25	28V C.T. @ .09A	14V @ .18A	10.21	8.68	8.16	7.65
546-183F28	183F28	A	5	1.63	1.44	1.38	0.20	0.40	28V C.T. @ .18A	14V @ .36A	11.04	9.39	8.83	8.28
546-183G28	183G28	A	10	1.88	1.56	1.38	0.20	0.40	28V C.T. @ .36A	14V @ .72A	12.15	10.33	9.72	9.11
546-183H28	183H28	A	20	2.25	1.88	1.63	0.40	0.40	28V C.T. @ .72A	14V @ 1.44A	14.65	12.45	11.72	10.99
546-183J28	183J28	A	30	2.63	2.19	1.56	0.55	0.28	28V C.T. @ 1.06A	14V @ 2.12A	17.36	14.76	13.89	13.02
546-183K28	183K28	A	56	3.00	2.50	1.81	0.60	0.30	28V C.T. @ 2A	14V @ 4A	21.80	18.53	17.44	16.35
546-183E36	183E36	A	2.5	1.63	1.44	1.13	0.20	0.25	36V C.T. @ .07A	18V @ .14A	10.21	8.68	8.16	7.65
546-183F36	183F36	A	5	1.63	1.44	1.38	0.20	0.40	36V C.T. @ .14A	18V @ .28A	11.04	9.39	8.83	8.28
546-183G36	183G36	A	10	1.88	1.56	1.38	0.20	0.40	36V C.T. @ .28A	18V @ .56A	12.15	10.33	9.72	9.11
546-183H36	183H36	A	20	2.25	1.88	1.63	0.40	0.40	36V C.T. @ .56A	18V @ 1.12A	14.65	12.45	11.72	10.99
546-183J36	183J36	A	30	2.63	2.19	1.56	0.55	0.28	36V C.T. @ .82A	18V @ 1.64A	17.36	14.76	13.89	13.02
546-183K36	183K36	A	56	3.00	2.50	1.81	0.60	0.30	36V C.T. @ 1.56A	18V @ 3.12A	21.80	18.53	17.44	16.35



OPEN STYLE FILAMENT AND L.V. RECTIFIER USE TRANSFORMERS

Primary 115 VAC, 60 Hz
All secondaries center tapped, VAC (RMS)
Open style, channel bracket, two hole chassis mount

- Minimum 6" long leads
- Dual bobbin design - no electrostatic shield required
- Class B insulation (130° C)
- Hi-Pot test of 2,000 VRMS
- UL listed (#E50394) and CSA certified (#LR3902)

For quantities of 10 and up, call for quote.

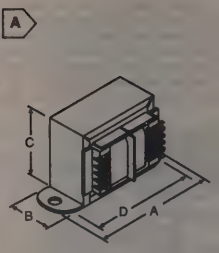
MOUSER STOCK NO.	Hammond Part No.	Fig.	Secondary (RMS)		Dimension (In.)					Price Each	
			VAC	Amps	A	B	C	D	E	1	5
546-166L5	166L5	B	5.0ct	2	2.81	1.63	1.69	2.38	.187	16.28	13.78
546-166MS	166MS	B	5.0ct	3	3.25	1.75	2.00	2.81	.187	12.11	10.25
546-166R5	166R5	B	5.0ct	8	3.69	2.00	2.31	3.13	.187	24.57	20.79
546-166RS	166RS	B	5.0ct	8	4.50	2.50	2.88	4.00	.203	20.20	17.09
546-166S5	166S5	B	5.0ct	10	3.69	2.13	2.31	3.13	.187	24.29	20.55
546-166U5	166U5	B	5.0ct	15	4.03	2.25	2.63	3.56	.187	27.85	23.56
546-166V5	166V5	B	5.0ct	20	4.50	2.50	2.88	4.00	.203	33.97	28.74
546-166J6	166J6	B	6.3ct	1	2.81	1.50	1.69	2.38	.187	16.16	13.67
546-166K6	166K6	B	6.3ct	1.2	2.81	1.50	1.69	2.38	.187	15.93	13.48
546-166L6	166L6	B	6.3ct	2	2.81	1.63	1.69	2.38	.187	16.25	13.75
546-166N6	166N6	B	6.3ct	4	3.25	1.75	2.00	2.81	.187	17.22	14.57
546-166Q6	166Q6	B	6.3ct	6	3.69	2.00	2.31	3.13	.187	23.80	20.13
546-166S6	166S6	B	6.3ct	10	4.03	2.25	2.63	3.56	.187	28.21	23.87
546-166E12	166E12	B	12.0ct	0.15	2.06	1.38	1.19	1.75	.187	17.33	14.67
546-166K12	166K12	B	12.0ct	1.2	3.25	1.63	2.00	2.81	.187	16.55	14.01
546-166F12	166F12	B	12.6ct	0.3	2.38	1.38	1.38	2.00	.187	15.03	12.72
546-166G12	166G12	B	12.6ct	0.5	2.81	1.50	1.69	2.38	.187	15.94	13.49
546-166J12	166J12	B	12.6ct	1	2.81	1.63	1.69	2.38	.187	16.51	13.97
546-166L12	166L12	B	12.6ct	2.5	3.25	2.00	2.00	2.81	.187	18.31	15.50
546-166N12	166N12	B	12.6ct	4	3.69	2.13	2.31	3.13	.187	21.19	17.93
546-166Q12	166Q12	B	12.6ct	6	4.03	2.25	2.63	3.56	.187	26.50	22.42
546-166R12	166R12	B	12.6ct	8	4.50	2.50	2.88	4.00	.203	29.39	24.87
546-166L22	166L22	B	22.0ct	2	3.69	2.13	2.31	3.13	.187	20.45	17.31
546-166C24	166C24	B	24.0ct	0.085	2.06	1.38	1.19	1.75	.187	17.25	14.60

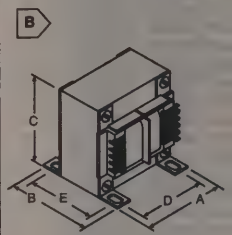
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Secondary (RMS)		Dimension (In.)					Price Each	
			VAC	Amps	A	B	C	D	E	1	5
546-166L24	166L24	B	24.0ct	2	3.69	2.13	2.31	3.13	.187	20.58	17.41
546-166N24	166N24	B	24.0ct	4	4.50	2.50	2.88	4.00	.203	28.66	24.25
546-166D25	166D25	B	25.0ct	0.1	2.06	1.38	1.19	1.75	.187	17.45	14.77
546-166E25	166E25	B	25.0ct	0.15	2.38	1.38	1.38	2.00	.187	15.07	12.75
546-166F25	166F25	B	25.0ct	0.3	2.81	1.50	1.69	2.38	.187	15.97	13.51
546-166G25	166G25	B	25.0ct	0.5	2.81	1.63	1.69	2.38	.187	16.25	13.75
546-166J25	166J25	B	25.0ct	1	3.25	1.75	2.00	2.81	.187	17.25	14.60
546-166K25	166K25	B	25.0ct	1.5	3.69	1.88	2.31	3.13	.187	20.15	17.05
546-166L25	166L25	B	25.0ct	2	3.69	2.13	2.31	3.13	.187	20.77	17.57
546-166M25	166M25	B	25.0ct	3	4.03	2.25	2.63	3.56	.187	25.76	21.80
546-166F28	166F28	B	28.0ct	0.25	2.81	1.50	1.69	2.38	.187	15.94	13.49
546-166G28	166G28	B	28.0ct	0.5	2.81	1.63	1.69	2.38	.187	16.47	13.94
546-166J28	166J28	B	28.0ct	1	3.25	2.00	2.00	2.81	.187	17.26	14.61
546-166L28	166L28	B	28.0ct	2	3.69	2.13	2.31	3.13	.187	23.65	20.01
546-166E30	166E30	B	30.0ct	0.15	2.38	1.38	1.38	2.00	.187	15.19	12.85
546-166F30	166F30	B	30.0ct	0.25	2.81	1.50	1.69	2.38	.187	16.01	13.55
546-166G30	166G30	B	30.0ct	0.5	3.25	1.63	2.00	2.81	.187	16.34	13.82
546-166J33	166J33	B	33.0ct	1	3.25	2.00	2.00	2.81	.187	17.75	15.02
546-166K35	166K35	B	35.0ct	1.5	3.69	2.13	2.31	3.13	.187	21.00	17.77
546-166E36	166E36	B	36.0ct	0.15	2.38	1.50	1.38	2.00	.187	16.02	13.56
546-166F36	166F36	B	36.0ct	0.3	2.81	1.63	1.69	2.38	.187	16.17	13.68
546-166G36	166G36	B	36.0ct	0.5	3.25	1.63	2.00	2.81	.187	16.55	14.01
546-166J36	166J36	B	36.0ct	1	3.69	1.88	2.31	3.13	.187	20.18	17.08

GLOBAL USE - TERMINAL CONNECTION L.V. RECTIFIER USE TRANSFORMERS

- Dual primary 115/230 VAC
- 50/60 Hz operation
- Dual secondaries for series or parallel connections
- 4,000 V RMS Hi-Pot test
- Chassis mount
- Dual bobbin construction
- Dual use terminals (solder lug or quick connect)
- UL recognized to UL 506
- CSA certified to C22.2 #66
- CE certified to IEC 950



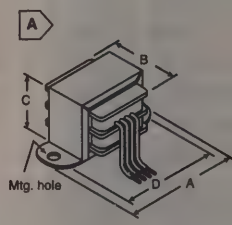


For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	VA	Secondary VAC (RMS)		Dimensions (In.)					Price Each			
				Series	Parallel	A	B	C	D	E	1	5	10	50
546-185C12	185C12	A	25	12.6VCT @ 2.0A	6.3V @ 4.0A	2.81	1.87	2.31	2.37	---	15.15	12.82	12.26	11.90
546-185D12	185D12	A	43	12.6VCT @ 3.4A	6.3V @ 6.8A	3.12	2.06	2.68	2.81	---	19.49	16.49	15.77	15.31
546-185E12	185E12	B	80	12.6VCT @ 6.3A	6.3V @ 12.6A	2.50	2.37	3.00	2.00	2.18	26.25	22.21	21.25	20.63
546-185F12	185F12	B	130	12.6VCT @ 10.3A	6.3V @ 20.6A	2.81	2.87	3.37	2.25	2.50	35.35	29.91	28.60	27.77
546-185G12	185G12	B	175	12.6VCT @ 14.0A	6.3V @ 28.0A	3.12	2.87	3.75	2.50	2.50	40.91	34.62	33.10	32.14
546-185C24	185C24	A	25	24VCT @ 1.0A	12V @ 2.0A	2.81	1.87	2.31	2.37	---	15.15	12.82	12.26	11.90
546-185D24	185D24	A	43	24VCT @ 1.8A	12V @ 3.6A	3.12	2.06	2.68	2.81	---	19.49	16.49	15.77	15.31
546-185E24	185E24	B	80	24VCT @ 3.3A	12V @ 6.6A	2.50	2.37	3.00	2.00	2.18	26.25	22.21	21.25	20.63
546-185F24	185F24	B	130	24VCT @ 5.4A	12V @ 10.8A	2.81	2.87	3.37	2.25	2.50	35.35	29.91	28.60	27.77
546-185G24	185G24	B	175	24VCT @ 7.3A	12V @ 14.6A	3.12	2.87	3.75	2.50	2.50	40.91	34.62	33.10	32.14
546-185C36	185C36	A	25	36VCT @ 0.7A	18V @ 1.4A	2.81	1.87	2.31	2.37	---	15.15	12.82	12.26	11.90
546-185D36	185D36	A	43	36VCT @ 1.2A	18V @ 2.4A	3.12	2.06	2.68	2.81	---	19.49	16.49	15.77	15.31
546-185E36	185E36	B	80	36VCT @ 2.2A	18V @ 4.4A	2.50	2.37	3.00	2.00	2.18	26.25	22.21	21.25	20.63
546-185F36	185F36	B	130	36VCT @ 3.6A	18V @ 7.2A	2.81	2.87	3.37	2.25	2.50	35.35	29.91	28.60	27.77
546-185G36	185G36	B	175	36VCT @ 4.8A	18V @ 9.6A	3.12	2.87	3.75	2.50	2.50	40.91	34.62	33.10	32.14
546-185C230	185C230	A	25	230VCT @ 0.11A	115V @ 0.22A	2.81	1.87	2.31	2.37	---	15.15	12.82	11.90	11.11
546-185D230	185D230	A	43	230VCT @ 0.19A	115V @ 0.38A	3.12	2.06	2.68	2.81	---	19.49	16.49	15.77	15.31
546-185E230	185E230	B	80	230VCT @ 0.35A	115V @ 0.7A	2.50	2.37	3.00	2.00	2.18	26.25	22.21	21.25	20.63
546-185F230	185F230	B	130	230VCT @ 0.57A	115V @ 1.14A	2.81	2.87	3.37	2.25	2.50	35.35	29.91	28.60	27.77
546-185G230	185G230	B	175	230VCT @ 0.76A	115V @ 1.52A	3.12	2.87	3.75	2.50	2.50	40.91	34.62	33.10	32.14

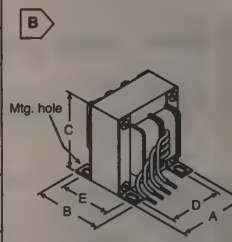
FILAMENT AND L. V. RECTIFIER USE TRANSFORMERS

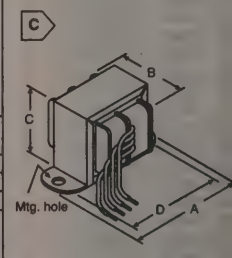
- Primary 117/234 VAC 50/60 Hz
- All units have dual secondaries, can be connected as center tapped or used individually
- Open style
- Minimum 6" long leads
- Dual bobbin design - no electrostatic shield required
- Class B insulation (130° C)
- Hi-Pot test of 2,000V RMS
- UL listed(#E50394) and CSA certified (#LR3902)



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	VA	Secondary VAC (RMS)		Dimensions (In.)					Mounting Hole	Price Each			
				Series	Parallel	A	B	C	D	E		1	5	10	50
546-266M5	266M5	A	15	5.0V @ 3A	2.5V @ 6A	3.25	2.06	2.00	2.81	---	0.187	16.66	14.16	13.33	12.50
546-266GB6	266GB6	A	3.8	6.3V@ 0.6A	3.15V @ 1.2A	2.38	1.48	1.43	2.00	---	0.187	12.00	10.20	9.60	9.00
546-266JB6	266JB6	A	7.6	6.3V @ 1.2A	3.15V @ 2.4A	2.82	1.69	1.69	2.38	---	0.187	15.56	13.23	12.45	11.67
546-266M6	266M6	A	18.9	6.3V @ 3A	3.15V @ 6A	3.25	2.06	2.00	2.81	---	0.187	19.56	16.63	15.65	14.67
546-266PA6	266PA6	A	37.8	6.3V @ 6A	3.15V @ 12A	4.00	2.25	2.62	3.56	---	0.187	23.34	19.84	18.67	17.51
546-266GD12	266GD12	A	8.4	12.0V @ 0.7A	6.0V @ 1.4A	2.82	1.69	1.69	2.38	---	0.187	15.56	13.23	12.45	11.67
546-266JB12	266JB12	A	14.4	12.0V @ 1.2A	6.0V @ 2.4A	3.25	2.06	2.00	2.81	---	0.187	16.66	14.16	13.33	12.50
546-266F12	266F12	A	3.8	12.6V @ 0.3A	6.3V @ 0.6A	2.38	1.50	1.45	2.00	---	0.187	14.14	11.97	11.44	11.11
546-266J12	266J12	A	12.6	12.6V @ 1A	6.3V @ 2A	3.25	1.75	2.00	2.81	---	0.187	15.15	12.82	12.26	11.90
546-266K12	266K12	A	18.9	12.6V @ 1.5A	6.3V @ 3A	3.25	2.06	2.00	2.81	---	0.187	19.56	16.63	15.65	14.67
546-266L12	266L12	A	31.5	12.6V @ 2.5A	6.3V @ 5A	3.69	2.20	2.31	3.13	---	0.187	18.18	15.38	14.28	13.33
546-266M12	266M12	A	38	12.6V @ 3A	6.3V @ 6A	3.69	2.31	2.31	3.13	---	0.187	23.34	19.84	18.67	17.51
546-266N12	266N12	A	50.4	12.6V @ 4A	6.3V @ 8A	4.00	2.40	2.62	3.56	---	0.187	21.22	17.95	17.17	16.67
546-266J14	266J14	A	14	14V @ 1A	7V @ 2A	3.25	2.06	2.00	2.81	---	0.187	16.66	14.16	13.33	12.50
546-266L14	266L14	A	28	14V @ 2A	7V @ 4A	3.69	2.00	2.31	3.13	---	0.187	23.34	19.84	18.67	17.51
546-266PA14	266PA14	B	84	14V @ 6A	7V @ 12A	2.81	2.85	3.44	2.25	2.38	.203 x .375	32.68	27.78	26.14	24.51
546-266J16	266J16	A	16	16V @ 1A	8V @ 2A	3.25	1.90	2.00	2.81	---	0.187	19.19	16.23	15.53	15.08
546-266L16	266L16	A	35.2	16V @ 2.2A	8V @ 4.4A	3.69	2.20	2.35	3.13	---	0.187	20.20	17.09	16.35	15.87
546-266M16	266M16	A	48	16V @ 3A	8V @ 6A	4.00	2.30	2.62	3.56	---	0.187	22.23	18.81	17.98	17.46
546-266G20	266G20	C	10	20V @ 0.5A	10V @ 1A	2.88	1.90	2.37	2.38	---	0.187	14.14	11.97	11.44	11.11
546-266L20	266L20	A	40	20V @ 2A	10V @ 4A	4.00	2.25	2.62	3.56	---	0.187	23.34	19.84	18.67	17.51
546-266C24	266C24	A	2	24V @ 0.085A	12V @ 0.17A	2.06	1.38	1.19	1.75	---	0.187	12.00	10.20	9.60	9.00
546-266EA24	266EA24	A	4.8	24V @ 0.2A	12 @ 0.4A	2.38	1.60	1.45	2.00	---	0.187	12.00	10.20	9.60	9.00
546-266FB24	266FB24	A	9.6	24V @ 0.4A	12V @ 0.8A	2.82	1.69	1.69	2.38	---	0.187	15.56	13.23	12.45	11.67
546-266G24	266G24	C	12	24V @ 0.5A	12V @ 1A	2.88	1.90	2.37	2.38	---	0.187	14.14	11.97	11.44	11.11
546-266GD24	266GD24	A	16.8	24V @ 0.7A	12V @ 1.4A	3.25	2.06	2.00	2.81	---	0.187	19.56	16.63	15.65	14.67
546-266J24	266J24	C	24	24V @ 1A	12V @ 2A	3.13	2.00	2.75	2.81	---	0.187	17.78	15.05	14.39	13.97
546-266L24	266L24	C	48	24V @ 2A	12V @ 4A	3.56	2.25	3.12	3.13	---	0.187	20.20	17.09	16.35	15.87
546-266N24	266N24	B	96	24V @ 4A	12V @ 8A	2.81	3.06	3.38	2.25	2.50	.203 x .375	31.31	26.49	25.34	24.60
546-266PA24	266PA24	B	144	24V @ 6A	12V @ 12A	3.13	3.75	3.81	2.50	2.88	.203 x .375	55.56	47.23	44.45	41.67
546-266S24	266S24	B	240	24V @ 10A	12V @ 20A	3.44	3.60	4.30	2.75	3.00	.203 x .375	60.00	51.00	48.00	45.00
546-266J25	266J25	A	25.2	25.2V @ 1A	12.6V @ 2A	3.25	2.06	2.00	2.81	---	0.187	19.56	16.63	15.65	14.67
546-266LH25	266LH25	A	70.6	25.2V @ 2.8A	12.6V @ 5.6A	4.00	2.25	2.62	3.56	---	0.187	32.68	27.78	26.14	24.51
546-266J26	266J26	A	26.5	26.8V @ 1A	13.4V @ 2A	3.25	2.06	2.00	2.81	---	0.187	19.56	16.63	15.65	14.67
546-266L28	266L28	B	56	28V @ 2A	14V @ 4A	2.50	2.50	3.06	2.00	2.25	.203 x .375	32.68	27.78	26.14	24.51
546-266K35	266K35	A	52.5	35V @ 1.5A	17.5V @ 3A	4.00	2.25	2.62	3.56	---	0.187	23.34	19.84	18.67	17.51
546-266J48	266J48	C	48	48V @ 1A	24V @ 2A	3.56	2.20	3.12	3.13	---	0.187	20.20	17.09	16.35	15.87
546-266L48	266L48	B	96	48V @ 2A	24V @ 4A	2.81	3.06	3.38	2.25	2.50	.203 x .375	31.31	26.49	25.34	24.60
546-266M48	266M48	B	144	48V @ 3A	24V @ 6A	3.13	3.06	3.84	2.50	2.50	.203 x .375	38.39	32.48	31.06	30.16
546-266N48	266N48	B	192	48V @ 4A	24V @ 8A	3.44	3.62	4.22	2.75	3.00	.203 x .375	50.51	42.74	40.88	39.69





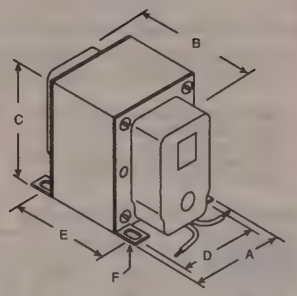
PUSH - PULL "CLASSIC" TUBE TYPE - ULTRA LINEAR OUTPUT TRANSFORMERS

Designed for push-pull tube output circuits
Enclosed (shielded), 4 slot, above chassis Type "X" mounting, both end bells include knockouts for optional above chassis wiring
Frequency response 30 Hz to 30 kHz @ full rated power (± 1 db max. ref. 1 kHz) minimum

- Insulated flexible leads 8" min.
- All units include 40% screen taps for Ultra-Linear operation (if desired)
- Typical applications - Push-Pull: triode, Ultra-Linear pentode, pentode and tetrode connected audio output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Audio Watts	Impedance		Dimensions (In.)						Price Each		
			Primary	Secondary	A	B	C	D	E (±1/16")	F (slot)	1	5	10
546-1608	1608	10	8,000 ct	4/8/16	2.50	2.75	3.06	2.00	1.69	.203 x .38	40.91	34.62	32.14
546-1609	1609	10	10,000 ct	4/8/16	2.50	2.75	3.06	2.00	1.69	.203 x .38	40.91	34.62	32.14
546-1615	1615	15	5,000 ct	4/8/16	2.50	3.25	3.06	2.00	2.19	.203 x .38	45.75	38.71	35.95
546-1620	1620	20	6,600 ct	4/8/16	2.50	3.50	3.06	2.00	2.44	.203 x .38	46.91	39.69	36.86
546-1650F	1650F	25	7,600 ct	4/8/16	2.50	3.50	3.06	2.00	2.44	.203 x .38	61.36	51.92	48.21
546-1645	1645	30	5,000 ct	4-8-16-70V	3.13	3.50	3.81	2.50	2.19	.203 x .38	61.36	51.92	48.21
546-1650H	1650H	40	6,600 ct	4/8/16	3.13	4.00	3.81	2.50	2.69	.203 x .38	93.98	79.52	73.84
546-1650K	1650K	50	3,400 ct	4/8/16	3.13	4.00	3.81	2.50	2.69	.203 x .38	99.04	83.80	77.82
546-1650N	1650N	60	4,300 ct	4/8/16	3.13	4.25	3.81	2.50	2.94	.203 x .38	88.64	75.00	69.64
546-1650P	1650P	60	6,600 ct	4/8/16	3.13	4.25	3.81	2.50	2.94	.203 x .38	88.64	75.00	69.64
546-1650R	1650R	100	5,000 ct	4/8/16	3.75	4.25	4.56	3.00	3.06	.203 x .38	92.05	77.88	72.32
546-1650T	1650T	120	1,900 ct	4/8/16	3.75	4.50	4.56	3.00	3.31	.203 x .38	106.98	90.52	84.05
546-1650W	1650W	280	1,900 ct	4/8/16	4.38	7.50	5.25	3.50	5.88	.203 x .38	204.55	173.08	160.71



"CLASSIC" ENCLOSED PLATE AND FILAMENT TRANSFORMERS

Universal Primary, 100, 110, 120, 200, 220, 240 VAC, 50/60 Hz
H.V.DC current measured with wave C.T. rectifier and capacitor input filter
Concentric wound windings for low stray field and low noise
Includes bias tap (50 VAC) from high voltage C.T.
Enclosed, 4 hole chassis mount
Minimum 6" long leads

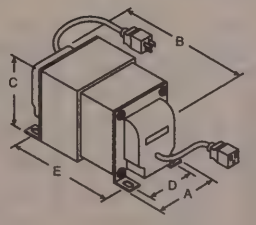
- Class A insulation (105° C)
- Hi-Pot test of 2,000 VRMS
- Conservative design - CSA certified (#LR3902)
- P/N 300BX designed for use with 300B tube designs and the 302AX designed for 2A3 tube designs

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Total PWR (VA)	Secondary		Bias Tap (VAC)	Filament #1 (VAC)	Filament #2 (VAC)	Filament #3 (VAC)	Dimensions (In.)						Price Each
			(RMS)	DC (ma)					A	B	C	D	E	F (slot)	
546-300BX	300BX	280	400-0-400	250	50	5Vct@1.2A	5Vct@3A	6.3Vct@6A	3.75	5.00	4.56	3.00	3.81	.203 x .38	136.36
546-302AX	302AX	198	300-0-300	200	50	2.5Vct@2.5A	5Vct@3A	6.3Vct@6A	3.75	4.00	4.56	3.00	2.81	.203 x .38	109.09
546-363CX	363CX	119	180-0-180	250	50	5Vct@3A	---	---	3.13	3.75	3.81	2.50	2.44	.203 x .38	81.82
546-369AX	369AX	40	125-0-125	100	50	6.3Vct@2A	---	---	2.50	2.75	3.06	2.00	1.69	.203 x .38	54.55
546-369BX	369BX	39	150-0-150	75	50	6.3Vct@2A	---	---	2.50	2.75	3.06	2.00	1.69	.203 x .38	54.55
546-369EX	369EX	45	190-0-190	65	50	6.3Vct@2.5A	---	---	2.50	2.75	3.06	2.00	1.69	.203 x .38	51.82
546-369GX	369GX	50	225-0-225	65	50	6.3Vct@2.5A	---	---	2.50	2.75	3.06	2.00	1.69	.203 x .38	54.55
546-369JX	369JX	50	250-0-250	60	50	6.3Vct@2.5A	---	---	2.50	2.75	3.06	2.00	1.69	.203 x .38	55.91
546-370AX	370AX	44	240-0-240	50	50	6.3Vct@2.5A	---	---	2.50	2.75	3.06	2.00	1.69	.203 x .38	58.64
546-370BX	370BX	55	275-0-275	50	50	5Vct@2A	6.3Vct@2A	---	2.50	3.00	3.06	2.00	1.94	.203 x .38	61.36
546-370FX	370FX	142	275-0-275	150	50	5Vct@3A	6.3Vct@5A	---	3.13	4.25	3.81	2.50	2.94	.203 x .38	81.82
546-370HX	370HX	180	275-0-275	200	50	5Vct@3A	6.3Vct@6A	---	3.13	4.25	3.81	2.50	2.94	.203 x .38	103.64
546-372BX	372BX	98	300-0-300	100	50	5Vct@2A	6.3Vct@3A	---	3.13	3.50	3.81	2.50	2.19	.203 x .38	72.27
546-372FX	372FX	150	300-0-300	150	50	5Vct@3A	6.3Vct@5A	---	3.13	4.25	3.81	2.50	2.94	.203 x .38	92.73
546-372JX	372JX	243	300-0-300	250	50	5Vct@4A	6.3Vct@8A	---	3.75	4.50	4.56	3.00	3.34	.203 x .38	111.82
546-373BX	373BX	187	350-0-350	175	50	5Vct@3A	6.3Vct@5A	---	3.75	4.00	4.56	3.00	2.81	.203 x .38	95.45
546-373X	373X	125	350-0-350	110	50	5Vct@2A	6.3Vct@4A	---	3.13	3.75	3.81	2.50	2.44	.203 x .38	89.29
546-374BX	374BX	200	375-0-375	175	50	5Vct@3A	6.3Vct@6A	---	3.75	4.00	4.56	3.00	2.81	.203 x .38	102.27
546-378CX	378CX	465	400-0-400	465	50	6.3Vct@6A	---	---	4.38	6.00	5.50	3.50	3.54	.203 x .38	139.09
546-378X	378X	237	400-0-400	200	50	5Vct@3A	6.3Vct@6A	---	3.75	3.06	4.56	3.00	3.06	.203 x .38	129.55

LINE ISOLATION PLUG & RECEPTACLE TRANSFORMERS

Features:
Primary 115 VAC, 50/60 Hz, Secondary 115 VAC
Provides circuit isolation
Electrostatic shield between primary and secondary
Standard 3-wire, grounded plug and receptacle
Hi-Pot tested to 2 KV RMS
Circuit breaker in primary
Input (primary) connected to 5 foot long cord and standard North American plug (NEMA 5-15P)
Onput (secondary) connected to 1 foot long 3-wire, standard North American grounded receptacle (NEMA 5-15R)
North American Mark of Safety - C UL and UL listed



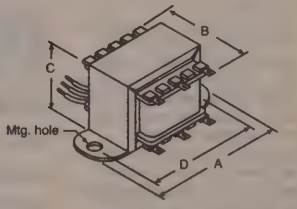
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Cap. VA	Dimension (In.)					Price Each		
			A	B	C	D	E	1	5	10
546-171A	171A	100	3.80	5.06	4.68	3.00	3.38	68.26	57.76	53.64
546-171B	171B	200	3.80	5.56	4.68	3.00	3.88	82.55	69.85	64.86
546-171C	171C	300	3.80	6.06	4.68	3.00	4.38	86.50	73.19	67.96
546-171E	171E	500	3.80	7.06	4.68	3.00	5.38	122.10	103.32	95.94
546-171F	171F	750	4.40	8.70	5.39	3.50	6.78	215.50	182.34	169.32
546-171G	171G	1000	5.28	7.75	6.38	4.25	4.38	190.91	161.54	154.50

UNIVERSAL SINGLE ENDED OR PUSH-PULL OUTPUT TRANSFORMERS

Features:

- Designed for general purpose or replacement use in single ended or push-pull tube output circuits
- Open style with minimum 5" long primary leads, secondary solder lugs for convenient secondary connections
- Minimum frequency response 150 Hz - 15 kHz (± 1 db max. ref 1 kHz) @ full rated power
- Tables provided with each transformer listing 90 pre-calculated impedance ratios
- Primary impedances from 1,200 - 25,000 Ω
- Secondary impedances from 1.5 - 15 Ω



For quantities of 50 and up, call for quote.

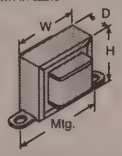
MOUSER STOCK NO.	Hammond Part No.	Audio Watts	Max. DC Bais	Dimension (In.)				Mtg. Hole	Price Each		
				A	B	C	D		1	5	10
546-125A	125A	3	25	2.06	1.25	1.19	1.75	.187	29.86	25.27	23.46
546-125B	125B	5	45	2.38	1.38	1.38	2.00	.187	30.34	25.67	23.84
546-125C	125C	8	60	2.81	1.50	1.69	2.38	.187	25.61	21.67	20.12
546-125D	125D	10	70	3.25	1.75	2.00	2.81	.187	29.70	25.13	23.34
546-125E	125E	15	80	3.69	2.00	2.31	3.13	.187	33.11	28.02	26.01

Power, Plug-In, and Variable Transformers

XICON POWER TRANSFORMERS

Dimensions are shown in table

H = Height
D = Depth
W = Width
Mtg. = Mounting hole space



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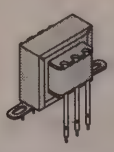

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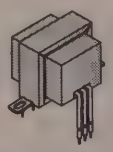

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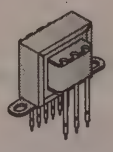

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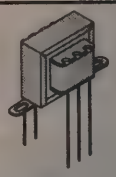

These power transformers feature 115VAC/60Hz primaries, in six popular outputs. They have 6" color coded leads for positive identification. UL rating on many of these allow for hassle-free design of finished products.

- Lead color coding: primary = black, secondary = red/white
- Full load voltage tolerance: ±2%
- Voltage regulation: <15%
- Hi-pot test voltage: 1500VAC 60Hz for 1 minute
- Coil-to-coil insulation: 200MΩ @ 500VDC

* As indicated
E93874(S)

Heavy Duty Power Transformers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Secondary		Dimensions (In.)				Price Each		
		Volts	Amps	H	W	D	Mtg.	1	10	100
41FD200	A	6.3CT	.2	1.3	1.5	1.1	1.9	4.06	3.38	3.07
41FD010	A	6.3CT	1.0	1.65	2.0	1.9	2.4	4.79	3.99	3.63
41FD030	A	6.3CT	3.0	1.95	2.5	1.95	2.8	6.98	5.82	5.29
*41LF100	B	10.0CT	.1	1.25	1.5	1.2	1.8	5.12	4.28	3.87
41FG100	A	12.6CT	.1	1.25	1.5	1.1	1.71	2.74	2.28	2.07
41FG200	A	12.6CT	.2	1.25	1.5	1.25	1.9	3.43	2.89	2.63
41FG300	A	12.6CT	.3	1.65	1.75	1.55	2.1	3.84	3.20	2.91
41FG010	A	12.6CT	1.0	1.75	2.1	1.6	2.3	5.85	4.88	4.43
41FG020	A	12.6CT	2.0	2.0	2.35	2.1	2.9	11.29	9.60	8.73
41FJ300	A	18.0CT	.3	1.5	1.7	1.4	2.1	4.55	3.79	3.44
41FJ600	A	18.0CT	.6	1.75	2.0	1.6	2.4	6.49	5.39	4.91
41FJ010	A	18.0CT	1.0	1.95	2.4	1.65	2.9	8.28	6.89	6.27
41LJ015	B	18.0CT	1.5	2.01	2.36	2.32	2.82	12.24	10.25	9.31
41FJ020	A	18.0CT	2.0	2.25	2.63	2.25	3.2	9.36	7.79	7.08
41FK200	A	24.0CT	.2	1.5	1.75	1.4	2.1	4.29	3.59	3.27
41FK300	A	24.0CT	.3	1.69	1.97	1.5	2.48	4.99	4.17	3.79
41FK600	A	24.0CT	.6	1.7	2.0	1.7	2.3	7.44	6.19	5.64
41FK010	A	24.0CT	1.0	1.95	2.35	1.9	2.8	8.28	6.89	6.27
*41LK015	B	24.0CT	1.5	2.01	2.36	2.32	2.82	14.18	11.83	10.74
41LK010	B	25.2CT	1.0	2.0	2.5	2.25	2.8	11.73	10.66	9.69

Dual Secondary Power Transformers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dual Secondary Volts	Amps	Dimensions (In.)				Price Each		
				H	W	D	Mtg.	1	10	100
41HK200	C	24.0CT/24.0CT	.2	1.65	2.0	1.85	2.35	8.17	7.43	6.75

Multi-Tapped Power Transformer

Secondary voltages are as shown. 6" leads are color coded for easy identification. The secondary common is black

- Current rating: .3A
- Primary rating: 115/220, 50/60Hz

For quantities of 500 and up, call for quot

MOUSER STOCK NO.	Fig.	Secondary Volts	Dimensions (In.)				Price Each		
			H	W	D	Mtg.	1	10	100
41FW300	C	12.0, 9.0, 6.0, 4.5, 3.0	1.375	1.75	1.5	2.05	3.22	2.68	2.44

PC Mount Power Transformers

For quantities of 500 and up, call for quot

MOUSER STOCK NO.	Fig.	Secondary		Dimensions (In.)				Price Each		
		Volts	Amps	H	W	D	Mtg.	1	10	100
41PG006	D	12.6CT	.06	1.05	1.18	1.0	1.65	2.76	2.29	2.09
41PG120	D	12.0CT	.12	1.25	1.5	1.18	1.75	3.34	2.78	2.53
41PG300	D	12.6CT	.3	1.38	1.75	1.4	2.05	3.04	2.53	2.30
41PG600	D	12.6CT	.6	1.75	2.0	1.5	2.36	5.18	4.31	3.92
41PK100	D	24.0CT	.1	1.5	1.75	1.25	2.05	3.44	2.89	2.63
41PK200	D	24.0CT	.2	1.4	1.75	1.33	2.05	4.55	3.79	3.43
41PK600	D	24.0CT	.6	1.75	2.0	1.58	2.4	6.35	5.29	4.81

amveco PLUG-IN TRANSFORMERS

Specifications:

- Input voltage: 120VAC
- Protected by thermal/current fuse

For quantities of 100 and up, call for quot

MOUSER STOCK NO.	Color	Output Voltage (VAC)	Output Power (VA)	Output Current (A)	Price Each			
					1	10	20	50
507-XT1220	White	12	20	1.666	7.61	6.89	6.46	6.25
507-XT1620	White	16.5	20	1.212	7.61	6.89	6.46	6.25
507-XT1820	White	18	20	1.11	7.61	6.89	6.46	6.25
507-XT2420	White	24	20	0.833	7.61	6.89	6.46	6.25
507-XT1240	White	12	40	3.33	9.50	8.57	8.03	7.77
507-XT1640	White	16.5	40	2.424	9.50	8.57	8.03	7.77
507-XT1840	White	18	40	2.222	9.50	8.57	8.03	7.77
507-XT2440	White	24	40	1.666	9.50	8.57	8.03	7.77

STACO ENERGY PRODUCTS CO. VARIABLE TRANSFORMERS AC VOLTAGE CONTROLS

DIMENSIONS (IN

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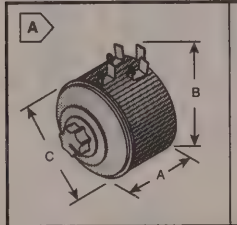

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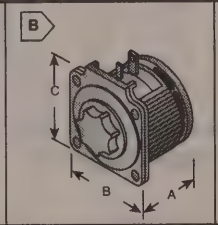

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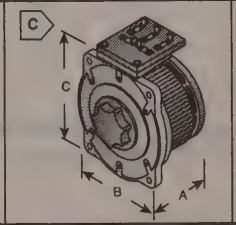

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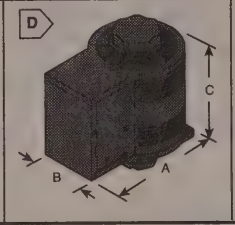

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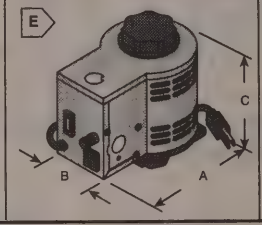

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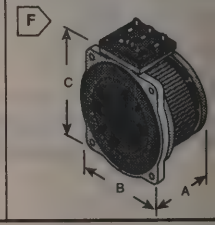
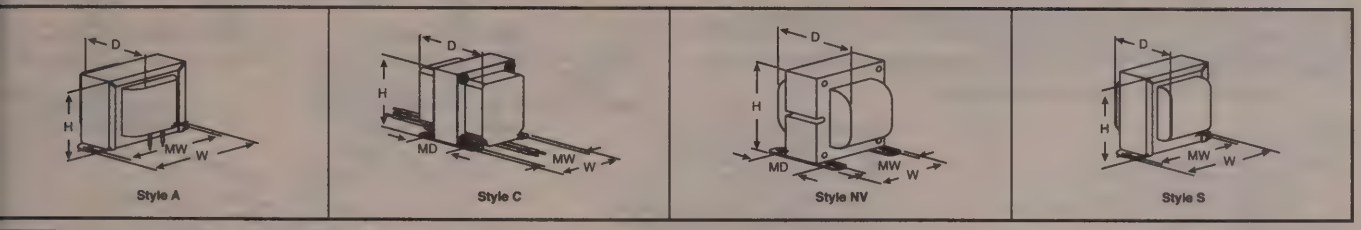


Open models have an adjustable shaft design on most manually operated models that permits back-of-panel or bench mounting. Cased models are available in "C" styles enclose only the coil, while "CT" models provide protective housing for both coil and terminal board. Portable cord and plug models are cased plug-in models that have a ventilated steel case, line cord, receptacle, illuminated on/off switch and fuse.

LR18948

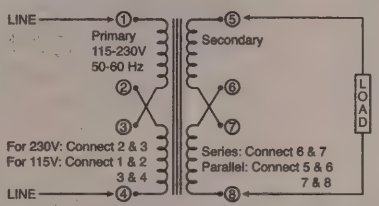
MOUSER STOCK NO.	Staco Part No.	Fig.	Input		Output		Net Wt. Lbs.	Dimensions (In.)			Price Each			
			Volts	Hertz	KVA	Amps		A	B	C	1	2	5	10
5874-171	171	A	120	50/60 60	0.21 0.23	1.75 1.75	2.00	1.88	3.28	2.93	78.49	71.00	67.74	64.50
5874-201	201	A	120	50/60 60	0.24 0.26	2.00 2.00	2.00	1.88	3.28	2.93	73.00	69.50	66.30	63.94
5874-221B	221-B	A	120	50/60 60	0.30 0.33	2.50 2.50	2.50	2.12	3.28	2.93	81.72	75.96	71.50	66.78
5874-252	252	A	240	50/60 60	0.19 0.21	0.80 0.80	2.50	2.12	3.28	2.93	108.00	103.02	97.66	94.18
5874-291	291	A	120	50/60 60	0.36 0.40	3.00 3.00	2.50	2.31	3.28	2.93	86.00	80.74	77.95	75.17
5874-501C	501C	B	120	50/60	0.60 0.70	5.00 5.00	5.25	3.00	3.75	4.38	132.00	122.50	118.27	114.05
5874-1010B	1010B	C	120	50/60	1.20 1.40	10.00 10.00	10.25	4.16	4.62	5.57	164.00	158.35	152.89	147.43
5874-1010BCT	1010BCT	D	120	50/60	1.20 1.40	10.00 10.00	10.25	4.44	4.62	6.31	253.26	244.82	236.38	227.93
5874-3PN1010B	3PN1010B	E	120	50/60	1.40	10.00	10.25	6.96	4.62	5.50	253.26	244.82	236.38	227.93
5874-1210B	1210B	C	120	60	1.44	12.00	10.25	4.16	4.62	5.57	182.91	176.81	170.72	164.62
5874-2510	2510	F	120	50/60	3.00 3.50	25.00 25.00	21.00	4.38	7.66	8.31	490.32	473.98	457.63	441.29
5874-2520	2520	F	240	50/60	2.40 2.80	10.00 10.00	21.00	4.38	7.66	8.31	488.16	471.89	455.62	439.34
			120	50/60	1.20	10.00								

STANCOR POWER TRANSFORMERS



atures:
Leadwire terminations standard for most items. Solder lugs available on some products.
Most items may be operated at 400Hz without change in output rating.
Rated for Continuous Duty
Designed using traditional EI laminations for stability and ease of assembly.
Wide variety of mounting configurations to fit virtually any design requirement.

pecifications:
Input Voltages: Available at 115VAC, 117VAC, 117VAC/107, 115/230VAC, 230VAC, or 230/460VAC 50/60Hz
Other voltages available as custom designs.
Operating Temperature: -40° to 105°C, Class A insulating materials
Output Voltages Ranging from 2.5VAC to 800VAC
Output Current Ranging from .05A to 16A
Designed to meet requirements of U.L. 506



Schematic Diagram 1

ingle Secondary

• Primary and secondary termination: Leads

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Stancor Part No.	Primary Volts	Secondary		Style	Insulation Test RMS	Dimensions (In.)					Wt. (Lbs.)	Price Each		
			Volts	Amps			H	W	D	Mounting W	Mounting D		1	10	50
02-P-6456	P-6456	117/107	6.3 CT	6.0	A	2000V	2.38	3.75	2.38	3.13	-	2.0	25.60	23.53	22.14
02-P-8392	P-8392	117	12	0.7	A	1500V	1.75	2.88	1.63	2.38	-	0.6	7.68	7.06	6.64
02-P-8657	P-8657	117	12	2.0	A	1500V	2.00	3.25	2.13	2.81	-	1.3	11.51	10.57	9.95
02-P-8644	P-8644	117	12.6 CT	10.0	C	1500V	4.25	3.44	3.38	2.75	2.69	6.3	40.79	37.49	35.28
02-P-8693	P-8693	115	18.0 CT	2.0	A	1500V	2.38	3.75	2.25	3.13	-	2.0	12.38	11.37	10.70
02-P-8396	P-8396	117	24.0 CT	0.4	A	1500V	1.75	2.88	1.63	2.38	-	0.6	9.10	8.36	7.87
02-P-8575	P-8575	115/230	24.0 CT	1.0	A	1500V	2.00	3.25	2.06	2.81	-	1.3	10.75	9.88	9.30
02-P-8663	P-8663	117	24.0 CT	4.0	NV	1500V	3.81	3.13	2.81	2.13	2.13	4.0	24.24	22.27	20.96
02-P-8665	P-8665	117	24.0 CT	8.0	NV	1500V	4.19	3.44	3.38	2.75	2.75	7.3	37.00	34.00	32.00

ual Primary, Dual Secondary

• Termination: Solder lugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Stancor Part No.	Style	Schematic	V.A. Cap	Output from Two Secondary Windings			Dimensions (In.)					Wt. (Lbs.)	Price Each		
					Individually Volts Amp	Parallel Volts Amp	Series Volts Amp	H	W	D	Mounting W	Mounting D		1	10	50
02-P-6378	P-6378	NV	1	96	12 @ 4.00	12 @ 8.0	24 @ 4.00	3.50	2.81	3.06	2.25	2.31	4.2	28.21	25.93	24.40
02-P-6379	P-6379	NV	1	192	12 @ 8.00	12@16.0	24 @ 8.00	4.25	3.44	3.62	2.75	3.13	8.0	69.76	64.11	60.34
02-P-8617	P-8617	S	1	48	24 @ 1.00	24 @ 2.0	48 @ 1.00	3.13	3.63	2.25	3.13	-	2.5	15.10	13.87	13.06
02-P-8618	P-8618	NV	1	96	24 @ 2.00	24 @ 4.0	48 @ 2.00	3.50	2.81	3.06	2.25	2.31	4.2	26.25	24.12	22.70

ectifier Transformer

For quantities of 100 and up, call for quote.

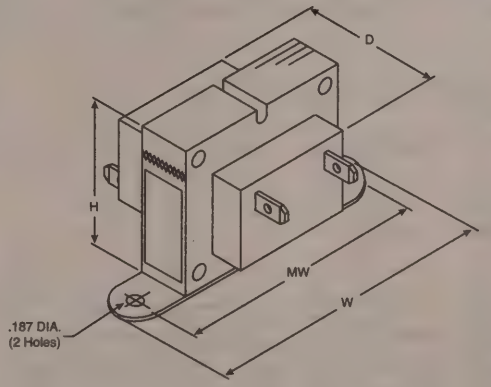
MOUSER STOCK NO.	Stancor Part No.	Style	Rectifier Circuit	Range of Applied AC Volts Under Load (Approx.)	Output Resistive or Inductive Load Max. DC		Output Capacitive Load Max. DC		Dimensions (In.)					Wt. (Lbs.)	Price Each		
					Volts	Amp	Volts	Amp	H	W	D	Mounting W	Mounting D		1	10	50
02-RT-204	RT-204	NV	CT	11.7 to 29.2	12	8	14.54	8	3.88	3.13	3.88	2.50	2.72	6.1	64.51	59.28	55.79
			Bridge	11.6 to 29.2	24	4	32.43	4									

STANCOR ENERGY LIMITING TRANSFORMERS

et U.L. safety specifications
lit bobbin winding reduces capacitive coupling and eliminates need for electrostatic shield.
oad range of input voltage combinations cover most HVAC applications.
VA power rating eliminates need for multiple parts to cover lower power requirements.

atures:
Heavy duty welded mounting plate provides mounting stability.
Rigid 1/4 " Q.C. terminals provide ease of installation.
Rated for Continuous Duty
Windings and internal connections enclosed with insulating plastic cover for safety.
Non-concentric windings reduce size and cost and improve manufacturability.

pecifications:
Input Voltages (all 50/60Hz):
120VAC
240VAC
120/240VAC
208/240VAC
120/208/240VAC
Operating Temperature:
-40° TO 130° C
Class B insulating materials
Temperature Rise: 85° over 40° ambient
Output Voltage: 24VAC nominal, 40VA
Output Current: 1.67 Amps
Meets U.L. 1585 and C.S.A. 22.2 #66
U.L. Recognized Class 2: File# E109254
C.S.A. Certified File# LR67888

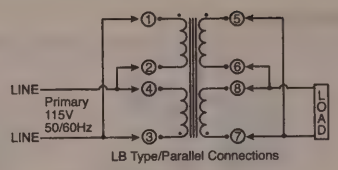


For quantities of 100 and up, call for quote.

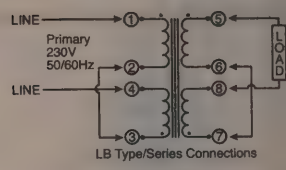
MOUSER STOCK NO.	Stancor Part No.	Input Voltage	Output Voltage	Output Current	VA	Mounting	Secondary Term.	Primary Term.	Dimensions (In.)				Wt. (Lbs.)	Price Each		
									H	W	D	Mounting W		1	10	50
02-592-9012	592-9012	120	24	1.67	40	Horizontal	1/4 QC	1/4 QC	2.25	3.69	2.25	3.13	1.5	10.03	9.21	8.67
02-592-9017	592-9017	208/240	24	1.67	40	Horizontal	1/4 QC	1/4 QC	2.25	3.69	2.25	3.13	1.5	10.51	9.66	9.09

STANCOR PC MOUNT TRANSFORMERS

Compact size leaves more room for other components. Non-concentrically wound to reduce size and cost.
Split bobbin winding and low capacitive coupling design eliminates electrostatic shielding requirement and expense.
SW and DSW Series: High Isolation, 2,500V RMS Hi-Pot Testing
LB (Low Boy) Series: Semi-toroidal construction reduces radiated magnetic fields and results in balanced windings.
Low Profile - 2,000 V RMS Hi-Pot Testing
PC Pin. . . Precision spaced to insert directly into printed circuit boards.



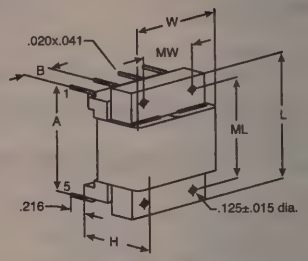
LB Type/Parallel Connections



LB Type/Series Connections

Features:
- Agency Approvals:
  SW and DSW (Side-Winder) Series:
  UL recognized (File Card E-68100)
  CSA certified (File LR67965)
  Size 2 and 3 Items - U.L. Class 2 or Class 3 (File E-33334)
- LB (Low Boy) Series and PPC Series:
  UL recognized (File Card E-68100)
- Construction:
  SW and DSW Series: EI Laminations
  Secondaries wound side-by-side
  No electrostatic shield required
- Class B Insulation (130° C)
- LB (Low Boy) Series:
  Semi-Toroidal - UI Laminations
  Dual Windings with Split Bobbin (no static shield)
- PPC Series:
  EI Laminations

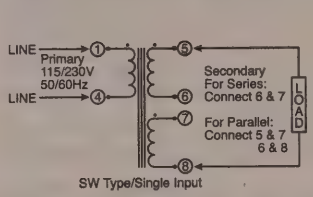
Specifications:
- Input Voltages:
  SW = 115/230VAC 50/60Hz
  DSW = 115/230V 50/60 Hz
  LB = 115/230V 50/60 Hz
  PPC = 115V 50/60 Hz and 115/230V 50/60 Hz
  Other voltages available as custom designs.
- Operating Temperature:
  SW and DSW Series = -40° to +130° C
  LB and PPC Series = -40° to +105° C
- Output Voltages Ranging from 5VAC to 230VAC
  Power Range = 1.1VA to 20VA



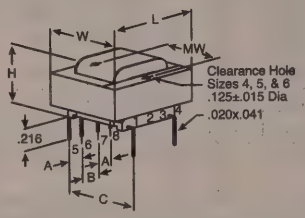
"Low Boy" LB Series

For quantities of 100 and up, call for quot

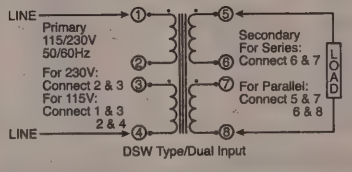
MOUSER STOCK NO.	Stancor Part No.	V.A.	Primary Winding	Rated Output						Dimensions (In.)							Wt. (Lbs.)	Price Each		
				Individual		Series		Parallel		H	W	L	Mounting W	Mounting L	A	B		1	10	50
				Volts	mA	Volts	mA	Volts	mA											
802-LB-620	LB-620	6	Dual	- - -	- - -	20.0 CT	300	10	600	0.88	1.56	1.88	0.88	1.62	1.60	0.38	0.34	9.97	9.16	8.62
802-LB-1224	LB-1224	12	Dual	- - -	- - -	24.0 CT	500	12	1000	1.06	2.00	2.50	1.00	2.00	2.00	0.50	0.72	10.51	9.66	9.09



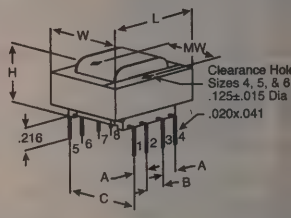
SW Type/Single Input



Side-Winder (SW) Single Primary



DSW Type/Dual Input



Dual Side-Winder (DSW) Dual Primary

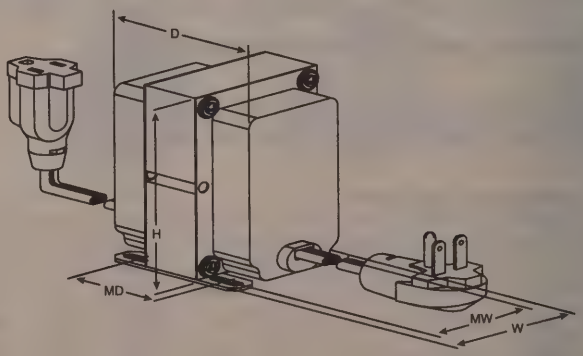
"Side Winder" SW/DSW Series

For quantities of 100 and up, call for quot

MOUSER STOCK NO.	Stancor Part No.	V.A.	Primary Winding	Rated Output						Dimensions (In.)							Wt. (Lbs.)	Price Each		
				Individual		Series		Parallel		H	W	L	Mounting W	A	B	C		1	10	50
				Volts	mA	Volts	mA	Volts	mA											
802-DSW-310	DSW-310	2.50	Dual	5	250	10.0 CT	250	5	500	1.19	1.13	1.38	-	0.25	0.25	1.20	0.25	6.85	6.29	5.92
802-SW-316	SW-316	2.50	Single	8	150	16.0 CT	150	8	300	1.19	1.13	1.38	-	0.25	0.25	1.20	0.25	6.38	5.87	5.52
802-DSW-316	DSW-316	2.50	Dual	8	150	16.0 CT	150	8	300	1.19	1.13	1.38	-	0.25	0.25	1.20	0.25	6.85	6.29	5.92
802-SW-616	SW-616	20.0	Single	8	1250	16.0 CT	1250	8	2500	1.44	1.88	2.25	1.50	0.30	0.40	1.60	0.80	9.77	8.98	8.45
802-DSW-520	DSW-520	12.0	Dual	10	600	20.0 CT	600	10	1200	1.44	1.56	1.88	1.25	0.30	0.40	1.41	0.70	8.40	7.72	7.26

STANCOR AUTO / ISOLATION TRANSFORMERS

Step-down Auto Transformers enable use of U.S.-made equipment in foreign countries. Step-up Auto Transformers enable use of foreign-made equipment in U.S. Isolation Transformers provide isolation for sensitive equipment from line voltage NEMA standard cord and receptacle for safety. May be operated at 400Hz with no change in output rating. Heavy duty end bells protect users from internal connections.



Features:
- Three conductor line cord and receptacle; Some items available with leadwires
- GIS and GISD Series have electrostatic shields connected to case, core, and to third conductor of cord and receptacle.
- EI Laminations
- Heavy duty welded plate ensures mounting stability.

Specifications:
- Input Voltages: 115VAC or 230VAC
- Operating Temperature: -40° to 105° C
- Output Voltage: 115VAC or 230VAC
- Power Range: .06VA to 1500VA
- RMS Test Voltage: 1500

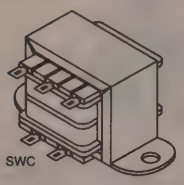
For quantities of 100 and up, call for quo

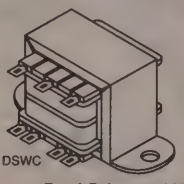
MOUSER STOCK NO.	Stancor Part No.	Type	Voltage Step	Input Voltage	Output Voltage	Amps	V.A Cap.	Dimensions (In.)					Wt. (Lbs.)	Price Each		
								H	W	D	Mounting W	Mounting D		1	10	50
802-P-8634	P-8634	Auto	Down	230	115	3.50	400	3.88	3.13	4.25	2.50	2.72	7.0	48.23	44.32	41.7
802-GSD-500	GSD-500	Auto	Down	230	115	4.30	500	4.63	3.81	4.44	3.00	3.19	10.6	68.95	63.36	59.6
802-GSD-750	GSD-750	Auto	Down	230	115	6.50	750	4.63	3.81	5.38	3.00	3.94	14.4	85.84	78.89	74.2
802-GSD-1000	GSD-1000	Auto	Down	230	115	8.70	1000	4.63	3.81	6.06	3.00	4.69	17.0	107.88	100.54	94.1
802-GSD-1500	GSD-1500	Auto	Down	230	115	13.0	1500	5.38	4.44	6.00	3.50	4.00	20.0	164.74	151.38	142.4
802-P-8640	P-8640	Auto	Up	115	230	2.17	500	4.63	3.75	4.50	3.00	3.19	10.3	60.75	55.83	52.5
802-GIS-150	GIS-150	Isolation	Straight	115	115	1.30	150	3.88	3.13	4.19	2.50	2.72	7.0	60.38	55.49	52.2
802-GIS-500	GIS-500	Isolation	Straight	115	115	4.35	500	4.69	3.75	6.00	3.00	4.69	16.0	96.02	87.54	81.9
802-GIS-1000	GIS-1000	Isolation	Straight	115	115	8.70	1000	5.38	4.38	8.13	3.50	6.50	31.0	188.25	171.64	160.5
802-GISD-500	GISD-500	Isolation	Down	230	115	4.35	500	4.69	3.75	6.00	3.00	4.69	16.0	104.28	95.83	90.1
802-GISD-1000	GISD-1000	Isolation	Down	230	115	8.70	1000	5.38	4.38	8.13	3.50	6.50	31.0	171.87	166.14	160.4

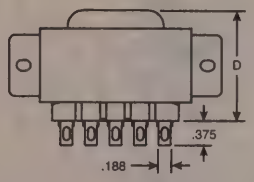
STANCOR SPLIT BOBBIN TRANSFORMERS

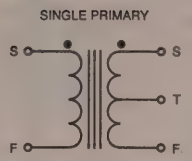
Features:
Side by side bobbin construction eliminates the need for electrostatic shield
Class B insulation

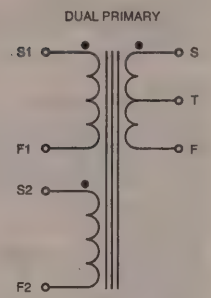
Specifications:
Primary: 115/230V, 50/60 Hz
3/16" quick connect or solder terminals
Dielectric Strength: 2500V

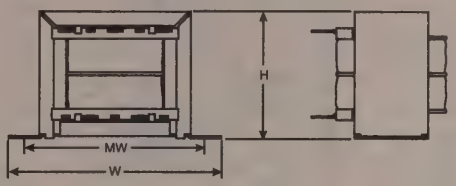












Single Primary 115VAC **Dual Primary 115/230VAC**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Stancor Part No.	Price Each 1	Price Each 10	MOUSER STOCK NO.	Stancor Part No.	Price Each 1	Price Each 10	Secondary RMS Rating	VA	Dimensions (In.) H	W	D	MW	Wt. (Lbs.)
802-SWC-310	SWC-310	6.79	6.23	----	----	----	----	10.0VC.T. @ 0.25A	2.4	1.250	2.188	1.188	1.750	0.26
802-SWC-410	SWC-410	8.08	7.41	802-DSWC-410	DSWC-410	8.54	7.83	10.0VC.T. @ 0.60A	6.0	1.438	2.375	1.250	2.000	0.44
802-SWC-510	SWC-510	8.53	7.83	802-DSWC-510	DSWC-510	8.94	8.20	10.0VC.T. @ 1.20A	12.0	1.625	2.812	1.375	2.375	0.70
802-SWC-610	SWC-610	10.39	9.54	802-DSWC-610	DSWC-610	11.21	10.29	10.0VC.T. @ 3.00A	30.0	2.000	3.250	1.750	2.812	1.30
802-SWC-710	SWC-710	17.34	15.92	802-DSWC-710	DSWC-710	18.13	16.63	10.0VC.T. @ 5.00A	56.0	2.313	3.688	1.875	3.125	1.77
802-SWC-810	SWC-810	24.42	22.41	----	----	----	----	10.0VC.T. @ 10.00A	100.0	2.562	4.031	2.250	3.562	2.75
802-SWC-312	SWC-312	6.79	6.23	----	----	----	----	12.6VC.T. @ 0.20A	2.4	1.250	2.188	1.188	1.750	0.26
802-SWC-412	SWC-412	8.08	7.41	802-DSWC-412	DSWC-412	8.54	7.83	12.6VC.T. @ 0.50A	6.0	1.438	2.375	1.250	2.000	0.44
802-SWC-512	SWC-512	8.53	7.83	802-DSWC-512	DSWC-512	8.94	8.20	12.6VC.T. @ 1.00A	12.0	1.625	2.812	1.375	2.375	0.70
802-SWC-612	SWC-612	10.39	9.54	802-DSWC-612	DSWC-612	11.21	10.29	12.6VC.T. @ 2.50A	30.0	2.000	3.250	1.750	2.812	1.30
802-SWC-712	SWC-712	17.34	15.92	802-DSWC-712	DSWC-712	18.13	16.63	12.6VC.T. @ 4.00A	56.0	2.313	3.688	1.875	3.125	1.77
802-SWC-812	SWC-812	24.42	22.41	----	----	----	----	12.6VC.T. @ 8.00A	100.0	2.562	4.031	2.250	3.562	2.75
802-SWC-316	SWC-316	6.79	6.23	----	----	----	----	16.0VC.T. @ 0.15A	2.4	1.250	2.188	1.188	1.750	0.26
802-SWC-416	SWC-416	8.08	7.41	802-DSWC-416	DSWC-416	8.54	7.83	16.0VC.T. @ 0.40A	6.0	1.438	2.375	1.250	2.000	0.44
802-SWC-516	SWC-516	8.53	7.83	802-DSWC-516	DSWC-516	8.94	8.20	16.0VC.T. @ 0.80A	12.0	1.625	2.812	1.375	2.375	0.70
802-SWC-616	SWC-616	10.39	9.54	802-DSWC-616	DSWC-616	11.21	10.29	16.0VC.T. @ 2.00A	30.0	2.000	3.250	1.750	2.812	1.30
802-SWC-716	SWC-716	17.34	15.92	802-DSWC-716	DSWC-716	18.13	16.63	16.0VC.T. @ 3.50A	56.0	2.313	3.688	1.875	3.125	1.77
802-SWC-816	SWC-816	24.42	22.41	----	----	----	----	16.0VC.T. @ 6.25A	100.0	2.562	4.031	2.250	3.562	2.75
802-SWC-320	SWC-320	6.79	6.23	----	----	----	----	20.0VC.T. @ 0.12A	2.4	1.250	2.188	1.188	1.750	0.26
802-SWC-420	SWC-420	8.08	7.41	802-DSWC-420	DSWC-420	8.54	7.83	20.0VC.T. @ 0.30A	6.0	1.438	2.375	1.250	2.000	0.44
802-SWC-520	SWC-520	8.53	7.83	802-DSWC-520	DSWC-520	8.94	8.20	20.0VC.T. @ 0.60A	12.0	1.625	2.812	1.375	2.375	0.70
802-SWC-620	SWC-620	10.39	9.54	802-DSWC-620	DSWC-620	11.21	10.29	20.0VC.T. @ 1.50A	30.0	2.000	3.250	1.750	2.812	1.30
802-SWC-720	SWC-720	17.34	15.92	802-DSWC-720	DSWC-720	18.13	16.63	20.0VC.T. @ 2.80A	56.0	2.313	3.688	1.875	3.125	1.77
802-SWC-820	SWC-820	24.42	22.41	----	----	----	----	20.0VC.T. @ 5.00A	100.0	2.562	4.031	2.250	3.562	2.75
802-SWC-324	SWC-324	6.79	6.23	----	----	----	----	24.0VC.T. @ 0.10A	2.4	1.250	2.188	1.188	1.750	0.26
802-SWC-424	SWC-424	8.08	7.41	802-DSWC-424	DSWC-424	8.54	7.83	24.0VC.T. @ 0.25A	6.0	1.438	2.375	1.250	2.000	0.44
802-SWC-524	SWC-524	8.53	7.83	802-DSWC-524	DSWC-524	8.94	8.20	24.0VC.T. @ 0.50A	12.0	1.625	2.812	1.375	2.375	0.70
802-SWC-624	SWC-624	10.39	9.54	802-DSWC-624	DSWC-624	11.21	10.29	24.0VC.T. @ 1.25A	30.0	2.000	3.250	1.750	2.812	1.30
802-SWC-724	SWC-724	17.34	15.92	802-DSWC-724	DSWC-724	18.13	16.63	24.0VC.T. @ 2.40A	56.0	2.313	3.688	1.875	3.125	1.77
802-SWC-824	SWC-824	24.42	22.41	----	----	----	----	24.0VC.T. @ 4.00A	100.0	2.562	4.031	2.250	3.562	2.75
802-SWC-328	SWC-328	6.79	6.23	----	----	----	----	28.0VC.T. @ 0.08A	2.4	1.250	2.188	1.188	1.750	0.26
802-SWC-428	SWC-428	8.08	7.41	802-DSWC-428	DSWC-428	8.54	7.83	28.0VC.T. @ 0.20A	6.0	1.438	2.375	1.250	2.000	0.44
802-SWC-528	SWC-528	8.53	7.83	802-DSWC-528	DSWC-528	8.94	8.20	28.0VC.T. @ 0.42A	12.0	1.625	2.812	1.375	2.375	0.70
802-SWC-628	SWC-628	10.39	9.54	802-DSWC-628	DSWC-628	11.21	10.29	28.0VC.T. @ 1.10A	30.0	2.000	3.250	1.750	2.812	1.30
802-SWC-728	SWC-728	17.34	15.92	802-DSWC-728	DSWC-728	18.13	16.63	28.0VC.T. @ 2.00A	56.0	2.313	3.688	1.875	3.125	1.77
802-SWC-828	SWC-828	24.42	22.41	----	----	----	----	28.0VC.T. @ 3.60A	100.0	2.562	4.031	2.250	3.562	2.75
802-SWC-336	SWC-336	6.79	6.23	----	----	----	----	36.0VC.T. @ 0.06A	2.4	1.250	2.188	1.188	1.750	0.26
802-SWC-436	SWC-436	8.08	7.41	802-DSWC-436	DSWC-436	8.54	7.83	36.0VC.T. @ 0.17A	6.0	1.438	2.375	1.250	2.000	0.44
802-SWC-536	SWC-536	8.53	7.83	802-DSWC-536	DSWC-536	8.94	8.20	36.0VC.T. @ 0.35A	12.0	1.625	2.812	1.375	2.375	0.70
802-SWC-636	SWC-636	10.39	9.54	802-DSWC-636	DSWC-636	11.21	10.29	36.0VC.T. @ 0.85A	30.0	2.000	3.250	1.750	2.812	1.30
802-SWC-736	SWC-736	17.34	15.92	802-DSWC-736	DSWC-736	18.13	16.63	36.0VC.T. @ 1.50A	56.0	2.313	3.688	1.875	3.125	1.77
802-SWC-836	SWC-836	24.42	22.41	----	----	----	----	36.0VC.T. @ 2.80A	100.0	2.562	4.031	2.250	3.562	2.75
802-SWC-348	SWC-348	6.79	6.23	----	----	----	----	48.0VC.T. @ 0.05A	2.4	1.250	2.188	1.188	1.750	0.26
802-SWC-448	SWC-448	8.08	7.41	802-DSWC-448	DSWC-448	8.54	7.83	48.0VC.T. @ 0.12A	6.0	1.438	2.375	1.250	2.000	0.44
802-SWC-548	SWC-548	8.53	7.83	802-DSWC-548	DSWC-548	8.94	8.20	48.0VC.T. @ 0.25A	12.0	1.625	2.812	1.375	2.375	0.70
802-SWC-648	SWC-648	10.39	9.54	802-DSWC-648	DSWC-648	11.21	10.29	48.0VC.T. @ 0.63A	30.0	2.000	3.250	1.750	2.812	1.30
802-SWC-748	SWC-748	17.34	15.92	802-DSWC-748	DSWC-748	18.13	16.63	48.0VC.T. @ 1.20A	56.0	2.313	3.688	1.875	3.125	1.77
802-SWC-848	SWC-848	24.42	22.41	----	----	----	----	48.0VC.T. @ 2.00A	100.0	2.562	4.031	2.250	3.562	2.75
802-SWC-356	SWC-356	6.79	6.23	----	----	----	----	56.0VC.T. @ 0.04A	2.4	1.250	2.188	1.188	1.750	0.26
802-SWC-456	SWC-456	8.08	7.41	802-DSWC-456	DSWC-456	8.54	7.83	56.0VC.T. @ 0.11A	6.0	1.438	2.375	1.250	2.000	0.44
802-SWC-556	SWC-556	8.53	7.83	802-DSWC-556	DSWC-556	8.94	8.20	56.0VC.T. @ 0.22A	12.0	1.625	2.812	1.375	2.375	0.70
802-SWC-656	SWC-656	10.39	9.54	802-DSWC-656	DSWC-656	11.21	10.29	56.0VC.T. @ 0.54A	30.0	2.000	3.250	1.750	2.812	1.30
802-SWC-756	SWC-756	17.34	15.92	802-DSWC-756	DSWC-756	18.13	16.63	56.0VC.T. @ 1.00A	56.0	2.313	3.688	1.875	3.125	1.77
802-SWC-856	SWC-856	24.42	22.41	----	----	----	----	56.0VC.T. @ 1.80A	100.0	2.562	4.031	2.250	3.562	2.75
802-SWC-3120	SWC-3120	6.79	6.23	----	----	----	----	120.0VC.T. @ 0.02A	2.4	1.250	2.188	1.188	1.750	0.26
802-SWC-4120	SWC-4120	8.08	7.41	802-DSWC-4120	DSWC-4120	8.54	7.83	120.0VC.T. @ 0.05A	6.0	1.438	2.375	1.250	2.000	0.44
802-SWC-5120	SWC-5120	8.53	7.83	802-DSWC-5120	DSWC-5120	8.94	8.20	120.0VC.T. @ 0.10A	12.0	1.625	2.812	1.375	2.375	0.70
802-SWC-6120	SWC-6120	10.39	9.54	802-DSWC-6120	DSWC-6120	11.21	10.29	120.0VC.T. @ 0.25A	30.0	2.000	3.250	1.750	2.812	1.30
802-SWC-7120	SWC-7120	17.34	15.92	802-DSWC-7120	DSWC-7120	18.13	16.63	120.0VC.T. @ 0.50A	56.0	2.313	3.688	1.875	3.125	1.77
802-SWC-8120	SWC-8120	24.42	22.41	----	----	----	----	120.0VC.T. @ 0.85A	100.0	2.562	4.031	2.250	3.562	2.75

STANCOR DC Power Contactors and Thermostats

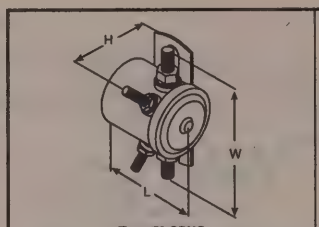
STANCOR

DC POWER CONTACTORS

- Industry benchmark designs
- Superior quality and materials
- Broad range of coil voltages and contact ratings
- Long operating life
- Versatile mounting and termination

Features:
- Heavy duty mounting brackets
- Robust 5/16" - 24 studs
- Rated for Continuous Duty or Intermittent Duty
- Isolated, grounded, and common coil configurations available
- Dust and splash proof designs available

Specifications:
- Contact Pole Forms:
  Single Pole Normally Open (SPNO)
  Single Pole Double Throw (SPDT)
- Coil Voltages:
  Ranging from 6VDC to 48VDC
- Operating Temperatures:
  Ranging from --20°F to 150°F (Ambient)
- Contact Ratings:
  Normally Open
  Ranging from 50A to 200A Continuous
  Ranging from 200A to 800A Inrush
  Normally Closed
  Ranging from 30A to 100A Continuous
  Ranging from 30A to 300A Inrush
- Duty Cycle: Continuous



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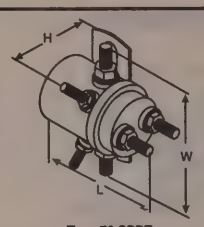

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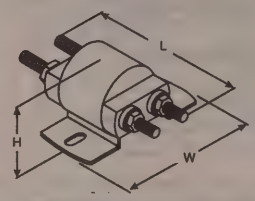

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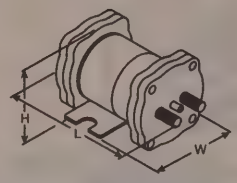
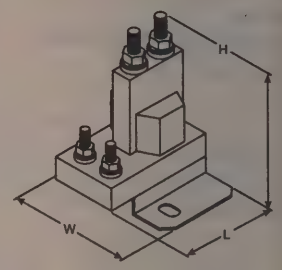


Type 586



Type 120

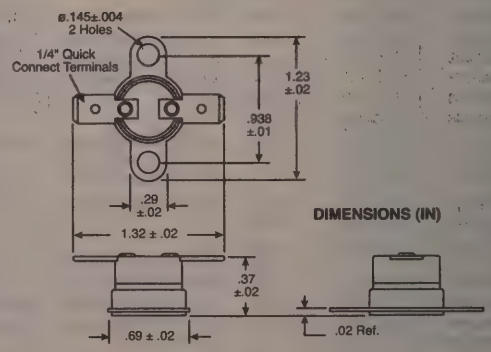
For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Stancor Part No.	Pole Form	Bracket Style	Coil Volt DC	Coil Resistance (Ω) @ 25°C	Contact Material	Volt DC	Contact Rating (Amps) Inductive Load				Dimensions (In.)			Wt. (Lbs.)	Price Each		
								Norm. Open		Norm. Closed								
								Cont.	Inrush	Cont.	Inrush	L	W	H		1	10	50
Type 70																		
802-70-901	70-901	SPNO	Standard	6	4	Copper	6	80	800	---	---	2.47	3.48	2.40	0.78	13.52	12.25	11.20
802-70-914	70-914	SPNO	Standard	12	16	Copper	12	80	400	---	---	2.47	3.48	2.40	0.78	14.38	13.30	12.01
802-70-902	70-902	SPNO	Standard	12	16	Copper	12	80	400	---	---	2.47	3.48	2.40	0.78	13.66	12.64	11.61
802-70-906	70-906	SPNO	Standard	12	16	Silver	12	80	400	---	---	2.47	3.48	2.40	0.78	26.86	24.85	22.83
802-70-915	70-915	SPNO	Standard	24	60	Copper	24	50	200	---	---	2.47	3.48	2.40	0.78	14.18	13.12	12.05
802-70-903	70-903	SPNO	Standard	24	60	Copper	24	50	200	---	---	2.47	3.48	2.40	0.78	13.72	12.69	11.66
802-70-904	70-904	SPNO	Standard	36	114	Copper	36	50	200	---	---	2.47	3.48	2.40	0.78	14.06	13.01	11.74
802-70-922	70-922	SPDT	Standard	12	16	NO Cop./NC Slvr	12	80	400	60	60	3.31	3.48	2.40	0.88	30.44	28.16	25.42
802-70-910	70-910	SPDT	Standard	12	16	Silver	12	80	400	60	60	3.31	3.48	2.40	0.88	43.06	39.83	36.60
802-70-911	70-911	SPDT	Standard	24	60	Silver	24	50	200	30	30	3.31	3.48	2.40	0.88	43.98	40.68	36.72
Type 120																		
802-120-901	120-901	SPNO	Standard	12	16	Silver Alloy	12	100	400	---	---	2.13	2.88	3.25	0.38	14.24	13.17	12.10
802-120-907	120-907	SPNO	L	12	16	Silver Alloy	12	100	400	---	---	2.50	3.00	3.28	0.38	14.96	13.84	12.49
802-120-902	120-902	SPNO	Standard	15	20.8	Silver Alloy	15	100	400	---	---	2.13	2.88	3.25	0.38	14.68	13.58	12.26
802-120-908	120-908	SPNO	L	15	20.8	Silver Alloy	15	100	400	---	---	2.50	3.00	3.25	0.38	14.54	13.45	12.36
802-120-904	120-904	SPNO	Standard	24	64	Silver Alloy	24	100	400	---	---	2.13	2.88	3.25	0.38	14.24	13.17	12.10
Type 124																		
802-124-906	124-906	SPNO	Standard	12	13.2	Silver Alloy	12	100	400	---	---	3.56	3.13	2.19	1.00	26.62	24.16	22.11
802-124-902	124-902	SPNO	Standard	12	13.2	Silver Alloy	12	100	400		---	3.56	3.13	2.19	1.00	26.62	24.16	22.11
802-124-910	124-910	SPDT	Standard	12	13.2	Silver Alloy	12	100	400	50	200	4.69	3.13	2.19	1.19	41.51	37.71	34.52
802-124-903	124-903	SPNO	Standard	24	53	Silver Alloy	24	100	400	---	---	3.56	3.13	2.19	1.00	26.62	24.16	22.11
802-124-911	124-911	SPDT	Standard	24	53	Silver Alloy	24	100	400	50	100	4.69	3.13	2.19	1.19	41.51	37.71	34.52
802-124-904	124-904	SPNO	Standard	36	120	Silver Alloy	36	100	400	---	---	3.56	3.13	2.19	1.00	26.62	24.16	22.11
Type 586																		
802-586-901	586-901	SPNO	Standard	6	5.3	Silver Alloy	6	200	600	---	---	3.69	3.30	2.90	1.50	41.36	37.58	34.40
802-586-902	586-902	SPNO	Standard	12	21	Silver Alloy	12	200	600	---	---	3.69	3.30	2.90	1.50	41.36	37.58	34.40
802-586-903	586-903	SPNO	Standard	15	32.8	Silver Alloy	15	200	600	---	---	3.69	3.30	2.90	1.50	41.36	37.58	34.40
802-586-905	586-905	SPNO	Standard	24	84	Silver Alloy	24	200	600	---	---	3.69	3.30	2.90	1.50	41.36	37.58	34.40
802-586-906	586-906	SPNP	Standard	36	189	Silver Alloy	36	200	600	---	---	3.69	3.30	2.90	1.50	41.14	38.05	34.35
802-586-907	586-907	SPNO	Standard	48	336	Silver Alloy	36	200	600	---	---	3.69	3.30	2.90	1.50	41.36	37.58	34.40
802-586-911	586-911	SPDT	Standard	12	13.2	Silver Alloy	12	200	600	100	300	4.61	3.30	2.90	1.68	57.29	52.85	48.41
802-586-914	586-914	SPDT	Standard	24	53	Silver Alloy	24	200	600	100	200	4.61	3.30	2.90	1.68	58.18	53.00	48.60

STANCOR SNAP ACTION DISC THERMOSTATS

Features:
- Loose ring, stainless steel mounting brackets
- 1/4" quick connect termination
- Automatic reset
- Enclosed Disc
- Aluminum Disc Cup

Specifications:
- Single Pole, Single Throw
- Available in either open or close on temperature rise
- General Electrical Ratings
  Resistive: 15A @ 120VAC, 10A @ 240VAC
  Inductive: 3.0FLA-12.0LRA @ 120VAC,
  1.5FLA-6.0LRA @ 240VAC
  Pilot Duty: 125VA
- Consult factory for D.C. rating



For quantities of 100 and up, call for quote.

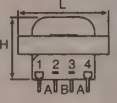
MOUSER STOCK NO.	Stancor Part No.	Operating Range† °F	Operating Range† °C	Function††	Differential†††	Price Each 1	Price Each 10	Price Each 50
802-STO-60	STO-60	55 to 65	13 to 18	Opens	20°F 12°C	4.14	3.81	3.58
802-STC-100	STC-100	93 to 107	34 to 42	Closes	30°F 17°C	4.14	3.81	3.58
802-STC-120	STC-120	113 to 127	45 to 53	Closes	30°F 17°C	4.14	3.81	3.58
802-STO-140	STO-140	135 to 145	57 to 63	Opens	30°F 17°C	4.14	3.81	3.58
802-STO-160	STO-160	155 to 165	68 to 74	Opens	30°F 17°C	3.81	3.47	3.25
802-STO-170	STO-170	165 to 175	74 to 79	Opens	30°F 17°C	3.81	3.47	3.25
802-STC-170	STC-170	162 to 178	72 to 81	Closes	30°F 17°C	3.81	3.47	3.25
802-STO-190	STO-190	185 to 195	85 to 91	Opens	30°F 17°C	4.14	3.81	3.58
802-STO-210	STO-210	204 to 216	96 to 102	Opens	30°F 17°C	4.14	3.81	3.58

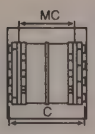
† Operating Range: Range of temperature at which disc thermostat performs switching function.
†† Function: Opens - Normally closed circuit - opens within specified temperature range.
Closes - Normally open circuit - closes within specified temperature range.
††† Differential: Temperature drop below operating range minimum necessary for disc to reset.

MOUSER ELECTRONICS a tti company
(800) 346-6873

TAMURA Power Transformers

LAMINATED POWER TRANSFORMERS





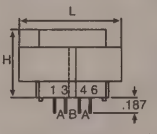
Class B 130°C Insulation
2500 Vrms Hi-Pot
North American Application

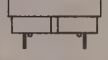
Single Primary 115V Dual Primary 115/230VAC

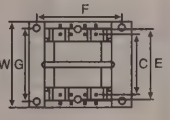
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Tamura Part No.	Price Each 1	Price Each 10	MOUSER STOCK NO.	Tamura Part No.	Price Each 1	Price Each 10	Power (VA)	Secondary Ratings Series (VCT @ A)	Secondary Ratings Parallel (VAC @ A)	Dimensions (In) L	W	H	MC	A	B	C
838-3FS-210	3FS-210	5.61	4.39	838-3FD-210	3FD-210	5.24	4.10	1.1	10.0 @ 0.110	5.0 @ 0.220	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-212	3FS-212	5.61	4.39	838-3FD-212	3FD-212	5.24	4.10	1.1	12.6 @ 0.090	6.3 @ 0.180	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-216	3FS-216	5.61	4.39	838-3FD-216	3FD-216	5.24	4.10	1.1	16.0 @ 0.070	8.0 @ 0.140	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-220	3FS-220	5.61	4.39	838-3FD-220	3FD-220	5.24	4.10	1.1	20.0 @ 0.055	10.0 @ 0.110	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-224	3FS-224	5.61	4.39	838-3FD-224	3FD-224	5.24	4.10	1.1	24.0 @ 0.045	12.0 @ 0.090	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-228	3FS-228	5.61	4.39	838-3FD-228	3FD-228	5.24	4.10	1.1	28.0 @ 0.040	14.0 @ 0.080	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-236	3FS-236	5.61	4.39	838-3FD-236	3FD-236	5.24	4.10	1.1	36.0 @ 0.030	18.0 @ 0.060	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-248	3FS-248	5.61	4.39	838-3FD-248	3FD-248	5.24	4.10	1.1	48.0 @ 0.023	24.0 @ 0.046	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-310	3FS-310	5.84	4.57	838-3FD-310	3FD-310	6.21	4.86	2.4	10.0 @ 0.250	5.0 @ 0.500	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-312	3FS-312	5.84	4.57	838-3FD-312	3FD-312	6.21	4.86	2.4	12.6 @ 0.200	6.3 @ 0.400	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-316	3FS-316	5.84	4.57	838-3FD-316	3FD-316	6.21	4.86	2.4	16.0 @ 0.150	8.0 @ 0.300	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-320	3FS-320	5.84	4.57	838-3FD-320	3FD-320	6.21	4.86	2.4	20.0 @ 0.120	10.0 @ 0.240	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-324	3FS-324	5.84	4.57	838-3FD-324	3FD-324	6.21	4.86	2.4	24.0 @ 0.100	12.0 @ 0.200	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-328	3FS-328	5.84	4.57	838-3FD-328	3FD-328	6.21	4.86	2.4	28.0 @ 0.085	14.0 @ 0.170	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-336	3FS-336	5.84	4.57	838-3FD-336	3FD-336	6.21	4.86	2.4	36.0 @ 0.065	18.0 @ 0.130	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-348	3FS-348	5.84	4.57	838-3FD-348	3FD-348	6.21	4.86	2.4	48.0 @ 0.050	24.0 @ 0.100	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-410	3FS-410	6.42	5.02	838-3FD-410	3FD-410	6.72	5.26	6.0	10.0 @ 0.600	5.0 @ 1.200	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-410	3FS-410	6.42	5.02	838-3FD-410	3FD-410	6.72	5.26	6.0	10.0 @ 0.600	5.0 @ 1.200	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-412	3FS-412	6.42	5.02	838-3FD-412	3FD-412	6.72	5.26	6.0	12.6 @ 0.500	6.3 @ 1.000	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-416	3FS-416	6.42	5.02	838-3FD-416	3FD-416	6.72	5.26	6.0	16.0 @ 0.400	8.0 @ 0.800	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-420	3FS-420	6.42	5.02	838-3FD-420	3FD-420	6.72	5.26	6.0	20.0 @ 0.300	10.0 @ 0.600	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-424	3FS-424	6.42	5.02	838-3FD-424	3FD-424	6.72	5.26	6.0	24.0 @ 0.250	12.0 @ 0.500	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-428	3FS-428	6.42	5.02	838-3FD-428	3FD-428	6.72	5.26	6.0	28.0 @ 0.200	14.0 @ 0.400	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-436	3FS-436	6.42	5.02	838-3FD-436	3FD-436	6.72	5.26	6.0	36.0V @ 0.170	18.0 @ 0.340	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-448	3FS-448	6.42	5.02	838-3FD-448	3FD-448	6.72	5.26	6.0	48.0 @ 0.125	24.0 @ 0.250	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-510	3FS-510	7.41	5.80	838-3FD-510	3FD-510	9.84	7.70	12.0	10.0 @ 1.200	5.0 @ 2.400	1.97	1.63	1.63	1.50	0.30	0.40	1.41
838-3FS-512	3FS-512	7.41	5.80	838-3FD-512	3FD-512	9.84	7.70	12.0	12.6 @ 1.000	6.3 @ 2.000	1.97	1.63	1.63	1.50	0.30	0.40	1.41
838-3FS-516	3FS-516	7.41	5.80	838-3FD-516	3FD-516	9.84	7.70	12.0	16.0 @ 0.800	8.0 @ 1.600	1.97	1.63	1.63	1.50	0.30	0.40	1.41
838-3FS-520	3FS-520	7.41	5.80	838-3FD-520	3FD-520	9.84	7.70	12.0	20.0 @ 0.600	10.0 @ 1.200	1.97	1.63	1.63	1.50	0.30	0.40	1.41
838-3FS-524	3FS-524	7.41	5.80	838-3FD-524	3FD-524	9.84	7.70	12.0	24.0 @ 0.500	12.0 @ 1.000	1.97	1.63	1.63	1.50	0.30	0.40	1.41
838-3FS-528	3FS-528	7.41	5.80	838-3FD-528	3FD-528	9.84	7.70	12.0	28.0 @ 0.420	14.0 @ 0.840	1.97	1.63	1.63	1.50	0.30	0.40	1.41
838-3FS-536	3FS-536	7.41	5.80	838-3FD-536	3FD-536	9.84	7.70	12.0	36.0 @ 0.350	18.0 @ 0.700	1.97	1.63	1.63	1.50	0.30	0.40	1.41
838-3FS-548	3FS-548	7.41	5.80	838-3FD-548	3FD-548	9.84	7.70	12.0	48.0 @ 0.250	24.0 @ 0.500	1.97	1.63	1.63	1.50	0.30	0.40	1.41

INTERNATIONAL LAMINATED POWER TRANSFORMERS







Class B 130°C Insulation
3500 Vrms Hi-Pot test
115V/230V Dual Primary

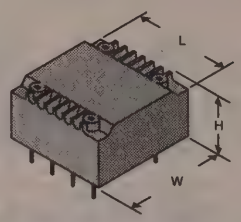
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Tamura Part No.	Power (VA)	Secondary Ratings Series (VCT @ A)	Secondary Ratings Parallel (VAC @ A)	Dimensions (In) L	W	H	A	B	C	Mounting Dimensions (In) E	F	G	Price Each 1	Price Each 10
838-PL2.5-10-130B	PL2.5-10-130B	2.5	10.0 @ 0.25	5.0 @ 0.50	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	8.14	6.37
838-PL5.0-10-130B	PL5.0-10-130B	5.0	10.0 @ 0.50	5.0 @ 1.00	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	8.79	6.88
838-PL10-10-130B	PL10-10-130B	10.0	10.0 @ 1.00	5.0 @ 2.00	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	9.68	7.58
838-PL20-10-130B	PL20-10-130B	20.0	10.0 @ 2.00	5.0 @ 4.00	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	11.66	9.13
838-PL30-10-130B	PL30-10-130B	30.0	10.0 @ 3.00	5.0 @ 6.00	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	13.82	10.82
838-PL2.5-12-130B	PL2.5-12-130B	2.5	12.6 @ 0.20	6.3 @ 0.40	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	8.14	6.37
838-PL5.0-12-130B	PL5.0-12-130B	5.0	12.6 @ 0.40	6.3 @ 0.80	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	8.79	6.88
838-PL10-12-130B	PL10-12-130B	10.0	12.6 @ 0.80	6.3 @ 1.60	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	9.68	7.58
838-PL20-12-130B	PL20-12-130B	20.0	12.6 @ 1.60	6.3 @ 3.20	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	11.66	9.13
838-PL30-12-130B	PL30-12-130B	30.0	12.6 @ 2.40	6.3 @ 4.80	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	13.82	10.82
838-PL2.5-16-130B	PL2.5-16-130B	2.5	16.0 @ 0.15	8.0 @ 0.30	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	8.14	6.37
838-PL5.0-16-130B	PL5.0-16-130B	5.0	16.0 @ 0.31	8.0 @ 0.62	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	8.79	6.88
838-PL10-16-130B	PL10-16-130B	10.0	16.0 @ 0.62	8.0 @ 1.25	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	9.68	7.58
838-PL20-16-130B	PL20-16-130B	20.0	16.0 @ 1.25	8.0 @ 2.50	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	11.66	9.13
838-PL30-16-130B	PL30-16-130B	30.0	16.0 @ 1.90	8.0 @ 3.80	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	13.82	10.82
838-PL2.5-20-130B	PL2.5-20-130B	2.5	20.0 @ 0.12	10.0 @ 0.24	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	8.14	6.37
838-PL5.0-20-130B	PL5.0-20-130B	5.0	20.0 @ 0.25	10.0 @ 0.50	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	8.79	6.88
838-PL10-20-130B	PL10-20-130B	10.0	20.0 @ 0.50	10.0 @ 1.00	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	9.68	7.58
838-PL20-20-130B	PL20-20-130B	20.0	20.0 @ 1.00	10.0 @ 2.00	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	11.66	9.13
838-PL30-20-130B	PL30-20-130B	30.0	20.0 @ 1.50	10.0 @ 3.00	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	13.82	10.82
838-PL2.5-24-130B	PL2.5-24-130B	2.5	24.0 @ 0.10	12.0 @ 0.20	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	8.14	6.37
838-PL5.0-24-130B	PL5.0-24-130B	5.0	24.0 @ 0.21	12.0 @ 0.42	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	8.79	6.88
838-PL10-24-130B	PL10-24-130B	10.0	24.0 @ 0.42	12.0 @ 0.84	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	9.68	7.58
838-PL20-24-130B	PL20-24-130B	20.0	24.0 @ 0.83	12.0 @ 1.66	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	11.66	9.13
838-PL30-24-130B	PL30-24-130B	30.0	24.0 @ 1.25	12.0 @ 2.50	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	13.82	10.82
838-PL2.5-28-130B	PL2.5-28-130B	2.5	28.0 @ 0.09	14.0 @ 0.18	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	8.14	6.37
838-PL5.0-28-130B	PL5.0-28-130B	5.0	28.0 @ 0.18	14.0 @ 0.36	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	8.79	6.88
838-PL10-28-130B	PL10-28-130B	10.0	28.0 @ 0.36	14.0 @ 0.72	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	9.68	7.58
838-PL20-28-130B	PL20-28-130B	20.0	28.0 @ 0.72	14.0 @ 1.44	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	11.66	9.13
838-PL30-28-130B	PL30-28-130B	30.0	28.0 @ 1.06	14.0 @ 2.12	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	13.82	10.82
838-PL2.5-36-130B	PL2.5-36-130B	2.5	36.0 @ 0.07	18.0 @ 0.14	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	8.14	6.37
838-PL5.0-36-130B	PL5.0-36-130B	5.0	36.0 @ 0.14	18.0 @ 0.28	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	8.79	6.88
838-PL10-36-130B	PL10-36-130B	10.0	36.0 @ 0.28	18.0 @ 0.56	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	9.68	7.58
838-PL20-36-130B	PL20-36-130B	20.0	36.0 @ 0.56	18.0 @ 1.12	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	11.66	9.13
838-PL30-36-130B	PL30-36-130B	30.0	36.0 @ 0.82	18.0 @ 1.64	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	13.82	10.82

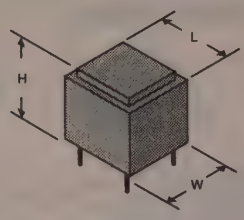
TransERA Encapsulated Transformers

TransERA Encapsulated Transformers give you added advantages over un-encapsulated transformers. They give a reduced winding temperature differential due to heat transfer capability of epoxy. There is a greater VA/Volume ratio resulting in cooler and/or smaller transformers. Insulation reliability is increased due to use of epoxy in place of tape/paper insulation. Encapsulated transformers offer superior humidity/moisture resistance and an ease of handling during manufacture. Also there is an improved product appearance when you use an encapsulated transformer.

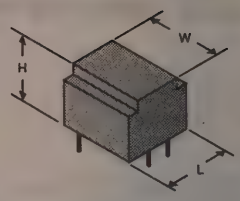
Features:
- Vacuum sealed
- Two-chamber coil



LOW PROFILE SERIES



PRINT-LINE SERIES



MINI-LINE SERIES

LOW PROFILE SERIES

For quantities of 100 and up, call for quo

MOUSER STOCK NO.	TransERA Part No.	VA	Primary (V)	Secondary Rating	Pin	Dimensions (In.)			Price Each		
						L	W	H	1	10	25
823-BV030-7007	BV030-7007.0	6	115	2X9V @ 333mA	10-12/16-14	1.732	2.087	0.866	14.09	12.81	11.79
823-BV030-6941	BV030-6941.0	4	115	2X12V @ 166mA	10-12/16-14	1.732	2.087	0.748	13.27	12.06	11.10
823-BV030-7079	BV030-7079.0	10	115	2X12V @ 416mA	10-12/16-14	1.732	2.087	1.102	16.26	14.79	13.60
823-BV039-5101	BV039-5101.0	14	115	2X12V @ 583mA	12-14/19-17	2.244	2.677	0.945	20.37	18.52	17.04
823-BV039-5239	BV039-5239.0	24	115	2X12V @ 1000mA	12-14/19-17	2.244	2.677	1.220	23.98	21.80	20.06
823-BV039-5308	BV039-5308.0	30	115	2X12V @ 1250mA	12-14/19-17	2.244	2.677	1.378	25.31	23.00	21.16
823-BV039-5311	BV039-5311.0	30	115	2X15V @ 1000mA	12-14/19-17	2.244	2.677	1.378	25.31	23.00	21.16

PRINT-LINE SERIES

For quantities of 100 and up, call for quo

MOUSER STOCK NO.	TransERA Part No.	VA	Primary (V)	Secondary Rating	Pin	Dimensions (In.)			Price Each		
						L	W	H	1	10	25
823-BV030-7221	BV030-7221.0	1.0	115	9V @ 111mA	7-9	1.280	1.083	0.866	5.16	4.69	4.32
823-BV030-7151	BV030-7151.0	1.5	115	9V @ 166mA	7-9	1.280	1.083	0.945	5.16	4.69	4.31
823-BV030-7329	BV030-7329.0	2.3	115	9V @ 256mA	7-9	1.280	1.083	1.142	6.11	5.55	5.11
823-BV030-7597	BV030-7597.0	2.8	115	9V @ 311mA	7-9	1.280	1.083	1.339	7.16	6.51	5.99
823-BV030-7258	BV030-7258.0	1.2	115	12V @ 100mA	7-9	1.280	1.083	0.945	5.10	4.64	4.27
823-BV030-7136	BV030-7136.0	1.5	115	12V @ 125mA	7-9	1.280	1.083	0.945	5.16	4.69	4.31
823-BV030-7233	BV030-7233.0	1.0	230	9V @ 111mA	7-9	1.280	1.083	0.866	5.16	4.69	4.32
823-BV030-7162	BV030-7162.0	1.5	230	9V @ 166mA	7-9	1.280	1.083	0.945	5.16	4.69	4.31
823-BV030-7305	BV030-7305.0	2.0	230	9V @ 222mA	7-9	1.280	1.083	1.063	5.62	5.11	4.70
823-BV030-7341	BV030-7341.0	2.3	230	9V @ 256mA	7-9	1.280	1.083	1.142	6.11	5.55	5.11
823-BV030-7585	BV030-7585.0	2.8	230	9V @ 311mA	7-9	1.280	1.083	1.339	7.16	6.51	5.99
823-BV042-5190	BV042-5190.0	5.0	230	9V @ 556mA	7-9	1.988	1.673	1.358	10.20	9.27	8.53
823-BV030-7234	BV030-7234.0	1.0	230	12V @ 84mA	7-9	1.280	1.083	0.866	5.16	4.69	4.32
823-BV030-7270	BV030-7270.0	1.2	230	12V @ 100mA	7-9	1.280	1.083	0.945	5.10	4.64	4.27
823-BV030-7342	BV030-7342.0	2.3	230	12V @ 192mA	7-9	1.280	1.083	1.142	6.11	5.55	5.11
823-BV030-7586	BV030-7586.0	2.8	230	12V @ 233mA	7-9	1.280	1.083	1.339	7.16	6.51	5.99
823-BV042-5193	BV042-5193.0	5.0	230	12V @ 417mA	7-9	1.988	1.673	1.358	10.20	9.27	8.53
823-BV042-5196	BV042-5196.0	5.0	230	15V @ 334mA	7-9	1.988	1.673	1.358	10.20	9.27	8.53
823-BV030-7308	BV030-7308.0	2.0	230	18V @ 111mA	7-9	1.280	1.083	1.063	5.62	5.11	4.70
823-BV042-5199	BV042-5199.0	5.0	230	18V @ 278mA	7-9	1.988	1.673	1.358	10.20	9.27	8.53
823-BV030-7345	BV030-7345.0	2.3	230	24V @ 96mA	7-9	1.280	1.083	1.142	6.11	5.55	5.11
823-BV030-7347	BV030-7347.0	2.3	230	2X9V @ 128mA	6-7/9-10	1.280	1.083	1.142	7.00	6.36	5.85
823-BV048-5216	BV048-5216.0	10.0	230	2X12V @ 416mA	6-7/9-10	1.988	1.673	1.358	12.57	11.43	10.52

MINI-LINE SERIES

For quantities of 100 and up, call for quo

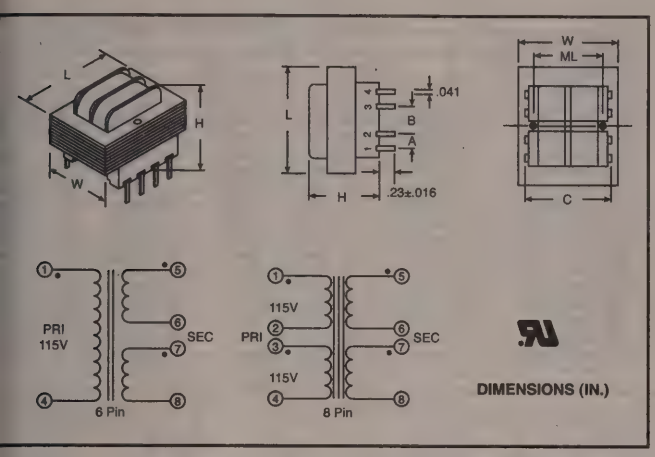
MOUSER STOCK NO.	TransERA Part No.	VA	Primary (V)	Secondary Rating	Pin	Dimensions (In.)			Price Each		
						L	W	H	1	10	25
823-BV020-5470	BV020-5470.0	0.08	115	6V @ 13.3mA	6-7	0.866	0.906	0.472	6.78	6.17	5.67
823-BV020-5411	BV020-5411.0	0.35	115	6V @ 58mA	6-7	0.866	0.906	0.591	5.48	4.98	4.58
823-BV020-5370	BV020-5370.0	0.50	115	6V @ 83mA	6-7	0.866	0.906	0.748	5.80	5.27	4.85
823-BV020-5472	BV020-5472.0	0.08	115	12V @ 6.67mA	6-7	0.866	0.906	0.472	6.78	6.17	5.67
823-BV020-5413	BV020-5413.0	0.35	115	12V @ 29mA	6-7	0.866	0.906	0.591	5.48	4.98	4.58
823-BV020-5372	BV020-5372.0	0.50	115	12V @ 42mA	6-7	0.866	0.906	0.748	5.80	5.27	4.85
823-BV020-5416	BV020-5416.0	0.35	115	24V @ 14mA	6-7	0.866	0.906	0.591	5.48	4.98	4.58
823-BV020-5375	BV020-5375.0	0.50	115	24V @ 21mA	6-7	0.866	0.906	0.748	5.80	5.27	4.85
823-BV020-5417	BV020-5417.0	0.35	115	2X6V @ 29mA	5-6/7-8	0.866	0.906	0.591	6.37	5.79	5.33
823-BV020-5376	BV020-5376.0	0.50	115	2X6V @ 42mA	5-6/7-8	0.866	0.906	0.748	6.69	6.08	5.60
823-BV020-5378	BV020-5378.0	0.50	115	2X12V @ 21mA	5-6/7-8	0.866	0.906	0.748	6.69	6.08	5.60
823-BV020-5381	BV020-5381.0	0.50	115	2X24V @ 10mA	5-6/7-8	0.866	0.906	0.748	6.69	6.08	5.60
823-BV020-5480	BV020-5480.0	0.08	230	6V @ 13.3mA	6-7	0.866	0.906	0.472	6.78	6.16	5.67
823-BV020-5423	BV020-5423.0	0.35	230	6V @ 58mA	6-7	0.866	0.906	0.591	5.48	4.98	4.58
823-BV020-5382	BV020-5382.0	0.50	230	6V @ 83mA	6-7	0.866	0.906	0.748	5.80	5.27	4.85
823-BV020-5482	BV020-5482.0	0.08	230	12V @ 6.67mA	6-7	0.866	0.906	0.472	6.78	6.17	5.67
823-BV020-5425	BV020-5425.0	0.35	230	12V @ 29mA	6-7	0.866	0.906	0.591	5.48	4.98	4.58
823-BV020-5384	BV020-5384.0	0.50	230	12V @ 42mA	6-7	0.866	0.906	0.748	5.80	5.27	4.85
823-BV020-5428	BV020-5428.0	0.35	230	24V @ 14mA	6-7	0.866	0.906	0.591	5.48	4.98	4.58
823-BV020-5387	BV020-5387.0	0.50	230	24V @ 21mA	6-7	0.866	0.906	0.748	5.80	5.27	4.85
823-BV020-5388	BV020-5388.0	0.50	230	2X6V @ 42mA	5-6/7-8	0.866	0.906	0.748	6.69	6.08	5.60
823-BV020-5419	BV020-5419.0	0.35	230	2X12V @ 14mA	5-6/7-8	0.866	0.906	0.591	6.37	5.79	5.33
823-BV020-5390	BV020-5390.0	0.50	230	2X12V @ 21mA	5-6/7-8	0.866	0.906	0.748	6.69	6.08	5.60
823-BV020-5422	BV020-5422.0	0.35	230	2X24V @ 7mA	5-6/7-8	0.866	0.906	0.591	6.37	5.79	5.33
823-BV020-5393	BV020-5393.0	0.50	230	2X24V @ 10mA	5-6/7-8	0.866	0.906	0.748	6.69	6.08	5.60

TRIAD SPLIT-PACK® POWER TRANSFORMERS

The Triad Split-Pack® split bobbin transformer is an extremely versatile tool for PC board applications. Split-Pack® transformers are nonconcentrically wound with primaries and secondaries side-by-side. Unlike the secondary on-top-of-primary designs of standard PC board transformers, the split-bobbin winding and low capacitive coupling eliminate costly electrostatic shielding.

Features:
- Primary: 115/230VAC 50/60Hz
- Hi-pot tested at 2,500VRMS
- Class B UL recognized
- PC terminal pin spacing for accurate placement

Series connections: 230VAC
Primary: Input 1 and 4, connect 2 and 3
Secondary: output 5 and 8, connect 6 and 7
Parallel connections: 115VAC
Primary: Input 1 and 2, connect 1 and 3, 2 and 4
Secondary: output 5 and 6, connect 5 and 7, 6 and 8



∗ Has 4 mounting holes on 2.188 x 1.75 centers

Power (VA)	Dimensions (In.)						
	H	W	L	ML	A	B	C
1.1	0.9375	1.125	1.375	- - -	0.25	0.25	1.20
2.5	1.188	1.125	1.375	- - -	0.25	0.25	1.20
6.0	1.313	1.313	1.625	1.063	0.25	0.35	1.28
12.0	1.438	1.563	1.875	1.250	0.30	0.40	1.41
20.0	1.438	1.875	2.250	1.500	0.30	0.40	1.60
36.0	1.563	2.188	2.625	∗	0.40	0.40	1.85

Single Primary 115V, 6 Pins

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Power (VA)	Secondary Ratings		Price Each		
		Series	Parallel	1	10	25
553-F24-045	1.1	24.0VAC CT @ 0.045A	12.0VAC @ 0.09A	7.51	6.38	5.71
553-F10-250	2.5	10.0VAC CT @ 0.25A	5.0VAC @ 0.5A	7.64	6.49	5.81
553-F12-200	2.5	12.6VAC CT @ 0.2A	6.3VAC @ 0.4A	7.64	6.49	5.81
553-F16-150	2.5	16.0VAC CT @ 0.15A	8.0VAC @ 0.3A	7.64	6.49	5.81
553-F36-65	2.5	36.0VAC CT @ 0.065A	18.0VAC @ 0.13A	7.64	6.49	5.81
553-F12-500	6.0	12.6VAC CT @ 0.5A	6.3VAC @ 1.0A	8.64	7.34	6.57
553-F16-400	6.0	16.0VAC CT @ 0.4A	8.0VAC @ 0.8A	8.64	7.34	6.57
553-F20-300	6.0	20.0VAC CT @ 0.3A	10.0VAC @ 0.6A	8.64	7.34	6.57
553-F24-250	6.0	24.0VAC CT @ 0.25A	12.0VAC @ 0.5A	8.64	7.34	6.57
553-F28-200	6.0	28.0VAC CT @ 0.2A	14.0VAC @ 0.4A	8.64	7.34	6.57
553-F10-1200	12.0	10.0VAC CT @ 1.2A	5.0VAC @ 2.4A	9.91	8.42	7.53
553-F12-1000	12.0	12.6VAC CT @ 1.0A	6.3VAC @ 2.0A	9.91	8.42	7.53
553-F20-600	12.0	20.0VAC CT @ 0.6A	10.0VAC @ 1.2A	9.91	8.42	7.53
553-F24-500	12.0	24.0VAC CT @ 0.5A	12.0VAC @ 1.0A	9.91	8.42	7.53
553-F20-1000	20.0	20.0VAC CT @ 1.0A	10.0VAC @ 2.0A	11.84	9.99	8.99
553-F16-2250	36.0	16.0VAC CT @ 2.25A	8.0VAC @ 4.5A	15.27	12.98	11.61

Dual Primary 115V/230V, 8 Pins

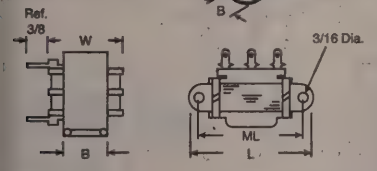
For quantities greater than listed, call for quote.

553-FS24-045	1.1	24.0VAC CT @ 0.045A	12.0VAC @ 0.09A	8.62	7.45	6.67
553-FS48-023	1.1	48.0VAC CT @ 0.023A	24.0VAC @ 0.046A	8.71	7.40	6.62
553-FS10-250	2.5	10.0VAC CT @ 0.25A	5.0VAC @ 0.5A	9.00	7.65	6.84
553-FS12-200	2.5	12.6VAC CT @ 0.2A	6.3VAC @ 0.4A	9.00	7.65	6.84
553-FS16-150	2.5	16.0VAC CT @ 0.15A	8.0VAC @ 0.3A	9.00	7.65	6.84
553-FS24-100	2.5	24.0VAC CT @ 0.1A	12.0VAC @ 0.2A	9.00	7.65	6.84
553-FS36-65	2.5	36.0VAC CT @ 0.065A	18.0VAC @ 0.13A	9.00	7.65	6.84
553-FS48-050	2.5	48.0VAC CT @ 0.05A	24.0VAC @ 0.1A	9.00	7.65	6.84
553-FS10-600	6.0	10.0VAC CT @ 0.6A	5.0VAC @ 1.2A	9.60	8.16	7.30
553-FS12-500	6.0	12.6VAC CT @ 0.5A	6.3VAC @ 1.0A	9.60	8.16	7.30
553-FS16-400	6.0	16.0VAC CT @ 0.4A	8.0VAC @ 0.8A	9.60	8.16	7.30
553-FS20-300	6.0	20.0VAC CT @ 0.3A	10.0VAC @ 0.6A	9.60	8.16	7.30
553-FS24-250	6.0	24.0VAC CT @ 0.25A	12.0VAC @ 0.5A	9.60	8.16	7.30
553-FS28-200	6.0	28.0VAC CT @ 0.2A	14.0VAC @ 0.4A	9.60	8.16	7.30
553-FS36-170	6.0	36.0VAC CT @ 0.17A	18.0VAC @ 0.34A	9.60	8.16	7.30
553-FS12-1000	12.0	12.6VAC CT @ 1.0A	6.3VAC @ 2.0A	11.00	9.35	8.36
553-FS16-800	12.0	16.0VAC CT @ 0.8A	8.0VAC @ 1.6A	11.00	9.35	8.36
553-FS20-600	12.0	20.0VAC CT @ 0.6A	10.0VAC @ 1.2A	11.00	9.35	8.36
553-FS24-500	12.0	24.0VAC CT @ 0.5A	12.0VAC @ 1.0A	11.00	9.35	8.36
553-FS28-420	12.0	28.0VAC CT @ 0.42A	14.0VAC @ 0.84A	11.00	9.35	8.36
553-FS36-350	12.0	36.0VAC CT @ 0.35A	18.0VAC @ 0.7A	11.00	9.35	8.36
553-FS12-1600	20.0	12.6VAC CT @ 1.6A	6.3VAC @ 3.2A	13.51	11.48	10.27
553-FS20-1000	20.0	20.0VAC CT @ 1.0A	10.0VAC @ 2.0A	13.51	11.48	10.27
553-FS24-800	20.0	24.0VAC CT @ 0.8A	12.0VAC @ 1.6A	13.51	11.48	10.27
553-FS20-1800	36.0	20.0VAC CT @ 1.8A	10.0VAC @ 3.6A	16.84	14.31	12.80
553-FS24-1500	36.0	24.0VAC CT @ 1.5A	12.0VAC @ 3.0A	16.84	14.31	12.80
553-FS28-1300	36.0	28.0VAC CT @ 1.3A	14.0VAC @ 2.6A	16.84	14.31	12.80
553-FS36-1000	36.0	36.0VAC CT @ 1.0A	18.0VAC @ 2.0A	16.84	14.31	12.80

TRIAD QUICK PACK® POWER TRANSFORMERS

The Triad Quick Pack® offers a significant reduction in size and weight for a given VA rating. They are available in 5 sizes for a wide variety of applications. Quick Pack® transformers are bobbin wound for reduced size and small operating space, plus split bobbin nonconcentric winding eliminates costly electrostatic shielding. Termination is suitable for quick connects or soldering.

DIMENSIONS (IN.)



Features:
- Hi-pot tested at 2,500VRMS
- Class B insulation for max temperature of 130°C
- Terminal size is .187" x .021"
- UL recognized
- Mounting hole size: 0.188"

Output (VA)	Dimensions (In.)					
	L	W	H	A	B	ML
6.0	2.375	1.250	1.375	1.688	0.688	2.000
12.0	2.813	1.375	1.625	1.938	0.813	2.375
30.0	3.250	1.688	1.938	2.313	1.063	2.813
56.0	3.688	1.813	2.250	2.688	1.063	3.125
100.0	4.031	2.250	2.563	3.063	1.313	3.563

Single Primary 115VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Output (VA)	Output Rating	Price Each		
			1	10	25
553-F4-12	6.0	12.6VAC CT @ 0.5A	8.40	7.14	6.38
553-F4-120	6.0	120.0VAC CT @ 0.05A	8.40	7.14	6.38
553-F5-10	12.0	10.0VAC CT @ 1.2A	9.20	7.82	6.99
553-F5-12	12.0	12.6VAC CT @ 1.0A	9.20	7.82	6.99
553-F5-16	12.0	16.0VAC CT @ 0.8A	9.20	7.82	6.99
553-F6-10	30.0	10.0VAC CT @ 3.0A	12.51	10.63	9.51
553-F6-12	30.0	12.6VAC CT @ 2.5A	12.51	10.63	9.51
553-F6-24	30.0	24.0VAC CT @ 1.25A	12.51	10.63	9.51
553-F7-20	56.0	20.0VAC CT @ 2.8A	17.40	14.79	13.22
553-F7-24	56.0	24.0VAC CT @ 2.4A	17.40	14.79	13.22
553-F8-12	100.0	12.6VAC CT @ 8.0A	25.00	21.25	18.99
553-F8-24	100.0	24.0VAC CT @ 4.0A	25.00	21.25	18.99

Dual Primary 115/230VAC

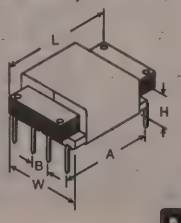
553-FD4-120	6.0	120.0VAC CT @ 0.05A	10.24	8.70	7.78
553-FD5-16	12.0	16.0VAC CT @ 0.8A	11.09	9.66	8.63
553-FD6-12	30.0	12.6VAC CT @ 2.5A	14.71	12.50	11.18
553-FD6-20	30.0	20.0VAC CT @ 1.5A	14.71	12.50	11.18
553-FD7-16	56.0	16.0VAC CT @ 3.5A	18.00	15.30	13.68
553-FD7-24	56.0	24.0VAC CT @ 2.4A	18.00	15.30	13.68
553-FD7-36	56.0	36.0VAC CT @ 1.5A	18.00	15.30	13.68

TRIAD FLAT PACK POWER TRANSFORMERS

The Triad Flat Pack power transformer is designed to meet the needs of low clearance PC board and solid state power designs. These units can also be used for control and instrumentation applications. Voltages and currents were chosen for widely used power applications. It is offered in a dual primary and dual secondary configuration.

Features:
Split bobbin with side-by-side windings to reduce capacitance and eliminate the need for a static shield
Low profile: Allows 3/4" card spacing for 2.5 VA units, allows 1" card spacing for 6 VA units, allows 1 1/4" card spacing for 12 VA units

Specifications:
- Hi-pot tested at 2000 VRMS
- Primary: 115/230VAC, 50/60Hz



Power (VA)	Dimensions (In.)				
	H	W	L	A	B
2.5	0.650	1.562	1.875	1.600	0.375
6.0	0.875	1.562	1.875	1.600	0.375
12.0	1.062	2.000	2.500	2.000	0.500

For quantities greater than listed, call for quote.

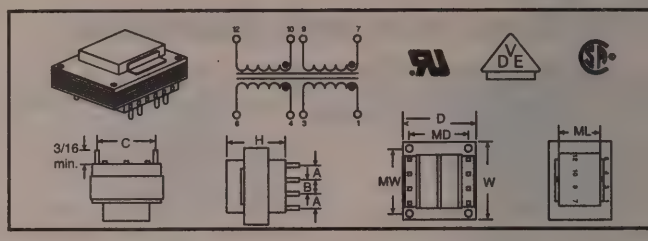
MOUSER STOCK NO.	Power (VA)	Secondary Ratings		Price Each		
		Series	Parallel	1	10	25
553-FP10-250	2.5	10.0VAC CT @ 0.25A	5.0VAC @ 0.5A	10.76	9.15	8.18
553-FP12-200	2.5	12.6VAC CT @ 0.2A	6.3VAC @ 0.4A	10.76	9.15	8.18
553-FP30-85	2.5	30.0VAC CT @ 0.08A	15.0VAC @ 0.16A	10.76	9.15	8.18
553-FP12-475	6.0	12.6VAC CT @ 0.475A	6.3VAC @ 0.95A	11.99	10.20	9.13
553-FP16-375	6.0	16.0VAC CT @ 0.375A	8.0VAC @ 0.75A	11.99	10.20	9.13
553-FP20-300	6.0	20.0VAC CT @ 0.3A	10.0VAC @ 0.6A	11.99	10.20	9.13
553-FP24-250	6.0	24.0VAC CT @ 0.25A	12.0VAC @ 0.5A	11.99	10.20	9.13
553-FP30-200	6.0	30.0VAC CT @ 0.2A	15.0VAC @ 0.4A	11.99	10.20	9.13
553-FP40-150	6.0	40.0VAC CT @ 0.15A	20.0VAC @ 0.3A	11.99	10.20	9.13
553-FP230-25	6.0	230.0VAC CT @ 0.025A	115.0VAC @ 0.05A	11.99	10.20	9.13
553-FP12-950	12.0	12.6VAC CT @ 0.95A	6.3VAC @ 1.9A	13.99	11.90	10.64
553-FP16-750	12.0	16.0VAC CT @ 0.75A	8.0VAC @ 1.5A	13.99	11.90	10.64
553-FP20-600	12.0	20.0VAC CT @ 0.6A	10.0VAC @ 1.2A	13.99	11.90	10.64
553-FP24-500	12.0	24.0VAC CT @ 0.5A	12.0VAC @ 1.0A	13.99	11.90	10.64
553-FP30-400	12.0	30.0VAC CT @ 0.4A	15.0VAC @ 0.8A	13.99	11.90	10.64
553-FP34-340	12.0	34.0VAC CT @ 0.34A	17.0VAC @ 0.68A	13.99	11.90	10.64
553-FP40-300	12.0	40.0VAC CT @ 0.3A	20.0VAC @ 0.6A	13.99	11.90	10.64

TRIAD PC MOUNT - WORLD SERIES™

Specifications:

- Primary: 115/230V, 50/60Hz
- VA ranges: 2.5 to 56.0
- Hi-pot tested @ 4,000VRMS

VA	Dimensions (In.)							Mounting		
	H	W	D	A	B	C	Pin	ML	MD	MW
2.5	1.1250	1.625	1.3125	.200	.250	1.000	.025 sq.	1.0625	----	----
5.0	1.3750	1.625	1.3125	.200	.400	1.000	.025 sq.	1.0625	----	----
10.0	1.3750	1.875	1.5625	.200	.400	1.140	.036 sq.	1.2500	----	----
20.0	1.6250	2.250	1.8750	.400	.400	1.460	.036 sq.	1.5000	----	----
30.0	1.5625	2.625	2.1875	.550	.275	1.680	.045 sq.	----	1.750	2.1875
56.0	1.8125	3.000	2.5000	.600	.300	1.900	.045 sq.	----	2.000	2.5000



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	VA	Secondary		Price Each		
		Series	Parallel	1	10	25
553-VPP10250	2.5	10.0VAC CT @ 0.25A	5.0VAC @ 0.5A	9.62	8.18	7.31
553-VPP10500	5.0	10.0VAC CT @ 0.5A	5.0VAC @ 1.0A	10.36	8.81	7.87
553-VPP105600	56.0	10.0VAC CT @ 5.6A	5.0VAC @ 11.2A	19.84	16.86	15.08
553-VPP12400	5.0	12.6VAC CT @ 0.4A	6.3VAC @ 0.8A	10.36	8.81	7.87
553-VPP12800	10.0	12.6VAC CT @ 0.8A	6.3VAC @ 1.6A	11.60	9.86	8.82
553-VPP121600	20.0	12.6VAC CT @ 1.6A	6.3VAC @ 3.2A	14.11	12.00	10.72
553-VPP122400	30.0	12.6VAC CT @ 2.4A	6.3VAC @ 4.8A	16.22	13.79	12.33
553-VPP124400	56.0	12.6VAC CT @ 4.4A	6.3VAC @ 8.8A	19.84	16.86	15.08
553-VPP16310	5.0	16.0VAC CT @ 0.31A	8.0VAC @ 0.62A	10.36	8.81	7.87
553-VPP16620	10.0	16.0VAC CT @ 0.62A	8.0VAC @ 1.25A	11.60	9.86	8.82
553-VPP161250	20.0	16.0VAC CT @ 1.25A	8.0VAC @ 2.5A	14.11	12.00	10.72
553-VPP161900	30.0	16.0VAC CT @ 1.9A	8.0VAC @ 3.8A	16.22	13.79	12.33
553-VPP163500	56.0	16.0VAC CT @ 3.5A	8.0VAC @ 7.0A	19.84	16.86	15.08
553-VPP20120	2.5	20.0VAC CT @ 0.12A	10.0VAC @ 0.24A	9.62	8.18	7.31

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	VA	Secondary		Price Each		
		Series	Parallel	1	10	25
553-VPP20250	5.0	20.0VAC CT @ 0.25A	10.0VAC @ 0.5A	10.36	8.81	7.87
553-VPP201000	20.0	20.0VAC CT @ 1.0A	10.0VAC @ 2.0A	14.11	12.00	10.72
553-VPP202800	56.0	20.0VAC CT @ 2.8A	10.0VAC @ 5.6A	19.84	16.86	15.08
553-VPP24100	2.5	24.0VAC CT @ 0.1A	12.0VAC @ 0.2A	9.62	8.18	7.31
553-VPP24420	10.0	24.0VAC CT @ 0.42A	12.0VAC @ 0.84A	11.60	9.86	8.82
553-VPP24830	20.0	24.0VAC CT @ 0.83A	12.0VAC @ 1.66A	14.11	12.00	10.72
553-VPP241250	30.0	24.0VAC CT @ 1.25A	12.0VAC @ 2.50A	16.22	13.79	12.33
553-VPP242330	56.0	24.0VAC CT @ 2.33A	12.0VAC @ 4.66A	19.84	16.86	15.08
553-VPP28180	5.0	28.0VAC CT @ 0.18A	14.0VAC @ 0.36A	10.36	8.81	7.87
553-VPP28720	20.0	28.0VAC CT @ 0.72A	14.0VAC @ 1.44A	14.11	12.00	10.72
553-VPP281060	30.0	28.0VAC CT @ 1.06A	14.0VAC @ 2.12A	16.22	13.79	12.33
553-VPP282000	56.0	28.0VAC CT @ 2.0A	14.0VAC @ 4.0A	19.84	16.86	15.08
553-VPP36070	2.5	36.0VAC CT @ 0.07A	18.0VAC @ 0.14A	9.62	8.18	7.31
553-VPP36280	10.0	36.0VAC CT @ 0.28A	18.0VAC @ 0.56A	11.60	9.86	8.82
553-VPP36560	20.0	36.0VAC CT @ 0.56A	18.0VAC @ 1.12A	14.11	12.00	10.72
553-VPP36820	30.0	36.0VAC CT @ 0.82A	18.0VAC @ 1.64A	16.22	13.79	12.33
553-VPP361560	56.0	36.0VAC CT @ 1.56A	18.0VAC @ 3.12A	19.84	16.86	15.08

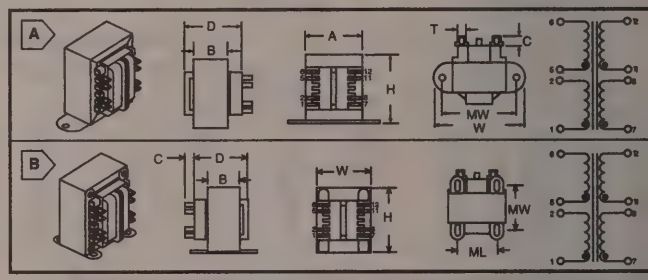
TRIAD CHASSIS MOUNT - WORLD SERIES™

Specifications:

- Quick connect terminals
- Hi-pot tested @ 4,000VRMS
- Primary: 115/230V, 50/60Hz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	VA	Secondary		Price Each		
			Series	Parallel	1	10	25
553-VPS122000	A	25	12.6VAC CT @ 2.0A	6.3VAC @ 4.0A	15.40	13.09	11.70
553-VPS123400	A	43	12.6VAC CT @ 3.4A	6.3VAC @ 6.8A	19.64	16.69	14.93
553-VPS126300	B	80	12.6VAC CT @ 6.3A	6.3VAC @ 12.6A	26.84	22.81	20.40
553-VPS161600	A	25	16.0VAC CT @ 1.6A	8.0VAC @ 3.2A	15.40	13.09	11.70
553-VPS162700	A	43	16.0VAC CT @ 2.7A	8.0VAC @ 5.4A	19.64	16.69	14.93
553-VPS165000	B	80	16.0VAC CT @ 5.0A	8.0VAC @ 10.0A	26.84	22.81	20.40
553-VPS241000	A	25	24.0VAC CT @ 1.0A	12.0VAC @ 2.0A	15.40	13.09	11.70
553-VPS241800	A	43	24.0VAC CT @ 1.8A	12.0VAC @ 3.6A	19.64	16.69	14.93
553-VPS243300	B	80	24.0VAC CT @ 3.3A	12.0VAC @ 6.6A	26.84	22.81	20.40
553-VPS247300	B	175	24.0VAC CT @ 7.3A	12.0VAC @14.6A	40.80	34.70	31.21
553-VPS36700	A	25	36.0VAC CT @ 0.7A	18.0VAC @ 1.4A	15.40	13.09	11.70
553-VPS361200	A	43	36.0VAC CT @ 1.2A	18.0VAC @ 2.4A	19.64	16.69	14.93
553-VPS362200	B	80	36.0VAC CT @ 2.2A	18.0VAC @ 4.4A	26.84	22.81	20.40
553-VPS230110	A	25	230.0VAC CT @ 0.11A	115.0VAC @ 0.22A	15.40	13.09	11.70
553-VPS230190	A	43	230.0VAC CT @ 0.19A	115.0VAC @ 0.38A	19.64	16.69	14.93
553-VPS230350	B	80	230.0VAC CT @ 0.35A	115.0VAC @ 0.7A	26.84	22.81	20.40



VA	Dimensions (In.)							Mounting	
	H	W	D	A	B	C	T	MW	ML
25	2.3125	2.8125	1.93750	2.0000	1.125	.3125	.1875	2.3750	----
43	2.6875	3.1250	2.00000	2.3125	1.125	.3125	.1875	2.8125	----
80	3.0000	2.5000	2.31250	----	1.375	.3125	.1875	2.0000	2.250
175	3.7500	3.1250	2.81251	----	1.625	.3750	.2500	2.5000	2.500

TRIAD ISOLATION POWER TRANSFORMERS

For isolating equipment from direct connection to the power line. The primary and secondary are nonconcentric precision wound on separate arbors, assembled on a laminate core side by side separated by insulation. This prevents electrical connection, under normal or overload conditions, between the primary and secondary windings.

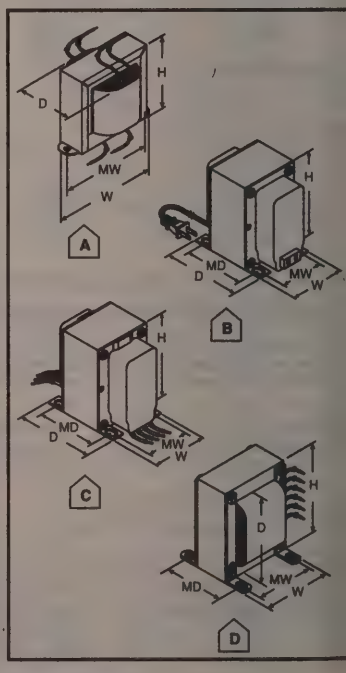
Specifications:

- Secondary voltage: ±5%
- Leakage current from primary to secondary is rated at less than 50μA and is typically measured at less than 10μA
- Hi-pot tested at 1500V
- Units with "M" suffix have 2-wire 6' cord, plug and socket.
- Line cord, plug and receptacle are UL listed and verified to meet federal specifications

§ = Split winding * w/ Ground wire

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	VA	Primary Voltage	Secondary Ratings		Mounting Hole Size (In.)	Dimensions (In.)					Price Each		
				Volts	Amps		H	W	D	MW	MD	1	10	25
553-N48X	A	15	115	115	0.130	0.188	1.9380	3.3130	2.000	2.813	---	15.51	14.47	13.55
553-N51X	A	35	115	115	0.300	0.188	2.2810	3.6880	2.125	3.125	---	12.00	11.20	10.50
553-N68X	A	50	115/230§	115	0.435	0.188	2.2810	3.6880	2.125	3.125	---	11.20	10.45	9.78
* 553-N54MG	B	150	115	115	1.300	0.375 x 0.188	3.8750	3.2810	4.250	2.500	3.000	71.95	67.07	62.80
553-N67A	C	150	115/230§	115	1.300	0.375 x 0.188	3.8750	3.2810	3.875	2.500	3.000	46.98	43.80	41.00
553-N66A	C	250	115/230§	115	2.170	0.375 x 0.188	4.6250	3.9380	4.625	3.000	3.625	62.20	57.99	54.25
553-N77U	D	100	115/230	115	0.860	0.203 x 0.375	3.4375	2.8125	3.000	2.250	2.500	25.31	23.59	22.10



TRIAD STEP-UP / STEP-DOWN AUTOTRANSFORMERS

Specifications:

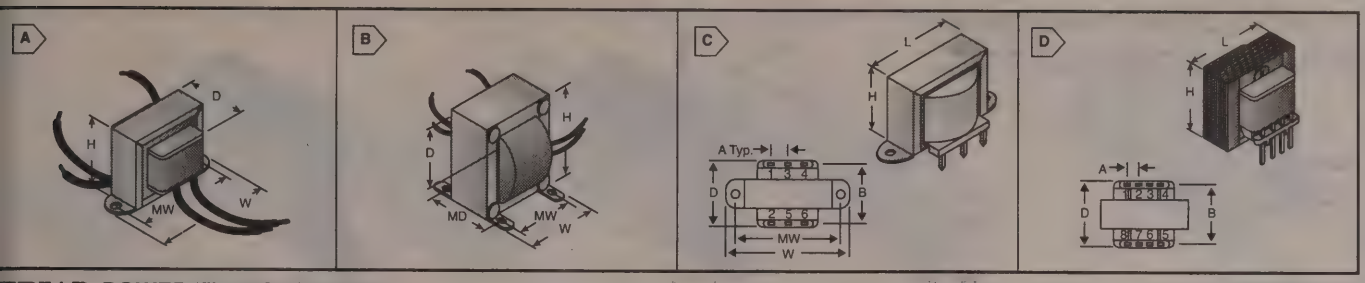
- 50/60Hz line frequency
- Hi-pot tested at 1,500 VRMS
- Secondary voltage: ±5
- Units with "M" suffix have 2-wire 6' cord, plug and socket
- Units with "MG" suffix have 3-wire 6' cord, plug and socket

Single winding transformers in which the primary coil is a fraction of the entire winding for voltage step-up or the secondary coil is a fraction of the entire winding for voltage step-down.

* w/ Ground Wire

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	VA	Primary Voltage	Secondary Ratings		Mounting Hole Size (In.)	Dimensions (In.)					Price Each		
				Volts	Amps		H	W	D	MW	MD	1	10	25
553-N1X	A	50	230	115	0.435	0.188	2.281	3.688	2.000	3.125	---	13.48	12.55	11.75
553-N2X	A	100	230	115	0.870	0.188	2.625	4.000	2.063	3.625	---	15.22	14.19	13.28
553-N4MG	B	150	230	115	1.300	0.375 x 0.188	3.594	2.969	4.250	2.250	2.875	72.94	69.10	64.50
553-N6U	D	200	230	115	1.700	0.203 x 0.375	3.375	2.813	2.813	2.250	2.250	28.10	26.19	24.53
*553-N5MG	B	250	230	115	2.170	0.375 x 0.188	3.875	3.281	4.813	2.500	3.500	115.76	107.90	101.03
553-N7MG	B	600	230	115	5.220	0.375 x 0.188	4.625	3.938	5.000	3.000	3.875	122.99	114.64	107.41
553-N9MG	B	1250	230	115	10.850	0.656 x 0.28	5.313	4.500	6.000	3.500	4.500	159.62	143.66	134.08
553-N150MG	B	150	115	230	0.650	0.375 x 0.188	3.594	2.969	3.313	2.250	2.125	100.00	90.00	84.00
553-N250MG	B	250	115	230	1.100	0.375 x 0.188	3.875	3.250	3.688	2.250	2.438	101.49	94.60	88.60
553-N1000MG	B	1000	115	230	4.350	0.5 x 0.25	5.375	4.500	5.500	3.500	4.125	186.90	174.22	163.17



TRIAD POWER TRANSFORMERS

DIMENSIONS (IN)

Use these power supply transformers for direct use or in transformer, rectifier, and filter circuits. They are single primary with single or double and multiple secondaries in standard size and weight configurations.

Single Secondary

• Primary: 115/230VAC 50/60Hz

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Primary VAC	Secondary Ratings		Connections	Mounting Hole Size (In.)	Dimensions (In.)					Price Each			
			VAC	Amps			H	W	D	MW	MD	1	10	25	50
553-F18X	A	115	6.3 CT	6.0	Leads	0.188	2.594	4.000	2.250	3.563	- - -	17.13	14.53	12.85	10.93
553-F113X	A	115	12.0	0.15	Leads	0.188	1.375	2.375	1.375	2.000	- - -	8.36	7.11	6.39	5.68
553-F114X	A	115	12.0	0.7	Leads	0.188	1.625	2.813	1.625	2.375	- - -	9.07	7.71	6.89	6.12
553-F44X	A	115	12.6 CT	2.0	Leads	0.188	1.938	3.313	2.000	2.813	- - -	13.80	11.71	10.36	9.32
553-F225X	A	115	12.6	4.0	Leads	0.188	2.625	4.000	2.063	3.563	- - -	16.60	14.94	13.94	12.87
553-F112X	A	115	14.0 CT	0.25	Leads	0.188	1.375	2.375	1.375	2.000	- - -	10.40	8.84	7.84	7.02
553-F253U	B	115	14.0 CT	6.0	Leads	0.203 x 0.375	3.375	2.813	2.875	2.250	2.375	34.73	29.52	26.39	21.88
553-F115X	A	115	24.0 CT	0.085	Leads	0.188	1.188	2.063	1.375	1.750	- - -	9.67	8.20	7.26	6.09
553-F192X	A	115	24.0 CT	2.0	Leads	0.188	2.594	4.000	2.250	3.563	- - -	17.20	14.57	12.89	10.84
553-F193U	B	115	24.0 CT	4.0	Leads	0.203 x 0.375	3.813	3.125	2.813	2.500	2.125	28.96	24.56	21.74	18.24
553-F260U	B	115	24.0 CT	6.0	Leads	0.203 x 0.375	3.750	3.125	3.500	2.500	2.875	39.64	33.69	30.13	24.98
553-F401U	B	115	24.0 CT	10.0	Leads	0.203 x 0.375	4.125	3.438	3.750	2.750	3.000	43.11	36.64	32.76	27.16
553-F56X	A	115	25.2 CT	2.8	Leads	0.188	2.656	4.000	2.250	3.563	- - -	18.78	15.94	14.10	11.83

PC Mount Single Primary 115 VAC, 50/60Hz, Dual Secondaries

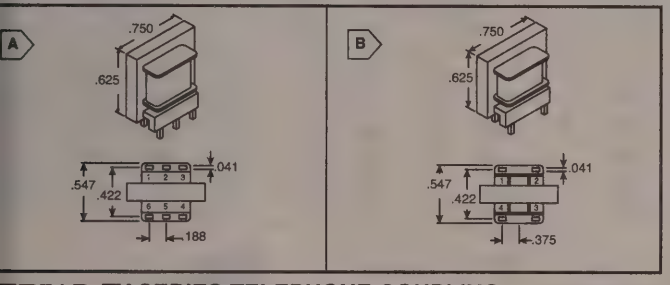
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Power VA	Secondary Ratings		Dimensions (In.)							Price Each			
			Series	Parallel	H	W	D	L	A	B	MW	1	10	25	50
553-F142XP	C	4.5	15.0V CT @ 0.3A	7.5VAC @ 0.6A	1.438	2.375	1.25	1.703	0.406	1.094	2.000	9.69	9.00	8.36	7.53
553-F144XP	C	4.5	54.0V CT @ 0.084A	27.0VAC @ 0.168A	- - -	- - -	1.25	1.703	0.406	1.094	2.000	11.94	11.09	10.30	9.27

PC Mount Dual Primary 115/230 VAC, 50/60Hz, Dual Secondaries

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Power VA	Secondary Ratings		Dimensions (In.)							Price Each			
			Series	Parallel	H	W	D	L	A	B	MW	1	10	25	50
553-F3132P	D	1.5	15.0V CT@0.1A	7.5VAC@0.2A	1.188	- - -	1.125	1.375	0.203	1.000	- - -	7.40	6.29	5.62	4.66
553-F333P	D	1.5	30.0V CT @ 0.05A	15.0VAC @ 0.1A	1.188	- - -	1.125	1.375	0.203	1.000	- - -	8.62	7.33	6.55	5.82
553-F372P	D	24	16.0V CT@1.5A	8.0VAC@3.0A	1.375	- - -	2.250	1.625	0.250	2.109	- - -	11.11	9.44	8.44	7.00



TRIAD TY SERIES TELEPHONE COUPLING TRANSFORMERS

DIMENSIONS (IN)

Specifications:
Complies with FCC rules part 68
Power level: -45dBm to +7dBm

• Frequency response: 300-3500Hz ± 0.5dB

For quantities of 100 and up, call for quote.

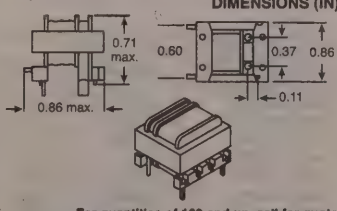
MOUSER STOCK NO.	Fig.	Impedance		Application	Price Each			
		Pri (Ω)	Sec (Ω)		1	10	25	50
553-TY300P	A	600	600/600	Hybrid *	5.56	4.73	4.23	3.78
553-TY303P	B	4K	600	Bridging *	5.56	4.73	4.23	3.78
553-TY304P	A	600 CT	600 CT	Coupling	5.56	4.73	4.23	3.78

* 2 units required for hybrid operation

TRIAD LOW FREQUENCY CURRENT SENSE TRANSFORMER

DIMENSIONS (IN)

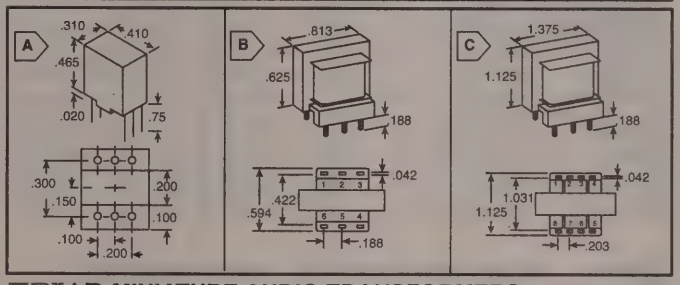
Designed to monitor current in low frequency applications. May be used to monitor current from .1 to 30 ampheres at frequencies from 0 Hz to 400 Hz.



Specifications:
Turns ration: Primary to sense 1:500.
Suggested burden resistor: 60 ohms.
Typical output: 110 mV/Amp.
Primary DCR: 250μOhms max.
Sense DCR: 21 Ohms max.
Constructed with UL recognized materials (Class B, 130°C).
Hi-pot: 500 volts.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Price Each			
	1	10	25	50
553-CSE187L	2.89	2.47	2.21	1.97



TRIAD MINIATURE AUDIO TRANSFORMERS

DIMENSIONS (IN)

Red Spec High-Reliability Audio Transformers

• Impedance matching: 10% over frequency range
• Hi-pot tested at 1000 VRMS
• Meets MIL-T-27E
• MIL Type: TF5S21ZZ (transformers); TF5S20ZZ (chokes)
• Working voltage: 150VDC
• Frequency response: 300Hz-50kHz

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance		DC Resist. (Ω)		Pwr (mW)	Price Each		
		Pri. (Ω)	Sec. (Ω)	Pri.	Sec.		1	10	25
553-SP4	A	200K CT	1K CT	5300	100	10	21.29	17.99	16.18
553-SP21	A	10K CT	2K CT	1050	330	50	21.21	17.99	16.12
553-SP67	A	600CT	600CT	72	92	50	15.94	14.68	13.84
553-SP70	A	600	600	72	92	50	17.48	14.86	13.28
Shield									
553-SP310	-	- - -	- - -	- - -	- - -	- - -	3.40	2.89	2.57

TY Series Plug-In PC Audio Transformers

• Impedance matching: 10% over frequency range
• Frequency response: 200-15kHz

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance		Pri. Cur. (mA)	Power	Price Each		
		Primary (Ω)	Sec. (Ω)			1	10	25
553-TY141P	B	10K CT	10K CT	4	100mW	3.89	3.31	2.96
553-TY142P	B	10K CT	2K CT	4	100mW	3.89	3.31	2.96
553-TY144P	B	15K CT	15K CT	4	100mW	3.89	3.31	2.96
553-TY145P	B	600 CT	600 CT	15	100mW	3.89	3.31	2.96
553-TY146P	C	600 CT/150§	600 CT/150§	- - -	1W	7.22	6.14	5.49

§ = Split winding

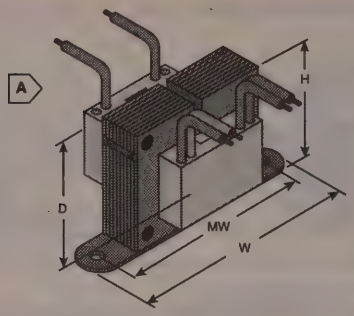
Control Transformers

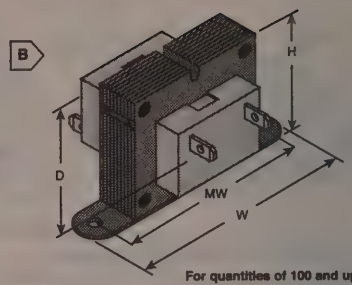
TRIAD CONTROL TRANSFORMERS

Triad control transformers come with tamper resistant shrouds for safety and a steel bracket welded to the bottom of the transformer for ease of mounting.

Features:

- No secondary fusing is required
- Class 2 UL approval, file # E65390





For quantities of 100 and up, call for quote

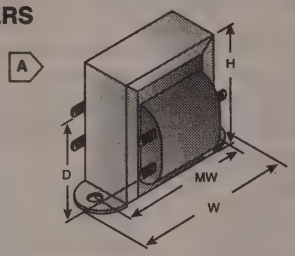
MOUSER STOCK NO.	Triad Part No.	Fig.	Power (VA)	Primary Voltage	Secondary Volts	Secondary Amps	Connections	Dimensions (In.) H	W	D	MW	Price Each 1	10	25	50
553-01E07K	TCT40-01E07K	A	40	120	24	1.67	Leads	2.22	3.64	2.25	3.13	7.95	7.77	7.47	6.93
553-01E07AB	TCT40-01E07AB	B	40	120	24	1.67	Lugs	2.22	3.64	2.25	3.18	7.95	7.77	7.47	6.93
553-02E07K	TCT40-02E07K	A	40	240	24	1.67	Leads	2.22	3.64	2.25	3.13	7.95	7.77	7.47	6.93
553-02E07AB	TCT40-02E07AB	B	40	240	24	1.67	Lugs	2.22	3.64	2.25	3.18	7.95	7.77	7.47	6.93
553-05E07K	TCT40-05E07K	A	40	120/208/240	24	1.67	Leads	2.22	3.64	2.25	3.13	8.32	8.13	7.82	7.25
553-05E07AB	TCT40-05E07AB	B	40	120/208/240	24	1.67	Lugs	2.22	3.64	2.25	3.18	8.32	8.13	7.82	7.25
553-06E07K	TCT40-06E07K	A	40	120/240	24	1.67	Leads	2.22	3.64	2.25	3.13	8.08	7.90	7.59	7.04
553-06E07AB	TCT40-06E07AB	B	40	120/240	24	1.67	Lugs	2.22	3.64	2.25	3.18	8.08	7.90	7.59	7.04
553-09E07K	TCT40-09E07K	A	40	208/240	24	1.67	Leads	2.22	3.64	2.25	3.13	8.08	7.90	7.59	7.04
553-09E07AB	TCT40-09E07AB	B	40	208/240	24	1.67	Lugs	2.22	3.64	2.25	3.18	8.08	7.90	7.59	7.04

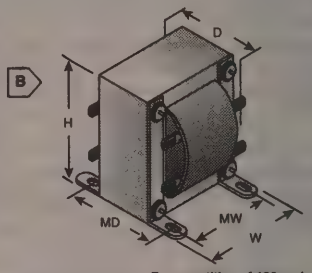
TRIAD CHASSIS MOUNT - CONTROL TRANSFORMERS

Triad control transformers supply voltages that are commonly utilized in various electronic, electro-magnetic and electrical control conditions

Features:

- Primary: 115/230VAC 50/60Hz
- Hi-pot tested at 1500 VRMS





For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Triad Part No.	Fig.	Power (VA)	Secondary Series	Secondary Parallel	Connections	Dimensions (In.) H	W	D	MW	MD	Price Each 1	10	25	50
553-F105Z	F-105Z	A	12	12.0V CT @ 1.0A	6.0V @ 2.0A	Lugs	2.38	2.88	1.75	2.38	---	17.71	16.80	15.45	14.30
553-F106Z	F-106Z	A	24	12.0V CT @ 2.0A	6.0V @ 4.0A	Lugs	2.75	3.13	2.00	2.81	---	18.00	16.50	14.85	13.00
553-F107Z	F-107Z	A	48	24.0V CT @ 2.0A	12.0V @ 4.0A	Lugs	3.13	3.63	2.75	3.13	---	15.50	14.00	13.10	12.00
553-F213Z	F-213Z	A	48	48.0V CT @ 1.0A	24.0V @ 2.0A	Lugs	3.13	3.63	2.75	3.13	---	21.00	18.28	16.44	14.60
553-F108U	F-108U	B	96	24.0V CT @ 4.0A	12.0V @ 8.0A	Lugs	3.41	2.81	3.19	2.25	2.25	27.90	26.10	23.67	21.87
553-F214U	F-214U	B	96	48.0V CT @ 2.0A	24.0V @ 4.0A	Lugs	3.41	2.81	3.19	2.25	2.63	28.00	26.00	23.04	21.66
553-F-400U	F-400U	B	144	48.0V CT @ 3.0A	24.0V @ 6.0A	Lugs	4.75	3.13	3.50	2.50	2.88	38.50	34.00	30.89	28.22
553-F109U	F-109U	B	192	24.0V CT @ 8.0A	12.0V @ 16.0A	Lugs	4.19	3.44	3.56	2.75	3.00	51.20	48.00	44.60	39.97
553-F215U	F-215U	B	192	48.0V CT @ 4.0A	24.0V @ 8.0A	Lugs	4.19	3.44	3.88	2.78	3.00	45.00	41.20	36.92	35.20

SOLA/HEVI-DUTY INDUSTRIAL CONTROL TRANSFORMERS

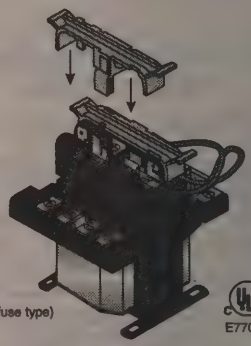
The SBE Encapsulated industrial control transformers are epoxy encapsulated to seal the transformer windings against moisture, dirt, and industrial contaminant's. Extra deep, molded terminal barriers reduce the chance of electrical failure resulting from arcing or frayed lead wires.

Features:

- 50-1000VA, 50/60 Hz - suitable for world wide applications
- Interleaved copper windings reduce I^2R losses and maximize efficiency
- Epoxy encapsulated to protect cores and coils against moisture, dirt, and other contaminants
- Meets or exceeds NEMA Standard ST 1 and ANSI C89.1 for load inrush capability
- Heavy gauge steel mounting plate
- Integrally molded, flame retardant (IEC 707/ISO Class 1210 terminal blocks provide greater terminal contact area and improved conductivity
- Finger safe covers included
- Available without fuse holders - contact a Mouser Service Representative

Group 1A:
120 X 240 Volt Primary, 24 Volt Secondary, 60Hz
Factory installed Primary Fuse Holder Class "CC" and Secondary Fuse Holder (Glass or Ceramic, 1/4" x 1 1/4" fuse type)

Group 2A:
220 x 440 Volt Primary, 110 Volt Secondary, 50/60 Hz
230 x 460 Volt Primary, 115 Volt Secondary, 50/60 Hz
240 x 480 Volt Primary, 120 Volt Secondary, 60 Hz
Factory installed Primary Fuse Holder Class "CC" and Secondary Fuse Holder (Glass or Ceramic, 1/4" x 1 1/4" fuse type)



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Group 1A

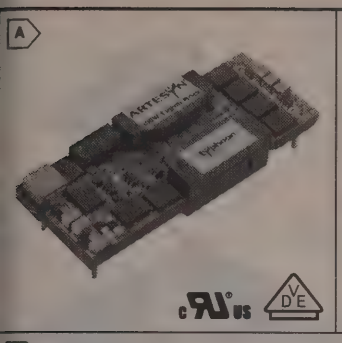
For quantities of 5 and up, call for quote.

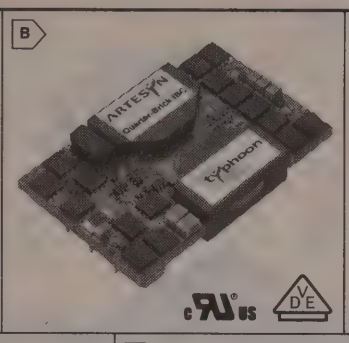
MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	VA	Dimensions (In.) H	W	D	Price Each 1	2
663-E050EWA	E050EWA	50	4.18	3.01	3.99	72.31	70.87
663-E075EWA	E075EWA	75	4.41	3.39	4.36	81.74	80.11
663-E100EWA	E100EWA	100	4.41	3.39	4.61	85.94	84.22
663-E150EWA	E150EWA	150	5.36	4.50	4.48	94.32	92.43
663-E200EWA	E200EWA	200	5.36	4.50	4.79	103.75	101.68
663-E250EWA	E250EWA	250	5.36	4.50	5.21	134.14	131.46
663-E300EWA	E300EWA	300	5.99	5.25	5.09	140.43	137.62
663-E350EWA	E350EWA	350	5.99	5.25	5.53	150.91	147.89

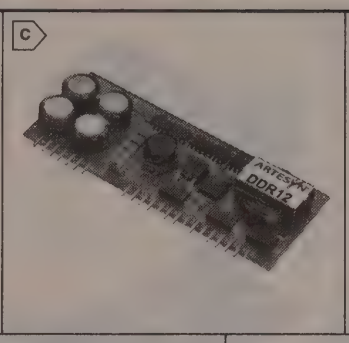
Group 2A

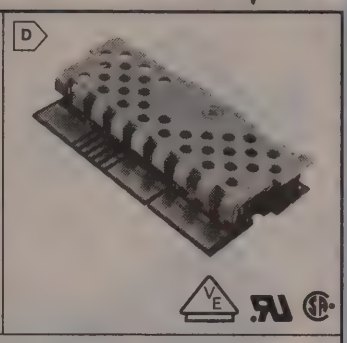
For quantities of 5 and up, call for quote

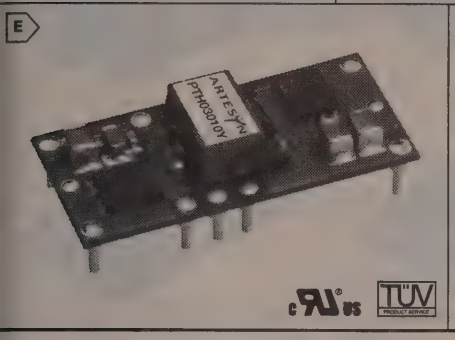
MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	VA	Dimensions (In.) H	W	D	Price Each 1	2
663-E050WA	E050WA	50	4.18	3.01	3.99	63.93	62.65
663-E075WA	E075WA	75	4.41	3.39	4.36	70.22	68.81
663-E100WA	E100WA	100	4.41	3.39	4.61	74.41	72.92
663-E150WA	E150WA	150	5.36	4.50	4.48	79.65	78.06
663-E200WA	E200WA	200	5.36	4.50	4.79	83.84	82.16
663-E250WA	E250WA	250	5.36	4.50	5.21	100.61	98.60
663-E300WA	E300WA	300	5.99	5.25	5.09	107.94	105.79
663-E350WA	E350WA	350	5.99	5.25	5.53	116.33	114.00
663-E500WA	E500WA	500	5.99	5.99	6.31	138.34	129.41
663-E750WA	E750WA	750	7.01	7.01	6.93	170.82	167.41
663-E1000WA	E1000WA	1000	7.01	6.38	7.36	192.83	188.96

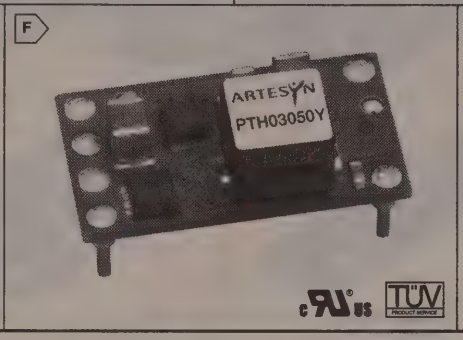


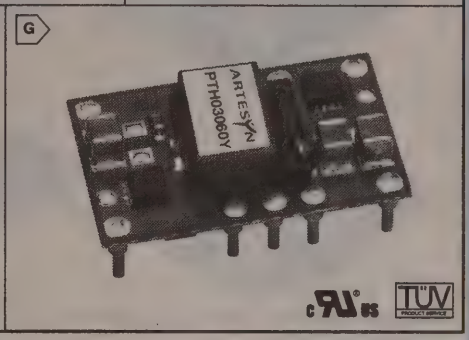












SOLATED DC-DC CONVERTERS

he IBC series is a high power density, low profile Intermediate Bus Converters with elevated conversion efficiency, open-frame construction, and superior thermal performance.
ll models are fully protected against overcurrent, overvoltage, and overtemperature. A positive logic primary referenced remote ON/OFF input is included as standard with negative
gic available as an option.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Output Power	Input Voltage	Regulation		Dimensions (In.)			Price Each		
							Line %	Load %	L	W	H	1	50	100
Eighth-Brick Intermediate Bus Converters (200-300W)														
826-IBC17AEW4812-RA	IBC17AEW4812-RA	A	12V	17A	200W	36-75VDC	±1.0%	±1.5%	2.30	0.90	0.40	86.32	78.98	72.08
826-IBC17AEW4812-RE	IBC17AEW4812-RE	A	12V	17A	200W	36-75VDC	±1.0%	±1.5%	2.30	0.90	0.45	86.32	78.98	72.08
826-IBC20AES4812-RA	IBC20AES4812-RA	A	12V	20A	240W	42-53VDC	±0.3%	±1.5%	2.30	0.90	0.40	81.32	74.41	67.90
826-IBC20AES4812-RE	IBC20AES4812-RE	A	12V	20A	240W	42-53VDC	±0.3%	±1.5%	2.30	0.90	0.45	81.32	74.41	67.90
826-IBC25AET4812-RA	IBC25AET4812-RA	A	12V	25A	300W	42-53VDC	+10, -12.5%	±1.5%	2.30	0.90	0.40	74.10	67.80	61.87
826-IBC25AET4812-RE	IBC25AET4812-RE	A	12V	25A	300W	42-53VDC	+10, -12.5%	±1.5%	2.30	0.90	0.45	74.10	67.80	61.87
Quarter-Brick Intermediate Bus Converters (336-450W)														
826-IBC28AQW4812-RA	IBC28AQW4812-RA	B	12V	28A	336W	36-75VDC	±1.0%	±2.0%	2.30	1.45	0.40	151.90	138.99	126.84
826-IBC28AQW4812-RE	IBC28AQW4812-RE	B	12V	28A	336W	36-75VDC	±1.0%	±2.0%	2.30	1.45	0.45	151.90	138.99	126.84
826-IBC30AQS4812-RA	IBC30AQS4812-RA	B	12V	30A	360W	42-53VDC	±0.3%	±1.5%	2.30	1.45	0.40	137.90	126.18	115.15
826-IBC30AQS4812-RE	IBC30AQS4812-RE	B	12V	30A	360W	42-53VDC	±0.3%	±1.5%	2.30	1.45	0.45	137.90	126.18	115.15
826-IBC38AQT4812-RA	IBC38AQT4812-RA	B	12V	37.5A	450W	42-53VDC	+10, -12.5%	±1.5%	2.30	1.45	0.40	123.50	113.00	103.12
826-IBC38AQT4812-RE	IBC38AQT4812-RE	B	12V	37.5A	450W	42-53VDC	+10, -12.5%	±1.5%	2.30	1.45	0.45	123.50	113.00	103.12

NON-ISOLATED POINT OF LOAD DC-DC CONVERTERS

he dual output DDR12 is specially designed to meet the power needs of double data rate memory DIMMS and associated memory control logic.
emote sense on V_{DDQ} and remote ON/OFF facilities are included as standard, and the converter is protected against overcurrent and overvoltage conditions.

ual Output Memory Power Point of Load DC-DC Converter

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Output Power	Input Voltage	Dimensions (In.)			Price Each		
							L	W	H	1	50	100
826-DDR12-25D08-A	DDR12-25D08-A	C	2.5V 1.25V	25A 8A	69W 11W	10.8-13.2VDC	3.00	0.50	1.20	34.08	31.18	28.46

he NXA66 is designed to meet the precise voltage and fast transient requirements of today's high performance applications. Employing synchronous rectification and
emocratic current sharing, the NXA66 can be used in a stand-alone configuration, or paralleled as a building block to achieve higher output currents or redundancy.

6W Memory Power Point of Load DC-DC Converter

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Output Power	Input Voltage	Dimensions (In.)			Price Each		
							L	W	H	1	50	100
826-NXA66-12P3V3C	NXA66-12P3V3C	D	3.3/2.5V	20A	66W	10.8-13.2VDC	2.75	0.59	1.38	52.32	47.87	43.69

he PTHxxxxxY series employs an actively switching synchronous rectifier output to provide state of the art stepdown switching conversion.
he products are small in size and are an ideal choice where space, performance and high efficiency are desired.

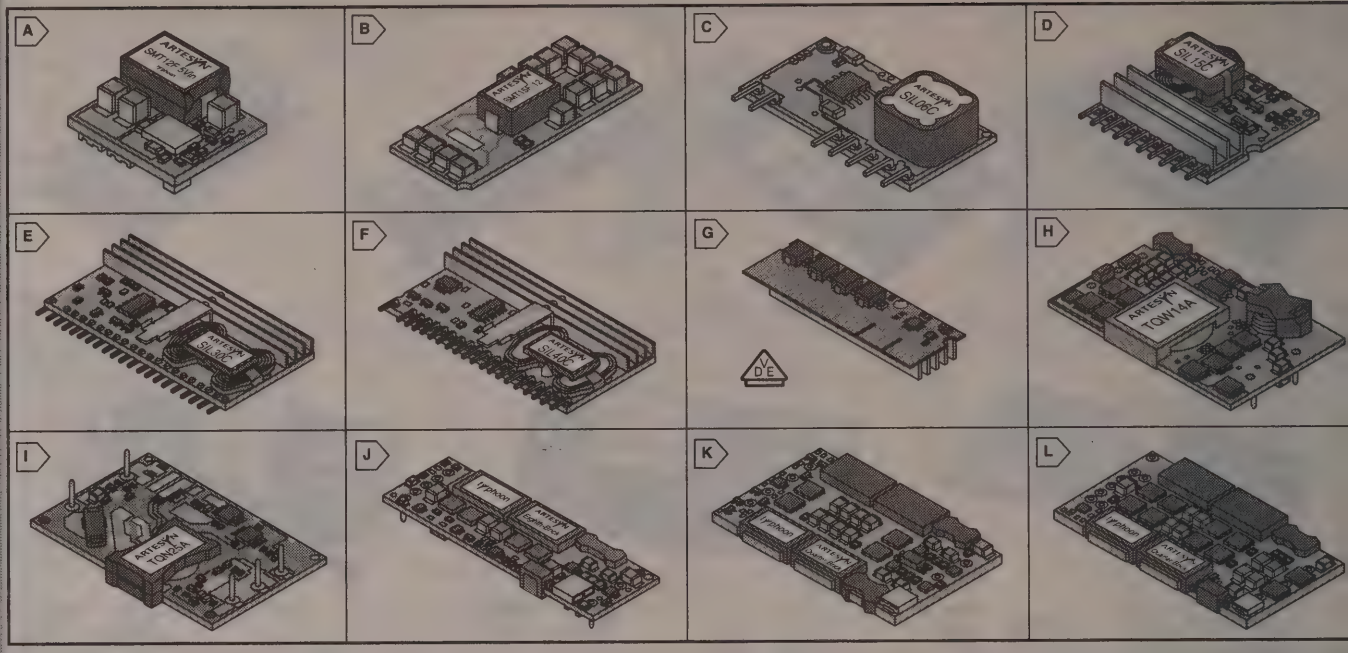
ingle Output DDR/QDR Memory Bus Termination Module

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	VTT Range	Output Current	Output Power	Input Voltage	Dimensions (In.)			Price Each		
							L	W	H	1	50	100
826-PTH03010YAH	PTH03010YAH	E	0.55V-1.8V	±15A	27W	2.95V-3.65V	1.370	.620	0.354	22.00	20.13	18.37
826-PTH05010YAH	PTH05010YAH	E	0.55V-1.8V	±15A	27W	4.5V-5.5V	1.370	0.620	0.354	22.00	20.13	18.37
826-PTH12010YAH	PTH12010YAH	E	0.55V-1.8V	±12A	21.6W	10.8V-13.2V	1.370	0.620	0.354	22.00	20.13	18.37
826-PTH03050YAH	PTH03050YAH	F	0.55V-1.8V	±6A	10.8W	2.95V-3.65V	0.870	0.495	0.335	13.10	11.99	10.94
826-PTH05050YAH	PTH05050YAH	F	0.55V-1.8V	±6A	10.8W	4.5V-5.5V	0.870	0.495	0.335	13.10	11.99	10.94
826-PTH12050YAH	PTH12050YAH	F	0.55V-1.8V	±6A	10.8W	10.8V-13.2V	0.870	0.495	0.335	13.10	11.99	10.94
826-PTH03060YAH	PTH03060YAH	G	0.55V-1.8V	±10A	18W	2.95V-3.65V	0.995	0.620	0.354	18.60	17.02	15.53
826-PTH05060YAH	PTH05060YAH	G	0.55V-1.8V	±10A	18W	4.50V-5.50V	0.995	0.620	0.354	18.60	17.02	15.53
826-PTH12060YAH	PTH12060YAH	G	0.55V-1.8V	±10A	18W	10.8V-13.2V	0.995	0.620	0.354	18.60	17.02	15.53

ARTESYN DC-DC Converters

ARTESYN TECHNOLOGIE



NON-ISOLATED POINT OF LOAD DC-DC CONVERTERS

Artesyn produces an exceptionally wide range of general-purpose non-isolated point-of-load (POL) converters for distributed power applications, as well as a growing number of special-purpose POLs for powering loads such as memories and microprocessors. The VRM is designed to meet the fast transient response requirements of today's microprocessors and fast switching logic.

General-Purpose F Class Point of Load DC-DC Converters

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Input Voltage	Dimensions (In.) L	W	H	Price Each 1	50	100
826-SMT12F-05W3V3	SMT12F-05W3V3	A	0.9-3.3V	12A	3.0-5.5VDC	0.63	0.52	0.31	27.58	25.24	23.0
826-SMT15F-12S1V0	SMT15F-12S1V0	B	1.0V	15A	10.8-13.2VDC	1.30	0.53	0.30	34.48	31.55	28.7
826-SMT15F-12S1V2	SMT15F-12S1V2	B	1.2V	15A	10.8-13.2VDC	1.30	0.53	0.30	34.48	31.55	28.7
826-SMT15F-12S1V5	SMT15F-12S1V5	B	1.5V	15A	10.8-13.2VDC	1.30	0.53	0.30	34.48	31.55	28.7
826-SMT15F-12S1V8	SMT15F-12S1V8	B	1.8V	15A	10.8-13.2VDC	1.30	0.53	0.30	34.48	31.55	28.7

General-Purpose C Class Point of Load DC-DC Converters

For quantities of 200 and up, call for qu

826-SIL06C-05SADJ-V	SIL06C-05SADJ-V	C	0.9-3.3V	6A	4.5-5.5VDC	1.20	0.45	0.61	12.90	11.80	10.7
826-SIL06C-12SADJ-V	SIL06C-12SADJ-V	C	0.9-5.0V	6A	10.2-13.8VDC	1.20	0.45	0.61	12.90	11.80	10.7
826-SIL15C-05SADJ-V	SIL15C-05SADJ-V	D	0.9-3.3V	15A	4.5-5.5VDC	1.20	0.40	1.10	17.60	16.10	14.7
826-SIL15C-12SADJ-V	SIL15C-12SADJ-V	D	0.9-5.0V	15A	10.2-13.8VDC	1.20	0.40	1.10	17.60	16.10	14.7
826-SIL30C-12SADJ-V	SIL30C-12SADJ-V	E	0.9-5.0V	30A	10.2-13.8VDC	2.40	0.50	1.25	27.66	25.31	23.1
826-SIL40C-12SADJ-V	SIL40C-12SADJ-V	F	0.9-5.0V	40A	10.2-13.8VDC	2.40	0.50	1.25	28.94	26.48	24.1

VRM Processor Power Point of Load DC/DC Converters

For quantities of 200 and up, call for qu

826-VRM10-80-12-P	VRM10-80-12-P	G	0.84-1.6V	80A	11.0-12.6VDC	3.19	0.92	1.24	57.30	52.43	47.8
826-VRM10-85-12-U	VRM10-85-12-U	G	0.84-1.6V	85A	11.0-12.6VDC	3.19	0.92	1.24	56.18	51.40	46.9

ISOLATED DC-DC CONVERTERS

Artesyn offers isolated DC/DC converters to meet virtually every common design requirement: standard brick outlines and other common form factors, telecom or industrial input voltages for simple and complex semiconductor devices, designs optimized for economy or power performance, through-hole or surface-mount, enclosed or open-frame.

Intermediate Bus Converters (168-300W)

• Active-low logic

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Output Power	Input Voltage	Dimensions (In.) L	W	H	Price Each 1	50	100
826-TQW14A-48S12-R	TQW14A-48S12-R	H	12V	14A	168W	36-75VDC	2.30	1.46	0.35	98.20	89.85	82.0
826-TQN20A-48S12-R	TQN20A48S12-R	I	12V	20A	240W	43.2-52.8VDC	2.28	1.45	0.43	87.60	80.15	73.1
826-TQN25A-48S12-R	TQN25A48S12-R	I	12V	25A	300W	43.2-52.8VDC	2.28	1.45	0.43	87.60	80.15	73.1

Eighth-Brick Isolated DC-DC Converters (30-100W)

• Remote on/off (negative)

For quantities of 200 and up, call for qu

826-LES50A48-1V2RE	LES50A48-1V2RE	J	1.2V	50A	60W	36-75VDC	2.30	0.90	0.34	104.46	95.58	87.2
826-LES40A48-1V5RE	LES40A48-1V5RE	J	1.5V	40A	60W	36-75VDC	2.30	0.90	0.34	104.46	95.58	87.2
826-LES40A48-1V8RE	LES40A48-1V8RE	J	1.8V	40A	72W	36-75VDC	2.30	0.90	0.34	104.46	95.58	87.2
826-LES25A48-2V5RE	LES25A48-2V5RE	J	2.5V	25A	62.5W	36-75VDC	2.30	0.90	0.34	104.46	95.58	87.2
826-LES25A48-3V3RE	LES25A48-3V3RE	J	3.3V	25A	82.5W	36-75VDC	2.30	0.90	0.34	104.46	95.58	87.2
826-LES15A48-5V0RE	LES15A48-5V0RE	J	5.0V	15A	75W	36-75VDC	2.30	0.90	0.34	90.00	82.35	75.1

Quarter-Brick Isolated DC-DC Converters (36-200W)

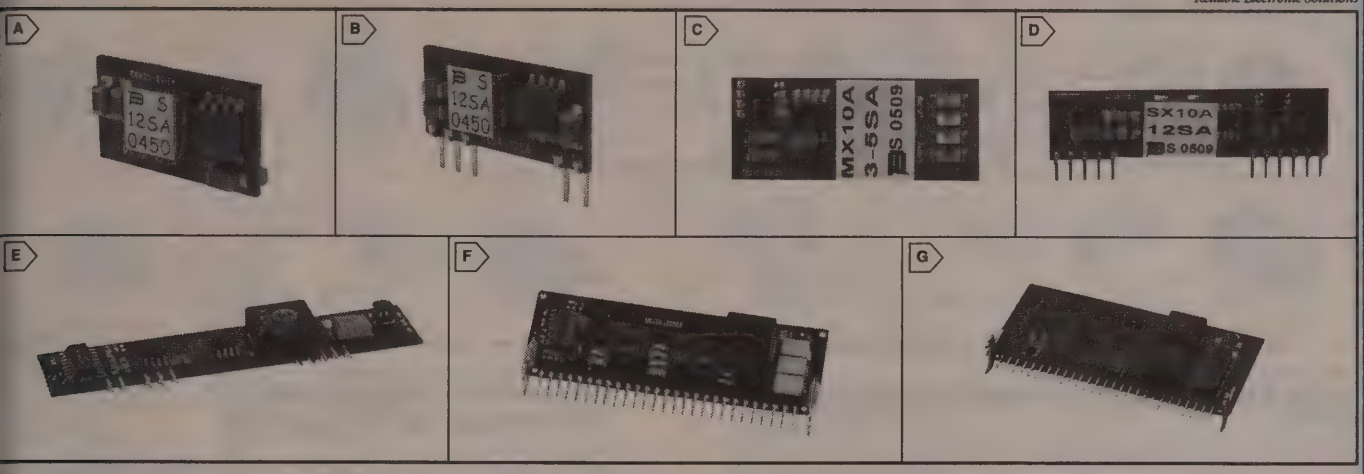
• Remote on/off (negative)

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage 1	Output Voltage 2	Output Current 1	Output Current 2	Output Power	Input Voltage	Dimensions (In.) L	W	H	Price Each 1	50	100
826-L40A48-3V3-1V2RE	LQD40A48-3V3-1V2RE	K	1.2V	3.3V	20A	20A	90W	36-75VDC	2.30	1.45	0.34	174.86	160.00	146.0
826-L40A48-3V3-1V5RE	LQD40A48-3V3-1V5RE	K	1.5V	3.3V	20A	20A	96W	36-75VDC	2.30	1.45	0.34	174.86	160.00	146.0
826-L40A48-3V3-1V8RE	LQD40A48-3V3-1V8RE	K	1.8V	3.3V	20A	20A	102W	36-75VDC	2.30	1.45	0.34	174.86	160.00	146.0
826-L40A48-3V3-2V5RE	LQD40A48-3V3-2V5RE	K	2.5V	3.3V	20A	20A	116W	36-75VDC	2.30	1.45	0.34	174.86	160.00	146.0
826-LQS50A48-1V5RE	LQS50A48-1V5RE	L	1.5V	---	50A	---	75W	36-75VDC	2.30	1.45	0.34	130.50	119.41	108.5
826-LQS50A48-1V8RE	LQS50A48-1V8RE	L	1.8V	---	50A	---	90W	36-75VDC	2.30	1.45	0.34	130.50	119.41	108.5
826-LQS50A48-2V5RE	LQS50A48-2V5RE	L	2.5V	---	50A	---	125W	36-75VDC	2.30	1.45	0.34	130.50	119.41	108.5
826-LQS50A48-3V3RE	LQS50A48-3V3RE	L	3.3V	---	50A	---	165W	36-75VDC	2.30	1.45	0.34	130.50	119.41	108.5
826-LQS80A48-1V5RE	LQS80A48-1V5RE	L	1.5V	---	80A	---	120W	36-75VDC	2.30	1.45	0.34	171.60	157.02	145.5
826-LQS80A48-1V8RE	LQS80A48-1V8RE	L	1.8V	---	80A	---	144W	36-75VDC	2.30	1.45	0.34	171.60	157.02	145.5
826-LQS100A48-1V2RE	LQS100A48-1V2RE	L	1.2V	---	100A	---	120W	36-75VDC	2.30	1.45	0.34	171.60	157.02	145.5

BOURNS SWITCH POWER Non-Isolated DC-DC Converters

BOURNS®
Reliable Electronic Solutions



X & XT SERIES, STANDARD INDUSTRY FORMAT

Designed for use with today' s latest microprocessors, ASICs and DSPs, the X & XT Series range of non-isolated DC-DC converters offer the latest in buck topologies and synchronous rectification. They are ideally suited for use in test equipment, instrumentation, a wide range of Internet working devices such as hub and routers, as well as a broad range of other telecommunication equipment.

Features:

- Industry Standard Packaging
- Efficiencies up to 95%
- Overcurrent and Overtemperature Protection
- Trim Function
- Remote Sense capable (10A & 16A)
- User On/Off
- Temp Range -40°C to +85°C
- Sequencing Option

X Series, 5A Standard Industry Format

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Switch Power Part No.	Fig	Input Voltage	Output Voltage	Output Current	Package	On/Off Logic	Sequencing Pin	Dimensions (In.)			Price Each		
									L	W	H	1	10	25
652-MX5A-3-5SA	MX5A-3-5SA	A	3.0V - 5.5V	0.75V - 3.3V	5A	SMT	Negative	No	0.8	0.450	0.219	11.22	10.10	9.26
652-SX5A-3-5SA	SX5A-3-5SA	B	3.0V - 5.5V	0.75V - 3.3V	5A	SIP	Negative	No	0.9	0.207	0.385	11.22	10.10	9.26
652-MX5A-12SA	MX5A-12SA	A	10.0V - 14.0V	0.75V - 5.5V	5A	SMT	Negative	No	0.8	0.450	0.219	11.22	10.10	9.26
652-SX5A-12SA	SX5A-12SA	B	10.0V - 14.0V	0.75V - 5.5V	5A	SIP	Negative	No	0.9	0.207	0.385	11.22	10.10	9.26

XT Series, 10A Standard Industry Format

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Switch Power Part No.	Fig	Input Voltage	Output Voltage	Output Current	Package	On/Off Logic	Sequencing Pin	Dimensions (In.)			Price Each		
									L	W	H	1	10	25
652-MXT10A-3-5SA	MXT10A-3-5SA	C	2.4V - 5.5V	0.75V - 3.3V	10A	SMT	Negative	Yes	1.3	0.530	0.278	17.30	15.57	14.27

X Series, 16A Standard Industry Format

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Switch Power Part No.	Fig	Input Voltage	Output Voltage	Output Current	Package	On/Off Logic	Sequencing Pin	Dimensions (In.)			Price Each		
									L	W	H	1	10	25
652-MX16A-3-5SA-P	MX16A-3-5SA-P	C	3.0V - 5.5V	0.75V - 3.3V	16A	SMT	Positive	No	1.3	0.530	0.278	19.38	17.44	15.99
652-SX16A-3-5SA	SX16A-3-5SA	D	3.0V - 5.5V	0.75V - 3.3V	16A	SIP	Negative	No	2.0	0.274	0.485	19.38	17.44	15.99
652-MX16A-12SA-P	MX16A-12SA-P	C	10.0V - 14.0V	0.75V - 5.5V	16A	SMT	Positive	No	1.3	0.530	0.278	19.38	17.44	15.99
652-SX16A-12SA-P	SX16A-12SA-P	D	10.0V - 14.0V	0.75V - 5.5V	16A	SIP	Positive	No	2.0	0.274	0.485	19.38	17.44	15.99

DAC PROGRAMMABLE OUTPUT SERIES

This series offers DAC controlled outputs between 1.25V and 3.5V for input voltage of 3.3V and 5.0V. All in a SIP format, these devices are designed for high power microprocessors, ASICS, and DSPs.

Features:

- Programmable Output - 5bit DAC
- 90% Efficiency
- Remote Sense
- Short Circuit Protection with autostart
- Output Precharge Capable
- Operation up to +85°C

SC15A DAC Series, 15A Output SIP

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Switch Power Part No.	Fig	Input Voltage	Output Voltage	Output Current	Package	Ripple (p-p)	Dimensions (In.)			Price Each		
								L	W	H	1	10	25
652-SC15A-3SDAC	SC15A-3SDAC	E	3.3V	1.3V-2.5V	15A	SIP	100mV	3.00	0.37	0.60	34.00	32.60	30.70
652-SC15A-5SDAC	SC15A-5SDAC	E	5.0V	1.3V-3.5V	15A	SIP	100mV	3.00	0.37	0.60	34.00	32.60	30.70

S20A DAC, 20A Output SIP

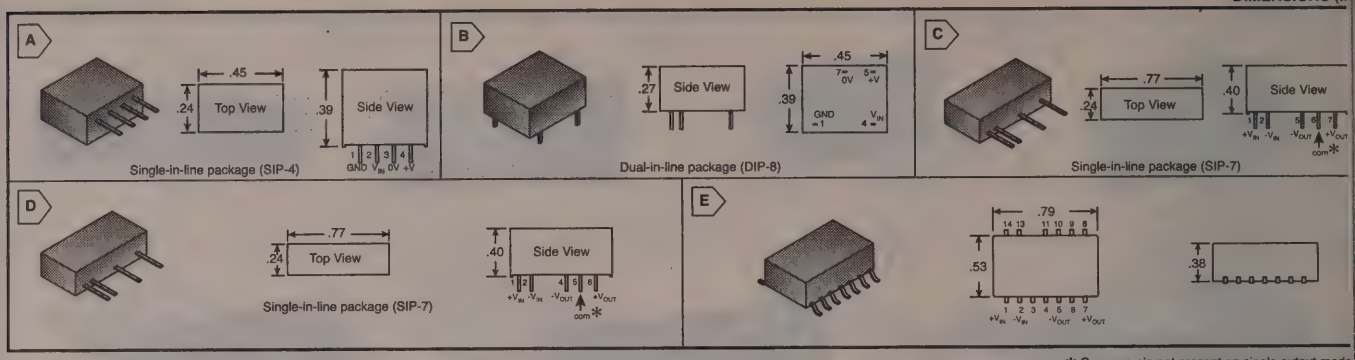
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Switch Power Part No.	Fig	Input Voltage	Output Voltage	Output Current	Package	Ripple (p-p)	Dimensions (In.)			Price Each		
								L	W	H	1	10	25
652-S20A-5SDAC	S20A-5SDAC	F	5.0V	1.25V-3.5V	20A	SIP	100mV	3.03	0.35	0.50	38.87	36.60	35.50

S32A DAC, 32A Output SIP

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Switch Power Part No.	Fig	Input Voltage	Output Voltage	Output Current	Package	Ripple (p-p)	Dimensions (In.)			Price Each		
								L	W	H	1	10	25
652-S32A-5SDAC	S32A-5SDAC	G	5.0V	1.25V-3.5V	32A	SIP	100mV	3.03	0.35	1.42	48.38	46.20	44.90



* Common pin not present on single output mode

LME SERIES, 250MW SINGLE OUTPUT

The LME series of DC-DC converters are optimized for low-power operation. They are ideally suited to generating a negative supply where only a positive rail exists.

- 1kVDC Isolation
- Efficiency to 75%
- SIP & DIP package styles
- No heatsink required
- Single output rail
- Fully encapsulated

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
SIP									
580-LME0305S	LME0305S	A	3.3	5	50	9.65	9.36	8.16	7.81
580-LME0505S	LME0505S	A	5	5	50	9.65	9.36	8.16	7.81
580-LME0512S	LME0512S	A	5	12	21	9.65	9.36	8.16	7.81
580-LME0515S	LME0515S	A	5	15	16	9.65	9.36	8.16	7.81
580-LME1205S	LME1205S	A	12	5	50	9.65	9.36	8.16	7.81
580-LME1212S	LME1212S	A	12	12	21	9.65	9.36	8.16	7.81
580-LME1215S	LME1215S	A	12	15	16	9.65	9.36	8.16	7.81
DIP									
580-LME0505D	LME0505D	B	5	5	50	10.13	9.83	8.56	8.20
580-LME0512D	LME0512D	B	5	12	21	10.13	9.83	8.56	8.20
580-LME0515D	LME0515D	B	5	15	16	10.13	9.83	8.56	8.20
580-LME1205D	LME1205D	B	12	5	50	10.13	9.83	8.56	8.20
580-LME1212D	LME1212D	B	12	12	21	10.13	9.83	8.56	8.20
580-LME1215D	LME1215D	B	12	15	16	10.13	9.83	8.56	8.20

HPR4XX SERIES, 750MW SINGLE AND DUAL OUTPUT

The HPR4XX Series uses advanced circuit design and packaging technology to realize superior reliability and performance. This series provides high isolation in a very small package.

- 3kVDC isolation
- Efficiency to 79%
- Internal input and output filtering
- Non-conductive case
- High output power density: 10W/in³

SIP

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output									
580-HPR400	HPR400	C	5	5	150	12.08	11.72	10.21	9.77
580-HPR401	HPR401	C	5	12	62	12.08	11.72	10.21	9.77
580-HPR402	HPR402	C	5	15	50	12.08	11.72	10.21	9.77
580-HPR406	HPR406	C	12	5	150	12.08	11.72	10.21	9.77
580-HPR407	HPR407	C	12	12	62	12.08	11.72	10.21	9.77
580-HPR408	HPR408	C	12	15	50	12.08	11.72	10.21	9.77
580-HPR412	HPR412	C	15	5	150	12.08	11.72	10.21	9.77
580-HPR413	HPR413	C	15	12	62	12.08	11.72	10.21	9.77
580-HPR414	HPR414	C	15	15	50	12.08	11.72	10.21	9.77
580-HPR418	HPR418	C	24	5	150	12.08	11.72	10.21	9.77
580-HPR419	HPR419	C	24	12	62	12.08	11.72	10.21	9.77
580-HPR420	HPR420	C	24	15	50	12.08	11.72	10.21	9.77
Dual Output									
580-HPR403	HPR403	C	5	±5	±75	17.12	16.61	14.47	13.85
580-HPR404	HPR404	C	5	±12	±30	17.12	16.61	14.47	13.85
580-HPR405	HPR405	C	5	±15	±25	17.12	16.61	14.47	13.85
580-HPR409	HPR409	C	12	±5	±75	17.12	16.61	14.47	13.85
580-HPR410	HPR410	C	12	±12	±30	17.12	16.61	14.47	13.85
580-HPR411	HPR411	C	12	±15	±25	17.12	16.61	14.47	13.85
580-HPR415	HPR415	C	15	±5	±75	17.12	16.61	14.47	13.85
580-HPR416	HPR416	C	15	±12	±30	17.12	16.61	14.47	13.85
580-HPR417	HPR417	C	15	±15	±25	17.12	16.61	14.47	13.85
580-HPR421	HPR421	C	24	±5	±75	17.12	16.61	14.47	13.85
580-HPR422	HPR422	C	24	±12	±30	17.12	16.61	14.47	13.85
580-HPR423	HPR423	C	24	±15	±25	17.12	16.61	14.47	13.85

HPR1XX SERIES, 750MW SINGLE AND DUAL OUTPUT

The HPR1XX series uses advanced circuit design and packaging. Beat-frequency oscillation problems are reduced when using the HPR1XX series with high frequency isolation amplifiers.

- Multiple package styles
- Efficiency to 79%
- Internal input and output filtering
- Non-conductive case
- High output power density: 10W/in³
- 750 VDC isolation

SIP

For quantities of 200 and up, call for quo

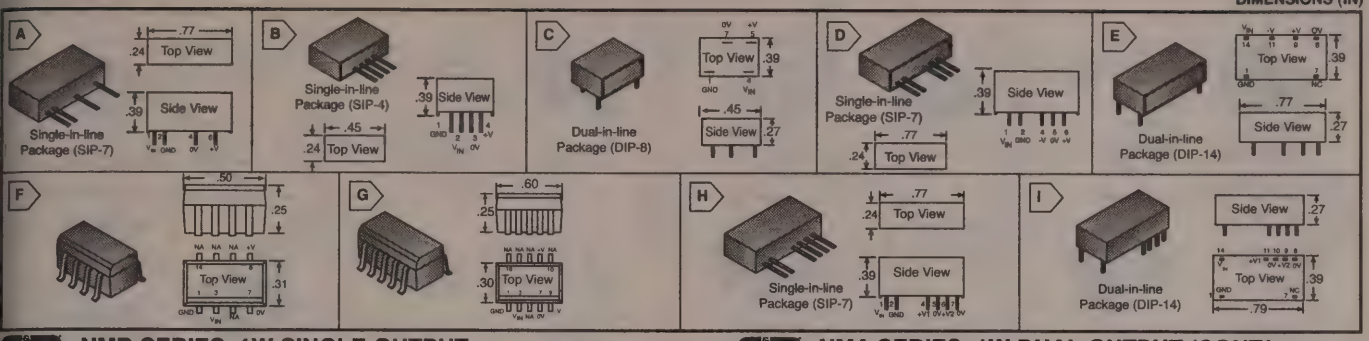
MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output									
580-HPR100	HPR100	D	5	5	150	8.46	8.21	7.15	6.85
580-HPR101	HPR101	D	5	12	62	8.46	8.21	7.15	6.85
580-HPR102	HPR102	D	5	15	50	8.46	8.21	7.15	6.85
580-HPR106	HPR106	D	12	5	150	8.46	8.21	7.15	6.85
580-HPR107	HPR107	D	12	12	62	8.46	8.21	7.15	6.85
580-HPR108	HPR108	D	12	15	50	8.46	8.21	7.15	6.85
580-HPR112	HPR112	D	15	5	150	8.46	8.21	7.15	6.85
580-HPR113	HPR113	D	15	12	62	8.46	8.21	7.15	6.85
580-HPR114	HPR114	D	15	15	50	8.46	8.21	7.15	6.85
580-HPR118	HPR118	D	24	5	150	8.46	8.21	7.15	6.85
580-HPR119	HPR119	D	24	12	62	8.46	8.21	7.15	6.85
580-HPR120	HPR120	D	24	15	50	8.46	8.21	7.15	6.85
Dual Output									
580-HPR103	HPR103	D	5	±5	75	11.00	10.67	9.30	8.90
580-HPR104	HPR104	D	5	±12	30	11.00	10.67	9.30	8.90
580-HPR105	HPR105	D	5	±15	25	11.00	10.67	9.30	8.90
580-HPR109	HPR109	D	12	±5	75	11.00	10.67	9.30	8.90
580-HPR110	HPR110	D	12	±12	30	11.00	10.67	9.30	8.90
580-HPR111	HPR111	D	12	±15	25	11.00	10.67	9.30	8.90
580-HPR115	HPR115	D	15	±5	75	11.00	10.67	9.30	8.90
580-HPR116	HPR116	D	15	±12	30	11.00	10.67	9.30	8.90
580-HPR117	HPR117	D	15	±15	25	11.00	10.67	9.30	8.90
580-HPR121	HPR121	D	24	±5	75	11.00	10.67	9.30	8.90
580-HPR122	HPR122	D	24	±12	30	11.00	10.67	9.30	8.90
580-HPR123	HPR123	D	24	±15	25	11.00	10.67	9.30	8.90

Surface Mount

For quantities of 200 and up, call for quo

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output									
580-HPR100W	HPR100W	E	5	5	150	8.46	8.21	7.15	6.85
580-HPR101W	HPR101W	E	5	12	62	8.46	8.21	7.15	6.85
580-HPR102W	HPR102W	E	5	15	50	8.46	8.21	7.15	6.85
580-HPR106W	HPR106W	E	12	5	150	8.46	8.21	7.15	6.85
580-HPR107W	HPR107W	E	12	12	62	8.46	8.21	7.15	6.85
580-HPR108W	HPR108W	E	12	15	50	8.46	8.21	7.15	6.85
580-HPR112W	HPR112W	E	15	5	150	8.46	8.21	7.15	6.85
580-HPR113W	HPR113W	E	15	12	62	8.46	8.21	7.15	6.85
580-HPR114W	HPR114W	E	15	15	50	8.46	8.21	7.15	6.85
580-HPR118W	HPR118W	E	24	5	150	8.46	8.21	7.15	6.85
580-HPR119W	HPR119W	E	24	12	62	8.46	8.21	7.15	6.85
580-HPR120W	HPR120W	E	24	15	50	8.46	8.21	7.15	6.85
Dual Output									
580-HPR103W	HPR103W	E	5	±5	75	11.00	10.67	9.30	8.90
580-HPR104W	HPR104W	E	5	±12	30	11.00	10.67	9.30	8.90
580-HPR105W	HPR105W	E	5	±15	25	11.00	10.67	9.30	8.90
580-HPR109W	HPR109W	E	12	±5	75	11.00	10.67	9.30	8.90
580-HPR110W	HPR110W	E	12	±12	30	11.00	10.67	9.30	8.90
580-HPR111W	HPR111W	E	12	±15	25	11.00	10.67	9.30	8.90
580-HPR115W	HPR115W	E	15	±5	75	11.00	10.67	9.30	8.90
580-HPR116W	HPR116W	E	15	±12	30	11.00	10.67	9.30	8.90
580-HPR117W	HPR117W	E	15	±15	25	11.00	10.67	9.30	8.90
580-HPR121W	HPR121W	E	24	±5	75	11.00	10.67	9.30	8.90
580-HPR122W	HPR122W	E	24	±12	30	11.00	10.67	9.30	8.90
580-HPR123W	HPR123W	E	24	±15	25	11.00	10.67	9.30	8.90

DIMENSIONS (IN)



NMR SERIES, 1W SINGLE OUTPUT

The NMR series of industrial temperature range DC-DC converters are the standard building blocks for on-board distributed power systems. They are ideally suited for providing single rail supplies on primarily digital boards with the added benefit of galvanic isolation to reduce switching noise

- 1kVDC isolation
- Efficiency to 79%
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics
- Fully encapsulated

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
580-NMR100	NMR100	A	5	5	200	8.78	8.51	7.42	7.10
580-NMR101	NMR101	A	5	12	83	8.78	8.51	7.42	7.10
580-NMR102	NMR102	A	5	15	67	8.78	8.51	7.42	7.10
580-NMR106	NMR106	A	12	5	200	8.78	8.51	7.42	7.10
580-NMR107	NMR107	A	12	12	83	8.78	8.51	7.42	7.10
580-NMR108	NMR108	A	12	15	67	8.78	8.51	7.42	7.10

NME SERIES, 1W SINGLE OUTPUT

This series is particularly suited to isolating and/or converting DC power rails.

- 1KVDC isolation
- Efficiency to 75%
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics
- Fully encapsulated

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
SIP									
580-NME0505S	NME0505S	B	5	5	200	8.78	8.51	7.42	7.10
580-NME0512S	NME0512S	B	5	12	83	8.78	8.51	7.42	7.10
580-NME0515S	NME0515S	B	5	15	66	8.78	8.51	7.42	7.10
580-NME0524S	NME0524S	B	5	24	42	10.10	9.80	8.53	8.17
580-NME1205S	NME1205S	B	12	5	200	8.78	8.51	7.42	7.10
580-NME1212S	NME1212S	B	12	12	83	8.78	8.51	7.42	7.10
580-NME1215S	NME1215S	B	12	15	66	8.78	8.51	7.42	7.10
580-NME2405S	NME2405S	B	24	5	200	10.10	9.80	8.53	8.17
580-NME2412S	NME2412S	B	24	12	83	10.10	9.80	8.53	8.17
580-NME2415S	NME2415S	B	24	15	66	10.10	9.80	8.53	8.17
580-NME4805S	NME4805S	B	48	5	200	10.10	9.80	8.53	8.17
580-NME4812S	NME4812S	B	48	12	83	10.10	9.80	8.53	8.17
580-NME4815S	NME4815S	B	48	15	66	10.10	9.80	8.53	8.17
DIP									
580-NME0505D	NME0505D	C	5	5	200	9.22	8.94	7.79	7.46
580-NME0512D	NME0512D	C	5	12	83	9.22	8.94	7.79	7.46
580-NME0515D	NME0515D	C	5	15	66	9.22	8.94	7.79	7.46
580-NME0524D	NME0524D	C	5	24	42	10.59	10.28	8.94	8.56
580-NME1205D	NME1205D	C	12	5	200	9.22	8.94	7.79	7.46
580-NME1212D	NME1212D	C	12	12	83	9.22	8.94	7.79	7.46
580-NME1215D	NME1215D	C	12	15	66	9.22	8.94	7.79	7.46
580-NME2405D	NME2405D	C	24	5	200	10.59	10.28	8.94	8.56
580-NME2412D	NME2412D	C	24	12	83	10.59	10.28	8.94	8.56
580-NME2415D	NME2415D	C	24	15	66	10.59	10.28	8.94	8.56
580-NME4805D	NME4805D	C	48	5	200	10.59	10.28	8.94	8.56
580-NME4812D	NME4812D	C	48	12	83	10.59	10.28	8.94	8.56
580-NME4815D	NME4815D	C	48	15	66	10.59	10.28	8.94	8.56

NMA SERIES, 1W DUAL OUTPUT

ideally suited to providing dual rail supplies on primarily digital boards with the added benefit of galvanic isolation to reduce switching noise.

- 1KVDC isolation
- Efficiency to 80%
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics
- Fully encapsulated

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
SIP									
580-NMA0505S	NMA0505S	D	5	±5	100	8.78	8.51	7.42	7.10
580-NMA0512S	NMA0512S	D	5	±12	42	8.78	8.51	7.42	7.10
580-NMA0515S	NMA0515S	D	5	±15	34	8.78	8.51	7.42	7.10
580-NMA1205S	NMA1205S	D	12	±5	100	8.78	8.51	7.42	7.10
580-NMA1212S	NMA1212S	D	12	±12	42	8.78	8.51	7.42	7.10
580-NMA1215S	NMA1215S	D	12	±15	34	8.78	8.51	7.42	7.10
580-NMA2405S	NMA2405S	D	24	±5	100	10.10	9.80	8.53	8.17
580-NMA2412S	NMA2412S	D	24	±12	42	10.10	9.80	8.53	8.17
580-NMA2415S	NMA2415S	D	24	±15	34	10.10	9.80	8.53	8.17
580-NMA4805S	NMA4805S	D	48	±5	100	10.10	9.80	8.53	8.17
580-NMA4812S	NMA4812S	D	48	±12	42	10.10	9.80	8.53	8.17
580-NMA4815S	NMA4815S	D	48	±15	34	10.10	9.80	8.53	8.17

NMA SERIES, 1W DUAL OUTPUT (CONT.)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
DIP									
580-NMA0505D	NMA0505D	E	5	±5	100	9.22	8.94	7.79	7.46
580-NMA0512D	NMA0512D	E	5	±12	42	9.22	8.94	7.79	7.46
580-NMA0515D	NMA0515D	E	5	±15	34	9.22	8.94	7.79	7.46
580-NMA1205D	NMA1205D	E	12	±12	100	9.22	8.94	7.79	7.46
580-NMA1212D	NMA1212D	E	12	±12	42	9.22	8.94	7.79	7.46
580-NMA1215D	NMA1215D	E	12	±15	34	9.22	8.94	7.79	7.46
580-NMA2405D	NMA2405D	E	24	±5	100	10.60	10.28	8.96	8.57
580-NMA2412D	NMA2412D	E	24	±12	42	10.60	10.28	8.96	8.57
580-NMA2415D	NMA2415D	E	24	±15	34	10.60	10.28	8.96	8.57
580-NMA4805D	NMA4805D	E	48	±5	100	10.60	10.28	8.96	8.57
580-NMA4812D	NMA4812D	E	48	±12	42	10.60	10.28	8.96	8.57
580-NMA4815D	NMA4815D	E	48	±15	34	10.60	10.28	8.96	8.57

NTE SERIES, SMT 1W SINGLE OUTPUT

This series of miniature surface mounted DC-DC Converters employ leadframe technology and transfer moulding techniques to bring all of the benefits of IC style packaging to hybrid circuitry.

- 1KVDC isolation
- Efficiency to 78%
- Surface Mount
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics
- Fully encapsulated

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
580-NTE0303M	NTE0303M	F	3.3	3.3	303	8.78	8.51	7.42	7.10
580-NTE0305M	NTE0305M	F	3.3	5	200	8.78	8.51	7.42	7.10
580-NTE0503M	NTE0503M	F	5	3.3	303	8.78	8.51	7.42	7.10
580-NTE0505M	NTE0505M	F	5	5	200	8.78	8.51	7.42	7.10
580-NTE0512M	NTE0512M	F	5	12	83	8.78	8.51	7.42	7.10
580-NTE0515M	NTE0515M	F	5	15	66	8.78	8.51	7.42	7.10
580-NTE1205M	NTE1205M	F	12	5	200	8.78	8.51	7.42	7.10
580-NTE1212M	NTE1212M	F	12	12	83	8.78	8.51	7.42	7.10
580-NTE1215M	NTE1215M	F	12	15	66	8.78	8.51	7.42	7.10

NTA SERIES, SMT 1W DUAL OUTPUT

The NTA series of miniature surface mounted DC-DC Converters employ leadframe technology and transfer moulding techniques to bring all of the benefits of IC style packaging to hybrid circuitry.

- 1KVDC isolation
- Efficiency to 78%
- Surface Mount
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics
- Fully encapsulated

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
580-NTA0312M	NTA0312M	G	3.3	±12	42	8.78	8.51	7.42	7.10
580-NTA0315M	NTA0315M	G	3.3	±15	33	8.78	8.51	7.42	7.10
580-NTA0505M	NTA0505M	G	5	±5	100	8.78	8.51	7.42	7.10
580-NTA0512M	NTA0512M	G	5	±12	42	8.78	8.51	7.42	7.10
580-NTA0515M	NTA0515M	G	5	±15	33	8.78	8.51	7.42	7.10
580-NTA1205M	NTA1205M	G	12	±5	100	8.78	8.51	7.42	7.10
580-NTA1212M	NTA1212M	G	12	±12	42	8.78	8.51	7.42	7.10
580-NTA1215M	NTA1215M	G	12	±15	33	8.78	8.51	7.42	7.10

NMD SERIES ISOLATED 1W TWIN OUTPUT

The NMD series of DC-DC converters are ideally suited to applications where potential difference exists between loads. The twin outputs offer cost and space savings by consolidating two DC-DC converters into one package.

- No heatsink required
- Efficiency to 80%
- Input/Output isolation 1kVDC
- Output Voltage 1 5V@100mA
- Output/Output isolation 1kVDC
- Twin independent outputs
- Power sharing on outputs

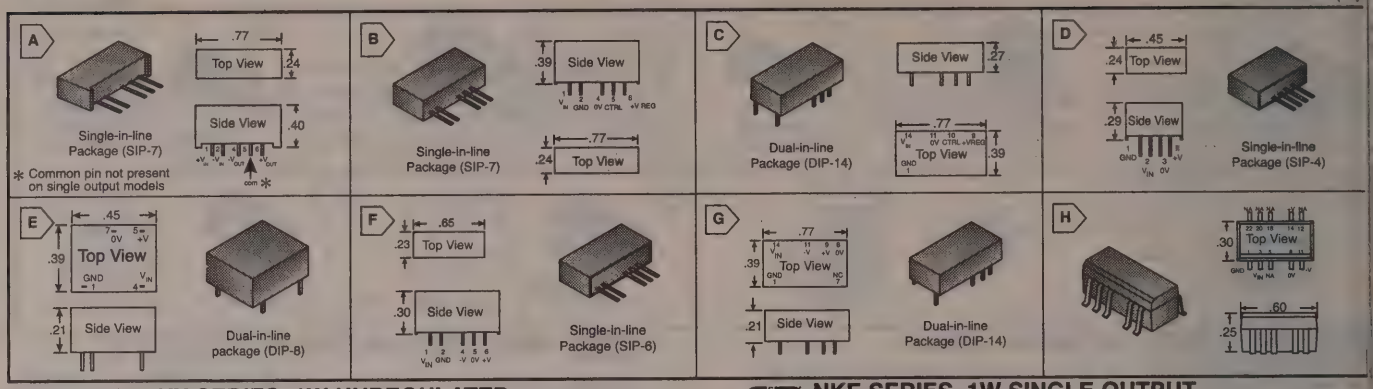
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output 1 V	Output 1 mA	Output 2 V	Output 2 mA	Price Each 1	25	50	100
SIP											
580-NMD050503S	NMD050503S	H	5	5	100	3.3	152	10.53	10.21	8.90	8.52
580-NMD050505S	NMD050505S	H	5	5	100	5	100	10.53	10.21	8.90	8.52
580-NMD050512S	NMD050512S	H	5	5	100	12	42	10.53	10.21	8.90	8.52
580-NMD050515S	NMD050515S	H	5	5	100	15	34	10.53	10.21	8.90	8.52
580-NMD120505S	NMD120505S	H	12	5	100	5	100	10.53	10.21	8.90	8.52
580-NMD120512S	NMD120512S	H	12	5	100	12	42	10.53	10.21	8.90	8.52
580-NMD120515S	NMD120515S	H	12	5	100	15	34	10.53	10.21	8.90	8.52
DIP											
580-NMD050503D	NMD050503D	I	5	5	100	3.3	152	11.06	10.72	9.34	8.94
580-NMD050505D	NMD050505D	I	5	5	100	5	100	11.06	10.72	9.34	8.94
580-NMD050512D	NMD050512D	I	5	5	100	12	42	11.06	10.72	9.34	8.94
580-NMD050515D	NMD050515D	I	5	5	100	15	34	11.06	10.72	9.34	8.94
580-NMD120505D	NMD120505D	I	12	5	100	5	100	11.06	10.72	9.34	8.94
580-NMD120512D	NMD120512D	I	12	5	100	12	42	11.06	10.72	9.34	8.94
580-NMD120515D	NMD120515D	I	15	5	100	15	34	11.06	10.72	9.34	8.94

C&D TECHNOLOGIES DC-DC Converters

C&D TECHNOLOGIES

DIMENSIONS (IN)



HPR10XX SERIES, 1W UNREGULATED SINGLE AND DUAL OUTPUT

The high efficiency of this series means less internal power dissipation, as low as 190mW. High efficiency allows this series to offer greater than 13W/in³ of output power density.

- Internal input and output filtering
- Non-conductive case
- Extended temperature range: -25°C to +65°C
- High efficiency: to 72% typical

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output									
580-HPR1000	HPR1000	A	5	5	200	9.31	9.03	7.87	7.53
580-HPR1001	HPR1001	A	5	12	83	9.31	9.03	7.87	7.53
580-HPR1002	HPR1002	A	5	15	67	9.31	9.03	7.87	7.53
580-HPR1006	HPR1006	A	12	5	200	9.31	9.03	7.87	7.53
580-HPR1007	HPR1007	A	12	12	83	9.31	9.03	7.87	7.53
580-HPR1008	HPR1008	A	12	15	67	9.31	9.03	7.87	7.53
580-HPR1012	HPR1012	A	15	5	200	9.31	9.03	7.87	7.53
580-HPR1013	HPR1013	A	15	12	83	9.31	9.03	7.87	7.53
580-HPR1014	HPR1014	A	15	15	67	9.31	9.03	7.87	7.53
580-HPR1018	HPR1018	A	24	5	200	9.31	9.03	7.87	7.53
580-HPR1019	HPR1019	A	24	12	83	9.31	9.03	7.87	7.53
580-HPR1020	HPR1020	A	24	15	67	9.31	9.03	7.87	7.53
Dual Output									
580-HPR1003	HPR1003	A	5	±5	100	11.42	11.08	9.65	9.24
580-HPR1004	HPR1004	A	5	±12	42	11.42	11.08	9.65	9.24
580-HPR1005	HPR1005	A	5	±15	34	11.42	11.08	9.65	9.24
580-HPR1009	HPR1009	A	12	±5	100	11.42	11.08	9.65	9.24
580-HPR1010	HPR1010	A	12	±12	42	11.42	11.08	9.65	9.24
580-HPR1011	HPR1011	A	12	±15	34	11.42	11.08	9.65	9.24
580-HPR1016	HPR1016	A	15	±12	42	11.42	11.08	9.65	9.24
580-HPR1017	HPR1017	A	15	±15	34	11.42	11.08	9.65	9.24
580-HPR1021	HPR1021	A	24	±5	100	11.42	11.08	9.65	9.24
580-HPR1022	HPR1022	A	24	±12	42	11.42	11.08	9.65	9.24
580-HPR1023	HPR1023	A	24	±15	34	11.42	11.08	9.65	9.24

NMF SERIES, ISOLATED 1W REGULATED SINGLE OUTPUT

The NMF series of DC-DC converters is used where a tightly regulated supply is required. They are ideal for situations where the input voltage is not tightly controlled.

- 1kVDC isolation
- Efficiency to 62%
- No heatsink required
- SIP & DIP package styles
- Fully encapsulated
- Single isolated output

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
SIP									
580-NMF0505S	NMF0505S	B	5	5	100	10.97	10.64	9.27	8.88
580-NMF0512S	NMF0512S	B	5	12	83	10.97	10.64	9.27	8.88
580-NMF0515S	NMF0515S	B	5	15	67	10.97	10.64	9.27	8.88
580-NMF1205S	NMF1205S	B	12	5	100	10.97	10.64	9.27	8.88
580-NMF1212S	NMF1212S	B	12	12	83	10.97	10.64	9.27	8.88
580-NMF1215S	NMF1215S	B	12	15	67	10.97	10.64	9.27	8.88
580-NMF2405S	NMF2405S	B	24	5	100	12.62	12.24	10.67	10.21
580-NMF2412S	NMF2412S	B	24	12	83	12.62	12.24	10.67	10.21
580-NMF2415S	NMF2415S	B	24	15	67	12.62	12.24	10.67	10.21
580-NMF4805S	NMF4805S	B	48	5	100	12.62	12.24	10.67	10.21
580-NMF4812S	NMF4812S	B	48	12	83	12.62	12.24	10.67	10.21
580-NMF4815S	NMF4815S	B	48	15	67	12.62	12.24	10.67	10.21
DIP									
580-NMF0505D	NMF0505D	C	5	5	100	11.52	11.17	9.73	9.32
580-NMF0512D	NMF0512D	C	5	12	83	11.52	11.17	9.73	9.32
580-NMF0515D	NMF0515D	C	5	15	67	11.52	11.17	9.73	9.32
580-NMF1205D	NMF1205D	C	12	5	100	11.52	11.17	9.73	9.32
580-NMF1212D	NMF1212D	C	12	12	83	11.52	11.17	9.73	9.32
580-NMF1215D	NMF1215D	C	12	15	67	11.52	11.17	9.73	9.32
580-NMF2405D	NMF2405D	C	24	5	100	13.25	12.85	11.20	10.72
580-NMF2412D	NMF2412D	C	24	12	83	13.25	12.85	11.20	10.72
580-NMF2415D	NMF2415D	C	24	15	67	13.25	12.85	11.20	10.72
580-NMF4805D	NMF4805D	C	48	5	100	13.25	12.85	11.20	10.72
580-NMF4812D	NMF4812D	C	48	12	83	13.25	12.85	11.20	10.72
580-NMF4815D	NMF4815D	C	48	15	67	13.25	12.85	11.20	10.72

NKE SERIES, 1W SINGLE OUTPUT

This series is particularly suited to isolating and/or converting DC power rails.

- 3kVDC isolation
- Efficiency to 80%
- UL 94V-0 package material
- No electrolytic or tantalum capacitors
- No heatsink required
- Fully encapsulated with toroidal magnetics

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
SIP									
580-NKE0303S	NKE0303S	D	3.3	3.3	303	8.33	8.09	7.05	6.75
580-NKE0305S	NKE0305S	D	3.3	5	200	8.33	8.09	7.05	6.75
580-NKE0503S	NKE0503S	D	5	3.3	303	8.33	8.09	7.05	6.75
580-NKE0505S	NKE0505S	D	5	5	200	8.33	8.09	7.05	6.75
580-NKE0509S	NKE0509S	D	5	9	111	8.33	8.09	7.05	6.75
580-NKE0512S	NKE0512S	D	5	12	83	8.33	8.09	7.05	6.75
580-NKE0515S	NKE0515S	D	5	15	66	8.33	8.09	7.05	6.75
580-NKE1205S	NKE1205S	D	12	5	200	8.33	8.09	7.05	6.75
580-NKE1209S	NKE1209S	D	12	9	111	8.33	8.09	7.05	6.75
580-NKE1212S	NKE1212S	D	12	12	83	8.33	8.09	7.05	6.75
580-NKE1215S	NKE1215S	D	12	15	66	8.33	8.09	7.05	6.75
DIP									
580-NKE0303D	NKE0303D	E	3.3	3.3	303	8.78	8.51	7.43	7.10
580-NKE0305D	NKE0305D	E	3.3	5	200	8.78	8.51	7.43	7.10
580-NKE0503D	NKE0503D	E	5	3.3	303	8.78	8.51	7.43	7.10
580-NKE0505D	NKE0505D	E	5	5	200	8.78	8.51	7.43	7.10
580-NKE0509D	NKE0509D	E	5	9	111	8.78	8.51	7.43	7.10
580-NKE0512D	NKE0512D	E	5	12	83	8.78	8.51	7.43	7.10
580-NKE0515D	NKE0515D	E	5	15	66	8.78	8.51	7.43	7.10
580-NKE1205D	NKE1205D	E	12	5	200	8.78	8.51	7.43	7.10
580-NKE1209D	NKE1209D	E	12	9	111	8.78	8.51	7.43	7.10
580-NKE1212D	NKE1212D	E	12	12	83	8.78	8.51	7.43	7.10
580-NKE1215D	NKE1215D	E	12	15	66	8.78	8.51	7.43	7.10

NKA SERIES, 1W DUAL OUTPUT

This series is the standard building blocks for on-board distributed power systems.

- 3kVDC isolation
- Efficiency to 82%
- UL 94V-0 package material
- No heatsink required
- Fully encapsulated with toroidal magnetics
- No electrolytic or tantalum capacitors

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
SIP									
580-NKA0303S	NKA0303S	F	3.3	±3.3	163	8.33	8.09	7.05	6.75
580-NKA0305S	NKA0305S	F	3.3	±5	100	8.33	8.09	7.05	6.75
580-NKA0312S	NKA0312S	F	3.3	±12	42	8.33	8.09	7.05	6.75
580-NKA0315S	NKA0315S	F	3.3	±5	33	8.33	8.09	7.05	6.75
580-NKA0503S	NKA0503S	F	5	±3.3	163	8.33	8.09	7.05	6.75
580-NKA0505S	NKA0505S	F	5	±5	100	8.33	8.09	7.05	6.75
580-NKA0509S	NKA0509S	F	5	±9	55	8.33	8.09	7.05	6.75
580-NKA0512S	NKA0512S	F	5	±12	42	8.33	8.09	7.05	6.75
580-NKA0515S	NKA0515S	F	5	±5	33	8.33	8.09	7.05	6.75
580-NKA1205S	NKA1205S	F	12	±5	100	8.33	8.09	7.05	6.75
580-NKA1209S	NKA1209S	F	12	±9	55	8.33	8.09	7.05	6.75
580-NKA1212S	NKA1212S	F	12	±12	42	8.33	8.09	7.05	6.75
580-NKA1215S	NKA1215S	F	12	±5	33	8.33	8.09	7.05	6.75
DIP									
580-NKA0303D	NKA0303D	G	3.3	±3.3	163	8.78	8.51	7.43	7.10
580-NKA0305D	NKA0305D	G	3.3	±5	100	8.78	8.51	7.43	7.10
580-NKA0312D	NKA0312D	G	3.3	±12	42	8.78	8.51	7.43	7.10
580-NKA0315D	NKA0315D	G	3.3	±5	33	8.78	8.51	7.43	7.10
580-NKA0503D	NKA0503D	G	5	±3.3	163	8.78	8.51	7.43	7.10
580-NKA0505D	NKA0505D	G	5	±5	100	8.78	8.51	7.43	7.10
580-NKA0509D	NKA0509D	G	5	±9	55	8.78	8.51	7.43	7.10
580-NKA0512D	NKA0512D	G	5	±12	42	8.78	8.51	7.43	7.10
580-NKA0515D	NKA0515D	G	5	±5	33	8.78	8.51	7.43	7.10
580-NKA1205D	NKA1205D	G	12	±5	100	8.78	8.51	7.43	7.10
580-NKA1209D	NKA1209D	G	12	±9	55	8.78	8.51	7.43	7.10
580-NKA1212D	NKA1212D	G	12	±12	42	8.78	8.51	7.43	7.10
580-NKA1215D	NKA1215D	G	12	±5	33	8.78	8.51	7.43	7.10

NTV SERIES, 1W DUAL OUTPUT

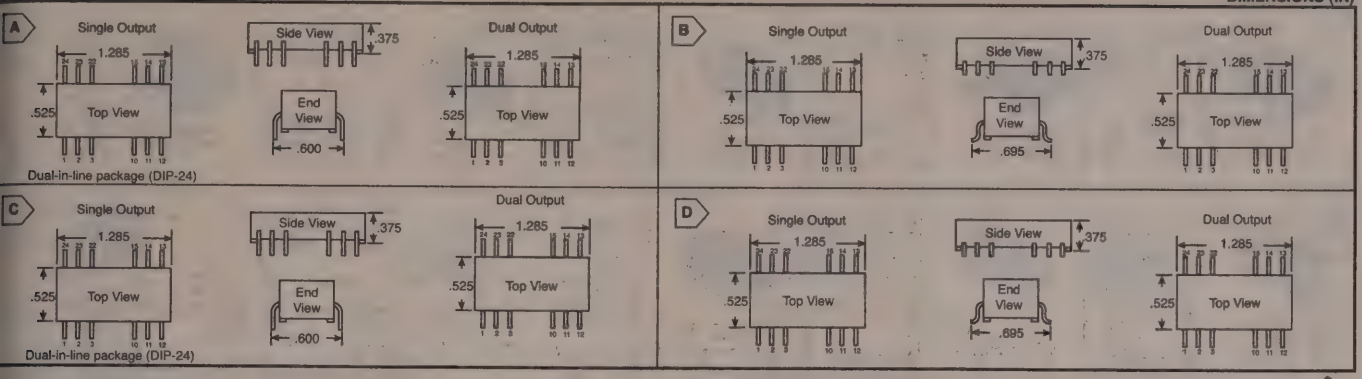
This series employs lead frame technology and transfer moulding techniques to bring all of the benefits of IC style packaging to hybrid circuitry.

- 3kVDC isolation (1min.)
- Dual isolated output
- Efficiency to 82%
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics
- Plastic encapsulated

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
580-NTV0505M	NTV0505M	H	5	±5	100	10.97	10.64	9.27	8.88
580-NTV0509M	NTV0509M	H	5	±9	55	10.97	10.64	9.27	8.88
580-NTV0512M	NTV0512M	H	5	±12	42	10.97	10.64	9.27	8.88
580-NTV0515M	NTV0515M	H	5	±15	33	10.97	10.64	9.27	8.88
580-NTV1205M	NTV1205M	H	12	±5	100	10.97	10.64	9.27	8.88
580-NTV1209M	NTV1209M	H	12	±9	55	10.97	10.64	9.27	8.88
580-NTV1212M	NTV1212M	H	12	±12	42	10.97	10.64	9.27	8.88
580-NTV1215M	NTV1215M	H	12	±15	33	10.97	10.64	9.27	8.88

DIMENSIONS (IN)



HB01U SERIES
1W UNREGULATED
SINGLE AND DUAL OUTPUT

he HB01U Series is ideal for applications where the output is susceptible to gh voltage transients such as motor drive and industrial process control pplications.

- 2500Vrms isolation test voltage
- Low leakage current - 2mA max
- Internal filtering
- Low barrier capacitance - 10pF
- 24-pin DIP and SMD packages
- Non-conductive case

Pin Connections		
Pin#	Singles	Duals
1	+VOUT	+VOUT
2	-VOUT	Common
3	NU	-VOUT
10	-VIN	-VIN
11	NC	NC
12	+VIN	+VIN
13	+VIN	+VIN
14	NC	NC
15	-VIN	-VIN
21	NC	NC
22	NU	-VOUT
23	-VOUT	Common
24	+VOUT	+VOUT

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
ingle Output DIP Package									
80-HB01U05S05Y	HB01U05S05Y	A	5	5	200	10.05	9.75	8.49	8.13
80-HB01U05S12Y	HB01U05S12Y	A	5	12	83	10.05	9.75	8.49	8.13
80-HB01U05S15Y	HB01U05S15Y	A	5	15	67	10.05	9.75	8.49	8.13
80-HB01U12S05Y	HB01U12S05Y	A	12	5	200	10.05	9.75	8.49	8.13
80-HB01U12S12Y	HB01U12S12Y	A	12	12	83	10.05	9.75	8.49	8.13
80-HB01U12S15Y	HB01U12S15Y	A	12	15	67	10.05	9.75	8.49	8.13
80-HB01U15S05Y	HB01U15S05Y	A	15	5	200	10.05	9.75	8.49	8.13
80-HB01U15S12Y	HB01U15S12Y	A	15	12	83	10.05	9.75	8.49	8.13
80-HB01U15S15Y	HB01U15S15Y	A	15	15	67	10.05	9.75	8.49	8.13
80-HB01U24S05Y	HB01U24S05Y	A	24	5	200	10.05	9.75	8.49	8.13
80-HB01U24S12Y	HB01U24S12Y	A	24	12	83	10.05	9.75	8.49	8.13
80-HB01U24S15Y	HB01U24S15Y	A	24	15	67	10.05	9.75	8.49	8.13
ual Output DIP Package									
80-HB01U05D05Y	HB01U05D05Y	A	5	±5	100	11.91	11.55	10.07	9.64
80-HB01U05D12Y	HB01U05D12Y	A	5	±12	42	11.91	11.55	10.07	9.64
80-HB01U05D15Y	HB01U05D15Y	A	5	±15	34	11.91	11.55	10.07	9.64
80-HB01U12D05Y	HB01U12D05Y	A	12	±5	100	11.91	11.55	10.07	9.64
80-HB01U12D12Y	HB01U12D12Y	A	12	±12	42	11.91	11.55	10.07	9.64
80-HB01U12D15Y	HB01U12D15Y	A	12	±15	34	11.91	11.55	10.07	9.64
80-HB01U15D05Y	HB01U15D05Y	A	15	±5	100	11.91	11.55	10.07	9.64
80-HB01U15D12Y	HB01U15D12Y	A	15	±12	42	11.91	11.55	10.07	9.64
80-HB01U15D15Y	HB01U15D15Y	A	15	±15	34	11.91	11.55	10.07	9.64
80-HB01U24D05Y	HB01U24D05Y	A	24	±5	100	11.91	11.55	10.07	9.64
80-HB01U24D12Y	HB01U24D12Y	A	24	±12	42	11.91	11.55	10.07	9.64
80-HB01U24D15Y	HB01U24D15Y	A	24	±15	34	11.91	11.55	10.07	9.64
ingle Output SMD Package									
80-HB01U05S05Z	HB01U05S05Z	B	5	5	200	10.05	9.75	8.49	8.13
80-HB01U05S12Z	HB01U05S12Z	B	5	12	83	10.05	9.75	8.49	8.13
80-HB01U05S15Z	HB01U05S15Z	B	5	15	67	10.05	9.75	8.49	8.13
80-HB01U12S05Z	HB01U12S05Z	B	12	5	200	10.05	9.75	8.49	8.13
80-HB01U12S12Z	HB01U12S12Z	B	12	12	83	10.05	9.75	8.49	8.13
80-HB01U12S15Z	HB01U12S15Z	B	12	15	67	10.05	9.75	8.49	8.13
80-HB01U15S05Z	HB01U15S05Z	B	15	5	200	10.05	9.75	8.49	8.13
80-HB01U15S12Z	HB01U15S12Z	B	15	12	83	10.05	9.75	8.49	8.13
80-HB01U15S15Z	HB01U15S15Z	B	15	15	67	10.05	9.75	8.49	8.13
80-HB01U24S05Z	HB01U24S05Z	B	24	5	200	10.05	9.75	8.49	8.13
80-HB01U24S12Z	HB01U24S12Z	B	24	12	83	10.05	9.75	8.49	8.13
80-HB01U24S15Z	HB01U24S15Z	B	24	15	67	10.05	9.75	8.49	8.13
ual Output SMD Package									
80-HB01U05D05Z	HB01U05D05Z	B	5	±5	100	11.91	11.55	10.07	9.64
80-HB01U05D12Z	HB01U05D12Z	B	5	±12	42	11.91	11.55	10.07	9.64
80-HB01U05D15Z	HB01U05D15Z	B	5	±15	34	11.91	11.55	10.07	9.64
80-HB01U12D05Z	HB01U12D05Z	B	12	±5	100	11.91	11.55	10.07	9.64
80-HB01U12D12Z	HB01U12D12Z	B	12	±12	42	11.91	11.55	10.07	9.64
80-HB01U12D15Z	HB01U12D15Z	B	12	±15	34	11.91	11.55	10.07	9.64
80-HB01U15D05Z	HB01U15D05Z	B	15	±5	100	11.91	11.55	10.07	9.64
80-HB01U15D12Z	HB01U15D12Z	B	15	±12	42	11.91	11.55	10.07	9.64
80-HB01U15D15Z	HB01U15D15Z	B	15	±15	34	11.91	11.55	10.07	9.64
80-HB01U24D05Z	HB01U24D05Z	B	24	±5	100	11.91	11.55	10.07	9.64
80-HB01U24D12Z	HB01U24D12Z	B	24	±12	42	11.91	11.55	10.07	9.64
80-HB01U24D15Z	HB01U24D15Z	B	24	±15	34	11.91	11.55	10.07	9.64

HL01R SERIES
1W REGULATED
SINGLE AND DUAL OUTPUT

The HL01R Series uses advanced circuit design and packaging technology to realize superior reliability and performance. Beat-frequency oscillator problems are reduced when using HL01R Series with high frequency isolation amplifiers.

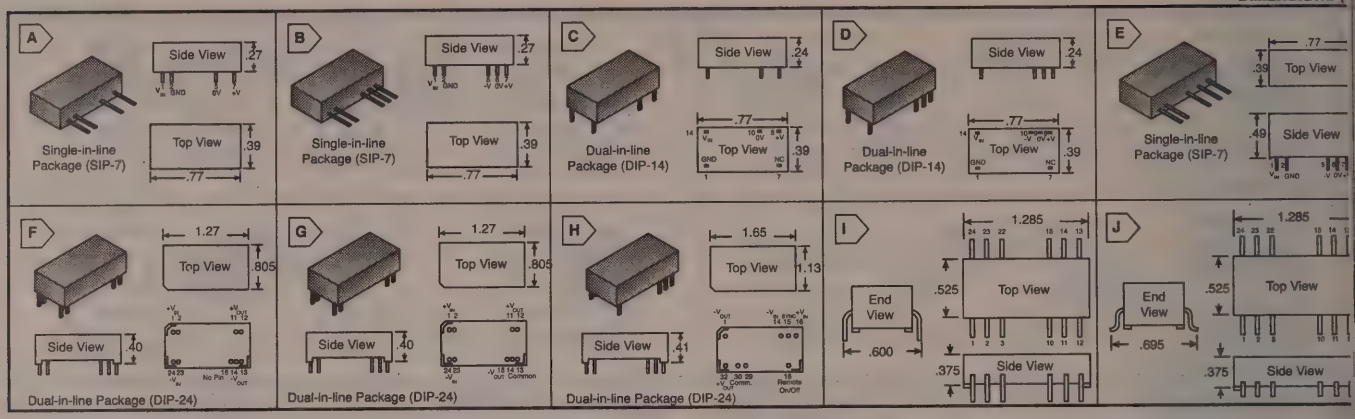
- 500Vrms isolation test voltage
- Low leakage current - 2mA max
- Internal filtering
- Low barrier capacitance - 10pF
- 24-pin DIP and SMD packages
- Non-conductive case

Pin Connections		
Pin#	Singles	Duals
1	+VIN	+VIN
2	NU	-VOUT
3	NU	Common
10	-VOUT	Common
11	+VOUT	+VOUT
12	-VIN	-VIN
13	-VIN	-VIN
14	+VOUT	+VOUT
15	-VOUT	Common
22	NU	Common
23	NU	-VOUT
24	+VIN	+VIN

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output DIP Package									
580-HL01R05S05Y	HL01R05S05Y	C	5	5	200	10.49	10.17	8.87	8.49
580-HL01R05S12Y	HL01R05S12Y	C	5	12	83	10.49	10.17	8.87	8.49
580-HL01R05S15Y	HL01R05S15Y	C	5	15	67	10.49	10.17	8.87	8.49
580-HL01R12S05Y	HL01R12S05Y	C	12	5	200	10.49	10.17	8.87	8.49
580-HL01R12S12Y	HL01R12S12Y	C	12	12	83	10.49	10.17	8.87	8.49
580-HL01R12S15Y	HL01R12S15Y	C	12	15	67	10.49	10.17	8.87	8.49
580-HL01R15S05Y	HL01R15S05Y	C	15	5	200	10.49	10.17	8.87	8.49
580-HL01R15S12Y	HL01R15S12Y	C	15	12	83	10.49	10.17	8.87	8.49
580-HL01R15S15Y	HL01R15S15Y	C	15	15	67	10.49	10.17	8.87	8.49
580-HL01R24S05Y	HL01R24S05Y	C	24	5	200	10.49	10.17	8.87	8.49
580-HL01R24S12Y	HL01R24S12Y	C	24	12	83	10.49	10.17	8.87	8.49
580-HL01R24S15Y	HL01R24S15Y	C	24	15	67	10.49	10.17	8.87	8.49
Dual Output DIP Package									
580-HL01R05D05Y	HL01R05D05Y	C	5	±5	100	12.52	12.14	10.58	10.13
580-HL01R05D12Y	HL01R05D12Y	C	5	±12	41	12.52	12.14	10.58	10.13
580-HL01R05D15Y	HL01R05D15Y	C	5	±15	33	12.52	12.14	10.58	10.13
580-HL01R12D05Y	HL01R12D05Y	C	12	±5	100	12.52	12.14	10.58	10.13
580-HL01R12D12Y	HL01R12D12Y	C	12	±12	41	12.52	12.14	10.58	10.13
580-HL01R12D15Y	HL01R12D15Y	C	12	±15	33	12.52	12.14	10.58	10.13
580-HL01R15D05Y	HL01R15D05Y	C	15	±5	100	12.52	12.14	10.58	10.13
580-HL01R15D12Y	HL01R15D12Y	C	15	±12	41	12.52	12.14	10.58	10.13
580-HL01R15D15Y	HL01R15D15Y	C	15	±15	33	12.52	12.14	10.58	10.13
580-HL01R24D05Y	HL01R24D05Y	C	24	±5	100	12.52	12.14	10.58	10.13
580-HL01R24D12Y	HL01R24D12Y	C	24	±12	41	12.52	12.14	10.58	10.13
580-HL01R24D15Y	HL01R24D15Y	C	24	±15	33	12.52	12.14	10.58	10.13
Single Output SMD Package									
580-HL01R05S05Z	HL01R05S05Z	D	5	5	200	10.49	10.17	8.87	8.49
580-HL01R05S12Z	HL01R05S12Z	D	5	12	83	10.49	10.17	8.87	8.49
580-HL01R05S15Z	HL01R05S15Z	D	5	15	67	10.49	10.17	8.87	8.49
580-HL01R12S05Z	HL01R12S05Z	D	12	5	200	10.49	10.17	8.87	8.49
580-HL01R12S12Z	HL01R12S12Z	D	12	12	83	10.49	10.17	8.87	8.49
580-HL01R12S15Z	HL01R12S15Z	D	12	15	67	10.49	10.17	8.87	8.49
580-HL01R15S05Z	HL01R15S05Z	D	15	5	200	10.49	10.17	8.87	8.49
580-HL01R15S12Z	HL01R15S12Z	D	15	12	83	10.49	10.17	8.87	8.49
580-HL01R15S15Z	HL01R15S15Z	D	15	15	67	10.49	10.17	8.87	8.49
580-HL01R24S05Z	HL01R24S05Z	D	24	5	200	10.49	10.17	8.87	8.49
580-HL01R24S12Z	HL01R24S12Z	D	24	12	83	10.49	10.17	8.87	8.49
580-HL01R24S15Z	HL01R24S15Z	D	24	15	67	10.49	10.17	8.87	8.49
Dual Output SMD Package									
580-HL01R05D05Z	HL01R05D05Z	D	5	±5	100	12.52	12.14	10.58	10.13
580-HL01R05D12Z	HL01R05D12Z	D	5	±12	41	12.52	12.14	10.58	10.13
580-HL01R05D15Z	HL01R05D15Z	D	5	±15	33	12.52	12.14	10.58	10.13
580-HL01R12D05Z	HL01R12D05Z	D	12	±5	100	12.52	12.14	10.58	10.13
580-HL01R12D12Z	HL01R12D12Z	D	12	±12	41	12.52	12.14	10.58	10.13
580-HL01R12D15Z	HL01R12D15Z	D	12	±15	33	12.52	12.14	10.58	10.13
580-HL01R15D05Z	HL01R15D05Z	D	15	±5	100	12.52	12.14	10.58	10.13
580-HL01R15D12Z	HL01R15D12Z	D	15	±12	41	12.52	12.14	10.58	10.13
580-HL01R15D15Z	HL01R15D15Z	D	15	±15	33	12.52	12.14	10.58	10.13
580-HL01R24D05Z	HL01R24D05Z	D	24	±5	100	12.52	12.14	10.58	10.13
580-HL01R24D12Z	HL01R24D12Z	D	24	±12	41	12.52	12.14	10.58	10.13
580-HL01R24D15Z	HL01R24D15Z	D	24	±15	33	12.52	12.14	10.58	10.13

DIMENSIONS



NMV SERIES 3KVDC ISOLATED, 1W SINGLE AND DUAL OUTPUT

- 3KVDC isolation
- Efficiency to 80%
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics
- Fully encapsulated

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output SIP Package									
580-NMV0505SA	NMV0505SA	A	5	5	200	10.97	10.64	9.27	8.88
580-NMV0509SA	NMV0509SA	A	5	9	111	10.97	10.64	9.27	8.88
580-NMV0512SA	NMV0512SA	A	5	12	84	10.97	10.64	9.27	8.88
580-NMV0515SA	NMV0515SA	A	5	15	67	10.97	10.64	9.27	8.88
580-NMV1205SA	NMV1205SA	A	12	5	200	10.97	10.64	9.27	8.88
580-NMV1209SA	NMV1209SA	A	12	9	111	10.97	10.64	9.27	8.88
580-NMV1212SA	NMV1212SA	A	12	12	84	10.97	10.64	9.27	8.88
580-NMV1215SA	NMV1215SA	A	12	15	67	10.97	10.64	9.27	8.88
Dual Output SIP Package									
580-NMV0505S	NMV0505S	B	5	±5	100	10.97	10.64	9.27	8.88
580-NMV0509S	NMV0509S	B	5	±9	55	10.97	10.64	9.27	8.88
580-NMV0512S	NMV0512S	B	5	±12	42	10.97	10.64	9.27	8.88
580-NMV0515S	NMV0515S	B	5	±15	34	10.97	10.64	9.27	8.88
580-NMV1205S	NMV1205S	B	12	±5	100	10.97	10.64	9.27	8.88
580-NMV1209S	NMV1209S	B	12	±9	55	10.97	10.64	9.27	8.88
580-NMV1212S	NMV1212S	B	12	±12	42	10.97	10.64	9.27	8.88
580-NMV1215S	NMV1215S	B	12	±15	34	10.97	10.64	9.27	8.88
Single Output DIP Package									
580-NMV0505DA	NMV0505DA	C	5	5	200	11.52	11.18	9.74	9.32
580-NMV0509DA	NMV0509DA	C	5	9	111	11.52	11.18	9.74	9.32
580-NMV0512DA	NMV0512DA	C	5	12	84	11.52	11.18	9.74	9.32
580-NMV0515DA	NMV0515DA	C	5	15	67	11.52	11.18	9.74	9.32
580-NMV1205DA	NMV1205DA	C	12	5	200	11.52	11.18	9.74	9.32
580-NMV1209DA	NMV1209DA	C	12	9	111	11.52	11.18	9.74	9.32
580-NMV1212DA	NMV1212DA	C	12	12	84	11.52	11.18	9.74	9.32
580-NMV1215DA	NMV1215DA	C	12	15	67	11.52	11.18	9.74	9.32
Dual Output DIP Package									
580-NMV0505D	NMV0505D	D	5	±5	100	11.52	11.18	9.74	9.32
580-NMV0509D	NMV0509D	D	5	±9	55	11.52	11.18	9.74	9.32
580-NMV0512D	NMV0512D	D	5	±12	42	11.52	11.18	9.74	9.32
580-NMV0515D	NMV0515D	D	5	±15	34	11.52	11.18	9.74	9.32
580-NMV1205D	NMV1205D	D	12	±5	100	11.52	11.18	9.74	9.32
580-NMV1209D	NMV1209D	D	12	±9	55	11.52	11.18	9.74	9.32
580-NMV1212D	NMV1212D	D	12	±12	42	11.52	11.18	9.74	9.32
580-NMV1215D	NMV1215D	D	12	±15	34	11.52	11.18	9.74	9.32

NMJ SERIES 5.2KVDC ISOLATED, 1W DUAL OUTPUT

The NMJ series are dual output DC-DC converters in a 7-pin SIP package style.
They are suitable for applications where safety and miniaturization are of paramount importance.

- BS EN 60950
- 5.2kVDC isolation
- Power sharing
- No heatsink required
- Toroidal magnetics
- Fully encapsulated

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
580-NMJ0505S	NMJ0505S	E	5	±5	100	14.04	13.62	11.87	11.35
580-NMJ0512S	NMJ0512S	E	5	±12	42	14.04	13.62	11.87	11.35
580-NMJ0515S	NMJ0515S	E	5	±15	33	14.04	13.62	11.87	11.35
580-NMJ1205S	NMJ1205S	E	12	±5	100	14.04	13.62	11.87	11.35
580-NMJ1212S	NMJ1212S	E	12	±12	42	14.04	13.62	11.87	11.35
580-NMJ1215S	NMJ1215S	E	12	±15	33	14.04	13.62	11.87	11.35

PWR13XX SERIES, 1.5W UNREGULATED SINGLE AND DUAL OUTPUT

The PWR13XX series offers a broad line of low-cost, high-isolation voltage, unregulated, single and dual output DC-DC converters in a 24-pin DIP package. High efficiency means less internal power dissipation.

- 8kVDC isolation
- Internal filtering
- Low barrier capacitance-10pf
- Low leakage current-2μA max

For quantities of 200 and up, call for quo

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output									
580-PWR1300A	PWR1300A	F	5	5	300	31.79	30.83	26.87	25.7
580-PWR1301A	PWR1301A	F	5	12	125	31.79	30.83	26.87	25.7
580-PWR1302A	PWR1302A	F	5	15	100	31.79	30.83	26.87	25.7
580-PWR1306A	PWR1306A	F	12	5	300	31.79	30.83	26.87	25.7
580-PWR1307A	PWR1307A	F	12	12	125	31.79	30.83	26.87	25.7
580-PWR1308A	PWR1308A	F	12	15	100	31.79	30.83	26.87	25.7
580-PWR1312A	PWR1312A	F	15	5	300	31.79	30.83	26.87	25.7
580-PWR1313A	PWR1313A	F	15	12	125	31.79	30.83	26.87	25.7
580-PWR1314A	PWR1314A	F	15	15	100	31.79	30.83	26.87	25.7
Dual Output									
580-PWR1303A	PWR1303A	G	5	±5	150	33.81	32.79	28.57	27.3
580-PWR1304A	PWR1304A	G	5	±12	63	33.81	32.79	28.57	27.3
580-PWR1305A	PWR1305A	G	5	±15	50	33.81	32.79	28.57	27.3
580-PWR1309A	PWR1309A	G	12	±5	150	33.81	32.79	28.57	27.3
580-PWR1310A	PWR1310A	G	12	±12	63	33.81	32.79	28.57	27.3
580-PWR1311A	PWR1311A	G	12	±15	50	33.81	32.79	28.57	27.3
580-PWR1315A	PWR1315A	G	15	±5	150	33.81	32.79	28.57	27.3
580-PWR1316A	PWR1316A	G	15	±12	63	33.81	32.79	28.57	27.3
580-PWR1317A	PWR1317A	G	15	±15	50	33.81	32.79	28.57	27.3

PWR1726A SERIES, 1.5W UNREGULATED DUAL OUTPUT

The PWR1726A is a single-channel, dual-output DC-DC converter designed for applications where high-isolation voltage and low-barrier capacitance are critical for reliability and integrity.

- 8kV isolation test voltage
- Remote on/off
- Operating temperature range: -40° C ~ +100°C
- Low-barrier capacitance
- Synchronizable

For quantities of 200 and up, call for quo

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
580-PWR1726A	PWR1726A	H	12	±15	50	40.62	39.40	34.33	32.8

HL02U SERIES, 2W UNREGULATED SINGLE AND DUAL OUTPUT

- Internal filtering
- Temperature range: -25°C to +70°C
- Short circuit duration: 30 seconds
- Low output noise
- High efficiency
- Internal power dissipation: 0.9W
- Non-conductive case

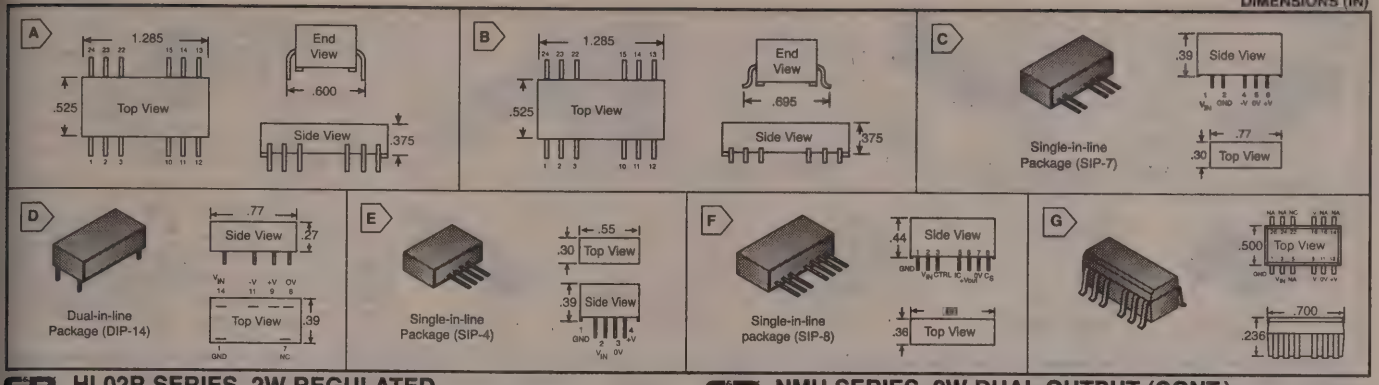
For quantities of 200 and up, call for quo

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output DIP Package									
580-HL02U05S05Y	HL02U05S05Y	I	5	5	400	8.88	8.62	7.51	7.1
580-HL02U12S12Y	HL02U12S12Y	I	12	12	167	8.88	8.62	7.51	7.1
Dual Output DIP Package									
580-HL02U05D12Y	HL02U05D12Y	I	5	±12	83	14.55	14.11	12.30	11.7
580-HL02U05D15Y	HL02U05D15Y	I	5	±15	67	14.55	14.11	12.30	11.7
580-HL02U24D15Y	HL02U24D15Y	I	24	±15	67	14.55	14.11	12.30	11.7
Single Output SMD Package									
580-HL02U05S05Z	HL02U05S05Z	J	5	5	400	8.88	8.62	7.51	7.1
580-HL02U12S12Z	HL02U12S12Z	J	12	12	167	8.88	8.62	7.51	7.1
Dual Output SMD Package									
580-HL02U05D12Z	HL02U05D12Z	J	5	±12	83	14.55	14.11	12.30	11.7
580-HL02U05D15Z	HL02U05D15Z	J	5	±15	67	14.55	14.11	12.30	11.7
580-HL02U24D15Z	HL02U24D15Z	J	24	±15	67	14.55	14.11	12.30	11.7

C&D TECHNOLOGIES DC-DC Converters

C&D TECHNOLOGIES

DIMENSIONS (IN)



HL02R SERIES, 2W REGULATED SINGLE AND DUAL OUTPUT

The HL02R Series utilizes a 110KHz push-pull oscillator in the input stage with low-drop regulators on the outputs reducing the output noise and maintaining good efficiency.

- Internal filtering
- Temperature range: -25°C to +70°C
- Short circuit duration: 30 seconds
- Low output noise
- High efficiency
- Internal power dissipation: 0.90W
- Non-conductive case

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output DIP Package									
580-HL02R05S05Y	HL02R05S05Y	A	5	5	400	12.57	12.19	10.92	10.17
580-HL02R05S12Y	HL02R05S12Y	A	5	12	166	12.57	12.19	10.92	10.17
580-HL02R05S15Y	HL02R05S15Y	A	5	15	134	12.57	12.19	10.92	10.17
580-HL02R12S05Y	HL02R12S05Y	A	12	5	400	12.57	12.19	10.92	10.17
580-HL02R12S12Y	HL02R12S12Y	A	12	12	166	12.57	12.19	10.92	10.17
580-HL02R12S15Y	HL02R12S15Y	A	12	15	134	12.57	12.19	10.92	10.17
580-HL02R15S05Y	HL02R15S05Y	A	15	5	400	12.57	12.19	10.92	10.17
580-HL02R15S12Y	HL02R15S12Y	A	15	12	166	12.57	12.19	10.92	10.17
580-HL02R15S15Y	HL02R15S15Y	A	15	15	134	12.57	12.19	10.92	10.17
580-HL02R24S05Y	HL02R24S05Y	A	24	5	400	12.57	12.19	10.92	10.17
580-HL02R24S12Y	HL02R24S12Y	A	24	12	166	12.57	12.19	10.92	10.17
580-HL02R24S15Y	HL02R24S15Y	A	24	15	134	12.57	12.19	10.92	10.17
Dual Output DIP Package									
580-HL02R05D12Y	HL02R05D12Y	A	5	±12	83	15.08	14.62	12.74	12.20
580-HL02R05D15Y	HL02R05D15Y	A	5	±15	67	15.08	14.62	12.74	12.20
580-HL02R12D12Y	HL02R12D12Y	A	12	±12	83	15.08	14.62	12.74	12.20
580-HL02R12D15Y	HL02R12D15Y	A	12	±15	67	15.08	14.62	12.74	12.20
580-HL02R15D12Y	HL02R15D12Y	A	15	±12	83	15.08	14.62	12.74	12.20
580-HL02R15D15Y	HL02R15D15Y	A	15	±15	67	15.08	14.62	12.74	12.20
580-HL02R24D12Y	HL02R24D12Y	A	24	±12	83	15.08	14.62	12.74	12.20
580-HL02R24D15Y	HL02R24D15Y	A	24	±15	67	15.08	14.62	12.74	12.20
Single Output SMD Package									
580-HL02R05S05Z	HL02R05S05Z	B	5	5	400	12.57	12.19	10.92	10.17
580-HL02R05S12Z	HL02R05S12Z	B	5	12	166	12.57	12.19	10.92	10.17
580-HL02R05S15Z	HL02R05S15Z	B	5	15	134	12.57	12.19	10.92	10.17
580-HL02R12S05Z	HL02R12S05Z	B	12	5	400	12.57	12.19	10.92	10.17
580-HL02R12S12Z	HL02R12S12Z	B	12	12	166	12.57	12.19	10.92	10.17
580-HL02R12S15Z	HL02R12S15Z	B	12	15	134	12.57	12.19	10.92	10.17
580-HL02R15S05Z	HL02R15S05Z	B	15	5	400	12.57	12.19	10.92	10.17
580-HL02R15S12Z	HL02R15S12Z	B	15	12	166	12.57	12.19	10.92	10.17
580-HL02R15S15Z	HL02R15S15Z	B	15	15	134	12.57	12.19	10.92	10.17
580-HL02R24S05Z	HL02R24S05Z	B	24	5	400	12.57	12.19	10.92	10.17
580-HL02R24S12Z	HL02R24S12Z	B	24	12	166	12.57	12.19	10.92	10.17
580-HL02R24S15Z	HL02R24S15Z	B	24	15	134	12.57	12.19	10.92	10.17
Dual Output SMD Package									
580-HL02R05D12Z	HL02R05D12Z	B	5	±12	83	15.08	14.62	12.74	12.20
580-HL02R05D15Z	HL02R05D15Z	B	5	±15	67	15.08	14.62	12.74	12.20
580-HL02R12D12Z	HL02R12D12Z	B	12	±12	83	15.08	14.62	12.74	12.20
580-HL02R12D15Z	HL02R12D15Z	B	12	±15	67	15.08	14.62	12.74	12.20
580-HL02R15D12Z	HL02R15D12Z	B	15	±12	83	15.08	14.62	12.74	12.20
580-HL02R15D15Z	HL02R15D15Z	B	15	±15	67	15.08	14.62	12.74	12.20
580-HL02R24D12Z	HL02R24D12Z	B	24	±12	83	15.08	14.62	12.74	12.20
580-HL02R24D15Z	HL02R24D15Z	B	24	±15	67	15.08	14.62	12.74	12.20

NMH SERIES, 2W DUAL OUTPUT

The NMH offers the smallest footprint of any dual-output 2 watt DC-DC Converter.

- 1KVDC isolation
- UL 94V-0 package material
- Toroidal magnetics
- Efficiency to 80%
- No heatsink required
- Fully encapsulated

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
SIP									
580-NMH0505S	NMH0505S	C	5	±5	200	14.04	13.62	11.87	11.36
580-NMH0509S	NMH0509S	C	5	±9	111	14.04	13.62	11.87	11.36
580-NMH0512S	NMH0512S	C	5	±12	83	14.04	13.62	11.87	11.36
580-NMH0515S	NMH0515S	C	5	±15	67	14.04	13.62	11.87	11.36
580-NMH1205S	NMH1205S	C	12	±5	200	14.04	13.62	11.87	11.36
580-NMH1209S	NMH1209S	C	12	±9	111	14.04	13.62	11.87	11.36
580-NMH1212S	NMH1212S	C	12	±12	83	14.04	13.62	11.87	11.36
580-NMH1215S	NMH1215S	C	12	±15	67	14.04	13.62	11.87	11.36
580-NMH2405S	NMH2405S	C	5	±5	200	16.15	15.68	13.65	13.07
580-NMH2409S	NMH2409S	C	5	±9	111	16.15	15.68	13.65	13.07
580-NMH2412S	NMH2412S	C	5	±12	83	16.15	15.68	13.65	13.07
580-NMH2415S	NMH2415S	C	5	±15	67	16.15	15.68	13.65	13.07
580-NMH4805S	NMH4805S	C	48	±5	200	16.15	15.68	13.65	13.07
580-NMH4809S	NMH4809S	C	48	±9	111	16.15	15.68	13.65	13.07
580-NMH4812S	NMH4812S	C	48	±12	83	16.15	15.68	13.65	13.07
580-NMH4815S	NMH4815S	C	48	±15	67	16.15	15.68	13.65	13.07

NMH SERIES, 2W DUAL OUTPUT (CONT.)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
DIP									
580-NMH0505D	NMH0505D	D	5	±5	200	14.75	14.31	13.46	11.93
580-NMH0509D	NMH0509D	D	5	±9	111	14.75	14.31	13.46	11.93
580-NMH0512D	NMH0512D	D	5	±12	83	14.75	14.31	13.46	11.93
580-NMH0515D	NMH0515D	D	5	±15	67	14.75	14.31	13.46	11.93
580-NMH1205D	NMH1205D	D	12	±5	200	14.75	14.31	13.46	11.93
580-NMH1209D	NMH1209D	D	12	±9	111	14.75	14.31	13.46	11.93
580-NMH1212D	NMH1212D	D	12	±12	83	14.75	14.31	13.46	11.93
580-NMH1215D	NMH1215D	D	12	±15	67	14.75	14.31	13.46	11.93
580-NMH2405D	NMH2405D	D	5	±5	200	16.96	16.45	14.34	13.73
580-NMH2409D	NMH2409D	D	5	±9	111	16.96	16.45	14.34	13.73
580-NMH2412D	NMH2412D	D	5	±12	83	16.96	16.45	14.34	13.73
580-NMH2415D	NMH2415D	D	5	±15	67	16.96	16.45	14.34	13.73
580-NMH4805D	NMH4805D	D	48	±5	200	16.96	16.45	14.34	13.73
580-NMH4809D	NMH4809D	D	48	±9	111	16.96	16.45	14.34	13.73
580-NMH4812D	NMH4812D	D	48	±12	83	16.96	16.45	14.34	13.73
580-NMH4815D	NMH4815D	D	48	±15	67	16.96	16.45	14.34	13.73

NML SERIES, 2W SINGLE OUTPUT

The NML is the smallest footprint 2 watt DC-DC Converter currently available.

- 1KVDC isolation
- UL 94V-0 package material
- Toroidal magnetics
- Efficiency to 85%
- No heatsink required
- Fully encapsulated

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
SIP									
580-NML0505S	NML0505S	E	5	5	400	14.04	13.62	11.87	11.36
580-NML0512S	NML0512S	E	5	12	167	14.04	13.62	11.87	11.36
580-NML0515S	NML0515S	E	5	15	133	14.04	13.62	11.87	11.36
580-NML1205S	NML1205S	E	12	5	400	14.04	13.62	11.87	11.36
580-NML1212S	NML1212S	E	12	12	167	14.04	13.62	11.87	11.36
580-NML1215S	NML1215S	E	12	15	133	14.04	13.62	11.87	11.36

NDL SERIES, ISOLATED 2W WIDE INPUT SINGLE OUTPUT

The NDL series is a range of high performance miniature DC-DC converters having regulated outputs over the wide temperature range of -40°C to 85°C with no power derating.

- 2:1 wide range voltage input
- 0.5% regulation
- External control
- Continuous short circuit protection with current foldback
- 1KVDC isolation
- UL 94V-O package materials

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
580-NDL0505S	NDL0505S	F	4.5-9	5	400	21.07	20.44	17.80	17.04
580-NDL0509S	NDL0509S	F	4.5-9	9	222	21.07	20.44	17.80	17.04
580-NDL0512S	NDL0512S	F	4.5-9	12	167	21.07	20.44	17.80	17.04
580-NDL0515S	NDL0515S	F	4.5-9	15	134	21.07	20.44	17.80	17.04
580-NDL1205S	NDL1205S	F	9-18	5	400	21.07	20.44	17.80	17.04
580-NDL1209S	NDL1209S	F	9-18	9	222	21.07	20.44	17.80	17.04
580-NDL1212S	NDL1212S	F	9-18	12	167	21.07	20.44	17.80	17.04
580-NDL1215S	NDL1215S	F	9-18	15	134	21.07	20.44	17.80	17.04
580-NDL2405S	NDL2405S	F	18-36	5	400	21.07	20.44	17.80	17.04
580-NDL2409S	NDL2409S	F	18-36	9	222	21.07	20.44	17.80	17.04
580-NDL2412S	NDL2412S	F	18-36	12	167	21.07	20.44	17.80	17.04
580-NDL2415S	NDL2415S	F	18-36	15	134	21.07	20.44	17.80	17.04
580-NDL4805S	NDL4805S	F	36-72	5	400	21.07	20.44	17.80	17.04
580-NDL4809S	NDL4809S	F	36-72	9	222	21.07	20.44	17.80	17.04
580-NDL4812S	NDL4812S	F	36-72	12	167	21.07	20.44	17.80	17.04
580-NDL4815S	NDL4815S	F	36-72	15	134	21.07	20.44	17.80	17.04

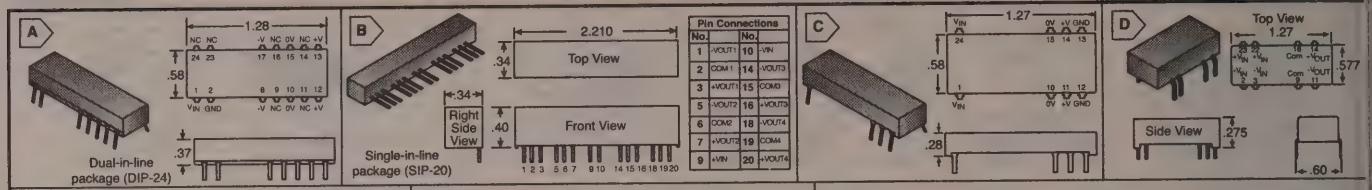
NTH SERIES, 2W DUAL OUTPUT

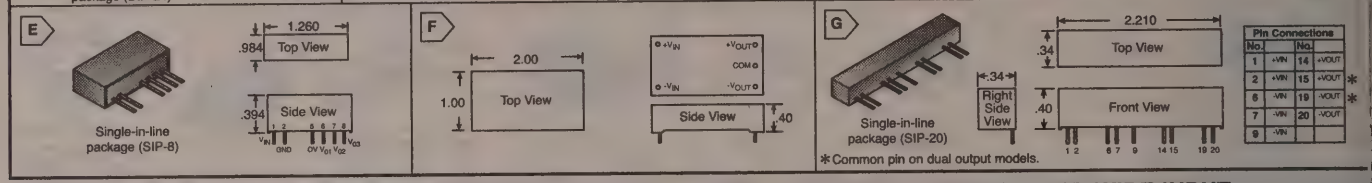
The NTH series of miniature surface mounted DC-DC converters employ leadframe technology and transfer moulding techniques to bring all of the benefits of IC style packaging to hybrid circuitry.

- 1KVDC isolation
- No heatsink required
- Operating temperature range -40°C to 85°C
- Internal SMD construction
- MTTF up to 2.1 million hours
- Efficiency to 84%

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
580-NTH0505M	NTH0505M	G	5	±5	200	14.04	13.61	11.86	11.35
580-NTH0509M	NTH0509M	G	5	±9	111	14.04	13.61	11.86	11.35
580-NTH0512M	NTH0512M	G	5	±12	83	14.04	13.61	11.86	11.35
580-NTH0515M	NTH0515M	G	5	±15	67	14.04	13.61	11.86	11.35
580-NTH1205M	NTH1205M	G	12	±5	200	14.04	13.61	11.86	11.35
580-NTH1209M	NTH1209M	G	12	±9	111	14.04	13.61	11.86	11.35
580-NTH1212M	NTH1212M	G	12	±12	83	14.04	13.61	11.86	11.35
580-NTH1215M	NTH1215M	G	12	±15	67	14.04	13.61	11.86	11.35





NMS SERIES, 6KVDC ISOLATED 2W DUAL OUTPUT

The NMS series of DC-DC converters are fully certified to BS EN 60950, this makes them ideal for all telecom and safety applications where approved isolation is required.

- BS EN 60950 certified
- Efficiency to 80%
- No heatsink required
- 6KVDC isolation
- UL 94V-O package material
- No external components required

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50
580-NMS0505	NMS0505	A	5	±5	200	22.47	21.80	18.99
580-NMS0509	NMS0509	A	5	±9	111	22.47	21.80	18.99
580-NMS0512	NMS0512	A	5	±12	83	22.47	21.80	18.99
580-NMS0515	NMS0515	A	5	±15	67	22.47	21.80	18.99
580-NMS1205	NMS1205	A	12	±5	200	22.47	21.80	18.99
580-NMS1209	NMS1209	A	12	±9	111	22.47	21.80	18.99
580-NMS1212	NMS1212	A	12	±12	83	22.47	21.80	18.99
580-NMS1215	NMS1215	A	12	±15	67	22.47	21.80	18.99

HPR2XX SERIES, 3W MINIATURE MULTIPLE OUTPUT

The HPR2XX Series is designed for multiple channel applications that require small size and could benefit from a complete one-package solution. Four isolated channels of output power in a footprint less than the size of many singular devices. Each isolated channel can supply up to 750mW.

- Four channels of isolated power
- High output power density: 9.4W/in³
- Internal input and output filtering
- High efficiency to 84%
- High isolation voltage: 750V continuous input-to-output and channel-to-channel
- Non-conductive case

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
580-HPR203	HPR203	B	5	±5.2	73	28.76	27.90	24.31	23.27
580-HPR204	HPR204	B	5	±12	30	28.76	27.90	24.31	23.27
580-HPR205	HPR205	B	5	±15	25	28.76	27.90	24.31	23.27
580-HPR210	HPR210	B	12	±12	30	28.76	27.90	24.31	23.27
580-HPR211	HPR211	B	12	±15	25	28.76	27.90	24.31	23.27
580-HPR216	HPR216	B	15	±12	30	28.76	27.90	24.31	23.27
580-HPR217	HPR217	B	15	±15	25	28.76	27.90	24.31	23.27
580-HPR221	HPR221	B	24	±5.0	75	28.76	27.90	24.31	23.27
580-HPR223	HPR223	B	24	±15	25	28.76	27.90	24.31	23.27

NDY SERIES, 3W WIDE INPUT SINGLE OUTPUT

A range of low profile converters offering a single regulated output over a 2:1 input voltage range.

- 1KVDC isolation
- Efficiency to 83%
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics
- Fully encapsulated

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50
DIP								
580-NDY0505	NDY0505	C	4.5-9	5	400-600	16.96	16.45	14.33
580-NDY0509	NDY0509	C	4.5-9	9	222-333	16.96	16.45	14.33
580-NDY0512	NDY0512	C	4.5-9	12	166-250	16.96	16.45	14.33
580-NDY0515	NDY0515	C	4.5-9	15	133-200	16.96	16.45	14.33
580-NDY1205	NDY1205	C	12	5	600	16.96	16.45	14.33
580-NDY1209	NDY1209	C	12	9	333	16.96	16.45	14.33
580-NDY1212	NDY1212	C	12	12	250	16.96	16.45	14.33
580-NDY1215	NDY1215	C	12	15	200	16.96	16.45	14.33
580-NDY2403	NDY2403	C	24	3.3	909	16.96	16.45	14.33
580-NDY2405	NDY2405	C	24	5	600	16.96	16.45	14.33
580-NDY2409	NDY2409	C	24	9	333	16.96	16.45	14.33
580-NDY2412	NDY2412	C	24	12	250	16.96	16.45	14.33
580-NDY2415	NDY2415	C	24	15	200	16.96	16.45	14.33
580-NDY4803	NDY4803	C	48	3.3	909	16.96	16.45	14.33
580-NDY4805	NDY4805	C	48	5	600	16.96	16.45	14.33
580-NDY4809	NDY4809	C	48	9	333	16.96	16.45	14.33
580-NDY4812	NDY4812	C	48	12	250	16.96	16.45	14.33
580-NDY4815	NDY4815	C	48	15	200	16.96	16.45	14.33

NDT SERIES, 3W ISOLATED WIDE INPUT DUAL OUTPUT

Low profile DC-DC converters offering dual outputs over a 2:1 input voltage range. All parts deliver up to 85°C without heat-sinking.

- Industry standard pinout
- 1kVDC isolation
- Dual isolated output
- Efficiency to 81%
- Input range: 24V: 18–36VDC; 48V: 36–75VDC
- Short circuit protection

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA) min	max	Price Each 1	25	50
580-NDTD2412	NDTD2412	D	24	±12	31	125	17.80	17.26	15.05
580-NDTD2415	NDTD2415	D	24	±15	25	100	17.80	17.26	15.05
580-NDTD4812	NDTD4812	D	48	±12	31	125	17.80	17.26	15.05
580-NDTD4815	NDTD4815	D	48	±15	25	100	17.80	17.26	15.05

NMT SERIES, 3W TRIPLE OUTPUT

This series is a range of DC-DC converters offering three output voltages of -24V, -48V, and -72V from a single isolated 5V or 12V input voltage. This product is packaged in an 8 pin SIP case for minimum PCB footprint.

- Triple outputs (-24V, -48V, and -72V)
- Power sharing on outputs
- Toroidal magnetics
- Input/output isolation 1KVDC
- Internal SMD construction
- UL 94-V-0 package material

* Io assumes all 3 channels are equally loaded

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50
580-NMT0572S	NMT0572S	E	5	-24 -48 -72	42 21 14	14.47	14.04	12.23
580-NMT1272S	NMT1272S	E	12	-24 -48 -72	42 21 14	14.47	14.04	12.23

HB04U SERIES, 4W UNREGULATED SINGLE AND DUAL OUTPUT

The high efficiency of the HB04U series means less internal power dissipation. With less heat to dissipate, the converter can operate over a wider ambient temperature range with no degradation of reliable operation.

- High isolation - 3000V rating
- 8000v isolation test voltage
- low barrier capacitance - 10pf
- low leakage current - 2μA max

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output									
580-HB04U12S12Q	HB04U12S12Q	F	12	12	333	53.94	52.32	45.59	43.64
Dual Output									
580-HB04U05D12Q	HB04U05D12Q	F	5	±12	167	64.72	62.77	54.70	52.36

HPR7XX SERIES, 5W UNREGULATED SINGLE AND DUAL OUTPUT

The HPR7XX Series provides high power densities where space is critical. Designed for high density boards, the package is non-conductive, which presents advantages over painted metal enclosures.

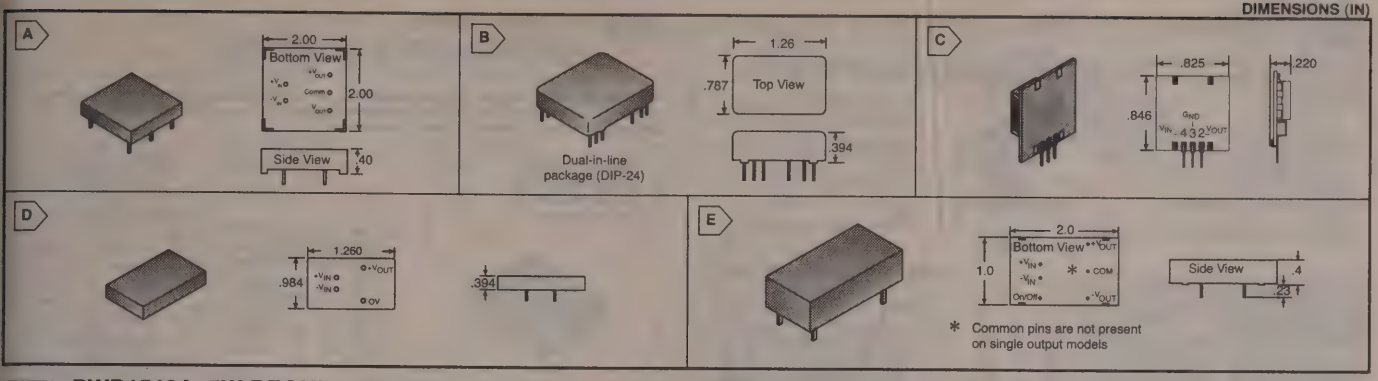
- High power density: 16W/in³
- Internal input and output filtering
- Six-sided shielding

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output									
580-HPR700	580-HPR700	G	5	5	1000	27.68	26.85	23.39	22.40
580-HPR706	580-HPR706	G	12	5	1000	27.68	26.85	23.39	22.40
580-HPR712	580-HPR712	G	15	5	1000	27.68	26.85	23.39	22.40
Dual Output									
580-HPR703	580-HPR703	G	5	±5	500	27.68	26.85	23.39	22.40
580-HPR704	580-HPR704	G	5	±12	208	27.68	26.85	23.39	22.40
580-HPR705	580-HPR705	G	5	±15	167	27.68	26.85	23.39	22.40
580-HPR710	580-HPR710	G	12	±12	208	27.68	26.85	23.39	22.40
580-HPR711	580-HPR711	G	12	±15	167	27.68	26.85	23.39	22.40
580-HPR717	580-HPR717	G	15	±15	167	27.68	26.85	23.39	22.40

C&D TECHNOLOGIES DC-DC Converters

DIMENSIONS (IN)



PWR1546A, 5W REGULATED DUAL OUTPUT

- 750VDC isolation
- 1mV p-p maximum output noise
- Short-circuit protection
- Six-sided shielding
- Internal input and output filtering
- Fully regulated
- Efficiency: 60% typ.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (A)	Price Each 1	25	50	100
580-PWR1546A	PWR1546A	A	5	±15	167	90.96	88.22	76.88	73.60

WP06R SERIES

The WP06R series is a family of high performance DC-DC converters that offer regulated output power over three input voltage ranges of 9-18V, 18-36V, and 34-75V and over a wide operating temperature range of -40°C to +100°C without derating.

- 2:1 input voltage range
- Metal Case
- Short circuit protection
- Temperature shutdown
- Overvoltage protection

5-6W Single Output

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA) min	Io (mA) max	Price Each 1	25	50
580-WP06R12S05N	WP06R12S05N	B	12	5	100	1000	28.76	27.90	24.31
580-WP06R12S12N	WP06R12S12N	B	12	12	42	416	28.76	27.90	24.31
580-WP06R12S15N	WP06R12S15N	B	12	15	33	333	28.76	27.90	24.31
580-WP06R24S05N	WP06R24S05N	B	24	5	100	1000	28.76	27.90	24.31
580-WP06R24S12N	WP06R24S12N	B	24	12	42	416	28.76	27.90	24.31
580-WP06R24S15N	WP06R24S15N	B	24	15	33	333	28.76	27.90	24.31
580-WP06R48S05N	WP06R48S05N	B	48	5	100	1000	28.76	27.90	24.31
580-WP06R48S12N	WP06R48S12N	B	48	12	42	416	28.76	27.90	24.31
580-WP06R48S15N	WP06R48S15N	B	48	15	33	333	28.76	27.90	24.31

5-6W Dual Output

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA) min	Io (mA) max	Price Each 1	25	50
580-WP06R12D05N	WP06R12D05N	B	12	±5	50	500	30.46	29.54	25.74
580-WP06R12D12N	WP06R12D12N	B	12	±12	21	208	30.46	29.54	25.74
580-WP06R12D15N	WP06R12D15N	B	12	±15	17	167	30.46	29.54	25.74
580-WP06R24D05N	WP06R24D05N	B	24	±5	50	500	30.46	29.54	25.74
580-WP06R24D12N	WP06R24D12N	B	24	±12	21	208	30.46	29.54	25.74
580-WP06R24D15N	WP06R24D15N	B	24	±15	17	167	30.46	29.54	25.74
580-WP06R48D05N	WP06R48D05N	B	48	±5	50	500	30.46	29.54	25.74
580-WP06R48D12N	WP06R48D12N	B	48	±12	21	208	30.46	29.54	25.74
580-WP06R48D15N	WP06R48D15N	B	48	±15	17	167	30.46	29.54	25.74

PWR51XX SERIES, 9W REGULATED DUAL OUTPUT

750VDC Isolation
Input and output filtering
Six-sided shielding

- Operating temperature range: -40° C ~ +100°C
- Linear output regulation
- Barrier leakage current: 100% tested at 240VAC

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
580-PWR5104	PWR5104	A	5	±12	375	68.32	66.26	57.74	55.28
580-PWR5105	PWR5105	A	5	±15	300	68.32	66.26	57.74	55.28

NGA SERIES, 10W NON-ISOLATED SINGLE OUTPUT

The NGA series is a range of non-isolated, low profile DC-DC converters offering a single regulated output over a wide input voltage range.

- Short circuit protection
- Efficiency to 95%
- Operating temperature: -40°C to 85°C
- Wide input range -7.0 to 28VDC
- SMD construction

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (A)	Price Each 1	25	50	100
580-NGA10S15018S	NGA10S15018S	C	15	1.8	2.0	24.44	23.69	20.64	19.77
580-NGA10S15025S	NGA10S15025S	C	15	2.5	2.0	24.44	23.69	20.64	19.77
580-NGA10S15033S	NGA10S15033S	C	15	3.3	2.0	24.44	23.69	20.64	19.77
580-NGA10S15050S	NGA10S15050S	C	15	5	2.0	24.44	23.69	20.64	19.77

NPH SERIES, 10W SINGLE OUTPUT

This series combines ease of application with versatility. The pin pattern is based on the popular industry standard, but two additional pins may optionally be fitted to provide a variety of feature not commonly found on units of this type.

- High efficiency to 86%
- 1.5 kV input/output isolation
- Industry standard pinout
- Surge rating to 12W
- Protected against load faults
- UL 94V-0 package material
- Operation to zero load

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (A)	Price Each 1	25	50	100
580-NPH10S2403I	NPH10S2403I	D	24	3.4	2.94	36.18	35.10	30.57	29.27
580-NPH10S2405I	NPH10S2405I	D	24	5.1	1.96	36.18	35.10	30.57	29.27
580-NPH10S2412I	NPH10S2412I	D	24	12.1	.83	36.18	35.10	30.57	29.27
580-NPH10S2415I	NPH10S2415I	D	24	15.1	.67	36.18	35.10	30.57	29.27
580-NPH10S4803I	NPH10S4803I	D	48	3.4	2.94	36.18	35.10	30.57	29.27
580-NPH10S4805I	NPH10S4805I	D	48	5.1	1.96	36.18	35.10	30.57	29.27
580-NPH10S4812I	NPH10S4812I	D	48	12.1	.83	36.18	35.10	30.57	29.27
580-NPH10S4815I	NPH10S4815I	D	48	15.1	.67	36.18	35.10	30.57	29.27

WPC10R SERIES

The WPC10R series is a family of high performance DC-DC converters that offer regulated outputs over two input voltage ranges of 18 - 36 and 28 - 75V and over a wide operating temperature range of -40°C to +100°C without derating.

10W Single Output

- Industry standard package
- Short circuit protection
- Temperature shutdown
- Low radiated emissions

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Output (mA) min. load	Output (mA) rated load	Price Each 1	5	10
580-WPC10R24S03N	WPC10R24S03N	E	24	3.3	300	3000	45.51	44.14	38.47
580-WPC10R24S05N	WPC10R24S05N	E	24	5	200	2000	45.51	44.14	38.47
580-WPC10R24S12N	WPC10R24S12N	E	24	12	83	833	45.51	44.14	38.47
580-WPC10R24S15N	WPC10R24S15N	E	24	15	67	666	45.51	44.14	38.47
580-WPC10R48S03N	WPC10R48S03N	E	48	3.3	300	3000	45.51	44.14	38.47
580-WPC10R48S05N	WPC10R48S05N	E	48	5	200	2000	45.51	44.14	38.47
580-WPC10R48S12N	WPC10R48S12N	E	48	12	83	833	45.51	44.14	38.47
580-WPC10R48S15N	WPC10R48S15N	E	48	15	67	666	45.51	44.14	38.47

10W Dual Output

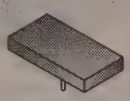
For quantities of 25 and up, call for quote.

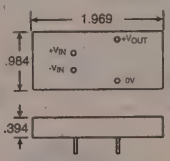
MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Output (mA) min. load	Output (mA) rated load	Price Each 1	5	10
580-WPC10R24D05N	WPC10R24D05N	E	24	±5	100	1000	48.14	46.69	40.68
580-WPC10R24D12N	WPC10R24D12N	E	24	±12	42	417	48.14	46.69	40.68
580-WPC10R24D15N	WPC10R24D15N	E	24	±15	33	333	48.14	46.69	40.68
580-WPC10R48D05N	WPC10R48D05N	E	48	±5	100	1000	48.14	46.69	40.68
580-WPC10R48D12N	WPC10R48D12N	E	48	±12	42	417	48.14	46.69	40.68
580-WPC10R48D15N	WPC10R48D15N	E	48	±15	33	333	48.14	46.69	40.68

NPH SERIES, 15W SINGLE OUTPUT

This series combines ease of application with versatility. The pin pattern is based on the popular industry standard, but two additional pins may optionally be fitted to provide a variety of features not commonly found on units of this type.

- High efficiency to 89%
- 1.5KV input to output isolation
- UL 1950 Recognized (E179522)
- Industry standard pinout
- Constant 350KHZ frequency
- Operation to zero load
- Protected against all load faults





DIMENSIONS (IN)

cULus

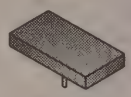
For quantities of 200 and up, call for quote.

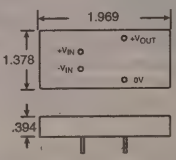
MOUSER STOCK NO.	C&D Part No.	Input Volts	Output Volts	Io (A)	Price Each 1	25	50	100
580-NPH15S2403I	NPH15S2403I	24	3.4	4.4	48.13	46.69	40.67	38.94
580-NPH15S2405I	NPH15S2405I	24	5.1	3.0	48.13	46.69	40.67	38.94
580-NPH15S2412I	NPH15S2412I	24	12.1	1.3	48.13	46.69	40.67	38.94
580-NPH15S2415I	NPH15S2415I	24	15.1	1.0	48.13	46.69	40.67	38.94
580-NPH15S4803I	NPH15S4803I	48	3.4	4.4	48.13	46.69	40.67	38.94
580-NPH15S4805I	NPH15S4805I	48	5.1	3.0	48.13	46.69	40.67	38.94
580-NPH15S4812I	NPH15S4812I	48	12.1	1.3	48.13	46.69	40.67	38.94
580-NPH15S4815I	NPH15S4815I	48	15.1	1.0	48.13	46.69	40.67	38.94

NPH SERIES, 25W SINGLE OUTPUT

This series of DC-DC Converters combines ease of application with versatility. Overload protection of the "constant current" type ensures start-up into complex load conditions. The copper case achieves efficient heat transfer and screening.

- High efficiency to 89%
- 1.5KV input to output isolation
- UL 1950 Recognized (E179522)
- Industry standard pinout
- Constant 350KHZ frequency
- Operation to zero load
- Protected against all load faults





DIMENSIONS (IN)

cULus

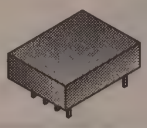
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Input Volts	Output Volts	Io (A)	Price Each 1	25	50	100
580-NPH25S2403	NPH25S2403I	24	3.4	7.3	54.98	53.33	46.46	44.48
580-NPH25S2405	NPH25S2405I	24	5.1	5	54.98	53.33	46.46	44.48
580-NPH25S2412	NPH25S2412I	24	12.1	2.1	54.98	53.33	46.46	44.48
580-NPH25S2415	NPH25S2415I	24	15.1	1.7	54.98	53.33	46.46	44.48
580-NPH25S4803	NPH25S4803I	48	3.4	7.3	54.98	53.33	46.46	44.48
580-NPH25S4805	NPH25S4805I	48	5.1	5	54.98	53.33	46.46	44.48
580-NPH25S4812	NPH25S4812I	48	12.1	2.1	54.98	53.33	46.46	44.48
580-NPH25S4815	NPH25S4815I	48	15.1	1.7	54.98	53.33	46.46	44.48

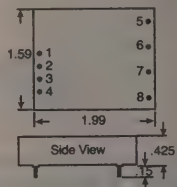
WPN20R SERIES, 20W SINGLE AND DUAL OUTPUT

The WPN20R series is a family of high performance DC-DC converters available in three input voltage ranges of 9 - 18V, 18 - 36V, and 33 - 75V. The 300KHz switching frequency and forward converter technology provide excellent performance across all line and load conditions.

- Industry standard pinout
- Remote on/off function
- Short circuit protection
- Zero load operation



PIN CONNECTIONS		
PIN#	SINGLES	DUALS
1	+VIN	+VIN
2	-VIN	-VIN
3	NO PIN	NO PIN
4	Remote On/Off	Remote On/Off
5	NO PIN	+VOUT
6	+VOUT	COMMON
7	-VOUT	-VOUT
8	TRIM	TRIM



DIMENSIONS (IN)

cULus VDE CE

For quantities of 50 and up, call for quote

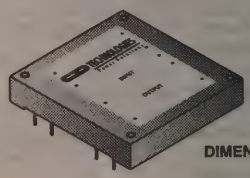
MOUSER STOCK NO.	C&D Part No.	Input Volts	Output Volts	Output (A) min. load	Output (A) typ.	Price Each 1	5	10	25
Single Output									
580-WPN20R12S03	WPN20R12S03	12	3.3	0.0	6.00	40.27	39.06	34.03	32.58
580-WPN20R12S05	WPN20R12S05	12	5.0	0.0	4.00	40.27	39.06	34.03	32.58
580-WPN20R12S12	WPN20R12S12	12	12.0	0.0	1.66	40.27	39.06	34.03	32.58
580-WPN20R12S15	WPN20R12S15	12	15.0	0.0	1.33	40.27	39.06	34.03	32.58
580-WPN20R24S03	WPN20R24S03	24	3.3	0.0	6.00	40.27	39.06	34.03	32.58
580-WPN20R24S05	WPN20R24S05	24	5.0	0.0	4.00	40.27	39.06	34.03	32.58
580-WPN20R24S12	WPN20R24S12	24	12.0	0.0	1.66	40.27	39.06	34.03	32.58
580-WPN20R24S15	WPN20R24S15	24	15.0	0.0	1.33	40.27	39.06	34.03	32.58
580-WPN20R48S03	WPN20R48S03	48	3.3	0.0	6.00	40.27	39.06	34.03	32.58
580-WPN20R48S05	WPN20R48S05	48	5.0	0.0	4.00	40.27	39.06	34.03	32.58
580-WPN20R48S12	WPN20R48S12	48	12.0	0.0	1.66	40.27	39.06	34.03	32.58
580-WPN20R48S15	WPN20R48S15	48	15.0	0.0	1.33	40.27	39.60	34.03	32.58
Dual Output									
580-WPN20R12D05	WPN20R12D05	12	±5.0	0.0	2.00	40.27	39.06	34.03	32.58
580-WPN20R12D12	WPN20R12D12	12	±12.0	0.0	0.83	47.27	39.06	34.03	32.58
580-WPN20R12D15	WPN20R12D15	12	±15.0	0.0	0.67	40.27	39.06	34.03	32.58
580-WPN20R24D05	WPN20R24D05	24	±5.0	0.0	2.00	40.27	39.06	34.03	32.58
580-WPN20R24D12	WPN20R24D12	24	±12.0	0.0	0.83	40.27	39.06	34.03	32.58
580-WPN20R24D15	WPN20R24D15	24	±15.0	0.0	0.67	40.27	39.06	34.03	32.58
580-WPN20R48D05	WPN20R48D05	48	±5.0	0.0	2.00	40.27	39.06	34.03	32.58
580-WPN20R48D12	WPN20R48D12	48	±12.0	0.0	0.83	40.27	39.06	34.03	32.58
580-WPN20R48D15	WPN20R48D15	48	±15.0	0.0	0.67	40.27	39.06	34.03	32.58

C&D TECHNOLOGIES WPN30R SERIES, 30W HALF BRICK SINGLE OUTPUT

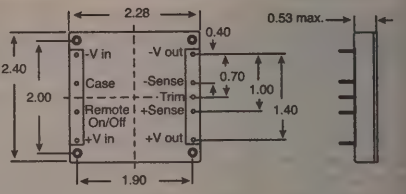
The WPN30R series is a family of high-performance DC-DC Converters. The unit is housed in a space-saving shell and combines low cost with high performance across all line and load conditions. An output trim feature is provided, allowing the user to compensate for long line lengths.

Features:

- 36-75V Input Range
- Industry Standard Pinouts
- Input & Output Filtering
- Remote On/Off (available in positive or negative logic)
- 1500VDC Isolation voltage
- Full regulation down to zero load
- Under voltage lock-out, auto-start
- Remote sense
- Extended temperature range: -40° to +100°C baseplate



DIMENSIONS (IN)



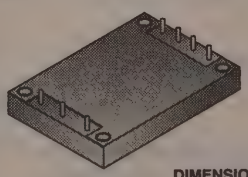
For quantities of 200 and up, call for quote.

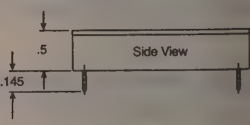
MOUSER STOCK NO.	C&D Part No.	Input Volts	Output Volts	Output Current (A) Min.	Output Current (A) Max.	Price Each 1	25	50	100
Positive Logic									
580-WPN30R48S03	WPN30R48S03	48	3.3	9.0	11.0	40.14	38.36	37.66	37.13
580-WPN30R48S05	WPN30R48S05	48	5.0	6.0	7.5	40.14	38.36	37.66	37.13
580-WPN30R48S12	WPN30R48S12	48	12	2.5	3.0	40.14	38.36	37.66	37.13
580-WPN30R48S15	WPN30R48S15	48	15	2.0	2.4	40.14	38.36	37.66	37.13
Negative Logic									
580-WPN30R48S03-1	WPN30R48S03-1	48	3.3	9.0	11.0	40.14	38.36	37.66	37.13
580-WPN30R48S05-1	WPN30R48S05-1	48	5.0	6.0	7.5	40.14	38.36	37.66	37.13
580-WPN30R48S12-1	WPN30R48S12-1	48	12	2.5	3.0	40.14	38.36	37.66	37.13
580-WPN30R48S15-1	WPN30R48S15-1	48	15	2.0	2.4	40.14	38.36	37.66	37.13

VSX SERIES, 40W QUARTER BRICK DUAL OUTPUT

This series are dual output converters with a 18-36V or 36-75V input. The industry quarter-pak size of 1.5" x 2.3" x 0.5" coupled with high efficiency is an industry high-density breakthrough. For maximum flexibility, power can be traded between outputs as required.

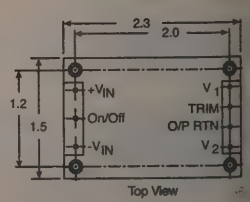
- Low output noise
- Input filtering
- Remote on/off, input side
- Output current limit, self-start
- 1500 VDC isolation, input to output
- Continuous short circuit protection





DIMENSIONS (IN)

cULus VDE CE



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Input Volts	Output 1 V	Output 1 A	Output 2 V	Output 2 A	Price Each 1	5	10	25
580-VSX40MD23	VSX40MD23	48	3.3	12.12	2.5	16	148.80	139.50	130.20	125.55

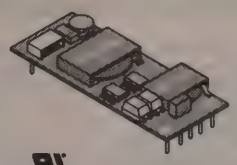
C&D TECHNOLOGIES WPA50R SERIES, 50W EIGHTH BRICK SINGLE OUTPUT

The WPA50R Series is a 50W single output, low-profile DC-DC converter in an industry standard package of 2.3" x 0.9" x 0.35". This series uses unique proprietary technologies to deliver ultra-high efficiencies and excellent thermal performance.

Features:
- 36-75V Input range
- Remote output sense
- Remote On/Off (available in positive or negative logic)
- 1500VDC Isolation voltage
- Output overvoltage protection
- High efficiency - up to 91%
- Industry standard footprint
- Through-Hole and SMT Position Perfect™ models available
- Negative Logic also available - contact a Mouser Service Representative

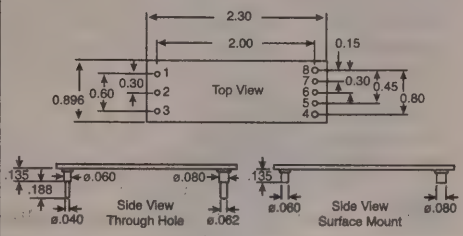
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Input Volts	Output Volts	Output Current (A) Min.	Output Current (A) Max.	Price Each 1	25	50	100
Positive Logic Through Hole									
580-WPA50R48S012	WPA50R48S012	48	1.2	0	18	67.85	64.46	61.46	58.21
580-WPA50R48S015	WPA50R48S015	48	1.5	0	18	67.85	64.46	61.46	58.21
580-WPA50R48S018	WPA50R48S018	48	1.8	0	18	67.85	64.46	61.46	58.21
580-WPA50R48S022	WPA50R48S022	48	2.2	0	18	67.85	64.46	61.46	58.21
580-WPA50R48S025	WPA50R48S025	48	2.5	0	18	67.85	64.46	61.46	58.21
580-WPA50R48S033	WPA50R48S033	48	3.3	0	15	67.85	64.46	61.46	58.21
580-WPA50R48S050	WPA50R48S050	48	5.0	0	10	67.85	64.46	61.46	58.21
Positive Logic Surface Mount									
580-WPA50R48S012-2	WPA50R48S012-2	48	1.2	0	18	67.85	64.46	61.46	58.21
580-WPA50R48S015-2	WPA50R48S015-2	48	1.5	0	18	67.85	64.46	61.46	58.21
580-WPA50R48S018-2	WPA50R48S018-2	48	1.8	0	18	67.85	64.46	61.46	58.21
580-WPA50R48S022-2	WPA50R48S022-2	48	2.2	0	18	67.85	64.46	61.46	58.21
580-WPA50R48S025-2	WPA50R48S025-2	48	2.5	0	18	67.85	64.46	61.46	58.21
580-WPA50R48S033-2	WPA50R48S033-2	48	3.3	0	15	67.85	64.46	61.46	58.21
580-WPA50R48S050-2	WPA50R48S050-2	48	5.0	0	10	67.85	64.46	61.46	58.21



Pin Assignment	
No.	Function
1	+V in
2	On/Off
3	-V in
4	-V out
5	-Sense
6	Trim
7	+Sense
8	+V out

DIMENSIONS (IN)



VKA SERIES, 50W AND 60W SINGLE OUTPUT DC-DC CONVERTERS

The VKA series of DC-DC converters present an economical and practical solution for distributed power system architectures which require high power density and efficiency while maintaining system modularity and upgradeability. With the ability to operate over a wide input voltage range of 18 to 36 and 33 to 75 volts, these modules are ideal for use in battery backup applications common in today's telecommunication and electronic data processing applications. The output is fully isolated from the input, allowing for a variety of polarity and grounding configurations.

VKA50xS Series, 50W

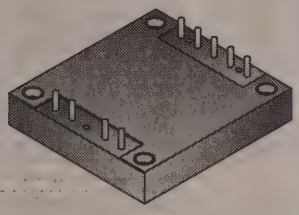
For quantities of 25 and up, call for quote.

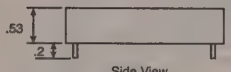
MOUSER STOCK NO.	C&D Part No.	Input Volts	Output Volts	Io (A)	Efficiency (typ.)	Price Each 1	5	10
580-VKA50LS03	VKA50LS03	24	3.3	10.0	81%	90.24	84.60	78.96
580-VKA50LS05	VKA50LS05	24	5.0	10.0	86%	90.24	84.60	78.96
580-VKA50LS12	VKA50LS12	24	12.0	4.2	88%	99.62	93.39	87.16
580-VKA50LS15	VKA50LS15	24	15.0	3.3	89%	99.62	93.39	87.16
580-VKA50LS24	VKA50LS24	24	24.0	2.1	90%	99.62	93.39	87.16
580-VKA50MS03	VKA50MS03	48	3.3	10.0	82%	90.24	84.60	78.96
580-VKA50MS05	VKA50MS05	48	5.0	10.0	87%	90.24	84.60	78.96
580-VKA50MS12	VKA50MS12	48	12.0	4.2	89%	99.62	93.39	87.16
580-VKA50MS15	VKA50MS15	48	15.0	3.3	90%	99.62	93.39	87.16
580-VKA50MS24	VKA50MS24	48	24.0	2.1	90%	99.62	93.39	87.16

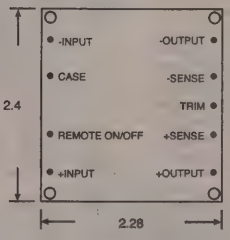
VKA60xS Series, 60W

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Input Volts	Output Volts	Io (A)	Efficiency (typ.)	Price Each 1	5	10
580-VKA60LS03	VKA60LS03	24	3.3	12.0	81%	105.60	99.00	92.40
580-VKA60LS05	VKA60LS05	24	5.0	12.0	86%	105.60	99.00	92.40
580-VKA60LS12	VKA60LS12	24	12.0	5.0	88%	105.60	99.00	92.40
580-VKA60LS15	VKA60LS15	24	15.0	4.0	89%	105.60	99.00	92.40
580-VKA60LS24	VKA60LS24	24	24.0	2.5	90%	105.60	99.00	92.40
580-VKA60MS03	VKA60MS03	48	3.3	12.0	82%	105.60	99.00	92.40
580-VKA60MS05	VKA60MS05	48	5.0	12.0	87%	105.60	99.00	92.40
580-VKA60MS12	VKA60MS12	48	12.0	5.0	89%	105.60	99.00	92.40
580-VKA60MS15	VKA60MS15	48	15.0	4.0	90%	105.60	99.00	92.40
580-VKA60MS24	VKA60MS24	48	24.0	2.5	90%	105.60	99.00	92.40







DIMENSIONS (IN)

Features:
- 18 - 36V and 33 - 75V input range
- Small size: 2.28" x 2.4" x 0.50"
- 420kHz fixed-frequency operation
- Operation to +100°C baseplate temp.
- Adjustable output voltage
- 100µs transient response 50-100% load step
- Remote sense
- Continuous short-circuit protection
- Thermal shutdown
- Case ground pin
- Safety per UL1950, EN 60950

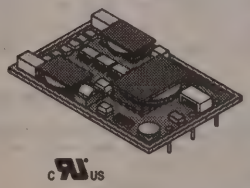
C&D TECHNOLOGIES WPA60R SERIES, 60W QUARTER BRICK DUAL OUTPUT

The WPA60R Series are high performance DC-DC converters providing two independent regulated outputs. For maximum flexibility, power can be traded between outputs as required. The unit delivers high performance across all line and load conditions.

Features:
- 36-75V Input range
- Industry standard pinouts
- Remote On/Off (available in positive or negative logic)
- Independently regulated outputs
- Over current protection
- Over voltage protection
- No minimum load requirements
- Through-Hole and SMT Position Perfect™ models available
- Negative Logic also available - contact a Mouser Service Representative

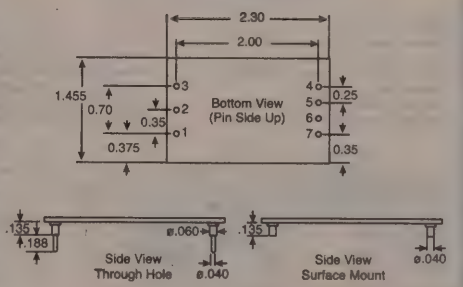
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Input Volts	Output Volts V1	Output Volts V2	Output Current (A) Min.	Output Current (A) Max.	Price Each 1	25	50	100
Positive Logic Through Hole										
580-WPA60R48D1510	WPA60R48D1510	48	1.0	1.5	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D1812	WPA60R48D1812	48	1.2	1.8	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D2215	WPA60R48D2215	48	1.5	2.2	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D2518	WPA60R48D2518	48	1.8	2.5	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D3312	WPA60R48D3312	48	1.2	3.3	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D3318	WPA60R48D3318	48	1.8	3.3	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D3325	WPA60R48D3325	48	2.5	3.3	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D0515	WPA60R48D0515	48	1.5	5.0	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D0533	WPA60R48D0533	48	3.3	5.0	0.0	12.0	89.07	86.26	81.94	78.09
Negative Logic Surface Mount										
580-WPA60R48D1510-2	WPA60R48D1510-2	48	1.0	1.5	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D1812-2	WPA60R48D1812-2	48	1.2	1.8	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D2215-2	WPA60R48D2215-2	48	1.5	2.2	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D2518-2	WPA60R48D2518-2	48	1.8	2.5	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D3312-2	WPA60R48D3312-2	48	1.2	3.3	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D3318-2	WPA60R48D3318-2	48	1.8	3.3	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D3325-2	WPA60R48D3325-2	48	2.5	3.3	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D0515-2	WPA60R48D0515-2	48	1.5	5.0	0.0	12.0	89.07	86.26	81.94	78.09
580-WPA60R48D0533-2	WPA60R48D0533-2	48	3.3	5.0	0.0	12.0	89.07	86.26	81.94	78.09



Pin Assignment	
No.	Function
1	+V in
2	On/Off
3	-V in
4	-V out 1
5	RTN (-V out 1 and -V out 2)
6	Trim
7	V out 2

DIMENSIONS (IN)



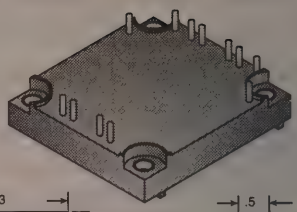
C&D TECHNOLOGIES DC-DC Converters

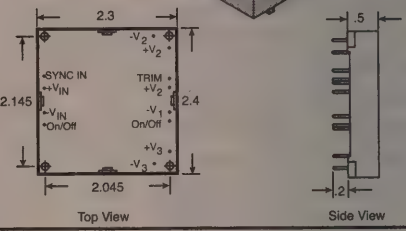
VKP SERIES, 60W DUAL/TRIPLE OUTPUT

This series are multiple output DC-DC converters offered in both a 18-40 and 33-75V input. Their versatile architecture featuring fully isolated channels enables the system designer to utilize the converter in either a single, dual, or triple output scheme without excessive minimum load requirements or cross regulation degradation.

- 18-40 & 33-75V input range
- User configurable as single,dual, or triple output
- Size: 2.3" x 2.4" x 0.5" - Half Brick
- 500VDC channel to channel isolation
- Adjustable output voltage

DIMENSIONS (IN)





For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Input Volts	Output 1 V	Output 1 A	Output 2 V	Output 2 A	Output 3 V	Output 3 A	Price Each 1	5	10
580-VKP60LT312	VKP60LT312	24	±3.3	18	±12	2.5	±12	2.5	152.00	142.50	133.00
580-VKP60LT315	VKP60LT315	24	±3.3	18	±15	2.0	±15	2.0	152.00	142.50	133.00
580-VKP60LT512	VKP60LT512	24	±5.1	12	±12	2.5	±12	2.5	152.00	142.50	133.00
580-VKP60LT515	VKP60LT515	24	±5.0	12	±15	2.0	±15	2.0	152.00	142.50	133.00
580-VKP60MT312	VKP60MT312	48	±3.3	18	±12	2.5	±12	2.5	152.00	142.50	133.00
580-VKP60MT315	VKP60MT315	48	±3.3	18	±15	2.0	±15	2.0	152.00	142.50	133.00
580-VKP60MT512	VKP60MT512	48	±5.1	12	±12	2.5	±12	2.5	152.00	142.50	133.00
580-VKP60MT515	VKP60MT515	48	±5.0	12	±15	2.0	±15	2.0	152.00	142.50	133.00

VKA SERIES, 75W - 150W SINGLE OUTPUT DC-DC CONVERTERS

The VKA series of DC-DC converters present an economical and practical solution for distributed power system architectures which require high power density and efficiency while maintaining system modularity and upgradeability. With the ability to operate over a wide input voltage range of 18 to 36 and 33 to 75 volts, these modules are ideal for use in battery backup applications common in today's telecommunication and electronic data processing applications. The output is fully isolated from the input, allowing for a variety of polarity and grounding configurations.

VKA75xS Series, 75W

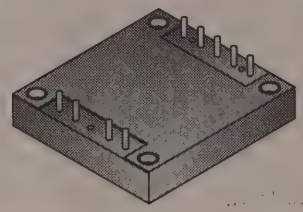
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Input Volts	Output Volts	Io (A)	Efficiency (typ.)	Price Each 1	5	10
580-VKA75LS02	VKA75LS02	24	2.0	15.0	76%	112.91	105.86	98.80
580-VKA75LS03	VKA75LS03	24	3.3	15.0	81%	92.11	86.36	80.60
580-VKA75LS05	VKA75LS05	24	5.0	15.0	86%	92.11	86.36	80.60
580-VKA75LS12	VKA75LS12	24	12.0	6.3	88%	112.91	105.86	98.80
580-VKA75LS15	VKA75LS15	24	15.0	5.0	89%	112.91	105.86	98.80
580-VKA75LS24	VKA75LS24	24	24.0	3.1	90%	112.91	105.86	98.80
580-VKA75MS02	VKA75MS02	48	2.0	15.0	77%	112.91	105.86	98.80
580-VKA75MS03	VKA75MS03	48	3.3	15.0	82%	92.11	86.36	80.60
580-VKA75MS05	VKA75MS05	48	5.0	15.0	87%	92.11	86.36	80.60
580-VKA75MS12	VKA75MS12	48	12.0	6.3	89%	112.91	105.86	98.80
580-VKA75MS15	VKA75MS15	48	15.0	5.0	90%	112.91	105.86	98.80
580-VKA75MS24	VKA75MS24	48	24.0	3.1	90%	112.91	105.86	98.80

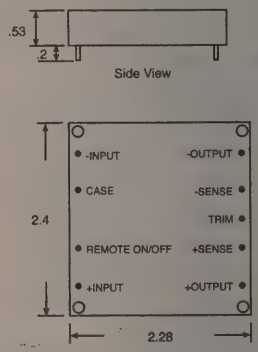
VKA100xS Series, 100W

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Input Volts	Output Volts	Io (A)	Efficiency (typ.)	Price Each 1	5	10
580-VKA100LS02	VKA100LS02	24	2.0	20.0	76%	115.73	108.50	101.26
580-VKA100LS02F	VKA100LS02F	24	2.0	30.0	74%	115.73	108.50	101.26
580-VKA100LS2V5F	VKA100LS2V5F	24	2.5	30.0	76%	115.73	108.50	101.26
580-VKA100LS03	VKA100LS03	24	3.3	20.0	81%	115.73	108.50	101.26
580-VKA100LS03F	VKA100LS03F	24	3.3	30.0	81%	115.73	108.50	101.26
580-VKA100LS05	VKA100LS05	24	5.0	20.0	86%	115.73	108.50	101.26
580-VKA100LS12	VKA100LS12	24	12.0	8.3	88%	115.73	108.50	101.26
580-VKA100LS15	VKA100LS15	24	15.0	6.7	89%	115.73	108.50	101.26
580-VKA100LS24	VKA100LS24	24	24.0	4.2	90%	115.73	108.50	101.26
580-VKA100MS02	VKA100MS02	48	2.0	20.0	77%	115.73	108.50	101.26
580-VKA100MS02F	VKA100MS02F	48	2.0	30.0	75%	115.73	108.50	101.26
580-VKA100MS2V5F	VKA100MS2V5F	48	2.5	30.0	78%	115.73	108.50	101.26
580-VKA100MS03	VKA100MS03	48	3.3	20.0	82%	115.73	108.50	101.26
580-VKA100MS03F	VKA100MS03F	48	3.3	30.0	82%	115.73	108.50	101.26
580-VKA100MS05	VKA100MS05	48	5.0	20.0	87%	115.73	108.50	101.26
580-VKA100MS12	VKA100MS12	48	12.0	8.3	89%	115.73	108.50	101.26
580-VKA100MS15	VKA100MS15	48	15.0	6.7	90%	115.73	108.50	101.26
580-VKA100MS24	VKA100MS24	48	24.0	4.2	90%	115.73	108.50	101.26



DIMENSIONS (IN)



Features:

- 18 - 36V and 33 - 75V input range
- Small size: 2.28" x 2.4" x 0.50"
- 420kHz fixed-frequency operation
- Operation to +100°C baseplate temp.
- Adjustable output voltage
- 100μs transient response 50-100% load step
- Remote sense
- Continuous short-circuit protection
- Thermal shutdown
- Case ground pin
- Safety per UL1950, EN 60950

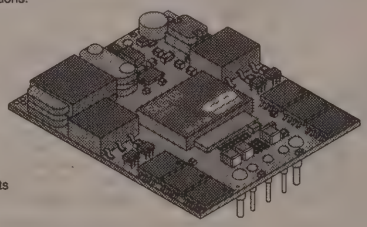
VKA150MS, 150W

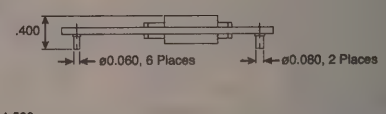
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Input Volts	Output Volts	Io (A)	Efficiency (typ.)	Price Each 1	5	10
580-VKA150MS05	VKA150MS05	48	5.0	30.0	85%	132.00	123.75	115.50
580-VKA150MS12	VKA150MS12	48	12.0	12.5	89%	132.00	123.75	115.50
580-VKA150MS15	VKA150MS15	48	15.0	10.0	89%	132.00	123.75	115.50

C&D TECHNOLOGIES SLC100 SERIES, 40A QUARTER BRICK SINGLE OUTPUT

The SLC100 Series is a 40 Amp single output, low profile DC-DC converter in an industry standard package of 2.3" x 1.45" x 0.40". This high quality and highly reliable product is an ideal solution for distributed power, telecoms and datacom applications.



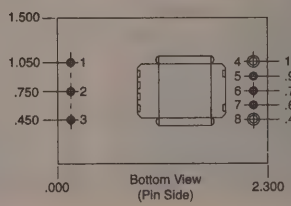


Features:

- Industry standard footprint & size - 2.3" x 1.45" x 0.40"
- Wide input voltage range - 36~75VDC
- Output trim function
- Remote Sense for output compensation
- No heatsink required
- Output current limit
- No minimum load required
- Fixed frequency operation
- UL/CUL 60950 recognized
- Meets TNV-SELV isolation requirements
- 2000VDC isolation voltage

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Input Volts	Output Volts	Output Current	Price Each 1	25	50	100
580-SLC100-2	SLC100-2	48V	1.2V	40A	80.99	78.41	76.66	72.12
580-SLC100-3	SLC100-3	48V	1.5V	40A	80.99	78.41	76.66	72.12
580-SLC100-4	SLC100-4	48V	1.8V	40A	80.99	78.41	76.66	72.12
580-SLC100-5	SLC100-5	48V	2.0V	40A	80.99	78.41	76.66	72.12



Pin Assignment No.	Function
1	+V in
2	On/Off
3	-V in
4	-V out
5	-Sense
6	Trim
7	+Sense
8	+V out

C&D Technologies

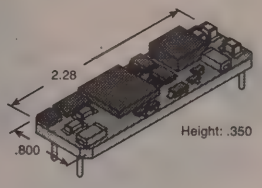
DC-DC Converters

C&D TECHNOLOGIES CPS DC-DC Converters

E-CLASS 10-20A EIGHTH-BRICK ISOLATED SINGLE OUTPUT

- Negative logic
- Input range: 36-75V
- Isolated voltage: 1.5kVdc
- Monotonic start-up into pre-biased load
- µProcessor-controlled supervisory function
- Positive enable logic models and Surface Mount versions available- contact a Mouser Service Representative

DIMENSIONS (IN.)



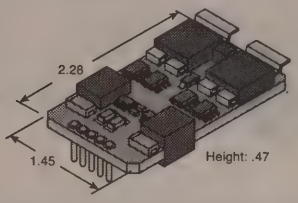
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D CPS Part No.	Output Power	Input Voltage	Output Voltage	Output Current	Price Each			
						1	5	10	25
580-EHS10-050-0C	EHS10-050-0C	50W	48V	5V	10A	49.48	49.23	48.89	48.34
580-EHS15-033-0C	EHS15-033-0C	50W	48V	3.3V	15A	49.48	49.23	48.89	48.34
580-EHS20-012-0C	EHS20-012-0C	24W	48V	1.2V	20A	52.18	51.92	51.55	50.98
580-EHS20-015-0C	EHS20-015-0C	30W	48V	1.5V	20A	52.18	51.92	51.55	50.98
580-EHS20-018-0C	EHS20-018-0C	36W	48V	1.8V	20A	52.18	51.92	51.55	50.98
580-EHS20-025-0C	EHS20-025-0C	50W	48V	2.5V	20A	52.18	51.92	51.55	50.98

Q-CLASS 12-55A QUARTER-BRICK ISOLATED SINGLE OUTPUT

- Negative logic
- Input range: 36-75V
- Isolated voltage: 1.5kVdc
- Thermal and overload protection
- Positive enable logic models and Surface Mount versions available- contact a Mouser Service Representative

DIMENSIONS (IN.)



For quantities of 50 and up, call for quote.

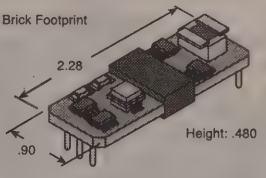
MOUSER STOCK NO.	C&D CPS Part No.	Output Power	Input Voltage	Output Voltage	Output Current	Price Each			
						1	5	10	25
580-QHS12-120-0C	QHS12-120-0C	144W	48V	12V	12A	78.41	78.02	77.47	76.61
580-QHS35-033-0C	QHS35-033-0C	116W	48V	3.3V	35A	78.41	78.02	77.47	76.61
580-QHS40-025-0C	QHS40-025-0C	100W	48V	2.5V	40A	78.41	78.02	77.47	76.61
580-QHS50-015-0C	QHS50-015-0C	75W	48V	1.5V	50A	78.41	78.02	77.47	76.61
580-QHS50-018-0C	QHS50-018-0C	90W	48V	1.8V	50A	78.41	78.02	77.47	76.61
580-QHS55-012-0C	QHS55-012-0C	66W	48V	1.2V	55A	78.41	78.02	77.47	76.61

IBA-INTERMEDIATE BUS CONVERTERS

- Negative logic
- 4:1, 5:1, 6:1 fixed conversion ratios
- Over temperature and over current protection

DIMENSIONS (IN.)

1/8 Brick Footprint



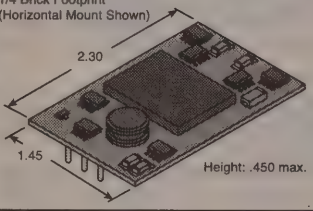
1/8 Brick Footprint

- Isolated voltage: 2.25kVdc
- Input range: 36-55V

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D CPS Part No.	Output Power	Input Voltage	Output Voltage	Output Current	Price Each			
						1	5	10	25
580-EUS15-120-NHCR	EUS15-120-NHCR	180W	48V	12V	15A	37.99	37.80	37.53	37.12
580-EUS20-120-NHCR	EUS20-120-NHCR	240W	48V	12V	20A	44.35	44.13	43.82	43.33
580-EUS25-096-NHCR	EUS25-096-NHCR	240W	48V	9.6V	25A	47.06	46.82	46.50	45.98
580-EUS30-080-NHCR	EUS30-080-NHCR	240W	48V	8V	30A	47.06	46.82	46.50	45.98

1/4 Brick Footprint
(Horizontal Mount Shown)



1/4 Brick Footprint

- Isolated voltage: 2kVdc
- Input range: 36-55V

For quantities of 50 and up, call for quote.

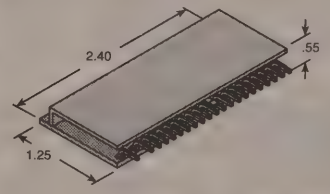
MOUSER STOCK NO.	C&D CPS Part No.	Output Power	Input Voltage	Output Voltage	Output Current	Price Each			
						1	5	10	25
580-QUS20-120-NHDR	QUS20-120-NHDR	240W	48V	12V	20A	56.79	56.51	56.11	55.48
*580-QUS20-120-NVDR	QUS20-120-NVDR	240W	48V	12V	20A	56.79	56.51	56.11	55.48

* Vertical mount

NON-ISOLATED POINT-OF-LOAD MEMORY SUPPORT CONVERTERS

- Remote sense
- Output enable
- Vertical mount
- Not fuse protected
- Memory Spec: DDR1
- Input range: 10.8-12.6V
- Memory Spec: DDR1
- Input range: 10.8-12.6V
- Resistor programmable output range

DIMENSIONS (IN.)



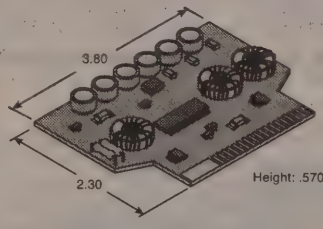
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D CPS Part No.	Output Power	Input Voltage	Output Voltage	Output Current	Price Each			
						1	5	10	25
580-VCN25-025V	VCN25-025V	100W	12V	2.5-5V	25A	23.65	23.53	23.37	23.11

VRM9.1 32-BIT PROCESSOR SUPPORT

- High efficiency
- Input fuse protection
- Card edge connector
- Short circuit protection
- Remote sense and enable
- Input range: 11.04-12.6V
- Active current sharing within 10%
- Wide range programmable output
- Meets VRM 9.1 requirements

DIMENSIONS (IN.)



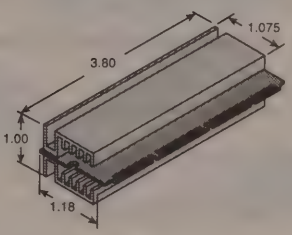
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D CPS Part No.	Output Power	Input Voltage	Output Voltage	Output Current	Price Each			
						1	5	10	25
580-VR091B080CS	VR091B080CS	148W	12V	1.075-1.85V	80A	42.30	42.09	41.79	41.33

VRM 10.1/10.2 PROCESSOR SUPPORT

- 1U form factor
- Remote enable
- Meets VRM 10.1 and 10.2 requirements
- DAC programmable output voltage

DIMENSIONS (IN.)



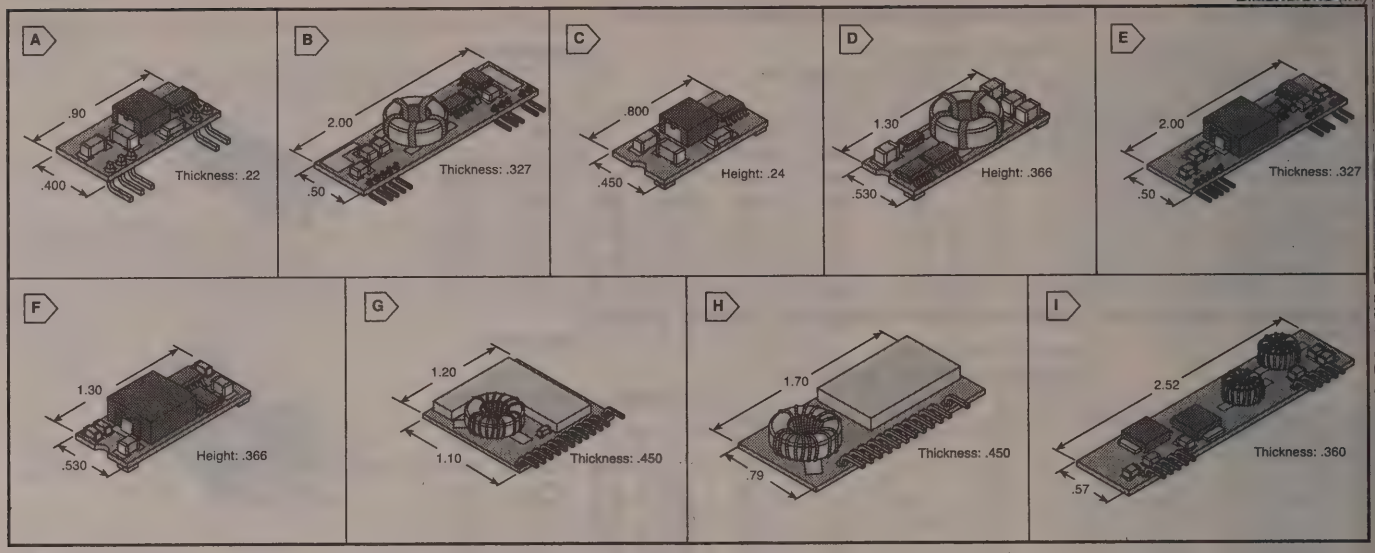
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D CPS Part No.	Output Power	Input Voltage	Output Voltage	Output Current	Price Each			
						1	5	10	25
580-VR102B150CU	VR102B150CU	240W	12V	0.8375-1.6V	150A	46.79	46.56	46.23	45.71

C&D TECHNOLOGIES CPS DC-DC Converters

C&D TECHNOLOGIES

DIMENSIONS (IN.)



C&D TECHNOLOGIES VOLANT NON-ISOLATED POINT-OF-LOAD SERIES

- High reliability
- Pre-Bias monotonic start
- Positive or negative enable logic available
- Over temperature and over current protection
- Output voltage programmable by an external resistor
- CSA C22.2, No. 60950/UL 60950 Approvals

NCA Series • Input: 5V (3-5.5V)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D CPS Part No.	Fig	Output Power	Output Voltage	Io (mA)	Price Each 1	5	10
SIP († Negative Logic, * Positive Logic)								
† 580-NCA0051330B0	NCA0051330B0	A	16.5W	0.75-3.3V	5A	11.49	11.43	11.35
* 580-NCA0151331B0	NCA0151331B0	B	50W	0.75-3.3V	15A	19.61	19.51	19.37
Surface Mount († Negative Logic, * Positive Logic)								
† 580-NCA0051330S0	NCA0051330S0	C	16.5W	0.75-3.3V	5A	10.95	10.90	10.82
* 580-NCA0151331S0	NCA0151331S0	D	50W	0.75-3.3V	15A	18.93	18.84	18.70

NEA Series • Input: 12V (8.3-14V)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D CPS Part No.	Fig	Output Power	Output Voltage	Io (mA)	Price Each 1	5	10
Positive Logic SIP								
580-NEA0051501B0	NEA0051501B0	A	25W	0.75-5V	5A	11.49	11.43	11.35
580-NEA0101501B0	NEA0101501B0	E	50W	0.75-5V	10A	17.45	17.36	17.24
580-NEA0161501B0	NEA0161501B0	E	80W	0.75-5V	16A	19.61	19.51	19.37
Positive Logic Surface Mount								
580-NEA0051501S0	NEA0051501S0	C	25W	0.75-5V	5A	10.95	10.90	10.82
580-NEA0101501S0	NEA0101501S0	F	50W	0.75-5V	10A	15.55	15.47	15.36
580-NEA0161501S0	NEA0161501S0	F	80W	0.75-5V	16A	18.93	18.84	18.70

NFA Series • Input 12V (6-14V)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D CPS Part No.	Fig	Output Power	Output Voltage	Io (mA)	Price Each 1	5	10
Positive Logic SIP								
580-NFA0101501B0	NFA0101501B0	E	50W	0.75-5V	10A	18.26	18.17	18.04
580-NFA0161501B0	NFA0161501B0	E	80W	0.75-5V	16A	20.29	20.19	20.05
Positive Logic Surface Mount								
580-NFA0101501S0	NFA0101501S0	F	50W	0.75-5V	10A	18.26	18.17	18.04
580-NFA0161501S0	NFA0161501S0	F	80W	0.75-5V	16A	20.29	20.19	20.05

NCF Series • Input: 5V (3-5.5V)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D CPS Part No.	Fig	Output Power	Output Voltage	Io (mA)	Price Each 1	5	10
Negative Logic SIP								
580-NCF0100100B0	NCF0100100B0	B	10W	1V	10A	17.45	17.36	17.24
580-NCF0100120B0	NCF0100120B0	B	12W	1.2V	10A	17.45	17.36	17.24
580-NCF0100180B0	NCF0100180B0	B	18W	1.8V	10A	17.45	17.36	17.24
580-NCF0100200B0	NCF0100200B0	B	20W	2V	10A	17.45	17.36	17.24
580-NCF0100250B0	NCF0100250B0	B	25W	2.5V	10A	17.45	17.36	17.24
580-NCF0100330B0	NCF0100330B0	B	33W	3.3V	10A	17.45	17.36	17.24

NEF Series • Input 12V (8-14V)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D CPS Part No.	Fig	Output Power	Output Voltage	Io (mA)	Price Each 1	5	10
Positive Logic SIP								
580-NEF0100101B0	NEF0100101B0	E	10W	1V	10A	17.45	17.36	17.24
580-NEF0100121B0	NEF0100121B0	E	12W	1.2V	10A	17.45	17.36	17.24
580-NEF0100151B0	NEF0100151B0	E	15W	1.5V	10A	17.45	17.36	17.24
580-NEF0100181B0	NEF0100181B0	E	18W	1.8V	10A	17.45	17.36	17.24
580-NEF0100201B0	NEF0100201B0	E	20W	2V	10A	17.45	17.36	17.24
580-NEF0100251B0	NEF0100251B0	E	25W	2.5V	10A	17.45	17.36	17.24
580-NEF0100331B0	NEF0100331B0	E	33W	3.3V	10A	17.45	17.36	17.24
580-NEF0100501B0	NEF0100501B0	E	50W	5V	10A	17.45	17.36	17.24
Positive Logic Surface Mount								
580-NEF0100101S0	NEF0100101S0	F	10W	1V	10A	15.55	15.47	15.36
580-NEF0100121S0	NEF0100121S0	F	12W	1.2V	10A	15.55	15.47	15.36
580-NEF0100151S0	NEF0100151S0	F	15W	1.5V	10A	15.55	15.47	15.36
580-NEF0100181S0	NEF0100181S0	F	18W	1.8V	10A	15.55	15.47	15.36
580-NEF0100201S0	NEF0100201S0	F	20W	2V	10A	15.55	15.47	15.36
580-NEF0100251S0	NEF0100251S0	F	25W	2.5V	10A	15.55	15.47	15.36
580-NEF0100331S0	NEF0100331S0	F	33W	3.3V	10A	15.55	15.47	15.36
580-NEF0100501S0	NEF0100501S0	F	50W	5V	10A	15.55	15.47	15.36

C&D TECHNOLOGIES POSTAGE STAMP CONVERTERS NON-ISOLATED POINT-OF-LOAD

- Not fuse protected
- Load regulation ±0.5%
- Back Bias protection
- Vertical top side pins
- Short circuit protection
- Output voltage programmable by an external resistor
- Horizontal mount available contact a Mouser Service Representative

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D CPS Part No.	Fig	Output Power	Input Voltage Nom.	Input Voltage Range	Output Voltage	Output Current	Efficiency	Price Each 1	5	10	25
580-S016-1220120FB	S016-1220120-FB	G	45W	12V	10.8-12.6V	1.2-5.0V	16A	90%	17.58	17.49	17.37	17.18
580-S020-1220120FB	S020-1220120-FB	H	55W	12V	10.8-12.6V	1.2-5.0V	20A	93%	19.61	19.51	19.37	19.16

C&D TECHNOLOGIES 1ST GENERATION SIP'S NON-ISOLATED POINT-OF-LOAD

- Not fuse protected
- Vertical top side pins
- MTBF 8.11 million hours
- Regulation ± 0.4% Line and Load
- industry standard pin configuration

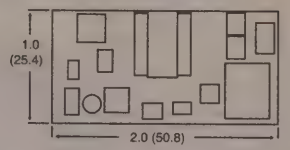
For quantities of 50 and up, call for quote.

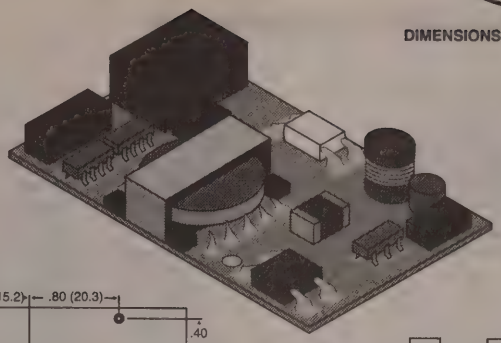
MOUSER STOCK NO.	C&D CPS Part No.	Fig	Output Power	Input Voltage Nom.	Input Voltage Range	Output Voltage	Output Current	Efficiency	Price Each 1	5	10	25
580-SBST-03205007B	SBST-0320500-7B	I	25W	3.3V	3-3.6V	5V	5A	80%	22.30	22.19	22.03	21.79

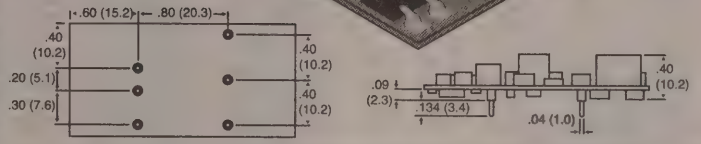
CINCON EC8B SERIES, 10.8 TO 15W OUTPUT

DIMENSIONS: IN (mm)

Features:
- 10.8-15W Isolated Output
- Short Circuit Protection: Continuous
- Efficiency to 87%
- PI Input Filter
- 300KHz Switching Frequency
- Open Frame
- 2:1 Input Range
- Dimensions: 2.0 x 1.0 x 0.4 inches
- Regulated Outputs





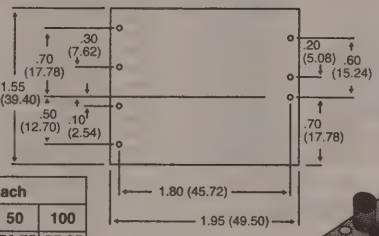


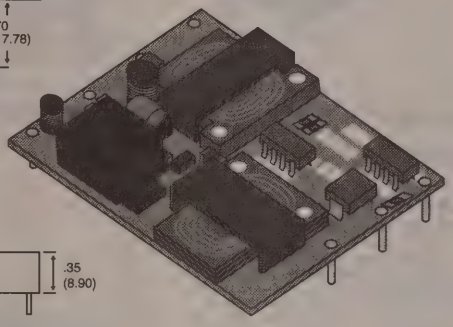
MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (A)	Price Each 1	10	50	100
418-EC8B-24S18	EC8B-24S18	18-36	1.8	6	48.95	46.50	44.25	41.95
418-EC8B-24S25	EC8B-24S25	18-36	2.5	6	48.95	46.50	44.25	41.95
418-EC8B-24S33	EC8B-24S33	18-36	3.3	4.5	48.95	46.50	44.25	41.95
418-EC8B-24S05	EC8B-24S05	18-36	5.0	3	48.95	46.50	44.25	41.95
418-EC8B-48S18	EC8B-48S18	36-75	1.8	6	48.95	46.50	44.25	41.95
418-EC8B-48S25	EC8B-48S25	36-75	2.5	6	48.95	46.50	44.25	41.95
418-EC8B-48S33	EC8B-48S33	36-75	3.3	4.5	48.95	46.50	44.25	41.95
418-EC8B-48S05	EC8B-48S05	36-75	5.0	3	48.95	46.50	44.25	41.95

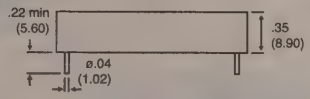
CINCON EC2SC SERIES, 14.4 TO 25W OUTPUT

DIMENSIONS: IN (mm)

Features:
- 14.4-25W Isolated Output
- Short Circuit Protection: Continuous
- Efficiency to 91%
- Industry Standard Pinout
- Fixed 300KHz Switching Frequency
- Open Frame
- 2:1 Input Range
- Dimensions: 1.95 x 1.55 x 0.35 inches
- Regulated Outputs





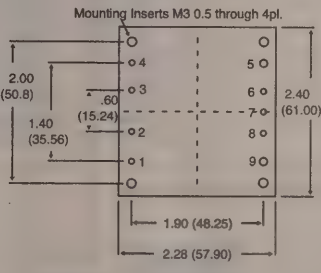


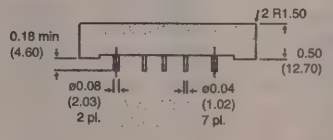
MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (A)	Price Each 1	10	50	100
418-EC2SC-24S18	EC2SC-24S18	18-36	1.8	8	64.95	61.75	58.75	55.95
418-EC2SC-24S25	EC2SC-24S25	18-36	2.5	8	64.95	61.75	58.75	55.95
418-EC2SC-24S33	EC2SC-24S33	18-36	3.3	6	64.95	61.75	58.75	55.95
418-EC2SC-24S05	EC2SC-24S05	18-36	5.0	5	64.95	61.75	58.75	55.95
418-EC2SC-24S12	EC2SC-24S12	18-36	12	2	64.95	61.75	58.75	55.95
418-EC2SC-24S15	EC2SC-24S15	18-36	15	1.6	64.95	61.75	58.75	55.95
418-EC2SC-48S18	EC2SC-48S18	36-75	1.8	8	64.95	61.75	58.75	55.95
418-EC2SC-48S25	EC2SC-48S25	36-75	2.5	8	64.95	61.75	58.75	55.95
418-EC2SC-48S33	EC2SC-48S33	36-75	3.3	6	64.95	61.75	58.75	55.95
418-EC2SC-48S05	EC2SC-48S05	36-75	5.0	5	64.95	61.75	58.75	55.95
418-EC2SC-48S12	EC2SC-48S12	36-75	12	2	64.95	61.75	58.75	55.95
418-EC2SC-48S15	EC2SC-48S15	36-75	15	1.6	64.95	61.75	58.75	55.95

CINCON CHB50W SERIES, 25 TO 50W OUTPUT

DIMENSIONS: IN (mm)

Features:
- 25-50W Isolated Output
- Short Circuit Protection: Continuous
- Efficiency to 84%
- Industry Standard Half-Brick Package
- 300KHz Switching Frequency
- Five-Sided Metal Case
- 4:1 Input Range
- Regulated Outputs

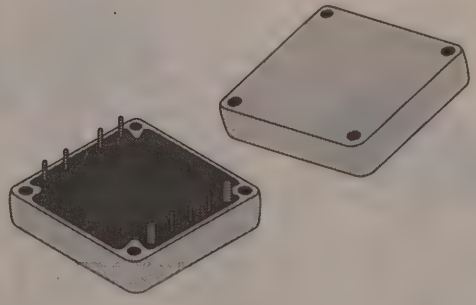




MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (A)	Price Each 1	10	50	100
418-CHB50W-24S3V3	CHB50W-24S3V3	9-36	3.3	10	92.79	86.39	76.78	67.19
418-CHB50W-24S05	CHB50W-24S05	9-36	5	10	92.79	86.39	76.78	67.19
418-CHB50W-24S12	CHB50W-24S12	9-36	12	4.16	92.79	86.39	76.78	67.19
418-CHB50W-24S15	CHB50W-24S15	9-36	15	3.33	92.79	86.39	76.78	67.19
418-CHB50W-24S24	CHB50W-24S24	9-36	24	2.08	92.79	86.39	76.78	67.19
418-CHB50W-48S3V3	CHB50W-48S3V3	18-75	3.3	10	92.79	86.39	76.78	67.19
418-CHB50W-48S05	CHB50W-48S05	18-75	5	10	92.79	86.39	76.78	67.19
418-CHB50W-48S12	CHB50W-48S12	18-75	12	4.16	92.79	86.39	76.78	67.19
418-CHB50W-48S15	CHB50W-48S15	18-75	15	3.33	92.79	86.39	76.78	67.19
418-CHB50W-48S24	CHB50W-48S24	18-75	24	2.08	92.79	86.39	76.78	67.19

CINCON CHB75W SERIES, 37.5 TO 75W OUTPUT

Features:
- 37.5-75W Isolated Output
- Short Circuit Protection: Continuous
- Efficiency to 84%
- Industry Standard Half-Brick Package
- 300KHz Switching Frequency
- Five-Sided Metal Case
- 4:1 Input Range
- Regulated Outputs



MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (A)	Price Each 1	10	50	100
418-CHB75W-48S3V3	CHB75W-48S3V3	18-75	3.3	15	106.99	99.62	88.55	77.49
418-CHB75W-48S05	CHB75W-48S05	18-75	5	15	106.99	99.62	88.55	77.49
418-CHB75W-48S12	CHB75W-48S12	18-75	12	6.25	106.99	99.62	88.55	77.49
418-CHB75W-48S15	CHB75W-48S15	18-75	15	5	106.99	99.62	88.55	77.49

CINCON 1.5 WATT DC-DC CONVERTER

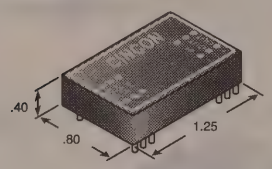
EC2A

Specifications:

- Efficiency: 50%
- Isolation Capacitance: 30pF
- Isolation Resistance: 10^9 (Ω)
- Switching Frequency: 20KHz, min
- Operating Temperature Range: -25°C to + 71°C
- Case Temperature: (Plastic case) 95°C max. (Copper case) 100°C max.
- Cooling: Free-Air Convection
- Storage Temperature Range: -40°C to + 100°C

Features:

- 24-Pin DIP Package
- Regulated Outputs
- 50% Efficiency
- Pi Input Filter
- Low Ripple and Noise
- Black coated copper with non-conductive base



For quantities of 200 and up, call for quote

MOUSER STOCK NO.	Cincon Part No.	Output	Input Voltage	Output Voltage	Output Current	Input Current		Case	Price Each			
						No Load	Full Load		1	10	50	100
418-EC2A01	EC2A01M	Single	5 VDC	5 VDC	300 mA	110 mA	620 mA	A	13.14	11.91	11.09	9.86
418-EC2A02	EC2A02M	Single	5 VDC	12 VDC	125 mA	110 mA	550 mA	A	13.14	11.91	11.09	9.86
418-EC2A03	EC2A03M	Single	5 VDC	15 VDC	100 mA	110 mA	550 mA	A	13.14	11.91	11.09	9.86
418-EC2A11	EC2A11M	Single	12 VDC	5 VDC	300 mA	40 mA	260 mA	A	13.14	11.91	11.09	9.86
418-EC2A12	EC2A12M	Single	12 VDC	12 VDC	125 mA	40 mA	215 mA	A	13.14	11.91	11.09	9.86
418-EC2A13	EC2A13M	Single	12 VDC	15 VDC	100 mA	40 mA	215 mA	A	13.14	11.91	11.09	9.86
418-EC2A21	EC2A21M	Single	24 VDC	5 VDC	300 mA	20 mA	130 mA	A	13.14	11.91	11.09	9.86
418-EC2A22	EC2A22M	Single	24 VDC	12 VDC	125 mA	20 mA	115 mA	A	13.14	11.91	11.09	9.86
418-EC2A23	EC2A23M	Single	24 VDC	15 VDC	100 mA	20 mA	115 mA	A	13.14	11.91	11.09	9.86
418-EC2A31	EC2A31M	Single	28 VDC	5 VDC	300 mA	20 mA	110 mA	A	13.14	11.91	11.09	9.86
418-EC2A32	EC2A32M	Single	28 VDC	12 VDC	125 mA	20 mA	100 mA	A	13.14	11.91	11.09	9.86
418-EC2A33	EC2A33M	Single	28 VDC	15 VDC	100 mA	20 mA	100 mA	A	13.14	11.91	11.09	9.86
418-EC2A41	EC2A41M	Single	48 VDC	5 VDC	300 mA	15 mA	65 mA	A	13.14	11.91	11.09	9.86
418-EC2A42	EC2A42M	Single	48 VDC	12 VDC	125 mA	15 mA	60 mA	A	13.14	11.91	11.09	9.86
418-EC2A43	EC2A43M	Single	48 VDC	15 VDC	100 mA	15 mA	60 mA	A	13.14	11.91	11.09	9.86
418-EC2A04	EC2A04M	Dual	5 VDC	±12 VDC	±60 mA	110 mA	550 mA	A	14.54	13.17	12.26	10.90
418-EC2A05	EC2A05M	Dual	5 VDC	±15 VDC	±50 mA	110 mA	550 mA	A	14.54	13.17	12.26	10.90
418-EC2A14	EC2A14M	Dual	12 VDC	±12 VDC	±60 mA	40 mA	215 mA	A	14.54	13.17	12.26	10.90
418-EC2A15	EC2A15M	Dual	12 VDC	±15 VDC	±50 mA	40 mA	215 mA	A	14.54	13.17	12.26	10.90
418-EC2A24	EC2A24M	Dual	24 VDC	±12 VDC	±60 mA	20 mA	115 mA	A	14.54	13.17	12.26	10.90
418-EC2A25	EC2A25M	Dual	24 VDC	±15 VDC	±50 mA	20 mA	115 mA	A	14.54	13.17	12.26	10.90
418-EC2A34	EC2A34M	Dual	28 VDC	±12 VDC	±60 mA	20 mA.	100 mA	A	14.54	13.17	12.26	10.90
418-EC2A35	EC2A35M	Dual	28 VDC	±15 VDC	±50 mA	20 mA	100 mA	A	14.54	13.17	12.26	10.90
418-EC2A44	EC2A44M	Dual	48 VDC	±12 VDC	±60 mA	15 mA	60 mA	A	14.54	13.17	12.26	10.90
418-EC2A45	EC2A45M	Dual	48 VDC	±15 VDC	±50 mA	15 mA	60 mA	A	14.54	13.17	12.26	10.90

CINCON 1.0 TO 1.5 WATT DC-DC CONVERTERS

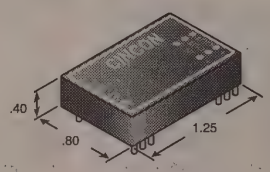
EC2AN

Specifications:

- Efficiency: 60%~80%
- Isolation Capacitance: 30pF
- Isolation Resistance: 10^9 (Ω)
- Switching Frequency: 20KHz, min
- Operating Temperature Range: -25°C to + 71°C
- Case Temperature: (Plastic case) 95°C max. (Copper case) 100°C max.
- Cooling: Free-Air Convection
- Storage Temperature Range: -40°C to + 100°C

Features:

- 24-Pin DIP Package
- Pi Input Filter
- Unregulated Outputs
- Low Ripple and Noise
- Black coated copper with non-conductive base



For quantities of 200 and up, call for quote.

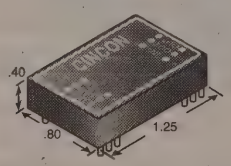
MOUSER STOCK NO.	Cincon Part No.	Output	Input Voltage	Output Voltage	Output Current	Input Current		Case	Price Each			
						No Load	Full Load		1	10	50	100
418-EC2A01N	EC2A01NM	Single	5 VDC	5VDC	220 mA	115 mA	330 mA	A	12.02	10.89	10.14	9.01
418-EC2A02N	EC2A02NM	Single	5 VDC	12VDC	125 mA	115 mA	420 mA	A	12.02	10.89	10.14	9.01
418-EC2A03N	EC2A03NM	Single	5 VDC	15 VDC	100 mA	115 mA	420 mA	A	12.02	10.89	10.14	9.01
418-EC2A11N	EC2A11NM	Single	12 VDC	5VDC	220 mA	45 mA	120 mA	A	12.02	10.89	10.14	9.01
418-EC2A12N	EC2A12NM	Single	12 VDC	12VDC	125 mA	45 mA	164 mA	A	12.02	10.89	10.14	9.01
418-EC2A13N	EC2A13NM	Single	12 VDC	15 VDC	100 mA	45 mA	164 mA	A	12.02	10.89	10.14	9.01
418-EC2A04N	EC2A04NM	Dual	5 VDC	±12 VDC	±62 mA	115 mA	420 mA	A	13.38	12.12	11.29	10.03
418-EC2A05N	EC2A05NM	Dual	5 VDC	±15 VDC	±50 mA	115 mA	420 mA	A	13.38	12.12	11.29	10.03
418-EC2A14N	EC2A14NM	Dual	12 VDC	±12 VDC	±62 mA	45 mA	164 mA	A	13.38	12.12	11.29	10.03
418-EC2A15N	EC2A15NM	Dual	12 VDC	±15 VDC	±50 mA	45 mA	164 mA	A	13.38	12.12	11.29	10.03

CINCON 3 WATT DC-DC CONVERTERS

EC3AE

Specifications:

- Isolation Capacitance: 150pF Typ.
- Isolation Resistance: 10^9 (Ω)
- Switching Frequency: 80KHz, Typ.
- Operating Temperature Range: -25°C to + 71°C
- Case Temperature: 100°C max.
- Cooling: Free-Air Convection
- Storage Temperature Range: -40°C to + 100°C



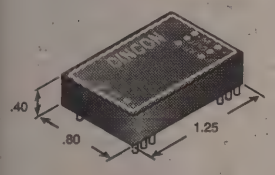
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Output	Input Voltage	Output Voltage	Output Current	Input Current		% Eff.	Case	Price Each			
						No Load	Full Load			1	10	50	100
418-EC3AE01M	EC3AE01M	Single	5 VDC	5 VDC	600 mA	120 mA	984 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE02M	EC3AE02M	Single	5 VDC	12 VDC	250 mA	120 mA	984 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE03M	EC3AE03M	Single	5 VDC	15 VDC	200 mA	120 mA	984 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE11M	EC3AE11M	Single	12 VDC	5 VDC	600 mA	60 mA	410 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE12M	EC3AE12M	Single	12 VDC	12 VDC	250 mA	60 mA	410 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE13M	EC3AE13M	Single	12 VDC	15 VDC	200 mA	60 mA	410 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE21M	EC3AE21M	Single	24 VDC	5 VDC	600 mA	40 mA	205 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE22M	EC3AE22M	Single	24 VDC	12 VDC	250 mA	40 mA	205 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE23M	EC3AE23M	Single	24 VDC	15 VDC	200 mA	40 mA	205 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE31M	EC3AE31M	Single	28 VDC	5 VDC	600 mA	35 mA	176 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE32M	EC3AE32M	Single	28 VDC	12 VDC	250 mA	35 mA	176 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE33M	EC3AE33M	Single	28 VDC	15 VDC	200 mA	35 mA	176 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE41M	EC3AE41M	Single	48 VDC	5 VDC	600 mA	20 mA	102 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE42M	EC3AE42M	Single	48 VDC	12 VDC	250 mA	20 mA	102 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE43M	EC3AE43M	Single	48 VDC	15 VDC	200 mA	20 mA	102 mA	61	A	13.65	12.37	11.52	10.24
418-EC3AE44M	EC3AE44M	Dual	48 VDC	±12 VDC	±125 mA	20 mA	102 mA	61	A	15.39	13.94	12.98	11.54
418-EC3AE45M	EC3AE45M	Dual	48 VDC	±15 VDC	±100 mA	20 mA	102 mA	61	A	15.39	13.94	12.98	11.54
418-EC3AE04M	EC3AE04M	Dual	5 VDC	±12 VDC	±125 mA	120 mA	984 mA	61	A	15.39	13.94	12.98	11.54
418-EC3AE05M	EC3AE05M	Dual	5 VDC	±15 VDC	±100 mA	120 mA	984 mA	61	A	15.39	13.94	12.98	11.54
418-EC3AE14M	EC3AE14M	Dual	12 VDC	±12 VDC	±125 mA	60 mA	410 mA	61	A	15.39	13.94	12.98	11.54
418-EC3AE15M	EC3AE15M	Dual	12 VDC	±15 VDC	±100 mA	60 mA	410 mA	61	A	15.39	13.94	12.98	11.54
418-EC3AE24M	EC3AE24M	Dual	24 VDC	±12 VDC	±125 mA	40 mA	205 mA	61	A	15.39	13.94	12.98	11.54
418-EC3AE25M	EC3AE25M	Dual	24 VDC	±15 VDC	±100 mA	40 mA	205 mA	61	A	15.39	13.94	12.98	11.54
418-EC3AE34M	EC3AE34M	Dual	28 VDC	±12 VDC	±125 mA	35 mA	176 mA	61	A	15.39	13.94	12.98	11.54
418-EC3AE35M	EC3AE35M	Dual	28 VDC	±15 VDC	±100 mA	35 mA	176 mA	61	A	15.39	13.94	12.98	11.54

CINCON 3 WATT WIDE INPUT DC-DC CONVERTER

EC3AW

Specifications:
- Isolation Resistance: 10^9 (Ω)
- Switching Frequency: 100kHz min.
- Operating Temperature Range: -25°C to +71°C
- Case Temperature: (Plastic case) 95°C max.
  (Copper case) 100°C max.



For quantities of 200 and up, call for quote.

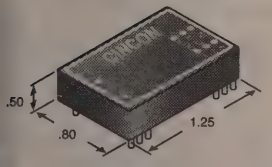
MOUSER STOCK NO.	Cincon Part No.	Output	Input Voltage	Output Voltage	Output Current	Input Current		% Eff.	Case	Price Each			
						No Load	Full Load			1	10	50	100
418-EC3AW01	EC3AW01	Single	9-36VDC	5 VDC	600 mA	15 mA	174 mA	72	A	20.32	18.42	17.15	15.24
418-EC3AW02	EC3AW02	Single	9-36VDC	12 VDC	250 mA	15 mA	165 mA	76	A	20.32	18.42	17.15	15.24
418-EC3AW03	EC3AW03	Single	9-36VDC	15 VDC	200 mA	15 mA	165 mA	76	A	20.32	18.42	17.15	15.24
418-EC3AW07	EC3AW07	Single	9-36VDC	3.3 VDC	600 mA	15 mA	117 mA	70	A	20.32	18.42	17.15	15.24
418-EC3AW11	EC3AW11	Single	18-72VDC	5 VDC	600 mA	7.5 mA	87 mA	72	A	20.32	18.42	17.15	15.24
418-EC3AW12	EC3AW12	Single	18-72VDC	12 VDC	250 mA	7.5 mA	78 mA	80	A	20.32	18.42	17.15	15.24
418-EC3AW13	EC3AW13	Single	18-72VDC	15 VDC	200 mA	7.5 mA	78 mA	80	A	20.32	18.42	17.15	15.24
418-EC3AW17	EC3AW17	Single	18-72VDC	3.3 VDC	600 mA	7.5 mA	58 mA	70	A	20.32	18.42	17.15	15.24
418-EC3AW04	EC3AW04	Dual	9-36VDC	±5 VDC	±300 mA	25 mA	179 mA	70	A	23.56	21.35	19.88	17.67
418-EC3AW05	EC3AW05	Dual	9-36VDC	±12 VDC	±125 mA	25 mA	174 mA	72	A	23.56	21.35	19.88	17.67
418-EC3AW06	EC3AW06	Dual	9-36VDC	±15 VDC	±100 mA	25 mA	174 mA	72	A	23.56	21.35	19.88	17.67
418-EC3AW14	EC3AW14	Dual	18-72VDC	±5 VDC	±300 mA	12 mA	88 mA	71	A	23.56	21.35	19.88	17.67
418-EC3AW15	EC3AW15	Dual	18-72VDC	±12 VDC	±125 mA	12 mA	87 mA	72	A	23.56	21.35	19.88	17.67
418-EC3AW16	EC3AW16	Dual	18-72VDC	±15 VDC	±100 mA	12 mA	87 mA	72	A	23.56	21.35	19.88	17.67

CINCON 3 WATT WIDE INPUT DC-DC CONVERTER

EC3AB

Specifications:
- Isolation Resistance: 10^9 (Ω)
- Switching Frequency: 100KHz, min
- Operating Temperature Range: -25°C to + 71°C
- Case Temperature: (Plastic case) 95°C max.
  (Copper case) 100°C max.
- Cooling: Free-Air Convection
- Storage Temperature Range: -40°C to + 100°C
- EMI / RF: Conductive EMI Meet EN55022 Class B

Features:
- 3W Isolated Output
- 24-Pin DIP Package
- Efficiency to 80%
- 2:1 Input Range
- Regulated Outputs
- PI Input Filter
- Continuous Short Circuit Protection
- Remote ON/OFF Option



E176177
H/HM Version Only

For quantities of 200 and up, call for quote.

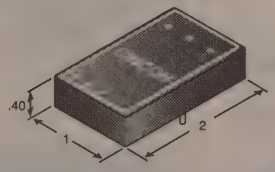
MOUSER STOCK NO.	Cincon Part No.	Output	Input Voltage	Output Voltage	Output Current	Input Current		% Eff.	Case	Price Each			
						No Load	Full Load			1	10	50	100
418-EC3AB11	EC3AB11	Single	9-18 VDC	5 VDC	600 mA	7.5 mA	340 mA	73	A	22.06	19.99	18.61	16.54
418-EC3AB12	EC3AB12	Single	9-18 VDC	12 VDC	250 mA	7.5 mA	320 mA	78	A	22.06	19.99	18.61	16.54
418-EC3AB13	EC3AB13	Single	9-18 VDC	15 VDC	200 mA	7.5 mA	329 mA	76	A	22.06	19.99	18.61	16.54
418-EC3AB17	EC3AB17	Single	9-18 VDC	3.3 VDC	600 mA	7.5 mA	236 mA	70	A	22.06	19.99	18.61	16.54
418-EC3AB21	EC3AB21	Single	18-36 VDC	5 VDC	600 mA	5 mA	168 mA	74	A	22.06	19.99	18.61	16.54
418-EC3AB22	EC3AB22	Single	18-36 VDC	12 VDC	250 mA	5 mA	156 mA	80	A	22.06	19.99	18.61	16.54
418-EC3AB23	EC3AB23	Single	18-36 VDC	15 VDC	200 mA	5 mA	156 mA	80	A	22.06	19.99	18.61	16.54
418-EC3AB27	EC3AB27	Single	18-36 VDC	3.3 VDC	600 mA	5 mA	113 mA	73	A	22.06	19.99	18.61	16.54
418-EC3AB31	EC3AB31	Single	36-72 VDC	5 VDC	600 mA	2 mA	82 mA	76	A	22.06	19.99	18.61	16.54
418-EC3AB32	EC3AB32	Single	36-72 VDC	12 VDC	250 mA	2 mA	82 mA	77	A	22.06	19.99	18.61	16.54
418-EC3AB33	EC3AB33	Single	36-72 VDC	15 VDC	200 mA	2 mA	82 mA	77	A	22.06	19.99	18.61	16.54
418-EC3AB37	EC3AB37	Single	36-72 VDC	3.3 VDC	600 mA	3 mA	58 mA	71	A	22.06	19.99	18.61	16.54
418-EC3AB14	EC3AB14	Dual	9-18 VDC	±5 VDC	±300 mA	12 mA	340 mA	73	A	23.73	21.50	20.02	17.80
418-EC3AB15	EC3AB15	Dual	9-18 VDC	±12 VDC	±125 mA	12 mA	329 mA	76	A	23.73	21.50	20.02	17.80
418-EC3AB16	EC3AB16	Dual	9-18 VDC	±15 VDC	±100 mA	12 mA	333 mA	75	A	23.73	21.50	20.02	17.80
418-EC3AB24	EC3AB24	Dual	18-36 VDC	±5 VDC	±300 mA	7.5 mA	168 mA	74	A	23.73	21.50	20.02	17.80
418-EC3AB25	EC3AB25	Dual	18-36 VDC	±12 VDC	±125 mA	7.5 mA	156 mA	80	A	23.73	21.50	20.02	17.80
418-EC3AB26	EC3AB26	Dual	18-36 VDC	±15 VDC	±100 mA	7.5 mA	160 mA	78	A	23.73	21.50	20.02	17.80
418-EC3AB34	EC3AB34	Dual	36-72 VDC	±5 VDC	±300 mA	3 mA	82 mA	76	A	23.73	21.50	20.02	17.80
418-EC3AB35	EC3AB35	Dual	36-72 VDC	±12 VDC	±125 mA	3 mA	82 mA	76	A	23.73	21.50	20.02	17.80
418-EC3AB36	EC3AB36	Dual	36-72 VDC	±15 VDC	±100 mA	3 mA	82 mA	76	A	23.73	21.50	20.02	17.80
*418-EC3AB11H	EC3AB11H	Single	9-18 VDC	5 VDC	600 mA	7.5 mA	340 mA	73	A	26.21	23.76	22.12	19.66
*418-EC3AB12H	EC3AB12H	Single	9-18 VDC	12 VDC	250 mA	7.5 mA	320 mA	78	A	26.21	23.76	22.12	19.66
*418-EC3AB13H	EC3AB13H	Single	9-18 VDC	15 VDC	200 mA	7.5 mA	329 mA	76	A	26.21	23.76	22.12	19.66
*418-EC3AB17H	EC3AB17H	Single	9-18 VDC	3.3 VDC	600 mA	7.5 mA	236 mA	70	A	26.21	23.76	22.12	19.66
*418-EC3AB21H	EC3AB21H	Single	18-36 VDC	5 VDC	600 mA	5 mA	168 mA	74	A	26.21	23.76	22.12	19.66
*418-EC3AB22H	EC3AB22H	Single	18-36 VDC	12 VDC	250 mA	5 mA	156 mA	80	A	26.21	23.76	22.12	19.66
*418-EC3AB23H	EC3AB23H	Single	18-36 VDC	15 VDC	200 mA	5 mA	156 mA	80	A	26.21	23.76	22.12	19.66
*418-EC3AB27H	EC3AB27H	Single	18-36 VDC	3.3 VDC	600 mA	5 mA	113 mA	73	A	26.21	23.76	22.12	19.66
*418-EC3AB31H	EC3AB31H	Single	36-72 VDC	5 VDC	600 mA	2 mA	82 mA	76	A	26.21	23.76	22.12	19.66
*418-EC3AB32H	EC3AB32H	Single	36-72 VDC	12 VDC	250 mA	2 mA	82 mA	77	A	26.21	23.76	22.12	19.66
*418-EC3AB33H	EC3AB33H	Single	36-72 VDC	15 VDC	200 mA	2 mA	82 mA	77	A	26.21	23.76	22.12	19.66
*418-EC3AB37H	EC3AB37H	Single	36-72 VDC	3.3 VDC	600 mA	3 mA	58 mA	71	A	26.21	23.76	22.12	19.66
*418-EC3AB14H	EC3AB14H	Dual	9-18 VDC	±5 VDC	±300 mA	12 mA	340 mA	73	A	28.19	25.54	23.78	21.14
*418-EC3AB15H	EC3AB15H	Dual	9-18 VDC	±12 VDC	±125 mA	12 mA	329 mA	76	A	28.19	25.54	23.78	21.14
*418-EC3AB16H	EC3AB16H	Dual	9-18 VDC	±15 VDC	±100 mA	12 mA	333 mA	75	A	28.19	25.54	23.78	21.14
*418-EC3AB24H	EC3AB24H	Dual	18-36 VDC	±5 VDC	±300 mA	7.5 mA	168 mA	74	A	28.19	25.54	23.78	21.14
*418-EC3AB25H	EC3AB25H	Dual	18-36 VDC	±12 VDC	±125 mA	7.5 mA	156 mA	80	A	28.19	25.54	23.78	21.14
*418-EC3AB26H	EC3AB26H	Dual	18-36 VDC	±15 VDC	±100 mA	7.5 mA	160 mA	78	A	28.19	25.54	23.78	21.14
*418-EC3AB34H	EC3AB34H	Dual	36-72 VDC	±5 VDC	±300 mA	3 mA	82 mA	76	A	28.19	25.54	23.78	21.14
*418-EC3AB35H	EC3AB35H	Dual	36-72 VDC	±12 VDC	±125 mA	3 mA	82 mA	76	A	28.19	25.54	23.78	21.14
*418-EC3AB36H	EC3AB36H	Dual	36-72 VDC	±15 VDC	±100 mA	3 mA	82 mA	76	A	28.19	25.54	23.78	21.14

* 3K VDC min non-conductive black plastic only

CINCON 7.2 TO 20 WATT SINGLE OUTPUT DC-DC CONVERTER

EC6B

Specifications:
- Switching Frequency: 200KHz Typ.
- Operating Temperature Range: -25°C to 71°C
- Case Temperature: 95°C max.
- Storage Temperature Range: -40°C to +105°C
- Case Material: Non-Conductive Black Plastic

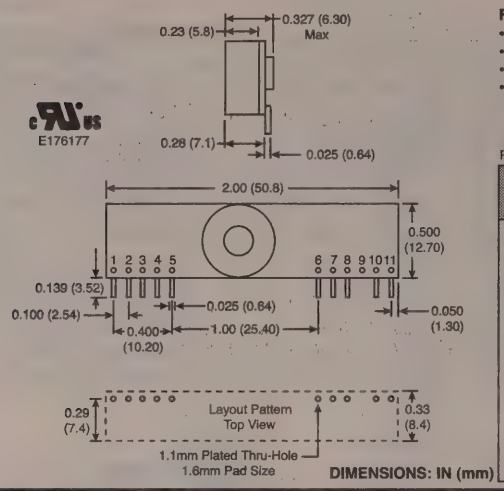


For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Output	Input Voltage	Output Voltage	Output Current	Input Current		% Eff.	Case	Price Each			
						No Load	Full Load			1	10	50	100
418-EC6B-05S12	EC6B-05S12	Single	4.5-5.5 VDC	1.2 VDC	6A	40 mA	1895 mA	76	B	68.61	52.78	49.45	26.03
418-EC6B-05S21	EC6B-05S21	Single	4.5-5.5 VDC	2.1 VDC	6A	40 mA	3000 mA	84	B	68.61	52.78	49.45	26.03
418-EC6B-05S25	EC6B-05S25	Single	4.5-5.5 VDC	2.5 VDC	6A	40 mA	3530 mA	85	B	68.61	52.78	49.45	26.03
418-EC6B-05S33	EC6B-05S33	Single	4.5-5.5 VDC	3.3 VDC	6A	40 mA	4500 mA	88	B	68.61	52.78	49.45	26.03

CINCON DC-DC Converters

CINCON 10 AMP SIP DC-DC CONVERTERS



DIMENSIONS: IN (mm)

Features:
- Industry Standard Pin Out
- High Efficiency to 95%
- 300KHz Switching Frequency
- 3.0-5.5VDC Input Range
- Over Temperature Protection
- Continuous Short Circuit Protection
- Remote ON/OFF
- Cost Efficient Open Frame Design

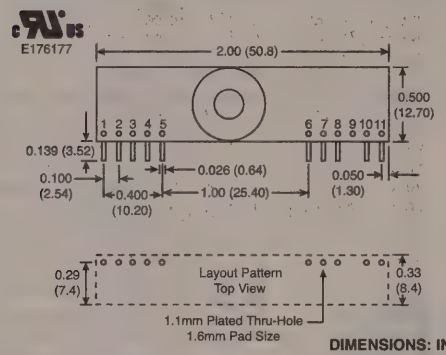
Pin Connection			
Pin	Function	Pin	Function
1	+Vout	6	Common
2	+Vout	7	+Vin
3	+Sense	8	+Vin
4	+Vout	9	No Pin
5	Common	10	Trim
		11	On/Off Control

Parts with N suffix have Negative Logic Remote on/off.

For quantities of 200 and up, call for quote

MOUSER STOCK NO.	Input Voltage	Output Voltage	Output Current	Input Current		Efficiency	Price Each			
				No Load	Full Load		1	10	50	100
418-SIP10-05S10	3.0-5.5VDC	1.0VDC	10A	50mA	2353mA	85%	23.00	18.40	17.94	17.02
418-SIP10-05S12	3.0-5.5VDC	1.2VDC	10A	50mA	2791mA	86%	23.00	18.40	17.94	17.02
418-SIP10-05S15	3.0-5.5VDC	1.5VDC	10A	50mA	3409mA	88%	23.00	18.40	17.94	17.02
418-SIP10-05S18	3.0-5.5VDC	1.8VDC	10A	50mA	4000mA	90%	23.00	18.40	17.94	17.02
418-SIP10-05S20	3.0-5.5VDC	2.0VDC	10A	60mA	4396mA	91%	23.00	18.40	17.94	17.02
418-SIP10-05S25	3.0-5.5VDC	2.5VDC	10A	60mA	5376mA	93%	23.00	18.40	17.94	17.02
418-SIP10-05S33	4.5-5.5VDC	3.3VDC	10A	60mA	6947mA	95%	23.00	18.40	17.94	17.02
418-SIP10-05S10N	3.0-5.5VDC	1.0VDC	10A	50mA	2353mA	85%	24.93	19.94	19.44	18.44
418-SIP10-05S12N	3.0-5.5VDC	1.2VDC	10A	50mA	2791mA	86%	24.93	19.94	19.44	18.44
418-SIP10-05S15N	3.0-5.5VDC	1.5VDC	10A	50mA	3409mA	88%	24.93	19.94	19.44	18.44
418-SIP10-05S18N	3.0-5.5VDC	1.8VDC	10A	50mA	4000mA	90%	24.93	19.94	19.44	18.44
418-SIP10-05S20N	3.0-5.5VDC	2.0VDC	10A	60mA	4396mA	91%	24.93	19.94	19.44	18.44
418-SIP10-05S25N	3.0-5.5VDC	2.5VDC	10A	60mA	5376mA	93%	24.93	19.94	19.44	18.44
418-SIP10-05S33N	4.5-5.5VDC	3.3VDC	10A	60mA	6947mA	95%	24.93	19.94	19.44	18.44

CINCON 15 AMP SIP DC-DC CONVERTERS



DIMENSIONS: IN (mm)

Features:
- Industry Standard Pin Out
- High Efficiency to 94%
- 300KHz Switching Frequency
- 3.0-5.5VDC Input Range
- Over Temperature Protection
- Continuous Short Circuit Protection
- Remote ON/OFF
- 0.9-3.63VDC Wide Output Range

Pin Connection	
Pin	Function
1	+Vout
2	+Vout
3	+Sense
4	+Vout
5	Common
6	Common
7	+Vin
8	+Vin
9	No Pin
10	Trim
11	On/Off Control

External Resistor Values for Setting Output Voltage	
Voltage	Trim (Kohm)
0.9	135.36
1	79.17
1.2	41.71
1.5	22.98
1.8	14.96
2	11.75
2.5	6.93
3.3	3.15
3.63	2.2

Parts with N suffix have Negative Logic Remote on/off.

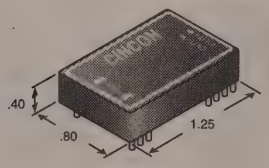
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Input Voltage	Output Voltage	Output Current	Efficiency 3.3V @ 15A	Price Each			
					1	10	50	100
418-SIP15-05S33	3.0-5.5VDC	0.9-3.63VDC	15A	94%	28.05	22.44	21.88	20.76
418-SIP15-05S33N	3.0-5.5VDC	0.9-3.63VDC	15A	94%	28.05	22.44	21.88	20.76

CINCON EC6A SERIES, 7.5W OUTPUT

Features:
- 7.5W Isolated Output
- Efficiency to 83%
- Regulated Outputs
- Continuous Short Circuit Protection
- 24-Pin DIP Package
- 2 : 1 Input Range
- Pi Input Filter

E176177



DIMENSIONS: IN

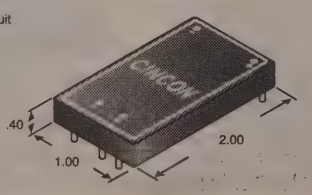
For quantities of 200 and up, call for quote

MOUSER STOCK NO.	Cincon Part No.	Vin (VDC)	Vout (VDC)	Iout (mA)	Price Each			
					1	10	50	100
418-EC6A01	EC6A01	9-18VDC	5	1500	29.28	26.53	24.70	21.96
418-EC6A02	EC6A02	9-18VDC	12	625	29.28	26.53	24.70	21.96
418-EC6A03	EC6A03	9-18VDC	15	500	29.28	26.53	24.70	21.96
418-EC6A04	EC6A04	9-18VDC	+/- 5	+/- 750	31.18	28.26	26.31	23.39
418-EC6A05	EC6A05	9-18VDC	+/- 12	+/- 310	31.18	28.26	26.31	23.39
418-EC6A06	EC6A06	9-18VDC	+/- 15	+/- 250	31.18	28.26	26.31	23.39
418-EC6A07	EC6A07	9-18VDC	3.3	1500	29.28	26.53	24.70	21.96
418-EC6A11	EC6A11	18-36VDC	5	1500	29.28	26.53	24.70	21.96
418-EC6A12	EC6A12	18-36VDC	12	625	29.28	26.53	24.70	21.96
418-EC6A13	EC6A13	18-36VDC	15	500	29.28	26.53	24.70	21.96
418-EC6A14	EC6A14	18-36VDC	+/- 5	+/- 750	31.18	28.26	26.31	23.39
418-EC6A15	EC6A15	18-36VDC	+/- 12	+/- 310	31.18	28.26	26.31	23.39
418-EC6A16	EC6A16	18-36VDC	+/- 15	+/- 250	31.18	28.26	26.31	23.39
418-EC6A17	EC6A17	18-36VDC	3.3	1500	29.28	26.53	24.70	21.96
418-EC6A21	EC6A21	36-72VDC	5	1500	29.28	26.53	24.70	21.96
418-EC6A22	EC6A22	36-72VDC	12	625	29.28	26.53	24.70	21.96
418-EC6A23	EC6A23	36-72VDC	15	500	29.28	26.53	24.70	21.96
418-EC6A24	EC6A24	36-72VDC	+/- 5	+/- 750	31.18	28.26	26.31	23.39
418-EC6A25	EC6A25	36-72VDC	+/- 12	+/- 310	31.18	28.26	26.31	23.39
418-EC6A26	EC6A26	36-72VDC	+/- 15	+/- 250	31.18	28.26	26.31	23.39
418-EC6A27	EC6A27	36-72VDC	3.3	1500	29.28	26.53	24.70	21.96

CINCON EC7B SERIES, 20W OUTPUT

Features:
- 20W Isolated Output
- Efficiency to 86%
- Continuous Short Circuit Protection
- 2 : 1 Input Range
- Pi Input Filter

DIMENSIONS: IN



For quantities of 200 and up, call for quote.

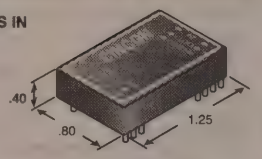
MOUSER STOCK NO.	Cincon Part No.	Vin (VDC)	Vout (VDC)	Iout (mA)	Price Each			
					1	10	50	100
418-EC7B11	EC7B11	18-36VDC	2.5	5000	68.63	62.20	57.91	51.47
418-EC7B12	EC7B12	18-36VDC	3.3	5000	68.63	62.20	57.91	51.47
418-EC7B13	EC7B13	18-36VDC	5	4000	68.63	62.20	57.91	51.47
418-EC7B21	EC7B21	36-72VDC	2.5	5000	68.63	62.20	57.91	51.47
418-EC7B22	EC7B22	36-72VDC	3.3	5000	68.63	62.20	57.91	51.47
418-EC7B23	EC7B23	36-72VDC	5	4000	68.63	62.20	57.91	51.47

MOUSER ELECTRONICS a tti company

CINCON EC3A SERIES, 3W OUTPUT

Features:
- 3W regulated output
- UL recognized
- 3KV isolation
- PI input filter
- -25°C to +71°C operating temperature range
- 24 pin DIP package
- Efficiency to 80%
- Continuous short circuit protection

DIMENSIONS IN



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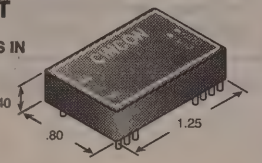
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (mA)	Price Each 1	10	50	100
418-EC3A07H	EC3A07H	4.5-6	3.3	600	22.20	20.11	18.73	16.65
418-EC3A01H	EC3A01H	4.5-6	5	600	22.20	20.11	18.73	16.65
418-EC3A02H	EC3A02H	4.5-6	12	250	22.20	20.11	18.73	16.65
418-EC3A04H	EC3A04H	4.5-6	+/-5	+/-300	24.24	21.97	20.45	18.18
418-EC3A05H	EC3A05H	4.5-6	+/-12	+/-125	24.24	21.97	20.45	18.18
418-EC3A17H	EC3A17H	9-18	3.3	600	22.20	20.11	18.73	16.65
418-EC3A11H	EC3A11H	9-18	5	600	22.20	20.11	18.73	16.65
418-EC3A12H	EC3A12H	9-18	12	250	22.20	20.11	18.73	16.65
418-EC3A14H	EC3A14H	9-18	+/-5	+/-300	24.24	21.97	20.45	18.18
418-EC3A15H	EC3A15H	9-18	+/-12	+/-125	24.24	21.97	20.45	18.18
418-EC3A27H	EC3A27H	18-36	3.3	600	22.20	20.11	18.73	16.65
418-EC3A21H	EC3A21H	18-36	5	600	22.20	20.11	18.73	16.65
418-EC3A22H	EC3A22H	18-36	12	250	22.20	20.11	18.73	16.65
418-EC3A24H	EC3A24H	18-36	+/-5	+/-300	24.24	21.97	20.45	18.18
418-EC3A25H	EC3A25H	18-36	+/-12	+/-125	24.24	21.97	20.45	18.18
418-EC3A37H	EC3A37H	36-72	3.3	600	22.20	20.11	18.73	16.65
418-EC3A31H	EC3A31H	36-72	5	600	22.20	20.11	18.73	16.65
418-EC3A32H	EC3A32H	36-72	12	250	22.20	20.11	18.73	16.65
418-EC3A34H	EC3A34H	36-72	+/-5	+/-300	24.24	21.97	20.45	18.18
418-EC3A35H	EC3A35H	36-72	+/-12	+/-125	24.24	21.97	20.45	18.18

CINCON EC4A SERIES, 5-6W OUTPUT

Features:
- 5-6W regulated output
- UL recognized
- 3KV isolation
- PI input filter
- -25°C to +71°C operating temperature range
- 24 pin DIP package
- Efficiency to 82%
- Continuous short circuit protection

DIMENSIONS IN



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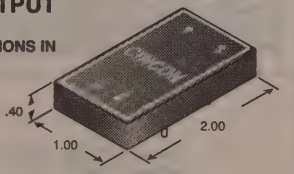
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (mA)	Price Each 1	10	50	100
418-EC4A07H	EC4A07H	9-18	3.3	1000	23.69	21.47	19.99	17.77
418-EC4A01H	EC4A01H	9-18	5	1000	23.69	21.47	19.99	17.77
418-EC4A02H	EC4A02H	9-18	12	470	23.69	21.47	19.99	17.77
418-EC4A06H	EC4A06H	9-18	+/-5	+/-500	26.25	23.79	22.15	19.69
418-EC4A04H	EC4A04H	9-18	+/-12	+/-230	26.25	23.79	22.15	19.69
418-EC4A17H	EC4A17H	18-36	3.3	1000	23.69	21.47	19.99	17.77
418-EC4A11H	EC4A11H	18-36	5	1000	23.69	21.47	19.99	17.77
418-EC4A12H	EC4A12H	18-36	12	470	23.69	21.47	19.99	17.77
418-EC4A16H	EC4A16H	18-36	+/-5	+/-500	26.25	23.79	22.15	19.69
418-EC4A14H	EC4A14H	18-36	+/-12	+/-230	26.25	23.79	22.15	19.69
418-EC4A27H	EC4A27H	36-72	3.3	1000	23.69	21.47	19.99	17.77
418-EC4A21H	EC4A21H	36-72	5	1000	23.69	21.47	19.99	17.77
418-EC4A22H	EC4A22H	36-72	12	470	23.69	21.47	19.99	17.77
418-EC4A26H	EC4A26H	36-72	+/-5	+/-500	26.25	23.79	22.15	19.69
418-EC4A24H	EC4A24H	36-72	+/-12	+/-230	26.25	23.79	22.15	19.69

CINCON EC4BW SERIES, 10W OUTPUT

Features:
- 10W regulated output
- 4x1 Input range
- PI input filter
- 2" x 1" package
- -25°C to +71°C operating temperature range
- Efficiency to 82%
- Continuous short circuit protection
- Meets EN55022 class "A" conducted

DIMENSIONS IN



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (mA)	Price Each 1	10	50	100
418-EC4BW07	EC4BW07	9-36	3.3	2000	49.40	44.76	41.68	37.05
418-EC4BW01	EC4BW01	9-36	5	2000	49.40	44.76	41.68	37.05
418-EC4BW02	EC4BW02	9-36	12	830	49.40	44.76	41.68	37.05
418-EC4BW06	EC4BW06	9-36	+/-5	+/-1000	54.37	49.27	45.87	40.77
418-EC4BW04	EC4BW04	9-36	+/-12	+/-415	54.37	49.27	45.87	40.77
418-EC4BW17	EC4BW17	18-72	3.3	2000	49.40	44.76	41.68	37.05
418-EC4BW11	EC4BW11	18-72	5	2000	49.40	44.76	41.68	37.05
418-EC4BW12	EC4BW12	18-72	12	830	49.40	44.76	41.68	37.05
418-EC4BW16	EC4BW16	18-72	+/-5	+/-1000	54.37	49.27	45.87	40.77
418-EC4BW14	EC4BW14	18-72	+/-12	+/-415	54.37	49.27	45.87	40.77

CINCON EC5BE SERIES, 15W OUTPUT

Features:
- 15W regulated output
- PI input filter
- 2" x 1" package
- Efficiency to 83%
- -25°C to +71°C operating temperature range
- Continuous short circuit protection
- Meets EN55022 class "A" conducted

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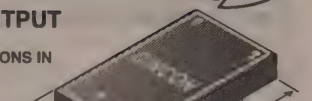

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (mA)	Price Each 1	10	50	100
418-EC5BE07	EC5BE07	9-18	3.3	3000	43.98	39.86	37.11	32.99
418-EC5BE01	EC5BE01	9-18	5	3000	43.98	39.86	37.11	32.99
418-EC5BE02	EC5BE02	9-18	12	1250	43.98	39.86	37.11	32.99
418-EC5BE06	EC5BE06	9-18	+/-5	+/-1500	48.41	43.87	40.84	36.31
418-EC5BE04	EC5BE04	9-18	+/-12	+/-625	48.41	43.87	40.84	36.31
418-EC5BE17	EC5BE17	18-36	3.3	3000	43.98	39.86	37.11	32.99
418-EC5BE11	EC5BE11	18-36	5	3000	43.98	39.86	37.11	32.99
418-EC5BE12	EC5BE12	18-36	12	1250	43.98	39.86	37.11	32.99
418-EC5BE16	EC5BE16	18-36	+/-5	+/-1500	48.41	43.87	40.84	36.31
418-EC5BE14	EC5BE14	18-36	+/-12	+/-625	48.41	43.87	40.84	36.31
418-EC5BE27	EC5BE27	36-72	3.3	3000	43.98	39.86	37.11	32.99
418-EC5BE21	EC5BE21	36-72	5	3000	43.98	39.86	37.11	32.99
418-EC5BE22	EC5BE22	36-72	12	1250	43.98	39.86	37.11	32.99
418-EC5BE26	EC5BE26	36-72	+/-5	+/-1500	48.41	43.87	40.84	36.31
418-EC5BE24	EC5BE24	36-72	+/-12	+/-625	48.41	43.87	40.84	36.31

CINCON EC1SC SERIES, 20W OUTPUT

Features:
- 20W regulated output
- 4 x 1 input range
- PI input filter
- 2" x 1.6" package
- Remote on/off control
- -25°C to +71°C operating temperature range
- Efficiency to 84%
- Continuous short circuit protection
- Meets EN55022 class "A" conducted
- UL recognized

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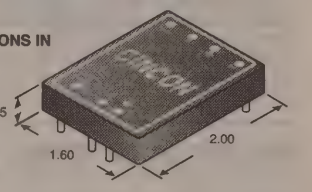

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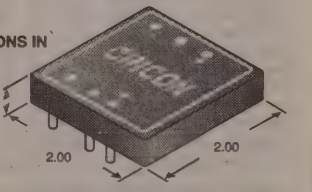
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (mA)	Price Each 1	10	50	100
418-EC1SC07	EC1SC07	9-36	3.3	4000	69.24	62.75	58.42	51.93
418-EC1SC01	EC1SC01	9-36	5	4000	69.24	62.75	58.42	51.93
418-EC1SC02	EC1SC02	9-36	12	1670	69.24	62.75	58.42	51.93
418-EC1SC06	EC1SC06	9-36	+/-5	+/-2000	77.17	69.94	65.12	57.88
418-EC1SC04	EC1SC04	9-36	+/-12	+/-833	77.17	69.94	65.12	57.88
418-EC1SC17	EC1SC17	18-72	3.3	4000	69.24	62.75	58.42	51.93
418-EC1SC11	EC1SC11	18-72	5	4000	69.24	62.75	58.42	51.93
418-EC1SC12	EC1SC12	18-72	12	1670	69.24	62.75	58.42	51.93
418-EC1SC16	EC1SC16	18-72	+/-5	+/-2000	77.17	69.94	65.12	57.88
418-EC1SC14	EC1SC14	18-72	+/-12	+/-833	77.17	69.94	65.12	57.88

CINCON EC6C SERIES, 25-30W OUTPUT

Features:
- 80W regulated output
- PI input filter
- 2" x 2" package
- Remote on/off control
- UL recognized
- -25°C to +71°C operating temperature range
- Efficiency to 85%
- Continuous short circuit protection
- Six sided shielding

DIMENSIONS IN



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For quantities of 200 and up, call for quote.

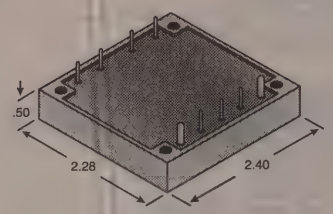
MOUSER STOCK NO.	Cincon Part No.	Input Volts	Output Volts	Io (mA)	Price Each 1	10	50	100
418-EC6C09	EC6C09	9-18	3.3	5000	69.00	62.54	58.22	51.75
418-EC6C01	EC6C01	9-18	5	5000	69.00	62.54	58.22	51.75
418-EC6C02	EC6C02	9-18	12	2500	69.00	62.54	58.22	51.75
418-EC6C04	EC6C04	9-18	+/-5	+/-2500	77.89	70.59	65.72	58.42
418-EC6C05	EC6C05	9-18	+/-12	+/-1250	77.89	70.59	65.72	58.42
418-EC6C19	EC6C19	18-36	3.3	5000	69.00	62.54	58.22	51.75
418-EC6C11	EC6C11	18-36	5	5000	69.00	62.54	58.22	51.75
418-EC6C12	EC6C12	18-36	12	2500	69.00	62.54	58.22	51.75
418-EC6C14	EC6C14	18-36	+/-5	+/-2500	77.89	70.59	65.72	58.42
418-EC6C15	EC6C15	18-36	+/-12	+/-1250	77.89	70.59	65.72	58.42
418-EC6C29	EC6C29	36-72	3.3	5000	69.00	62.54	58.22	51.75
418-EC6C21	EC6C21	36-72	5	5000	69.00	62.54	58.22	51.75
418-EC6C22	EC6C22	36-72	12	2500	69.00	62.54	58.22	51.75
418-EC6C24	EC6C24	36-72	+/-5	+/-2500	77.89	70.59	65.72	58.42
418-EC6C25	EC6C25	36-72	+/-12	+/-1250	77.89	70.59	65.72	58.42

CINCON DC-DC Converters

CINCON CHB50 SERIES, 25-50W OUTPUT

Features:
- 25/50W Isolated Output
- Efficiency to 85%
- 300KHz Switching Frequency
- 2:1 Input Range
- Regulated Outputs
- Continuous Short Circuit Protection
- Five-Sided Metal Case
- Industry Standard Half-Brick Package

DIMENSIONS (IN)



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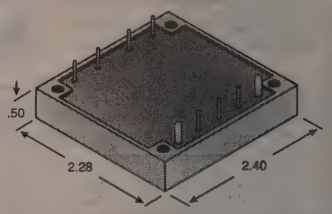
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (A)	Price Each 1	10	50	100
418-CHB50-12S25	CHB50-12S25	9-18	2.5	10	84.35	78.53	69.80	61.08
418-CHB50-12S33	CHB50-12S33	9-18	3.3	10	84.35	78.53	69.80	61.08
418-CHB50-12S05	CHB50-12S05	9-18	5	10	84.35	78.53	69.80	61.08
418-CHB50-12S12	CHB50-12S12	9-18	12	4.16	84.35	78.53	69.80	61.08
418-CHB50-12S15	CHB50-12S15	9-18	15	3.33	84.35	78.53	69.80	61.08
418-CHB50-12S24	CHB50-12S24	9-18	24	2.08	84.35	78.53	69.80	61.08
418-CHB50-24S25	CHB50-24S25	18-36	2.5	10	84.35	78.53	69.80	61.08
418-CHB50-24S33	CHB50-24S33	18-36	3.3	10	84.35	78.53	69.80	61.08
418-CHB50-24S05	CHB50-24S05	18-36	5	10	84.35	78.53	69.80	61.08
418-CHB50-24S12	CHB50-24S12	18-36	12	4.16	84.35	78.53	69.80	61.08
418-CHB50-24S15	CHB50-24S15	18-36	15	3.33	84.35	78.53	69.80	61.08
418-CHB50-24S24	CHB50-24S24	18-36	24	2.08	84.35	78.53	69.80	61.08
418-CHB50-48S25	CHB50-48S25	36-75	2.5	10	84.35	78.53	69.80	61.08
418-CHB50-48S33	CHB50-48S33	36-75	3.3	10	84.35	78.53	69.80	61.08
418-CHB50-48S05	CHB50-48S05	36-75	5	10	84.35	78.53	69.80	61.08
418-CHB50-48S12	CHB50-48S12	36-75	12	4.16	84.35	78.53	69.80	61.08
418-CHB50-48S15	CHB50-48S15	36-75	15	3.33	84.35	78.53	69.80	61.08
418-CHB50-48S24	CHB50-48S24	36-75	24	2.08	84.35	78.53	69.80	61.08

CINCON CHB75 SERIES, 37.5-75W OUTPUT

Features:
- 37.5/75W Isolated Output
- Efficiency to 85%
- 300KHz Switching Frequency
- 2:1 Input Range
- Regulated Outputs
- Continuous Short Circuit Protection
- Five-Sided Metal Case
- Industry Standard Half-Brick Package

DIMENSIONS (IN)



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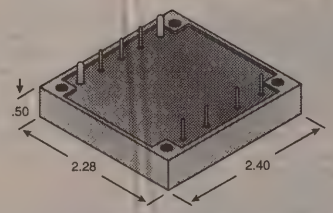
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (A)	Price Each 1	10	50	100
418-CHB75-12S25	CHB75-12S25	9-18	2.5	15	97.27	90.56	80.50	70.44
418-CHB75-12S33	CHB75-12S33	9-18	3.3	15	97.27	90.56	80.50	70.44
418-CHB75-12S05	CHB75-12S05	9-18	5	15	97.27	90.56	80.50	70.44
418-CHB75-12S12	CHB75-12S12	9-18	12	6.25	97.27	90.56	80.50	70.44
418-CHB75-12S15	CHB75-12S15	9-18	15	5	97.27	90.56	80.50	70.44
418-CHB75-12S24	CHB75-12S24	9-18	24	3.13	97.27	90.56	80.50	70.44
418-CHB75-24S25	CHB75-24S25	18-36	2.5	15	97.27	90.56	80.50	70.44
418-CHB75-24S33	CHB75-24S33	18-36	3.3	15	97.27	90.56	80.50	70.44
418-CHB75-24S05	CHB75-24S05	18-36	5	15	97.27	90.56	80.50	70.44
418-CHB75-24S12	CHB75-24S12	18-36	12	6.25	97.27	90.56	80.50	70.44
418-CHB75-24S15	CHB75-24S15	18-36	15	5	97.27	90.56	80.50	70.44
418-CHB75-24S24	CHB75-24S24	18-36	24	3.13	97.27	90.56	80.50	70.44
418-CHB75-48S25	CHB75-48S25	36-75	2.5	15	97.27	90.56	80.50	70.44
418-CHB75-48S33	CHB75-48S33	36-75	3.3	15	97.27	90.56	80.50	70.44
418-CHB75-48S05	CHB75-48S05	36-75	5	15	97.27	90.56	80.50	70.44
418-CHB75-48S12	CHB75-48S12	36-75	12	6.25	97.27	90.56	80.50	70.44
418-CHB75-48S15	CHB75-48S15	36-75	15	5	97.27	90.56	80.50	70.44
418-CHB75-48S24	CHB75-48S24	36-75	24	3.13	97.27	90.56	80.50	70.44

CINCON CHB100 SERIES, 50-100W OUTPUT

Features:
- 50/100W Isolated Output
- Efficiency to 85%
- 500KHz Switching Frequency
- 2:1 Input Range
- Regulated Outputs
- Continuous Short Circuit Protection
- Five-Sided Metal Case
- Industry Standard Half-Brick Package

DIMENSIONS (IN)



E176177

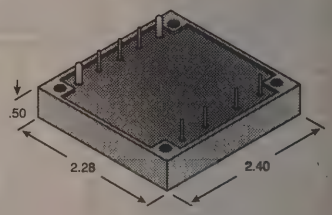
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (A)	Price Each 1	10	50	100
418-CHB100-24S25	CHB100-24S25	18-36	2.5	20	109.50	102.95	96.75	92.18
418-CHB100-24S33	CHB100-24S33	18-36	3.3	20	109.50	102.95	96.75	92.18
418-CHB100-24S05	CHB100-24S05	18-36	5	20	109.50	102.95	96.75	92.18
418-CHB100-24S12	CHB100-24S12	18-36	12	8.3	109.50	102.95	96.75	92.18
418-CHB100-24S15	CHB100-24S15	18-36	15	6.7	109.50	102.95	96.75	92.18
418-CHB100-24S24	CHB100-24S24	18-36	24	4.17	109.50	102.95	96.75	92.18
418-CHB100-48S25	CHB100-48S25	36-75	2.5	20	109.50	102.95	96.75	92.18
418-CHB100-48S33	CHB100-48S33	36-75	3.3	20	109.50	102.95	96.75	92.18
418-CHB100-48S05	CHB100-48S05	36-75	5	20	109.50	102.95	96.75	92.18
418-CHB100-48S12	CHB100-48S12	36-75	12	8.3	109.50	102.95	96.75	92.18
418-CHB100-48S15	CHB100-48S15	36-75	15	6.7	109.50	102.95	96.75	92.18
418-CHB100-48S24	CHB100-48S24	36-75	24	4.17	109.50	102.95	96.75	92.18

CINCON CHB150 SERIES, 75-150W OUTPUT

Features:
- 75/150W Isolated Output
- Efficiency to 85%
- 500KHz Switching Frequency
- 2:1 Input Range
- Regulated Outputs
- Continuous Short Circuit Protection
- Five-Sided Metal Case
- Industry Standard Half-Brick Package

DIMENSIONS (IN)



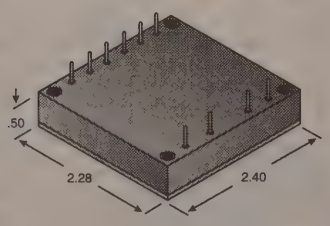
E176177

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (A)	Price Each 1	10	50	100
418-CHB150-48S25	CHB150-48S25	36-75	2.5	30	124.00	116.00	105.50	96.44
418-CHB150-48S33	CHB150-48S33	36-75	3.3	30	124.00	116.00	105.50	96.44
418-CHB150-48S05	CHB150-48S05	36-75	5	30	124.00	116.00	105.50	96.44
418-CHB150-48S12	CHB150-48S12	36-75	12	12.5	124.00	116.00	105.50	96.44
418-CHB150-48S15	CHB150-48S15	36-75	15	10	124.00	116.00	105.50	96.44
418-CHB150-48S24	CHB150-48S24	36-75	24	6.25	124.00	116.00	105.50	96.44

CINCON CHB75-DUAL SERIES, 75W OUTPUT

DIMENSIONS (IN)



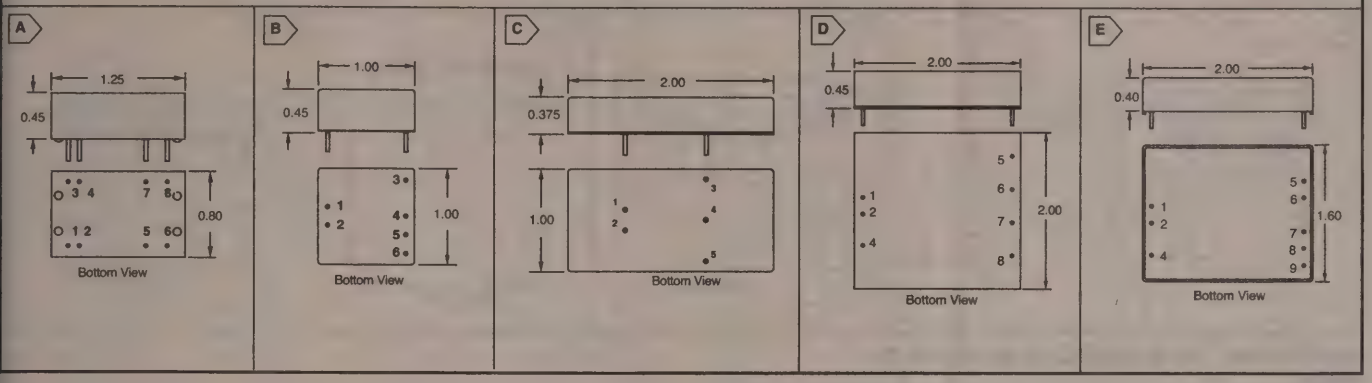
E176177

Features:
- 75W Isolated Output
- Efficiency to 84%
- 400KHz Switching Frequency
- 2:1 Input Range
- Total Power 75W with 15A Maximum Per Channel
- Regulated Outputs
- Continuous Short Circuit Protection
- Industry Standard Half-Brick Package

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	V in (VDC)	V out (VDC)	I out (A) Min.	I out (A) Max.	Price Each 1	10	50	100
418-CHB75-24D05-2V5	CHB75-24D05-2V5	18-36	V1=5	0	15	149.95	139.95	126.13	110.36
			V2=2.5	0	15				
418-CHB75-24D05-3V3	CHB75-24D05-3V3	18-36	V1=5	0	15	149.95	139.95	126.13	110.36
			V2=3.3	0	15				
418-CHB75-48D05-2V5	CHB75-48D05-2V5	36-75	V1=5	0	15	149.95	139.95	126.13	110.36
			V2=2.5	0	15				
418-CHB75-48D05-3V3	CHB75-48D05-3V3	36-75	V1=5	0	15	149.95	139.95	126.13	110.36
			V2=3.3	0	15				

Dimensions: In



UST MODELS, 3W ISOLATED SINGLE OUTPUT

Features:
- Standard DIP package and pinout
- Fully isolated, 1000VDC guaranteed
- Guaranteed efficiencies to 73%
- Internal input/output filtering
- UL1950, C22.2 No. 950, and IEC950 certified

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts Nom. (range)	Output Volts	Output Current	Price Each 1	5	10	25
580-UST5-500-D5	UST-5/500-D5	A	5 (4.5-9)	5	500mA	32.00	31.50	31.00	28.00
580-UST5-500-D12	UST-5/500-D12	A	12 (9-18)	5	500mA	32.00	31.50	31.00	28.00
580-UST12-250-D12	UST-12/250-D12	A	12 (9-18)	12	250mA	28.60	28.40	28.20	27.90
580-UST5-500-D48	UST-5/500-D48	A	48 (18-72)	5	500mA	32.00	31.50	31.00	28.00
580-UST12-250-D48	UST-12/250-D48	A	48 (18-72)	12	250mA	28.60	28.40	28.20	27.90

UWR SERIES, 3-5W ISOLATED SINGLE OUTPUT

Features:
- Fully isolated, 1000VDC guaranteed
- No external components required
- Industry-standard pinout
- Guaranteed efficiencies to 80%
- UL 1950, CSA 22.2 No. 234, and IEC 950 certified

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Total Output Power	Input Volts Nom. (Range)	Output Volts	Output Current	Price Each 1	5	10	25
580-UWR5-500-D5	UWR-5/500-D5	A	3W	5 (4.5-9)	5	500mA	44.00	43.00	42.00	39.00
580-UWR5-500-D48	UWR-5/500-D48	A	3W	48 (18-72)	5	500mA	44.00	43.00	42.00	39.00
580-UWR12-250-D48	UWR-12/250-D48	A	3W	48 (18-72)	12	250mA	44.00	43.00	42.00	39.00
580-UWR5-1000-D24	UWR-5/1000-D24	B	5W	24 (18-36)	5	1000mA	57.00	56.00	55.00	52.00
580-UWR15-335-D24	UWR-15/335-D24	B	5W	24 (18-36)	15	335mA	57.00	56.00	55.00	52.00
580-UWR12-420-D24	UWR-12/420-D24	B	5W	24 (18-36)	12	420mA	38.60	38.40	38.20	37.70

A-SERIES, UWR MODELS, 8-40W ISOLATED SINGLE OUTPUT

Features:
- Fully isolated, 1500VDC guaranteed
- Industry-standard pinouts
- Guaranteed efficiencies to 90%

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Output Power	Input Volts Nom. (Range)	Output Volts	Output Current	Price Each 1	5	10	25
580-UWR5-1600-D5A	UWR-5/1600-D5A	C	8W	5 (4.7-7.25)	5	1.6A	69.00	68.00	67.00	61.00
580-UWR12-665-D5A	UWR-12/665-D5A	C	8W	5 (4.7-7.25)	12	.665A	69.00	68.00	67.00	61.00
580-UWR5-1800-D48A	UWR-5/1800-D48A	C	9W	48 (18-75)	5	1.8A	69.00	68.00	67.00	61.00
580-UWR12-750-D48A	UWR-12/750-D48A	C	9W	48 (18-75)	12	.75A	69.00	68.00	67.00	61.00
580-UWR15-600-D48A	UWR-15/600-D48A	C	9W	48 (18-75)	15	.6A	69.00	68.00	67.00	61.00
580-UWR5-2000-D12A	UWR-5/2000-D12A	C	10W	12 (9-18)	5	2A	69.00	68.00	67.00	61.00
580-UWR12-830-D12A	UWR-12/830-D12A	C	10W	12 (9-18)	12	.83A	69.00	68.00	67.00	61.00
580-UWR5-2000-D24E	UWR-5/2000-D24E	C	10W	24 (18-36)	5	2A	72.00	71.00	70.00	64.00
580-UWR5-4000-D12A	UWR-5/4000-D12A	D	20W	12 (9-36)	5	4A	84.00	82.50	81.00	79.00
580-UWR12-1650-D12A	UWR-12/1650-D12A	D	20W	24 (9-36)	12	1.65A	84.00	82.50	81.00	79.00
580-UWR15-1300-D12A	UWR-15/1300-D12A	D	20W	24 (9-36)	15	1.3A	84.00	82.50	81.00	79.00
580-UWR5-4000-D48A	UWR-5/4000-D48A	D	20W	48 (18-75)	5	4A	84.00	82.50	81.00	79.00
580-UWR12-1650-D48A	UWR-12/1650-D48A	D	20W	48 (18-75)	12	1.65A	84.00	82.50	81.00	79.00
580-UWR5-7-D12A	UWR-5/7-D12A	D	35W	12 (10-18)	5	7A	66.40	60.30	55.40	51.50
580-UWR5-8-D24A	UWR-5/8-D24A	D	40W	24 (18-36)	5	8A	64.90	58.90	54.20	50.30
580-UWR5-8-D48A	UWR-5/8-D48A	D	40W	48 (36-75)	5	8A	64.90	58.90	54.20	50.30

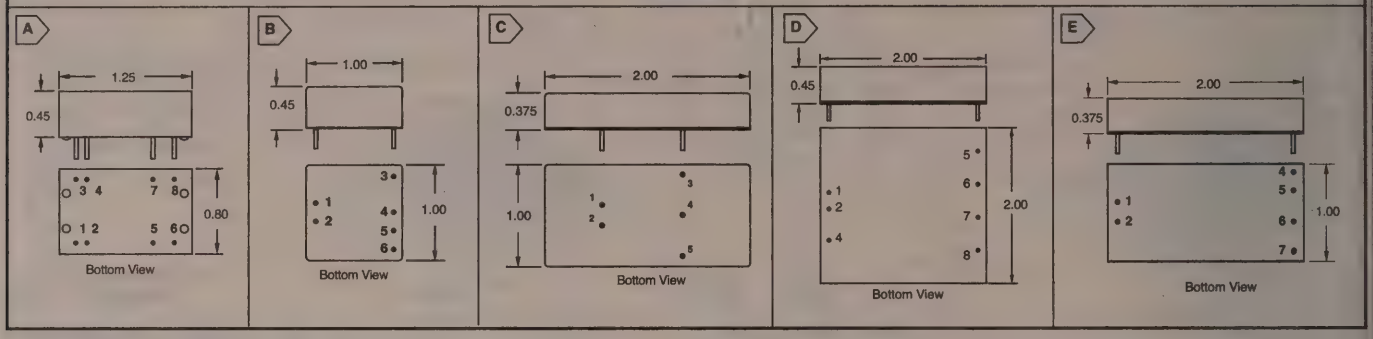
UHE SERIES, 25-30W ISOLATED SINGLE OUTPUT

Features:
- Small 1.6" x 2" package with standard 2" x 2" pinout
- 1500VDC isolation
- "Q" models offer wide input ranges
- Stable no-load operation
- Thermal shutdown, I/O protected
- Efficiencies as high as 91.5%
- UL/EN60950 certified

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Output Power	Input Volts Nom. (Range)	Output Volts	Output Current	Price Each 1	5	10	25
580-UHE12-2500-D12	UHE-12/2500-D12	E	30W	12 (9-18)	12	2.5A	53.80	53.40	53.10	52.50
580-UHE15-2000-D12	UHE-15/2000-D12	E	30W	12 (9-18)	15	2A	60.40	54.80	50.40	46.80
580-UHE12-2500-D24	UHE-12/2500-D24	E	30W	24 (18-36)	12	2.5A	52.10	51.80	51.50	50.80
580-UHE15-2000-D24	UHE-15/2000-D24	E	30W	24 (18-36	15	2A	58.90	53.40	49.10	45.60
580-UHE12-2500-D48	UHE-12/2500-D48	E	30W	48 (36-75)	12	2.5A	52.10	51.80	51.50	50.80
580-UHE3.3-7500-Q12	UHE-3.3/7500-Q12	E	25W	12 (9-36)	3.3	7.5A	61.90	56.20	51.70	48.00
580-UHE5-5000-Q12	UHE-5/5000-Q12	E	25W	12 (9-36)	5	5A	61.90	56.20	51.70	48.00
580-UHE3.3-7500-Q48	UHE-3.3/7500-Q48	E	25W	48 (18-75)	3.3	7.5A	61.90	56.20	51.70	48.00
580-UHE5-5000-Q48	UHE-5/5000-Q48	E	25W	48 (18-75)	5	5A	61.90	56.20	51.70	48.00
580-UHE12-2500-Q12	UHE-12/2500-Q12	E	30W	12 (9-36)	12	2.5A	55.40	55.10	54.80	54.10
580-UHE12-2500-Q48	UHE-12/2500-Q48	E	30W	48 (18-75)	12	2.5A	55.40	55.10	54.80	54.10

Dimensions: in



BST SERIES, 3W ISOLATED DUAL OUTPUT

Features:
- 1000VDC isolation
- Wide range input voltages
- Guaranteed efficiencies to 75%
- Internal input/output filtering
- UL1950/C22.2 No. 950/IEC950 certified

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts Nom. (range)	Output Volts	Output Current	Price Each 1	5	10	25
580-BST-5-250-D12	BST-5/250-D12	A	12 (9-18)	±5	±250mA	32.00	31.50	31.00	28.00
580-BST-5-250-D48	BST-5/250-D48	A	48 (18-72)	±5	±250mA	32.00	31.50	31.00	28.00
580-BST-12-105-D5	BST-12/105-D5	A	5 (4.5-9)	±12	±105mA	28.60	28.40	28.20	27.90
580-BST-12-125-D48	BST-12/125-D48	A	48 (18-72)	±12	±125mA	28.60	28.40	28.20	27.90
580-BST-15-85-D5	BST-15/85-D5	A	5 (4.5-9)	±15	±85mA	32.00	31.50	31.00	28.00
580-BST-15-100-D12	BST-15/100-D12	A	12 (9-18)	±15	±100mA	32.00	31.50	31.00	28.00
580-BST-15-100-D48	BST-15/100-D48	A	48 (18-72)	±15	±100mA	32.00	31.50	31.00	28.00

BWR SERIES, 3-5W ISOLATED DUAL OUTPUT

Features:
- No external components required
- Fully isolated, 1000VDC guaranteed
- Industry-standard pinout
- EMI/EMC characterized

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Total Output Power	Input Volts Nom. (Range)	Output Volts	Output Current	Price Each 1	5	10	25
580-BWR5-250-D12	BWR-5/250-D12	A	3W	12 (9-18)	±5	±250mA	44.00	43.00	42.00	39.00
580-BWR15-85-D5	BWR-15/85-D5	A	3W	5 (4.5-9)	±15	±85mA	44.00	43.00	42.00	39.00
580-BWR12-125-D12	BWR-12/125-D12	A	3W	12 (9-18)	±12	±125mA	44.00	43.00	42.00	39.00
580-BWR15-100-D48	BWR-15/100-D48	A	3W	48 (18-72)	±12	±100mA	44.00	43.00	42.00	39.00
580-BWR12-125-D48	BWR-12/125-D48	A	3W	48 (18-72)	±12	±125mA	44.00	43.00	42.00	39.00
580-BWR5-500-D24	BWR-5/500-D24	B	5W	24 (18-36)	±5	±500mA	57.00	57.00	55.00	52.00
580-BWR12-210-D24	BWR-12/210-D24	B	5W	24 (18-36)	±12	±210mA	38.60	38.40	38.20	37.70
580-BWR15-165-D24	BWR-15/165-D24	B	5W	24 (18-36)	±15	±165mA	57.00	56.00	55.00	52.00

A-SERIES, BWR MODELS, 7-20W ISOLATED DUAL OUTPUT

Features:
- Industry-standard pinouts
- Fully isolated, 1500VDC guaranteed
- Guaranteed efficiencies to 82%
- Designed to meet UL/EN60950

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Output Power	Input Volts Nom. (Range)	Output Volts	Output Current	Price Each 1	5	10	25
580-BWR5-700-D5A	BWR-5/700-D5A	C	7W	5 (4.7-7.5)	±5	±700mA	69.00	68.00	67.00	61.00
580-BWR12-335-D5A	BWR-12/335-D5A	C	8W	5 (4.7-7.5)	±12	±335mA	69.00	68.00	67.00	61.00
580-BWR15-275-D5A	BWR-15/275-D5A	C	8.3W	5 (4.7-7.5)	±15	±275mA	69.00	68.00	67.00	61.00
580-BWR15-500-D5A	BWR-15/500-D5A	D	15W	5 (4.7-7.5)	±15	±500mA	84.00	82.50	81.00	79.00
580-BWR5-900-D12A	BWR-5/900-D12A	C	9W	12 (9-18)	±5	±900mA	69.00	68.00	67.00	61.00
580-BWR12-415-D12A	BWR-12/415-D12A	C	10W	12 (9-18)	±12	±415mA	69.00	68.00	67.00	61.00
580-BWR15-330-D12A	BWR-15/330-D12A	C	10W	12 (9-18)	±15	±330mA	69.00	68.00	67.00	61.00
580-BWR5-1700-D12A	BWR-5/1700-D12A	D	17W	24 (9-36)	±5	±1700mA	84.00	82.50	81.00	79.00
580-BWR12-830-D12A	BWR-12/830-D12A	D	20W	24 (9-36)	±12	±830mA	84.00	82.50	81.00	79.00
580-BWR15-670-D12A	BWR-15/670-D12A	D	20W	24 (9-36)	±15	±670mA	84.00	82.50	81.00	79.00
580-BWR5-700-D48A	BWR-5/700-D48A	C	7W	48 (18-75)	±5	±700mA	69.00	68.00	67.00	61.00
580-BWR12-415-D48A	BWR-12/415-D48A	C	10W	48 (18-75)	±12	±415mA	69.00	68.00	67.00	61.00
580-BWR12-830-D48A	BWR-12/830-D48A	D	20W	48 (18-75)	±12	±830mA	84.00	82.50	81.00	79.00
580-BWR15-330-D48A	BWR-15/330-D48A	C	10W	48 (18-75)	±15	±330mA	69.00	68.00	67.00	61.00
580-BWR15-670-D48A	BWR-15/670-D48A	D	20W	48 (18-75)	±15	±670mA	84.00	82.50	81.00	79.00

TWR SERIES, 10-20W ISOLATED TRIPLE OUTPUT

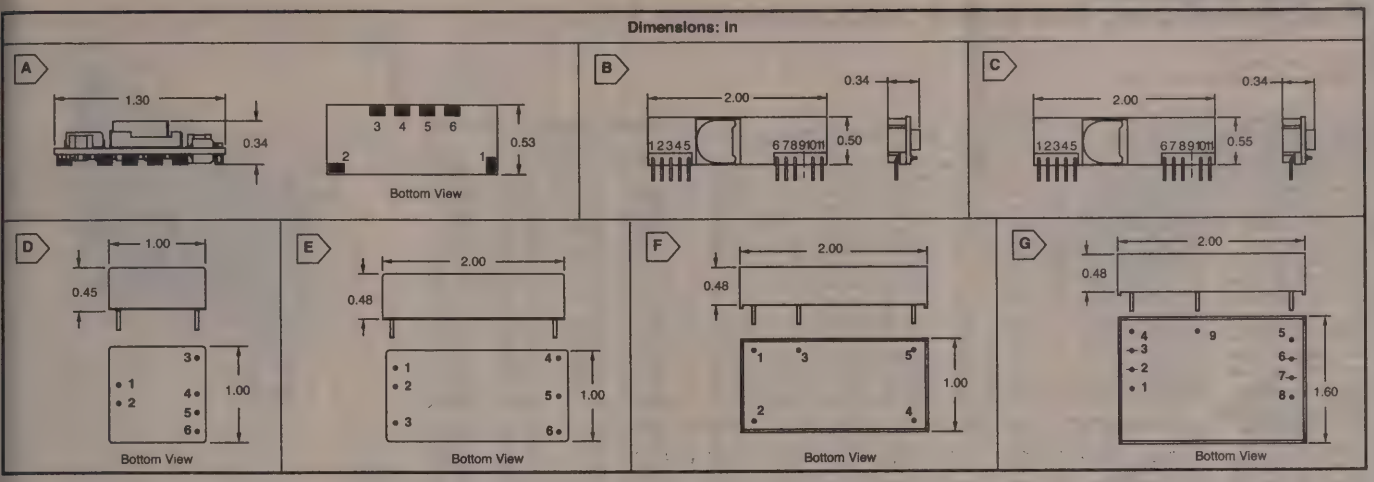
Features:
- Fully isolated, 1500VDC guaranteed
- Guaranteed efficiencies to 82%
- 20W models allow "user-allocated" power among outputs
- -40° to +100°C operating temperature
- Designed to meet UL 1950/EN60950

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Total Output Power	Input Volts Nom. (Range)	Output Volts	Output Current	Price Each 1	5	10	25
580-TWR10-5-12-D12A	TWR-5/1000-12/210-D12A	E	10W	12 (9-18)	5 ±12	1A ±210mA	72.00	71.00	70.00	64.00
580-TWR10-5-24-D24A	TWR-5/1000-12/210-D24A	E	10W	24 (18-36)	5 ±12	1A ±210mA	72.00	71.00	70.00	64.00
580-TWR11-5-15-D12A	TWR-5/1000-15/200-D12A	E	11W	12 (9-18)	5 ±15	1A ±200mA	72.00	71.00	70.00	64.00
580-TWR11-5-15-D24A	TWR-5/1000-15/200-D24A	E	11W	24 (18-36)	5 ±15	1A ±200mA	72.00	71.00	70.00	64.00
580-TWR20-5-12-D12A	TWR-5/3000-12/500-D12A	D	20W	12 (9-36)	5 ±12	3A ±500mA	88.00	86.50	85.00	83.00
580-TWR20-5-15-D12A	TWR-5/3000-15/500-D12A	D	20W	12 (9-36)	5 ±15	3A ±500mA	88.00	86.50	85.00	83.00
580-TWR20-5-12-D48A	TWR-5/3000-12/500-D48A	D	20W	48 (18-75)	5 ±12	3A ±500mA	88.00	86.50	85.00	83.00
580-TWR20-5-15-D48A	TWR-5/3000-15/500-D48A	D	20W	48 (18-75)	5 ±15	3A ±500mA	88.00	86.50	85.00	83.00

DATEL®
A SUBSIDIARY OF C&D TECHNOLOGIES

Dimensions: in



LSM SERIES, NON-ISOLATED 10A SMT PACKAGE

Features:
- Step-down buck regulators with industry-standard SMT footprint
- Non-isolated, fixed-frequency, synchronous-rectifier topology
- Tape and reel SMT package
- Stable no-load operation
- Remote on/off control
- Sense pin and output voltage trim
- EMC compliant
- UL/IEC/EN60950 certified

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Total Output Power	Input Volts Nom. (Range)	Output Volts	Output Current	Price Each 1	5	10	25
580-LSM1.5-10-D5	LSM-1.5/10-D5	A	15W	5 (4.5-5.5)	1.5	10A	17.90	17.80	17.70	17.30
580-LSM2.5-10-D5	LSM-2.5/10-D5	A	25W	5 (4.5-5.5)	2.5	10A	17.90	17.80	17.70	17.30
580-LSM3.3-10-D5	LSM-3.3/10-D5	A	33W	5 (4.5-5.5)	3.3	10A	17.90	17.80	17.70	17.30
580-LSM3.3-10-D12	LSM-3.3/10-D12	A	33W	12 (10.8-13.2)	3.3	10A	17.90	17.80	17.70	17.30
580-LSM5-10-D12	LSM-5/10-D12	A	50W	12 (10.8-13.2)	5	10A	17.90	17.80	17.70	17.30

LSN SERIES, NON-ISOLATED 10A SIP PACKAGE

Features:
- Industry-standard SIP pinout
- Efficiencies to 94% @ 10A
- Stable no-load operation
- Remote on/off and sense pins
- Trimmable output voltage
- Thermal shutdown
- EMC compliant
- UL/IEC/EN60950 certified

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Total Output Power	Input Volts Nom. (Range)	Output Volts	Output Current	Price Each 1	5	10	25
580-LSN1.2-10-D3	LSN-1.2/10-D3	B	12W	3.3 (3.0-3.6)	1.2	10A	19.90	19.40	18.90	18.40
580-LSN1.5-10-D3	LSN-1.5/10-D3	B	15W	3.3 (3.0-3.6)	1.5	10A	19.90	19.40	18.90	18.40
580-LSN1.8-10-D3	LSN-1.8/10-D3	B	18W	3.3 (3.0-3.6)	1.8	10A	19.90	19.40	18.90	18.40
580-LSN2.5-10-D3	LSN-2.5/10-D3	B	25W	3.3 (3.0-3.6)	2.5	10A	19.90	19.40	18.90	18.40
580-LSN1.2-10-D5	LSN-1.2/10-D5	B	12W	5 (4.5-5.5)	1.2	10A	19.90	19.40	18.90	18.40
580-LSN1.5-10-D5	LSN-1.5/10-D5	B	15W	5 (4.5-5.5)	1.5	10A	19.90	19.40	18.90	18.40
580-LSN1.8-10-D5	LSN-1.8/10-D5	B	18W	5 (4.5-5.5)	1.8	10A	19.90	19.40	18.90	18.40
580-LSN2.5-10-D5	LSN-2.5/10-D5	B	25W	5 (4.5-5.5)	2.5	10A	19.90	19.40	18.90	18.40
580-LSN3.3-10-D5	LSN-3.3/10-D5	B	33W	5 (4.5-5.5)	3.3	10A	19.90	19.40	18.90	18.40
580-LSN1.2-10-D12	LSN-1.2/10-D12	C	12W	12 (10.8-13.2)	1.2	10A	19.90	19.40	18.90	18.40
580-LSN1.8-10-D12	LSN-1.8/10-D12	C	18W	12 (10.8-13.2)	1.8	10A	19.90	19.40	18.90	18.40
580-LSN2.5-10-D12	LSN-2.5/10-D12	C	25W	12 (10.8-13.2)	2.5	10A	19.90	19.40	18.90	18.40
580-LSN3.3-10-D12	LSN-3.3/10-D12	C	33W	12 (10.8-13.2)	3.3	10A	19.90	19.40	18.90	18.40
580-LSN5-10-D12	LSN-5/10-D12	C	50W	12 (10.8-13.2)	5	10A	19.90	19.40	18.90	18.40

UNR SERIES, 10-25W NON-ISOLATED SINGLE OUTPUT

Features:
- Efficiencies to 91%
- On/off control; EMC compliant
- No external components required
- IEC60950/EN60950/UL1950 approvals
- Low output noise
- Quick transient response

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Total Output Power	Input Volts Nom. (Range)	Output Volts	Output Current	Price Each 1	5	10	25
580-UNR3.3-3-D5	UNR-3.3/3-D5	D	10W	5 (4.75-5.5)	3.3	3A	28.70	26.00	23.90	22.20
580-UNR5-5-D12	UNR-5/5-D12	E	25W	12 (10.8-13.6)	5	5A	43.80	39.70	36.50	33.90

FLT SERIES FILTER MODULES

When used with the recommended external capacitors, this family of filters significantly reduces both the common-mode and differential emissions injected back to the power source.

Features:
- UL approved
- A low-ESR input capacitor is recommended at the input to the DC-DC to provide a low source impedance and additional noise attenuation.
- Compatible with most modern switching DC-DC converters
- Provides both common-mode and differential-mode filtering

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (max.)	Current Rating	Resistance per Leg	Price Each 1	5	10	25
580-FLT-100V10	FLT-100V10	F	100	10A max.	4.8m	22.70	20.60	18.90	17.60
580-FLT-100V20	FLT-100V20	G	100	20A max.	9.5m	31.70	28.80	26.50	24.60

ETA-USA DC-DC Converters

ETA-USA

OT SERIES SINGLE AND DUAL OUTPUT DC-DC CONVERTERS

- Over current protection
- Operating temperture range: -20°C~+70°C

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Input Voltage	Dimensions: In.			Price Each			
						W	L	H	1	5	10	25
618-OTQ05SC05	OTQ05SC05	A	3W	5	4~8	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ12SC05	OTQ12SC05	A	3W	12	4~8	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ15SC05	OTQ15SC05	A	3W	15	4~8	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ24SC05	OTQ24SC05	A	3W	24	4~8	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ05SC1224	OTQ05SC1224	A	3W	5	8~32	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ12SC1224	OTQ12SC1224	A	3W	12	8~32	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ15SC1224	OTQ15SC1224	A	3W	15	8~32	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ24SC1224	OTQ24SC1224	A	3W	24	8~32	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ05SC2448	OTQ05SC2448	A	3W	5	18~72	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ12SC2448	OTQ12SC2448	A	3W	12	18~72	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ15SC2448	OTQ15SC2448	A	3W	15	18~72	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ24SC2448	OTQ24SC2448	A	3W	24	18~72	0.35	1.41	0.76	25.60	24.00	23.20	22.40
DC Input Dual Output												
618-OTQ22WC05	OTQ22WC05	A	3W	±12	4~8	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ23WC05	OTQ23WC05	A	3W	±15	4~8	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ22WC1224	OTQ22WC1224	A	3W	±12	8~32	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ23WC1224	OTQ23WC1224	A	3W	±15	8~32	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ22WC2448	OTQ22WC2448	A	3W	±12	18~72	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ23WC2448	OTQ23WC2448	A	3W	±15	18~72	0.35	1.41	0.76	25.60	24.00	23.20	22.40

OH SERIES SINGLE AND DUAL OUTPUT DC-DC CONVERTERS

- PCB Mountable
- Isolation Voltage: 500 Vmin
- Operating temperture range: -20°C~+71°C
- Small input current at no load
- Switching frequency 170kHz
- Over current protection

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Input Voltage	Dimensions: In.			Price Each			
						W	L	H	1	5	10	25
618-OHS05SC1224	OHS05SC1224	B	10W	5	8~32	1.00	2.00	0.44	51.18	47.99	46.39	44.79
618-OHS12SC1224	OHS12SC1224	B	10W	12	8~32	1.00	2.00	0.44	51.18	47.99	46.39	44.79
618-OHS15SC1224	OHS15SC1224	B	10W	15	8~32	1.00	2.00	0.44	51.18	47.99	46.39	44.79
618-OHS24SC1224	OHS24SC1224	B	10W	24	8~32	1.00	2.00	0.44	51.18	47.99	46.39	44.79
618-OHS05SC2448	OHS05SC2448	B	10W	5	18~72	1.00	2.00	0.44	51.18	47.99	46.39	44.79
618-OHS12SC2448	OHS12SC2448	B	10W	12	18~72	1.00	2.00	0.44	51.18	47.99	46.39	44.79
618-OHS15SC2448	OHS15SC2448	B	10W	15	18~72	1.00	2.00	0.44	51.18	47.99	46.39	44.79
618-OHS24SC2448	OHS24SC2448	B	10W	24	18~72	1.00	2.00	0.44	51.18	47.99	46.39	44.79
DC Input Dual Output												
618-OHS22WC1224	OHS22WC1224	B	10W	±12	8~32	1.00	2.00	0.44	46.82	43.89	42.43	40.96
618-OHS23WC1224	OHS23WC1224	B	10W	±15	8~32	1.00	2.00	0.44	46.82	43.89	42.43	40.96
618-OHS22WC2448	OHS22WC2448	B	10W	±12	18~72	1.00	2.00	0.44	46.82	43.89	42.43	40.96
618-OHS23WC2448	OHS23WC2448	B	10W	±15	18~72	1.00	2.00	0.44	46.82	43.89	42.43	40.96

NVD SERIES SINGLE OUTPUT DC-DC CONVERTERS

- Over current, over voltage, and thermal protection
- Operating temperture range: -20°C~+70°C

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Input Voltage	Dimensions: In.			Price Each			
						W	L	H	1	5	10	25
618-NVD05SC12	NVD05SC12	C	100W	5	9.6~16	2.56	3.98	1.34	230.10	215.72	208.52	201.33
618-NVD12SC12	NVD12SC12	C	100W	12	9.6~16	2.56	3.98	1.34	230.10	215.72	208.52	201.33
618-NVD05SC24	NVD05SC24	C	100W	5	19~32	2.56	3.98	1.34	230.10	215.72	208.52	201.33
618-NVD12SC24	NVD12SC24	C	100W	12	19~32	2.56	3.98	1.34	230.10	215.72	208.52	201.33
618-NVD3.3SC48	NVD3.3SC48	C	100W	3.3	38~63	2.56	3.98	1.34	230.10	215.72	208.52	201.33
618-NVD05SC48	NVD05SC48	C	100W	5	38~63	2.56	3.98	1.34	230.10	215.72	208.52	201.33
618-NVD24SC48	NVD24SC48	C	100W	24	38~63	2.56	3.98	1.34	230.10	215.72	208.52	201.33
618-NVD15SD	NVD15SD	C	100W	15	85~140	2.56	3.98	1.34	230.10	215.72	208.52	201.33

ETD SERIES SINGLE OUTPUT DC-DC CONVERTERS

- Over current, over voltage, and thermal protection
- Operating temperture range: -20°C~+70°C

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Input Voltage	Dimensions: In.			Price Each			
						W	L	H	1	5	10	25
618-ETD3.3SC48	ETD3.3SC48	D	100W	3.3	36~72	2.20	3.39	1.18	244.00	228.75	221.12	213.50
618-ETD05SC48	ETD05SC48	D	100W	5	36~72	2.20	3.39	1.18	244.00	228.75	221.12	213.50
618-ETD12SC48	ETD12SC48	D	100W	12	36~72	2.20	3.39	1.18	244.00	228.75	221.12	213.50
618-ETD24SC48	ETD24SC48	D	100W	24	36~72	2.20	3.39	1.18	244.00	228.75	221.12	213.50
618-ETD3.3SC300	ETD3.3SC300	D	100W	3.3	200~400	2.20	3.39	1.18	244.00	228.75	221.12	213.50
618-ETD05SC300	ETD05SC300	D	100W	5	200~400	2.20	3.39	1.18	244.00	228.75	221.12	213.50
618-ETD12SC300	ETD12SC300	D	100W	12	200~400	2.20	3.39	1.18	244.00	228.75	221.12	213.50
618-ETD24SC300	ETD24SC300	D	100W	24	200~400	2.20	3.39	1.18	244.00	228.75	221.12	213.50

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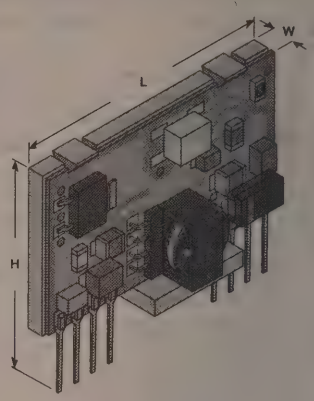

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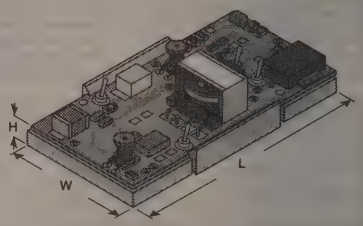

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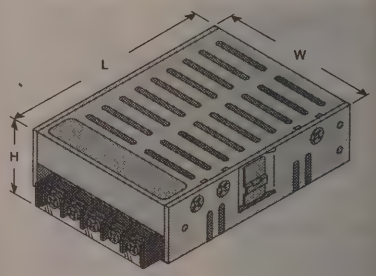

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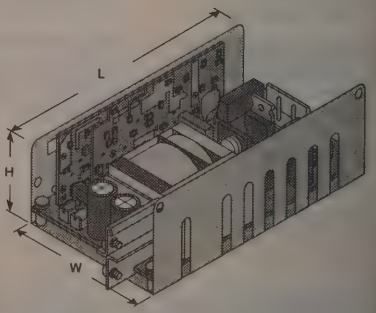


ETA-USA DC-DC Converters

ETA-USA

OB SERIES DC INPUT SINGLE OUTPUT DC-DC CONVERTERS

- Small input current at no load
- Fixed switching frequency 170 kHz
- Overcurrent protection
- 3 year warranty
- Output trimming, high efficiency
- Isolation voltage: 500V min.
- Cross to Cosel ZS & ZW Series

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Input Voltage	Dimensions (IN.)			Price Each			
						W	L	H	1	5	10	25
618-OBQ05SC05	OBQ05SC05	A	3W	5	4.5~6	0.79	1.26	0.39	19.17	17.97	17.37	16.77
618-OBQ05SC0512	OBQ05SC0512	A	3W	5	4.5~16	0.79	1.26	0.39	19.17	17.97	17.37	16.77
618-OBQ05SC12	OBQ05SC12	A	3W	5	9~18	0.79	1.26	0.39	19.17	17.97	17.37	16.77
618-OBQ05SC1224	OBQ05SC1224	A	3W	5	8~32	0.79	1.26	0.39	19.17	17.97	17.37	16.77
618-OBQ12SC0512	OBQ12SC0512	A	3W	12	4.5~16	0.79	1.26	0.39	19.17	17.97	17.37	16.77
618-OBQ12SC12	OBQ12SC12	A	3W	12	9~18	0.79	1.26	0.39	19.17	17.97	17.37	16.77
618-OBQ12SC2448	OBQ12SC2448	A	3W	12	18~72	0.79	1.26	0.39	21.36	20.03	19.36	18.69
618-OBQ15SC0512	OBQ15SC0512	A	3W	15	4.5~16	0.79	1.26	0.39	19.17	17.97	17.37	16.77
618-OBQ15SC12	OBQ15SC12	A	3W	15	9~18	0.79	1.26	0.39	19.17	17.97	17.37	16.77
618-OBQ15SC2448	OBQ15SC2448	A	3W	15	18~72	0.79	1.26	0.39	20.10	19.14	18.23	17.36
618-OBQ24SC05	OBQ24SC05	A	3W	24	4.5~6	0.79	1.26	0.39	19.17	17.97	17.37	16.77
618-OBQ24SC0512	OBQ24SC0512	A	3W	24	4.5~16	0.79	1.26	0.39	19.17	17.97	17.37	16.77
618-OBQ24SC12	OBQ24SC12	A	3W	24	9~18	0.79	1.26	0.39	19.17	17.97	17.37	16.77
618-OBQ24SC1224	OBQ24SC1224	A	3W	24	8~32	0.79	1.26	0.39	19.17	17.97	17.37	16.77
618-OBR05SC05	OBR05SC05	A	6W	5	4.5~6	1.14	1.81	0.39	29.02	27.21	26.30	25.40
618-OBR05SC0512	OBR05SC0512	A	6W	5	4.5~16	1.14	1.81	0.39	29.02	27.21	26.30	25.40
618-OBR05SC12	OBR05SC12	A	6W	5	9~18	1.14	1.81	0.39	29.02	27.21	26.30	25.40
618-OBR05SC1224	OBR05SC1224	A	6W	5	8~32	1.14	1.81	0.39	29.02	27.21	26.30	25.40
618-OBR12SC0512	OBR12SC0512	A	6W	12	4.5~16	1.14	1.81	0.39	32.80	30.75	28.70	26.65
618-OBR12SC12	OBR12SC12	A	6W	12	9~18	1.14	1.81	0.39	29.02	27.21	26.30	25.40
618-OBR24SC12	OBR24SC12	A	6W	24	9~18	1.14	1.81	0.39	29.02	27.21	26.30	25.40
618-OBS05SC12	OBS05SC12	A	10W	5	9~18	1.81	1.54	0.43	44.35	41.58	40.19	38.81
618-OBS12SC12	OBS12SC12	A	10W	12	9~18	1.81	1.54	0.43	44.35	41.58	40.19	38.81
618-OBS24SC12	OBS24SC12	A	10W	24	9~18	1.81	1.54	0.43	44.35	41.58	40.19	38.81

OE SERIES SINGLE AND DUAL OUTPUT DC-DC CONVERTERS

- Three year warranty
- Overcurrent protection
- Isolation voltage: 500V min.
- Fixed switching frequency: 170kHz
- Input range: 4-72 VDC
- Operating temperature range: -20°C ~ +71°C
- PCB Mountable
- Output trimming pin

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Input Voltage	Dimensions (IN.)			Price Each			
						W	L	H	1	5	10	25
DC Input Single Output												
618-OEJ05SC0512	OEJ05SC0512	B	1.5W	5	4.5~16	0.77	1.26	0.31	22.18	20.79	20.10	19.40
618-OEJ05SC1224	OEJ05SC1224	B	1.5W	5	8~32	0.77	1.26	0.31	22.18	20.79	20.10	19.40
618-OEJ24SC1224	OEJ24SC1224	B	1.5W	24	8~32	0.77	1.26	0.31	22.18	20.79	20.10	19.40
618-OES05SC1224	OES05SC1224	B	10W	5	8~32	1.54	1.81	0.33	41.62	39.02	37.71	36.41
618-OES24SC1224	OES24SC1224	B	10W	24	8~32	1.54	1.81	0.33	41.62	39.02	37.71	36.41
DC Input Dual Output												
618-OEJ23WC0512	OEJ23WC0512	B	1.5W	+/-15	4.5~16	0.77	1.26	0.31	23.54	22.07	21.33	20.59
618-OES22WC05	OES22WC05	B	10W	+/-12	4.5~9	1.54	1.81	0.33	42.98	40.29	38.95	37.60
618-OES22WC1224	OES22WC1224	B	10W	+/-12	8~32	1.54	1.81	0.33	42.98	40.29	38.95	37.60

OC SERIES DC INPUT SINGLE OUTPUT DC-DC CONVERTERS

- Remote on/off
- Over current protection
- PCB Mountable
- Switching frequency: 160 kHz
- Dimensions (IN.): 0.84(W) X 1.26 (L) X 0.39 (H)

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Input Voltage	Price Each			
						1	5	10	25
618-OC13.3SC1224	OC13.3SC1224	C	4.6W	3.3V 1.4A	10.2V ~ 32V	17.47	16.38	15.83	15.29
618-OC105SC1224	OC105SC1224	C	7.0W	5V 1.4A	10.2V ~ 32V	17.47	16.38	15.83	15.29
618-OC106SC1224	OC106SC1224	C	8.4W	6V 1.4A	10.2V ~ 32V	17.47	16.38	15.83	15.29
618-OC105SC2448	OC105SC2448	C	7.0W	5V 1.4A	20.4V ~ 56V	17.47	16.38	15.83	15.29
618-OC106SC2448	OC106SC2448	C	8.4W	6V 1.4A	20.4V ~ 56V	17.47	16.38	15.83	15.29
618-OC112SC2448	OC112SC2448	C	15.6W	12V 1.3A	20.4V ~ 56V	17.47	16.38	15.83	15.29
618-OC124SC48	OC124SC48	C	28.8W	24V 1.2A	38V ~ 56V	17.47	16.38	15.83	15.29

VT SERIES DC SINGLE OUTPUT DC-DC CONVERTERS

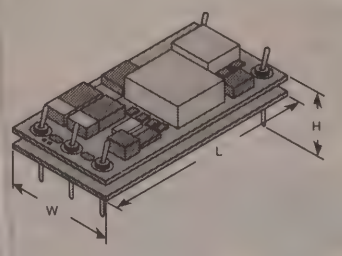
- 3 year warranty
- Chassis mount type
- Compact & high efficiency
- Over current protection

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

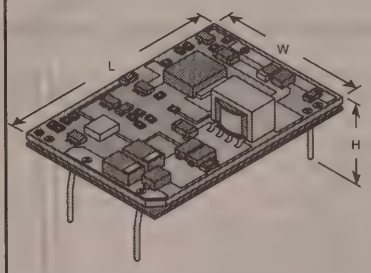
MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Input Voltage	Dimensions (IN.)			Price Each			
						W	L	H	1	5	10	25
618-VTM05SC24	VTM05SC24	D	15W	5	24	3.15	4.65	0.98	69.49	65.15	62.97	60.80
618-VTA12SC12	VTA12SC12	D	25W	12	12	3.35	5.31	1.22	101.60	95.25	92.08	88.90
618-VTA48SC24	VTA48SC24	D	25W	48	24	3.35	5.31	1.22	101.60	95.25	92.08	88.90
618-VTB24SC48	VTB24SC48	D	50W	24	48	3.78	6.30	1.30	118.19	110.81	107.11	103.42
618-VTD24SC12	VTD24SC12	D	100W	24	12	1.89	7.48	3.82	213.22	199.89	193.23	186.56
618-VTD48SC12	VTD48SC12	D	100W	48	12	1.89	7.48	3.82	213.22	199.89	193.23	186.56

A



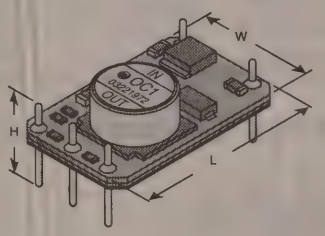
On board DC to DC converter.
Small size, high efficiency, coat effective.

B



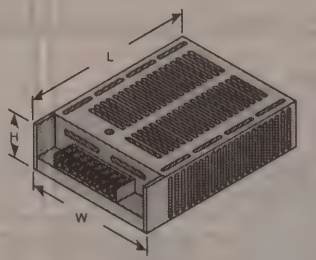
Is suitable for PCB Mounting.
The open board design results in lighter weight, lower cost, and smaller size.

C



OC1 series is a non-isolated DC-DC converter characterized by high efficiency with remote on/off, over-current protection, and over-voltage protection.

D



ECOCELL EPE SERIES, 4.2W-10.4W ISOLATED SINGLE OUTPUT

The Ecocell EPE Series are natural convection, surface mount DC-DC converters for networking applications that have been engineered especially for 48V telecom, networking and datacom applications that require high efficiency and reliability.

Features:
- SMD type
- Low profile
- MTBF >3.7 million hours
- 1,500VDC isolation voltage
- UL1950, CSA950, EN60950, CE Mark
- Alarm signal
- Remote on/off
- Parallel operation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Shindengen Part No.	Fig.	Power (max)	Input Voltage	Output Voltage	Output Current	Price Each 1	25	50
627-EPE1R2035	EPE1R2035	A	4.2W	36-75V	1.2V	3.5A	29.53	28.66	24.32
627-EPE1R3035	EPE1R3035	A	4.6W	36-75V	1.3V	3.5A	29.53	28.66	24.32
627-EPE1R5035	EPE1R5035	A	5.3W	36-75V	1.5V	3.5A	29.53	28.66	24.32
627-EPE1R8030	EPE1R8030	A	5.4W	36-75V	1.8V	3.0A	29.53	28.66	24.32
627-EPE2R1030	EPE2R1030	A	6.3W	36-75V	2.1V	3.0A	29.53	28.66	24.32
627-EPE2R0030	EPE2R0030	A	6W	36-75V	2.0V	3.0A	29.53	28.66	24.32
627-EPE2R5030	EPE2R5030	A	7.5W	36-75V	2.5V	3.0A	29.53	28.66	24.32
627-EPE3R3030	EPE3R3030	A	9.9W	36-75V	3.3V	3.0A	29.53	28.66	24.32
627-EPE5R0020	EPE5R0020	A	10W	36-75V	5.0V	2.0A	29.53	28.66	24.32
627-EPE5R2020	EPE5R2020	A	10.4W	36-75V	5.2V	2.0A	29.53	28.66	24.32

HNA SERIES, 10A SINGLE OUTPUT

The HNA Series are non-isolated converters designed to meet the precise voltage requirements of today's high performance data and telecommunications and system board level applications.

Features:
- SMT package
- Low profile
- High efficiency: 83-95%
- Remote on/off
- Output overcurrent protection
- Overtemperature protection
- Industry standard pinout
- UL/CSA60950, EN60950, CE Mark

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Shindengen Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each 1	25	50
627-HNA3R3100	HNA3R3100	B	4.5-5.5V	3.3V	10A	22.10	21.45	18.20
627-HNA2R5100	HNA2R5100	B	3.0-5.5V	2.5V	10A	22.10	21.45	18.20
627-HNA2R0100	HNA2R0100	B	3.0-5.5V	2.0V	10A	22.10	21.45	18.20
627-HNA1R8100	HNA1R8100	B	3.0-5.5V	1.8V	10A	22.10	21.45	18.20
627-HNA1R5100	HNA1R5100	B	3.0-5.5V	1.5V	10A	22.10	21.45	18.20
627-HNA1R2100	HNA1R2100	B	3.0-5.5V	1.2V	10A	22.10	21.45	18.20
627-HNA1R0100	HNA1R0100	B	3.0-5.5V	1.0V	10A	22.10	21.45	18.20
627-HNA0R9100	HNA0R9100	B	3.0-5.4V	0.9V	10A	22.10	21.45	18.20

HBE SERIES, 50W EIGHTH BRICK SINGLE OUTPUT

Features:
- 3.3V output voltage
- Up to 15A output current
- Eighth brick size (2.3" x .90")
- Up to 90% efficiency

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Shindengen Part No.	Fig.	Input Volts (typ.)	Output Volts	Output Current	Efficiency	Price Each 1	25	50
Negative Logic									
627-HBE3R3150N	HBE3R3150N	C	48	3.3	15A	90%	59.99	58.23	50.46
Positive Logic									
627-HBE3R3150P	HBE3R3150P	C	48	3.3	15A	90%	59.99	58.23	50.46

HBQ SERIES, 100W QUARTER BRICK SINGLE OUTPUT

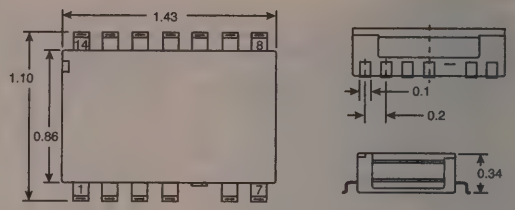
Features:
- 3.3V and 5.0V output voltage
- Up to 30A output current
- Up to 91% efficiency

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Shindengen Part No.	Fig.	Input Volts (typ.)	Output Volts	Output Current	Efficiency	Price Each 1	25	50
Negative Logic									
627-HBQ3R3300N	HBQ3R3300N	D	48	3.3	30A	90%	91.80	89.10	77.22
627-HBQ5R0200N	HBQ5R0200N	D	48	5.0	20A	91%	91.80	89.10	77.22
Positive Logic									
627-HBQ3R3300P	HBQ3R3300P	D	48	3.3	30A	90%	91.80	89.10	77.22
627-HBQ5R0200P	HBQ5R0200P	D	48	5.0	20A	91%	91.80	89.10	77.22

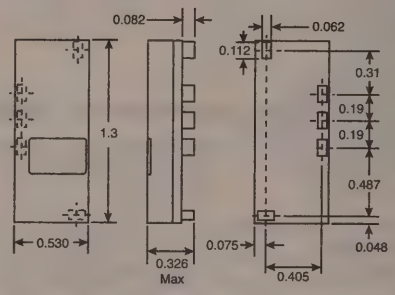
DIMENSIONS (IN)

A



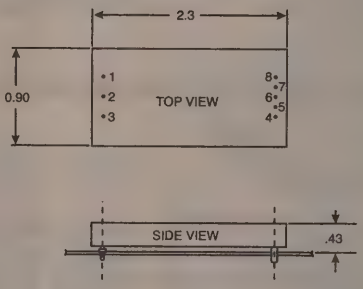
Pin No.	Name	Pin No.	Name	Pin No.	Name	Pin No.	Name	Pin No.	Name
1	Vin (-)	4	REMOTE	7	Vout (+)	10	PECout	13	STARTout
2	Vin (+)	5	-------	8	NC	11	PECin	14	OPPS
3	TEST	6	Vout (-)	9	ALM	12	STARTin		

B



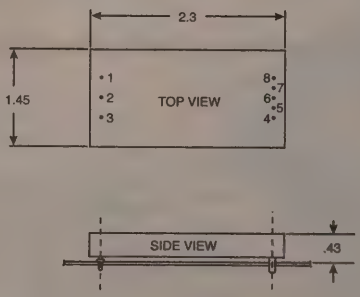
Pin No.	Name
1	Vin
2	GND
3	Vout
4	Trim
5	------
6	On/Off

C



Pin No.	Name
1	Vin (+)
2	On/Off
3	Vin (-)
4	Vout (-)
5	Sense (-)
6	Trim
7	Sense (+)
8	Vout (+)

D



Pin No.	Name
1	Vin (+)
2	On/Off
3	Vin (-)
4	Vout (-)
5	Sense (-)
6	Trim
7	Sense (+)
8	Vout (+)

VISHAY FunctionPAK™ DC-DC Converters

SINGLE OUTPUT FULLY INTEGRATED DC-DC CONVERTERS

FX5545 Series

Simplified LAB Assembly Configuration for all Models

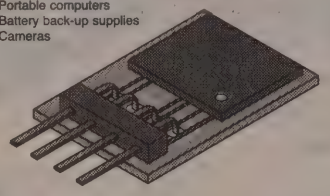
The DC/DC converter is a programmable topology synchronized Buck or Boost converter for today's continuous changing electronic market. The DC/DC converter provides flexibility of utilizing various battery configurations and chemistries such as NiCd, NiMH, or Li+ with input voltage range of 2.5V to 6V. An additional flexibility is provided with topology programmability to power multiple loads such as power amplifiers, microcontrollers, or baseband logic IC's. For ultra-high efficiency, converters are designed to operate in synchronous rectified PWM mode under full load while transforming into externally controlled pulse-skipping mode (PSM) under light load. The DC/DC converter is available in 20-ports BGA package for production. Convenient 8-pin plug-in modules are available for prototyping. In order to satisfy the stringent ambient temperature requirements, the DC/DC converter is designed to handle the industrial temperature range of -40°C to +85°C, with no cooling or derating.

Features:

- Specially designed for prototyping in LABs with limited assembly equipment
- Fully integrated DC/DC converter
- No external components required
- Buck and Boost configurations
- High efficiency over large load range 100% duty cycle
- Power density - more than 380W/inch³
- 1µA shutdown current
- 2.5V to 6V input range (1Li+ and 3-cell NiCd or NiMH cells)
- 0.9V to 6V output voltage
- Programmable PWM/PSM controls
- Low output ripple
- 1260 Temperature range: -40°C to +85°C
- Standard socket construction or plug-in for prototype (use BGA for production)
- Output power 10W
- Maximum continuous current 3A

Applications:

- Cordless phones, PDAs and others
- Supply voltage source for low-voltage chip sets
- Point of Load (POL) applications such as drivers for FPGA's, microprocessors, DSP's, amplifiers, etc.
- Portable computers
- Battery back-up supplies
- Cameras

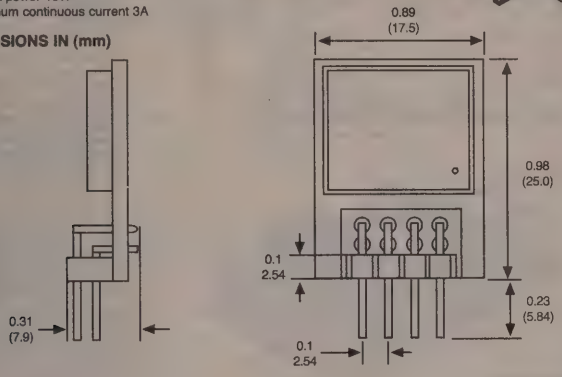


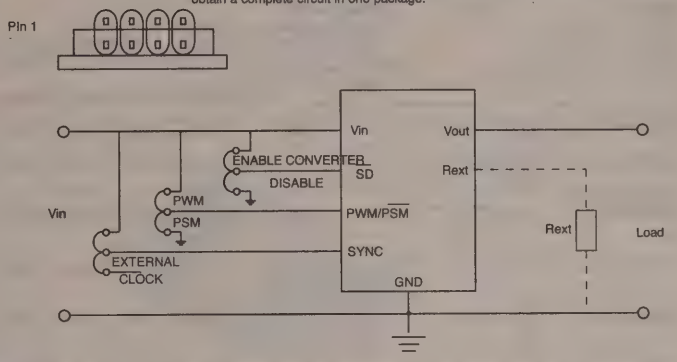
What is FunctionPAK™?

FunctionPAK is the generic name of the multichip module (MCM) product lines offered by Vishay. The name was chosen to emphasize two things:

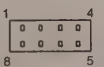
1. The products offered are complete circuit functions, not partial solutions. DC/DC converters offered by many other integrated circuit (IC) manufacturers are silicon chips that provide the base circuit application. However, the end user must then select the approximately 18 other components that surround the silicon device in order to make it a complete circuit solution. The selection of those components and the board layout affect the resultant performance, so that the efficiency defined by the IC manufacturer is not the same as the efficiency achieved in the customer's complete circuit. When purchased as a complete function, a single package contains all circuit components and is fully tested with all circuit performance parameters defined exactly as used in the customer's system.
2. The products are offered as complete circuits in monolithic packages with all the resultant savings in design time, purchasing, stocking, assembly, board space, testing, etc. It is worth noting that many applications are developed by digital engineers who prefer to leave integration to the analog engineers and appreciate the opportunity to obtain a complete circuit in one package.

DIMENSIONS IN (mm)





PIN No:	Description
1	Vout
2	GND
3	Vin
4	PWM
5	SD
6	SYNC
7	GND
8	Rext



Use Standard Strip 0.1" (2.54) Centers, Double Row, All Positions Filled

PIN DESCRIPTION	
PIN	DESCRIPTION
SD	Logic low on SD pin shuts down the FunctionPAK completely and decreases current consumption to less than 1µA.
PWM/PSM	Logic high =PWM mode, logic low =PSM mode. In PSM mode synchronous rectification is disabled.
SYNC	Externally controlled synchronization signal. Logic high to low transition forces the clock synchronization. If not used the pin must be connected to Vin or logic high.
Vin	Input supply voltage
Vout	Output voltage
GND	Ground
Rext.	Included inside the package for all fixed output voltage converters. To be added externally for all self-selected output voltages.

MOUSER STOCK NO.	Vishay Part No.	Circuit Identifier	Type	Output (Volts)	Power (Watts)	Output (Amps)	Input (Volts)	Output Volts at Amps	Price Each 1	5	10	25
70-FX5545G0011V5PI	FX5545G0011V5PI	G001	BUCK	1.5	1.5	0.6	2.5 - 6.0	1.5 at 0.6 max	31.50	27.00	18.00	16.20
70-FX5545G0011V8PI	FX5545G0011V8PI	G001	BUCK	1.8	1.5	0.6	2.5 - 6.0	1.8 at 0.6 max	31.50	27.00	18.00	16.20
70-FX5545G001ADJPI	FX5545G001ADJPI	G001	BUCK	1.35-4.5	1.5	0.6	2.5 - 6.0	1.35-4.5 at 0.6 max	31.50	27.00	18.00	16.20
70-FX5545G0025V0PI	FX5545G0025V0PI	G002	BOOST	5	1.5	0.3	2.5 - 6.0	5 at 0.3 max	31.50	27.00	18.00	16.20
70-FX5545G002ADJPI	FX5545G002ADJPI	G002	BOOST	3.3-6.0	1.5	0.3	2.5 - 6.0	3.3-6.0 at 0.3 max	31.50	27.00	18.00	16.20
70-FX5545G0051V5PI	FX5545G0051V5PI	G005	BUCK	1.5	5.0	1.5	2.5 - 6.0	1.5 at 1.5 max	31.50	27.00	18.00	16.20
70-FX5545G0051V8PI	FX5545G0051V8PI	G005	BUCK	1.8	5.0	1.5	2.5 - 6.0	1.8 at 1.5 max	31.50	27.00	18.00	16.20
70-FX5545G006ADJPI	FX5545G006ADJPI	G006	BOOST	3.3-6.0	7.5	1.5	2.5 - 6.0	3.3-6.0 at 1.5 max	31.50	27.00	18.00	16.20
70-FX5545G0081V5PI	FX5545G0081V5PI	G008	BUCK	1.5	3.6	3.0	2.5 - 6.0	1.5 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G0081V8PI	FX5545G0081V8PI	G008	BUCK	1.8	3.6	3.0	2.5 - 6.0	1.8 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G008ADJPI	FX5545G008ADJPI	G008	BUCK	1.35-4.5	3.6	3.0	2.5 - 6.0	1.35-4.5 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G018ADJPI	FX5545G018ADJPI	G018	BUCK	0.9-1.3	3.6	3.0	2.5 - 6.0	0.9-1.3 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G1051V5PI	FX5545G1051V5PI	G105	BUCK	1.5	6.5	2.0	2.5 - 6.0	1.5 at 2.0 max	31.50	27.00	18.00	16.20
70-FX5545G1051V8PI	FX5545G1051V8PI	G105	BUCK	1.8	6.5	2.0	2.5 - 6.0	1.8 at 2.0 max	31.50	27.00	18.00	16.20
70-FX5545G106ADJPI	FX5545G106ADJPI	G106	BOOST	3.3-6.0	10.0	2.0	2.5 - 6.0	3.3-6.0 at 2.0 max	31.50	27.00	18.00	16.20
70-FX5545G108ADJPI	FX5545G108ADJPI	G108	BUCK	1.35-4.5	1.5	4	2.5-6.0	1.35-4.5 at 4.0 max	31.50	27.00	18.00	16.20
70-FX5545G2011V5PI	FX5545G2011V5PI	G201	BUCK	1.5	3.0	1.0	2.5 - 6.0	1.5 at 1.0 max	31.50	27.00	18.00	16.20
70-FX5545G2011V8PI	FX5545G2011V8PI	G201	BUCK	1.8	3.0	1.0	2.5 - 6.0	1.8 at 1.0 max	31.50	27.00	18.00	16.20
70-FX5545G2013V3PI	FX5545G2013V3PI	G201	BUCK	3.3	3	1	2.5-6.0	3.3 at 1.0 max	31.50	27.00	18.00	16.20
70-FX5545G201ADJPI	FX5545G201ADJPI	G201	BUCK	1.35-4.5	3.0	1.0	2.5 - 6.0	1.35-4.5 at 1.0 max	31.50	27.00	18.00	16.20
70-FX5545G202ADJPI	FX5545G202ADJPI	G202	BOOST	3.3-6.0	3.0	0.6	2.5 - 6.0	3.3-6.0 at 0.6 max	31.50	27.00	18.00	16.20
70-FX5545G2051V5PI	FX5545G2051V5PI	G205	BUCK	1.5	8.0	2.5	2.5 - 6.0	1.5 at 2.5 max	31.50	27.00	18.00	16.20
70-FX5545G2051V8PI	FX5545G2051V8PI	G205	BUCK	1.8	8.0	2.5	2.5 - 6.0	1.8 at 2.5 max	31.50	27.00	18.00	16.20
70-FX5545G205ADJPI	FX5545G205ADJPI	G205	BUCK	1.35-4.5	8.0	2.5	2.5 - 6.0	1.35-4.5 at 2.5 max	31.50	27.00	18.00	16.20
70-FX5545G206ADJPI	FX5545G206ADJPI	G206	BOOST	3.3-6.0	15	2.5	2.5-6.0	3.3-6.0 at 2.5 max	31.50	27.00	18.00	16.20
70-FX5545G3051V5PI	FX5545G3051V5PI	G305	BUCK	1.5	10.0	3.0	2.5 - 6.0	1.5 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G3051V8PI	FX5545G3051V8PI	G305	BUCK	1.8	10.0	3.0	2.5 - 6.0	1.8 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G3052V0PI	FX5545G3052V0PI	G305	BUCK	2	10.0	3.0	2.5 - 6.0	2 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G3052V5PI	FX5545G3052V5PI	G305	BUCK	2.5	10.0	3.0	2.5 - 6.0	2.5 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G3052V7PI	FX5545G3052V7PI	G305	BUCK	2.7	10.0	3.0	2.5 - 6.0	2.7 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G3053V3PI	FX5545G3053V3PI	G305	BUCK	3.3	10.0	3.0	2.5 - 6.0	3.3 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G3053V6PI	FX5545G3053V6PI	G305	BUCK	3.6	10.0	3.0	2.5 - 6.0	3.6 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G305ADJPI	FX5545G305ADJPI	G305	BUCK	1.35-4.5	10.0	3.0	2.5 - 6.0	1.35-4.5 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G4025V0PI	FX5545G4025V0PI	G402	BOOST	5.0	5	1	2.5-6.0	5.0 at 1.0 max	31.50	27.00	18.00	16.20
70-FX5545G402ADJPI	FX5545G402ADJPI	G402	BOOST	3.3-6.0	5.0	1.0	2.5 - 6.0	3.3-6.0 at 1.0 max	31.50	27.00	18.00	16.20

40W OPEN FRAME AC TO DC SWITCHING POWER SUPPLIES

Features:
- Universal Input 90 - 264 VAC
- Efficiency to 88%
- Industry Standard Pin Out
- UL/cUL, CE, TUV Approved

Specifications:
- Inrush Current 50A/264VAC max
- Input Frequency 47 - 63 Hz
- Short Circuit Protection Continuous
- Line Regulation +/- 0.5% max
- Load Regulation +/- 1.0% max

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Volt.	Output Current	% Effic.	Price Each 1	10	50	100
418-CFM40S033	CFM40S033	A	3.3	6A	74	30.00	28.00	26.00	22.00
418-CFM40S050	CFM40S050	A	5	6A	78	30.00	28.00	26.00	22.00
418-CFM40S090	CFM40S090	A	9	4.45A	82	30.00	28.00	26.00	22.00
418-CFM40S120	CFM40S120	A	12	3.34A	84	30.00	28.00	26.00	22.00
418-CFM40S150	CFM40S150	A	15	2.67A	85	30.00	28.00	26.00	22.00
418-CFM40S240	CFM40S240	A	24	1.67A	86	30.00	28.00	26.00	22.00
418-CFM40S300	CFM40S300	A	30	1.33A	86	30.00	28.00	26.00	22.00
418-CFM40S360	CFM40S360	A	36	1.11A	87	30.00	28.00	26.00	22.00
418-CFM40S480	CFM40S480	A	48	0.834A	88	30.00	28.00	26.00	22.00

CINCON 40W DUAL / TRIPLE OUTPUT AC-DC OPEN FRAME POWER SUPPLIES

Features:
- Universal Input: 90~264VAC
- Input Frequency: 47-63Hz
- Efficiency: 75% typical
- UL/cUL, CE, TUV Approved
- Conductive EMI Meets CISPR/FCC Class B

Specifications:
- Inrush Current: 50A max @ 264VAC
- Short Circuit/Over Load Protection: On All Outputs (Auto Recovery)
- 2 x 4 Inch Footprint
- Industry Standard Pinout

For quantities of 200 and up, call for quote.

Dual Output									
418-CFM40D-01	CFM40D-01	B	5V(V1) 12V(V2)	3.2A 2.0A	77	37.95	36.50	35.10	33.75
418-CFM40D-02	CFM40D-02	B	5V(V1) 24V(V2)	3.2A 1.0A	78	37.95	36.50	35.10	33.75
Triple Output									
418-CFM40T-01	CFM40T-01	B	5V(V1) 12V(V2) -5V(V3)	3.0A 2.0A 0.3A	75	39.95	38.50	37.10	35.75
418-CFM40T-02	CFM40T-02	B	5V(V1) 12V(V2) -12V(V3)	3.0A 2.0A 0.3A	75	39.95	38.50	37.10	35.75
418-CFM40T-03	CFM40T-03	B	5V(V1) 15V(V2) -15V(V3)	3.0A 1.5A 0.3A	75	39.95	38.50	37.10	35.75
418-CFM40T-04	CFM40T-04	B	5V(V1) 24V(V2) -12V(V3)	3.0A 1.0A 0.3A	75	39.95	38.50	37.10	35.75
418-CFM40T-05	CFM40T-05	B	5V(V1) 24V(V2) -5V(V3)	3.0A 1.0A 0.3A	75	39.95	38.50	37.10	35.75
418-CFM40T-06	CFM40T-06	B	5V(V1) 24V(V2) 12V(V3)	3.0A 1.0A 0.3A	75	39.95	38.50	37.10	35.75
418-CFM40T-07	CFM40T-07	B	3.3V(V1) 5V(V2) -12V(V3)	5.0A 2.0A 0.3A	70	39.95	38.50	37.10	35.75

60 WATT OPEN FRAME AC-DC SWITCHING POWER SUPPLIES

Features:
- Universal Input 90 - 264 VAC
- Efficiency to 88%
- Industry Standard Pin Out
- UL/cUL, CE, TUV Approved

Specifications:
- Inrush Current 50A/264VAC max
- Input Frequency 47 - 63 Hz
- Short Circuit Protection Continuous
- Line Regulation +/- 0.5% max
- Load Regulation +/- 1.0% max

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Volt.	Output Current	% Effic.	Price Each 1	5	25	100
418-CFM60S033	CFM60S033	C	3.3	8A	74	32.00	30.00	28.00	25.00
418-CFM60S050	CFM60S050	C	5	8A	78	32.00	30.00	28.00	25.00
418-CFM60S090	CFM60S090	C	9	6.67A	82	32.00	30.00	28.00	25.00
418-CFM60S120	CFM60S120	C	12	5A	84	32.00	30.00	28.00	25.00
418-CFM60S150	CFM60S150	C	15	4A	85	32.00	30.00	28.00	25.00
418-CFM60S240	CFM60S240	C	24	2.5A	86	32.00	30.00	28.00	25.00
418-CFM60S300	CFM60S300	C	30	2A	86	32.00	30.00	28.00	25.00
418-CFM60S360	CFM60S360	C	36	1.67A	87	32.00	30.00	28.00	25.00
418-CFM60S480	CFM60S480	C	48	1.25A	88	32.00	30.00	28.00	25.00

100W OPEN FRAME AC TO DC POWER SUPPLIES WITH PFC

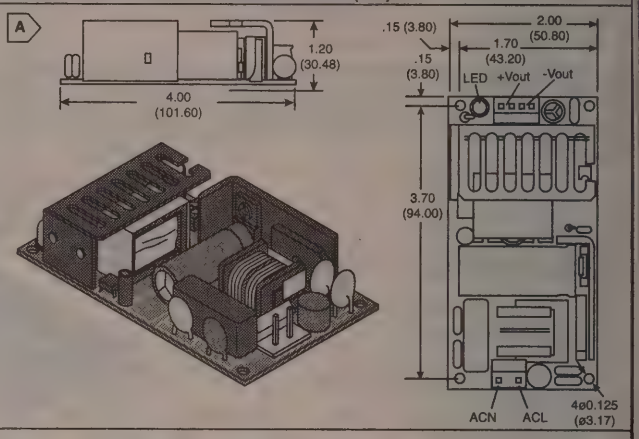
Features:
- Universal Input: 90~264VAC
- Efficiency: 85% typical
- UL/cUL, CE, TUV Approved
- Conductive EMI Meets CISPR/FCC Class B

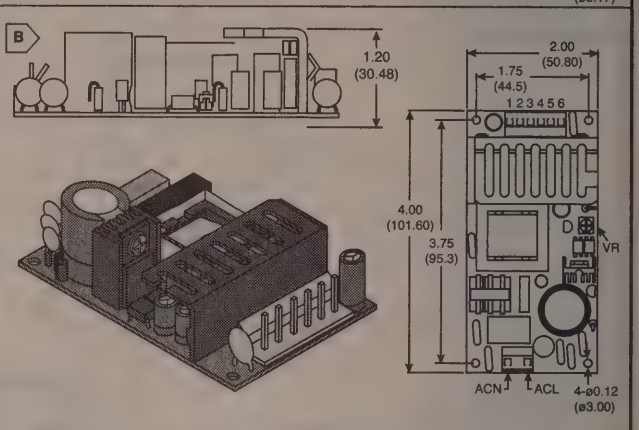
Specifications:
- Inrush Current: 50A max @ 264VAC
- Short Circuit Protection: Continuous
- Input Frequency: 47 to 63Hz
- Over Voltage Protection: Auto Recovery

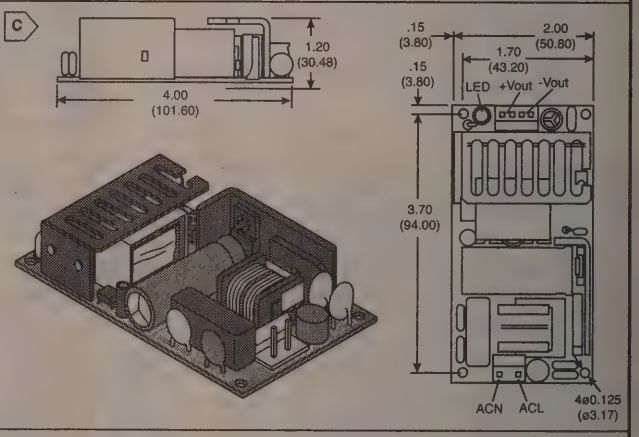
For quantities of 200 and up, call for quote.

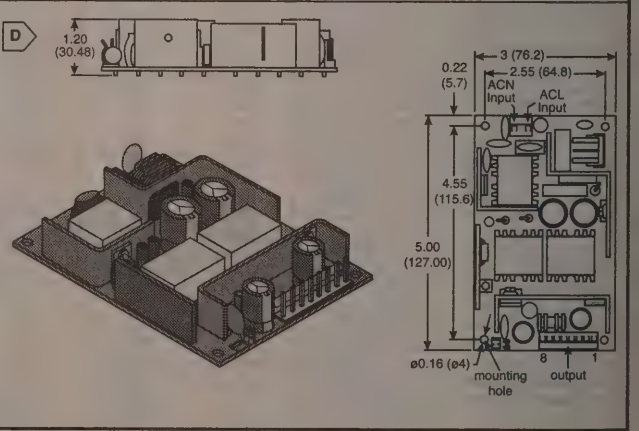
MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Volt.	Output Current	% Effic.	Price Each 1	10	50	100
418-CFM100S050	CFM100S050	D	5V	20A	83	74.95	71.25	67.75	64.50
418-CFM100S090	CFM100S090	D	9V	11.2A	84	74.95	71.25	67.75	64.50
418-CFM100S120	CFM100S120	D	12V	8.4A	84	74.95	71.25	67.75	64.50
418-CFM100S150	CFM100S150	D	15V	6.7A	85	74.95	71.25	67.75	64.50
418-CFM100S180	CFM100S180	D	18V	5.6A	85	74.95	71.25	67.75	64.50
418-CFM100S240	CFM100S240	D	24V	4.2A	85	74.95	71.25	67.75	64.50
418-CFM100S480	CFM100S480	D	48V	2.1A	85	74.95	71.25	67.75	64.50

DIMENSIONS IN (mm)









CINCON Open Frame AC to DC Power Supplies

5 WATT OPEN FRAME AC-DC SWITCHING POWER SUPPLIES

Features:
- Universal Input 90 - 264 VAC
- PCB Mountable
- Efficiency to 82%
- Industry Standard Pin Out
- UL/cUL, CE, TUV Approved

Specifications:
- Inrush Current 20A/115VAC - 40A/230VAC
- Input Frequency 47 - 63 Hz
- Short Circuit Protection Continuous
- Line Regulation +/- 0.5% max
- Load Regulation +/- 1.0% max

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Voltage	Output Current	% Efficiency	Price Each 1	5	25	100
418-CFM05S033	CFM05S033	A	3.3V	1.25A	77%	16.00	14.00	12.70	11.00
418-CFM05S050	CFM05S050	A	5.0V	1.0A	77%	16.00	14.00	12.70	11.00
418-CFM05S120	CFM05S120	A	12.0V	0.42A	77%	16.00	14.00	12.70	11.00
418-CFM05S150	CFM05S150	A	15.0V	0.33A	77%	16.00	14.00	12.70	11.00
418-CFM05S240	CFM05S240	A	24.0V	0.23A	77%	16.00	14.00	12.70	11.00

10 WATT OPEN FRAME AC-DC SWITCHING POWER SUPPLIES

Features:
- Universal Input 90 - 264 VAC
- PCB Mountable
- Efficiency to 82%
- Industry Standard Pin Out
- UL/cUL, CE, TUV Approved

Specifications:
- Inrush Current 20A/115VAC - 40A/230VAC
- Input Frequency 47 - 63 Hz
- Short Circuit Protection Continuous
- Line Regulation +/- 0.5% max
- Load Regulation +/- 1.0% max

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Voltage	Output Current	% Efficiency	Price Each 1	5	25	100
418-CFM1007S	CFM1007S	B	3.3	2500mA	65	18.00	16.00	14.00	12.00
418-CFM1001S	CFM1001S	B	5	2000mA	70	18.00	16.00	14.00	12.00
418-CFM1009S	CFM1009S	B	9	1120mA	72	18.00	16.00	14.00	12.00
418-CFM1002S	CFM1002S	B	12	840mA	75	18.00	16.00	14.00	12.00
418-CFM1003S	CFM1003S	B	15	670mA	75	18.00	16.00	14.00	12.00
418-CFM1005S	CFM1005S	B	24	420mA	78	18.00	16.00	14.00	12.00

15 WATT OPEN FRAME AC-DC SWITCHING POWER SUPPLIES

Features:
- Universal Input 90 - 264 VAC
- PCB Mountable
- Efficiency to 82%
- Industry Standard Pin Out
- UL/cUL, CE, TUV Approved

Specifications:
- Inrush Current 20A/115VAC - 40A/230VAC
- Input Frequency 47 - 63 Hz
- Short Circuit Protection Continuous
- Line Regulation +/- 0.5% max
- Load Regulation +/- 1.0% max

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Voltage	Output Current	% Efficiency	Price Each 1	5	25	100
418-CFM1507S	CFM1507S	C	3.3	3000mA	70	18.00	16.00	14.00	12.00
418-CFM1501S	CFM1501S	C	5	3000mA	73	18.00	16.00	14.00	12.00
418-CFM1509S	CFM1509S	C	9	1670mA	75	18.00	16.00	14.00	12.00
418-CFM1502S	CFM1502S	C	12	1250mA	80	18.00	16.00	14.00	12.00
418-CFM1503S	CFM1503S	C	15	1000mA	80	18.00	16.00	14.00	12.00
418-CFM1505S	CFM1505S	C	24	630mA	82	18.00	16.00	14.00	12.00

20 WATT OPEN FRAME AC-DC SWITCHING POWER SUPPLIES

Features:
- Universal Input 90 - 264 VAC
- PCB Mountable
- Efficiency to 82%
- Industry Standard Pin Out
- UL/cUL, CE, TUV Approved

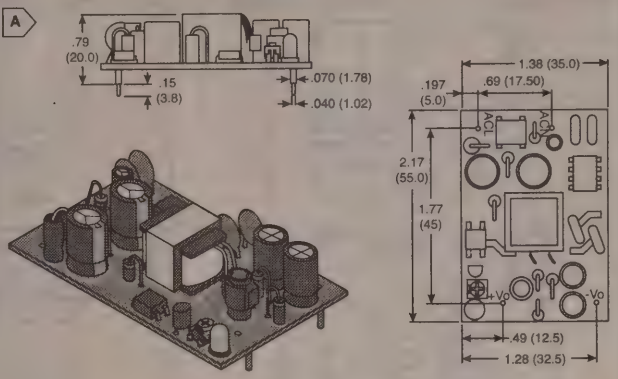
Specifications:
- Inrush Current 20A/115VAC - 40A/230VAC
- Input Frequency 47 - 63 Hz
- Short Circuit Protection Continuous
- Line Regulation +/- 0.5% max
- Load Regulation +/- 1.0% max

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Voltage	Output Current	% Efficiency	Price Each 1	5	25	100
418-CFM2007S	CFM2007S	D	3.3	4400mA	70	19.00	17.50	16.50	15.00
418-CFM2001S	CFM2001S	D	5	4400mA	73	19.00	17.50	16.50	15.00
418-CFM2009S	CFM2009S	D	9	2450mA	77	19.00	17.50	16.50	15.00
418-CFM2002S	CFM2002S	D	12	1800mA	80	19.00	17.50	16.50	15.00
418-CFM2003S	CFM2003S	D	15	1400mA	80	19.00	17.50	16.50	15.00
418-CFM2005S	CFM2005S	D	24	920mA	82	19.00	17.50	16.50	15.00

DIMENSIONS IN (mm)

A



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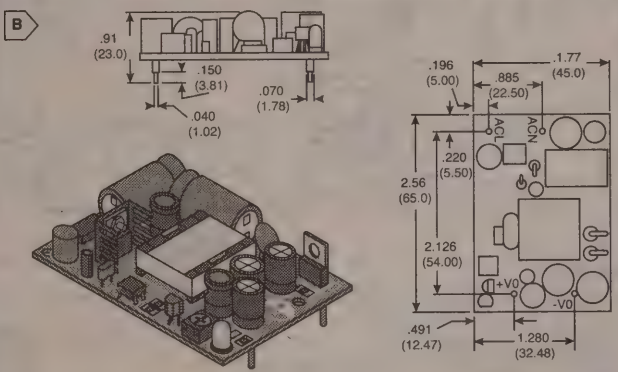

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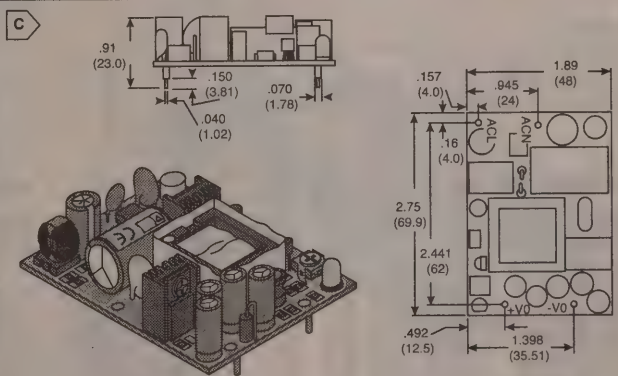

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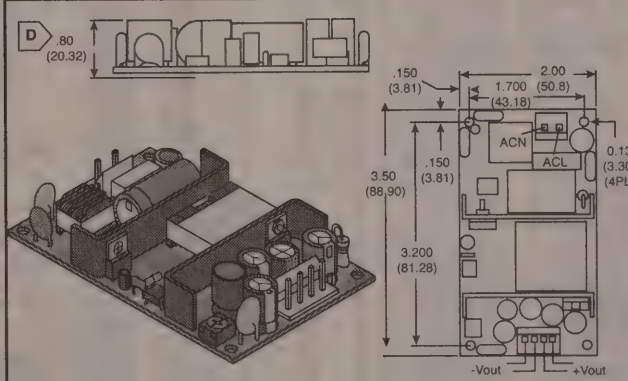
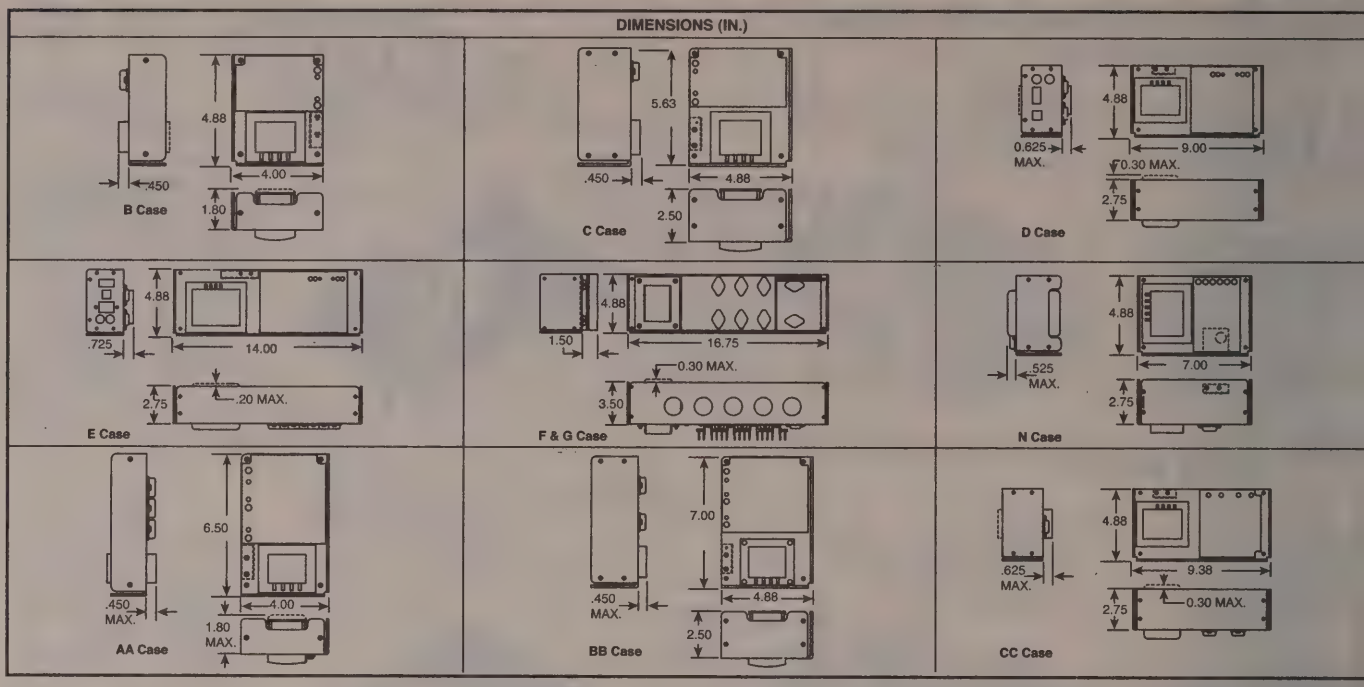
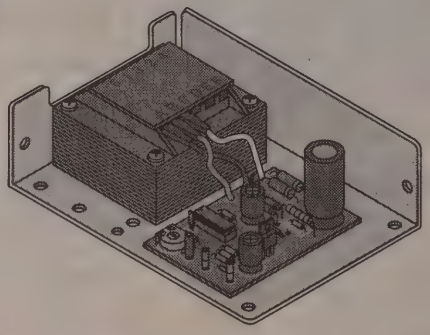


CONDOR International Linear Power Supplies

CONDOR



Specifications:
- AC Input:100, 120 & 240VAC: +10%, -13%; 215VAC: +12%, -11 %; 47 to 63Hz
  Tolerance for 230VAC operation is +15%, -10%
  Derate output current 10% for 50Hz operation
- Line Regulation: ±0.05% for a 10% change
- Load Regulation: ± 0.05% for a 50% load change
- Temperature Rating: 0 to 50°C full rated, derated linearly to 40% at 70°C
- Efficiency: 5V units: 45%; 12 and 15V units: 55%; 20 and 24V units: 60%



Features:
- World-wide AC input ranges and safety standards
- Burn-in with cycling; 3-year warranty
- Transformer insulation meets Class F (155°C)
- Exceed FCC & CISPR22 Class B conducted emissions
- Approved to UL 1950, CSA 22.2 No. 234 Level 3, and IEC 950

CONDOR SINGLE OUTPUT

*Requires fan cooling
**May require fan cooling

MOUSER STOCK NO.	Condor Part No.	Case Style	Output Voltage	Output Current	Price Each 1	Price Each 10
675-HA5-1.5OVA	HA5-1.5/OV-A+	B	5V	1.5A	36.46	33.30
675-HB5-3OVA	HB5-3/OV-A+	B	5V	3A	38.89	37.73
675-HC5-6OVA	HC5-6/OV-A+	C	5V	6A	62.97	61.11
675-HN5-9OVA	HN5-9/OV-A+	N	5V	9A	85.90	83.35
675-HD5-12OVA	HD5-12/OV-A+	D	5V	12A	96.27	93.39
*675-HE5-18OVA	HE5-18/OV-A+	E	5V	18A	142.44	138.34
*675-F5-25OVA	F5-25/OV-A+	F	5V	25A	198.00	192.72
*675-G5-35OVA	G5-35/OV-A+	G	5V	35A	249.60	242.77
675-HB12-1.7A	HB12-1.7-A+	B	12V	1.7A	38.89	37.73
675-HC12-3.4A	HC12-3.4-A+	C	12V	3.4A	57.24	55.53
675-HN12-5.1A	HN12-5.1-A+	N	12V	5.1A	80.17	77.80
675-HD12-6.8A	HD12-6.8-A+	D	12V	6.8A	91.64	88.92
*675-HE12-10.2A	HE12-10.2-A+	E	12V	10.2A	125.46	121.73
675-HA15-0.9A	HA15-0.9-A+	B	15V	0.9A	34.48	33.30
675-HB15-1.5A	HB15-1.5-A+	B	15V	1.5A	38.89	37.73
675-HC15-3A	HC15-3-A+	C	15V	3A	57.24	55.53
675-HN15-4.5A	HN15-4.5-A+	N	15V	4.5A	80.17	77.80
675-HD15-6A	HD15-6-A+	D	15V	6A	91.64	88.92
*675-HE15-9A	HE15-9-A+	E	15V	9A	125.46	121.73
*675-F15-15A	F15-15-A+	F	15V	15A	194.21	188.89
675-HA24-0.5A	HA24-0.5-A+	B	24V	0.5A	36.46	33.30
675-HB24-1.2A	HB24-1.2-A+	B	24V	1.2A	38.89	37.73
675-HC24-2.4A	HC24-2.4-A+	C	24V	2.4A	57.24	55.53
675-HN24-3.6A	HN24-3.6-A+	N	24V	3.6A	80.17	77.80
675-HD24-4.8A	HD24-4.8-A+	D	24V	4.8A	91.64	88.92
*675-HE24-7.2A	HE24-7.2-A+	E	24V	7.2A	125.46	121.73
*675-F24-12A	F24-12-A+	F	24V	12A	194.21	188.89
675-HB28-1A	HB28-1.0-A+	B	28V	1A	38.89	37.73
675-HC28-2A	HC28-2-A+	C	28V	2A	57.24	55.53
675-HN28-3A	HN28-3-A+	N	28V	3A	80.17	77.80
675-HD28-4A	HD28-4-A+	D	28V	4A	91.67	88.92
675-HE28-6A	HE28-6-A+	E	28V	6A	125.46	121.73
*675-HB48-0.5A	HB48-0.5-A+	B	48V	0.5A	44.49	43.16
675-HC48-1A	HC48-1-A+	C	48V	1A	62.97	61.11
*675-HD48-3A	HD48-3-A+	D	48V	3A	96.27	93.39
*675-HE48-4A	HE48-4-A+	E	48V	4A	136.92	132.84
*675-F48-6A	F48-6-A+	F	48V	6A	210.08	203.80

CONDOR DUAL OUTPUT

MOUSER STOCK NO.	Condor Part No.	Case Style	Output 1	Output 2	Price Each 1	Price Each 10
675-HAA5-1.5OVA	HAA5-1.5/OV-A+	AA	5V @ 1.5A	5V @ 1.5A	57.55	54.45
675-HBB5-3OVA	HBB5-3/OV-A+	BB	5V @ 3A	5V @ 3A	78.85	76.64
675-HCC5-6OVA	HCC5-6/OV-A+	CC	5V @ 6A	5V @ 6A	111.13	107.83
675-HAA512A	HAA512-A+	AA	5V @ 2A	9-15V @ 0.5A	57.24	54.38
675-HBB512A	HBB512-A+	BB	5V @ 3A	9-15V @ 1.2A	68.75	66.68
**675-HCC512A	HCC512-A+	CC	5V @ 6A	9-15V @ 2.5A	108.84	105.60
**675-HAA524A	HAA524-A+	AA	5V @ 2A	18-24V @ 0.3A	57.24	54.38
675-HBB524A	HBB524-A+	BB	5V @ 3A	18-24V @ 0.8A	69.80	67.75
675-HCC524A	HCC524-A+	CC	5V @ 6A	18-24V @ 2A	108.84	105.60
675-HAD12-0.4A	HAD12-0.4-A+	B	+12V @ 0.4A	-12V @ 0.4A	42.56	41.57
675-HAD15-0.4A	HAD15-0.4-A+	B	+15V @ 0.4A	-15V @ 0.4A	42.60	41.57
675-HAA15-0.8A	HAA15-0.8-A+	AA	+12 to 15V @ 1A/0.8A	-12 to -15V @ 1A/0.8A	49.25	47.78
675-HBB15-1.5A	HBB15-1.5-A+	BB	+12 to 15V @ 1.7A/1.5A	-12 to -15V @ 1.7A/1.5A	63.01	61.12
675-HCC15-3A	HCC15-3-A+	CC	+12 to 15V @ 3.4A/3A	-12 to -15V @ 3.4A/3A	100.80	97.80
*675-HDD15-5A	HDD15-5-A+	E	+12 to 15V @ 5A	-12 to -15V @ 5A	148.39	143.97
675-HAA24-0.6A	HAA24-0.6-A+	AA	+18 to 24V @ 0.4A/0.6A	-18 to -24V @ 0.4A/0.6A	48.10	46.67

CONDOR OVERVOLTAGE PROTECTION

Features:
- Adjustable from 6.2V to 33VDC
- Mounts directly on power supply chassis
- One OVP module is required for both single and dual output power supplies
- Protects up to a maximum continuous current of 8A and up to 12A intermittent current
- For use on 12V to 28V and ±12V and 15V models

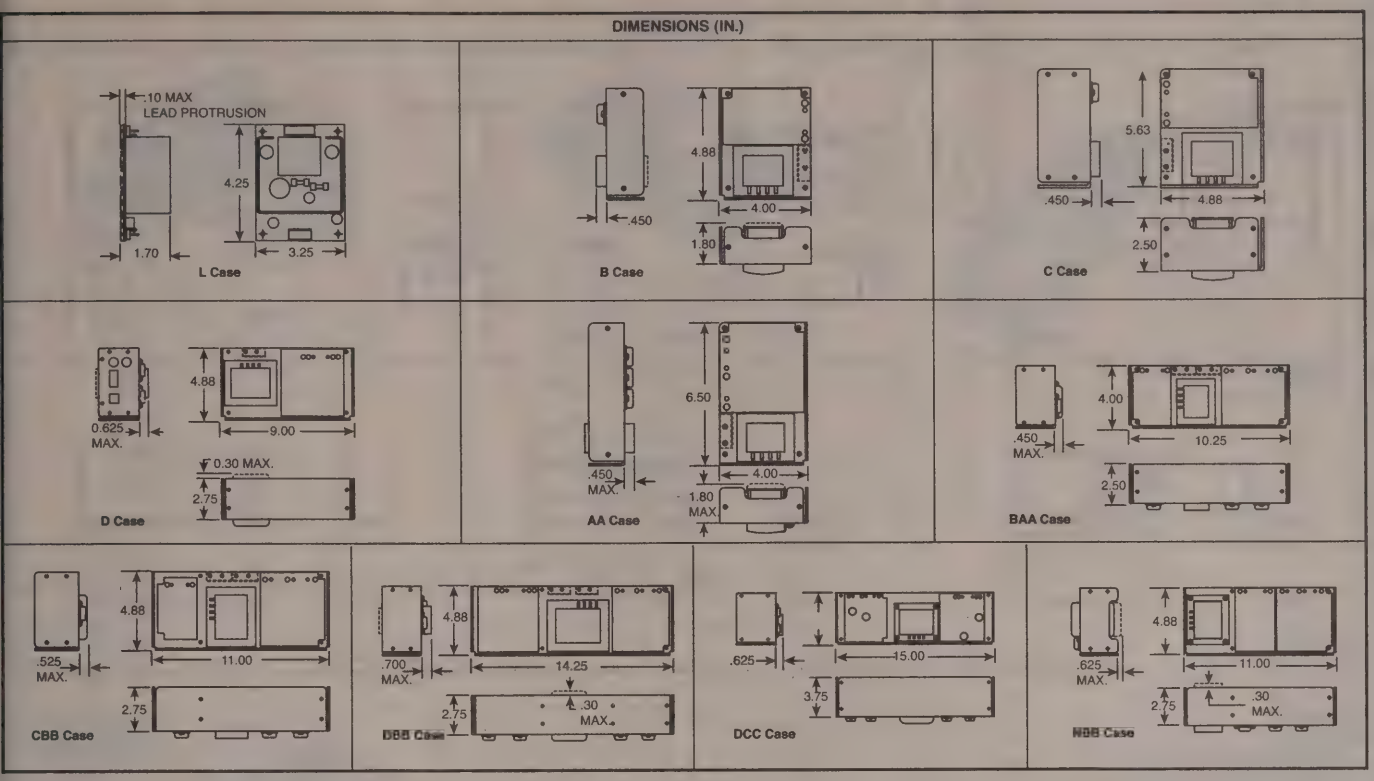
MOUSER STOCK NO.	Condor Part No.	Description	Price Each 1	Price Each 10
675-OV12	OV12	Overvoltage protection module	8.55	8.30

MOUSER ELECTRONICS a ttl company (800) 346-6873

CONDOR International & Medical Linear Power Supplies

CONDOR

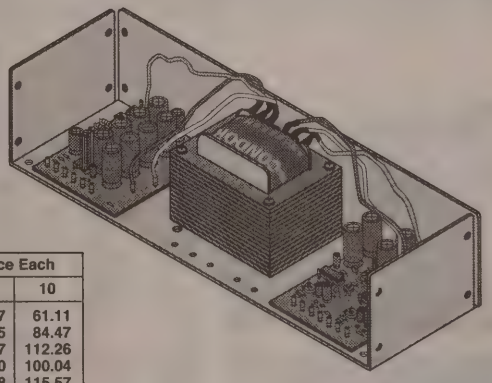
DIMENSIONS (IN.)



CONDOR INTERNATIONAL LINEAR POWER SUPPLIES - TRIPLE OUTPUT

Specifications:
- AC Input:100, 120 & 240VAC: +10%, -13%; 215VAC: +12%, -11 %; 47 to 63Hz
  Tolerance for 230VAC operation is +15%, -10%
  Derate output current 10% for 50Hz operation
- Line Regulation: ±0.05% for a 10% change
- Load Regulation: ± 0.05% for a 50% load change
- Temperature Rating: 0 to 50°C full rated, derated linearly to 40% at 70°C
- Efficiency: 5V units: 45%; 12 and 15V units: 55%; 20 and 24V units: 60%

Features:
- World-wide AC input ranges and safety standards
- Burn-in with cycling; 3-year warranty
- Transformer insulation meets Class F (155°C)
- Exceed FCC & CISPR22 Class B conducted emissions
- Approved to UL 1950, CSA 22.2 No. 234 Level 3, and IEC 950



MOUSER STOCK NO.	Condor Part No.	Case Style	Output 1	Output 2	Output 3	Price Each 1	Price Each 10
675-HTAA-16WA	HTAA-16W-A+	AA	5V @ 2A	+12 to 15V @ 0.4/0.4A	-12 to 15V @ 0.4/0.4A	62.97	61.11
675-HBAA-40WA	HBAA40W-A+	BAA	5V @ 3A	+12 to 15V @ 1/0.8A	-12 to 15V @ 1/0.8A	87.05	84.47
675-HCBB-105WA	HCBB105W-A+	CBB	5V @ 3A	+12 to 15V @ 3.4/3.0A	-12 to 15V @ 3.4/3A	116.77	112.26
675-HCAA-60WA	HCAA60W-A+	D	5V @ 6A	+12 to 15V @ 1/0.8A	-12 to 15V @ 1/0.8A	103.10	100.04
675-HCBB-75WA	HCBB75-W-A+	CBB	5V @ 6A	+12 to 15V @ 1.7/1.5A	-12 to 15V @ 1.7/1.5A	118.98	115.57
675-CP131A	CP131-A+	NBB	5V @ 8A	+12 to 15V @ 1.7/1.5A	-12 to 15V @ 1.7/1.5A	137.50	133.41
675-HDBB-105WA	HDBB105W-A+	DBB	5V @ 12A	+12 to 15V @ 1.7/1.5A	-12 to 15V @ 1.7/1.5A	154.70	150.09
675-HDCC-150WA	HDCC150W-A+	DCC	5V @ 12A	+12 to 15V @ 3.4/3A	-12 to 15V @ 3.4/3A	177.63	172.44

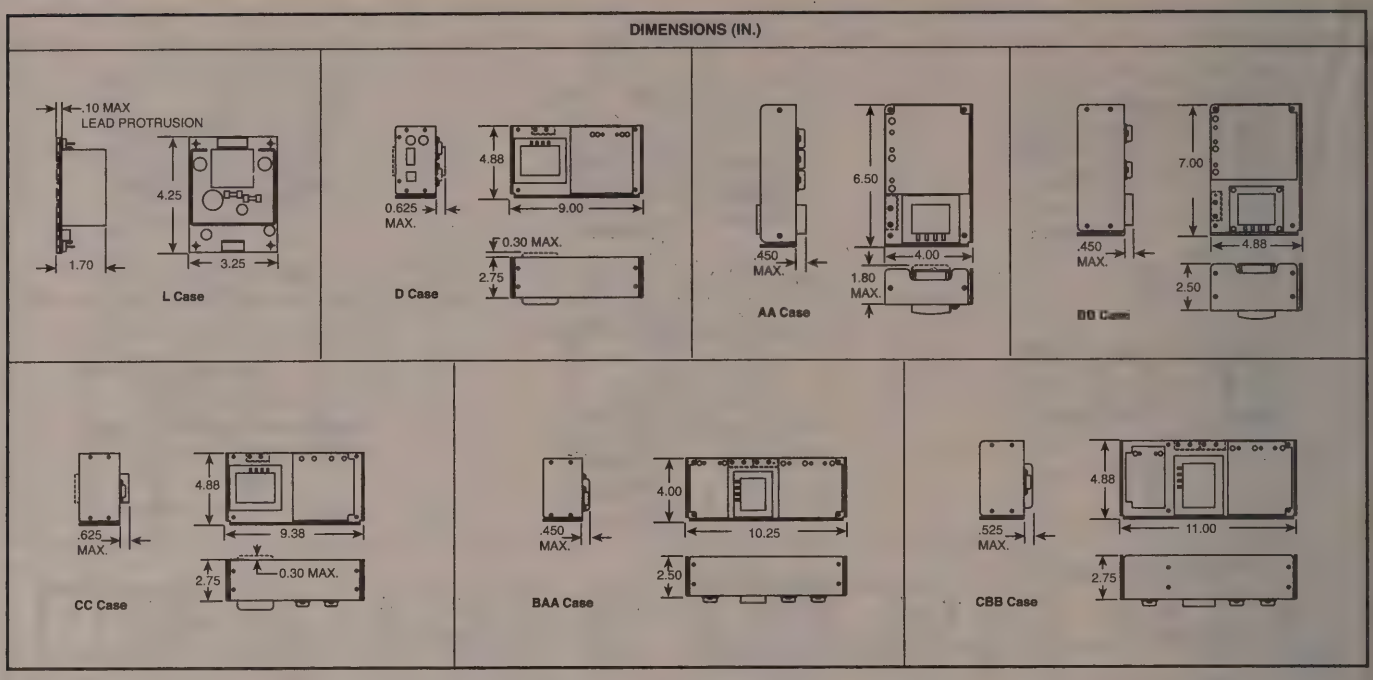
CONDOR MEDICAL LINEAR POWER SUPPLIES - SINGLE OUTPUT

Specifications:
- AC Input:
  100, 120, 220, & 240VAC: +10%, -13%; L & LL case units
  have AC input of 95-132/190-264VAC, 47 to 63Hz
  Tolerance for 230VAC operation is +15%, -10%
  Derate output current 10% for 50Hz operation
- Line Regulation: ±0.05% for a 10% change
- Load Regulation: ± 0.05% for a 50% load change
- Temperature Rating: 0 to 50°C full rated, derated linearly to 40% at 70°C
- Efficiency: 5V units: 45%; 12 and 15V units: 55%; 20 and 24V units: 60%
- Approved to UL 544, IEC 601, and CSA 22.2 No. 234 Level 3

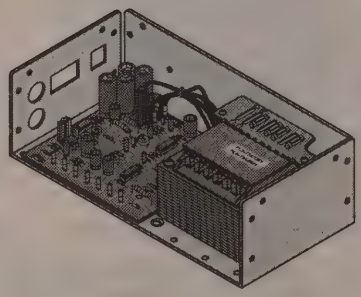
Features:
- World-wide AC input ranges and safety standards
- Burn-in with cycling; 3-year warranty
- Medical leakage current does not exceed 10µA
- Transformer insulation meets Class F (155°C)
- Exceed FCC and CISPR22 Class B conducted emissions
- All electrolytic caps rated at 105°C

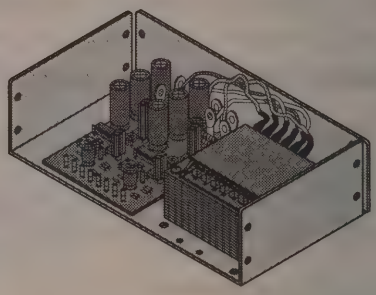
MOUSER STOCK NO.	Condor Part No.	Case Style	Output Voltage	Output Current	Leakage Current	Price Each 1	Price Each 10
675-ML5-1OVA	ML5-1-OV-A	L	5V	1.0A	2.0µA	44.72	43.38
675-MB5-3OVA	MB5-3-OV-A	B	5V	3.0A	6.0µA	53.89	52.27
675-MC5-6OVA	MC5-6-OV-A	C	5V	6.0A	6.0µA	68.80	66.74
675-MD5-12OVA	MD5-12-OV-A	D	5V	12.0A	7.5µA	106.64	103.44
675-ML12-0.5A	ML12-0.5-A	L	12V	0.5A	2.0µA	44.72	43.38
675-MB12-1.7A	MB12-1.7-A	B	12V	1.7A	6.0µA	53.89	52.27
675-MC12-3.4A	MC12-3.4-A	C	12V	3.4A	6.0µA	68.80	66.74
675-MD12-6.8A	MD12-6.8-A	D	12V	6.8A	7.5µA	106.64	103.44
675-ML15-0.4A	ML15-0.4-A	L	15V	0.4A	2.0µA	44.72	43.38

MOUSER STOCK NO.	Condor Part No.	Case Style	Output Voltage	Output Current	Leakage Current	Price Each 1	Price Each 10
675-MB15-1.5A	MB15-1.5-A	B	15V	1.5A	6.0µA	53.89	52.27
675-MD15-6A	MD15-6-A	D	15V	6.0A	7.5µA	106.64	103.44
675-MB24-1.2A	MB24-1.2-A	B	24V	1.2A	6.0µA	53.89	52.27
675-MC24-2.4A	MC24-2.4-A	C	24V	2.4A	6.0µA	68.80	66.74
675-MD24-4.8A	MD24-4.8-A	D	24V	4.8A	7.5µA	106.64	103.44
675-MB28-1A	MB28-1-A	B	28V	1.0A	6.0µA	53.89	52.27
675-MC28-2A	MC28-2-A	C	28V	2.0A	6.0µA	68.80	66.74
675-MD28-4A	MD28-4-A	D	28V	4.0A	7.5µA	106.64	103.44



Specifications:
- AC Input:
  100, 120, 220, & 240VAC: +10%, -13%; L & LL case units have AC input of 95-132/190-264VAC, 47 to 63Hz
  Tolerance for 230VAC operation is +15%, -10%
  Derate output current 10% for 50Hz operation
- Line Regulation: ±0.05% for a 10% change
- Load Regulation: ± 0.05% for a 50% load change
- Temperature Rating: 0 to 50°C full rated, derated linearly to 40% at 70°C
- Efficiency: 5V units: 45%; 12 and 15V units: 55%; 20 and 24V units: 60%
- Approved to UL 544, IEC 601, and CSA 22.2 No. 234 Level 3





Features:
- World-wide AC input ranges and safety standards
- Burn-in with cycling; 3-year warranty
- Medical leakage current does not exceed 10µA
- Transformer insulation meets Class F (155°C)
- Exceed FCC and CISPR22 Class B conducted emissions
- All electrolytic caps rated at 105°C

CONDOR DUAL OUTPUT

MOUSER STOCK NO.	Condor Part No.	Case Style	Output 1	Output 2	Leakage Current	Price Each 1	Price Each 10
675-MLL12-0.25A	MLL12-0.25-A	L	+12V @ 0.25A	-12V @ 0.25A	2.0µA	52.75	51.16
675-MLL15-0.2A	MLL15-0.2-A	L	+15V @ 0.20A	-15V @ 0.20A	2.0µA	52.75	51.16
675-MAA15-0.8A	MAA15-0.8-A	AA	+12/15V @ 1.0/0.8A	12/15V @ 1.0/0.8A	6.0µA	60.78	58.95
675-MBB15-1.5A	MBB15-1.5A	BB	+12/15V @ 1.7/1.5A	-12/15V @ 1.7/1.5A	6.0µA	77.98	75.64
675-MCC15-3A	MCC15-3-A	CC	+12/15V @ 3.43/3.0A	-12/15V @ 3.43/3.0A	7.5µA	116.95	113.46
675-MAA512A	MAA512-A	AA	5V @ 2.0A	9-15V @ 0.5A	6.0µA	69.94	67.86
675-MBB512A	MBB512-A	BB	5V @ 3.0A	9-15V @ 1.25A	6.0µA	84.85	82.30
675-MCC512A	MCC512-A	CC	5V @ 6.0A	9-15V @ 2.5A	7.5µA	126.13	122.35
675-MCC524A	MCC524-A	CC	5V @ 6.0A	18-24V @ 2.0A	7.5µA	126.13	122.35

CONDOR TRIPLE OUTPUT

† Usable at -5V, rate at 1/2 of 15V current rating

MOUSER STOCK NO.	Condor Part No.	Case Style	Output 1	Output 2	Output 3 †	Leakage Current	Price Each 1	Price Each 10
675-MTLL-5WA	MTLL-5W-A	L	+5V @ 0.5A	+12 to 15V @ 0.1A	-12 to 15V @ 0.1A	2.0µA	60.78	58.95
675-MTAA-16WA	MTAA-16W-A	AA	5V @ 2.0A	+12 to 15V @ 0.4A	-12 to 15V @ 0.4A	2.0µA	75.68	73.41
675-MBAA-40WA	MBAA40W-A	BAA	5V @ 3.0A	+12/15V @ 1.0/0.8A	-12/15V @ 1.0/0.8A	6.0µA	100.91	97.87
675-MCAA-60WA	MCAA60W-A	D	5V @ 6.0A	+12/15V @ 1.0/0.8A	-12/15V @ 1.0/0.8A	6.0µA	122.69	119.01
675-MCBB-75WA	MCBB75W-A	CBB	5V @ 6.0A	+12/15V @ 1.71/1.5A	-12/15V @ 1.7/1.5A	7.5µA	135.31	131.24

CONDOR Switching Power Supplies

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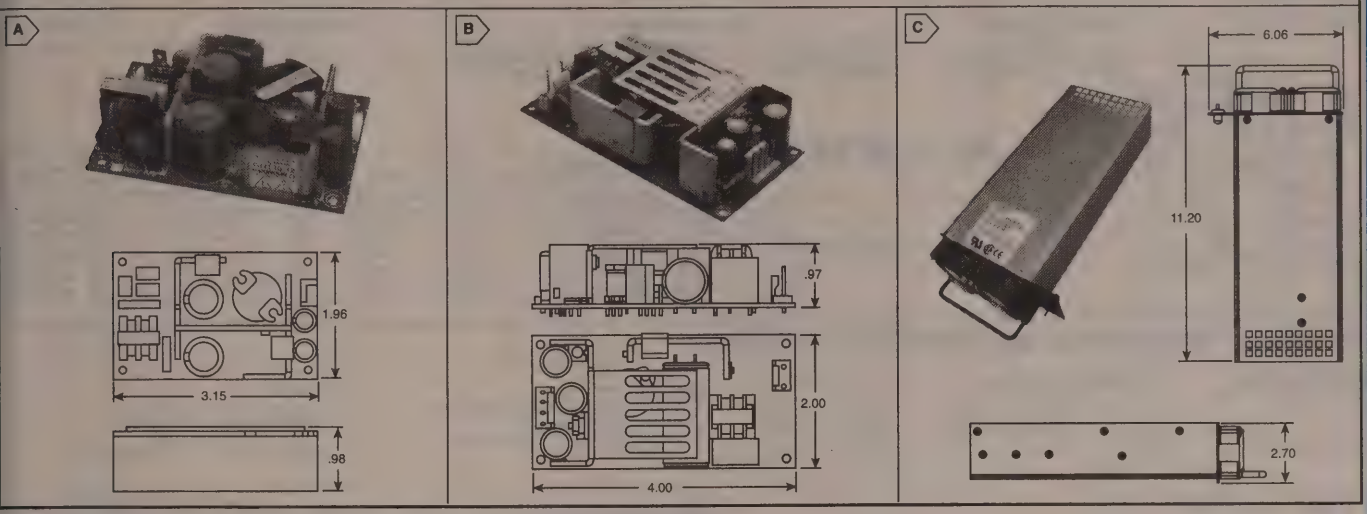
DIMENSIONS (IN)



CONDOR GNT30 SERIES, 30W COMMERCIAL / MEDICAL SWITCHERS

Specifications:
- 85-264 VAC input range
- Overvoltage and short circuit protection
- Approved to UL, CSA and EN Standards
- Small 50mm x 80mm footprint
- Ground Leakage Current: 100µA; 132VAC 60Hz
- Ideal for medical and commercial device applications

Mating Connectors:

	Housing	Contact
Input	571-13758203 (Qty. 1)	571-14453363 (Qty. 2)
Output	571-13758204 (Qty. 1)	571-14453363 (Qty. 4)

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Condor Part No.	Fig.	Output Voltage	Output Current: Convection 40°C	Output Current: Convection 50°C	Output Current: 150 l.f.m. air flow 50°C	Ripple	Price Each: 1	10	25	50
675-GNT30-5	GNT30-5	A	5V	4.0A	3.2A	6.0A	70mV	57.19	54.18	51.17	45.15
675-GNT30-12	GNT30-12	A	12V	2.5A	2.5A	2.5A	120mV	57.19	54.18	51.17	45.15
675-GNT30-15	GNT30-15	A	15V	2.0A	2.0A	2.0A	150mV	57.19	54.18	51.17	45.15
675-GNT30-24	GNT30-24	A	24V	1.25A	1.25A	1.25A	240mV	57.19	54.18	51.17	45.15
675-GNT30-28	GNT30-28	A	28V	1.07A	1.1A	1.07A	280mV	57.19	54.18	51.17	45.15
675-GNT30-48	GNT30-48	A	48V	0.625A	0.416A	0.625A	480mV	57.19	54.18	51.17	45.15

CONDOR GNT60 SERIES, 60W COMMERCIAL / MEDICAL SWITCHERS

Specifications:
- 100-240 VAC nominal input range
- Overvoltage and short circuit protection
- Approved to UL, CSA and EN Standards
- Ground Leakage Current: 200µA; 240VAC 60Hz
- Ideal for medical and commercial device applications

Mating Connectors:

	Housing	Contact
Input	571-6402502 (Qty. 1)	571-6407061 (Qty. 2)
Output	571-6402504 (Qty. 1)	571-6407061 (Qty. 4)

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Condor Part No.	Fig.	Output Voltage	Output Current: Convection 40°C	Output Current: Convection 50°C	Output Current: with Fan 50°C	Ripple	Price Each: 1	10	25	50
675-GNT60-12	GNT60-12	B	12V	4.2A	3.35A	5.0A	120mV	63.55	60.21	56.87	50.18
675-GNT60-15	GNT60-15	B	15V	4.0A	3.7A	4.35A	150mV	63.55	60.21	56.87	50.18
675-GNT60-24	GNT60-24	B	24V	2.7A	1.9A	2.7A	240mV	63.55	60.21	56.87	50.18

CONDOR GPHP SERIES, 600 / 700W HOT SWAP RACK MOUNT SWITCHERS

Specifications:
- 90-264 VAC nominal input range
- Overvoltage and short circuit protection
- Approved to UL, CSA and EN Standards
- Power good LED
- Low leakage
- EN60950 approval
- Hot-swap capable
- Ground Leakage Current: 160µA; 264VAC 60Hz

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Condor Part No.	Fig.	Output Voltage	Output Current	Peak Output: Voltage	Peak Output: Current	Ripple	Price Each: 1	10	25	50
675-GPHP600-24	GPHP600-24	C	24V	25A	24V	27A	240mV	627.75	607.50	587.25	567.00
675-GPHP600-28	GPHP600-28	C	28V	21.5A	28V	23.5A	240mV	627.75	607.50	587.25	567.00
675-GPHP600-36	GPHP600-36	C	36V	17A	36V	19A	240mV	627.75	607.50	587.25	567.00
675-GPHP700-48	GPHP700-48	C	48V	14A	48V	15.6A	240mV	627.75	607.50	587.25	567.00

CONDOR GPMP SERIES, 600 / 700W RACK MOUNT SWITCHERS

Specifications:
- 90-264 VAC universal input range
- Overvoltage and short circuit protection
- Approved to UL, CSA and EN Standards
- Power good LED
- Low leakage
- High efficiency
- EN60601 and CE approvals
- Ground Leakage Current: 160µA; 264VAC 60Hz

For quantities 100 and up, call for quote.

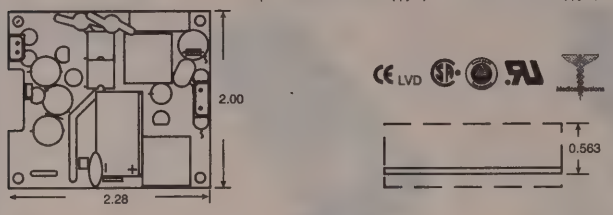
MOUSER STOCK NO.	Condor Part No.	Fig.	Output Voltage	Output Current	Peak Output: Voltage	Peak Output: Current	Ripple	Price Each: 1	10	25	50
675-GPMP600-24	GPMP600-24	C	24V	25A	24V	27A	240mV	627.75	607.50	587.25	567.00
675-GPMP600-28	GPMP600-28	C	28V	21.5A	28V	23.5A	240mV	627.75	607.50	587.25	567.00
675-GPMP600-36	GPMP600-36	C	36V	17A	36V	19A	240mV	627.75	607.50	587.25	567.00
675-GPMP700-48	GPMP700-48	C	48V	14A	48V	15.6A	240mV	627.75	607.50	587.25	567.00

GSM7 SERIES, 7W MEDICAL SWITCHERS

DIMENSIONS (IN.)

Mating Connectors:

	Housing	Contact
Input	538-50-37-5033 (qty 1)	538-08-70-1040 (qty 2)
Output	538-50-37-5023 (qty 1)	538-08-70-1040 (qty 2)



Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Overload Protection: Fully protected against short circuit and output overload
- Efficiency: 72% minimum

Features:
- World's smallest medically approved 7W supply
- 2.00" x 2.28" x 0.56"
- Ideal for ultra-compact applications
- Leakage Current: 35µA
- Safety approved to UL 2601 and IEC 601-1
- EMI to CISPR 11 Class B/IEC 601-1-2

For quantities of 25 and up, call for quote.

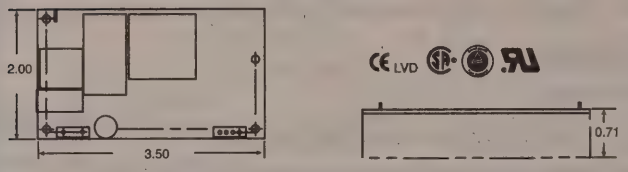
MOUSER STOCK NO.	Output Voltage	Output Current	Load Regulation	Initial Setpoint Tolerance	OVP Setpoint	Ripple/ Noise	Price Each	
Mfr. Mfr. Part No.							1	10
675—GSM7-5	5.1V	1.4A	0.75%	2.50%	6.2±0.6V	1%	30.68	29.15
675—GSM7-12	12V	0.6A	0.75%	2.50%	14±1.1V	1%	30.68	29.15
675—GSM7-15	15V	0.5A	0.75%	2.50%	18.5±1.5V	1%	30.68	29.15
675—GSM7-24	24V	0.3A	0.75%	2.50%	28±2.5V	1%	30.68	29.15
675—GSM7-28	28V	0.3A	0.75%	2.50%	34±2.8V	1%	30.68	29.15

GSC20 SERIES, 20W COMMERCIAL SWITCHERS

DIMENSIONS (IN.)

Mating Connectors:

	Housing	Contact
Input	538-50-37-5043 (qty 1)	538-08-70-1040 (qty 4)
Output	538-50-37-5043 (qty 1)	538-08-70-1040 (qty 4)



Specifications:
- AC Input: 90-264VAC, 47-63Hz single phase
- Efficiency: 70% minimum
- Safety approved to UL 1950, IEC 95, and CSA 22.2 No. 234 Level 3

Features:
- Industry's smallest 20W switcher
- Business-card size (2.0" x 3.5" x 0.71")
- EMI FCC Class B, CISPR22B
- Leakage Current: 200µA, 132VAC/60Hz

For quantities of 25 and up, call for quote.

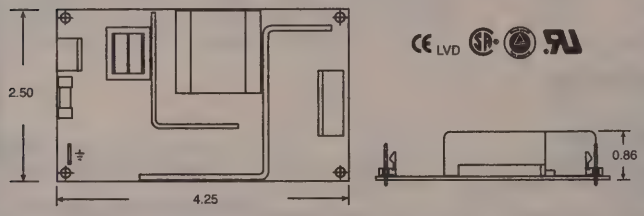
MOUSER STOCK NO.	Output Voltage	Output Current	Load Regulation	Initial Setpoint Tolerance	OVP Setpoint	Ripple/ Noise	Price Each	
Mfr. Mfr. Part No.							1	10
675—GSC20-5	5.1V	3.8A	0.75%	2.50%	6.2 ± 0.6V	1.40%	50.40	47.88
675—GSC20-12	12V	1.7A	0.75%	2.50%	15.6 ± 1.1V	1%	50.40	47.88
675—GSC20-15	15V	1.4A	0.75%	2.50%	18.5 ± 1.5V	1%	50.40	47.88
675—GSC20-24	24V	0.85A	0.75%	2.50%	28 ± 2.5V	1%	50.40	47.88
675—GSC20-28	28V	0.7A	0.75%	2.50%	34 ± 2.8V	1%	50.40	47.88

GSC25 SERIES, 25W COMMERCIAL SWITCHERS

DIMENSIONS (IN.)

Mating Connectors:

	Housing	Contact
Input	538-09-50-8031 (qty 1)	538-08-50-0189 (qty 2)
Output	538-09-50-3061 (qty 1)	538-08-50-0189 (qty 6)



Features:
- Industry's smallest 25W switcher
- EMI FCC Class B, CISPR22B
- Overvoltage protection standard
- Normal Leakage: 175µA, 132VAC @ 60Hz

Specifications:
- AC Input: 90-264VAC, 47-63Hz single phase
- Efficiency: 70% minimum
- Safety approved to UL 1950, IEC 950, and CSA 22.2 No. 234 Level 3

For quantities of 25 and up, call for quote.

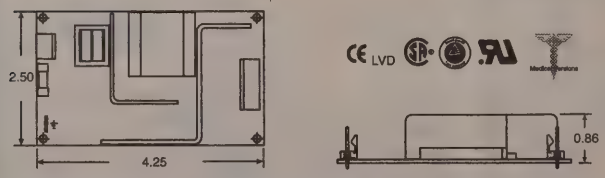
MOUSER STOCK NO.		Output Voltage	Output Current	Load Regulation	Initial Setpoint Tolerance	OVP Setpoint	Ripple/ Noise	Price Each	
Mfr. Mfr. Part No.								1	10
675—GSC25A	1	+5.1V	2.5A	1%	1%	6.2 ± 0.6V	1%	53.55	50.87
	2	+12V	1.5A	4%	3%		1%		
	3	-12V	0.2A	1%	4%		1%		
675—GSC25B	1	+5.1V	2.5A	1%	1%	6.2 ± 0.6V	1%	53.55	50.87
	2	+15V	1.5A	4%	3%		1%		
	3	-15V	0.2A	1%	4%		1%		
675—GSC25D	1	+5.1V	2.5A	1%	1%	6.2 ± 0.6V	1%	53.55	50.87
	2	+24V	1.0A	4%	3%		1%		
	3	-12V	0.2A	1%	4%		1%		

GSM25 SERIES, 25W MEDICAL SWITCHERS

DIMENSIONS (IN.)

Mating Connectors:

	Housing	Contact
Input	571-6402503 (qty 1)	571-7705221 (qty 2)
Output	571-6402506 (qty 1)	571-7705221 (qty 6)



Specifications:
- AC Input: 90-264VAC, 47-63Hz single phase
- Overload Protection: Fully protected against short circuit and output overload
- Efficiency: 70% minimum
- Medical Safety approved to UL 2601, CSA 22.2 No. 601, IEC 601-1, En 60601

Features:
- Industry's smallest 25W switcher
- EMI FCC Class B, CISPR22B
- Overvoltage protection standard
- Fixed-frequency operation
- Leakage Current: 50µA, 132VAC/60Hz

For quantities of 25 and up, call for quote.

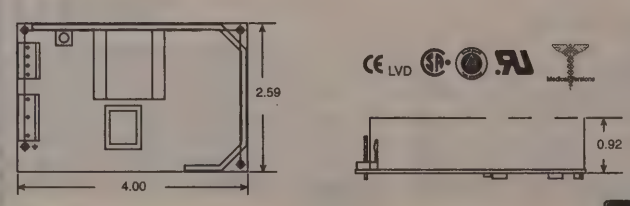
MOUSER STOCK NO.		Output Voltage	Output Current	Load Regulation	Initial Setpoint Tolerance	OVP Setpoint	Ripple/ Noise	Price Each	
Mfr. Mfr. Part No.								1	10
675—GSM25A	1	+5.1V	2.5A	1%	1%	6.2 ± 0.6V	1%	66.94	63.60
	2	+12V	1.5A	4%	3%		1%		
	3	-12V	0.2A	1%	4%		1%		
675—GSM25B	1	+5.1V	2.5A	1%	1%	6.2 ± 0.6V	1%	66.94	63.60
	2	+15V	1.5A	4%	3%		1%		
	3	-15V	0.2A	1%	4%		1%		
675—GSM25D	1	+5.1V	2.5A	1%	1%	6.2 ± 0.6V	1%	66.94	63.60
	2	+24V	1.0A	4%	3%		1%		
	3	-12V	0.2A	1%	4%		1%		

GSM28 SERIES, 28W MEDICAL SWITCHERS

DIMENSIONS (IN.)

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-6402504 (qty 1)	571-7705221 (qty 4)



Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Overload Protection: Fully protected against short circuit and output overload

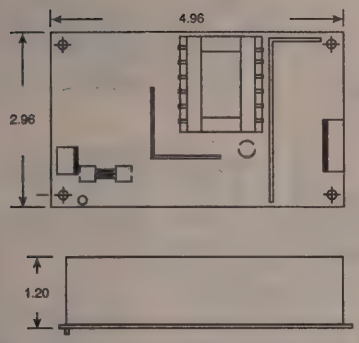
Features:
- Industry's smallest 28W medically approved switcher
- Compact size (4.00" x 2.59" x 0.92")
- Less than 25µA leakage current @ 120VAC
- EMI compliance to FCC and CISPR11 Class B
- Overvoltage protection standard
- Safety approved to UL 2601-1, IEC 601-1, EN 60601-1, CSA 22.2 No. 234

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Output Voltage	Output Current	Load Regulation	Initial Setpoint Tolerance	OVP Setpoint	Ripple/ Noise	Price Each	
Mfr. Mfr. Part No.							1	10
675—GSM28-5	5.1V	5.5A	0.75%	2.50%	6.2 ± 0.6V	1.40%	54.60	51.87
675—GSM28-12	12V	2.3A	0.75%	2.50%	14 ± 1.0V	1%	54.60	51.87
675—GSM28-15	15V	1.9A	0.75%	2.50%	18.5 ± 1.5V	1%	54.60	51.87
675—GSM28-24	24V	1.2A	0.75%	2.50%	28 ± 2.5V	1%	54.60	51.87
675—GSM28-28	28V	1.0A	0.75%	2.50%	34 ± 2.8V	1%	54.60	51.87

GLC40 SERIES, 40W COMMERCIAL SWITCHERS

DIMENSIONS (IN.)



Mating Connectors:

	Housing	Contact
Input	571-6402503 (qty 1)	571-7705221 (qty 2)
Output	571-6402506 (qty 1)	571-7705221 (qty 6)

Specifications:
- Efficiency: 70% depending on model
- Universal input 90-264VAC
- Overload and overvoltage protection

Features:
- Cost-effective power source
- Built-in EMI filter to meet FCC Class A, CISPR 22 Class A
- Operation at no-load - **Single Output** only
- Safety approved to UL 1950, CSA 22.2 No.234 Level 3, IEC 950, EN 60950

For quantities of 25 and up, call for quote.

MOUSER STOCK NO. / Mfr.	Mfr. Part No.		Output Voltage	Load Min.	Load Max.	V1 OVP Setpoint	Noise P-P	Total Regulation	Price Each 1	Price Each 10
Single Output										
675	GLC40-5	1	5V	0A	8A	+6.2±0.6V	50mV	2%	52.50	49.88
675	GLC40-12	1	12V	0A	3.3A	+14±1.1V	120mV	2%	52.50	49.88
675	GLC40-15	1	15V	0A	2.7A	+18.5±1.5V	150mV	2%	52.50	49.88
675	GLC40-24	1	24V	0A	1.7A	+28.5±2.5V	240mV	2%	52.50	49.88
675	GLC40-28	1	28V	0A	1.4A	+34±2.8V	280mV	2%	52.50	49.88
Multiple Output										
675	GLC40A	1	+5.1V	1A	3A	+6.2±0.6V	50mV	2%	52.50	49.88
		2	+12V	0A	2A		120mV	6%		
		3	-12V	0A	0.4A		120mV	5%		
675	GLC40B	1	+5.1V	1A	3A	+6.2±0.6V	50mV	2%	52.50	49.88
		2	+15V	0A	1.5A		150mV	6%		
		3	-15V	0A	0.4A		150mV	5%		
675	GLC40D	1	+5V	1A	3A	+6.2±0.6V	50mV	2%	52.50	49.88
		2	+24V	0A	1A		240mV	6%		
		3	-12V	0A	0.4A		120mV	5%		

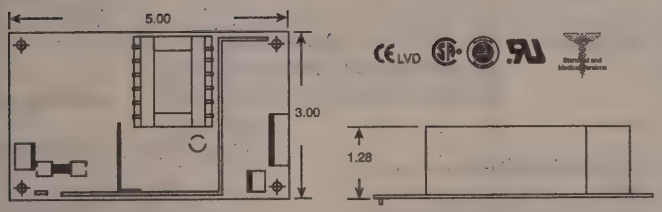
GPC40 AND GPM40 SERIES, 40W COMMERCIAL AND MEDICAL SWITCHERS

Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 1.3A
- Efficiency: 70% at full rated load
- Environmental: Designed for 0 to 50°C operation at full rated output power
- Voltage Adjustment: Built-in potentiometer adjusts main output voltage ±5%

Commercial Features:
- 2-year warranty
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Leakage current: 0.7mA. 254VAC @ 60Hz input
- 3-hour burn-in
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3. IEC 950, EN60950

Medical Features:
- 2-year warranty
- Exceeds FCC and VDE/CISPR11 Class B/IEC601-1-2
- Leakage current: 35µA. 254VAC @ 60Hz input
- 3-hour burn-in
- Safety approved to UL 2601, CSA 22.2 No. 601 Level 3, and IEC 601

DIMENSIONS (IN.)



Mating Connectors:

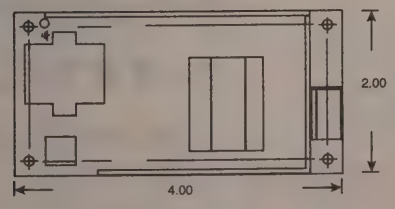
	Housing	Contact
Input	571-6402503 (qty 1)	571-7705221 (qty 2)
Output	571-6402506 (qty 1)	571-7705221 (qty 6)

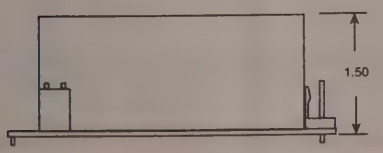
For quantities of 25 and up, call for quote.

MOUSER STOCK NO. / Mfr.	Mfr. Part No.		Output Voltage	Load Min.	Load Max.	Output Peak	Noise P-P	Total Regulation	Price Each 1	Price Each 10
Single Output										
675	GPC40-3.3	V1	3.3V	0A	8A	10A	35mV	2%	65.52	62.24
675	GPC40-5	V1	5 V	0A	8A	10A	50mV	2%	65.52	62.24
675	GPC40-9	V1	9 V	0A	4.5A	6A	9 0mV	2%	65.52	62.24
675	GPC40-12	V1	12V	0A	3.3A	4.2A	120mV	2%	65.52	62.24
675	GPC40-24	V1	24V	0A	1.7A	2.1A	240mV	2%	65.52	62.24
675	GPM40-5	V1	5 V	0A	8A	10A	50mV	2%	78.62	74.69
675	GPM40-12	V1	12V	0A	3.3A	4.2A	120mV	2%	78.62	74.69
675	GPM40-15	V1	15V	0A	2.7A	3.3A	150mV	2%	78.62	74.69
675	GPM40-24	V1	24V	0A	1.7A	2.1A	240mV	2%	78.62	74.69
675	GPM40-28	V1	28V	0A	1.4A	1.8A	28mV	2%	78.62	74.69
Multiple Output										
675	GPC40A	V1	+5.1V	0.4A	4A	5A	50mV	2%	65.52	62.24
		V2	+12V	0A	2A	3A	120mV	5%		
		V3	-12V	0A	0.4A	0.7A	120mV	3%		
675	GPC40B	V1	+5.1V	0.4A	4A	5A	50mV	2%	65.52	62.24
		V2	+ 15V	0A	2A	3A	150mV	5%		
		V3	-15V	0A	0.4A	0.7A	150mV	3%		
675	GPM40A	V1	+5.1V	0.4A	4A	5A	50mV	2%	78.62	74.69
		V2	+12V	0A	2A	3A	120mV	5%		
		V3	-12V	0A	0.4A	0.7A	120mV	3%		
675	GPM40B	V1	+5.1V	0.4A	4A	5A	50mV	2%	78.62	74.69
		V2	+ 15V	0A	2A	3A	150mV	5%		
		V3	-15V	0A	0.4A	0.7A	150mV	3%		
675	GPM40D	V1	+5.1V	0.4A	4A	5A	50mV	2%	78.62	74.69
		V2	+24V	0A	1A	1.5A	240mV	5%		
		V3	-12V	0A	0.4A	0.7A	120mV	3%		

GPC41 SERIES, 41W COMMERCIAL SWITCHERS

DIMENSIONS (IN.)





Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 1.3A
- Environmental: Designed for 0 to 50°C operation at full rated output power

Commercial Features:
- 2 year warranty
- Exceeds FCC and VDE Class B & CISPR22 Class B conducted emissions requirements
- Efficiency: 69-77% at full rated load, nominal input voltage, depending on model
- Leakage current: 60µA single fault; 60 Hz input
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN60950

Mating Connectors:

	Housing	Contact
Input	571-6402502 (qty 1)	571-7705221 (qty 2)
Output	571-6402504 (qty 1)	571-7705221 (qty 4)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO. / Mfr.	Mfr. Part No.	Output Voltage	Load Min.	Load Max.	Load Reg.	Initial Setpoint Tol.	OVP Setpoint	Ripple and Noise	Price Each 1	Price Each 10
675	GPC41-5	5.1V	0.15A	6.0A	0.75%	2%	6.2 ± 0.6V	1%	52.50	49.88
675	GPC41-12	12V	0.03A	3.3A	0.75%	2%	14 ± 1.0V	1%	52.50	49.88
675	GPC41-15	15V	0.03A	2.7A	0.75%	2%	19 ± 1.5V	1%	52.50	49.88
675	GPC41-24	24V	0.01A	1.7A	0.75%	2%	28 ± 2.5V	1%	52.50	49.88

GPC50 SERIES, 50W COMMERCIAL SWITCHERS

Specifications:

- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 1.5A
- Efficiency: 65% at full rated load
- Environmental: Designed for 0 to 50°C operation at full rated output power
- Voltage Adjustment: Built-in potentiometer adjusts main output voltage ±5%
- Leakage current: 0.7mA. 245VAC @ 60Hz input

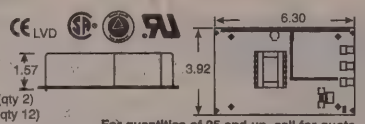
Features:

- 2-year warranty
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, and EN60950

Mating Connectors:

	Housing	Contact
Input	538-09-50-8031 (qty 1)	538-08-50-0189 (qty 2)
Output	538-22-01-1042 (qty 3)	538-08-50-0114 (qty 12)

DIMENSIONS (IN.)



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output Voltage		Load Min.	Load Max.	Output Peak	Noise P-P	Total Regulation	Price Each 1	Price Each 10
Mfr.	Mfr. Part No.									
675—GPC50A		V1	+5V	0.4A	5A	7A	50mV	2%	67.70	64.32
		V2	+12V	0A	2A	3A	120mV	5%		
		V3	-12V	0A	0.5A	1A	120mV	3%		
675—GPC50F		V1	+5V	0.4A	5A	7A	50mV	2%	67.37	64.32
		V2	+12V	0A	1.2A	1.5A	120mV	3%		
		V3	-12V	0A	0.5A	1A	120mV	3%		

GPC55 AND GPM55 SERIES, 55W COMMERCIAL AND MEDICAL SWITCHERS

Specifications:

- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 1.7A
- Efficiency: 70% at full rated load, nominal input voltage, depending on model and load distribution
- 2-year warranty

Commercial Features:

- Wide-range AC input 85-264VAC
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Leakage current: 0.7mA. 254VAC @ 60Hz input
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN60950
- Environmental: Designed for 0 to 50°C operation at full rated output power

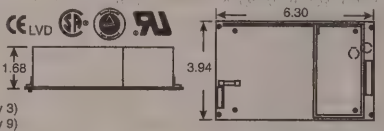
Medical Features:

- EMI to FCC, CISPR11 Class B/IEC601-1
- Efficiency: 65% at full rated load, nominal input voltage, depending on model and load distribution
- Leakage current: 35µA, 254VAC @ 60Hz input
- Safety approved to UL 2601, CSA 22.2 No. 601 Level 3, IEC 601

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-6402509 (qty 1)	571-7705221 (qty 9)

DIMENSIONS (IN.)



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.			Output Voltage	Load Min.	Load Max.	Output Peak	Noise P-P	Total Regulation	Price Each 1	Price Each 10
Mfr.	Mfr. Part No.									
Single Output										
675—GPC55-5		1	5V	0A	11A	14A	50mV	2%	87.36	82.99
675—GPC55-12		1	12V	0A	4.7A	5.8A	120mV	2%	87.36	82.99
675—GPC55-15		1	15V	0A	3.7A	4.7A	150mV	2%	87.36	82.99
675—GPC55-24		1	24V	0A	2.3A	2.9A	240mV	2%	87.36	82.99
675—GPC55-48		1	48V	0A	1.5A	1.5A	480mV	2%	87.36	82.99
Multiple Output										
675—GPC55A		1	+5V	0.7A	6A	8A	50mV	2%	87.36	82.99
		2	+12V	0A	3A	5A	120mV	2%		
		3	+12V	0A	1A	1.2A	120mV	3%		
		4	-12V	0A	1A	1.2A	120mV	3%		
675—GPC55B		1	+ 5V	0.7A	6A	8A	50mV	2%	87.36	82.99
		2	+12V	0A	3A	5A	120mV	2%		
		3	-5V	0A	1A	1.2A	50mV	3%		
		4	-12V	0A	1A	1.2A	120mV	3%		
675—GPC55C		1	+5V	0.7A	6A	8A	50mV	2%	87.36	82.99
		2	+15V	0A	3A	5A	150mV	2%		
		3	-5V	0A	1A	1.2A	50mV	3%		
		4	-15V	0A	1A	1.2A	150mV	3%		
675—GPC55D		1	+5V	0.7A	6A	8A	50mV	2%	87.36	82.99
		2	+24V	0A	1.5A	2A	240mV	2%		
		3	+12V	0A	1A	1.2A	120mV	3%		
675—GPC55E		1	+5V	0.7A	6A	8A	50mV	2%	87.36	82.99
		2	+24V	0A	1.5A	2A	120mV	2%		
		3	+15V	0A	1A	1.2A	150mV	3%		
		4	-15V	0A	1A	1.2A	150mV	3%		
675—GPC55F		1	+5V	0.7A	6A	8A	50mV	2%	87.36	82.99
		2	+12V	0A	3A	5A	120mV	2%		
		3	+15V	0A	1A	1.2A	150mV	3%		
		4	-15V	0A	1A	1.2A	150mV	3%		
675—GPM55A		1	+5V	0.7A	6A	8A	50mV	2%	104.83	99.58
		2	+12V	0A	3A	5A	120mV	2%		
		3	+12V	0A	1A	1.2A	120mV	3%		
		4	-12V	0A	1A	1.2A	120mV	3%		
675—GPM55B		1	+ 5V	0.7A	6A	8A	50mV	2%	104.83	99.58
		2	+12V	0A	3A	5A	120mV	2%		
		3	-5V	0A	1A	1.2A	50mV	3%		
		4	-12V	0A	1A	1.2A	120mV	3%		
675—GPM55C		1	+5V	0.7A	6A	8A	50mV	2%	104.83	99.58
		2	+15V	0A	3A	5A	150mV	2%		
		3	-5V	0A	1A	1.2A	150mV	3%		
		4	-15V	0A	1A	1.2A	50mV	3%		
675—GPM55D		1	+5V	0.7A	6A	8A	50mV	2%	104.83	99.58
		2	+24V	0A	1.5A	2A	240mV	2%		
		3	+12V	0A	1A	1.2A	120mV	3%		
		4	-12V	0A	1A	1.2A	120mV	3%		
675—GPM55E		1	+5V	0.7A	6A	8A	50mV	2%	104.83	99.58
		2	+24V	0A	1.5A	2A	120mV	2%		
		3	+15V	0A	1A	1.2A	150mV	3%		
		4	-15V	0A	1A	1.2A	150mV	3%		

GLC50 AND GLM50 SERIES, 50W COMMERCIAL AND MEDICAL SWITCHERS

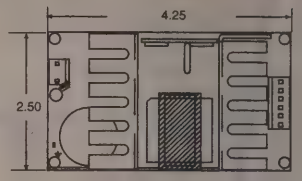
Specifications:

- Overload Protection: Fully protected against short circuit and output overload
- Efficiency: 70-85% at full rated load
- Dimension: 4.25" x 2.50" x 1.15"

Features:

- Cost-effective power source
- Universal input 90-264VAC
- 2-year warranty
- Compact; (meets 1U applications)
- Built-in EMI filter
- Medical Safety approved to UL 2601, CSA 22.2 No. 601 Level 3, IEC 601-1, EN 60601
- Medical Leakage Current: 100µA 264VAC @ 60Hz
- Commercial Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950 and EN 60950
- Commercial Leakage Current: 160µA 254VAC @ 60Hz

DIMENSIONS (IN.)



Mating Connectors:

	Housing	Contact
Input	571-6402503 (qty 1)	571-7705221 (qty 2)
Output	571-640250-6 (qty 1)	571-7705221 (qty 6)

For quantities of 25 and up, call for quote

MOUSER STOCK NO.			Output Voltage		Current	Min. Load	V1 OVP Setpoint	Noise P-P	Total Regulation	Price Each 1	Price Each 10
Mfr.	Mfr. Part No.										
Single Output											
675—GLC50-3.3		1	3.3V		8A	0	4.2±0.6V	33mV	2%	56.18	54.86
675—GLC50-5		1	5.1V		8A	0	6.2±0.6V	50mV	2%	56.18	54.86
675—GLC50-12		1	12V		4.2A	0	14±1.1V	120mV	2%	56.18	54.86
675—GLC50-15		1	15V		3.3A	0	18.5±1.5V	150mV	2%	56.18	54.86
675—GLC50-24		1	24V		2.1A	0	28±2.5V	240mV	2%	56.18	54.86
675—GLC50-28		1	28V		1.8A	0	34.5±2.8V	280mV	2%	56.18	54.86
675—GLC50-48		1	48V		1.1A	0	54±3.0V	480mV	2%	56.18	54.86
675—GLM50-3.3		1	3.3V		8A	0	4.2±0.6V	33mV	2%	64.61	63.09
675—GLM50-5		1	5.1V		8A	0	6.2±0.6V	50mV	2%	64.61	63.09
675—GLM50-12		1	12V		4.2A	0	14±1.1V	120mV	2%	64.61	63.09
675—GLM50-15		1	15V		3.3A	0	18.5±1.5V	150mV	2%	64.61	63.09
675—GLM50-24		1	24V		2.1A	0	28±2.5V	240mV	2%	64.61	63.09
675—GLM50-28		1	28V		1.8A	0	34.5±2.8V	280mV	2%	64.61	63.09
Multiple Output											
675—GLC50A		1	+5.05V		4A	0.8A	6.2±0.6V	50mV	2%	56.18	54.86
		2	+12V		2.5A			120mV	+10%,-5%		
		3	-12V		0.2A			120mV	3%		
675—GLC50B		1	+5.1V		4A	0.8A	6.2±0.6V	50mV	2%	56.18	54.86
		2	+15V		2.5A			150mV	+10%,-5%		
		3	-15V		0.2A			150mV	3%		
675—GLC50D		1	+5.1V		4A	0.8A	6.2±0.6V	50mV	2%	56.18	54.86
		2	+24V		1.5A			240mV	+10%,-5%		
		3	-12V		0.2A			120mV	3%		
675—GLM50A		1	+5.05V		4A	0.8A	6.2±0.6V	50mV	2%	64.61	63.09
		2	+12V		2.5A			120mV	+10%,-5%		
		3	-12V		0.2A			120mV	3%		
675—GLM50B		1	+5.1V		4A	0.8A	6.2±0.6V	50mV	2%	64.61	63.09
		2	+15V		2.5A			150mV	+10%,-5%		
		3	-15V		0.2A			150mV	3%		
675—GLM50D		1	+5.1V		4A	0.8A	6.2±0.6V	50mV	2%	64.61	63.09
		2	+24V		1.5A			240mV	+10%,-5%		
		3	-12V		0.2A			120mV	3%		

GLC65 AND GLM65 SERIES, 65W COMMERCIAL AND MEDICAL SINGLE OUTPUT SWITCHERS

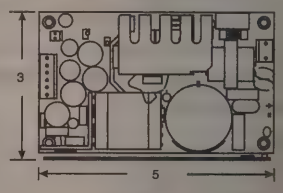
Features:

- 4.1 W/in³
- Ultra-high efficiency (up to 94%)
- Meets harmonic requirements of IEC1000-3-2, Class A
- EMI compliance to CISPR22 Class B
- Commercial Leakage Current: 425µA with 132VAC @ 60Hz input
- Medical Leakage Current: 31µA with 132VAC @ 60Hz input
- Commercial Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950
- Medical Safety approved to UL 2601, CSA 22.2 No. 601 Level 3, IEC 601-1, EN 60601

Specifications:

- AC Input: 90-264VAC, 47-63Hz single phase
- Dimensions: 3.00" x 5.00" x 1.00"

DIMENSIONS (IN.)



Mating Connectors:

	Housing	Contact
Input	571-6402503 (qty 1)	571-7705221 (qty 2)
Output	571-6402506 (qty 1)	571-7705221 (qty 6)
Sense	571-6404402 (qty 1)	571-7705221 (qty 2)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Cur.	Total Reg.	V1 Adjustment	V1 OVP Setpoint	Ripple/ Noise	Price Each 1	Price Each 10
Mfr.	Mfr. Part No.								
675—GLC65-5		5.1 V	11A	2%	± 5%	6.2 ± 0.6V	1%	73.76	70.08
675—GLC65-12		12 V	5.5 A	2%	± 5%	14 ± 1.1V	1%	73.76	70.08
675—GLC65-15		15 V	4.3 A	2%	± 5%	18.5 ± 1.5V	1%	73.76	70.08
675—GLC65-24		24 V	2.7 A	2%	± 5%	28 ± 2.5V	1%	73.76	70.08
675—GLC65-28		28 V	2.3 A	2%	± 5%	34 ± 2.8V	1%	73.76	70.08
675—GLC65-48		48 V	1.35 A	2%	± 5%	55 ± 4.0V	1%	73.76	70.08
675—GLM65-12		12 V	5.5 A	2%	± 5%	14 ± 1.1V	1%	77.70	73.82
675—GLM65-15		15 V	4.3 A	2%	± 5%	18.5 ± 1.5V	1%	77.70	73.82
675—GLM65-24		24 V	2.7 A	2%	± 5%	28 ± 2.5V	1%	77.70	73.82
675—GLM65-28		28 V	2.3 A	2%	± 5%	34 ± 2.8V	1%	77.70	73.82
675—GLM65-48		48 V	1.35 A	2%	± 5%	55 ± 4.0V	1%	77.70	73.82

GLC75 SERIES, 75W SINGLE OUTPUT COMMERCIAL SWITCHERS

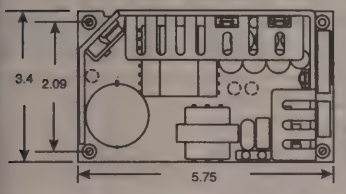
Features:
- Universal input 90-264VAC
- 2-year warranty
- Power fail detect
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950

Specifications:
- AC Input: 90-264VAC, 47-63Hz single phase
- Efficiency: 72-85% depending on model

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-6402509 (qty 1)	571-7705221 (qty 9)

DIMENSIONS (IN.)



† Unrestricted natural convection cooling ‡ 26CFM forced air cooling **For quantities of 25 and up, call for quote.**

MOUSER STOCK NO.		Output	Load			Output	OVP	Noise	Total	Price Each	
Mfr.	Mfr. Part No.	Voltage	Min.	Max.†	Max.‡	Peak	Setpoint	P-P	Reg.	1	10
675—GLC75-5		5.1V	0A	13.7A	19.6A	21A	6.2±0.6V	50mV	2%	72.76	68.65
675—GLC75-12		12V	0A	6.3A	9.1A	9.1A	14±1.1V	120mV	2%	72.76	68.65
675—GLC75-15		15V	0A	5A	7.3A	7.3A	18.5±1.5V	150mV	2%	72.76	68.65
675—GLC75-24		24V	0A	3.1A	4.6A	4.6A	28±2.5V	240mV	2%	72.76	68.65
675—GLC75-28		28V	0A	2.7A	4A	4A	34.5±2.8V	280mV	2%	72.76	68.65

GLC75 SERIES, 75W QUADRUPLE OUTPUT COMMERCIAL SWITCHERS

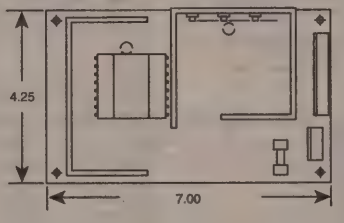
Specifications:
- Efficiency: 68%-78% depending on model and load distribution

DIMENSIONS (IN.)

Features:
- Cost-effective multiple output power source
- Universal input 90-264VAC
- Meets 1U height
- 2-year warranty
- Built-in EMI filter
- Power fail detect
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-16402503 (qty 1)	571-7705221 (qty 13)



† Unrestricted natural convection cooling
‡ 26CFM forced air cooling
*The +5V current must be at least 1/5 of V2 and not greater than 5 times the V2 current.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.			Output	Load			Out-put	OVP	Noise	Total	Price Each	
Mfr.	Mfr. Part No.		Voltage	Min.	Max.†	Max.‡	Peak	Setpoint	P-P	Regulation	1	10
675—GLC75A		1	+5.1V	1A	8A	10A	12A	6.2±0.6V	50mV	2%	73.96	70.27
		2	+12V	0.5A	2.5A	3A	4A		120mV	+10%,-5%*		
		3	-12V	0A	1A	1A	1.2A		120mV	3%		
		4	12V	0A	2.5A	3A	4A		120mV	2%		
675—GLC75B		1	+5.1V	1A	8A	10A	12A	6.2±0.6V	50mV	2%	73.96	70.27
		2	+12V	0.5A	2.5A	3A	4A		120mV	+10%,-5%*		
		3	-5V	0A	1A	1A	1.2A		50mV	3%		
		4	+12V	0A	2.5A	3A	4A		120mV	2%		
675—GLC75C		1	+5.1V	1A	8A	10A	12A		50mV	2%	73.96	70.27
		2	+12V	0.5A	2.5A	3A	4A		120mV	+10%,-5%*		
		3	-15V	0A	1A	1A	1.2A		150mV	3%		
		4	+15V	0A	2.5A	3A	4A		150mV	2%		
675—GLC75D		1	+5.1V	1A	8A	10A	12A	6.2±0.6V	50mV	2%	73.96	70.27
		2	+24V	0.5A	2.5A	2.5A	3.5A		240mV	+10%,-5%*		
		3	-12V	0A	1A	1A	1.2A		120mV	3%		
		4	+12V	0A	2.5A	3A	4A		120mV	2%		
675—GLC75P		1	+5.1V	1A	8A	10A	12A	6.2±0.6V	50mV	2%	73.96	70.27
		2	+24V	0.5A	4A	4A	4.5A		240mV	+10%,-5%*		
		3	-12V	0A	1A	1A	1.2A		120mV	3%		
		4	+12V	0A	2.5A	3A	4A		120mV	2%		

GPC80 AND GPM80 SERIES, 80W COMMERCIAL AND MEDICAL SWITCHERS

Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 2.3A
- Efficiency: 70% at full rated load, nominal input voltage, depending on model and load distribution

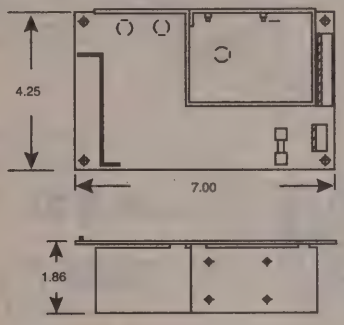
Medical Features:
- Exceeds FCC and VDE/CISPR11 Class B/IEC601-1
- Single and multiple outputs
- Leakage current: 35µA. 254VAC @ 60Hz input
- Safety approved to UL 2601, CSA 22.2 No. 601 Level 3, IEC 601

Commercial Features:
- Wide-range AC input 85-264VAC
- 2-year warranty
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Single and multiple outputs
- Leakage current: 0.7mA. 254VAC @ 60Hz input (with no deviations)
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN60950
- Environmental: Designed for 0 to 50°C operation at full rated output power
- Voltage Adjustment: Built-in potentiometer adjusts voltage ±5% on outputs 1 & 2

DIMENSIONS (IN.)

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-16402503 (qty 1)	571-7705221 (qty 13)



† Unrestricted natural convection cooling
‡ 26CFM forced air cooling

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.			Output	Load			Output	Noise	Total	Price Each	
Mfr.	Mfr. Part No.		Voltage	Min.	Max.†	Max.‡	Peak	P-P	Reg.	1	10
Single Output											
675—GPC80-5		1	5V	0A	16A	20A	22A	50mV	2%	120.12	114.11
675—GPC80-12		1	12V	0A	6.7A	9.2A	9.2A	120mV	2%	120.12	114.11
675—GPC80-15		1	15V	0A	5.3A	7.3A	7.3A	150mV	2%	120.12	114.11
675—GPC80-24		1	24V	0A	3.4A	4.6A	4.6A	240mV	2%	120.12	114.11
675—GPC80-28		1	28V	0A	2.9A	3.9A	3.9A	280mV	2%	120.12	114.11
675—GPC80-48		1	48V	0A	1.7A	2.3A	2.3A	480mV	2%	120.12	114.11
675—GPM80-12		1	12V	0A	6.7A	9.2A	9.2A	120mV	2%	144.14	136.93
675—GPM80-24		1	24V	0A	3.4A	4.6A	4.6A	240mV	2%	144.14	136.93
Multiple Output											
675—GPC80A		1	+5V	1.0A	12A	12A	16A	50mV	2%	120.12	114.11
		2	+12V	0A	3A	4A	5A	120mV	2%		
		3	-12V	0A	1A	1.2A	1.2A	120mV	3%		
		4	+12V	0A	1A	1.2A	1.2A	120mV	3%		
675—GPC80B		1	+5V	1.0A	12A	12A	16A	50mV	2%	120.12	114.11
		2	+12V	0A	3A	4A	5A	120mV	2%		
		3	-12V	0A	1A	1.2A	1.2A	120mV	3%		
		4	-5V	0A	1A	1.2A	1.2A	50mV	3%		
675—GPC80D		1	+5V	1A	12A	12A	16A	50mV	2%	120.12	114.11
		2	+24V	0A	2A	3A	4A	240mV	2%		
		3	-12V	0A	1A	1.2A	1.2A	120mV	3%		
		4	+12V	0A	1A	1.2A	1.2A	120mV	3%		
675—GPC80E		1	+5V	1A	12A	12A	16A	50mV	2%	120.12	114.11
		2	+24V	0A	2A	3A	4A	240mV	2%		
		3	-15V	0A	1A	1.2A	1.2A	150mV	3%		
		4	+15V	0A	1A	1.2A	1.2A	150mV	3%		
675—GPC80P		1	+5V	1A	12A	12A	16A	50mV	2%	120.12	114.11
		2	+24V	0.5A	3.5A	4.5A	4.5A	400mV	-200		
		3	-12V	0A	1A	1.2A	1.2A	120mV	3%		
		4	+12V	0A	2A	2A	2.5A	120mV	3%		
675—GPM80A		1	+5V	1.0A	12A	12A	16A	50mV	2%	144.14	136.93
		2	+12V	0A	3A	4A	5A	120mV	2%		
		3	-12V	0A	1A	1.2A	1.2A	120mV	3%		
		4	+12V	0A	1A	1.2A	1.2A	120mV	3%		
675—GPM80B		1	+5V	1.0A	12A	12A	16A	50mV	2%	144.14	136.93
		2	+12V	0A	3A	4A	5A	120mV	2%		
		3	-12V	0A	1A	1.2A	1.2A	120mV	3%		
		4	-5V	0A	1A	1.2A	1.2A	50mV	3%		
675—GPM80D		1	+5V	1A	12A	12A	16A	50mV	2%	144.14	136.93
		2	+24V	0A	2A	3A	4A	240mV	2%		
		3	-12V	0A	1A	1.2A	1.2A	120mV	3%		
		4	+12V	0A	1A	1.2A	1.2A	120mV	3%		
675—GPM80E		1	+5V	1A	12A	12A	16A	50mV	2%	144.14	136.93
		2	+24V	0A	2A	3A	4A	240mV	2%		
		3	-15V	0A	1A	1.2A	1.2A	150mV	3%		
		4	+15V	0A	1A	1.2A	1.2A	150mV	3%		
675—GPM80P		1	+5V	1A	12A	12A	16A	50mV	2%	144.14	136.93
		2	+24V	0.5A	3.5A	4.5A	4.5A	400mV	-200		
		3	-12V	0A	1A	1.2A	1.2A	120mV	3%		
		4	+12V	0A	2A	2A	2.5A	120mV	3%		

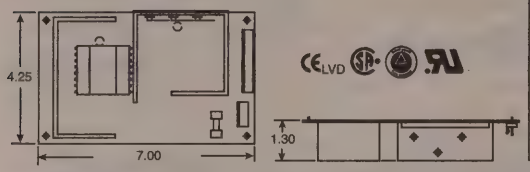
CONDOR GLC110 SERIES, 110W COMMERCIAL SWITCHERS

Specifications:
- Efficiency: 72-85% depending on model

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-16402503 (qty 1)	571-7705221 (qty 12)

DIMENSIONS (IN.)



Features:
- Cost-effective single output power source
- Commercial Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950
- Multiple-output units
- Low height (1.30")
- 2-year warranty
- Power fail signal standard
- AC Input: 90-264VAC, 47-63Hz single phase

† Unrestricted natural convection cooling ‡ 26CFM forced air cooling — **For quantities of 25 and up, call for quote.**

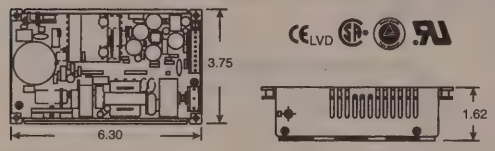
MOUSER STOCK NO.	Output Number	Output Voltage	Load Min.	Load Normal†	Load Max. ‡	Load Peak	Noise P-P	OVP Setpoint	Total Regulation	Price Each 1	Price Each 10
Single Output											
675—GLC110-12	1	12V	0A	6.3A	9.1A	9.5A	120mV	15.6±1.1V	2%	73.63	69.94
675—GLC110-24	1	24V	0A	3.2A	4.6A	4.75A	240mV	28±2.5V	2%	73.63	69.94
Multiple Output											
675—GLC110-212	1	+12V	1A	6.3A	9.1A	9.5A	100mV	15.6±1.1V	2%	79.17	75.21
	2	-12V	0A	4A	2.5A	3A	120mV		2%		
675—GLC110-215	1	+15V	1A	5A	7.3A	7.7A	120mV	18.5±1.5V	2%	79.17	75.21
	2	-15V	0A	4A	2.5A	3A	150mV		2%		
675—GLC110-524	1	+24V	1A	3.2A	4.6A	4.75A	200mV	28±2.5V	2%	79.17	75.21
	2	+5V	0A	2.5A	1.5A	2A	50mV	6.2±0.6V	2%		

CONDOR GPFC110 SERIES, 110W COMMERCIAL SWITCHERS WITH POWER FACTOR CORRECTION

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-6402509 (qty 1)	571-7705221 (qty 9)
Fan	571-6406212 (qty 1)	N/A

DIMENSIONS (IN.)



Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current 2.3A at 90VAC, 60Hz with full rated load. Input current harmonic content meets the requirements of IEC1000-3-2.
- Overload Protection: Fully protected against short circuit and output overload.
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950

Features:
- 3.1 watts/cu.in.power density
- Compact size (6.3" x 3.75" x 1.62"; meets 1U height)
- Power factor corrected to IEC 1000-3-2 Class A
- Less than 300µA leakage
- EMI compliance to CISPR22, FCC Class B
- 2-year warranty

† Unrestricted natural convection cooling ‡ 26CFM forced air cooling — **For quantities of 25 and up, call for quote.**

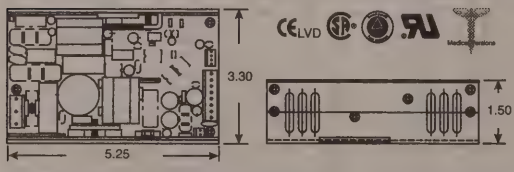
MOUSER STOCK NO.	Output Voltage	Load Min.	Load Max.†	Load Max.‡	OVP Setpoint	Total Regulation	Price Each 1	Price Each 10
675—GPFC110-5	5.1V	0A	11A	15A	6.2±0.6V	2%	100.53	95.50
675—GPFC110-12	12V	0A	6.7A	9.2A	14±1.1V	2%	100.53	95.50
675—GPFC110-15	15V	0A	5.3A	7.3A	18.5±1.5V	2%	100.53	95.50
675—GPFC110-24	24V	0A	3.4A	4.6A	28±2.5V	2%	100.53	95.50
675—GPFC110-28	28V	0A	2.9A	3.9A	34±2.8V	2%	100.53	95.50
675—GPFC110-48	48V	0A	1.7A	2.3A	55±4V	2%	100.53	95.50

CONDOR GPFM115 SERIES, 115W MEDICAL SWITCHERS WITH POWER FACTOR CORRECTION

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Signals	571-6406214 (qty 1)	N/A
Fan	571-6406212 (qty 1)	N/A
Output	571-6402508 (qty 1)	571-7705221 (qty 8)

DIMENSIONS (IN.)



Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Remote Sense: Provided as a standard feature on all models
- Overload Protection: Fully protected against short circuit and output overload.
- Overvoltage Protection: Built in on all models
- Leakage Current: 90µA normal conditions
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950

Features:
- 115 Watts of continuous power with forced air
- Power factor corrected
- 74-81% efficiency
- Small package 3.3" x 5.25" x 1.5"
- Power fail warning, remote sense
- Optional cover with cooling fan

† Unrestricted natural convection cooling ‡ 150LFM forced air cooling — **For quantities of 25 and up, call for quote.**

MOUSER STOCK NO.	Output Voltage	Load Max.†	Load Max.‡	Output Peak	Noise P-P	Total Regulation	Price Each 1	Price Each 10
675—GPFM115-3.3	3.3V	12A	20A	25A	4.2±0.6V	2%	115.61	109.82
675—GPFM115-5	5.1V	12A	20A	25A	6.2±0.6V	2%	115.61	109.82
675—GPFM115-12	12V	6.7A	9.6A	10.8A	14±1.1V	2%	115.61	109.82
675—GPFM115-15	15V	5.3A	7.7A	8.7A	18.5±1.5V	2%	115.61	109.82
675—GPFM115-24	24V	3.3A	4.8A	5.4A	28±2.5V	2%	115.61	109.82
675—GPFM115-28	28V	2.9A	4.1A	4.6A	34±2.8V	2%	115.61	109.82
675—GPFM115-48	48V	1.7A	2.4A	2.7A	55±4.0V	2%	115.61	109.82

CONDOR GPC130 SERIES, 130W COMMERCIAL SWITCHERS

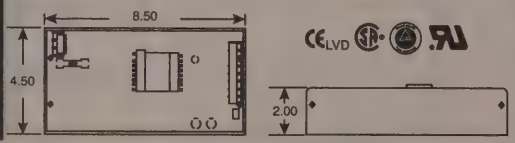
Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 3.5A
- Efficiency: 70% at full rated load, nominal input voltage, depending on model and load distribution
- Environmental: Designed for 0 to 50°C operation at full rated output power
- Voltage Adjustment: Built-in potentiometer adjusts voltage ±5% on outputs 1 & 2

Commercial Features:
- 2-year warranty
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Leakage current: 0.7mA. 254VAC @ 60Hz input
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Signals	571-6404404 (qty 1)	N/A
Output	571-16402506 (qty 1)	571-7705221 (qty 16)

DIMENSIONS (IN.)

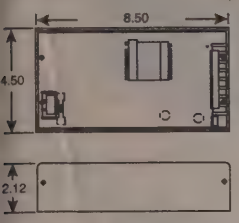


† Unrestricted natural convection cooling ‡ 26CFM forced air cooling — **For quantities of 25 and up, call for quote.**

MOUSER STOCK NO.	Output Voltage		Load Min.	Load Max.†	Load Max.‡	Output Peak	Noise P-P	Total Regulation	Price Each 1	Price Each 10
675—GPC130A	1	+5V	3A	16A	20A	25A	50mV	2%	174.72	165.98
	2	+12V	0A	5A	5A	8A	120mV	2%		
	3	-12V	0A	1.2A	1.2A	1.5A	120mV	3%		
	4	+12V	0A	1.2A	1.2A	1.5A	120mV	3%		
675—GPC130B	1	+5V	3A	16A	20A	25A	50mV	2%	174.72	165.98
	2	+12V	0A	5A	5A	8A	120mV	2%		
	3	-5V	0A	1.2A	1.2A	1.5A	50mV	3%		
	4	-12V	0A	1.2A	1.2A	1.5A	120mV	3%		
675—GPC130C	1	+5V	3A	16A	20A	25A	50mV	2%	174.72	165.98
	2	+12V	0A	5A	5A	8A	120mV	2%		
	3	-15V	0A	1.2A	1.2A	1.5A	150mV	3%		
	4	+15V	0A	1.2A	1.2A	1.5A	150mV	3%		
675—GPC130D	1	+5V	3A	16A	20A	25A	50mV	2%	174.72	165.98
	2	+24V	0A	3.5A	3.5A	5A	240mV	2%		
	3	-12V	0A	1.2A	1.2A	1.5A	120mV	3%		
	4	+12V	0A	1.2A	1.2A	1.5A	120mV	3%		
675—GPC130E	1	+5V	3A	16A	20A	25A	50mV	2%	174.72	165.98
	2	+24V	0A	3.5A	3.5A	5A	240mV	2%		
	3	-15V	0A	1.2A	1.2A	1.5A	150mV	3%		
	4	+15V	0A	1.2A	1.2A	1.5A	150mV	3%		

CONDOR GPC140 SERIES, 140W COMMERCIAL SWITCHERS

MENSIONS (IN.)



Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 3.7A
- Efficiency: 70% at full rated load, nominal input voltage, depending on model and load distribution
- Environmental: Designed for 0 to 50°C operation at full rated output power
- Voltage Adjustment: Built-in potentiometer adjusts voltage ±5%

Commercial Features:
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Leakage current: 0.95mA. 254VAC @ 60Hz input
- 2 year warranty
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950

Mating Connectors:

Housing	Contact
• Input: 571-640250-5 (qty 1)	571-7705221 (qty 3)
• Signals: 571-640440-4 (qty. 1)	
• Output: 571-16402506 (qty 1)	571-7705221 (qty 16)

† Unrestricted natural convection cooling
‡ 26CFM forced air cooling

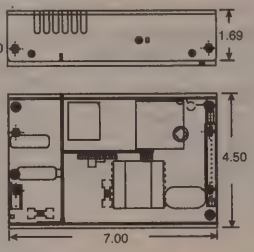
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Output Voltage	Load			Output Peak	Noise P-P	Total Regulation	Price Each	
Mfr. Mfr. Part No.		Min.	Max.†	Max.‡				1	10
675—GPC140-12	12V	0A	11.7A	13.4A	14.6A	120mV	2%	165.98	157.69
675—GPC140-15	15V	0A	9.3A	10.7A	11.7A	150mV	2%	165.98	157.69
675—GPC140-24	24V	0A	5.8A	6.7A	7.3A	240mV	2%	165.98	157.69
675—GPC140-28	28V	0A	5A	5.7A	6.3A	280mV	2%	165.98	157.69

CONDOR GPFC160 SERIES, 160W COMMERCIAL SWITCHERS WITH POWER FACTOR CORRECTION

pecifications:
AC Input: 85-264Vac, 47-63Hz single phase
Overload Protection: Fully protected against short circuit and output overload.
nput Current: Maximum input current 2.3A at 90Vac, 60Hz with full load.
nput current harmonic content meets the requirements of IEC1000-3-2
Overvoltage Protection: Built in on all models.
Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950

DIMENSIONS (IN.)



eatures:
3.0 watts/cu.in. power density
Compact size (4.5" x 7.0" x 1.7"; meets 1U height)
Power factor corrected to IEC1000-3-2; Class A
Less than 300µA leakage
EMI compliance to CISPR22, FCC Class B • 2-year warranty

ating Connectors:

Housing	Contact
nput: 571-640250-5 (qty 1)	571-7705221 (qty 3)
Signals: 571-640440-4 (qty. 1)	
Fan: 571-640440-2 (qty 1)	
Output: 571-16402506 (qty 1)	571-7705221 (qty 16)

Unrestricted natural convection cooling
26CFM forced air cooling

For quantities of 25 and up, call for quote.

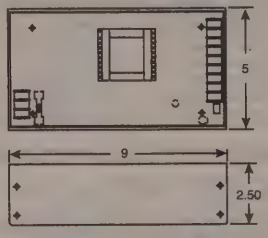
MOUSER STOCK NO.	Output Voltage	Load Max.†	Output Peak‡	OVP Setpoint	Ripple/ Noise	Price Each	
Mfr. Mfr. Part No.						1	10
675—GPFC160-5	5.1V	25A	31.3A	6.2±0.6V	1%	181.95	172.85
675—GPFC160-12	12V	11.7A	13.3A	14±1.1V	1%	181.95	172.85
675—GPFC160-15	15V	9.3A	10.7A	18.5±1.5V	1%	181.95	172.85
675—GPFC160-24	24V	5.8A	6.7A	28±2.5V	1%	181.95	172.85
675—GPFC160-28	28V	5A	5.7A	34±2.8V	1%	181.95	172.85
675—GPFC160-48	48V	2.9A	3.4A	55±4.0V	1%	181.95	172.85

CONDOR GPC225 SERIES, 225W COMMERCIAL SWITCHERS

DIMENSIONS (IN.)

Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 1.3A
- Efficiency: 70% at full rated load, nominal input voltage, depending on model and load distribution
- Environmental: Designed for 0 to 50°C operation at full rated output power
- Voltage Adjustment: Built-in potentiometer adjusts voltage ±5%

Commercial Features:
- Wide-range AC input 85-264VAC
- 2-year warranty
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Leakage current: 0.95mA. 254VAC @ 60Hz input (with no deviations)



Mating Connectors:
- Input: Terminal Block
- Signals: 571-640440-5 (qty. 1)
- Output: Terminal Block

† Unrestricted natural convection cooling
‡ 26CFM forced air cooling

For quantities of 25 and up, call for quote.

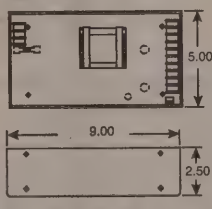
MOUSER STOCK NO.	Output Voltage	Load			Output Peak	Noise P-P	Total Reg.	Price Each	
Mfr. Mfr. Part No.		Min.	Max.†	Max.‡				1	10
675—GPC225-5	5V	0A	34A	40A	45A	50mV	2%	238.06	226.15
675—GPC225-12	12V	0A	15.8A	19A	20A	120mV	2%	238.06	226.15
675—GPC225-24	24V	0A	8.3A	9.4A	10A	240mV	2%	238.06	226.15
675—GPC225-28	28V	0A	7.1A	8A	8.5A	280mV	2%	238.06	226.15

CONDOR GPC200 AND GPM200 SERIES, 200W COMMERCIAL AND MEDICAL SWITCHERS

pecifications:
AC Input: 85-264VAC, 47-63Hz single phase
Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 5.5A
Efficiency: 65% at full rated load, nominal input voltage, depending on model and load distribution
Environmental: Designed for 0 to 50°C operation at full rated output power
Voltage Adjustment: Built-in potentiometer adjusts volt. ±5%

Commercial Features:
- 2-year warranty
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Leakage current: 0.95mA. 254VAC @ 60Hz input
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950

edical Features:
2-year warranty
Exceeds FCC and VDE/CISPR11 Class B/IEC601-1-2
Leakage current: 60µA. 254VAC @ 60Hz input
Safety approved to UL 2601, CSA 22.2 No. 601 Level 3, IEC 601



ating Connectors:
Input: Terminal Block
Signals: 571-640440-4 (qty. 1)
Output: Terminal Block

DIMENSIONS (IN.)

Unrestricted natural convection cooling
26CFM forced air cooling
†Isolated output; may be referenced as + or - voltage

For quantities of 25 and up, call for quote.

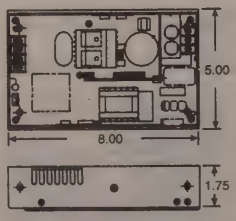
MOUSER STOCK NO.		Output Voltage	Load			Output Peak	Noise P-P	Total Reg.	Price Each	
Mfr. Mfr. Part No.			Min.	Max.†	Max.‡				1	10
675—GPC200A	1	+5V	4A	18A	26A	32A	50mV	2%	251.16	238.60
	2	+12V	0A	5A	8A	12A	120mV	2%		
	3	-12V	0A	1A	1.2A	1.5A	120mV	3%		
	4	12V*	0A	3A	4A	4.5A	120mV	3%		
675—GPC200D	1	+5V	4A	18A	26A	32A	50mV	2%	251.16	238.60
	2	+24V	0A	3A	5A	6.5A	120mV	2%		
	3	-12V	0A	1A	1.2A	1.5A	150mV	3%		
	4	12V*	0A	3A	4A	4.5A	150mV	3%		
675—GPM200A	1	+5V	4A	18A	26A	32A	50mV	2%	301.39	286.31
	2	+12V	0A	5A	8A	12A	120mV	2%		
	3	-12V	0A	1A	1.2A	1.5A	120mV	3%		
	4	12V*	0A	3A	4A	4.5A	120mV	3%		

CONDOR GPFC250 AND GPFM250 SERIES, 250W COMMERCIAL AND MEDICAL SWITCHERS WITH POWER FACTOR CORRECTION

DIMENSIONS (IN.)

Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current 2.3A at 90VAC, 60Hz with full load. Input current harmonic content meets the requirements of IEC1000-3-2
- Overload Protection: Fully protected against short circuit and output overload.
- Leakage Current: 70µA under normal conditions(132Vac @ 60Hz)

Features:
- 3.6 watts/cu.in. power density
- Compact size (5.0" x 8.0" x 1.75")
- Power factor corrected to IEC1000-3-2; Class A
- Less than 300µA leakage
- EMI compliance to CISPR22, FCC Class B
- 2-year warranty
- Commercial approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950
- Medical approved to UL 2601, CSA 22.2 No. 601-1, IEC 601-1



Mating Connectors:
- Input: Terminal Block
- Signals: 571-640440-5 (qty. 1)
- Fan: 571-640440-2 (qty. 1)
- Output: Terminal Block

† Unrestricted natural convection cooling
‡ 26CFM forced air cooling

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Output Voltage	Load Max.†	Output Peak‡	OVP Setpoint	Ripple/ Noise	Price Each	
Mfr. Mfr. Part No.						1	10
675—GPFC250-5	5.1V	36A	50A	6.2±0.6V	2%	238.06	226.15
675—GPFC250-12	12V	15A	21A	14±1.1V	2%	238.06	226.15
675—GPFC250-24	24V	7.5A	10.5A	28±2.5V	2%	238.06	226.15
675—GPFC250-28	28V	6.5A	9A	34±2.8V	2%	238.06	226.15
675—GPFC250-48	48V	3.8A	5.3A	55±4.0V	2%	238.06	226.15
675—GPFM250-5	5.1V	36A	50A	6.2±0.6V	2%	285.66	271.38
675—GPFM250-12	12V	15A	21A	14±1.1V	2%	285.66	271.38
675—GPFM250-15	15V	12A	16.7A	18.5±1.5V	2%	285.66	271.38
675—GPFM250-24	24V	7.5A	10.5A	28±2.5V	2%	285.66	271.38
675—GPFM250-28	28V	6.5A	9A	34±2.8V	2%	285.66	271.38
675—GPFM250-48	48V	3.8A	5.3A	55±4.0V	2%	285.66	271.38

WR SERIES AC INPUT SINGLE AND MULTIPLE OUTPUT

- Universal Input 85 ~ 264 VAC
- Output voltage adjustable
- Overvoltage / overcurrent protection
- EMI meets EN 55022/B, FCC/B
- Approved UL1950, EN60950, CSA234

Other voltages available. Contact a Mouser Service Representative. For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Dimensions (IN)			Price Each			
					W	L	H	1	5	10	25
Single Output											
618-WRM05SXU	WRM05SX-U	A	15W	5	3.82	3.88	1.32	60.54	56.76	54.87	52.98
618-WRM12SXU	WRM12SX-U	A	15W	12	3.82	3.88	1.32	60.54	56.76	54.87	52.98
618-WRM24SXU	WRM24SX-U	A	15W	24	3.82	3.88	1.32	60.54	56.76	54.87	52.98
618-WRT24SXU	WRT24SX-U	A	30W	24	3.82	4.88	1.44	76.86	72.06	69.66	67.26
618-WRB24SXU	WRB24SX-U	A	50W	24	3.82	6.26	1.56	104.77	98.22	94.95	91.67
618-WRE24SXU	WRE24SX-U	A	150W	24	2.56	8.15	3.66	246.64	231.23	223.52	215.81
2 Channel Output											
618-WRA24FWX	WRA24FWX-U	A	25W	5 12	1.3	4.59	3.82	76.86	72.06	69.66	67.26
618-WRB21FWX	WRB21FWX-B-U	A	50W	5 24	1.56	6.26	3.82	114.77	107.60	104.01	100.42
3 Channel Output											
618-WRM04X	WRM04X-U	A	15W	5 +/-15	1.32	3.88	3.82	65.54	61.44	59.39	57.34
618-WRB01X	WRB01X-U	A	50W	5 +/-12	1.56	6.26	3.82	119.76	112.28	108.53	104.79

FH SERIES AC INPUT SINGLE OUTPUT

- 3 year warranty
- Universal Input: 85-264 VAC
- Immunity against surge and burst
- Power factor corrected
- EMI/RFI complies to VDE 0871/B, EN 55022/B, FCC/B
- UL, CSA, and VDE approvals

Other voltages available. Contact a Mouser Service Representative. For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Dimensions (IN)			Price Each			
					W	L	H	1	5	10	25
618-FHD24SX	FHD24SX-U	B	100W	30	1.89	7.52	3.66	205.42	192.59	186.17	179.75
618-FHE24SX	FHE24SX-U	B	150W	24	2.56	8.15	3.66	267.50	250.79	242.43	234.07
618-FHF24SX	FHF24SX-U	B	300W	24	4.72	6.69	3.66	459.66	430.94	416.57	402.21
618-FHP30SX	FHP30SX-U	B	450W	30	4.72	7.48	3.66	554.19	519.56	502.24	484.92
618-FHG48SX	FHG48SX-U	B	600W	48	5.12	7.87	3.66	674.96	632.78	611.68	590.59

BW SERIES AC INPUT SINGLE OUTPUT

- Universal Input: 85~264 VAC
- Meets UL 1950, CSA (C-UL), EN60950
- Overvoltage/overcurrent protection
- EMI complies with EN55022B, FCC/B

Other voltages available. Contact a Mouser Service Representative. For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Dimensions (IN)			Price Each			
					W	L	H	1	5	10	25
618-BWS05SX	BWS05SX-U	C	10W	5	1.97	4.13	0.79	28.19	26.43	25.55	24.67
618-BWS12SX	BWS12SX-U	C	10W	12	1.97	4.13	0.79	28.19	26.43	25.55	24.67
618-BWT36SX	BWT36SX-U	C	30W	36	2.17	5.24	1.02	47.36	44.40	42.92	41.44
618-BWC48SX	BWC48SX-U	C	75W	48	2.17	8.74	1.26	76.66	71.87	69.47	67.07

ER SERIES AC INPUT SINGLE OUTPUT

- UL 1950-D3 approved
- EMI complies to FCC/A, FCC/B, for ERD and ERE series
- Overvoltage/overcurrent protection
- Universal Input 85~132 VAC

Other voltages available. Contact a Mouser Service Representative. For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Dimensions (IN)			Price Each			
					W	L	H	1	5	10	25
618-ERS05SA	ERS05SA	D	10W	5	2.91	2.68	1.06	38.05	35.67	34.48	33.29
618-ERS12SA	ERS12SA	D	10W	12	2.91	2.68	1.06	38.05	35.67	34.48	33.29
618-ERS24SA	ERS24SA	D	10W	24	2.91	2.68	1.06	38.05	35.67	34.48	33.29
618-ERA24SA	ERA24SA	D	25W	24	3.82	4.59	1.22	56.94	53.39	51.61	49.83
618-ERD15SA	ERD15SA	D	100W	15	1.97	6.50	3.66	118.53	111.12	107.42	103.71
618-ERE24SA	ERE24SA	D	150W	24	2.56	6.97	3.62	154.13	144.50	139.68	134.86

WT SERIES AC ADAPTERS

- Low ripple noise
- Input: 100~240 VAC
- Output Connector: 2.1 x 5.5mm
- 2.5 Foot DC cord included

Other voltages available. Contact a Mouser Service Representative. For quantities of 50 and up, call for quote.

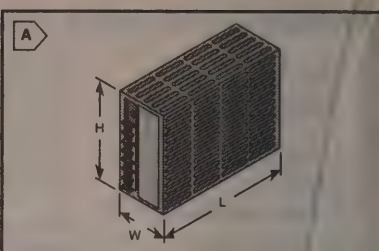
MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Dimensions (IN)			Price Each			
					W	L	H	1	5	10	25
618-WCR6.6-3.3SX	WCR6.6-3.3SX-Y-2	E	6.6W	3.3	1.75	2.56	1.05	12.89	11.57	9.92	9.58
618-WCS10-05SX	WCS10-05SX-Y-2	E	10W	5	1.75	2.56	1.05	12.89	11.57	9.92	9.58
618-WMS10-06SX	WMS10-06SX-Y-2	F	10W	6	2.98	2.00	1.24	12.89	11.57	9.92	9.58
618-WMS10-07.5SX	WMS10-07.5SX-Y-2	F	10W	7.5	2.98	2.00	1.24	12.89	11.57	9.92	9.58
618-WMS10-09SX	WMS10-09SX-Y-2	F	10W	9	2.98	2.00	1.24	12.89	11.57	9.92	9.58
618-WMS10-12SX	WMS10-12SX-Y-2	F	10W	12	2.98	2.00	1.24	12.89	11.57	9.92	9.58

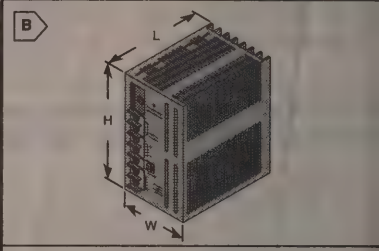
DT SERIES AC ADAPTERS

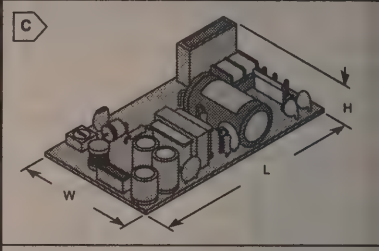
- Low ripple noise
- Over power, over voltage and short circuit protection
- Input: 115~230 VAC

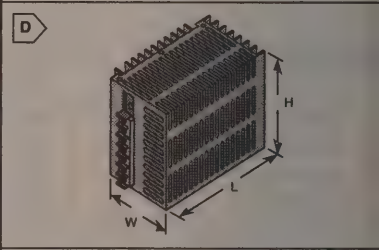
Other voltages available. Contact a Mouser Service Representative. For quantities of 50 and up, call for quote.

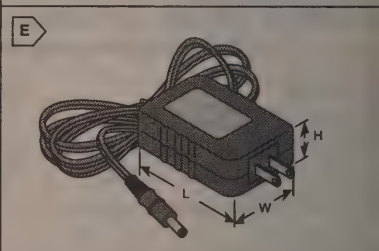
MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Dimensions (IN)			Price Each			
					W	L	H	1	5	10	25
618-DTM15-5SX	DTM15-5SX-SP	G	12.5W	5	1.97	3.39	1.30	23.61	22.53	21.31	20.10
618-DTM15-7.5SX	DTM15-7.5SX-SP	G	15W	7.5	1.97	3.39	1.30	23.61	22.53	21.31	20.10
618-DTL60-20SX	DTL60-20SX-W	G	60W	19.5	2.72	5.20	1.57	32.00	31.20	30.40	28.80
618-DTL60-19SX	DTL60-19SX-W	G	60W	19	2.72	5.20	1.57	32.00	31.20	30.40	28.80
618-DTD100-19SX	DTD100-19SX-W	G	100W	19	4.13	7.36	2.36	65.63	62.19	58.73	55.28
618-DTA27-0512FWX	DTA27-0512FWX-W	G	27W	Dual(+5, +12)	2.36	4.17	1.18	35.64	33.67	32.07	30.30
618-DTA27-3X	DTA27-3X-W	G	27W	Triple(+5, +12, -12)	2.72	5.20	1.57	39.50	37.53	35.55	33.58
618-DTB47-3X	DTB47-3X-W	G	47W	Triple(+5, +12, -12)	2.72	5.20	1.57	44.55	42.52	40.23	37.94

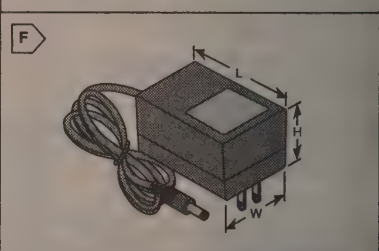


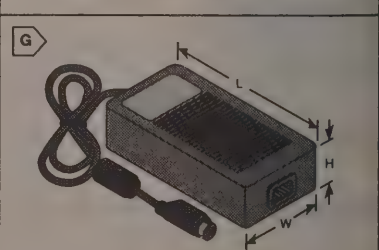






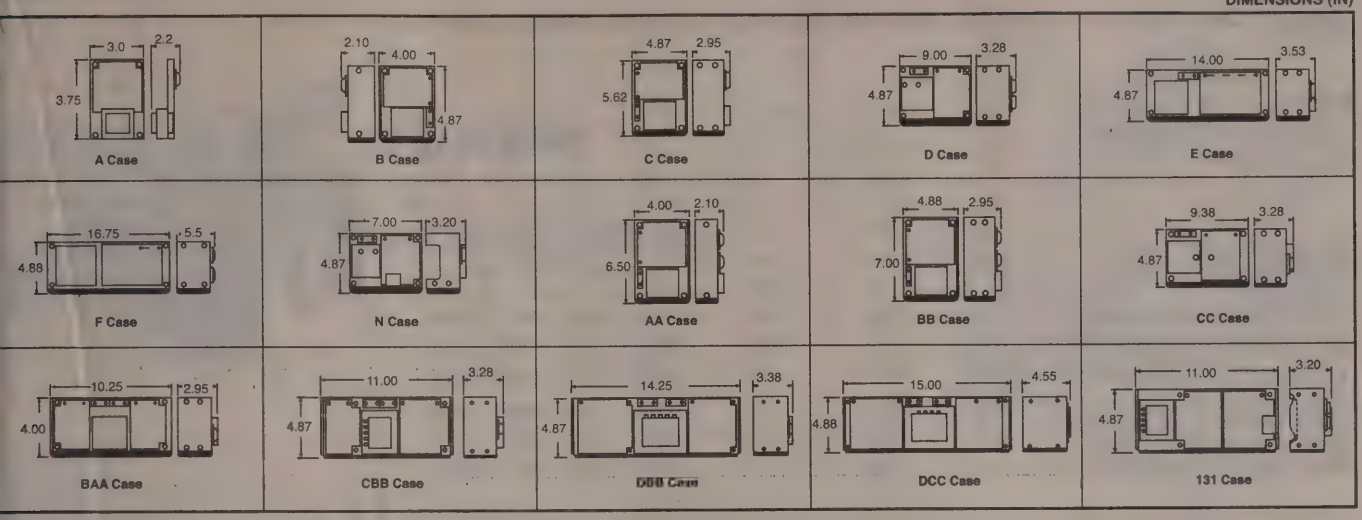






INTERNATIONAL POWER Linear DC Power Supplies

DIMENSIONS (IN)



LINEAR DC POWER SUPPLIES

Single Output Models

MOUSER STOCK NO.	Case Style	Output #1	Price Each 1	Price Each 10
597-A5-1.2/P	A	5V @ 1.2A	28.28	27.30
597-A5-1.5/P	B	5V @ 1.5A	29.80	28.77
597-B5-3/P	B	5V @ 3A	34.50	32.77
597-C5-6/P	C	5V @ 6A	57.50	54.62
597-N5-9/P	N	5V @ 9A	78.50	74.59
597-D5-12/P	D	5V @ 12A	88.77	84.78
597-E5-18/P	E	5V @ 18A	125.95	119.65
597-F5-25/P	F	5V @ 25A	184.51	178.97
597-B12-1.7	B	12V @ 1.7A	34.50	32.77
597-C12-3.4	C	12V @ 3.4A	52.50	49.87
597-N12-5.1	N	12V @ 5.1A	73.50	69.82
597-D12-6.8	D	12V @ 6.8A	83.95	79.95
597-E12-10.2	E	12V @ 10.2A	115.50	109.73
597-A15-0.5	A	12V-15V @ 0.5A	28.28	27.30
597-A15-0.9	B	12V-15V @ 0.9A	29.70	28.67
597-B15-1.5	B	15V @ 1.5A	34.50	32.77
597-C15-3.0	C	15V @ 3A	52.50	49.87
597-N15-4.5	N	15V @ 4.5A	73.50	69.82
597-D15-6.0	D	15V @ 6A	83.95	79.75
597-F15-15	F	12V@16A or 15V@15A	184.51	178.97
597-A24-0.5	B	24V @ 0.5A	29.70	28.67
597-B24-1.2	B	24V @ 1.2A	34.50	32.77
597-C24-2.4	C	24V @ 2.4A	52.50	49.87
597-N24-3.6	N	24V @ 3.6A	73.50	69.82
597-D24-4.8	D	24V @ 4.8A	83.95	79.75
597-E24-7.2	E	24V @ 7.2A	114.90	109.72
597-F24-12	F	24V@12A or 28V@10A	184.51	178.97
597-B28-1.0	B	28V @ 1.0A	34.50	32.77
597-C28-2.0	C	28V @ 2.0A	52.50	49.87
597-N28-3.0	N	28V @ 3.0A	73.50	69.82
597-D28-4.0	D	28V @ 4.0A	83.95	79.75
597-E28-6.0	E	28V @ 6.0A	115.50	109.73
597-B48-0.5	B	48V @ 0.5A	36.50	34.68
597-C48-1.0	C	48V @ 1.0A	57.50	54.62
597-D48-3.0	D	48V @ 3.0A	88.77	84.78
597-E48-4.0	E	48V @ 4.0A	125.95	119.65
597-B155-0.12	B	135-170V @ .12A	41.95	39.85
597-B200-0.12	B	175-210V @ .12A	41.95	39.85
597-B250-0.1	B	215-265V @ .1A	41.95	39.85

Specifications:
- AC input: 100/120/220/230-240VAC, +10%-13%, 47 to 63Hz
- Line regulation: ±0.05% for a +10% line change
- Load regulation: ±0.05% for a 50% load change
- Output ripple: 5.0mV max. peak-to-peak on 5-28V units, 0.02% max. peak-to-peak on 48-155V units, 0.05% max. peak-to-peak on 200-250V units

Features:
- UL, CUL, TUV, CE safety approved
- Over voltage protection on 5V outputs (set @ 6.2±0.4V)
- All chassis are pre-drilled to accommodate 597-P12 and 597-P24 over voltage protection modules
- Two year warranty

1950 E133338 950

Over Voltage Protection Modules

MOUSER STOCK NO.	Price Each 1	Price Each 10
597-P12	7.95	7.80
597-P24	14.95	14.66

Dual Output Models

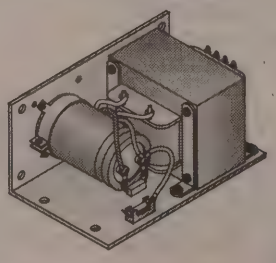
MOUSER STOCK NO.	Case Style	Output #1	Output #2	Price Each 1	Price Each 10
597-AA512	AA	5V @ 2A	12-15V @ 0.5A	52.50	49.88
597-BB512	BB	5V @ 3A	12-15V @ 1.5A	62.95	59.80
597-CC512	CC	5V @ 6A	12-15V @ 2.5A	99.50	94.53
597-AD12-0.4	B	12V @ 0.4A	-12V @ 0.4A	38.75	36.81
597-AD15-0.4	B	15V @ 0.4A	-15V @ 0.4A	38.75	36.80
597-AA15-0.8	AA	12V @ 1A or 15V @ 0.8A	-12V @ 1A or -15V @ 0.8A	45.00	42.75
597-BB15-1.5	BB	12V @ 1.7A or 15V @ 1.5A	-12V @ 1.7A or -15V @ 1.5A	57.50	54.62
597-CC15-3.0	CC	12V @ 3.4A or 15V @ 3.0A	-12V @ 3.4A or -15V @ 3.0A	91.91	87.87
597-DD15-5.0	E	12-15V @ 5A	-12-15V @ 5A	136.50	129.68
597-AA24-0.6	AA	18-20V @ 0.4A or 24V @ 0.6A	-18-20V @ 0.4A or -24V @ 0.6A	45.00	42.75
597-BB24-1.2	BB	18-20V @ 0.9A or 24V @ 1.2A	-18-20V @ 0.9A or -24V @ 0.6A	57.50	54.63
597-CC24-2.4	CC	18-20V @ 1.8A or 24V @ 2.4A	-18-20V @ 1.8A or -24V @ 2.4A	92.50	87.88

Triple Output Models

MOUSER STOCK NO.	Case Style	Output #1	Output #2	Output #3	Price Each 1	Price Each 10
597-TAA-16W	AA	5V @ 2A	12 to 15V @ 0.4A	-12 to -15V @ 0.4A or -5V @ 0.4A	57.75	54.86
597-BAA-40W	BAA	5V @ 3A	12V @ 1A or 15V @ 0.8A	-12V @ 1A or -15V @ 0.8A or -5V @ 0.4A	79.25	75.76
597-BCC512	CC	5V @ 3A	12V @ 3.4A or 15V @ 3A	-12V @ 3.4A or -15V @ 3A	122.25	119.70
597-BCC524	CC	5V @ 3A	18-20V @ 1.8A or 24V @ 2.4A	-18-20V @ 1.8A or -24V @ 2.4A	123.98	119.70
597-CAA-60W	D	5V @ 6A	12 to 15V @ 1A	-12 to -15V @ 1A or -5V @ 0.4A	94.50	89.77
597-CBB-75W	CBB	5V @ 6A	12V @ 1.7A or 15V @ 1.5A	-12V @ 1.7A or -15V @ 1.5A or -5V @ 0.7A	104.95	99.70
597-CP131	131	5V @ 8A	12V @ 1.7A or 15V @ 1.5A	-12V @ 1.7A or -15V @ 1.5A or -5V @ 0.7A	125.95	119.65
597-DBB-105W	DBB	5V @ 12A	12V @ 1.7A or 15V @ 1.5A	-12V @ 1.7A or -15V @ 1.5A or -5V @ 0.7A	141.50	134.43
597-DCC-150W	DCC	5V @ 12A	12V @ 3.4A or 15V @ 3A	-12V @ 3.4A or -15V @ 3A	162.50	154.38

UNREGULATED POWER SUPPLIES

The IP500U series unregulated power supply line is designed for high current applications at low cost when full regulation is not required. This rugged, highly reliable power supply line is ideal for applications such as powering solenoids, relays, DC motors, lamps, and DC-DC converters.



Specifications:
- AC input: 108/120/132/216/240/264VAC, 47 to 63Hz
- Output ripple: 3%RMS @ full rated load, 4% on 12 volt model
- Efficiency @ full load: 80% typical
- UL recognized for USA and Canada, file no. 133338
- CE & TUV

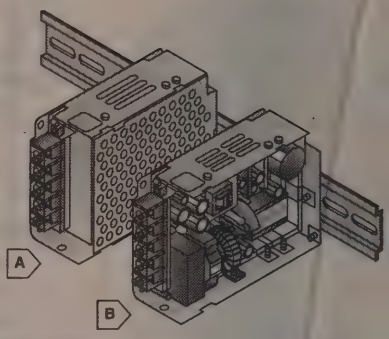
950 1950 E133338

MOUSER STOCK NO.	Typical DC Output @ 120VAC Input: No Load	Half Load	Full Load	Amps Full Load	Price Each 1	Price Each 10
597-IP500U24	29.2	26.8	24.6	20	160.79	155.25
597-IP500U36	42.8	38.2	36.1	13.3	187.05	180.60
597-IP500U48	56.6	52.8	48.8	10	160.79	155.25
597-IP500U75	85.5	78.2	74.8	6.6	187.05	180.60

OMRON Switching Power Supplies

S82PS SERIES: COMPACT DIN-RAIL MOUNT INDUSTRIAL POWER SUPPLY

Features:
- Rated input voltage: 100-240 VAC (Universal)
- Power factor correction (PFC) on all models
- DIN-rail mounting brackets provided
- Ten year life expectancy

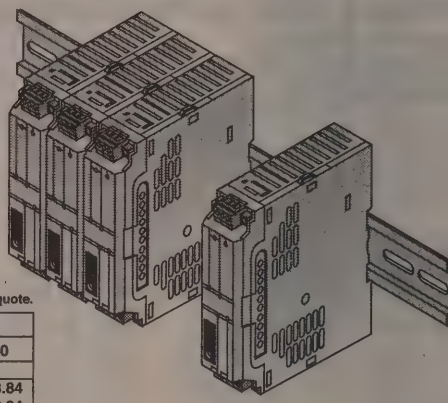


For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Power Rating	Output Voltage	Output Current	Price Each 1	10	25	50
Covered Type									
653-S8PS-05005CD	S8PS-05005CD	A	50 W	5 VDC	10 A	125.00	116.00	105.13	97.88
653-S8PS-05012CD	S8PS-05012CD	A	50 W	12 VDC	4.2 A	125.00	116.00	105.13	97.88
653-S8PS-05024CD	S8PS-05024CD	A	50 W	24 VDC	2.1 A	125.00	116.00	105.13	97.88
653-S8PS-10024CD	S8PS-10024CD	A	100 W	24 VDC	4.5 A	198.00	183.74	166.52	155.03
Open-Frame Type									
653-S8PS-05005D	S8PS-05005D	B	50 W	5 VDC	10 A	120.00	111.36	100.92	93.96
653-S8PS-05012D	S8PS-05012D	B	50 W	12 VDC	4.2 A	120.00	111.36	100.92	93.96
653-S8PS-05024D	S8PS-05024D	B	50 W	24 VDC	2.1 A	120.00	111.36	100.92	93.96
653-S8PS-10024D	S8PS-10024D	B	100 W	24 VDC	4.5 A	193.00	179.10	162.31	151.12

S8TS SERIES: BLOCK TYPE DIN MOUNT POWER SUPPLY

Features:
- Rated input voltage: 100-240 VAC (Universal)
- AC/DC bus system which allows up to 4 blocks to be connected to increase power from 60 to 240 W.
- N+1 redundant capability for a highly reliable system. (12V and 24V models)
- Size consistency minimizes stock types
- Flexible connection for multi-output power supply (5V, 12V, 24V outputs)
- Overcurrent and overvoltage protection

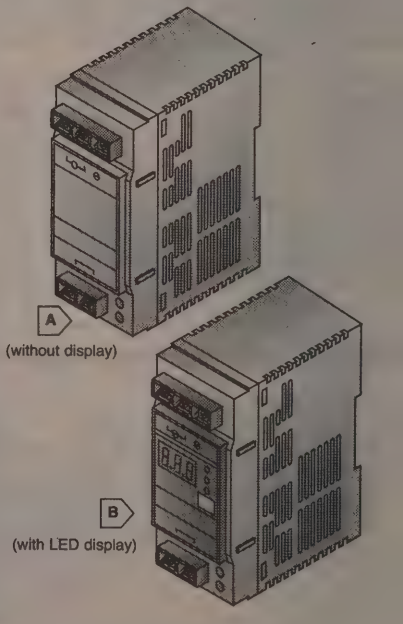


For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Rating	Output Voltage	Output Current	Price Each 1	10	25	50
With bus line connectors								
653-S8TS-06024F-E1	S8TS-06024F-E1	60 W	24 VDC	2.5 A	139.00	129.00	116.90	108.84
653-S8TS-03012F-E1	S8TS-03012F-E1	30 W	12 VDC	2.5 A	139.00	129.00	116.90	108.84
Without bus line connectors								
653-S8TS-02505F	S8TS-02505F	25 W	5 VDC	5 A	139.00	122.50	111.01	103.36
Bus line connectors		**Description**			1	25	50	100
653-S8T-BUS01	S8T-BUS01	AC line + DC line bus (For parallel operation)			7.31	6.62	5.89	5.28
653-S8T-BUS02	S8T-BUS02	AC line bus (For series or isolated operation)			7.31	6.62	5.89	5.28

S8VS SERIES: SLIM DIN RAIL MOUNT POWER SUPPLY

Features:
- Rated input voltage: 100-240 VAC (Universal)
- Ultra-compact: 60W model 40W x 95H; 90W model 50W x 115H
- 3-digit, LED display shows status at a glance (except basic models)
- Run-time monitor model displays how long the output has been on.
- Life time monitor model displays remaining life of power supply in years.
- SEMI F47 Certified



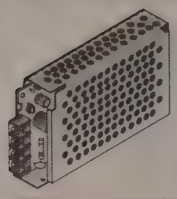
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Power Rating	Output Voltage	Output Current	Price Each 1	10	25	50
Basic Unit									
653-S8VS-06024	S8VS-06024	A	60 W	24 VDC	2.5 A	99.00	91.58	83.00	77.27
653-S8VS-09024	S8VS-09024	A	90 W	24 VDC	3.75 A	149.00	138.27	125.31	116.67
With lifetime monitor									
653-S8VS-06024A	S8VS-06024A	B	60 W	24 VDC	2.5 A	132.00	122.50	111.00	103.36
653-S8VS-09024A	S8VS-09024A	B	90 W	24 VDC	3.75 A	172.00	159.62	144.64	134.68
With run-time monitor									
653-S8VS-06024B	S8VS-06024B	B	60 W	24 VDC	2.5 A	132.00	122.50	111.00	103.36
653-S8VS-09024B	S8VS-09024B	B	90 W	24 VDC	3.75 A	172.00	159.62	144.64	134.68

ACCESSORIES FOR DIN RAIL MOUNT POWER SUPPLIES

MOUSER STOCK NO.	Omron Part No.	Description	Price Each 1	25	50	100
653-PFP-100N	PFP-100N	DIN rail, 1M length x 7.3mm wide	6.36	5.79	5.13	4.50
653-PFP-M	PFP-M	End plate	.69	.63	.56	.50

S8E3 SERIES: MULTI-OUTPUT SWITCHING POWER SUPPLY

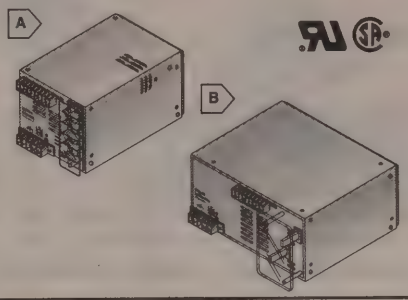


atures:
Economical and compact

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Rating	Output Voltage/Current			Price Each			
			V1	V2	V3	1	2	5	10
53-S8E3-03031D	S8E3-03031D	30 W	5V/3 A	12V/1.2A	-12V/.3A	96.00	89.09	80.74	75.17
53-S8E3-05031D	S8E3-05031D	50 W	5V/5 A	12V/1.5A	-12V/.5A	116.00	107.65	97.56	90.83

S82D SERIES: HIGH-GRADE SWITCHING POWER SUPPLY

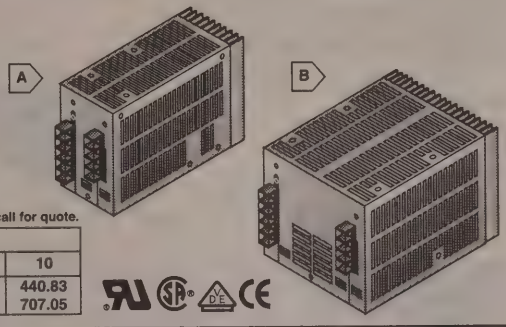


atures:
High-grade power supply for demanding industrial applications
Rated input voltage: 120-240 VAC
Equipped with overvoltage and overload protection
Equipped with remote sensing and remote control functions
Fan alarm signal warns of possible fan malfunction
Parallel connection of 2 power supplies possible for loads drawing high current
2 pairs of output terminals on the 300 W models simplify wiring 2 loads
Ten year life expectancy

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Power Rating	Output Voltage	Output Current	Price Each			
						1	2	5	10
53-S82D-3024	S82D-3024	A	300 W	24 VDC	14 A	821.00	761.89	690.46	642.84
53-S82D-6024	S82D-6024	B	600 W	24 VDC	27 A	1267.00	1175.78	1065.55	992.06

S82F SERIES: INDUSTRIAL-GRADE POWER SUPPLY

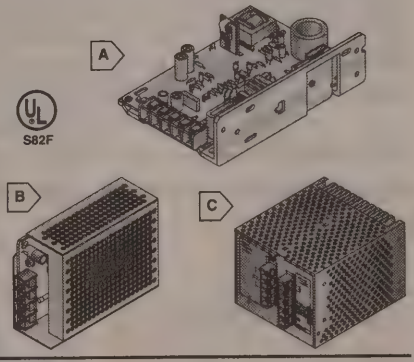


atures:
Rated input voltage: 120 or 240 VAC
Correct input voltage range is automatically selected: 120VAC or 240VAC
Equipped with overcurrent and overvoltage protection to protect the load and power supply.
Equipped with remote control function which makes it possible to turn the output on or off without turning the power supply on or off.
Equipped with remote sensing function which corrects a voltage drop in the load wiring.
Single output
Ten year life expectancy

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Power Rating	Output Voltage	Output Current	Price Each			
						1	2	5	10
53-S82F-1524	S82F-1524	A	150 W	24 VDC	7 A	563.00	522.46	473.48	440.83
53-S82F-3024	S82F-3024	B	300 W	24 VDC	14 A	903.00	837.98	759.42	707.05

S82J SERIES: GENERAL PURPOSE SWITCHING POWER SUPPLY



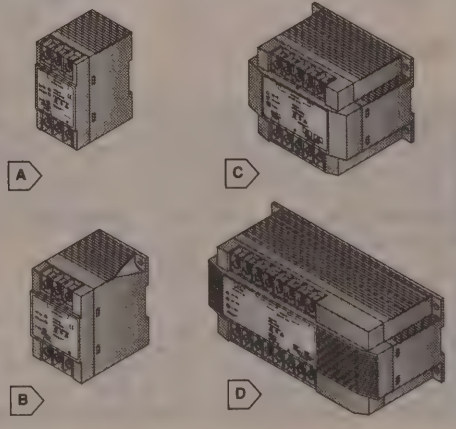
eatures:
Economical and compact
Built-in overload protection
Designed for front-mounting
Input voltage: S82J-0105 - 100-120 VAC; S82J-05024A and S82J-10024D - 100-240 VAC S82J-30024 - 100-120/200-240 VAC

S82F

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Power Rating	Output Voltage	Output Current	Price Each			
						1	5	10	20
Open-frame type									
53-S82J-01005A	S82J-01005A	A	10 W	5 VDC	2 A	43.00	39.90	36.16	33.67
53-S82J-05024A	S82J-05024A	A	50 W	24 VDC	2.1 A	84.50	78.42	71.06	66.16
Covered type, front terminals									
53-S82J-10024D	S82J-10024D	B	100 W	24 VDC	4.5 A	136.00	126.21	114.38	106.49
						1	2	5	10
Enclosed type, front terminals									
53-S82J-30024	S82J-30024	C	300 W	24 VDC	14 A	454.00	421.31	381.81	355.48

S82K SERIES: DIN MOUNT SWITCHING POWER SUPPLY



Features:
- Rated input voltage: 100-240 VAC for all except S82K-10024, which is 120/240 VAC selectable
- UL 508 listed on all models
- Undervoltage indicators on all models
- Finger-safe terminal block cover
- Class 2 approved on all models
- Mounting brackets included for use when not mounting directly on DIN rail

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Power Rating	Output Voltage	Output Current	Price Each		
						1	10	25
653-S82K-00305	S82K-00305	A	3 W	5 VDC	0.6 A	49.00	44.05	41.21
653-S82K-00312	S82K-00312	A	3 W	12 VDC	0.25 A	49.00	44.05	41.21
653-S82K-00324	S82K-00324	A	3 W	24 VDC	0.13 A	49.00	44.05	41.21
653-S82K-00705	S82K-00705	A	7.5 W	5 VDC	1.5 A	54.00	48.55	45.41
653-S82K-00712	S82K-00712	A	7.5 W	12 VDC	0.6 A	54.00	48.55	45.41
653-S82K-00724	S82K-00724	A	7.5 W	24 VDC	0.3 A	54.00	48.55	45.41
653-S82K-01505	S82K-01505	B	15 W	5 VDC	2.5 A	81.00	72.82	68.12
653-S82K-01512	S82K-01512	B	15 W	12 VDC	1.2 A	81.00	72.82	68.12
653-S82K-01524	S82K-01524	B	15 W	24 VDC	0.6 A	81.00	72.82	68.12
653-S82K-03024	S82K-03024	C	30 W	24 VDC	1.3 A	109.00	97.99	91.67
653-S82K-05024	S82K-05024	C	50 W	24 VDC	2.1 A	135.00	121.37	113.54
653-S82K-10024	S82K-10024	D	100 W	24 VDC	4.2 A	197.00	177.10	165.68
DIN rail	Description					1	25	50
653-PFP-100N	PFP-100N	1 m length x 7.3 mm wide				6.36	5.79	5.13

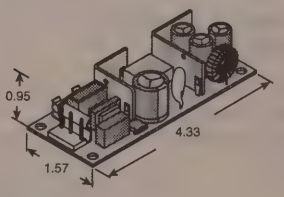
PHIHONG Power Supplies

PHIHONG PSA15LN 15 WATT SINGLE OUTPUT SERIES

Specifications:
- AC input voltage: 90-264VAC
- Efficiency: 65% min.@Full Load, 115VAC
- AC input frequency: 47-63Hz
- Max. power: 15W
- Regulation (line/load): ±1%/±2%

Features:
- Low 1" profile
- CISPR 22B; FCC B EMI
- ±5% voltage adjustment

DIMENSIONS (IN.)



For quantities of 100 and up, call for quote.

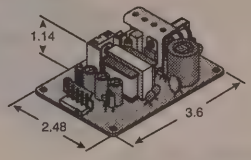
MOUSER STOCK NO.	Phihong Part No.	Output Voltage	Load Min.	Load Max.	Ripple P-P	Price Each 1	Price Each 5	Price Each 25
552-PSA-15LN3-050	PSA-15LN3-050	5V	0A	3.0A	50mV	19.75	17.95	16.95
552-PSA-15LN3-120	PSA-15LN3-120	12V	0A	1.25A	120mV	19.75	17.95	16.95
552-PSA-15LN3-150	PSA-15LN3-150	15V	0A	1.00A	150mV	19.75	17.95	16.95
552-PSA-15LN3-240	PSA-15LN3-240	24V	0A	.63A	240mV	19.75	17.95	16.95

PHIHONG PSA25L 25 WATT COMPACT OEM SERIES

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 70% @ 25W 120VAC, 60Hz
- Operates with 3 wire AC

Features:
- Low 1.14" profile
- Integral AC connector
- CISPR 22B; FCC B EMI

DIMENSIONS (IN.)



For quantities of 100 and up, call for quote.

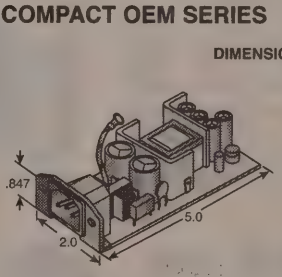
MOUSER STOCK NO.	Phihong Part No.	Output Volt.	Load Min.	Load Max.	Ripple P-P	Regulation Line	Regulation Load	Price Each 1	Price Each 5	Price Each 25
Single Output										
552-PSA-25L-050	PSA-25L-050	+5V	0.0A	4.0A	50mV	±0.5%	±2%	21.95	19.95	18.50
552-PSA-25L-120	PSA-25L-120	+12V	0.0A	2.0A	120mV	±0.5%	±2%	21.95	19.95	18.50
552-PSA-25L-150	PSA-25L-150	+15V	0.0A	1.7A	120mV	±0.5%	±2%	21.95	19.95	18.50
552-PSA-25L-240	PSA-25L-240	+24V	0.0A	1.0A	240mV	±0.5%	±2%	21.95	19.95	18.50
Multiple Output										
552-PSA-25L-201	PSA-25L-201	5V	0.2A	2.6A	50mV	±1%	±2%	23.93	21.75	19.95
		12V	0.0A	1.0A	120mV	±1%	±2%			
552-PSA-25L-301	PSA-25L-301	5V	0.2A	2.0A	120mV	±1%	±5%	23.93	21.75	19.95
		12V	0.1A	1.0A	120mV	±1%	±10%			
		-12V	0.0A	0.3A	120mV	±1%	±5%			

PHIHONG PSA25LS 25 WATT COMPACT OEM SERIES

Specifications:
- AC input voltage: 90-264VAC
- AC input frequency: 47-63Hz
- Efficiency: 70% typical
- Regulation (line/load): ±1%/±2%
- AC input connector: EN 60320/C14
- DC output connector: Molex 09-65-2048

Features:
- Low 0.85" profile
- Integral AC connector
- CISPR 22B; FCC B EMI

DIMENSIONS (IN.)



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Output Voltage	Load Min.	Load Max.	Ripple P-P	Price Each 1	Price Each 5	Price Each 25
552-PSA-25LS-033	PSA-25LS-033	3.3V	0A	5.0A	50mV	23.87	21.70	20.00
552-PSA-25LS-050	PSA-25LS-050	5V	0A	5.0A	50mV	23.87	21.70	20.00

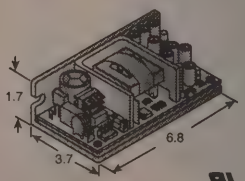
PHIHONG PSA110 110 WATT L-BRACKET STYLE UNIVERSAL SERIES

Specifications:
- AC input voltage: 90-264VAC
- Efficiency: 70% typical @ full load

† Unrestricted natural convection cooling

Features:
- Integral EMI filter
- 100% burn-in
- Over voltage protection

DIMENSIONS (IN.)



For quantities of 250 and up, call for quote.

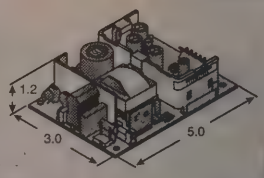
MOUSER STOCK NO.	Phihong Part No.	Output Voltage	Load Min.	Load Max. †	Load 30cfm	Ripple P-P	Regulation Line	Regulation Load	Price Each 1	Price Each 5	Price Each 25	Price Each 100
552-PSA-110-112	PSA-110-112	12V	0A	7A	9A	120mV	±2%	±2%	77.00	70.00	65.00	57.00
552-PSA-110-115	PSA-110-115	15V	0A	5A	7.3A	150mV	±2%	±2%	77.00	70.00	65.00	57.00
552-PSA-110-124	PSA-110-124	24V	0A	3.3A	4.5A	240mV	±2%	±2%	77.00	70.00	65.00	57.00

PHIHONG PSA45 45 WATT UNIVERSAL CLASS B EMI SERIE

Specifications:
- AC input voltage: 90-264VAC
- Efficiency: 70% @ 45W 120VAC, 60Hz
- Minimum load: 0A

Features:
- Industrial
- ISO 9001 quality system
- Zero minimum loads
- Surface mount controller

DIMENSIONS (IN.)



† Unrestricted natural convection cooling

For quantities of 100 and up, call for quote.

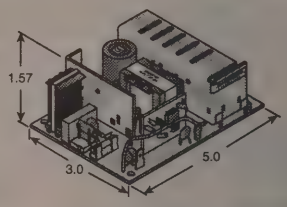
MOUSER STOCK NO.	Phihong Part No.	Output Voltage	Load Max.†	Ripple P-P	Regulation (L-L)	Price Each 1	Price Each 5	Price Each 25
552-PSA-45-050	PSA-45-050	+5V	8A	50mV	±2%	30.25	27.50	25.50
552-PSA-45-120	PSA-45-120	+12V	4A	120mV	±2%	30.25	27.50	25.50
552-PSA-45-240	PSA-45-240	+24V	2A	240mV	±2%	30.25	27.50	25.50
552-PSA-4531	PSA-4531	+5V	4A	50mV	±2%	32.95	29.95	27.75
		+12V	1.5A	120mV	±5%			
		-12V	0.5A	120mV	±5%			
552-PSA-4534	PSA-4534	+5V	4A	7A	±2%	32.95	29.95	27.75
		+15V	1.2A	3A	±5%			
		-15V	0.5A	1A	±5%			
552-PSA-4541	PSA-4541	+5V	3A	7A	±2%	33.99	30.90	28.50
		+12V	2A	4A	±5%			
		-12V	0.5A	1A	±5%			
		+5V	0.5A	1A	±5%			

PHIHONG PSA60 60 WATT SWITCHING SERIES

Specifications:
- AC input voltage: 90-264VAC
- Efficiency: 70% typical @ full load

Features:
- Short circuit, over voltage protection
- Built-in EMI filter

DIMENSIONS (IN.)



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Output Voltage	Load Min.	Load Max.	Ripple P-P	Total Regulation	Price Each 1	Price Each 5	Price Each 25
552-PSA-60-112	PSA-60-112	12V	0A	5A	120mV	±2%	34.93	31.75	29.95
552-PSA-60-124	PSA-60-124	24V	0A	2.5A	240mV	±2%	34.93	31.75	29.95
552-PSA-60-203	PSA-60-203	5.1V	1A	4A	50mV	±2%	37.68	34.25	31.50
		12V	0.3A	3.5A	120mV	±5%			
552-PSA-60-301	PSA-60-301	5.1V	1A	6A	50mV	±2%	37.68	34.25	31.50
		12V	0.3A	2.2A	120mV	±5%			
		-12V	0A	0.3A	120mV	±5%			

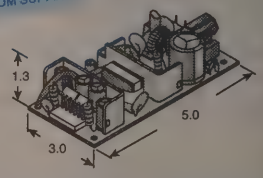
PHIHONG PSA075 75 WATT LOW COST SERIES

Specifications:
- AC input voltage: 90-264VAC
- AC input frequency: 47-63Hz
- Output efficiency: +5V 65%; +12V 70%; +24V 75% min.

Features:
- Class B conducted EMI
- Over voltage and short circuit protection
- Zero minimum load

NEW FROM SUPPLIER

DIMENSIONS (IN.)



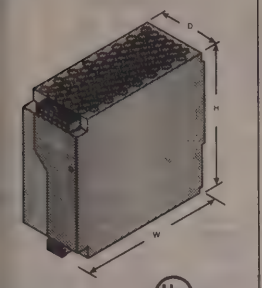
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Output Voltage	Load Max.	Ripple P-P	Regulation Line	Regulation Load	Price Each 1	Price Each 5	Price Each 25
552-PSA075-050	PSA075-050	+5V	11A	100mV	±1%	±3%	32.75	30.09	28.32
552-PSA075-120	PSA075-120	+12V	6.25A	120mV	±1%	±2%	32.75	30.09	28.32
552-PSA075-240	PSA075-240	+24V	3.125A	240mV	±1%	±2%	32.75	30.09	28.32

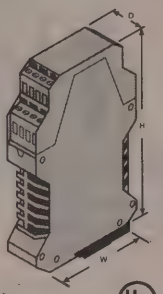
PHOENIX CONTACT DIN Rail Power Supplies & Accessories

PHOENIX CONTACT
INSPIRING INNOVATIONS

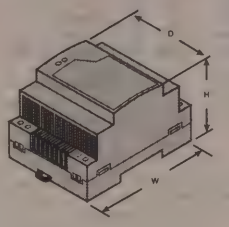
A Quint Power



B Mini Power



C Step Power



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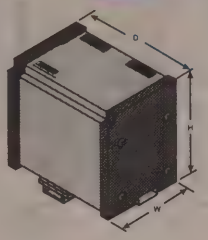
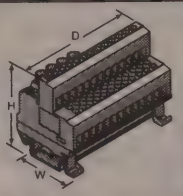


E



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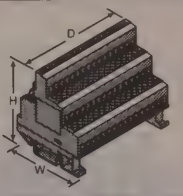


QUINT POWER SUPPLIES (2ND GENERATION)

Primary Switched-Mode Power Supplies
Features:

DIN-rail mounted
Universal voltage input (Auto-ranging)
Electronic overload protection
Compact space-saving design
24V DC Output (22.5 to 28.5V DC adjustable)
Connect in parallel for redundancy and capacity
POWER BOOST output up to 50%
High MTBF rating over 500,000 hours
DC OK LED
DC OK Signal Output
DC OK Dry Contact
Rapid Pluggable Terminals
Metal AluNox Housing
UL 508 Rated, Listing #60950

MINI POWER SUPPLIES

Primary Switched-Mode Power Supplies
Features:

- DIN-rail mounted
- Universal voltage input (Auto-ranging)
- Narrow mounting width
- Electronic overload protection
- Compact space-saving design
- Dual Output
- Connect in parallel for redundancy and capacity
- POWER BOOST output up to 100%
- High MTBF rating over 500,000 hours
- Green Polyamide PA Housing
- Rapid Pluggable Terminals
- UL 508 Rated, Listing #60950

STEP POWER SUPPLIES

Primary Switched-Mode Power Supplies
Features:

- DIN-rail mounted
- Universal voltage input (Auto-ranging)
- 57.8mm Low Profile Design
- Electronic overload protection
- Compact space-saving design
- Connect in parallel for redundancy and capacity
- MTBF rating over 150,000 hours
- Green Plastic Housing
- Profile similar to standard terminal blocks
- UL 508 Rated, Listing #60950

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Input Voltage Range	Input Frequency	Output Voltage	Output Current	Operational Temperature	Dimensions (mm)			Price Each	
								W	D	H	1	5
Quint Power (Single Phase)												
651-2938811	A	QUINT-PS-100-240AC/12DC/10	85-264 AC/ 90-350 DC	45-65Hz	12	10A	-25° to +70°C	122	85	130	340.00	325.00
651-2938578	A	QUINT-PS-100-240AC/24DC/2.5	85-264 AC/ 90-350 DC	45-65Hz	24	2.5A	-25° to +70°C	125	55	130	160.00	150.00
651-2938581	A	QUINT-PS-100-240AC/24DC/5	85-264 AC/ 90-350 DC	45-65Hz	24	5.0A	-25° to +70°C	125	55	130	240.00	225.00
651-2938604	A	QUINT-PS-100-240AC/24DC/10	85-264 AC/ 90-350 DC	45-65Hz	24	10.0A	-25° to +70°C	125	85	130	345.00	315.00
651-2938620	A	QUINT-PS-100-240AC/24DC/20	85-264 AC/ 90-350 DC	45-65Hz	24	20.0A	-25° to +70°C	125	157	130	485.00	Call
Quint Power (Three Phase)												
651-2938594	A	QUINT-PS-3x400-500AC/24DC/5	3x320-575 AC/ 450-800 DC	45-65Hz	24	5.0A	-25° to +70°C	125	73	130	255.00	239.00
651-2938617	A	QUINT-PS-3x400-500AC/24DC/10	3x320-575 AC/ 450-800 DC	45-65Hz	24	10.0A	-25° to +70°C	125	85	130	345.00	323.00
651-2938727	A	QUINT-PS-3x400-500AC/24DC/20	3x320-575 AC/ 450-800 DC	45-65Hz	24	20.0A	-25° to +70°C	125	160	130	454.00	Call
Mini Power												
651-2938714	B	MINI-PS-100-240AC/5DC/3	85-264AC / 90-350DC	45-65Hz	5	3A	-25° to +70° C	99	22.5	114.5	89.10	83.16
651-2938756	B	MINI-PS-100-240 AC/10-15 DC/2	85-264AC / 90-350DC	45-65Hz	10 - 15	2A	-25° to +70° C	99	45	114.5	125.00	115.00
651-2938743	B	MINI-PS-100-240AC/2x15DC/1	85-264AC / 90-350DC	45-65Hz	15	1A	-25° to +70° C	99	45	114.5	98.10	91.56
651-2938840	B	MINI-PS-100-240AC/24DC/1	85-264AC / 90-350DC	45-65Hz	24	1A	-25° to +70° C	99	22.5	114.5	80.17	74.73
651-2938730	B	MINI-PS-100-240AC/24DC/2	85-264AC / 90-350DC	45-65Hz	24	2A	-25° to +70° C	99	45	114.5	98.10	91.56
651-2938837	B	MINI-PS-100-240AC/24DC/4	85-264AC / 90-350DC	45-65Hz	24	4A	-25° to +70° C	99	67.5	115.4	156.20	141.12
651-2866336	B	MINI-PS-100-240AC/24DC/C2LPS	85-264AC / 90-350DC	45-65Hz	24	3.8A	-25° to +70° C	99	67.5	114.5	159.00	143.10
Step Power												
651-2938918	C	STEP-PS-100-240AC/5DC/4	85-264AC / 110-350DC	45-65Hz	5	4A	0° to + 55° C	90	71	57.8	89.10	83.16
651-2938921	C	STEP-PS-100-240AC/12DC/3	85-264AC / 110-350DC	45-65Hz	12	3A	0° to + 55° C	90	71	57.8	80.10	74.76
651-2938934	C	STEP-PS-100-240AC/15DC/2.44	85-264AC / 110-350DC	45-65Hz	15	2.4A	0° to + 55° C	90	71	57.8	89.10	83.16
651-2938947	C	STEP-PS-100-240AC/24DC/1.5	85-264AC / 110-350DC	45-65Hz	24	1.5A	0° to + 55° C	90	71	57.8	62.10	57.96
651-2938950	C	STEP-PS-100-240AC/48DC/0.75	85-264AC / 110-350DC	45-65Hz	48	0.75A	0° to + 55° C	90	71	57.8	98.10	91.56

SURGE PROTECTION DEVICE FOR AC POWER SYSTEMS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Description	MCOV	Dimensions (mm)			Price Each	
					H	D	W	1	5
651-2856702	D	SFP 1-20/120AC	DIN rail surge protection TVSS with filter for 120V AC	175V AC	111.5	86.5	79	281.00	258.58

DIN RAIL DISTRIBUTION TERMINAL BLOCKS

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Input Voltage Range	Max Voltage	Input Current	Output Current	AWG Input/Output	Dimensions (mm)			Price Each	
								H	D	W	1	10
651-2295651	E	FLK-PVB 2/24	2 input/ 12 distributor	250 V	30A Max	16A Max	24-10 / 24-12	51.7	71	51.60	41.36	39.29
651-2295664	E	FLK-PVB 2/36	2 input/ 18 distributor	250 V	30A Max	16A Max	24-10 / 24-12	51.7	96	51.60	49.25	46.78
651-2295677	F	FLK-PVB 2/48	2 input/ 24 distributor	250 V	30A Max	16A Max	24-10 / 24-12	61.5	86	71.00	62.00	57.00

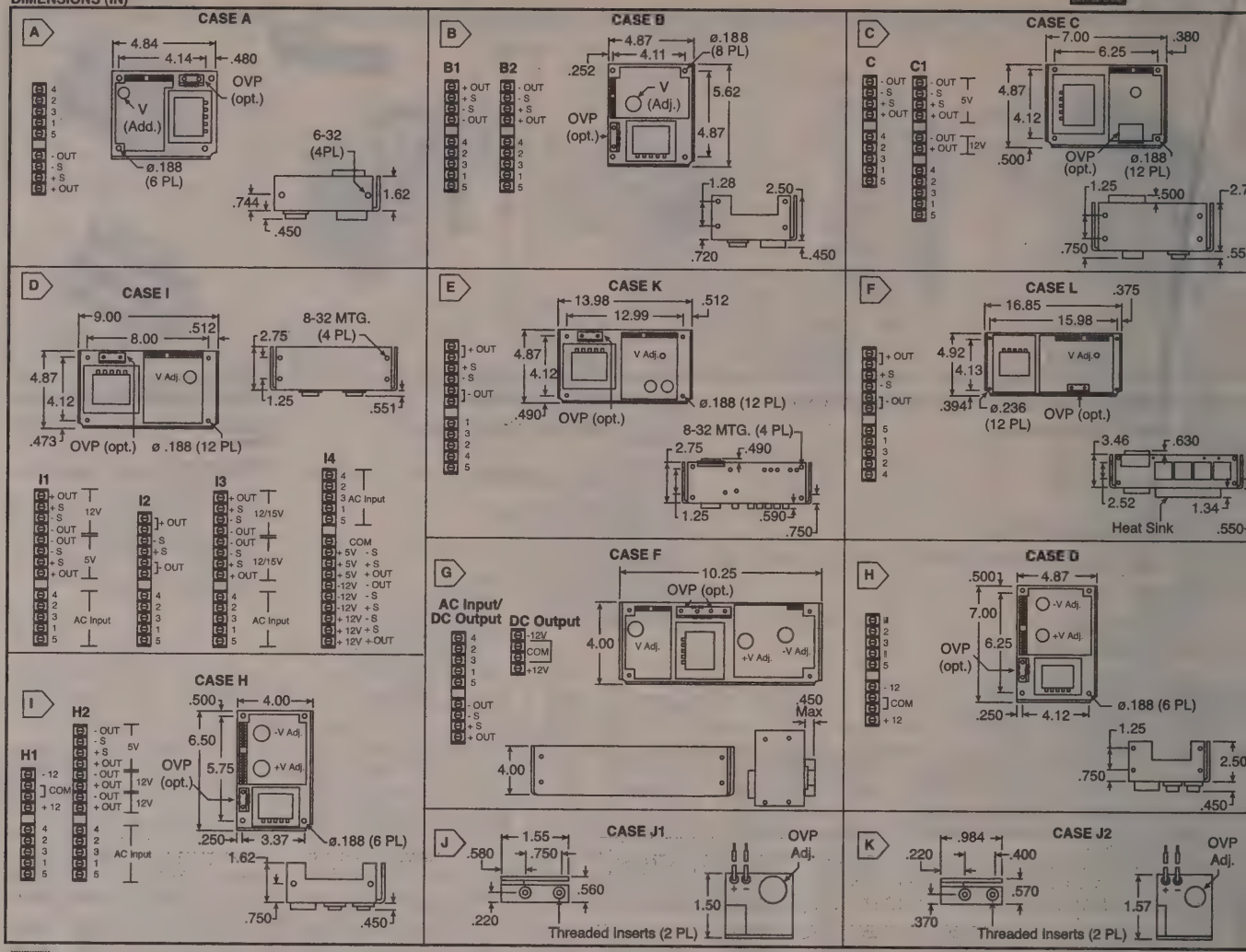
DIN RAIL MOUNTING CHANNELS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Description	Length	Width	Height	Material/Finish	Price Each		
								1	10	50
651-5602100	- - -	NS 35/7.5 Perforated	Din Rail - Perforated	1 Meter	35mm	7.5mm	Steel / Yellow Passivated	8.91	8.25	6.60
651-5603400	- - -	NS 35/7.5 Unperforated	Din Rail - Unperforated	1 Meter	35mm	7.5mm	Steel / Yellow Passivated	11.06	10.24	8.16
651-5603401	- - -	NS 35/15 Perforated	Din Rail - Perforated	1 Meter	35mm	15mm	Steel / Yellow Passivated	22.74	21.05	16.78
651-5603402	- - -	NS 35/15 Unperforated	Din Rail - Unperforated	1 Meter	35mm	15mm	Steel / Yellow Passivated	17.98	16.64	13.27

SOLA/HEVI-DUTY Linear Power Supplies

DIMENSIONS (IN)

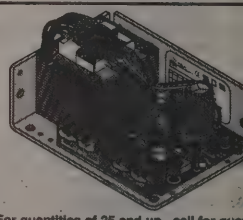


SILVER LINE SERIES - SINGLE & MULTI-OUTPUT LINEARS

The Silver Line series follows the industry accepted foot-print for open frame, linear power supplies. Sola improves on this design by offering standard screw terminal connections and optional covers for safety considerations.

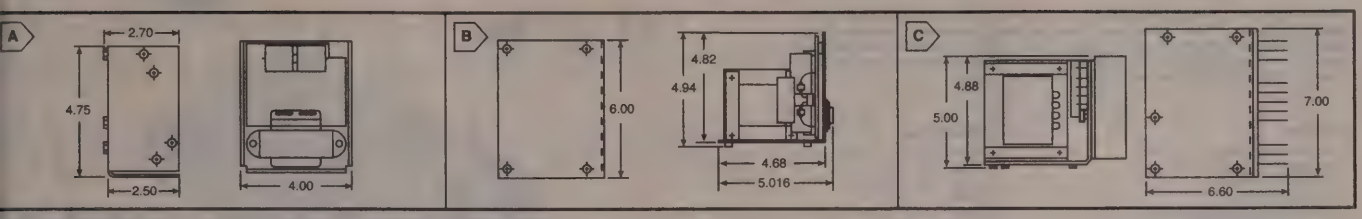
Features:

- Two year warranty
- Low noise, extremely quiet DC output
- Universal input and approvals (115/230VAC)
- Low noise, extremely quiet DC output
- For noise sensitive or analog circuitry
- Short circuit protected
- Built-in OVP on 5V models and optional on 12, 15, and 24V models
- Easy-to-install screw terminal connections
- Automatic resetting overload protection
- Industry standard footprint
- Fast transient response, ideal for test applications



For quantities of 25 and up, call for quo

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Fig.	Case Style	Output 1	Output 2	Output 3	Built-In OVP	Price Each 1	5	10
Single Output										
663-SLS-05-030-1T	SLS-05-030-1T	A	A	5V @ 3A	---	---	Yes	47.00	46.06	44.42
663-SLS-05-060-1T	SLS-05-060-1T	B	B1	5V @ 6A	---	---	Yes	70.00	68.60	66.16
663-SLS-12-017T	SLS-12-017T	A	A	12V @ 1.7A or 15V @ 1.5A	---	---	No	47.00	46.06	44.42
663-SLS-12-034T	SLS-12-034T	B	B1	12V @ 3.4A	---	---	No	67.00	62.72	60.48
663-SLS-24-012T	SLS-24-012T	A	A	24V @ 1.2A	---	---	No	47.00	46.06	44.42
663-SLS-24-024T	SLS-24-024T	B	B2	24V @ 2.4A	---	---	No	67.00	62.72	60.48
663-SLS-24-036T	SLS-24-036T	C	C	24V @ 3.6A	---	---	No	97.00	95.06	91.67
663-SLS-24-048T	SLS-24-048T	D	I2	24V @ 4.8A	---	---	No	129.00	126.42	121.91
663-SLS-24-072T	SLS-24-072T	E	K	24V @ 7.2A	---	---	No	142.00	139.16	134.20
663-SLS-24-120T	SLS-24-120T	F	L	24V @ 12.0A	---	---	No	193.00	182.28	175.77
Dual Output										
663-SLD-12-1010-12T	SLD-12-1010-12T	I	H1	12V @ 1A or 15V @ .8A	-12V @ 1A or -15V @ .8A	---	No	56.00	54.88	52.92
663-SLD-12-1818-12T	SLD-12-1818-12T	H	D	12V @ 1.8A or 15V @ 1.5A	-12V @ 1.8A or -15V @ 1.5A	---	No	79.00	77.42	74.66
663-SLD12-3015-05T	SLD12-3015-05T	C	C1	5V @ 3A	12V @ 1.5A	---	V1	83.00	81.34	78.44
663-SLD12-3434-12T	SLD-12-3434-12T	D	I3	12V @3.4A	-12V @ 3.4A	---	No	110.00	107.80	103.95
663-SLD12-6034-05T	SLD12-6034-05T	D	I1	5V @ 6A	12V @ 3.4A	---	V1	117.00	114.66	110.57
663-SLD15-3030-15T	SLD15-3030-15T	D	I3	15V @ 3A	-15V @ 3A	---	No	110.00	107.80	103.95
Triple Output										
663-SLT12-20404-12T	SLT12-20404-12T	I	H2	5V @ 2A	12V @ .4A or 15V @ .4A	-12V @ .4A or -15V @ .4A	V1	71.00	69.58	67.10
663-SLT12-31010-12T	SLT12-31010-12T	G	F	5V @ 3A	12V @ 1A or 15V @ .8A	-12V @ 1A or -15V @ .8A	V1	94.00	92.12	88.83
663-SLT12-61010-12T	SLT12-61010-12T	D	I4	5V @ 6A	12V @ 1A or 15V @ 1A	-12V @ 1A or -15V @ 1A	V1	117.00	114.66	110.57
Over Voltage Protector (OVP)										
663-SLO-12-000-1	SLO-12-000-1	J	J1	6.2V to 34V Adjustable @ 8A	For Cases B through K			13.00	12.74	12.29
663-SLO-12-000-TB	SLO-12-000-TB	K	J2	6.2V to 34V Adjustable @ 8A	For Case A or Cases B through K (when used with a cover)			13.00	12.74	12.29



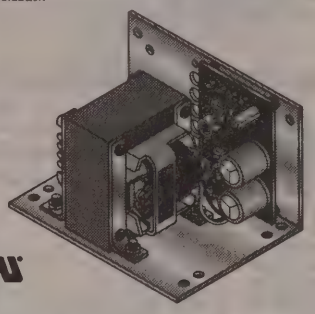
SOLA/HEVI-DUTY LINEAR OEM POWER SUPPLIES

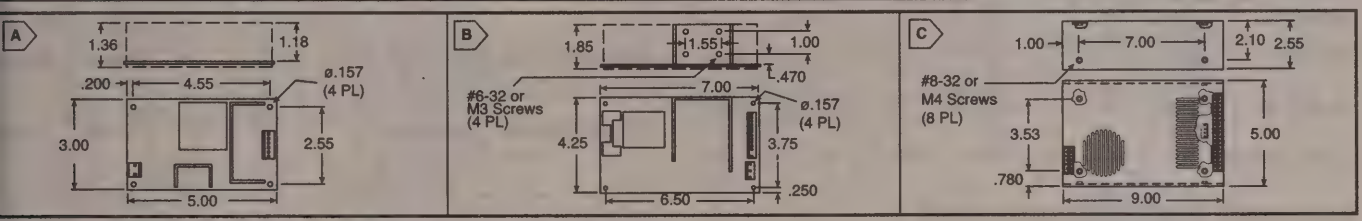
Features:
- Low noise output
- 115/230 VAC input
- Remote sensing
- Current limiting - automatic reset
- Built-in OVP on 5V models
- One year warranty

Applications:
- Microprocessor circuits
- Process controls
- Control circuits
- Noise sensitive circuits
- Instrumentation
- CNC machinery
- Analog circuits
- Isolated floating output
- Designed for both bench and rack use
- Terminal block on case D models (24V/6A)
- Completely protected short circuit proof; automatic foldback

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Fig.	Case Style	Output	Price Each 1	2	5	10
663-83-05-230-3	83-05-230-3	A	B	5V @ 3.0A	67.07	65.73	63.38	61.04
663-83-12-218-3	83-12-218-3	A	B	12V @ 1.8A	78.60	77.03	74.28	71.53
663-83-24-212-3	83-24-212-3	A	B	24V @ 1.2A	73.36	71.89	69.33	66.76
663-83-05-260-3	83-05-260-3	B	C	5V @ 6A	160.34	157.14	151.53	145.91
663-83-12-250-3	83-12-250-3	B	C	12V @ 5A	160.34	157.14	151.53	145.91
663-83-24-225-3	83-24-225-3	B	C	24V @ 2.5A	149.86	146.87	141.63	136.38
663-83-05-312-3	83-05-312-3	C	D	5V @ 12A	237.90	233.14	224.82	216.49
663-83-12-310-3	83-12-310-3	C	D	12V @ 10A	237.90	233.14	224.82	216.49
663-83-24-260-3	83-24-260-3	C	D	24V @ 6A	223.22	218.76	210.95	203.13





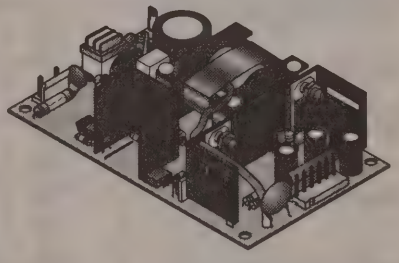
SOLA/HEVI-DUTY GL SERIES - SINGLE OUTPUT SWITCHERS

Features:
- One year warranty
- Universal input
- Compact size
- Automatic overload protection
- Input voltage: 85-264VAC
- Frequency: 47-630Hz
- Over voltage protection on Output # 1
- 200W models enclosed with screw terminals
- On board input fuse
- 100% burn-in
- Power fail signal on 110 and 200 Watt models
- Multiple output models also available. Contact a Mouser Service Representative.

* 110W with 25CFM airflow, 80W with convention cooling.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Fig.	Power	Output	Line Regulation	Load Regulation	Price Each 1	5	10	25
663-GLS-01-040	GLS-01-040	A	40W	5V @ 6A	± 0.5%	±1%	64.58	58.76	56.66	54.57
663-GLS-02-040	GLS-02-040	A	40W	12V @ 3.5A	± 0.5%	±1%	64.58	58.76	56.66	54.57
663-GLS-03-040	GLS-03-040	A	40W	15V @ 3A	± 0.5%	±1%	64.58	58.76	56.66	54.57
663-GLS-04-040	GLS-04-040	A	40W	24V @ 2A	± 0.5%	±1%	64.58	58.76	56.66	54.57
663-GLS-01-110	* GLS-01-110	B	110W	5V @ 22A	± 0.5%	±1%	143.50	130.59	125.92	121.26
663-GLS-02-110	* GLS-02-110	B	110W	12V @ 9A	± 0.5%	±1%	143.50	130.59	125.92	121.26
663-GLS-03-110	* GLS-03-110	B	110W	15V @ 7.5A	± 0.5%	±1%	143.50	130.59	125.92	121.26
663-GLS-04-110	* GLS-04-110	B	110W	24V @ 4.5A	± 0.5%	±1%	143.50	130.59	125.92	121.26
663-GLS-01-200	GLS-01-200	C	200W	5V @ 40A	± 0.5%	±1%	233.70	212.67	205.07	197.48
663-GLS-02-200	GLS-02-200	C	200W	12V @ 16.7A	± 0.5%	±1%	233.70	212.67	205.07	197.48
663-GLS-03-200	GLS-03-200	C	200W	15V @ 13.4A	± 0.5%	±1%	233.70	212.67	205.07	197.48
663-GLS-04-200	GLS-04-200	C	200W	24V @ 8.4A	± 0.5%	±1%	233.70	212.67	205.07	197.48



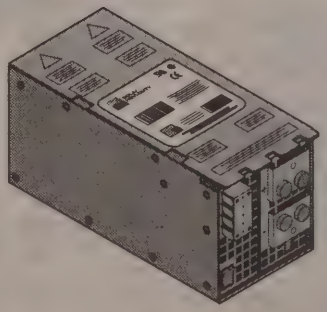
SOLA/HEVI-DUTY SHP SERIES, HEAVY DUTY MODULAR POWER SUPPLIES

These high power, modular power supplies, from 1500 to 2000 watts, are capable of up to 12 independent outputs. Modular design makes these units easy to customize for unusual voltage and power combinations. All units have power factor corrected inputs, an end mounted fan for cooling and a variety of built-in signals and controls. High reliability and a flexible design make these an excellent choice for process control and semiconductor fabrication applications.

Features:
- Multiple output versions available - contact a Mouser Service Representative
- IEC 801 immunity standards
- 86-264VAC input voltage
- Current share on all outputs
- End mounted fan
- Voltage adjustment on all outputs
- Overload protection on all outputs
- Power factor correction (.99 typ.)
- Margining on all outputs
- Modular construction
- Two year warranty
- Shipped Factory Direct

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Voltage	Output Current	Maximum Output	Price Each
663-SH15-Q2	SH15-Q2	3.3V	300A	1500W	1451.00
663-SH15-Q3	SH15-Q3	5V	300A	1500W	1401.00
663-SH15-Q4	SH15-Q4	12V	125A	1500W	1401.00
663-SH15-Q5	SH15-Q5	15V	100A	1500W	1401.00
663-SH15-Q6	SH15-Q6	24V	62.4A	1500W	1401.00
663-SH15-Q7	SH15-Q7	28V	53.4A	1500W	1401.00
663-SH15-Q8	SH15-Q8	36V	41.6A	1500W	1401.00
663-SH15-Q9	SH15-Q9	48V	31.2A	1500W	1401.00
663-SH20-Q3K3-7	SH20-Q3K3-7	5V	420A	2000W	2180.00
663-SH20-Q6K6-7	SH20-Q6K6-7	24V	87.4A	2000W	2180.00
663-SH20-Q9K9-7	SH20-Q9K9-7	48V	43.7A	2000W	2180.00



UL 1950
E137632

SOLA/HEVI-DUTY Modular Power Supplies

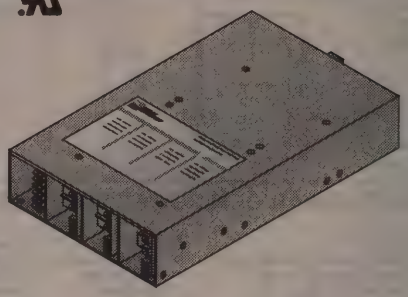
These medium power, modular power supplies, from 250W to 1000W, are capable of up to 12 independent outputs. Modular design makes these units easy to customize for unusual voltage and power combinations. All units have power factor corrected inputs, an end mounted fan for cooling and a variety of built-in signals and controls. High reliability and a flexible design make these an excellent choice for process control and semiconductor fabrication applications.

Features:

- Worldwide safety agency approval
- Universal AC input (90-264VAC) (180-264VAC on SM9)
- Meets IEC1000-3-2
- PFC compliant with EN61000-3-2
- Cover and end mounted fan
- Capable of up to 12 independent outputs
- Thermal overload protection
- Fully isolated outputs
- Shipped factory direct

Dimensions:

- SM2: 1.68" x 4" x 9.65"
- SM3: 1.68" x 5" x 10.6"
- SM4: 1.68" x 5" x 10.5"
- SM6: 2.5" x 5" x 11"
- SM9: 2.5" x 7" x 11"



SM2 SERIES, 250W MAXIMUM OUTPUT

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Voltage		Load	Price Each	
					1	2
663-SM2-S3	SM2-S3	1	5V	50A	390.00	382.20
663-SM2-S4	SM2-S4	1	12V	20A	342.00	335.16
663-SM2-S5	SM2-S5	1	15V	16.6A	342.00	335.16
663-SM2-S6	SM2-S6	1	24V	10A	362.00	354.76
663-SM2-S7	SM2-S7	1	28V	9A	362.00	354.76
663-SM2-S9	SM2-S9	1	48V	5A	362.00	354.76
663-SM2-R2	SM2-R2	1	15V	5A	332.00	325.36
		2	15V	5A		
663-SM2-U4	SM2-U4	1	5V	40A	419.00	410.62
		2	24V	2.5A		
663-SM2-T1	SM2-T1	1	5V	20A	453.00	443.94
		2	12V	4A		
		3	12V	4A		
663-SM2-T2	SM2-T2	1	5V	20A	463.00	453.74
		2	15V	3A		
		3	15V	3A		

SM3 SERIES, 350W MAXIMUM OUTPUT

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Voltage		Load	Price Each	
					1	2
663-SM3-S3R1	SM3-S3R1	1	5V	50A	456.00	446.88
		2	12V	6A		
		3	12V	6A		
663-SM3-S3R2	SM3-S3R2	1	5V	50A	456.00	446.88
		2	15V	5A		
		3	15V	5A		
663-SM3-U4R1	SM3-U4R1	1	5V	40A	532.00	521.36
		2	12V	6A		
		3	12V	6A		
		4	24V	2.5A		
663-SM3-U4R2	SM3-U4R2	1	5V	40A	532.00	521.36
		2	15V	5A		
		3	15V	5A		
		4	24V	2.5A		
663-SM3-U2R6	SM3-U2R6	1	5V	40A	542.00	531.16
		2	12V	6A		
		3	12V	4A		
		4	5V	8A		

SM4 SERIES, 450W MAXIMUM OUTPUT

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Voltage		Load	Price Each	
					1	2
663-SM4-S3S3	SM4-S3S3	1	5V	50A	502.00	491.96
		2	5V	50A		
663-SM4-S3S6	SM4-S3S6	1	5V	50A	522.00	511.56
		2	24V	10A		
663-SM4-S6S6	SM4-S6S6	1	24V	10A	542.00	531.16
		2	24V	10A		
663-SM4-U2S3	SM4-U2S3	1	5V	40A	589.00	577.22
		2	12V	20A		
		3	12V	4A		
663-SM4-T6S3	SM4-T6S3	1	5V	50A	613.00	600.74
		2	12V	10A		
		3	12V	4A		
		4	5V	4A		
663-SM4-U4T6	SM4-U4T6	1	5V	40A	690.00	676.20
		2	12V	10A		
		3	12V	4A		
		4	5V	4A		
		5	24V	2.5A		

SM6 SERIES, 600W MAXIMUM OUTPUT

For quantities of 5 and up, call for quote

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Voltage		Load	Price Each	
					1	2
663-SM6-C3	SM6-C3	1	5V	100A	800.00	784.00
663-SM6-C6	SM6-C6	1	24V	21A	800.00	784.00
663-SM6-C7	SM6-C7	1	28V	18A	677.00	663.46
663-SM6-C9	SM6-C9	1	48V	10.5A	702.00	687.96
663-SM6-B3B3	SM6-B3B3	1	5V	60A	908.00	889.84
		2	5V	60A		
663-SM6-B3A3A4A4	SM6-B3A3A4A4	1	5V	60A	1092.00	1070.16
		2	12V	10A		
		3	12V	10A		
		4	5V	20A		
663-SM6-B3A3A5A5	SM6-B3A3A5A5	1	5V	60A	1098.00	1076.04
		2	15V	8A		
		3	15V	8A		
		4	5V	20A		
663-SM6-A3A5A5A6	SM6-A3A5A5A6	1	5V	20A	1015.00	994.70
		2	15V	8A		
		3	15V	8A		
		4	24V	6A		

SM9 SERIES, 1000W MAXIMUM OUTPUT

For quantities of 5 and up, call for quote

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Voltage		Load	Price Each	
					1	2
663-SM9-C3C3	SM9-C3C3	1	5V	100A	1298.00	1272.04
		2	5V	100A		
663-SM9-D1C3B4	SM9-D1C3B4	1	5V	100A	1345.00	1318.10
		2	12V	25A		
		3	12V	10A		
		4	5V	10A		
663-SM9-B3B4A4A6	SM9-B3B4A4A6	1	5V	60A	1323.00	1296.54
		2	12V	25A		
		3	12V	10A		
		4	24V	6A		
663-SM9-B3B5A5A6	SM9-B3B5A5A6	1	5V	60A	1332.00	1305.36
		2	15V	20A		
		3	15V	8A		
		4	24V	6A		
663-SM9-E3C3B4	SM9-E3C3B4	1	5V	100A	1418.00	1389.64
		2	12V	25A		
		3	12V	4A		
		4	15V	1A		
		5	-15V	1A		
663-SM9-D3B3B4B4	SM9-D3B3B4B4	1	5V	60A	1418.00	1389.64
		2	12V	25A		
		3	12V	25A		
		4	5V	10A		
		5	24V	5A		
663-SM9-D3B3B5B5	SM9-D3B3B5B5	1	5V	60A	1431.00	1402.38
		2	15V	20A		
		3	15V	20A		
		4	5V	10A		
		5	24V	5A		
663-SM9-E1C3A6	SM9-E1C3A6	1	5V	100A	1369.00	1341.62
		2	5V	14A		
		3	12V	1A		
		4	-12V	1A		
		5	24V	6A		

SOLA/HEVI-DUTY DIN Rail Power Supplies

SDP LOW POWER DIN RAIL SERIES

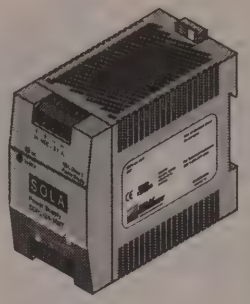
mpact DIN Rail power supplies from 5V to 48V DC in power ratings up to 100 watts. These mpact and efficient units are designed specifically for the industrial environment.

UL 508 Listed IND. CONT. EQ. 9HAO, E61379 | UL 1950 E137632 | CUL/CSA-C22.2 No. 234-M90 | EMC and Low Volt. Directive

atures:

- Adjustable outputs
- Overvoltage, short circuit protection
- Special industrial overload design
- Simple snap-on for DIN rail TS35/7.5 or TS 35/15
- Ultra Slim 15W footprint
- Dimensions: All units 2.95" x 1.77" x 3.59", except: SDP06-24-100T - 2.95" x 0.9" x 3.8" SDP4-24-100T - 2.85" x 2.85" x 3.8"
- Operational Temp Range: -10°C - 70°C
- Low Output noise
- Screw terminal connections
- DC OK indicator

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Power	Input Voltage	Input Current Nominal/Inrush	Output Voltage	Output Current	Efficiency	Price Each 1	5	10	25
63-SDP06-24-100T	SDP06-24-100T	15W	85-264VAC, 90-375VDC	0.4A/0.25A / Typ. <35A	24V 22.5-28.5V Adj.	0.6A	80%	69.00	65.05	62.79	Call for Quote
63-SDP5-5-100T	SDP5-5-100T	25W	85-264VAC, 90-375VDC	0.6A/0.37A / Typ. <35A	5V 5-6V Adj.	5A	80%	110.00	104.50	100.10	
63-SDP1-24-100T	SDP1-24-100T	30W	85-264VAC, 90-375VDC	0.7A/0.4A / Typ. <35A	24V 22.5-28.5V Adj.	1.3A	83%	99.00	91.75	90.09	
63-SDP2-24-100T	SDP2-24-100T	50W	85-264VAC, 90-375VDC	1.1A/0.7A / Typ. <35A	24V 22.5-28.5V Adj.	2.1A	86%	129.00	119.55	117.39	
63-SDP2-12-100T	SDP2-12-100T	30W	85-264VAC, 90-375VDC	0.66A/0.4A / Typ. <35A	12V 10-12V Adj.	2.5A	80%	123.00	116.85	111.93	
63-SDP4-24-100T	SDP4-24-100T	100W	85-264VAC, 90-375VDC	2.2A/1.2A typ. / Typ. <35A	24V 22.5-28.5V Adj.	4.2A	88%	169.00	160.55	153.79	
63-SDP3-15-100T	SDP3-15-100T	50W	85-264VAC, 90-375VDC	1.1A/0.7A / Typ. <35A	15V 12-15V Adj.	3.4A	86%	136.00	126.40	123.76	
63-SDP1-48-100T	SDP1-48-100T	50W	85-264VAC, 90-375VDC	1.1A/0.7A / Typ. <35A	48V 48-56V Adj.	1.05A	>85%	124.00	117.80	112.84	



SDN DIN RAIL SERIES

e SDN Din Rail power supplies provide industry leading performance. Sag immunity, transient suppression and noise tolerant, the SDN Series sures compatibility in demanding applications. Power factor correction to meet European directive, hazardous location approvals and optional dundant accessories allow the SDN Series to be used in a wide variety of applications. Wide operation temperature range, high tolerance to shock d vibration and reliable design make the SDN Series the definition of DC power quality.

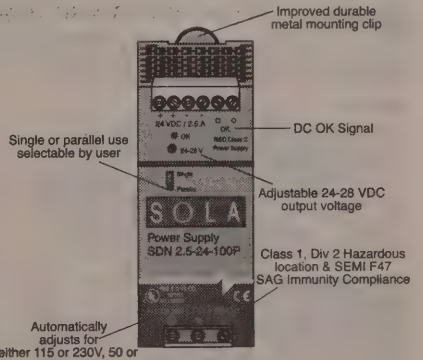
UL 508 Listed IND. CONT. EQ. 9HAO, E61379 | UL 1950 E137632 | CUL/CSA-C22.2 No. 234-M90 | EMC and Low Volt. Directive

atures:

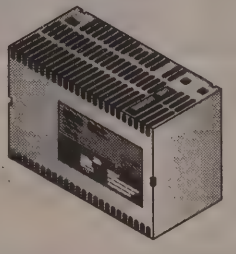
- User-friendly front panel - screw terminals for #10 AWG/4 mm², for quick installation
- Simple snap-on for DIN rail TS35/7.5 or TS 35/15 (Optional screw mounting available)
- Highly efficient - >90% switching technology
- Rugged metal case and DIN connector
- Operational Temp Range: -10°C - 60°C
- Power factor correction
- Frequency: 47-63Hz
- Dimensions: 4.88" (H) x 4.55" (D)
- Single phase models meet SEMI F47 Sag immunity

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Input Voltage (VAC)	Input Current (nom.)	Output Voltage	Output Current (nom.)	Rail Width (In.)	Price Each 1	5
Single Phase								
63-SDN2.5-24-100P	SDN2.5-24-100P	115/230 auto	1.3A / 0.7A	24V	2.5A (60W)	1.97	155.00	141.05
63-SDN4-24-100P	SDN4-24-100P	115/230 auto	2.6A / 1.4A	24V	4A (100W)	2.56	228.00	207.48
63-SDN5-24-100P	SDN5-24-100P	115/230 auto	2.6A / 1.4A	24V	5A (120W)	3.26	239.00	225.00
63-SDN10-24-100P	SDN10-24-100P	115/230 auto	6A / 2.8A typ.	24V	10A(240W)	6.88	348.00	316.68
63-SDN20-24-100P	SDN20-24-100P	115/230 auto	12A / 6A	24V	20A (480W)	8.94	579.00	526.89
Three Phase								
63-SDN5-24-480	SDN5-24-480	3PH 380-480	3.0A / 0.5A	24V	5A	2.91	251.00	233.30
63-SDN20-24-480C	SDN20-24-480C	3PH 380-480	3 x 1.5A	24V	20A	5.9	488.00	444.08
63-SDN30-24-480	SDN30-24-480	3PH 380-480	3 x 2.0A	24V	30A	9.72	646.00	587.86
63-SDN40-24-480	SDN40-24-480	3PH 380-480	3 x 3.0A	24V	40A	11.1	779.00	719.02
Hardware								
63-SDN-PMBRK2	SDN-PMBRK2	Screw set for mounting chassis to DIN Rail (1 per unit)					6.00	5.46


Improved durable metal mounting clip
DC OK Signal
Single or parallel use selectable by user
Adjustable 24-28 VDC output voltage
SOLA
Power Supply
SDN 2.5-24-100P
Class 1, Div 2 Hazardous location & SEMI F47 SAG Immunity Compliance
Automatically adjusts for either 115 or 230V, 50 or 60Hz Input.

SFL SERIES - 75-600W DIN RAIL SERIES



c UL us E196762

e SFL series provides more input voltage, output ltage, and power levels to give a broader range of dustrial DC power solutions. They feature a DIN Rail nnection, front panel DC OK indicators, and easily cessible AC and DC connections.

atures:

- 12V, 24V, and 48V outputs available from 1.5A - 24A
- Selectable input: 115/230 VAC
- Easy-to-wire pluggable and screw terminal connectors (screw terminals only on 600W models)
- Simple snap-on for DIN Rail TS 35/7.5 or TS 35/15

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Power (max.)	Output Voltage	Output Volt. Adjust. Range	Output Current	Switching Frequency	Dimensions (In.)	Price Each 1	2	5	10
63-SFL6-12-100	SFL6-12-100	75W	12VDC	12 - 14 VDC	6A	100kHz typ.	4.51 x 3.54 x 2.23	211.15	206.93	199.54	Call for Quote
63-SFL1.5-48-100	SFL1.5-48-100	75W	48VDC	48 - 52 VDC	1.5A	67kHz typ.	4.51 x 3.54 x 2.23	220.38	215.97	208.26	
63-SFL3-48-100	SFL3-48-100	150W	48VDC	48 - 52 VDC	3A	67kHz typ.	4.51 x 6.18 x 2.23	285.98	280.26	270.25	
63-SFL6-48-100	SFL6-48-100	300W	48VDC	48 - 52 VDC	6A	67kHz typ.	4.51 x 6.14 x 3.26	373.10	365.64	352.58	
63-SFL24-24-100	SFL24-24-100	600W	24VDC	24 - 28 VDC	24A	67kHz typ.	5.97 x 9.56 x 3.25	619.10	606.72	585.05	
63-SFL12-48-100	SFL12-48-100	600W	48VDC	48 - 52 VDC	12A	67kHz typ.	5.97 x 9.56 x 3.25	623.20	610.74	588.92	

Accessories For Din Rail Power Supplies

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Manufacturer's Type	Description	Price Each 1	5	50	100
653-PFP-100N	PFP-100N	DIN rail, 1M length x 7.3mm wide	6.36	5.79	5.13	4.50
653-PFP-M	PFP-M	DIN rail end plate	.69	.63	.56	.50

SOLA/HEVI-DUTY DIN Rail Power Supplies

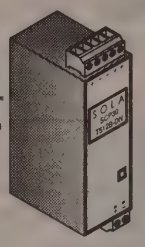
SCP SERIES, 30 WATT SWITCHERS

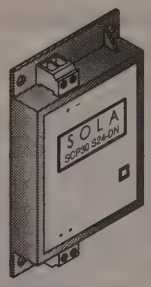
These switchers are compact, rugged encapsulated power supplies designed to power many industrial control and instrumentation devices and equipment, with high reliability and tight regulation.

Features:

- Input Voltage:
  85-264VAC
  100-375VDC
- 5-year warranty
- International approvals for global use
- DIN Rail or Chassis Mount
- IP20 protection
- M3 screw clamp terminations
- Simple snap-on for DIN Rail TS35/7.5 or TS35/15
- Chassis mounting possible on -DN Low-Profile versions by removing DIN clips
- Available in Low Profile or Slim Line packages
- Dimensions (H x W x D):
  Low Profile "-DN" - 4.72" x 2.55" x 1.29"
  Slim Line "B-DN" - 4.72" x 1.29" x 2.68"

UL 1950 E137632 | CUL/CSA-C22.2 No. 234-M90 | EMC and Low Volt. Directive


Slim Line


Low Profile

For quantities of 50 and up, call for quote

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Voltages V1	V2	V3	Min. Load V1 (A)	Dimensions (In.)	Efficiency	Price Each 1	5	10	25
Low Profile - DIN Rail or Chassis Mount											
663-SCP30S3.3-DN	SCP30S3.3-DN	3.3V @ 6A	---	---	0	4.72 x 2.55 x 1.29	≥62%	135.30	132.59	127.86	123.12
663-SCP30S5-DN	SCP30S5-DN	5V @ 6A	---	---	0	4.72 x 2.55 x 1.29	≥70%	129.15	126.57	122.47	117.53
663-SCP30S12-DN	SCP30S12-DN	12V @ 2.5A	---	---	0	4.72 x 2.55 x 1.29	≥75%	128.13	125.56	121.08	116.59
663-SCP30S15-DN	SCP30S15-DN	15V @ 2.0A	---	---	0	4.72 x 2.55 x 1.29	≥75%	128.13	125.56	121.08	116.59
663-SCP30S24-DN	SCP30S24-DN	24V @ 1.3A	---	---	0	4.72 x 2.55 x 1.29	≥77%	128.13	125.56	121.08	116.59
663-SCP30S48-DN	SCP30S48-DN	48V @ 0.6A	---	---	0	4.72 x 2.55 x 1.29	≥77%	128.13	125.56	121.08	116.59
663-SCP30D12-DN	SCP30D12-DN	12V @ 1.2A	-12V @ 1.2A	---	0.12	4.72 x 2.55 x 1.29	≥68%	144.53	141.63	136.58	131.52
663-SCP30D15-DN	SCP30D15-DN	15V @ 1.0A	-15V @ 1.0A	---	0.15	4.72 x 2.55 x 1.29	≥68%	144.53	141.63	136.58	131.52
663-SCP30T512-DN	SCP30T512-DN	5V @ 3.0A	-12V @ 0.6A	12V @ 0.6A	0.3	4.72 x 2.55 x 1.29	≥68%	156.83	153.69	148.20	142.71
Slim Line - DIN Rail Mount only											
663-SCP30S3.3B-DN	SCP30S3.3B-DN	3.3V @ 6A	---	---	0	4.72 x 1.29 x 2.68	≥62%	144.53	141.63	136.58	131.52
663-SCP30S5B-DN	SCP30S5B-DN	5V @ 6A	---	---	0	4.72 x 1.29 x 2.68	≥70%	138.38	135.61	130.77	125.92
663-SCP30S12B-DN	SCP30S12B-DN	12V @ 2.5A	---	---	0	4.72 x 1.29 x 2.68	≥75%	137.35	134.60	129.80	124.99
663-SCP30S15B-DN	SCP30S15B-DN	15V @ 2.0A	---	---	0	4.72 x 1.29 x 2.68	≥75%	136.33	133.60	128.83	124.06
663-SCP30S24B-DN	SCP30S24B-DN	24V @ 1.3A	---	---	0	4.72 x 1.29 x 2.68	≥77%	136.33	133.60	128.83	124.06
663-SCP30S48B-DN	SCP30S48B-DN	48V @ 0.6A	---	---	0	4.72 x 1.29 x 2.68	≥77%	136.33	133.60	128.83	124.06
663-SCP30D12B-DN	SCP30D12B-DN	12V @ 1.2A	-12V @ 1.2A	---	0.12	4.72 x 1.29 x 2.68	≥68%	155.80	152.68	147.23	141.78
663-SCP30D15B-DN	SCP30D15B-DN	15V @ 1.0A	-15V @ 1.0A	---	0.15	4.72 x 1.29 x 2.68	≥68%	155.80	152.68	147.23	141.78
663-SCP30T512B-DN	SCP30T512B-DN	5V @ 3.0A	-12V @ 0.6A	12V @ 0.6A	0.3	4.72 x 1.29 x 2.68	≥68%	167.08	163.73	157.89	152.04

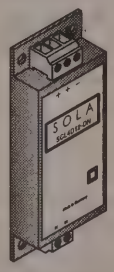
SCL SERIES, 4 AND 10 WATT CE LINEARS

The Sola 4 and 10 Watt encapsulated linears are available in dual and triple outputs for applications with sensitive electronics and analog circuitry. These low-noise modules are capable of being DIN Rail or Chassis mounted.

Features:

- Quiet, low noise DC Linear technology
- DIN Rail or Chassis mount for easy installation
- Rugged encapsulated design.
- Two year warranty
- Simple snap-on for DIN Rail TS35/7.5 or TS35/15
- M3 screw clamp terminations
- Chassis mounting possible on "-DN" Low-Profile versions by removing DIN clips

UL 1950 E137632 | CUL/CSA-C22.2 No. 234-M90 | EMC and Low Volt. Directive | UL 508 Listed IND. CONT. EQ. EI91000



For quantities of 50 and up, call for quote

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Input Voltage	Output Voltages V1	V2	Min. Load V1 (A)	Input Frequency	Dimensions (In.)	Price Each 1	5	10	25
663-SCL4D12-DN	SCL4D12-DN	115/230 VAC	12V@.15A	-12V@.15A	---	47-63 Hz	4.31 x 2.0 x 0.90	72.78	71.32	68.78	66.23
663-SCL4D15-DN	SCL4D15-DN	115/230 VAC	15V@.13A	-15V @.13A	---	47-63 Hz	4.31 x 2.0 x 0.90	72.78	71.32	68.78	66.23
663-SCL10D12-DN	SCL10D12-DN	115/230 VAC	12V@.35A	-12V@.35A	---	47-63 Hz	4.71 x 2.55 x 1.29	104.55	102.46	98.81	95.14
663-SCL10D15-DN	SCL10D15-DN	115/230 VAC	15V@.3A	-15V@.3A	---	47-63 Hz	4.71 x 2.55 x 1.29	104.55	102.46	98.81	95.14
663-SCL10T512-DN	SCL10T512-DN	115/230 VAC	5V@.25A	12V@.35A	-12V@.35A	47-63 Hz	4.71 x 2.55 x 1.29	113.78	111.50	107.52	103.54
663-SCL10T515-DN	SCL10T515-DN	115/230 VAC	5V@.2A	15V@.28A	-15V@.28A	47-63 Hz	4.71 x 2.55 x 1.29	113.78	111.50	107.52	103.54

SCD SERIES, ENCAPSULATED INDUSTRIAL DC-DC CONVERTER

These DC to DC converters are compact, rugged power supplies designed to power industrial control instrumentation devices and equipment where AC power is not convenient or accessible.

Features:

- DIN Rail or Chassis Mount
- Rugged, encapsulated design to resist environment
- IP20 protection
- Wide input range, 20-72VDC
- 5-year warranty
- Dimensions: 4.71" x 2.55" x 1.29"
- Simple snap-on for DIN rail TS35/7.5 or TS 35/15

CUL/CSA-C22.2 No. 234-M90 | UL 1950 E137632 | EMC and Low Volt. Directive | UL 508 Listed IND. CONT. EQ. EI91000

For quantities of 50 and up, call for quote

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Input Voltage	Output Voltages V1	V2	Min. Load V1 (A)	Switching Frequency	Regulation Line/Load	Price Each 1	5	10	25
663-SCD30S5-DN	SCD30S5-DN	20-72 VDC	5V @ 5.0A	--	0A	100 kHz	≤±0.5%	172.20	168.76	162.73	156.70
663-SCD30S12-DN	SCD30S12-DN	20-72 VDC	12V @ 2.5A	--	0A	100 kHz	≤±0.5%	172.20	168.76	162.73	156.70
663-SCD30S15-DN	SCD30S15-DN	20-72 VDC	15V @ 2.0A	--	0A	100 kHz	≤±0.5%	172.20	168.76	162.73	156.70
663-SCD30S24-DN	SCD30S24-DN	20-72 VDC	24V @ 1.3A	--	0A	100 kHz	≤±0.5%	172.20	168.76	162.73	156.70
663-SCD30S48-DN	SCD30S48-DN	20-72 VDC	48V @ 0.6A	--	0A	100 kHz	≤±0.5%	179.38	175.79	169.51	163.23
663-SCD30D15-DN	SCD30D15-DN	20-72 VDC	15V @ 0.8A	-15V @ 0.8A	0.15A	100 kHz	≤±0.5%	185.53	181.81	175.33	168.83

Accessories For Din Rail Power Supplies

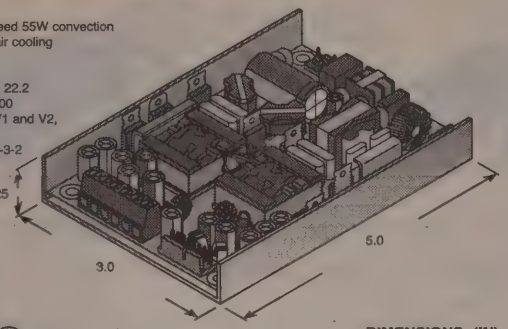
For quantities of 150 and up, call for quote.

MOUSER STOCK NO.	Manufacturer's Type	Description	Price Each 1	5	50	100
653-PFP-100N	PFP-100N	DIN rail, 1M length x 7.3mm wide	6.36	5.79	5.13	4.50
653-PFP-M	PFP-M	DIN rail end plate	.69	.63	.56	.50

TAIYO YUDEN Switching Power Supplies

TAIYO YUDEN AAD SERIES, 130W MULTIPLE OUTPUT

Specifications:
V1/V4 or V2/V3 cannot exceed 55W convection cooled or 80W with 15cfm air cooling
AC input - 90-264VAC
Input frequency: 47-63Hz
UL 60950, 3rd Edition, CSA 22.2 No. 60950-00, EN60950-2000
Includes remote sense on V1 and V2,
Power Fail, OVP,OCP
PFC Corrected to EN61000-3-2
Compact size: 3.0" x 5.0" x 1.25"
Efficiency 83% typical
Ripple/Noise 1% or 50mV whichever is less
Current share (V1 & V2)



DIMENSIONS: (IN)

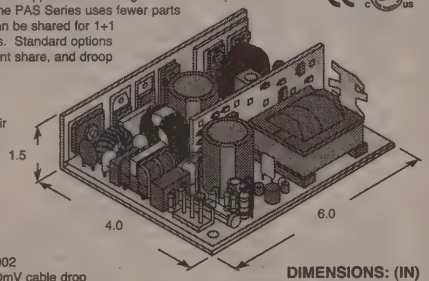
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	TAIYO YUDEN Part No.	Output	Voltage	Load Min.	Load Conv.	Load Air	Price Each 1	Price Each 5	Price Each 10
819-AAD130-3404A	AAD130-3404A	1	5V	0.5A	14A	14A	125.00	118.80	111.60
		2	+12V	0.5A	5A	5A			
		3	-12V	0.1A	1.5A	1.5A			
819-AAD130-3244A	AAD130-3244A	1	5V	0.5A	14A	14A	125.00	118.80	111.60
		2	3.3V	0.5A	16A	16A			
		3	+12V	0.1A	1.5A	1.5A			
		4	-12V	0.1A	1.5A	1.5A			
819-AAD130-3264A	AAD130-3264A	1	5V	0.5A	14A	14A	125.00	118.80	111.60
		2	3.3V	0.5A	16A	16A			
		3	+24V	0.1A	1.5A	1.5A			
		4	-12V	0.1A	1.5A	1.5A			
819-AAD130-3255A	AAD130-3255A	1	5V	0.5A	14A	14A	125.00	118.80	111.60
		2	3.3V	0.5A	16A	16A			
		3	+15V	0.1A	1.5A	1.5A			
		4	-15V	0.1A	1.5A	1.5A			

TAIYO YUDEN PAS150 SERIES, 150W SINGLE OUTPUT

The PAS Series provides passive power factor correction meeting Class A requirements in 1U high distributed architecture applications. Using TAIYO YUDEN's advanced materials technology, the PAS Series uses fewer parts than competing PFC technologies. Units can be shared for 1+1 redundancy with no special interconnections. Standard options include power fail, DC OK, single wire current share, and droop current share (field selectable).

Specifications:
Unit is rated to 150W with 15cfm forced air cooling and 80W with convection cooling
AC Input - 85-132/180-264VAC
Input frequency: 47-63Hz
PFC Corrected to EN61000-3-2, Class A Equipment
Compact Size - 4.0" x 6.0" x 1.5"
Efficiency up to 85% typical
UL 60950, 3rd Edition, IEC 60950-1, CSA C22.2 NO. 60950-00, EN60950-1:2002
Remote sense compensates for up to 250mV cable drop
DCOK, OVP and OCP standard



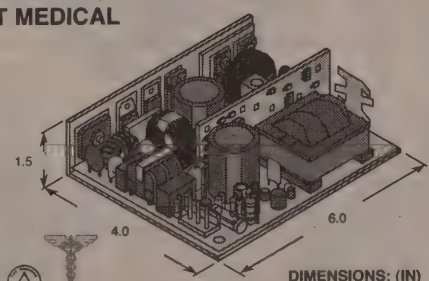
DIMENSIONS: (IN)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	TAIYO YUDEN Part No.	Output Voltage	Load Min.	Load Conv.	Load Air	Price Each 1	Price Each 5	Price Each 10
819-PAS150-2AG	PAS150-2AG	3.3V	0	16A	30A	100.00	91.80	86.40
819-PAS150-3AG	PAS150-3AG	5V	0	16A	30A	100.00	91.80	86.40
819-PAS150-4AG	PAS150-4AG	12V	0	6.5A	12.5A	100.00	91.80	86.40
819-PAS150-5AG	PAS150-5AG	15V	0	5.25A	10A	100.00	91.80	86.40
819-PAS150-6AG	PAS150-6AG	24V	0	3.3A	6.5A	100.00	91.80	86.40
819-PAS150-9AG	PAS150-9AG	48V	0	1.7A	3.5A	100.00	91.80	86.40

TAIYO YUDEN PAM150 SERIES, 150W SINGLE OUTPUT MEDICAL

Specifications:
Unit is rated to 150W with 15cfm of air and 80W convection cooled
AC input 85-132/180-264VAC
Input frequency: 47-63Hz
Includes OVP and OCP as standard
PFC corrected to EN61000-3-2, Class A Equipment
UL2601-1, CSA22.2 No. 601-1, EN60601-1:90 + A13, IEC 60601-1
Compact size at 4.0" x 6.0" x 1.5"
Efficiency to 85% typical
Ripple/Noise 1% or 50mV whichever is less



DIMENSIONS: (IN)

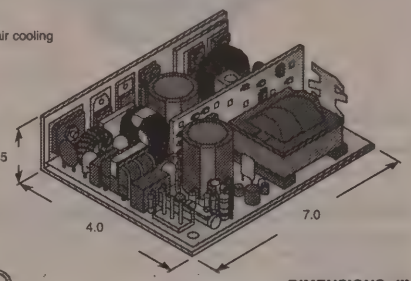
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	TAIYO YUDEN Part No.	Output Voltage	Load Min.	Load Conv.	Load Air	Price Each 1	Price Each 5	Price Each 10
819-PAM150-4	PAM150-4	12V	0	6.5A	12.5A	140.00	123.95	113.90
819-PAM150-6	PAM150-6	24V	0	3.3A	6.5A	140.00	123.95	113.90
819-PAM150-9	PAM150-9	48V	0	1.7A	3.5A	140.00	123.95	113.90

TAIYO YUDEN PAS250 SERIES, 250W SINGLE OUTPUT

The PAS Series provides passive power factor correction meeting Class A requirements in 1U high distributed architecture applications. Using TAIYO YUDEN's advanced materials technology, the PAS Series uses fewer parts than competing PFC technologies. Units can be shared for 1+1 redundancy with no special interconnections. Standard options include power fail, DC OK, single wire current share, and droop current share (field selectable).

Specifications:
- Unit is rated to 250W with 25cfm forced air cooling and 130W with convection cooling
- AC Input - 85-132/180-264VAC
- Input frequency: 47-63Hz
- PFC Corrected to EN61000-3-2, Class A Equipment
- Compact Size - 4.0" x 7.0" x 1.5"
- Efficiency up to 85% typical
- UL 60950, 3rd Edition, IEC 60950-1, CSA C22.2 NO. 60950-00, EN60950-1:2002
- Remote sense compensates for up to 250mV cable drop
- DCOK, OVP and OCP standard



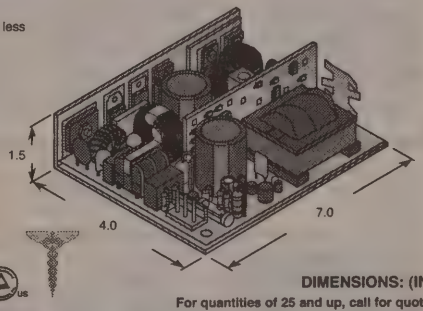
DIMENSIONS: (IN)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	TAIYO YUDEN Part No.	Output Voltage	Load Min.	Load Conv.	Load Air	Price Each 1	Price Each 5	Price Each 10
819-PAS250-4AG	PAS250-4AG	12V	0	10.8A	21A	150.00	135.05	124.10
819-PAS250-6AG	PAS250-6AG	24V	0	5.4A	10.5A	150.00	135.05	124.10
819-PAS250-9AG	PAS250-9AG	48V	0	2.7A	5.25A	150.00	135.05	124.10

TAIYO YUDEN PAM250 SERIES, 250W SINGLE OUTPUT MEDICAL

Specifications:
- Unit is rated to 250W with 25cfm of air and 130W convection cooled
- AC input 85-132/180-264VAC
- Input frequency: 47-63Hz
- Includes OVP and OCP as standard
- PFC corrected to EN61000-3-2, Class A Equipment
- UL2601-1, CSA22.2 No. 601-1, EN60601-1:90 + A13, IEC 60601-1
- Compact size at 4.0" x 7.0" x 1.5"
- Efficiency to 85% typical
- Ripple/Noise 1% or 50mV whichever is less



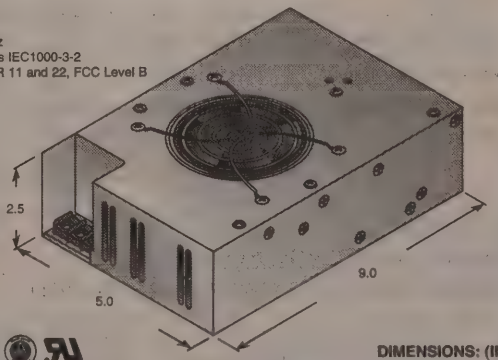
DIMENSIONS: (IN)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	TAIYO YUDEN Part No.	Output Voltage	Load Min.	Load Conv.	Load Air	Price Each 1	Price Each 5	Price Each 10
819-PAM250-4	PAM250-4	12V	0	10.8A	21A	195.00	176.00	162.80
819-PAM250-6	PAM250-6	24V	0	5.4A	10.5A	195.00	176.00	162.80
819-PAM250-9	PAM250-9	48V	0	2.7A	5.25A	195.00	176.00	162.80

TAIYO YUDEN PFC700S SERIES, 700W SINGLE OUTPUT WITH POWER FACTOR CORRECTION

Specifications:
- AC Input - 85-264VAC
- Input frequency: 47-63Hz
- Harmonic distortion meets IEC1000-3-2
- EMI filtering meets CISPR 11 and 22, FCC Level B
- No minimum load

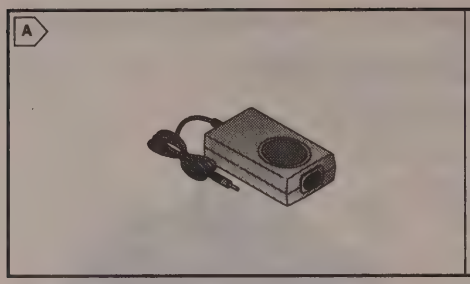


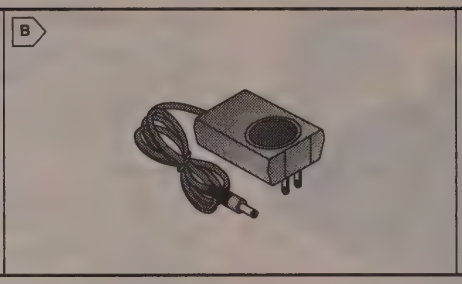
DIMENSIONS: (IN)

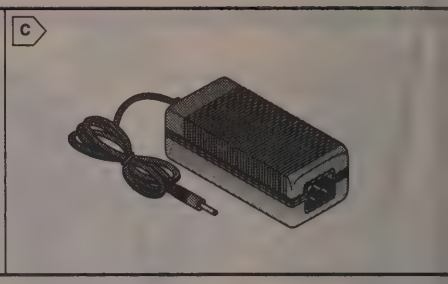
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	TAIYO YUDEN Part No.	Output Voltage	Output Current Continuous	Output Current Surge	Price Each 1	Price Each 3	Price Each 5
819-PFC700S-9	PFC700S-9	48V	14.6A	16.5A	700.00	647.50	595.00

AULT AC Adapters







Specifications:

- 100-240 VAC Universal Input
- Regulated DC Output with low ripple
- Complies with EMI/RFI regulations
- CE compliant

PW117 SERIES, ITE 6-12W SINGLE OUTPUT

- DC Output connector : 2.5mm x 5.5mm, center positive, 6 foot cord
- AC cord (not included): 3-wire input, use 173-63101
- 3 year warranty
- Weight: 4.8 oz.
- Other output voltages and mechanical configurations available - contact a Mouser Service Representative.

For quantities of 50 and up, call for quot

MOUSER STOCK NO.	Ault Part No.	Fig.	Output Voltage	Max. Current	Max. Power	Style	Dimensions (in.)			Price Each		
							L	W	H	1	10	25
831-PW117RA0503F01	PW117RA0503F01	A	5V	2.00A	10.0W	Desktop	3.35	1.81	1.30	19.20	18.58	17.35
831-PW117RA0903F01	PW117RA0903F01	A	9V	1.10A	10.0W	Desktop	3.35	1.81	1.30	19.20	18.58	17.35
831-PW117RA1203F01	PW117RA1203F01	A	12V	0.85A	10.2W	Desktop	3.35	1.81	1.30	19.20	18.58	17.35
831-PW117RA2403F01	PW117RA2403F01	A	24V	0.45A	10.8W	Desktop	3.35	1.81	1.30	19.20	18.58	17.35

PW118 SERIES, ITE 10-19W SINGLE OUTPUT

- DC Output connector : 2.5mm x 5.5mm, center positive, 6 foot cord
- Desktop Models: AC cord not included: 3-wire input, use 173-63101
- 1 year warranty
- Weight: 7 oz.
- Other output voltages and mechanical configurations available - contact a Mouser Service Representative.

For quantities of 50 and up, call for quot

831-PW118RA0503F01	PW118RA0503F01	A	5V	3.00A	15.0W	Desktop	3.74	2.13	1.26	23.36	21.30	19.92
831-PW118RA0903F01	PW118RA0903F01	A	9V	2.00A	18.0W	Desktop	3.74	2.13	1.26	21.51	19.61	18.65
831-PW118RA1203F01	PW118RA1203F01	A	12V	1.50A	18.0W	Desktop	3.74	2.13	1.26	21.51	19.61	18.65
831-PW118RA2403F01	PW118RA2403F01	A	24V	0.75A	18.0W	Desktop	3.74	2.13	1.26	21.51	19.61	18.65
831-PW118RA4803F01	PW118RA4803F01	A	48V	0.40A	19.0W	Desktop	3.74	2.13	1.26	21.51	19.61	18.65
831-PW118RA0503B01	PW118RA0503B01	B	5V	3.00A	15.0W	Wallplug	3.74	2.13	1.26	21.00	19.65	18.97
831-PW118RA0903B01	PW118RA0903B01	B	9V	2.00A	18.0W	Wallplug	3.74	2.13	1.26	21.22	19.34	18.10
831-PW118RA1203B01	PW118RA1203B01	B	12V	1.50A	18.0W	Wallplug	3.74	2.13	1.26	21.22	19.34	18.10
831-PW118RA2403B01	PW118RA2403B01	B	24V	0.75A	18.0W	Wallplug	3.74	2.13	1.26	21.22	19.34	18.10
831-PW118RA4803B01	PW118RA4803B01	B	48V	0.40A	19.0W	Wallplug	3.74	2.13	1.26	21.22	19.34	18.10

PW128 SERIES, ITE 13-32W SINGLE OUTPUT

- DC Output connector : 2.5mm x 5.5mm, center positive, 6 foot cord
- Desktop Models: AC cord not included: 3-wire input, use 173-63101
- 1 year warranty
- Weight: 7 oz.
- Other output voltages and mechanical configurations available - contact a Mouser Service Representative.

For quantities of 50 and up, call for quot

MOUSER STOCK NO.	Ault Part No.	Fig.	Output Voltage	Max. Current	Max. Power	Style	Dimensions (in.)			Price Each		
							L	W	H	1	10	25
831-PW128RA0503F01	PW128RA0503F01	A	5V	4.00A	20.0W	Desktop	3.74	2.13	1.26	37.50	35.36	33.22
831-PW128RA0903F01	PW128RA0903F01	A	9V	3.00A	27.0W	Desktop	3.74	2.13	1.26	37.50	35.36	33.22
831-PW128RA1203F01	PW128RA1203F01	A	12V	2.50A	30.0W	Desktop	3.74	2.13	1.26	37.50	35.36	33.22
831-PW128RA2403F01	PW128RA2403F01	A	24V	1.33A	31.9W	Desktop	3.74	2.13	1.26	37.50	35.36	33.22
831-PW128RA1203B01	PW128RA1203B01	B	12V	2.50A	30.0W	Wallplug	3.74	2.13	1.26	38.78	35.72	33.68
831-PW128RA2403B01	PW128RA2403B01	B	24V	1.33A	31.9W	Wallplug	3.74	2.13	1.26	38.78	35.72	33.68

PW136 SERIES, ITE 23-60W SINGLE OUTPUT

- DC Output connector : 2.5mm x 5.5mm, center positive, 6 foot cord
- AC cord (not included): 3-wire input, use 173-63101
- 1 year warranty
- Weight: 10 oz.
- Other output voltages and mechanical configurations available - contact a Mouser Service Representative.

For quantities of 50 and up, call for quot

831-PW136RA1203F01	PW136RA1203F01	A	12V	5.00A	60.0W	Desktop	3.92	2.58	1.61	44.67	40.74	38.11
831-PW136RA2403F01	PW136RA2403F01	A	24V	2.50A	60.0W	Desktop	3.92	2.58	1.61	44.67	40.74	38.11
831-PW136RA4803F01	PW136RA4803F01	A	48V	1.25A	60.0W	Desktop	3.92	2.58	1.61	44.67	40.74	38.11

PW132 SERIES, ITE 101W SINGLE OUTPUT

- DC Output: 6 foot cord
  12V: output connector Molex 39-01-2060, mating connector 538-39-01-3063
  24V and 48V: 2.5mm x 5.5mm center positive
- AC cord (not included): 3-wire input, use 173-63101
- 1 year warranty
- Weight: 24 oz.
- Other output voltages and mechanical configurations available - contact a Mouser Service Representative.

For quantities of 50 and up, call for quot

831-PW132RA1251F01	PW132RA1251F01	C	12V	8.15A	98.0W	Desktop	9.00	2.90	2.00	69.33	64.86	60.39
831-PW132RA2403F01	PW132RA2403F01	C	24V	4.21A	101.0W	Desktop	9.00	2.90	2.00	76.25	69.89	63.54
831-PW132RA4803F01	PW132RA4803F01	C	48V	2.08A	101.0W	Desktop	9.00	2.90	2.00	76.25	69.89	63.54

PW122 SERIES, ITE 120W SINGLE OUTPUT

- DC Output: 6 foot cord
  12V: output connector Molex 39-01-2060, mating connector 538-39-01-3063
  24V and 48V: 2.5mm x 5.5mm center positive
- AC cord (not included): 3-wire input, use 173-63101
- 3 year warranty
- Weight: 24 oz.
- Other output voltages and mechanical configurations available - contact a Mouser Service Representative.

For quantities of 50 and up, call for quot

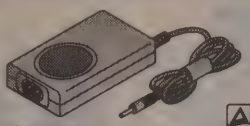
831-PW122MA1251F01	PW122MA1251F01	C	12V	10.00A	120.0W	Desktop	9.00	2.90	2.00	138.28	129.35	120.43
831-PW122MA2403F01	PW122MA2403F01	C	24V	5.00A	120.0W	Desktop	9.00	2.90	2.00	124.18	119.90	115.61
831-PW122MA4803F01	PW122MA4803F01	C	48V	2.50A	120.0W	Desktop	9.00	2.90	2.00	124.18	119.90	115.61

AULT Medical AC Adapters & Power Over Ethernet Injectors

W117 SERIES, 6-11W MEDICAL SINGLE OUTPUT

ecifications:

00-240VAC universal input
esktop or wallmount models
Output connector: 2.5mm x 5.5mm,
enter positive, 6 foot cord
fficiency: 70% min.
year warranty
ther output voltages and mechanical configurations
vailable - contact a Mouser Service Representative.



Desktop Style Shown

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each 1	10	25
esktop Models (AC input cord not included, use 173-63101)							
31-MW117RA0503F01	MW117RA0503F01	5V	2.00A	10.0W	25.10	24.03	22.84
31-MW117RA0903F01	MW117RA0903F01	9V	1.12A	10.8W	25.10	24.03	22.84
31-MW117RA1203F01	MW117RA1203F01	12V	0.85A	10.2W	25.10	24.03	22.84
31-MW117RA2403F01	MW117RA2403F01	24V	0.45A	10.8W	25.10	24.03	22.84
allmount Models							
31-MW117RA0503B01	MW117RA0503B01	5V	2.00A	10.0W	24.45	23.25	22.24
31-MW117RA0903B01	MW117RA0903B01	9V	1.12A	10.8W	24.45	23.25	22.24
31-MW117RA1203B01	MW117RA1203B01	12V	0.85A	10.2W	24.45	23.25	22.24
31-MW117RA2403B01	MW117RA2403B01	24V	0.45A	10.8W	24.45	23.25	22.24

W128 SERIES, 13-32W MEDICAL SINGLE OUTPUT

ecifications:

00-240VAC universal input
esktop or wallmount models
egulated (±1%) output with low ripple
Output connector: 2.5mm x 5.5mm,
enter positive, 6 foot cord
year warranty
ther output voltages and mechanical configurations
vailable - contact a Mouser Service Representative.

Desktop Style Shown

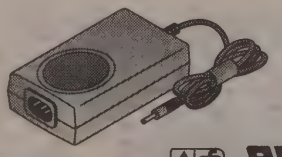
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each 1	10	25
esktop Models (AC input cord not included, use 173-63101)							
31-MW128RA0503F01	MW128RA0503F01	5V	4.00A	20.0W	43.56	41.38	38.21
31-MW128RA0903F01	MW128RA0903F01	9V	3.00A	27.0W	43.56	41.38	38.21
31-MW128RA1203F01	MW128RA1203F01	12V	2.50A	30.0W	43.56	41.38	38.21
31-MW128RA2403F01	MW128RA2403F01	24V	1.33A	32.0W	43.56	41.38	38.21
allmount Models							
31-MW128RA0503B01	MW128RA0503B01	5V	4.00A	20.0W	37.94	34.88	32.21
31-MW128RA0903B01	MW128RA0903B01	9V	3.00A	27.0W	37.94	34.88	32.21
31-MW128RA1203B01	MW128RA1203B01	12V	2.50A	30.0W	37.94	34.88	32.21
31-MW128RA2403B01	MW128RA2403B01	24V	1.33A	32.0W	37.94	34.88	32.21

W160 SERIES, 15-48W MEDICAL SINGLE OUTPUT

ecifications:

00-240VAC universal input
leets medical safety agency approvals
egulated (±1%) output with low ripple
Output connector: 2.5mm x 5.5mm,
enter positive, 6 foot cord (5V model
as a 3.2 foot cord)
C cord (not included): 3-wire input,
se 173-63101
year warranty
ther output voltages and mechanical configurations
vailable - contact a Mouser Service Representative.



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each 1	10	25
31-MW160KA0503F01	MW160KA0503F01	5V	5.00A	25.0W	58.59	55.80	45.12
31-MW160KA0903F01	MW160KA0903F01	9V	4.60A	42.0W	58.59	55.80	45.12
31-MW160KA1203F01	MW160KA1203F01	12V	3.50A	42.0W	58.59	55.80	45.12
31-MW160KA2403F01	MW160KA2403F01	24V	2.00A	48.0W	58.59	55.80	45.12

W136 SERIES, 23-60W MEDICAL SINGLE OUTPUT

ecifications:

00-250VAC universal input
esktop or wallmount models
egulated (±1%) output with low ripple
Output connector: 2.5mm x 5.5mm,
enter positive, 6 foot cord
year warranty
ther output voltages and mechanical configurations
vailable - contact a Mouser Service Representative.

Wallmount Style Shown

esktop Models

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each 1	10	25
Output connector: Molex 39-01-2060, mating connector 538-39-01-3063, 6 foot cord							
31-MW136RA0551F01	MW136RA0551F01	5V	6.00A	30.0W	52.91	49.10	45.35
31-MW136RA0951F01	MW136RA0951F01	9V	5.50A	49.5W	52.91	49.10	45.35
Output connector: 2.5mm x 5.5mm, center positive, 6 foot cord							
31-MW136RA1203F01	MW136RA1203F01	12V	5.00A	60.0W	47.66	44.24	40.86
31-MW136RA2403F01	MW136RA2403F01	24V	2.50A	60.0W	47.66	44.24	40.86

allmount Models

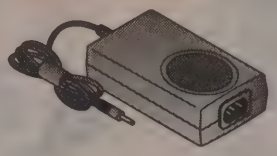
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each 1	10	25
Output connector: Molex 39-01-2060, mating connector 538-39-01-3063, 6 foot cord							
31-MW136RA0551B01	MW136RA0551B01	5V	6.00A	30.0W	51.77	48.05	44.33
31-MW136RA0951B01	MW136RA0951B01	9V	5.50A	49.5W	51.77	48.05	44.33
Output connector: 2.5mm x 5.5mm, center positive, 6 foot cord (shown above)							
31-MW136RA1203B01	MW136RA1203B01	12V	5.00A	60.0W	46.93	43.56	40.38
31-MW136RA2403B01	MW136RA2403B01	24V	2.50A	60.0W	46.93	43.56	40.38

MW116 SERIES, 60-90W MEDICAL SINGLE OUTPUT

Specifications:

- 100-240VAC universal input
- Meets medical safety agency approvals
- Regulated (±1%) output with low ripple
- Output connector: 2.5mm x 5.5mm, center positive, 6 foot cord
- AC cord (not included): 3-wire input, use 173-63101
- 3 year warranty
- Other output voltages and mechanical configurations available - contact a Mouser Service Representative.



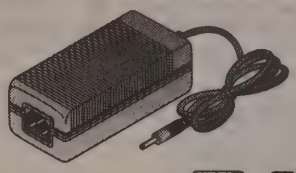
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each 1	10	25
Output connector: Molex 39-01-2060, mating connector 538-39-01-3063, 6 foot cord							
831-MW116MA1251F01	MW116MA1251F01	12V	6.67A	80.0W	158.66	145.79	135.01
Output connector: 2.5mm x 5.5mm, center positive, 6 foot cord (shown above)							
831-MW116MA1803F01	MW116MA1803F01	18V	5.00A	90.0W	151.79	143.59	132.97
831-MW116MA2403F01	MW116MA2403F01	24V	3.75A	90.0W	151.79	143.59	132.97

MW122 SERIES, 120W MEDICAL SINGLE OUTPUT

Specifications:

- 100-240VAC universal input
- Meets medical safety agency approvals
- Regulated (±1%) output with low ripple
- AC cord (not included): 3-wire input, use 173-63101
- 3 year warranty



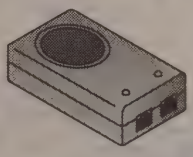
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each 1	10	25
Output connector: Molex 39-01-2060, mating connector 538-39-01-3063, 5 foot cord							
831-MW122MA1251F01	MW122MA1251F01	12V	10A	120W	144.97	135.62	125.32
Output connector: 2.5mm x 5.5mm, center positive, 5 foot cord (shown above)							
831-MW122MA2403F01	MW122MA2403F01	24V	5A	120W	134.85	125.86	116.31

PW130RB POWER OVER ETHERNET INJECTOR

Specifications:

- Self-contained power injector up to 15W
- 100-250VAC universal input
- Regulated (±1%) output with low ripple
- Output connector: Dual RJ45 jacks
- IEEE802.3af Compliant
- Detection collision avoidance
- 1 year warranty



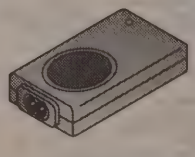
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each 1	10	25
AC input cord (not included): three wire input, use 173-63101							
831-PW130RB4800F1	PW130RB4800F1	48V	0.35A	15.4W	38.09	35.14	32.46
AC input cord (not included): two wire input, use 173-21101							
831-PW130RB4800N1	PW130RB4800N1	48V	0.35A	15.4W	38.09	35.14	32.46

PW130RA POWER OVER ETHERNET INJECTOR

Specifications:

- Self-contained power injector up to 20W
- 100-250VAC universal input
- Regulated (±1%) output with low ripple
- Output connector: Dual RJ45 jacks
- Not compliant with IEEE 802.3af standard
- 1 year warranty



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each 1	10	25
AC input cord (not included): three wire input, use 173-63101							
831-PW130RA4800F1	PW130RA4800F1	48V	0.42A	20.16W	30.91	28.52	26.33
AC input cord (not included): two wire input, use 173-21101							
831-PW130RA4800N1	PW130RA4800N1	48V	0.42A	20.16W	30.91	28.52	26.33

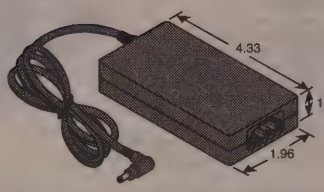
CINCON External Power Supplies

TR 20B SERIES
20W Switching Adapter

Specifications:
- Input Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Input current: 0.6A Max.
- Inrush Current: 50A Max @ 264VAC
- Input Power (No Load): 0.75W Max @ 240VAC
- DC Output Plug: 2.1mm or 2.5mm Center Positive

Features:
- Universal input: 90~264Vac
- Continuous short circuit protection
- Over Voltage Protection
- Conductive EMI Meets CISPR/FCC Class B
- High efficiency, 75% typical
- Green Power (Input Power <0.75W at no Load)
- Meets "European Commission of Energy" 2003 Year Phase 2
- AC Inlet: IEC320/C14
- Use powercord 173-0601, 173-0602, 173-0621
- Output Cord Length: 1800mm

DIMENSIONS (IN)



For quantities of 100 and up, call for quote.

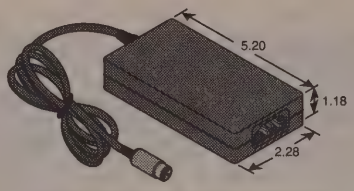
MOUSER STOCK NO.		DC Output	Current	Regulation		Price Each		
2.1mm Plug	2.5mm Plug	Voltage	Max.	Line	Load	1	5	25
418-TR20B033	418-TR20B033-02	3.3V	4500mA	±1%	±7%	24.25	21.75	19.95
418-TR20B050	418-TR20B050-02	5V	4000mA	±1%	±6%	24.25	21.75	19.95
418-TR20B090	418-TR20B090-02	9V	2300mA	±1%	±3%	24.25	21.75	19.95
418-TR20B120	418-TR20B120-02	12V	1700mA	±1%	±2%	24.25	21.75	19.95
418-TR20B150	418-TR20B150-02	15V	1400mA	±1%	±2%	24.25	21.75	19.95
418-TR20B180	418-TR20B180-02	18V	1200mA	±1%	±2%	24.25	21.75	19.95
418-TR20B240	418-TR20B240-02	24V	850mA	±1%	±2%	24.25	21.75	19.95

TR 25D SERIES
25W Dual Output Switching Adapter

Specifications:
- Input Voltage: 90 - 264VAC
- Frequency: 47 - 63Hz
- Inrush Current: 50A Max @ 264VAC
- Conducted EMI: CISPR/FCC Class B
- Isolation: Input to Output=4242VDC
- Leakage Current: 1.5mA Max
- AC Inlet: IEC320/C14
- Output Plug: 5 Pin DIN
- Output Cord Length: 1800mm

Features:
- Universal input: 90~264Vac
- Continuous short circuit protection
- Meets EN55022 class "B", conducted

DIMENSIONS (IN)



DC Plug Pin Assignment	
Pin #	Output
1	Ground
2	Ground
3	NC
4	V1
5	V2

For quantities of 100 and up, call for quote.

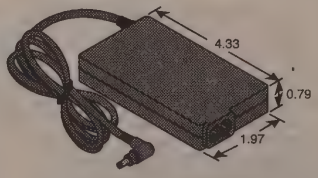
MOUSER STOCK NO.	DC Output	Output Current (AMPS)			Total	Price Each		
	Voltage	Min.	Rated	Max.	Regulation	1	5	25
418-TR25D-01	+3.3V (V1) +5V (V2)	0.3 0.2	3 2	4 3	±7% ±5%	33.95	30.95	28.95
418-TR25D-02	+5V (V1) +12V (V2)	0.2 0.13	2 1.3	3 2	±5% ±5%	33.95	30.95	28.95
418-TR25D-03	+5V (V1) +15V (V2)	0.2 0.1	2 1	3 1.5	±5% ±5%	33.95	30.95	28.95
418-TR25D-04	+5V (V1) +24V (V2)	0.2 0.1	2 0.6	3 1	±5% ±5%	33.95	30.95	28.95

TR 36 SERIES
36W Switching Adapter

Specifications:
- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Inrush current: 50A Max. @ 264Vac
- Conducted EMI: CISPR/FCC Class B
- Leakage current: 0.25mA Max.
- Short circuit protection: Continuous
- Operating temperature: 0~40°C
- Dimensions: 4.33 x 1.97 x 0.79
- AC Inlet: IEC 320/C8
- DC Output plug: 2.1mm or 2.5mm center positive

Features:
- Universal input: 90~264Vac
- Continuous short circuit protection
- Meets EN55022 class "B", conducted
- High efficiency, 85% typical
- Use powercord 173-21101, 173-21112, 173-21102, 173-21114

DIMENSIONS (IN)



For quantities of 100 and up, call for quote.

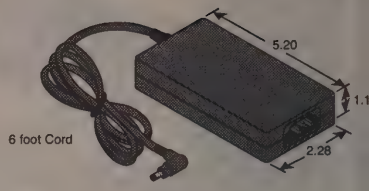
MOUSER STOCK NO.		DC Output	Current	Regulation		Price Each		
2.1mm Plug	2.5mm Plug	Voltage	Max.	Line	Load	1	5	25
418-TR36A05	418-TR36A05-02	5V	4A	±1%	±6%	30.53	25.94	23.13
418-TR36A09	418-TR36A09-02	9V	3A	±1%	±5%	30.53	25.94	23.13
418-TR36A12	418-TR36A12-02	12V	2.5A	±1%	±5%	30.53	25.94	23.13
418-TR36A13	418-TR36A13-02	13.5V	2.4A	±1%	±5%	30.53	25.94	23.13
418-TR36A15	418-TR36A15-02	15V	2.4A	±1%	±3%	30.53	25.94	23.13
418-TR36A18	418-TR36A18-02	18V	2A	±1%	±2%	30.53	25.94	23.13
418-TR36A24	418-TR36A24-02	24V	1.5A	±1%	±2%	30.53	25.94	23.13
418-TR36A48	418-TR36A48-02	48V	0.75A	±1%	±2%	30.53	25.94	23.13

TR 45 SERIES
45W Switching Adapter

Specifications:
- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Inrush current: 50A Max. @ 264Vac
- Leakage current: 1.5mA Max.
- Short circuit protection: Continuous
- Operating temperature: 0~40°C
- Dimensions: 5.20 x 2.28 x 1.18
- AC Inlet: IEC 320/C14
- DC Output plug: 2.1mm or 2.5mm center positive

Features:
- Universal input: 90~264Vac
- Continuous short circuit protection
- Meets EN55022 class "B", conducted
- High efficiency, 92% typical
- Use powercord 173-0602, 173-0621, 173-0601

DIMENSIONS (IN)



For quantities of 100 and up, call for quot

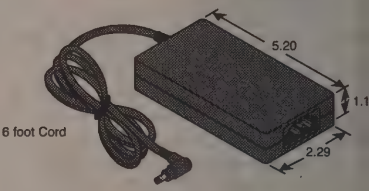
MOUSER STOCK NO.		DC Output	Current	Regulation		Price Each		
2.1mm Plug	2.5mm Plug	Voltage	Max.	Line	Load	1	5	25
418-TR45A05	418-TR45A05-02	5V	6A	±1%	±6%	36.08	30.07	27.3
418-TR45A12	418-TR45A12-02	12V	3.75A	±1%	±5%	36.08	30.07	27.3
418-TR45A15	418-TR45A15-02	15V	3A	±1%	±3%	36.08	30.07	27.3
418-TR45A18	418-TR45A18-02	18V	2.5A	±1%	±2%	36.08	30.07	27.3
418-TR45A19	418-TR45A19-02	19V	2.37A	±1%	±2%	36.08	30.07	27.3
418-TR45A24	418-TR45A24-02	24V	1.88A	±1%	±2%	36.08	30.07	27.3
418-TR45A48	418-TR45A48-02	48V	1A	±1%	±2%	36.08	30.07	27.3

TR 70 SERIES
70W Switching Adapter

Specifications:
- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Inrush current: 50A Max. @ 264Vac
- Leakage current: 1.5mA Max.
- Short circuit protection: Continuous
- Operating temperature: 0~40°C
- Dimensions: 5.20 x 2.29 x 1.18
- AC Inlet: IEC 320/C14
- DC Output plug: 2.1mm or 2.5mm center positive

Features:
- Universal input: 90~264Vac
- Continuous short circuit protection
- Meets EN55022 class "B", conducted
- High efficiency, 85% typical
- Use powercord 173-0601, 173-0602, 173-0621

DIMENSIONS (IN)



For quantities of 100 and up, call for quo

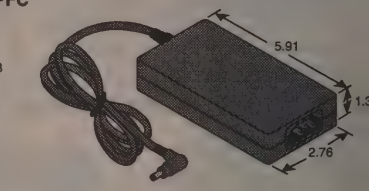
MOUSER STOCK NO.		DC Output	Current	Regulation		Price Each		
2.1mm Plug	2.5mm Plug	Voltage	Max.	Line	Load	1	5	25
418-TR70A12	418-TR70A12-02	12V	5.5A	±1%	±5%	39.89	33.24	30.2
418-TR70A15	418-TR70A15-02	15V	4.6A	±1%	±3%	39.89	33.24	30.2
418-TR70A18	418-TR70A18-02	18V	3.9A	±1%	±2%	39.89	33.24	30.2
418-TR70A19	418-TR70A19-02	19V	3.7A	±1%	±2%	39.89	33.24	30.2
418-TR70A24	418-TR70A24-02	24V	3A	±1%	±2%	39.89	33.24	30.2
418-TR70A48	418-TR70A48-02	48V	1.5A	±1%	±2%	39.89	33.24	30.2

TR 100 SERIES
100W Switching Adapter with PFC

Features:
- Universal Input: 90 - 264VAC
- Conductive EMI Meets CISPR/FCC Class B
- High Efficiency, 85% Typical

Specifications:
- Input Voltage: 90 -264VAC
- Frequency: 47 - 63Hz
- Inrush Current: 100A Max @ 264VAC
- Conductive EMI: CISPR/FCC Class B
- Isolation: Input to Output=4242VDC
- Leakage Current: 1.5mA Max
- AC Inlet: IEC320/C14
- Use Power Cord 173-0601, 173-0602, 173-0621
- DC Output Plug: 2.1mm or 2.5mm Center Positive

DIMENSIONS (IN)



For quantities of 100 and up, call for quo

MOUSER STOCK NO.	Cord Length	DC Output Voltage	Current Max.	Regulation		Price Each		
				Line	Load	1	5	25
2.1mm Plug								
418-TR100A120	1200mm	12V	8.30A	±1%	±4%	69.95	59.95	49.9
418-TR100A150	1200mm	15V	6.67A	±1%	±4%	69.95	59.95	49.9
418-TR100A180	1800mm	18V	5.56A	±1%	±2%	69.95	59.95	49.9
418-TR100A240	1800mm	24V	4.17A	±1%	±2%	69.95	59.95	49.9
418-TR100A280	1800mm	28V	3.54A	±1%	±2%	69.95	59.95	49.9
418-TR100A480	1800mm	48V	2.08A	±1%	±2%	69.95	59.95	49.9
2.5mm Plug								
418-TR100A120-02	1200mm	12V	8.30A	±1%	±4%	69.95	59.95	49.9
418-TR100A150-02	1200mm	15V	6.67A	±1%	±4%	69.95	59.95	49.9
418-TR100A180-02	1800mm	18V	5.56A	±1%	±2%	69.95	59.95	49.9
418-TR100A240-02	1800mm	24V	4.17A	±1%	±2%	69.95	59.95	49.9
418-TR100A280-02	1800mm	28V	3.54A	±1%	±2%	69.95	59.95	49.9
418-TR100A480-02	1800mm	48V	2.08A	±1%	±2%	69.95	59.95	49.9

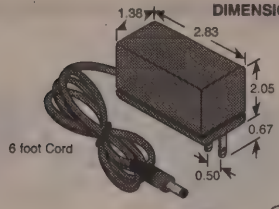
CINCON External Power Supplies

TR 15 SERIES
15W Switching Adapters

Specifications:
Voltage: 90~264Vac
Frequency: 47 to 63Hz
Input current: 0.5A Max.
Inrush current: 50A Max. @ 264Vac
Short circuit protection: Continuous (auto recovery)
Operating temperature: 0~40°C
Dimensions: 2.83 x 2.05 x 1.38
DC Output plug: 2.1mm or 2.5mm center positive

Features:
Universal input: 90~264Vac
Continuous short circuit protection
Meets EN55022 class "B", conducted
High efficiency, 75% typical

DIMENSIONS (IN)



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		DC Output	Current	Regulation		Price Each		
2.1mm Plug	2.5mm Plug	Voltage	Max.	Line	Load	1	5	25
418-TR1505	418-TR1505-12	5V	2A	±1%	±4%	12.99	12.00	11.00
418-TR1506	418-TR1506-12	6V	1.5A	±1%	±3%	12.99	12.00	11.00
418-TR1507	418-TR1507-12	7.5V	1.6A	±1%	±3%	12.99	12.00	11.00
418-TR1509	418-TR1509-12	9V	1.4A	±1%	±2%	12.99	12.00	11.00
418-TR1512	418-TR1512-12	12V	1A	±1%	±2%	12.99	12.00	11.00
418-TR1512-01	418-TR1512-01-12	13.6V	1A	±1%	±2%	12.99	12.00	11.00
418-TR1515	418-TR1515-12	15V	1A	±1%	±2%	12.99	12.00	11.00
418-TR1518	418-TR1518-12	18V	0.83A	±1%	±2%	12.99	12.00	11.00
418-TR1524	418-TR1524-12	24V	0.63A	±1%	±2%	12.99	12.00	11.00

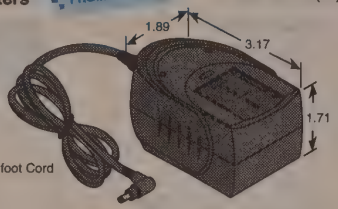
TR 15RA SERIES
Interchangeable 15W Switching Adapters

NEW FROM SUPPLIER

Specifications:
Voltage: 90 ~ 264Vac
Frequency: 47 to 63Hz
Input current: 0.4A max
Inrush current: 30A max @ 264Vac
Short circuit protection: Continuous (auto recovery)
Operating temperature: 0~40°C
Dimensions: 3.17 x 1.89 x 1.71
DC Output plug: 2.1mm or 2.5mm center positive

Features:
Universal input: 90~264Vac
Continuous short circuit protection
Over voltage protection
High efficiency, 75% typical
Meets EN55022 Class B
Interchangeable AC plugs
AC plug must be ordered separately

DIMENSIONS (IN)



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		DC Output	Current	Regulation		Price Each		
2.1mm Plug	2.5mm Plug	Voltage	Max.	Line	Load	1	5	25
418-TR15RA050	418-TR15RA050-12	5V	2.0A	±1%	±4%	18.20	16.85	15.60
418-TR15RA060	418-TR15RA060-12	6V	1.7A	±1%	±3%	18.20	16.85	15.60
418-TR15RA090	418-TR15RA090-12	9V	1.4A	±1%	±2%	18.20	16.85	15.60
418-TR15RA120	418-TR15RA120-12	12V	1.1A	±1%	±2%	18.20	16.85	15.60
418-TR15RA150	418-TR15RA150-12	15V	1.0A	±1%	±2%	18.20	16.85	15.60
418-TR15RA180	418-TR15RA180-12	18V	830mA	±1%	±2%	18.20	16.85	15.60
418-TR15RA240	418-TR15RA240-12	24V	625mA	±1%	±2%	18.20	16.85	15.60

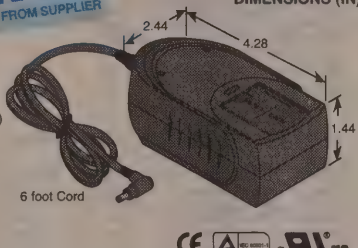
TR 30RAM SERIES
Interchangeable 30W Switching Adapters for Medical Products

NEW FROM SUPPLIER

Specifications:
Voltage: 90 ~ 264Vac
Frequency: 47 to 63HZ
Input current: 50A max @ 264Vac
Short circuit protection: Continuous (auto recovery)
Operating temperature: 0~40° C
Dimensions: 4.28 x 2.44 x 1.44
DC Output plug: 2.1mm or 2.5mm center positive

Features:
Universal input: 90~264VAC
Continuous short circuit protection
Over voltage protection
High efficiency, 75% typical
Meets EN55022 Class B
Interchangeable AC plugs
AC plug must be ordered separately

DIMENSIONS (IN)



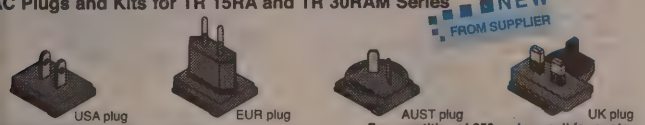
E176177

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		DC Output	Current	Regulation		Price Each		
2.1mm Plug	2.5mm Plug	Voltage	Max.	Line	Load	1	5	25
418-TR30RAM050	418-TR30RAM050-12	5.0V	4.0A	±1%	±6%	37.84	35.03	32.44
418-TR30RAM090	418-TR30RAM090-12	9.0V	3.0A	±1%	±3%	37.84	35.03	32.44
418-TR30RAM120	418-TR30RAM120-12	12V	2.5A	±1%	±2%	37.84	35.03	32.44
418-TR30RAM150	418-TR30RAM150-12	15V	2.0A	±1%	±2%	37.84	35.03	32.44
418-TR30RAM180	418-TR30RAM180-12	18V	1.65A	±1%	±2%	37.84	35.03	32.44
418-TR30RAM240	418-TR30RAM240-12	24V	1.25A	±1%	±2%	37.84	35.03	32.44

AC Plugs and Kits for TR 15RA and TR 30RAM Series

NEW FROM SUPPLIER



For quantities of 250 and up, call for quote.

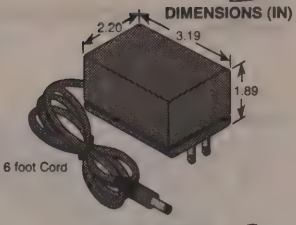
MOUSER STOCK NO.	Cincon Part No.	Style	Price Each			
			1	5	25	100
418-TR15RA-US	TR15RA-US	U.S.	.49	.47	.46	.45
418-TR15RA-EURO	TR15RA-EURO	European	.56	.52	.50	.48
418-TR15RA-UK	TR15RA-UK	U.K.	.92	.84	.79	.72
418-TR15RA-AUS	TR15RA-AUS	Australian	.70	.66	.62	.55
418-TR15RA-PLUGKIT	TR15RA-PLUGKIT	All 4 Plugs	2.67	2.49	2.37	2.20

TR 25 SERIES
25W Switching Adapters

Specifications:
- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Input current: 0.7A Max.
- Inrush current: 50A Max. @ 264Vac
- Short circuit protection: Continuous (auto recovery)
- Operating temperature: 0~40°C
- Dimensions: 3.19 x 2.20 x 1.89
- Weight: 0.48 lbs.
- DC Output plug: 2.1mm or 2.5mm center positive

Features:
- Universal input: 90~264Vac
- Continuous short circuit protection
- Meets EN55022 class "B", conducted
- High efficiency, 80% typical

DIMENSIONS (IN)



For quantities of 100 and up, call for quote.

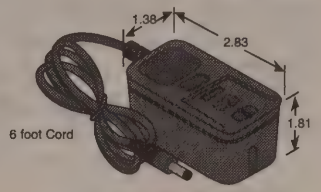
MOUSER STOCK NO.		DC Output	Current	Regulation		Price Each		
2.1mm Plug	2.5mm Plug	Voltage	Max.	Line	Load	1	5	25
418-TR2505	418-TR2505-12	5V	4A	±1%	±6%	14.99	14.00	13.00
418-TR2512	418-TR2512-12	12V	2.1A	±1%	±5%	14.99	14.00	13.00
418-TR2515	418-TR2515-12	15V	1.67A	±1%	±3%	14.99	14.00	13.00
418-TR2518	418-TR2518-12	18V	1.4A	±1%	±2%	14.99	14.00	13.00
418-TR2524	418-TR2524-12	24V	1.05A	±1%	±2%	14.99	14.00	13.00

TR 10R SERIES
Interchangeable 10W Switching Adapter

Features:
- Universal input: 90~264Vac
- Continuous short circuit protection
- Conductive EMI meets CISPR/FCC class B
- High efficiency, 75% typical
- Interchangeable AC plugs
- AC plug must be ordered separately

Specifications:
- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Input current: 0.4A Max.
- Inrush current: 30A Max. @ 264Vac
- Short circuit protection: Continuous (auto recovery)
- Holdup time: 10mS typ. @ 115V
- Over current protection: constant current
- Operating temperature: 0~40°C
- Storage temperature: -20~85°C
- Dimensions: 2.83 x 1.81 x 1.38
- DC Output plug: 2.1mm or 2.5mm center positive

DIMENSIONS (IN)



For quantities of 100 and up, call for quote.

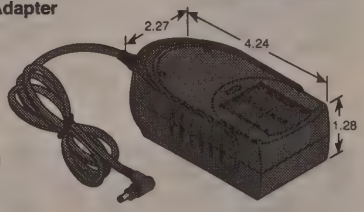
MOUSER STOCK NO.		DC Output	Current	Regulation		Price Each		
2.1mm Plug	2.5mm Plug	Voltage	Max.	Line	Load	1	5	25
418-TR10R033	418-TR10R033-12	3.3V	1.6A	±1%	±4%	17.99	15.99	14.99
418-TR10R050	418-TR10R050-12	5V	1.6A	±1%	±4%	17.99	15.99	14.99
418-TR10R060	418-TR10R060-12	6V	1.5A	±1%	±3%	17.99	15.99	14.99
418-TR10R075	418-TR10R075-12	7.5V	1.2A	±1%	±3%	17.99	15.99	14.99
418-TR10R090	418-TR10R090-12	9V	1.1A	±1%	±2%	17.99	15.99	14.99
418-TR10R120	418-TR10R120-12	12V	.85A	±1%	±2%	17.99	15.99	14.99
418-TR10R136	418-TR10R136-12	13.6V	0.75A	±1%	±2%	17.99	15.99	14.99
418-TR10R150	418-TR10R150-12	15V	0.7A	±1%	±2%	17.99	15.99	14.99
418-TR10R180	418-TR10R180-12	18V	0.55A	±1%	±2%	17.99	15.99	14.99
418-TR10R240	418-TR10R240-12	24V	0.4A	±1%	±2%	17.99	15.99	14.99

TR 30R SERIES
Interchangeable 30W Switching Adapter

Features:
- Universal input: 90~264Vac
- Continuous short circuit protection
- Over Voltage Protection
- Conductive EMI meets CISPR/FCC Class B
- High efficiency, 75% typical
- Interchangeable AC plugs
- DC output plug: 2.1mm or 2.5mm, center positive
- Color: gray and black (Special order colors available: red/black, orange/black, blue/black)

Specifications:
- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Input current: 0.7A Max.
- Inrush current: 50A Max. @ 264Vac

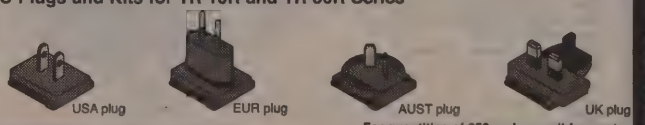
DIMENSIONS (IN)



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		DC Output	Current	Regulation		Price Each		
2.1mm Plug	2.5mm Plug	Voltage	Max.	Line	Load	1	5	25
418-TR30R050	418-TR30R050-12	5.0V	5.0A	±1%	±6%	34.95	31.95	29.95
418-TR30R090	418-TR30R090-12	9.0V	3.3A	±1%	±3%	34.95	31.95	29.95
418-TR30R120	418-TR30R120-12	12V	2.5A	±1%	±2%	34.95	31.95	29.95
418-TR30R150	418-TR30R150-12	15V	2.0A	±1%	±2%	34.95	31.95	29.95
418-TR30R180	418-TR30R180-12	18V	1.65A	±1%	±2%	34.95	31.95	29.95
418-TR30R240	418-TR30R240-12	24V	1.25A	±1%	±2%	34.95	31.95	29.95

AC Plugs and Kits for TR 10R and TR 30R Series



For quantities of 250 and up, call for quote.

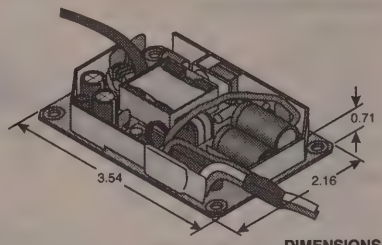
MOUSER STOCK NO.	Cincon Part No.	Style	Price Each			
			1	5	25	100
418-TR10-US	TR10-US	U.S.	.49	.47	.46	.45
418-TR10-EURO	TR10-EURO	European	.56	.52	.50	.48
418-TR10-UK	TR10-UK	U.K.	.92	.84	.79	.72
418-TR10-AUS	TR10-AUS	Australian	.70	.66	.62	.55
418-4PLUGKIT	4PLUGKIT	All 4 Plugs	2.67	2.49	2.37	2.20

ELPAC AC Medical Power Supplies and Adapters

ELPAC POWER SYSTEMS

20 WATT MEDICAL POWER SUPPLIES

Specifications:
- Input voltage: 100-240 VAC
- Input/ output connection: 8.0" wire leads



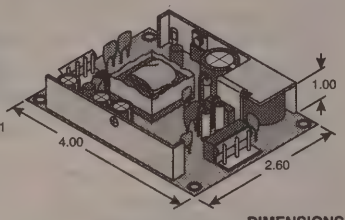
DIMENSIONS (IN)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		DC Output Voltage	Output Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
680—	MSM2012	12V	1.67	20W	43.95	41.54	39.12	36.70
680—	MSM2015	15V	1.34	20W	43.95	41.54	39.12	36.70
680—	MSM2024	24V	0.84	20W	43.95	41.54	39.12	36.70

28 WATT MEDICAL POWER SUPPLIES

Specifications:
- Input voltage: 100-240 VAC
- Input mating connector: AMP p/n 640250-5
- Output mating connector: AMP p/n 640250-4
- Mating connector contacts: AMP p/n 770522-1



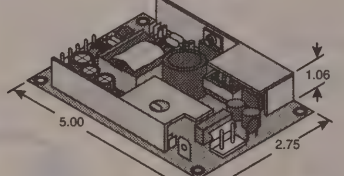
DIMENSIONS (IN)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		DC Output Voltage	Output Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
680—	MSM2812	12V	2.30	28W	48.60	46.42	44.28	40.60
680—	MSM2815	15V	1.90	28W	48.60	46.42	44.28	40.60
680—	MSM2824	24V	1.20	28W	48.60	46.42	44.28	40.60

40 WATT MEDICAL POWER SUPPLIES

Specifications:
- Input voltage: 90-264 VAC
- Input mating connector: AMP p/n 640250-3
- Output mating connector: AMP p/n 640250-6
- Mating connector contacts: AMP p/n 770522-1



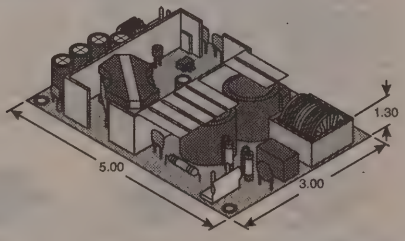
DIMENSIONS (IN)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		DC Output Voltage	Output Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
680—	MSM4012	12V	3.30	40W	64.90	62.48	59.98	55.34
680—	MSM4015	15V	2.60	40W	64.90	62.48	59.98	55.34
680—	MSM4018	18V	2.20	40W	64.90	62.48	59.98	55.34
680—	MSM4024	24V	1.67	40W	64.90	62.48	59.98	55.34

60 WATT MEDICAL POWER SUPPLIES

Specifications:
- Input voltage: 100-240 VAC
- Input mating connector: Molex p/n 09-50-3031
- Input mating connector contacts: Molex p/n 08-50-0106
- Output mating connector: Molex p/n 09-91-0400
- Output mating connector contacts: Molex p/n 08-50-0165



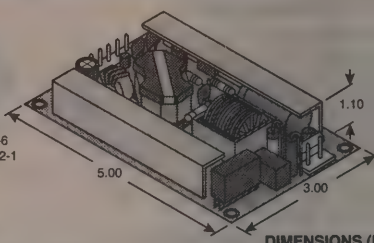
DIMENSIONS (IN)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		DC Output Voltage	Output Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
680—	MSM6012	12V	5.00	60W	61.19	58.75	56.92	52.88
680—	MSM6024	24V	2.50	60W	61.19	58.75	56.92	52.88

65 WATT MEDICAL POWER SUPPLIES

Specifications:
- Input voltage: 100-240 VAC
- Input mating connector: AMP p/n 640250-3
- Output mating connector: AMP p/n 640250-6
- Mating connector contacts: AMP p/n 770522-1



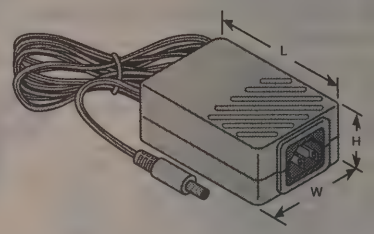
DIMENSIONS (

For quantities of 50 and up, call for qu

MOUSER STOCK NO.		DC Output Voltage	Output Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
680—	MSM6512	12V	5.40	65W	71.90	69.21	66.44	61.3
680—	MSM6515	15V	4.30	65W	71.90	69.21	66.44	61.3
680—	MSM6524	24V	2.70	65W	71.90	69.21	66.44	61.3

MEDICAL AC ADAPTER

Specifications:
- Input voltage: 100-240 VAC
- Output connector: Barrel type (2.5 x 5.5 x 9.5mm)
- Six foot DC output cord included
- Color: White
- Available in black add suffix- BK



2601 601 IEC 601-1

DIMENSIONS (

12 Watt Adapter (3.35L x 1.97W x 1.3H IN)

For quantities of 50 and up, call for qu

MOUSER STOCK NO.		DC Output Voltage	Output Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
680—	MW1212-760	12V	1.00	12W	35.78	32.38	28.98	25.5
680—	MW1224-760	24V	0.50	12W	35.78	32.38	28.98	25.5

24 Watt Adapter (4.25L x 2.5W x 1.3H IN)

For quantities of 50 and up, call for qu

MOUSER STOCK NO.		DC Output Voltage	Output Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
680—	MW2412-760	12V	2	24W	43.50	39.00	36.00	31.0
680—	MW2415-760	15V	1.6	24W	43.50	39.00	36.00	31.0
680—	MW2418-760	18V	1.3	24W	43.50	39.00	36.00	31.0
680—	MW2424-760	24V	1	24W	43.50	39.00	36.00	31.0

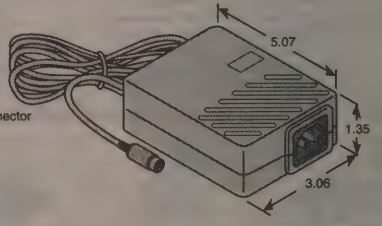
40 Watt Adapter (5.0L x 3.0W x 1.3H IN)

For quantities of 50 and up, call for qu

MOUSER STOCK NO.		DC Output Voltage	Output Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
680—	MW4012-760	12V	3.30	40W	51.08	48.53	45.97	40.8
680—	MW4015-760	15V	2.60	40W	51.08	48.53	45.97	40.8
680—	MW4018-760	18V	2.20	40W	51.08	48.53	45.97	40.8
680—	MW4024-760	24V	1.67	40W	51.08	48.53	45.97	40.8

65 WATT MEDICAL AC ADAPTER

Specifications:
- Input voltage: 100-240 VAC
- Input connector: IEC 60320 inlet plug
- Output connector: DIN-5 pin circular connector
- Six foot DC output cord included
- Color: White
- Available in black add suffix- BK



2601 601 IEC 601-1

DIMENSIONS (

For quantities of 50 and up, call for qu

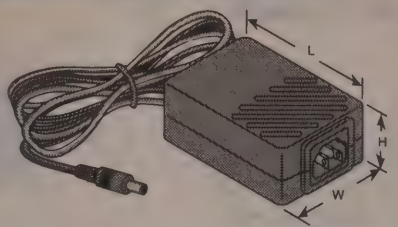
MOUSER STOCK NO.		DC Output Voltage	Output Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
680—	MW6512-D5	12V	5.40	65W	79.33	71.78	64.25	56.6
680—	MW6515-D5	15V	4.30	65W	79.33	71.78	64.25	56.6
680—	MW6524-D5	24V	2.70	65W	79.33	71.78	64.25	56.6

ELPAC AC Adapters and Power Supplies

ELPAC POWER SYSTEMS

SINGLE AND MULTIPLE OUTPUT ADAPTER

pecifications:
Input voltage: 100-240 VAC
Input connector: 3 Pin IEC 320 receptacle
Output connector:
760: Barrel type (2.5 x 5.5 x 9.5mm)
D5: 5 Pin DIN male
Six foot DC output and
AC input cord included



1950 LISTED 950

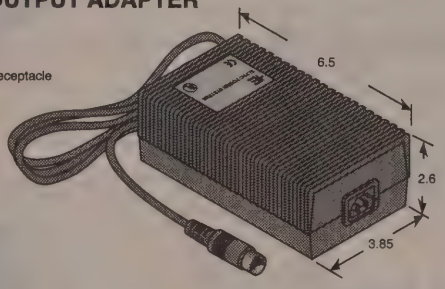
DIMENSIONS (IN.)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
8 Watt Adapter (3.35L x 1.97W x 1.3H)								
80—	FW1805-760	5V	3.00	15W	33.07	27.91	26.75	23.26
80—	FW1812-760	12V	1.50	18W	33.07	27.91	26.75	23.26
80—	FW1818-760	18V	1.00	18W	32.56	27.91	26.75	23.26
80—	FW1824-760	24V	0.75	18W	32.56	27.91	26.75	23.26
0 Watt Adapter (4.25L x 2.5W x 1.3H)								
80—	FW3012-760	12V	2.50	30W	46.80	40.12	38.44	33.43
80—	FW3015-760	15V	2.00	30W	46.80	40.12	38.44	33.43
80—	FW3018-760	18V	1.67	30W	46.80	40.12	38.44	33.43
80—	FW3024-760	24V	1.25	30W	46.80	40.12	38.44	33.43
2 Watt Adapter (5.9L x 3.33W x 1.5H)								
80—	W4221-D5	+5V +12V	4.80 1.50	42W	138.00	118.28	113.36	98.57
80—	W4231-D5	+5V +12V -12V	3.00 2.50 0.50	42W	138.00	118.28	113.36	98.57
80—	W4232-D5	+5V +12V -12V	4.80 1.50 0.50	42W	138.00	118.28	113.36	98.57
0 Watt Adapter (5.0L x 3.0W x 1.3H)								
80—	FW5012-760	12V	4.15	50W	54.00	46.28	44.36	38.57
80—	FW5018-760	18V	2.75	50W	54.00	46.28	44.36	38.57
80—	FW5024-760	24V	2.10	50W	54.00	46.28	44.36	38.57

SINGLE OUTPUT ADAPTER

pecifications:
Input voltage: 100-240 VAC
Input connector: 3 Pin IEC 320 receptacle
Output connector:
D5: 5 Pin DIN male
760: Barrel type
(2.5 x 5.5 x 9.5mm)
Six foot DC output and
AC input cord included



1950 950

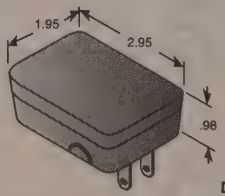
DIMENSIONS (IN.)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
2 Watt Adapter								
80—	FW7212-D5	12V	6.00	72W	70.81	60.70	58.17	50.58
80—	FW7224-D5	24V	3.00	72W	70.81	60.70	58.17	50.58
80—	FW7224-760	24V	3.00	72W	70.81	60.70	58.17	50.58
6 Watt Adapter								
80—	FW10012-D5	12V	8.00	96W	72.78	62.38	59.78	51.98
80—	FW10024-D5	24V	4.00	96W	72.78	62.38	59.78	51.98
80—	FW10024-760	24V	4.00	96W	72.78	62.38	59.78	51.98

12 WATT SINGLE OUTPUT REGULATED POWER SUPPLIES

pecifications:
nput voltage: 90-132 VAC
nput current: 0.75A
nput connector: 2 Pin NEMA 5/15 plug
Output connector: Barrel type
(2.5 x 5.5 x 9.5mm)
Six foot DC output cord included



1950 LISTED

DIMENSIONS (IN.)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
80—	WP1205-760	5V	2.40	12W	32.50	27.85	26.69	23.21
80—	WP1212-760	12V	1.00	12W	32.50	27.85	26.69	23.21
80—	WP1224-760	24V	0.50	12W	32.50	27.85	26.69	23.21

MULTIPLE OUTPUT REGULATED POWER SUPPLIES

Specifications:
- Output connector: 5 Pin DIN
- Six foot DC output and AC input cords included

Wallmount Version

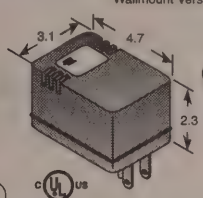
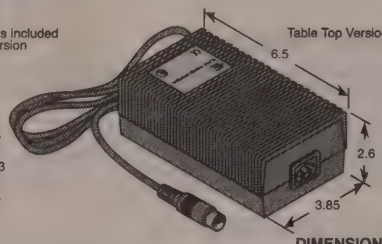


Table Top Version



1012 LISTED 1950

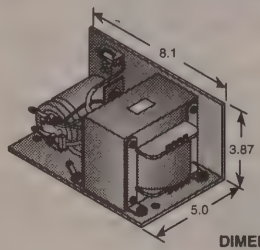
DIMENSIONS (IN.)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
Wallmount								
680—	WM113-D5	+5V, +12V -12V	0.86, 0.3 0.3	11.3W	48.00	42.20	40.36	36.40
Table Top								
680—	WRI2731-D5	+5V, +12V -12V	3.0, 0.5 0.5	27W	128.00	109.72	105.14	91.43
680—	WRI3031-D5	+5V, +12V -12V	2.0, 1.5 0.5	30W	124.00	106.28	101.86	88.57
680—	WRI4231-D5	+5V, +12V -12V	3.0, 2.5 0.5	42W	124.00	106.28	101.86	88.57
680—	WRI4232-D5	+5V, +12V -12V	4.8, 1.5 0.5	42W	124.00	106.28	101.86	88.57

UNREGULATED LINEAR POWER SUPPLIES

Specifications:
- Isolated output for positive or negative operation
- Full rated output from 0 to +55°C
- Electrostatically-shielded transformer
- Selectable input terminations
- Standard input: 105/115/125 VAC, 47-440Hz



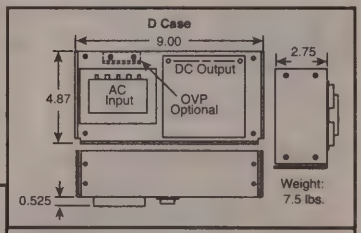
DIMENSIONS (IN.)

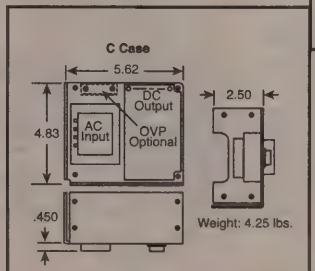
For quantities of 50 and up, call for quote.

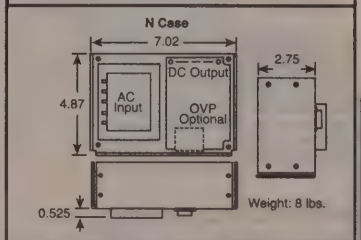
MOUSER STOCK NO.		Output Voltage	Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
680—	BFS200-20	20V	10.0	200W	212.00	201.40	190.80	169.60
680—	BFS200-24	24V	7.5	200W	184.00	174.80	165.60	147.20
680—	BFS500-24	24V	20.0	500W	272.00	258.40	244.80	217.60

LINEAR POWER SUPPLIES

Specifications:
- Multiple AC input capabilities: 60Hz or 50 Hz (derate 10% for 50Hz)
- Full rated output from 0 to +50°C
- Output regulation: ± 0.05% for 50% load change







DIMENSIONS (IN.)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Current (A)	Power	Case Size	Price Each			
Mfr.	Mfr. Part No.					1	5	10	25
680-SS12-5.1		12V	5.1	60W	N	100.80	95.76	90.72	80.64
680-SS12-6.8		12V	6.8	81W	D	132.48	125.86	119.23	105.98
680-SS24-2.4		24V	2.4	57W	C	74.30	70.59	66.87	59.44

Elpac AC Adapters

PHIHONG Interchangeable Plug Adapters

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz

Features:
- Field changeable AC plugs (sold separately)

2.5 WATT USB ADAPTER

- Efficiency: 55% typical
- USB socket (cable not included)
- Universal input
- ECOC compliance
- Low leakage current

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple	Regulation		Price Each			
				Min.	Max.	P-P	Line	Load	1	5	25	100
552-PSC-03R-050	PSC03R-050	A	5V	0A	0.5A	55mV	± 5%	± 5%	14.76	13.40	12.11	10.98

5 WATT ADAPTERS

- Efficiency: 60% minimum
- Output connector: 2.1x5.5mm Center positive
- Double insulated
- 6 foot DC cord included
- Class B EMI

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple	Regulation		Price Each			
				Min.	Max.	P-P	Line	Load	1	5	25	100
552-PSA-05R-033	PSA05R-033	B	3.3V	0A	1.2A	50mV	±1%	±5%	14.76	13.40	12.11	10.98
552-PSA-05R-050	PSA05R-050	B	5V	0A	1A	50mV	±1%	±5%	14.76	13.40	12.11	10.98
552-PSA-05R-090	PSA05R-090	B	9V	0A	0.56A	90mV	±1%	±5%	14.76	13.40	12.11	10.98
552-PSA-05R-120	PSA05R-120	B	12V	0A	0.42A	120mV	±1%	±5%	14.76	13.40	12.11	10.98

10 WATT ADAPTERS

- Efficiency: 65%-70% minimum
- Output connector: 2.1x5.5mm Center positive
- Class B EMI
- 6 foot DC cord included
- Double insulated

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple	Regulation		Price Each			
				Min.	Max.	P-P	Line	Load	1	5	25	100
552-PSM-11R-050	PSM11R-050	B	5V	0A	2A	100mV	± 5%		16.10	14.79	13.92	12.61
552-PSM-11R-090	PSM11R-090	B	9V	0A	1.12A	100mV	± 5%		16.10	14.79	13.92	12.61
552-PSM-11R-120	PSM11R-120	B	12V	0A	0.84A	120mV	± 5%		16.10	14.79	13.92	12.61

11 WATT ADAPTERS

- Efficiency: 65% typical
- 6 foot DC cord included
- Output connector: 2.1x5.5mm Center positive
- 5% NL-FL Regulation
- Power on LED
- Class B EMI
- Double insulated

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple	Regulation		Price Each			
				Min.	Max.	P-P	Line	Load	1	5	25	100
552-PSA-11R-050	PSA11R-050	B	5V	0A	2A	50mV	±1%	±5%	18.61	16.92	15.73	14.03
552-PSA-11R-090	PSA11R-090	B	9V	0A	1.1A	90mV	±1%	±5%	18.61	16.92	15.73	14.03
552-PSA-11R-120	PSA11R-120	B	12V	0A	0.83A	120mV	±1%	±5%	18.61	16.92	15.73	14.03
552-PSA-11R-150	PSA11R-150	B	15V	0A	0.67A	150mV	±1%	±5%	18.61	16.92	15.73	14.03
552-PSA-11R-240	PSA11R-240	B	24V	0A	0.42A	240mV	±1%	±5%	18.61	16.92	15.73	14.03

15 WATT ADAPTERS

- Efficiency: 70% typical
- Output connector: 2.1x5.5mm Center positive
- Limited Power Source
- 6 foot DC cord included
- Class B EMI
- Double insulated

NEW FROM SUPPLIER

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple	Regulation		Price Each			
				Min.	Max.	P-P	Line	Load	1	5	25	100
552-PSA15R-050	PSA15R-050	B	5V	0A	3.00A	50mV	±1%	±5%	19.58	17.95	16.76	15.23
552-PSA15R-120	PSA15R-120	B	12V	0A	1.25A	120mV	±1%	±5%	19.58	17.95	16.76	15.23
552-PSA15R-480	PSA15R-480	B	48V	0A	0.31A	480mV	±1%	±5%	19.58	17.95	16.76	15.23

20 WATT ADAPTERS

- Efficiency: 65% typical
- 6 foot DC cord included
- Output connector: 2.1x5.5mm Center positive
- 2% Regulation (5-24VDC)
- Loadsense at DC plug
- Power on LED
- Double insulated
- Class B EMI

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple	Regulation		Price Each			
				Min.	Max.	P-P	Line	Load	1	5	25	100
552-PSA-21R-050	PSA21R-050	B	5V	0A	3A	50mV	±1%	±2%	28.55	25.95	24.25	21.80
552-PSA-21R-120	PSA21R-120	B	12V	0A	1.67A	120mV	±1%	±2%	28.55	25.95	24.25	21.80
552-PSA-21R-150	PSA21R-150	B	15V	0A	1.33A	150mV	±1%	±2%	28.55	25.95	24.25	21.80
552-PSA-21R-180	PSA21R-180	B	18V	0A	1.11A	180mV	±1%	±2%	28.55	25.95	24.25	21.80
552-PSA-21R-240	PSA21R-240	B	24V	0A	0.83A	240mV	±1%	±2%	28.55	25.95	24.25	21.80

R-SERIES AC PLUGS

(Adapters sold separately)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Description	Price Each			
				1	5	25	100
552-RPA	RPA	C	USA Plug	.56	.53	.51	.46
552-RPE	RPE	D	European Plug	.64	.60	.58	.52
552-RPK	RPK	E	UK Plug	1.04	.98	.94	.85
552-RPS	RPS	F	Australian Plug	.80	.75	.73	.65
552-RPKIT	RPBAG	--	Kit w/ 4 plugs	2.75	2.40	2.32	2.08

DIMENSIONS (IN.)

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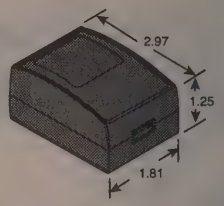
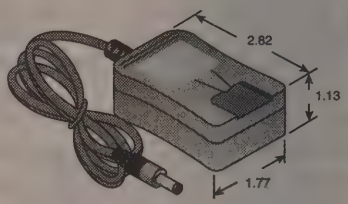


- Plugs sold separately

B



- Plugs sold separately

C

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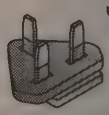

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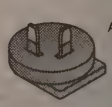

PHIHONG AC Adapters

PHIHONG PSM04A 4 WATT FLIP PLUG ADAPTER

NEW FROM SUPPLIER

Specifications:
AC input voltage: 90-264 VAC
AC frequency: 47-63 Hz
• Output Connector: 2.1x5.5mm, center positive

Features:
• No load power consumption
• Slim 1" height
• Foot DC cord included
• Low leakage current
• Short circuit protection

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple	Regulation		Price Each			
				Min.	Max.	P-P	Line	Load	1	5	25	100
552-PSM-04A-050	PSM04A-050(STD)	A	5V	0A	0.75A	55mV	±5%	±5%	13.43	12.65	12.04	11.50

PHIHONG PSA05A 5 WATT SLIM PROFILE ADAPTERS

Specifications:
AC input voltage: 90-264VAC
AC frequency: 47-63Hz
• Output connector: 2.1x5.5mm, center positive

Features:
• Zero minimum load
• Slim 1" height
• 6 foot DC cord included
• Fits multiple plug strips
• 100µA Leakage
• NEMA Plug in

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple	Regulation		Price Each			
				Min.	Max.	P-P	Line	Load	1	5	25	100
552-PSA-05A-033	PSA05A-033	B	3.3V	0A	1.2A	100mV	±2%	±5%	16.45	14.95	13.90	12.15
552-PSA-05A-050	PSA05A-050	B	5V	0A	1A	100mV	±2%	±5%	16.45	14.95	13.90	12.15
552-PSA-05A-120	PSA05A-120	B	12V	0A	0.42A	120mV	±2%	±5%	16.45	14.95	13.90	12.15

PHIHONG PSA10A 10 WATT FLIP PLUG ADAPTERS

Specifications:
AC input voltage: 90-264VAC
AC frequency: 47-63Hz
Efficiency: 70% typical
Output connector: 2.1x5.5mm, center positive

Features:
• 3-position folding plug
• Plug retracts in case
• Double insulated
• Splash guard case
• Fits strips or flat
• Power on LED
• 6 foot DC cord included

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple	Regulation		Price Each			
				Min.	Max.	P-P	Line	Load	1	5	25	100
552-PSA-10A-050	PSA10A-050	C	5V	0A	2A	50mV	±2%	±5%	19.25	17.50	16.20	14.30
552-PSA-10A-090	PSA10A-090	C	9V	0A	1.1A	90mV	±2%	±3%	19.25	17.50	16.20	14.30
552-PSA-10A-120	PSA10A-120	C	12V	0A	0.83A	120mV	±2%	±3%	19.25	17.50	16.20	14.30

PHIHONG PSC10A 10 WATT WALL PLUG-IN ADAPTERS

Specifications:
AC input voltage: 90-132VAC
AC frequency: 57-63Hz
• Output connector: 2.1x5.5mm, center positive
• Efficiency: 70% typical

Features:
• NEMA Plug in
• Zero minimum load
• 250µA Leakage
• Short circuit protected
• 6 foot DC cord included

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Regulation		Price Each			
				Min.	Max.	Line	Load	1	5	25	100
552-PSC-10A-050S	PSC10A-050S	D	5V	0A	2A	±5%	±5%	13.75	12.50	11.55	10.00
552-PSC-10A-090S	PSC10A-090S	D	9V	0A	1.1A	±5%	±5%	13.75	12.50	11.55	10.00
552-PSC-10A-120S	PSC10A-120S	D	12V	0A	0.83A	±5%	±5%	13.75	12.50	11.55	10.00
552-PSC-10A-150S	PSC10A-150S	D	15V	0A	0.67A	±5%	±5%	13.75	12.50	11.55	10.00
552-PSC-10A-240S	PSC10A-240S	D	24V	0A	0.42A	±5%	±5%	13.75	12.50	11.55	10.00

PHIHONG PSC15A 15 WATT WALL PLUG-IN ADAPTERS

Specifications:
AC input voltage: 90-132VAC
AC frequency: 57-63Hz
Efficiency: 70% typical
• Output connector: 2.1x5.5mm, center positive

Features:
• NEMA Plug in
• Zero minimum load
• Short circuit protected
• 6 foot DC cord included

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Regulation		Price Each			
				Min.	Max.	Line	Load	1	5	25	100
552-PSC-15A-050S	PSC15A-050S	E	5V	0A	3A	±5%	±5%	14.25	12.95	11.95	10.40
552-PSC-15A-090S	PSC15A-090S	E	9V	0A	1.6A	±5%	±5%	14.25	12.95	11.95	10.40
552-PSC-15A-120S	PSC15A-120S	E	12V	0A	1.25A	±5%	±5%	14.25	12.95	11.95	10.40
552-PSC-15A-150S	PSC15A-150S	E	15V	0A	1A	±5%	±5%	14.25	12.95	11.95	10.40
552-PSC-15A-240S	PSC15A-240S	E	24V	0A	0.62A	±5%	±5%	14.25	12.95	11.95	10.40

PHIHONG PSA15W 15 WATT LOW PROFILE SINGLE OUTPUT ADAPTERS

Specifications:
AC input voltage: 90-264VAC
AC frequency: 47-63Hz
Efficiency: 70% typical
Output connector: 2.1x5.5mm, center positive

Features:
• Two wire operation
• Zero minimum load
• Slim 1" height
• <250µA Leakage
• Extended design life
• 3 foot DC cord included

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple	Regulation		Price Each			
				Min.	Max.	P-P	Line	Load	1	5	25	100
552-PSA-15W-050	PSA15W-050	F	5V	0A	2.5A	50mV	±2%	±5%	20.68	18.80	17.40	15.40
552-PSA-15W-120	PSA15W-120	F	12V	0A	1.25A	120mV	±1%	±5%	20.68	18.80	17.40	15.40
552-PSA-15W-150	PSA15W-150	F	15V	0A	1A	150mV	±1%	±5%	20.68	18.80	17.40	15.40
552-PSA-15W-240	PSA15W-240	F	24V	0A	0.625A	240mV	±1%	±5%	20.68	18.80	17.40	15.40

DIMENSIONS (IN.)

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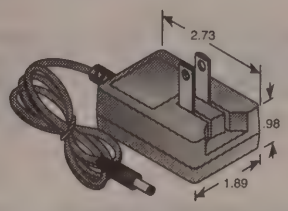

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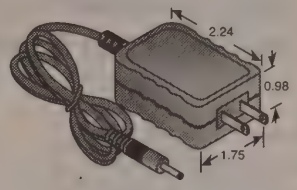

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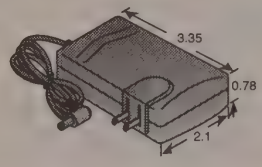

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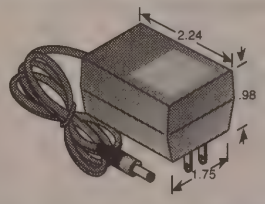

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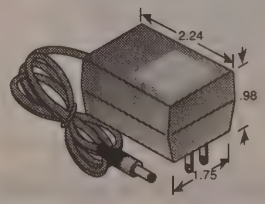

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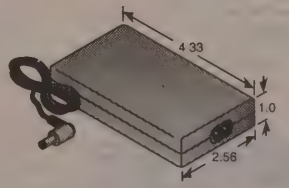

PHIHONG PSA16U 15 WATT POWER OVER ETHERNET ADAPTER

NEW FROM SUPPLIER

Specifications:
- AC input voltage: 90-264 VAC
- AC frequency: 47-63 Hz
- Efficiency: 75% typical

Features:
- Non-vented case
- IOL test report
- Diagnostic LEDs
- Data and power carried over one Ethernet cable
- IEEE 802.3af Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Regulation		Price Each			
				Min.	Max.	Line	Load	1	5	25	100
552-PSA16U-480	PSA16U-480(POE)	A	48V	0A	0.35A	±3%	±3%	26.89	24.65	23.00	20.92

PHIHONG PSA18U 18 WATT IEC320 C14 INPUT ADAPTERS

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 70% typical
- Output connector: 2.1 x 5.5mm center positive

Features:
- Light weight
- Cost effective design
- Sealed case
- 5 foot DC cord included

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P	Regulation		Price Each			
				Min.	Max.		Line	Load	1	5	25	100
552-PSA-18U-033	PSA18U-033	B	3.3V	0A	4A	50mV	±5%	±5%	23.87	21.70	19.95	17.15
552-PSA-18U-050	PSA18U-050	B	5V	0A	3A	50mV	±5%	±5%	23.87	21.70	19.95	17.15
552-PSA-18U-090	PSA18U-090	B	9V	0A	2A	100mV	±5%	±5%	23.87	21.70	19.95	17.15
552-PSA-18U-120	PSA18U-120	B	12V	0A	1.5A	120mV	±5%	±5%	23.87	21.70	19.95	17.15
552-PSA-18U-150	PSA18U-150	B	15V	0A	1.2A	150mV	±5%	±5%	23.87	21.70	19.95	17.15
552-PSA-18U-240	PSA18U-240	B	24V	0A	0.75A	240mV	±5%	±5%	23.87	21.70	19.95	17.15

PHIHONG PSA31U 20-30 WATT UNIVERSAL 3-WIRE INPUT SINGLE OUTPUT ADAPTERS

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 70% typical
- Output connector: 2.1x5.5mm Center positive

Features:
- Cost effective design
- Non-vented/spill-proof case
- Class B EMI compliant
- IEC C14 Grounded input
- 5 foot DC cord included

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P	Regulation L-L	Price Each			
				Min.	Max.			1	5	25	100
552-PSA-31U-050	PSA31U-050	C	5V	0A	4A	50mV	±5%	27.45	24.95	22.95	20.75
552-PSA-31U-090	PSA31U-090	C	9V	0A	2.2A	90mV	±5%	27.45	24.95	22.95	20.75
552-PSA-31U-120	PSA31U-120	C	12V	0A	2.5A	120mV	±5%	27.45	24.95	22.95	20.75
552-PSA-31U-150	PSA31U-150	C	15V	0A	2A	150mV	±5%	27.45	24.95	22.95	20.75
552-PSA-31U-180	PSA31U-180	C	18V	0A	1.6A	180mV	±5%	27.45	24.95	22.95	20.75
552-PSA-31U-240	PSA31U-240	C	24V	0A	1.25A	240mV	±5%	27.45	24.95	22.95	20.75
552-PSA-31U-480	PSA31U-480	C	48V	0A	0.625A	480mV	±5%	27.45	24.95	22.95	20.75

PHIHONG PSA46 40 WATT MULTIPLE OUTPUT ADAPTERS

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 70% typical
- Output Connector: 5P DIN 180°, male

Features:
- Built-in EMI filter Class B
- Compact size
- 4 foot DC cord included

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P	Regulation		Price Each			
				Min.	Max.		Line	Load	1	5	25	100
552-PSA-45-201	PSA45-201	D	5V	0.3A	4A	50mV	±1%	±5%	41.14	37.40	34.60	31.48
			12V	0.2A	1.5A	120mV	±1%	±5%				

DIMENSIONS (IN.)

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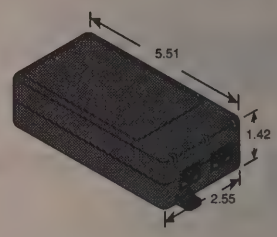

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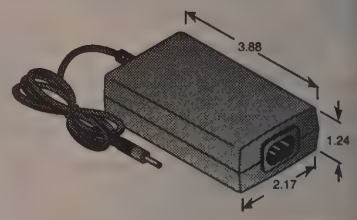

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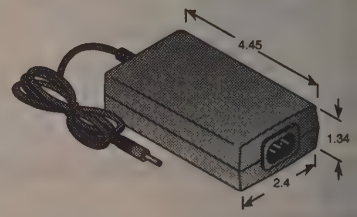

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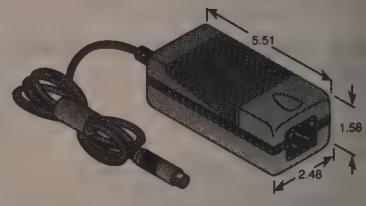

PHIHONG AC Adapters and Power Supply Cords

PHIHONG PSA60W 50/60 WATT TWO WIRE UNIVERSAL INPUT ADAPTERS

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 80% typical
- Output connector: 2.1x5.5mm Center positive

Features:
- Compact mini size
- Non-vented/spill-proof case
- Double insulated
- Power on LED
- 5 foot DC cord included

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load Min.	Load Max.	Ripple P-P	Regulation L-L	Price Each 1	5	25	100
552-PSA-60W-120	PSA60W-120	A	12V	0A	4.16A	120mV	±4%	36.85	34.65	31.50	28.60
552-PSA-60W-150	PSA60W-150	A	15V	0A	3.3A	150mV	±4%	36.85	34.65	31.50	28.60
552-PSA-60W-240	PSA60W-240	A	24V	0A	2.5A	240mV	±4%	36.85	34.65	31.50	28.60

PHIHONG PSA65U 60 WATT SINGLE OUTPUT ADAPTERS

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 80% typical
- Output connector: 2.1x5.5mm Center positive

Features:
- Compact low profile case
- Non-vented/spill-proof case
- Class B EMI compliant
- IEC C14 Grounded input
- 3 foot DC cord included

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load Min.	Load Max.	Ripple P-P	Regulation L-L	Price Each 1	5	25	100
552-PSA-65U-120	PSA65U-120	B	12V	0A	5A	120mV	±5%	40.43	36.75	33.90	31.10
552-PSA-65U-150	PSA65U-150	B	15V	0A	4A	150mV	±5%	40.43	36.75	33.90	31.10
552-PSA-65U-180	PSA65U-180	B	18V	0A	3.3A	180mV	±5%	40.43	36.75	33.90	31.10
552-PSA-65U-240	PSA65U-240	B	24V	0A	2.5A	240mV	±5%	40.43	36.75	33.90	31.10

PHIHONG PSA65U 60 WATT TRIPLE OUTPUT ADAPTERS

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 75% typical
- Output connector: 8p DIN

Features:
- Built-in EMI filter Class B
- Compact size
- 6 foot DC cord included

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load Min.	Load Max.	Ripple P-P	Regulation L-L	Price Each 1	5	25	100
552-PSA-65U-301	PSA65U-301	C	5V 12V -12V	0.1A 0.1A 0A	6A 2A 0.5A	50mV 120mV 120mV	±5% ±5% ±5%	51.43	46.75	43.25	39.35

PHIHONG PSA150U 130 WATT SWITCHING ADAPTERS

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 85% typical

Features:
- Output connector: snap and lock 4p; 806-KPJ-45
- Class B EMI compliant
- 5 foot DC cord included

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load Min.	Load Max.	Ripple P-P	Regulation Line	Regulation Load	Price Each 1	5	25	100
552-PSA-150U-240	PSA150U-240	D	24V	0A	5.4A	240mV	±1%	±5%	99.48	93.63	87.78	79.00
552-PSA-150U-480	PSA150U-480	D	48V	0A	2.7A	480mV	±1%	±5%	99.48	93.63	87.78	79.00

PHIHONG POWER SUPPLY AC CORDS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Length	Description	Price Each 1	5	25	100
552-AC15WNA	AC15WNA	E	6 ft.	2-wire AC Cord -US version	2.00	1.80	1.60	1.50
552-AC15WEU	AC15WEU	F	5 ft. 7 in.	2-wire AC Cord -European version	2.00	1.80	1.60	1.50
552-AC15WUK	AC15WUK	G	5 ft. 7 in.	2-wire AC Cord- UK version	5.00	4.50	4.20	3.50
552-AC30UNA	AC30UNA	H	5 ft. 7 in.	3-wire AC Cord -US version	4.10	3.75	3.30	2.90

DIMENSIONS (IN.)

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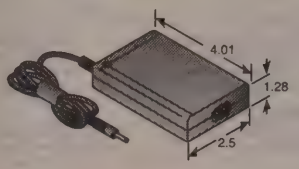

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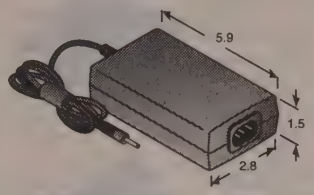

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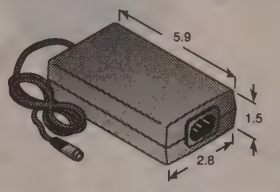

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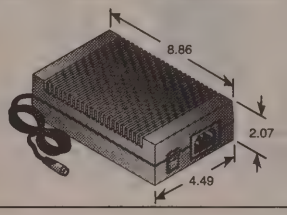

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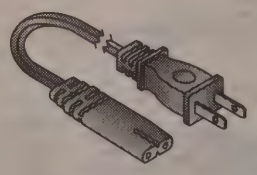

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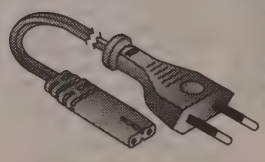

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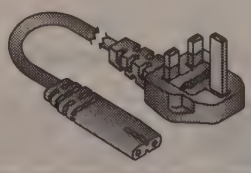

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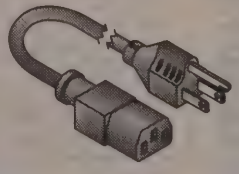

Phihong

AC Adapters

XICON AC Adapters

XICON SWITCHING ADAPTERS

Features:
- Input Voltage: 100-120VAC, 50/60Hz
- Load Regulation: ±5%
- Over Voltage Protection: 120% Min.
- Over Current Protection: 120% Min.
- Short Protection: Auto Recovery
- Efficiency: 70% Min.
- Super mini size
- Light and convenient plug-in

Applications:
- Lithium Ion Battery Charger
- Digital Camera
- CD-ROM and Hub
- Communication Terminals
- Any Portable Device or Machine

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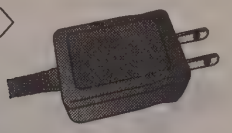

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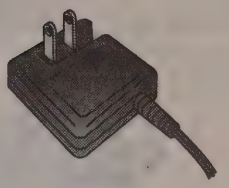


Slim Line Adapters (44L x 32W x 22.5H mm)

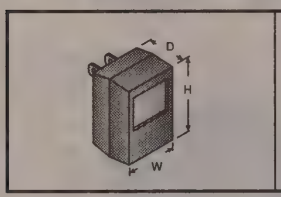
For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Output Voltage	Output Current	Output Connector	Price Each 1	5	25	100
419-10320-3	A	3.0V	2.0A	2.1x5.5mm	15.45	13.95	12.90	11.15
419-13320-3	A	3.3V	2.0A	2.1x5.5mm	15.45	13.95	12.90	11.15
419-10416-3	A	4.5V	1.6A	2.1x5.5mm	15.45	13.95	12.90	11.15
419-10520-1	A	5.0V	2.0A	1.35x3.8mm	15.45	13.95	12.90	11.15
419-10520-2	A	5.0V	2.0A	1.7x4.75mm	15.45	13.95	12.90	11.15
419-10520-3	A	5.0V	2.0A	2.1x5.5mm	15.45	13.95	12.90	11.15
419-10520-4	A	5.0V	2.0A	2.5x5.5mm	15.45	13.95	12.90	11.15
419-10618-3	A	6.0V	1.8A	2.1x5.5mm	15.45	13.95	12.90	11.15
419-10913-3	A	9.0V	1.3A	2.1x5.5mm	15.45	13.95	12.90	11.15
419-11210-3	A	12.0V	1.0A	2.1x5.5mm	15.45	13.95	12.90	11.15
419-11508-3	A	15.0V	0.8A	2.1x5.5mm	15.45	13.95	12.90	11.15

Flip Plug Adapters (48L x 45.5W x 22.5H mm)

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Fig.	Output Voltage	Output Current	Output Connector	Price Each 1	5	25	100
419-20320-3	B	3.0V	2.0A	2.1x5.5mm	17.35	15.75	14.66	12.94
419-23320-3	B	3.3V	2.0A	2.1x5.5mm	17.35	15.75	14.66	12.94
419-20416-3	B	4.5V	1.6A	2.1x5.5mm	17.35	15.75	14.66	12.94
419-20520-1	B	5.0V	2.0A	1.35x3.8mm	17.35	15.75	14.66	12.94
419-20520-2	B	5.0V	2.0A	1.7x4.75mm	17.35	15.75	14.66	12.94
419-20520-3	B	5.0V	2.0A	2.1x5.5mm	17.35	15.75	14.66	12.94
419-20520-4	B	5.0V	2.0A	2.5x5.5mm	17.35	15.75	14.66	12.94
419-20618-3	B	6.0V	1.8A	2.1x5.5mm	17.35	15.75	14.66	12.94
419-20913-3	B	9.0V	1.3A	2.1x5.5mm	17.35	15.75	14.66	12.94
419-21210-3	B	12.0V	1.0A	2.1x5.5mm	17.35	15.75	14.66	12.94
419-21508-3	B	15.0V	0.8A	2.1x5.5mm	17.35	15.75	14.66	12.94



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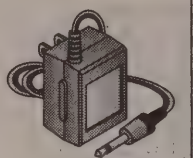

Male Plug Illustrated

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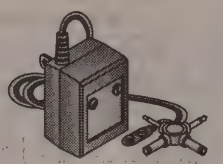

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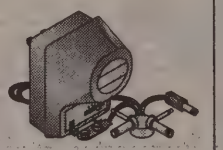

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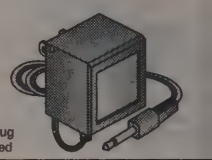


Male Plug Illustrated

XICON AC ADAPTERS

Features:
- Current ratings to 1.5A
- All DC connectors are positive (+) center pin except universals which are selectable
- Plugs into standard 115V outlet
- 72" output cord with molded termination
- Unregulated

AC to DC (Standard)

∗ 110/220VAC Input

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Rating (mA)	Dimensions (In.) H	W	D	Output Connector	Price Each 1	10	50
41AC106	A	6VDC/100mA	2.20	1.75	1.45	3.5mm phone plug	3.99	3.33	3.03
41AC115	A	6VDC/200mA	2.37	2.00	1.70	3.5mm phone plug	3.99	3.33	3.03
41AC109	A	9VDC/100mA	2.20	1.75	1.45	3.5mm phone plug	3.99	3.33	3.03
41AC114	A	9VDC/200mA	2.37	2.00	1.70	3.5mm phone plug	4.49	3.75	3.41
41AC119	A	12VDC/100mA	2.20	1.75	1.45	Stripped and tinned	4.49	3.75	3.41
41AC112	A	12VDC/100mA	2.20	1.75	1.45	2.5mm phone plug	4.49	3.75	3.41
41AC113	A	12VDC/200mA	2.37	2.00	1.70	2.5mm phone plug	4.49	3.75	3.41
∗41AC116	B	Universal 3, 4.5,6,9, and 12VDC/300mA	2.30	2.00	1.70	5 way: 2.5mm 3.5mm phone plug, 2.1mm x 5.0mm, 2.5 x 5.5mm female 9VDC batt. snap	6.29	5.19	4.75

AC to DC (UL and CSA Approved)

c UL us LISTED

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Rating (mA)	Dimensions (In.) H	W	D	Output Connector	Price Each 1	10	50
412-106021	D	6VDC/200mA	2.3	1.70	1.65	3.5mm phone plug	4.72	4.18	3.66
412-106054	D	6VDC/500mA	2.3	1.70	1.65	2.1 x 5.5mmDC pwr plug	4.72	4.18	3.66
412-106084	D	6VDC/800mA	2.6	1.93	1.73	2.1 x 5.5mm DC pwr plug	5.89	5.10	4.55
412-106104	D	6VDC/1A	2.6	1.93	1.73	2.1 x 5.5mm DC pwr plug	5.89	5.10	4.55
412-109011	D	9VDC/100mA	2.3	1.70	1.65	3.5mm phone plug	4.72	4.18	3.66
412-109024	D	9VDC/200mA	2.3	1.70	1.65	2.1 x 5.5mm DC pwr plug	4.72	4.18	3.66
412-109021	D	9VDC/200mA	2.3	1.70	1.65	3.5mm phone plug	4.72	4.18	3.66
412-109034	D	9VDC/300mA	2.3	1.70	1.65	2.1 x 5.5mm DC pwr plug	4.72	4.18	3.66
412-109033	D	9VDC/300mA	2.3	1.70	1.65	2.5 x 5.5mm DC pwr plug	4.72	4.18	3.66
412-109054	D	9VDC/500mA	2.6	1.93	1.73	2.1 x 5.5mm DC pwr plug	5.89	5.10	4.55
412-109051	D	9VDC/500mA	2.6	1.93	1.73	3.5mm phone plug	5.89	5.10	4.55
412-109063	D	9VDC/600mA	2.6	1.93	1.73	2.5 x 5.5mm DC pwr plug	5.89	5.10	4.55
412-109104	D	9VDC/1A	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	9.31	8.28	7.35

AC to DC (UL and CSA Approved) (cont.)

c UL us LISTED

† UL, only

For quantities of 100 and up, call for quote.

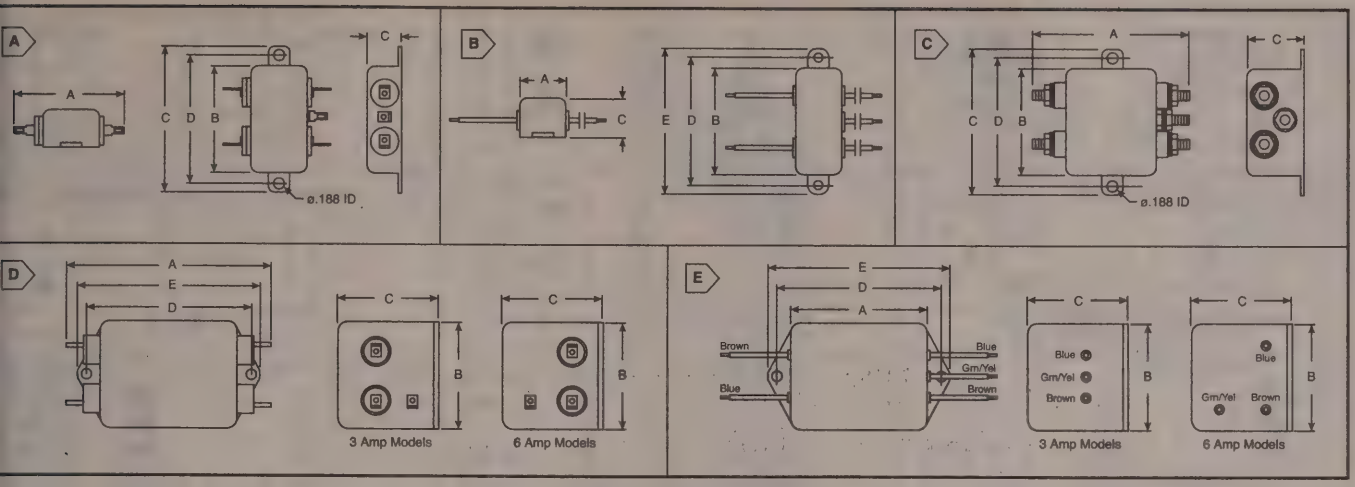
MOUSER STOCK NO.	Fig.	Output Rating (mA)	Dimensions (In.) H	W	D	Output Connector	Price Each 1	10	50
412-109124	D	9VDC/1.2A	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	9.31	8.28	7.35
412-112010	D	12VDC/100mA	2.3	1.70	1.65	Stripped and tinned	4.72	4.18	3.66
412-112014	D	12VDC/100mA	2.3	1.70	1.65	2.1 x 5.5mm DC pwr plug	4.72	4.18	3.66
412-112013	D	12VDC/100mA	2.3	1.70	1.65	2.5 x 5.5mm DC pwr plug	4.72	4.18	3.66
412-112024	D	12VDC/200mA	2.3	1.70	1.65	2.1 x 5.5mm DC pwr plug	4.72	4.18	3.66
412-112023	D	12VDC/200mA	2.3	1.70	1.65	2.5 x 5.5mm DC pwr plug	4.72	4.18	3.66
412-112022	D	12VDC/200mA	2.3	1.70	1.65	2.5mm phone plug	4.72	4.18	3.66
412-112021	D	12VDC/200mA	2.3	1.70	1.65	3.5mm phone plug	4.72	4.18	3.66
412-112034	D	12VDC/300mA	2.6	1.93	1.73	2.1 x 5.5mm DC pwr plug	5.89	5.10	4.55
412-112044	D	12VDC/400mA	2.6	1.93	1.73	2.1 x 5.5mm DC pwr plug	5.89	5.10	4.55
412-112054	D	12VDC/500mA	2.6	1.93	1.73	2.1 x 5.5mm DC pwr plug	5.89	5.10	4.55
412-112053	D	12VDC/500mA	2.6	1.93	1.73	2.5 x 5.5mm DC pwr plug	5.89	5.10	4.55
412-112051	D	12VDC/500mA	2.6	1.93	1.73	3.5mm phone plug	5.89	5.10	4.55
412-112055	D	12VDC/500mA	2.6	1.93	1.73	1.3 x 3.5mm DC pwr plug	5.89	5.10	4.55
412-112084	D	12VDC/800mA	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	9.31	8.28	7.35
†412-112104	D	12VDC/1A	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	9.31	8.28	7.35
412-112103	D	12VDC/1A	2.5	2.24	1.97	2.5 x 5.5mm DC pwr plug	9.31	8.28	7.35
412-112101	D	12VDC/1A	2.5	2.24	1.97	3.5mm phone plug	9.31	8.28	7.35
412-112153	D	12VDC/1.5A	3.34	2.67	2.20	2.5 x 5.5mm pwr plug	11.69	10.64	9.51
412-3120	C	Universal 3, 4.5, 6, 7. 5, 9, and 12VDC/500mA	2.9	2.02	2.00	6 way 2.5mm, 3.5mm male, 1.3 x 3.5mm, 2.1 x 5.0mm, 2.5 x 5.5mm DC pwr plug, 9VDC batt., Snap, ± polarity switch	11.69	10.64	9.51
412-124013	D	24VDC/100mA	2.3	1.70	1.65	2.5 x 5.5mm DC pwr plug	4.72	4.18	3.66
412-124044	D	24VDC/400mA	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	9.31	8.28	7.35

AC to AC

c UL us LISTED

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Rating (mA)	Dimensions (In.) H	W	D	Output Connector	Price Each 1	10	50
412-209051	D	9VAC/500mA	2.4	1.75	1.65	3.5mm phone plug	5.35	4.64	4.01
412-210054	D	10VAC/500mA	2.68	1.95	1.74	2.1 x 5.5mm DC pwr plug	5.35	4.64	4.01
412-212054	D	12VAC/500mA	2.68	1.95	1.74	2.1 x 5.5mm DC pwr plug	5.35	4.64	4.01
412-212104	D	12VAC/1A	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	5.89	5.10	4.55
412-212103	D	12VAC/1A	2.5	2.24	1.97	2.5 x 5.5mm DC pwr plug	5.89	5.10	4.55
412-215042	D	15VAC/400mA	2.68	1.95	1.74	2.5mm phone plug	5.89	5.10	4.55
412-218054	D	18VAC/500mA	2.68	1.95	1.74	2.1 x 5.5mm DC pwr plug	5.89	5.10	4.55
412-224034	D	24VAC/300mA	2.68	1.95	1.74	2.1 x 5.5mm DC pwr plug	5.89	5.10	4.55
412-224054	D	24VAC/500mA	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	5.89	5.10	4.55



SERIES FILTERS

to 20 Amps; 120/250 Volts AC; 50-60 Hz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Dimensions In. (mm)					Amps	Price Each			
			A	B	C	D	E		1	10	25	50
92-1VB1	1VB1	A	2.25 (57.2)	1.82 (46.2)	0.66 (16.8)	2.125 (53.98)	2.53 (64.3)	1	10.23	9.50	9.01	8.28
92-2VB1	2VB1	A	2.25 (57.2)	1.82 (46.2)	0.66 (16.8)	2.125 (53.98)	2.53 (64.3)	2	7.69	7.31	6.94	6.59
92-3VB1	3VB1	A	2.61 (66.3)	1.82 (46.2)	0.78 (19.8)	2.125 (53.98)	2.53 (64.3)	3	9.75	9.26	8.80	8.36
92-5VB1	5VB1	A	2.61 (66.3)	1.82 (46.2)	0.78 (19.8)	2.125 (53.98)	2.53 (64.3)	5	8.25	7.84	7.45	7.08
92-10VB1	10VB1	A	2.61 (66.3)	1.82 (46.2)	1.16 (29.5)	2.125 (53.98)	2.53 (64.3)	10	9.19	8.73	8.29	7.88
92-20VB1	20VB1	A	3.36 (85.3)	2.07 (52.6)	1.16 (29.5)	2.375 (60.33)	2.81 (71.4)	20	14.25	13.54	12.86	12.22
92-1VB3	1VB3	B	0.96 (24.4)	1.82 (46.2)	0.66 (16.8)	2.125 (53.98)	2.53 (64.3)	1	9.09	8.64	8.21	7.80
92-2VB3	2VB3	B	0.96 (24.4)	1.82 (46.2)	0.66 (16.8)	2.125 (53.98)	2.53 (64.3)	2	9.93	9.22	8.75	8.04
92-3VB3	3VB3	B	1.32 (33.5)	1.82 (46.2)	0.78 (19.8)	2.125 (53.98)	2.53 (64.3)	3	10.49	9.97	9.47	9.00
92-5VB3	5VB3	B	1.32 (33.5)	1.82 (46.2)	0.78 (19.8)	2.125 (53.98)	2.53 (64.3)	5	9.65	9.17	8.71	8.27
92-30VB6	30VB6	C	5.34 (135.6)	3.38 (85.9)	1.53 (38.9)	3.750 (95.30)	4.20 (106.7)	30	31.99	30.39	28.87	27.43

SERIES FILTERS

to 20 Amps; 120/250 Volts AC; 50-60 Hz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Dimensions In. (mm)					Amps	Price Each			
			A	B	C	D	E		1	10	25	50
92-1VK1	1VK1	A	3.10 (78.7)	2.07 (52.6)	0.91 (23.1)	2.375 (60.33)	2.81 (71.4)	1	11.39	10.82	10.28	9.77
92-2VK1	2VK1	A	3.10 (78.7)	2.07 (52.6)	0.91 (23.1)	2.375 (60.33)	2.81 (71.4)	2	9.79	9.30	8.84	8.40
92-5VK1	5VK1	A	3.10 (78.7)	2.07 (52.6)	0.91 (23.1)	2.375 (60.33)	2.81 (71.4)	5	11.99	11.13	10.56	9.71
92-2VK3	2VK3	B	1.81 (46.0)	2.07 (52.6)	0.91 (23.1)	2.375 (60.33)	2.81 (71.4)	2	11.79	11.20	10.64	10.11
92-3VK3	3VK3	B	1.81 (46.0)	2.07 (52.6)	1.16 (29.5)	2.375 (60.33)	2.81 (71.4)	3	13.39	12.72	12.08	11.48
92-5VK3	5VK3	B	1.81 (46.0)	2.07 (52.6)	1.16 (29.5)	2.375 (60.33)	2.81 (71.4)	5	12.49	11.87	11.28	10.72
92-10VK1	10VK1	A	3.35 (85.1)	2.07 (52.6)	1.16 (29.5)	2.375 (60.33)	2.81 (71.4)	10	10.49	9.97	9.47	9.00
92-20VK1	20VK1	A	3.35 (85.1)	2.56 (65.0)	1.53 (38.9)	2.938 (74.63)	3.35 (85.1)	20	15.89	15.10	14.35	13.63
92-20VK6	20VK6	C	3.46 (87.9)	2.56 (65.0)	1.53 (38.9)	2.938 (74.63)	3.35 (85.1)	20	18.49	17.57	16.69	15.86

SERIES FILTERS

to 20 Amps; 120/250 Volts AC; 50-60 Hz

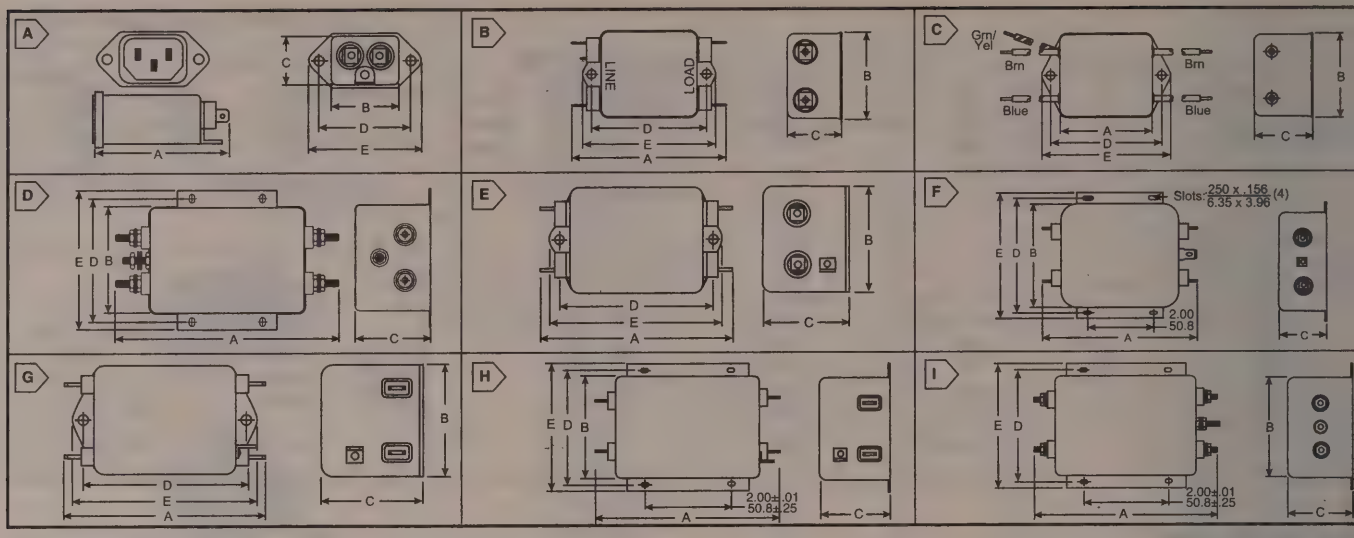
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Dimensions In. (mm)					Amps	Price Each			
			A	B	C	D	E		1	10	25	50
92-1VR1	1VR1	D	3.35 (85.1)	1.81 (46.0)	1.16 (29.5)	2.375 (60.33)	2.78 (70.6)	1	17.29	16.43	15.61	14.83
92-2VR1	2VR1	D	3.35 (85.1)	1.81 (46.0)	1.16 (29.5)	2.375 (60.33)	2.78 (70.6)	2	11.99	11.39	10.82	10.28
92-3VR1	3VR1	D	3.35 (97.8)	2.07 (52.6)	1.16 (29.5)	2.938 (74.63)	3.35 (85.1)	3	15.20	14.44	13.72	13.03
92-5VR1	5VR1	D	3.35 (97.8)	2.07 (52.6)	1.16 (29.5)	2.938 (74.63)	3.35 (85.1)	5	14.29	13.58	12.90	12.26
92-10VR1	10VR1	D	3.35 (97.8)	2.07 (52.6)	1.53 (38.9)	2.938 (74.63)	3.35 (85.1)	10	12.79	12.15	11.54	10.96
92-20VR1	20VR1	D	5.23 (132.8)	3.37 (85.6)	1.53 (38.9)	3.750 (95.25)	4.20 (106.7)	20	30.99	29.44	27.97	26.57
92-20VR6	20VR6	C	5.34 (135.6)	3.37 (85.6)	1.53 (38.9)	3.750 (95.25)	4.20 (106.7)	20	31.99	30.39	28.87	27.43

SERIES FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Dimensions In. (mm)					Price Each			
			A	B	C	D	E	1	10	25	50
2-3VQ1	3VQ1	D	3.85 (97.8)	2.07 (52.6)	1.78 (45.2)	2.938 (74.63)	3.34 (84.8)	31.99	30.39	28.87	27.43
2-6EQ3	6EQ3	E	3.69 (93.7)	2.27 (57.7)	1.80 (45.7)	4.063 (103.2)	4.47 (113.5)	52.99	50.34	47.82	45.43
2-20VQ1	20VQ1	D	6.66 (168.1)	2.07 (52.6)	2.28 (57.9)	5.625 (142.9)	6.03 (153.2)	65.99	62.69	59.56	56.58
2-20EQ1	20EQ1	D	6.66 (168.1)	2.07 (52.6)	2.28 (57.9)	5.625 (142.9)	6.00 (153.2)	61.10	58.05	55.15	52.39



EC SERIES FILTERS

High Performance Compact RFI Power Line Filters with IEC Connectors

- 3 to 10 Amps; 120/250 Volts AC; 50/60 Hz

For quantities of 100 and up, call for quo

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions In. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-3EC1	3EC1	A	3	2.62 (66.5)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	16.49	15.31	14.52	13.35
592-6EC1	6EC1	A	6	2.62 (66.5)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	16.49	15.31	14.52	13.35
592-10EC1	10EC1	A	10	2.62 (66.5)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	17.37	16.13	15.30	14.06

EMC SERIES FILTERS

Compact Dual Stage RFI Power Line Filters

- 6 to 30 Amps; 120/250 Volts AC; 50/60 Hz

For quantities of 100 and up, call for quo

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions In. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-6EMC1	6EMC1	B	6	3.85 (97.8)	2.07 (52.6)	1.16 (29.5)	2.938 (74.6)	3.35 (85.1)	18.02	16.73	15.87	14.59
592-10EMC1	10EMC1	B	10	3.85 (97.8)	2.07 (52.6)	1.53 (38.91)	2.938 (74.6)	3.35 (85.1)	16.11	14.96	14.19	13.04
592-15EMC1	15EMC1	B	15	4.97 (126.2)	2.25 (57.2)	1.78 (45.2)	4.063 (103.2)	4.46 (113.3)	31.67	29.41	27.90	25.64
592-20EMC1	20EMC1	B	20	4.97 (126.2)	2.25 (57.2)	1.78 (45.2)	4.063 (103.2)	4.46 (113.3)	35.47	32.94	31.25	28.71
592-6EMC3	6EMC3	C	6	2.56 (65.0)	2.07 (52.6)	1.16 (29.5)	2.938 (74.6)	3.35 (85.1)	18.02	16.73	15.87	14.59
592-10EMC3	10EMC3	C	10	2.56 (65.0)	2.07 (52.6)	1.53 (38.9)	2.938 (74.6)	3.35 (85.1)	16.11	14.96	14.19	13.04
592-15EMC3	15EMC3	C	15	3.69 (93.7)	2.25 (57.2)	1.78 (45.2)	4.063 (103.2)	4.47 (113.5)	31.67	29.41	27.90	25.64
592-30EMC6	30EMC6	D	20	6.05 (153.7)	3.12 (79.12)	2.18 (55.4)	3.50 (88.9)	3.96 (100.6)	46.66	43.33	41.11	37.77

S SERIES FILTERS

Multipurpose Power Line RFI Filter for Emission Control

- 3 to 20 Amps; 120/250 Volts AC; 50/60 Hz

For quantities of 100 and up, call for quo

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions In. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-6VS1	6VS1	E	6	3.86 (98.0)	2.08 (52.8)	1.53 (38.9)	2.938 (74.63)	3.34 (84.8)	28.75	24.55	23.32	22.15
592-10VS1	10VS1	E	10	3.86 (98.0)	2.08 (52.8)	1.53 (38.9)	2.938 (74.63)	3.34 (84.8)	26.19	24.32	23.07	21.20
592-20VS1	20VS1	F	20	5.23 (132.8)	3.38 (85.9)	1.53 (38.9)	3.75 (95.25)	4.20 (106.7)	57.90	53.76	51.00	46.87

T SERIES FILTERS

High Performance RFI Power Line Filters for Switching Power Supplies

- 6 to 20 Amps; 120/250 Volts AC; 50/60 Hz

For quantities of 100 and up, call for quo

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions In. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-6ET1	6ET1	G	6	3.56 (90.4)	2.15 (54.6)	1.81 (46.0)	2.938 (74.63	3.38 (85.9)	34.15	31.71	30.08	27.64
592-10VT1	10VT1	G	10	4.69 (119.1)	2.27 (57.7)	1.80 (45.7)	4.063 (103.2)	4.47 (113.5)	49.35	45.83	43.48	39.95
592-15VT1	15VT1	H	15	5.45 (138.4)	3.12 (79.2)	2.18 (55.4)	3.500 (88.9)	3.96 (100.6)	64.91	60.27	57.18	52.55
592-20VT1	20VT1	H	20	5.45 (138.4)	3.12 (79.2)	2.18 (55.4)	3.500 (88.9)	3.96 (100.6)	70.63	65.92	62.76	57.11
592-15ET6	15ET6	I	15	5.95 (151.1)	3.12 (79.2)	2.18 (55.4)	3.500 (88.9)	3.96 (100.6)	68.19	63.62	60.07	55.20
592-15VT6	15VT6	I	15	5.95 (151.1)	3.12 (79.2)	2.18 (55.4)	3.500 (88.9)	3.96 (100.6)	68.19	63.62	60.07	55.20

V AND W SERIES

Multipurpose Power Line RFI Filters for Emission Control and High-Noise Industrial Environments

- 6 to 20 Amps; 120/250 Volts AC; 50/60 Hz

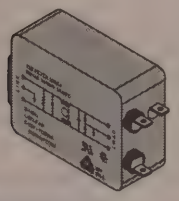
For quantities of 100 and up, call for quo

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions In. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-3VW1	3VW1	E	3	3.36 (85.3)	1.82 (46.2)	1.28 (32.5)	2.375 (60.33)	2.78 (70.6)	26.48	24.59	23.33	21.44
592-6VW1	6VW1	E	6	3.86 (98.0)	2.08 (52.8)	1.53 (38.9)	2.938 (74.63)	3.34 (84.8)	21.99	20.89	19.85	18.86
592-10VV1	10VV1	E	10	3.86 (98.0)	2.08 (52.8)	1.53 (38.9)	2.938 (74.63)	3.34 (84.8)	28.35	26.33	24.98	22.95
592-10VW1	10VW1	E	10	3.86 (98.0)	2.08 (52.8)	1.53 (38.9)	2.938 (74.63)	3.34 (84.8)	25.25	23.99	22.79	21.65
592-20VW1	20VW1	F	20	5.23 (132.8)	3.38 (85.9)	1.53 (38.9)	3.75 (95.25)	4.20 (106.7)	61.93	57.51	54.56	50.13

RFI Power Filters

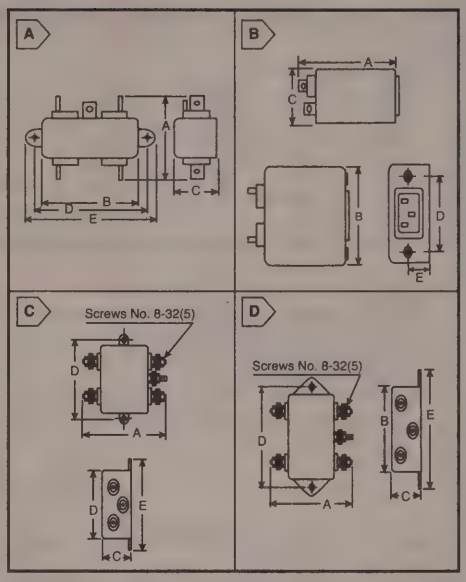
:OBICONN POWER FILTERS

1A Series



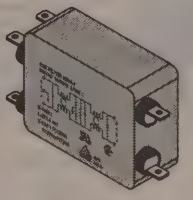
pecifications:
Rated voltage: 115/250 VAC
Power line frequency: 50/60 Hz
Rated current: 1, 2, 3, 5, 10 and 20 amps
Maximum leakage current: line-to-ground
@ 115 VAC 60 Hz 0.5 mA
@ 250 VAC 50 Hz 1.0 mA
Test voltage: line-to-ground: 2250 VDC, one minute
line-to-line: 1450 VDC, one minute

Applications:
- Computer and peripherals equipment
- Digital precision instruments
- Data processing equipment
- Switching power supplies
- Other electronic equipment



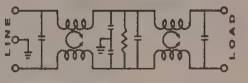
MOUSER STOCK NO.	Fig.	Rated Current (Amps)	Case Dim. (mm)			Mounting Dim. (mm)		Price Each				
			A	B	C	D	E	1	10	25	50	100+
437-20BA1	A	20	82.0	65.0	38.8	85.1	74.7	11.18	8.60	8.19	7.80	Call for Quote
437-01BA4	B	1	81.4	57.2	32.4	16.0	40.1	8.60	6.62	6.30	6.00	
437-02BA4	B	2	81.4	57.2	32.4	16.0	40.1	8.64	6.65	6.33	6.03	
437-03BA4	B	3	81.4	57.2	32.4	16.0	40.1	9.20	7.07	6.74	6.42	
437-05BA4	B	5	81.4	57.2	32.4	16.0	40.1	9.96	7.66	7.30	6.95	
437-10BA4	B	10	92.5	57.2	32.4	16.0	40.1	9.96	7.66	7.30	6.95	
437-10BA6	C	10	87.9	52.4	29.4	71.3	60.4	9.96	7.66	7.30	6.95	
437-20BA7	D	20	87.9	65.0	38.8	85.1	74.7	12.27	9.44	8.99	8.56	

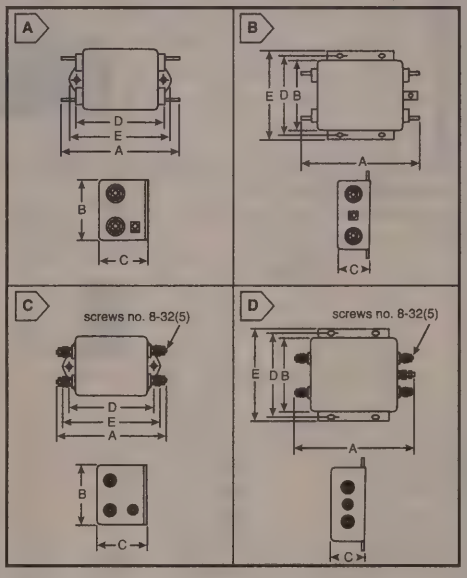
:A Series



pecifications:
Rated voltage: 115/250 VAC
Power line frequency: 50/60 Hz
Rated current: 1, 2, 3, 5, 10 and 20 amps
Maximum leakage current: line-to-ground
@ 115 VAC 60 Hz 0.5 mA
@ 250 VAC 50 Hz 1.0 mA
Test voltage: line-to-ground: 2250 VDC, one minute
line-to-line: 1450 VDC, one minute
Typical insertion loss (dB): line-to-ground in 50 ohm system

Applications:
- Computers and peripheral equipment
- Digital precision instruments
- Data processing equipment
- Switching power supplies
- Other electronic equipment





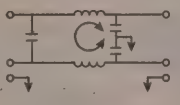
MOUSER STOCK NO.	Fig.	Rated Current (Amps)	Case Dim. (mm)			Mounting Dim. (mm)		Price Each				
			A	B	C	D	E	1	10	25	50	100+
437-01CA1	A	1	82.0	45.9	29.4	70.6	60.4	9.96	7.66	7.30	6.95	Call for Quote
437-02CA1	A	2	82.0	45.9	29.4	70.6	60.4	9.96	7.66	7.30	6.95	
437-03CA1	C	3	94.7	52.4	29.4	85.1	74.7	9.96	7.66	7.30	6.95	
437-05CA1	A	5	94.7	52.4	29.4	85.1	74.7	9.96	7.66	7.30	6.95	
437-10CA1	A	10	94.7	52.4	38.8	85.1	74.7	11.18	8.60	8.19	7.80	
437-10CA4	C	10	100.6	52.4	38.8	85.1	74.7	11.49	8.84	8.42	8.02	
437-20CA5	B	20	129.7	85.6	38.8	106.7	95.3	17.06	13.12	12.50	11.90	
437-20CA6	D	20	135.6	85.6	38.8	106.7	95.3	17.06	13.12	12.50	11.90	

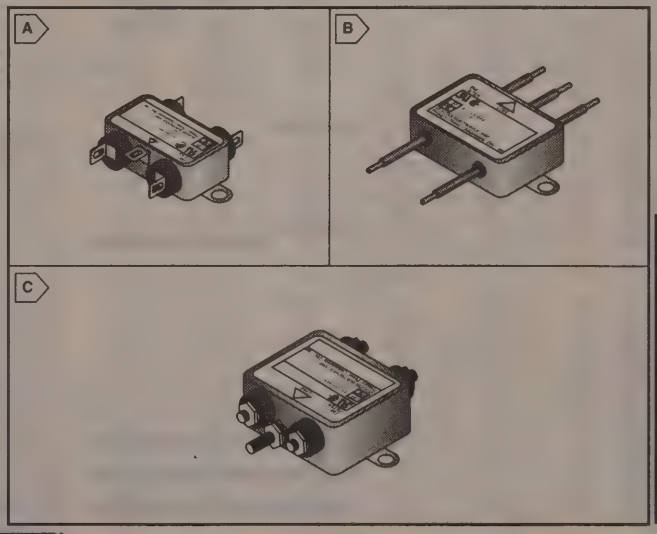
ualtek ELECTRONICS CORPORATION

GENERAL PURPOSE COMMON MODE FILTERS

esigned to economically suppress line-to-ground interference and built to meet or exceed most international safety gency standards and requirements.

pecifications:
Maximum leakage current each line-to-ground @ 115VAC 60Hz: .25mA
@ 250VAC 50Hz: .45mA
Rated voltage: 115/250/VAC
Hipot rating (one minute) line-to-ground: 2250VDC; line-to-line: 1450VDC
Operating frequency: 50-60Hz



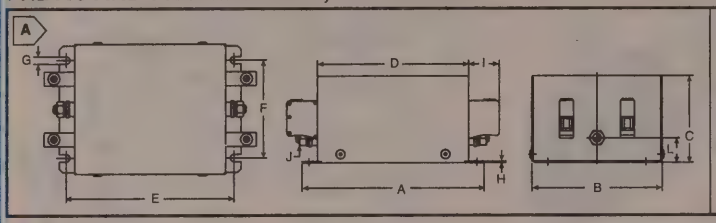


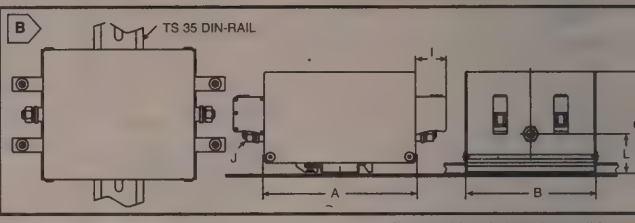
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Induct-ance	Rated Current @ 250VAC	Dimensions (IN)			Price Each		
					H	L	W	1	25	50
562-851-02/1	851-02/001	A	1.1mH	2A	.65	2.54	2.15	5.29	4.96	4.80
562-851-03/3	851-03/003	A	2.8mH	3A	.77	2.50	2.54	6.44	6.03	5.84
562-851-03/4	851-03/004	B	2.8mH	3A	.77	2.50	1.33	6.07	5.69	5.50
562-851-05/5	851-05/005	A	2.9mH	5A	.77	2.50	2.54	5.95	5.57	5.39
562-851-05/6	851-05/006	B	2.9mH	5A	.77	2.50	1.33	6.50	6.10	5.89
562-851-10/7	851-10/007	A	1.5mH	10A	1.18	2.50	2.54	7.69	7.21	6.96
562-851-10/9	851-10/009	C	1.5mH	10A	1.18	2.77	3.10	10.35	9.70	9.38
562-851-20/11	851-20/011	C	0.7mH	20A	1.15	2.77	3.37	11.42	10.71	10.35

SCHAFFNER Power Filters

FN2410 AND FN2412 SERIES, SINGLE AND TWO-PHASE EMC/RFI FILTERS





Specifications:

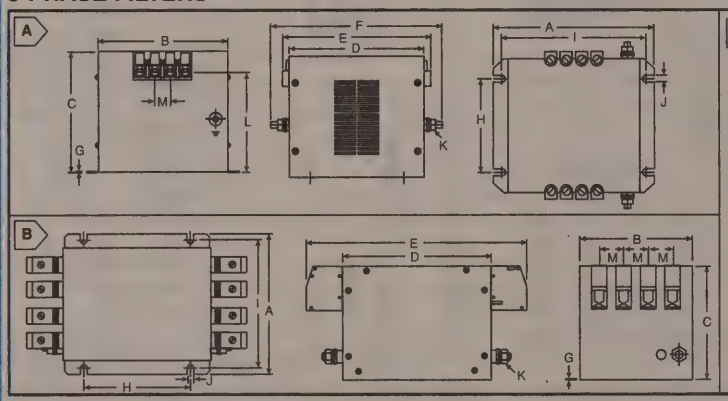
- Excellent filter performance for applications with high interference levels
- FN2410 filters are designed for chassis mounting
- FN2412 filters can be snapped into TS 35 DIN rails
- "H" versions are ideally suitable for an operation on two phases in a three-phase power network
- Maximum continuous operating voltage: FN2410/FN2412: 1 x 250VAC
  FN2410H/FN2412H: 2 x 520VAC
- Maximum leakage current: 3.4mA @ 230VAC/50Hz

DIMENSIONS mm	FN2410 (H)			FN2412 (H)	
	8A/16A	25A-45A	60A-100A	8A/16A	25-45A
A	130	130	165	110	110
B	93	93	115	93	93
C	62	76	100	73	87
D	108	108	140		
E	120	120	155		
F	70	70	90		
G	5.3	5.3	5.3		
H	1.0	1.0	1.2		
I	22	25	39	22	25
J	M6	M6	M8	M6	M6
L	17.5	31.5	39.2	28.5	42.5

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Current Rating @ 50°C (40°C)	Power Loss @ 230VAC/50Hz	Price Each 1	25	50	10
631-FN2410-8/44	FN2410-8/44	A	8A (8.8A)	2.6W	45.39	40.62	35.84	31.
631-FN2410-16/44	FN2410-16/44	A	16A (17.5A)	3.5W	52.58	47.05	41.51	35.
631-FN2410-25/33	FN2410-25/33	A	25A (27.4A)	5.5W	61.11	54.68	48.25	41.
631-FN2410-32/33	FN2410-32/33	A	32A (35.0A)	5.6W	67.17	60.10	53.03	45.
631-FN2410-45/33	FN2410-45/33	A	45A (49.3A)	7.4W	68.30	61.11	53.92	46.
631-FN2410-60/34	FN2410-60/34	A	60A (65.7A)	5.5W	142.29	127.31	112.33	97.
631-FN2410-80/-34	FN2410-80/34	A	80A (87.6A)	9.9W	142.29	127.31	112.33	97.
631-FN2410-100/34	FN2410-100/34	A	100A (109.5A)	15.4W	146.43	131.01	115.60	100.
631-FN2412-8/44	FN2412/8/44	B	8A (8.8A)	2.6W	54.55	48.81	43.07	37.
631-FN2412-16/44	FN2412/16/44	B	16A (17.5A)	3.5W	61.45	54.98	48.51	42.
631-FN2412-25/33	FN2412/25/33	B	25A (27.4A)	5.5W	69.05	61.78	54.52	47.
631-FN2412-32/33	FN2412/32/33	B	32A (35.0A)	5.6W	75.37	67.43	59.50	51.
631-FN2412-45/33	FN2412/45/33	B	45A (49.3A)	7.4W	76.66	68.59	60.52	52.
631-FN2410H-8/44	FN2410H-8/44	A	8A (8.8A)	2.6W	55.84	49.97	44.09	38.
631-FN2410H-16/44	FN2410H-16/44	A	16A (17.5A)	3.5W	62.99	56.36	49.73	43.
631-FN2410H-25/33	FN2410H-25/33	A	25A (27.4A)	5.5W	72.40	64.78	57.16	49.
631-FN2410H-32/33	FN2410H-32/33	A	32A (35.0A)	5.6W	77.96	69.75	61.55	53.
631-FN2410H-45/33	FN2410H-45/33	A	45A (49.3A)	7.4W	79.09	70.76	62.44	54.
631-FN2410H-60/34	FN2410H-60/34	A	60A (65.7A)	5.5W	168.12	150.42	132.73	115.
631-FN2410H-80/34	FN2410H-80/34	A	80A (87.6A)	9.9W	168.12	150.42	132.73	115.
631-FN2410H-100/34	FN2410H-100/34	A	100A (109.5A)	15.4W	168.12	150.42	132.73	115.
631-FN2412H-8/44	FN2412H-8/44	B	8A (8.8A)	2.6W	64.79	57.97	51.15	44.
631-FN2412H-16/44	FN2412H-16/44	B	16A (17.5A)	3.5W	71.73	64.18	56.63	49.
631-FN2412H-25/33	FN2412H-25/33	B	25A (27.4A)	5.5W	79.17	70.84	62.50	54.
631-FN2412H-32/33	FN2412H-32/33	B	32A (35.0A)	5.6W	85.52	76.52	67.52	58.
631-FN2412H-45/33	FN2412H-45/33	B	45A (49.3A)	7.4W	87.36	78.17	68.97	59.

3-PHASE FILTERS



DIMENSIONS mm	FN256				FN258	
	8A/16A	25A/36A	64A	80A	7A	16A
A	143	153	153	170	255	305
B	115	125	125	140	126 ± 0.8	142 ± 0.8
C	80	115	125	110	50	55
D	120	130	140	160	225 ± 0.8	275 ± 0.8
E	141.2	154.2	175	237	240	290
F	156	166	176		25	30
G	1	1	1.5	1.5	6.5	6.5
H	80	90	100	110	300	300
I	127.5	137.5	137.5	153.5	1 ± 0.1	1 ± 0.1
J	6.5	6.5	6.5	6.5	9	9
K	M6	M6	M6	M10	M5	M5
L	60.5	93	99.25		AWG 16	AWG 14
M	11.5	15	18	30		

DIMENSIONS mm	FN258					
	30A	42A	55A	75A	100A	130A
A	335	329	329	329	379 ± 1.5	439 ± 1.5
B	150 ± 1	185 ± 1	185 ± 1	220	220	240
C	60	70	80	80	90 ± 0.8	110 ± 0.8
D	305	300	300	300	350 ± 12	400 ± 1.2
E	320	314	314	314	364	414
F	35	45	55	55	65	80
G	6.5	6.5	6.5	6.5	6.5	6.5
H	400	500	500			
I	1 ± 0.1	1.5	1.5	1.5	1.5	3
J	9	12	12			
K	M5	M6	M6	M6	M10	M10
L	AWG 10	AWG8	AWG6			

FN256 SERIES Features:

- 8A to 80A current ratings
- High attenuation
- Low leakage current
- Compact dimensions
- Maximum operating voltage: 480VAC at 50°C
- Protection category: IP20
- Operating frequency: DC to 60Hz at 50°C

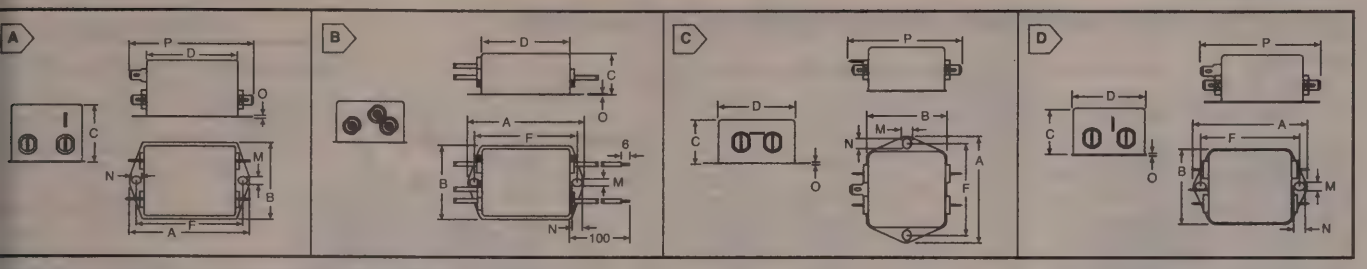
FN258 SERIES Features:

- 7A to 250A current ratings
- Slim book-style housing
- Designed for long cable lengths
- Maximum operating voltage: 480VAC at 50°C
- Protection category: IP20
- Operating frequency: DC to 60Hz at 50°C

For quantities of 200 and up, call for qu

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Current Rating @ 50°C (40°C)	Leakage Current	Power Loss	Price Each 25	50	10
FN256 Series								
631-FN256-8/46	FN256-8/46	A	8A (9.1A)	3.4mA	2.9W	149.00	124.00	113
631-FN256-16/46	FN256-16/46	A	16A (18.1A)	3.4mA	5.6W	151.00	126.00	114
631-FN256-25/47	FN256-25/47	A	25A (28.3A)	3.4mA	9.8W	204.00	170.00	154
631-FN256-36/47	FN256-36/47	A	36A (40.8A)	3.4mA	10.9W	222.00	185.00	168
631-FN256-64/52	FN256-64/52	A	64A (72.6A)	3.4mA	17.2W	308.00	257.00	233
631-FN256-80/34	FN256-80/34	B	80A (90.4A)	3.4mA	18.8W	454.00	378.00	343
FN258 Series								
631-FN258-7/07	FN258-7/07	C	7A (8A)	18.0mA	9W	348.00	290.00	263
631-FN258-16/07	FN258-16/07	C	16A (18A)	20.0mA	20W	357.00	297.00	270
631-FN258-16/29	FN258-16/29	D	16A (18A)	20.0mA	20W	366.00	305.00	277
631-FN258-30/07	FN258-30/07	C	30A (34A)	26.5mA	19W	373.00	311.00	282
631-FN258-30/33	FN258-30/33	D	30A (34A)	26.5mA	19W	380.00	317.00	287
631-FN258-42/07	FN258-42/07	C	42A (47A)	28.2mA	30W	380.00	317.00	287
631-FN258-42/33	FN258-42/33	D	42A (47A)	28.2mA	30W	380.00	317.00	287
631-FN258-55/07	FN258-55/07	C	55A (62A)	28.2mA	31W	398.00	332.00	301
631-FN258-55/34	FN258-55/34	D	55A (62A)	28.2mA	31W	486.00	405.00	368
631-FN258-75/34	FN258-75/34	D	75A (85A)	28.2mA	23W	596.00	497.00	451
631-FN258-100/35	FN258-100/35	D	100A (113A)	28.2mA	41W	627.00	522.00	474
631-FN258-130/35	FN258-130/35	D	130A (145A)	32.8mA	50W	684.00	570.00	517

MOUSER ELECTRONICS a tti company (800) 346-6873



SINGLE PHASE CHASSIS MOUNT FILTERS

Specifications:
- High differential and common mode attenuation
- UL-rated materials
- Max. Operating Voltage: 250VAC 50/60 Hz
- Temperature Range: -25°C - +100°C
- Max. Leakage@ 250VAC:
  - FN2310: 0.69mA
  - FN2330: 0.95mA
  - FN2340: 0.94mA
  - FN2350: 0.94mA

EN 133200
IEC60939

DIMENSIONS (mm)

	FN2310		FN2330		FN2340				FN2350			Tol. ±mm
	3A/6A	10A	3A	10A	2A	10A	20A	3A/5A	2A	3A/5A	10A	*
A	85	113.5±1	85	113.5±1	71	71	85	71	71	85	85	±0.5
B	54	57.5±1	54	57.5±1	46.6	50.5	54	46.6	46.6	54	54	±0.5
C	40.3	45.5±1.2	30.3	45.5±1	22.3	29.3	40	29.3	29.3	30.3	40.3	±0.5
D	64	94±1	64	94±1	50.5	50.5	64	50.5	50.5	64	64	±0.5
E	75	103.5	75	103.5	61	61	75	61	61	75	75	±0.3
F	5.3	4.4	5.3	4.4	5.3	5.3	5.3	5.3	5.3	5.3	5.3	±0.1
G	6.3	6	6.3	6	6.3	6.3	6.3	6.3	6.3	6.3	6.3	±0.1
H	0.7	1	0.7	1	0.7	0.7	0.7	0.7	0.7	0.7	0.7	±0.1
J	87	117		117	67.6	73.6	72	74	74	87	87	±1

Measurements share this common tolerance unless otherwise stated.

For quantities of 100 and up, call for quote.

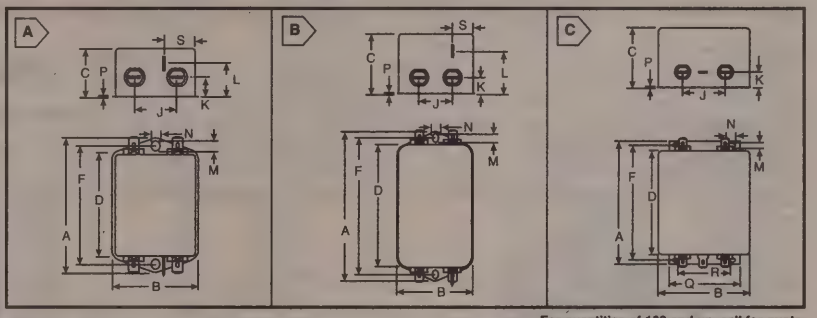
MOUSER STOCK NO.	Schaffner Part No.	Fig.	Connector Housing	Amps	Inductance L (mH)	Inductance L (µH)	Capacitance Cx (µF)	Capacitance Cy (nF)	Price Each 1	25	50
631-FN2310X-3/06	FN2310X-3/06	A	Fast-on	3	36.9	—	0.47	4	12.00	10.80	9.80
631-FN2310X-6/06	FN2310X-6/06	A	Fast-on	6	19.3	—	0.47	4	12.30	11.20	10.10
631-FN2310X-10/06	FN2310X-10/06	A	Fast-on	10	9.6	75	1.5	4	17.20	15.60	14.10
631-FN2330Y-3/07	FN2330Y-3/07	B	Wire Leads	3	7.3	—	0.33	5.5	10.60	9.60	8.70
631-FN2330Y-10/06	FN2330Y-10/06	A	Fast-on	10	7.3	—	0.33	5.5	16.60	15.10	13.60
631-FN2340Y-2/06	FN2340Y-2/06	C	Fast-on	2	0.52	—	0.1	5.5	6.20	5.60	5.10
631-FN2340Y-3/06	FN2340Y-3/06	D	Fast-on	3	1.7	—	0.1	5.5	6.70	6.00	5.50
631-FN2340Y-5/06	FN2340Y-5/06	D	Fast-on	5	0.54	—	0.1	5.5	6.80	6.10	5.60
631-FN2340Y-10/06	FN2340Y-10/06	C	Fast-on	10	0.54	—	0.1	5.5	7.30	6.60	6.00
631-FN2340Y-20/06	FN2340Y-20/06	C	Fast-on	20	0.43	—	0.1	5.5	9.10	8.20	7.40
631-FN2350Y-2/06	FN2350Y-2/06	D	Fast-on	2	0.52	0.52	0.1	5.5	8.40	7.60	6.90
631-FN2350Y-3/06	FN2350Y-3/06	D	Fast-on	3	1.7	1.7	0.1	5.5	9.40	8.50	7.70
631-FN2350Y-5/06	FN2350Y-5/06	D	Fast-on	5	0.54	0.54	0.1	5.5	10.70	9.70	8.80
631-FN2350Y-10/06	FN2350Y-10/06	A	Fast-on	10	0.54	0.54	0.1	5.5	10.60	9.70	8.70

MULTI-STAGE FILTERS

Specifications:
- Current ratings from 1 to 30A
- High differential and common mode attenuation
- Three choices of connector
- Optional safety versions (A types)
- Optional medical versions (B types)
- Maximum Operating Voltage: 250VAC 50/60 Hz

EN 133200

DIMENSIONS (mm)



With /07 connections; wire length of /07: 140±5 mm
Measurements share this common tolerance unless otherwise stated.

	FN2060					Tol.* ±mm
	1A/3A/6A	10A/12A	16A	20A	30A	
A	71	85	85	113.5±1	119	±0.5
B	46.6	54	54	57.5±1	85.5±1	±0.5
C	29.3	30.3	40.3	45.4±1.2	57.6±1	±0.5
D	50.5	64.8	64.8	94±1	98.5±1	±0.5
E	61	75	75	103	109	±0.3
F	21	27	27	25	40	±0.2
K	10.8/8.3§	12.3/8.3§	12.3/8.3§	12.4	15.6	±0.5
L	19.3	20.8/23.3	29.8	32.4		±0.5
M	5.3	5.3	5.3	4.4	4.4	±0.1
N	6.3	6.3	6.3	6	7.4	±0.1
P	0.7	0.7	0.7	0.9	1.2	±0.1
Q	20.1/30.5§	19.9/34.9§	11.4/34.9§	15.5		±0.5
R					66	±0.3
S					51	±0.2

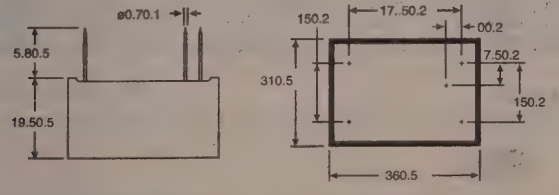
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Connector Housing	Amps	Inductance (mH)	Capacitance Cx (µF)	Capacitance Cy (nF)	Resistance (Ω)	Price Each 1	25	50
631-FN2060-1/06	FN2060-1/06	A	Fast-on	1	12	0.22	4.7	1	20.00	16.70	15.10
631-FN2060-3/06	FN2060-3/06	A	Fast-on	3	2.5	0.22	4.7	1	19.90	16.60	15.10
631-FN2060-6/06	FN2060-6/06	A	Fast-on	6	0.97	0.22	4.7	1	19.90	16.60	15.10
631-FN2060-10/06	FN2060-10/06	A	Fast-on	10	0.8	0.47	4.7	0.47	20.90	17.40	15.80
631-FN2060-12/06	FN2060-12/06	A	Fast-on	12	0.58	0.47	4.7	0.47	21.60	18.00	16.40
631-FN2060-16/06	FN2060-16/06	A	Fast-on	16	0.65	0.33	4.7	1	46.30	38.60	35.00
631-FN2060-20/06	FN2060-20/06	B	Fast-on	20	0.6	1	4.7	0.22	47.90	39.90	36.20
631-FN2060-30/08	FN2060-30/08	C	Stud Term	30	0.6	1	10	0.22	81.50	67.90	61.60

HORIZONTAL MOUNT PCB FILTER

Specifications:
- 0.5-10A current ratings
- PCB-mounting
- low profile

DIMENSIONS (mm)



For quantities of 100 and up, call for quote.

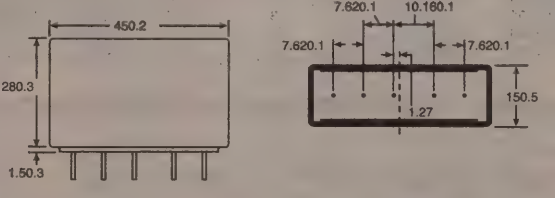
MOUSER STOCK NO.	Schaffner Part No.	Amps	Inductance (mH)	Capacitance Cx (uF)	Capacitance Cy (nF)	Price Each 1	25	50
631-FN405-1/02	FN405-1/02	1	10	0.015	2.2	9.60	8.00	7.30
631-FN405-3/02	FN405-3/02	3	2	0.015	2.2	9.30	7.70	7.00
631-FN405-6/02	FN405-6/02	6	0.8	0.015	2.2	9.30	7.70	7.00

VERTICAL MOUNT PCB FILTER

Specifications:
- 0.5-10A current ratings
- PCB-mounting
- low profile

DIMENSIONS (mm)

EN 133200
IEC60939



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Amps	Inductance (mH)	Capacitance Cx (uF)	Capacitance Cy (nF)	Price Each 1	25	50
631-FN406-0.5/02	FN406-0.5/02	0.5	24	0.1	2.2	9.90	8.20	7.50
631-FN406-1/02	FN406-1/02	1	12	0.1	2.2	9.90	8.20	7.50
631-FN406-3/02	FN406-3/02	3	2.5	0.1	2.2	9.90	8.20	7.50
631-FN406-6/02	FN406-6/02	6	0.78	0.1	2.2	9.90	8.20	7.50

SCHURTER FPP & FMAB SERIES 1-STAGE FILTERS FOR PCB MOUNTING

ELECTRONIC COMPONENTS

Specifications:

- Attenuation: Standard
- Case: FPP - Plastic UL94V-0; FMAB - Aluminum
- Rated voltage U_R (U_{max}): 125/250 VAC
- Protection Class I
- Inrush current: 1.5 X I_N @ 20° C

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	I_N (A)	L_N (mH)	Leakage Current	Co/C2 (X2) (µF)	C1 (Y2) (nF)	Price Each 1	10	25	50
FPP Series Standard Type											
693-5500.2014	5500.2014	A	0.5	2 x 40	<0.25mA	0.1	2.2	5.88	5.29	4.99	4.70
693-5500.2015	5500.2015	A	1.0	2 x 10	<0.25mA	0.1	2.2	5.88	5.29	4.99	4.70
693-5500.2016	5500.2016	A	1.6	2 x 6	<0.25mA	0.1	2.2	5.88	5.29	4.99	4.70
693-5500.2017	5500.2017	A	2.5	2 x 2	<0.25mA	0.1	2.2	5.88	5.29	4.99	4.70
693-5500.2018	5500.2018	A	4.0	2 x 1	<0.25mA	0.1	2.2	5.88	5.29	4.99	4.70
693-5500.2019	5500.2019	A	6.5	2 x 1	<0.25mA	0.1	2.2	5.88	5.29	4.99	4.70
FPP Series Medical Type											
693-5500.2127	5500.2127	A	0.5	2 x 40	< 5mA	0.1	-----	6.99	6.29	5.94	5.59
693-5500.2130	5500.2130	A	1.0	2 x 10	< 5mA	0.1	-----	6.99	6.29	5.94	5.59
693-5500.2131	5500.2131	A	1.6	2 x 6	< 5mA	0.1	-----	6.99	6.29	5.94	5.59
693-5500.2132	5500.2132	A	2.5	2 x 2	< 5mA	0.1	-----	6.99	6.29	5.94	5.59
693-5500.2133	5500.2133	A	4.0	2 x 1	< 5mA	0.1	-----	6.99	6.29	5.94	5.59
693-5500.2128	5500.2128	A	6.5	2 x 1	< 5mA	0.1	-----	6.99	6.29	5.94	5.59
FMAB Series Standard Type											
693-5500.2022	5500.2022	B	4.0	2 x 3.5	<0.5mA	0.1	4.7	19.85	17.87	16.87	15.88
693-5500.2023	5500.2023	B	6.0	2 x 3.5	<0.5mA	0.1	4.7	19.70	17.73	16.75	15.76
693-5500.2024	5500.2024	B	10.0	2 x 0.82	<0.5mA	0.1	4.7	19.37	17.43	16.46	15.49
693-5500.2025	5500.2025	B	16.0	2 x 0.65	<0.5mA	0.1	4.7	21.22	19.10	18.04	16.98
FMAB Series Medical Type											
693-5500.2106	5500.2106	B	2.0	2 x 8	< 5mA	0.1	-----	21.51	19.36	18.29	17.21
693-5500.2108	5500.2108	B	6.0	2 x 1.8	< 5mA	0.1	-----	21.77	19.59	18.50	17.42
693-5500.2109	5500.2109	B	10.0	2 x 0.82	< 5mA	0.1	-----	21.43	19.29	18.22	17.15
693-5500.2110	5500.2110	B	16.0	2 x 0.65	< 5mA	0.1	-----	21.54	20.96	19.79	18.63

SCHURTER FMLB & FMW2 SERIES 1-STAGE FILTERS FOR CHASSIS MOUNTING

ELECTRONIC COMPONENTS

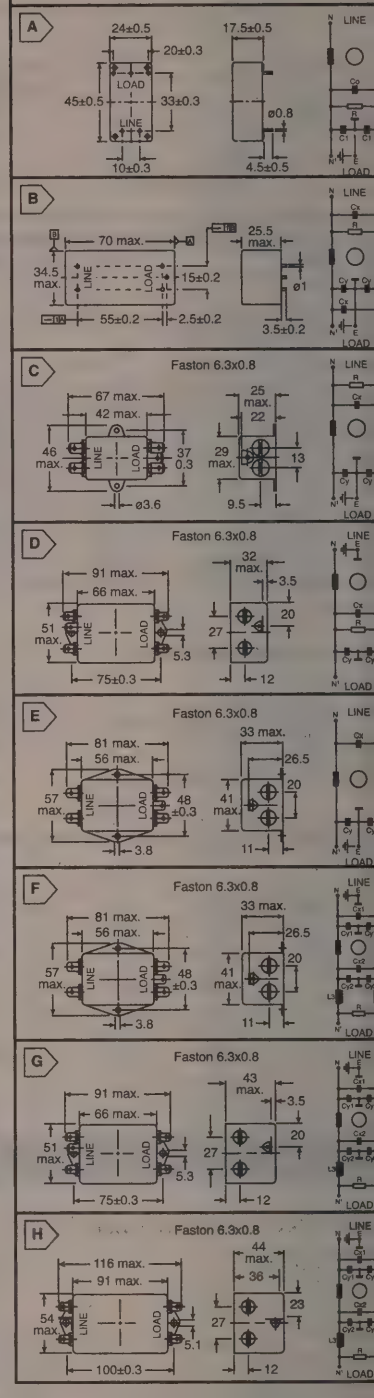
Specifications:

- Attenuation: Standard
- Rated voltage U_R (U_{max}): 125/250 VAC
- Protection Class I
- Inrush current: 1.5 X I_N @ 20° C

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	I_N (A)	L_N (mH)	Leakage Current	Cx (X2) (nF)	Cy (Y2) (nF)	Price Each 1	10	25	50
FMLB Standard Type											
693-5500.2026	5500.2026	C	1	2 x 10	<0.25mA	68	2.2	8.08	7.27	6.86	6.46
693-5500.2027	5500.2027	C	2	2 x 4	<0.25mA	68	2.2	8.08	7.27	6.86	6.46
693-5500.2028	5500.2028	C	4	2 x 1.5	<0.25mA	68	2.2	8.46	7.61	7.19	6.77
693-5500.2029	5500.2029	C	6	2 x 0.8	<0.25mA	68	2.2	8.51	7.66	7.24	6.81
693-5500.2030	5500.2030	C	10	2 x 0.3	<0.25mA	68	2.2	8.51	7.66	7.24	6.81
693-5500.2035	5500.2035	D	6	2 x 14	<0.35mA	100	3.3	21.64	19.47	18.39	17.31
693-5500.2036	5500.2036	D	10	2 x 5	<0.35mA	100	3.3	20.64	18.57	17.54	16.51
693-5500.2037	5500.2037	D	16	2 x 2	<0.35mA	100	3.3	19.77	17.79	16.80	15.81
693-5500.2038	5500.2038	D	20	2 x 1.5	<0.35mA	100	3.3	20.51	18.46	17.43	16.41
FMW2 Standard Type											
693-5500.2039	5500.2039	C	1	2 x 10	<0.25mA	15	2.2	9.58	8.62	8.14	7.66
693-5500.2040	5500.2040	C	3	2 x 2	<0.25mA	15	2.2	9.58	8.62	8.14	7.66
693-5500.2041	5500.2041	C	6	2 x 0.8	<0.25mA	15	2.2	9.58	8.62	8.14	7.66
693-5500.2042	5500.2042	C	10	2 x 0.4	<0.25mA	15	2.2	9.58	8.62	8.14	7.66
693-5500.2045	5500.2045	E	10	2 x 1	<0.25mA	68	2.2	16.30	14.67	13.85	13.04
693-5500.2046	5500.2046	E	10	2 x 1	<2.1mA	68	22	17.21	15.49	14.63	13.77
693-5500.2047	5500.2047	E	20	2 x 0.15	<2.1mA	68	22	17.58	15.82	14.94	14.06
FMLB Medical Type											
693-5500.2077	5500.2077	C	1	2 x 10	< 5mA	68	-----	9.81	8.83	8.34	7.85
693-5500.2078	5500.2078	C	2	2 x 4	< 5mA	68	-----	9.81	8.83	8.34	7.85
693-5500.2079	5500.2079	C	4	2 x 1.5	< 5mA	68	-----	10.20	9.18	8.67	8.16
693-5500.2080	5500.2080	C	6	2 x 0.8	< 5mA	68	-----	10.25	9.22	8.71	8.20
693-5500.2081	5500.2081	C	10	2 x 0.3	< 5mA	68	-----	10.25	9.22	8.71	8.20
693-5500.2082	5500.2082	D	6	2 x 14	< 5mA	100	-----	23.37	21.04	19.87	18.70
693-5500.2083	5500.2083	D	10	2 x 5	< 5mA	100	-----	22.37	20.14	19.02	17.90
693-5500.2084	5500.2084	D	16	2 x 2	< 5mA	100	-----	21.50	19.35	18.28	17.20
693-5500.2085	5500.2085	D	20	2 x 1.5	< 5mA	100	-----	22.25	20.02	18.91	17.80
FMW2 Medical Type											
693-5500.2098	5500.2098	C	1	2 x 10	< 5mA	15	-----	11.43	10.29	9.71	9.14
693-5500.2104	5500.2104	C	3	2 x 0.8	< 5mA	15	-----	11.43	10.29	9.71	9.14
693-5500.2100	5500.2100	C	6	2 x 0.4	< 5mA	15	-----	11.43	10.29	9.71	9.14
693-5500.2102	5500.2102	C	10	2 x 2	< 5mA	15	-----	11.43	10.29	9.71	9.14

DIMENSIONS (mm)



SCHURTER FSS2 SERIES 2-STAGE FILTERS FOR CHASSIS MOUNTING

ELECTRONIC COMPONENTS

Specifications:

- Attenuation: FSW2 - High; FSS2 - Medium/Widerange
- Rated voltage U_R (U_{max}): 125/250 VAC
- Protection Class I
- Inrush current: 1.5 X I_N @ 20° C

For quantities of 100 and up, call for quo

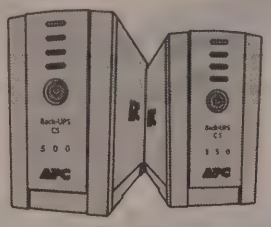
MOUSER STOCK NO.	Schurter Part No.	Fig.	I_N (A)	L1 (mH)	L2 (mH)	L3 (mH)	Leakage Current	Cx1 (µF)	Cx2 (µF)	Cy1 (nF)	Cy2 (nF)	Price Each 1	10	25	50
693-5500.2051	5500.2051	F	1	2 x15	1	-----	<0.25mA	0.1	0.47	1.5	1	17.58	15.82	14.94	14.06
693-5500.2052	5500.2052	F	2	2 x 10	0.4	0.4	<0.25mA	0.1	0.47	1.5	1	20.02	18.02	17.02	16.01
693-5500.2053	5500.2053	G	3	2 x 12	1	-----	<0.25mA	0.1	0.68	1.5	1	22.89	20.60	19.46	18.32
693-5500.2054	5500.2054	G	4	2 x 10	0.8	-----	< 1.4mA	0.1	0.68	10	4.7	23.74	21.37	20.18	18.99
693-5500.2055	5500.2055	G	6	2 x 6	0.5	-----	< 1.4mA	0.1	0.68	10	4.7	28.83	25.95	24.51	23.06
693-5500.2056	5500.2056	H	10	2 x 5	0.2	0.2	< 1.4mA	0.1	1	10	4.7	47.07	42.36	40.01	37.65

APC UPS Systems

APC BACK-UPS CS

Protection for Home and Office Computers

ix power outlets (3 battery backup and 3 surge protection only) and built-in fax/modem protection jacks DSL compatible) ensure protection from power surges, spikes and even lightning. File-saving, auto-shutdown oftware is also available via USB or RS-232 serial ports (RS-232 only for BK650MC). $150,000 Lifetime quipment Protection Policy and Data Recovery Warranty provided.



eatures:
- Unattended shutdown
- Status indicator LED's
- Resettable circuit breaker
- User replaceable batteries
- Audible alarms

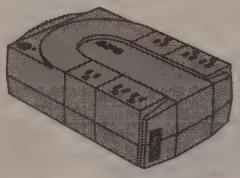
For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Input/Output Volts	Output Power Capacity	Backup Time Half/Full Load	Price Each
679-BK350	BK350	120V / 120V	350VA / 210W	23.7 min. / 6.6 min.	75.81
679-BK500	BK500	120V / 120V	500VA / 300W	12.1 min. / 5.7 min.	113.05

APC BACK-UPS ES

Affordable battery backup for home and office computers

hree battery backup and three surge suppression only outlets plus fax/modem protection. File-saving, uto-shutdown software is available via USB. $50,000 lifetime equipment protection policy.



eatures:
- Unattended shutdown
- Status indicator LED's
- Resettable circuit breaker
- User replaceable batteries
- Audible alarms
- USB compatible

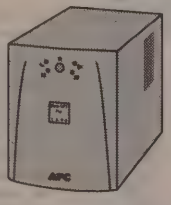
For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Input/Output Volts	Output Power Capacity	Backup Time Half/Full Load	Price Each
679-BE350U	BE350U	120V / 120V	350VA / 200W	8.1 min. / 1.6 min.	43.89
679-BE500U	BE500U	120V / 120V	500VA / 300W	11.4 min. / 1.4 min.	63.84
679-BE725BB	BE725BB	120V / 120V	725VA / 450W	11.8 min. / 3.3 min.	99.99

APC BACK-UPS PRO

Power Protection for Business Computers

his series uses Power Chute® plus power management software with WorkSafe® to save files and shut down ur computer safely in the event of an extended power failure. Three battery backup and three surge ppression only outlets plus telephone/DSL protection protect computer systems from damaging power surges.



eatures:
- Unattended shutdown
- Status indicator LED's
- Resettable circuit breaker
- User replaceable batteries
- Audible alarms
- Auto Voltage Regulation: corrects over voltages and under voltages without draining battery

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Input/Output Volts	Output Power Capacity	Backup Time Half/Full Load	Price Each
679-BP280S	BP280S	120V / 120V	280VA / 180W	23.1 min. / 6.7 min.	133.00

APC BACK-UPS RS

) to six battery backup outlets with automatic voltage regulation. Ethernet 10/100BaseT and telephone dataline rge protection safeguard network connections. PowerChute auto-shutdown software enables safe system utdown in the event of power loss.

eatures:
- $150,000 Lifetime Equipment Protection Policy
- USB interface port
- User replaceable batteries
- Audible alarms

For quantities of 2 and up, call for quote.

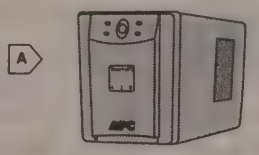
MOUSER STOCK NO.	APC Part No.	Input/Output Volts	Output Power Capacity	Backup Time Half/Full Load	Price Each
679-BR800	BR800	120V/115V	800VA/450W	17.6 min./5.3 min.	189.00
679-BR1000	BR1000	120V/115V	1000VA/600W	16.6 min./5.9 min.	249.00
679-BR1500	BR1500	120V/115V	1500VA/865W	12.4 min./3.7 min.	299.00

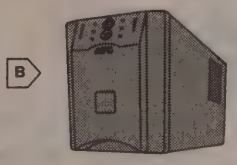
APC SMART - UPS

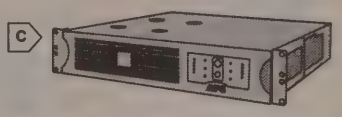
Performance Power Protection for Servers and Networks

Protects data by supplying network-grade battery backup when power fails. Power-Chute® plus software will safely store data and shut down network operating system before battery is fully discharged. Internal accessory slot allows installation of additional accessories to enhance performance of UPS (not available on SU420NET and SU620NET models).

Features:
- Unattended shutdown
- Status indicator LED's
- User replaceable batteries
- Automatic diagnostic testing
- Audible alarms





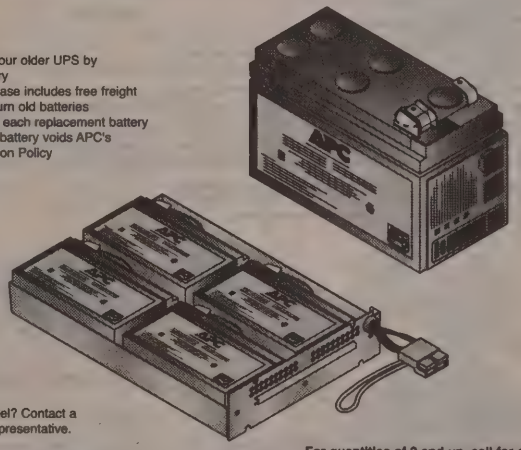


For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Fig.	Input/Output Volts	Output Power Capacity	Backup Time Half/Full Load	Price Each
679-SC420	SC420	A	120V / 120V	420VA / 260W	13.5 min. / 5.5 min.	119.99
679-SC620	SC620	A	120V / 120V	620VA / 390W	15.7 min. / 5.5 min.	179.99
679-SUA750	SUA750	A	120V / 120V	750VA / 500W	15.9 min. / 4.6 min.	291.27
679-SUA1000	SUA1000	B	120V / 120V	1000VA / 670W	20.6 min. / 6.1 min.	461.51
679-SUA1500	SUA1500	B	120V / 120V	1440VA / 980W	23.9 min. / 6.7 min.	563.92
Rack Mount - Rack Height 2U						
679-SUA750RM2U	SUA750RM2U	C	120V / 120V	750VA / 480W	16.6 min. / 5.5 min.	418.95
679-SUA1000RM2U	SUA1000RM2U	C	120V / 120V	1000VA / 670W	29.9 min. / 8.8 min.	557.27
679-SUA1500RM2U	SUA1500RM2U	C	120V / 120V	1440VA / 980W	26.5 min. / 7.4 min.	676.97

APC REPLACEMENT BATTERY CARTRIDGES

Features:
- Extend the life of your older UPS by replacing the battery
- Each battery purchase includes free freight back to APC to return old batteries
- 1-year warranty on each replacement battery
- Use of a non-APC battery voids APC's Equipment Protection Policy



*Can't find your model? Contact a Mouser Service Representative.

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Replaces batteries in models	Price Each
679-RBC1	RBC1	BK200B	40.00
679-RBC2	RBC2	BK200, BK250B, BK280B, BP280, BP280PNP, BP280C, BP280S, BK300, BK350, BK400, BK400B, BP420S, SU420NET, BK500, BE500U, BK500M	35.00
679-RBC3	RBC3	BK450, BK575C, BK600, BK600C, PCNET	52.00
679-RBC4	RBC4	BK650MC, BP650C, BP650PNP, BP650S, SU620NET	50.00
679-RBC5	RBC5	SU450, SU450NET, SU700, SU700NET	60.00
679-RBC6	RBC6	BP1000, SUVS1000, SU1000, SUA1000, SU1000NET	125.00
679-RBC7	RBC7	SU700XL, SU1000XL, BP1400, SU1400, SUA1500	145.00
679-RBC8	RBC8	SU1400RM, SU1400RMNET	155.00
679-RBC9	RBC9	SU700RM, SU700RMNET	70.00
679-RBC10	RBC10	BF250, BK280, BF280C, BF350	45.00
679-RBC11	RBC11	SU1400XLTNET, SU2200, SU2200RM, SU3000	275.00
679-RBC12	RBC12	SU2200RM3U, SU3000RM3U, NS300RM3U	290.00
679-RBC18	RBC18	PS250, PS450, BAY450	85.00
679-RBC21	RBC21	BF500	65.00
679-RBC22	RBC22	SU700RM2U, SUA750RM2U	150.00
679-RBC23	RBC23	SU1000RM2U, SUA1000RM2U	230.00
679-RBC24	RBC24	SU1400RM2U, SUA1500RM2U	270.00

APC Surge Protection and Power Conditioning

BASIC SURGE PROTECTORS

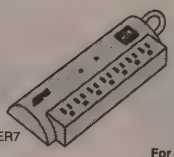
Basic surge protection at an affordable price

For quantities 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Number of Outlets	Description	Price Each
679-P7T	P7T	7	420 joules, data line protection, 6' cord, black	14.99
679-P7T10	P7T10	7	420 joules, data line protection, 10' cord, beige	19.99

SURGEARREST PERSONAL

Reliable surge protection for home or office computers and electronic equipment

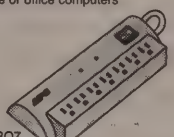


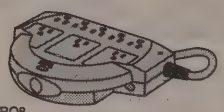
For quantities 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Number of Outlets	Description	Price Each
679-PER7	PER7	7	240 joules, beige	20.00
679-PER7T	PER7T	7	240 joules, data line protection, beige	26.80

SURGEARREST PROFESSIONAL

Reliable surge protection for home or office computers and electronic equipment



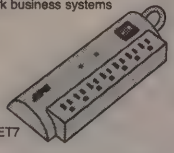


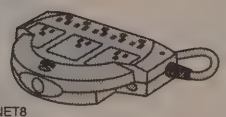
For quantities 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Number of Outlets	Description	Price Each
679-PRO7	PRO7	7	320 joules, beige	34.00
679-PRO7T	PRO7T	7	320 joules, data line protection, beige	43.20
679-PRO8	PRO8	8	320 joules, beige	38.40
679-PRO8T2	PRO8T2	8	320 joules, 2-line data line protection, beige	48.00
679-PRO8T2C	PRO8T2C	8	320 joules, 2-line data line protection, translucent	48.00
679-PRO8TV	PRO8TV	8	320 joules, data & co-axial line protection, beige	51.20

SURGEARREST NETWORK

Advanced surge protection for network business systems





For quantities 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Number of Outlets	Description	Price Each
679-NET3T	NET3T	3	480 joules, data line protection, beige	24.00
679-NET7	NET7	7	480 joules, beige	38.40
679-NET7T	NET7T	7	480 joules, data line protection, beige	51.20
679-NET8	NET8	8	480 joules, beige	43.20
679-NET8N	NET8N	8	480 joules, 10base-T token ring protection, beige	59.20

SURGEARREST RACK MOUNTABLE

Advanced power protection for rack-mounted equipment

For quantities 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Number of Outlets	Description	Price Each
679-NET9RM	NET9RM	9	480 joules, horizontal or vertical mount, beige	120.00

SURGEARREST NOTEBOOK

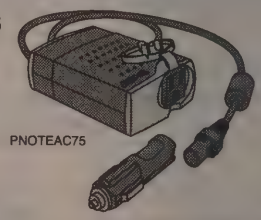
Reliable power protection for notebook computers, fax and answering machines

For quantities 2 and up, call for qu

MOUSER STOCK NO.	APC Part No.	No. of Out.	Description	Pric Eac
679-PNOTEPRO	PNOTEPRO	1	180 joules, data line protect.- laptop/power supply	38.4
679-PNOTEPRO3	PNOTEPRO3	1	180 joules, data line protect.- IEC 320-C6 output	38.4

DC TO AC INVERTERS

Portable, compact 75 to 350 Watt DC/AC power inverters for the mobile professional

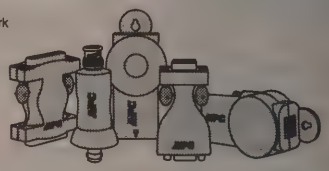


For quantities 2 and up, call for qu

MOUSER STOCK NO.	APC Part No.	Pwr.	No. of Out.	Description	Pric Eac
679-PNOTEAC75	PNOTEAC75	75W	1	120V output, airline/auto adap.	79.9
679-PNOTEAC140	PNOTEAC140	140W	1	120V output, auto lighter adap.	49.9
679-PNOTEAC350	PNOTEAC350	350W	2	120V output, auto lighter adap./batt. conn.	79.9

PROTECTNET DATA LINE PROTECTORS

Data line surge suppressors for comprehensive network and PC system protection



For quantities 2 and up, call for qu

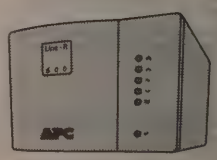
MOUSER STOCK NO.	APC Part No.	Description	Pric Eac
679-PNET1	PNET1	RJ45 10/100 Base-T Ethernet protection	25.6
679-PSP25	PSP25	DB25 data line protection	25.6
679-P10B2	P10B2	10Base2 protection, center shielded conductor	24.0
679-PTEL2	PTEL2	RJ45 modem/fax/DSL protection	24.0
679-PS9-DTE	PS9-DTE	RS232 9 Pin female to male serial data line protection	20.8
679-PS9-DCE	PS9-DCE	RS232 9 Pin male to female serial data line protection	20.8
679-PNET4	PNET4	4 port RJ45 10/100 Base-T or token ring protection	80.0
679-P232-4	P232-4	4 port RS232 RJ45 data line protection	80.0
679-PRM	PRM	Rack mount shelf	24.0
679-PV	PV	Cable modem/DSS cont. box/cable TV box/TV/VCR protect.	25.6
679-PDIGITEL	PDIGITEL	RJ45 ISDN/T1/digital telephone protection	25.6

LINE-R - HIGH PERFORMANCE POWER CONDITIONING

Sags and brownouts are the most common cause of data loss. Line-R automatically corrects brownouts and overvoltages by constantly regulating the incoming line voltage.

Features:

- Lightning and surge protection
- Automatic voltage regulation
- $25,000 Lifetime Equipment Protection Policy



For quantities 2 and up, call for quo

MOUSER STOCK NO.	APC Part No.	Output Power Capacity	Number of Outlets	Dimensions (H x W x D)	Pric Eac
679-LE600	LE600	600VA	4 NEMA 5-15R	4.55" x 8.43" x 5.55"	44.9
679-LE1200	LE1200	1200VA	4 NEMA 5-15R	4.55" x 8.43" x 5.55"	59.9

PHOENIX CONTACT Surge Protection Devices

PHOENIX CONTACT
INSPIRING INNOVATIONS

SURGE PROTECTION DEVICES FOR WIRELESS DATA, SIGNAL, AND MOBILE PHONE SYSTEMS

Features:
- The unit can be mounted directly to the coaxial cable, or attached to the bulkhead with the use of a mounting bracket.
- Uses a removable gas tube for easy replacement if direct lightning strike causes a failure.
- Impedance matching allows high transmission capabilities without signal attenuation or degradation.
- Metal housing provides superior shielding (EMI/RFI) properties for high-speed data interfaces.

497B 1604

For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	MCOV DC/AC	Price Each 1	5	10	25
651—	2818148	A	CN-UB-280DC-SB	For Coax Cables, Type N Male-BNC Female	280V / 195V	68.00	66.75	59.00	54.56
651—	2818850	A	CN-UB-280DC-BB	For Coax Cables, Type N Female-BNC Female	280V / 195V	68.00	66.75	59.00	54.56

SURGE PROTECTION DEVICES FOR TWO-WAY RADIO COMMUNICATION SYSTEMS

Features:
- Series devices are products designed for UHF frequencies.
- Available as series connected device with UHF or Type N connector.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	MCOV DC/AC	Price Each 1	5	10	25
651—	2782135	B	RF-TRAB	Transmit Cap 200 W Conn: UHF Fem/Fem	180V / 130V	90.00	85.00	80.00	77.00
*651—	2765084	B	RF-TRAB 500	Transmit Cap 800 W Conn: UHF Fem/Fem	375V / 265V	90.00	85.00	80.00	77.00
*651—	2782575	C	RF-TRAB-A1	Transmit Power 200 W Conn: UHF	180V / 130V	70.00	65.00	60.59	54.00

* Has CSA Approval

SURGE PROTECTION DEVICES FOR VIDEO SURVEILLANCE SYSTEMS

Features:
- C-UFB/E and CTNC-UFB/E have been specially designed to meet demands of video systems with isolated (floating) grounds.
- The protection circuits feature a hybrid circuit with fast acting silicon avalance diode arrays line to shield and high current handling gas discharge tube protection line to shield, line to ground, and shield to ground.
- C-UFB are for video systems with grounded shield connections. Protected circuit features a hybrid circuit with a fast acting silicon avalanche diode array and high current handling gas discharge tube protection circuit line to shield (ground).
- Degree of protection in acc. with IEC 60529/EN 60 529 IP 20, Test Standards: IEEE C62.36.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	MCOV DC/AC	Price Each 1	5	10	25+
651—	2782300	D	C-UFB- 5DC/E	Signal Voltage 5 V, BNC Female/Male, 50	5V DC	129.00	125.00	111.00	Call for Quote
651—	2782313	D	C-UFB-24DC/E	Signal Voltage 24 V, BNC Female/Male, 50	30V DC	129.00	125.00	111.00	
651—	2763604	D	C-UFB-5DC/E75	Signal Voltage 5 V, BNC Female/Male, 75	6.2V DC	129.00	125.00	111.00	
651—	2762087	D	CTNC-UFB-5DC/E	Signal Voltage 5 V, TNC Female/Male, 50	6V / 4V	176.00	170.00	152.00	
651—	2797858	D	C-UFB- 5DC	Signal Voltage 5 V, BNC Female/Male, 50	6V / 4V	150.00	145.00	129.00	
651—	2797861	D	C-UFB-24DC	Signal Voltage 24 V, BNC Female/Male, 50	30V / 21V	150.00	145.00	129.00	

SURGE PROTECTION DEVICES FOR ISDN AND T1 INTERFACES

Features:
- Hybrid circuit provides low clamping voltage with high surge current discharge capability.
- Metal housing provides superior shielding (EMI/RFI) properties for high-speed data interfaces.
- Special designs for high data transmission without attenuation.
- Degree of protection in acc. with IEC 60529/EN 60 529 IP 20, Test Standards: IEEE C62.36.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	MCOV DC/AC	Price Each 1	5	10	25+
651—	2748276	E	D-TR1/ISDNA/RJ45BB	Protect Adapt for ISDN S0 Bus, RJ45 Fem/Fem	6.2V / 50V	158.00	148.00	140.00	Call for Quote
651—	2858098	F	PT 2-ISDN NT-ST	Protection Plug for ISDN and T1 Interfaces	128V / 90V	91.00	86.00	80.00	
651—	2856113	F	PT 1x2-BE	Base For PT 2/ISDN NT-ST	128V/ 90V	36.90	35.00	31.00	
651—	2838050	G	D-DS1-A/RJ45-BB	Protect Adapt for T1/E1 Sys, RJ45 Fem/Fem	7V DC	154.48	145.32	140.00	

SURGE PROTECTION DEVICES FOR ANALOG PHONE LINES (POTS)

Features:
- Telecommunications protection with RJ12/RJ45 female connectors can be used internationally for the protection of analog telecom interfaces, such as, telephones, telefaxes, modems, and answering machines with a maximum operating voltage of 185 V.
- D-FM-A/RJ45-BB this product series is connected for analog phone lines (POTs). Hybrid silicon avalanche diode array and Gas Discharge Tube provides tight clamping voltage line to line on each signal pair and high surge current handling capacity line to line, line to shield, and shield to ground.
- MT-2FM-RJ12 is a DIN rail mount version of the D-FM-A/RJ45-BB. Ideal for RTU applications where phone lines are used for Telemetry. The IN and OUT connects can be made via screw clamp terminal blocks. The OUT side can be connected with RJ11 and RJ12 connectors. All 4 lines of interface are protected.
- Degree of protection in acc. with IEC 60529/EN 60 529 IP 20, Test Standards: IEEE C62.36.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	MCOV	Price Each 1	5	10	25+
651—	2818795	G	D-FM-A/RJ45-BB	Protect Adapt for Analog,RJ45 Fem/Fem	185V DC	139.00	134.00	125.00	Call for Quote
651—	2838937	H	MT-2FM-RJ12	Adapt for Rail Mounting On NS 35/7.5	185V DC	131.00	125.12	110.00	

SURGE PROTECTION FOR DATA NETWORKS / ETHERNET

Features:
- Metal housing improves shielding and overall performance.
- D-LAN 19" available in 4 to 24 port versions.
- Independent testing certifies low attenuation and interference requirements of CAT 5E cabling with 10/100 Base T Ethernet.
- All eight pins of the RJ45 connection are protected, ensuring complete protection independent of connector wiring.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Description	MCOV	Price Each 1	5+
651—	2858991	I	D-LAN-CAT.5E	Protect Adapt LAN Interface Incl. RJ45 Cable	7V DC	129.00	Call for Quote
651—	2859084	I	D-LAN-CAT.5E-U	Adapt LAN w/Universal DIN Rail Mount Foot	7V DC	120.00	
651—	2880176	J	D-LAN-19"-4	19" Rack with 4 Ethernet Ports	6V DC	500.00	
651—	2880163	J	D-LAN-19"-8	19" Rack with 8 Ethernet Ports	6V DC	765.00	
651—	2880150	J	D-LAN-19"-12	19" Rack with 12 Ethernet Ports	6V DC	1025.00	
651—	2880147	J	D-LAN-19"-16	19" Rack with 16 Ethernet Ports	6V DC	1290.00	
651—	2880134	J	D-LAN-19"-20	19" Rack with 20 Ethernet Ports	6V DC	1550.00	
651—	2838791	J	D-LAN-19"-24	19" Rack with 24 Ethernet Ports	6V DC	1820.00	
651—	2880192	---	D-LAN-19"-D-P	4 Port Replacement Unit for D-LAN 19"	6V DC	293.50	

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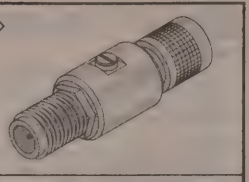

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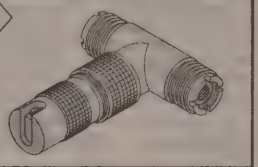

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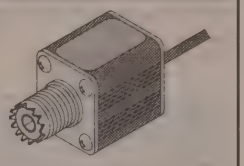

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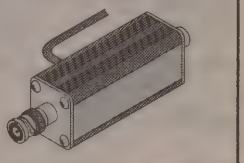

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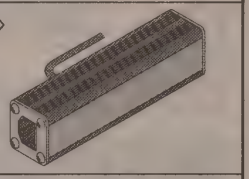

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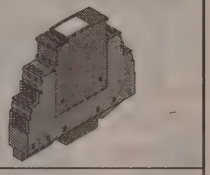

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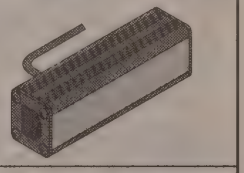

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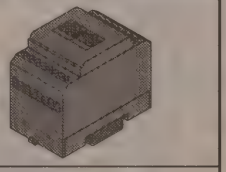

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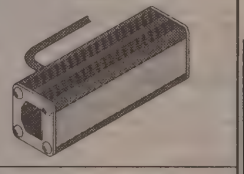

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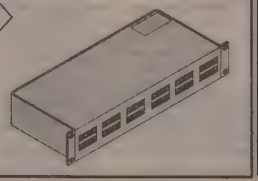


Phoenix Contact
Power Protection

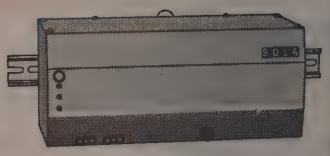
SOLA/HEVI-DUTY UPS and Surge Suppression

SDU OFF-LINE DIN RAIL UNINTERRUPTIBLE POWER SUPPLY

Features:
- Lightweight, compact industrial design
- Wide operation temperature range (0-50°C)
- Cold start capability
- Phone/dataline surge protection
- Software and cable included for easy installation
- RS232 Communication port (USB optional)
- Shipped Factory Direct

Approvals:
- **No derating required in UL508 applications**
- 120V models are UL1778 cULus recognized for industrial applications without derating
- 230V models are CE marked

NEW FROM SUPPLIER



✻ Full load

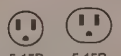
For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Capacity (VA/W)	Volts, Frequency In/Out	Typical Runtime✻	Input/Output Connections (all models)	Price Each
663-SDU500	SDU500	500/300	120 VAC, 50/60Hz	4 min.	IP20 touch proof,	249.00
663-SDU850	SDU850	850/510	120 VAC, 50/60Hz	2 min.	screw terminals	349.00
663-SDU500-5	SDU500-5	500/300	230 VAC, 50/60Hz	4 min.	Wire range:	299.00
663-SDU850-5	SDU850-5	850/510	230 VAC, 50/60Hz	2 min.	10 ~ 24 AWG	399.00

UL 1778 Ind. Appl. E178213

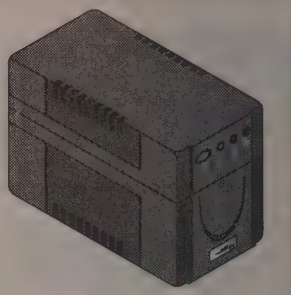
S1K OFF-LINE UNINTERRUPTIBLE POWER SYSTEMS

Economical protection from damaging impulses and power interruptions. Separate outlets for critical devices which need battery backup, and surge protected only outlets for non-critical devices.



Features:
- 115VAC, 50 or 60Hz In/Out
- Step sinewave output
- DB9 communications interface
- Auto Voltage Regulation on S1K320 and S1K520
- One year warranty

✻ Full/half load



For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Capacity (VA/W)	Input Plug/ Output Receptacle	Typical Runtime✻	Price Each
663-S1K320	S1K320	320/240	-----	10/20 min.	109.00
663-S1K520	S1K520	520/340	5-15P/5-15R	15/25 min.	129.00
663-S1K650	S1K650	650/390	(3) Battery	15/30 min.	216.00
663-S1K850	S1K850	850/600	(1) Surge	25/40 min.	304.00
663-S1K1200	S1K1200	1200/720	-----	30/45 min.	499.00

c UL us

S2K LINE INTERACTIVE UNINTERRUPTIBLE POWER SYSTEMS

Features:
- Data line protection for telephones or networks
- Modem or fax surge suppression
- Line interactive technology
- EMI/RFI filtering to FCC Class B
- Network interface capability for future upgrading
- Advanced microprocessor design improves reliability
- 50/60 Hz. rated
- User changeable batteries (hot swap)
- 120 volt models are cULus listed
- 230 volt models are TUV and CE marked
- Two year warranty

Applications:
- PC's, workstations, PLC's and computer peripherals

✻ Full/half load

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	VA/W	Typical Runtime ✻	Volts In/Out	Plugs/Receptacles	Price Each
663-S2K350	S2K350	350/210	8/26 min.	120/120	5-15P / (6) 5-15R	151.00
663-S2K500	S2K500	500/300	8/24 min.	120/120	5-15P / (6) 5-15R	243.00
663-S2K650	S2K650	650/390	5/16 min.	120/120	5-15P / (6) 5-15R	342.00
663-S2K1000	S2K1000	1000/600	5/16 min.	120/120	5-15P / (8) 5-15R	475.00

c UL us

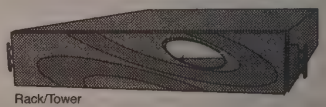
✻ Full/half load

S3K AND S3K2U LINE INTERACTIVE UNINTERRUPTIBLE POWER SYSTEMS

Features:
- Line interactive technology with automatic voltage regulation
- Advanced microprocessor design improves reliability
- EMI/RFI filtering to FCC, Part 15 and EN50091
- Rack/Tower (S3K2U) design includes hardware for rack or tower mounting
- Network interface capability for future upgrading
- User changeable batteries (hot swap)
- 120 volt models are cULus listed
- 230 volt models are CE marked
- Sine wave output
- 50/60 Hz. rated
- Two year warranty

Applications:
- Applications: PC's, fileservers, LAN equipment, retail POS equipment, telecommunications, modems

✻ Full/half load

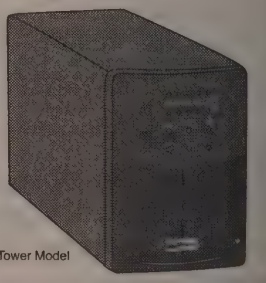


Rack/Tower

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	VA/W	Typical Runtime✻	Volts In/Out	Plugs/Receptacles	Price Each
Tower Model						
663-S3K700	S3K700	700/480	5/14 min.	120/120	5-15P / (4) 5-15R	515.00
663-S3K1000	S3K1000	1000/750	4/13 min.	120/120	5-15P / (4) 5-15R	715.00
663-S3K1600	S3K1600	1600/1200	3/10 min.	120/120	5-15P / (6) 5-15R	965.00
Rack/Tower Model						
663-S3K2U1000	S3K2U1000	1000/750	11/26 min.	120/120	5-15P/(8) 5-15R	869.00
663-S3K2U1440	S3K2U1440	1440/1080	5/16 min.	120/120	5-15P/(8) 5-15R	1069.00
663-S3K2U2200	S3K2U2200	2200/1650	5/16 min.	120/120	L5-30P/(6) 5-15R, (2) 5-20R	1699.00
663-S3K2U1000-5	S3K2U1000-5	1000/750	5/12 min.	230/230	EN60320/C14 / (8) EN60320/C13	899.00
663-S3K2U1440-5	S3K2U1440-5	1440/1080	11/26 min.	230/230	EN60320/C14 / (8) EN60320/C13	1099.00
663-S3K2U2200-5	S3K2U2200-5	2200/1650	5/12 min.	230/230	EN60320/C20 / (8) EN60320/C13, (1) EN60320/C19	1744.00

c UL us

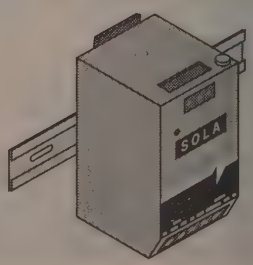


Tower Model

STV25K DIN RAIL SURGE SUPPRESSION

The STV25K DIN Rail series provides point-of-use protection, at the dedicated equipment level, against damaging transients. These devices provide 50,000 amps of surge protection, sinewave tracking, LED status indication and form "C" dry contacts. This DIN Rail series also provides protection on all electrical paths and comes with a standard ten year product warranty. The STV25K DIN Rail series surge suppressors are UL recognized to Standard 1449, 2nd Edition.

Features:
- Compact and narrow design maximizes panel space.
- Low clamping levels for more effective protection.
- Easy access terminal screws for quick mounting and installation.
- Ten year warranty
- 50,000 amps of surge protection.
- Sinewave tracking and all mode protection provide consistent and reliable protection on all electrical paths.
- Patented thermal fusing prevents MOV overheating caused by excessive current levels.



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Input Voltage	Max. Continuous Operating Voltage	Price Each 1	Price Each 5
663-STV25K-10S	STV25K-10S	120 VAC, 0-135 VRMS	120 VAC - 150 VRMS	174.07	170.59
663-STV25K-24S	STV25K-24S	240 VAC, 0-260 VRMS	240 VAC - 275 VRMS	180.25	176.65

Sola/Hevi-Duty

Power Protection

MCR & MPC PORTABLE SERIES - POWER LINE CONDITIONING WITH VOLTAGE REGULATION

The MCR and MPC provide excellent noise filtering and surge protection to protect connected equipment from damage, degradation or misoperation. Combined with the excellent voltage regulation inherent to Sola/Hevi-Duty's patented ferroresonant design, they can increase the actual Mean Time Before Failure (MTBF) of protected equipment.

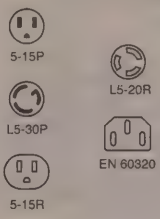
These units are a perfect choice where dirty power caused by impulses, swell, sags, brownouts and waveform distortion can lead to costly downtime because of damaged equipment.

Features:

- ±3% output voltage regulation.
- Noise attenuation
- 120dB common mode
- 60 dB transverse mode
- Harmonic filtering
- Galvanic isolation
- Surge suppression tested to ANSI/IEEE C63.41 Class A & B Waveform: <10 V let through typical
- Galvanic isolation provides exceptional circuit protection.
- Point-of-use Protection (cord & plug connected)
- Easy & Flexible Installation.
- 25 year typical MTBF.
- No maintenance required.

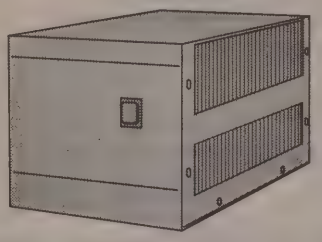
Applications:

- Computers/ Printers
- POS terminals
- Laboratory equipment
- Telephone/FAX systems
- Security systems
- LAN networks



For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	VA	Voltage Input/Output	Dimensions (In.) H	W	D	Weight (lbs.)	Receptacle (No.)/ Type (NEMA)	Plug (NEMA)	Price Each
Group A – MCR Portable Series, 60 Hz										
663-63-13-070-6	63-13-070-6	70	120	6	7	9	18	(4) 5-15R	5-15P	241.45
663-63-13-115-6	63-13-115-6	150	120	6	7	9	21	(4) 5-15R	5-15P	393.95
663-63-13-125-6	63-13-125-6	250	120	6	7	9	26	(4) 5-15R	5-15P	530.56
663-63-13-150-6	63-13-150-6	500	120	9	9	16	32	(4) 5-15R	5-15P	733.89
663-63-13-175-6	63-13-175-6	750	120	9	9	16	64	(4) 5-15R	5-15P	935.10
663-63-13-210-6	63-13-210-6	1000	120	9	9	16	69	(4) 5-15R	5-15P	1079.12
663-63-13-215-6	63-13-215-6	1500	120	11	11	17	95	(6) 5-15R	5-20P	1457.18
663-63-13-220-6	63-13-220-6	2000	120	11	11	17	115	(4) 5-15R, (1) L5-30R	L5-30P	1829.95
663-63-13-230-6	63-13-230-6	3000	120	11	11	17	143	(4) 5-15R, (1) L5-30R	5-50P	2557.49
Group B –MCR Portable Series, 50 Hz (±5% output voltage regulation)										
663-63-13-625-9	63-13-625-9	250	220 or 240	7	8	13	36	(2) IEC-320	3-wire pigtail	611.04
663-63-13-650-9	63-13-650-9	500	220 or 240	9	9	16	45	(4) IEC-320	3-wire pigtail	866.26
663-63-13-710-9	63-13-710-9	1000	220 or 240	9	9	16	54	(4) IEC-320	3-wire pigtail	1246.44
663-63-13-720-9	63-13-720-9	2000	220 or 240	10	11	17	118	(4) IEC-320	3-wire pigtail	2124.35
Group C –MPC Portable Medical Series, 60 Hz										
663-63-13-125-7	63-13-125-7	250	120	6	7	9	26	(4) 5-15R	5-15P	547.50
663-63-13-150-7	63-13-150-7	500	120	9	9	16	32	(4) 5-15R	5-15P	756.13
663-63-13-210-7	63-13-210-7	1000	120	9	9	16	69	(4) 5-15R	5-15P	1113.01

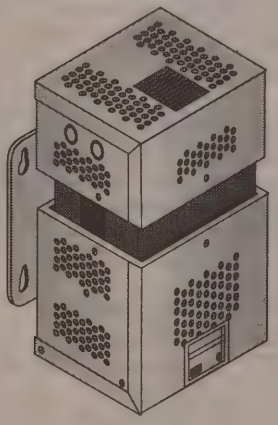


MCR HARDWIRED SERIES - POWER LINE CONDITIONING WITH VOLTAGE REGULATION

The MCR Hardwired Series provides excellent noise filtering and surge suppression to protect connected equipment from damage, degradation, or misoperation. Combined with the excellent voltage regulation inherent to Sola/Hevi-Duty's patented ferroresonant design, the MCR can increase the actual Mean Time Before Failure (MTBF) of protected equipment. The MCR is a perfect choice where dirty power, caused by impulses, swell, sags, brownouts, and waveform distortion can lead to costly downtime because of damaged equipment.

Features:

- Line regulation: +/- 3%
- Noise attenuation
- 120dB common mode
- 60 dB transverse mode
- Harmonic filtering
- Galvanic isolation
- Surge suppression tested to ANSI/IEEE C63.41 Class A & B Waveform: <10 V let through typical



For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	VA	Input Voltage	Output Voltage	Dimensions (In.) H	W	D	Weight (lbs.)	Price Each
663-63-23-112-4	63-23-112-4	120	120, 208, 240, 480	120	9	4	5	15	334.75
663-63-23-125-4	63-23-125-4	250	120, 208, 240, 480	120	10	5	8	27	436.72
663-63-23-150-8	63-23-150-8	500	120, 208, 240, 480	120, 208, 240	13	8	7	37	657.14
663-63-23-175-8	63-23-175-8	750	120, 208, 240, 480	120, 208, 240	14	8	7	52	837.39
663-63-23-210-8	63-23-210-8	1000	120, 208, 240, 480	120, 208, 240	17	8	7	62	999.10
*663-63-23-215-8	63-23-215-8	1500	120, 208, 240, 480	120, 208, 240	16	11	9	95	1345.18
*663-63-23-220-8	63-23-220-8	2000	120, 208, 240, 480	120, 208, 240	17	11	9	109	1701.56
*663-63-23-230-8	63-23-230-8	3000	120, 208, 240, 480	120, 208, 240	19	11	9	142	2432.86

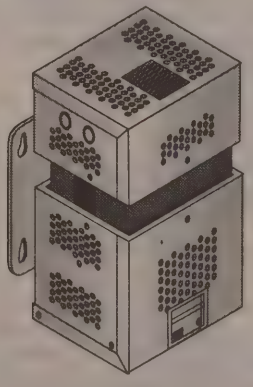
* Shipped Factory Direct

CVS HARDWIRED SERIES - CONSTANT VOLTAGE TRANSFORMERS

Superior voltage regulation of ±1% sets the CVS series apart from other power conditioning technologies on the market. Extremely tight regulation is accomplished by Sola/Hevi-Duty's patented ferroresonant transformer technology. The CVS recreates a well regulated sinusoidal waveform that is well isolated from imput disturbances including impulses, brownouts, swells, sags, and severe waveform distortion.

Features:

- **Superior voltage regulation +/- 1%**
- Harmonic filtering
- Hardwired
- Galvanic isolation
- Acts as a step-up/step-down transformer
- 25-year typical MTBF



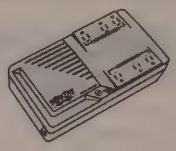
For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	VA	Input Voltage	Output Voltage	Dimensions (In.) H	W	D	Weight (lbs.)	Price Each
663-23-13-030-2	23-13-030-2	30	120	120	6	4	5	7	252.04
663-23-13-060-2	23-13-060-2	60	120	120	7	4	5	9	292.28
663-23-22-112-2	23-22-112-2	120	120, 240	120	8	4	5	13	396.07
663-23-23-125-8	23-23-125-8	250	120, 240, 480	120	11	6	8	29	541.15
663-23-23-150-8	23-23-150-8	500	120, 208, 240, 480	120, 240	13	9	7	42	820.73
*663-23-23-210-8	23-23-210-8	1000	120, 208, 240, 480	120, 240	17	9	7	65	1270.80
*663-23-23-220-8	23-23-220-8	2000	120, 208, 240, 480	120, 240	18	13	10	111	2165.66

* Shipped Factory Direct

TRIPP LITE Power Protection Solutions

INTERNET OFFICE UPS SYSTEMS



Features:
- Protect personal computers, modems, and peripherals
- Up to 8 outlets (4 UPS/ 4 surge only) protect your entire computer setup
- Built-in telephone/DSL jacks provide surge protection on phone line
- USB Communication port and FREE PowerAlert Software (web download) for unattended system shutdown.
- $100,000 Ultimate Lifetime Insurance

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	VA/W	Outlets	Comm. Ports	1/2 Load Runtime	Price Each
545-IO350U	INTERNET350U	350/180	6 + tel/DSL	1 USB	12 min.	54.99
545-INTERNET550U	INTERNET550U	550/300	8 + tel/DSL	1 USB	10 min.	76.50

BC SERIES UPS SYSTEMS

Features:
- Protect personal computers
- BC Personal UPS Systems offer excellent basic battery backup and surge suppression
- BC Pro UPS Systems include a USB communication port that works with free PowerAlert Software (web download) for unattended system shutdown
- Up to $200,000 Ultimate Lifetime Insurance

For quantities of 2 and up, call for quote.

BC Personal						
545-300	BCPERS300	300/180	3	--	17 min.	67.00
545-450	BCPERS450	450/280	3	--	17 min.	99.00
BC Pro UPS Systems						
545-600	BCPRO600	600/345	6 + tel/DSL	1 USB	19 min.	136.00
545-1400	BCPRO1400	1400/940	6	1 USB	24 min.	537.00

SMART USB LINE INTERACTIVE UPS SYSTEMS

Features:
- Line interactive protection for USB-enabled PC's and workstations
- Up to 8 outlets (4 UPS/surge, 4 surge only) protect your entire computer setup
- Automatic voltage regulation ensures connected equipment receives constant, 120V computer-grade power
- Built-in telephone/DSL jacks provide surge protection on phone line
- USB port and free PowerAlert Software (web download) provide unattended system shutdown
- $200,000 Ultimate Lifetime Insurance

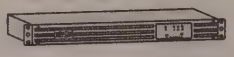
For quantities of 2 and up, call for quote.

545-SMART550USB	SMART550USB	550/300	6 + tel/DSL	1 USB	17 min.	120.00
545-SMART750USB	SMART750USB	750/450	6 + tel/DSL	1 USB	17 min.	139.00
545-OMNIVS1000	OMNIVS1000	1000/500	8 + tel/DSL	1 USB	18 min.	209.00

SMARTONLINE™ UPS SYSTEMS

"Shipped Factory Direct"

Features:
- Constant on-line operation with pure sine wave output and zero transfer on-line and zero transfer line
- Protect mission-critical servers and sensitive equipment
- 1 DB9 communication port
- PowerAlert Power Management Software included
- Models adapt to rack (2U) or tower applications; includes SNMP slot, 2 load banks and EPO jack
- Extended run capability with additional external battery packs
- $250,000 Ultimate Lifetime Insurance



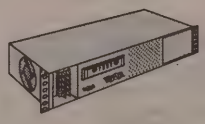
For quantities of 2 and up, call for quote.

545-SU1000RTXL2U	SU1000RTXL2U	1000/800	6	1 DB9	18+ min.	659.00
545-SU2200RTXL2U	SU2200RTXL2U	2200/1600	6	1 DB9	18+ min.	1265.00

RUGGEDIZED INDUSTRIAL-GRADE UPS SYSTEMS

"Shipped Factory Direct"

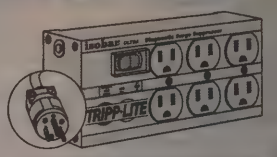
Features:
- Protect equipment in commercial/industrial/factory environments
- Rackmount UPS - as slim as 2U - designed for harsh working conditions
- All-metal cabinets are shock/vibration rated to MIL-STD-810D and include splash and dust-resistant controls
- PowerAlert Power Management Software included
- DIN Rail mount
- Automatic voltage regulation; includes SNMP slot and EPO jack
- $50,000 Ultimate Lifetime Insurance



For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	VA/W	Outlets	Comm. Ports	1/2 Load Runtime	Price Each
545-OM500RMX	OM500RMX	500/300	hardwired	1 DB9	17+ min.	449.00

HOSPITAL-GRADE UPS, SURGE SUPPRESSORS AND POWER STRIPS



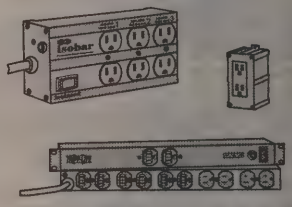
Features:
- Protects with hospital-grade plug and receptacles
- UPS includes automatic voltage regulation and EMI/RFI line noise filtering
- Surge suppressors are designed to stop damaging spikes and surges
- Power strips provide convenient AC receptacles wherever they're needed
- Not for use where NEC requires hospital grade receptacles

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	VA/W	Outlets	Comm. Ports	1/2 Load Runtime	Price Each
UPS System						
545-OMNISMART700HG	OMNISMART700HG	700/425	4	1 DB9	22 min.	462.00

MOUSER STOCK NO.	Tripp Lite Part Number	Outlets	Joules	Cord Length	Price Each
Surge Suppressors					
545-ISOBAR6ULTRAHG	ISOBAR6ULTRAHG	6	940	15'	117.00
545-SPS-615-HG	SPS-615-HG	6	790	15'	70.00
Power Strips					
545-PS115-HG	PS415-HG	4	--	15'	49.00
545-PS606-HG	PS606-HG	6	--	6'	52.50
545-PS615-HG	PS615-HG	6	--	15'	57.00

ISOBAR® PREMIUM SURGE SUPPRESSORS



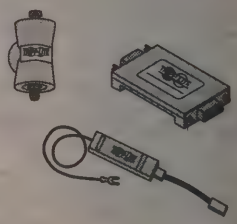
Features:
- Protect all computers and electronics
- All-metal housings won't burn, melt or crack
- Isotel models include built-in tel/DSL surge protection
- "Ultra" models include diagnostic LEDs
- Isolated filter banks eliminate interference between connected equipment
- Rackmount models fit standard 19" rack space (1U)
- Up to $50,000 Ultimate Lifetime Insurance
- 9' remote on/off extension module with IB8RM

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Outlets	Joules	Cord Length	Price Each
545-ISOBAR4ULTRA	ISOBAR4ULTRA	4	2200	6'	89.95
545-ISOBAR6ULTRA	ISOBAR6ULTRA	6	2350	6'	104.95
545-ISOBAR8ULTRA	ISOBAR8ULTRA	8	2350	12'	116.95
545-ISOBAR6	ISOBAR6	6	2350	6'	99.95
545-ISOBAR6DBS	ISOBAR6DBS	6 +tel/DSL + 2 coax	2850	6'	119.95
545-ISOTEL4ULTRA	ISOTEL4ULTRA	4 + tel/DSL	2700	6'	109.95
545-ISOTEL6ULTRA	ISOTEL6ULTRA	6 + (2) tel/DSL	2850	6'	119.95
545-ISOTEL8ULTRA	ISOTEL8ULTRA	8 + tel/DSL	2850	12'	134.95
Rackmount Models					
545-ISOBAR12ULTRA	ISOBAR12ULTRA	12	1280	15'	159.00
545-IBAR1220ULTRA	IBAR12/20ULTRA	12 (20-amp)	1280	15'	199.00
*545-DRS-1215	DRS-1215	6 front + 8 rear	1050	15'	79.00
Direct Plug-in Models					
545-ISOBLOK2-0	ISOBLOK2-0	2	600	direct plug-in	48.00
545-ULTRABLOK428	ULTRABLOK428	2	600	direct plug-in	59.95
545-ULTRACOPY	ULTRACOPY	2 (20-amp)	600	direct plug-in	79.95

*No isolated filter banks

NETWORK SURGE SUPPRESSORS



Features:
- Essential surge and line noise protection for data and communication lines
- Protects network equipment with up to 300% more surge-absorbing power than competitive models
- The industry's most complete line of network cable protection
- Minor protection investment yields major reductions in failed transmissions, lock-ups, and damaged hardware
- Lifetime product warranty
- Up to $100,000 Ultimate Lifetime Insurance

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part No.	Description	Price Each
545-DNET1	DNET1	RJ45 100BaseT, 10BaseT, token ring, RS232, AS400/Sys 3x protector for NIC's	29.95
545-D10B2	D10B2	10Base-2 thin coax protector (male/fem, BNC jacks)	27.95
545-DRS232	DRS232	RJ45 100 Base-T4 RS-232 protector (wires 1-8) for twisted pair application	29.95
545-DB9	DB9	Serial DB9 RS-232 protector (pins 1-9) for any male or female 9 pin port	24.50
545-DCATV	DCATV	Coaxial protector (male/fem. "F" connectors) for cable TV and satellite application	39.95
545-DSUT1CSU	DSUT1CSU	RJ45 protector (wires 1-8) for T-1 equipment, CSU/DSUs	65.95
545-DTEL2	DTEL2	RJ11/45 two line dial-up protector, ideal for modems, faxes, answering machines, etc.	32.50

TRIPP LITE Power Protection and Mobile Power Solutions

PROTECT IT!™ SURGE SUPPRESSORS

Features:
- Protect all computers & home/office electronics
- Economical, reliable protection against damaging surges, spikes, and line noise
- Highest joule ratings in their class - up to 3690
- Select models offer tel/modem, coaxial and/or Ethernet surge protection
- Up to $250,000 Ultimate Lifetime Insurance

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Outlets	Joules	Cord Length	Price Each
545-TLP602	TLP602	6	250	2'	7.99
545-TLP604TEL	TLP604TEL	6 + tel/DSL	870	4'	11.99
545-TLP606	TLP606	6	750	6'	11.99
545-STRIKER	STRIKER	7	750	6'	11.99
545-SUPER7	SUPER7	7	2350	7'	27.99
545-SUPER7TEL	SUPER7TEL	7 + tel/DSL	2470	7'	35.99
545-SUPER7TEL15	SUPER7TEL15	7 + tel/DSL	2720	15'	47.99
545-TLP707TEL	TLP707TEL	7 + tel/DSL	1270	7'	21.99
545-TLP808	TLP808	8	1900	8'	27.99
545-TLP808TELTV	TLP808TELTV	8 + tel/DSL + coax	3500	8'	47.99
545-TLP810SAT	TLP810SAT	8 + tel/DSL + 2 coax	3570	10'	57.99
545-PS5503M	PS5503M TRAVELER	2+ tel/DSL	1050	direct plug-in	25.95
545-TRAVELERC6	TRAVELER C6	2 3-prong (C6)	1130	inline	29.99
545-TRAVELERC8	TRAVELER C8	2 2-prong (C8)	1130	inline	29.99

WABER BY TRIPP LITE SURGE SUPPRESSORS & POWER STRIPS

Features:
- Provide economic protection & power for all electronics
- Economical outlet strips and surge suppressors
- Ideal for industrial, office, school, and lab applications
- A seamless steel case with baked-on finish on select models
- Available in keyhole(K) or flange(F) mount.

Outlet Strips

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Outlets	Mounting Options	Body Length	Cord Length	Price Each
545-3SP	3SP	3	K/F	7.38"	6'	19.04
545-602	602	5	K/F	7.38"	6'	14.49
545-602-15	602-15	5	K/F	7.38"	15'	19.04
545-6SP	6SP	6	K/F	12.5"	6'	19.95
545-4SPDX	4SPDX	4	K	7.5"	6'	13.59
545-6NX6	6NX6	6	K	12.5"	6'	8.64
545-6SPDX	6SPDX	6	K	12.5"	6'	14.10
545-6SPDX-15	6SPDX-15	6	K	12.5"	15'	18.13
545-UL24CB-15	UL24CB-15	6	K/F	12.5"	15'	30.86
545-UL24RA-15	UL24RA-15	6 (90°)	K/F	12.5"	15'	32.68
545-UL620-15	UL620-15	6 (20A)	K/F	12.5"	15'	75.40
545-UL800CB-15	UL800CB-15	10	K/F	17.5"	15'	49.09

Surge Suppressors

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Outlets/ Body Length	Joules	Cord Length	Price Each
545-PM6NS	PM6NS	6 / 12.5"	450	6'	21.36
545-PM6SN1	PM6SN1	6 / 12.5"	230	6'	14.10
545-DG206	DG206	6 / 12.5"	450	6'	22.68
545-DG115-SI	DG115-SI	6 / 12.5"	450	6'	40.86

TRIPP LITE POWER STRIPS

Features:
- Provide AC outlets wherever they are needed
- Mount in rack enclosures, along walls, or on desks or workbenches
- Rugged, all-metal cases stand up to the most demanding environments
- 1U rackmount models mount horizontally in a standard 19 inch rack

* Twist-Lock Plug

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Outlets	Length	Cord Length	Price Each
545-PS2408	PS2408	8	24"	15'	64.99
545-PS3612	PS3612	12	36"	15'	74.99
545-PS4816	PS4816	16	48"	15'	75.99
545-PS6020	PS6020	20	60"	15'	65.21
545-PS7224	PS7224	24	72"	15'	97.99
545-PS7224-20	PS7224-20	24 (20A)	72"	15'	112.99
*545-PS7224-20T	PS7224-20T	24 (20A)	72"	15'	124.99
545-PS3612-20HW	PS3612-20HW	12 (20A)	36"	hardwire	53.99
545-PS7224-20HW	PS7224-20HW	24 (20A)	72"	hardwire	106.99
1U Rackmount Models					
545-RS-1215	RS-1215	6 front / 6 rear	19"	15'	57.50
545-RS1215-20	RS-1215-20	6 front / 6 rear (20A)	19"	15'	59.99
545-1215-RA	RS-1215-RA	6 front / 6 rear (right angle)	19"	15'	59.00
545-RS0615-R	RS-0615-R	6 rear	19"	15'	49.00
545-RS0615-F	RS-0615-F	6 front	19"	15'	49.00

POWERVERTER® ULTRA-COMPACT INVERTERS

Features:
- Permanent-mount and portable power solutions
- Packs reliable technology into a durable, lightweight aluminum housing
- Small enough to store or mount inside any car, pickup, conversion van, or trailer
- PV150 and PV375 models are the perfect mobile power solution for business travelers w/ cigarette lighter adapter included
- PV1800HF and PV1000HF models provide a permanently mounted, convenient power center allowing you to outfit your RV or trailer with an entire kitchen or entertainment system.

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Input	Regular/Peak Output Wattage	Outlets	Price Each
545-PV150	PV150	12VDC	150/300	1	42.00
545-PV375	PV375	12VDC	375/600	2	65.00
545-PV600	PV600	12VDC	600/1200	3	119.00
545-PV1000HF	PV1000HF	12VDC	1000/2000	4	285.00
545-PV1800HF	PV1800HF	12VDC	1800/2700	3	395.00

POWERVERTER® HIGH SURGE INVERTERS

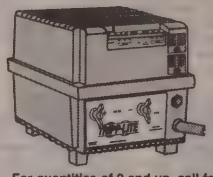
Features:
- Industrial-strength power for vehicular mounting
- Ideal for powering most electric motor-driven equipment
- Provides high peak surge power (up to 200% of rated output) to start and run heavy-draw devices
- Made to withstand vibration and impact - ideal for mounting in RV's, fleet vehicles and more.

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Input	Regular/Peak Output Wattage	Outlets	Price Each
545-PV500FC	PV500FC	12VDC	500/1000	2	255.00
545-PV1000FC	PV1000FC	12VDC	1000/2000	2	318.00
545-PV2000FC	PV2000FC	12VDC	2000/4000	2 (20A)	529.00

POWERVERTER® INVERTER/CHARGERS

Features:
- Permanent-mount or mobile uninterruptible power for equipment
- Provide AC power while utility power is available and charge user-supplied DC batteries at the same time
- Switch to frequency controlled AC power drawn from attached batteries when no AC power is available
- Advanced, modified sine wave output, frequency control and output voltage regulation for sensitive equipment
- Ideal AC power for RVs, boats, solar panels and any other large load equipment



For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Input	Regular/Peak Output Wattage	Outlets	Price Each
545-APS612	APS612	12VDC	800/1200	2	439.00
545-APS1012	APS1012	12VDC	1000/2000	2	616.00
545-APS2012	APS2012	12VDC	2000/4000	Hardwire	904.00

LINE CONDITIONERS

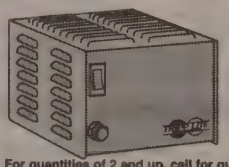
Features:
- Automatic Voltage Regulation (AVR) corrects (brownouts) and high voltage conditions
- Diagnostic LEDs alert you to power problems before you put your equipment at risk
- Built-in surge and line noise protection
- Rackmount and wallmount models available
- $25,000 Ultimate Lifetime Insurance

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Watts	Description	Outlets	Price Each
545-LS606M	LS606M	600	High/low voltage reg.	6	135.00
545-LC1200	LC1200	1200	Premium surge protection	4	172.00
545-LC1800	LC1800	1800	Premium surge protection	6	255.00
545-LC2400	LC2400	2400	Premium surge protection	6	385.00
545-LCR2400	LCR2400	2400	Rackmount(3U) surge protection	14	499.00

PRECISION-REGULATED DC POWER SUPPLIES

Features:
- Provide DC power to security, diagnostic, and electronic equipment
- Convert 120V AC to 13.8V DC (±0.5V)
- Provide excellent regulation of output voltage
- Ideal for use with ham and CB radios, test benches, tape players and amplifiers
- Compact footprint, metal housing and lighted on/off switch



For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Description	Price Each
545-PR3	PR3	3 amp capacity	33.50
545-PR4.5	PR4.5	4.5 amp capacity	39.00
545-PR7	PR7	7 amp capacity	55.00
545-PR10	PR10	10 amp capacity	79.00
545-PR20	PR20	20 amp capacity	125.00
545-PR25	PR25	25 amp capacity	165.00
545-PR30	PR30	30 amp capacity	172.00
545-PR60	PR60	60 amp capacity	309.00

19" RACK MOUNTED COMPUTER GRADE SURGE SUPPRESSORS- 20 AMP

Specifications:

- Max surge current: 13,000 amps
- Clamping voltage: UL 300 volts
- Electrical rating: 20A, 120V
- EMI/RFI noise reduction: 40db

Features:

- Designed to fit all standard 19" cabinets, carts, and racks
- Matte black steel housing
- Black 12/3 SJT cord with NEMA 5-20P plug
- UL Recognized, CSA approved
- 120 Volt resettable circuit breaker
- Five year warranty
- Surge protection, led indicator
- Dimensions: 19" W x 1.75" H x 2.75" D

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Outlets	On/Off Switch	Cord Length	Price Each 1	Price Each 5
681-R5BZ20	R5BZ20	6 Rear	Yes	6'	63.48	60.31
681-R5BZ20-15	R5BZ20-15	6 Rear	Yes	15'	66.93	63.58
681-R5BZ20X	R5BZ20X	6 Rear	No	6'	63.48	60.31
681-R5BZ20X-15	R5BZ20X-15	6 Rear	No	15'	66.93	63.58

SPECIAL APPLICATION 19" RACK MOUNTED POWER STRIPS

Specifications:

- Electrical rating: 15A, 120V

Features:

- Designed to fit all standard 19" cabinets, carts, and racks
- Matte black steel housing
- Black 14/3 SJT cord
- UL recognized CSA approved
- 120 Volt, 15 amp resettable circuit breaker
- Dimensions: 19" W x 1.75" H x 2.75" D
- 90° Rotated outlet units are rotated for applications using plug in power supplies
- Two year warranty

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Outlets	On/Off Switch	Description	Cord Length	Price Each 1	Price Each 5
681-J60B0B-90	J60B0B-90	6 Front	Yes	90° Outlets	6'	47.35	44.98
681-J60B2B-90	J60B2B-90	6 Front	Yes	90° Outlets	15'	52.13	49.52
681-J06B0BX	J06B0BX	6 Rear	No	Regular Outlets	6'	46.84	44.50
681-J06B2BX	J06B2BX	6 Rear	No	Regular Outlets	15'	51.70	49.12

19" RACK MOUNTED PLUG-IN OUTLET CENTERS-20 AMP

Specifications:

- Electrical rating: 20A,120V

Features:

- Designed to fit all standard 19" cabinets, carts, and racks
- Matte black steel housing
- 12/3 SJT cord with NEMA 5-20P plug
- Resettable circuit breaker
- Two year warranty
- Dimensions: 19" W x 1.75" H x 2.75" D
- UL recognized

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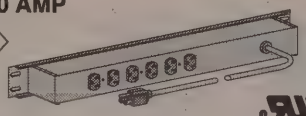

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For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Fig.	Outlets	On/Off Switch	Cord Length	Price Each 1	Price Each 5
681-J06B0B20	J06B0B20	A	6 Rear	Yes	6'	53.87	51.18
681-J06B2B20	J06B2B20	A	6 Rear	Yes	15'	59.45	56.48
681-J06B0B20X	J06B0B20X	A	6 Rear	No	6'	53.87	51.18
681-J06B2B20X	J06B2B20X	A	6 Rear	No	15'	59.45	56.48
681-J60B0B20	J60B0B20	B	6 Front	Yes	6'	53.87	51.18
681-J60B2B20	J60B2B20	B	6 Front	Yes	15'	59.45	56.48
681-J60B0B20X	J60B0B20X	B	6 Front	No	6'	53.87	51.18
681-J60B2B20X	J60B2B20X	B	6 Front	No	15'	59.45	56.48

STANDARD 19" RACK MOUNTED POWER STRIPS

Specifications:

- Electrical rating: 15A, 120V

Features:

- Designed to fit all standard 19" cabinets, carts, racks
- Matte black steel housing
- Black 14/3 SJT cord
- Resettable circuit breaker
- Two year warranty
- Dimensions: 19" W x 1.75" x 2.75" D
- UL listed, CSA approved

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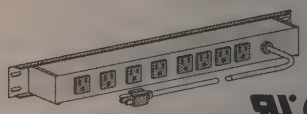

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Fig.	Outlets	On/Off Switch	Cord Length	Price Each 1	Price Each 5
681-J60B0B	J60B0B	A	6 Front	Yes	6'	46.84	44.50
681-J60B2B	J60B2B	A	6 Front	Yes	15'	51.70	49.12
681-J08B0B	J08B0B	B*	8 Rear	Yes	6'	46.84	44.50
681-J08B2B	J08B2B	B*	8 Rear	Yes	15'	51.70	49.12

*Outlets rotated 90°, 4 outlets spaced to accommodate transformers.

CENTEREX POWERCENTERS

Specifications:

- Electrical rating: 15A, 120V

Features:

- UL listed, CSA approved
- Resettable circuit breaker

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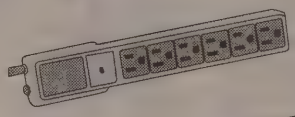

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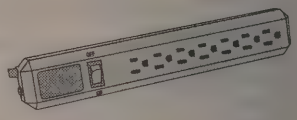

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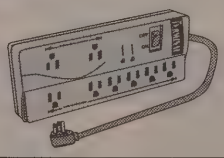

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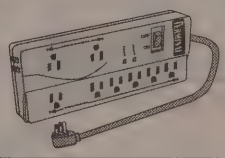


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Fig.	Outlets	On/Off Switch	Surge	Joules	Cord Length	Max Surge Current (Amps)	Clamping Voltage	EMI/RFI Reduction	Price Each 1	Price Each 5
681-63100	63100	A	6	Yes	No	N/A	33"	N/A	N/A	N/A	4.99	3.61
681-63010	63010	B	6	No	Yes	140	33"	4000	400	N/A	4.99	3.61
681-74222-15	74222-15	C	7	Yes	Yes	990	15'	10,000	600	15db	17.99	16.75
681-77000	77000	D	8	Yes	Yes	1200	6'	10,000	300	15db	14.99	13.85
681-77001 *	77001	E	8	Yes	Yes	1200	6'	10,000	300	15db	18.99	17.85

* Has 2 Phone Jacks

METERREADER™ RETROFIT CURRENT MONITORING DEVICE

The first UL approved product of its kind, the MeterReader™ measures current and displays the reading on the remote unit installed at the front of the IT rack or cabinet.

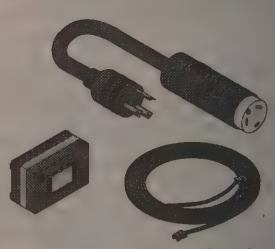
PRODUCT NEW

Features:

- Retrofit current monitoring capability
- Remote display
- 20A or 30A current monitoring
- User configurable
- cULus listed
- All models include remote display, patch cable, and rack mountable faceplate

For quantities of 10 and up, call for quote.

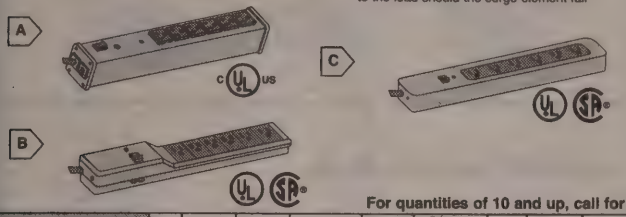
MOUSER STOCK NO.	Wiremold Part No.	Current Rating	Input/ Output	Input/Output Connector	Price Each 1	Price Each 5
681-METL530	METL530	30A max.	100-127VAC	L5-30P/L5-30R	244.15	232.95
681-METL520	METL520	20A max.	100-127VAC	L5-20P/L5-20R	244.15	232.95
681-METL630	METL630	30A max.	208-250VAC	L6-30P/L6-30R	244.15	232.95
681-METL620	METL620	20A max.	208-250VAC	L6-20P/L6-20R	244.15	232.95



PERMA POWER COMPUTER GRADE SURGE SUPPRESSORS

Specifications:
- Max surge current: 13,000 amps 681-PR610 6500 Amps
- Clamping voltage: UL 300 volts 681-PR610 390 volts
- Electrical rating: 15A, 120V
- EMI/RFI noise reduction: 40db

Features:
- Surge indicator light
- Resettable circuit breaker
- White housing
- Five year warranty
- UL listed, CSA certified
- Fail safe auto shutdown feature cuts power to the load should the surge element fail



For quantities of 10 and up, call for quote.

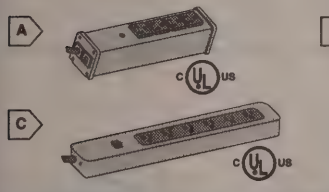
MOUSER STOCK NO. Mfr.	Mfr. Stock No.	Fig.	Outlets	Length	Case	Cord Length	Phone Fax Protected	Fail Safe	On/Off Switch	Price Each 1	Price Each 5
681—	M6BZ	A	6	13"	Aluminum	6'	-------	No	Lighted	36.91	35.07
681—	M6BZ-15	A	6	13"	Aluminum	15'	-------	No	Lighted	40.15	38.14
681—	SRD10	B	6	13"	Plastic	6'	1(RJ11)	No	Lighted	35.83	34.04
681—	M6BZM	A	6	16"	Aluminum	6'	1(RJ45)	No	Lighted	58.20	55.29
681—	RT610	A	6	13"	Aluminum	6'	-------	Yes	Yes	40.43	38.41
681—	RT612	A	6	13"	Aluminum	15'	-------	Yes	Yes	42.75	40.61
681—	PR610 *	C	6	12"	Plastic	6'	-------	No	Yes	16.63	15.80

*Electronic Grade

COMPACT PLUG-IN OUTLET CENTERS

Specifications:
- Electrical rating: 15A, 120V

Features:
- Resettable circuit breaker
- 14/3 SJT cord
- Gray aluminum housing except where noted
- UL listed, CSA approved
- Two year warranty



For quantities of 10 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Stock No.	Fig.	Outlets	Length	Mounting Type	Cord Length	Switch/Pilot Light	Price Each 1	Price Each 5
681—	UL101BC	A	4	9.187"	Snap/Slide	6'	No	18.87	17.93
681—	UL101BD	A	4	9.187"	Snap/Slide	15'	No	23.67	22.49
681—	UL104BC	B	4	9.75"	Snap/Slide	6'	Yes	23.04	21.89
681—	UL104BD	B	4	9.75"	Snap/Slide	15'	Yes	27.84	26.45
681—	UL207BC	B	6	12.25"	Snap/Slide	6'	Yes	28.11	26.71
681—	UL207BD	B	6	12.25"	Snap/Slide	15'	Yes	32.92	31.27
681—	P6 *	C	6	12"	Keyhole	6'	Yes	9.60	9.12
681—	P6-15 *	C	6	12"	Keyhole	15'	Yes	15.23	14.47

*White Plastic Housing

INTERNATIONAL PLUG-IN OUTLET CENTER

Features:
- Five 250V, IEC 320 outlets
- 10A single pole circuit breaker
- Gray finish
- Power cord not included (use 173-63101)
- Length: 11"

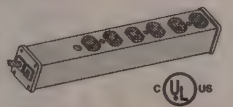
For quantities of 10 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Stock No.	Description	Price Each 1	Price Each 5
681—	IEC5	5 250V, IEC320 Outlets	41.31	39.25

HOSPITAL GRADE PLUG-IN OUTLET CENTERS

Specifications:
- Electrical rating: 15A, 120V

Features:
- Green dot outlets
- 14/3 SJT white cord
- Resettable circuit breaker
- UL Listed, CSA approved
- White aluminum housing
- Two year warranty



For quantities of 10 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Stock No.	Outlets	Length	Cord Length	Price Each 1	Price Each 5
681—	ULBH4-6	4	9 7/8"	6'	46.68	44.35
681—	ULBH4-15	4	9 7/8"	15'	51.60	49.02
681—	ULBH6-6	6	13"	6'	57.33	54.46
681—	ULBH6-15	6	13"	15'	62.24	59.13

INDUSTRIAL PLUG-IN OUTLET CENTERS

Specifications:
- Electrical rating: 15A,120V

Features:
- 14/3 SJT cord
- Gray aluminum housing
- UL listed, CSA approved
- Two year warranty

For quantities of 10 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Stock No.	Outlets	Length	Mounting Type	Cord Length	Switch/Pilot Light	Price Each 1	Price Each 5
681—	UL300BC	8	24"	Snap/Slide	6'	Yes	43.86	41.67
681—	UL300BD	8	24"	Snap/Slide	15'	Yes	47.79	45.40
681—	UL402BC	16	48"	Snap/Slide	6'	Yes	57.51	54.64
681—	UL402BD	16	48"	Snap/Slide	15'	Yes	61.44	58.37
681—	UL2065BC	24	72"	Snap/Slide	6'	Yes	69.21	65.75
681—	UL2065BD	24	72"	Snap/Slide	15'	Yes	73.14	69.48

HEAVY DUTY PLUG-IN OUTLET CENTERS-20 AMP

Specifications:
- Electrical rating: 20A,120V,60 Hz, 2500 watts continuous

Features:
- White aluminum housing
- UL listed
- Resettable circuit breaker
- 12/3 SJT black cord with NEMA 5-20P plug
- Two year warranty

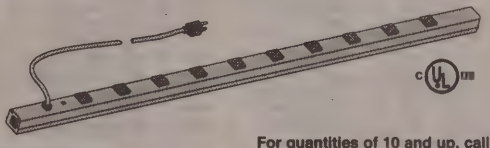
For quantities of 10 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Stock No.	Outlets	Length	Cord Length	Switch/Pilot Light	Price Each 1	Price Each 5
681—	ULB420-6	4	10 3/8"	6'	Yes	70.87	67.33
681—	ULB420-15	4	10 3/8"	15'	Yes	76.64	72.81
681—	ULB620-6	6	13 3/8"	6'	Yes	73.09	69.44
681—	ULB620-15	6	13 3/8"	15'	Yes	78.87	74.93

CABINETMATE POWER STRIPS

Specifications:
- Electrical rating: 120V

Features:
- Designed to fit in all types of cabinets
- Gray aluminum housing
- UL listed, CSA approved (15 amp models only)
- Resettable circuit breaker
- Two year warranty
- 15A units: 14/3 SJT cord with NEMA 5-15P plug
- 20A units: 12/3 SJT cord with NEMA 5-20P plug



For quantities of 10 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Stock No.	Outlets	Amps	Length	Cord Length	Price Each 1	Price Each 5
681—	4810ULBC	10	15	48"	6'	51.25	48.69
681—	4810ULBD	10	15	48"	15'	56.56	53.73
681—	7011ULBC	11	15	70"	6'	59.03	56.08
681—	7011ULBD	11	15	70"	15'	64.36	61.11
681—	7712ULBC	12	15	77"	6'	65.36	62.09
681—	7712ULBD	12	15	77"	15'	70.68	67.15
681—	4810ULBC20R	10	20	48"	6'	65.89	62.60
681—	4810ULBD20R	10	20	48"	15'	75.00	71.25
681—	7011ULBC20R	11	20	70"	6'	76.05	72.25
681—	7011ULBD20R	11	20	70"	15'	85.17	80.91
681—	7712ULBC20R	12	20	77"	6'	84.62	80.39
681—	7712ULBD20R	12	20	77"	15'	96.18	91.37

POWER COMMANDER 30A POWER DISTRIBUTION UNIT

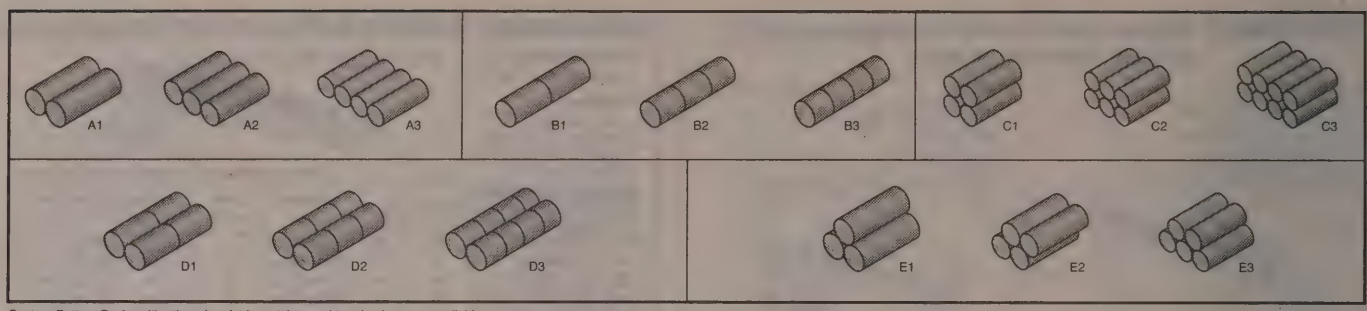
Among the first in the industry to meet the new UL60950-1 1st Edition and ITE standards, these PDUs feature UL489 Listed breakers increasing the safety and reliability of distributed power.

Features:
- **Meets UL60950-1 1st Edition and ITE standards**
- Power cable: 10/3 SJT Type, L5-30P
- Narrow aluminum profile (1 1/2"W x 2 7/8"H)
- Easy access breakers located on unit's front for quick and easy reset
- Built in mounting rail

For quantities of 10 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Stock No.	Outlets	Length	Cord Length	Price Each 1	Price Each 5
681—	3A44B2-1	24	48"	12'	142.36	134.89
681—	3A86B2-1	36	70"	12'	157.78	149.50

Rechargeable Battery Packs



Custom Battery Packs with other chemistries, styles, and terminations are available.

See our website for prices on larger quantities: **www.mouser.com**

AAA PACKS 250 MAH NI-CD

			With Solder Tabs		With 6" Leads	
Fig.	Cells	Volts	MOUSER STOCK NO.	Price Each	MOUSER STOCK NO.	Price Each
A1	2	2.4	6396-250-F2	5.15	6396-250-F2-L	6.15
A2	3	3.6	6396-250-F3	7.31	6396-250-F3-L	8.31
A3	4	4.8	6396-250-F4	9.74	6396-250-F4-L	10.74
B1	2	2.4	6396-250-L2	5.15	6396-250-L2-L	6.15
B2	3	3.6	6396-250-L3	7.29	6396-250-L3-L	8.29
B3	4	4.8	6396-250-L4	9.72	6396-250-L4-L	10.72
C1	4	4.8	6396-250-F22	9.68	6396-250-F22-L	10.68
C2	6	7.2	6396-250-F23	14.59	6396-250-F23-L	15.59
C3	8	9.6	6396-250-F24	19.35	6396-250-F24-L	20.35
D1	4	4.8	6396-250-L22	9.73	6396-250-L22-L	10.73
D2	6	7.2	6396-250-L32	14.59	6396-250-L32-L	15.59
D3	8	9.6	6396-250-L42	12.89	6396-250-L42-L	13.89
E1	3	3.6	6396-250-N3	7.97	6396-250-N3-L	8.97
E2	4	4.8	6396-250-N4	8.37	6396-250-N4-L	9.37
E3	5	6.0	6396-250-N5	8.79	6396-250-N5-L	9.79

AA PACKS 700 MAH NI-CD

			With Solder Tabs		With 6" Leads	
A1	2	2.4	6396-700-F2	4.61	6396-700-F2-L	5.61
A2	3	3.6	6396-700-F3	6.56	6396-700-F3-L	7.56
A3	4	4.8	6396-700-F4	8.28	6396-700-F4-L	9.28
B1	2	2.4	6396-700-L2	4.63	6396-700-L2-L	5.63
B2	3	3.6	6396-700-L3	6.56	6396-700-L3-L	7.56
B3	4	4.8	6396-700-L4	8.32	6396-700-L4-L	9.32
C1	4	4.8	6396-700-F22	8.26	6396-700-F22-L	9.26
C2	6	7.2	6396-700-F23	12.38	6396-700-F23-L	13.38
C3	8	9.6	6396-700-F24	16.51	6396-700-F24-L	17.51
D1	4	4.8	6396-700-L22	8.28	6396-700-L22-L	9.28
D2	6	7.2	6396-700-L32	12.39	6396-700-L32-L	13.39
D3	8	9.6	6396-700-L42	12.89	6396-700-L42-L	13.89
E1	3	3.6	6396-700-N3	7.94	6396-700-N3-L	8.94
E2	4	4.8	6396-700-N4	8.86	6396-700-N4-L	9.86
E3	5	6.0	6396-700-N5	9.85	6396-700-N5-L	10.85

AA PACKS 1000 MAH NI-CD

			With Solder Tabs		With 6" Leads	
Fig.	Cells	Volts	MOUSER STOCK NO.	Price Each	MOUSER STOCK NO.	Price Each
A1	2	2.4	6396-1K-F2	5.95	6396-1K-F2-L	6.95
A2	3	3.6	6396-1K-F3	8.95	6396-1K-F3-L	9.95
A3	4	4.8	6396-1K-F4	11.25	6396-1K-F4-L	12.25
B1	2	2.4	6396-1K-L2	5.97	6396-1K-L2-L	6.97
B2	3	3.6	6396-1K-L3	8.91	6396-1K-L3-L	9.91
B3	4	4.8	6396-1K-L4	11.25	6396-1K-L4-L	12.25
C1	4	4.8	6396-1K-F22	11.23	6396-1K-F22-L	12.23
C2	6	7.2	6396-1K-F23	16.84	6396-1K-F23-L	17.84
C3	8	9.6	6396-1K-F24	22.45	6396-1K-F24-L	23.45
D1	4	4.8	6396-1K-L22	11.25	6396-1K-L22-L	12.25
D2	6	7.2	6396-1K-L32	16.85	6396-1K-L32-L	17.85
D3	8	9.6	6396-1K-L42	15.98	6396-1K-L42-L	16.98
E1	3	3.6	6396-1K-N3	9.85	6396-1K-N3-L	10.85
E2	4	4.8	6396-1K-N4	11.84	6396-1K-N4-L	12.84
E3	5	6.0	6396-1K-N5	12.94	6396-1K-N5-L	13.94

AA PACKS 1800 MAH NI-MH

			With Solder Tabs		With 6" Leads	
A1	2	2.4	6396-1.8K-F2H	10.88	6396-1.8K-F2H-L	11.88
A2	3	3.6	6396-1.8K-F3H	12.52	6396-1.8K-F3H-L	13.52
A3	4	4.8	6396-1.8K-F4H	15.87	6396-1.8K-F4H-L	16.87
B1	2	2.4	6396-1.8K-L2H	10.88	6396-1.8K-L2H-L	11.88
B2	3	3.6	6396-1.8K-L3H	12.52	6396-1.8K-L3H-L	13.52
B3	4	4.8	6396-1.8K-L4H	15.87	6396-1.8K-L4H-L	16.87
C1	4	4.8	6396-1.8K-F22H	15.87	6396-1.8K-F22H-L	16.87
C2	6	7.2	6396-1.8K-F23H	21.34	6396-1.8K-F23H-L	22.34
C3	8	9.6	6396-1.8K-F24H	27.72	6396-1.8K-F24H-L	28.72
D1	4	4.8	6396-1.8K-L22H	15.87	6396-1.8K-L22H-L	16.87
D2	6	7.2	6396-1.8K-L32H	21.34	6396-1.8K-L32H-L	22.34
D3	8	9.6	6396-1.8K-L42H	24.88	6396-1.8K-L42H-L	25.88
E1	3	3.6	6396-1.8K-N3H	15.82	6396-1.8K-N3H-L	16.82
E2	4	4.8	6396-1.8K-N4H	17.81	6396-1.8K-N4H-L	18.81
E3	5	6.0	6396-1.8K-N5H	19.80	6396-1.8K-N5H-L	20.80

SC PACKS 2100 MAH NI-CD

			With Solder Tabs		With 6" Leads	
Fig.	Cells	Volts	MOUSER STOCK NO.	Price Each	MOUSER STOCK NO.	Price Each
A1	2	2.4	6396-2.1K-F2	10.88	6396-2.1K-F2-L	11.88
A2	3	3.6	6396-2.1K-F3	12.87	6396-2.1K-F3-L	13.87
A3	4	4.8	6396-2.1K-F4	16.25	6396-2.1K-F4-L	17.25
B1	2	2.4	6396-2.1K-L2	10.88	6396-2.1K-L2-L	11.88
B2	3	3.6	6396-2.1K-L3	12.89	6396-2.1K-L3-L	13.89
B3	4	4.8	6396-2.1K-L4	16.27	6396-2.1K-L4-L	17.27
C1	4	4.8	6396-2.1K-F22	16.25	6396-2.1K-F22-L	17.25
C2	6	7.2	6396-2.1K-F23	24.34	6396-2.1K-F23-L	25.34
C3	8	9.6	6396-2.1K-F24	32.45	6396-2.1K-F24-L	33.45
D1	4	4.8	6396-2.1K-L22	16.25	6396-2.1K-L22-L	17.25
D2	6	7.2	6396-2.1K-L32	24.35	6396-2.1K-L32-L	25.35
D3	8	9.6	6396-2.1K-L42	25.77	6396-2.1K-L42-L	26.77
E1	3	3.6	6396-2.1K-N3	15.89	6396-2.1K-N3-L	16.89
E2	4	4.8	6396-2.1K-N4	17.81	6396-2.1K-N4-L	18.81
E3	5	6.0	6396-2.1K-N5	19.80	6396-2.1K-N5-L	20.80

C PACKS 2500 MAH NI-CD

			With Solder Tabs		With 6" Leads	
Fig.	Cells	Volts	MOUSER STOCK NO.	Price Each	MOUSER STOCK NO.	Price Each
A1	2	2.4	6396-2.5K-F2	20.93	6396-2.5K-F2-L	21.93
A2	3	3.6	6396-2.5K-F3	22.43	6396-2.5K-F3-L	23.43
A3	4	4.8	6396-2.5K-F4	24.68	6396-2.5K-F4-L	25.68
B1	2	2.4	6396-2.5K-L2	20.93	6396-2.5K-L2-L	21.93
B2	3	3.6	6396-2.5K-L3	29.75	6396-2.5K-L3-L	30.75
B3	4	4.8	6396-2.5K-L4	24.68	6396-2.5K-L4-L	25.68
C1	4	4.8	6396-2.5K-F22	24.68	6396-2.5K-F22-L	25.68
C2	6	7.2	6396-2.5K-F23	26.87	6396-2.5K-F23-L	27.87
C3	8	9.6	6396-2.5K-F24	46.57	6396-2.5K-F24-L	47.57
D1	4	4.8	6396-2.5K-L22	24.68	6396-2.5K-L22-L	25.68
D2	6	7.2	6396-2.5K-L32	36.87	6396-2.5K-L32-L	37.87
D3	8	9.6	6396-2.5K-L42	45.71	6396-2.5K-L42-L	46.71
E1	3	3.6	6396-2.5K-N3	29.75	6396-2.5K-N3-L	30.75
E2	4	4.8	6396-2.5K-N4	31.74	6396-2.5K-N4-L	32.74
E3	5	6.0	6396-2.5K-N5	35.72	6396-2.5K-N5-L	36.72

D PACKS 5000 MAH NI-CD

			With Solder Tabs		With 6" Leads	
Fig.	Cells	Volts	MOUSER STOCK NO.	Price Each	MOUSER STOCK NO.	Price Each
A1	2	2.4	6396-5K-F2	29.93	6396-5K-F2-L	30.93
A2	3	3.6	6396-5K-F3	37.08	6396-5K-F3-L	38.08
A3	4	4.8	6396-5K-F4	46.84	6396-5K-F4-L	47.84
B1	2	2.4	6396-5K-L2	29.93	6396-5K-L2-L	30.93
B2	3	3.6	6396-5K-L3	37.08	6396-5K-L3-L	38.08
B3	4	4.8	6396-5K-L4	46.81	6396-5K-L4-L	47.81
C1	4	4.8	6396-5K-F22	46.66	6396-5K-F22-L	47.66
C2	6	7.2	6396-5K-F23	69.98	6396-5K-F23-L	70.98
C3	8	9.6	6396-5K-F24	93.29	6396-5K-F24-L	94.29
D1	4	4.8	6396-5K-L22	46.82	6396-5K-L22-L	47.82
D2	6	7.2	6396-5K-L32	69.98	6396-5K-L32-L	70.98
D3	8	9.6	6396-5K-L42	66.68	6396-5K-L42-L	67.68
E1	3	3.6	6396-5K-N3	43.68	6396-5K-N3-L	44.68
E2	4	4.8	6396-5K-N4	49.65	6396-5K-N4-L	50.65
E3	5	6.0	6396-5K-N5	55.62	6396-5K-N5-L	56.62

Consumer and Sealed Lead-Acid Battery Finder

NON-RECHARGEABLE

∗Pack of 4 † Pack of 2

Size	Volt	mAh	Chemistry	MOUSER STOCK NO.	Manufacturer	Price Each
AAA	1.5	300	Zinc Chloride	639-HD-AAA	Golden Power	.22
AAA	1.5	NR	Alkaline	573-24A	GP	.40
AAA	1.5	1,100	Carbon Zinc	525-1212BP-4	Eveready	∗2.07
AAA	1.5	1,100	Alkaline	613-PC2400	Duracell Procell	.75
AAA	1.5	1,150	Alkaline	613-MN2400	Duracell	1.09
AAA	1.5	1,250	Alkaline	525-EN92	Energizer Industrial	.67
AAA	1.5	1,250	Alkaline	525-E92	Energizer	.99
AAA	1.5	NR	Alkaline	613-MX2400	Duracell M3 Ultra	1.52
AAA	1.5	1,350	Alkaline	525-X92RP-4	Energizer e²	∗6.37
AAA	1.5	1,250	Lithium	525-L92BP-2	Energizer	† 6.64
AA	1.5	540	Carbon Zinc	525-1215BP-4	Eveready	∗2.04
AA	1.5	570	Zinc Chloride	639-HD-AA	Golden Power	.25
AA	1.5	NR	Alkaline	573-15A	GP	.40
AA	1.5	2,450	Alkaline	613-PC1500	Duracell Procell	.70
AA	1.5	2,850	Alkaline	525-EN91	Energizer Industrial	.67
AA	1.5	2,850	Alkaline	525-E91	Energizer	.99
AA	1.5	2,850	Alkaline	613-MN1500	Duracell	1.09
AA	1.5	NR	Alkaline	613-MX1500	Duracell M3 Ultra	1.52
AA	1.5	2,900	Alkaline	525-X91RP-4	Energizer e²	∗6.37
AA	1.5	2,900	Lithium	525-L91BP-2	Energizer	† 5.81
C	1.5	1,600	Carbon Zinc	639-HD-C	Golden Power	.58
C	1.5	3,800	Carbon Zinc	525-1235-4	Eveready	∗2.43
C	1.5	NR	Alkaline	573-14A	GP	1.17
C	1.5	7,100	Alkaline	613-PC1400	Duracell Procell	1.20
C	1.5	7,800	Alkaline	613-MN1400	Duracell	1.79
C	1.5	8,350	Alkaline	525-EN93	Energizer Industrial	1.33
C	1.5	8,350	Alkaline	525-E93	Energizer	1.65
C	1.5	NR	Alkaline	613-MX1400	Duracell	2.25
D	1.5	3,300	Carbon Zinc	639-HD-D	Golden Power	.72
D	1.5	8,000	Carbon Zinc	525-1250-4	Eveready	∗2.43
D	1.5	14,000	Alkaline	613-PC1300	Duracell Procell	1.20
D	1.5	NR	Alkaline	573-13A	GP	1.41
D	1.5	15,000	Alkaline	613-MN1300	Duracell	1.79
D	1.5	18,000	Alkaline	525-EN95	Energizer Industrial	1.19
D	1.5	18,000	Alkaline	525-E95	Energizer	1.65
D	1.5	NR	Alkaline	613-MX1300	Duracell	2.25
N	1.5	NR	Alkaline	573-910A	GP	.65
N	1.5	1,000	Alkaline	525-E90	Energizer	.99
9V	9	209	Carbon Zinc	639-GP-9V	Golden Power	.74
9V	9	228	Carbon Zinc	639-HD-9V	Golden Power	.99
9V	9	400	Carbon Zinc	525-1222BP-2	Eveready	† 2.54
9V	9	NR	Alkaline	573-1604A	GP	1.85
9V	9	565	Alkaline	613-PC1604	Duracell Procell	2.05
9V	9	580	Alkaline	613-MN1604	Duracell	3.39
9V	9	625	Alkaline	525-EN22	Energizer Industrial	2.00
9V	9	625	Alkaline	525-522	Energizer	3.10
9V	9	NR	Alkaline	613-MX1604	Duracell M3 Ultra	4.46
9V	9	655	Alkaline	525-X22RP	Energizer e²	6.37
9V	9	1,200	Lithium	5169-U9VL-FP	Ultralife	6.16
9V	9	1,200	Lithium	5169-U9VL-J	Ultralife	7.41
Lantern	6	12,000	Carbon Zinc	525-1209	Eveready	4.08
Lantern	6	13,000	Alkaline	613-MN908	Duracell	9.30

RECHARGEABLE

∗Pack of 4 † Pack of 2

Size	Volt	mAh	Chemistry	MOUSER STOCK NO.	Manufacturer	Price Each
AAA	1.2	250	Nickel-Cadmium	547-PS-AAA	Power Sonic	1.65
AAA	1.2	250	Nickel-Cadmium	639-N250AAA	Sanyo	2.24
AAA	1.2	650	Nickel Metal Hydride	639-HR-4U	Sanyo	2.70
AAA	1.2	750	Nickel Metal Hydride	525-NH12BP-4	Energizer	∗14.53
AA	1.2	600	Nickel-Cadmium	547-PS-AA	Power Sonic	1.50
AA	1.2	600	Nickel-Cadmium	573-60AAK	GP	1.60
AA	1.2	700	Nickel-Cadmium	639-N700AAC	Sanyo	1.82
AA	1.2	800	Nickel-Cadmium	639-KR800AAE	Sanyo	2.15
AA	1.2	1,000	Nickel-Cadmium	573-100AAK	GP	3.09
AA	1.2	1,000	Nickel-Cadmium	639-KR1000AAU	Sanyo	3.10
AA	1.2	1,300	Nickel Metal Hydride	573-GP130AA	GP	2.42
AA	1.2	1,600	Nickel Metal Hydride	573-GP160AA	GP	2.75
AA	1.2	1,650	Nickel Metal Hydride	639-HR-3U	Sanyo	3.15
AA	1.2	1,800	Nickel Metal Hydride	573-GP180AAHU	GP	3.50
AA	1.2	2,100	Nickel Metal Hydride	525-NH15BP-4	Energizer	∗14.53
C	1.2	2,000	Nickel-Cadmium	639-KR2000C	Sanyo	5.00
C	1.2	2,200	Nickel Metal Hydride	525-NH35BP-2	Energizer	† 10.60
D	1.2	2,200	Nickel Metal Hydride	525-NH50BP-2	Energizer	10.60
D	1.2	4,000	Nickel-Cadmium	547-PS-DL	Power Sonic	7.60
D	1.2	4,400	Nickel-Cadmium	639-KR4400D	Sanyo	† 10.75
N	1.2	150	Nickel-Cadmium	639-N150N	Sanyo	2.35
9V	7.2	110	Nickel-Cadmium	639-N6PT	Sanyo	14.20
9V	7.2	150	Nickel Metal Hydride	525-NH22NBP	Energizer	10.60
9V	7.2	150	Nickel Metal Hydride	573-GP17R7H	GP	7.53
9V	8.4	150	Nickel Metal Hydride	573-GP17R8H	GP	9.09
9V	8.4	150	Nickel Metal Hydride	672-05522	Varta	10.64

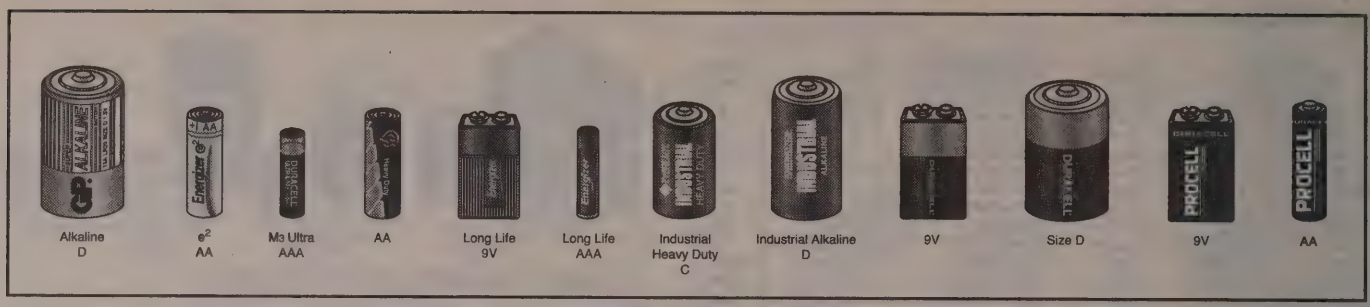
Please also see our offering of Battery Holders, Chargers, Computer, and Specialty Batteries.

SEALED LEAD-ACID (RECHARGEABLE)

∗∗ Negative = .187" Faston, Positive = .250" Faston

Volt	Nominal Capacity @ 20 Hr. Rate A.H.	Terminal Type	MOUSER STOCK NO.	Manufacturer	Price Each
4	4.5	.250 " Faston	547-PS-445	Power Sonic	11.75
4	9.0	.250 " Faston	547-PS-490	Power Sonic	15.85
6	0.5	Wire Leads	547-PS-605	Power Sonic	13.00
6	1.0	.187" Faston	547-PS-610	Power Sonic	9.68
6	1.2	.187" Faston	547-PS-612H	Power Sonic	8.85
6	1.3	.187" Faston	632-GH613	CSB	6.24
6	1.3	.187" Faston	658-LCR061R3P	Panasonic	10.15
6	3.3	.187" Faston	632-GH633	CSB	8.99
6	3.4	.187" Faston	547-PS-630	Power Sonic	14.90
6	3.4	.187" Faston	658-LCR063R4PU	Panasonic	16.75
6	4.2	.187" Faston	658-LCR064R2P	Panasonic	10.75
6	4.5	.187" Faston	632-GH645	CSB	5.58
6	4.5	Mate-N-Lok	632-GP645WL	CSB	9.59
6	4.5	.187" Faston	632-GP645	CSB	9.65
6	4.5	.187" Faston	547-PS-640	Power Sonic	12.10
6	6.5	∗∗	547-PS-665	Power Sonic	15.25
6	7.0	.187" Faston	547-PS-670	Power Sonic	12.40
6	7.2	.187" Faston	658-LCR067R2P	Panasonic	15.70
6	7.2	.250 " Faston	658-LCR067R2P1	Panasonic	15.70
6	7.2	∗∗	658-LCR067R2P2	Panasonic	15.70
6	7.2	.187" Faston	632-GP672	CSB	13.23
6	8.0	.187" Faston	547-PS-682	Power Sonic	15.65
6	12.0	.187" Faston	547-PS-6100	Power Sonic	15.25
6	12.0	.187" Faston	632-GP6120	CSB	15.48
6	12.0	.187" Faston	658-LCR0612P	Panasonic	17.13
6	12.0	.250 " Faston	658-LCR0612P1	Panasonic	17.13
6	12.0	.250 " Faston	632-GP6120F2	CSB	16.97
6	12.0	∗∗	547-PS-6120	Power Sonic	17.90
6	13.0	Toy	632-GH6130WLF	CSB	16.67
6	20.0	Nut and bolt	547-PS-6200	Power Sonic	46.60
6	36.0	.250 " Faston	547-PS-6360	Power Sonic	43.00
12	0.8	Mate-N-Lok	547-PS-1208	Power Sonic	16.90
12	1.2	.187" Faston	547-PS-1212	Power Sonic	15.65
12	1.3	.187" Faston	632-GH1213	CSB	14.75
12	1.3	.187" Faston	658-LCR121R3PU	Panasonic	18.23
12	2.2	.187" Faston	547-PS-1220	Power Sonic	17.85
12	2.2	.187" Faston	632-GH1222	CSB	12.41
12	2.2	.187" Faston	632-GP1222	CSB	14.83
12	2.2	.187" Faston	658-LCR122R2PU	Panasonic	22.70
12	2.9	.187" Faston	547-PS1229	Power Sonic	22.35
12	3.4	.187" Faston	547-PS-1230	Power Sonic	20.00
12	3.4	.187" Faston	632-GH1234	CSB	11.52
12	3.4	.187" Faston	658-LCR123R4PU	Panasonic	28.45
12	4.5	.187" Faston	632-GP1245	CSB	14.22
12	5.0	.187" Faston	547-PS1250F1	Power Sonic	16.00
12	5.0	.250 " Faston	547-PS1250F2	Power Sonic	21.44
12	7.0	.187" Faston	632-GH1270	CSB	13.98
12	7.0	.187" Faston	547-PS-1270	Power Sonic	17.85
12	7.2	.187" Faston	632-GP1272	CSB	18.20
12	7.2	.250 " Faston	632-GP1272F2	CSB	18.20
12	7.2	.187" Faston	658-LCR127R2P	Panasonic	23.35
12	7.2	.250 " Faston	658-LCR127R2P1	Panasonic	23.35
12	8.0	.187" Faston	547-PS-1282	Power Sonic	33.15
12	12.0	.250 " Faston	547-PS-12100	Power Sonic	34.90
12	12.0	.250 " Faston	632-GP12120F2	CSB	31.65
12	12.0	.250 " Faston	547-PS-12120	Power Sonic	39.50
12	17.0	Nut and bolt	658-LCRD1217P	Panasonic	43.55
12	17.0	Nut and bolt	632-GP12170	CSB	43.93
12	17.0	Nut and bolt	632-EVX12170	CSB	50.06
12	17.5	Nut and bolt	547-PS-12180	Power Sonic	47.50
12	18.0	.250 " Faston	547-PS-12180F	Power Sonic	55.50
12	26.0	Nut and bolt	632-EVX12260	CSB	63.80
12	26.0	.250 " Faston	547-PS-12260	Power Sonic	65.40
12	26.0	Nut and bolt	632-GP12260	CSB	67.60
12	28.0	Nut and bolt	658-LCX1228P	Panasonic	76.25
12	28.0	Nut and bolt	547-PS12280	Power Sonic	74.15
12	33.0	Nut and bolt	658-LCLA1233P	Panasonic	84.40
12	34.0	Nut and bolt	632-EVX12340	CSB	58.16
12	35.0	Nut and bolt	547-PS-12330	Power Sonic	69.95
12	40.0	Nut and bolt	632-GP12400	CSB	101.99
12	75.0	Nut and bolt	547-PS-12750	Power Sonic	112.90
12	100.0	Nut and bolt	547-PS121000	Power Sonic	143.35

Non-Rechargeable Batteries



DURACELL® M3 ULTRA ALKALINE BATTERIES

PRODUCT NEW

- Recommended for high-drain devices

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Cross Reference		Price Each		
			ANSI	IEC	1	25	50
613-MX2400	AAA	1.5	24A	LR03	1.52	1.46	1.41
613-MX1500	AA	1.5	15A	LR6	1.52	1.46	1.41

DURACELL® LONG-LIFE ALKALINE BATTERIES

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Capacity (mAh)	Price Each		
				1	100	500
613-MN2400	AAA	1.5	1150	1.09	.99	.89
613-MN1500	AA	1.5	2850	1.09	.99	.89
613-MN1400	C	1.5	7800	1.79	1.75	1.65
613-MN1300	D	1.5	15000	1.79	1.75	1.65
613-MN1604	9V	9.0	580	3.39	3.15	2.75

DURACELL® PROCELL ALKALINE BATTERIES

- Dependable
- Last 5 x longer than super heavy-duty batteries
- Long service life at high-drain discharges

MOUSER STOCK NO.	Size	Volts	Capacity (mAh)	Std. Pkg.	Case Quantity	Price Per Battery		
						1	Std. Pkg	Case
613-PC2400	AAA	1.5	1100	24	72	.75	.60	.55
613-PC1500	AA	1.5	2450	24	144	.70	.54	.46
613-PC1400	C	1.5	7100	12	72	1.20	1.00	.85
613-PC1300	D	1.5	14000	12	72	1.20	1.10	1.05
613-PC1604	9V	9.0	565	12	72	2.05	1.90	1.55
613-MN908	Lantern	6.0	13000	6	12	9.30	8.79	8.25

GP ALKACELL (Top Performance Alkaline)

- Reduced mercury content (less than .025% of total weight)
- Lasts up to seven times as long as ordinary carbon-zinc batteries
- Long storage life

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Cross Reference		Price Each			
			Eveready	IEC	1	100	500	1000
573-910A	N	1.5	E90	LR1	.65	.59	.56	.53
573-24A	AAA	1.5	E92	LR03	.40	.35	.30	.29
573-15A	AA	1.5	E91	LR6	.40	.35	.30	.29
573-14A	C	1.5	E93	LR14	1.17	1.06	1.00	.91
573-13A	D	1.5	E95	LR20	1.41	1.32	1.28	1.23
573-1604A	9V	9.0	522	6LF22	1.85	1.30	1.25	1.16

GP HIGH VOLTAGE (Alkaline)

- Hard-to-find battery
- Photo, remote controllers, and lighter applications

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Dimensions (In.)		Volts	Capacity (mAh)	Price Each			
	Dia.	Ht.			1	10	100	500
573-23A	.39	1.12	12	33	.88	.83	.71	.62
573-25A	.303	.843	9	18	.88	.83	.71	.62
573-27A	.303	1.10	12	18	.88	.83	.71	.62

ENERGIZER® e² ALKALINE BATTERIES

PRODUCT NEW

- Provides high-performance through titanium technology

MOUSER STOCK NO.	Size	Volts	Capacity mAh	Batteries per Pkg.	Price Per Package		
					1	12	48
525-X92RP-4	AAA	1.5	1350	4	6.37	5.67	5.04
525-X91RP-4	AA	1.5	2900	4	6.37	5.67	5.04
525-X22RP	9V	9	655	1	6.37	5.67	5.04

ENERGIZER® BATTERIES

Max Long Life Alkaline

- Recommended for heavy drain/frequent use
- Formulated to provide dependable power

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	NEDA	Replaces	Price Per Battery		
					1	100	500
525-E90	N	1.5	910A	MN9100	.99	.91	.80
525-E91	AA	1.5	15A	MN1500	.99	.91	.80
525-E92	AAA	1.5	24A	MN2400	.99	.91	.80
525-E93	C	1.5	14A	MN1400	1.65	1.59	1.51
525-E95	D	1.5	13A	MN1300	1.65	1.59	1.51
525-522	9V	9.0	1604A	MN1604	3.10	2.85	2.49

Industrial Alkaline

- Recommended for heavy drain/extra temperature applications
- Open dated and "best if used by" dating system

MOUSER STOCK NO.	Size	Volts	Std. Pkg.	Case Quantity	Price Per Battery		
					1	Std. Pkg.	Case
525-EN91	AA	1.5	24	144	.67	.65	.63
525-EN92	AAA	1.5	12	48	.67	.65	.63
525-EN93	C	1.5	12	72	1.33	1.25	1.18
525-EN95	D	1.5	12	72	1.19	1.14	1.10
525-EN22	9V	9	12	72	2.00	1.88	1.81

Eveready Industrial Heavy Duty Carbon Zinc

- Recommended for low to moderate drain application

MOUSER STOCK NO.	Size	Volts	Capacity mAh	Batteries per Pkg.	Price Per Package		
					1	12	48
525-1212BP-4	AAA	1.5	540	4	2.07	1.95	1.84
525-1215BP-4	AA	1.5	1100	4	2.04	1.93	1.81
525-1235-4	C	1.5	3800	4	2.43	2.30	2.16
525-1250-4	D	1.5	8000	4	2.43	2.30	2.16
525-1222BP-2	9V	9	400	2	2.54	2.39	2.25
525-1209	Lantern	6	12000	1	4.08	3.85	3.63

LONG LIFE (Carbon Zinc)

- Contains 0% mercury
- High performance at an affordable cost

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Capacity (mAh)	Cross Reference	Price Each			
					1	100	500	1000
639-GP-9V	9V	9.0	209	6F22	.74	.58	.48	.43

HEAVY DUTY (Zinc Chloride and Carbon Zinc)

- Contains 0% mercury
- More powerful than ordinary carbon zinc batteries

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Capacity (mAh)	Cross Reference	Price Each			
					1	100	500	1000
639-HD-AAA	AAA	1.5	300	R03P	.22	.21	.20	.19
639-HD-AA	AA	1.5	570	R6P	.25	.22	.20	.18
639-HD-C	C	1.5	1600	R14C	.58	.45	.36	.30
639-HD-D	D	1.5	8000	R20C	.72	.60	.53	.50
639-HD-9V	9V	9.0	228	6F22	.99	.79	.69	.59

Rechargeable Batteries and Chargers

SANYO CADNICA NICKEL-CADMIUM BATTERIES

- Nickel-cadmium batteries may be used in cyclic, trickle or float charge use.
- Operating temperature range: charge: 0 - 45°C (standard) 10° - 45°C (quick); discharge: -20° - 60°C; storage: -30° - 50°C

Standard/General

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Capacity mAh	Dimensions (In.) Diameter x Height	Price Each 1	10	50
Consumer Batteries							
639-N250AAA	AAA	1.2	250	0.41 x 1.75	2.24	2.11	2.05
639-N700AAC	AA	1.2	700	0.56 x 1.99	1.82	1.71	1.66
639-KR2000C	C	1.2	2000	1.02 x 1.97	5.00	4.50	4.06
639-KR4400D	D	1.2	4400	1.34 x 2.42	10.75	7.50	7.00
639-N6PT	9V	7.2	110	.67(W) x 1.02(L) x 1.91(H)	14.20	13.36	12.94
Specialty Batteries							
639-N110AA	1/3AA	1.2	110	0.57 x 0.67	1.95	1.75	1.70
639-N270AA	2/3AA	1.2	270	0.57 x 1.18	2.10	1.85	1.70
639-KR1300SC	SC	1.2	1300	0.91 x 1.69	2.23	2.10	2.03
639-KR1500SC	SC	1.2	1500	0.91 x 1.69	2.50	2.25	2.10
639-KR7000F	F	1.2	7000	1.69 x 3.58	23.86	21.47	19.09
639-N150N	N	1.2	150	0.47 x 1.18	2.35	2.10	2.00
Solder Tabs							
639-N250AAA-ST	AAA	1.2	250	0.41 x 1.75	2.75	2.45	2.30
639-N270AA-ST	2/3AA	1.2	270	0.57 x 1.18	2.31	2.21	1.98
639-N700AAC-ST	AA	1.2	700	0.56 x 1.99	2.14	1.90	1.80
639-KR1300SC-ST	SC	1.2	1300	0.91 x 1.69	2.80	2.50	2.35
639-KR1500SC-ST	SC	1.2	1500	0.91 x 1.69	2.90	2.75	2.60
639-KR4400D-ST	D	1.2	4400	1.34 x 2.42	10.71	8.90	8.50

High Capacity/Extra Series

- Operating temperature range: charge: 0 - 45°C (standard) 10° - 45°C (quick); discharge: -20° - 60°C; storage: -30° - 50°C

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Capacity mAh	Dimensions (In.) Diameter x Height	Price Each 1	10	50
639-KR800AAE	AA	1.2	800	0.56 x 1.99	2.15	1.90	1.80
639-KR1000AAU	AA	1.2	1000	0.56 x 1.99	3.10	2.79	2.65
639-KR600AE	2/3A	1.2	600	0.67 x 1.10	2.10	1.90	1.80
639-KR1100AEL	4/5A	1.2	1100	0.67 x 1.69	3.50	3.25	3.00
639-KR1400AE	A	1.2	1400	0.67 x 1.97	3.60	3.25	3.10
639-KR1800SCE	SC	1.2	1800	0.91 x 1.69	4.50	4.05	3.70
639-KR5000DEL	D	1.2	5000	1.34 x 2.36	9.18	8.64	8.37

POWERSONIC NICKEL-CADMIUM BATTERIES

- Nominal voltage: 1.2V

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Size	Description	Capacity 5 Hr. Rate (mAh)	Std. Charge (mA)	(Hrs)	Price Each 1	10	20	50
547-PS-AAA	AAA	Std. button top	250	22	15	1.65	1.50	1.38	1.33
547-PSAAA-T	AAA	With solder tabs	250	22	15	1.80	1.65	1.53	1.48
547-PS-AA	AA	Std. button top	600	60	15	1.50	1.35	1.23	1.19
547-PS-AA/FT	AA	Flat top	600	60	15	1.50	1.35	1.23	1.19
547-PSAA-T	AA	With solder tabs	600	60	15	1.65	1.50	1.38	1.33
547-PS-SC	SC	Flat top	1500	150	15	2.60	2.30	2.10	2.03
547-PS-SC-T	SC	With solder tabs	1500	150	15	2.75	2.45	2.25	2.18
547-PS-C	C	Flat top	2000	200	15	5.00	4.50	4.06	3.92
547-PS-C-T	C	With solder tabs	2000	200	15	5.15	4.65	4.21	4.08
547-PS-D	D	Flat top	4000	400	15	7.60	6.80	6.16	5.95
547-PS-DL	D	Std. button top	4000	400	15	7.60	6.80	6.16	5.95
547-PS-DF	D	Flat top	4500	450	15	9.40	8.45	8.19	7.91

GP NICKEL-CADMIUM BATTERIES

- Long life
- Sealed, strong, leakproof construction
- Excellent discharge characteristics

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Capacity (mAh)	Price Each 1	10	25	100
573-60AAK	AA	1.2	600	1.60	1.49	1.36	1.20
573-100AAK	AA	1.2	1000	3.09	2.77	2.57	1.98

GP 3.6V BATTERY PACKS

Features:
- Termination: solder tab
- For cordless devices

A

B

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Type	Capacity (mAh)	Price Each 1	10	25	100
573-30AAK3B1P	A	3 x 2/3 AA	Ni-Cad	300	4.99	4.50	3.99	3.81
573-60AAK3BP	A	3 x AA	Ni-Cad	600	4.99	4.50	3.99	3.81
573-320BVH3A1H	B	3 x button cells	NiMH	320	4.88	4.40	3.84	3.52

SANYO NICKEL METAL HYDRIDE BATTERIES

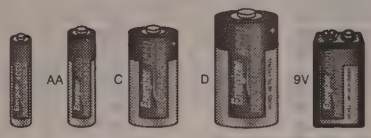
- * OEM Label packaging
- Operating temperature range: charge: 0°-40°C discharge: 0°-50°C storage: -20°C - 50°C

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Capacity mAh	Dimensions (In.) Diameter x Height	Price Each 1	10	50
Consumer Top							
* 639-HR-4U	AAA	1.2	650	0.41 x 1.75	2.70	2.40	2.30
* 639-HR-3U	AA	1.2	1650	0.56 x 1.99	3.15	2.88	2.60
Flat Top							
639-HR-AAAU	AAA	1.2	720	0.41 x 1.75	2.70	2.40	2.30
639-HR-AAC	AA	1.2	1100	0.56 x 1.99	2.99	2.75	2.50
639-HR-AAU	AA	1.2	1500	0.56 x 1.99	3.60	3.30	2.85
639-HR-AUX	A	1.2	2700	0.67 x 1.97	5.30	4.75	4.60
639-HR-SC	SC	1.2	2200	0.91 x 1.69	8.10	7.35	6.35
Solder Tabs							
639-HRAAAU-ST	AAA	1.2	720	0.41 x 1.75	3.00	2.70	2.60
639-HRAAC-ST	AA	1.2	1100	0.56 x 1.99	3.50	3.10	2.78
639-HRAAU-ST	AA	1.2	1500	0.56 x 1.99	4.20	3.85	3.33
639-HRSC-ST	SC	1.2	2200	0.91 x 1.69	8.64	7.92	6.84

ENERGIZER ACCU RECHARGEABLE NICKEL METAL-HYDRIDE BATTERIES

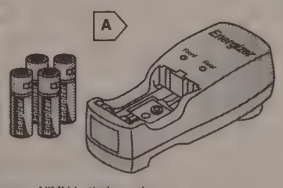
- Designed for high-drain devices
- Batteries charge up to 1,000 times
- Provides up to 70% more power than standard NiCd



MOUSER STOCK NO.	Size	Nominal Voltage	Capacity (mAh)	Batteries Per Pkg.	Price Per Pkg. 1	12	48
525-NH12BP-4	AAA	1.2	850	4	14.53	12.90	12.11
525-NH15BP-4	AA	1.2	2500	4	14.53	12.90	12.11
525-NH35BP-2	C	1.2	2500	2	10.60	9.42	8.84
525-NH50BP-2	D	1.2	2200	2	10.60	9.42	8.84
525-NH22NBP	9V	7.2	150	1	10.60	9.42	8.84

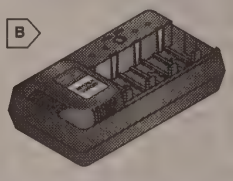
ENERGIZER ACCU RECHARGEABLE NIMH / NICD BATTERY CHARGERS

A



- Charges NiMH batteries only.
- LED indicator shows when charging is complete.
- Comes with 4 AA batteries.

B



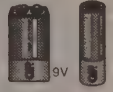
- Charges NiCd or NiMH batteries.
- LED indicator shows when charging is complete.
- Do not mix NiCd and NiMH batteries.

C

- Charges NiMH batteries only.
- LED indicator shows when charging is complete.
- Comes with 4 AA batteries.
- Charges in 15 minutes.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	6
525-CHM39WB	A	Charges 2-4 AAA or AA, or 1 9V batteries	23.99	19.99
525-CHM4FC	B	Charges 2-4 AAA, AA, C, or D, or 1-2 9V batteries	24.99	21.99
525-CH15MNCP4	C	Charges 1-4 AAA or AA batteries	44.99	40.99

GP NICKEL METAL HYDRIDE BATTERIES



For quantities of 500 and up, call for quote.

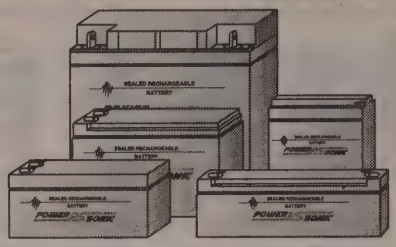
MOUSER STOCK NO.	Size	Volts	Cap. (mAh)	Price Each 1	10	25	100
573-GP130AA	AA	1.2	1300	2.42	2.22	1.92	1.72
573-GP160AA	AA	1.2	1600	2.75	2.53	2.20	1.98
573-GP180AAHC	AA	1.2	1800	3.50	2.53	2.20	2.30
573-GP17R7H	9V	7.2	170	7.53	7.06	6.41	5.15
573-GP17R8H	9V	8.4	170	9.09	7.95	7.15	6.82

Sealed Lead Acid Batteries and Chargers

POWERSONIC SEALED LEAD-ACID BATTERIES

Features:

- Sealed/maintenance-free
- Gel-type electrolyte
- Long shelf life
- High discharge rate
- Overcharge protection
- Wide operating temperature range
- Deep discharge recovery
- Immobilized electrolyte may be used in any position, however, it is recommended that they not be charged in an inverted position



* Flag terminals accept nut and bolt connectors

** Negative is .187" Faston, positive is .250 Faston

Batteries should be checked and fully charged before installation.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Nominal Volt.	Nominal Capacity @ 20 Hr. Rate A.H.	Terminal Type	Dimensions (In.)				Wt. (lbs.)	Price Each
				Lgth.	Width	Height	Ht. Ov. Term.		
547-PS-445	4	4.5	.250" Faston	1.93	2.09	3.70	3.86	1.5	11.75
547-PS-490	4	9.0	.250" Faston	4.02	1.73	3.70	3.86	2.4	15.85
547-PS-605	6	0.5	Wire Leads	2.24	0.55	1.97	1.97	0.2	13.00
547-PS-610	6	1.0	.187" Faston	2.00	1.65	2.00	2.20	0.6	9.68
547-PS-612H	6	1.2	.187" Faston	3.82	0.94	2.00	2.13	0.6	8.85
547-PS-630	6	3.4	.187" Faston	5.28	1.34	2.35	2.56	1.5	14.90
547-PS-640	6	4.5	.187" Faston	2.76	1.89	4.02	4.25	1.8	12.10
547-PS-665	6	6.5	**	3.86	2.20	4.05	4.05	3.0	15.25
547-PS-670	6	7.0	.187" Faston	5.95	1.34	3.70	3.86	3.0	12.40
547-PS-682	6	8.0	.187" Faston	3.86	2.20	4.65	4.65	3.3	15.65
547-PS-6100	6	12.0	.187" Faston	5.95	2.00	3.70	3.86	4.6	15.25
547-PS-6120	6	12.0	**	4.26	2.75	5.54	5.54	5.5	17.90
547-PS-6200	6	20.0	Nut and bolt	6.18	3.27	4.92	4.92	8.2	46.60
547-PS-6360	6	36.0	.250" Faston	6.25	3.35	6.50	6.95	13.8	43.00
547-PS-1208	12	0.8	Mate-N-Lok	3.78	0.98	2.42	2.42	0.8	16.90
547-PS-1212	12	1.2	.187" Faston	3.82	1.65	2.00	2.13	1.3	15.65
547-PS-1220	12	2.2	.187" Faston	7.01	1.34	2.36	2.56	1.9	17.85
547-PS1229	12	2.9	.187" Faston	7.01	1.34	2.36	2.56	2.2	22.35
547-PS-1230	12	3.4	.187" Faston	5.23	2.64	2.36	2.60	2.6	20.00
547-PS1250F1	12	5.0	.187" Faston	3.54	2.76	3.98	4.13	3.8	16.00
547-PS1250F2	12	5.0	.250" Faston	3.54	2.76	4.02	4.25	4.2	16.00
547-PS-1270	12	7.0	.187" Faston	5.95	2.56	3.70	3.86	5.7	17.85
547-PS-1282	12	8.0	.187" Faston	3.86	4.40	4.65	4.65	6.7	33.15
547-PS-12100	12	12.0	.250" Faston	5.95	4.00	3.70	3.86	9.2	34.90
547-PS-12120	12	12.0	.250" Faston	5.94	3.86	3.70	3.94	9.0	39.50
547-PS-12180F	12	18.0	.250" Faston	7.13	2.99	6.57	6.57	12.8	55.50
547-PS-12180	12	17.5	Nut and bolt	7.13	2.99	6.57	6.57	13.0	47.50
547-PS-12260	12	26.0	.250" Faston	6.89	6.54	4.92	4.92	18.7	65.40
547-PS12280	12	28.0	Nut and bolt	6.54	4.92	6.89	6.89	19.4	74.15
*547-PS-12330	12	35.0	Nut and bolt	7.75	5.19	6.38	7.15	26.5	69.95
*547-PS-12750	12	75.0	Nut and bolt	10.25	6.60	8.15	8.98	54.7	112.90
*547-PS121000	12	100.0	Nut and bolt	12.00	6.60	8.15	8.98	65.7	143.35

CSB BATTERY SEALED LEAD-ACID BATTERIES

The CSB battery is small, light weight and gives high performance while being economical to use. It can be utilized for more than 160 cycles at 100% discharge in cycle service, or three to five years in standby service. • 100% 2-Cycle tested **For quantities of 10 and up, call for quote.**

MOUSER STOCK NO.	Nominal Voltage	Nominal Capacity @ 20 Hr. Rate A.H.	Terminal Type	Dimensions (In.)				Wt. (lbs.)	Price Each
				Lgth.	Width	Height	Ht. Ov. Term.		
GP Series (General Purpose)									
632-GP645WL	6	4.5	Mate-N-Lok	2.76	1.89	4.02	4.25	1.80	9.59
632-GP645	6	4.5	.187" Faston	2.76	1.89	4.02	4.25	1.80	9.65
632-GP672	6	7.2	.187" Faston	5.94	1.34	3.70	3.94	2.90	13.23
632-GP6120	6	12.0	.187" Faston	5.94	1.97	3.70	3.94	4.43	15.48
632-GP6120F2	6	12.0	.250" Faston	5.94	1.97	3.70	3.94	4.43	16.97
632-GP1222	12	2.2	.187" Faston	7.01	1.34	2.36	2.60	2.10	14.83
632-GP1245	12	4.5	.187" Faston	3.65	2.75	4.02	4.25	3.62	14.22
632-GP1272	12	7.2	.187" Faston	5.94	2.56	3.70	3.94	5.67	18.20
632-GP1272F2	12	7.2	.250" Faston	5.95	2.56	3.70	3.94	5.67	18.20
632-GP12120F2	12	12.0	.250" Faston	5.94	3.85	3.70	3.94	8.86	31.65
632-GP12170	12	17.0	Nut & Bolt	7.13	3.00	6.50	6.57	13.00	43.93
632-GP12260	12	26.0	Nut & Bolt	6.54	6.89	4.80	4.92	20.40	67.60
632-GP12400	12	40.0	Nut & Bolt	7.76	6.50	6.63	6.69	32.70	101.94
PRISM Series (General Purpose)									
632-GH613	6	1.3	.187" Faston	3.82	0.95	2.05	2.32	0.66	6.24
632-GH633	6	3.3	.187" Faston	2.60	1.30	3.86	2.64	1.52	8.99
632-GH645	6	4.5	.187" Faston	2.76	1.85	3.98	4.21	1.85	5.56
632-GH6120	6	12.0	.187" Faston	5.95	2.21	3.70	3.94	4.52	12.57
632-GH6130WLF	6	13.0	Toy	4.21	1.97	5.51	5.51	4.79	16.67
632-GH1213	12	1.3	.187" Faston	3.82	0.98	2.05	2.22	1.28	14.75
632-GH1222	12	2.2	.187" Faston	7.01	1.69	2.36	2.64	2.09	12.41
632-GH1234	12	3.4	.187" Faston	5.28	2.64	2.36	2.64	3.02	11.52
632-GH1270	12	7.0	.187" Faston	5.94	2.56	3.70	3.94	8.86	13.98

EVX Series (Cycle Application)

MOUSER STOCK NO.	Nominal Voltage	Nominal Capacity @ 20 Hr. Rate A.H.	Terminal Type	Dimensions (In.)				Wt. (lbs.)	Price Each
				Lgth.	Width	Height	Ht. Ov. Term.		
632-EVX12170	12	17	Nut & Bolt	7.13	3.00	6.51	6.57	13.40	50.06
632-EVX12260	12	26	Nut & Bolt	6.54	6.89	4.80	4.92	21.60	63.80
632-EVX12340	12	34	Nut & Bolt	7.70	5.12	6.09	7.03	29.30	58.16

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Nom. Volt.	Watts/ Cell for 15 min. @ 25°C	Terminal Type	Dimensions (In.)				Wt. (lbs.)	Price Each
				Lgth.	Width	Height	Ht. Ov. Term.		
HC/HR Series (High Rate Discharge)									
632-HC1217W	12	17	Recessed Polarized	5.50	1.89	4.02	4.07	3.82	20.39
632-HC1221W	12	21	Recessed Polarized	5.50	1.89	4.02	4.07	4.40	20.80
632-HC1228W	12	28	Recessed Polarized	5.50	1.89	4.96	5.00	5.73	28.38
632-HR1221W	12	21	.250" Faston	3.54	2.76	4.01	4.17	4.40	22.47

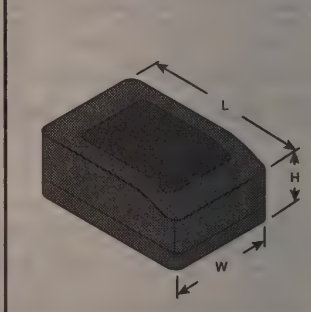
POWERSONIC C-SERIES SWITCH-MODE CHARGERS

- Useable on domestic and overseas input voltages
- Automatic, current sensing dual-rated charging
- L.E.Ds indicate 'power on' and "Fast" and "Float" charging modes

PRODUCT NEW

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Power Sonic Part No.	Output Voltage (V)		Output	Weight (lbs.)	Dimensions (in.)			Price Each	
		Nominal	Range			L	W	H	1	5
547-PSC-6300A-C	PSC-6300A-C	6	6.75-7.35	.3A	0.21	2.05	1.57	2.64	28.88	26.25
547-PSC-6500A-C	PSC-6500A-C	6	6.75-7.35	.5A	0.21	2.05	1.57	2.64	30.03	27.30
547-PSC-61000A-C	PSC-61000A-C	6	6.75-7.35	1A	0.30	2.24	1.73	3.23	33.57	30.52
547-PSC-64000A-C	PSC-64000A-C	6	6.75-7.35	4A	0.9	5.43	2.83	1.65	92.40	84.00
547-PSC-12300A-C	PSC-12300A-C	12	13.5-14.7	.3A	0.21	2.05	1.57	2.64	29.18	26.53
547-PSC12500A-C	PSC-12500A-C	12	13.5-14.7	.5A	0.3	2.24	1.73	3.23	30.49	27.72
547-PSC-12800A-C	PSC-12800A-C	12	13.5-14.7	.8A	0.3	2.24	1.73	3.23	32.34	29.40
547-PSC-124000A-C	PSC-124000A-C	12	6.75-7.35	4A	0.9	5.43	2.83	1.65	97.64	88.76
547-PSC-241000A-C	PSC-241000A-C	24	27.00-29.40	1A	0.9	5.43	2.83	1.65	85.01	77.28



CSB BATTERY FULLY AUTOMATIC CHARGERS

- Switch-mode technology
- Dual stage charging
- LED charge indicators
- Enclosed case

c UL us CE

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	CSB Part No.	Input Voltage	Nominal Output		Use With	Dimensions (in.)			Weight (lbs.)	Termination	Price Each	
			Voltage	Current		L	W	H			1	5
632-GHC610003S-A	GHC610003S-A	100-240VAC	6.9	1A	6V, 3-12Ah	2.16	2.20	3.20	1.50	Alligator Clip	16.84	14.90
632-GHC610003S-P	GHC610003S-P	100-240VAC	6.9	1A	6V, 3-12Ah	2.16	2.20	3.20	1.50	2.1x5.5mm DC Plug	16.84	14.90
632-GHC120003S-A	GHC1210003S-A	100-240VAC	13.8	1A	12V, 3-12Ah	2.60	2.36	3.50	2.00	Alligator Clip	17.74	15.70
632-GHC120003S-P	GHC1210003S-P	100-240VAC	13.8	1A	12V, 3-12Ah	2.60	2.36	3.50	2.00	2.1x5.5mm DC Plug	17.74	15.70

Rechargeable

Pure Lead and Sealed Lead Acid Batteries

A

B

C

EnerSys PURE LEAD RECHARGEABLE BATTERIES

- High-rate power density
- Capable of more than 300 cycles
- High stable voltage delivery
- Wide temperature range:
  Cyclon Single Cells: -65°C to +80°C
  Monobloc: -40°C to +40°C
- Fast Recharge- up to 95% recharge in less than one hour
- Maintains performance and physical parameters in extreme conditions
- Can be mounted and operated in any position
- Provides the longest service life possible
- Low self-discharge rate
- Rugged construction

Cyclon 2 Volt Single Cells

NEW SUPPLIER

∗ With 6mm negative / 8mm positive post terminals.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Enersys Part No.	Fig.	Size	Capacity (Ah)	Dimensions (In.)					Price Each			
					Diameter	Height	Height Over Term.	Weight (lbs.)	Tabs	1	5	10	25
846-0810-0004	0810-0004	A	D	2.5	1.35	2.41	2.68	0.39	.187x0.25	6.36	5.85	5.50	5.16
846-0800-0004	0800-0004	A	X	5.0	1.75	2.87	3.21	0.80	.250 x .025	9.62	8.84	8.32	7.80
846-0840-0004	0840-0004	A	J	12.0	2.04	4.85	5.34	1.85	0.312 x 0.032	40.29	37.03	34.85	32.67
∗ 846-0820-0004	0820-0004	A	BC	25.0	2.57	6.25	6.82	3.68	M6 (-) and M8 (+)	40.29	37.03	34.85	32.67

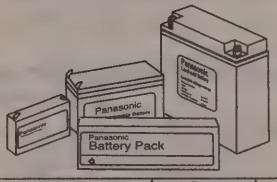
Cyclon 4 and 6 Volt Monoblocs

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Enersys Part No.	Fig.	Size	Capacity (Ah)	Dimensions (In.)					Price Each			
					Diameter	Height	Height Over Term.	Weight (lbs.)	Tabs	1	5	10	25
4 Volt													
846-0819-0010	0819-0010	B	D	2.5	3.13	1.81	2.75	0.8	0.187 x .025	13.12	12.05	11.34	10.63
846-0809-0010	0809-0010	B	X	5.0	3.80	2.12	3.02	1.62	0.250 x .025	18.11	16.64	15.66	14.68
846-0859-0010	0859-0010	B	E	8.0	3.81	2.13	4.00	2.11	0.250 x .025	20.00	18.38	17.30	16.51
6 Volts													
846-0819-0012	0819-0012	C	D	2.5	4.48	1.81	2.75	1.15	0.187 x .025	15.61	14.35	13.50	12.66
846-0809-0012	0809-0012	C	X	5.0	5.48	2.12	3.02	2.16	0.250 x .025	21.65	19.89	18.72	17.55
846-0859-0012	0859-0012	C	E	8.0	5.48	2.13	4.00	3.15	0.250 x .025	25.68	23.60	22.21	20.82

Panasonic. SEALED LEAD-ACID BATTERIES

- High quality and reliability
- Exceptional deep discharge recover
- No corrosive gas generation
- Long service life
- Quick chargeability
- High power density
- Maintenance-free operation



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Nominal Voltage	Capacity 20 Hr. Rate (Ah)	Terminal Type	Dimensions (In.)			Weight (lbs.)	Cycle Use		Trickle Use		Price Each
					L	W	H		Initial Current	Control Volt.	Initial Current	Control Volt.	
658-LCR061R3P	LC-R061R3P	6	1.3	.187" Faston	3.82	0.95	1.97	0.66	0.52A	7.25-7.45V	0.195A	6.8-6.9V	10.15
658-LCR063R4PU	LC-R063R4PU	6	3.4	.187" Faston	5.28	1.34	2.36	1.37	1.36A	14.5-14.9V	0.51A	13.6-13.8V	16.75
658-LCR064R2P	LC-R064R2P	6	4.2	.187" Faston	2.76	1.89	4.02	1.72	1.68A	7.25-7.45V	4.2A	6.8-6.9V	10.75
658-LCR067R2P	LC-R067R2P	6	7.2	.187" Faston	5.95	1.34	3.70	2.78	2.88A	7.25-7.45V	1.08A	6.8-6.9V	15.70
658-LCR067R2P1	LC-R067R2P1	6	7.2	.250" Faston	5.95	1.34	3.70	2.78	2.88A	7.25-7.45V	1.08A	6.8-6.9V	15.70
658-LCR067R2P2	LC-R067R2P2	6	7.2	+.250"/-.187"	5.95	1.34	3.70	2.78	2.88A	7.25-7.45V	1.08A	6.8-6.9V	15.70
658-LCR0612P	LC-R0612P	6	12.0	.187" Faston	5.95	1.97	3.70	4.30	4.8A	7.25-7.45V	1.8A	6.8-6.9V	17.13
658-LCR0612P1	LC-R0612P1	6	12.0	.250" Faston	5.95	1.97	3.70	4.30	4.8A	7.25-7.45V	1.8A	6.8-6.9V	17.13
658-LCR121R3PU	LC-R121R3PU	12	1.3	.187" Faston	3.82	1.87	1.97	1.30	4.8A	7.25-7.45V	1.8A	6.8-6.9V	19.60
658-LCR122R2PU	LC-R122R2PU	12	2.2	.187" Faston	6.97	1.34	2.36	1.76	0.88A	14.5-14.9V	0.33A	13.6-13.8V	22.70
658-LCR123R4PU	LC-R123R4PU	12	3.4	.187" Faston	5.28	2.64	2.36	2.65	1.36A	14.5-14.9V	0.51A	13.6-13.8V	28.45
658-LCR127R2P	LC-R127R2P	12	7.2	.187" Faston	5.95	2.54	3.70	5.45	2.88A	14.5-14.9V	1.08A	13.6-13.8V	23.35
658-LCR127R2P1	LC-R127R2P1	12	7.2	.250" Faston	5.95	2.54	3.70	5.45	2.88A	14.5-14.9V	1.08A	13.6-13.8V	23.35
658-LCRD1217P	LC-RD1217P	12	17.0	Nut and Bolt	7.13	2.99	6.57	14.34	6.8A	14.5-14.9V	2.55A	13.6-13.8V	43.55
658-LCX1228P	LC-X1228P	12	28.0	Nut and Bolt	6.50	4.92	6.89	24.30	11.2A	14.5-14.9V	----	----	76.25
658-LCLA1233P	LC-LA1233P	12	33.0	Nut and Bolt	7.70	5.12	6.10	26.50	13.2A	14.5-14.9V	4.95A	13.6-13.8V	84.40

BK PRECISION BATTERY CAPACITY ANALYZER

Applications:
The need for battery maintenance tools is growing for use in Automotive, Field Service and Maintenance, Telecommunications, and UPS Manufacturing/Maintenance applications. Perfect instrument for anyone working with UPS systems, Emergency back-up Flood Lights, Home and Business Security Alarm Systems, or for any applications using a 12 volt lead acid battery.

Specifications:
- Measures both No Load Voltage and Battery Capacity
- Displays storage capacity of 12V lead acid batteries as a percentage
- Powered by battery under test

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	B & K Part No.	Max Input Volt.	Dimensions (In.)			Weight (lbs)	Cap. Display Range	Price Each
			W	H	D			
615-600	600	20V	3.14	6.30	1.60	2.20	0-100%	299.00

VARTA MICROBATTERY Batteries and Battery Packs

VARTA THE BATTERY EXPERTS

RECHARGABLE NICKEL-METAL HYDRIDE BUTTON CELLS

- Nominal cell voltage 1.2 V
- Wide operating temperature range
- Bare cells
- Built-in safety device
- No memory effect
- Cycle applications (IEC): 1,000 cycles
- Long life expectancy at trickle charge: up to 6 years at 20°C, up to 3 years at 45°C

High Capacity Series

- UL Recognition
- Limited fast charge possible (within 3 h at 0.5 CA, at +20°C, after fully discharged cells)
- Suitable for overcharging at room temperature
- Self-discharge less than 10% after 1 month at +20°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Varta Part No.	Fig.	Type	Capacity mAh	Dimensions (In.)			Price Each			
					Length	Width	Dia. x Height	1	10	50	100
672-55602	55602101501	A	V15H	16	-	-	0.45 x 0.12	1.20	1.14	1.08	1.02
672-55604	55604101501	A	V40H	43	-	-	0.45 x 0.21	1.60	1.52	1.44	1.36
672-55608	55608101501	A	V80H	80	-	-	0.61 x 0.24	1.82	1.73	1.64	1.55
672-55615	55615101501	B	V150H	150	0.56	1.01	.23 (H)	2.00	1.90	1.80	1.70
672-55620	55620101501	B	V200H	220	0.56	1.01	.29 (H)	2.08	1.98	1.87	1.77
672-55625	55625101501	A	V250H	250	-	-	0.99 x 0.26	2.14	2.03	1.93	1.82
672-55630	55630101501	A	CP300H	300	-	-	0.99 x 0.30	2.14	2.03	1.93	1.82
672-55635	55635101501	A	V350H	380	-	-	0.99 x 0.35	2.20	2.09	1.98	1.87

High Temperature Series

- UL Recognition
- Limited fast charge possible (within 3 h at 0.5 CA, at +20 C, after fully discharged cells)
- Suitable for overcharging at room temperature
- Self-discharge less than 10% after 1 month at +20°C
- Long life expectancy especially at charging/trickle charging and discharging at higher ambient temperature

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Varta Part No.	Fig.	Type	Capacity mAh	Dimensions (In.)			Price Each			
					Length	Width	Dia. x Height	1	10	50	100
672-55707	55707101501	A	V65HT	70	-	-	.61 x .24	1.82	1.73	1.64	1.55
672-55711	55711101501	B	V110HT	120	0.56	1.01	.23 (H)	2.14	2.03	1.93	1.82
672-55851	55851101501	B	V500HRT	520	0.95	1.34	.25 (H)	3.44	3.27	3.10	2.92

High Rate Series

- Self-discharge less than 20% after 1 month at +20°C
- No memory effect
- Long life - typical 500 full cycles

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Varta Part No.	Fig.	Type	Capacity mAh	Dimensions (In.)			Price Each			
					Length	Width	Dia. x Height	1	10	50	100
672-55603	55603101501	C	V20HR	22	-	-	.49 x .09	1.34	1.27	1.21	1.14
672-55945	55945101501	D	V450HR	460	0.95	1.34	0.21 (H)	2.24	2.13	2.02	1.90
672-55960	55960101501	D	V600HR	600	0.95	1.34	0.25 (H)	3.84	3.65	3.46	3.26

VARTA RECHARGEABLE NICKEL-METAL HYDRIDE 9V BATTERY

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Varta Part No.	Fig.	Type	Capacity mAh	Dimensions (In.)	Price Each			
					Length x Width x Height	1	10	50	100
672-05522	05522101052	E	V7/8 150	150	1.91 x 1.05 x 0.62	10.64	10.11	9.58	9.04

VARTA RECHARGEABLE NICKEL-METAL HYDRIDE BUTTON CELL BATTERIES FOR MEMORY PROTECTION

- These batteries are designed for memory backup (MBU) and support to RTC (Real Time Clock) in various electronic applications.
- Button cell batteries in the charged state are suitable for wave soldering.

For quantities of 200 and up, call for quote.

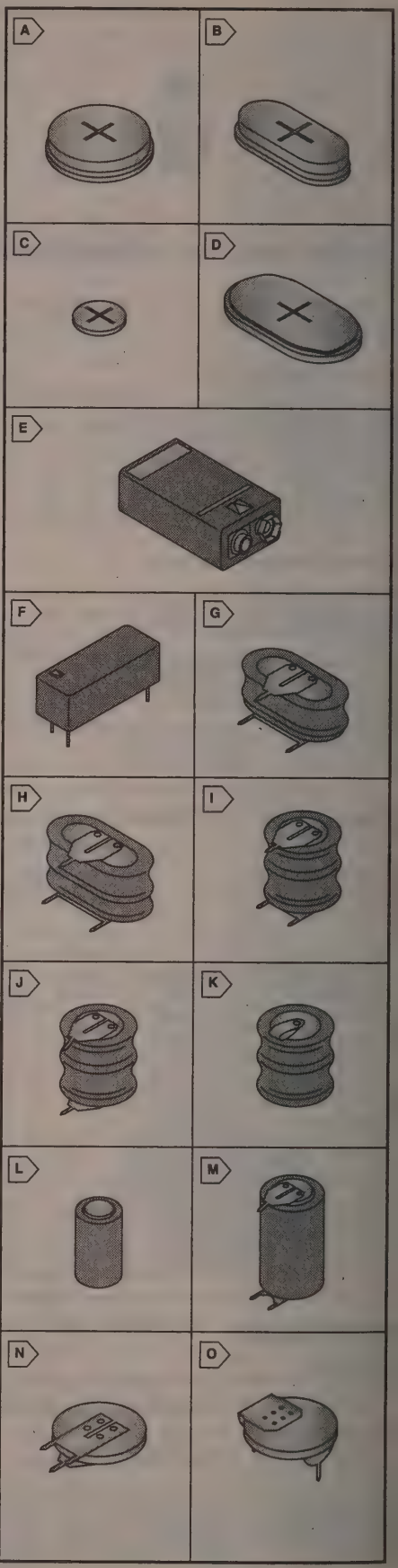
MOUSER STOCK NO.	Varta Part No.	Fig.	Type	No. of Cells/Pins	Capacity mAh	Price Each			
						1	10	50	100
672-55615702	55615702012	F	2/V150H MEMPAC	2/4	150	6.10	5.80	5.49	5.19
672-55615703	55615703012	F	3/V150H MEMPAC	3/4	150	8.96	8.51	8.06	7.62
672-55615302	55615302059	G	2/V150H	2/3	150	4.98	4.73	4.48	4.23
672-55615303	55615303059	H	3/V150H	3/3	150	7.38	7.01	6.64	6.27
672-55608303059	55608303059	I	3/V80H	3/3	80	5.66	5.38	5.09	4.81
672-55608303012	55608303012	J	3/V80H	3/2	80	5.66	5.38	5.09	4.81
672-55608303060	55608303060	K	3/V80H	3/tabs	80	5.66	5.38	5.09	4.81

VARTA LITHIUM BATTERIES

- High open circuit and load voltage (above 3 V per cell)
- High energy density (400 Wh/kg and 600 Wh/l)
- High capacity and high rate cell construction
- Flat discharge profile under low to medium rate applications

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Varta Part No.	Fig.	Type	Capacity mAh	Dimensions (In.)	Price Each			
					Dia. x Height	1	10	50	100
672-61271	6127101301	L	CR1/2AA	950	0.58 x 0.99	4.32	4.10	3.89	3.67
672-61272	6127201301	M	CR1/2AASLF	950	0.58 x 0.99	4.98	4.73	4.48	4.23
672-62371	6237101301	L	CR2/3AA	1350	0.58 x 1.32	4.90	4.66	4.41	4.17
672-60322	6032201501	N	CR2032 SLF	230	.79 x .13	1.10	1.05	.99	.94
672-60324	6032401501	O	CR2032 PCB	230	.79 x .13	1.10	1.05	.99	.94



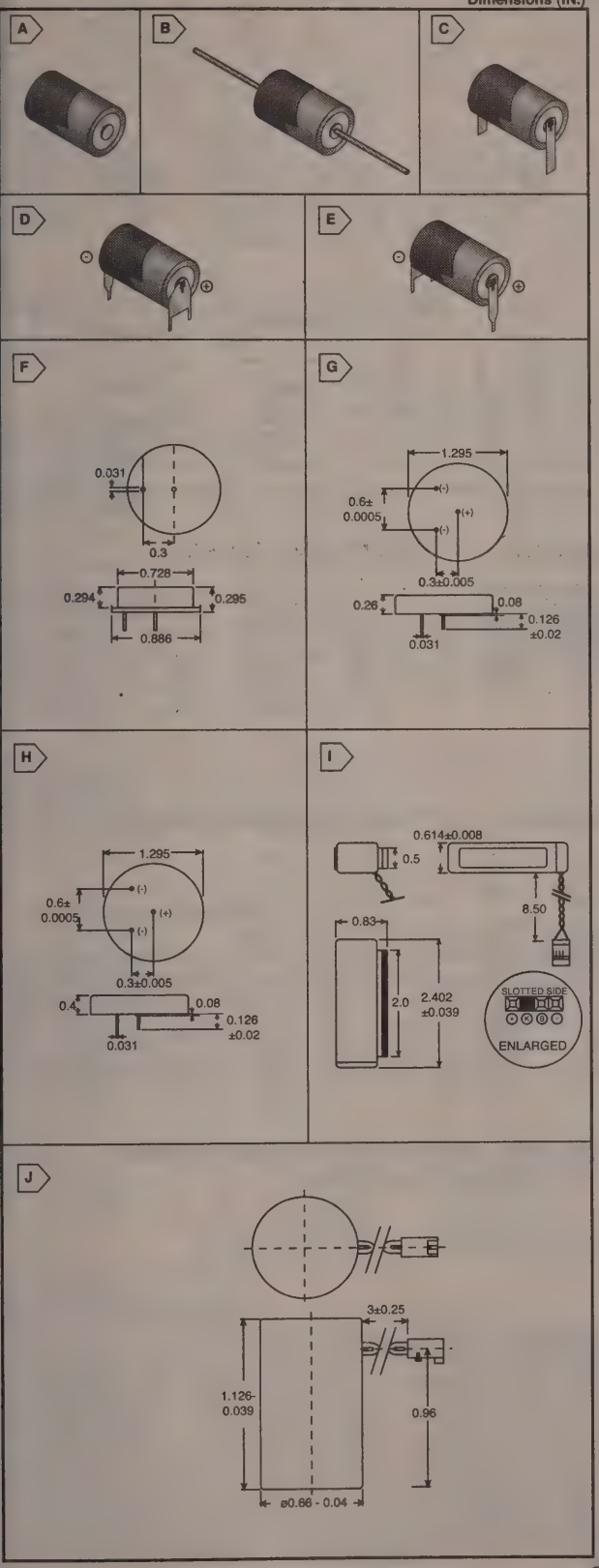
TADIRAN Lithium Batteries

TADIRAN Lithium Batteries

Tadiran's Lithium chloride chemistry offers the highest intrinsic negative potential, resulting in the highest specific energy and highest energy, outperforming all other competing chemistries.

- Long shelf life
- Higher capacity
- Greater energy density
- Operating temperature range: -55°C - -85°C

Dimensions (IN.)



TADIRAN XTRA SERIES CYLINDRICAL CELLS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Volts	Capacity (Ah)	Dimensions (in.)	Price Each 1	10	50
Pressure Contacts								
667-TL2150S	A	1/2AA	3.6	.95	.57 x .99	5.25	4.95	4.65
667-TL2155S	A	2/3AA	3.6	1.45	.57 x 1.32	6.98	6.58	6.18
667-TL2100S	A	AA	3.6	2.1	.57 x 1.99	6.65	6.27	5.89
667-TL2200S	A	C	3.6	7.2	1.03 x 1.97	13.86	13.07	12.28
667-TL2300S	A	D	3.6	16.5	1.3 x 2.42	17.50	16.50	15.50
Axial Leads								
667-TL2150P	B	1/2AA	3.6	.95	.57 x .99	5.51	5.20	4.88
667-TL2155P	B	2/3AA	3.6	1.45	.57 x 1.32	7.23	6.81	6.40
667-TL2100P	B	AA	3.6	2.1	.57 x 1.99	6.82	6.44	6.05
Solder Tabs								
667-TL2150T	C	1/2AA	3.6	.95	.57 x .99	5.69	5.36	5.04
667-TL2155T	C	2/3AA	3.6	1.45	.57 x 1.32	7.23	6.81	6.40
667-TL2100T	C	AA	3.6	2.1	.57 x 1.99	6.65	6.27	5.89
667-TL2200T	C	C	3.6	7.2	1.03 x 1.97	13.83	13.04	12.25
667-TL2300T	C	D	3.6	16.5	1.3 x 2.42	17.94	16.91	15.89
Polarized Tabs (two pins on positive end)								
667-TL2150PT	D	1/2AA	3.6	.95	.57 x .99	6.56	6.19	5.81
667-TL2155PT	D	2/3AA	3.6	1.45	.57 x 1.32	7.23	6.81	6.40
667-TL2100PT	D	AA	3.6	2.1	.57 x 1.99	6.98	6.58	6.18
Polarized Tabs (two pins on negative end)								
667-TL2150TP	E	1/2AA	3.6	.95	.57 x .99	6.56	6.19	5.81
667-TL2155TP	E	2/3AA	3.6	1.45	.57 x 1.32	7.23	6.81	6.40
667-TL2100TP	E	AA	3.6	2.1	.57 x 1.99	6.98	6.58	6.18

TADIRAN XTRA SERIES HIGH CAPACITY CYLINDRICAL CELLS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Volts	Capacity (Ah)	Dimensions (in.)	Price Each 1	10	50
Pressure Contacts								
667-TL5902S	A	1/2AA	3.6	1.2	.57 x .99	6.21	5.89	5.50
667-TL5955S	A	2/3AA	3.6	1.65	.57 x 1.32	7.86	7.41	6.96
667-TL5903S	A	AA	3.6	2.4	.57 x 1.99	7.70	7.26	6.82
667-TL5920S	A	C	3.6	8.5	1.03 x 1.97	18.01	16.98	15.95
667-TL5930S	A	D	3.6	19.0	1.3 x 2.42	23.19	21.86	20.54
Axial Leads								
667-TL5902P	B	1/2AA	3.6	1.2	.57 x .99	6.39	6.02	5.66
667-TL5955P	B	2/3AA	3.6	1.65	.57 x 1.32	8.21	7.74	7.27
667-TL5903P	B	AA	3.6	2.4	.57 x 1.99	8.05	7.59	7.13
Solder Tabs								
667-TL5902T	C	1/2AA	3.6	1.2	.57 x .99	6.65	6.27	5.89
667-TL5955T	C	2/3AA	3.6	1.65	.57 x 1.32	8.21	7.74	7.27
667-TL5903T	C	AA	3.6	2.4	.57 x 1.99	8.14	7.67	7.21
667-TL5920T	C	C	3.6	8.5	1.03 x 1.97	18.38	17.33	16.28
667-TL5930T	C	D	3.6	19.0	1.3 x 2.42	23.63	22.28	20.93
Polarized Tabs (two pins on positive end)								
667-TL5902PT	D	1/2AA	3.6	1.2	.57 x .99	6.98	6.58	6.18
667-TL5955PT	D	2/3AA	3.6	1.65	.57 x 1.32	8.21	7.74	7.27
667-TL5903PT	D	AA	3.6	2.4	.57 x 1.99	8.73	8.23	7.73
Polarized Tabs (two pins on negative end)								
667-TL5902TP	E	1/2AA	3.6	1.2	.57 x .99	6.98	6.58	6.18
667-TL5955TP	E	2/3AA	3.6	1.65	.57 x 1.32	8.21	7.74	7.27
667-TL5903TP	E	AA	3.6	2.4	.57 x 1.99	8.73	8.23	7.73

TADIRAN MBU SERIES CYLINDRICAL CELLS

• Memory Backup

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Volts	Capacity (Ah)	Dimensions (in.)	Price Each 1	10	50
Pressure Contacts								
667-TL5101S	A	1/2AA	3.6	.95	.57 x .99	4.81	4.54	4.26
667-TL5155S	A	2/3AA	3.6	1.45	.57 x 1.32	6.56	6.19	5.81
667-TL5104S	A	AA	3.6	2.1	.57 x 1.99	5.86	5.53	5.19
Axial Leads								
667-TL5101P	B	1/2AA	3.6	.95	.57 x .99	5.25	4.95	4.65
667-TL5155P	B	2/3AA	3.6	1.45	.57 x 1.32	6.98	6.58	6.18
667-TL5104P	B	AA	3.6	2.1	.57 x 1.99	6.30	5.94	5.58
Solder Tabs								
667-TL5101T	C	1/2AA	3.6	.95	.57 x .99	5.16	4.87	4.57
667-TL5155T	C	2/3AA	3.6	1.45	.57 x 1.32	6.98	6.58	6.18
667-TL5104T	C	AA	3.6	2.1	.57 x 1.99	6.21	5.86	5.50

TADIRAN MBU SERIES WAFER CELLS

• Memory Backup

For quantities of 100 and up, call for quote.

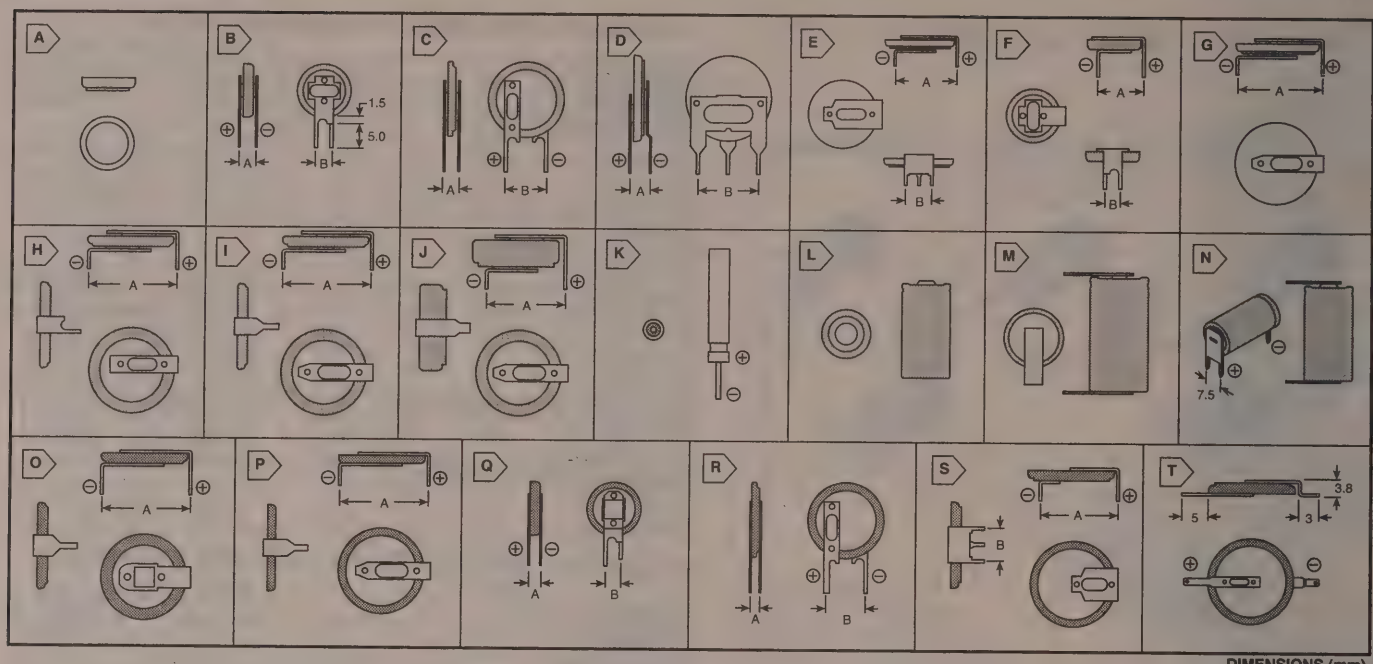
MOUSER STOCK NO.	Fig.	Size	Volts	Capacity (Ah)	Dimensions (in.)	Price Each 1	10	50
667-TL5186P	F	BEL	3.6	.4	.89 x .27	4.81	4.54	4.26
667-TL5134	G	1/10D	3.6	1.0	1.3 x .26	6.56	6.19	5.81
667-TL5135	H	1/6D	3.6	1.7	1.3 x .39	6.91	6.51	6.12

TADIRAN BATTERY PACKS

• Memory Backup

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Volts	Capacity (Ah)	Dimensions (in.)	Price Each 1	10	50
667-TL5242W	I	3.6	2.1	.61 x .76 x 2.41	9.00	8.45	8.10
667-TL5276W	J	3.6	.95	ø.66 x 1.13	9.63	9.08	8.53



DIMENSIONS (mm)

Panasonic. 3V LITHIUM COIN CELLS

BR Series:
- Lithium Poly-Carbonmonofluoride
- Stable voltage discharge
- Suitable for low drain devices
- Suitable for high temperature applications
- Operating temperature -30° ~ +80°C

CR Series:
- Lithium Manganese Dioxide
- Tapered voltage discharge
- Suitable for high drain devices
- Operating temperature -30° ~ +60°C

Coin Cells

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Capacity (mAh)	Dimensions (mm)	Price Each 1	10	25	50
658-BR1216	BR1216	A	25	12.5 x 1.6	1.35	1.24	1.16	1.09
658-BR1225	BR1225	A	48	12.5 x 2.0	1.37	1.25	1.18	1.10
658-BR1616	BR1616	A	48	16.0 x 2.5	1.37	1.25	1.18	1.10
658-BR1632	BR1632	A	120	16.0 x 3.2	1.50	1.24	1.07	1.00
658-BR2016	BR2016	A	75	20.0 x 1.6	1.25	1.13	1.09	1.05
658-BR2032	BR2032	A	190	20.0 x 3.2	1.39	1.30	1.22	1.17
658-BR2320	BR2320	A	110	23.0 x 2.0	1.46	1.37	1.20	1.16
658-BR2325	BR2325	A	165	23.0 x 2.5	1.44	1.32	1.24	1.16
658-BR2330	BR2330	A	255	23.0 x 3.0	2.04	1.80	1.68	1.56
658-BR3032	BR3032	A	500	30.0 x 3.2	2.96	2.66	2.51	2.37
658-CR1025	CR1025	A	30	10.0 x 2.5	1.14	1.01	.94	.90
658-CR1216	CR1216	A	25	12.0 x 1.6	1.11	1.02	.90	.84
658-CR1220	CR1220	A	35	12.0 x 2.0	1.05	.92	.79	.73
658-CR1616	CR1616	A	55	16.0 x 1.6	.81	.72	.68	.63
658-CR1620	CR1620	A	75	16.0 x 2.0	.96	.88	.80	.75
658-CR1632	CR1632	A	125	16.0 x 3.2	1.11	.99	.93	.87
658-CR2012	CR2012	A	55	20.0 x 1.2	1.22	1.11	1.04	1.01
658-CR2016	CR2016	A	90	20.0 x 1.6	.45	.42	.40	.39
658-CR2025	CR2025	A	165	20.0 x 2.5	.49	.45	.42	.40
658-CR2032	CR2032	A	220	20.0 x 3.2	.45	.42	.40	.39
658-CR2320	CR2320	A	130	23.0 x 2.0	1.22	1.15	1.11	1.07
658-CR2330	CR2330	A	265	23.0 x 3.0	1.57	1.45	1.36	1.28
658-CR2354	CR2354	A	560	23.0 x 5.4	1.67	1.57	1.51	1.46
658-CR2477	CR2477	A	1000	24.5 x 7.7	3.30	3.09	2.98	2.88
658-CR3032	CR3032	A	500	30.0 x 3.2	2.53	2.19	2.06	1.91

Coin Cells w/ PC Mount Pins

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Cap. (mAh)	Dimensions (mm) Battery	A	B	Price Each 1	10	25	50
658-BR1225-1VC	BR1225/1VC	B	48	12.5 x 2.5	3.0	3.25	1.74	1.63	1.57	1.51
658-BR2325-1VC	BR2325/1VC	C	165	23.0 x 2.5	3.2	10.70	1.71	1.61	1.55	1.50
658-BR2330-1VC	BR2330/1VC	C	255	23.0 x 3.0	3.9	11.45	2.09	2.02	1.95	1.88
658-BR2325-1VG	BR2325/1VG	D	165	23.0 x 2.5	5.1	15.24	1.86	1.74	1.68	1.62
658-BR2325-1HG	BR2325/1HG	E	165	23.0 x 2.5	20.5	7.50	1.71	1.61	1.55	1.50
658-BR1225-1HC	BR1225/1HC	F	48	12.5 x 2.0	10.0	3.25	1.73	1.58	1.53	1.48
658-BR2032-1HE	BR2032/1HE	G	190	20.0 x 3.2	20.5	- - -	1.96	1.78	1.73	1.67
658-BR2325-1HC	BR2325/1HC	H	165	23.0 x 2.5	20.5	- - -	1.71	1.61	1.55	1.50
658-BR2330-1HE	BR2330/1HE	I	255	23.0 x 3.0	20.5	- - -	2.30	2.03	1.90	1.83
658-CR2477-1HF	CR2477/1HF	J	1000	24.5 x 7.7	20.5	- - -	4.31	3.90	3.77	3.23

Panasonic. 3V LITHIUM COIN CELLS (cont.)

3V Lithium Pin Type

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Capacity (mAh)	Dimensions (mm)	Price Each 1	10	25	50
658-BR425	BR425	K	25	4.2 x 25.9	3.60	3.30	3.10	2.90
658-BR435	BR435	K	50	4.2 x 35.9	3.75	3.38	3.30	3.25

Panasonic. 3V LITHIUM CYLINDRICAL CELLS

- High energy density
- Long shelf life
- Operating temperature -40° ~ +85°C
- High rate discharge

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Capacity (mAh)	Dimensions (mm)	Price Each 1	10	25	50
658-BR2-3ASSP	BR-2/3ASSP	L	1200	17.0 x 33.5	4.23	3.75	3.49	3.36
658-BR2-3AT2SP	BR-2/3AT2SP	M	1200	17.0 x 33.5	4.75	4.48	4.20	3.92
658-BR2-3AE2SP	BR-2/3AE2SP	N	1200	17.0 x 33.5	5.18	4.62	4.20	3.92
658-BR-A	BR-A	L	1800	17.0 x 45.5	8.75	7.99	7.25	6.99
658-BR-C	BR-C	L	5000	26.0 x 50.0	13.16	12.06	10.97	10.23
658-BR-CT2SP	BR-CT2SP	M	5000	26.0 x 50.0	13.88	12.69	11.50	11.10

Panasonic. VANADIUM PENTOXIDE LITHIUM 3V RECHARGEABLE BATTERIES

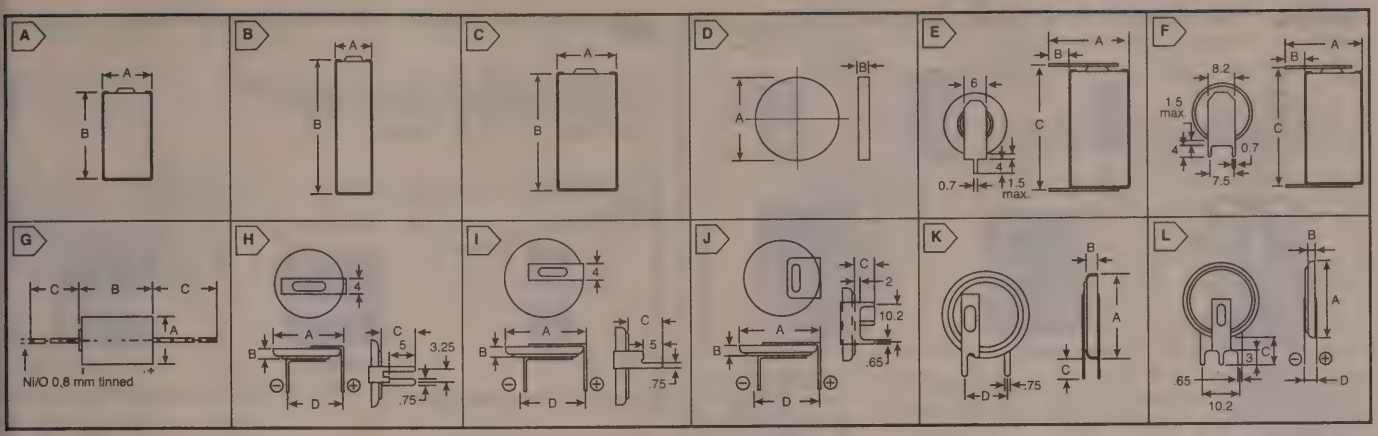
Compact, high energy batteries that have nearly twice the energy of conventional button-shaped Ni-Cd batteries.

- Operating temperature -20° ~ +60°C
- Self-discharge per year: 2%
- Charge voltage: 3.25V ~ 3.55V
- Charge-discharge cycles: 1000

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Cap. (mAh)	Dimensions (mm) Battery	A	B	Price Each 1	10	25	50
658-VL1220-1HF	VL1220-1HF	O	7.0	12.5 x 2.0	10.0	- - -	4.44	3.92	3.65	3.52
658-VL2020-1HF	VL2020-1HF	P	20.0	20.0 x 2.0	20.5	- - -	4.73	4.17	3.89	3.75
658-VL2320-1HF	VL2320-1HF	P	30.0	23.0 x 2.0	20.5	- - -	5.83	5.15	4.80	4.63
658-VL2330-1HF	VL2330-1HF	P	50.0	23.0 x 3.0	20.5	- - -	7.19	6.35	5.92	5.71
658-VL1220-1VC	VL1220-1VC	Q	7.0	12.5 x 2.0	2.5	3.25	4.44	3.92	3.65	3.52
658-VL2020-1VC	VL2020-1VC	R	20.0	20.0 x 2.0	2.7	10.2	4.73	4.17	3.89	3.75
658-VL2320-1VC	VL2320-1VC	R	30.0	23.0 x 2.0	2.7	10.2	5.83	5.15	4.80	4.63
658-VL2330-1VC	VL2330-1VC	R	50.0	23.0 x 3.0	3.7	10.2	7.19	6.35	5.92	5.71
658-VL3032-1GUF	VL3032-1GUF	S	100.0	30.0 x 3.2	25.4	10.2	9.23	8.15	7.60	7.33
658-VL3032-1F2	VL3032-1F2	T	100.0	30.0 x 3.2	solder tabs		9.23	8.15	7.60	7.33

Lithium Batteries and Holders



SANYO 3V LITHIUM COIN/CYLINDRICAL CELLS WITH PC PINS

Dimensions:
A-Diameter of Cell
B-Height/Thickness of Cell
C-Lead Length
D-Lead Spacing

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Capacity mAh	Dimensions (mm) A	B	C	D	Price Each 1	10	50
Cylindrical Cells									
639-CR14250SE	A	850	14.5	25.0	-	-	5.88	5.35	4.89
639-CR17335-SE	A	1800	17.0	33.5	-	-	9.32	8.47	7.70
639-CR12600SE	B	1500	12.0	60.0	-	-	9.98	9.08	8.25
639-CR17450SE	A	2500	17.0	45.0	-	-	11.44	10.40	9.45
639-CR23500SE	C	5000	23.0	50.0	-	-	27.55	25.05	22.77
Coin Cells									
639-CR1220	D	35	12.5	2.0	-	-	1.38	1.20	1.09
639-CR2016	D	80	20.0	1.6	-	-	1.05	0.91	0.83
639-CR2025	D	160	20.0	2.5	-	-	1.05	0.91	0.83
639-CR2032	D	220	20.0	3.2	-	-	1.05	0.91	0.83
639-CR2430	D	280	24.5	3.0	-	-	1.99	1.73	1.57

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Capacity mAh	Dimensions (mm) A	B	C	D	Price Each 1	10	50
Cylindrical Cells with PC Pins									
639-CR14250SET-P1	E	850	14.5	5.5	25.5	-	6.84	5.95	5.41
639-CR14250SET-FT	F	850	14.5	5.5	25.5	-	6.84	5.95	5.41
639-CR14250SET-SP1	G	850	14.5	25.0	35.0	-	6.84	5.95	5.41
639-CR17335SET-FT	F	1800	17.0	5.5	34.0	-	9.74	8.47	7.70
Coin Cells with PC Pins									
639-CR1220-P1	H	35	14.0	2.0	6.5	10.0	1.78	1.55	1.41
639-CR2032-T141	I	190	21.5	3.2	6.5	20.5	1.94	1.69	1.54
639-CR2032-P51	I	190	21.0	3.2	9.0	15.2	2.02	1.76	1.60
639-CR2032-FT1	J	190	21.0	3.2	6.0	15.2	1.94	1.69	1.54
639-CR2032-T92	K	190	20.5	3.2	4.5	10.5	1.94	1.69	1.54
639-CR2032-FT42	L	190	20.5	3.2	5.0	3.4	2.02	1.76	1.60
639-CR2430-P1-2	I	270	25.5	3.0	6.5	20.3	2.30	2.00	1.82
639-CR2430-FT1	J	270	25.0	3.0	6.0	17.8	2.30	2.00	1.82
639-CR2430-P22	K	270	25.0	3.0	4.5	10.5	2.30	2.00	1.82
639-CR2430-FT42	L	270	25.0	3.0	5.0	3.2	2.30	2.00	1.82
639-CR2450-P2	I	500	25.5	5.0	6.5	20.3	3.59	3.12	2.84
639-CR2450-FT1	J	500	25.5	5.0	5.0	17.8	3.59	3.12	2.84
639-CR2450-FT54	L	500	24.5	5.0	5.0	5.1	3.59	3.12	2.84

ENERGIZER 3V LITHIUM COIN CELLS

• 10 year estimated shelf life • High energy density

MOUSER STOCK NO.	Fig	Capacity (mAh)	Dimensions (In.)	Std. Pkg. Quantity	Case Qty.	Price Per Battery 1	Std. Pkg.	Case
525-E-CR2016BP	D	80	.787 x .063	6	480	1.36	1.28	1.19
525-E-CR2025BP	D	170	.787 x .098	6	480	1.36	1.28	1.19
525-E-CR2032BP	D	225	.787 x .126	6	480	1.36	1.28	1.19

renata 3V LITHIUM PC MOUNT COIN CELLS

Horizontal

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Nominal Capacity (mAh)	Dimensions (mm) A	B	C	D	Price Each 1	10	50	100
Two Pin										
614-CR1220FH	I	38	12.7	2.8	3.9	11.0	1.43	1.30	1.25	1.20
614-CR1225FH	I	48	12.7	3.3	3.9	11.0	1.38	1.24	1.10	.95
614-CR2025FH	I	170	20.2	3.3	3.9	15.2	1.43	1.36	1.31	1.26
614-CR2032FH	I	235	20.2	3.9	3.9	15.2	1.43	1.36	1.31	1.26
614-CR2325FH	I	190	23.2	3.3	3.9	20.4	1.94	1.64	1.41	1.31
614-CR2450NFH	I	540	24.7	5.8	3.9	20.4	2.20	2.00	1.85	1.67
614-CR2477NFH	I	950	24.7	8.5	3.9	20.4	3.64	3.17	3.02	2.97
Three Pin										
614-CR2025RH	J	170	20.2	4.85	4.0	15.2	1.43	1.36	1.31	1.26
614-CR2032RH	J	235	20.2	5.45	4.0	15.2	1.43	1.36	1.31	1.26
614-CR2450-NRH	J	540	24.7	7.35	4.0	17.8	2.20	2.00	1.85	1.67

Vertical

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Nominal Capacity (mAh)	Dimensions (mm) A	B	C	D	Price Each 1	10	50	100
Two Pin										
614-CR1220FV	K	38	12.5	2.0	4.0	5.1	1.43	1.30	1.25	1.20
614-CR1225FV	K	48	12.5	2.5	4.0	5.1	1.38	1.24	1.10	.95
614-CR2032FV	K	235	20.0	3.2	4.0	10.5	1.43	1.36	1.31	1.26
614-CR2320FV	K	150	23.0	2.0	4.0	10.5	1.50	1.43	1.36	1.29
614-CR2325FV	K	190	23.0	2.5	4.0	10.5	1.94	1.64	1.41	1.31
614-CR2450NFV	K	540	24.5	5.0	4.0	10.5	2.20	2.00	1.85	1.67
614-CR2477NFV	K	950	24.5	7.7	4.0	10.5	3.64	3.17	3.02	2.97
Three Pin										
614-CR2025RV	L	170	20.0	2.5	4.0	2.8	1.43	1.36	1.31	1.26
614-CR2032RV	L	235	20.0	3.2	4.0	3.5	1.43	1.36	1.31	1.26
614-CR2325RV	L	190	23.0	2.5	4.0	2.8	1.54	1.46	1.39	1.31
614-CR2450NRV	L	540	24.5	5.0	4.0	5.3	2.20	2.00	1.85	1.67

renata 3V LITHIUM COIN CELLS

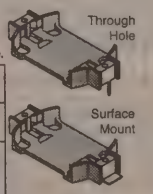
• For electronic devices and memory back-up

Blister Card **Bulk Package**

MOUSER STOCK NO.	Nom. Cap. (mAh)	Dim. (mm) A	B	Price Each 1	10	50	MOUSER STOCK NO.	Fig.	Qty. Per Case	Price Ea. Case 1	5
614-CR1025	30	10.0	2.5	1.03	.98	.93	614-CR1025BU	D	500	320.00	300.00
614-CR1216	25	12.5	1.6	1.03	.98	.93	614-CR1216BU	D	500	320.00	300.00
614-CR1220	38	12.5	2.0	.82	.78	.75	614-CR1220BU	D	500	287.00	266.50
614-CR1225	48	12.5	2.5	.97	.92	.87	614-CR1225BU	D	500	308.00	286.00
614-CR1616	50	16.0	1.6	.82	.78	.75	614-CR1616BU	D	250	108.50	100.75
614-CR1620	68	16.0	2.0	.82	.78	.75	614-CR1620-400	D	400	212.80	197.60
614-CR1632	125	16.0	3.2	1.85	1.76	1.67	614-CR1632BU	D	250	154.00	143.00
614-CR2016	80	20.0	1.6	.82	.78	.75	614-CR2016BU	D	250	94.50	87.75
614-CR2025	170	20.0	2.5	.82	.78	.75	614-CR2025BU	D	250	94.50	87.75
614-CR2032	235	20.0	3.2	.82	.78	.75	614-CR2032-400	D	400	140.00	130.00
614-CR2320	150	23.0	2.0	1.13	1.07	1.02	614-CR2320BU	D	200	123.20	114.40
614-CR2325	190	23.0	2.5	1.23	1.17	1.11	614-CR2325BU	D	200	123.20	114.40
614-CR2430	285	24.5	3.0	1.23	1.17	1.11	614-CR2430-300	D	300	184.80	171.60
614-CR2450N	540	24.5	5.0	2.20	2.09	1.99	614-CR2450N-200	D	200	179.20	166.40
614-CR2477N	950	24.5	7.7	2.90	2.77	2.64	614-CR2477N-150	D	150	264.60	245.70

renata BUTTON CELL BATTERY HOLDERS

• Positive retention of battery • Safety against inverse polarity and leak currents
• Holder material: heat resistant, glass-fiber filled LCP
• Contacts: nickel plated stainless steel

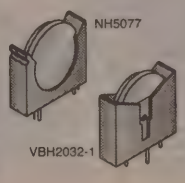


For quantities of 200 and up, call for quote.

Through Hole MOUSER STOCK NO.	Surface Mount MOUSER STOCK NO.	For Use With	Price Each 1	10	50	100
614-HU1225-1	614-SMTU1225-1	CR1225	.80	.72	.68	.64
614-HU20321	614-SMTU20321	CR2032	.82	.74	.70	.66
614-HU2430-1	- - - - - - - - - - - -	CR2430	.84	.76	.71	.67
614-HU2450N-1	614-SMTU2450N-1	CR2450N	.86	.77	.73	.69
614-HU2477N-1	614-SMTU2477N-1	CR2477N	.88	.79	.75	.70

renata VERTICAL BATTERY HOLDER

• Safety against short circuits, inverse polarity and leak currents
• Easy and fast battery replacement



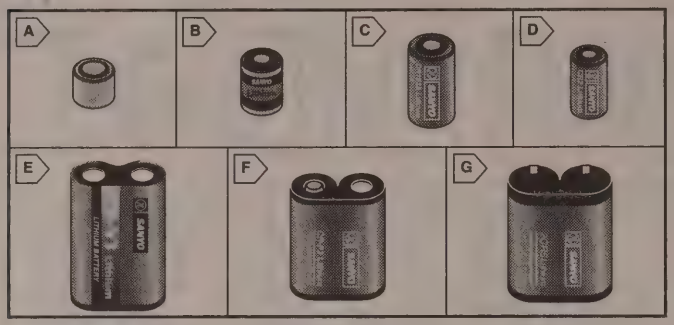
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	For Use With	Price Each 1	10	50	100
614-NH5077	CR2450N or CR2477N	3.52	3.17	2.99	2.64
614-VBH2032-1	CR2032	.95	.85	.75	.63

Lithium

Lithium and Electronic Batteries

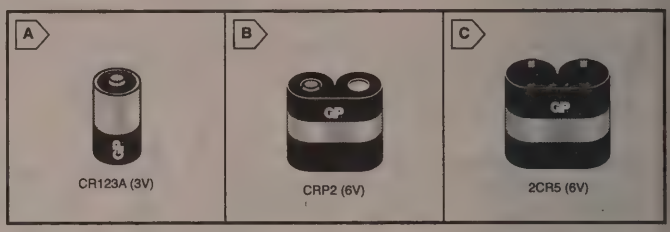
SANYO HIGH POWER PHOTO LITHIUM BATTERIES



MOUSER STOCK NO.	Fig.	Volts	Capacity mAh	Dimensions (In.) Diameter x Height	Price Each 1	10	50
639-CR1/3N	A	3	160	0.45 x 0.43	3.45	3.30	3.14
639-2CR1/3N	B	6	160	0.51 x 0.98	9.15	8.74	8.32
639-CR123	C	3	1400	0.67 x 1.36	4.86	4.58	4.43
639-CR2	D	3	350	0.61 x 1.06	5.36	5.04	4.88
639-CR-V3	E	3	3300	1.14 x 0.57W x 2.05H	10.71	10.11	9.52
639-CRP2	F	6	1400	1.37 L x 0.77 W x 1.41 H	8.45	7.98	7.70
639-2CR5M	G	6	1400	1.24 L x 0.67 W x 1.77 H	8.45	7.98	7.70

GP LITHIUM PHOTO / COMPUTER BATTERIES

- Environmentally responsible - contains no mercury, cadmium, or lead
- Delivers exceptionally high energy over a wide temperature range
- Fits cameras and flashes that use 3V or 6V lithium batteries
- Provides back-up for many personal computers



MOUSER STOCK NO.	Fig.	Volts	Dimensions (In.) Diameter x Height	Price Each 1	10	25	100
573-CR123A	A	3	.662 x 1.36	3.50	3.30	3.20	3.10
573-CRP2	B	6	1.42(L) x .768(W) x 1.38(H)	7.00	6.60	6.40	6.20
573-2CR5	C	6	1.34(L) x .670(W) x 1.77(H)	7.20	6.75	6.50	6.30

renata BUTTON CELL BATTERIES

Button Cell

1.55V Silver-Oxide

MOUSER STOCK NO.	Nominal Capacity (mAh)	Dimensions (mm)	Replaces	Price Each 1	10	50
614-301	120	11.6 x 4.2	SR43, SR1142, SR43SW	.90	.86	.82
614-303	175	11.6 x 5.4	SR44, SR1154, SR44SW	1.13	1.07	1.02
614-315	19	7.9 x 1.6	SR67, SR716SW	.94	.89	.85
614-317	10	5.8 x 1.6	SR62, SR516SW	.72	.68	.65
614-319	18	5.8 x 2.6	SR64, SR527SW	.72	.68	.65
614-321	13	6.8 x 1.6	SR65, SR616SW	.65	.61	.58
614-329	37	7.9 x 3.1	SR731SW	.73	.70	.67
614-335	5	5.8 x 1.2	SR512SW	1.08	1.03	.98
614-337	8	4.8 x 1.6	SR416SW	2.44	2.32	2.20
614-339	11	6.8 x 1.4	SR614SW	1.91	1.81	1.72
614-341	15	7.9 x 1.4	SR714SW	1.66	1.58	1.50
614-344	105	11.6 x 3.6	SR42, SR1136SW	.94	.89	.85
614-362	24	7.9 x 2.1	SR58, SR721, SR721SW	.59	.56	.53
614-364	22	6.8 x 2.1	SR60, SR621, SR621SW	.50	.48	.46
614-371	38	9.5 x 2.1	SR69, SR921, SR920SW	.59	.56	.53
614-373	29	9.5 x 1.6	SR68, SR916SW	.88	.84	.79
614-377	30	6.8 x 2.6	SR66, SR626, SR626SW	.59	.56	.53
614-379	16	5.8 x 2.1	SR63, SR521, SR521SW	.64	.61	.58
614-381	50	11.6 x 2.1	SR1120SW	.74	.70	.67
614-384	45	7.9 x 3.6	SR41, SR41SW	.50	.48	.46
614-390	80	11.6 x 3.1	SR54, SR1130SW	.74	.70	.67
614-394	84	9.5 x 3.6	SR936SW	.72	.68	.65
614-395	57	9.5 x 2.6	SR57, SR927SW	.62	.59	.56
614-397	35	7.9 x 2.6	SR59, SR726SW	.59	.56	.53

1.5V Alkaline

* Priced per package of 2

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Nominal Capacity (mAh)	Dimensions (mm)	Replaces	Price Each 1	10	50
*614-LR44	105	11.6x5.4	LL44, LR1154, V13GA	1.24	1.18	1.12
*614-LR43BP	73	11.6 x 4.2	LR1142, 186, V12GA	1.24	1.18	1.12

1.55V Silver-Oxide

- High drain
- For watches, calculators, and cameras

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Nominal Capacity (mAh)	Dimensions (mm)	Replaces	Price Each 1	10	50
614-350	105	11.6 X 3.6	SR42, SR1136	1.38	1.31	1.24
614-357-TS	190	11.6 x 5.4	SR44, SR1154, SR44W	1.03	.98	.93
614-361	24	7.9 X 2.1	SR721W, SR58, SR721	.59	.56	.53
614-365	40	11.6 X 1.6	SR1116W	.88	.84	.79
614-370	38	9.5 x 2.1	SR69, SR920W	.59	.56	.53
614-376	30	6.8 x 2.6	SR66, SR626W	.65	.61	.58
614-386	130	11.6 x 4.2	SR43, SR1142, SR43W	.76	.72	.69
614-389	80	11.6 x 3.1	SR54, SR1130, SR1130W	.64	.61	.58
614-391	50	11.6 x 2.1	SR55, SR1121, SR1120W	.60	.57	.54
614-392	45	7.9 x 3.6	SR41, SR736, SR41W, D392	.47	.45	.42
614-393	80	7.9 x 5.4	SR48, SR754, SR754W	.68	.65	.62
614-396	32	7.9 x 2.6	SR59, SR726W	.63	.60	.57
614-399	57	9.5 x 2.6	SR57, SR927W	.64	.61	.58

renata ZINC-AIR HEARING INSTRUMENT BATTERIES

- The latest in zinc-air battery technology with top-of-the-line capacities
- User friendly packaging
- Comes in convenient wheel card (4 batteries per card)
- Device protection guarantee
- Expiration date printed on package

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Description	Replaces	Price Per Card 1	10	25	50
614-ZA10	1.4V 40 mAh	DA/AC230, 10AE, B20PA, S10A	3.38	3.15	3.00	2.85
614-ZA13	1.4V 255 mAh	DA/AC13, 13AE, B26PA, S13A	2.95	2.75	2.62	2.49
614-ZA312	1.4V 140 mAh	DA/AC312, 312AE, B347PA	2.95	2.75	2.62	2.49
614-ZA675	1.4V 600 mAh	DA/AC675, 675AE, B900PA	2.95	2.75	2.62	2.49

ENERGIZER PHOTO, COIN, ELECTRONIC BATTERIES

- High energy density, long life power source
- Good low/high temperature operations
- Shelf life: up to 10 yrs.

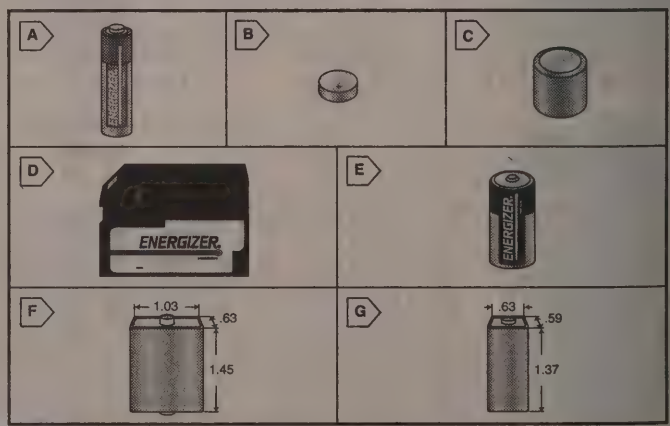
Energizer Lithium Photo Cell

MOUSER STOCK NO.	Fig	Size	Volts	Capacity mAh	Batteries Per Pkg.	Price Per Package 1	6
525-L92BP-2	A	AAA	1.5	1250	2	6.64	5.98
525-L91BP-2	A	AA	1.5	2900	2	5.81	5.45

Electronic

- High energy density, long life power source
- Long storage life

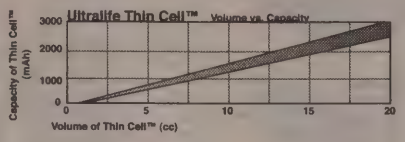
MOUSER STOCK NO.	Fig	Volts	Type	Std. Pkg. Quantity	Price Per Battery 1	Std. Pkg.
525-A76BP	B	1.5	Manganese Dioxide	6	.91	.85
525-357	B	1.5	Silver Oxide	6	1.33	1.20
525-EPX76BP	B	1.5	Silver Oxide	6	2.72	2.55
525-2L76BP	C	3	Lithium	6	3.76	3.52
525-539BP	D	6	Alkaline	6	3.38	3.17
525-A544BP	E	6	Manganese Dioxide	6	3.48	3.27
525-L544BP	E	6	Lithium	6	9.83	9.17
525-411	F	15	Carbon-Zinc	6	7.74	7.26
525-504	G	15	Carbon-Zinc	12	5.01	4.70



Lithium Batteries

ULTRALIFE® THIN CELL™ LITHIUM 3-VOLT BATTERIES

Ultralife Thin Cell lithium batteries are waferthin - as thin as 0.078 inch - providing a unique combination of high energy, long shelf life, wide operating temperature range, and light weight. With their ultra-thin prismatic form and a high ratio of active materials to packaging, Thin Cell batteries can efficiently fill virtually any battery cavity.



Features:

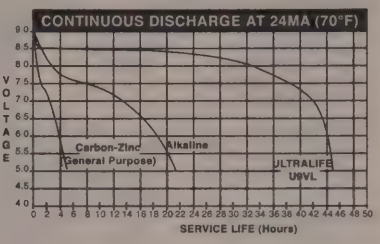
- Lithium-manganese dioxide chemistry
- Light weight
- Contains no mercury, cadmium, lead, or other toxic metals

For quantities of 48 and up, call for quote.

MOUSER STOCK NO.	Dimensions (In.) L	W	H	Max. Discharge	Weight (g)	Price Each 1	12	24
5169-U10004	1.75	0.20	2.15	250 mA	15	9.50	9.30	9.00
5169-U3VF-L-T	1.18	0.08	1.52	25 mA	3.5	9.32	8.47	7.70

ULTRALIFE® LITHIUM 9-VOLT BATTERIES

- Long shelf life - up to 10 years
- Environmentally responsible - contains no mercury, cadmium, or lead
- Ideal for medical equipment, instrumentation, security/alarm systems
- Rating: 1200 mAh
- Temperature range: -40°C to +60°C



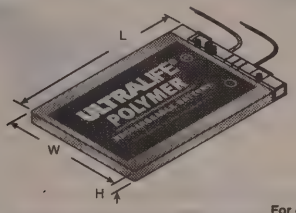
† Aluminum housing
*Packaged in lithium foil package

For quantities of 48 and up, call for quote.

MOUSER STOCK NO.	Dimensions (In.) L	W	H	Max. Discharge	Weight (g)	Price Each 1	12	24
†5169-U9VL-FP	1.02	0.67	1.92	120 mA	33.8	6.16	5.78	5.58
*5169-U9VL-J	1.04	0.69	1.93	120 mA	36.4	7.41	6.83	6.40

ULTRALIFE® RECHARGEABLE LITHIUM POLYMER 3.7-VOLT BATTERIES

The Ultralife Polymer Rechargeable Battery System combines high-energy chemistry with state-of-the-art polymer technology. Every battery component is solid- there are no liquids that need to be contained by bulky, heavy cell housings. The result is a powerful, safer, thin and lightweight, rechargeable battery with a wide operating temperature range.



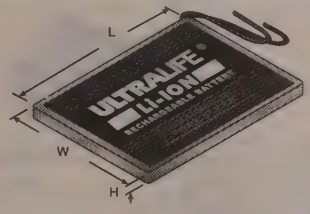
PRODUCT NEW

For quantities of 48 and up, call for quote.

MOUSER STOCK NO.	Dimensions (In.) L	W	H	Energy	Weight (g)	Price Each 1	12	24
5169-UBC001	2.99	1.38	0.19	3.40 Wh	22	17.39	16.01	15.01
5169-UBC005	1.22	0.71	0.28	0.70 Wh	4.5	12.07	11.11	10.41
5169-UBC006	1.22	0.86	0.22	0.67 Wh	4.5	12.35	11.38	10.66
5169-UBC008	1.22	0.83	0.20	0.44 Wh	3.0	10.93	10.06	9.43

ULTRALIFE® RECHARGEABLE LITHIUM 3.7-VOLT BATTERIES

Ultralife lithium-ion prismatic (rectangular) cells offer high energy density, high capacity, and long life in the most common, lightweight sizes. These cells, which operate over a wide temperature range, are ideal for many portable devices.



PRODUCT NEW

For quantities of 48 and up, call for quote.

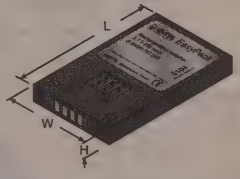
MOUSER STOCK NO.	Dimensions (In.) L	W	H	Energy	Weight (g)	Price Each 1	12	24
5169-UBBP01	2.83	2.09	0.23	6.8 Wh	45.0	19.00	17.50	16.40
5169-UBP563450	2.13	1.42	0.24	3.4 Wh	24.0	12.99	12.38	11.87
5169-UBP543048	2.05	1.26	0.22	2.8 Wh	16.5	13.78	12.69	11.89
5169-UBP463048/PCM	2.05	1.26	0.20	2.2 Wh	14.5	12.83	11.81	11.07
5169-UBP383450	2.13	1.42	0.17	2.2 Wh	13.8	12.83	11.81	11.07

VARTA EASYPACK LITHIUM POLYMER BATTERIES

NEW! TECHNOLOGY

Specifications:

- Two possible positions: large surface or 90° vertical positioning
- Mating application contacts
- Charging system
- Light, thin and powerful cell
- Gold plated battery contacts
- Proper fixation



For quantities of 50 and up, call for quote.

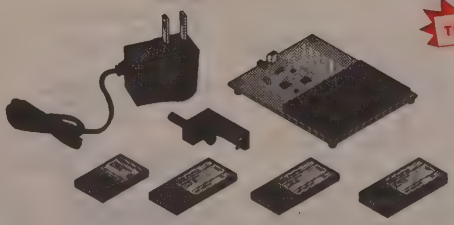
MOUSER STOCK NO.	Varta Part No.	Voltage	Capacity mAh	Dimensions (In.) L	W	H	Weight (g)	Price Each 1	10	25
672-66590-711-099	66590711099	3.7	550	43.5	35.4	5.8	14.0	12.92	11.90	11.15
672-66352-711-099	66352711099	3.7	750	64.5	36.6	5.2	20.0	13.41	12.36	11.58
672-66380-711-099	66380711099	3.7	1000	64.5	36.6	6.4	25.0	15.38	14.18	13.28
672-66380-712-099	66380712099	3.7	2000	64.5	36.6	11.4	46.5	28.31	26.08	24.43

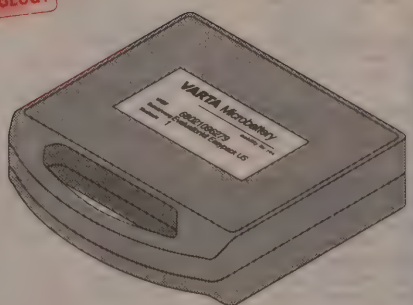
VARTA EASYPACK EVALUATION KIT

NEW! TECHNOLOGY

Specifications:

- Plug and play charging solution
- Linear controller- no interference to the application
- Charges all Varta EasyPacks
- Input 5V, 1A (Input cord included)
- Charging Current 500mA/1000mA
- Easy access to IC test pins and battery contacts
- Additional breadboard space to mount individual components
- Charger schematics included
- LED charge indicators
- Modular contact: 652-70AAJ-4-M0





For quantities of 2 and up, call for quote.

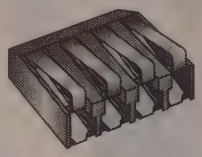
MOUSER STOCK NO.	Varta Part No.	Description	Price Each
672-68021-096-279	68021096279	Evaluation Kit- input cord, charger, and 550,750,1000,2000 mAh batteries	259.00

BOURNS Modular Contacts

Bourns Modular Contacts can be used in cellular telephones, PDAs, laptop computers, portable medical and test equipment and anywhere a rechargeable battery pack is required. Bourns Modular Contacts provide a spring-loaded wiping contact connector for many other non-battery related applications.

Common Features:
- Types Available: Male and Female Contacts
- Function: Rechargeable battery packs, portable electronics and other contact application
- Sizes: 2.54mm, 4.0mm pitch and height

70AA / MALE

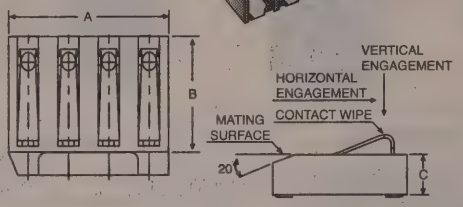


Material:
- Insulator: Glass reinforced thermoplastic, UL 94V-0 rated, black
- Contact: Copper alloy

Features:
- 2 to 6 precious metal contacts
- End-to-end stackable
- Pick and place compatible
- High cycle life

Electrical Specifications:
- Current rating: 3A/contact
- Voltage: 60V

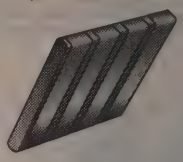
Mechanical Specifications:
- Normal Force: 80 grams min.
- Durability: 10,000 cycles min.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	No. of Contacts	Mounting Type	Dimensions (mm.)			Price Each		
			A	B	C	1	10	50
652-70AAJ-2-M0	2	SMD	5.00	7.09	2.54	.88	.79	.70
652-70AAJ-3-M0	3	SMD	7.54	7.09	2.54	1.13	1.01	.90
652-70AAJ-4-M0	4	SMD	10.20	7.09	2.54	1.38	1.24	1.10
652-70AAJ-5-M0	5	SMD	12.62	7.09	2.54	1.75	1.58	1.40
652-70AAJ-6-M0	6	SMD	15.16	7.09	2.54	2.13	1.91	1.70

70AA / FEMALE

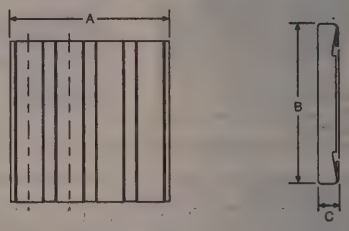


Features:
- 2 to 6 precious metal contacts
- End-to-end stackable
- Pick and place compatible
- High cycle life

Material:
- Insulator: Glass reinforced thermoplastic, UL 94V-0 rated, black
- Contact: Copper alloy

Electrical Specifications:
- Current rating: 3A/contact
- Voltage: 60V

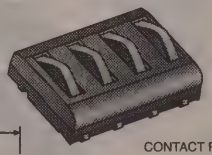
Mechanical Specifications:
- Durability: 10,000 cycles min.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	No. of Contacts	Mounting Type	Dimensions (mm.)			Price Each		
			A	B	C	1	10	50
652-70AAJ-2-F0	2	SMD	4.98	10.00	1.27	.50	.45	.40
652-70AAJ-3-F0	3	SMD	7.52	10.00	1.27	.75	.68	.60
652-70AAJ-4-F0	4	SMD	10.06	10.00	1.27	.90	.81	.72
652-70AAJ-6-F0	6	SMD	15.14	10.00	1.27	1.18	1.06	.94
652-70AAJ-6-F1	6	SMD	15.14	10.00	1.27	1.18	1.06	.94

70AD / MALE - 70ADJ

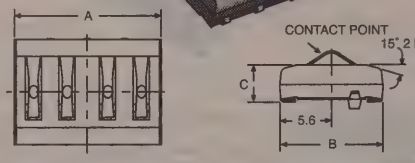


Material:
- Insulator: Glass reinforced thermoplastic, UL 94V-0 rated, black
- Contact: Copper alloy
- Meets MIL-STD-202, method 208

Features:
- Low profile
- Rugged design
- Vertical or horizontal entry

Electrical Specifications:
- Current rating: DC 3A/contact
- Voltage: DC 30V

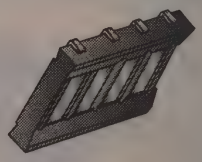
Mechanical Specifications:
- Normal Force: 100 grams min.
- Durability: 5,000 cycles



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	No. of Contacts	Mounting Type	Dimensions (mm.)			Price Each		
			A	B	C	1	10	50
652-70ADJ-2-ML0	2	SMD	7.7	11.2	4.0	1.30	1.01	.75
652-70ADJ-2-ML1	2	SMD	7.7	11.2	4.0	2.08	1.82	1.56
652-70ADJ-3-ML0	3	SMD	11.7	11.2	4.0	1.63	1.30	.94
652-70ADJ-4-ML0	4	SMD	15.7	11.2	4.0	2.03	1.62	1.17
652-70ADJ-4-ML1	4	SMD	15.7	11.2	4.0	3.24	2.84	2.43
652-70ADJ-5-ML0	5	SMD	19.7	11.2	4.0	2.45	1.96	1.42
652-70ADJ-5-ML1	5	SMD	19.7	11.2	4.0	3.92	3.43	2.94
652-70ADJ-6-ML0	6	SMD	23.7	11.2	4.0	2.85	2.28	1.65
652-70ADJ-6-ML1	6	SMD	23.7	11.2	4.0	2.85	2.28	1.65

70AD / FEMALE - 70ADJ

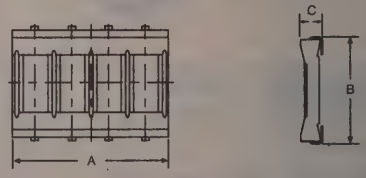


Material:
- Insulator: Glass reinforced thermoplastic, UL 94V-0 rated, black
- Contact: Copper alloy
- Meets MIL-STD-202, method 208

Features:
- Rechargeable battery-pack applications
- Precious metal contacts

Electrical Specifications:
- Current rating: DC 3A/contact
- Voltage: DC 30V

Mechanical Specifications:
- Durability: 5,000 cycles



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	No. of Contacts	Mounting Type	Dimensions (mm.)			Price Each		
			A	B	C	1	10	50
652-70ADJ-2-FL0	2	SMD	9.0	11.6	2.3	1.23	.98	.71
652-70ADJ-2-FL1	2	SMD	9.0	11.6	2.3	1.96	1.72	1.47
652-70ADJ-3-FL0	3	SMD	13.0	11.6	2.3	1.45	1.16	.84
652-70ADJ-4-FL0	4	SMD	17.0	11.6	2.3	1.83	1.46	1.06
652-70ADJ-5-FL1	5	SMD	21.0	11.6	2.3	3.48	3.05	2.61
652-70ADJ-6-FL1	6	SMD	25.0	11.6	2.3	4.08	3.57	3.06

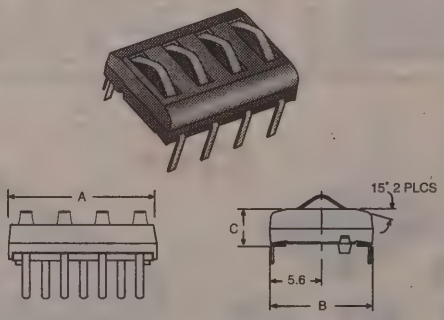
70AD / MALE - 70ADH

Material:
- Insulator: Glass reinforced thermoplastic, UL 94V-0 rated, black
- Contact: Copper alloy
- Meets MIL-STD-202, method 208

Features:
- Low profile
- Rugged design
- Vertical or horizontal entry

Electrical Specifications:
- Current rating: DC 3A/contact
- Voltage: DC 30V

Mechanical Specifications:
- Normal Force: 100 grams min
- Durability: 5,000 cycles



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	No. of Contacts	Mounting Type	Dimensions (mm.)			Price Each		
			A	B	C	1	10	50
652-70ADH-2-ML0	2	PC pin	7.7	11.2	4.0	1.30	1.04	.75
652-70ADH-3-ML0	3	PC pin	11.7	11.2	4.0	1.63	1.30	.94
652-70ADH-4-ML0	4	PC pin	15.7	11.2	4.0	2.03	1.62	1.17
652-70ADH-5-ML0	5	PC pin	19.7	11.2	4.0	2.03	1.62	1.17
652-70ADH-6-ML0	6	PC pin	23.7	11.2	4.0	2.85	2.28	1.65

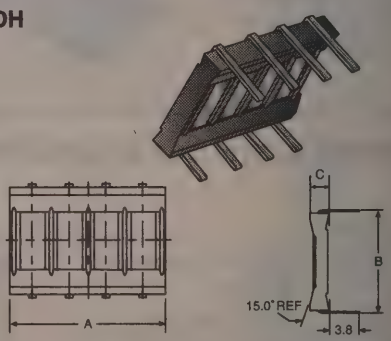
70AD / FEMALE - 70ADH

Material:
- Insulator: Glass reinforced thermoplastic, UL 94V-0 rated, black
- Contact: Copper alloy
- Meets MIL-STD-202, method 208

Features:
- Rechargeable battery-pack applications
- Precious metal contacts

Electrical Specifications:
- Current rating: DC 3A/contact
- Voltage: DC 30V

Mechanical Specifications:
- Durability: 5,000 cycles



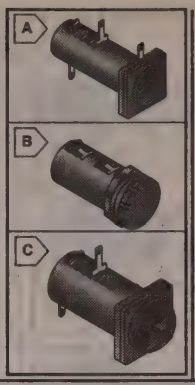
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	No. of Contacts	Mounting Type	Dimensions (mm.)			Price Each		
			A	B	C	1	10	50
652-70ADH-2-FL0	2	PC pin	9.0	11.6	2.08	1.23	.98	.71
652-70ADH-3-FL0	3	PC pin	13.0	11.6	2.08	1.45	1.16	.84
652-70ADH-4-FL0	4	PC pin	17.0	11.6	2.08	1.83	1.46	1.06
652-70ADH-5-FL0	5	PC pin	21.0	11.6	2.08	2.18	1.74	1.26
652-70ADH-6-FL0	6	PC pin	25.0	11.6	2.08	2.55	2.04	1.48

Battery Holders

BULGIN FRONT PANEL SEALED BATTERY HOLDERS

Features:
- IP 67 Rated
- Color: Black
- Panel Mount with Solder Tabs



For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Cells	Battery Size	Price Each 1	25	50	100
122-BXS011/1	A	1	AA	6.09	5.59	4.97	4.15
122-BXS012/1	A	2	AA	6.66	6.11	5.43	4.54
122-BXS013/1	A	3	AA	7.42	6.81	6.05	5.06
122-BXS001/1	B	1	C	7.23	6.64	5.90	4.93
122-BXS002/1	B	2	C	8.37	7.68	6.83	5.70
122-BXS003/1	B	3	C	9.51	8.73	7.76	6.48
122-BXS016	C	1	D	8.74	7.75	6.89	5.76
122-BXS017	C	2	D	14.26	13.10	11.64	9.72
122-BXS018	C	3	D	15.98	14.67	15.98	14.67

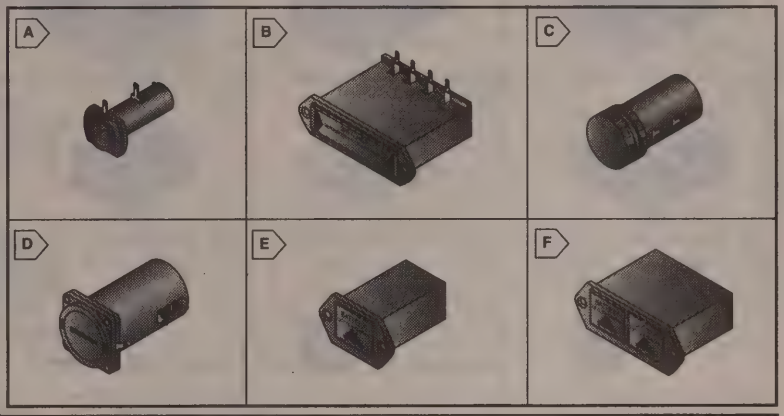
BULGIN PC/BASE MOUNT BATTERY HOLDERS

Features:
- Terminations: Dual connections, P.C. spills & 2.8 series tabs/solder tags. (P.C. spills may be removed if required)
- Operating Temperature: –30°C to +70°C
- Mouldings: Glass Filled Nylon
- Contacts: Nickel Silver, clean
- Interlocking for multiple assemblies, except for model 122-BX0033

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	Battery Size	Price Each 1	25	50	100
122-BX0033	A	PP3	1.52	1.40	1.24	1.04
122-BX0034	B	AAA	1.64	1.50	1.34	1.11
122-BX0035	C	AA	1.64	1.50	1.34	1.11
122-BX0036	D	C	2.09	1.92	1.71	1.43
122-BX0037	E	D	2.28	2.10	1.86	1.56

BULGIN STANDARD BATTERY HOLDERS

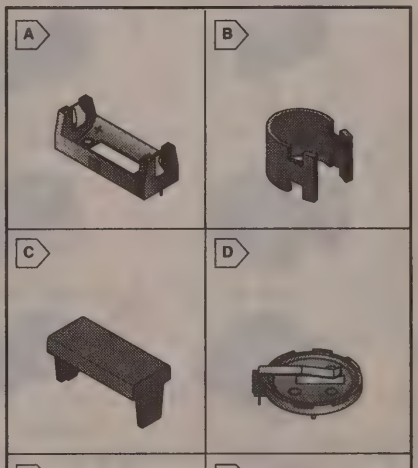


For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Cells	Color	Description	Price Each 1	25	50	100
"AA" Size								
122-BX0011/1	A	1	Black	Panel mount-solder tabs	4.98	4.58	4.07	3.40
122-BX0012/1	A	2	Black	Panel mount-solder tabs	5.71	5.24	4.66	3.89
122-BX0013/1	A	3	Black	Panel mount-solder tabs	6.12	5.62	5.00	4.17
122-BX0027	B	4	Black	Panel mt. drawer function	10.12	9.29	8.26	6.90
"C" Size								
122-BX0001/1	C	1	Black	Panel mount-solder tabs	6.66	6.12	5.44	4.54
122-BX0002/1	C	2	Black	Panel mount-solder tabs	8.82	8.10	7.20	6.02
122-BX0003/1	C	3	Black	Panel mount-solder tabs	10.23	9.40	8.35	6.97
"D" Size								
122-BX0016	D	1	Black	Panel mount-solder tabs	6.54	6.01	5.34	4.46
122-BX0017	D	2	Black	Panel mount-solder tabs	11.41	10.48	9.32	7.78
122-BX0018	D	3	Black	Panel mount-solder tabs	14.72	13.52	12.02	10.03
"9V" Size								
122-BX0023	E	1	Black	Panel mt. drawer function	3.73	3.42	3.04	2.54
122-BX0026	F	2	Black	Panel mt. drawer function	7.57	6.95	6.18	5.16

DELPHI Connection Systems CYLINDRICAL BATTERY HOLDERS

Cylindrical Battery Holders have through hole PCB contacts and accept standard battery sizes of 1/2AA, AA, 2/3A and A. Insulators are molded of a black glass filled thermoplastic. Stamped and formed contacts are stainless steel with a 1.27 µm (50 µ") nickel plate overall and a 3.81 µm (150 µ") selective tin/lead plate on the solder tails.



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Delphi Part No.	Fig.	No. of Cells	Description	Price Each 1	10	100	500
829-6S-A	6S-A	A	1	A Cylindrical Cell	.88	.76	.62	.58
829-6S-AA	6S-AA	A	1	AA Cylindrical Cell	.88	.76	.62	.58
829-6S-2/3A	6S-2/3A	A	1	2/3A Cylindrical Cell	.88	.76	.62	.58
829-6S-2/3A-LP3	6S-2/3A-LP3	A	1	2/3A Cylindrical Cell, Low Profile	.92	.80	.65	.61
829-6S-1/2AA	6S-1/2AA	A	1	1/2AA Cylindrical Cell	.68	.59	.48	.45
829-6S1/2AA-LPRT	6S1/2AA-LPRT	A	1	1/2AA Cylindrical Cell w/side latching, Low Profile	.97	.84	.68	.64

DELPHI Connection Systems CYLINDRICAL BATTERY COVERS

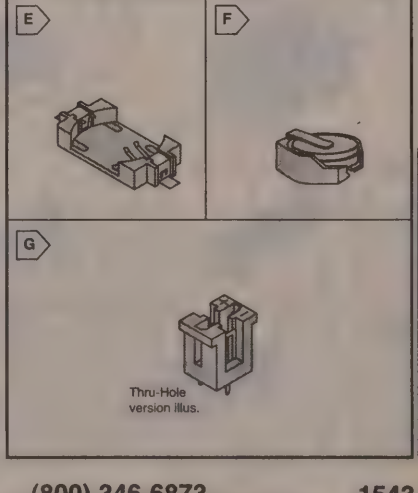
- Battery holder covers are molded of thermoplastic

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Delphi Part No.	Fig.	Description	Price Each 1	10	100	500
829-C-2018	C-2018	B	Mates with 6S-A, 6S-2/3A	.24	.21	.17	.16
829-C-2027	C-2027	B	Mates with 6S-AA	.24	.21	.17	.16
829-C-6SAA	C-6SAA	C	Mates with 6S-AA	.24	.21	.17	.16
829-C-6S1/2AA	C-6S1/2AA	C	Mates with 6S1/2AA	.24	.21	.17	.16

DELPHI Connection Systems COIN BATTERY HOLDERS

Specifications:
- Housing Material: Glass filled thermoplastic
- Housing Color: Black
- Operating Temperature: -55°C to +125°C
- Contact Plating: Nickel



Thru-Hole version illus.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Delphi Part No.	Fig.	No. of Cells	Voltage	Description	Price Each 1	10	100	500
829-2S2032-0	2S2032-0	D	1	3V	Thru-hole, 2032 size cell	1.02	.87	.68	.45
829-2S2032-1	2S2032-1	D	1	3V	Thru-hole, 2025 size cell	1.02	.87	.68	.45
829-2S2032-2	2S2032-2	D	1	3V	Thru-hole, 2016, 2020 size cell	1.02	.87	.68	.45
829-2S2325-0	2S2325-0	D	1	3V	Thru-hole, 2325, 2330 size cell	1.02	.87	.68	.45
829-2S2325-1	2S2325-1	D	1	3V	Thru-hole, 2316, 2320 size cell	1.02	.87	.68	.45
829-2S2425-0	2S2425-0	D	1	3V	Thru-hole, 2425, 2430 size cell	1.02	.87	.68	.45
829-2S2425-1	2S2425-1	D	1	3V	Thru-hole, 2420 size cell	1.02	.87	.68	.45
829-2S2032-4738	2S2032-4738	E	1	3V	Thru-hole, Easy Cell Removal, 2032 size cell	1.08	.92	.70	.49
829-2032-4858	2032-4858	E	1	3V	Thru-hole, 2032 size cell, Low Profile	1.12	.95	.75	.49
829-SM2032-4857	SM2032-4857	E	1	3V	SMT, 2032 size cell	1.12	.95	.75	.49
829-4S2032-0	4S2032-0	F	2	6V	Thru-hole, 2032 size cells	1.19	1.01	.79	.52
829-4S2425-0	4S2425-0	F	2	6V	Thru-hole, 2425, 2430 size cells	1.02	.87	.68	.45
829-VH2032-02	VH2032-02	G	1	3V	Vertical, Thru-hole, 2032 size cell	1.29	1.09	.86	.57

EAGLE PLASTIC DEVICES Battery Holders

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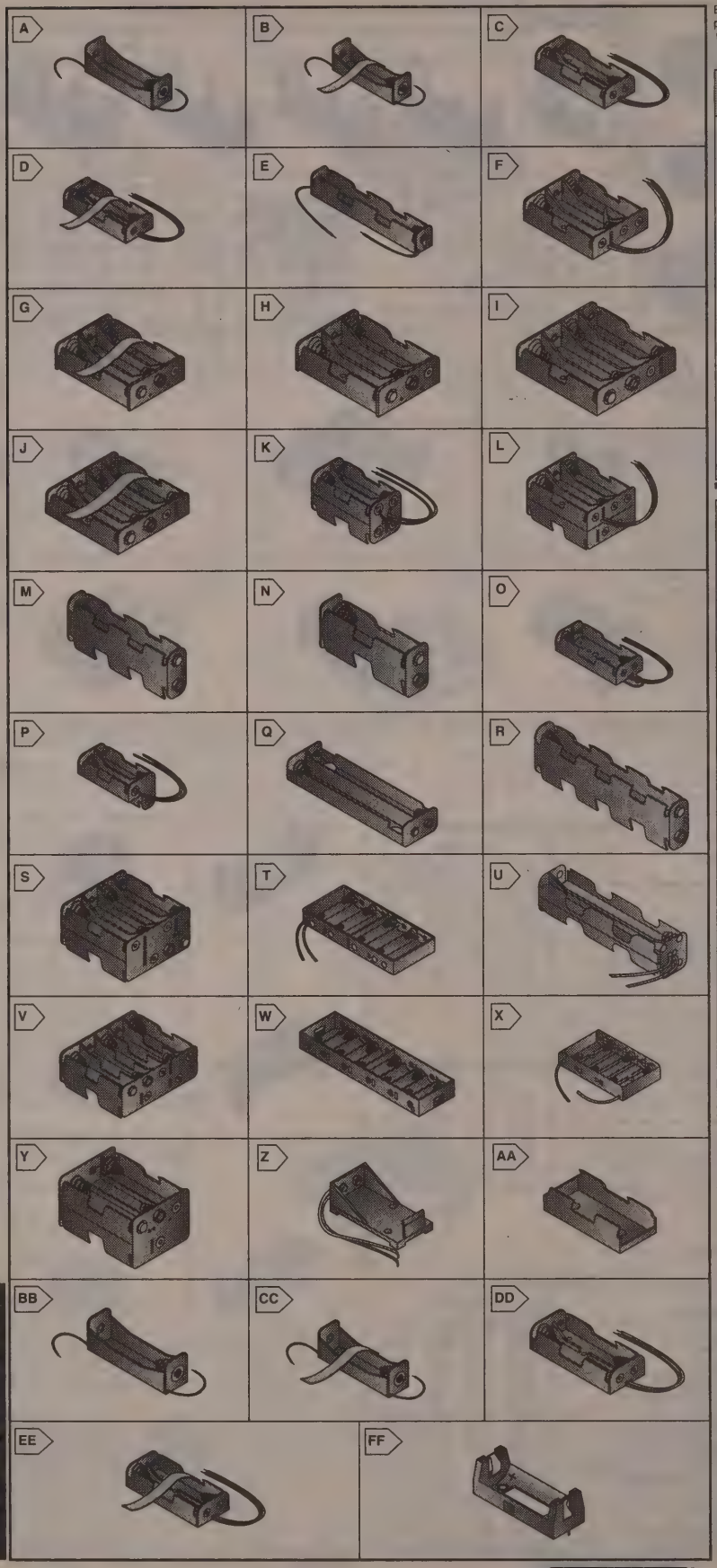

Battery holders are constructed using an "unbreakable" type plastic. Nickel-plated hardware provides excellent corrosion resistance from battery acid.

"AAA" SIZE BATTERY HOLDERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Cells	Color	Description	Price Each 1	10	100	1000
12BH410	A	1	Black	6" leads-tinned 3/16"	.59	.39	.36	.28
12BH410-R	B	1	Black	6" leads w/ribbon	.65	.45	.41	.37
12BH411P-R	B	1	Black	PC legs w/ribbon	.69	.64	.54	.32
12BH412	A	1	Black	PC mount-solder legs	.59	.39	.36	.32
122-0421	C	2	Black	6" leads-tinned 3/16"	.69	.65	.57	.51
122-0421-R	D	2	Black	6" leads w/ribbon	.72	.66	.56	.34
12BH423	C	2	Black	PC mount-solder legs	.69	.65	.57	.51
12BH423P-R	D	2	Black	PC legs w/ribbon	.72	.66	.56	.34
12BH425	E	2	Black	6" leads-tinned 3/16"	.47	.31	.29	.26
12BH431	F	3	Black	6" leads-tinned 3/16"	.89	.81	.69	.39
12BH431P	F	3	Black	PC mount-solder legs	.89	.81	.69	.39
12BH431P-R	G	3	Black	PC legs w/ribbon	.95	.86	.73	.43
12BH431B	H	3	Black	Mini snaps spaced .50"	.89	.81	.69	.39
12BH431D	H	3	Black	Solder tabs	.89	.81	.69	.39
12BH441P	I	4	Black	PC mount-solder legs	.98	.89	.75	.43
12BH441P-R	J	4	Black	PC legs w/ribbon	1.04	.95	.80	.47
12BH441A	I	4	Black	6" leads-tinned 3/16"	.98	.89	.75	.43
12BH441B	I	4	Black	Mini snaps spaced .50"	.98	.89	.75	.43
12BH441D	I	4	Black	Solder tabs	.98	.89	.75	.43
12BH444	K	4	Black	6" leads-tinned 3/16"	.66	.51	.46	.42
12BH463	L	6	Black	6" leads-tinned 3/16"	1.31	.99	.92	.83
12BH483	R	8	Black	6" leads-tinned 3/16"	1.44	1.20	1.09	.91

"AA" SIZE BATTERY HOLDERS

12BH311A	A	1	Black	6" leads-tinned 3/16"	.64	.58	.49	.28
12BH311A-R	B	1	Black	Solder tabs w/ribbon	.69	.64	.54	.32
12BH311P	A	1	Black	PC mount-solder legs	.64	.58	.49	.28
12BH311P-R	B	1	Black	PC legs w/ribbon	.69	.64	.54	.32
12BH311	A	1	Black	Solder tabs	.64	.58	.49	.28
12BH311-R	B	1	Black	Solder tabs w/ribbon	.69	.64	.54	.32
12BH222	N	2	Black	6" leads-tinned 3/16"	.69	.64	.54	.34
12BH322B	N	2	Black	Mini snaps spaced .50"	.69	.64	.54	.34
12BH321A	C	2	Black	6" leads-tinned 3/16"	.67	.61	.52	.29
12BH321P	C	2	Black	PC mount-solder legs	.67	.61	.52	.29
12BH321P-R	D	2	Black	PC legs w/ribbon	.72	.66	.56	.34
12BH321B	C	2	Black	Mini snaps spaced .50"	.67	.61	.52	.29
12BH321D	C	2	Black	Solder tabs	.67	.61	.52	.29
12BH324A	O	2	Black	6" leads-tinned 3/16"	.67	.61	.52	.29
12BH331	H	3	Black	6" leads-tinned 3/16"	.89	.81	.69	.39
12BH331-R	G	3	Black	6" leads w/ribbon	.95	.87	.74	.43
12BH331P	H	3	Black	PC mount-solder legs	.89	.81	.69	.39
12BH331P-R	G	3	Black	PC legs w/ribbon	.95	.87	.74	.43
12BH331B	H	3	Black	Mini snaps spaced .50"	.89	.81	.69	.39
12BH331D	H	3	Black	Solder tabs	.89	.81	.69	.39
12BH335	P	3	Black	6" leads-tinned 3/16"	.84	.64	.58	.53
12BH343	Q	4	Black	6" leads-tinned 3/16"	.98	.89	.75	.46
12BH348	I	4	Black	6" leads-tinned 3/16"	.98	.89	.75	.43
12BH348-R	J	4	Black	6" leads w/ribbon	.98	.89	.75	.43
12BH349	I	4	Black	PC mount-solder legs	.85	.65	.59	.54
12BH341P-R	J	4	Black	PC legs w/ribbon	.98	.89	.75	.46
12BH351	I	4	Black	Solder tabs	.85	.65	.59	.54
12BH351-R	J	4	Black	Solder tabs w/ribbon	.87	.73	.66	.43
12BH347	I	4	Black	Mini snaps spaced .50"	.85	.65	.59	.54
12BH347-R	J	4	Black	Mini snaps w/ribbon	.98	.89	.75	.43
12BH341	M	4	Black	Mini snaps spaced .50"	.74	.56	.50	.46
12BH350	K	4	Black	6" leads-tinned 3/16"	.98	.84	.75	.46
12BH343B	K	4	Black	Mini snaps spaced .50"	.98	.89	.75	.46
12BH344B	Q	4	Black	Mini snaps spaced .50"	.98	.89	.75	.46
12BH344D	Q	4	Black	Solder tabs	.98	.89	.75	.46
12BH361	Y	6	Black	Mini snaps spaced .50"	1.07	.82	.75	.68
12BH364	X	6	Black	6" leads-tinned 3/16"	1.07	.82	.75	.68
12BH326	Q	6	Black	6" leads-tinned 3/16"	1.02	.85	.77	.70
12BH365	R	6	Black	Mini snaps spaced .50'	1.07	.82	.75	.68
12BH381	S	8	Black	Mini snaps spaced .50"	1.30	1.08	.98	.89
12BH383	S	8	Black	6" leads-tinned 3/16"	1.30	1.08	.98	.89
12BH381A	T	8	Black	6" leads-tinned 3/16"	1.30	1.08	.98	.89
12BH382A	U	8	Black	6" leads-tinned 3/16"	1.20	.84	.76	.63
12BH382B	U	8	Black	Mini snaps spaced .50"	1.20	.84	.76	.63
12BH310	V	10	Black	Mini snaps spaced .50"	1.60	1.32	1.19	1.08
12BH310A	V	10	Black	6" leads-tinned 3/16"	1.60	1.32	1.19	1.08
12BH309	W	10	Black	Solder tabs	2.00	1.67	1.52	1.38

"9V" SIZE BATTERY HOLDERS

12BH610	Z	1	Black	6" leads-tinned 3/16"	.99	.89	.79	.69
12BH611	Z	1	Black	PC mount-solder legs	.99	.89	.79	.69
12BH612	Z	1	Black	Solder tabs	.99	.89	.79	.69
12BH613	AA	1	Black	No leads cradle only	.99	.89	.79	.69

"N" SIZE BATTERY HOLDERS

Battery holders are constructed using an "unbreakable" type plastic. Nickel-plated hardware provides excellent corrosion resistance from battery acid.

12BH510	BB	1	Black	6" leads-tinned 3/16"	.64	.58	.50	.27
12BH511P	BB	1	Black	PC mount-solder legs	.64	.58	.50	.28
12BH511P-R	CC	1	Black	PC legs w/ribbon	.69	.64	.54	.35
12BH521A	DD	2	Black	6" leads-tinned 3/16"	.67	.61	.52	.29
12BH521P	DD	2	Black	PC mount-solder legs	.67	.61	.52	.29
12BH521P-R	EE	2	Black	PC legs w/ribbon	.72	.66	.56	.35

"2/3 A" SIZE BATTERY HOLDERS

12BH023	FF	1	Black	PC mount-solder legs	.60	.54	.46	.41

EAGLE PLASTIC DEVICES Battery Holders and Clips

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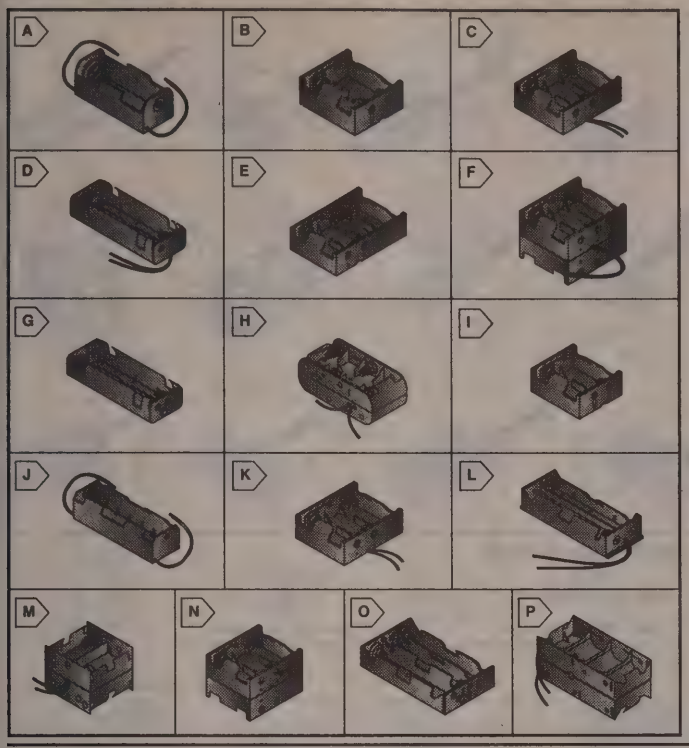


"C" AND "D" BATTERY HOLDERS

"C" Size

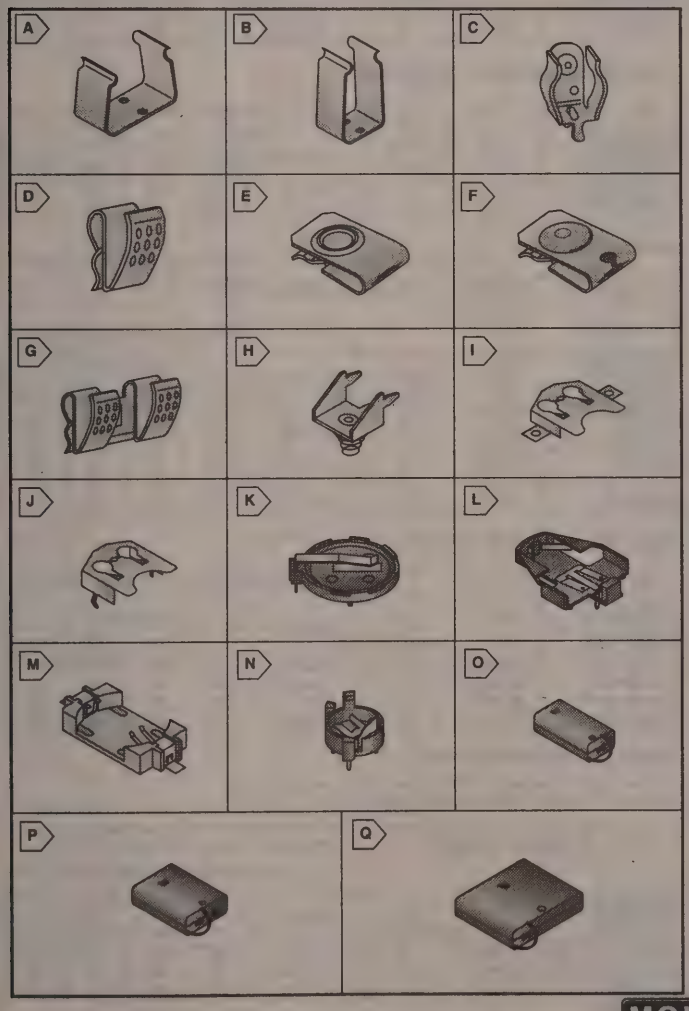
For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Cells	Color	Description	Price Each 1	10	100	1000
12BH211	A	1	Black	6" leads-tinned 3/16"	.66	.44	.39	.36
12BH220	B	2	Black	6" leads-tinned 3/16"	.95	.87	.74	.46
12BH221D	B	2	Black	Solder tabs	.95	.87	.74	.46
12BH231	C	3	Black	6" leads-tinned 3/16"	1.11	.85	.77	.70
12BH242	D	4	Black	6" leads-tinned 3/16"	.99	.77	.69	.64
12BH242A	D	4	Black	8" 22AWG leads	1.29	.99	.90	.76
12BH243	E	4	Black	6" leads-tinned 3/16"	1.08	.83	.76	.69
12BH262	F	6	Black	6" leads-tinned 3/16"	1.96	1.63	1.48	1.35
12BH261	G	6	Black	Mini snaps spaced .50"	1.59	1.32	1.20	1.09
12BH261A	G	6	Black	8" 22AWG leads	1.44	1.20	1.09	.91
12BH263	G	6	Black	6" leads-tinned 3/16"	1.44	1.20	1.09	.91
12BH281	H	8	Black	6" leads-tinned 3/16"	2.12	1.77	1.61	1.47

"D" Size

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Cells	Color	Description	Price Each 1	10	100	1000
12BH111A	A	1	Black	6" leads-tinned 3/16"	.66	.44	.39	.36
12BH111D	A	1	Black	Solder tabs	.66	.44	.39	.36
12BH121	I	2	Black	Solder tabs	1.09	.90	.79	.73
12BH121A	I	2	Black	8" 24AWG leads	1.29	.99	.90	.76
12BH125	J	2	Black	6" leads-tinned 3/16"	.65	.50	.45	.41
12BH131	K	3	Black	6" leads-tinned 3/16"	1.31	.99	.92	.83
12BH146	L	4	Black	6" leads-tinned 3/16"	1.29	.99	.90	.82
12BH142A	L	4	Black	8" 22AWG leads	1.29	.99	.90	.76
12BH144A	M	4	Black	6" leads-tinned 3/16"	1.74	1.45	1.32	1.20
12BH160	N	6	Black	6" leads-tinned 3/16"	2.49	2.07	1.89	1.72
12BH162A	G	6	Black	6" leads-tinned 3/16"	1.43	1.19	1.08	.98
12BH162B	G	6	Black	Mini snaps spaced .50"	1.56	1.29	1.18	1.08
12BH163	O	6	Black	Mini snaps space .50"	2.49	2.07	1.89	1.72
12BH181	P	8	Black	6" leads-tinned 3/16"	2.68	2.23	1.99	1.85



METAL BATTERY HOLDERS/CLIPS

Steel, Nickel Plated

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	100	500	1000
12BH071	A	9V battery holder horizontal	.22	.18	.15	.12
12BH079	A	9V battery holder horizontal	.25	.21	.16	.13
12BH080	B	9V battery holder vertical	.29	.22	.19	.17
12BH095	B	9V battery holder vertical	.24	.19	.15	.13
12BH980	B	9V battery holder vertical	.22	.17	.15	.14
12BH092	C	A, AAbattery clip	.14	.10	.09	.08
12BH082	C	AAA battery clip PC mount	.15	.11	.09	.08
12BH209	D	AA battery clip negative	.14	.09	.06	.04
12BH228	E	AA battery clip positive	.14	.09	.06	.04
12BH204	D	AAA battery clip negative	.16	.11	.08	.06
12BH238	F	AAA battery clip positive	.17	.085	.065	.053
12BH210	G	AA dual snap-on clip	.24	.16	.13	.09
12BH202	G	AAA dual snap-on clip	.24	.16	.13	.09
12BH629	H	AA,AAA PC spring contact	.27	.18	.16	.14
12BH002	I	20MM coin cell holder SM	.27	.18	.16	.14
12BH003	J	20MM coin cell holder PC	.27	.18	.16	.14

COIN CELL BATTERY HOLDERS

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Description	Price Each 1	100	1,000	10,000
122-2520	K	20mm	Thru-hole black single cell	.80	.65	.50	.40
122-2523	K	23mm	Thru-hole black singler cell	.80	.65	.50	.40
122-2620	L	20mm	Thru-hole black single cell	.80	.65	.50	.40
122-2820	M	20mm	Surface mount beige	.66	.55	.45	.40
122-2312	N	12mm	Thru-hole black single cell	.90	.75	.65	.50
122-2313	N	12mm	Thru-hole black dual cell	.90	.75	.65	.50

BATTERY HOLDERS W/ COVERS AND SWITCH

• Color: Black • Nickel plated hardware

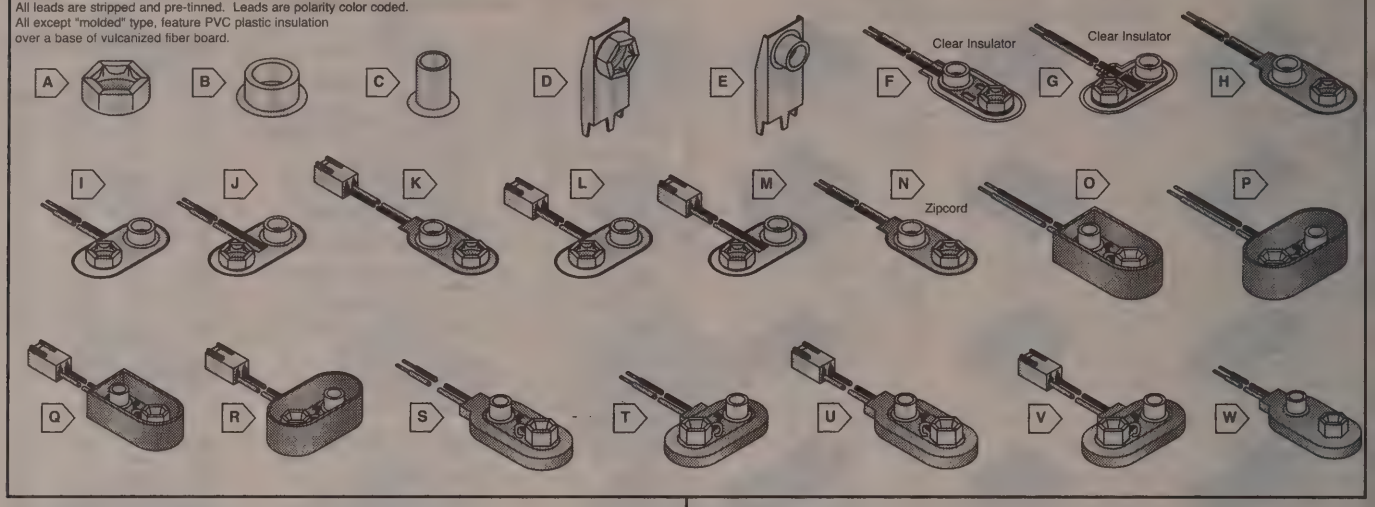
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No.of Cells	Size	Description	Price Each 1	10	100	1000
12BH9V/CS	O	1	9V	6" leads tinned 3/16" w/cover & switch	.87	.67	.61	.55
12BH325/C	O	2	AA	6" leads tinned 3/16" w/cover	.61	.55	.39	.36
12BH325/CS	O	2	AA	6" leads tinned 3/16" w/cover & switch	.76	.63	.57	.52
12BH331/C	P	3	AA	6" leads tinned 3/16" w/cover	.79	.72	.51	.47
12BH331/CS	P	3	AA	6" leads tinned 3/16" w/cover & switch	.91	.76	.69	.63
12BH348/C	Q	4	AA	6" leads tinned 3/16" w/cover	.93	.85	.61	.55
12BH348/CS	Q	4	AA	6" leads tinned 3/16" w/cover & switch	1.04	.87	.79	.72
12BH421/C	O	2	AAA	6" leads tinned 3/16" w/cover	.56	.51	.36	.33
12BH421/CS	O	2	AAA	6" leads tinned 3/16" w/cover & switch	.69	.58	.53	.48
12BH431/C	P	3	AAA	6" leads tinned 3/16" w/cover	.75	.68	.48	.44
12BH431/CS	P	3	AAA	6" leads tinned 3/16" w/cover & switch	.89	.74	.67	.61
12BH441/C	Q	4	AAA	6" leads tinned 3/16" w/cover	.91	.83	.59	.54
12BH441/CS	Q	4	AAA	6" leads tinned 3/16" w/cover & switch	1.02	.85	.78	.71

EAGLE PLASTIC DEVICES 9V Battery Snaps

epd
eagle plastic devices

Largest selection of battery snaps available.
All leads are stripped and pre-tinned. Leads are polarity color coded.
All except "molded" type, feature PVC plastic insulation over a base of vulcanized fiber board.



MINI BATTERY SNAPS AND RIVETS

- Standard 9 volt size (.5" snap spacing)
- Available with 4, 5, or 6 prong contacts
- Black (except where noted)
- Available in 22AWG, 24AWG, and 26AWG stranded lead wires
- Male snap: .225" (O.D.)
- Female snap: .205" (I.D.)
- Rivets can be applied to PC boards, battery holders, battery packs, etc.

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	100	1,000	10,000
12BC269	A	Mini battery female snap	.030	.024	.022	.020
12BC261	B	Mini battery male snap	.030	.024	.022	.020
48BC001	C	Mini rivet for snap	.030	.024	.022	.020
12BC220	D	Female snap-in battery terminal	.18	.14	.127	.115
12BC210	E	Male snap-in battery terminal	.18	.14	.127	.115

STANDARD BATTERY SNAPS

- UL listed wire

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (In.)	Contacts	Price Each			
					1	100	1,000	10,000
12BC310	F	26AWG	4	6 Prong	.33	.24	.19	.17
12BC309	F	26AWG	6	6 Prong	.37	.26	.20	.178
12BC311	G	26AWG	4	6 Prong	.39	.28	.21	.188
121-0426/I	H	26AWG	4	6 Prong	.27	.19	.135	.12
121-0526/I	H	26AWG	5	6 Prong	.27	.19	.135	.12
121-0626/I	H	26AWG	6	6 Prong	.27	.19	.135	.12
121-0826/I	H	26AWG	8	6 Prong	.27	.19	.135	.12
121-1026/I	H	26AWG	10	6 Prong	.29	.20	.145	.127
121-1226/I	H	26AWG	12	6 Prong	.29	.20	.145	.127
121-0424/I	H	24AWG	4	6 Prong	.27	.19	.135	.12
121-0624/I	H	24AWG	6	6 Prong	.27	.19	.135	.12
121-0422/I	H	22AWG	4	6 Prong	.29	.20	.145	.127
121-0622/I	H	22AWG	6	6 Prong	.29	.20	.145	.127
121-1022/I	H	22AWG	10	6 Prong	.35	.25	.177	.156
121-0426/T	I	26AWG	4	6 Prong	.27	.19	.135	.12
121-0526/T	I	26AWG	5	6 Prong	.27	.19	.135	.12
121-0626/T	I	26AWG	6	6 Prong	.27	.19	.135	.12
121-0826/T	I	26AWG	8	6 Prong	.27	.19	.135	.12
121-1026/T	I	26AWG	10	6 Prong	.29	.20	.145	.127
121-0426/O	J	26AWG	4	6 Prong	.29	.20	.145	.127
121-0626/O	J	26AWG	6	6 Prong	.29	.20	.145	.127
121-0424/O	J	24AWG	4	6 Prong	.29	.20	.145	.127
121-0624/O	J	24AWG	6	6 Prong	.29	.20	.145	.127
121-0422/O	J	22AWG	4	6 Prong	.35	.25	.177	.156
121-0622/O	J	22AWG	6	6 Prong	.35	.25	.177	.156

Wires Terminated With 2 Pole Socket

- Mates with Molex P/N 22-11-2022

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (In.)	Contacts	Price Each			
					1	100	1,000	10,000
121-0426/IM	K	26AWG	4	6 prong	.30	.25	.23	.21
121-0626/IM	K	26AWG	6	6 prong	.30	.25	.23	.21
121-0426/TM	L	26AWG	4	6 prong	.32	.26	.24	.22
121-0626/TM	L	26AWG	6	6 prong	.32	.26	.24	.22
121-0426/OM	M	26AWG	4	6 prong	.33	.27	.25	.23
121-0626/OM	M	26AWG	6	6 prong	.33	.27	.25	.23

- Zipcord leads (black and white)

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (In.)	Contacts	Price Each			
					1	100	1,000	10,000
12BC015	N	24AWG	4	4 Prong	.37	.26	.20	.185
12BC010	N	24AWG	6	4 Prong	.42	.30	.22	.20
12BC016	N	24AWG	10	4 Prong	.44	.33	.24	.222

BATTERY SNAPS

Molded 4000 Series

- Molded 2 piece construction.
- Covers battery terminals completely.
- UL1007 26AWG wire stripped and tinned 5mm.
- Material ABS resin, black.
- 6 prong brass nickel plated snap.
- UL listed wire

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (In.)	Contacts	Price Each			
					1	100	1,000	10,000
123-4006	O	26AWG	6	6 prong	.38	.25	.23	.21
123-4016	P	26AWG	6	6 prong	.38	.25	.23	.21

Wires Terminated With 2 Pole Socket

- Mates with Molex P/N 22-11-2022

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (In.)	Contacts	Price Each			
					1	100	1,000	10,000
123-4006/M	Q	26awg	6	6 prong	.43	.36	.33	.30
123-4016/M	R	26awg	6	6 prong	.43	.36	.33	.30

Molded 5000 Series

A unique 2 piece molded design. Leads are attached to the snaps with copper solderless ring terminals for extra strength and reliability. 7-strand copper conductor (tin overcoated).

- UL listed wire

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (In.)	Contacts	Price Each			
					1	100	1,000	10,000
123-5004	S	26AWG	4	6 Prong	.36	.22	.20	.18
123-5006	S	26AWG	6	6 Prong	.36	.22	.20	.18
123-5008	S	26AWG	8	6 Prong	.41	.24	.22	.20
123-5114	T	26AWG	4	6 Prong	.41	.24	.22	.20
123-5116	T	26AWG	6	6 Prong	.39	.23	.21	.20
123-5118	T	26AWG	8	6 Prong	.43	.26	.23	.21

Wires Terminated With 2 Pole Socket

- Mates with Molex P/N 22-11-2022

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (In.)	Contacts	Price Each			
					1	100	1,000	10,000
123-5004/M	U	26AWG	4	6 prong	.39	.33	.30	.27
123-5006/M	U	26AWG	6	6 prong	.39	.33	.30	.27
123-5114/M	V	26AWG	4	6 prong	.39	.33	.30	.27
123-5116/M	V	26AWG	6	6 prong	.39	.33	.30	.27

Molded PREMIUM 7000 Series

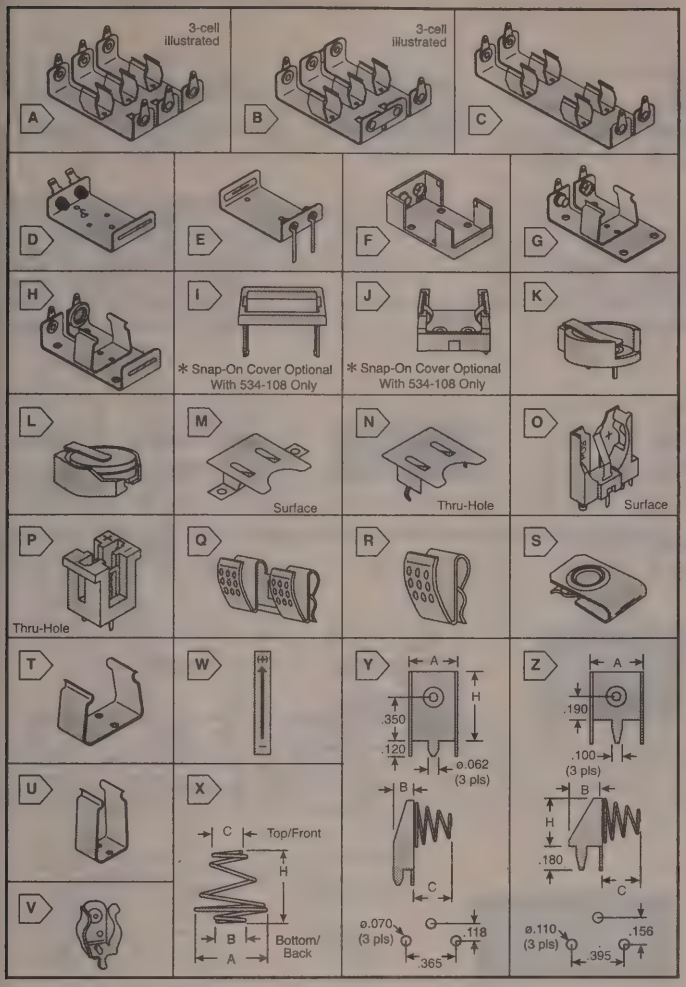
A unique 2 piece molded design. Leads are attached to the snaps with copper solderless ring terminals for extra strength and reliability.

- High reliability 6 prong nickel plated brass snaps
- Attractive white housing with light blue cover
- UL/CSA 1007 24AWG stripped and tinned wire
- Solderless ring terminals eliminate cold solder joints

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (In.)	Contacts	Price Each			
					1	100	1,000	10,000
123-7014	W	24AWG	4	6 Prong	.83	.42	.38	.35
123-7016	W	24AWG	6	6 Prong	.83	.42	.38	.35
123-7020	W	24AWG	10	6 Prong	.89	.45	.42	.38

KEYSTONE Battery Holders, Clips, & Spring Contacts



KEYSTONE ALUMINUM BATTERY HOLDERS

In series type holders feature pre-connected jumper strap insulated from the aluminum base. Batteries held in series circuit without additional wiring.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Cells	Type	Price Each 1	10	100
"AA" Size						
534-139	A	1	One cell individually connected	.91	.76	.67
534-140	A	2	Two cells individually connected	1.78	1.48	1.35
534-146	B	2	Two cells connected in series	1.94	1.62	1.52
534-171	A	3	Three cells individually connected	2.82	2.35	2.06
534-147	B	3	Three cells connected in series	3.38	2.82	2.49
534-192	C	4	Four cells individually connected, 2 x 2	2.74	2.28	1.97
534-148	C	4	Four cells connected in series	2.99	2.49	2.21
"C" Size						
534-173	A	1	One cell individually connected	1.07	.89	.82
534-174	A	2	Two cells individually connected	1.90	1.58	1.43
534-149	B	2	Two cells connected in series	2.08	1.73	1.64
534-151	C	4	Four cells connected in series	3.46	2.88	2.71
"D" Size						
534-175	A	1	One cell individually connected	1.24	1.03	.93
534-176	A	2	Two cells individually connected	2.23	1.86	1.67

KEYSTONE "6V" LITHIUM BATTERY HOLDERS

• For Eveready EL223A or equivalent

MOUSER STOCK NO.	Fig.	No. of Cells	Terminal Type	Price Each 1	10	100
534-223	D	1	Quick disconnect/solder lug	2.15	1.79	1.67
534-224	E	1	PC	2.27	1.89	1.74

KEYSTONE "9V" BATTERY HOLDERS

Glass Filled Nylon

• Terminals: tin plated brass • Contacts: nickel plated steel **For quantities of 500 and up, call for quote.**

534-1294	F	1	PC	1.00	.83	.77
534-1295	F	1	Solder	.96	.80	.73

Aluminum

• Solder & PC lugs: tin plated brass • Contacts & clips: nickel plated steel • Insulation: resin impregnated fibre

534-1290	G	1	Solder	1.52	1.27	1.18
534-1291	G	1	PC	1.57	1.31	1.23
534-203	H	1	Solder	1.81	1.61	1.51

KEYSTONE PC BATTERY HOLDERS

• Snap-in design *UL 94V-0 material

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100
*534-108A	I	1 cell; Cover only	.49	.41	.33
*534-108	J	1 cell; 1/2 AA size	.91	.76	.61
534-1028	J	1 cell; AA size	.91	.76	.61

KEYSTONE PC MOUNT COIN CELL BATTERY HOLDERS

• Contact material: nickel over copper plated spring steel • Housing material: glass-filled nylon, UL 94V-0

534-501	K	2-ø12mm cells; BR1216, CR1216, BR1220, CL1220, CR1220, BR1225	1.91	1.59	1.32
534-502	K	1-ø16mm cell; BR1616, CR1616, CR1620, CR1632	1.07	.89	.72
534-103	K	1-ø20mm cell; BR2016, BR2020, BR2025, BR2032	1.07	.89	.72
534-104	K	1-ø23mm cell; BR2320, BR2325, BR2330, BR2335	1.07	.89	.72
534-301	K	1-ø30mm cell; BR3032	1.07	.89	.72

KEYSTONE PC MOUNT COIN CELL BATTERY HOLDERS

• Made of UL approved glass-filled nylon 94V-0 **For quantities of 500 and up, call for quote.**

534-500	K	Holds 3-volt cell, .47" dia. x .1"	1.73	1.44	1.16

MOUSER STOCK NO.	Fig.	No. of Cells	Duracell	Ray-O-Vac Panasonic	Eveready GP	Price Each 1	10	100
534-105	K	1	-----	-----	-----	1.07	.89	.72
534-1025	K	2	DL2430	-----	-----	1.18	.98	.79
		1	DL2450	-----	-----			
534-106	K	1	DL2016	BR2016	CR2016	1.07	.89	.72
534-1026	K	2	DL2025	CR2016	CR2025	1.18	.98	.79
			DL2032	CR2025	CR2023			
			-----	BR2032	CR2032			
534-107	K	1	CR2316	BR2320	-----	1.08	.90	.72
			-----	CR2325	-----			
534-1027	K	2	-----	BR2330	-----	1.18	.98	.79

KEYSTONE COIN CELL BATTERY HOLDERS

• Contact: tin over nickel plated steel • Housing: Nylon, Stanyl-46 • Temp. rating: -15°C to 282°C

MOUSER STOCK NO.	Fig.	No. of Cells	Cell Dia.	Fits Battery Types	Price Each 1	10	100
534-1061	L	1	20mm	2016, 2025, 2032	1.44	1.20	.96
534-1062	L	2	20mm	2016, 2025, 2032	1.44	1.20	.96

KEYSTONE COIN CELL HOLDERS

• Spring: nickel plated steel **For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.	Fig.	Cell Dia.	Description	Price Each 1	10	100
Horizontal						
534-3000	M	12mm	BR1216, BR1220, BR1225	.32	.27	.21
534-3002	M	20mm	BR2016, BR2020, BR2025, BR2032	.33	.28	.22
534-3004	M	23mm	BR2320, BR2325, BR2330	.34	.28	.21
534-3006	M	24mm	CR2430, DL2430	.35	.29	.23
534-3001	N	12mm	BR1216, BR1220, BR1225	.32	.27	.21
534-3003	N	20mm	BR2016, BR2020, BR2025, BR2032	.33	.28	.22
534-3005	N	23mm	BR2320, BR2325, BR2330	.34	.28	.22
Vertical						
534-1065	O	20mm	Fits all major mfg. 20mm batteries	1.29	1.08	.87
534-1067	P	20mm	Fits all major mfg. 20mm batteries	1.29	1.08	.87

KEYSTONE SNAP-ON BATTERY CLIPS

• Self-anchoring • Clips over panels from .060" to .070" thick

MOUSER STOCK NO.	Fig.	No. of Cells	Description	Price Each 1	100	500
534-210	Q	2	A and AA snap-on double clip	.40	.20	.17
534-202	Q	2	AAA, AAAA and N snap-on double clip	.40	.20	.17
534-288	Q	2	A and AA snap-on double clip	.40	.20	.17
534-204	R	1	AAA, AAAA and N snap-on clip	.27	.13	.11
534-209	R	1	AA snap-on clip	.27	.13	.11
534-228	S	1	AA positive snap-on clip	.21	.10	.09
534-238	S	1	AAA, AAAA and N snap-on clip	.19	.094	.079

KEYSTONE BATTERY CLIPS

• Aluminum clips: plain finish • Steel clips: nickel plated

MOUSER STOCK NO.	Fig.	Fits 9V Size	Dimensions H x W (In.)	Cell Mounts	Material	Price Each 1	10	100
534-071	T	.593 x 1.031	.687 x 1.031	flat / horiz.	.015 steel	.28	.23	.19
534-079	T	.650 x 1.031	.765 x 1.050	flat / horiz.	.015 steel	.33	.27	.23
534-080	U	.650 x 1.031	1.187 x .625	side / vert.	.015 steel	.37	.31	.25
534-095	U	.625 x 1.000	1.125 x .656	side / vert.	.025 alum.	.30	.25	.21

KEYSTONE PC BATTERY CLIP

• For A and AA type batteries with diameters from .531" to .665" • Spring: .015", nickel plated steel

MOUSER STOCK NO.	Fig.	Description	Price Each 1	100	500
534-082	V	1 cell; AAA and N snap-on clip	.18	.13	.11
534-092	V	1 cell; A, AA type battery clip, snap-in design	.18	.13	.11

KEYSTONE POLARITY INDICATOR LABELS

• Pressure sensitive adhesive back • Adheres to all surfaces

534-058	W	Labels measure .25" x 1.375"	.06	.029	.025

KEYSTONE BATTERY SPRING CONTACTS

• Easy to assemble with eyelets or rivets • Spring: nickel plated steel

MOUSER STOCK NO.	Fig.	Battery Type	Dimension (In.) H	A	B	C	Price Each 1	100	500	1000
534-211	X	AA, A	.290	.335	.100	.140	.11	.056	.046	.028
534-211D	X	C, D	.850	.650	.162	.300	.24	.118	.100	.060

KEYSTONE PC SPRING CONTACTS

• Space saving design installs directly onto the PC board • Spring: .015", tin plated steel

534-628	Y	A	.55	.38	.156	.29	.36	.34	.29	.26
534-629	Z	AA, AAA	.38	.41	.265	.29	.36	.34	.29	.26

DATEL Digital Panel Meters

DATEL
A SUBSIDIARY OF C&D TECHNOLOGIES

LOOP-POWERED 4-20MA READOUTS

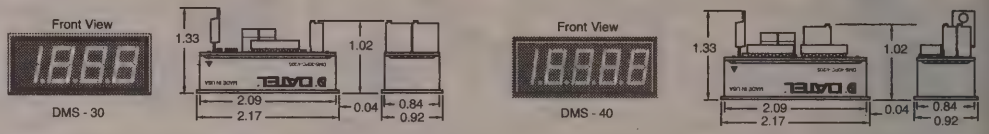
Features:
- Totally loop powered - no external supplies
- Industry's only loop powered, full-size LED readouts
- 3 1/2 and 4 1/2 digit resolutions; LED/LCD displays
- DIP-switch selectable span/offset/decimal points
- On-board gain/span and zero/offset trim pots

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Description	Price Each 1	5	10	25
580-DMS20LCD-420S	DMS-20LCD-4/20S	Unipolar reading, 3 1/2 digit red LCD display, 0.37" digits	54.00	53.00	52.00	50.00
580-DMS20PC-420B	DMS-20PC-4/20B	Bipolar reading, 3 1/2 digit red LED display, 0.37" digits	72.00	70.50	69.00	67.00
580-DMS20PC-420P	DMS-20PC-4/20P	Positive reading, 3 1/2 digit red LED display, 0.37" digits	72.00	70.50	69.00	67.00
580-DMS40LCD-420S	DMS-40LCD-4/20S	Unipolar reading, 4 1/2 digit red LCD display, 0.40" digits	110.00	106.50	103.50	99.00

LOCALLY POWERED 4-20MA READOUTS

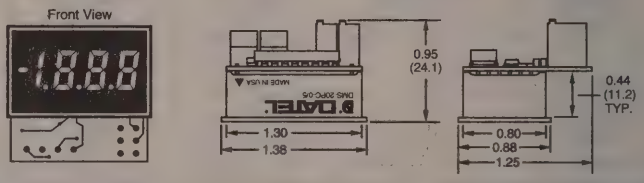
Features:
- +24V isolated power supply required, 60mA max.
- 3 1/2 and 4 1/2 digit resolutions; LED displays
- DIP-switch selectable span/offset/decimal points
- On-board gain/span and zero/offset trim pots



580-DMS30PC-24RS-I	DMS-30PC-4/20S-24RS-I	3 1/2 digit standard-density red LED display, 0.56" digits	84.00	82.25	80.50	78.00
580-DMS40PC-24RS-I	DMS-40PC-4/20S-24RS-I	4 1/2 digit standard-density red LED display, 0.52" digits	116.00	112.50	109.00	104.50

0-5V AND 0-10V PROCESS CONTROL MONITOR

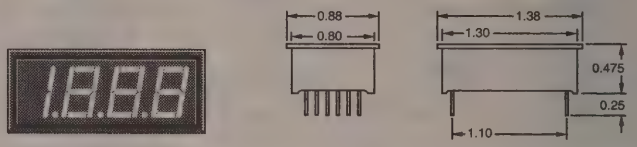
Features:
- Full-size, 0.52"/13.2mm LED display
- Accepts 0-5V and 0-10V inputs
- +4.75V to +40V power supply required, 15mA max.
- DIP-switch selectable range and decimal ponts
- On-board gain/span and zero/offset trim pots



580-DMS20PC-05-24RL	DMS-20PC-0/5-24RL	3 1/2 digit low-power red LED display	78.00	76.50	75.00	72.50

SUBMINIATURE LED PANEL METERS

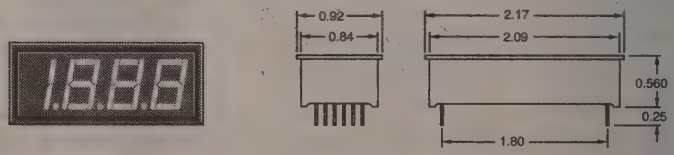
Features:
- Large 0.37"/9.4mm LED display
- 12-pin DIP packages, panel or board mountable
- Moisture/vibration resistant encapsulated packages
- Single 5V power supply required, 75mA typ.
- Additional display options available- contact a Mouser Service Representative



580-DMS-20PC-0-BS	DMS-20PC-0-BS	±200mV input range, 3 1/2 digit standard blue LED display	50.00	47.50	45.00	41.50
580-DMS-20PC-1-BS	DMS-20PC-1-BS	±2V input range, 3 1/2 digit standard blue LED display	50.00	47.50	45.00	41.50
580-DMS-20PC-2-BS	DMS-20PC-2-BS	±20V input range, 3 1/2 digit standard blue LED display	50.00	47.50	45.00	41.50

MINIATURE LED PANEL METERS

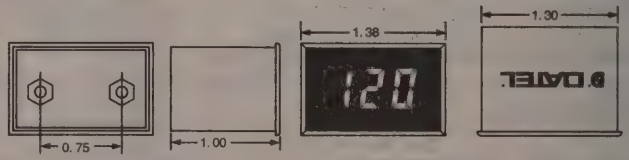
Features:
- Large 0.56"/14.2mm LED display
- 12-pin DIP packages, panel or board mountable
- Moisture/vibration resistant encapsulated packages
- Single 5V power supply required, 150mA typ.
- Additional display options available- contact a Mouser Service Representative



580-DMS-30PC-0-BS	DMS-30PC-0-BS	±200mV input range, 3 1/2 digit super blue LED display	65.00	60.00	58.00	55.50
580-DMS-30PC-1-BS	DMS-30PC-1-BS	±2V input range, 3 1/2 digit super blue LED display	65.00	60.00	58.00	55.50
580-DMS-30PC-2-BS	DMS-30PC-2-BS	±20V input range, 3 1/2 digit super blue LED display	65.00	60.00	58.00	55.50

3 DIGIT LED AC LINE VOLTAGE MONITOR

Features:
- Screw terminals for panel mounting
- No auxiliary power required
- Fully encapsulated for harsh environments
- UL, CSA, and IEC1010-1 certified
- Additional display options available - contact a Mouser Service Representative



580-DMS-20PC-1-LM-B	DMS-20PC-1-LM-B	Blue LED readout, 0.37" digits	65.00	60.00	58.00	55.50

PANEL METER ACCESSORIES

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Description	Price Each 1	5	10	25
580-DMS-BZL1	DMS-BZL1	DMS-30/40 bezel assembly	4.00	3.85	3.70	3.50
580-DMS-BZL2	DMS-BZL2	DMS-30/40 bezel assembly with EPDM rubber gasket	6.00	5.85	5.70	5.50
580-DMS-BZL3	DMS-BZL3	DMS-20 bezel assembly	4.00	3.85	3.70	3.50
580-DMS-BZL4	DMS-BZL4	DMS-20 bezel assembly with EPDM rubber gasket	6.00	5.85	5.70	5.50
580-DMS-EB	DMS-EB	DMS-30/40 multi-purpose application board	14.00	13.75	13.50	13.00
580-DMS-EB2	DMS-EB2	DMS-20 multi-purpose application board	14.00	13.75	13.50	13.00

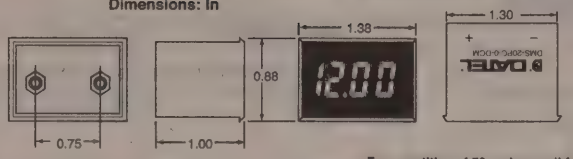
DATEL Digital Panel Meters

DATEL®
A SUBSIDIARY OF C&D TECHNOLOGIES

SELF-POWERED, POSITIVE INPUT DC VOLTAGE MONITORS

Features:
- Screw terminals for panel mounting
- No auxiliary power required
- 0.37"/9.4mm high LED displays
- 13mA (max.) current consumption
- Additional display options available
  - contact a Mouser Service Representative

Dimensions: In



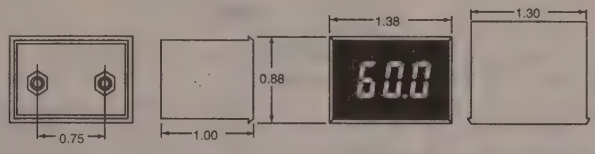
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Description	Price Each 1	5	10	25
580-DMS20PC-0-DCM-B	DMS-20PC-0-DCM-B	4.50 to 19.99VDC input range, 3 1/2 digit blue LED display	59.00	53.50	49.00	45.50
580-DMS20PC-1-DCM-B	DMS-20PC-1-DCM-B	8.0 to 50.0VDC input range, 3 1/2 digit blue LED display	59.00	53.50	49.00	45.50

SELF-POWERED AC LINE FREQUENCY MONITORS

Features:
- Screw terminals for panel mounting
- No auxiliary power required
- Epoxy encapsulated for harsh environments
- 0.40"/10.2mm 3 - digit red LED display

Dimensions: In

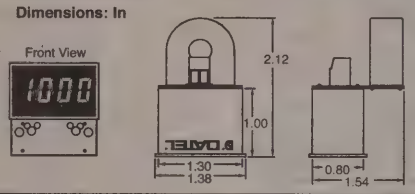


580-DMS-20PC-1-FM	DMS-20PC-1-FM	47.0 - 99.0 Hz (85-140VAC) frequency monitor	56.00	53.00	50.50	46.50
580-DMS-20PC-3-FM	DMS-20PC-3-FM	47.0 - 99.0 Hz (170-264VAC) frequency monitor	56.00	53.00	50.50	46.50

AC AMMETERS WITH BUILT-IN CURRENT TRANSFORMERS

Features:
- Built-in current transformers for direct measurements of 0 to 2/20/50/100 Amps
- 0.37"/9.4mm 31/2 - digit red LED display
- 2000V isolation; UL/CSA recognized
- AC powered models: 85-264VAC @ 50/60Hz

Dimensions: In

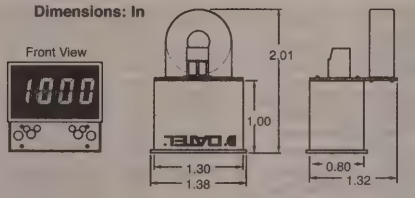


580-ACA-20PC-1-AC1	ACA-20PC-1-AC1-RL	0-1.999A input range, 3 1/2 digit red standard LED display	78.00	75.50	73.50	70.00
580-ACA-20PC-2-AC1	ACA-20PC-2-AC1-RL	0-19.99A input range, 3 1/2 digit red standard LED display	78.00	75.50	73.50	70.00
580-ACA-20PC-3-AC1	ACA-20PC-3-AC1-RL	0-50.0A input range, 3 1/2 digit red standard LED display	84.00	81.50	79.00	75.50
580-ACA-20PC-4-AC1	ACA-20PC-4-AC1-RL	0-100.0A input range, 3 1/2 digit red standard LED display	84.00	81.50	79.00	75.50

5 AMP INPUT 50-500A AC AMMETERS

Features:
- 0.37"/9.4mm 3 1/2-digit red LED display
- Scales and displays the output of 50:5A to 500:5A current transformers
- On-board 5A current transformers
- 2000V isolation; UL/CSA recognized
- 120/220VAC, 50/60Hz, 30mA typ.
- Additional display options available
  - contact a Mouser Service Representative

Dimensions: In

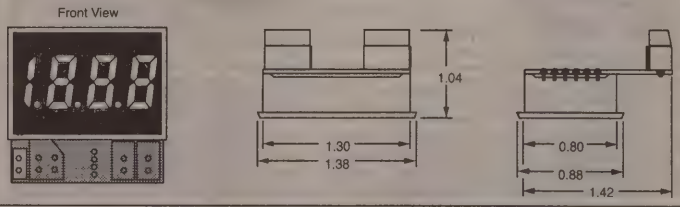


580-ACA5-20PC-1-AC1	ACA5-20PC-1-AC1-RL	0-50.0A input range, 3 1/2 digit red standard LED display	72.00	70.00	67.50	65.00
580-ACA5-20PC-3-AC1	ACA5-20PC-3-AC1-RL	0-100.0A input range, 3 1/2 digit red standard LED display	72.00	70.00	67.50	65.00
580-ACA5-20PC-5-AC1	ACA5-20PC-5-AC1-RL	0-199.9A input range, 3 1/2 digit red standard LED display	72.00	70.00	67.50	65.00
580-ACA5-20PC-9-AC1	ACA5-20PC-9-AC1-RL	0-500A input range, 3 1/2 digit red standard LED display	72.00	70.00	67.50	65.00

SUBMINIATURE DC AMMETERS WITH BUILT-IN SHUNTS

Features:
- 0.37"/9.4mm 3 1/2-digit red LED display
- Functionally complete - no additional components required
- Wide power supply inputs - 5-40VDC
- 20mV internal shunt minimizes power loss
- Factory calibrated to ±0.1% accuracy
- Additional display options available
  - contact a Mouser Service Representative

Dimensions: In

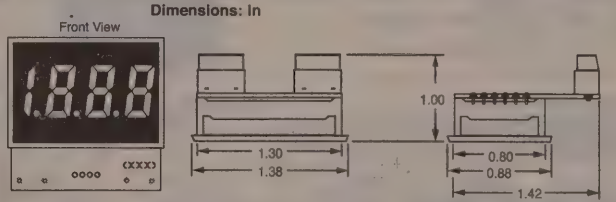


580-DCA-20PC-4-DC4	DCA-20PC-4-DC4-RL	0-199.9mA input range, 3 1/2 digit low-power red LED display	64.00	58.00	53.50	49.50
580-DCA-20PC-5-DC4	DCA-20PC-5-DC4-RL	0-1.999A input range, 3 1/2 digit low-power red LED display	64.00	58.00	53.50	49.50
580-DCA-20PC-6-DC4	DCA-20PC-6-DC4-RL	0-19.99A input range, 3 1/2 digit low-power red LED display	64.00	58.00	53.50	49.50

50MV AND 100MV INPUT SUBMINIATURE DC AMMETERS

Features:
- 0.37"/9.4mm 3 1/2-digit red LED display
- Scales and displays the output of 50:5A to 500:5A current transformers
- Wide power supply inputs - 5-40VDC
- Factory calibrated to ±0.1% accuracy
- Additional display options available
  - contact a Mouser Service Representative

Dimensions: In



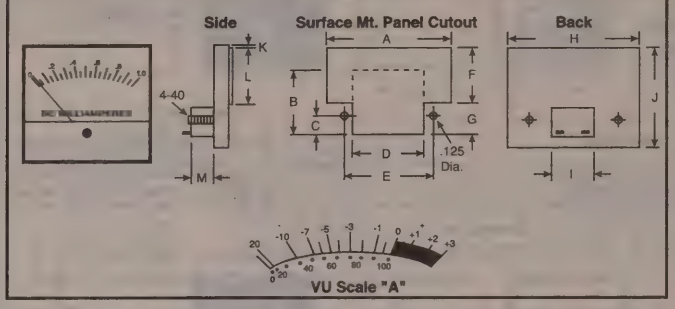
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Description 50mV Shunt Readings	100mV Shunt Readings	Price Each 1	5	10	25
580-DCA5-20PC-1-DC4	DCA5-20PC-1-DC4-RL	5.00A/50.0A/500A	10.00A/100.0A/1000A	59.00	53.50	49.00	45.50
580-DCA5-20PC-2-DC4	DCA5-20PC-2-DC4-RL	1.000A/10.00A/100.0A/1000A	1.999A/19.99A/199.9A/1999A	59.00	53.50	49.00	45.50
580-DCA5-20PC-5-DC4	DCA5-20PC-5-DC4-RL	15.00A/150.0A/1500A	N/A	59.00	53.50	49.00	45.50
580-DCA5-20PC-6-DC4	DCA5-20PC-6-DC4-RL	1.999A/19.99A/199.9A/1999A	N/A	59.00	53.50	49.00	45.50

JEWELL MODUTEC Panel Meters

Jewell Instruments MODUTEC PANEL MOUNT ±5% Accuracy

DIMENSIONS: IN



Meter Size (In.)	Dimensions: IN												
	A	B	C	D	E	F	G	H	I	J	K	L	M
1	1.45	1.14	.330	.950	1.20	.885	.64	1.51	.90	1.59	.06	.846	.50
2	2.32	1.25	.350	1.130	2.00	1.410	.71	2.48	1.10	2.36	.08	1.409	.51
3 1/2	3.58	1.71	.584	2.125	2.50	1.540	1.21	3.73	.94	2.90	.07	1.585	.47

1" Surface Mount

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Type of Meter	Range	Res. (Ω)	Price Each 1	5	10	50
541	OMS-AAA-001	AC Ammeter	0-1	- - -	23.45	22.75	22.04	21.34
541	OMS-AAA-005	AC Ammeter	0-5	- - -	23.45	22.75	22.04	21.34
541	OMS-AAA-010	AC Ammeter	0-10	- - -	23.45	22.75	22.04	21.34
541	OMS-AVV-150	AC Voltmeter	0-150	200/V	21.35	20.71	20.07	19.43
541	OMS-DAA-005	DC Ammeter	0-5	.0002	19.25	18.67	18.10	17.52
541	OMS-DMA-001	DC Milliammeter	0-1	2.3K	19.25	18.67	18.10	17.52
541	OMS-DMA-005	DC Milliammeter	0-5	500	19.25	18.67	18.10	17.52
541	OMS-DMA-010	DC Milliammeter	0-10	244	19.25	18.67	18.10	17.52
541	OMS-DVV-010	DC Voltmeter	0-10	200/V	20.30	19.69	19.08	18.47
541	OMS-DVV-015	DC Voltmeter	0-15	200/V	20.30	19.69	19.08	18.47
541	OMS-DVV-030	DC Voltmeter	0-30	200/V	20.30	19.69	19.08	18.47
541	OMS-DVV-050	DC Voltmeter	0-50	200/V	20.30	19.69	19.08	18.47

2" Surface Mount

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Type of Meter	Range	Res. (Ω)	Price Each 1	5	10	50
541	MSQ-AVU-AW	VU-Type Meter	Vu "A"	- - -	28.70	27.84	26.98	26.12
541	MSQ-DAA-005	DC Ammeter	0-5	.0002	21.35	20.71	20.07	19.43
541	MSQ-DAA-010	DC Ammeter	0-10	.0002	21.35	20.71	20.07	19.43
541	MSQ-DAA-020	DC Ammeter	0-20	.0002	21.35	20.71	20.07	19.43
541	MSQ-DAA-030	DC Ammeter	0-30	.0002	21.35	20.71	20.07	19.43
541	MSQ-DMA-001	DC Milliammeter	0-1	2.3K	21.35	20.71	20.07	19.43
541	MSQ-DMA-100	DC Milliammeter	0-100	2.3	21.35	20.71	20.07	19.43
541	MSQ-DMA-1U1	DC Milliammeter	1-0-1	970	22.75	22.07	21.39	20.70
541	MSQ-DVV-015	DC Voltmeter	0-15	200/V	22.40	21.73	21.06	20.38
541	MSQ-DVV-030	DC Voltmeter	0-30	200/V	22.40	21.73	21.06	20.38
541	MSQ-DVV-050	DC Voltmeter	0-50	200/V	22.40	21.73	21.06	20.38

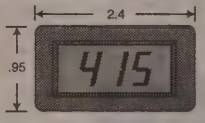
3 1/2" Surface Mount

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Type of Meter	Range	Res. (Ω)	Price Each 1	5	10	50
541	MS-AVV-150	AC Voltmeter	0-150	200/V	25.55	24.78	24.02	23.25
541	MS-DAA-005	DC Ammeter	0-5	.0002	23.45	22.75	22.04	21.34
541	MS-DMA-001	DC Milliammeter	0-1	1.1K	23.45	22.75	22.04	21.34
541	MS-DMA-010	DC Milliammeter	0-10	125	23.45	22.75	22.04	21.34
541	MS-DUA-5H5	DC Microammeter	500-0-500	1.1K	24.85	24.10	23.36	22.61
541	MS-DVV-015	DC Voltmeter	0-15	200/V	24.50	23.77	23.03	22.30

BL-100/300/400/500 SERIES 3-1/2 DIGIT LCD METERS

- Surface Mount
- User selectable decimal points
- Choice of 200mV, 2V, 200V, 200uA, 2mA, 20mA, or 200mA input as standard
- Choice of +5VDC, 5VDC, 10-24VDC, 115VAC or 230VAC power options



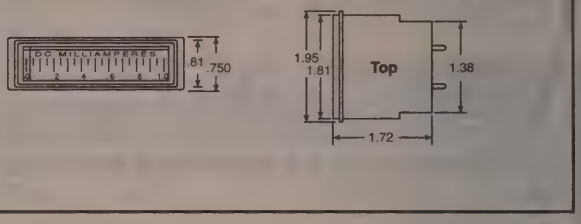
*Backlight Requires 5VDC Power

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Modutec Part No.	Input Range	DC Volt Supply	Display Type	Price Each 1	5
541-BL100101	BL-100101-U	200mV	9	No Backlight	60.75	57.71
541-BL-100301	BL-100301-U	200mV	5	No Backlight	60.75	57.71
541-BL-100102	BL-100102-U	2V	9	No Backlight	60.75	57.71
541-BL-30010101	BL-30010101-U	200mV	9	Positive Green Backlit*	75.80	72.01
541-BL-30030101	BL-30030101-U	200mV	5	Positive Green Backlit*	75.80	72.01
541-BL-40010101	BL-40010101-U	200mV	9	Negative Green Backlit*	79.30	75.34
541-BL-40030101	BL-40030101-U	200mV	5	Negative Green Backlit*	79.30	75.34
541-BL-50010101	BL-50010101-U	200mV	9	Negative Red Backlit*	81.65	77.57
541-00-939033-091	13-Pin Connector For BI-100/300/400/500 Series				4.00	3.80

Jewell Instruments MODUTEC EDGE READING

DIMENSIONS: IN



2" Edge Reading

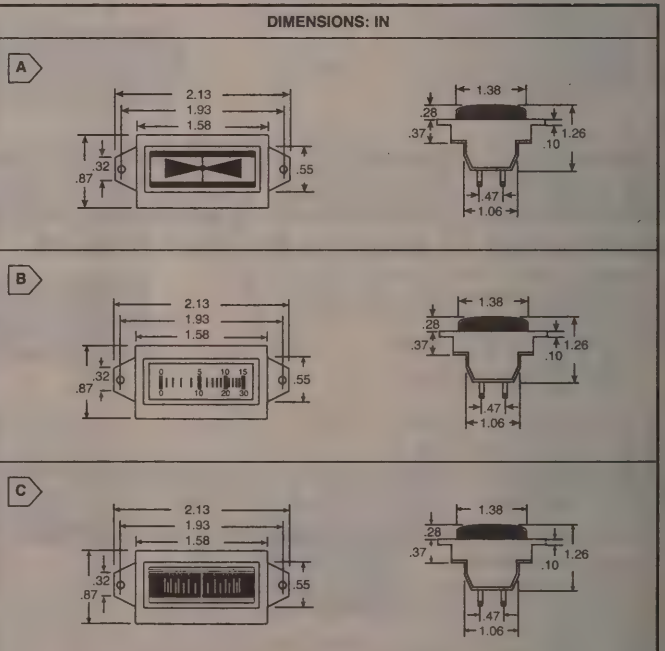
For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Type of Meter	Range	Res. (Ω)	Price Each 1	5	10
541	ME-DAA-005	DC Ammeter	0-5	.0002	18.20	17.65	17.11
541	ME-DAA-010	DC Ammeter	0-10	.0002	18.20	17.65	17.11
541	ME-DAA-020	DC Ammeter	0-20	.0002	18.20	17.65	17.11
541	ME-DMA-001	DC Milliammeter	0-1	2.3K	18.20	17.65	17.11
541	ME-DUA-5H5	DC Microammeter	500-0-500	1.1K	24.45	23.72	22.98
541	MEDVV-010	DC Voltmeter	0-10	200/V	18.20	17.65	17.11
541	ME-DVV-015	DC Voltmeter	0-15	200/V	18.20	17.65	17.11
541	ME-DVV-030	DC Voltmeter	0-30	200/V	18.20	17.65	17.11
541	ME-DVV-050	DC Voltmeter	0-50	200/V	18.20	17.65	17.11
541	ME-DVV-100	DC Voltmeter	0-100	200/V	18.20	17.65	17.11

DC MINIATURE PANEL AMMETERS

These miniature ammeters are small in size, but highly sensitive. They provide quick legible readings and are extremely durable mechanically.

DIMENSIONS: IN



Edge Reading

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Scale	R_{DC} (Ω)	Features	Price Each 1	10	25
391-0105	A	Balance	650	Zero Centering	10.45	8.71	7.92
391-0301	B	0-15+0-30	650	Dual Scale	10.45	8.71	7.92
391-0115	C	20-0-20	650	Zero Centering	10.45	8.71	7.92

Jewell Modutec

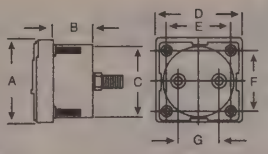
Panel Meters

SIMPSON Analog Panel Meters

ANALOG PANEL METERS

Features:
- Clear, acrylic window for wide angle visibility
- Rugged black phenolic case
- Black spade pointer for easy distant viewing
- Additional ranges available

Wide-Vue Series



Meter Size	Dimensions In Inches						
	A	B	C	D	E	F	G
1-1/2"	1.76	0.86	1.50	1.75	1.31	1.31	1.00
2-1/2"	2.47	1.15	2.17	2.47	1.88	1.88	1.00
3-1/2"	3.25	1.22	2.73	3.25	2.25	2.25	1.50
4-1/2"	4.00	1.20	2.75	4.68	4.00	3.56	1.50

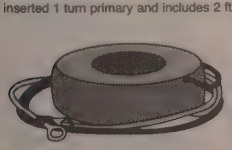
For quantities of 50 or more, call for quote.

Size	1-1/2"				2-1/2"				3-1/2"				4-1/2"			
Range	MOUSER STOCK NO.	Simpson Part No.	Price Each 1	Price Each 10	MOUSER STOCK NO.	Simpson Part No.	Price Each 1	Price Each 10	MOUSER STOCK NO.	Simpson Part No.	Price Each 1	Price Each 10	MOUSER STOCK NO.	Simpson Part No.	Price Each 1	Price Each 10
AC Voltmeter With Iron Vane Movement																
0-10	----------	----------	-	-	529-09670	09670	72.35	68.73	529-10170	10170	74.85	71.11	529-10270	10270	82.30	78.19
0-25	----------	----------	-	-	529-09680	09680	72.35	68.73	529-10190	10190	74.85	71.11	529-10290	10290	82.30	78.19
0-150	----------	----------	-	-	529-09700	09700	72.35	68.73	529-10220	10220	77.40	73.53	529-10320	10320	82.30	78.19
0-300	----------	----------	-	-	529-09710	09710	72.35	68.73	529-10240	10240	77.40	73.53	529-10340	10340	82.30	78.19
0-500	----------	----------	-	-	529-09715 ♦	09715♦	94.10	89.40	529-10250 ♦	12050♦	97.85	92.96	529-10350 ♦	10350♦	104.60	99.37
AC Ammeters With Iron Vane Movement																
0-1	----------	----------	-	-	529-02560	02560	66.65	63.32	529-03130	03130	70.65	67.12	529-03260	03260	74.55	70.82
0-3	----------	----------	-	-	529-02575	02575	66.65	63.32	529-03160	03160	70.65	67.12	529-03290	03290	74.55	70.82
0-5	----------	----------	-	-	529-02580	02580	66.65	63.32	529-03170	03170	70.65	67.12	529-03300	03300	74.55	70.82
0-10	----------	----------	-	-	529-02590	02590	66.65	63.32	529-03180	03180	70.65	67.12	529-03310	03310	74.55	70.82
0-10	----------	----------	-	-	----------	----------	-	-	529-35073 ♦♦	35073♦♦	70.65	67.12	529-35077 ♦♦	35077♦♦	74.55	70.82
0-15	----------	----------	-	-	529-02599	02599	66.65	63.32	529-03190	03190	70.65	67.12	529-03320	03320	74.55	70.82
0-25	----------	----------	-	-	529-02609	02609	69.00	65.55	529-03200	03200	72.85	69.21	529-03330	03330	76.75	72.91
0-30	----------	----------	-	-	529-02615	02615	69.00	65.55	529-03205	03205	72.85	69.21	529-03335	03335	76.75	72.91
0-50	----------	----------	-	-	529-02619	02619	69.00	65.55	529-35075 ♦♦	35075♦♦	70.65	67.12	529-35079 ♦♦	35079♦♦	74.55	70.82
0-100	----------	----------	-	-	529-02622 ♦♦	02622♦♦	66.65	63.32	529-03220 ♦♦	03220♦♦	70.65	67.12	529-03350 ♦♦	03350♦♦	74.55	70.82
0-200	----------	----------	-	-	529-02626 ♦♦	02626♦♦	66.65	63.32	529-03240 ♦♦	03240♦♦	70.65	67.12	529-03370 ♦♦	03370♦♦	74.55	70.82
0-300	----------	----------	-	-	529-02627 ♦♦	02627♦♦	66.65	63.32	529-03250 ♦♦	03250♦♦	70.65	67.12	529-03380 ♦♦	03380♦♦	74.55	70.82
DC Voltmeters																
0-10	529-09541	09541	76.25	72.44	529-09560	09560	76.25	72.44	529-09740	09740	77.10	73.25	529-09890	09890	83.35	79.18
0-15	529-09542	09542	76.25	72.44	529-09570	09570	76.25	72.44	529-09750	09750	77.10	73.25	529-09900	09900	83.35	79.18
0-25	529-09543	09543	76.25	72.44	529-09580	09580	76.25	72.44	529-09760	09760	77.10	73.25	529-09910	09910	83.35	79.18
0-30	529-09544	09544	76.25	72.44	529-09590	09590	76.25	72.44	529-09770	09770	77.10	73.25	529-09920	09920	83.35	79.18
0-50	529-09545	09545	76.25	72.44	529-09600	09600	76.25	72.44	529-09780	09780	77.10	73.25	529-09930	09930	83.35	79.18
0-100	529-09546	09546	76.25	72.44	529-09610	09610	76.25	72.44	529-09790	09790	77.10	73.25	529-09940	09940	83.35	79.18
0-150	529-09547	09547	76.25	72.44	529-09620	09620	76.25	72.44	529-09800	09800	77.10	73.25	529-09950	09950	83.35	79.18
0-500	529-09549 ♦	09549♦	87.89	83.49	529-09640	09640	78.45	74.53	529-09840	09840	81.25	77.19	529-09990	09990	87.05	82.69
Taut Band DC Microammeters																
0-10	----------	----------	-	-	529-04303	04303	144.15	136.94	529-04359	04359	150.75	143.21	529-04459	04459	161.40	153.33
0-25	529-04602	04602	122.43	116.31	529-04306	04306	125.48	119.20	529-04371	04371	131.55	124.97	529-04471	04471	142.50	135.38
0-100	529-04604	04604	87.05	82.69	529-04321	04321	90.20	85.69	529-04391	04391	93.25	88.59	529-04491	04491	102.70	97.57
DC Microammeters																
0-50	529-04294	04294	91.85	87.26	529-04310	04310	91.25	86.68	529-04380	04380	92.90	88.26	529-04480	04480	100.15	95.14
0-100	529-04295	04295	81.48	77.41	529-04320	04320	82.64	78.50	529-04390	04390	85.15	80.89	529-04490	04490	94.60	89.87
0-200	529-04296	04296	75.18	71.42	529-04330	04330	74.85	71.11	529-04400	04400	78.45	74.53	529-04500	04500	85.15	80.89
25-0-25	529-04298	04298	91.85	87.26	----------	----------	-	-	529-04420	04420	94.10	89.40	529-04520	04520	101.00	95.95
50-0-50	529-04302	04302	81.48	77.41	529-04350	04350	83.48	79.30	529-04430	04430	85.65	81.37	529-04530	04530	95.45	90.67
100-0-100	529-04300	04300	75.18	71.42	529-04351	04351	76.25	72.44	529-04440	04440	79.07	75.11	529-04540	04540	85.65	81.37
DC Milliameters																
0-1	529-06163	06163	70.05	66.55	529-06175	06175	71.80	68.21	529-06310	06310	72.85	69.21	529-06470	06470	78.45	74.53
0-5	529-06164	06164	70.05	66.55	529-06190	06190	71.80	68.21	529-06330	06330	72.85	69.21	529-06490	06490	78.45	74.53
0-15	529-06166	06166	70.05	66.55	529-06210	06210	71.80	68.21	529-06350	06350	72.85	69.21	529-06502	06502	78.45	74.53
0-25	529-06167	06167	73.40	69.73	529-06220	06220	72.35	68.73	529-06370	06370	76.25	72.44	529-06530	06530	81.80	77.71
0-50	529-06168	06168	73.40	69.73	529-06230	06230	72.35	68.73	529-06380	06380	76.25	72.44	529-06540	06540	81.80	77.71
0-100	529-06169	06169	73.40	69.73	529-06240	06240	72.35	68.73	529-06390	06390	76.25	72.44	529-06550	06550	81.80	77.71
0-200	529-06171	06171	73.40	69.73	529-06260	06260	72.35	68.73	529-06410	06410	76.25	72.44	529-06570	06570	81.80	77.71
0-300	529-06173	06173	73.40	69.73	529-06280	06280	72.35	68.73	529-06430	06430	76.25	72.44	529-06590	06590	81.80	77.71
0-500	529-06174	06174	73.40	69.73	529-06290	06290	72.35	68.73	529-06440	06440	76.25	72.44	529-06600	06600	81.80	77.71
DC Ammeters																
0-1	529-02431	02431	73.40	69.73	529-02440	02440	72.35	68.73	529-02640	02640	76.25	72.44	529-02820	02820	82.30	78.19
0-2	529-02432	02432	73.40	69.73	529-02460	02460	72.35	68.73	529-02660	02660	76.25	72.44	529-02840	02840	82.30	78.19
0-3	529-02433	02433	73.40	69.73	529-02470	02470	72.35	68.73	529-02670	02670	76.25	72.44	529-02850	02850	82.30	78.19
0-5	529-02434	02434	73.40	69.73	529-02480	02480	72.35	68.73	529-02680	02680	76.25	72.44	529-02860	02860	82.30	78.19
0-10	529-02435	02435	73.40	69.73	529-02490	02490	72.35	68.73	529-02690	02690	76.25	72.44	529-02870	02870	82.30	78.19
0-15	529-02436†	02436†	73.40	69.73	529-02500	02500	72.35	68.73	529-02700	02700	76.25	72.44	529-02880	02880	82.30	78.19
0-25	529-02437†	02437†	73.40	69.73	529-02510	02510	72.35	68.73	529-02710	02710	76.25	72.44	529-02890	02890	82.30	78.19
0-50	529-02438†	02438†	73.40	69.73	529-02530	02530	72.35	68.73	529-02730	02730	76.25	72.44	529-02910	02910	82.30	78.19
0-100	----------	----------	-	-	529-02540 †	02540†	72.35	68.73	529-02740 †	02740†	76.25	72.44	529-02920 †	02920†	82.30	78.19
0-200	----------	----------	-	-	529-02552 †	02552†	72.35	68.73	529-02760 †	02760†	76.25	72.44	529-02940 †	02940†	82.30	78.19
0-300	----------	----------	-	-	529-02554 †	02554†	72.35	68.73	529-02770 †	02770†	76.25	72.44	529-02950 †	02950†	82.30	78.19
0-500	----------	----------	-	-	----------	----------	-	-	529-02780 †	02780†	76.25	72.44	529-02960 *	02960†	82.30	78.19

♦ Furnished with external multiplier ♦♦ Requires external current transformer † Requires external shunt

PANEL METER ACCESSORIES Donut AC Current Transformers

Use with Simpson analog panel instruments and 5A AC digital indicators requiring external transformers. Transformer is inserted 1 turn primary and includes 2 ft. leads. Reduce high AC current signal to 5A AC output to meter.

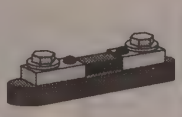


For quantities of 50 or more, call for quote.

Mouser Part No.	Simpson Part No.	Description	Price Each 1	Price Each 10
529-01293	01293	50/5 Amps	33.70	32.02
529-01297	01297	100/5 Amps	34.80	33.06
529-01299	01299	200/5 Amps	34.80	33.06
529-01300	01300	300/5 Amps	34.80	33.06

SHUNTS

- Use with Simpson analog panel instruments and 200mV digital indicators requiring external shunts.
- Convert high DC current signal to 500mV 100mV drop.
- 5ft. leads included.



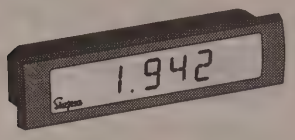
For quantities of 50 or more, call for quote.

Mouser Part No.	Simpson Part No.	Description	Price Each 1	Price Each 10
529-06713	06713	100 Amp 50mV Portable Shunt	45.10	42.85
529-06715	06715	200 Amp 50mV Portable Shunt	45.10	42.85
529-06506	06506	300 Amp 50mV Switchboard Shunt	48.10	45.70
529-06508	06508	500 Amp 50mV Switchboard Shunt	68.80	65.36

SIMPSON Digital Panel Meters

MINI M135 & M145 INDICATORS

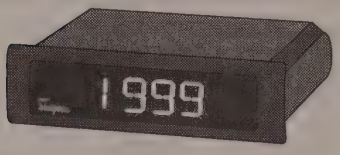
Features:
- 3/64 DIN Indicator
- Minimum depth indicator less than 0.7" (17mm) of space required behind the panel.
- 3 1/2 or 4 1/2 digit LCD display with optional negative image red backlight.
- Snaps right into panel - no mounting hardware required.
- 12 pin mating connector with 6" lead wires included for easy installation.



MOUSER STOCK NO.	Simpson Part No.	Input	Display	Price Each
DC Voltage Indicators				
529-M13500110	M135-0-0-11-0	200mV	Non-Backlit	64.80
529-M13510111	M135-1-0-11-1	200mV	Backlit	86.40
529-M13500120	M135-0-0-12-0	2V	Non-Backlit	64.80
529-M13510121	M135-1-0-12-1	2V	Backlit	86.40
529-M13500130	M135-0-0-13-0	20V	Non-Backlit	64.80
529-M13510131	M135-1-0-13-1	20V	Backlit	86.40
529-M13500140	M135-0-0-14-0	200V	Non-Backlit	64.80
529-M13510141	M135-1-0-14-1	200V	Backlit	86.40
529-M14500110	M145-0-0-11-0	200mV	Non-Backlit	85.40
529-M14510111	M145-1-0-11-1	200mV	Backlit	107.00
529-M14500120	M145-0-0-12-0	2V	Non-Backlit	85.40
529-M14510121	M145-1-0-12-1	2V	Backlit	107.00
DC Voltage Inductors (cont.)				
529-M14500130	M145-0-0-13-0	20V	Non-Backlit	85.40
529-M14510131	M145-1-0-13-1	20V	Backlit	107.00
529-M14500140	M145-0-0-14-0	200V	Non-Backlit	85.40
529-M14510141	M145-1-0-14-1	200V	Backlit	107.00
DC Current Indicators				
529-M13500230	M135-0-0-23-0	20mA	Non-Backlit	64.80
529-M13510231	M135-1-0-23-1	20mA	Backlit	86.40
529-M13500240	M135-0-0-24-0	200mA	Non-Backlit	64.80
529-M13510241	M135-1-0-24-1	200mA	Backlit	86.40
529-M14500230	M145-0-0-23-0	20mA	Non-Backlit	85.40
529-M14510231	M145-1-0-23-1	20mA	Backlit	107.00
529-M14500240	M145-0-0-24-0	200mA	Non-Backlit	85.40
529-M14510241	M145-1-0-24-1	200mA	Backlit	107.00

MINI-MAX SERIES 3/64 DIN INDICATORS

Features:
- 3/64 DIN cutout (22mm x 68mm)
- Unique mounting bracket allows stacking of multiple meters.
- 3-1/2 (M235) or 4-1/2 (M245) digit LCD display with optional negative red backlighting
- Screw terminal connectors for easy installation.



MOUSER STOCK NO.	Simpson Part No.	Input	Display	Price Each
DC Voltage Indicators				
529-M23500110	M235-0-0-11-0	200mV	Non-Backlit	97.30
529-M23510110	M235-1-0-11-0	200mV	Backlit	118.90
529-M23500130	M235-0-0-13-0	20V	Non-Backlit	97.30
529-M23510130	M235-1-0-13-0	20V	Backlit	118.90
529-M24500130	M245-0-0-13-0	20V	Non-Backlit	129.70
529-M24510130	M245-1-0-13-0	20V	Backlit	151.30
529-M24500140	M245-0-0-14-0	200V	Non-Backlit	129.70
529-M24510140	M245-1-0-14-0	200V	Backlit	151.30
DC Current Indicators				
529-M23500240	M235-0-0-24-0	200mA	Non-Backlit	97.30
529-M23510240	M235-1-0-24-0	200mA	Backlit	118.90
529-M23500250	M235-0-0-25-0	2A	Non-Backlit	97.30
529-M23510250	M235-1-0-25-0	2A	Backlit	118.90
AC TRMS Voltage Indicators				
529-M23500310	M235-0-0-31-0	200mV	Non-Backlit	135.40
529-M23510310	M235-1-0-31-0	200mV	Backlit	157.00
529-M23500320	M235-0-0-32-0	2V	Non-Backlit	135.40
529-M23510320	M235-1-0-32-0	2V	Backlit	157.00
529-M23500330	M235-0-0-33-0	20V	Non-Backlit	135.40
AC TRMS Voltage Indicators (cont.)				
529-M23510330	M235-1-0-33-0	20V	Backlit	157.00
529-M23500340	M235-0-0-34-0	200V	Non-Backlit	135.40
529-M23510340	M235-1-0-34-0	200V	Backlit	157.00
529-M24500330	M245-0-0-33-0	20V	Non-Backlit	167.80
529-M24510330	M245-1-0-33-0	20V	Backlit	189.40
529-M24500340	M245-0-0-34-0	200V	Non-Backlit	167.80
529-M24510340	M245-1-0-34-0	200V	Backlit	189.40
AC TRMS Current Indicators				
529-M23500460	M235-0-0-46-0	5A	Non-Backlit	135.40
529-M23510460	M235-1-0-46-0	5A	Backlit	157.00
529-M24500460	M245-0-0-46-0	5A	Non-Backlit	167.80
529-M24510460	M245-1-0-46-0	5A	Backlit	189.40
DC Process Indicators				
529-M23500710	M235-0-0-71-0	4-20mA	Non-Backlit	113.70
529-M23510710	M235-1-0-71-0	4-20mA	Backlit	135.30
529-M24500710	M245-0-0-71-0	4-20mA	Non-Backlit	146.10
529-M24510710	M245-1-0-71-0	4-20mA	Backlit	167.70
Frequency Indicators				
529-M23500810	M235-0-0-81-0	20-199.9Hz	Non-Backlit	97.30
529-M23510810	M235-1-0-81-0	20-199.9Hz	Backlit	118.90

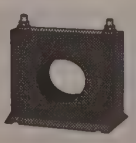
FALCON F35 & F45 INDICATORS

Features:
- 1/8 DIN Indicators
- 3-1/2" or 4-1/2" digit bright red LED display
- Front panel pops off for easy decimal point setting and display scaling
- Only 3.12" (79mm) required behind panel
- Screw terminal connectors for easy installation
- Optional excitation output

MOUSER STOCK NO.	Simpson Part No.	Input	Display	Price Each
AC Current Indicators				
529-F351450	F35-1-45-0	2A	None	151.40
529-F351460	F35-1-46-0	5A	None	151.40
529-F451460	F45-1-46-0	5A	None	244.60
AC TRMS Current Indicators				
529-F351650	F35-1-65-0	2A	None	184.30
529-F351660	F35-1-66-0	5A	None	184.30
529-F451650	F45-1-65-0	2A	None	277.50
529-F451660	F45-1-66-0	5A	None	277.50
DC Process Indicators				
529-F351710	F35-1-71-0	4-20mA	None	147.80
529-F351711	F35-1-71-1	4-20mA	12VDC	147.80
529-F351712	F35-1-71-2	4-20mA	24VDC	206.50
529-F351720	F35-1-72-0	1-5V	None	147.80
529-F451710	F45-1-71-0	4-20mA	None	206.50
529-F451711	F45-1-71-1	4-20mA	12VDC	265.20
529-F451712	F45-1-71-2	4-20mA	24VDC	265.20
529-F451720	F45-1-72-0	1-5A	None	206.50
Temperature Indicators				
529-F451800	F45-1-80-0	J TC	None	206.50
529-F451810	F45-1-81-0	K TC	None	206.50
529-F451900	F45-1-90-0	RTD Pt 100	None	206.50
DC Voltage Indicators				
529-F351110	F35-1-11-0	200mV	None	113.30
529-F351130	F35-1-13-0	20V	None	113.30
529-F351140	F35-1-14-0	200V	None	113.30
529-F351150	F35-1-15-0	750V	None	113.30
DC Voltage Indicators (cont.)				
529-F451110	F45-1-11-0	200mV	None	206.50
529-F451130	F45-1-13-0	20V	None	206.50
529-F451140	F45-1-14-0	200V	None	206.50
529-F451150	F45-1-15-0	750V	None	206.50
DC Current Indicators				
529-F351220	F35-1-22-0	2mA	None	113.30
529-F351230	F35-1-23-0	20mA	None	113.30
529-F351240	F35-1-24-0	200mA	None	113.30
529-F351250	F35-1-25-0	2A	None	113.30
529-F451230	F45-1-23-0	20mA	None	206.50
529-F451240	F45-1-24-0	200mA	None	206.50
529-F451250	F45-1-25-0	2A	None	206.50
AC Voltage Indicators				
529-F351310	F35-1-31-0	200mV	None	151.40
529-F351330	F35-1-33-0	20V	None	151.40
529-F351340	F35-1-34-0	200V	None	151.40
529-F351350	F35-1-35-0	750V	None	151.40
529-F451310	F45-1-31-0	200mV	None	244.60
529-F451330	F45-1-33-0	20V	None	244.60
529-F451340	F45-1-34-0	200V	None	244.60
529-F451350	F45-1-35-0	750V	None	244.60
AC TRMS Voltage Indicators				
529-F351540	F35-1-54-0	200V	None	184.30
529-F351550	F35-1-55-0	750V	None	184.30
529-F451540	F45-1-54-0	200V	None	277.50
529-F451550	F45-1-55-0	750V	None	277.50

AC TO DC CURRENT TRANSDUCERS

Features:
- Reduces high AC current signal to 4-20mA DC signal
- Use with Simpson digital process meters
- 24VDC power required



MOUSER STOCK NO.	Simpson Part No.	Description	Price Each
529-37001	37001	50A/420mA	253.80
529-37002	37002	100A/4-20mA	268.20
529-37006	37006	300A/4-20mA	296.10

TERMINAL TYPE AC CURRENT TRANSFORMERS

Features:
- Use with Simpson 5AAC digital indicators requiring external current transformers
- Reduce high AC current to 5AAC output to meter
- Screw terminals for easy connection

MOUSER STOCK NO.	Simpson Part No.	Description	Price Each
529-37020	37020	100/5 Amp	30.30
529-37021	37021	150/5 Amp	30.30
529-37023	37023	300/5 Amp	30.30

SIMPSON Digital Panel Meters and Test Equipment

GIMA POWER METERING SYSTEM

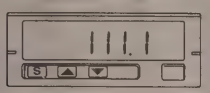
Features:
- Four Model Types Designed to fit a Wide Range of Applications
- One Meter to Measure All Your Values
- DIN (96 x 96mm) Case Needing Only 2.80" (71mm) Behind the Panel
- Easy Installation - Software Detection/Correction of Wiring Errors
- Wide Backlit LCD Display for Easy Viewing
- Easy and Safe to Use - Four Keys Select All Parameters

A three-phase terminal style current transformer can be used with all the GIMA three-phase meters. Simpson's three-phase current transformer can be used to monitor AC current when the current level is too high for the meter. The current transformer is equipped with terminals to permit easy connection to the GIMA units. These terminals are #8-32 brass studs and come with a flatwasher, lockwasher, and a regular nut (leads are not provided).
A modbus module adds multi-drop serial communications to any GIMA meter. The device uses a high speed microprocessor to extract information from the meter and interface to an industry standard modbus system.
An Analog output module adds four DC 2-20 mA analog to any GIMA meter. All outputs are isolated from the metering elements to provide safe connection to external systems.

	G100	G200	G300	G400
Phase Amps	•	•	•	•
Phase Volts	•	•	•	•
Line Volts	•	•	•	•
Per Phase PF	•	•	•	•
Per Phase kW	•	•	•	•
Per Phase kvar			•	•
3 Phase PF	•	•	•	•
3 Phase kW	•	•	•	•
3 Phase kvar				•
Frequency	•	•	•	•
kWh		•	•	•
Capacitive kvarh			•	•
Inductive kvarh			•	•
Total kvarh			•	•
Import kVah				•
Current Demand	•	•	•	•
Voltage Demand	•	•	•	•
kW Demand			•	•
Peak Amps				•
Peak Phase Volts				•
Peak Current Demand	•	•	•	•
Peak Voltage Demand	•	•	•	•
Neutral Current				•

MOUSER STOCK NO.	Simpson Part No.	Description	Price Each
529-G1001110	G100-1-1-1-0	GIMA 100-120/208V Input	450.40
529-G1001310	G100-1-3-1-0	GIMA 100-277/480V Input	450.40
529-G2001110	G200-1-1-1-0	GIMA 200-120/208V Input	502.40
529-G2001210	G200-1-2-1-0	GIMA 200-120/240V Input	502.40
529-G2001310	G200-1-3-1-0	GIMA 200-277/480V Input	502.40
529-G2001410	G200-1-4-1-0	GIMA 200-63/110V Input	502.40
529-G3001110	G300-1-1-1-0	GIMA 300-120/208V Input	554.40
529-G3001310	G300-1-3-1-0	GIMA 300-277/480V Input	554.40
529-G4001110	G400-1-1-1-0	GIMA 400-120/208V Input	629.20
529-G4001310	G400-1-3-1-0	GIMA 400-277/480V Input	629.20
Current Transformers			
529-37026	37026	50:5 Three-Phase	86.20
529-37027	37027	100:5 Three-Phase	86.20
529-37028	37028	150:5 Three-Phase	86.20
529-37029	37029	200:5 Three-Phase	86.20
529-37030	37030	300:5 Three-Phase	86.20
Option Modules			
529-46240	46240	Standard Modbus	208.00
529-46241	46241	All Value Modbus	286.00
529-47130	47130	Analog Output	306.10

HAWK 3 SERIES CONTROLLER

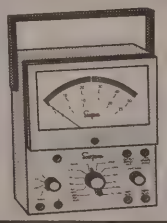


Features:
- 1/8 DIN and 3.24" depth behind panel.
- 7 segment, bright red 3-1/2 or 4-1/2 display.
- 120 VAC power, optional 9-36 VDC power
- All Parameters set from front panel
- Screw terminal connectors fir easy installation
- Peak/Valley and password lockout
- Optional plug-in output and excitation cards
- Optional plug-in of 1, 2, or 4, 5 Amp relay cards
- Other available ranges and configurations available.
- For more information call Mouser

MOUSER STOCK NO.	Simpson Part No.	Input	Description	Price Each
529-H335111020	H335111020	200 mVDC input, 2 relays	3-1/2 Digit	228.10
529-H335113020	H335113020	20 VDC input , 2 relays	3-1/2 Digit	228.10
529-H335134020	H335134020	200 VAC input, 2 relays	3-1/2 Digit	266.20
529-H335146020	H335146020	5 AAC input, 2 relays	3-1/2 Digit	266.20
529-H335171020	H335171020	4-20 mADC input, 2 relays	3-1/2 Digit	228.10
529-H345271140	H345271140	4-20mADC input, 4-20mA output, 4 relays	4-1/2 Digit	402.73
529-H345271640	H345271640	4-20mADC input, RS-485 output, 4 relays	4-1/2 Digit	462.47
529-H345246141	H345246141	5AAC input, 4-20mA output, 4 relays, 12 VDC excitation	4-1/2 Digit	478.95

260 SERIES ANALOG METERS AND ACCESSORIES

Features:
- Accuracy and rugged construction guarantee superior lab and field performance
- More than 20 measuring ranges for DC volts, AC volts, DC current, Resistance, dB, and AC current to 250A with Model 150-2 Amp Clamp accessory.
- Large color-coded dial with mirrored scale.
- Excellent for monitoring fluctuating trends and rates.
- Includes test leads and batteries.



MOUSER STOCK NO.	Simpson Part No.	Description	Price Each
529-12388	12388	260-8 General Purpose	208.80
529-12391	12391	260-8P Relay Protected	278.30
529-12389	12389	260-8RT Roll-Top Case	250.50
529-12392	12392	260-8PRT Relay Protected with Roll-Top Case	319.20
529-12395	12395	260-8Xi Yellow Case	225.50
529-12396	12396	260-8XPi Yellow Case Relay Protected	295.00
Carrying Cases for 260-Series			
529-00832	00832	Yellow Padded Nylon	56.20
529-00834	00834	Black Padded Nylon	53.50
529-00248	00248	Roll-Top Case	58.60
529-00805	00805	Hard Leatherette, Front Load Case	70.40
529-45028	45028	Molded Plastic Case	75.70
Test Leads			
529-00043	00043	Reverse Banana (260-8, 8P, 8RT, 8PRT)	17.90
529-00125	00125	Standard Banana (260-8Xi, 260-8XPi)	17.90
529-00545	00545	150-2 Amp Clamp (260-8, 8P, 8RT, 8PRT)	110.20
529-00541	00541	150-2 Amp Clamp (260-8xi, 260-8XPi)	110.20

501 & 505 INSULATION TESTERS AND ACCESSORIES

501 Insulation Tester

Features:
- Five test voltages, 50, 100, 250, 500, and 1000 VDC
- Voltage measurements to 2000V AC/DC
- Battery powered with test and charge indicator
- Test probe signal lamp illuminates work area and indicates pass/fail insulation resistance.
- Includes built-in test probes, and alligator clip, and leatherette carrying case and batteries.

505 Insulation Tester

Features:
- Eight test voltages, 100, 250, 500, 1000, 1500, 2000, 2500, and 5000 VDC.
- Voltage measurements to 200V AC/DC
- Direct resistance reading to 1 T Ohm.
- Battery powered with battery test and charge indicator
- Includes padded carrying case with permanently connected cables and test probes, 2 alligator clips, and a plug-in battery module with batteries.

MOUSER STOCK NO.	Simpson Part No.	Description	Price Each
501			
529-12501	12501	Model 501, 1000 Volt Insulation Tester	812.70
505			
529-12505	12505	Model 505, 5000 Volt Insulation Tester	2226.00
529-45065	45065	505 Guard Cable with Alligator Clip	115.30
529-45066	45066	505 Replacement Alligator Clips (pair)	45.40

160 HANDI-VOM AND ACCESSORIES

Features:
- Eight DC test voltages: 250mV, 1V, 2.5V, 10V, 50V, 250, 500, 1000VDC
- Voltage measurements: 2.5V, 10V, 50V, 250V, 500V, 1000VAC
- Resistance range: 0-30mΩ
- Battery powered
- Includes test leads w/ probe tip
- Weight: 12oz.
- Made of high impact plastic

MOUSER STOCK NO.	Simpson Part No.	Description	Price Each
529-12271	12271	160, Compact	215.70
Accessories			
529-02055	02055	Test Leads with Probe Tip	19.60
529-01927	01927	Test Leads with Alligator Tips	19.60

228 LEAKAGE CURRENT TESTER AND ACCESSORIES

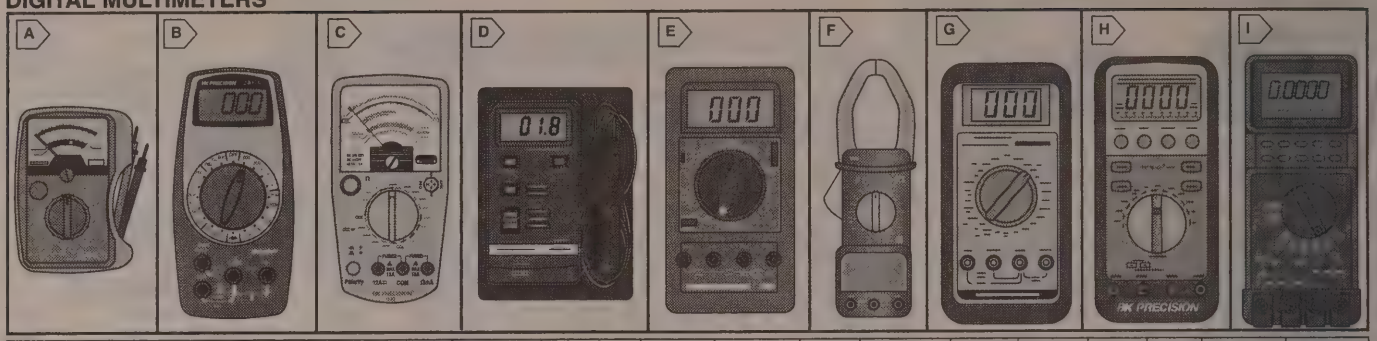
Features:
- True RMS readings
- Reads in Measurement Indication Units (MIU) up to 0.005 MIU
- Output allows measurement of peak current in non-sinusoidal wave forms
- Let-Go, reaction, and burn hazard response networks
- Detects dangerous AC & DC leakage currents
- Includes test leads, alligator clips, batteries, and manual

MOUSER STOCK NO.	Simpson Part No.	Description	Price Each
529-40027	40027	228 Leakage Current Tester	584.10
Accessories			
529-00125	00125	Test Leads with Screw-On Alligator Clips	17.90
529-00834	00834	Case, Black Padded Nylon Carrying	53.50

B&K PRECISION Multimeters

BK PRECISION

DIGITAL MULTIMETERS



MOUSER STOCK NO.	BK Precision Part No.	Fig.	DCV Accuracy	Ranging	Display LCD	Analog Bar Graph	Data Hold	Memory	Cap	Frequency	Logic	Tran Gain	Temp.	Auto Off	Warranty	Price Each
615-117B	117B	A	5	Manual	Analog	No	No	No	No	No	No	No	No	No	1 Year	19.95
615-2405A	2405A	B	2	Manual	2000	No	No	No	No	No	Yes	No	No	No	1 Year	27.00
615-2700	2700	D	1.3	Auto	3200	Yes	Yes	No	No	No	No	No	No	Yes	1 Year	35.00
615-114B	114B	C	3	Manual	Analog	No	No	No	No	No	No	Yes	No	No	1 Year	39.00
615-2703B	2703B	E	0.5	Manual	3 1/2	No	No	No	No	No	No	No	No	No	1 Year	39.00
615-2408	2408	B	1.2	Manual	2000	No	Yes	No	No	No	Yes	No	No	No	1 Year	45.00
615-2407A	2407A	B	1.2	Auto	3200	Yes	Yes	No	No	No	Yes	No	No	Yes	1 Year	55.00
615-2704B	2704B	E	0.5	Manual	3 1/2	No	No	No	Yes	No	No	Yes	No	No	1 Year	59.00
615-2706A	2706A	E	0.5	Manual	3 1/2	No	No	No	Yes	No	No	Yes	Yes	No	1 Year	79.00
615-2707A	2707A	E	0.5	Manual	3 1/2	No	No	No	Yes	Yes	Yes	Yes	No	No	1 Year	89.00
615-330B	330B	F	1	Manual	3 1/2	No	No	No	No	No	No	No	No	Yes	1 Year	95.00
615-350B	350B	F	1	Manual	3 1/2	Yes	Yes	No	No	Yes	No	No	No	Yes	1 Year	155.00
615-369B	369B	F	1	Auto	3 1/2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	1 Year	205.00
615-2860A	2860A	G	0.5	Manual	3 1/2	No	No	No	No	No	No	No	No	Yes	5 Years	99.00
615-388B	388B	H	0.5	Manual	4000	No	No	No	Yes	Yes	Yes	Yes	No	Yes	3 Years	127.00
615-389A	389A	H	0.25	Auto	4000	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	3 Years	145.00
615-390A	390A	H	0.1	Auto	4000	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	3 Years	167.00
615-391A	391A	H	0.05	Manual	4 1/2	No	Yes	No	No	Yes	Yes	No	No	Yes	3 Years	187.00
615-5390	5390	I	0.025	Auto	4 1/2	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	3 Years	325.00

BK PRECISION DMM ACCESSORIES

MOUSER STOCK NO.	BK Precision Part No.	Description	Price Each
615-TL-130A	TL-130A	General Purpose DMM Kit Includes soft, flexible silicone lead wire easy movement and Tri-Fold Velcro Pouch for convenient storage.	39.00
615-TL-50	TL-50	Maxi-Pro DMM Kit is voltage and current rated for either electronic or electrical applications. All components compliant to IEC61010-031	65.00
615-1943991	194-039-9-001	Fuse for DMM 2703-2707	5.34
615-1944191	194-041-9-001	Fuse for DMM 2860	5.20
615-1944391	194-043-9-001	Fuse for DMM 388-391	5.20
615-1944491	194-044-9-001	Fuse 2A for DMM's	5.20
615-1944591	194-045-9-001	Fuse 0.5A for DMM 389-391	2.67
615-2001	TL-1	Standard test leads Economical replacement test leads. TL-1 has safety shrouded banana plugs	8.00
615-2002	TL-2A	Deluxe test lead set, IEC61010 1000V CATIII Rating Silicone Lead Wire length 60" Black Alligator Clip included Threaded tips fits TL-3	20.00
615-2003	TL-3	Probe Accessory kit Black and Red pairs Alligator clip, Red only Spring hook clips 4" Sharp extension tips No. 10 Spade lugs	16.00
615-2103	CP-3	DC/AC current clamp adapter Converts any DMM to a current clamp, measures current without disconnecting circuit under test to 400A DC/AC	86.00
615-2129B	LC-29B	DMM case, Light weight, durable Cordura nylon, protects your instruments, room to hold your test leads	17.00
615-2144	HV-44A	High-voltage probe/meter 0-40,000V	109.00

BK PRECISION BENCH MULTIMETERS

True RMS Multimeter

Features:

- True RMS for accurate interpretation of any waveform signal
- LED display for clear reading in darkest environment
- Great overload protection
- Tests 1200VDC and 1000VAC
- One Year Warranty

B&K Part Number 2831C

615-2831C $299.00

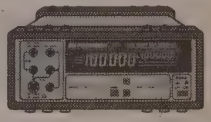
5 1/2 Digit Dual Display Bench DMM with 0.012% Basic Accuracy

Applications:

The Dual Display Multimeter model 5492 is a 5 1/2 digit multimeters with selectable count resolutions up to 120,000 count. It is designed for bench-top, field service, and system applications with a high performance to price ratio. One set of TL 36 Test Leads and AC 01 caps for TL 36 are included with each 5492.

Features:

- Selectable count resolutions of 120,000, 40,000 and 4,000 count
- Selectable 2 wire and 4 wire resistance measurements
- Measure frequency to 1MHz with 0.01Hz best resolution
- RS-232 interface



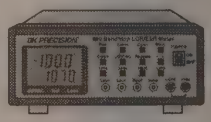
B&K Part Number 5492

615-5492 $695.00

Bench LCR/ESR Meter with Component Tester

Applications:

The B&K Precision Model 889 Synthesized In-Circuit LCR/ESR Meter is a high accuracy test instrument used for measuring inductors, capacitors and resistors with a basic accuracy of 0.2%. Also, with the built-in functions of DC/AC Voltage measurements and Diode/Audible Continuity checks, the Model 889 can not only help engineers and students to understand the characteristic of electronics components but also being an essential tool on any service bench.



B&K Part Number 889

615-889 $1,395.00

BK PRECISION AC VOLTAGE DETECTOR LED POCKET FLASHLIGHT

Features:

- Water Resistant
- AC Voltage Detector
- Long Battery Life
- Uses Standard Alkaline AAA Battery
- Detects AC Voltage from 40VAC to 300VAC
- Ultra-Bright White LED
- No Lithium Battery
- 100,000hr Bulb

615-SENSELITE $19.95

BK PRECISION BATTERY CAPACITY ANALYZER

Applications:

The need for battery maintenance tools is growing for use in Automotive, Field Service and Maintenance, Telecommunications, and UPS Manufacturing/Maintenance applications. The model 600 is the perfect instrument for anyone working with UPS systems, Emergency back-up Flood Lights, Home and Business Security Alarm Systems, or for any applications using a 12 volt lead acid battery.

Specifications:

- Measures both No Load Voltage and Battery Capacity
- Displays storage capacity of 12V lead acid batteries as a percentage
- Great for testing back up batteries for UPS, security, emergency flood light systems
- Ideal for automotive, UPS maintenance, and telecommunication applications
- Powered by battery under test
- One year warranty

B&K Part Number 600

615-600 $299.00

MODEL 262 TONE GENERATOR AND CABLE TRACER KIT

The model 262 is a kit that combines the B+K Precision model 260 Tone Generator and model 261 Cable Tracer.

Features:

Tone Generator model 260:
- Generates Warbled Tone with selectable test frequencies
- LED indicates continuity when in CONTINUITY mode
- LED indicates positive polarity when in POLARITY mode
- Provides talk current on a dead line
- Check line Polarity

Cable Tracer model 261:
- Hi-gain, Hi-impedance amplifier
- Capable of identifying tones up to 12 inches away (under ideal conditions)
- Rugged, moisture resistant, Mylar cone speaker
- One year warranty

B&K Part Number 262

615-262	$69.00

NETWORK CABLE ANALYZER PROBE

Features:
- When used with Model 240's tone generator function, Model 240P Probe can trace cables and locate faults
- Works with any tone generator on the market
- Special inductive plastic tip prevents accidental shorts
- Traces and identifies wires and cable in a bundle or group without damaging the insulation
- Adjustable volume level for various work environments
- One year warranty

B&K Part Number 240P

615-240P	$59.00

REMOTE NETWORK CABLE ANALYZER

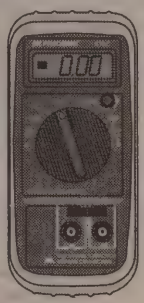
Features:
- Tests twisted pair cables for open circuits, shorts, crossed pairs, reversed pairs, and split pairs
- Tests cables up to 450 Ft. in length
- Tone generator for tracing installed cables and locating faults
- Special designed remote unit that enables one-person testing
- Remote unit fits into master unit for convenient and safe storage
- Automatic sleep mode
- One year warranty

B&K Part Number 240A

615-240A	$125.00

CAPACITANCE METER

The Model 810C Capacitance Meter is a compact capacitance meter, designed for accurate measurement of capacitive components. It features direct plug-in test sockets and test lead jacks. A zero adjustment knob is also provided to "zero" test lead capacitance.



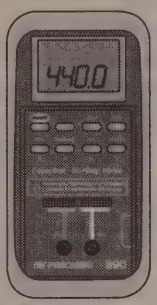
Features:
- Zero adjustment knob
- Capacitor test sockets
- Fuse protected
- Protective rubber boot
- One year warranty

B&K Part Number 810C

615-810C	$79.00

CAPACITANCE METER

Features:
- 10 automatically selected ranges with full scale value from 0.1pF to 50mF
- Dual display simultaneously displays value and deviation from selected tolerance
- Sort on preset tolerance of 1, 5, 10%
- Program unique values to sort for specific circuit applications
- One year warranty

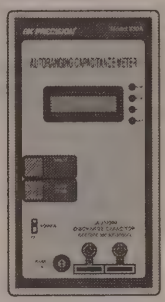


B&K Part Number 890

615-890	$129.00

AUTO RANGING CAPACITANCE METER

Features:
- 3 1/2 digit LCD display
- Measures capacitance to 199.9 mF
- 2 ranges from 199.9 pF to 199.9 mF
- One year warranty



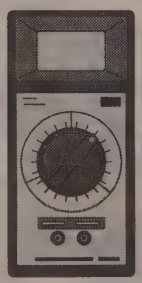
B&K Part Number 830A

615-830A	$299.00

LCR METER

Features:
- Measures capacitance, resistance, and inductance
- Measures dissipation factor of capacitor and 1/Q of inductors
- 3 1/2 digit LCD display
- Three year warranty

Specifications:
- 200µH - 200H
- 200pF - 20mF
- 2-20MΩ
- 1% accuracy



B&K Part Number 875B

615-875B	$189.00

DUAL-DISPLAY HAND-HELD LCR BRIDGE WITH STATISTICAL FUNCTIONS

Features:
- Measures capacitance, resistance, and inductance
- Measures dissipation factor of capacitors and Q of inductors
- Simultaneously displays measured value and Q or dissipation factor
- Tolerance mode "beeps" to indicate measured components outside a 1%, 5%, or 10% tolerance around a reference value
- Two selectable test frequencies (120Hz, 1kHz)
- Auto or manual ranging
- One year warranty

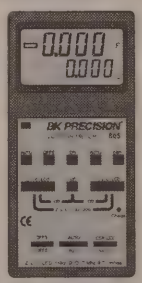
B&K Part Number 878A

615-878	$245.00

SYNTHESIZED IN-CIRCUIT LCR/ESR METER

The 885 in-circuit LCR/ESR meter is the first handheld meter of this kind on the market. It was designed for both component evaluation on the production line and fundamental impedance for bench-top applications.

Features:
- Measurement parameters: Z., L , C, DCR, ESR, D, Q, and Ø
- Test conditions: 100 Hz, 120 Hz, 1 Khz, 10 Khz, 1 Vrms, 0.5 Vrms, 0.05 Vrms
- Dual LCD Display, SMD surface mount tweezer probe included, includes manual, SMD probe, 2 AA Ni-Mh batteries, AC adapter, shorting bar and software
- Two year warranty



B&K Part Number 885

615-885	$549.00

HAND-HELD COMPONENT TESTER

Capacitance meter (0.1 pF to 20 mF) and ohm ,meter (0.1 ohm to 20M ohm) also tests: transistors, beta, diodes, SCR's, LED's and batteries.

Features:
- Large 0.8" digit, high contrast LCD readout
- 25 user ranges for versatile test selection
- Tests resistance from 0.1Ω through 20MΩ
- Tests transistors, SCRs, diodes, and LEDs
- Tests batteries under actual loaded conditions
- 5 foot drop-proof, heavy duty case
- Tilt stand for benchtop use
- Weight: 11.6 oz. (326g)
- One year warranty
- Supplied: test lead; spare fuse; AC power adapter

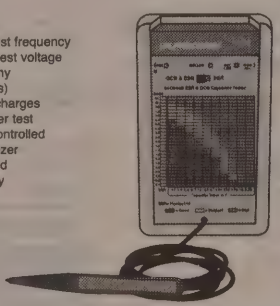
B&K Part Number 815

615-815	$99.00

IN-CIRCUIT DCR & ESR TESTER

The **in-circuit** ESR & DCR capacitor tester is specially designed to measure ESR (equivalent Series Resistance) on capacitors in the range of 0.47uF to 2200uF, in or out of circuit. The ability to trouble shoot in-circuit saves time and makes the 881 a must for anyone that test or trouble shoots printed circuit boards.

Features:
- 100KHz Output test frequency
- 15mVp-p Output test voltage (will not turn on any solid-state devices)
- Automatically discharges the capacitor under test
- Microprocessor controlled
- One-handed tweezer test probe included
- One year warranty



B&K Part Number 881

615-881	$199.00

SYNTHESIZED IN-CIRCUIT LCR/ESR METER W/100KHZ TEST FREQUENCY

The Model 886 Synthesized In Circuit LCR/ESR Meter is the first handheld meter of this type on the market, with a wide range of test frequencies up to 100kHz and many measurement parameters including Z, L, C, DCR, ESR, D, Q, and Ø. The 886 is designed for both component evaluation on the production line and fundamental impedance testing for bench top applications. With a built in direct test fixture, you can test the lead components very easily. The optional 4 wire test clip can give a convenient connection to larger components and assemblies with the accuracy of 4 wire testing. The LCR meters offer fast, reliable, and versatile testing at low cost, making the 886 the most advanced handheld LCR meters available today.

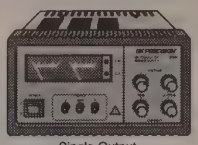
Features:
- Measurement parameters: Z, L, C, DCR, ESR, D, Q, and O
- Test conditions: 100Hz, 1kHz, 10kHz, 100kHz, 1 Vrms, 0.25rms, 0.05Vrms
- 0.5% basic accuracy
- Dual LCD display
- SMD surface mount tweezer probe included
- Very quick response, user friendly
- Fully auto/manual selection
- DC resistance measurement
- Rechargeable battery/AC powered
- Infrared RS232 interface capability
- Two year warranty

B&K Part Number 886

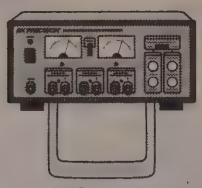
615-886	$769.00

B&K PRECISION Power Supplies

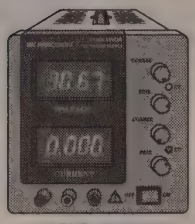
DC POWER SUPPLIES



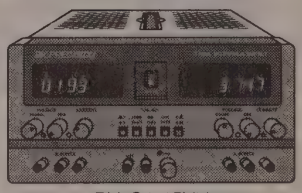
Single Output
615-1620A



Triple Output Analog
615-1651A



LED Readout
615-1735A



Triple Output Digital
615-1760A

B&K-PRECISION power supplies provide the versatility and reliability required for a broad spectrum of laboratory and service applications. They are ideal for use in engineering, industrial service shop, lab, and school applications. Each power supply is built for continued stability and accuracy over a wide range of operating conditions.

BK PRECISION SINGLE OUTPUT DC POWER SUPPLIES

Model 1620A

Features:

- Output voltage: 0-18V
- Output current: 0-5A
- Constant voltage/constant current operation
- Continuously monitor voltage and current output on two meters
- One year warranty

B&K Part Number 1620A

615-1621A	Digital Display	$225.00

Model 1626A and 1627A

Features:

- Output voltage: 0-30V
- Output current: 0-3A
- Constant voltage/constant current operation
- Fully overload protected
- One year warranty

B&K Part Number 1626A & 1627A

615-1626A	Analog display	$220.00
615-1627A	Digital display	$239.00

Model 1710A and 1711A

Features:

- Output voltage: 0-30V
- Output current: 0-1A
- Constant voltage/constant current operation
- Analog display
- Two year warranty

B&K Part Number 1710A & 1711A

615-1710A	0-30V, 0-1A	$239.00
615-1711A	0-60V, 0-2A	$320.00

Model 1730A and 1735A

Features:

- Output voltage: 0-30V
- Output current: 0-3A
- Constant voltage/constant current operation
- Operate continuously at full load w/o overheating
- Two year warranty
- Coarse and Fine Voltage Controls

B&K Part Number 1730A & 1735A

615-1730A	Analog display	$325.00
615-1735A	Digital display	$389.00

Model 1740A

Features:

- Output voltage: 0-60V
- Output current: 0-4A
- Constant voltage/constant current operation
- Operate continuously at full load w/o overheating
- Two year warranty

B&K Part Number 1740A

615-1740A	Analog display	$525.00

Model 1743A

Features:

- Output voltage: 0-35V
- Output current: 0-6A
- Constant voltage/constant current operation
- 3-digit LED
- Operate continuously at full load w/o overheating
- Two year warranty

B&K Part Number 1743A

615-1743A	Digital display	$525.00

BK PRECISION TRIPLE OUTPUT DC POWER SUPPLIES

Model 1760A

Features:

- Two 0-30VDC, 2A sections capable of independent, series or parallel operation
- One 4-6.5VDC, 5A section
- Switchable series/parallel operation 30V sections
- Adjustable current limit controls 30V sections
- Two 3 digit LED displays: one reads volts or amps of "B" supply one reads volts or amps of "A" supply or 4V-6.5V supply
- Unique variable tracking, B track A at 5% to 100%
- Two year warranty

B&K Part Number 1760A

615-1760A	$650.00

BK PRECISION COMPACT TRIPLE OUTPUT

Model 1651A and 1652

Features:

- Two 0-24VDC outputs (0.5A)
- One fixed 5V output (4A)
- Independent or tracking operation
- Adjustable current limiting
- Designed to operate continuously at rated output
- Overload protection: short circuit, overvoltage, and reverse polarity
- Connect outputs in series for higher voltage output or in parallel for higher current output (switch selectable)
- One year warranty

B&K Part Number 1651A & 1652

615-1651A	Analog display	$435.00
615-1652	Digital display	$450.00

BK PRECISION TRIPLE OUTPUT

Model 1670A

Features:

- Output voltage: 0-30V @ 3A; 12V and 5V @ 0.5A Fixed
- Two Digital LCD Displays
- Overload protection
- One year warranty

B&K Part Number 1670A

615-1670A	$189.00

BK PRECISION HIGH CURRENT

Model 1686A

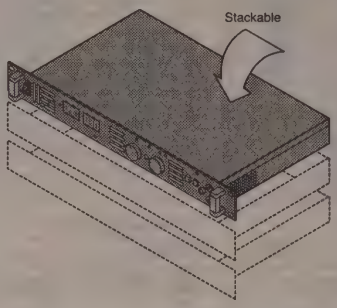
Features:

- 3-14VDC output
- 12A guaranteed, 12A typical @ 13.8V
- Overload protection: short circuit, overvoltage, and reverse polarity
- Thermostatically controlled cooling fan
- Thermal protection
- Operates continuously at full load without overheating
- Connect two in parallel for more current
- Connect two in series for higher voltage
- One year warranty

B&K Part Number 1686A

615-1686A	$199.00

BK PRECISION HIGH POWER SWITCHING DC POWER SUPPLIES



The VSP Power Supply series utilizes modern switch mode technology to produce high-power, low-noise switching supplies that cost around twenty five percent less than linear supplies with the same power.

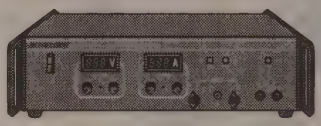
Features:

- Provides 1.2 kilowatts at 20V, 40V, 60V and 120V output voltages (output voltages vary between different models)
- Compact 1U (1.75 in by 19 inch rack mountable chassis) is just at home on a bench as it is in a Rack
- Up to nine units can be cascaded, producing more than 10 kilowatts of DC power
- Front-to-back air flow allows full power operation without space between supplies
- Output on/off switch on front of unit
- RS 232 interface
- Specification also apply to corresponding GPIB model (Add GPIB to the model number for a GPIB interface instead of a RS232 interface. Example: 615-VSP6020GPIB)

B&K Part Number VSP6020, VSP2050, VSP4030, VSP12010

615-VSP6020	0-60V, 0-20A	$1,725.00
615-VSP2050	0-20V, 0-50A	$1,725.00
615-VSP4030	0-40V, 0-30A	$1,725.00
615-VSP12010	0-120V, 0-10A	$1,725.00

BK PRECISION HIGH CURRENT DC POWER SUPPLIES



Models 1790/1791 are a cost effective, high power, regulated DC power supply with 640 Watt output (0 to 32V, 0 to 20A). It is a linear high current DC power supply suitable for bench operation or standard 19" rack operation. This linear power supply is a high power workhorse that will easily deliver clean power to your high current circuits.

Model 1790 and 1791

Features:

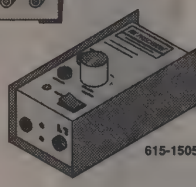
- Constant voltage/constant current operation
- Remote programming facility
- Facility for presetting the output voltage and max.
- Load current limits
- Separate DC output ON/OFF switch
- Remote sensing facility
- High stability and close regulation ±0.01%
- Meet CE specifications

B&K Part Number 1790 & 1791

615-1790	0-32V, 0-20A	$1,300.00
615-1791	0-64V, 0-10A	$1,350.00

BK PRECISION SCHOOL POWER SUPPLIES

615-1504



615-1505

Applications:

- Education – Used in technical school demonstrate electrical theory
- Design – Used in circuit design to power up circuits.
- Service – Used to power up circuit boards under rep
- Maintenance – Used to verify operations for set-up or repair equipment.
- Manufacturing – Used as part of the manufacturing process to verify operation parameters of design equipment.
- Quality control – Used for final testing equipment.

Model 1501-Dual Voltage High Current Battery Eliminator

Features:

- Output voltage: 1.8V-3.0V , 3.5V-4.5V @ 3A
- One year warranty

B&K Part Number 1501

615-1501	$105.00

Model 1504-Heavy Duty Battery Eliminator

Features:

- Output voltage: 0-12V , 12VAC @ 400mA, 500mA
- One year warranty

B&K Part Number 1504

615-1504	$114.00

Model 1520-Universal Power Supply

Features:

- Output voltage: 0-5V @ 3A , 8V+-@ 250mA, 125V+-@ 10mA, 6.3VAC @ 3A (AC)
- One year warranty

B&K Part Number 1520

615-1520	$235.00

Model 1502-Compact 12VAC/DC Power Supply

Features:

- Output voltage: 0-12V, 12V @ 500mA
- One year warranty

B&K Part Number 1502

615-1502	$166.00

Model 1505-20V DC Regulated Power Supply

Features:

- Output voltage: 0-20V, @ 500mA
- One year warranty

B&K Part Number 1505

615-1505	$164.00

Model 1503-12V AC/DC Power Supp

Features:

- Output voltage: 0-12V, @ 5A
- Dual analog display • One year warranty

B&K Part Number 1503

615-1503	$255.00

Model 1511-Discharge Tube Power Supply

Features:

- Output voltage: 0-20V @ 5A , 0-80V @ 10A, 0-500V @ 10A
- Digital display • One year warranty

B&K Part Number 1511

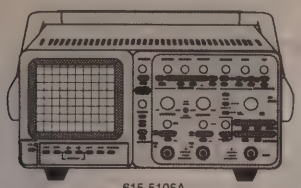
615-1511	$830.00

ACCESSORIES

MOUSER STOCK NO.	BK Precision Part No.	Description	Price Each
Power Supply Leads			
615-TL-5A	TL-5A	5 Amp Hook-up Leads	9.00
615-TL-30	TL-30	30 Amp Hook-up Leads	12.50

B&K PRECISION Test Equipment

DIGITAL STORAGE OSCILLOSCOPES



615-5105A

150MHz Digital Oscilloscope

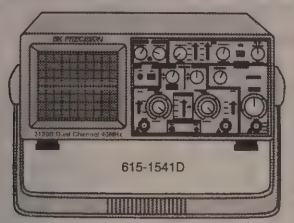
Specifications:

- 150MHz bandwidth
- 200Ms/s sampling rate
- 2 channels
- Autoset
- Cursors and readouts
- RS-232 interface standard
- 6x10cm display
- Dual time base
- Pre-trigger
- IEC 1010 class 1 safety compliance
- Two year warranty

B&K Part Number 5105A

615-5105A	$2295.00

B&K PRECISION ANALOG OSCILLOSCOPES



615-1541D

30MHz Dual-Trace

Specifications:

- 1 mV/div sensitivity X5 mag
- Dual or single trace operation
- Calibrated 19 step time base with x10 magnifier
- Compact low-profile design
- AUTO/NORM triggered sweep operation with AC, TVH, TVV, and line coupling
- Two year warranty

B&K Part Number 2120B

615-2120B	$549.00

30MHz Analog Oscilloscope

Specifications:

- Delayed sweep in 23 steps
- 1 mV/div sensitivity X5 mag
- Dual or single trace operation
- Calibrated 19 step time base with x10 magnifier
- Compact low-profile design
- AUTO/NORM triggered sweep operation with AC, TVH, TVV, and line coupling
- Two year warranty

B&K Part Number 5105A

615-2125A	$646.00

40MHz Dual-Channel

Specifications:

- 1 mV/div sensitivity X5 mag
- 19 calibrated sweeps
- Video sync separators
- X10 sweep mag
- Three year warranty

B&K Part Number 1541D

615-1541D	$799.00

60MHz Dual-Trace

Specifications:

- 1 mV/div sensitivity X5 mag
- Sweep to 5ns/div
- 23 calibrated ranges - main time base
- 19 calibrated ranges - delayed time base
- Signal delay line
- Component tester
- V mode-displays two signals unrelated in frequency
- Z axis input
- Single sweep
- Beam finder
- UNCAL indicators
- Three year warranty

B&K Part Number 2160A

615-2160A	$1099.00

100MHz Dual-Trace Dual Time Base

Specifications:

- 1mV/division sensitivity X5 mag
- Sweeps to 5ns/division
- 22 calibrated ranges, main time base
- Signal delay line
- 19 calibrated ranges on delayed time base
- Channel 1 output
- 15kV accelerating voltage
- Three year warranty

B&K Part Number 2190B

615-2190B	$1599.00

OSCILLOSCOPE ACCESSORIES

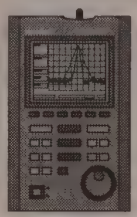
MOUSER STOCK NO.	BK Part No.	Description	Price Each
615-23701	PR-37AG	Probe gray	46.00
615-23702	PR-37AR	Probe red	46.00
615-PR-50	PR-50	3 Piece probe kit: probes x1, x100, and x1/x10 switchable. With sprung hook, replacement tip, ground lead and BNC adapter	106.00

B&K PRECISION HANDHELD 3.3GHZ SPECTRUM ANALYZER

The 2650 is a compact, lightweight and inexpensive unit that is ideal for testing W-CDMA, CDMA, GSM, PDC, PHS, Wireless LAN and Bluetooth systems. There are many accessories available for the 2650 and some of them may be necessary for your application, so please view the available accessories before ordering. Included accessories are BC 2650, LC 2650, BP 2650, accessory pouch, fuse and instruction manual.

Features:

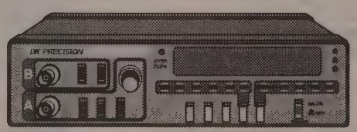
- Channel power measurement
- Adjacent channel power measurement
- Occupied bandwidth measurement
- Electric field strength measurement (with optional dipole antennas)
- Magnetic field strength measurement (with optional PR 26M)
- Min/Max hold
- Average and over write mode
- Marker measurement
- Switchable 50 or 75 ohm input impedance
- Peak search • Auto tuning
- Auto range • Save/Load
- Hard copy of display (with optional PT 2650)

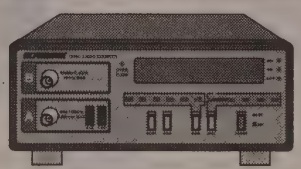


B&K Part Number 2650

615-2650	$4,495.00

B&K PRECISION COUNTERS





175 MHz Universal Counter

The model 1823 provides versatility and reliability for a broad spectrum of laboratory and service applications.

Specifications:

- Measures up to 175MHz
- Eight-digit display provides up to 0.1 Hz resolution
- Period mode combines two input frequencies and displays their ratio
- Totalize mode and Time interval mode add versatility
- Selectable attenuators and low-pass filter prevent miscounts due to input point
- One year warranty
- Supplied: instruction manual

B&K Part Number 1823

615-1823	$399.00

3.5GHz Frequency Counter (Frequency, Period, Totalize)

The model 1856D provides versatility and reliability for a broad spectrum of laboratory and service applications.

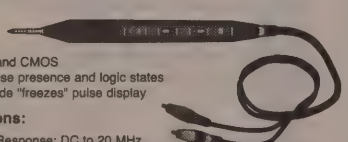
Specifications:

- RS232 Interface
- Wide measuring range up to 3.5GHz
- Bright nine digit LED display
- Period mode for accurate low frequency measurement
- Totalize mode permits counting of individual events
- Accurate TCXO time base
- One Year Warranty
- Supplied: Instruction Manual

B&K Part Number 1856D

615-1856D	$499.00

B&K PRECISION 20 MHZ LOGIC PROBE DP-21



Features:

- Tests TTL, and CMOS
- Displays pulse presence and logic states
- Memory mode "freezes" pulse display

Specifications:

- Frequency Response: DC to 20 MHz
- Minimum detectable pulse width: 30nS
- Power supply protection: +20V
- Operating supply voltage: 4 to 18V
- Storage temperature: -4 0 to 149 0 F (-20 0 to 65 0 C)
- Operating temperature: 32 0to 122 0 F (0-50 0 C)
- One Year Warranty

B&K Part Number DP-21

615-2100	$34.00

B&K PRECISION SIGNAL GENERATORS

Hand Held Battery Operated 10MHz Sine & Square Wave Generator

Features:

- 0.1 Hz to 9.9999999 MHz Sine/Square Wave Signal Generator
- Simultaneous Sine and Square wave generation
- 0.1 Hz Frequency Selectability
- 0.02% Signal Accuracy
- Sine Wave Output – 0 to 4.5Vp-p (no load)
- Square Wave Output – 5Vp-p (no load)
- 50 Ohm output impedance

B&K Part Number 3003

615-3003	$199.00

Handheld NTSC Generator

This handheld NTSC Pattern Generator is powered by a 9 volt battery or AC adapter providing NTSC color bars, crosshatch, dot, staircase, circle, center cross, windows, and a full range of color raster patterns. The outputs available are composite video via RCA connector, a RF output BNC connector, or an S Video mini-DIN output. Signals can be produced as an interlaced or progressive scanning mode.

Features:

- S Video, composite video, RF output
- Interlace or progressive scanning system
- 9VDC battery (included)
- AC adapter available
- One year warranty

B&K Part Number 1211E

615-1211E	$229.00

Handheld HDTV Pattern Generator

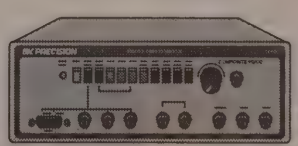
Features:

- Made in the U.S.A.
- Lightweight and portable
- Ideal for on-the-bench and in-the-field testing
- High-quality BNC to RCA interface cable included
- One year warranty

B&K Part Number 1253

615-1253	$795.00

NTSC Color Generator



The 1249B is ideal for comprehensive testing, servicing and adjustment of video and television equipment, television receivers, video tape recorders, video monitors, closed circuit television systems and components, and ts. master antenna systems and components.

Features:

- NTSC color bar pattern, ±5 and ±5 IEEE units
- CH 3, CH 4, and IF outputs crystal controlled
- Calibrated 1Vpp or variable composite video output
- RGB outputs on BNC or 9 pin D connector
- Composite sync, vertical sync, and horizontal sync outputs
- Interlaced or progressive scan 30 Hz signal is provided for isolation of servo problems in VCR's

B&K Part Number 1249B

615-1249B	$569.00

B&K PRECISION Test Equipment

FUNCTION GENERATORS

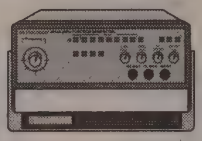
B&K Precision offers a full-range of function generators so you can choose the generator best suited for your own activity or applications. The line consists of a variety of high performance generators including function, sweep/function, RF, and audio. All are rugged lab-grade instruments capable of satisfying a variety of engineering, testing, and service situations. Each has been engineered for high-reliability and user operating convenience.

2MHz Function Generator

B&K Part Number 4010A

Features:

- 0.2Hz-2MHz in 7 ranges
- Sine, square, triangle, pulse, and ramp output
- Variable duty cycle
- Variable DC offset
- Variable amplitude output plus 20dB attenuator
- 20Vpp output into open circuit (10Vpp into 50 Ohms)
- Two year warranty



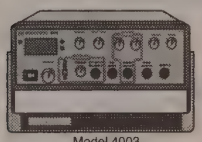
615-4010A	$250.00

3MHz Sweep Function Generators

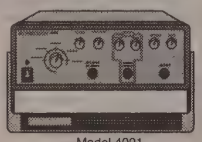
B&K Part Number 4001 & 4003

Features:

- TTL output <25nS (model 615-4003)
- TTL output <30nS (model 615-4001)
- Voltage control generator (VCG) input
- 100% DC offset
- 5 digit display (model 615-4003)
- Variable amplitude output plus 20dB attenuator
- One year warranty



Model 4003



Model 4001

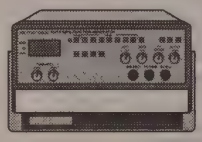
615-4001	3MHZ with Dial	$199.00
615-4003	3MHZ with 5 Digit Display	$250.00

5MHz Function Generator with Digital Display

B&K Part Number 4011A

Features:

- 0.5Hz-5MHz
- Sine, square, triangle, pulse, and ramp output
- Coarse and fine tuning
- 4 digit LED display
- Variable duty cycle
- Variable DC offset
- Two year warranty



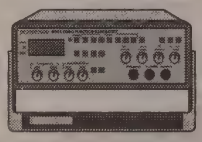
615-4011A	$315.00

10MHz Sweep/Function Generator

B&K Part Number 4017A

Features:

- 0.1HZ-10MHz
- Linear and log sweep
- 5 digit LED display
- Sine, square, triangle, pulse, & ramp output
- Coarse and fine tuning
- Variable duty cycle
- Variable DC offset
- Two year warranty



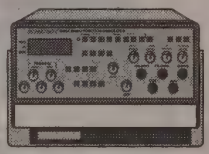
615-4017A	$399.00

20 MHz Sweep Function Generator with Frequency Counter

B&K Part Number 4040A

Features:

- 0.2Hz to 20MHz
- Sine, square, triangle, pulse, & ramp output
- Coarse and fine tuning
- AM & FM modulation
- Burst operation
- External frequency counter to 30MHz
- 5 digit LED display
- Linear and log sweep
- Variable duty cycle
- Variable DC offset
- Two year warranty



615-4040A	$599.00

Function Generator Accessories

B&K Part Number LC-40

615-LC-40	Function Generator Case	$84.00

ENVIRONMENTAL TESTERS

Digital Sound Level Meter

B&K Part Number 732

Specifications:

- Provides 30 ~ 130 dB capability in three measurement ranges
- Accuracy: ±1.5 dB (ref 94 dB @ 1 KHz)
- Dynamic Range: 50 dB
- Frequency Range: 31.5Hz to 8kHz
- 4 digit LCD, resolution 0.1 dB update cycle 0.5 s

615-732	$229.00

Compact Digital Lightmeter

B&K Part Number 615

Specifications:

- Measurement range: 20lux to 20klux, 20fc to 20kfc
- Resolution: 0.01 lux, 0.01 fc
- Accuracy: +(3%rdg + 10dgts)
- Peak hold
- Display hold

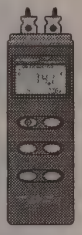
615-615	$99.00

Temperature Meter

B&K Part Number 710

Specifications:

- Measurement range: -328° ~ 2,498° F (-200° ~ 1,370° C)
- Resolution: 0.1° F (0.1° C)
- Accuracy: ±0.2%rdg + 2° F (±0.2%rdg+1° C)
- Record (Datalogging): 16,000 points
- Triple display
- Max/Min
- Data hold
- °C / °F readings
- RS-232 output port



615-710	$109.00

Datalogging Temperature Meter

B&K Part Number 715

Specifications:

- Measurement range: -328° ~ 2,498° F (-200° ~ 1,370° C)
- Resolution: 0.1° F (0.1° C)
- Accuracy: ±0.2%rdg + 2° F (±0.2%rdg+1° C)
- Dual display
- T1, T2 & T1-T2 select
- Max/Min
- Data hold
- °C / °F readings
- RS-232 output port

615-715	$199.00

Compact Digital Infrared Thermometer

B&K Part Number 635

Specifications:

- Measurement range: Range -4° to 1,022° F (-20° to 550° C)
- Resolution: 1° C/F
- Accuracy: +2% of reading or +6° F (3° C) whichever is greater
- Laser pointer
- Reading hold
- Adjustable emissivity

615-635	$149.00

Compact Digital Thermo-Hygro Meter

B&K Part Number 625

Specifications:

- Measurement range temperature: -4° to 140° F (-20° to 60° C)
- Humidity: 0% to 100% RH
- Resolution-temperature: 0.1° F/C, Humidity: 0.1% RH
- Basic accuracy-temperature: +1° F/C, humidity: +2.5% RH
- Backlight
- Display hold
- Max. hold

615-625	$149.00

INSULATION TESTERS (MEGOHMETERS)

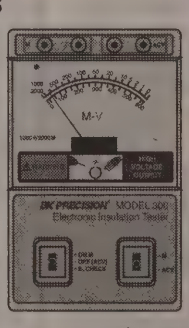
Features:

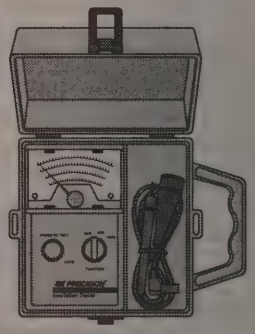
Models 300, 305:

- Test insulation resistance
- Measure AC voltage to 600V
- Battery powered
- 1000V, 2000MU (model 300)
- 500V, 1000MU (model 305)
- One year warranty

Models 307, 308:

- Selectable 250V, 500V, or 1000V insulation test
- Low resistance test
- Extra rugged integral carrying case
- Live circuit indicator warns of safety hazard
- Push to test
- One year warranty





MOUSER STOCK NO.	BK Precision Part No.	Type	Output Voltage	Max. Current	Resistance Hange	Center Scale	Price Each
615-300	300	Analog	1000VDC	250uA	1MU	50MU	135.00
615-305	305	Analog	500VDC	500uA	.2M-1000M	20MU	135.00
615-307	307	Analog	1000VDC	2mA	1000V 0-200M 500V 0-1000M 250V 0-50M		195.00
615-308	308	Digital	1000VDC	1.2mA	0-2000M	N/A	265.00

EXTECH INSTRUMENTS Test Equipment

EXTECH INSTRUMENTS

EXTECH MULTIMETERS

MiniTec™ Autoranging Digital MultiMeter

Features:

- 4000 counts on large LCD with full function indication
- Measures AC/DC Voltage and Current, Resistance, Capacitance, Frequency and Temperature
- Temperature measurements to 1400°F (760°C)
- Duty Cycle, Continuity and Diode test
- Autoranging with manual range override
- Relative zero, Data Hold and Range Hold
- 10A fuse protection
- Overload protection and indication
- Auto power off saves battery life
- Includes protective rubber holster, temperature probe, two 1.5V AAA batteries and test leads CAT II - 600V
- 1 Year Warranty

* FREE Temperature Probe! A $13.00 Value!

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—MN26T		Autoranging Digital MultiMeter W/ Temperature Probe	39.99
685—409992		Vinyl pouch carrying case	10.00

MultiMaster™

Features:

- 50,000/500,000 count, high accuracy, wide bandwidth True RMS multimeters
- 0.02% (MM570) and 0.03% (MM560) basic DCV accuracy
- 50,000 count display with 500,000 counts for DCV and Hz
- True RMS combination AC+DC function
- Highest resolution to 1μV, 0.01μA, 0.0001Hz, 0.01Ω
- MM570 with dual input Type K Thermometer,
- Higher True RMS ACV bandwidth (up to 100kHz) and 1000V input protection on all functions
- 4 to 20mA, displayed as 0-100% for process current measurements

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—MM560		0.03% Accuracy	229.00
685—MM570		0.02% Accuracy	299.00

400 Series Multimeters

Features:

- Low current capability-measure down to 0.1uA
- Audible and visible input alerts
- Easy to read 1 inch digits on backlit display
- Very High resolution 0.1mV, 0.1uA, 0.1Ohm, 1 C/F
- Rugged and drop proof to 6 feet
- True RMS (EX411 EX430, AND EX470)
- Complete with CAT 3 test leads, multi-position tilt stand and velcro strips for hanging, protective holster with test lead holder.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—EX410		Manual Ranging DMM	39.00
685—EX411		True RMS Manual Ranging DMM	59.00
685—EX430		True RMS Auto Ranging DMM	79.00
685—EX450		Auto Ranging DMM w/ IR Thermometer	99.00
685—EX470		True RMS Auto Ranging DMM w/ IR Thermometer	129.00

MultiLog Datalogger MultiMeter, 43,000 data points

Features:

- True RMS multimeter datalogs up to 43,000 data points at capture rates as fast as 20 times/second
- 0.08% basic DCV accuracy
- Store and View up to 43,000 data points
- 10 selectable datalogging sample rates from 0.05sec to 480 seconds
- True RMS Voltage and Current measurements
- Smart auto power off
- Hold and low resistance auto lead zero

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—ML720		True RMS dataloging	299.00

MANUAL RANGING MINI MULTIMETER

This meter measures AC/DC Voltage, DC Current, Resistance, Temperature, Battery Test, Diode Test and Continuity. One Year Warranty

Function	Maximum Input
VDC, VAC	600V DC/AC
Res, Diode, Continuity	500V DC/AC
mA DC	250mA DC
10A DC	10A DC
	(15sec. max every 15 min.)

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—MN35		Manual Ranging Mini MultiMeter	19.99

EXTECH MULTIMETERS ACCESSORIES

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—SW810		RS232 and Software for MultiMaster	79.00
685—381276		Automotive Pick-Up Adapter for MultiMaster	29.00
685—409996		Medium Carrying Case	15.00
685—409997		Large Carrying Case	19.00

EXTECH CLAMP METERS

Extech 700 Series 800A Clamp Meters

Features:

- Models with AC/DC Current, AC/DC Voltage, Resistance, Frequency, Capacitance, Temperature, Diode, and Continuity
- 1ms Fast Peak Hold captures inrush currents and Transients
- True RMS Models • Auto power off
- CAT III-600V
- Double molded housing for better grip and one-handed operation
- Large LCD display with bright backlighting
- Data Hold "freezes" data in display
- 1.2" (30mm) circular jaw opening for large cables (500MCM)
- Complete with test leads, 9V battery, and Type K bead wire probe (EX720, EX730) and Carrying Case

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—EX710		800A AC Clamp Meter	69.00
685—EX720		800A True RMS AC Clamp	99.00
685—EX730		800A True RMS AC/DC	129.00

Extech 800 Series 1000A Clamp Meters

Features:

- Autoranging with manual range override
- Data Hold, Min/Max, & Auto Power off
- Peak hold for inrush currents
- AC/DC Voltage, Resist., Cap., & Freq.
- Rugged double molded case
- Complete with test leads, 9V battery, Type K probe (-4 to 482°F/-20 to 250°C) for EX820/EX830, and belt holster

EX810 Features

- Average responding

EX820 Features

- True RMS
- Type K thermocouple measures to 1832F/1000C

EX830 Additional Features

- DC Current with Zero Function • True RMS
- Type K thermocouple measures to 1832F/1000C

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—EX810		1000A AC Clamp Meter	119.00
685—EX820		1000A True RMS AC Clamp	149.00
685—EX830		1000A True RMS AC/DC	179.00

High Resolution AC/DC Measurement

Features:

- High DC resolution of 1mA (380942) 10mA (380941)
- Model 380942 provides True RMS readings
- Both models also measure voltage
- Fast 40 segment bargraph
- One touch Auto Zero for DC current measurements Min/Max
- Data hold and Auto power off
- Complete with test leads, wrist strap, 2 AA batteries and carrying case

380942 Illustrated

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—380941		200A DC/AC Mini Clamp Meter	229.00
685—380942		30A DC/AC Mini Clamp Meter	359.00

400A True RMS AC/DC Mini Clamp Meter

Features:

- True RMS mini-clamp with high current resolution
- True RMS measurements with 1mA AC resolution
- Non-contact Frequency measurements to 100kHz through the clamp jaws
- Fast 40 segment bargraph
- One touch Auto Zero
- Min/Max
- Data hold and Auto power off

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—380947		400A True RMS AC/DC Mini	249.00

Mini Clamp-On DCA/ACA Adapters

Features:

- Plugs into any brand DMM with AC and DC mV input ranges for direct readings on multimeter display
- Non-contact current monitoring and wave form pick-up
- Measures DC Current when DMM in DC range and AC current when DMM in AC range
- Connect to an oscilloscope to observe current signal waveforms

380946 Illustrated

- 0.9" (23mm) clamp jaw opening
- One touch "Auto Zero" for DCA measurements eliminates need to turn a knob to zero adjust
- Complete with two 1.5V AA batteries, test leads and carrying case CAT II - 600V

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—380946		High Res. Mini Clamp Adapter	229.00

600A True RMS AC/DC Clamp-on Multimeter

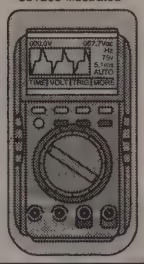
Features:

- True RMS current and voltage measurements
- Clamp-on AC/DC current readings up to 600A with 0.1A resolution
- Multimeter functions include AC/DC voltage, resistance, frequency and capacitance
- Peak hold, data hold, auto power off
- Complete with test leads, Type K temperature probe, 9V battery and storage case

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—38389		AC/DC True RMS Clamp-on Multi	99.00

100KHZ MINI MULTISCOPE™

381265 Illustrated



Compact Meter with Higher Graphical Resolution and Adjustable Trigger Level

Features:

- Oscilloscope graphical functions: Single channel, volts/division (75mV to 500V), Amps/Division (75mA to 15A), 500ns Glitch Capture
- High sensitivity allows user to capture low level signals
- Oscilloscope Bandwidth: DC to 100kHz with a sample rate of 1 Million Samples/sec
- Graphical display of mV, Volts, mA, Amps
- Comparator function with user defined MIN/MAX levels allows the user to perform HIGH/LOW/PASS tests in Voltage, Current, Resistance and Capacitance modes
- DMM functions: AC/DC Voltage/Current, Resistance, Frequency, Capacitance, dB, Duty Cycle, Pulse Width, Period, Logic Signal, Diode & Continuity tests

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
685—381265		Mini MultiScope II	249.00
685—381264		NiCad Batteries & 117 VAC Charger	39.00
685—381277		Temperature Adapter	29.00
685—445602		Humidity Adapter	99.00

HANDHELD MULTISCOPE™

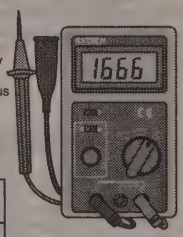
Graphical storage oscilloscope and True RMS multimeter with PC interface and software

Features:

- Oscilloscope graphical functions: Single channel, volts/division (150mV to 400V), Amps/division (15A), 500ns Glitch Capture, Pre/Post-Trigger (4div./+10div.)
- Oscilloscope Bandwidth: DC to 100kHz with a Sample rate of 1 Million Samples/sec
- MultiMeter functions: AC/DC Voltage/Current, Resistance, Capacitance, Frequency, dB, Duty Cycle, Pulse Width, Period, TTL level Generator, Diode and Continuity tests
- Built-in RS-232 PC interface
- Graphical HELP screens explain functions

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
685—381275		MultiScope™	329.00

DIGITAL MEGOHMMETER

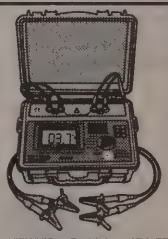


Features:

- Three test voltages of 250V, 500V and 1000V
- Insulation Resistance measurements to 2000MΩ
- Safety Power Lock enables hands free operation for 3 minute test
- Automatic discharge when safety "Press to Test" button released
- Auto power off and Data Hold
- Large 0.65" (17mm) LCD display
- Automatic zero adjustment
- Measures Continuity to 200Ω plus Voltage to 600VAC
- Complete with 6 AA batteries, heavy duty 2.5ft (0.8m) test leads, alligator clip, large probe and case with neckstrap

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
685—380360		Digital Megohmmeter	199.00

BATTERY POWERED MILLIOHM METER



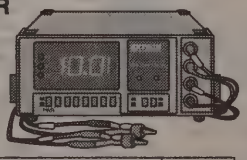
High accuracy, high resolution portable Milliohm Meter for field use

Features:

- Four terminal Kelvin measurements
- Over-temperature and over-voltage protection
- 5 ranges with 100μ max resolution
- Invalid test indicators prevent inaccurate measurements
- Built-in water resistant case with shoulder strap

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
685—380580		Battery Powered Milliohm Meter	499.00

HIGH RESOLUTION MILLIOHM METER



Features:

- 7 ranges for wide 20.00mΩ to 20.00kΩ low resistance measurements
- High resolution to 0.01mΩ
- One year warranty
- 1999 count display with large 0.8" digits
- Power: 110VAC 160Hz or 220VAC 50Hz
- Automatic zero
- Built-in comparator for Hi/Lo/Go resistance testing or selection
- Complete w/4-wire cables w/Kelvin clip connectors and power cord

685—380560	Precision MilliOhm Meter, 110VAC	449.00
685—380465	Spare Kelvin Clip Test Lead Set	59.00

RESISTANCE & CAPACITANCE DECADE BOXES

Features:

- Durable Construction
- Case may be grounded separately
- Three binding posts permit isolated substitutions
- Dimensions: 4.6x5.7x1.4" (116.8x144.8x35.6mm)
- Weight: 0.66lbs (299g)
- One year warranty

380400 Resistance Box Features:

- 1% Resistance substitution from 1Ω to 11MΩ in 1Ω steps
- Seven Decade Ranges of Resistance
- Values can be changed in 1Ω increments

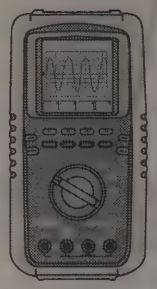
380405 Capacitance Box Features:

- 5% Capacitance substitution from 100pF to 11. 111μF in 100pF steps
- Excellent for circuit development
- Five Decade Ranges of Capacitance

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each
685—380400		A	Resistance Decade Box	99.00
685—380405		B	Capacitance Decade Box	129.00

5MHZ HANDHELD MULTISCOPE™

Graphical Storage Oscilloscope & True RMS Multimeter



Features:

Oscilloscope:

- DC to 5MHz bandwidth with a sample rate of 25 million samples/second
- Single channel with 1MW input impedance
- Vertical sensitivity of 10mV to 200V per division with 14 displayed divisions
- Horizontal sweep rate of 125ns to 2s per division with 23 divisions
- Large 160 x 160 pixel display
- Oscilloscope function displays waveform frequency and peak to peak voltage
- Adjustable trigger level and slope
- Fast and simple set up

Multimeter

- 4000 count display
- True RMS AC voltage and current
- Functions include AC/DC voltage and current, resistance, capacitance, frequency, dBm, diode test and continuity
- CAT II – 1000V
- Includes protective holster, built-in stand, PC software, RS-232 cable, 6 AA batteries, test leads and alligator clips

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
685—381285		5MHz Handheld MultiScope™	399.00
685—381279		NiCad Batteries & 120 volt Charger	39.00
685—381299		Vinyl Carrying Case	19.00

EXTECH PASSIVE COMPONENTS LCR METER

Features:

- Simultaneous 20,000/10,000 count display of the primary parameter (L, C or R) with the secondary parameter of Q (quality), D (dissipation) or R (resistance)
- Set Hi/Lo limits using absolute values or percentage limits
- Selectable Parallel or Series equivalent circuit
- 4-1/2 digit backlit LCD display
- Max/Min/Avg recording with Auto power off
- Built-in test fixture or use external test leads
- Open and Short Zero removes unwanted stray impedances from the measurement
- Built-in RS-232 with optional software
- Relative mode with zero reference or user supplied reference
- Automatic blown fuse indication
- CE approved, one year warranty
- Includes test leads, alligator clips, 9V battery, and protective holster
- Software Optional

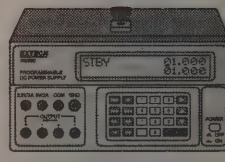
380193 Illustrated

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
685—380193		Passive Component LCR Meter	179.00
685—SW193		Windows Compatible Software	29.00
685—153117		117 VAC Adapter	25.00

DC POWER SUPPLIES

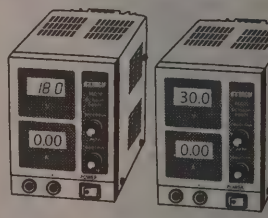
Features:

- Adjustable 0 to 40V, 0 to 5 output
- High resolution (1mV and 1mA) programmable outputs
- Separate fixed 5V/2A and 3.3V/3A outputs
- Memory for 200 test setups
- Constant voltage or constant current modes
- Programmable over voltage protection
- Programmable over current protection with 0 to 60 second delay timer
- High stability with low ripple and noise
- Dual high contrast display with backlighting
- Bi-directional PC control via Windows® HyperTerminal program



MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
685—382280		Programmable DC Power Supply	599.00

TRIPLE OUTPUT DC POWER SUPPLY



Features:

- Adjustable constant voltage or constant current output
- Dual backlit LCD displays for voltage and current
- Short circuit and overload protected
- Banana plug output jacks
- DC Voltage Output 0 to 30V 0 to 18V
- DC Current Output 0 to 1A 0 to 3A
- Weight 4.4lbs. (2kg) 6.6lbs. (3kg)
- 1 Year Warranty

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
685—382200		DC Power Supply 30V/1A	119.00
685—382202		DC Power Supply 18V/3A	129.00

EXTECH INSTRUMENTS Test Equipment

EXTECH ENVIRONMENTAL TESTERS

Light Meters

Features for 401027:

- Easy to operate Foot candle light meter with 2 ranges
- Convenient pocket size design
- Overrange indication
- Complete with 9V battery, light sensor with 3.8ft (1.2m) cable, built-in stand

401027

Features for 407026:

- % displays differential from reference point
- "ZERO" Re-Calibration
- ±4% accuracy is enhanced by selecting lighting type Tungsten/Daylight, Fluorescent, Sodium, Mercury)
- Record/Recall MIN, MAX and AVG readings
- Data Hold plus Auto shut off
- Built-in RS232 serial interface, optional software
- Dimensions 7x2.9x1.3" (178x74x33mm); weight 1.6lbs. (726g)
- Complete with 9V battery and protective holster.
- Optional Data Acquisition Software and Datalogger for later Analysis

407026

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
685—401027		Pocket Light Meter	59.00
685—407026		Heavy Duty Light Meter	169.00

Sound Level Meters

Features for 407730:

- Features for 407730
- ±2dB accuracy with 0.1dB resolution
- A and C weighting selectable
- 40 to 130dB measuring range
- Fast/slow response
- 300Hz to 8kHz frequency range
- AC analog output
- Record Max/Min values over time
- Auto power off and Max Hold functions
- Utilizes 0.5"(10mm) electret condenser microphone
- Tripod mountable
- Dimensions: 9x2.2x1.7" (230x57x44mm)
- Complete with 4 AAA batteries

Features for 407736:

- High accuracy Type 2 Meter
- Provides 1.5dB accuracy
- Meets ANSI and IEC 651 Type 2 standards
- High and Low measuring ranges Max Hold with reset button
- Built-in calibration check (94dB)
- Analog AC/DC outputs for connection to an analyzer or recorder
- Tripod mount ideal for field use

Features for 407727:

- Large digital display with 30-segment analog bargraph
- Analog AC output for connection to chart recorders and dataloggers
- Max Hold
- Tripod mount ideal for field use
- Complete with 9V battery and vinyl case

Features for 407750:

- High accuracy meets ANSI & IEC 651 Type 2 standards
- Background noise absorber for machine noise measurements filters ambient noise
- RS-232 interface for capturing data directly on a PC, optional Windows® /98/NT/2000/ME compatible software (407752)
- Large display with backlighting and analog bargraph
- Auto/Manual ranging
- Min/Max
- Analog AC/DC outputs for connection to a recorder
- Tripod mount ideal for field use
- Complete with 9V battery and carrying case

407730

407766

Features for 407766:

- Calibrates and verifies Sound Level Meter operation
- LED indicator lights up when power is on
- Level position to select 94dB or 114dB
- For use on Sound Level Meters with 0.5" or 1.0" microphones
- Durable die-cast, aluminum housing
- 1kHz sine wave at 94dB/114dB is generated to an accuracy of 5% (frequency) and ±0.8dB

407736

407750

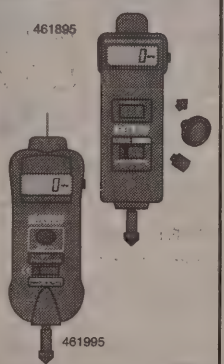
MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
685—407730		Digital Sound Level Meter	79.00
685—407736		1.5db Digital Sound Level Meter	249.00

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
685—407750		Type 2 Sound Level Meter	249.00
685—407766		Sound Level Calibrator	399.00

COMBINATION CONTACT/PHOTO TACHOMETERS

Features:

- Characters on display reverse direction depending on contact or photo mode
- Model 461895 utilizes visible light for non-contact readings up to 6" (150mm) from target
- Model 461995 uses a Laser for greater distance non-contact measurements up to 6.5' (2m)
- Memory/readings button holds last reading for 5 min and recalls min/max readings
- Complete with wheels for linear surface speed or rpm measurements, four 1.5V AA batteries, 23" (0.6m) reflective tape and carrying case



461895

461995

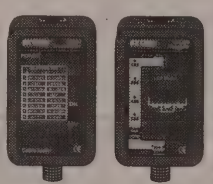
MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
685—461895		Combo Tachometer	229.00
685—461995		Laser Photo/Contact Tach.	279.00
685—491936		Reflective Tape	20.00
685—461899		Set of Spare Wheels	20.00

WIRE, CABLE AND NETWORK TESTERS

Network Cable Tester

Features:

- Tests 10Bast-T, AT&T258A, EIA/TIA 568B and Token Ring
- Tests Cat 5e, Cat 5, Cat 4 and Cat 3
- Locates shorts, opens, mis-wires and reversals
- Shield detection checks shield continuity
- Works on cables from 3 to 600 feet
- F connector for troubleshooting coax cables
- Ideal for home networks
- Includes two AAA batteries

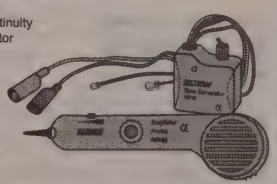


MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
685—CT100		Network Cable Tester	30.00

Tone Generator and Amplifier Probe

Features:

- Trace wires and cables in computer LAN and phone networks
- Tone generator has output cables with RJ11, RJ45 modular connectors and alligator clips
- User can select continuous or warble tone
- Probe has built-in speaker with sensitivity control
- Tests include tip/ring identification and continuity
- Includes tone generator with alligator clips and RJ11 and RJ45 connector cables, amplifier probe, two 9V batteries and storage case



MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
685—40180		Tone Generator and Amplifier Probe	79.00

THERMOMETERS

Features for 455703:

- Easy to read 1 inch digits
- Displays relative humidity and temperature
- Selectable °F or °C readings
- Min/Max memory of both % RH and temperature
- Built-in tilt stand for desk and bracket for wall mount
- Includes AAA battery

Features for 39240:

- 2.75" (70mm) Stainless steel stem
- Min/Max readings
- Data hold and auto power off
- Range: -40 to 392°F (-40 to 200°C)
- Accuracy: 2°F/1°C
- Resolution: 0.1°/1°
- Includes battery and protective cover

Features for 445715:

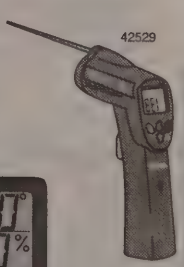
- Probe clips onto meter or extends on 18" (457mm) cable
- Max/Min with reset function
- Rear calibration adjustment pot
- Humidity: 10 to 99% RH
- Temperature: 14 to 140°F (-10 to 60°C)
- Accuracy: ±4%RH; ±1°C/1.8°F
- Built-in stand, mounting bracket, sensor, and 1 AAA battery

Features for 42529:

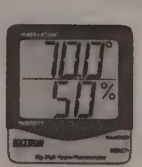
- Measures to 600°F without contact
- Large LCD display with backlighting
- Built-in laser pointer to improve aim
- °F/°C switchable
- Fixed emissivity (0.95) covers 90% of surface applications
- Narrow field of view
- Audible and visible overrange indicators
- Automatic Data Hold
- Complete with 9V battery

39240

445715



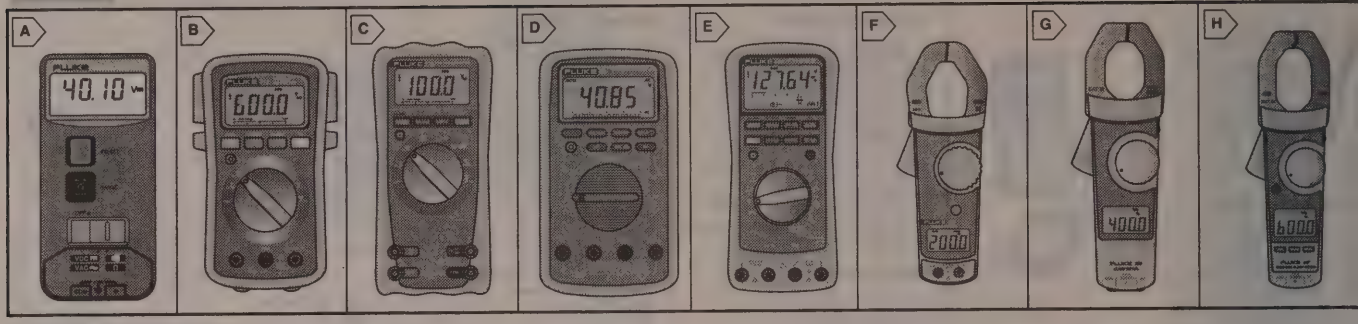
42529



455703

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
685—445703		Big Digit Hygro-Thermometer	39.00
685—39240		Pocket Size Waterproof Thermometer	19.00
685—445715		Big Digit Remote Probe Hygro-Thermometer	59.00
685—42529		IR Thermometer	89.00

FLUKE MULTIMETERS



FLUKE Digital Multimeters

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Fig.	DCV Accuracy	Ranging	Display LCD	Analog Bar Graph	PC Interface	Memory	Logging	Cap	Frequency	Safety Rating CAT III	Safety Rating CAT IV	Temp.	Warranty	Price Each
676—	110	B	0.7	Manual or Auto	6000	Yes	No	No	No	Yes	Yes	600V	No	No	3 Years	119.00
676—	12	A	0.9	Manual	4000	No	No	No	No	Yes	No	600V	No	No	2 Years	129.00
676—	16	A	0.9	Manual	4000	No	No	No	No	Yes	No	600V	No	Yes	3 Years	149.00
676—	111	B	0.7	Manual or Auto	6000	Yes	No	No	No	Yes	Yes	600V	No	No	3 Years	149.00
676—	73-3	B	0.3	Manual or Auto	3200	Yes	No	No	No	No	No	600V	No	No	Lifetime	179.00
676—	112	B	0.7	Manual or Auto	6000	Yes	No	No	No	Yes	Yes	600V	No	No	3 Years	159.00
676—	175	C	0.15	Manual or Auto	6000	Yes	No	No	No	Yes	Yes	1000V	600V	No	Lifetime	209.00
676—	177	C	0.09	Manual or Auto	6000	Yes	No	No	No	Yes	Yes	1000V	600V	No	Lifetime	219.00
676—	179	C	0.09	Manual or Auto	6000	Yes	No	No	No	Yes	Yes	1000V	600V	Yes	Lifetime	229.00
676—	83-5	D	0.1	Manual or Auto	20000	Yes	No	No	No	Yes	Yes	600V	No	No	Lifetime	339.00
676—	87-5	D	0.05	Manual or Auto	20000	No	No	No	No	Yes	Yes	600V	No	No	Lifetime	349.00
676—	187	E	0.025	Manual or Auto	50000	Yes	No	No	No	Yes	Yes	1000V	600V	Yes	Lifetime	389.00
676—	189	E	0.025	Manual or Auto	50000	Yes	Yes	Yes	No	Yes	Yes	1000V	600V	Yes	Lifetime	399.00

FLUKE Clamp Meters

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Fig.	DCV Accuracy	Ranging	Display LCD	Res.	Data Hold	Back Light	In Rush	Min./Max.	Frequency	Safety Rating CAT III	Auto Off	Cont.	Warranty	Price Each
676—	322	F	1% +/- 5 counts	Auto	4000	Yes	Yes	No	No	No	No	600V	Yes	Yes	2 Years	101.95
676—	333	G	1% +/- 5 counts	Auto	6000	Yes	Yes	No	No	No	No	600V	Yes	Yes	3 Years	132.95
676—	334	G	1% +/- 5 counts	Auto	6000	Yes	Yes	Yes	Yes	No	No	600V	Yes	Yes	3 Years	152.95
676—	335	G	1% +/- 5 counts	Auto	6000	Yes	Yes	Yes	Yes	No	No	600V	Yes	Yes	3 Years	198.95
676—	336	H	1% +/- 5 counts	Auto	6000	Yes	Yes	Yes	Yes	No	No	600V	Yes	Yes	3 Years	283.95
676—	337	H	1% +/- 5 counts	Auto	6000	Yes	Yes	Yes	Yes	Yes	Yes	600V	Yes	Yes	3 Years	314.95

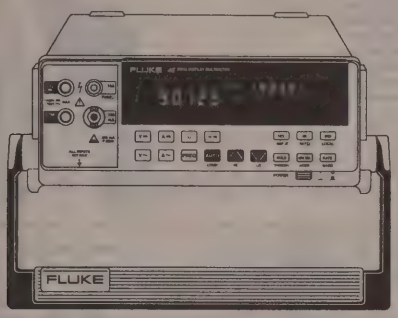
FLUKE Accessories

* SureGrip clips and probes require SureGrip test leads

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Description	Recommended For Fluke Model	Price Each
Clips, Probes, and Leads				
*676—	AC220	SureGrip Alligator Clips	110, 111, 112, 12, 175, 177, 179, 83-5, 87-5, 73-3, 16, 187, 189, 333, 334, 335, 336, 337	23.00
*676—	AC280	SureGrip™ Hook Clips use with TL222 Test Leads	12, 83-5, 87-5, 73-3, 16, 187, 189, 175, 177, 179, 110, 111, 112,	20.00
*676—	AC283	SureGrip™ Pincer Clips use with TL222 Test Leads	12, 175, 177, 179, 83-5, 87-5, 73-3, 187, 189,	23.00
*676—	AC285	SureGrip Alligator Clips	110, 111, 112, 12, 175, 177, 179, 83-5, 87-5, 73-3, 16, 187, 189, 333, 334, 335, 336, 337	14.00
*676—	TP220	SureGrip Industrial Test Probes	110, 111, 112, 12, 175, 177, 179, 83-5, 87-5, 73-3, 187, 189,	10.00
*676—	TL221	SureGrip Test Lead Extension Set	110, 111, 112, 12, 175, 177, 179, 12, 73-3, 16, 187, 189,	18.00
676—	TL220	SureGrip Industrial Test Lead Set	110, 111, 112, 12, 175, 177, 179, 83-5, 87-5, 73-3, 16, 187, 189,	45.00
676—	TL222	SureGrip™ Silicone Test Leads (right angle)	12, 83-5, 87-5, 73-3, 110, 111, 112, 187, 189, 175, 179, 322, 334, 335, 336, 337	18.00
676—	TL223	SureGrip Electrical Test Lead Set	110, 111, 112, 12, 73-3, 187, 189, 175, 177, 179, 322, 333, 334, 335, 336, 337	45.00
676—	TL224	SureGrip™ Silicone Test Leads	12, 83-5, 87-5, 73-3, 16, 187, 189, 175, 177, 179, 110, 111, 112, 333, 334, 335, 336, 337	18.00
676—	TL40	Retractable Tip Test Lead Set Recommended Y8140A Replacement	12, 83-5, 87-5, 73-3, 187, 189,	27.00
676—	TL71	Precision Probe Assembly; Recommended for µV Measurements	73-3, 175, 177, 179, 83-5, 87-5, 16, 187, 189, 110, 111, 112, 333, 334, 335, 336, 337	16.00
676—	TL75	Hardpoint Test Leads Set; Extremely Hard Alloy Tips	12, 83-5, 87-5, 73-3, 187, 189, 175, 177, 179, 110, 111, 112, 333, 334, 335, 336, 337	14.00
676—	TL80A	Basic Electronic Test Lead Set	12, 83-5, 87-5, 73-3, 187, 189,	40.00
676—	TL81A	Deluxe Electronic Test Lead Set	83-5, 87-5, 187, 189, 12, 73-3,	99.00
Current Clamps				
676—	I200	200 Amp Clamp; Compatible with any Fluke Multimeter	12, 175, 177, 179, 187, 189, 83-5, 87-5, 73-3, 16,	99.00
676—	I400	Current Probe; Compatible with any Fluke Multimeter	175, 177, 179, 83-5, 87-5, 187, 189,	95.00
676—	I410-KIT	AC/DC Current Clamp with Carry Case	12, 73-3, 175, 177, 179, 83-5, 87-5, 16, 187, 189,	184.00
676—	I1010-KIT	AC/DC Current Clamp with Meter Carry Case	12, 83-5, 87-5, 187, 189, 73-3, 16, 175, 177, 179,	275.00
Cases and Holsters				
676—	C12A	Soft Carrying Case	12, 16, 110, 111, 112,	15.00
676—	C25	Soft Case; Zippered Softcase	175, 177, 179, 83-5, 87-5, 73-3, 187, 189,	25.00
676—	C50	Vinyl Case with Belt Loop	110, 111, 112, 16, 73-3,	20.00
676—	C90	Soft Case for DMM's	110, 111, 112, 73-3, 175, 177, 179,	24.00
676—	C125	Compact Soft Case for 120 Series ScopeMeter Test Tools	187, 189, 123, 124	30.00
Meter Accessories				
676—	87RETRO	Retrofit Kit for FLUKE 83, 85, 87-3, 787 Meters	83-5, 87-5,	87.00
676—	C1600	Meter Gear Box	12, 175, 177, 179, 83-5, 87-5, 73-3, 16, 187, 189, 110, 111, 112, 333, 334, 335, 336, 337	29.95
676—	TPAK	Meter Hanging Kit; Universal Hanger	110, 111, 112, 73-3, 175, 177, 179, 83-5, 87-5, 187, 189, 16,	25.00
676—	TLK220	Industrial Test Lead Kit Set	83-5, 87-5, 12, 73-3, 187, 189, 175, 177, 179, 110, 111, 112,	94.00
676—	TLK225	SureGrip Master Accessory Set	83-5, 87-5, 187, 189, 12, 73-3, 175, 177, 179, 110, 111, 112,	99.00
676—	FVF-SC2	FLUKEVIEW, Software, Forms with Cable	187, 189,	160.00
Probes, Adapters, Plugs, and Kits				
676—	80PK-1	Probe, Thermocouple, Beaded K-type	175, 177, 179,	15.00
676—	80TK	Thermocouple Module, Converts any Fluke DMM to a Thermometer	110, 111, 112, 12, 73-3, 175, 177, 179, 83-5, 87-5,	74.00

45 DUAL DISPLAY BENCH MULTIMETER

Features:
- Multifunction Vacuum Fluorescent Dual Display
- True-RMS Voltage and Current Measurement, Including AC + DC
- 0.05% DC Current Accuracy for 4-20 mA Current Loop Service
- Optional IEEE-488.2 Interface
- Frequency Measurement to 1 MHz
- MIN/MAX Mode
- COMPARE (Hi/Lo/Pass) for Quick In-Tolerance Tests
- Optional FlukeView Forms, accessory software package.
- Standard RS-232 Interface
- dB Measurements
- RELATIVE Mode
- Closed Case Calibration
- 1 Year Warranty
- Optional: Rack-Mount Kit

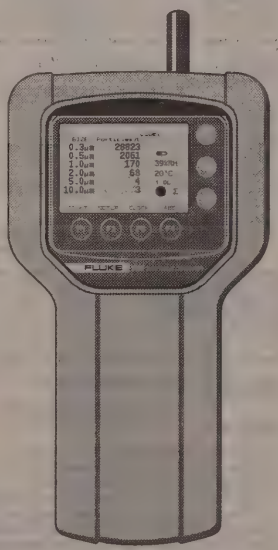


MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-45	45	Dual Display Multimeter	849.00
Accessories			
676-TL223	TL223	SureGrip Electrical Test Lead Set	45.00
676-TL81A	TL81A	Deluxe Electronic Test Lead Set	99.00
676-AC72	AC72	Alligator Clip Set	9.00
676-i200	i200	AC Current Clamp (200 A)	99.00
676-i410	i410	AC/DC Current Clamp (400 A)	159.00
676-FVF-SC3	FVF-SC3	Flukeview forms software w/ interface cable	150.00

983 PARTICLE COUNTER

The new Fluke 983 Particle Counter is the preferred choice for HVAC and IAQ professionals. From filter testing to IAQ investigations, the Fluke 983 is the portable solution for determining airborne particle concentrations. Use the Fluke 983 to immediately respond to occupant complaints, or as part of a comprehensive preventive maintenance program.

Features:
- Multifunction Vacuum Fluorescent Dual Display
- Simultaneously measure and display 6 channel of particle sizes, temperature and humidity
- Measure particle size down to 0.3 µm
- Selectable sample time, count data, programmable delay
- Store 5000 records of date, time, counts, relative humidity, temperature, sample volumes, alarms and location label
- Upload stored data to a PC with included software
- Compact, self-contained package allows for one-handed operation
- Intuitive, easy to use user interface
- Always ready to run, with no fluids to refill
- Backlit LCD for use in any lighting condition
- 8 hour rechargeable NiMH battery
- Protective holster



Model Includes:
- Certificate of Calibration (NIST)
- Windows-compatible software download utility
- DB9 to RS-232 adapter and cable
- Isokinetic probe
- Zero count filter
- High purity tubing
- 1/8 in. hose barb adapter
- Power supply
- Operation manual
- Hard molded plastic case

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-983	983	Particle Counter	4495.00

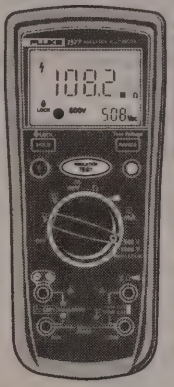
1577 / 1587 INSULATION MULTIMETER

The Fluke 1587 and 1577 Insulation Multimeters combine a digital insulation tester with a full-featured digital multimeter in a single, compact handheld unit, which provides maximum versatility for both troubleshooting and preventative maintenance. Like other tools that you have come to expect from Fluke, the 1587 and 1577 are rugged, reliable, and easy to use. Whether you work on motors, generators, cables, or switch-gear, the Fluke 1587/1577 Insulation Multimeters are ideally suited to help you with your tasks.

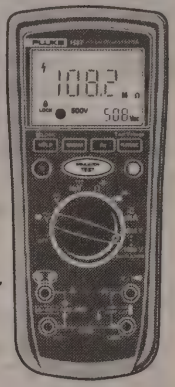
Features:
- Multifunction Vacuum Fluorescent Dual Display
- Provides maximum versatility for troubleshooting and preventative maintenance
- Ideal for work on motors, cables, and switchgear
- Large display with backlight
- Filter for motor drive measurements (1587 only)
- Insulation test (1577: 0.1M Ohm to 600M Ohm), (1587: 0.01M Ohm to 2G Ohm)
- Insulation test voltages (1587: 50V, 100V, 250V, 500V, 1000V), (1577: 500V, 1000V) for many applications
- Live circuit detection prevents insulation test if voltage >30V is detected for added user protection
- Auto-discharge of capacitive voltage for added user protection
- AC/DC voltage, DC milliVolts, AC/DC milliAmps, Resistance (0.1Ω-50M Ω), Continuity
- Capacitance, Diode Test, Temperature, Min/Max, Frequency (Hz) (1587 only)
- Auto power off to save battery power
- CAT III - 1000V, CAT IV - 600V measurement category

Included Accessories:
Remote probe, test leads and probes, alligator clips, Rugged, utility hard case (K-type thermocouple - 1587 only)
- Made in USA
- 3-year warranty

1577



1587

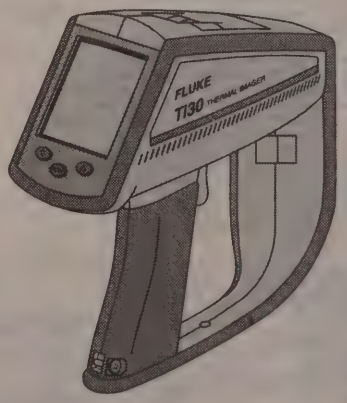


MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-1577	1577	Insulation Multimeter (0.1M Ohm to 600M Ohm)	449.00
676-1587	1587	Insulation Multimeter (0.01M Ohm to 2G Ohm)	549.00
Accessories			
676-TPAK	TPAK	ToolPak, Meter Hanging Kit	25.00
676-i400S	i400S	clamp with adapter	170.00
676-C25	C25	soft case	25.00

TI30 THERMAL IMAGER

The Fluke Ti30 Thermal Imager is just what you need to make an effective predictive maintenance program easy, fast, accurate and affordable. It's the tool you'll reach for again and again for scheduled inspections, quick spot checks, and everything in between. Start or enhance your predictive maintenance program with the imager that gives you the features, software, and temperature range without the big price tag.

Included Accessories:
- Docking Station with Universal Power Adapter and USB Connection
- Hardshell Carrying Case
- USB Field Cable
- Rechargeable Battery Pack
- AA Battery Pack (batteries not included)
- Interactive CD with InsideIR Software and User Manual
- Training Presentation CD
- Carrying Pouch
- Wrist Strap
- Quick Reference Card
- One Seat in Professional Training Course



MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-TI30	TI30	TI30 Thermal Imager	9995.00

62 MINI INFRARED THERMOMETERS

The Fluke 62 Mini non-contact thermometer is the perfect introduction to infrared (IR) thermometers for the professional. With the best accuracy in its class, the Fluke 62 mini offers quick and reliable surface temperature readings.

Features:

- Safely take temperature readings of hot, hard to reach, or moving targets
- Capture MAX temperature during reading
- Easily read display in low-light areas
- Guide measurements with laser targeting
- Read temperature up to 500°C (932°F)

NEW FROM SUPPLIER

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-62	62	Mini Infrared Thermometer	99.00
Accessories			
676-80PR-60	80PR-60	IR-Pistol-RTD Probe	50.00
676-H6	H6	IR-Pistol-Holster	20.00

60 SERIES HANDHELD INFRARED THERMOMETERS

These handheld portable tools enable professionals to monitor the status of electrical motors and electrical panels, research heating and ventilation problems and diagnose car malfunctions with ease.

NEW FROM SUPPLIER

Fluke 63

Fluke 66

Fluke 68

Fluke 63:

- High-resolution optics
- High accuracy: 1 % and repeatability: 0.5 %
- MAX temperature display
- Laser targeting
- Backlit display
- Expanded measurement range up to 535 °C (999 °F)

Fluke 66:

- Laser guided sighting system for easy targeting with 1 % accuracy
- 12-point data logging
- Advanced optics to measure smaller targets at greater distances
- Adjustable emissivity for more accurate temperature measurements
- Selectable MAX, MIN, DIF and AVG functions that display values instantly with Hi/Lo Alarm
- Expanded measurement range up to 600 °C (1100 °F)

Fluke 68:

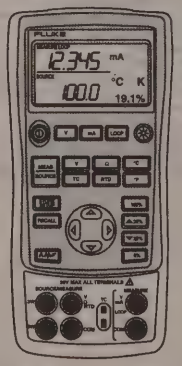
- Laser guided sighting system for easy targeting with 1 % accuracy
- 12-point data logging
- Advanced optics to measure smaller targets at greater distances
- Adjustable emissivity for more accurate temperature measurements
- Selectable MAX, MIN, DIF and AVG functions that display values instantly with Hi/Lo Alarm
- Expanded measurement range up to 760 °C (1400 °F)

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-63	63	Infrared Thermometer to 535 °C (999 °F)	209.00
676-66	66	Infrared thermometer to 600 °C (1100 °F)	389.00
676-68	68	Infrared thermometer to 760 °C (1400 °F)	499.00
Accessories			
676-80PR-60	80PR-60	IR-Pistol-RTD Probe	50.00
676-H6	H6	IR-Pistol-Holster	20.00

724 TEMPERATURE CALIBRATOR

Features:

- The Fluke 724 Temperature Calibrator is a powerful yet easy-to-use calibrator.
- Use the measure and source functions to test and calibrate almost any temperature instrument.
- Easy to read dual display lets you view input and output simultaneously
- Measure RTDs, thermocouples, ohms, and volts to test sensors and transmitters
- Source/simulate thermocouples, RTDs, mA, volts, and ohms to calibrate transmitters
- Perform fast linearity tests with 25% and 100% steps
- Execute remote tests with auto step and auto ramp
- Power transmitters during test using loop power supply with simultaneous mA measurement
- Store frequently-used test setups for later use
- Compact, streamlined shape makes it easy to carry
- Rugged, reliable design stands up to field use
- Backlight lets you work in poor light
- Large battery capacity of four AA cells
- Battery door for easy changes
- 3 year warranty



MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-724	724	Fluke 724 Temperature Calibrator	1345.00
Accessories			
676-TL220	TL220	SureGrip Industrial Test Lead Set	45.00
676-AC72	AC72	Alligator Clip Set	9.00
676-TL71	TL71	Test Lead Set	15.00
676-TL238	TL238	Test Lead Set for High Energy Environments	45.00
676-TPAK	TPAK	ToolPak, Meter Hanging Kit	25.00
676-LPAK	LPAK	LockPak, Meter Locking Kit	20.00
676-C510	C510	Leather Meter Case	40.00
676-80PK-24	80PK	Air Temperature Probe	70.00

570 SERIES DATA LOGGING INFRARED THERMOMETERS

The new Fluke 570 precision non-contact thermometers are ideal professional diagnostic tools for predictive maintenance professionals requiring the most accurate temperature readings and equipment condition documentation.

Features:

NEW FROM SUPPLIER

- Large backlit dual display shows any combination of T1,T2 (52 only)
- Displays Min/Max measurements (all models) and Dif/Avg (Fluke-574 and Fluke-576)
- Adjustable emissivity setting (.01 increments) for more accurate measurement
- 30 pre-set common material emissivity values (Fluke-574 and Fluke-576)
- 3-dot coaxial laser sighting showing the true diameter of a measurement spot (90% energy)
- Extra bright appearing 635nm laser to clearly highlight the targeted area
- Close-focus models available for specialized applications, such as electrical components
- Customizable log names, alarms, and emissivity values. (Fluke-574 and Fluke 576)
- Bar graph of last ten readings for visual recognition of trends in real time
- Read temperatures up to 900 °C (1600 °F)
- Backlit display for poorly lit areas
- Holds temperature readings
- Durable plastic storage case
- Thermocouple K probe (Fluke-574 and Fluke-576)
- 110V or 220V power supply (Fluke-574)
- Windows-based software on CD in 8 languages
- USB cable (Fluke-576)
- RS232 cable (Fluke-574)
- Durable hard case
- 2 AA Batteries
- User's manual on CD in 8 languages
- Printed Quickstart in 8 languages
- 2 year warranty

572 & 574

576

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-572	572	Thermometer 535C/999F	710.00
676-574	574	Thermometer with Logging Software	1095.00
676-576	576	Photo IR Therm with Logging Software	1695.00
Accessories			
676-AN5	AN5	MV/Degree Data cable	50.00
676-C570	C570	Holster with belt clip for Fluke-572/574/576	35.00

50 SERIES II THERMOMETERS

Features:

- Large backlit dual display shows any combination of T1,T2 (52 only)
- T1-T2 plus MIN, MAX, or AVG (52 only)
- Relative time clock on MIN, MAX, and AVG provides a time reference for major events
- Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy
- Measures J, K, T, and E-types of thermocouples
- Readout in °C, °F, or Kelvin (K)
- Splash and dust resistant case protected by impact absorbing holster
- User-friendly front panel is easy to set up and operate
- Sleep mode increases battery life; typical 1000-hour battery life
- Battery door allows easy battery replacement without breaking the calibration seal

A

B

MOUSER STOCK NO.	Fluke Part No.	Fig.	Description	Price Each
676-51-2	51-2	A	Single Input	179.00
676-52-2	52-2	B	Dual Input	229.00

61 INFRARED THERMOMETER

Features:

- Non-contact measurements 0° to +525°F
- Bright laser beam provides easy targeting
- Display clearly supplies data at a glance
- Shock-absorbing holster increases ruggedness
- 0.2°C (0.5°F) resolution
- Backlight illuminates the screen in the dark
- Automatic sleep mode after 7 seconds extends battery life
- Alkaline batteries provide 4000 typical measurements

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-61	61	61 Infrared Thermometer	109.00

65 INFRARED THERMOMETER

Features:

- Non-contact measurements -40° to +932°F
- Rugged electronics and case with holster
- Bright laser beam provides easy targeting
- Large dual display LCD display clearly supplies data at a glance
- 0.1° resolution up to 200° (1° resolution above 200°)
- Quality backlight illuminates the screen in the dark
- MIN/MAX provides the variation in any measurement
- Store and recall any single temperature
- Automatic sleep mode after 15 seconds extends battery life
- Alkaline batteries provide over 4000 typical measurements
- Includes C50 soft carrying case, batteries and instruction sheet

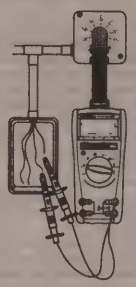
676-65	65	65 Infrared Thermometer	299.00

FLUKE Test Equipment

MULTIMETER & TOOLPAK COMBO PACK

We have bundled these two products together so they can be ordered with a single part number at a lower price than purchasing the items separately.

Now you can get more out of your Fluke 179 Digital Multimeter with the ToolPak Magnetic Meter Hanging Kit.



Features:

- All standard DMM functions plus:
- Limited lifetime warranty
- 6000 count display
- True-rms ac voltage and current
- Min/Max/Average recording
- Frequency, capacitance and resistance
- Made by Fluke in the USA
- Back-lit display
- Temperature in °C and °F
- ToolPak Meter Hanging Kit

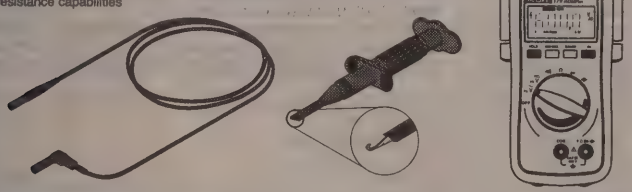
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-179/TPAK	179/TPAK	179 Multimeter with magnetic hanging kit	239.00

ELECTRONICS DMM COMBO KIT

Kit Includes:

179 (includes 80BK)

- True-rms ac voltage and current
- 6000 count display
- Frequency, capacitance & resistance capabilities
- Backlight
- TL24 test leads
- AC80 grabbers
- TL910 fine pitch leads & probes
- C800 durable carrying case



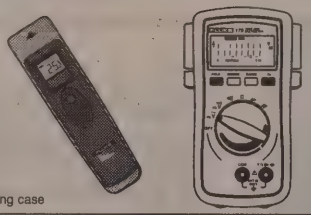
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-179/EDA	179/EDA	Electronics multimeter and deluxe accessory combo kit	259.00

FLUKE 179/61 INDUSTRIAL MULTIMETER & INFRARED THERMOMETER COMBO KIT

Kit Includes:

179 (includes 80BK)

- True-rms ac voltage and current
- 6000 count display
- Frequency, capacitance & resistance capabilities
- Backlight



61 Infrared Thermometer

- Bright laser beam provides easy targeting
- Celsius or Fahrenheit readout
- 0.2 °C (0.5 °F) resolution for precise readings
- Backlight for use in dark areas
- Includes test leads, temperature probe & a durable carrying case

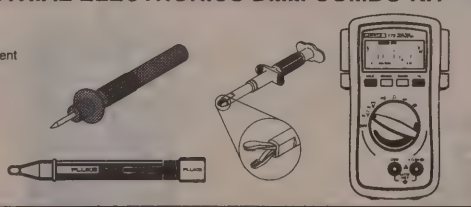
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-179/61	179/61	Multimeter and Infrared Thermometer Kit	299.00

INDUSTRIAL ELECTRONICS DMM COMBO KIT

Kit Includes:

179 (includes 80BK)

- True-rms ac voltage and current
- 6000 count display
- Frequency, capacitance & resistance capabilities
- Backlight
- TL24 test leads
- AC20 retractable alligators
- TP20 industrial probes
- 1AC Voltage Detector
- C800 durable carrying case



MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-179/1AC	179/1AC	Electrician's multimeter, voltage tester, and deluxe accessory	259.00

VOLTAGE, CONTINUITY AND CURRENT TESTER KIT WITH HOLSTER

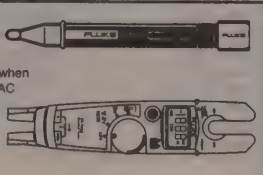
Kit Includes:

T5-1000 Tester

- Measures voltage, current and checks continuity.
- Measures up to 1000V AC or DC to 100A AC and resistance to 1000 Ohms.
- OpenJaw Technology

1AC VoltAlert

- Voltage Detector glows red when voltage is present 90-600V AC
- H5 Custom Holster

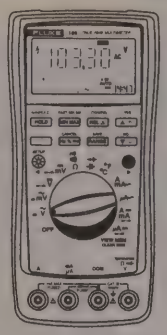


MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-T5-H5-1AC	T5-H5-1AC	Continuity and Current Tester Kit with Holster	127.95

FLUKE 189 LOGGING MULTIMETER & VIEW FORMS COMBO PACK

We have bundled these two products together so they can be ordered with a single part number at a significantly lower price.

Now you can get even more out of your Fluke 189 Digital Multimeter.



Features:

- Stand-alone logging of measurement changes up to 3 days
- Basic 0.025 % basic dc accuracy at 50,000 counts
- Dual Display with 2 level backlight, Auto Hold
- Temperature readings in °C or °F using optional
- K-type thermocouple
- Limited lifetime warranty
- Made by Fluke in the USA
- Create custom forms or reports to document and archive test procedures and results
- Documentation can establish long term analysis and troubleshooting data of various processes for use in preventative maintenance schedules
- FVF-SC2 includes software, infrared adapter, cable and connector

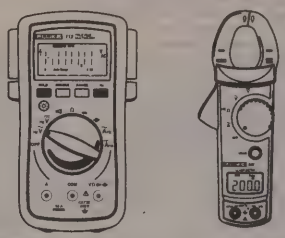
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-189/FVF	189/FVF2	189 Logging multimeter with software	499.00

FLUKE ELECTRICIAN'S COMBO KIT

Kit Includes:

112 DMM (including TL75)

- True-rms ac voltage and current
- 6000 count display
- Frequency, capacitance & resistance capabilities
- Backlight



322 Clamp Meter

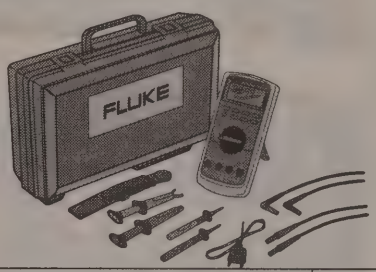
- Precise low current measurements better than 2% basic accuracy
- Auto shut-off
- Display hold
- Two year warranty
- C800 durable carrying case

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-112/322	112/322	Electrician's multimeter & clamp meter combo	229.00

FLUKE 87 V/E INDUSTRIAL ELECTRICIANS COMBO KIT

Kit Includes:

- 87V Multimeter
- TL224 silicone test leads
- AC220 long reach alligator clips
- TP238 test probes
- Magnet & strap
- 80BK temperature probe
- Holster
- 9V battery (installed)
- Getting Started Manual
- CD with detailed manual



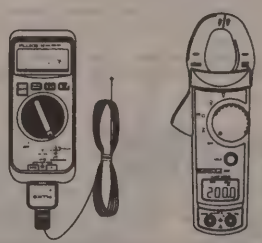
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-87V/E	87V/E	Fluke 87V/E Industrial Combo Kit	399.00

FLUKE HVAC COMBO KIT

Kit Includes:

16 DMM (including TL75, 80BK)

- 4000 count display
- Temperature, frequency, capacitance & resistance capabilities
- Three year warranty



322 Clamp Meter

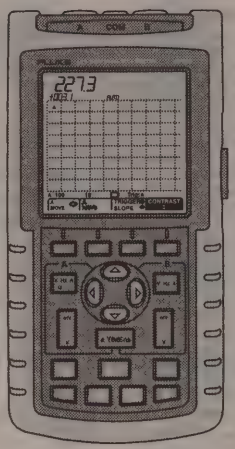
- Precise low current measurements better than 2% basic accuracy
- Auto shut-off
- Display hold
- Two-year warranty
- C800 durable carrying case

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-16/322	16/322	HVAC multimeter and clamp meter combo kit	209.00

123 & 124 INDUSTRIAL SCOPEMETERS®

Features:

- Fast Fault Finding with Connect-and-View™
- Connect-and-View hands-off operation provides rock stable, reliable and repeatable displays of signals without touching a button.
- All signal detail is revealed including spikes and noise.
- Even complex signals are triggered automatically and flawlessly.
- The Fluke 123 features unique "single test lead does all measurements" providing intuitive ease of use.
- You can use one and the same set of test leads for waveform display, multiple meter readings, capacitance and resistance measurements, and continuity checking.
- There's no need to swap leads.
- You can perform checks while holding the test leads.
- No adjustments to the ScopeMeter are necessary.
- Battery power provides isolation from ground and delivers optimum mobility with no line cords or ground wire to get in the way of getting good measurements.
- The Fluke 123 Industrial ScopeMeter streamlines troubleshooting tasks making you and your team more efficient.
- 5 Hour NICHD Battery
- 3 Year Warranty



Fluke 124 Enhancements:

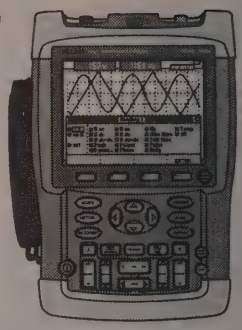
- 40 MHZ Bandwidth with new Probes
- 20 Setup/screen memories with text annotation (thru Fluke ScopeMeter software)
- On screen cursor measurements
- 7 hour NiMH battery

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
676—123/003		123 with Leads only	1199.00
676—123/003S		123 Kit with Cable, Software, Leads, and Case	1509.00
676—124/003		124 with Leads only	1499.00
676—124/003S		124 Kit with Cable, Software, Leads, and Case	1849.00
Accessories			
676—TL220		SureGrip Industrial Test Lead Set	45.00
676—C125		Soft Meter Case	30.00
676—80I-110S		AC/DC Current Probe (100 A)	420.00
676—I200S		AC Current Clamp (200 A)	149.00
676—80TK		Thermocouple Module (Type K)	74.00

SCOPEMETER® 190 SERIES

Features:

- The new ScopeMeter® 190C Series with large, high-resolution, color screen and new Digital Persistence mode give you an even better view of complex waveforms in the most demanding troubleshooting applications in the field. In addition to the impressive capabilities of the 190 Series, the new color models offer:
  - Color for easy identification of individual waveforms.
  - Full-size, high-resolution screen for revealing more signal detail.
  - Digital Persistence for analyzing complex dynamic waveforms like on an analog scope.
  - Fast display update rate for seeing dynamic behavior instantaneously.
  - Stop-on-Trigger in ScopeRecord™ mode for storing and analyzing pre-trigger waveform data.
  - Waveform reference for visual comparisons.
  - Vpwm function for motor drive and frequency inverter applications.
  - All the high performance scope specifications of the Fluke190 Series ScopeMeter apply.



MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
676—196B/003		100MHZ B/W Display and Leads only.	2350.00
676—196B/003S		100MHZ B/W Display with Software, Cable and Leads.	2775.00
676—196C/003		100MHZ Color Display with Leads only	2699.00
676—196C/003S		100MHZ Color Display with Software, Cable and Leads.	3124.00
676—199B/003		200MHZ with B/W Display and Leads only.	2699.00
676—199B/003S		200MHZ B/W Display with Software, Cable and Leads.	3124.00
676—199C/003		200MHZ Color Display with Leads only	2999.00
676—199C/003S		200MHZ Color Display with Software, Cable and Leads.	3424.00
Accessories			
676—TLK225		SureGrip Master Accessory Set	99.00
676—DP120		Differential Probe	450.00
676—AC220		SureGrip Alligator Clips	23.00
676—AC283		SureGrip Pincer Clips	23.00
676—C195		Soft Case	124.00
676—C550		Tool Bag	60.00
676—80I-110S		AC/DC Current Probe (100 A)	420.00
676—I1000S		AC Current Clamp (1000 A)	355.00
676—I410		AC/DC Current Clamp (400 A)	154.00
676—SW90W		FlukeView ScopeMeter Software	210.00

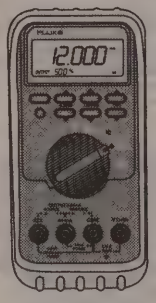
787 AND 789 PROCESSMETERS

787 Features:

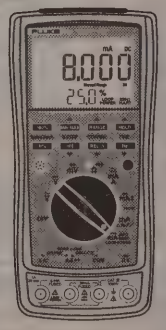
- DMM and loop calibrator in one tool
- Clear LCD with backlight; 4,000 counts (30,000 counts for dc current)
- Externally accessible battery for easy battery changes
- 1000V overload protection on V, ohms, frequency
- 150V overload protection on mA, backed-up by 440mA 1000V fuse
- 25% Manual Step plus Auto Step and Auto Ramp on mA output.

789 Features:

- 24 V loop power supply
- Very large dual display
- Enhanced backlight with two brightness settings
- 1200 ohm drive capability on mA source
- HART mode setting with loop powerand a built-in 250 ohm resistor
- 0% and 100% buttons to toggle between 4 and 20 mA sourcing for a quick Span Check
- Externally accessible fuses for easy replacement
- Infrared port to process data in FlukeView™ Software



787



789

MOUSER STOCK NO.		Description		Price Each
Mfr.	Mfr. Part Number			
676—787		Fluke 787 ProcessMeter		579.00
676—789		Fluke 789 ProcessMeter		695.00
Accessories			**Model**	
676—TL220		SureGrip Industrial Test Lead Set	787 & 789	45.00
676—AC220		SureGrip Alligator r Clips	787 & 789	23.00
676—TL238		Test Lead Set for High Energy Environments	787 & 789	45.00
676—C25		Large Soft Case for DMMs	787 & 789	25.00
676—I1010		AC/DC Current Clamp (1000 A)	787	254.00
676—I410		AC/DC Current Clamp (400 A)	787	154.00
676—FOM		Fiber Optic Meter	787	299.00
676—80TK		Thermocouple Module (Type K)	787	74.00
676—TPAK		ToolPak, Meter Hanging Kit	789	25.00
676—80I-400		AC Current Clamp (400 A)	789	95.00
676—PV350		Pressure Vacuum Module	789	274.00
676—80T-150U		Universal Temperature Probe	789	124.00
676—FVF-SC2		FlukeView Forms Software with cable	789	150.00

707EX INTRINSICALLY SAFE LOOP CALIBRATOR

The fast, one-handed tool for loop checks in Ex zones.

Features:

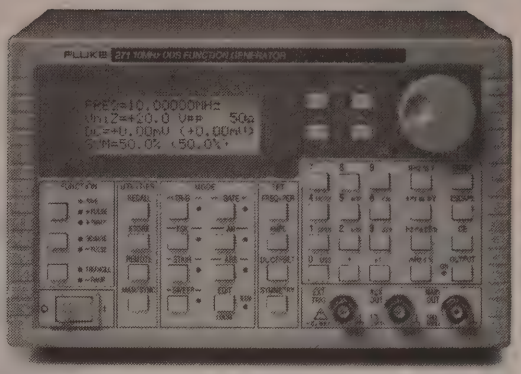
- Large display and simple, quick-click push rotary button for easy one handed operation
- Simultaneous mA and % readout for quick, easy interpretation of readings
- mA accuracy of 0.015%, superior to other loop calibrators
- Push button with 25% steps for fast, easy linearity checks
- 0-100% "span check" for fast confirmation of zero and span
- Selectable slow ramp, fast ramp, and step ramp to provide smooth outputs for valve slewing and loop functional tests
- Internal loop supply, so you can power and read a transmitter at the same time without carrying a DMM
- Measures V DC to 28 V
- Innovative output adjustment dial with .001mA and 0.1m resolution
- HART® compatible resistance is connected in series with the loop supply for compatibility with HART communicators
- ATEX and Factory Mutual Certified
- 1 year warranty

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
676—707EX			875.00

FLUKE Test Equipment

271 DDS FUNCTION GENERATOR WITH ARB HIGH PERFORMANCE FUNCTION GENERATOR

The 271 is a high performance function generator using Direct Digital Synthesis techniques. A wide variety of standard waveforms are provided and an arbitrary waveform capability allows it to be used to generate non-standard and user-defined waveforms. Extensive modulation capabilities make this a highly versatile signal source.



Features:
- High stability 10 MHz DDS function generator
- Arbitrary capability with storage for five user defined waveforms
- Multiple standard and complex waveforms recalled from internal memory
- Extensive modulation capabilities include sweep, AM, Gating, Trigger/Burst, FSK and Hop GPIB and RS-232 interfaces

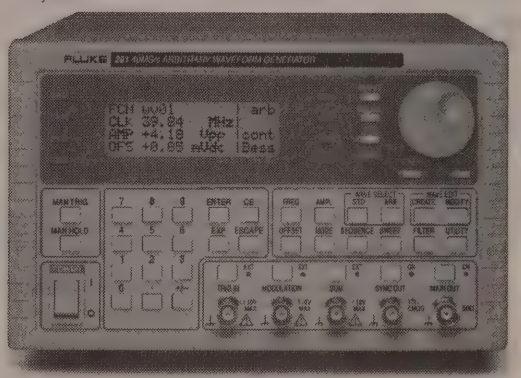
Waveforms

Standard waveforms are sine, square, positive pulse, negative pulse, triangle, ramp up, ramp down. Additionally arbitrary waveforms, multi-level squarewaves, waveform hopping and pseudo-random noise can be generated.

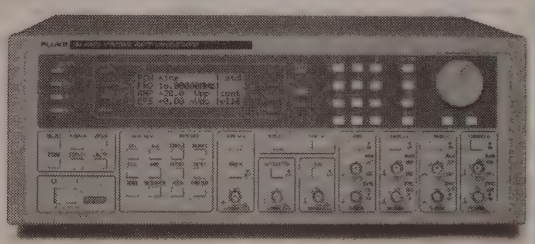
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-271	Fluke-271	0.1 to 10 MHz Function Generator w/ Arb	1495.00
Accessories			
676-Y200H	Fluke-Y200H	RackMount Kit HalfRack 271/ 281	320.00
676-SW200ARB	Fluke-SW200ARB	Waveform Manager Plus software for 27X Generators	395.00

280 SERIES WAVEFORM GENERATORS

These universal waveform generators combine many generators in one instrument. Their extensive signal simulation capabilities include arbitrary waveforms, function generator, pulse/pulse train generator, sweep generator, trigger generator, tone generator, and amplitude modulation source.



281 Model Shown



284 Model Shown

Features:
- Choice of 1, 2 and 4 independent or linked channels
- 40 MS/s max. sampling speed
- 16 MHz function generator
- 10 MHz pulse generator
- Pulse train pattern generator
- Arbitrary waveforms of up to 65 k points
- Powerful modulation capabilities
- Built-in trigger generators
- Waveform Manager Plus for Windows® software
- Multiple standard waveforms recalled from internal memory
- RS-232 and GPIB interfaces

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-281	Fluke-281	Channel 40 MS/s Arbitrary Waveform Generator	1995.00
676-282	Fluke-282	Channel 40 MS/s Arbitrary Waveform Generator	3395.00
676-284	Fluke-284	Channel 40 MS/s Arbitrary Waveform Generator	5495.00
Accessories			
676-Y200H	Fluke-Y200H	RackMount Kit HalfRack 271/ 281	320.00
676-Y200F	Fluke-Y200F	RackMount Kit FullRack 282/ 284	320.00

9040 PHASE ROTATION INDICATOR

The Fluke 9040 is effective for measuring phase rotation in all areas where three phase supplies are used to feed motors, drives and electrical systems. The Fluke 9040 is a rotary field indicator and can provide clear indication of the 3 phase via an LCD display and the phase rotation direction to determine correct connections. It allows rapid determination of phase sequence and has a voltage (up to 700 V) and frequency range suitable for commercial and industrial applications. The included test probes have a variable clamping range for safe contact, also in industrial sockets.

Features:
- 3 phase indication
- Indication of phase rotation
- Clear LCD display
- No battery required

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-9040	Fluke-9040	Phase Rotation Indicator	185.00

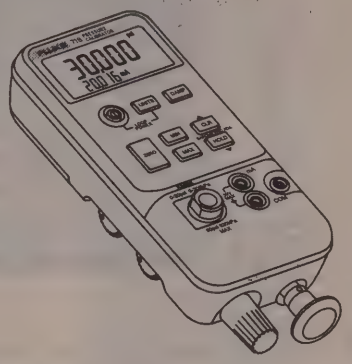
FLUKE Precision Calibration Test Equipment

FLUKE 718 PRESSURE CALIBRATOR

The Fluke 718 Pressure Calibrator is a complete, self-contained calibration solution.

Features:

- Built-in pressure / vacuum hand pump, with vernier and bleed valve.
- New switch test function captures set, reset and dead band.
- Pressure measurement to 0.05% of full span, using an internal pressure sensor.
- Pressure measurements to 10,000 PSI, 700 bar using any of the Fluke 700Pxx Pressure Modules
- Current measurement with 0.025% accuracy and 0.001 mA resolution.
- Wide range of selectable measurement units for pressure.
- 24 volt loop power supply.
- Min-Max Hold and damp functions.
- 1/8 inch NPT female pressure fitting.
- Simple, push-button user interface.
- Compact size and weight.
- 3 year warranty.



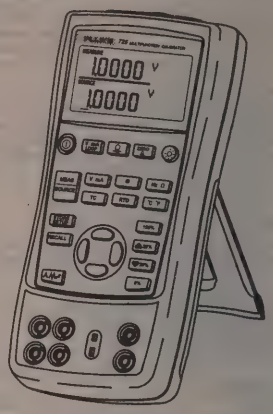
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-718	718 10U	Pressure Calibrator 100 PSIG	1695.00
676-718-30	718 30US	Pressure Calibrator 30 PSIG	1695.00
Accessories			
676-TL220	TL220	SureGrip Industrial Test Lead Set	45.00
676-AC72	AC72	Alligator Clip Set	9.00
676-TL71	TL71	Test Lead Set	15.00
676-AC220	AC220	SureGrip Alligator Clips	23.00
676-C510	C510	Leather Meter Case	40.00

FLUKE 725 MULTIFUNCTION PROCESS CALIBRATOR

The Fluke 725 Multifunction Process Calibrator is a powerful, yet easy-to-use field calibrator. Use the measure and source functions to test and calibrate almost any process parameter.

Features:

- Small, streamlined shape makes it easy to carry.
- Rugged, reliable design stands up to field use.
- Easy to read measure/source screen lets you view input and output simultaneously.
- Measure volts, mA, RTDs, thermocouples, frequency and ohms to test sensors and transmitters.
- Source/simulate volts. mA, thermocouples, RTDs, frequency, ohms, and pressure to calibrate transmitters.
- Measure/source pressure using and of 29 Fluke 700Pxx Pressure Modules.
- Source mA with simultaneous pressure measurement to conduct valve and I/P tests
- Support flow meter testing with frequency and CPM functions.
- Perform fast linearity tests with auto-step and auto-ramp features.
- Power transmitters during test using loop supply with simultaneous mA measurement.
- Handling of fast pulsed RTD transmitters and PLCs, with pulses as short as 10 ms.
- Store frequently used test setups for later use.
- Backlight lets you work in poor light.
- Large battery capacity of four AA cells.
- Battery door for easy changes.



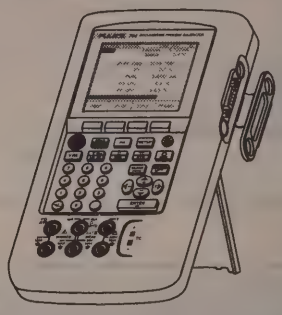
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-725	725	Multifunction Process Calibrator	1795.00
Accessories			
676-TL220	TL220	SureGrip Industrial Test Lead Set	45.00
676-AC72	AC72	Alligator Clip Set	9.00
676-TL71	TL71	Test Lead Set	15.00
676-AC220	AC220	SureGrip Alligator Clips	23.00
676-TL238	TL238	Test Lead Set for High Energy Environments	45.00
676-C125	C125	Soft Meter Case	30.00
676-TPAK	TPAK	ToolPak, Meter Hanging Kit	25.00
676-I1010	I1010	AC/DC Current Clamp (1000 A)	254.00
676-I410	I410	AC/DC Current Clamp (400 A)	154.00

FLUKE 744 DOCUMENTING PROCESS CALIBRATOR - HART

The 744 is a power multifunction documenting calibrator that lets you download procedures, lists, and instructions created with software or upload-data for printing, archiving, and analysis.

Features:

- Contains a powerful built-in HART® interface.
- Measure volts, mA, RTDs, thermocouples, frequency, and ohms to test sensors, transmitters and other instruments.
- Source/simulate volts, mA, thermocouples, RTDs, frequency, ohms, and pressure to calibrate transmitters.
- Power transmitters during test using loop supply with simultaneous mA measurement.
- Measure/source pressure using any of 29 Fluke 700Pxx Pressure Modules.
- Create and run automated as-found/as-left procedures to satisfy quality programs or regulations.
- Record and document results.
- Holds up to a full week of downloaded procedures and calibration results.
- Use many features like autostep, custom units, user entered values during test, one-point and two-point switch testing, square root DP flow testing, programmable measurement delay, etc.
- Easy to use.
- Three year warranty.
- Bright white dual display. Read both sourced and measured parameters simultaneously.
- Multi-lingual interface.
- Rechargeable NiMH battery for 10 hour uninterrupted use. Includes gas gauge.
- Handling of fast pulsed RTD transmitters and PLCs, with pulses as short as 1 ms.
- Delivered with DPC/Track Sample Software.
- Compatible with many Asset Management software packages.



HART Capabilities

The 744 is designed to take on nearly all the day-to-day tasks you now perform with a separate communicator. I fact, it offers the communication capabilities of the 275 HART communicator. Requires no external box or secon tool for everyday HART calibration and maintenance.

Features:

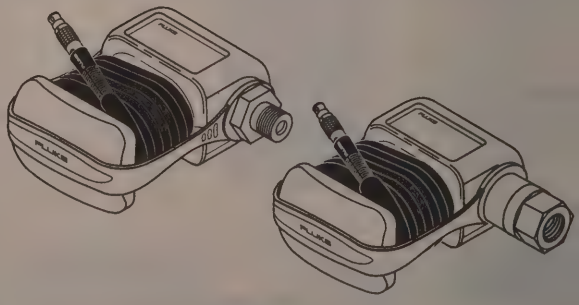
- Offers fast HART communication.
- Supports popular models of HART transmitters, with more devise-specific command support than any other HART field calibrator.
- Works with multiple masters, burst mode, and multi-drop configurations.
- Is easy to update as additional instruments are added and new HART versions are released.
- Interrogate to determine device type, manufacturer, model, tag.
- Reconfigure the sensor mapping of dual sensor temperature transmitters.
- Read HART PV function and smart transmitter digital output while measuring analog mA output.
- Read and write HART configuration functions to make field adjustments to PV range points, damping, and othe top-level configuration settings.
- Re-label smart transmitters by reading and writing to the HART tag field.

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-744	744-120	Documenting Process Calibrator	4995.00
Accessories			
676-AC220	AC220	SureGrip Alligator Clips	23.00
676-C789	C789	Soft Meter Case	80.00

FLUKE PRESSURE MODULES FOR CALIBRATORS

Features:

- Display pressure readings in any of 10 different pressure units you specify in the calibrator setup.
- Rugged urethane molded case protects the module from rough handling and harsh conditions.
- Internal temperature compensation from 0°C to 50°C for full-accuracy performance.
- Includes NIST-traceable calibration certificate.
- Module can be calibrated locally using the Fluke 700PCK Pressure Calibration Kit, a PC, and a precision pressure source.
- One year warranty.



MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-700P05	700P05	Pressure Module, 0-30 PSIG	995.00
676-700P06	700P06	Pressure Module, 0-100 PSIG	995.00
676-700P07	700P07	Pressure Module, 0-500 PSIG	995.00
676-700P27	700P27	Pressure Module, 300 PSIG	995.00
676-700P08	700P08	Pressure Module, 0-30PSIA	1195.00
676-700P09	700P09	Pressure Module, 0-100PSIA	1195.00
676-700PA5	700PA5	Pressure Module, 0-1000 PSIG	995.00
676-700PA6	700PA6	Pressure Module, 1500PSIG	995.00

FLUKE 43B POWER QUALITY ANALYZER

Features:

- Combines the most useful capabilities of a power quality analyzer, multimeter and scope
- Calculates 3-phase power on balanced loads, from a single-phase measurement
- Measures power harmonics, and captures voltage sags, transients and inrush current
- Monitoring functions help track intermittent problems and power system performance
- Menus use familiar electrical terminology
- Toggle through the most commonly used power quality modes with a single keystroke
- Records two selectable parameters for up to 16 days
- 20 measurement memories to save/recall screens and data with cursor readings
- FlukeView® Software can log harmonics and all other reading over time
- FlukeView® Software provides a complete harmonics profile up to the 51st harmonic
- Measures resistance, diode voltage drop, continuity, and capacitance
- Users / applications manual and power quality video to help answer tough questions
- Complete package with voltage probes and 500A current clamp, FlukeView Software and optically isolated interface cable
- 3 year warranty on the Fluke 43B. 1 year on accessories

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
676—43B/003		Power Quality Analyzer	2,239.00
676—TL220		SureGrip Alligator Clips	48.00
676—TLK225		SureGrip Master Accessory Kit	99.00
676—TL224		SureGrip Insulated Test Leads	18.00
676—TL238		Test Lead Set for High Energy Environments	48.00
676—80TK		Thermocouple Module (Type K)	74.00

FLUKE 1550B MEGOHMMETER

Features:

- Test voltages of 250V, 500 V, 1000 V, 2500 V, and 5000 V
- Capable of testing in 50V increments between 250V and 1000V and 100V increments between 1000V and 5000V
- Measures 0 to 1 Tera-Ohm
- Warning voltage function alerts the user that line voltage is present and gives the voltage reading up to 600 V AC or DC
- Guard system eliminates the effect of surface leakage current on high-resistance measurements
- Large digital/analog LCD shows detailed measurement data
- Cable or insulation capacitance
- Leakage current
- Ramp function (0-5000 V DC) for breakdown testing
- Timer 1 to 99 minutes
- Polarization index and dielectric absorption calculated automatically
- 99 memory locations store all measurements parameters
- Includes Quicklink 1550B Software and Optical Interface cable
- Two year warranty

Included Accessories:

- Test leads and low-leakage probes
- Alligator Clips
- Interface adapter and cable
- Quicklink 1550B PC software
- Line cord
- Soft carrying case with waterproof bottom
- User's manual

676—1550B	Digital Insulation Tester	3155.00
676—TL223	Electrical Test Lead Set	45.00
676—TPAK	ToolPak, Meter Hanging Kit	25.00

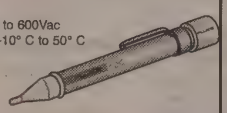
FLUKE VOLTALERT 1AC-A1

Features:

- Fits in a shirt pocket for convenience
- All outer surfaces are non-conductive for safety
- Detects voltage without metallic contact
- Manufactured, printed and packaged in the US
- Locates the hot, neutral and ground terminals in any receptacle

Specifications:

- Operating Range: 90Vac to 600Vac
- Operating Temperature: -10° C to 50° C (14 °F to 122 °F)



676—1AC-A1		22.95

VOLT LIGHT

Non-Contact AC Voltage Detector & LED Flashlight

Features:

- Exclusive dual-sensitivity voltage detector
- Blue light means you're close
- Red light means you're at the source
- Detects voltage from 40 V to 300 V ac
- Comes with a versatile clip

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
676—LVD1		Volt light	22.50

FLUKE T3 ELECTRICAL TESTER

Features:

- Compact and rugged, easily fits into a tool pouch
- Protected to 1000 V for use in CAT III environments, and to 600 V for use in CAT IV environments
- Auto-on light lets you know that it's working
- LEDs clearly indicate 7 AC and 7 DC nominal voltage levels
- DC polarity indicator
- Automatically switches to continuity beeper or voltage measurement mode
- Can stay connected much longer than Solenoid type testers
- Conserves battery power with auto-off feature
- One-year warranty

676—T3	Electrical Tester	60.95
676—T3-1AC	Electrical Tester and 1AC Voltalert Kit	71.95

FLUKE 430 SERIES THREE-PHASE POWER QUALITY ANALYZERS

Features:

- Complete three-phase troubleshooting tool.
- AutoTrend
- System-Monitor
- Four channels: simultaneously measures voltage and current on all three phases and neutral
- Automatic transient display: captures up to 40 dips, swells, interruptions or transients automatically.
- Meets the stringent 600 V CAT IV, 1000 V CAT III safety standard required for measurements at the service entrance.
- Rugged, handheld instrument operates for more than
- 7 hours on included rechargeable NiMH battery pack.
- Menu-driven interface simplifies operation.
- Extensive data analysis possibilities. Cursors and zoom can be used live while taking the measurements, or offline on stored measurement data. The stored measurements can also be transferred to a PC with FlukeView software (included with Fluke 434).
- Complete package includes everything to get started: 4 current clamps, 5 voltages test leads and clips, line adapter/battery charger and hard case.
- Complies with IEC 61000-4-30 measurement standards.
- 3 Year Warranty

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-434/003	434	Power Quality Analyzer 3 phase	4400.00
676-433/003	433	Power Quality Analyzer 3 phase	3600.00
676-I400S	I400S	AC Current Clamp	170.00
676-I400	I400	AC Current Clamp	95.00
676-TLS430	TLS530	Test Lead Set	75.00
676-WC100	WC100	Multi Color Wire Clips	25.00

FLUKE 1520 MEGOHMMETER

Features:

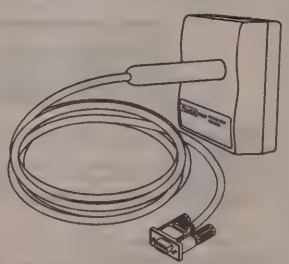
- Large, backlit LCD with analog bar graph and digital display
- Three output voltages for insulation resistance testing: 250V, 500V, 1000V
- Insulation resistance testing up to 4000 MΩ; switches automatically to voltage measurement when voltage is greater than 30V AC or 30V DC
- AC/DC voltage measurement up to 600V
- Lo-Ohms function for testing connections
- Last reading memory display
- 4 C-cell batteries for up to 5,000 tests per EN61557-2, with battery-life indicator and auto shut-off.
- Autodischarge of capacitive voltage charges
- Heavy duty test leads, alligator clips and test probes
- Rugged, splash-proof case with impact-absorbing holster
- 3 year warranty

676—1520		665.00

FLUKE VR101S VOLTAGE EVENT RECORDER

Features:

- The Fluke VR101S is the perfect system for catching sags, swells, transients, outages and frequency variations on line voltage at receptacles, where the most sensitive loads are connected.
- The VR101S is a starter system that includes a compact VR101 event recorder, an optical interface cable, and EventView software that turns your PC into a power quality reporting tool.
- Additional VR101 event recorders can be purchased individually, so you can monitor several voltage conditions at multiple locations at once.



MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-VR101S/003	VR101S	Voltage event recorder system	609.00
676-VR101/003	VR101	Voltage event recorder	505.00

FLUKE T5 VOLTAGE, CONTINUITY AND CURRENT TESTERS

Features:

- Automatically measures volts ac and volts dc with precise digital resolution
- Displays resistance to 1000Ω
- Easy and accurate OpenJaw(TM) current measurement
- Continuity beeper
- Compact design with convenient probe storage
- Rugged enough to withstand a 10-foot (3m) drop
- Detachable SlimReachTM probe tips are customized for national electrical standards
- Test leads accept Fluke accessory test clips
- Available in 600V and 1000V models
- Can stay connected much longer than solenoid type tester
- Auto off mode to conserve battery life
- Optional holster attaches to a belt
- Two-year warranty
- 1 year calibration cycle

600V illustrated

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
676—T5-600		600V General Purpose Electrical Tester	101.95
676—T5-1000		1000V General Purpose Electrical Tester	111.95
676—T5-KIT		Accessory Starter Kit: TP220 Probes, AC285 Alligator Clips, C33 Case	33.00

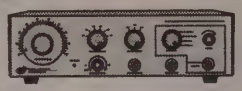
GLOBAL SPECIALTIES Test and Measurement

GLOBAL SPECIALTIES
A DIVISION OF

FUNCTION AND PULSE GENERATORS

2001A Low Cost Function Generator

- Exceptionally low sine wave distortion
- Sine, square, triangle plus TTL outputs
- <1% THD or <1% sine wave distortion
- Sweepable 100:1 with ±10 volts input
- 1Hz to 0.2MHz
- Variable DC offset
- High and low level variable 50 and 600 ohm outputs



Global Specialties P/N 105-2008

510-2001A	$198.00

4001 Digital Pulse Generator 5 MHZ Ultra-variable

- Independent settings of pulse width & spacing
- Outputs from 0.5 Hz to 5 MHz
- Four modes: run, triggered, gated, one-shot
- Symmetrical square wave outputs
- Complement output - inverts waveforms
- Variable output for CMOS circuits

Global Specialties P/N 105-4001

510-4001	$269.95

2030 Function Generator

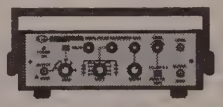
- Frequency range .3Hz to 3Hz in 7 ranges
- Wave forms: sine, square, triangle and ramp TTL and CMOS output
- External voltage controlled frequency (VCF) function
- Duty cycle control with signal inversion capability
- Variable DC offset control
- Two-step (-20dBx2) and variable attenuator
- Built-in 6 digit counter with INT/EXT function up to 150Mhz/high resolution

Global Specialties P/N 105-2030

510-2030	$349.95

4010-10 MHZ Pulse Generator

- Frequency range 0.1Hz to 10MHz
- Fast rate-up to 10MHz
- Eight crystal derived accurate spot frequencies
- Low rise and fall time <10ns
- Variable pulse width
- Adjustable pulse delay
- Manual/External triggering facility
- Normal and inverted output
- Heavy duty metal case with adjustable handle
- 3-Year warranty

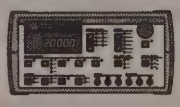


Global Specialties P/N 105-4010N

510-4010	$385.00

Pure Wave Function Generator Series

- Available in 5MHz and 20MHz
- Microprocessor controlled
- Frequency Stability of 0.1%, and total harmonic distortion of less than 1%
- Built-in 5Hz to 30MHz frequency counter with each model
- Units may be controlled remotely via standard RS-232 communications interface
- AM/FM modulation (20MHz version)
- Linear & log sweep (20 MHz versions)
- Burst Mode (20 MHz version)
- Variable duty cycle and DC offset controls



MOUSER STOCK NO.	Global Specialties Part No.	Description	Price Each
510-2105	105-2105	(5 MHZ)	624.95
510-2120	105-2120	(20 MHZ)	849.95

1522 Digital Wattmeter

- Measures true RMS voltage
- True RMS current to 20 amps
- Measures true power to 2,000 watts
- Touch-activated switches
- Large 3.5 digit green LED digital display
- Front and rear outlets
- Powered over range indication
- Rugged case design

Global Specialties P/N 105-1522

510-1522	$575.00

DC POWER SUPPLIES

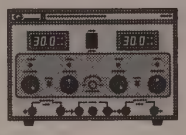
1310/1301A Triple Output Power Supply

- **Model 1310:** Two outputs 1.2 to 20VDC @ .25 amps one fixed output + 5VDC @ 1A
- **Model 1301A:** Two outputs 1.5 to 18VDC @ .5 amps one fixed output +5VDC @ 1A
- Isolated outputs can be combined to double voltage or current
- Ext. short circuit protected variable attenuator

MOUSER STOCK NO.	Global Part No.	Description	Price Each
510-1310	105-1310	1.2-20VDC @ .25 amps	199.00
510-1301A	105-1301	1.5-18VDC @ .5 amps	279.95

1302B Triple Output DC Power Supply

- Triple output, two 0-32V @ 2A and one 5VDC (variable from (4.5VDC to 5.5VDC) @ 5A.
- Isolated, independent supplies.
- Series and parallel operation.
- Short circuit protected
- Two digital readouts - monitor current or voltage.
- Constant voltage or constant current mode with green & red LED indicators
- Heavy duty transformer isolated design

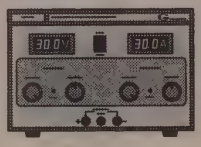


Global Specialties P/N 105-1307

510-1302	$645.00

1332A, 1335, 1337 Single Output DC Power Supplies

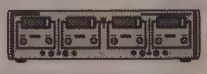
- Continuously variable with coarse and fine controls.
- Model 1332A: 0-32V/ 0-5A
- Model 1335: 0-32V/ 0-3A
- Model 1337: 0-60V/ 0-2.5A
- Short circuit protected.
- Two digital readouts - Monitors current and voltage simultaneously.
- Constant voltage or constant current mode with LED indicators.
- Heavy duty transformer isolated design.



MOUSER STOCK NO.	Global Part No.	Description	Price Each
510-1332A	105-1333	Single range	389.95
510-1335	105-1335	Dual range	365.00
510-1337	105-1337	240V input	385.00

1305 Dual Output 0-32V @ 5AMP Reg. DC Power Supply

- Two cont. variable 0-32VDC @ 5 AMP outputs w/coarse and fine adjust
- Constant voltage (CV) or constant current (CC) operation with LED indicators
- Automatic transition from CV to CC mode at any voltage or current within the range
- Separate front panel 3 digit green LEDs to monitor voltage and current of each output
- Each output is isolated which enable series or parallel operation that extends the output capabilities to either 0-64VDC @ 5 amps or 0-32VDC @ 10 amps
- Remote sensing available on each output
- Automatic overload and short circuit protection
- 115-120 VAC @ 60Hz or 210-220VAC @ 50Hz operation
- Two sets of plug-in test leads with convenient alligator clip connectors
- Heavy-duty design with convenient handles for carrying



Global Specialties P/N 105-1305

510-1305	$970.00

3100 Capacitance Meter

- Large 4 digit LCD display
- Dual display mode one 4 digit and the other 3 digit
- Auto-ranging, 5000 count resolution and wide frequency range: 0.1pF to 50mF
- Ten memories for high/low limit settings even if power is shut off
- Static recording so you will know max, average and min value without calculation
- Relative mode for simple measuring differences between standard and measuring values
- 10 special function modes
- Measures components in-circuit

Global Specialties P/N 105-3100N

510-3100	$141.00

AC POWER SUPPLIES

1510 / 1515 Variable Line AC Sources

- Wide operating frequency range 47-450Hz
- High continuous current outputs:
- Cont. variable outputs of 0 to 130 VAC
- Built-in analog voltmeter and ammeter with 2% full scale accuracy
- Power on/off switch and special output on/off voltage load switch
- Separate input and output fuses for double protection
- Rugged design yet portable with unique adjustable handle

MOUSER STOCK NO.	Global Part No.	Description	Price Each
510-1510	1510	1510: 0-10 Amps Cont.	355.00
510-1515	1515	1515: 0-15 Amps Cont.	399.95

1504, 1505, 1506, Variable Line Supply Series

- Model 1504 single range: 0-150VAC@4A
- Model 1505 dual range: 0-130VAC@4A 0-260VAC@2A
- Model 1506: 240V input, dual range output same as 1505
- Triple isolated continuously variable AC output
- Power line leakage and current measurement facilities
- 3 digit DPM for high accuracy
- Capacitive coupling less than 0.005pF
- Galvanic leakage less than 10μA
- 120dB attenuation for common mode noise

MOUSER STOCK NO.	Global Part No.	Description	Price Each
510-1504	105-1504	Single range	445.00
510-1505	105-1505	Dual range	640.00
510-1506	105-1506	240V input	655.00

1507 Variable AC Line Supply

- Variable isolated AC output from 0 to 150VAC
- Cont. 10 AMP output current to a maximum of 1300VAC
- Variable current adjust
- Two parallel, three prong AC outlets allow the unit to be used for more than one load
- Two 3.5 inch high analog meters: one monitors AC line or output voltage and the other displays output current or leakage
- Leakage indicator and reset switch
- Audible alarm to warn of "hot" chassis or shorts
- Output overload indicator
- AC input fuse protected
- AC output adjustable current
- Relay with manual reset

Global Specialties P/N 105-1507

510-1507	$985.00

3 Output AC Source

- 3 Output Frequency Ranges 50Hz, 60Hz, & 400Hz and variable in each range
- Separate outputs for 115V & 230V for safer operation
- Electronic protection for output overload
- Low Distortion true sine wave output
- 2 meters display output voltage & frequency
- Standard 19" rack mountable

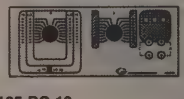
"Shipped Factory Direct"

Global Specialties P/N 105-1550

510-1550	$2825.00

Resistance / Capacitance Circuit Box

- Convenient selection of standard resistors & capacitor value seperately or in series &parallel RC combinations
- 36 resistors ranges in values from 15 Ohms to 10 Mega Ohms, 1 watt 10%
- 18 capacitor ranges in values from 100 picofarads to .22 microfarads, 600 volts 10%
- Perfect for all types of education experiments and circuit designs with Global Specialties Protoboards and Breadboards Design Trainers
- Compact Design
- Black and red test leads with convenient alligator clip connectors



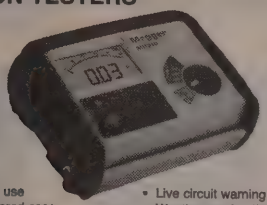
Global Specialties P/N 105-RC-10

510-RC-10	$179.95

Global Specialties

Test Equipment

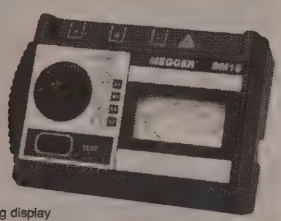
MEGGER MIT300 SERIES HANDHELD INSULATION TESTERS



Features:
- Extremely easy to use
- Tough rubber armored case
- Self contained protective cover
- 3 Year Warranty
- Insulation Resistance to 1000 M ohm
- Live circuit warning
- Weatherproof to IP54
- Intelligent Safety System for protection

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	MIT300	250 & 500V	395.00
840	MIT310A	250, 500, &1000V Analog	460.00
840	MIT310	250, 500, &1000V w/Resistance Range	460.00
840	MIT330	250 & 500V Backlighting	595.00
Accessories			
840	EV6220-779	Test Lead Set	30.00
840	EV6220-781	Remote Probe for MIT320, MIT330	95.00
840	6220-789	Fused Test Lead Set	110.00
840	210835	Soft Fabric Case	45.00

MEGGER MJ15 AND BM15 5-KV INSULATION TESTERS



Features:
- Large, single scale analog display
- Auto voltage measurement function indicates conductor and auto discharge potential
- Supplied with optional locking test button for maximum safety
- Safety recessed terminals and long connectors
- Four output test voltages 500, 1000, 2500, 5KV
- Simple to use and measures to 20 G ohm
- CE marked
- Dual power supply option on MJ15
- Unique scale overlay for pass/fail bands
- Shock mounted analog scale for rugged outdoor use
- Complete with case and leads
- 3 Year Warranty

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	BM15	Battery Powered Tester	1950.00
840	MJ15	Hand-Crank and Battery	2150.00
Accessories			
840	CB101	Calibrated Check Box	480.00
840	EV6320-240	Fused Test Lead Set	155.00
840	EV6420-117	Carrying Case	240.00
840	EV6121-401	Slide-In Pass-Band Overlays	20.00
840	210949	Test Record Card (100 pack)	10.00

MEGGER MEG10-01 10 KV INSULATION TESTER

Features:
- Operates from mains or rechargeable supply
- Realtime data output and on-board storage for subsequent download
- Results displayed as insulation resistance or leakage current
- Integral timer for automatic insulation resistance and polarization index tests
- Integral lead storage
- Ideal for testing motor windings
- Measures insulation resistance to 500 G ohm

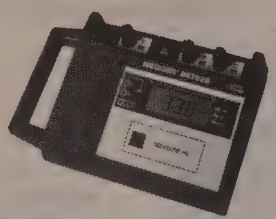
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	MEG10-01	Analog/Digital 10kV Megger	4950.00

MEGGER MAJOR INSULATION TESTER

Features:
- No scale multipliers
- Multiple test voltages for spot and step voltage testing
- Guard terminal to eliminate surface leakage current
- Includes case and 6ft. test leads
- Four test voltages from 100 to 1000 VDC
- Insulation resistance to 2000 M ohm
- Hand-cranked power source

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	212159	Hand-Crank Analog	895.00
Accessories			
840	210949	Test Record Card (100 pack)	10.00

MEGGER GROUND RESISTANCE TESTER



Features:
- Simple, fully automatic operation
- Three terminal measurement for ground electrode testing
- Superior noise rejection to 40 V
- High tolerance to spike resistance
- Weatherproof case, protection to IP54
- Optional carrying case, test probes and lead kits

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	DET62D	3 Terminal Ground Resistance Tester	650.00
Accessories			
840	250581	Deluxe Kit	345.00
840	250586	Soil Resistivity Kit	485.00
840	EV6420-103	Hard Case	155.00

MEGGER DET5/4D AND DET5/4R FOUR TERMINAL GROUND TESTERS

Features:
- Simple to use, one touch operation
- Auto switch off to save battery power
- Rugged, weatherproof case
- Large, clear LCD
- Noise rejection to 40 V
- Indicators show if reading may be invalid
- 4 terminal measurements for soil resistivity and 3 terminals for ground resistance testing.
- Earth testing kits available
- Optional carrying case, test probes and lead kits.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	DET5/4D	Digital Earth Tester	1650.00
840	DET5/4R	Digital Earth Tester Recharge	1850.00
Accessories			
840	250581	Deluxe Kit	345.00
840	250586	Soil Resistivity Kit	485.00
840	EV6420-103	Hard Case	155.00

MEGGER DET10C AND DET20C GROUND RESISTANCE CLAMP TESTERS

Features:
- Easy, fast clamp-on operation
- Large LCD display screen
- Direct reading of continuity and ground loop resistance
- Measures ground resistance from 0.025 ohm to 1550 ohm
- Measures ground leakage current from 0.2mA to 35A
- Auto ranging with high and low alarms
- Automatic self calibration
- Hold function for difficult to reach installations
- Auto-off to save on battery power
- Extensive data storage and RS232 data download for later analysis (DET20C)
- Includes hard case and calibration loop

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	DET10C	Earth/Ground Resist. Clamp	1550.00
840	DET20C	Earth/Ground Resist. Clamp	1750.00

MEGGER MMC850 MULTI-CONDUCTOR AC DIGITAL CLAMPMETER

The new MMC850 offers a unique solution to current measurement in multiconductor cables without the need to split cables. The MMC850 is simply clamped to a multi-conductor cable and the current flowing is then read up to 100A.

Features:
- Single or multiple conductor measurement
- Flat or round selection cables
- Backlit display
- Cable centralizing clamp
- Measures single conductors to 200A

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	MMC850	Multi Conductor Clamp	244.00

MEGGER DCM1000P DIGITAL POWER CLAMPMETER

Features:
- Performs seven basic power measurements
- Max current range 1000A
- Clamp on for measurement, no need to break the circuit
- Optional software for logging or trend analysis
- True RMS, AC, DC and AC + DC
- Direct measurement of balanced 3-phase power
- Includes carrying case

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	DCM1000P	Digital Power Clampmeter	680.00
Accessories			
840	EV6220-633	PowerLog Software	149.00

MEGGER DCM2000P POWER CLAMPMETER

Features:
- W, VA, VAR, kWH and power factor measurement even on distorted waveforms
- Max current range 2000A
- True RMS, peak crest factor, total harmonic distortion, distortion factor, frequency measurement, and DC ripple
- 3 Phase power capability
- Live harmonic analysis, bar graph display
- Simultaneous display of multiple parameters plus waveform and chart displays
- Internal logging of five parameters with 5000 readings
- Real-time logging or download to optional PowerLog software
- Includes carrying case

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	DCM2000P	Power Clampmeter	1290.00
Accessories			
840	EV6220-633	PowerLog Software	149.00

MEGGER Test Equipment

Megger

MEGGER TDR900 HAND-HELD TIME DOMAIN REFLECTOMETER/CABLE LENGTH METER

Features:
- Full autoaranging for measuring the length of power, telephony, CATV and LAN cables, provides distance to an open or short
- Extra large, high resolution backlit LCD
- Automatic output impedance control of 25, 50, 75, 100, 125 or 150 ohms.
- Maximum range: 12,000 ft.
- User-friendly menu on screen operation
- Cable length calibration function
- Internal library of 39 standard cable types

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	TDR900	Hand-held TDR	350.00

MEGGER CFL510 HAND-HELD TIME DOMAIN REFLECTOMETER

Features:
- Backlit graphics monochrome LCD (128x64)
- Adjustable display contrast
- Resolution to 0.1 m
- For use on Telecom Tn V-3 circuit, or 300V CAT III power circuits
- Power blocking filter not required
- Environmental protection to IP54
- User selectable output impedance 25, 50, 75, and 100 ohms
- 'TX null' adjustment for near end fault location
- Range, gain and cursor automatically adjusted to find event on press of a button
- Display distance in meters or feet up to 9,000 ft.
- Uses six AA (6LR61) primary cells

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	655510F	Hand-held TDR	1475.00

MEGGER CFL800E HAND-HELD CABLE FAULT LOCATING AND VERIFICATION TESTER

Features:
- 0-10,000 ft. TDR measurement ranges
- Multi-function tests as a Voltmeter, Ohmmeter, Insulation Tester and TDR (Time Domain Reflectometer)
- Automatic resistance bridge with measurement range up to 300,000 ft. (100 km)
- Suitable for power, telecom, coaxial, and datacom cables
- Dust and waterproof to IP54
- Three-year warranty
- Uses standard AA cells

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	655800E	Hand-held TDR	2100.00

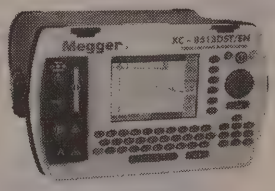
MEGGER CLF535F GENERAL PURPOSE TIME DOMAIN REFLECTOMETER (TDR)

Features:
- 20 km range-at-VF = 0.90
- Maximum range: 48,000 ft.
- Monochrome or color display options
- Primary cell or rechargeable options
- Large back lit LCD Display
- Dual cursor measurement
- Intermittent fault location
- Output pulse amplitude and width control
- "TX Null" technology
- No blocking filter required
- Trace Master PC software included
- 15 memory trace storage
- Dual input and output ports
- 15 internal memory positions
- RS-232 interface to a PC or printer (included software)
- Help menu
- 5 user selectable pulse widths per range
- Trace averaging
- 3 Year Warranty

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	655535F	Monochrome primary cell	2795.00
840	655535FM	Monochrome rechargeable	2895.00
840	655535FR	Color rechargeable	2995.00

MEGGER XC8513 DUAL WAVE LENGTH CROSSCHECKING REFLECTOMETER

"Factory Drop Ship"



The XC-8513 is a new concept in the evolution of Optical Time-Domain Reflectometers (OTDRs). It has been designed specifically with the requirements of the premise datacom installer in mind. In this application many of the features associated with complex telecommunication OTDRs are not appropriate and new features are desirable.

Features:
- Designed specifically for multimode premise datacom fibers
- Quick and easy to set up and use with a range of conveniently packaged patchcords
- Operates at 850 nm and 1300 nm
- Optional mode conditioning boxes available
- Pinpoints faults to within 0.5 m
- >16dB dynamic range at 850 nm
- Brilliant high resolution color display
- Slash proof, dust proof and rugged
- Travel bag included

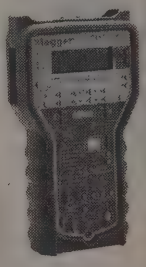
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	XC8513DSR	LAN OTDR	8495.00

MEGGER 20T1 HAND-HELD T1 (DS0/DS1) NETWORK TESTER

Features:
- Complete in-service or out-of-service testing
- Continuous testing of up to 8 hours respectively
- End-to-end T1 span testing with the most common industry standard loop codes
- Performs BERT on one of 17 standard stress patterns and two user-definable 32-bit patterns
- Determines T1 framing and BERT patterns
- User-friendly interface with no training necessary
- Truly portable field test set, ideal for outside plant applications
- Includes case and 12 VDC charger
- 3-year warranty

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	20T1	T1 Tester	2695.0

MEGGER BERT 20E1 2.048 MBPS NETWORK TESTER



Features:
- Complete in-service or out-of-service testing
- Continuous testing of up to 8 hours respectively
- Automatically recognizes and indicates received BERT patter, Framing format and AMI or HDB3 Line coding
- Displays all major 2.048 Mbps Network performance standards
- User friendly interface simplifies operation
- Includes case and 12 VDC charger

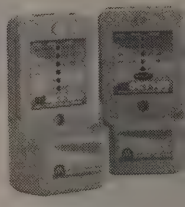
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	20E1	2.048Mbps network tester	2795.0

MEGGER CXT100 COAXIAL CABLE TESTER

Features:
- Indicates all types of coaxial cable faults
- Indicates at which end of cable the fault is present
- Automatic power up/down
- Automatic test repetition every 200 ms
- Ultra low battery consumption

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	CXT100	Coaxial cable tester	55.0

MEGGER SCT100 STRUCTURED CABLING TESTER



Features:
- Fault indication on main and remote units
- Tests TIA568A/B, USOC, ISO11801 and EN50173 configured networks
- Automatic testing of screen on Shielded Twisted Pair (STP) cables
- Magnetic locking of main and remote units when not in use
- Automatic power on/off
- Continuously sequencing LED

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
840	SCT100	Structured cable tester	125.
Accessories			
840	EV8101-127	Tool belt pouch	35.

MEGGER DLRO10 AND DLRO10X DIGITAL LOW RESISTANCE OHMMETERS

Features:
- Accurate results in under three seconds
- Auto current reversal cancels standing emfs
- Fuse protected to 600 V
- NiMH battery reduces weight
- 250 mW power limit (with optional override) to avoid heating the test sample
- Automatically detects continuity in potential and current connections
- Visible warning of high voltages present at the terminals
- Visible warning of current flowing in the test sample
- Multiple operating modes including fully automatic
- Alpha-numeric keypad for entering test notes (DLRO10X)
- User setable high and low limits (DLRO 10X)
- Autoranging with manual option (DLRO 10X)
- Printer output and memory (DLRO 10X)
- Supplied complete with 4 ft. duplex test leads

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
840—DLRO10		10 Amp DLRO	2770.00
840—DLRO10X		Enhanced 10 Amp DLRO	3370.00

MEGGER DLRO200-115E NEW DIGITAL LOW RESISTANCE OHMMETER

"Factory Drop Ship"

Features:
- Small and weighs less than 32 lbs. (15kg)
- Test currents from 10 A to 200 A DC
- Filtered direct current output eliminates magnetic transients
- 0.1 μO best resolution
- On board memory for up to 300 test results and notes
- RS232 port to download stored results or for real time output to a printer
- Supplied complete with 16 ft. (5m) test leads and download software
- Ideal for testing circuit breaker contacts

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
840—DLRO200-115E		200 Amp DLRO	5000.00

MEGGER BITE3 BATTERY IMPEDANCE TEST EQUIPMENT

"Factory Drop Ship"

Features:
- Determines health of lead-acid cells up to 2000 Ah
- On-line testing with Pass/Warning/Fail calculations
- Measures impedance, interconnection resistance and cell voltage
- Windows CE operating system with 32 MB of memory
- Measures float and ripple currents
- Supplied with ProActive software, canvas carrying case, RS232 modem cable, dual point test leads (7 ft.), line charger and spare test lead tips

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
840—BITE-3		BITE 3 Tester	5830.00

MEGGER MLS635 VISIBLE LIGHT SOURCE

Features:
- 635 nm high intensity laser source
- 9 times brighter than conventional 670 nm units
- Visual location of faults in patch panels, trays, etc.
- Simple identification of fiber breaks
- Suitable for Single- or Multi-mode fibre
- Exceptional battery life
- Ruggedized waterproof housing to IP54
- 3-year warranty
- Dry cell or rechargeable operation
- Rechargeable cells charged within product
- Supplied with FC connector

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
840—MLS635		Visible Light Source	650.00

MEGGER MLS1000 MULTI-MODE LIGHT SOURCE AND MLS2000 SINGLE MODE STABILIZED LASER SOURCE

Features:
- 850 and 1300 nm LED source (MLS1000)
- 1310 nm and 1550 nm Dual Laser Source (MLS2000)
- High stability output
- Ultra fast laser stabilization (MLS2000)
- Temperature compensated
- Continuous and modulated outputs
- Exceptional battery life
- Ruggedized waterproof housing to IP54
- 3-year warranty
- Dry cell or rechargeable operation
- rechargeable cells charged within product
- MLS1000 supplied with ST connector
- MLS2000 supplied with FC connector

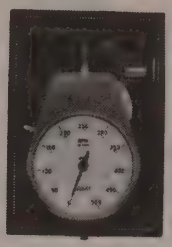
MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
840—MLS1000		Multimode Light Source	690.00
840—MLS2000		Single Mode Light Source	1600.00

MEGGER MPM1000 MULTI-MODE POWER METER AND MPM2000 SINGLE MODE POWER METER

Features:
- 850, 1300 and 1550 nm germanium detector (MPM1000)
- 850, 1300, 1310 and 1550 nm germanium detector (MPM2000)
- High-power CATV version (MM2000H)
- Wide dynamic range
- dBm and dBrel (relative) measurement modes
- Automatic power down
- Power down override during dBrel measurements
- High-power CATV version (MPM2000H)
- dBrel setting retained during power down
- Exceptional battery life
- Ruggedized waterproof housing to IP54
- 3-year warranty
- Dry cell or rechargeable operation
- Rechargeable cells charged within product
- Connectors are an available option

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
840—MPM1000		Multi Mode Power Meter	450.00
840—MPM2000		Single Mode Power Meter	960.00
840—MPM2000H		High Powered Power Meter	1000.00

MEGGER EDDY-CURRENT ANALOG HAND TACHOMETERS

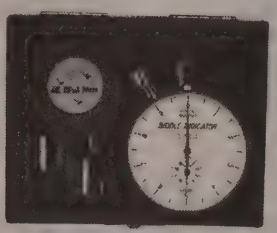


The Eddy-Current Type Analog Hand Tachometers are precise and capable of providing instantaneous measurement readings with steady pointer movement. As shown in the photograph, the range selection switch is conveniently located for thumb use, while the stop button has been positioned for finger operation.

Features:
- Large, easy-to-read analog dial
- Rugged, heavy-duty design
- Pointer driven by magnetic eddy current; no gear drag

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
840—350456		0 to 200/2000/20,000	675.00
840—350457		0 to 500/5000/50,000	675.00

MEGGER SPEED INDICATOR CHRONOMETRIC TYPE SPEED INDICATORS

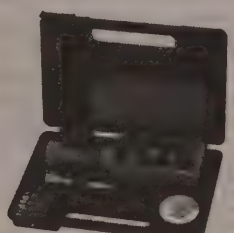


The Chronometric Type Indicators are contact style instruments that measure the average number of revolutions per minute. After a short interval of 3 or 6 seconds of testing time, the pointers automatically stop at positions which indicate the measured speed.

Features:
- All mechanical, precision Swiss-watch design
- No electrical field interference
- No batteries needed

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
840—359911		0 to 100 RPM	500.00
840—359920		0 to 10,000 RPM	550.00

MEGGER DIGITAL PHOTOELECTRIC TACHOMETERS WITH ADAPTER

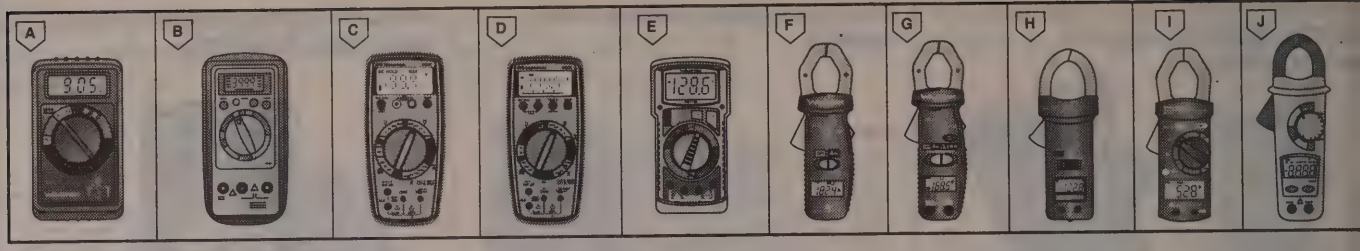


Features:
- Dual photo and contact measurement
- Read directly in rpm, feet per minute or meters per minute
- Rugged design
- High accuracy

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
840—359987		Digital Photoelectric Tachometer	355.00

METERMAN Test Equipment

Meterman



METERMAN DIGITAL MULTIMETERS

MOUSER STOCK NO. Mfr. Part Number	Fig.	DCV Accuracy %	Ranging	Display LCD	Volts AC/DC	Current	Resistance Ohms	Battery Test	Cap	Frequency	Safety Rating CAT III	Diode/ Continuity	Temp.	Warranty	Price Each
569—DM7	A	1.5	Manual	2000	600/600	250mA	2M	Yes	No	No	No	Yes	No	1 Year	27.95
569—DM2	A	1.5	Manual	2000	500/1000	20mA	20M	No	No	No	No	Yes	No	1 Year	29.95
569—DM9	A	1.5	Auto	4000	600/600	10A	40M	Yes	No	No	No	Yes	No	1 Year	39.95
569—5XP	B	1.0	Manual	2000	750/1000	200mA	20M	Yes	No	No	300V	Yes	No	1 Year	39.95
569—15XP	B	0.5	Auto	2000	750/1000	2A	20M	No	No	Yes	300V	Yes	No	1 Year	59.95
569—30XR	C	1.0	Auto	6000	600/600	10A	20M	Yes	No	No	300V	Yes	No	1 Year	59.95
569—35XP	B	0.5	Auto	4000	750/1000	-2A	40M	No	Yes	Yes	300V	Yes	Yes	1 Year	79.95
569—33XR	D	0.7	Manual	6000	750/1000	10A	4M	No	Yes	Yes	600V	Yes	Yes	1 Year	89.95
569—34XR	D	0.5	Auto	6000	750/1000	10A	40M	No	Yes	Yes	600V	Yes	Yes	3 Years	109.95
569—37XR	D	0.1	Auto	10000	750/1000	10A	40M	No	Yes	Yes	600V	No	No	3 Years	129.95
569—38XR	D	0.25	Auto	10000	750/1000	10A	40M	No	Yes	Yes	1000V	Yes	Yes	3 Years	149.95
569—HD110B	E	0.1	Manual	2000	1000/1500	20A	20M	No	No	No	1000V	Yes	No	1 Year	169.95
569—HD115B	E	0.1	Manual	2000	1000/1500	20A	20M	No	Yes	No	1000V	Yes	No	1 Year	199.95
569—HD160B	E	0.1	Auto	10000	1000/1500	10A	40M	No	No	No	1000V	Yes	No	1 Year	229.95

METERMAN CLAMP METERS

MOUSER STOCK NO. Mfr. Part Number	Fig.	DCV Accuracy %	Ranging	Display LCD	Volts AC/DC	Current AC/DC	Resistance Ohms	Data Hold	Diode Test	Frequency	Safety Rating CAT III	Auto Off	Temp.	Warranty	Price Each
569—AD40A	F	1.9	Auto	4000	No	400A/-	No	Yes	No	No	600V	Yes	No	1 Year	59.95
569—AC40A	G	1.0	Auto	4000	600/600	400A/-	400	Yes	No	No	600V	Yes	No	1 Year	79.95
569—AC60	H	1.2	Auto	4000	600VAC	600A/-	40k	Yes	No	No	300V	Yes	No	1 Year	99.95
569—AC75	J	0.9	Auto	4000	600/600	600A/4mA	40M	Yes	Yes	No	600V	Yes	Yes	1 Year	129.95
569—AC65	H	1.2	Auto	4000	600VAC	600A/-	40k	Yes	No	No	300V	Yes	No	1 Year	139.95
569—AC68	I	0.75	Auto	4000	600/600	600A/600A	4k	Yes	Yes	Yes	300V	Yes	No	1 Year	199.95

METERMAN ACCESSORIES

MOUSER STOCK NO. Mfr. Part Number	Description	Compatible with	Price Each
569—VC30	Padded vinyl carrying case, velcro closure	DM7, DM9, 5XP, 15XP, 35XP, AC40, AD40, LCR55(without holster)	14.95
569—VC221A	Padded vinyl carrying case, velcro closure	30XR, 33XR, 34XR, 37XR, 38XR, HD110B, HD115B, HD160B, CR50, LLR55	15.95
569—DL243C	Basic test lead set	DM7, 5XP, 15XP, 30XR, 35XP, 33XR, 34XR, 37XR, 38XR, HD110B, HD115B, HD160B	34.95
569—TL36	Standard test lead set	DM7, 5XP, 15XP, 30XR, 35XP, 33XR, 34XR, 37XR, 38XR, HD110B, HD115B, HD160B	11.95
569—DC205B	Deluxe case	HD110B, HD115B, HD160B	

POMONA ACCESSORY ADD-ONS

See the Pomona pages in this section for more accessories.

565—6147	Case	30XR, DM35XL, 33XR, 34XR, 37XR, 38XR, HD110B, HD115B, HD160B, AC40A, AC60, AC65, AC68	27.95
565—5519	Replacement Leads	HD110B, HD115B, HD160B, AC40A, AC60, AC65, AC68, 30XR, 33XR,	10.25
565—6723	Replacement Leads	34XR, 37XR, 38XR	28.88
565—6342	Enhanced Leads	37XR, 38XR	17.24
565—6275	Enhanced Leads	37XR, 38XR	15.12
565—5898	Enhanced Leads	HD110B, HD115B, HD160B	10.77
565—5673B	Test Lead Kits	33XR, 34XR, 37XR	47.62
565—5674B	Test Lead Kits	37XR	91.11
565—5904	Test Lead Kits	38XR	93.18

METERMAN PEN-TYPE DMM FOR FIELD SERVICE

Model DM73B

Specifications:

- 600 VAC and 600 VDC ranges
- Improved dc basic accuracy 0.5%
- CAT III 300V safety rated
- CAT II 600V safety rated
- Overload Protection

Features:

- Resistance to 34MΩ
- Continuity beeper
- Includes alligator clip ground test lead and spare probe tip (1/2" and 3" probe tips)
- 3400 count digital display plus analog bargraph
- Auto power off
- UL 3111-1 approved, meets EN61010-1
- One Year Warranty

569—DM73B	Pen-Type DMM	49.0
569—VC11	Vinyl Carry Case	4.9

METERMAN ELECTRICAL COMBO KIT WITH CARRY CASE

Model DM73B, Pen Probe Style Digital Multimeter

Features:

- 600 VAC and 600 VDC ranges
- Cat III 300 V safety rated
- Cat II 600 V safety rated
- Improved dc basic accuracy 0.5%
- Resistance to 34 MΩ
- Continuity beeper
- Includes alligator clip, ground test lead, spare probe tip and installed batteries
- 3400-count digital display plus analog bargraph
- Auto power off
- UL 3111-1 listed N10140

Model AD40A, 400A AC Digital Ammeter

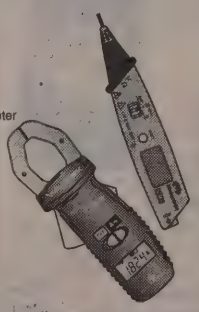
Features:

- Low-cost, small size digital ammeter
- 400 A AC range
- 4000-count display with bargraph
- Autoranging w/ Data Hold
- Auto-off
- CAT III 600 V rated

VC221A, Padded Vinyl Carry Case

Features:

- Inside pocket and elastic strap
- Zipper closure
- Belt loop with snap



569—AD40A/DM73B	AD40A/DM73B with Carry Case	99.95

METERMAN COMPONENT TESTERS

Model CR50

Features:

- Sort, match, QC inspect, and verify components, check circuits with this full range capacitance and resistance meter
- Dual zero adjustment pots to null strays and test leads
- Special "Low Ohms: range
- Oversized, read-at-a-glance display
- Premium test leads with alligator clips
- Resistance: 0.01Ω-20 MΩ, ±1.0%
- Capacitance: 0.1 pF-20,000 μF, ±0.5%
- Diode and Continuity Test
- "Zero Adjust" Pots for low Ohms and Capacitance Ranges
- Low Battery Indication
- One Year Warranty

Model LCR55

Features:

- The ultimate component checker, measures inductance, capacitance, resistance, transistors, diodes and microwave diodes
- Plugin test slots and test leads
- Oversized, read-at-a-glance display
- Data hold and max hold
- Auto-Power Off: after 60 minutes after no function orange change
- Resistance: 0.0Ω-20 MΩ, ±0.5%
- Capacitance: 0.1pF -2000 μF, ±1.0%
- Inductance: 0.1 μH-200 H, ±5.0%
- Transistors: Hfe, Iceo (NPN, PNP)
- Diodes: Std(3 V) & Microwave Oven(8 V)
- Contnuity Test
- "Zero Adjust" Pot for Ohms
- Low Battery Indication
- One Year Warranty

569—CR50	Capacitance and Resistance Meter	79.9
569—LCR55	Component Tester	179.9

METERMAN SHORT FINDER BRUSH

Model SF10

Features:
- Fastest method of finding shorts and continuity on PCBs
- Patented circuitry saves time with rapid testing for shorts
- Excellent point-to-point continuity testing
- Ergonomic and portable design
- Low-test voltage protects sensitive circuitry and eliminates false indications
- Test lead, batteries, owner's manual included
- One Year Warranty

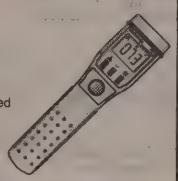
Specifications:
- Output Voltage: 0.5vDC
- Max Current: 100uA
- Continuity Threshold: 10 Ohms
- Battery Type: 2 AAA batteries
- Brush Material: Stainless steel
- Dimensions: 8.4" (L) x 1.3" (W) x 1"

MOUSER STOCK NO.	Description	Price Each
569—SF10	Short Finder Brush	39.95

METERMAN INFRARED THERMOMETER

Model IR610

Features:
- Portable, compact-sized
- simple one-hand operation
- Laser pointer for accurate targeting
- Measures to 500°F (260°C)
- Data hold, battery indicator, auto power off
- Large 3-1/2 digit backlight display
- Shipped with carrying case
- 4 AAA Batteries and operator's guide included
- Certified to meet CE EN60825 Class II for laser safety
- One Year Warranty



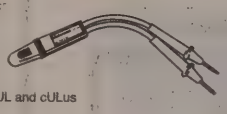
MOUSER STOCK NO.	Description	Dimensions			Wt.	Price Each
		W	L	H		
569—IR610	Infrared Thermometer	2.5"	7.3"	12"	1LB	89.95

METERMAN ELECTRICAL TESTERS

Voltage Testers

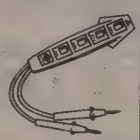
Model VT101 Features:
- Bright neon light indicates AC voltage
- Identify AC voltage from 80-500 Vac
- No battery needed
- Tests 2 wire and 3 wire AC outlets
- 90 Day warranty

Specifications:
- Frequency:50/60 Hz
- Current: 0.3 mA
- Wattage: .15W
- Indicator Lamp: red neon
- Safety Agency Approvals: UL and cULus



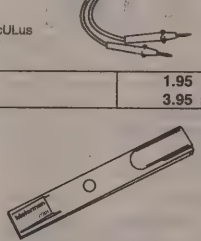
Model VT102 Features:
- 4 Bright neon lights indicate AC voltage
- 4 Ranges indicated from 110V to 460 VAC
- No battery needed
- Tests 2 wire and 3 wire AC outlets
- 90 Day warranty

Specifications:
- Voltage Ranges: 110V, 220V, 277V, 460VAC
- Frequency: 50/60 Hz
- Current: 1.3mA
- Wattage: 0.6W
- Indicator Lamps: four red neon
- Safety agency Approvals: UL and cULus



569—VT101	VT101 Voltage Tester	1.95
569—VT102	VT102 Voltage Tester	3.95

Non-Contact Voltage Detector, Model VT201



Features:
Quickly check for the presence of AC voltages, with no electrical contact
Safe non-contact detection of voltages from 70 V to 440 VAC
Both visible and audible indicators
Bright flashing LED also indicates presence of AC voltage
No direct electrical contact necessary
90 Day warranty

Specifications:
- Frequency:50/60 HZ
- Operating Distance: Approx 2 in. (5cm)
- Actuator: black pushbutton
- Visible Red LED
- Audible Beeper that increases in frequency as proximity to voltage increases
- Safety Agency Approvals: UL and cULus

569—VT201	Non-Contact Voltage Detector	9.95

Socket Testers

Model ST101 Features:
Fast, easy socket test
Easy to read light indicators
Confirm proper wiring and operation of AC socket
GFI circuit trips to confirm tester is working
For use on 110-125 VAC
90 Day warranty

Specifications:
- Wattage:0.3 W
- Indicator Lamps: three, incandescent
- Lamp Lens Colors: one red, two amber
- Six Conditions Indicated: Open ground, open neutral, open hot, hot/ground reverse, hot/ neutral reverse, correct
- Safety Agency Approvals: UL and cULus

Model ST102 Features:
Test GFI breakers for proper wiring and operation
Easy to read light indicators show common wiring problems
Confirm GFI socket is wired for protection
GFI circuit trips to confirm tester is working
for use on 110-125 VAC
90 Day warranty

Specifications:
- Wattage: 0.3 W
- Actuator: Black button
- Indicator: Red LED
- Indicator Lamps: three, incandescent
- Lamp Lens Colors: one red, two amber
- Six Conditions Indicated: open ground, open neutral, open hot, hot/ground reverse, hot/ neutral reverse, correct
- Safety Agency Approvals: UL and cULus

569—ST101	ST101 Socket Tester	4.95
569—ST102	ST102 GFCI Socket Tester	8.95

METERMAN LOGIC PROBES

Model LP10A

Features:
- Detects logic levels as narrow as 30ns @ up to 20MHz
- Switch selectable TTl or CMOS
- Signal input protected ±220VAC/DC for 15 seconds
- Input impedance 1M.
- Pulse memory
- Power supply current: 30mA @5V and 80mA @ 15V

569—LP10A	19.95

Model LP25A

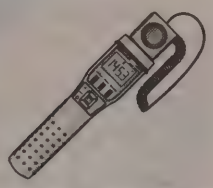
Features:
- Detects logic levels as narrow as 30ns @ up to 25MHz
- Switch selectable TTL or CMOS
- Measures TTl, DTL, RTL, CMOS, NMOS, & MOS
- Audible tone at pulse rate
- Pulse memory
- Power supply current: 40mA @ 5V and 90mA @ 15V

569—LP25A	39.95

METERMAN DIGITAL LIGHT METER

Model LM631

Features:
- Portable, compact-sized
- Simple one-hand operation
- Resolution of 0.01 fc/lux up to 20,000
- Peak hold and data hold
- Large, 3-1/2 digit display with backlight feature
- 45" attached cord for flexibility
- Built in CIE spectrum curve for accurate human eye response
- Meets CE EN61326-1 certification for safety ratings
- Carry case, lens cover, batteries and manual included
- One Year Warranty



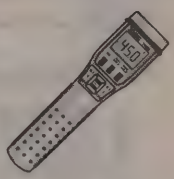
MOUSER STOCK NO.	Description	Dimensions			Wt.	Price Each
		W	L	H		
569—LM631	Digital Light Meter	2.5"	7.5"	12.5"	1LB	99.95

METERMAN TEMPERATURE TESTER

Model TM45

Features:
- Ideal for HVAC/R contractor, plant maintenance, commercial building service
- Unique, new mini-stick design thermometer
- Small, go-anywhere size
- °F/°C and 1°/0.1° selectable
- **General Purpose Bead Probe: 200°C to 392°F
- Data and max hold
- TP 255 Probe and carry case with belt loop included
- One Year Warranty

Specifications:
- 1°F Range: -58 to 1999; 0.3% 2°F
- 0.1°F Range: -58.0 to 199.9; 0.3% 2°F
- 1°C Range: -50 to 1300; 0.3% 1°C
- 0.1°C Range: -50.0 to 199.9; 0.3% 1°C



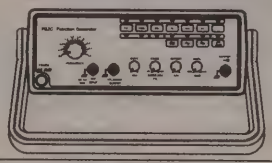
MOUSER STOCK NO.	Description	Price Each
569—TM45	3-1/2 Digit Thermometer, Stick Style	79.95

METERMAN BENCH METERS

Model FG2C

Features:
- 3MHz function generator
- High feature, low cost
- Square, Triangle, Sine Waves, TTL and CMOS Pulse Outputs
- Easy push-button selection for power, range and waveform
- Square, Triangle, Sine Waves, and TL/CMOS outputs
- Duty cycle and DC offset control VCF input
- Includes test cables and spare fuses
- One Year Warranty

Specifications:
- Range: 0.3 Hz to 3 MHz, ±5% of full-scale (7 ranges)
- Main Output: >20 Vp-p open circuit, >10 Vp-p into 50 W load
- Variable DC Offset Control: -10 V to +10 V (open)/-5 V to +5 V (50 W load)
- Duty Cycle: 80% : 20% : 80% Cont.
- Variable VCF Input: (0 V to ±10 V) ±1 V input for 100: 1 ratio Input Impedance: 10 kW ±10%

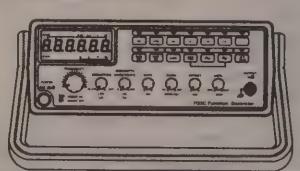


MOUSER STOCK NO.	Description	Price Each
569—FG2C-U	3MHz Function Generator	259.95

Model FG3C

Features:
- 3 MHz sweep/function generator
- Built-in, 6 digit display 150 Mhz frequency counter
- Square, triangle, sine wave and TTl/CMOS outputs
- Amplitude or frequency modulation
- Linear and logorithmic sweep modes
- Duty cycle, VCF and DC offset control
- Includes test cables and spare fuses
- 6 digit LED display
- One Year Warranty

Specifications:
- Range: 0.3 Hz to 3 MHz, ±5% of full-scale (7 ranges)
- Main Output: 0.3 Hz-3.0 MHz, >20 Vp-p open circuit, >10 Vp-p into a 50 W load
- DC Offset Control: -10 V to +10 V (Open)/ -5 V to +5 V (50 W load)
- Duty Cycle: 1:1 to 10:1
- Continuously Variable VCF Input: (0 V to ±10 V) ±1 V input for 100:1ratio
- Input Impedance: 10 kW, ±5%



MOUSER STOCK NO.	Description	Price Each
569—FG3C-U	3MHz Sweep/Function Generator	499.00

Pomona Accessory Add-ons

See the Pomona pages in this section for more accessories.

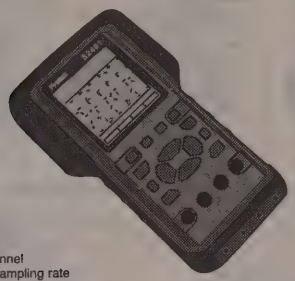
MOUSER STOCK NO.	Description	Compatible With	Price Each
565—4531-C-36	BNC to Alligator Clip	FG2C, FG3C	14.79

PROTEK Test Equipment

Protek

PROTEK OSCILLOSCOPES

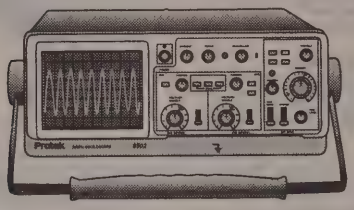
50Ms/S 1MHz Hand-Held DSO



Features:
- Dual Channel
- 50MS/s sampling rate
- 1mV/Div Vertical sensitivity
- Auto ranging Vertical and Horizontal scales
- Built-in auto/manual ranging 4000 count DMM
- DC to 1MHz bandwidth
- Hand held and battery operated
- Designed to UL3111, CSA C22.2 No 1010 standards
- RS-232 Port and supplied software
- U508-friendly front panel

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—S2401		1MHz Scope Meter	325.00
508—S2405		5MHz Scope Meter	399.00

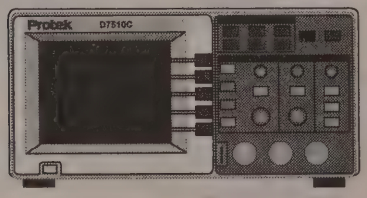
20MHz Dual Trace Oscilloscope with Alt-Mag



Features:
- 20MHz Bandwidth
- Alt-Mag sweep for simultaneous display of main and X5 magnified trace
- 1mV/Div Vertical sensitivity
- Alternate trigger for a stable display of unrelated signals
- X5 Sweep Magnification
- Large 6 inch CRT with internal graticule, for parallax free measurements
- Autofocus
- Internal Sync separator circuit for stable triggering on video signals
- Lightweight with low power consumption
- Supplied with 2 (X1, X10) probes and operating manual

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—6502		20MHz Oscilloscope	449.00
508—PP80		DC to 60MHz, X1/X10 Probe	20.00
508—PP150		DC to 100MHz, X10 Probe	32.00

100MHz/S Digital Storage Oscilloscope

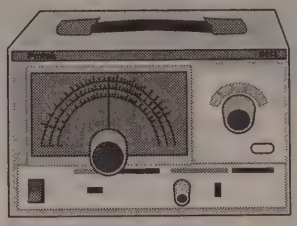


Features:
- 100MHz Analog bandwidth
- 100Ms/S real time sampling rate and 10GS/s Equivalent time sampling
- 16K record length for each channel
- Ultra zoom for viewing waveform details
- FFT function
- High resolution 320 x 240 Pixel Monochrome LCD display
- Optional 256 Color VGA LCD display
- Optional extension module for RS232 and GPIB interfaces with ultra zoom software
- Automatic waveform measurements
- Auto-setup and auto calibration
- 5 waveforms and setups may be stored in memory

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—D7510C		Color Digital Storage Scope	1314.00

PROTEK GENERATORS

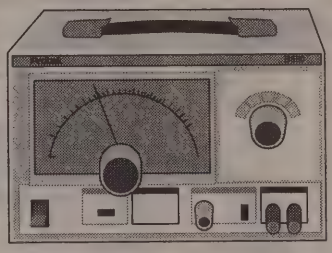
100KHz to 150MHz RF Signal Generator



Features:
- 100KHz to 150MHz Frequency range
- Output to 450MHz is possible using the 3rd harmonic
- Two position attenuator plus fine control for setting output voltage levels
- Internal and external modulation
- Highly stable frequency output with external crystals
- Excellent on the service bench and in the classroom

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—B813		RF Signal Generator	177.00

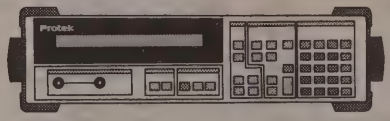
10Hz to 1MHz Wide Range Audio Generator



Features:
- Wide 10Hz to 1MHz Frequency range
- Low distortion Sine wave and Square wave output
- Lightweight, Rugged construction
- Frequency setting via large frequency dial
- Ideal for classroom or audio bench

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—B850		Wide Range Audio Generator	183.00

1 & 2 Channel Synthesized Function/Arbitrary Waveform Generator

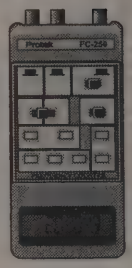


Features:
- Log, linear, phase continuous sweeps
- Frequency to 31MHz
- 0.01μHz frequency resolution
- 16 to 16K points arbitrary waveform lengths
- Standard waveforms: Sine, Square, Triangle, Ramp and Noise
- Includes waveform design software
- Waveforms may be designed via front panel or software
- Dual independent channels (9302)
- Sweep times to 1000s
- AM, FM and phase modulation
- RS-232, GPIB and software interface

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—9301		1 Channel Waveform Generator	1500.00
508—9302		2 Channel Waveform Generator	2999.00

PROTEK COUNTERS

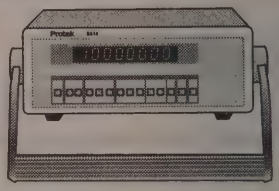
2.5GHz Hand-Held Frequency Counter



Features:
- Hand-held and battery operated
- Measures frequencies to 2.5GHz in 3 measurement ranges
- Large 8 digit LCD display
- High sensitivity on all ranges
- MIN/MAX/AVG functions
- Relative frequency measurements
- Period measurement
- Auto power-off and data hold

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—FC250		Frequency Counter	249.00
508—AT250		Antenna for FC250	20.00

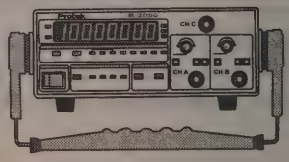
1 GHz Multifunction Counter



Features:
- 10Hz to 1GHz measurement range
- Frequency, Period and Totalize and Self Check modes
- 8 digit LED display
- X1 and X10 Input Attenuator
- 10 PPM temperature stability (oven controlled)
- Low power consumption and light weight
- 25mV sensitivity

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—B818		Multifunction Counter	275.00

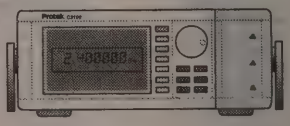
2 GHz Universal Counter



Features:
- 0.1Hz to 2GHz Frequency Range
- Measures Frequency, Period, Time Interval, Ratio and Totalize
- 0.5 PPM temperature stability
- Channel A and Channel B have variable trigger level controls
- Large, bright 8 digit LED frequency display along with function and gate time indicators
- Self check
- Low pass filters and X10 attenuators
- All functions selected via tactile switches

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—B2000		2GHz Universal Counter	389.00

Programmable 2.4GHz Universal Counter

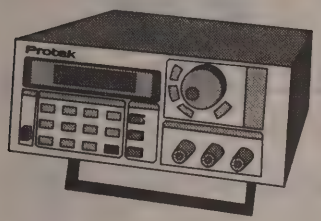


Features:
- Highly accurate frequency measurements to 2.4GHz
- Measures Frequency, Period, Duty Cycle, RPM, Frequency ratio, Difference frequency, Time interval and Totalize
- Nine measurement functions
- Plots trend graph on LCD display
- Compare, Relative Error and Min/Max functions
- Standard RS-232 with optional GPIB interface
- Eight setup screens may be saved and retrieved from memory
- Software for controlling, displaying data and data logging
- Operates on all line voltages from 85V to 270V without any changes

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—C3100		2GHz Universal Counter	429.00
508—C3100-GPIB		GPIB Interface and Handler	558.00

PROTEK POWER SUPPLIES

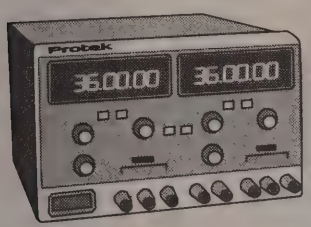
rogrammable Power Supply



eatures:
- All values may be entered from keyboard or rotary dial
- RS-232/485 interface with cable, adapter and software CD
- Volts, amps and power are displayed on a backlit LCD display
- 10 settings may be stored in memory
- Light weight and energy efficient
- Over voltage and current protection
- Outstanding in Production Test Applications

OUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
08—P6000		Programmable Power Supply	299.00

riple Output Supply

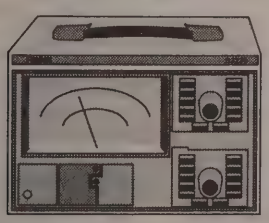


eatures:
- Dual 0 to ± 36V @ 2.5A
- Fixed 5V/ 3.3V @ 5A
- Outputs may be independent or connected in Series or Parallel and are selectable from the front panel
- Fixed supply may be switched between 3.3V and 5.0V Series or Parallel Master/Slave tracking modes
- Energy saving design

OUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
08—3040T		Triple Output Supply	490.00

ROTEK SPECIAL URPOSE INSTRUMENT

ual Input AC Millivolt Meter

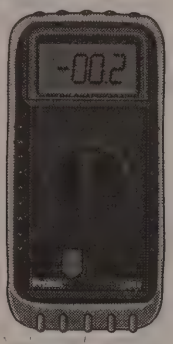


atures:
- wo independent channels
- ith independent meters
- 0Hz to 1MHz bandwidth
- 2 measurement ranges
- leasures AC volts, dBV and dBm
- hree Color-coded scales
- 0 MW input impedance

OUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
08—B3230		AC Millivolt Meter	400.00

PROTEK COMPONENT TESTERS

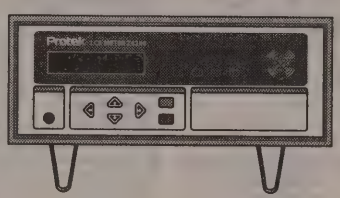
3 1/2 Digit 2000 Count L/C Meter



Features:
- Six capacitance ranges and four inductance ranges
- High accuracy measurement
- Automatic zeroing
- Low battery indicator
- Fuse protected input
- Includes holster

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—CL200		2000 Count L/C Meter	68.00

Bench LCR Meter



Features:
- Measures L, C, R, IZI, Q and D
- Displays component value, Q or D, Delta, or Delta%
- 5 digit display for component value and Q/D
- Auto ranging or Range hold
- Built-in comparator with 4 bin-sorting function
- Open and short circuit calibration for accurate zeroing
- Series and parallel equivalent circuit modes
- Three test frequencies
- Warning alarm for pass or fail binning
- Easy to use

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—Z8200		Bench LCR Meter	580.00

High Accuracy, Wide Range LCR Meter

Features:
- 0.2% basic accuracy
- Wide measurement range over 13 orders of magnitude
- Store and recall 9 instrument setups
- Measurement rates to 20 times per second
- Test frequencies are 100Hz, 120Hz, 1kHz, 10kHz and 100kHz
- Displays component value and Q or Dissipation factor
- Averaging for 2 to 10 measurements
- RS-232 and optional GPIB and Handler interface
- Open and short circuit compensation for accurate zeroing
- Easy to use and calibrate
- Built-in calibration procedures
- Binning capabilities

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—Z9216		LCR Meter	1500.00
508—Z9216-1		Radial Fixture Replacement	150.00
508—Z9216-2		Kelvin Clips	325.00
508—Z9216-3		SMD Tweezers	375.00
508—Z9216-4		GPIB Interface & Handler	1995.00

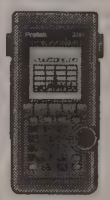
PROTEK RF INSTRUMENTS

2GHz Hand-Held RF Power Meter

Features:
- Battery operated for measuring power from 10MHz to 2GHz
- Measures RF power continuously to 0.5 Watt
- Meter Hold and easy push-button zeroing service
- Ideal for field use and bench service

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—2700		RF Power Meter	399.00

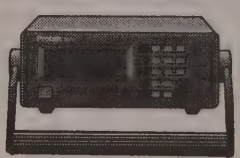
Hand-Held 2GHz RF Signal Strength Analyzer



Features:
- Hand-Held and battery operated
- 100kHz to 2060MHz measurement range
- Built-in 2GHz frequency counter
- Detects Wide band and Narrow band FM, AM and Single Sideband Signals
- Phase lock loop for precise frequency tuning
- RS-232 interface
- Up to 160 channels may be scanned and displayed
- Audio output with built-in speaker
- Detachable antenna included
- Back-lit display
- All functions are menu selected
- Instrument setups & display data may be stored in memory
- Includes software and RS-232 Cable
- Hard copy printer output of spectrum and bar graph displays

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—3201		RF Signal Strength Analyzer	2100.00

2.6GHz Spectrum Analyzer Adapter



Features:
- 10MHz to 2.6GHz frequency range
- Advanced DSP design converts any 20 MHz or greater dual trace oscilloscope to a 2.6GHz spectrum analyzer
- Resolution Bandwidths to 3KHz and zero span
- LCD reads out Frequency and Amplitude
- Over 75dB of display range
- Internal Calibration Range
- On screen markers
- Ideal for testing AM, FM, CB, Cellular, Marine, Aircraft and Cable TV equipment

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—7800		Spectrum Analyzer Adapter	2600.00

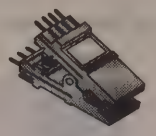
PROTEK SPECIAL PURPOSE INSTRUMENT

Cat. III Digital Insulation Tester

Features:
- Measures insulation resistance to 2000MW
- 250V, 500V and 1000V test voltages
- Meets IEC 1010-1, Category 111-600V safety standards
- Data and Max hold 508-1/2 digit, 2000 count LCD
- Continuity buzzer

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—DI2001		Digital Insulation Tester	169.00

A



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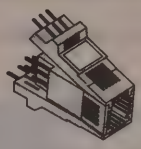
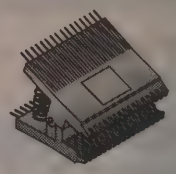


C



TEST CLIPS

SOIC Surface Mount Test Clips

Helical compression spring and insulated contact combs ensure integrity in testing.

Features:

- Allows testing of .025"sq. contact pins on .050" center devices
- UL 94V-0

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Pins	Description	Price Each			
					1	5	10	25
517-923660161	923660-16	A	16	Wide, Alloy	11.92	10.84	9.85	8.96
517-923660181	923660-18	A	18	Wide, Alloy	12.61	11.47	10.42	9.48
517-923660201	923660-20	A	20	Wide, Alloy	12.74	11.58	10.52	9.57
517-923660241	923660-24	A	24	Wide, Alloy	14.29	12.99	11.81	10.74
517-923660281	923660-28	A	28	Wide, Alloy	15.31	13.92	12.66	11.51
517-923650081	923650-08	A	8	Narrow, Alloy	11.32	10.29	9.35	8.50
517-923650141	923650-14	A	14	Narrow, Alloy	11.45	10.41	9.47	8.61
517-923650161	923650-16	A	16	Narrow, Alloy	11.78	10.71	9.74	8.85
517-923665-16	923665-16	A	16	Wide, Gold	13.68	12.65	12.26	11.86
517-923665-18	923665-18	A	18	Wide, Gold	13.78	12.75	12.35	11.95
517-923665-20	923665-20	A	20	Wide, Gold	13.96	12.91	12.50	12.10
517-923665-24	923665-24	A	24	Wide, Gold	15.74	14.56	14.10	13.65
517-923665-28	923665-28	A	28	Wide, Gold	16.90	15.63	15.14	14.65
517-923655-8	923655-08	A	8	Narrow, Gold	11.78	10.90	10.55	10.21
517-923655-14	923655-14	A	14	Narrow, Gold	13.04	12.06	11.68	11.31
517-923655-16	923655-16	A	16	Narrow, Gold	12.92	11.95	11.57	11.20

PLCC Surface Mount Test Clips

All four sides of test clip open simultaneously for one-step attachment to PLCC being tested. Helical compression spring and insulated contact combs ensure integrity in contact when testing.

Features:

- Probe access points readily visible for fast and safe testing
- Allows testing of .050" center devices

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Pins	Description	Price Each			
					1	5	10	25
517-923670201	923670-20	B	20	Alloy	31.29	29.02	27.21	25.40
517-923670281	923670-28	B	28	Alloy	33.19	30.78	28.86	26.94
517-923670441	923670-44	B	44	Alloy	42.11	39.06	36.62	34.17
517-923670521	923670-52	B	52	Alloy	46.54	41.89	37.70	33.93
517-923670681	923670-68	B	68	Alloy	56.93	52.80	49.51	46.20
517-92367084	923670-84	B	84	Alloy	57.37	51.63	46.47	41.82
517-923675-20	923675-20	B	20	Gold	37.93	34.14	30.73	27.66
517-923675-28	923675-28	B	28	Gold	44.89	40.40	36.36	32.72
517-923675-44	923675-44	B	44	Gold	45.14	41.87	39.26	36.64
517-923675-52	923675-52	B	52	Gold	47.70	44.24	41.48	38.71
517-923675-68	923675-68	B	58	Gold	53.18	49.33	46.25	43.16
517-923675-84	923675-84	B	84	Gold	57.29	53.14	49.82	46.49

LCC Surface Mount Test Clips

The unique action-wedge design of the test clip allows all four of its sides to open simultaneously for a one-step, secure contact when testing.

- Allows testing of devices down to .050" centers

For quantities of 50 and up, call for quot

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Pins	Description	Price Each			
					1	5	10	25
517-923680-20	923680-20	B	20	Alloy	36.62	32.96	29.66	26.7
517-923680-28	923680-28	B	28	Alloy	49.08	44.17	39.75	35.7
517-923680-44	923680-44	B	44	Alloy	58.86	52.97	47.68	42.9

DIP Long Wire Cable Assembly Compatible Test Clips

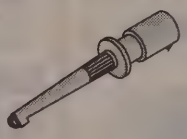
The "headless" long wire connector-compatible leads accommodate a wide range of applications. The narrow nose shape of the DIP test clip allows for easy attachment on high-density PC boards.

For quantities of 50 and up, call for quot

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Pins	Description	Price Each			
					1	5	10	25
517-923690-08	923690-08	C	8	.3 Wide, Alloy	11.13	10.02	9.02	8.1
517-92369014	923690-14	C	14	.3 Wide, Alloy	11.42	10.28	9.25	8.3
517-923690-16	923690-16	C	16	.3 Wide, Alloy	11.53	10.38	9.34	8.4
517-923690-18	923690-18	C	18	.3 Wide, Alloy	15.91	14.32	12.89	11.6
517-923690-20	923690-20	C	20	.5/.6 Wide, Alloy	16.65	14.99	13.49	12.1
517-923690-24	923690-24	C	24	.5/.6 Wide, Alloy	21.68	19.51	17.56	15.8
517-923690-28	923690-28	C	28	.5/.6 Wide, Alloy	26.00	23.40	21.06	18.9
517-923690-32	923690-32	C	32	.5/.6 Wide, Alloy	27.46	24.71	22.24	20.0
517-923690-36	923690-36	C	36	.5/.6 Wide, Alloy	28.86	25.97	23.38	21.0
517-923690-40	923690-40	C	40	.5/.6 Wide, Alloy	30.29	27.26	24.53	22.0
517-923690-48	923690-48	C	48	.5/.6 Wide, Alloy	40.39	36.35	32.72	29.4
517-923690-64	923690-64	C	64	.9 Wide, Alloy	46.14	41.53	37.37	33.6
517-923739-08	923739-08	C	8	.3 Wide, Gold	13.50	12.15	10.94	9.8
517-923739-14	923739-14	C	14	.3 Wide, Gold	13.86	12.47	11.23	10.1
517-923739-16	923739-16	C	16	.3 Wide, Gold	14.22	12.80	11.52	10.3
517-923739-18	923739-18	C	18	.3 Wide, Gold	19.99	17.99	16.19	14.5
517-923739-20	923739-20	C	20	.5/.6 Wide, Gold	20.84	18.76	16.88	15.1
517-923739-24	923739-24	C	24	.5/.6 Wide, Gold	27.18	24.46	22.02	19.8
517-923739-28	923739-28	C	28	.5/.6 Wide, Gold	32.50	29.25	26.33	23.6
517-923739-36	923739-36	C	36	.5/.6 Wide, Gold	33.72	30.35	27.31	24.5
517-923739-40	923739-40	C	40	.5/.6 Wide, Gold	37.23	33.51	30.16	27.1
517-923739-48	923739-48	C	48	.5/.6 Wide, Gold	49.84	44.86	40.37	36.3
517-923739-64	923739-64	C	64	.9 Wide, Gold	57.02	51.32	46.19	41.5

PROBE-IT CLIPS

Provide a safe, fast, and easy method of testing individual component leads and minimize accidental shorts. Phosphor bronze contact hooks are sheathed in the nylon body of the probe until exposure is needed. Solder to stranded hook-up wire.

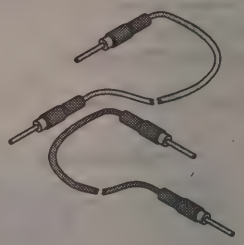


For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each			
			1	5	10	25
517-923830-BK-C	923830-BK-C	1.63", Black	7.62	6.86	6.17	5.55
517-923830-GN-C	923830-GN-C	1.63", Green	7.62	6.86	6.17	5.55
517-923830-RD-C	923830-RD-C	1.63", Red	7.62	6.86	6.17	5.55
517-923830-WT-C	923830-WT-C	1.63", White	7.62	6.86	6.17	5.55
517-923830-YL-C	923830-YL-C	1.63", Yellow	7.62	6.86	6.17	5.55
517-923830-BU-C	923830-BU-C	1.63" Blue	7.62	6.86	6.17	5.55
517-923835-RD-C	923835-RD-C	2.19", Red	7.36	6.62	5.96	5.36
517-923835-BK-C	923835-BK-C	2.19", Black	7.36	6.62	5.96	5.36
517-923835-GN-C	923835-GN-C	2.19", Green	7.36	6.62	5.96	5.36
517-923835-YL-C	923835-YL-C	2.19", Yellow	7.36	6.62	5.96	5.36
517-923835-WT-C	923835-WT-C	2.19", White	7.36	6.62	5.96	5.36
517-923840-RD-C	923840-RD-C	2.38", Red	10.20	9.18	8.26	7.43
517-923840-BK-C	923840-BK-C	2.38", Black	10.20	9.18	8.26	7.43
517-923845-RD-C	923845-RD-C	2.38", Red	8.82	7.94	7.15	6.44
517-923845-BK-C	923845-BK-C	3.56", Black	8.82	7.94	7.15	6.44
517-923848-C	923848-C	1.63", Asst.	12.46	11.21	10.09	9.08
517-923850-C	923850-C	2.19", Asst.	12.95	11.66	10.49	9.44

PATCH CORDS

Provide extra reach and flexibility when connections are changed frequently or when off-board or test clips/breadboard connections are required. Wires are 26 AWG stranded with PVC insulation, color-coded by length. Pin and socket contacts have sleeve insulation and are stackable on .100 inch centers.

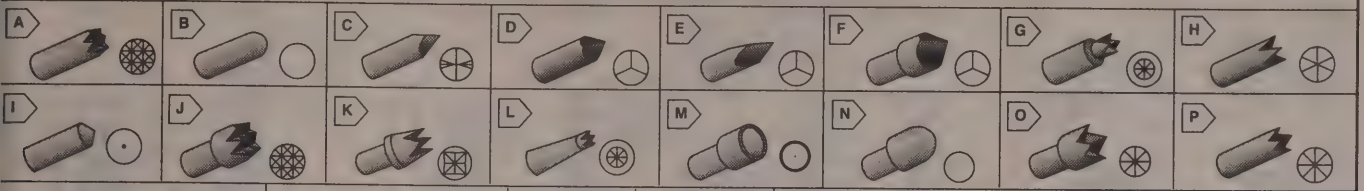


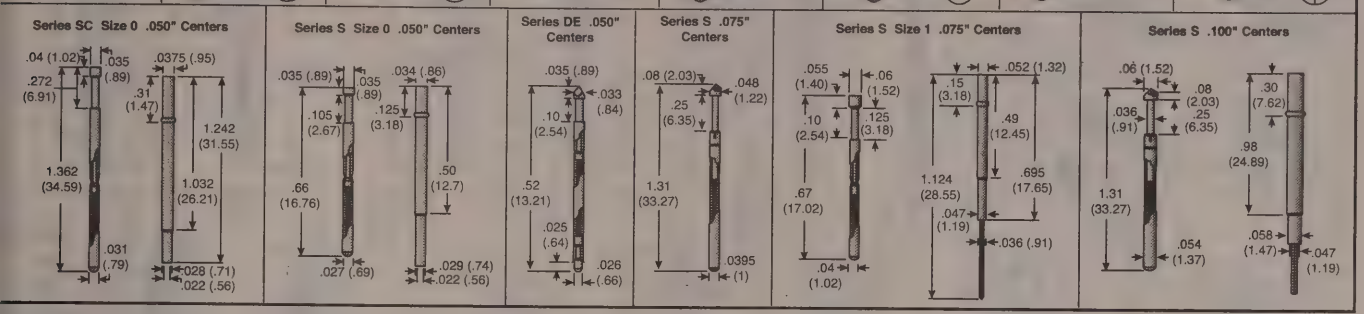
For quantities of 50 and up, call for quo

MOUSER STOCK NO.	3M Part No.	Description	Price Each			
			1	5	10	25
517-924961-C	924961-C	Small pin-pin	45.97	41.37	37.23	33.5
517-924962-C	924962-C	Large pin-pin	45.97	41.37	37.23	33.5
517-924963-C	924963-C	Small socket-socket	86.68	78.01	70.21	63.1
517-924964-C	924964-C	Large socket-socket	100.51	90.46	81.41	73.2
517-924965-C	924965-C	Small pin-socket	67.40	60.66	54.59	49.1
517-924966-C	924966-C	Large pin-socket	68.12	61.31	55.18	49.6
517-924967-C	924967-C	Small pin-Probe-It	42.84	38.56	34.70	31.2
517-924968-C	924968-C	Large pin-Probe-It	43.47	39.12	35.21	31.6
517-924969-C	924969-C	Small socket-Probe-It	47.16	42.44	38.20	34.3
517-924970-C	924970-C	Large socket-Probe-It	49.21	44.29	39.86	35.8

IDI Spring Contact Probes and Receptacles

DIMENSIONS: In (mm)





SERIES S-50C SIZE 0 .050" CENTERS

Technical Summary:
Recommended Minimum Centers: .050 (1.27)
Current Rating: 3 amps continuous
Spring Force: 3.2 or 5.4 oz. @ .170 (4.32) travel
Contact Resistance: Less than 17mΩ
Recommended Working Travel: .170 (4.32)
Maximum Travel: .232 (5.89) for headed tips
.250 (6.35) for headless tips

Materials:
- Contact Barrel: DuraGold
- Spring: Stainless steel or music wire, gold plated
- Plunger: Full-hard berylium copper or steel, gold plated over nickel or optional duralloy

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dia.	Description	Price Each 1	25	50
818	S-50C-HS-5.4-G-S	A	.024 (.61)	Headless Serrated	2.80	2.52	2.27
818	S-50C-J-5.4-G	B	.024 (.61)	Headless Radius	2.55	2.30	2.07
818	S-50C-M-5.4-G-S	C	.024 (.61)	Headless Blade	2.80	2.52	2.27
818	S-50C-S-5.4-G-S	D	.024 (.61)	Headless 3 Sided Chisel	2.80	2.52	2.27
818	S-50C-SP-5.4-G-S	E	.024 (.61)	Headless 3 Sided Sharp Chisel	2.80	2.52	2.27
818	S-50C-T-5.4-G-S	F	.029 (.74)	Headed 3 Sided Chisel	2.80	2.52	2.27
818	S-50C-UR-5.4-G-S	G	.016 (.41)	Headless Reduced 4 Pt Crown	2.80	2.52	2.27
818	S-50C-Z-5.4-G-S	H	.024 (.61)	Headless 3 Pt Crown	2.80	2.52	2.27

SERIES S SIZE 0 .050" CENTERS

Technical Summary:
Recommended Minimum Centers: .050 (1.27)
Current Rating: 3 amps continuous
Spring Force: 2.2 oz. (62g) @ .070 (1.78) travel
Contact Resistance: Less than 35mΩ
Recommended Working Travel: .070 (1.78)

Materials:
- Contact Barrel: Nickel/silver, gold plated
- Spring: Berylium copper, gold plated
- Plunger: Berylium copper, gold plated over nickel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dia.	Description	Price Each 1	25	50
Spring Contact Probes							
818	S-0-B9-2.2-G	I	.021 (.53)	Headless Flat Spear	1.25	1.13	1.02
818	S-0-H-2.2-G	J	.035 (.89)	Headed Serrated	1.25	1.13	1.02
818	S-0-J-2.2-G	B	.021 (.53)	Headless Radius	1.25	1.13	1.02
818	S-0-U-2.2-G	P	.021 (.53)	Headless 4 Pt Crown	1.25	1.13	1.02
818	S-0-UT-2.2-G	L	.011 (.28)	Headless Reduced 4 Pt Crown	1.25	1.13	1.02
Receptacles							
818	R-0-CR	---	---	Receptacle, Crimp	.23	.21	.19
818	R-0-SC	---	---	Receptacle, Solder Cup	.50	.45	.41
818	R-0-WW-025	---	---	Receptacle, WW .025" SQ	1.10	.99	.89

SERIES DE .050" CENTERS

Technical Summary:
Recommended Minimum Centers: .050 (1.27)
Current Rating: 3 amps continuous
Spring Force: 2 oz. (57g) @ .050 (1.27) travel
Contact Resistance: Less than 35mΩ
Recommended Working Travel: .050 (1.27)

Materials:
- Contact Barrel: Nickel/silver, gold plated
- Spring: Music wire, gold plated
- Plunger: Berylium copper, gold plated over nickel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dia.	Description	Price Each 1	25	50
818	DE-50-T-45-2-G	F	.033 (.84)	Double Ended Probe	1.53	1.38	1.24

SERIES S SIZE .075" CENTERS

Technical Summary:
Recommended Minimum Centers: .075 (1.91)
Current Rating: 3 amps continuous
Spring Force: 5 oz. or 7 oz.
Contact Resistance: Less than 13mΩ
Recommended Working Travel: .170 (4.32)

Materials:
- Contact Barrel: Nickel/silver, gold plated
- Spring: Music wire, nickel plated
- Plunger: Berylium copper, gold plated over nickel, or steel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dia.	Description	Price Each 1	25	50
818	S-075-B-5-G	---	---	Headless Spear	1.40	1.26	1.13
818	S-075-B-7-G	---	---	Headless Spear	1.40	1.26	1.13
818	S-075-J-5-G	B	.025 (.64)	Headless Radius	1.40	1.26	1.13
818	S-075-J-7-G	B	.025 (.64)	Headless Radius	1.40	1.26	1.13
818	S-075-M-5-G-S	C	.025 (.64)	Headless Blade	1.65	1.49	1.34
818	S-075-M-7-G-S	C	.025 (.64)	Headless Blade	1.65	1.49	1.34
818	S-075-SP-5-G-S	E	.025 (.64)	Headless Sharp Chisel (3 Sided)	1.65	1.49	1.34
818	S-075-SP-7-G-S	E	.025 (.64)	Headless Sharp Chisel (3 Sided)	1.65	1.49	1.34
818	S-075-UST-5-G-S	L	.018 (.50)	Headless Reduced 4 Pt Crown	1.65	1.49	1.34
818	S-075-UST-7-G-S	L	.018 (.50)	Headless Reduced 4 Pt Crown	1.65	1.49	1.34
818	S-075-VLT-5-G-S	K	.048 (1.22)	Headed Reduced 4 Pt Crown	1.65	1.49	1.34
818	S-075-VLT-7-G-S	K	.048 (1.22)	Headed Reduced 4 Pt Crown	1.65	1.49	1.34

SERIES S SIZE 1 .075" CENTERS

Technical Summary:
- Recommended Minimum Centers: .075 (1.91)
- Current Rating: 3 amps continuous
- Spring Force: 2.0 oz. or 3.8 oz.
- Contact Resistance: Less than 25mΩ
- Recommended Working Travel: .070 (1.78)

Materials:
- Contact Barrel: Nickel/silver, gold plated
- Spring: Stainless steel, gold plated
- Plunger: Berylium copper, gold plated over nickel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dia.	Description	Price Each 1	25	50
Spring Contact Probes							
818	S-1-A-2-G	M	.06 (1.52)	Headed Cup 2.0 oz.	.88	.79	.71
818	S-1-A-3.8-G	M	.06 (1.52)	Headed Cup 3.8 oz.	.88	.79	.71
818	S-1-D-2-G	N	.04 (1.02)	Headed Radius 2.0 oz.	.88	.79	.71
818	S-1-B-3.8-G	E	.04 (1.02)	Headed Radius 3.8 oz.	.88	.79	.71
818	S-1-H-2-G	J	.06 (1.52)	Headed Serrated 2.0 oz.	.88	.79	.71
818	S-1-H-3.8-G	J	.06 (1.52)	Headed Serrated 3.8 oz.	.88	.79	.71
818	S-1-J-2-G	B	.026 (.66)	Headless Radius 2.0 oz.	.88	.79	.71
818	S-1-J-3.8-G	B	.026 (.66)	Headless Radius 3.8 oz.	.88	.79	.71
818	S-1-U-2-G	P	.026 (.66)	Headless 4 PT Crown 2.0 oz.	.88	.79	.71
818	S-1-U-3.8-G	P	.026 (.66)	Headless 4 PT Crown 3.8 oz.	.88	.79	.71
Receptacles							
818	R-1-CR	---	---	Receptacle, Crimp	.28	.25	.23
818	R-1-SC	---	---	Receptacle, Solder Cup	.45	.41	.37
818	R-1-WW-429	---	---	Receptacle, WW .025" SQ	.48	.43	.39

SERIES S .100" CENTERS

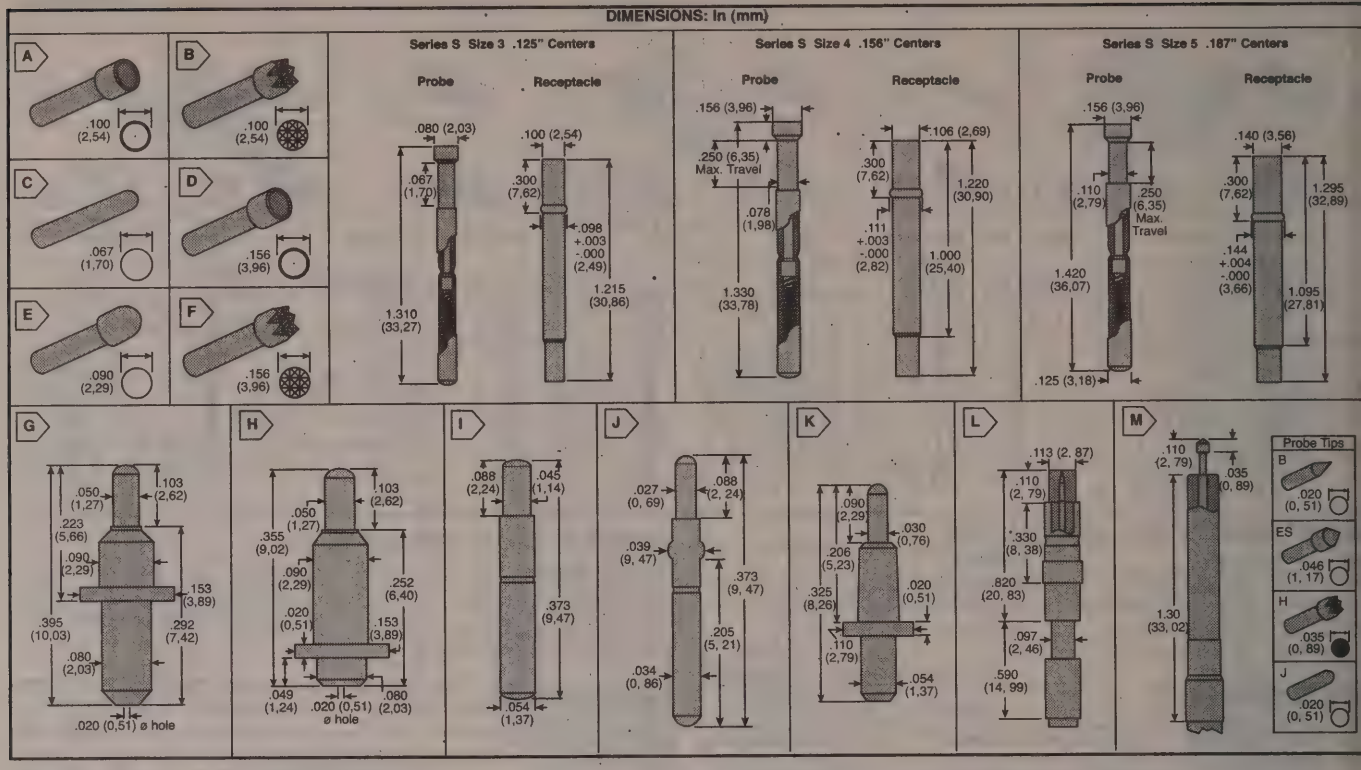
Technical Summary:
- Recommended Minimum Centers: .100 (2.54)
- Current Rating: 3 amps continuous
- Spring Force: 6.7oz. or 8.0 oz. (190g) @ .170 (4.32) travel
- Recommended Working Travel: .170 (4.32)

Materials:
- Contact Barrel: Nickel/silver, gold plated
- Spring: Stainless steel, gold plated, or music wire
- Plunger: Berylium copper, gold plated over nickel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Dia.	Description	Price Each 1	25	50
Spring Contact Probes							
818	S-100-A-6.7-G	M	.06 (1.52)	Headed Cup 6.7 oz.	.83	.75	.68
818	S-100-A-8-G	M	.06 (1.52)	Headed Cup 8 oz.	.83	.75	.68
818	S-100-B-6.7-G	---	---	Headless Spear 6.7 oz.	.83	.75	.68
818	S-100-B-8-G	---	---	Headless Spear 8 oz.	.83	.75	.68
818	S-100-H-6.7-G	J	.06 (1.52)	Headed Serrated 6.7 oz.	.83	.75	.68
818	S-100-H-8-G	J	.06 (1.52)	Headed Serrated 8 oz.	.83	.75	.68
818	S-100-J-6.7-G	B	.036 (.91)	Headless Radius 6.7 oz.	.83	.75	.68
818	S-100-J-8-G	B	.036 (.91)	Headless Radius 8 oz.	.83	.75	.68
818	S-100-M-6.7-G-S	C	.036 (.91)	Headless Blade 6.7 oz.	1.08	.97	.87
818	S-100-M-8-G-S	C	.036 (.91)	Headless Blade 8 oz.	1.08	.97	.87
818	S-100-SP-6.7-G-S	E	.036 (.91)	Headless Sharp Chisel 6.7 oz.	1.08	.97	.87
818	S-100-SP-8-G-S	E	.036 (.91)	Headless Sharp Chisel 8 oz.	1.08	.97	.87
818	S-100-U-6.7-G-S	P	.036 (.91)	Headless 4 PT Crown 6.7 oz.	1.08	.97	.87
818	S-100-U-8-G-S	P	.036 (.91)	Headless 4 PT Crown 8 oz.	1.08	.97	.87
818	S-100-UST-6.7-G-S	L	.036 (.91)	Headless Reduced 4 PT Crown 6.7 oz.	1.08	.97	.87
818	S-100-UST-8-G-S	L	.036 (.91)	Headless Reduced 4 PT Crown 8 oz.	1.08	.97	.87
818	S-100-VLT-6.7-G-S	K	.055 (1.40)	Headed Reduced 4 PT Crown 6.7 oz.	1.08	.97	.87
818	S-100-VLT-8-G-S	K	.055 (1.40)	Headed Reduced 4 PT Crown 8 oz.	1.08	.97	.87
818	S-100-W-6.7-G-S	O	.05 (1.27)	Headed 4 PT Crown 6.7 oz.	1.08	.97	.87
818	S-100-WO-8-G-S	O	.05 (1.27)	Headed 4 PT Crown 8 oz.	1.08	.97	.87
Receptacles							
818	R-25-CR	---	---	Receptacle, Crimp	.25	.23	.21
818	R-25-SC	---	---	Receptacle, Solder Cup	.38	.34	.31
818	R-25-WW-429	---	---	Receptacle, WW .025" SQ	.33	.30	.27

IDI Spring Contact Probes and Receptacles



SERIES S SIZE 3 .125" CENTERS

Technical Summary:
- Recommended Minimum Centers: .1250 (3,180)
- Current Rating: 5 amps continuous
- Spring Force: 4.0 (113g) @ .1700 (4,320) travel
- Contact Resistance: Less than 20 milliohms
- Recommended Working Travel: .1700 (4,320)

Materials:
- Contact Barrel: Nickel/Silver, Gold Plated
- Spring: Stainless Steel, Gold Plated
- Plunger: Berylium Copper, Gold Plated over Nickel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
Mfr. Mfr. Part No.			1	25	50
Spring Contact Probes					
818—S-3-A-4-G	A	Headed Cup	1.50	1.35	1.22
818—S-3-H-4-G	B	Headed Serrated	1.50	1.35	1.22
818—S-3-J-4-G	C	Headless Radius	1.50	1.35	1.22
Receptacles					
818—R-3-CR	- - -	Receptacle, Crimp	.53	.48	.43
818—R-3-SC	- - -	Receptacle, Solder Cup	.70	.63	.57

SERIES S SIZE 4 .156" CENTERS

Technical Summary:
- Recommended Minimum Centers: .156 (3,960)
- Current Rating: 5 amps continuous
- Spring Force: 5oz. (142g) @ .1700 (4,320) travel
- Contact Resistance: Less than 20 milliohms
- Recommended Working Travel: .1700 (4,320)

Materials:
- Contact Barrel: Nickel/Silver, Gold Plated
- Spring: Stainless Steel, Gold Plated
- Plunger: Berylium Copper, Gold Plated over Nickel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
Mfr. Mfr. Part No.			1	25	50
Spring Contact Probes					
818—S-4-A-5-G	D	156" Headed Cup	1.95	1.76	1.58
818—S-4-D-5-G	E	156" Headed Radius	1.95	1.76	1.58
818—S-4-H-5-G	F	.156" Headed Serrated	1.95	1.76	1.58
Receptacles					
818—R-4-SC	- - -	.156" Receptacle, Solder Cup	.70	.63	.57

SERIES S SIZE 5 .187" CENTERS

Technical Summary:
- Recommended Minimum Centers: .1870 (4,750)
- Current Rating: 5 amps continuous
- Spring Force: 16.4 (465g) @ .1700 (4,320) travel
- Contact Resistance: Less than 8 milliohms
- Recommended Working Travel: .1700 (4,320)

Materials:
- Contact Barrel: Nickel/Silver, Gold Plated
- Spring: Music Wire or Stainless Steel
- Plunger: Berylium Copper, Gold Plated over Nickel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
Mfr. Mfr. Part No.			1	25	50
Spring Contact Probes					
818—S-5-A-16.4-G	D	Headed Cup 16.4 oz.	2.63	2.37	2.13
818—S-5-A-8-G	D	Headed Cup 8 oz.	2.70	2.43	2.19
818—S-5-H-8-G	F	Headed Serrated 8 oz.	2.63	2.37	2.13
Receptacles					
818—R-5-SC	- - -	Receptacle, Solder Cup	1.08	.97	.87

BATTERY AND CONNECTOR CONTACTS

Technical Summary:
- Recommended Minimum Centers: .175 (4,45)
- Current Rating: 10 amps continuous (Individual probe in free air @ ambient temp)
- Spring Force: 6.2oz. @ .060 (1,52) travel
- Contact Resistance: Less than 10 milliohms
- Recommended Working Travel: .060 (1,52)
- Max. Travel: .090 (2,29) travel

Materials:
- Contact Barrel: Nickel/Silver, Gold Plated
- Spring: Stainless Steel, Gold Plated
- Plunger: Full hard Berylium Copper, Gold Plated over Nickel
- Ball: Stainless Steel, Gold Plated

Special Features:
- Bias Ball Construction
- Mounting Flange

For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Fig.	Description	Price Each		
Mfr. Mfr. Part No.			1	25	50
818—100410-005	G	Battery Contact 6.2 oz.	1.18	1.06	.9
818—100891-002	H	Battery Contact 9 oz.	1.08	.98	.8
818—100737-001	I	Battery Contact Probe 100 mil 2.2 oz.	.88	.79	.7
818—100803-000	J	Battery Contact Probe 50 mil 1.3 oz.	1.33	1.19	1.0
818—101050-003	K	Battery Contact Probe 125 mil 2.3 oz.	.73	.65	.5

BATTERY CONTACT PROBES - 100 MIL

Technical Summary:
- Recommended Minimum Centers: .1000 (2,540)
- Current Rating: 3 amps continuous
- Spring Force: 3.8oz. (108g) @ .0500 (1,270) travel
- Contact Resistance: Less than 30 milliohms
- Recommended Working Travel: .0500 (1,270)

Materials:
- Contact Barrel: Nickel/Silver, Gold Plated
- Spring: Stainless Steel, Gold Plated
- Plunger: Berylium Copper, Gold Plated over Nickel

For quantities of 100 and up, call for quote

818—GSS-10-3.8-G	I	Headless Radius	.90	.81	.7
818—GSS-19-3.8-G	I	Headless Serrated (Plunger - Fig. B)	.90	.81	.7
818—GSS-3-3.8-G	K	Headed Radius (Flat Round Plunger)	.90	.81	.7

SINGLE ENDED COAXIAL PROBES

Technical Summary:
- Minimum Centers: .200 (5,08)
- Current Rating: 3 amps continuous
- Working Travel: .070 (1,78) travel
- Max. Travel: .090 (2,29) travel for tips B, J & U
  .075 (1,91) travel, for tips A, ES & H

Materials:
- Signal Conductor: 1.6 oz. @ .070 (1,78) travel, for tips B, J & U
  2.0 oz. @ .070 (1,78) travel, for tips A, ES & H
- Shielding Plunger: 4.3 oz. @ .070 (1,78) travel

For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Fig.	Mounting Flange	Shielding Plunger	Cable Length	Price Each		
Mfr. Mfr. Part No.					1	25	50
818—100445-000-12-A	L	No	Flat	12"	68.58	61.72	54.8
818—100445-001-12-A	L	Yes	Flat	12"	68.58	61.72	54.8
818—100445-001-24-A	L	Yes	Flat	24"	68.58	61.72	54.8
818—100445-023-12-A	L	Yes	Serrated	12"	68.58	61.72	54.8

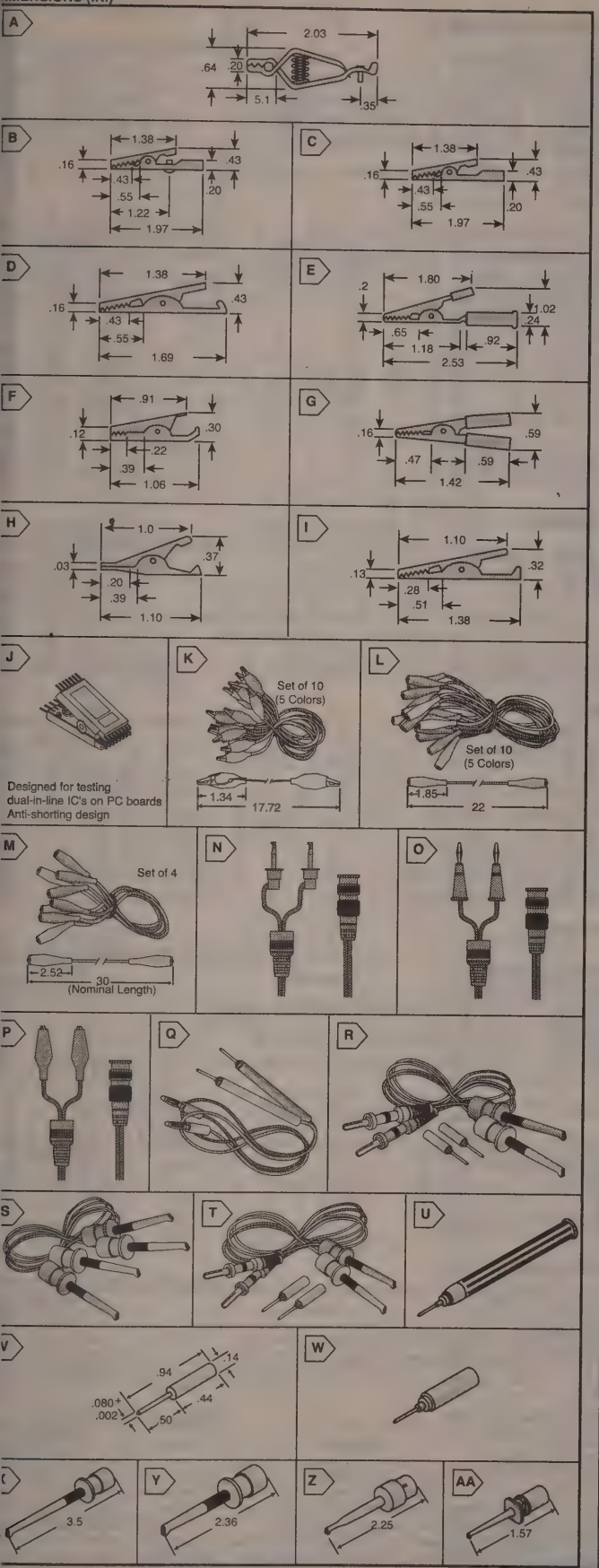
For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Fig.	Probe Tip	Cable Length	Term.	Price Each		
Mfr. Mfr. Part No.					1	25	50
818-100526-004-08-A	M	J	8"	SMA	52.23	47.00	41.7
818-100526-030-12-A	M	ES	12"	SMA	52.23	47.00	41.7
818-100526-025-06-A	M	B	6"	SMA	52.23	47.00	41.7
818-100526-031-08-A	M	B	8"	SMA	52.23	47.00	41.7
818-100526-023-10-A	M	H	10"	SMA	52.23	47.00	41.7

KOBICONN Test Clips, Leads, Tip Plugs

KOBICONN

DIMENSIONS (IN.)



BATTERY CLIPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	DGS	Smith	Description	Price Each 1	100	500
13AC511	A	48R&49R	- - - -	Clip with red insulated boot	1.04	.80	.73
13AC512	A	48B&49B	- - - -	Clip with black insulated boot	1.04	.80	.73

ALLIGATOR CLIPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	DGS	Smith	Description	Price Each 1	100	500
13AC008	B	60S	- - - -	Clip/non-insulated screw terminal	.33	.22	.20
13AC009	C	60	300	Clip/non-insulated	.27	.18	.17
13AC140	D	- - - -	- - - -	Clip/non-insulated solder terminal	.42	.28	.25
13AC141	-	62R	331R	Red boot for clips above	.27	.14	.13
13AC142	-	62B	331B	Black boot for clips above	.27	.14	.13
13AC091	E	- - - -	- - - -	Clips with red insulated sleeve and tab	.57	.38	.34
13AC092	E	- - - -	- - - -	Clips with black insulated sleeve and tab	.57	.38	.34
13AC120	F	30	338	Test clip (non-insulated) solder term	.26	.17	.16
13AC121	-	32R	389R	Red insulating boot for 13AC120	.19	.10	.09
13AC122	-	32B	389B	Black insulated boot for 13AC120	.19	.10	.09
13AC162	G	- - - -	- - - -	Clip/black insulated; Tabs, solder terminal	.38	.34	.31
13AC170	H	34	- - - -	Test clip (non-insulated) solder terminal	.34	.22	.20
13AC130	I	- - - -	- - - -	Test clip (non-insulated) solder terminal	.32	.22	.20
13AC131	-	- - - -	- - - -	Red insulated boot for 13AC130	.19	.10	.09
13AC132	-	- - - -	- - - -	Black insulated boot for 13AC130	.19	.10	.09

(DIP) DUAL-IN-LINE PACKAGE TEST CLIPS

MOUSER STOCK NO.	Fig.	Description	Price Each
383-R14	J	14 pin DIP IC test clip	6.38
383-R16	J	16 pin DIP IC test clip	6.88
383-R24	J	24 pin DIP IC test clip	8.90
383-R40	J	40 pin DIP IC test clip	13.35

JUMPER TEST LEADS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Description	Price Each 1	10
13AC010	K	18	Miniature test leads, set of 10, 5 colors	6.28	5.23
13AC012	L	22	Standard test leads, set of 10, 5 colors	7.59	6.32
13TC900	M	30	Heavy duty, set of 4: red, green, yellow, blk	5.12	4.23
132-0910	M	30	Heavy duty, set of 4: 2 red, 2 black	5.45	4.54

TEST CABLES

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Length (In.)	Description	Price Each 1	10	25	100
132-0021	N	Black	46	BNC Plug - Mini Grabbers	11.89	9.90	8.99	8.19
132-0022	O	Black	46	BNC Plug - Alligator Clips	9.63	7.99	7.29	6.63
132-0023	P	Black	46	BNC Plug - Banana Plug	10.15	8.46	7.69	6.99

TEST LEADS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Description	Price Each 1	10
13PN071	Q	40	Test prod to banana plug, set of 2	5.20	4.34
13PN085	R	48	3 1/2" IC test clip to banana plug, set of 2	10.52	9.56
13TC081	S	24	IC test clip to IC test clip, set of 2	10.15	9.22
13TC084	T	48	2 1/4" IC test clip to banana plug with plug test tip adapter, set of 2	9.47	8.61

TIP PLUGS AND TEST PRODS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	100
17PR121	U	Test prod, solder, red plastic handle	1.23	1.03	.94
17PR122	U	Test prod, solder, black plastic handle	1.23	1.03	.94
534-1600	V	Tip plug, uninsulated	.32	.27	.22
171-0111	W	Pin plug, solder, red plastic handle	.64	.43	.38
171-0112	X	Pin plug, solder, black plastic handle	.64	.43	.38

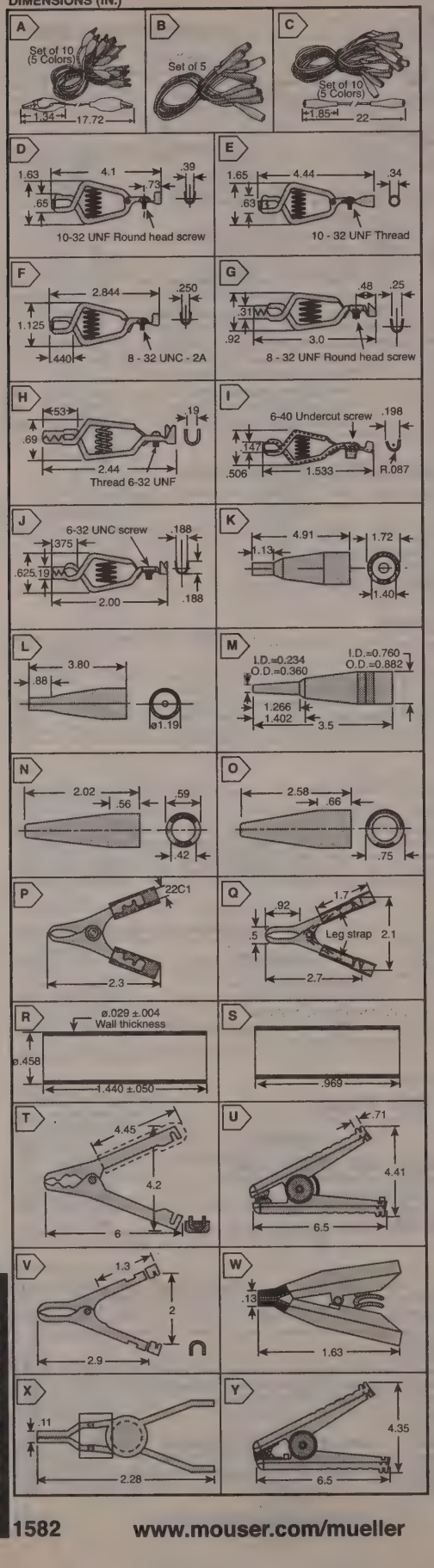
IC TEST CLIPS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Color	Description	Price Each 1	10
13IC331	X	Red	Ideal for testing miniature and subminiature equipment, do-it-yourself test clips provide ability to build your own leads	1.77	1.47
13IC332	X	Black		1.77	1.47
13IC305	Y	Red		1.49	1.24
13IC306	Y	Black		1.49	1.24
13IC301	Z	Red		1.49	1.24
13IC302	Z	Black		1.49	1.24
13IC307	AA	Red	Subminiature test clips are useful for making rapid and reliable tests. Small size allows many test points at once, without clutter	1.15	.96
13IC308	AA	Black		1.15	.96
13IC309	AA	Blue		1.15	.96
13IC310	AA	Green		1.15	.96
13IC311	AA	Yellow		1.15	.96

MUELLER Leads and Test Clips

DIMENSIONS (IN.)



MUELLER ALLIGATOR LEAD SETS

• 22 AWG wire • Black-Green-Yellow-Red-White

For quantities of 500 and up, call for quote

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (In.)	Description	Price Each 1	100	500
548-285	BU-00285	A	18	Mini test clips, 10 clips, 5 colors	5.22	4.70	4.46
548-286	BU-00286	B	12	Heavy duty test clips, 5 clips, 5 colors	3.47	3.12	2.97
548-287	BU-00287	C	18	Standard test clips, 10 clips, 5 colors	5.22	4.70	4.46

MUELLER CLIPS

Center-Squeeze Clips

See insulators below for pricing.

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator	Jaw Opening	Wire AWG	Plating	Price Each 1	100	500
548-21APN	BU-21APN	D	50	548-23_	1-1/16	1-1/0	Steel	1.88	1.69	1.61
548-BU21CPN	BU-21CPN	E	100	548-23_	1-1/16	1-1/0	Copper	3.89	3.50	3.33
548-24APN	BU-24APN	F	25	548-26_	3/4	8	Steel	.97	.87	.83
548-24APS	BU-24APS	F	25	548-26_	3/4	8	Steel	.97	.87	.83
548-BU-25	BU-25	G	40	548-26_	3/4	1	Steel	.85	.77	.73
548-25C	BU-25C	G	75	548-26_	3/4	1	Copper	1.62	1.46	1.39
548-27	BU-27	H	20	548-29-_	5/8	12	Zinc	.61	.55	.52
548-27C	BU-27C	H	40	548-29-_	5/8	12	Solid Copper	.83	.75	.71
548-45	BU-45	I	5	548-47-_	5/16	7	Steel	.42	.38	.36
548-45C	BU-45C	I	10	548-47-_	5/16	7	Copper	.61	.55	.52
548-48-B	BU-48B	J	10	548-49-_	1/2	5	Steel	.55	.50	.47
548-48-C	BU-48C	J	20	548-49-_	1/2	5	Copper	.68	.61	.58

Center-Squeeze Clip Insulators

Replace Blank with:
Black-0 Yellow-4 Blue-6
Red-2 Green-5 White-9

Available in 6 colors

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (In.)	Description	Price Each 1	100	500
548-23-_	BU-23-_	K	5.00	Vinyl/insulator for #21 series alligator clips	1.03	.93	.88
548-26-_	BU-26-_	L	3.78	Vinyl/insulator for #22 & 25 series alligator clips	.76	.68	.65
548-29-_	BU-29-_	M	3.50	Vinyl/insulator for #20 series alligator clips	.51	.46	.44
548-47-_	BU-47-_	N	2.02	Vinyl insulator for # 45 & 45C	.19	.17	.16
548-49-_	BU-49-_	O	2.56	Vinyl insulator for #48B & 48C	.45	.41	.38

Small Plier-Style Clips

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator Below	Jaw Opening	Wire AWG	Plating	Price Each 1	100	500
548-40A-0	BU-40A-0	P	15	548-42PR-_	3/4	12	Steel	.63	.57	.54
548-40A-2	BU-40A-2	P	15	548-42PR-_	3/4	12	Steel	.63	.57	.54
548-40C-0	BU-40C-0	P	20	548-42PR-_	3/4	12	Copper	.90	.81	.77
548-40C-2	BU-40C-2	P	20	548-42PR-_	3/4	12	Copper	.90	.81	.77
548-46A-B	BU-46A-0	Q	50	548-BU-46PR-_	1-1/8	2	Steel	.81	.73	.69
548-46A-R	BU-46A-2	Q	50	548-BU-46PR-_	1-1/8	2	Steel	.81	.73	.69
548-46C-0	BU-46C-0	Q	75	548-BU-46PR-_	1-1/8	2	Copper	1.23	1.11	1.05
548-46C-2	BU-46C-2	Q	75	548-BU-46PR-_	1-1/8	2	Copper	1.23	1.11	1.05

Small Plier-Style Clip Insulators

Available in 6 colors

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (In.)	Description	Price Each 1	100	500
548-BU-46PR-0	BU-46PR-0	R	1-3/4	Black vinyl insulator plier type for # 46A & 46C	.16	.14	.14
548-BU-46PR-2	BU-46PR-2	R	1-3/4	Red vinyl insulator plier type for # 46A & 46C	.16	.14	.14
548-42PR-0	BU-42PR-0	S	0.969	Pair of Black Insulators for #40 Clip	.47	.42	.40
548-42PR-2	BU-42PR-2	S	0.969	Pair of Red Insulators for #40 Clip	.47	.42	.40

Large Plier-Style Clips

Replace Blank with:
Black-0 Yellow-4 Blue-6
Red-2 Green-5 White-9

Available in 6 colors

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator	Jaw Opening	Wire AWG	Plating	Price Each 1	100	500
548-41A-_	BU-41A-_	T	200	548-43PR-_	1-9/16	1	Steel	2.34	2.11	2.00
548-41C-_	BU-41C-_	T	400	548-43PR-_	1-9/16	1	Copper	5.24	4.72	4.48
548-102B-_	BU-102B-_	U	500	Included	1.6	1	Copper	6.48	5.83	5.54

Large Plier-Style Clip Insulators

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (In.)	Description	Price Each 1	100	500
548-43PR-0	BU-43PR-0	S	4.44	Pair of Black Insulators for BU-41 Clip	.49	.44	.42
548-43PR-2	BU-43PR-2	S	4.44	Pair of Red Insulators for BU-41 Clip	.49	.44	.42

Kelvinized Test Clips

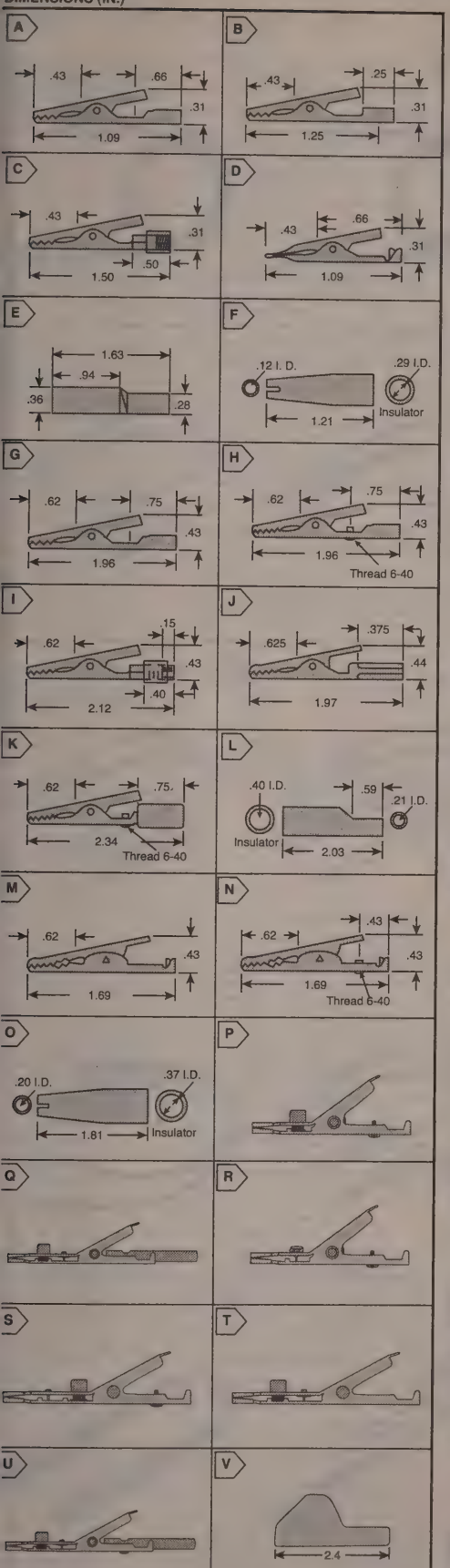
Jaws are electrically isolated when opened for battery testing

For quantities of 1000 and up, call for quo

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (In.)	Description	Plating	Price Each 1	100	500
548-BU-46K-0	BU-46K-0	V	2.9	Black Kelvin Clip - 50 Amp	dichromate	2.76	2.48	2.36
548-BU-46K-2	BU-46K-2	V	2.9	Red Kelvin Clip - 50 Amp	dichromate	2.76	2.48	2.36
548-BU-75K	BU-75K	W	1-5/8	Silver/Black Kelvin Steel Clip - 10 Amp	silver	9.11	8.20	7.79
548-BU-78K	BU-78K	X	2.28	Gold Kelvin Copper Clip - 10 Amp	gold	38.65	34.79	33.05
548-BU-102BK-0	BU-102BK-0	Y	6.5	Black Kelvin Clip - 500 Amp, Fully Insulated	solid copper	21.82	19.64	18.66
548-BU-102BK-2	BU-102BK-2	Y	6.5	Red Kelvin Clip - 500 Amp, Fully Insulated	solid copper	21.82	19.64	18.66

MUELLER Alligator Clips

DIMENSIONS (IN.)



30 SERIES ALLIGATOR CLIPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator	Jaw Opening	Wire AWG	Plating	Price Each 1	100	500
548-30	BU-30	A	5	548-32-_	3/16	20-24	Nickel	.21	.19	.18
548-30C	BU-30C	A	5	548-32-_	3/16	20-24	Solid Copper	.28	.25	.24
548-30-BL	BU-30BL	B	5	548-31-_	3/16	18-24	Nickel	.20	.18	.17
548-30-TBO	BU-30TBO	C	5	548-31-_	3/16	20-24	Nickel	.46	.41	.39
548-34	BU-34	D	5	548-36_	3/16	20-24	Nickel	.38	.34	.32
548-34C	BU-34C	D	5	548-36_	3/16	20-24	Copper	.44	.40	.38
548-30X	BU-30X	A	5	548-32-_	3/16	20-24	Steel	.55	.50	.47

30 SERIES ALLIGATOR CLIP INSULATORS

Replace Blank with:
Black-0 Yellow-4 Blue-6
Red-2 Green-5 White-9

Available in 6 colors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (In.)	Description	Price Each 1	100	500
548-31-_	BU-31-_	E	1.63	Vinyl insulator for #30BL & 30TBO series miniature clips	.17	.16	.15
548-32-_	BU-32-_	F	1.22	Vinyl insulator for #30 series miniature clips	.16	.15	.14
548-36_	BU-36_	F	1.22	Vinyl insulator for #34 series miniature clips	.15	.13	.12

60 SERIES ALLIGATOR CLIPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator	Jaw Opening	Wire AWG	Plating	Price Each 1	100	500
548-60	BU-60	G	10	548-62_	5/16	14-20	Nickel	.26	.23	.22
548-60-S	BU-60S	H	10	548-62_	5/16	14-20	Nickel	.35	.32	.30
548-60-CS	BU-60CS	H	10	548-62_	5/16	14-20	Solid Copper	.55	.50	.47
548-60-TBO	BU-60TBO	I	10	548-62_	5/16	14-20	Nickel	.51	.46	.44
548-60-PR2	BU-60PR2	J	10	548-62_	5/16	14-20	Nickel	.44	.40	.38
548-60X	BU-60X	G	10	548-62_	5/16	14-20	Steel	.70	.63	.60

60 SERIES INSULATED ALLIGATOR CLIPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator	Jaw Opening	Wire AWG	Plating	Price Each 1	100	500
548-60-HSB	BU-60HS-0	K	10	Included	5/16	Black	Nickel	.55	.50	.47
548-60-HSR	BU-60HS-2	K	10	Included	5/16	Red	Nickel	.55	.50	.47
548-60-CHSB	BU-60CHS-0	K	10	Included	5/16	Black	Solid Copper	.72	.65	.62
548-60-CHSR	BU-60CHS-2	K	10	Included	5/16	Red	Solid Copper	.72	.65	.62

60 SERIES ALLIGATOR CLIP INSULATORS

Replace Blank with:
Black-0 Yellow-4 Blue-6
Red-2 Green-5 White-9

Available in 6 colors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (In.)	Description	Price Each 1	100	500
548-62_	BU-62-0	L	2.03	Black vinyl insulator for #60 series alligator clips	.15	.14	.13

70 SERIES ALLIGATOR CLIPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator	Jaw Opening	Wire AWG	Plating	Price Each 1	100	500
548-70	BU-70	M	5	548-72_	5/16	16-20	Nickel	.40	.36	.34
548-70-S	BU-70S	N	5	548-72_	5/16	16-21	Nickel	.42	.38	.36
548-70-CS	BU-70CS	N	10	548-72_	5/16	16-22	Copper	.53	.48	.45

70 SERIES ALLIGATOR CLIP INSULATORS

Replace Blank with:
Black-0 Yellow-4 Blue-6
Red-2 Green-5 White-9

Available in 6 colors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (In.)	Description	Price Each 1	100	500
548-72_	BU-72-0	O	1.81	Vinyl insulator for #70 series alligator clips	.25	.24	.23

INSULATION PIERCING CLIPS FROM JS POPPER

The Telecom industry standard for over 40 years!

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (In.)	Description	Use with Insulator	Price Each 1	100
548-JP-25182	JP-25182	P	2.33	small, bed of nails	548-JP-8681-_	2.86	2.57
548-JP-25182-J-C0	JP-25182-J-C0	Q	2.33	small, bed of nails, w/black boot	included	7.00	6.30
548-JP-25182-J-C2	JP-25182-J-C2	Q	2.33	small, bed of nails, w/red boot	included	7.00	6.30
548-JP-8078	JP-8078	R	2.33	small, hex head spike	548-JP-8681-_	2.22	2.00
548-JP-33674	JP-33674	S	2.6	large, straight jaw, bed of nails & spike	548-JP-8681-_	4.75	4.28
548-JP-8783	JP-8783	T	2.61	large, bed of nails & Spike	548-JP-8681-_	4.62	4.16
548-JP-8783-J-C0	JP-8783-J-C0	U	2.61	large, bed of nails & Spike, w/black boot	included	5.39	4.85
548-JP-8783-J-C2	JP-8783-J-C2	U	2.61	large, bed of nails & Spike, w/red boot	included	5.39	4.85

JS POPPER INSULATORS

Replace Blank with:
Black-0 Yellow-4 Blue-6
Red-2 Green-5 White-9

Available in 6 colors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (In.)	Description	Price Each 1	100	500
548-JP8681-_	JP-8681-_	V	2.4	Insulated Boot for JP-x Clip	.62	.56	.53

POMONA Test Clips and Accessories

Pomona. SMA PLUG 50OHM CABLE

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Length (In.)	Price Each 1	25	50
RG174/U							
565—	4846-K-24	A	SMA male (plug) to SMA male (plug), 50 Ohm	24	37.27	35.41	33.64
565—	4846-K-48	A	SMA male (plug) to SMA male (plug), 50 Ohm	48	37.27	35.41	33.64
565—	4846-K-60	A	SMA male (plug) to SMA male (plug), 50 Ohm	60	37.27	35.41	33.64
RG316/U							
565—	4846-BB-24	A	SMA male (plug) to SMA male (plug), 50 Ohm	24	41.41	39.34	37.37
565—	4846-BB-48	A	SMA male (plug) to SMA male (plug), 50 Ohm	48	41.41	39.34	37.37
565—	4846-BB-60	A	SMA male (plug) to SMA male (plug), 50 Ohm	60	41.41	39.34	37.37
RG142B/U							
565—	4846-X-24	A	SMA male (plug) to SMA male (plug), 50 Ohm	24	54.87	52.13	49.52
565—	4846-X-48	A	SMA male (plug) to SMA male (plug), 50 Ohm	48	54.87	52.13	49.52
565—	4846-X-60	A	SMA male (plug) to SMA male (plug), 50 Ohm	60	54.87	52.13	49.52

Pomona. BNC PLUG TO SMA PLUG 50OHM • TEFLON INSULATED CABLE

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Length (In.)	Price Each 1	25	50
RG316/U							
565—	4935-BB-24	B	BNC male (plug) to SMA male (plug), 50 Ohm	24	38.31	36.39	34.57
565—	4935-BB-48	B	BNC male (plug) to SMA male (plug), 50 Ohm	48	38.31	36.39	34.57
565—	4935-BB-60	B	BNC male (plug) to SMA male (plug), 50 Ohm	60	38.31	36.39	34.57

Pomona. MOLDED BREAKOUTS

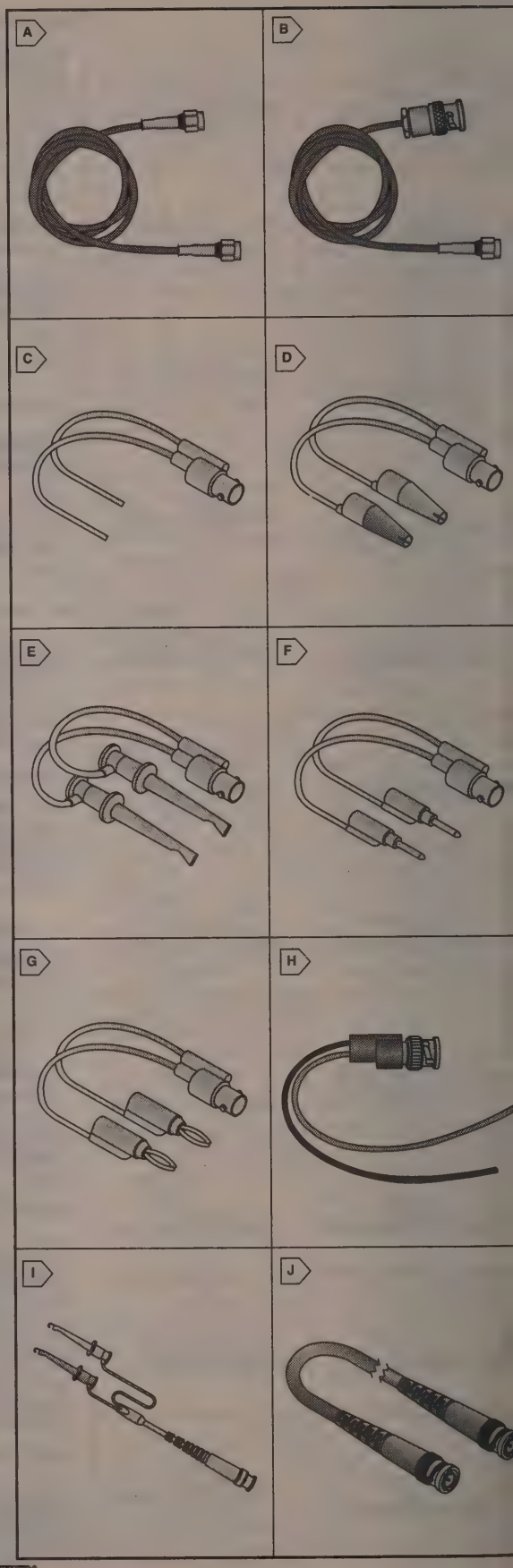
For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Wire AWG	Price Each 1	25	50
565—	4969	C	BNC female to 20AWG leads	20	5.95	5.65	5.37
565—	2630	D	BNC female to mini alligator clips	20	9.16	8.70	8.27
565—	2631	D	BNC female to minigator clips	20	9.16	8.70	8.27
565—	3788	E	BNC female to Minigrabber test clips	20	8.80	8.36	7.94
565—	3789	E	BNC male to Minigrabber test clips	20	10.87	10.33	9.81
565—	3221	F	BNC female to stacking pin tip plugs	20	11.03	10.48	9.95
565—	3073	G	BNC female to multi-stacking banana plugs	18	8.54	8.11	7.71
565—	4970	H	BNC male to 20AWG leads	20	8.28	7.87	7.47
565—	5187-C-36	I	Minigrabber test clips to BNC male RG58C/U	20	15.53	14.75	14.02

Pomona. BNC TO BNC WITH MOLDED STRAIN RELIEF

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Length (In.)	Price Each 1	25	50
RG58C/U							
565—	2249-C-12	J	BNC male to BNC male 50 Ohm	12	12.63	12.00	11.40
565—	2249-C-24	J	BNC male to BNC male 50 Ohm	24	12.63	12.00	11.40
565—	2249-C-36	J	BNC male to BNC male 50 Ohm	36	12.63	12.00	11.40
565—	2249-C-48	J	BNC male to BNC male 50 Ohm	48	15.79	15.00	14.25
565—	2249-C-60	J	BNC male to BNC male 50 Ohm	60	15.79	15.00	14.25
565—	2249-C-72	J	BNC male to BNC male 50 Ohm	72	15.79	15.00	14.25
565—	2249-C-120	J	BNC male to BNC male 50 Ohm	120	18.95	18.00	17.10
565—	2249-C-180	J	BNC male to BNC male 50 Ohm	180	22.78	21.64	20.56
RG223							
565—	2249-Y-12	J	BNC male to BNC male 50 Ohm	12	19.52	18.54	17.62
565—	2249-Y-24	J	BNC male to BNC male 50 Ohm	24	19.52	18.54	17.62
565—	2249-Y-36	J	BNC male to BNC male 50 Ohm	36	20.71	19.67	18.69
565—	2249-Y-48	J	BNC male to BNC male 50 Ohm	48	21.74	20.65	19.62
565—	2249-Y-60	J	BNC male to BNC male 50 Ohm	60	23.29	22.13	21.02
565—	2249-Y-72	J	BNC male to BNC male 50 Ohm	72	24.85	23.61	22.43
RG59B/U							
565—	2249-E-12	J	BNC male to BNC male 75 Ohm	12	13.46	12.79	12.15
565—	2249-E-24	J	BNC male to BNC male 75 Ohm	24	13.46	12.79	12.15
565—	2249-E-36	J	BNC male to BNC male 75 Ohm	36	13.46	12.79	12.15
565—	2249-E-48	J	BNC male to BNC male 75 Ohm	48	15.84	15.05	14.30
565—	2249-E-60	J	BNC male to BNC male 75 Ohm	60	15.84	15.05	14.30
565—	2249-E-72	J	BNC male to BNC male 75 Ohm	72	15.84	15.05	14.30
RG174/U							
565—	2249-K-12	J	BNC male to BNC male 50 Ohm	12	19.05	18.10	17.19
565—	2249-K-24	J	BNC male to BNC male 50 Ohm	24	19.05	18.10	17.19
565—	2249-K-36	J	BNC male to BNC male 50 Ohm	36	19.05	18.10	17.19
565—	2249-K-48	J	BNC male to BNC male 50 Ohm	48	20.71	19.67	18.69
565—	2249-K-60	J	BNC male to BNC male 50 Ohm	60	20.71	19.67	18.69
565—	2249-K-72	J	BNC male to BNC male 50 Ohm	72	21.74	20.65	19.62



POMONA Test Clips and Accessories

Pomona ELECTRONICS

Pomona BANANA PLUGS AND JACKS

* LAP = Lucel Acetal Polymer
P = Polycarbonate

Replace blank with 0 for Black, 2 for Red

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr. Mfr. Part No.	Fig.	Description	Insulation *	Price Each 1	25	50
Plugs						
565—1825-__	A	Solderless stackup banana plug	ABS	1.35	1.28	1.22
565—1325-__	B	Do-it-yourself solderless stackup banana plug	ABS	1.35	1.28	1.22
565—5169-__	C	Insulated banana plug w/flexible boot 18-22 AWG	PVC	2.17	2.06	1.96
565—5170-__	C	Insulated banana plug w/flexible boot 14-16 AWG	PVC	2.17	2.06	1.96
565—MDP-__	D	Double banana with wire guide	ABS	2.33	2.21	2.10
565—MDP-S-__	D	Double banana with shorting bar	ABS	3.78	3.59	3.41
565—122505A	E	Retractable sheath banana plug Black	LAP	3.93	3.73	3.55
565—122506A	E	Retractable sheath banana plug Red	LAP	3.93	3.73	3.55
565—4513	F	Miniature banana plug with threaded stud .48in	-	1.81	1.72	1.63
565—3276	F	Miniature banana plug w/ threaded stud .23in	-	1.25	1.19	1.13
565—3268	G	Miniature rivet type banana plug .062in panel	-	1.09	1.04	.98
565—2035-__	H	Miniature Dbl. banana plug w/shorting bar	ABS	4.92	4.67	4.44
Jacks						
565—1581-__	I	Panel mount banana jack	P	.98	.93	.88
565—2854-__	I	Panel mount banana jack	P	1.97	1.87	1.78
565—2269-0	J	Double Pnl Mnt. banana jacks with black mounting base	P	2.69	2.56	2.43
565—4243-__	K	Binding post with double mounting base	P	5.18	4.92	4.67
565—2142-__	I	Miniature banana jack, panel mount	P	1.24	1.18	1.12
565—2143-__	J	Miniature banana jack in Dbl. Mounting base, Pnl Mnt.	P	3.36	3.19	3.03
565—3542-__	I	Pin tip jack	P	1.45	1.38	1.31
565—4163-0	L	Triple banana jack	P	5.90	5.61	5.32
565—5168-__	M	Insulated banana jack with flexible boot 14-16 AWG	PVC	2.17	2.06	1.96
565—3267	N	Uninsulated banana jack	-	.93	.88	.84
565—6728-__	O	4mm Safety banana jack to banana plug adapter	Nylon 6	3.05	2.90	2.75
565—6720-__	P	4mm Safety banana jack to 6/32 thread adapter	Nylon 6	3.05	2.90	2.75
565—3452-__	Q	Dual Pin Tip Jack with shorting bar	P	4.56	4.33	4.12
565—4995-__	R	Spring Loaded Binding Post	Nylon	17.60	16.70	15.90

Pomona BINDING POSTS

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr. Mfr. Part No.	Fig.	Description	Price Each 1	25	50
565—6883	S	Dual binding posts	2.43	2.31	2.19
565—6884	T	Dual binding posts, raised base	2.16	2.05	1.95

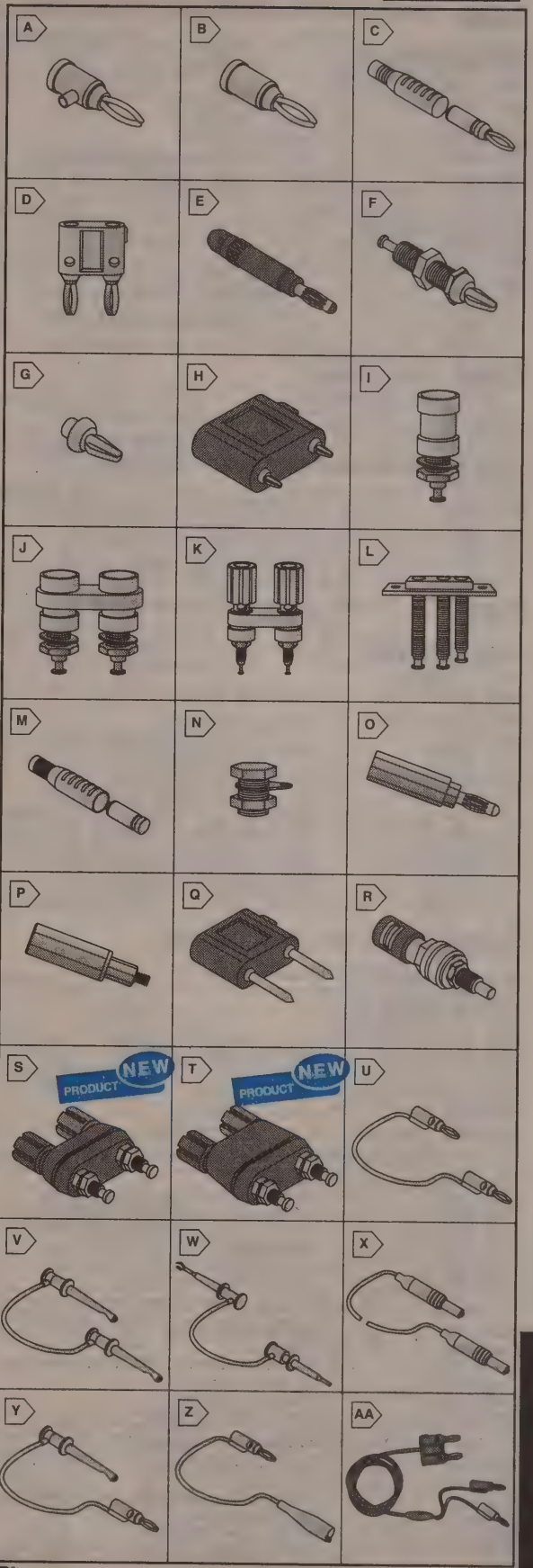
Pomona TEST LEADS

Current rating: 5A

Replace blank with 0 for Black, 2 for Red

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr. Mfr. Part No.	Fig.	Description	Length (In.)	Price Each 1	25	50
Patch Cords						
565—B4-__	U	Stacking standard banana plug each end	4	3.99	3.79	3.60
565—B8-__	U	Stacking standard banana plug each end	8	3.99	3.79	3.60
565—B12-__	U	Stacking standard banana plug each end	12	3.99	3.79	3.60
565—B18-__	U	Stacking standard banana plug each end	18	3.99	3.79	3.60
565—B24-__	U	Stacking standard banana plug each end	24	3.99	3.79	3.60
565—B36-__	U	Stacking standard banana plug each end	36	3.99	3.79	3.60
565—B48-__	U	Stacking standard banana plug each end	48	4.40	4.18	3.97
565—B72-__	U	Stacking standard banana plug each end	72	4.40	4.18	3.97
565—1440-24-__	U	Cross stacking banana plug patch cord	24	5.96	5.66	5.38
565—1440-36-__	U	Cross stacking banana plug patch cord	36	5.96	5.66	5.38
565—1440-48-__	U	Cross stacking banana plug patch cord	48	5.96	5.66	5.38
565—1440-60-__	U	Cross stacking banana plug patch cord	60	5.96	5.66	5.38
565—4613-12-__	V	Micrograbber test clip patch cord	12	5.90	5.61	5.32
565—4613-24-__	V	Micrograbber test clip patch cord	24	5.90	5.61	5.32
565—4613-36-__	V	Micrograbber test clip patch cord	36	5.90	5.61	5.32
565—3781-8-__	V	Minigrabber test clip each end	8	3.68	3.50	3.32
565—3781-12-__	V	Minigrabber test clip each end	12	3.68	3.50	3.32
565—3781-24-__	V	Minigrabber test clip each end	24	3.68	3.50	3.32
565—3781-36-__	V	Minigrabber test clip each end	36	3.68	3.50	3.32
565—3781-48-__	V	Minigrabber test clip each end	48	3.99	3.79	3.60
565—5301-12-__	W	SMD Grabber test clip patch cord	12	6.16	5.85	5.56
565—5301-24-__	W	SMD Grabber test clip patch cord	24	6.16	5.85	5.56
565—5301-36-__	W	SMD Grabber test clip patch cord	36	6.16	5.85	5.56
565—4911A-12-__	X	Retractable sheath banana plug patch cord	12	9.52	9.04	8.59
565—4911A-18-__	X	Retractable sheath banana plug patch cord	18	9.52	9.04	8.59
565—4911A-24-__	X	Retractable sheath banana plug patch cord	24	9.52	9.04	8.59
565—4911A-36-__	X	Retractable sheath banana plug patch cord	36	9.52	9.04	8.59
565—4911A-48-__	X	Retractable sheath banana plug patch cord	48	9.52	9.04	8.59
565—4911A-60-	X	Retractable sheath banana plug patch cord	60	9.52	9.04	8.59
Test Clips						
565—3782-12-__	Y	Minigrabber test clip to stacking ban. plug	12	3.68	3.50	3.32
565—3782-24-__	Y	Minigrabber test clip to stacking ban. plug	24	3.68	3.50	3.32
565—3782-36-__	Y	Minigrabber test clip to stacking ban. plug	36	3.68	3.50	3.32
565—3782-48-__	Y	Minigrabber test clip to stacking ban. plug	48	3.99	3.79	3.60
565—1166-24-__	Z	Multi-stacking banana plug to alligator clip	24	4.41	4.19	3.98
565—1166-36-__	Z	Multi-stacking banana plug to alligator clip	36	4.41	4.19	3.98
565—1166-48-__	Z	Multi-stacking banana plug to alligator clip	48	4.76	4.52	4.30
565—1368-A-18	AA	Multi-stacking double to single banana plugs	18	22.78	21.64	20.56
565—1368-A-24	AA	Multi-stacking double to single banana plugs	24	22.78	21.64	20.56
565—1368-A-30	AA	Multi-stacking double to single banana plugs	30	22.78	21.64	20.56
565—1368-A-36	AA	Multi-stacking double to single banana plugs	36	22.78	21.64	20.56
565—1368-A-48	AA	Multi-stacking double to single banana plugs	48	22.78	21.64	20.56
565—1368-A-60	AA	Multi-stacking double to single banana plugs	60	22.78	21.64	20.56



POMONA Test Clips and Enclosures

Pomona TEST LEAD HOLDERS AND PATCH CORDS KITS

For quantities greater than listed. call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Max Cable Dia. (IN)	Price Each 1	25	50
565—	1508	A	Test lead holder, orange	0.210	10.15	9.64	9.16
565—	2708	A	Test lead holder, blue	0.450	10.15	9.64	9.16
565—	4408	A	Test lead holder, black	0.320	8.29	7.88	7.48
565—	5523	B	Patch cord Kit: 10pcs, 1 ea. Standard color.	-	32.51	30.88	29.34

Pomona GRABBERS AND TEST CLIPS

Replace blank with **0** for **Black**, **2** for **Red**

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Max Wire Dia. (IN)	Price Each 1	25	50
565—	3925-__	C	Do-it-yourself Minigrabber test clip .09Ga	0.09	1.45	1.38	1.31
565—	4555-__	C	Do-it-yourself Minigrabber test clip .144Ga	0.14	1.45	1.38	1.31
565—	4233-__	D	Do-it-yourself Micrograbber test clip	0.10	1.50	1.43	1.35
565—	5243-__	E	Do-it-yourself SMD Grabber test clip	0.05	1.97	1.87	1.78
565—	4723-__	F	Minigrabber test clip with banana Jack	0.15	4.41	4.19	3.98

Pomona TEST CLIPS

Replace blank with **0** for **Black**, **2** for **Red**

For quantities greater than listed, call for quote.

565—	5788-__	G	Miniature alligator to 2mm banana jack	0.24	1.81	1.72	1.63
565—	2240-__	H	Alligator test clip to banana jack, with insulator	0.30	.67	.64	.60

Pomona MICRO SMD GRABBER TEST CLIPS

Replace blank with **0** for **Black**, **2** for **Red**

For quantities greater than listed, call for quote.

565—	6490-__	I	Micro SMD Grabber Test Clip for 0.05 to 0.02in.	-	18.64	17.71	16.82
565—	6311	J	Micro SMD Grabber .0.03 to 0.01in. Long	0.55"	77.65	73.77	70.08
565—	6312	J	Micro SMD Grabber 0.05 to 0.01in. Long	0.55"	77.65	73.77	70.08
565—	6313	J	Micro SMD Grabber 0.05 to 0.01in. Short	0.55"	67.29	63.93	60.73
565—	4771-36-__	K	Order to attach SMD Grabber Test Clip to DMM.	-	4.87	4.63	4.40

Pomona TELECOM PRODUCTS (BANTAM PLUGS)

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Length (IN)	Price Each 1	25	50
565—	4279-12	L	Bantam plug patch cable	12	25.78	24.49	23.27
565—	4279-24	L	Bantam plug patch cable	24	25.78	24.49	23.27
565—	4279-36	L	Bantam plug patch cable	36	25.78	24.49	23.27
565—	4279-48	L	Bantam plug patch cable	48	27.49	26.12	24.81
565—	4279-60	L	Bantam plug patch cable	60	27.49	26.12	24.81
565—	5026-36	M	Bantam plug to 2 alligator clips patch cable	36	29.45	27.98	26.58
565—	5026-60	M	Bantam plug to 2 alligator clips patch cable	60	31.01	29.46	27.99
565—	4281-36	N	Bantam plug to double banana plug, balanced line	36	40.53	38.50	36.58
565—	4281-48	N	Bantam plug to double banana plug, balanced line	48	40.53	38.50	36.58
565—	4281-60	N	Bantam plug to double banana plug, balanced line	60	40.53	38.50	36.58
565—	4280-36	O	Bantam plug to WE310 plug patch cable	36	36.24	34.43	32.71
565—	4280-48	O	Bantam plug to WE310 plug patch cable	48	36.24	34.43	32.71
565—	4280-60	O	Bantam plug to WE310 plug patch cable	60	36.24	34.43	32.71

Pomona BOXES AND ENCLOSURES

Miniature Size Die Cast Aluminum Boxes

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
565—	3752	P	Blue Bake Enamel Finish BNC (FML) to BNC(Male)	25.36	24.09	22.89
565—	3753	P	Blue Bake Enamel Finish	7.25	6.89	6.54
565—	3754	P	Unfinished	5.08	4.83	4.58
565—	4742	-	Replacement Cover	3.11	2.95	2.81
565—	3729	-	Flange Mounting Cover	4.14	3.93	3.74
565—	4864	-	Cover Screws, 100/Package	15.53	14.75	14.02

"A" Size Die Cast Aluminum Boxes (2.25" x 1.13" x .88")

For quantities greater than listed, call for quote.

565—	2400	Q	Unfinished	6.37	6.05	5.75
565—	2397	Q	Blue Bake Enamel Finish	6.88	6.54	6.21
565—	2390	Q	Blue Bake Enamel Finish BNC (FML) to BNC(FML)	22.78	21.64	20.56
565—	2391	Q	Blue Bake Enamel Finish BNC (Male) to BNC(FML)	24.85	23.61	22.43
565—	4245	-	Replacement Cover	3.11	2.95	2.81
565—	3728	-	Flange Mounting Cover	4.14	3.93	3.74
565—	4864	-	Cover Screws, 100/Package	15.53	14.75	14.02

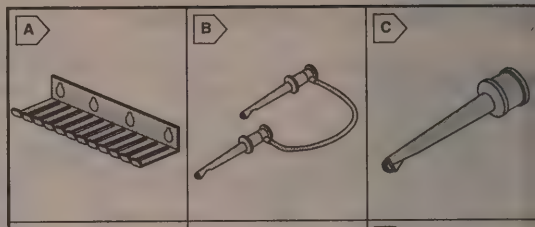
"B" Size Die Cast Aluminum Boxes (2.25" x 1.38" x 1.13")

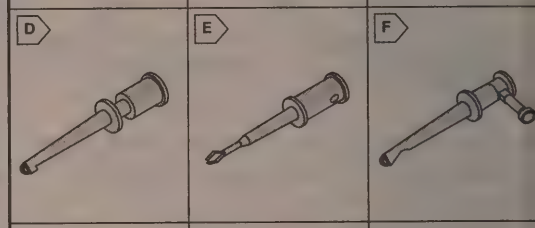
For quantities greater than listed, call for quote.

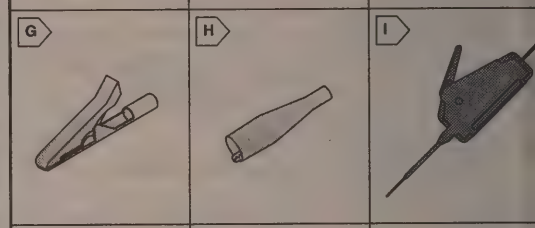
565—	2417	Q	Blue Bake Enamel Finish	7.25	6.89	6.54
565—	2428	Q	Unfinished	6.73	6.39	6.07
565—	3230	Q	Blue Bake Enamel Finish BNC (FML) to BNC(FML)	21.69	20.61	19.58
565—	4246	-	Replacement Cover	3.11	2.95	2.81
565—	3719	-	Flange Mounting Cover	4.14	3.93	3.74
565—	4864	-	Cover Screws, 100/Package	15.53	14.75	14.02

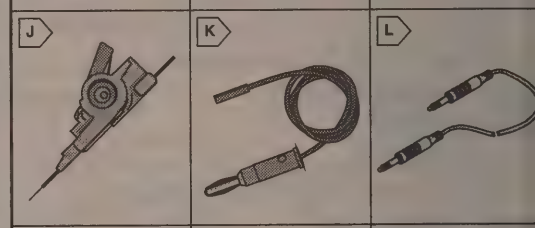
"C" Size Die Cast Aluminum Boxes With Cover (4.25" x 2.64" x 1.71")

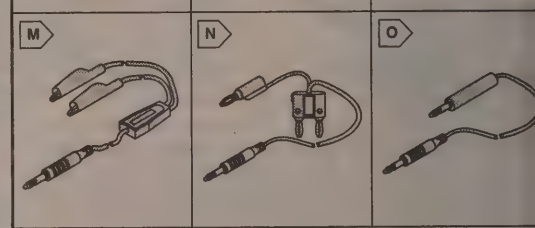
565—	2901	R	Blue Bake Enamel Finish	17.60	16.72	15.88
565—	2906	R	Unfinished	14.80	14.06	13.36
565—	2902	R	Blue Bake Enamel Finish BNC (FML) to BNC(FML)	34.84	33.10	31.44
565—	4248	-	Replacement Cover	5.18	4.92	4.67
565—	6268	-	Cover Screws, 100/Package	15.53	14.75	14.02
565—	2352	-	Connector Screws with Solder Turret for all Boxes	52.80	50.16	47.65

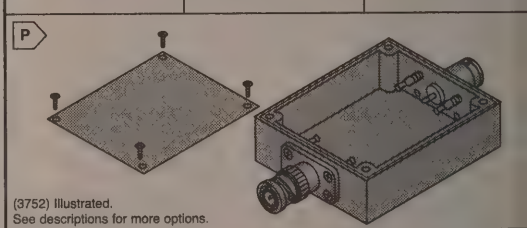




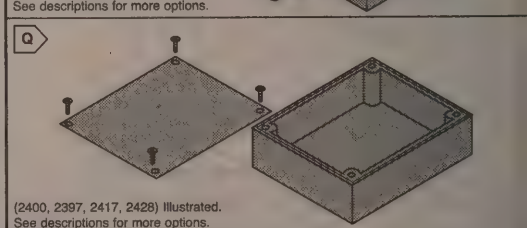




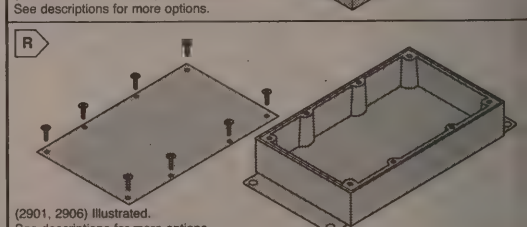




(3752) Illustrated.
See descriptions for more options.



(2400, 2397, 2417, 2428) Illustrated.
See descriptions for more options.

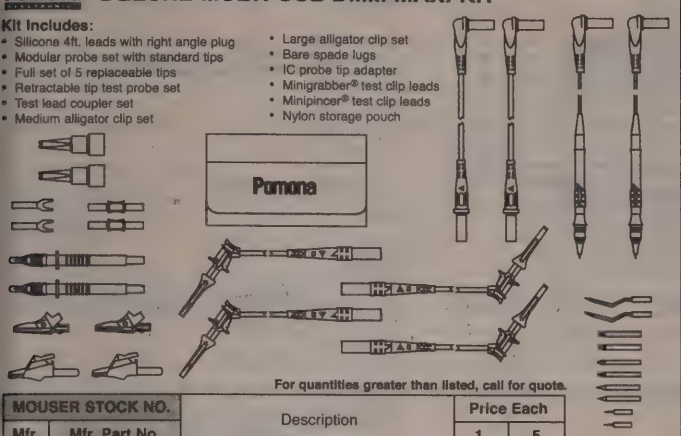


(2901, 2906) Illustrated.
See descriptions for more options.

POMONA Test Lead Kits and Probe Sets

DELUXE MULTI-USE DMM MAXI-KIT

Kit Includes:
- Silicone 4ft. leads with right angle plug
- Modular probe set with standard tips
- Full set of 5 replaceable tips
- Retractable tip test probe set
- Test lead coupler set
- Medium alligator clip set
- Large alligator clip set
- Bare spade lugs
- IC probe tip adapter
- Minigrabber® test clip leads
- Minipincer® test clip leads
- Nylon storage pouch

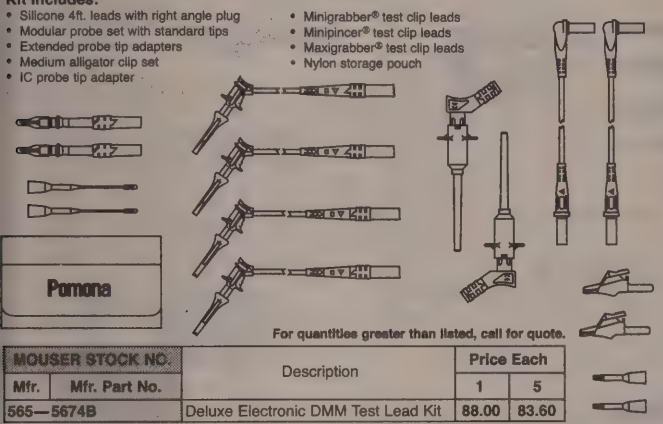


For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each 1	Price Each 5
565—5677B		Deluxe Multi-Use DMM Maxi-Kit	95.00	90.25

DELUXE ELECTRONIC DMM TEST LEAD KIT

Kit Includes:
- Silicone 4ft. leads with right angle plug
- Modular probe set with standard tips
- Extended probe tip adapters
- Medium alligator clip set
- IC probe tip adapter
- Minigrabber® test clip leads
- Minipincer® test clip leads
- Maxigrabber® test clip leads
- Nylon storage pouch

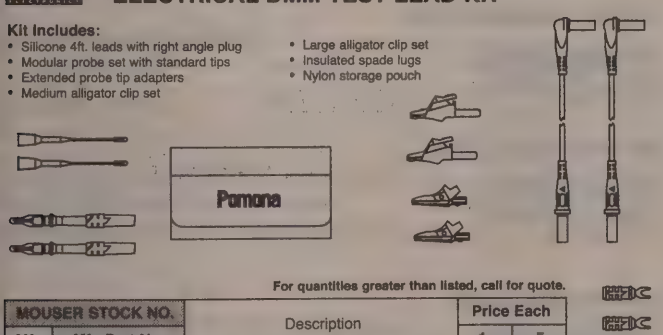


For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each 1	Price Each 5
565—5674B		Deluxe Electronic DMM Test Lead Kit	88.00	83.60

ELECTRICAL DMM TEST LEAD KIT

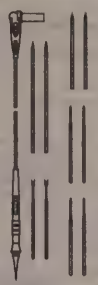
Kit Includes:
- Silicone 4ft. leads with right angle plug
- Modular probe set with standard tips
- Extended probe tip adapters
- Medium alligator clip set
- Large alligator clip set
- Insulated spade lugs
- Nylon storage pouch



For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each 1	Price Each 5
565—5673B		Electrical DMM Test Lead Kit	46.00	43.70

PRECISION ELECTRONIC PROBE SET



Specifications:
- Compact design for tight test situations
- Probe set includes 5 spring-loaded tips for constant contact
- Silicone insulated leads resist abrasion and heat
- Comfort-grip textured surface

Features:
- Replaceable 0.04 in. (1.52 mm) pogo-pin tips
- Small outline for tight test situations
- Replaceable pogo-pin tips
- Fits all meters including Fluke, HP (Agilent), Keithley, Wavetek (Meterman), and others

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each 1	Price Each 5
565—6341		Precision Electronic Probe Set	29.00	27.55
565—6342		Probe Set with Sharp Point Gold	16.65	15.99
565—6275		Probe Set with Sharp Stainless Steel	14.60	14.25
565—6354		Replacement Probe Tips	15.00	14.25

DMM TEST LEAD SET

Specifications:
- CAT III
- 1,000V
- Silicone insulated 4 ft. leads
- Comfort-grip textured surface
- Durable 0.06" tips for long life

Features:
- Monolithic probes with fixed tips
- Comfort grip probe
- Fits most DMMs from Fluke, HP (Agilent), Wavetek (Meterman), Amprobe, Greenlee and others

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each 1	Price Each 5
565—5519A		DMM Test Lead Set	9.90	9.41
565—5898		Stainless Steel Heavy Duty Tip	10.40	9.88

KELVIN LEAD SET WITH KELVIN CLIPS

Features:
- Gold plated Kelvin clip jaws allow 4-wire resistive measurements
- Silicone insulated 3.3 ft. (1 m) test lead
- safety sheathed straight DMM plugs for convenient bench use
- Clips firmly grip test points for low-loss connection

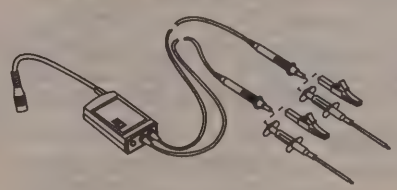
Rating:
For CE compliance: not intended for hand held use at voltages above 33 Vrms/ 70 VDC

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each 1	Price Each 5
565—6730		Kelvin Lead Set with Kelvin Clips	99.00	94.05

DIFFERENTIAL OSCILLOSCOPE PROBE

Pomona Model 6731 differential voltage probe allows users to safely make floating high voltage measurements while using general purpose oscilloscopes. Using a built-in differential amplifier, the floating signal is converted and scaled to a low-voltage signal referenced to earth ground. The probe can be used on circuits associated with electronic high-power converters, motor speed controls, switching mode power supplies, and other high voltage circuits requiring isolation.



Features:
- Switchable attenuation of 20:1 and 200
- High impedance to ground for both positive and negative side of the balanced input
- Maximum differential voltage up to 1000V
- Bandwidth from DC to 20 MHz (-3 dB)
- Risetime: 17.5 ns
- The probe input uses shrouded banana test probe tip
- The output to the oscilloscope is made with a BNC cable with a safety insulated BNC male connector

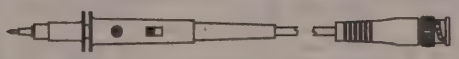
Included with the 6731:
- Large jaw alligator clips (one red, one black)
- Pin-Grabber test clips (one red, one black)
- 9V Alkaline battery

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each 1	Price Each 5
565—6731		Differential Oscilloscope Probe	499.00	474.05
565—6732		Universal Power Adapter	74.00	70.30

REPLACEMENT PASSIVE OSCILLOSCOPE PROBES

Pomona's oscilloscope probes are designed, rated and specified to match the bandwidth of your instrument. This gives you a full voltage read-out through the entire rated bandwidth of the probe. These monolithic passive voltage probes feature high performance for greater test flexibility. Complete accessory kit included. Finally, a probe that gives you the full range you're paying for.

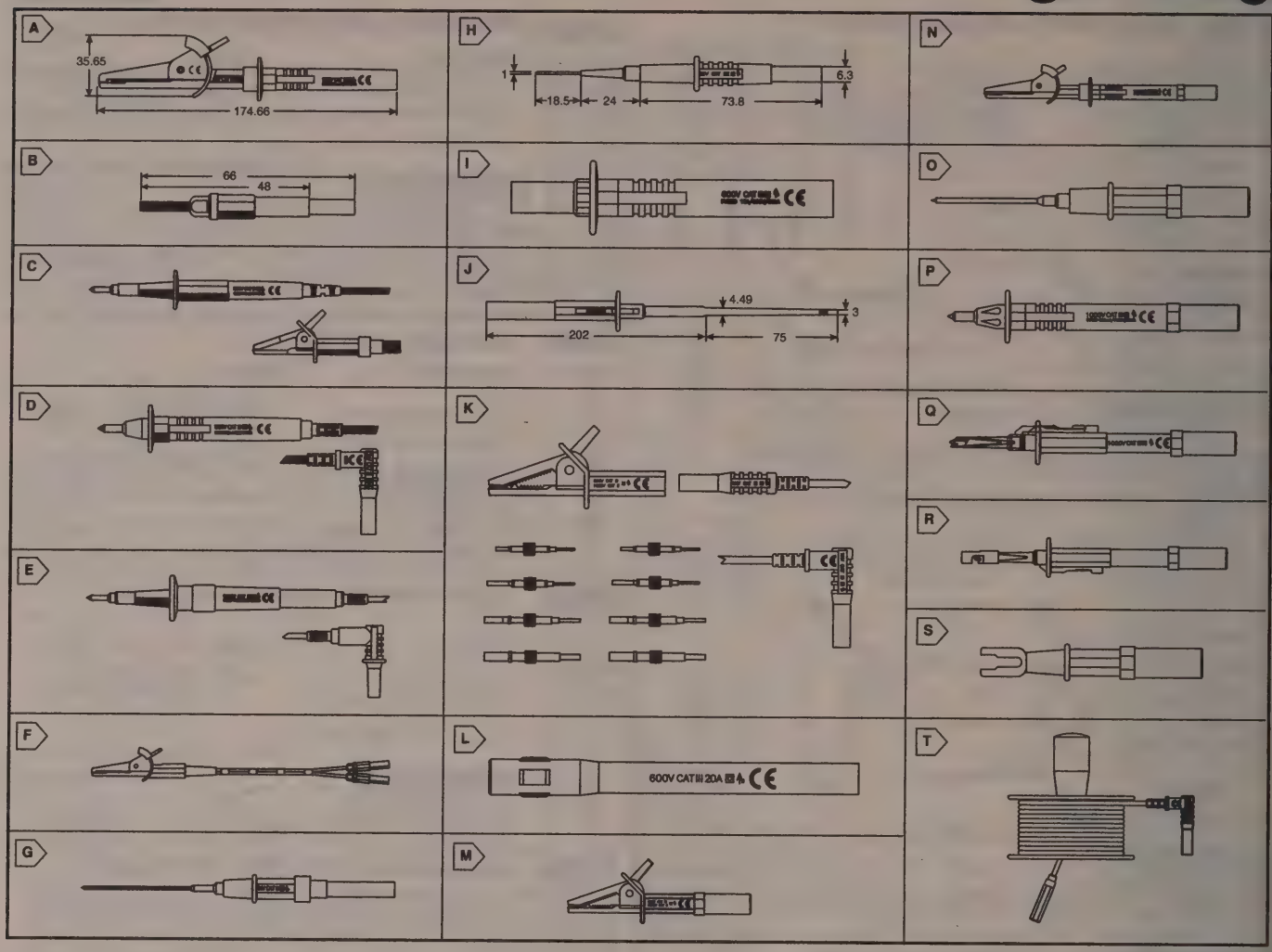


For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Attenuation	Bandwidth MHz	Risetime ns	Input Resistance M Ohm	Capacitance pF	Compensation Range pF	Max Input Voltage	Price Each 1	Price Each 5
565—6266		X1/X10	20/60	17.5/5.83	1/10	65/11	NA/10~60	300	34.00	32.30
565—4550B		X1/X10	15/100	23.33/3.5	1/10	64/10.5	NA/10~60	300	53.31	50.18
565—5806A		X1/X10	20/200	17.5/1.75	1/10	77/11.5	NA/10~60	300	56.00	53.20
565—5827A		X100	200	1.75	10	5.5	15~50	300	90.00	87.00
565—6069A		X10	250	1.4	10	10	10~30	300	52.00	49.40

SILVERTRONIC Fused Test Connectors

SILVERTRONIC



DIMENSIONS (mm)

FUSED CROCODILE CLIPS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
835—126065/B		A	Fused Crocodile Clip Black	10.53	10.00	9.50
835—126065/R		A	Fused Crocodile Clip Red	10.53	10.00	9.50
835—116048		-	Replacement Fuse 1000V 500mA	2.57	2.44	2.32

4MM SELF ASSEMBLY PLUGS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
835—125041/B		B	4mm Shutter Plug Black	1.84	1.75	1.66
835—125041/R		B	4mm Shutter Plug Red	1.84	1.75	1.66

PROBE KITS AND TEST LEADS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
835—131009		C	Deluxe Fuse Probe Kit	41.58	39.50	37.53
835—116048		-	Replacement Fuse 1000V 500mA	2.57	2.44	2.32
835—131301		D	OEM Fused Probe Kit	20.68	19.65	18.67
835—131350		E	Heavy Duty Fused Probe Kit	33.75	32.06	30.46
835—116048		-	Replacement Fuse 1000V 500mA	2.57	2.44	2.32
835—129141		F	Kelvin Lead set with Crocs	49.14	46.68	44.35

FUSED PROBE ACCESSORIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
835—124110/B		G	Screw-in Thin Spike Black	4.19	3.98	3.78
835—124110/R		G	Screw-in Thin Spike Red	4.19	3.98	3.78

BACK PROBING PINS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
835—134313		H	Back Probing Pins (Pair)	9.95	8.95	8.05

IN-LINE FUSE LINKS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
835—134309		I	In-Line Fuse Links Black	17.93	17.03	16.18

CABLE PIERCERS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
835—134316		J	Long Reach Cable Piercers (Pair)	21.17	20.11	19.10

MULTI PIN CONNECTOR KIT AND ACCESSORIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
835—129392		K	Multi-Pin Connector Test Lead Kit	120.10	114.10	108.40
835—134338		L	3" Extensions (Pair)	6.41	6.09	5.79
835—134330		M	Flanged Insulated Croc Clips (Pair)	9.61	9.13	8.67
835—134329		N	1000v Fused Croc Clips (Pair)	25.70	24.42	23.20
835—134331		O	Thin Spike Prods (Pair)	10.91	10.36	9.84
835—134335		P	Fused Prods (Pair)	22.82	21.68	20.60
835—134332		Q	Sprung Hooks (Pair)	9.61	9.13	8.67
835—134333		R	Cable Piercers (Pair)	17.82	16.93	16.08
835—134337		S	Full Safety Spade Terminals (Pair)	8.10	7.70	7.32
835—134328		T	Cable Reel Extension 40 Ft Black	44.06	41.86	39.77

AMP Tools & Accessories

tyco Electronics

Crimping Tools		Insertion Tool	Extraction Tool	Accessories	Use with Connector Series
Pro-Crimper	Certi-Crimp				
571-908721			571-3188371		.093 Pin and Socket
571-908711			571-3188371		.093 Pin and Socket
571-908701			571-3188311		.062 Pin and Socket
571-908691			571-3188311		.062 Pin and Socket
				571-598031	MTA-100
				571-580741	MTA-100
				571-598041	MTA-156
				571-580741	MTA-156
571-585141		571-4558301	571-4558222		Miniature Rectangular (MR)
571-905741		571-4558301	571-4656441		Commercial MATE-N-LOK
571-905751					Commercial MATE-N-LOK
571-905481		571-4558301	571-3188511		Universal MATE-N-LOK & MATE-N-LOK II
571-905461					Universal MATE-N-LOK & MATE-N-LOK II
571-584951	571-903822	571-910672	571-910672		CPC
571-584482	571-903841	571-912851	571-910193		CPC
			571-911241		CPC
			571-305183		CPC
		571-912851	571-912851		Amplimite

TOOLS FOR PCB CONNECTORS AND PIN AND SOCKET CONNECTORS

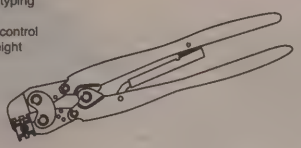
Pro Crimper II Hand Tool

- Field repair / prototyping
- Ratchet control
- Brush / bellmouth control
- Precision crimp height control

MOUSER STOCK NO.	Description	Price Each
571-908721	.093" Pin and Socket cont. 24-18 AWG	162.00
571-908711	.093" Pin and Socket cont. 20-14 AWG	162.00
571-908701	.062" Pin and Socket cont. 30-24 AWG	162.00
571-908691	.062" Pin and Socket cont. 24-18 AWG	162.00
571-585141	Miniature rectangular connectors	182.25
571-905741	Commercial Mate-N-Lok 24-18 AWG	162.00
571-905751	Commercial Mate-N-Lok 20-14 AWG	162.00
571-905481	Universal Mate-N-Lok 24-18 AWG	187.50
571-905461	Universal Mate-N-Lok 20-14 AWG	187.50
571-584951	"Series 1" CPC size 16 contacts	145.50
571-584482	"Series 2" CPC size 20 contacts	145.50
571-3549401	Pro-Crimper II frame	75.00
571-584231	Die set for solderless terminals	45.00

Certi-Crimp Crimping Tool

- Field repair / prototyping
- Ratchet control
- Brush / bellmouth control
- Precision crimp height control

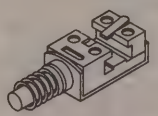


571-903822	"Series 3" CPC type XII 12-16 AWG	707.00
571-903841	"Series 3" CPC type XII 8-10 AWG	707.00

TOOLS FOR MTA SERIES

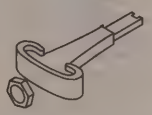
Hand Tool Pistol Grip

MOUSER STOCK NO.	Description	Price Each
571-580741	For MTA Series	55.50



Interchangeable Head for Pistol Grip Hand Tool

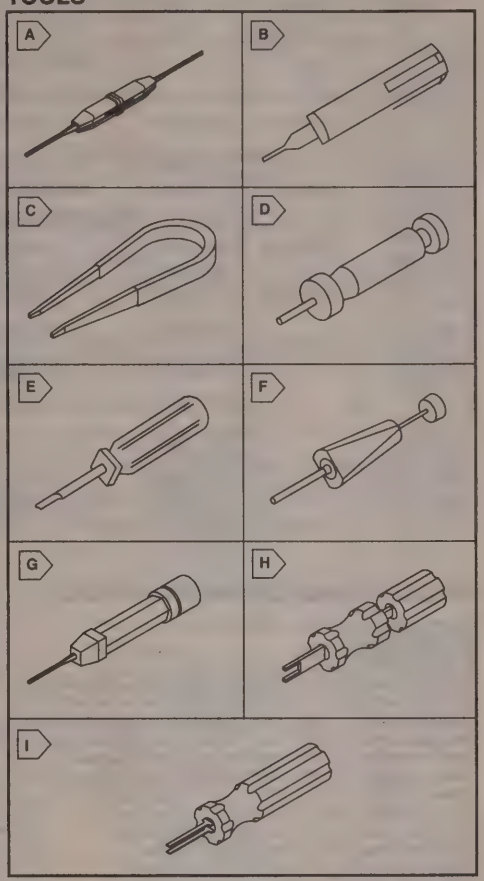
571-58246-1	For MTA .100 Series	109.20
571-582471	For MTA .156 Series	109.20



"T" Handle Maintenance Tool

571-598031	For MTA .100 series	22.00
571-598041	For MTA .156 series	22.00

CONTACT INSERTION/EXTRACTION TOOLS



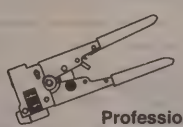
MOUSER STOCK NO.	Fig.	Description	Price Each
571-910672	A	Insertion/extraction, size 20, 22 contacts	5.30
571-3188311	B	Extraction, .062 Pin and Socket	82.50
571-3188511	B	Extraction, Universal Mate-N-Lok	43.99
571-4558301	C	Insertion, Universal Mate-N-Lok and MR	27.20
571-4558222	D	Extraction, Miniature Rectangular	22.30
571-4656441	E	Extraction, Commercial Mate-N-Lok	14.36
571-305183	F	Extraction, size 16 CPC contacts	16.80
571-912851	G	Insertion/extraction, size 20, 22 contacts	15.75
571-910193	H	Extraction, type XII series 3 CPC contacts	151.25
571-911241	I	Extraction, type XII series 4 CPC contacts	32.79

TOOLS FOR MODULAR PLUGS

Professional Hand Tools with Die Sets

- For use with modular plugs
- Cuts, strips, and terminates cable
- All plug sizes, except 10-position, are accommodated using interchangeable die sets

MOUSER STOCK NO.	Description	Price Each
571-22316521	For 8-position line	113.99
571-22316523	For 4-position handset	113.99
571-2-231652-6	For 6-position offset-latch	113.99
571-22316527	For 6-position long body	113.99
571-22316528	For 4, 6-position line	113.99



Die Set Only for Professional Hand Tool

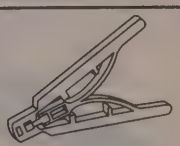
MOUSER STOCK NO.	Description	Price Each
571-8534001	8-position line	38.25
571-8534003	4-position handset	38.25
571-853400-6	6-position offset-latch	38.25
571-8534007	6-position long body	38.25
571-853400-8	4,6-position line	38.25

Professional Hand Tool Kits

MOUSER STOCK NO.	Description	Price Each
571-12316661	4-position handset, 4, 6, and 8-position die sets, set of replacement strip blades and small screwdriver	237.92
571-2316625	(1) set of strip blades	3.50

Economy Hand Tool

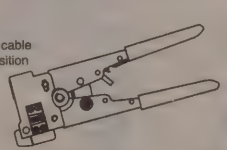
- For use with modular plugs
- Strips and terminates cable
- Light weight



MOUSER STOCK NO.	Description	Price Each
571-2316481	2, 4, and 6-position plugs	24.48

"Category 5" High Performance Crimp Tool

- For use with modular plugs
- Cuts, strips, and terminates cable
- All plug sizes, except 10-position are accommodated using interchangeable die sets



MOUSER STOCK NO.	Description	Price Each
571-32316520	8-position modular crimp tool with die	113.99

Tool Matrix

Crimping Tool	Insertion Tool	Extraction Tool	Use With Connector Series
63811-0200 63811-0300		57072-6000	1.25mm Crimp Terminal
63811-1400			1.27mm Micro-D
11-01-0185 63811-3300 63811-1000	11-02-0001	11-03-0002	.062" Pin and Socket
63811-3500		11-01-0168	.084" Pin and Socket
63811-1000 63811-3200	11-02-0003	11-03-0006	.093" Pin and Socket
11-01-0204			2mm Milli-Grid™ Crimp Terminal
11-01-0208 11-01-0209	11-02-0022	11-03-0036	2.54mm SL™
11-01-0206		11-03-0037	Disk Drive
11-01-0185	63812-0000	11-03-0022	KK-100
11-01-0185 63811-2200 11-01-0203		11-03-0016	KK-156
63811-2800		11-03-0043	Micro-Fit 3.0™
11-01-0199 11-01-0197 11-01-0198		11-03-0044	Mini-Fit™ Jr.
63811-1500 63811-1600		63813-0400	Mini-Fit™ Sr.
63811-4400		63813-1500	MX150L™
63811-0400		63813-0500	Sabre™ 7.5mm (Female)
63811-0600		63813-0800	Sabre™ 7.5mm (Male)

INSERTION AND EXTRACTION TOOLS

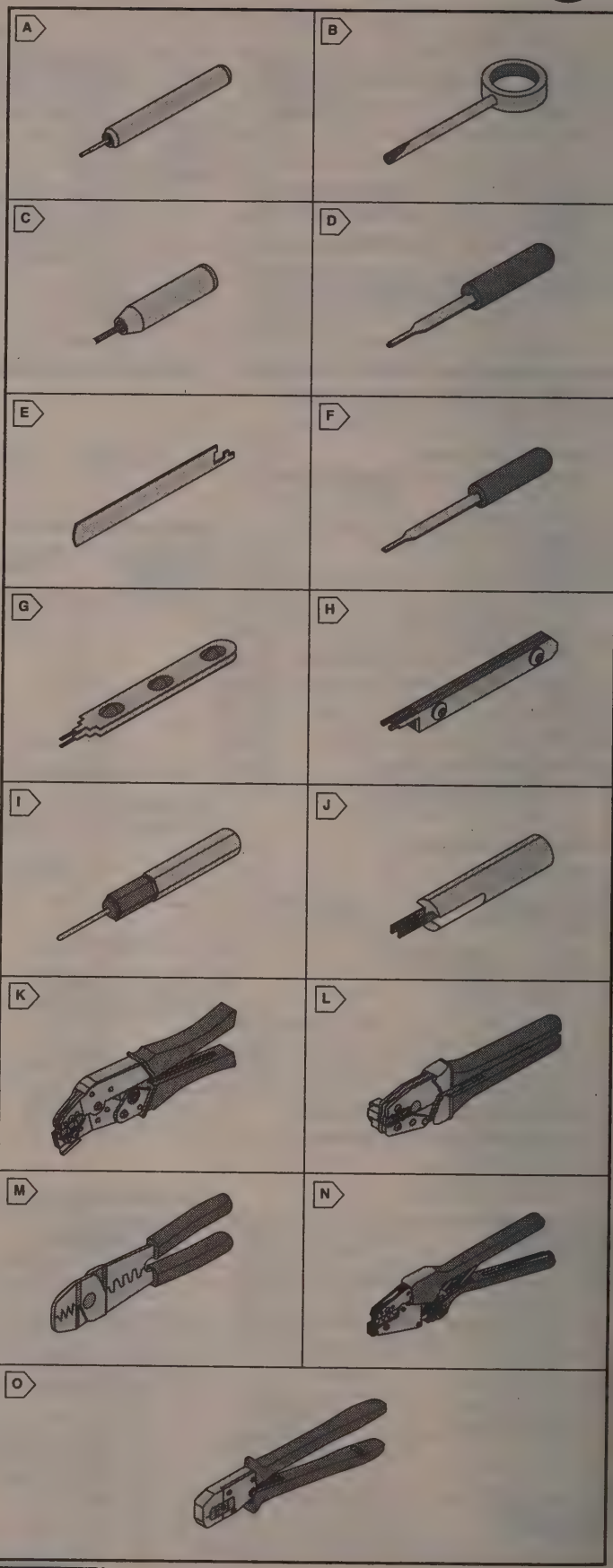
MOUSER STOCK NO.	Fig.	Description	Price Each
538-57072-6000	A	1.25mm Crimp Terminal Extraction Tool	127.41
538-11-02-0001	B	.062" Pin and Socket Insertion Tool	13.61
538-11-03-0002	A	.062" Pin and Socket Extraction Tool	18.17
538-11-01-0168	C	.084" Pin and Socket Extraction Tool	59.35
538-11-02-0003	B	.093" Pin and Socket Insertion Tool	15.31
538-11-03-0006	A	.093" Pin and Socket Extraction Tool	18.17
538-11-02-0022	D	2.54mm SL™ Insertion Tool	9.08
538-11-03-0036	A	2.54mm SL™ Extraction Tool	13.40
538-11-03-0037	A	Disk Drive Extraction Tool	15.31
538-63812-0000	A	KK-100 Insertion Tool	13.40
538-11-03-0022	E	KK-100 Extraction Tool	9.08
538-11-03-0016	F	KK-156 Extraction Tool	9.08
538-11-03-0043	G	Micro-Fit 3.0™ Extraction Tool	18.00
538-11-03-0044	G	Mini-Fit™ Jr. Extraction Tool	17.00
538-63813-0400	H	Mini-Fit™ Sr. Extraction Tool	72.00
538-63813-1500	I	MX150L™ Extraction Tool	17.68
538-63813-0500	F	Sabre™ 7.5mm (Female) Extraction Tool	19.85
538-63813-0800	J	Sabre™ 7.5mm (Male) Extraction Tool	66.97

TOOLS FOR PCB AND PIN AND SOCKET CONNECTORS

Features:

- Improved ergonomic design which improves comfort and grip
- Small handle spread which make this style tool ideally suited for end users
- Ratchet with safety release that ensures consistent performance

MOUSER STOCK NO.	Fig.	Description	Price Each
538-63811-0200	K	1.25mm Crimp Terminal 32-28 AWG	196.28
538-63811-0300	K	1.25mm Crimp Terminal 28-26 AWG	196.28
538-63811-1400	K	1.27mm Micro-D 28-26 AWG	225.97
538-11-01-0185	K	.062" Pin and Socket 30-22 AWG	197.00
538-63811-3300	L	.062" Pin and Socket 24-18 AWG	204.22
538-63811-1000	M	.062" & .093" Pin and Socket 24-14 AWG	38.36
538-63811-3500	N	.084" Pin and Socket 20-14 AWG	279.00
538-63811-3200	L	.093" Pin and Socket 22-14 AWG	222.26
538-11-01-0204	K	2mm Milli-Grid™ Crimp Terminal 30-24 AWG	197.00
538-11-01-0208	K	2.54mm SL™ 24-22 AWG	197.00
538-11-01-0209	K	2.54mm SL™ 30-24 AWG	197.00
538-11-01-0206	K	Disk Drive 22-14 AWG	197.00
538-11-01-0185	K	KK-100 & KK-156 30-22 AWG	180.00
538-63811-2200	K	KK-156 24-18 AWG	196.28
538-11-01-0203	K	KK-156 30-18 AWG	197.00
538-63811-2800	K	Micro-Fit 3.0™ 30-20 AWG	196.28
538-11-01-0199	N	Mini-Fit™ Jr. 16 AWG	197.00
538-11-01-0197	K	Mini-Fit™ Jr. 24-18 AWG	197.00
538-11-01-0198	K	Mini-Fit™ Jr. 28-22 AWG	197.00
538-63811-1500	O	Mini-Fit™ Sr. 8 AWG	369.00
538-63811-1600	O	Mini-Fit™ Sr. 12-10 AWG	369.00
538-63811-4400	O	MX150L™ 22-14 AWG	378.00
538-63811-0400	N	Sabre™ 7.5mm (Female) 18-14 AWG	256.18
538-63811-0600	N	Sabre™ 7.5mm (Male) 18 AWG	255.46



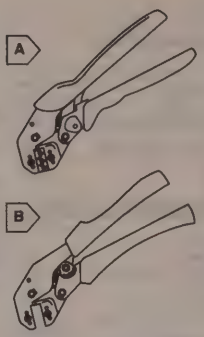
MOUSER ELECTRONICS a tti company
(800) 346-6873

SARGENT QUALITY TOOLS Crimp Tools and Dies

4200 AND 4100 SERIES CRIMP TOOLS

- Molded cushion grips minimize user fatigue
- All working components are heat treated
- Positive ratcheting assembly
- Tool life is conservatively rated at 50,000 cycles

Tool frame only. Die set not included. Optional interchangeable die sets are listed below.



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
624-4200	A	Super Ergonomic: 11.5" long for two handed crimping, utilizes 4100 series dies, designed to achieve UL tensile requirements	75.71	69.65
624-4100	B	Super Crimp: meet or exceed all UL tensile requirements, interlocking die sets are easily interchanged	59.23	54.49

SARGENT QUALITY TOOLS INTERCHANGEABLE DIES (4100 AND 4200 SERIES TOOLS)

- For use with 4100 and 4200 series crimp tool
- All die sets interlock to assure alignment
- Mounted to frame or moveable jaw with single screw

D-Sub, Open Barrel Contact Crimp

- Conductor and insulation crimp meet OEM specs and are produced in one tool closure
- Conductor crimps: "B" type
- Insulation crimps: "oval" type produced in two cavities: front 28-24AWG, rear 24-20AWG

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 5
624-4100-27	60.00	55.20

Insulated Terminal Crimp

- Produced in three cavities: red 22-16AWG, blue 16-14AWG, and yellow 12-10AWG

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 5
624-4100-40	39.55	36.39

RG59 Ferrule Crimp

- Crimps the RG59 ferrule on CATV connectors to a .324" hex and the RG6 to a .360" hex

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 5
624-4100-72	35.00	32.20

Wire Tip Ferrule Crimp

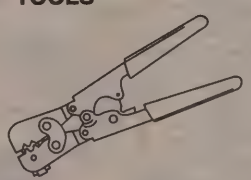
- Crimps wire tip ferrules with and without plastic insulator collar to metric standards
- Crimps are produced in five cavities: 0,25-0mm^2, 0,75-1, 5mm^2, 4,0mm^2, and 6,0mm^2 (28-10AWG)

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 5
624-4100-83M	60.00	54.00

SARGENT QUALITY TOOLS O.E.M. COMPATIBLE CRIMP TOOLS

- Exacting crimps produced by these tools conform to all commercial specifications
- Conductor and insulation crimps conform to O.E.M. specs and are produced in one tool closure
- Locator and wire stop are provided to orient the pins or sockets (excluding part no. 624-3135CT)



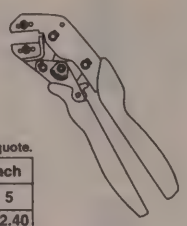
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	O.E.M.	Description	Price Each 1	Price Each 5
624-3127CT	AMP 90312	D-sub Pins & Sockets Crimps: 28-24 AWG & 24-20 AWG	118.41	106.57
624-3131CT	AMP 90277	Multimate Pins & Sockets Crimps: 28-24 AWG, 24-20 AWG & 18-16 AWG	118.41	106.57
624-3132CT	Molex 1031E	.093 Power Pins & Sockets Crimps: 24-20 AWG & 18-14 AWG	118.41	106.57
624-3133CT	Molex 1719C	.062 Power Pins & Sockets Crimps: 24-20 AWG & 18 AWG	118.41	106.57
624-3134CT	Molex 2262	.093 Pin & Socket Crimps: 30-24 AWG	118.41	106.57
624-3135CT	Molex 2262A	.100 Interconnection System Crimps: 30-28 AWG & 26-24 AWG	118.41	106.57
624-3136CT	Molex 2445A	.156 Interconnection System Crimps: 26-22 AWG & 30-24 AWG	118.41	106.57
624-3137CT	Raychem AD1377	Commercial Grade Butt Splices Crimps: 26-20 AWG, 20-16 AWG & 16-12 AWG	118.41	106.57

SARGENT QUALITY TOOLS 2100 SERIES SUPER CRIMP TOOL

- Multi purpose frame
- Compact lightweight design
- Tool life conservatively rated at 50,000 cycles

Tool frame only. Die set not included. Optional interchangeable die sets are listed below.



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each 1	Price Each 5
624-2100	Super Crimp Frame; supplied complete with die mounting screws, standard dies available for most popular product applications	56.95	52.40

SARGENT QUALITY TOOLS INTERCHANGEABLE DIES (2100 SERIES TOOLS)

- For use with 2100 series crimp tool
- All die sets interlock to assure perfect alignment
- Mounted to frame or moveable jaw with single screw

Modular Plug Crimp

- Crimps RJ11, 6 position plugs
- Crimps 6, 4 and 2 conductors in RJ11, 6 position plugs

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 5
624-2100-06	39.37	36.22

- RJ45, 8 position keyed or non-keyed plugs
- Crimps conductor and primary strain relief of AMP and Stewart configuration modular plugs in one crimp cycle

For quantities of 10 and up, call for quote.

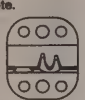
MOUSER STOCK NO.	Price Each 1	Price Each 5
624-2100-08	35.00	32.20

D-Sub, Open Barrel Crimp

- Crimps high density D-subminiature pin and socket open barrel contacts
- Crimps in two cavities: A 26-22 AWG and B 30-28 AWG

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 5
624-2100-24	60.00	55.20



- Crimps D-subminiature open barrel contacts
- Crimps in two cavities: Front 30-26 AWG and rear 24-20 AWG

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 5
624-2100-27	60.00	55.20

Insulated Terminal Crimp

- Crimps conductor and strain portion of terminals and splices
- Crimps in two cavities: Red 22-18 AWG and Blue 16-14 AWG

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 5
624-2100-42	39.38	36.23

Coax Crimp

- Crimps center pin to a .068 hex, RG58 ferrule to a .213 hex, and RG59 ferrule .255 hex

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 5
624-2100-51	35.00	32.20

- Crimps the center pin to a .068 hex, the RG174 ferrule to a .178 hex and the 8281 ferrule to a .324 hex

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 5
624-2100-52	35.00	32.20

- Crimps the center pin to a .042 or .068 hex, RG58 ferrule to a .190 hex and the RG59 ferrule to a .213 hex on plenum coaxial cable

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 5
624-2100-54	39.38	36.23

- Crimps the center pin to a .042 square or .068 hex
- The ferrule on a small coaxial cable to a .100 and .128 hex and the RG174 ferrule to a .178 or .213 hex

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 5
624-2100-65	39.38	36.23

Fiber Optic Crimp

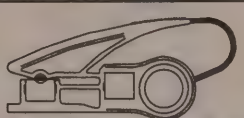
- Crimps outer ferrule on most SMA, SMB or SFB type fiber optic connector to a .151, .178 or .213 hex

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 5
624-2100-75	35.00	32.20

SARGENT QUALITY TOOLS 8700 SERIES STRIP TOOL

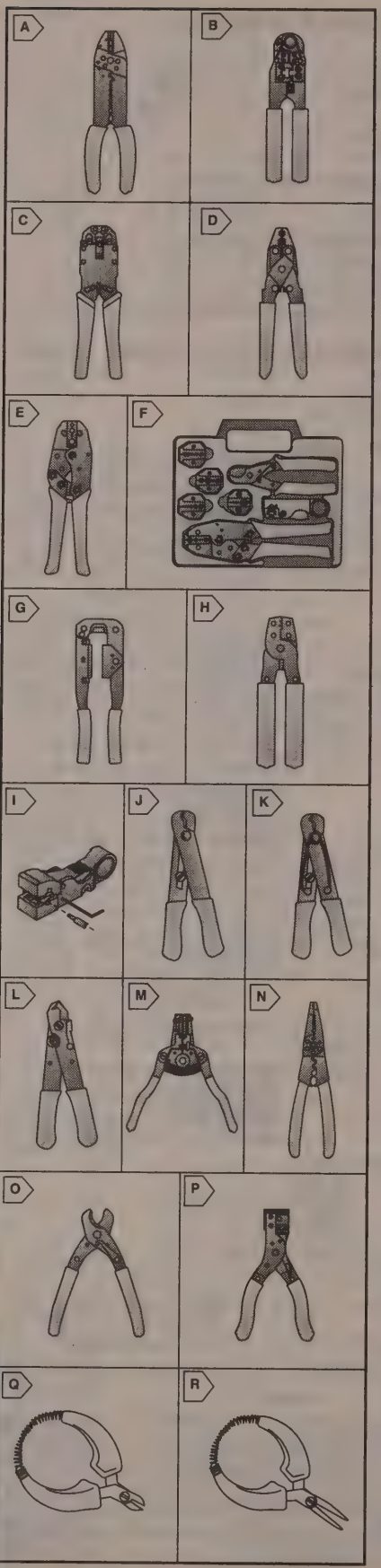
- The stripper body is one piece construction incorporating a molded-in living hinge
- Replacement cartridges can be purchased separately



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each 1	Price Each 5
624-8700ES	Stripper Body with RG6/59 cartridge	16.20	14.58
624-8720ES	Stripper Body with RG6/59 and RG11/7 cartridge	21.14	19.45
624-8740ES	Stripper Body with RG6/59 and Twisted Pair cartridge	21.14	19.45
624-8700RB	Replacement black cartridge strips RG6/59 to industry standard 1/4" x 5/16' prep	5.00	4.50
624-8710RB	Replacement grey cartridge strips RG11/7 to industry standard 1/4" x 5/16" prep	5.00	4.50
624-8730RB	Replacement blue cartridge strips CAT 5	5.35	5.06

Crimping Tools, Wire Strippers, and Cable Cutters



3M SOLDERLESS TERMINAL CRIMPING TOOL

- Crimps, cuts and strips
- Crimps both insulated ad non-insulated solderless terminals

MOUSER STOCK NO.	Fig.	Description	Price Each
517-TH-440	A	Standard crimp for 22-10AWG	37.63
517-TH-450	A	Heavy duty crimp for 26-6 AWG	47.22

///epd eagle plastic devices MODULAR CRIMPING TOOLS

3-Way Modular Crimping Tools

- Deluxe types with Safe Guide and closed lock for storage
- Cuts, strips, and crimps
- Hardened steel frame
- Black oxide finish
- Lightweight and durable

MOUSER STOCK NO.	Fig.	Description	Price Each
382-210C	B	For 8P8C modular plugs	21.48

Replacement Blades

MOUSER STOCK NO.	Fits	Price Each
382-20961	382-2194, 382-2196, 382-2198, 382-2094C, 382-2096C, & 382-210C	3.72

Professional Modular Crimping Tool

8" professional modular crimping tool cuts, strips, and crimps the more popular modular plugs. This tool is designed for crimping 8P8C, 6P6C, 6P4C, 6P2C, 4P4C, and 4P2C modular plugs with stranded flat wire.

MOUSER STOCK NO.	Fig.	Description	Price Each
382-2008	C	For 4, 6, and 8-position plugs	99.95

///epd eagle plastic devices "F" CRIMPING TOOLS

Parallel Action "F" Crimping Tool

382-0242	D	9" deluxe hex type for RG59 and aluminax RG6	8.55

///epd eagle plastic devices COAX CRIMPING TOOL

- Crimps: RG6, 59, 62, 140, 210, Belden 8279, 55, 58, 141, 142, 223, 303, 400, fiber optic

382-301C	E	Ratchet hex tool for F, FNC, TNC, N, Teflon, Thinnet-PVC, and Fiber Optic connectors	28.95
382-0330	F	Coax tool kit, includes: (1 ea.) 382-301C Heavy Duty Professional Hex Crimp Tool, assortment of dies to work with the following types of coaxial cable: RG6, 8, 8X, 9, 11, 55, 58, 59, 62, 87A, 122, 140, 141, 142, 149, 165, 174, 178, 179, 180, 187, 188, 195, 210, 213, 214, 216, 223, 225, 303, 316, 400, Fiber Optic, Belden types 8218, 8279, and 9913, Coax stripper that works with RG58, 59, 62, 6, and 3C2V cable, Heavy duty 6-1/2" cable cutter that works with .16" to .413" cable	78.96

///epd eagle plastic devices IDC CRIMPING PLIERS

- Easy to assemble flat cable onto IDC type connectors
- Crimping distance for connectors.height from .236" to 1.06"

MOUSER STOCK NO.	Fig.	Description	Price Each
382-0214	G	9-1/2" long, steel frame	18.15

///epd eagle plastic devices D-SUB CRIMPING TOOLS

382-0213	H	For computer pins and sockets D-sub 20-28 AWG wire	18.48

///epd eagle plastic devices ROTARY CABLE STRIPPERS

- 3 blade models
- No replacement cassettes needed
- Comes with alien wrench adjustment tool

MOUSER STOCK NO.	Fig.	Description	Price Each
382-312A	I	Preset for stripping RG59/62/6	16.95
382-312B	I	Preset for stripping RG58/59/62	16.95

WIRE STRIPPERS AND CUTTERS

MOUSER STOCK NO.	Fig.	Description	Price Each
5876-100	J	Screw adjustment w/o spring 5"	6.59
5876-101S	K	Screw adjustment with spring 5"	7.50
5876-103S	L	Cam adjustment with spring 5-5/16"	9.69

STANDARD WIRE STRIPPERS

MOUSER STOCK NO.	Fig.	Description	Price Each
524-766	M	12 - 20 AWG stripper	23.94
524-766-A	M	14 - 30 AWG stripper	23.94

COOPER Hand Tools XCELITE WIRE STRIPPER & CUTTER

MOUSER STOCK NO.	Fig.	Description	Price Each
578-104CG	N	Stripper, Cutter, crimper and bolt cutter	25.28

///epd eagle plastic devices CABLE CUTTER

- Hardened carbon steel
- Curved blade cuts wire .016" to .413"

MOUSER STOCK NO.	Fig.	Description	Price Each
382-0206	O	6-1/2" long, black oxide finish	8.37

///epd eagle plastic devices CABLE TIE TOOL

- Accepts ties up to .07" thick
- Steel

MOUSER STOCK NO.	Fig.	Description	Price Each
382-2081	P	6-1/2" long, black oxide finish	12.40

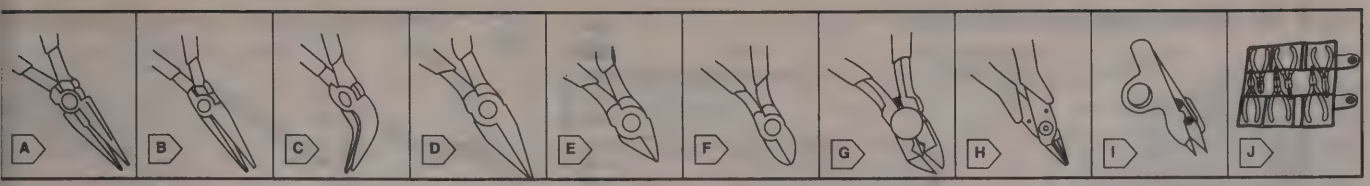
///epd eagle plastic devices PALM GRIP SERIES

- Precision, rust proof stainless steel
- Spring loaded with minimal travel
- Applications: PC boards, setting precise and small parts, assembling plastic hobby models, cutting small wires, fishing, and hundreds of other tasks

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Description	Price Each
382-1017	Q	Red	Flush cutter	14.87
382-1018	R	Blue	Flat nose pliers (serrated)	14.87
382-1019	R	Tan	Flat nose pliers	14.87
382-1021	R	Green	Needle nose pliers	14.87
382-1022	R	Orange	Curved nose pliers	14.87

Pliers, Cutters, and Fuse Pullers



COOPER Hand Tools PLIERS

ESD SAFE

- Lightweight, miniature plier line
- Choice of oval, tapered, relieved, and angled head
- Full flush or semi-flush cutting edges
- Needle nose styles include long, short, curved, flat, and round to handle most forming, looping, twisting, insertion, and pickup jobs
- Forged from high quality alloy steel for maximum strength and durability
- Precision ground to close tolerances, individually finished and tested to ensure exact fit of jaws
- Polished heads with gun metal handles
- Made in the U. S. A.

Xcelite® Electronic Pliers

For quantities of 6 and up, call for quote.

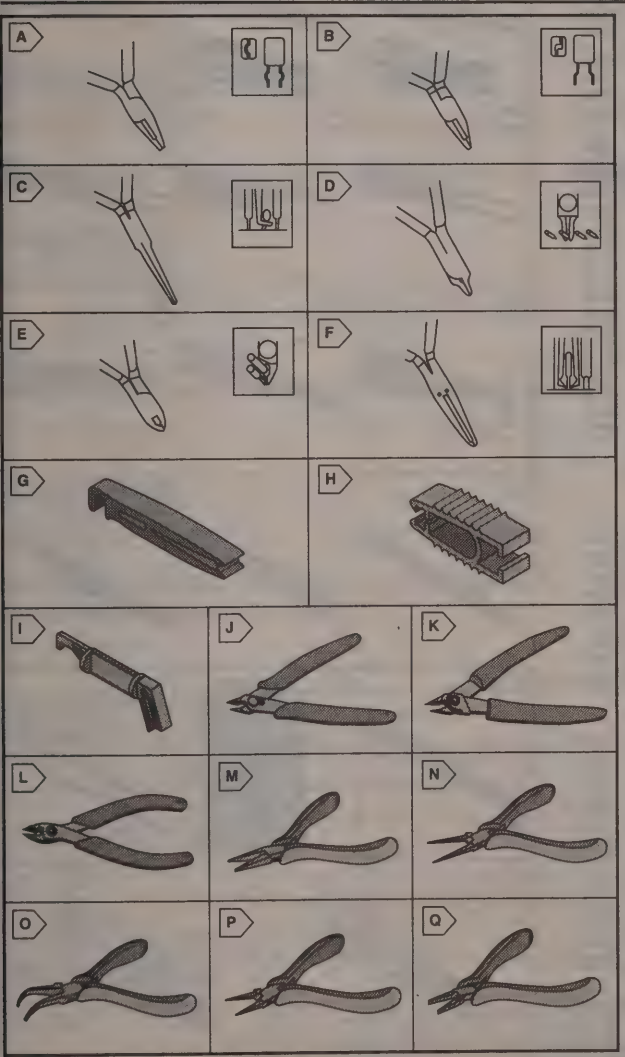
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Size (In.)	Description	Price Each
578—	SN54	A	5	Long nose with side cutter, finely scored jaws	16.56
578—	SN55	A	5 1/2	Long nose with side cutter, finely scored jaws	16.55
578—	L4	B	4	Long nose subminiature, very fine point	13.43
578—	LN54	B	5	Long nose finely scored jaws	14.75
578—	LN55	B	5 1/2	Long nose finely scored jaws	15.15
578—	CN54G	C	5	Long curved nose (approx 60°), smooth jaws	16.56
578—	NN54	B	5	Needle nose finely scored jaws	17.36
578—	NN54G	B	5	Needle nose smooth jaws, slightly rounded edges	17.46
578—	RN54	B	4 1/2	Round nose smooth jaws, for forming loops in wire	15.83
578—	NN7776	B	6	Extra long needle nose	16.53
578—	DN54G	D	5	Flat nose smooth jaws	13.47
578—	LN54G	B	5	Thin long nose smooth jaws	14.85

Xcelite® Diagonal Cutting Pliers and Electronic Shears

† Not ESD Safe

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Size (In.)	Description	Price Each
578—	MS545J	E	4	Tapered head, flush cut	14.34
578—	MS54J	F	4	Oval head, flush cut	15.18
578—	MS54	F	4	Oval head, semi-flush cut	13.47
578—	S54S	F	4 1/2	Diagonal cutting gen. purpose, 7/16" cutting blade	15.26
578—	S55	F	5	Diagonal cutting gen. purpose, 5/8" cutting blade	14.58
578—	MS543J	E	4	Relieved tapered head, flush cut	15.33
578—	GA54	G	4	Angled diagonal end cutter at 29°	24.09
578—	MS549J	E	4	Tapered head, diagonal cut	14.85
578—	S475JS	E	5	Tapered head flush cut	14.54
578—	54CG	F	4	Diagonal pliers standard beveled edges, red grips	17.12
†578—	170M	H	5	Shearcutter blue grips	6.42
†578—	1570B	I	---	Versatile, 4-3/4" light-weight cutter with stainless steel replaceable blades. Heavy duty contoured frame	7.90
578—	C1	J	---	Includes MS54, SN54, LN54, NN54, plus 4" traverse end cutter, 4" flat nose pliers & leather pouch w/ brass snaps	102.68



epd PC BOARD "DREAM" TOOLS

eagle plastic devices

Small, lightweight pliers. Designed primarily for holding, bending, and cutting fine wires in electronic, radio, TV, and electrical work.

- Take a look at what these pliers can do

For quantities of 5 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Size (In.)	Description	Price Each
383—	1001	A	4 1/2	Lead Forming: forms strain reliefs in component leads and indents in leads to hold components during wave soldering	24.09
383—	1002	B	4 1/2	Lead Bending: for adjusting lead spacing on small components	24.09
383—	1003	C	5 1/2	Bent Nose: manipulates & dresses components in tight spaces	23.71
383—	1004	D	5	Nippers: very narrow cutting head for cutting in close spaces	25.41
383—	1005	E	5	Tip Cutters: for those crowded, inconvenient areas	25.41
383—	1006	F	5 1/4	End Cutting Nippers: "top down" cutting for high density areas	27.10

epd FUSE PULLERS

eagle plastic devices

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	5	10	20
441—	EPD213	G	Dual Fuse Puller	.43	.31	.26	.20
441—	EPD223	H	Dual Fuse Puller	.56	.40	.33	.25
441—	EPD224	I	Dual Fuse Puller	.49	.35	.29	.22

PLATO PLATOSHEAR LEAD CUTTERS

- Effortless shearing action, comfort, light weight, and safety for electronics lead cutting
- Platoshear requires 50% less operator effort and has a longer cutting life than conventional cutters because it shears rather than bites
- Cushioned handles provide daylong comfort
- Thin profile designed for those hard-to- get-at areas in electronic assembly where conventional cutters can't reach
- Made in the U.S.A

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each
577—	170	J	General purpose Lead Cutter	4.34
577—	170SD	K	Static Dissipative Lead cutter	8.33
577—	175SD	K	Static Dissipative Lead cutter With Safety Guard	10.45
577—	175	J	Lead Cutter With Safety Guard	6.73
577—	1755	L	Wire/Cable Cutter	12.73

Wiha ESD SAFE PLIERS

- Cutting edges are induction hardened at a hardness of Approx. 64°HRC.
- Two component non-slip soft grip handle
- ESD Safe Dissipative

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Length	Price Each 1	5
596—	32742	M	Pliers, Short Snipe Nose Straight, Serrated Jaws	20mm	35.98	26.08
596—	32746	N	Pliers, Long Needle Nose, Straight, Serr. Jaws	45mm	40.98	29.72
596—	32748	O	Pliers, Needle Nose, Bent 90°, Serrated Jaws	45mm	40.98	29.72
596—	32750	P	Pliers, Short Round Nose, Smooth Jaws	120mm	35.98	26.08
596—	32752	Q	Pliers, Short Flat Nose, Smooth Jaws	120mm	35.98	26.08

ESD Safe Cutters and Tweezers

Erem "N" SERIES DIAGONAL CUTTERS

- Swiss made
- High grade tool steel
- ESD safe
- Low fatigue operation
- Guaranteed for over 1 million openings

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Fig.	Size	Cut	Price Each
578	512N	A	4 1/2"	Small oval head, Semi-Flush	43.65
578	522N	A	4 1/2"	Medium oval head, Full-Flush	45.61
578	612N	A	4 1/4"	Small oval head, Semi-Flush	41.29
578	622N	A	4 1/4"	Small oval head, Full-Flush	42.81
578	622NA	A	4 1/4"	Tapered head, Full-Flush	44.34
578	622NB	A	4 1/4"	Tapered relieved head, Full-Flush	44.34
578	632N	A	4 1/4"	Small head, Super Full-Flush	45.60

PLATH PRECISION TWEEZERS

- Improves operator control
- Ergonomically designed
- Reduces fatigue
- ESD safe
- Clean room safe

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Fig.	Description	Price Each
577	TZF-403-3C	B	4-Star Precision Tweezers very fine round points	24.45
577	TZS-502-3C	C	Soft Tweezer fine radius	20.45
577	TZS-514-AGW	D	Soft Tweezer cuts wire leads and other materials	44.65

ESD SAFE CUTTERS

- Cutting edges are induction hardened at a hardness of Approx. 64°HRC.
- Two component non-slip soft grip handle

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Fig.	Description	Length	Price Each 1	Price Each 5
596	32703	E	Side cutters, Small Tapered Head, Form 1-Semi Flush	115mm	39.98	28.26
596	32705	E	Side cutters, Small Tapered Head, Form 2 Flush	115mm	39.98	28.26
596	32702	E	Side Cutters Small Tapered Head with Hollow Ground Back, Form 3- Semi Flush	115mm	40.98	29.72
596	32704	E	Side cutters, Small Tapered Head w/Hollow Ground Back, Form 4-Flush	115mm	40.98	29.72
596	32710	E	Side Cutters, Wide Tapered Head, Form 3-Full Flush	115mm	43.98	31.88
596	32712	F	Side cutters, Slim Oval Head, Form 1-Flush	115mm	39.98	28.98
596	32714	F	Side cutters, Slim Oval Head, Form 2-Full Flush	115mm	44.48	32.25
596	32718	F	Side cutters, Wide Oval Head Carbide Cutting Edges, Form 2-Bevel	110mm	90.98	65.97
596	32720	F	Side cutters, Wide Oval Head, Form 3-Flush	115mm	39.48	28.63
596	32728	G	Oblique Front Cutters, Very Small Head, 40°, Form 4-Flush	110mm	43.98	31.88
596	32732	H	End Cutters, Extra Slim, Form 1-Flush	110mm	44.98	32.62
596	32734	I	End Cutters, Wide Head, Form 2-Flush	115mm	44.98	32.62

ESD SAFE TWEEZERS

- ESD Safe
- Anti Static Conductive
- Hypo Allergenic Coated
- Textured Gripping Surface
- Anti Magnetic
- Acid Resistant
- Made from Vommaloy

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Fig.	Description	Length	Price Each 1	Price Each 5
596	44501	L	Universal Fine Point	130mm	13.68	9.91
596	44503	M	Long Narrow Body Low Force	135mm	17.48	12.68
596	44505	J	Flat Round Tip Smooth Sides ESD safe	120mm	17.18	12.46
596	44506	L	Fine Round Points for Assembly	120mm	17.48	12.68
596	44508	K	Very Fine Points/Tapered to Tip ESD Safe	110mm	18.02	13.06
596	44509	K	Extra Fine Points/ Tapered To Tip ESD Safe	110mm	18.02	13.06
596	49379	K	Extra Fine Points/ Tapered To Tip	110mm	21.54	15.62
596	44510	N	Curved Extra Fine Rounded Tips	120mm	22.56	16.36
596	44518	O	Narrow Rounded Tip Serrated, Guide Pin	150mm	18.12	13.14
596	44523	L	Long Rounded to 1.0mm Wide Serrated	125mm	16.78	12.17
596	44525	P	Curved Extra Fine, 3mm Long Straight Tip	120mm	27.02	18.84
596	44529	Q	MicroTip Bent 30° 1mm Wide 0.5mm Slot	120mm	23.92	17.34
596	44531	L	General Purpose Fine Point	120mm	18.02	13.06
596	44532	L	Heavy Duty Strong Tapered to Strong Point	120mm	22.98	16.59

INTERCHANGEABLE TWEEZERS WITH HEAT PROTECTED PLASTIC HANDLE

- Stainless steel, anti-magnetic and acid resistant.
- Brushed Finished tweezers made from Vommaloy.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Fig.	Description	Length	Price Each 1	Price Each 5
596	40110	R	#10 Plastic Molded Handle w/Closure Lock	100mm	5.48	3.97
596	40021	S	Long Pointed with Fine Serrations	145mm	14.70	10.66
596	40022	S	Long Round Tip with Fine Serrations	145mm	14.18	10.28
596	40023	T	Long Round Tip with Fine Serrations, Bent 30°	145mm	14.70	10.66
596	40024	U	Blunt Round Tip Fine Serrations	145mm	13.98	10.14
596	40025	U	Blunt Flat Tips with Fine Serrations	145mm	15.54	11.27
596	40026	V	Blunt Round Tip Bent 30°, Fine Serrations	145mm	15.22	11.04
596	40090	W	5 Piece Set in Pouch, Includes 40021, 40023, 40024, 40026, 4010	-	69.98	45.66

Erem TWEEZERS

- Material: "non-magnetic", anti-acid alloy
- Temperature resistance: 300°C

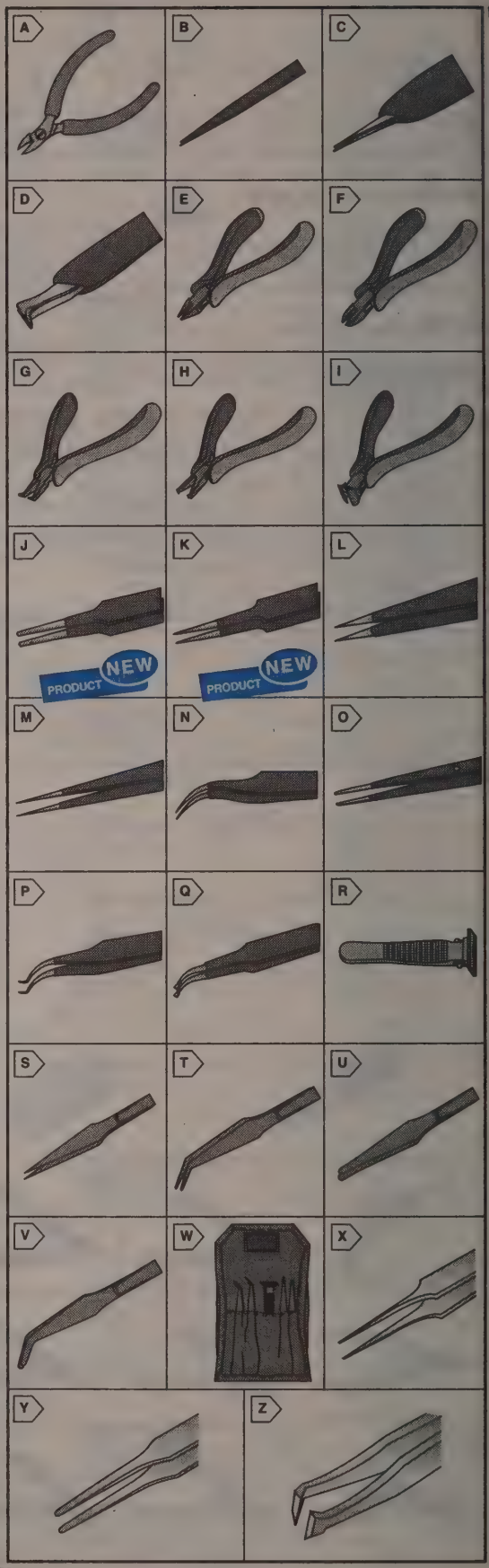
For quantities of 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Fig.	Description	Length	Price Each 1	Price Each 5
578	2SA	X	4.5" medium point	-	16.81	15.97
578	EROP2ASA	Y	4.5" round point	-	3.00	2.85
578	3SA	L	4.75" popular fine point for microelectronics	-	20.11	19.10
578	EROP3SA	L	4.5" popular fine point for microelectronics	-	3.00	2.85
578	EROP3CSA	L	4.25" popular fine point for microelectronics	-	3.00	2.85
578	5SA	L	4.5" superfine point, special shaping	-	23.67	22.49
578	EROP5SA	L	4.5" superfine point, special shaping	-	3.00	2.85
578	7SA	N	4.75" curved point easy access-confined areas	-	21.67	20.59
578	EROP7SA	N	4.75" curved point easy access -confined areas	-	3.00	2.85
578	AASA	L	5.0" straight point, hardened tips	-	9.08	8.63
578	EROPAASA	L	4.75" strong but fine point	-	3.00	2.85
578	OOSA	L	4.75" flat inside edges, general purpose	-	14.42	13.70
578	EROPOOSA	L	4.75" flat inside edges, general purpose	-	3.00	2.85

Erem CUTTING TWEEZERS

For quantities of 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Fig.	Description	Length	Price Each 1	Price Each 5
578	15AGW	Z	4.5" oblique head, long life, soft wire cutting	-	26.01	24.71
578	15AGS	Z	4.25" oblique fine head, longlife, soft wire cutting	-	23.53	21.17



WIHA Screwdriver Sets

WIHA ESD SAFE PRECISION CHIP LIFTER

Conductive Anti-static and impact resistant Handle
Chrome-vanadium-molybdenum steel blade

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Length	Price Each 1	Price Each 5
596—	27920	A	3.5 x 50mm	95 mm	6.10	4.41

WIHA MAGNETIZER / DEMAGNETIZER HANDLE & BLADE SET

Slotted: 3.0, 4.0, 6.0mm
Phillips: 0, 1, 2

- Comes in Durable Pouch
- Interchangeable Blades
- Handles and blades also sold separately

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 5
596—	48190	B	Set with Mag/Demag Handle & Blades	38.28	27.75
596—	40010	C	Magnetizer/Demagnetizer box	7.44	5.39

WIHA ESD SAFE SYSTEM 4 SLOTTED/PHILLIPS/HEX IN./TORX PRECISION INTERCHANGEABLE BIT SET, 27 PCS.

- Slotted: 1.5, 2.0, 3.0, 4.0mm
- Phillips: 000, 00, 0, 1
- Torx: T3, T4, T5, T6, T7, T8, T9, T10, T15
- Hex Inch: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"
- Comes in compact fold out box

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 5
596—	75992	D	Set with ESD Safe Precision Handle	49.98	36.23

WIHA SECURITY BIT SET COLLECTOR

36 hard-to-find security bit sizes that comes in a molded box for storage.
Set Includes: Handle, 1/4" magnetic bit holder, 1/4" bit holding socket adapter, and the following 1/4" bits:

- Tamper Resistant Torx: TR8, TR10, TR15, TR20, TR25, TR27, TR30, TR40
- Tamper Resistant Hex: 5/64, 3/32, 7/8, 1/8, 9/64, 5/32
- Triwing: 1, 2, 3, 4
- Torq Set: 6, 8, 10
- Spanner: 4,6,8,10
- Slotted: 6.5, 8.0mm
- Phillips: 1, 2
- Pozidriv: 0, 1, 2, 3
- Square: 1, 2, 3

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 5
596—	71990	E	39 piece security bit collector set	68.98	50.01

WIHA 24 PIECE TORQUE VARIO-S MICRO-BIT SET

NEW PRODUCT

Packed in a compact durable steel storage box.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 5
596—	28590	F	Slotted: 1.5, 2.0, 3.0, 4.0mm/ Phillips: #00, #0, #1/ Torx: T6, T7, T8, T9, T10, T15/ Hex Inch: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32/ 28504 Handle Range 7.5-20 Inch lbs.	150.98	143.73

WIHA 2 PIECE ORBIT PIVOTING PHILLIPS DRIVER SET

NEW PRODUCT

- Includes #1 & #2 Phillips drivers
- Reduces cam out damage, screws and tools last longer
- Works on all standard Phillips Screws
- Now reach and turn Phillips screws at up to 20° angle with full 360° rotation

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 5
596—	31199	G	2 Pcs. Phillips Orbit Pivot Drivers	20.98	18.35

WIHA SYSTEM 4 ESD SAFE INTERCHANGEABLE PRECISION SCREWDRIVER SETS

- In Compact Fold-out box

Slotted, Phillips Precision Interchangeable Screwdriver Set, 5 Pcs.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 5
596—	26996	H	Slotted: 1.5, 2.0, 3.0, 3.5mm / Phillips: 000, 00, 0, 1	33.00	23.93

Slotted, Phillips & Torx Precision Interchangeable Screwdriver Set, 9 Pcs.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 5
596—	26997	H	Slotted: 1.5, 2.0, 2.5, 3.0, 3.5, 4.0mm Phillips: 000, 00, 0, 1 / Torx: T6, T7, T8, T10, T15	55.28	40.08

Torx Precision Interchangeable Screwdriver Set, 8 Pcs.

For quantities of 6 and up, call for quote.

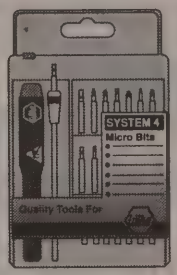
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 5
596—	26987	H	Torx Std. Blades: T3, T4, T5 Torx Reversible Blades: T6, T7, T8, T9, T10, T15, T20	40.12	29.09

A

B

C

D



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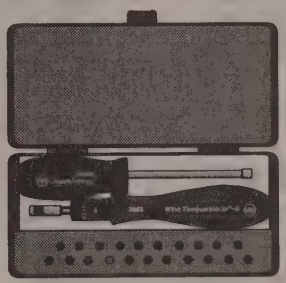

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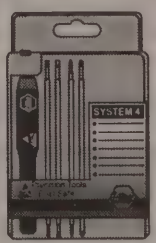


Screwdriver and Hex L-Key Sets

WIHA ESD SAFE INTERCHANGEABLE PRECISION SCREWDRIVER SETS

- In Durable Pouch
- ESD Safe Dynamic Handle

System 6 Slotted & Phillips Interchangeable Screwdriver Set, 8 Pcs.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
596-10191	A	Slotted: 3.0, 4.0, 6.0, 8.0mm; Phillips: 0, 1, 2	32.98	23.91

System 6/4 Torx Interchangeable Screwdriver Set, 9 Pcs.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
596-10791	A	System 4: T5, T6, T7, T8, T9, T10, T15; System 6: T20, T25, T30	43.98	31.89

WIHA ESD SAFE CONDUCTIVE SCREWDRIVER SETS

- Molded precision handle of impact resistive conductive material
- Tapered handle allows rapid rotation
- Rotating cap for precise turning and control with fingertip
- Meets the requirements for tools used in electrostatic sensitive areas.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
Slotted & Phillips Precision ESD Safe Conductive Handle 7 Pcs.				
596-27390	B	Includes: Slotted # 27215: 1.5x40mm, 27220: 2.0x40mm, 27225: 2.5x50mm, 27235: 3.5x60mm / Phillips #27305: 00x40mm, 27310: 0x50mm, 27320: 1x60mm	31.98	23.19
Torx Precision Safe ESD Safe Conductive Handle 7 Pcs.				
596-27890	B	Includes: Slotted # 27215: T4x40mm, 27220: T5x40mm, 27225: T6x40mm, 27235: T7x40mm / Phillips #27305: T8x40mm, 27310: T9x50mm, 27320: T10x50mm	39.98	28.99

WIHA PRECISION SERIES TOOL SETS

NEW PRODUCT

Blade is high alloy chrome-vanadium-molybdenum steel.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
Slotted Precision Screwdriver Set-6 Pcs.				
596-26090	C	Slotted: 1.5x40mm, 2.0x40mm, 2.5x50mm, 3.0x50mm, 3.5x60mm, 4.0x60mm	21.60	20.52
Slotted & Phillips Precision Screwdriver Set-7 Pcs.				
596-26092	C	Slotted # 26025: 2.5x50mm, 26027: 2.5x100mm, 26033: 3.0x100, 26034: 3.0x150mm, 26041: 4.0x100mm, 26042: 4.0x150 / Phillips # 26108: 0x75mm	33.00	23.93
Slotted & Phillips Precision Screwdriver Set-7 Pcs.				
596-26190	C	Slotted: 1.5x40mm, 2.0x50mm, 2.5x50mm, 3.0x60mm Phillips: 00x40, 0x50mm, 1x60mm	24.48	23.25
Hex Driver Metric Set-7 Pcs.				
596-26390	D	26307: 0.7X40mm, 26309: 0.9x40mm, 26313: 1.5x50mm 26320: 2.0x50mm, 26325: 2.5x60mm, 26330: 3.0x60mm	29.70	21.53
Hex Driver Inch Set-8 Pcs.				
596-26391	D	26307: .028X1.6mm, 26309: .035X1.6mm, 26313: .050X1.6mm, .050X1.6mm, 26316: 1/16X2.0mm, 26320: 5/64X2.0mm, 26323: 3/32X2.4mm, 26327: 7/64x2.4mm, 26331: 1/8x2.4mm	33.20	24.07
Hex Driver Inch Set-8 Pcs.				
596-26490	D	1/2x1.6in, 1/16x2.0in, 5/64x2.0in, 3/32x2.0in, 7/64x2.4in, 1/8x2.4in, 9/64x2.4in, 5/32x2.4in	30.98	27.11
Nut Driver Metric Set-8 Pcs.				
596-26590	E	26525: 2.5X60mm, 26530: 3.0X60mm, 26535: 3.5x60mm, 26540: 4.0x60mm, 26545: 4.5x60mm, 26550: 5.0x60mm, 26555: 5.5x60mm, 26560: 6.0x60mm	47.30	34.29
Nut Driver Inch Set-8 Pcs.				
596-26591	E	26523: 3/32X2.4mm, 26527: 7/64X2.4mm, 26531: 1/8x2.4mm, 26536: 9/64x2.4mm, 26539: 5/32x2.4mm, 26547: 3/16x2.4mm, 26556: 7/32x2.4mm, 26563: 1/4x2.4mm	46.90	34.00

PRECISION SCREWDRIVER SET

MOUSER STOCK NO.	Fig.	Description	Price Each
38TS100	F	6 piece slotted set w/ clear-view plastic case. Sizes (mm): .8,1.4, 2.0, 2.4, 2.9, 3.8	12.91

WIHA MAGIC RING BALL END HEX KEYS

NEW PRODUCT

Blade CVM steel, hardened, chrome-plated.

9 Pc. Magic Ring Long Metric Ball End Hex L-Key Set in ProStar Holder

MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
596-66990	G	(mm) 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0	26.26	22.98

13 Pc. Magic Ring Long Inch Ball End Hex L-Key Set in ProStar Holder

MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
596-66991	G	(Inch) 1/2, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8	32.98	28.86

WIHA NUT DRIVER METRIC PRECISION DRIVERS

NEW PRODUCT

Blade high alloy CVM Steel.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
596-96540	H	Size: 4.0mm	5.52	5.25
596-96560	H	Size: 6.0mm	5.72	5.44

A

B

C

D

E

F

G

H

XCELITE® Nutdriver and Screwdriver Sets

COOPER Hand Tools Xcelite® NUTDRIVER SETS

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Contains	Price Each 1	3
578—	PS120	A	10 nutdrivers 3/32"-3/8"	32.85	31.75
578—	PS-121MM	A	10 nutdrivers 3mm-10mm	41.05	39.14
578—	HS6-18	A	10 hollow shaft nutdrivers 3/16"-9/16"	54.56	52.73

COOPER Hand Tools Xcelite® SERIES 99® NUTDRIVER HANDLE AND BLADES

For quantities of 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	12
578—	991	B	Handle for Series 99® blades, amber	3.96	3.82
578—	996	B	3/16" nutdriver blade	3.78	3.65
578—	997	B	7/32" nutdriver blade	3.78	3.65
578—	998	B	1/4" nutdriver blade	3.78	3.45
578—	999	B	9/32" nutdriver blade	3.78	3.45
578—	9910	B	5/16" nutdriver blade	3.63	3.51
578—	9911	B	11/32" nutdriver blade	3.95	3.81
578—	9912	B	3/8" nutdriver blade	3.95	3.81
578—	9914	B	7/16" nutdriver blade	5.06	4.88
578—	9916	B	1/2" nutdriver blade	5.06	4.88

COOPER Hand Tools Xcelite® SERIES 99® NUTDRIVER AND SCREWDRIVER SET

- Designed for use with cordless rechargeable screwdrivers
- Contains 12 most popular nutdriver and screwdriver sizes together with a power adapter
- Convenient vinyl carrying pouch

For quantities of 12 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Contains	Price Each 1	6
578—	99PA50	C	3/16", 7/32", 1/4", 9/32", 5/16", 11/32", and 3/8" stubby nutdrivers; 3/16" and 1/4" stubby slotted screwdrivers, #1 and #2 stubby Phillips screwdrivers; cordless screwdriver adapter	21.05	20.34

COOPER Hand Tools Xcelite® PERSONAL COMPUTER REPAIR KIT

- Ideal for repairs on PC's
- Tools fit securely in a convenient roll-up pouch
- Contains 13 anti-static chip tools, protects chips from ESD damage

For quantities of 12 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	6
578—	99SPC	D	#0 Phillips screwdriv. blade; #1 Phillips blade; 3/16" slotted screwdriver blade; two Torx® screwdriver blades; 3/16" & 1/4" hex nutdriv.shanks; regular handle; 3-prong chip retriever/extractor-antistatic; chip tweezer; chip inserter; chip extractor-antistatic	41.42	40.03

COOPER Hand Tools Xcelite® CORDLESS SCREWDRIVER KIT

- Motor: 3.6VDC
- Overall length: 10.8"
- XP1BC charger for a quick 1 hour charge
- UL and cUL approved charger
- Includes 3 bits: 2 Phillips® and 1 slotted

For quantities of 12 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	6
578—	XP1	E	Kit contains: driver/battery/charger/3 bits/1 adap.	111.24	107.53
578—	XP1B	- -	Replacement 3.6V nickel-cadmium battery	25.56	24.70

COOPER Hand Tools Xcelite® PRECISION ELECTRONIC SCREWDRIVER SETS

- Chrome-molybdenum vanadium steel blades
- Precision tolerance black tips
- No-roll handle design

			XP1550: 1.5" x 50mm slotted	XPPH00: #00 phillips	
			XP2065: 2.0" x 65mm slotted	XPPH0: #0 phillips	
			XP2575: 2.5" x 75mm slotted	XPPH1: #1 phillips	
			XP30100: 3.0" x 100mm slotted		
578—	XP700	F	7 pc. set: XP1550, XP2065, XP2575, XP30100,XPPH00, XPPH0, XPPH1	26.10	25.22

COOPER Hand Tools Xcelite® SCREWDRIVERS

Pocket Clip Style-Round Blade

For quantities of 12 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Type	Blade Dia. (In.)	Length Dimensions (In.) Handle	Blade	Total	Price Each
578—	R3322	G	Slotted	3/32	2 1/4	2	4 1/4	2.03
578—	R181	G	Slotted	1/8	2 1/4	2	4 1/4	1.96
578—	R183	G	Slotted	1/8	2 1/4	3	5 1/4	2.42
578—	P12S	G	Phillips	0	2 1/4	2	4 1/4	2.66

Regular-Round Blade

For quantities of 12 and up, call for quote.

578—	R184	G	Slotted	1/8	4	6	5/8	3.15
578—	R186	G	Slotted	1/8	6	8	5/8	3.31
578—	R3163	G	Slotted	3/16	3	6	5/8	3.93
578—	R3164	G	Slotted	3/16	4	7	5/8	4.53

Regular-Phillips Type

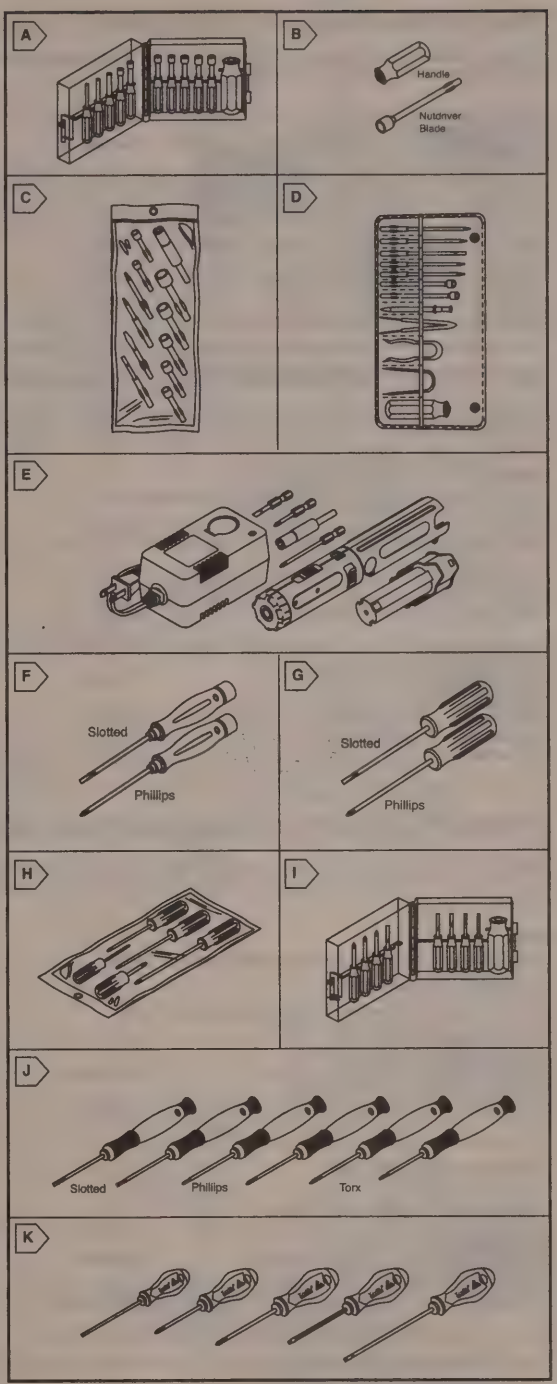
For quantities of 12 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Point Size	Blade Dia. (In.)	Length Dimensions (In.) Handle	Blade	Total	Price Each
578—	X100	G	0	1/8	2 5/8	2	4 5/8	2.94
578—	X101	G	1	3/16	2 5/8	3	6 5/8	3.92
578—	X108	G	1	3/16	3 5/8	6	9 5/8	5.13
578—	X102	G	2	1/4	4 1/8	4	8 1/8	5.24

COOPER Hand Tools Xcelite® SCREWDRIVER SETS

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Contains	Price Each 1	3
578—	SDX-22	H	5 phillips screwdriv. 1/8", 3/16", 1/4", 5/16" stubby	23.93	23.13
578—	SDR-11	H	5 slotted screwdriv. 1/8", 5/32", 3/16", 1/4", 5/16"	21.99	21.25
578—	PS88	I	5 slotted, 3 phillips, and torque handle	26.01	25.13



COOPER Hand Tools Xcelite® ELECTRONIC PRECISION SCREWDRIVER SETS

- ESD safe
- 6 piece set in plastic case
- Chrome-molybdenum vanadium steel blades
- Swivel caps

For quantities of 3 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each
578—	XP600	J	Slotted/Phillips w/ black oxide tips	21.00
578—	XPTX600	J	Torx w/ black oxide tips	24.75

COOPER Hand Tools Xcelite® PRO-SERIES ERGONOMIC SCREWDRIVER SETS

- ESD safe
- Rubber dual material handles
- Chrome-molybdenum vanadium steel blades
- In hanging box

For quantities of 3 and up, call for quote.

578—	XPE500	K	5 pc. Slotted/Phillips w/black oxide tips	23.25
578—	XPE700	K	7 pc. Slotted/Phillips w/black oxide tips	32.90

OK INDUSTRIES Insertion, Extraction, & Alignment Tools

OK Industries
Division of Jonard Industries Cor

INSERTION/EXTRACTION TOOLS AND KIT

All tools that engage conductive surfaces are CMOS safe and include grounding lugs where appropriate. WK-7 Kit includes DIP IC extractors and inserters to accommodate all IC's from 8 to 40 pins.

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Description	Price Each	
				1	5
801-MOS1416	MOS-1416	A	Insertion Tool 14-16 Pins (.3" Pitch)	24.87	23.63
801-MOS2428	MOS-2428	B	Insertion Tool 24-28 Pins (.6" Pitch)	24.86	23.62
801-MOS40	MOS-40	C	Insertion Tool 36-40 Pins (.6" Pitch)	24.86	23.62
801-EX2	EX-2	D	Extraction Tool 24-40 Pins	24.86	23.62
801-EX1	EX-1	E	Extraction Tool 8-24 Pins	3.75	3.56
801-WK7	WK-7	A-E	Kit (Includes above tools)	84.79	80.55
801-EX-5	EX-5	F	ESD safe PLCC extraction tool	20.16	19.38
801-EX-6	EX-6	F	Low cost PLCC extraction tool	10.16	9.76

IMPACTPLUS™ ERGONOMIC IMPACT TOOL KITS

The revolutionary ImpactPlus family of impact tools has been developed to satisfy ergonomic requirements and boost operator efficiency. With worker safety in mind, we consulted a certified ergonomist and added features including:

Features:

- Ergonomic design minimizes repetitive stress and impact recoil
- Single-sided Blades reduce cost, Maximize Wear Resistance
- Convenient Blade Storage in handle (holds 3 blades)
- Blade retention nut and impact settings switch are easy to operate using finger tips

EP-66: 66 block blade	EP-110: 110 block blade
EP-66C: 66 block blade with cutter	EP-110C: 110 block with cutter
EXPI: Manual Punch Down Tool - Adjustable Impact	

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Kit Includes:	Price Each	
				1	5
801-KIT66	EXPI-KIT66	G	EXPI, EP-66, and EP-66C	56.20	53.39
801-KIT110	EXPI-KIT110	G	EXPI, EP-110, and EP-110C	56.20	53.39
801-KIT66110	EXPI-KIT66110	G	EXPI, EP-66, EP-66C, EP-110, EP-110C	107.10	101.75

CONNECTOR INSERTION AND EXTRACTION TOOL KIT

These tools service virtually all connectors conforming to Mil-C-26482, Mil-C-26500 with front release contacts made by such manufacturers as AMP, Amphenol, Cinch, and Elco. These tools contain strong, durable stainless steel probes and color coded handles.

Features:

- Both kits packaged in an attractive and durable leather padded zipper case.

Connector Insertion Kit

Includes the three most popular color coded sized insertion tools for contact sizes 12(yellow), 16 (blue), and 20 (red). 5" long.

MOUSER STOCK NO.	Jonard Part No.	Fig.	Kit Includes:	Price Each	
				1	5
801-KA-260	KA-260	H	A-4598 (red), A-4599 (blue), A-4600 (yellow)	202.62	192.49

Connector Extraction Kit

Includes the three most popular color coded extraction tools for contact sizes 12(yellow), 16 (blue), and 20 (red). 6" long.

MOUSER STOCK NO.	Jonard Part No.	Fig.	Kit Includes:	Price Each	
				1	5
801-KR-260	KR-260	I	R-4601 (red), R-4602 (blue), R-9461 (yellow)	255.59	242.81

ALIGNMENT TOOL KIT

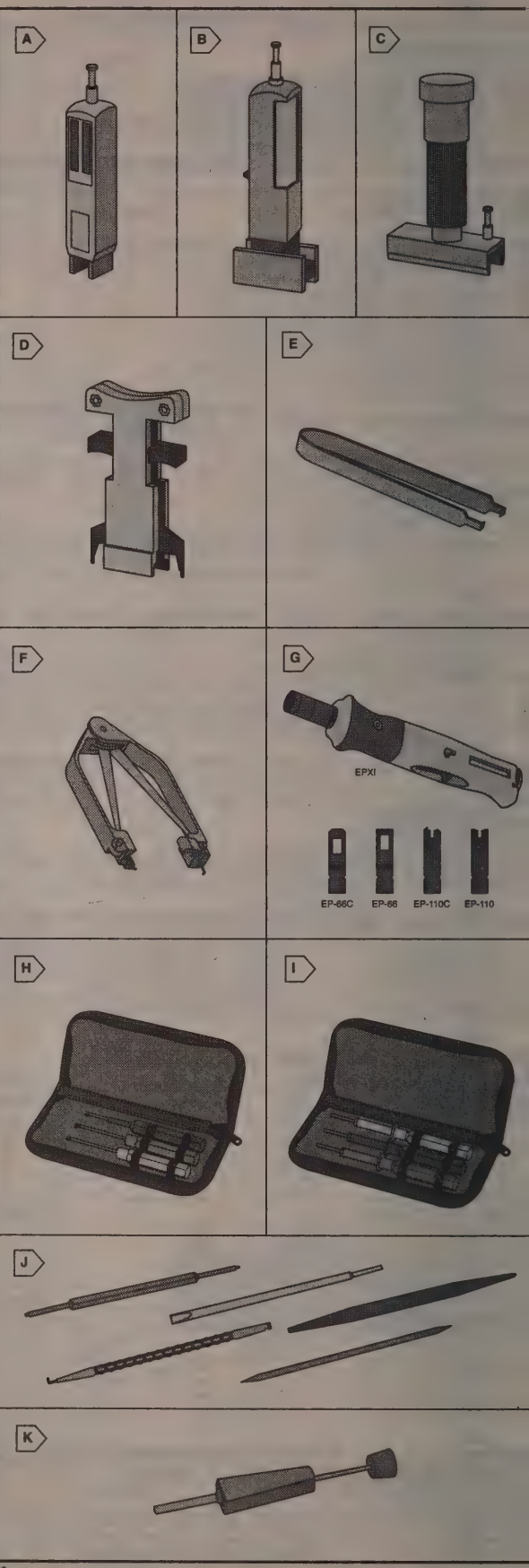
This 5 piece pocket kit contains a selection of the most popular non-conductive tools for aligning and adjusting components. Supplied in an easy to carry vial.

MOUSER STOCK NO.	Jonard Part No.	Fig.	Kit Includes:	Price Each	
				1	12
801-TK-AT5	TK-AT5	J	Trimpot, Alignment 2 in 1 tool, Spudger, Orange Stick, Probe Pick	7.59	7.21

PIN EXTRACTOR TOOL

A plunger style pin extractor for pushing pins out from behind the connector blocks for contact sizes 16-20. 3" long.

MOUSER STOCK NO.	Jonard Part No.	Fig.	Description	Price Each	
				1	5
801-R5926	R-5926	K	Pin Extractor Tool	12.32	11.70



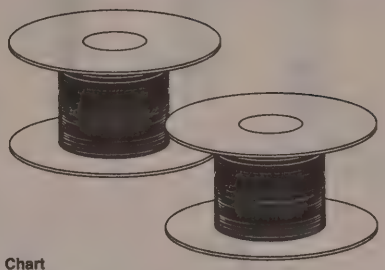
OK INDUSTRIES Wire Wrap Tools & Accessories

OK Industries
Division of Jonard Industries Corp.

KSW WIRE WRAPPING WIRE ROLLS FOR CUT/STRIP/WRAP APPLICATIONS

Low strip force KYNAR insulated wire for use with CSW bits and sleeves.

MOUSER STOCK NO.	OK Industries Part No.	AWG Size	Insulation Dia. (In.)	Price Per 100' Spool	
				1	5
801-KSW24___	KSW24__-0100	24	.030	22.58	21.70
801-KSW26___	KSW26__-0100	26	.027	22.58	21.70
801-KSW28___	KSW28__-0100	28	.0235	22.58	21.70
801-KSW30___	KSW30__-0100	30	.0195	22.58	21.70



KYNAR INSULATED, SILVER PLATED COPPER CONDUCTOR

MOUSER STOCK NO.	OK Industries Part No.	AWG Size	Insulation Dia. (In.)	Price Per 100' Spool	
				1	5
801-R24___	R24__-0100	24	.030	19.10	18.35
801-R26___	R26__-0100	26	.027	13.35	12.83
801-R28___	R28__-0100	28	.024	11.69	11.24
801-R30___	R30__-0100	30	.0195	10.35	9.95

Color Code Chart

Replace the blank in the part number with:

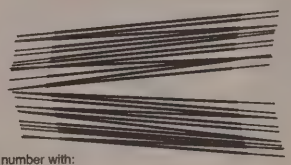
B for **Blue**, **W** for **White**, **R** for **Red**, **Y** for **Yellow**, **BLK** for **Black**.

PRE-CUT AND PRE-STRIPPED WIRE WRAPPING WIRE

Features:

- 50 pieces per package
- KYNAR insulated
- UL listed
- Silver plated copper conductor

MOUSER STOCK NO.	OK Industries Part No.	Insulation Length	AWG Size	Price Each	
				1	5
801-30-__-50-010	30-__-50-010	1	30	7.34	7.05
801-30-__-50-020	30-__-50-020	2	30	7.34	7.05
801-30-__-50-030	30-__-50-030	3	30	8.47	8.14
801-30-__-50-050	30-__-50-050	5	30	8.47	8.14



Color Code Chart

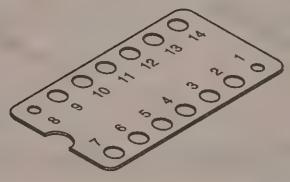
Replace the blank in the part number with:

B for **Blue**, **W** for **White**, **R** for **Red**, **Y** for **Yellow**.

SOCKET-WRAP I.D.

Used to identify pin numbers on wire wrapping sockets. These unique items greatly simplify both initial wire wrapping and subsequent troubleshooting or repair.

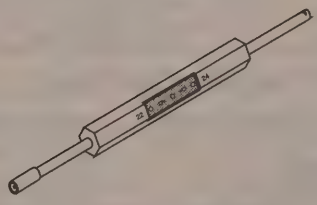
MOUSER STOCK NO.	OK Industries Part No.	Pins	Row Spacing	Qty./Pkg.	Price Each
801-ID-8-100	ID-8-100	8	.3"	100	20.80
801-ID-14-100	ID-14-100	14	.3"	100	20.80
801-ID-16-100	ID-16-100	16	.3"	100	20.80
801-ID-18-50	ID-18-50	18	.3"	50	20.80
801-ID-20-50	ID-20-50	20	.3"	50	20.80
801-ID-22-50	ID-22-50	22	.4"	50	20.80
801-ID-24-50	ID-24-50	24	.6"	50	20.80
801-ID-28-50	ID-28-50	28	.6"	50	20.80
801-ID-40-25	ID-40-25	40	.6"	25	21.41
801-ID-96-25	ID-96-25	96	.3"	25	21.41



HAND WRAPPING, STRIPPING AND UNWRAPPING TOOLS

Each WSU tool wraps, unwraps and even strips the appropriate wire diameter with a unique built-in stripper blade. Ideal for bench use or tool kit in all service and repair applications. In addition to versatility, convenience, and reliability, the WSU Series offers exceptional value.

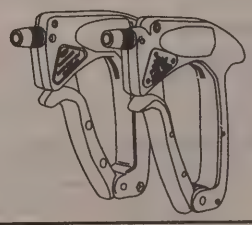
MOUSER STOCK NO.	OK Industries Part No.	AWG Size	Terminal Hole Depth (In.)	Terminal Hole Dia. (In.)	Outside Dia. (in.)	Square Post (In.)	Price Each
801-WSU-2224	WSU-2224	22-24	1.50	.075	.213	.045	45.72
801-WSU-24M	WSU-24M	24	1.50	.075	.213	.045	45.72
801-WSU-26M	WSU-26M	26	1.50	.075	.213	.045	45.72
801-WSU-30	WSU-30	30	1.50	.036	.125	.025	32.85
801-WSU-30M	WSU-30M	30	1.50	.036	.125	.025	31.95



MANUAL WIRE WRAPPING TOOLS

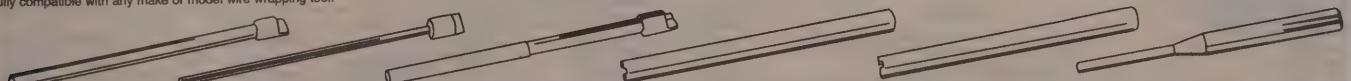
Accommodates wire sizes from 22 AWG through 32 AWG. Offered in aluminum, insulated aluminum, and lexan, an industrial grade plastic.

MOUSER STOCK NO.	OK Industries Part No.	Description	Price Each
801-G200R3278	G200/R3278	Lexan	112.58
801-G100R3278	G100/R3278	Aluminum	148.95
801-G100R3278INS	G100/R3278INS	Insulated Aluminum	159.27



WIRE WRAPPING BITS AND SLEEVES

Fully compatible with any make or model wire wrapping tool.



Bits

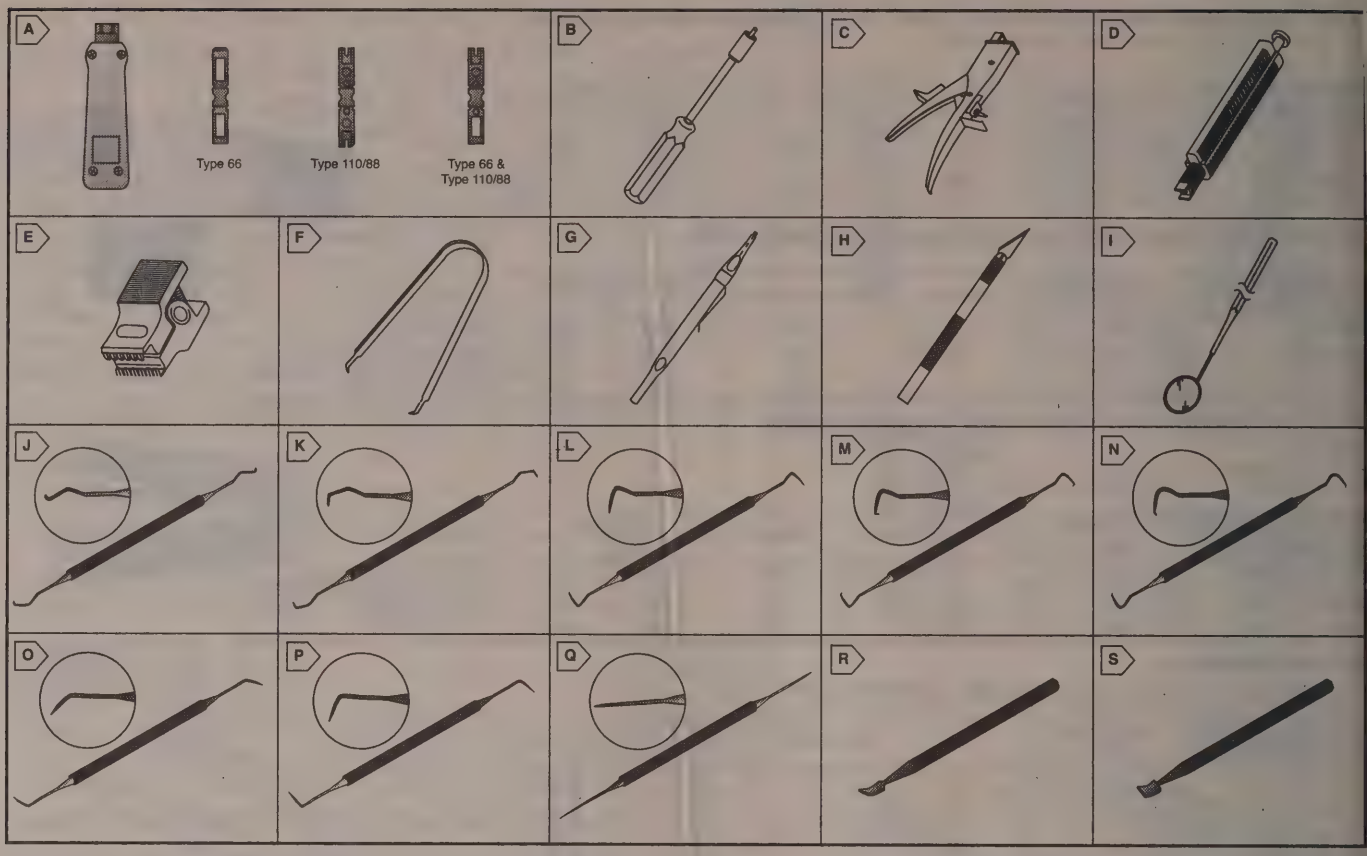
MOUSER STOCK NO.	OK Industries Part No.	AWG	Wrap	Price Each
801-KB224	KB224	22-24	Reg.	47.98
* 801-WB26SM	WB26SM	26	Mod.	50.81
* 801-WB3032M	WB3032M	30-32	Mod.	50.81

Sleeves

MOUSER STOCK NO.	OK Industries Part No.	Maximum Insulation Dia.	Minimum Term Diag.	Maximum Term Diag.	Terminal Hole Depth (In.)	Terminal Hole Dia. (In.)	Price Each
801-P2224	P2224	------	.054	.073	.807	.075	20.81
801-P26LN	P26LN	.031	.023	.038	.750	.040	37.26
801-P3032	P3032	.027	.034	.038	.750	.040	37.26

* Recommended for .025" square terminals on .100" centers.

Tools, Inspection Mirrors, Probes and Hooks



IMPACT AND PUNCH DOWN TOOL/BLADES

epd eagle plastic devices

MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
382-3240	A	Impact & punchdown tool	20.49	18.63
382-0014	A	Blade, type 66	10.20	9.18
382-0014B	A	Blade, type 110/88	10.20	9.18
382-0014C	A	Blade, type 66 & 110/88	10.20	9.18

KNURLED NUT TOOL

epd eagle plastic devices

For tightening 4mm & 6mm slotted knurled nuts. Stock Number: 16PJ100/125/126/128 (2.5mm) and 16PJ011/135/136/137/138 & 164-1010 (3.5mm)

- Blade Length: 3 inches
- Accurately mates into knurled nut slots which are spaced 180° apart.
- Total Length: 5 7/8 inches
- Nickel plated finish

MOUSER STOCK NO.	Fig.	Knurled Nut Size (mm)	Price Each 1	Price Each 5
382-0004	B	4	5.94	4.76
382-0006	B	6	5.94	4.76

DELUXE NIBBLING TOOL

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	GC/Waldom Part No.	Fig.	Description	Price Each
524-1806	12-1806-0000	C	Cuts metal & non-brittle plastic	12.55

ANTI-STATIC IC INSERTION TOOLS

For quantities of 10 and up, call for quote.

524-12-4116	12-4116	D	14 - 16 pin insertion tool	10.45
524-12-4128	12-4128	D	24 - 28 pin insertion tool	13.32
524-12-4140	12-4140	D	36 - 40 pin insertion tool	13.32

IC EXTRACTOR TOOLS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
38IC565	E	Spring clip / for use up to 16 pin	3.41
524-9227	F	IC spring steel extractor	3.22

TRIMMER POTENTIOMETER ADJUSTMENT TOOL

Spectrol

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Spectrol Part No.	Fig.	Description	Price Each
594-8T000	8T000	G	Stainless steel blades, glass filled nylon	1.50

XCELITE KNIFE, BLADES, AND KNIFE SET

COOPER Hand Tools

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.	Xcelite Part No.	Fig.	Description	Price Each
578-XN100B	XN100B	H	Light duty knife	2.00
578-XNB103	XNB103	-	5 blade pack	2.03
578-XNS100	XNS100	-	Knife set, 10 assorted blades	9.65

INSPECTION MIRRORS

Wiha

- Clean Room Quality
- Magnifying, Boilable, Detachable
- For Visual Checks and Fault Finding at Inaccessible Locations.
- Natural Finish, Stainless Steel

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Wiha Part No.	Fig.	Description	Mirror Size	Price Each 1	Price Each 5
596-40410	40410	I	#0 IM - 185mm	10 mm	36.98	26.81
596-40414	40414	I	#1 IM - 200mm	14 mm	36.98	26.81
596-40420	40420	I	#3 IM - 205mm	20 mm	36.98	26.81
596-40426	40426	I	#6 IM - 215mm	26 mm	36.98	26.81
596-40430	40430	I	#8 IM - 215mm	30 mm	36.98	26.81

PROBES AND HOOKS

Wiha

PRODUCT NEW

Features for Probes:
- For Levering and Removing Components
- For Work on PCB's, Modeling

Features for Hooks:
- Sharp hooks for Cutting and Marking
- Surgical Stainless Steel
- For Work on PCB's

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Wiha Part No.	Fig.	Description	Price Each 1	Price Each 5
Stainless steel, Polished finished Probes					
596-43222	43222	J	3220.2-06 170mm	22.76	21.62
596-43223	43223	K	3220.3-05 170mm	22.76	21.62
596-43224	43224	L	3220.4-16 170mm	22.76	21.62
596-43225	43225	M	3220.5-09 170mm	22.76	21.62
596-43226	43226	N	3220.6-10 170mm	22.76	21.62
596-43227	43227	O	3220.7-17 170mm	22.76	21.62
596-43228	43228	P	3220.8-02 170mm	22.76	21.62
596-43229	43229	Q	3220.9.09 170mm	22.76	21.62
Stainless steel, Natural finished Hooks					
596-43232	43232	R	3230.2-03 155mm	29.98	28.48
596-43236	43236	S	3230.6-60 155mm	29.98	28.48

Punches, Drill Bits, and Tool Sets

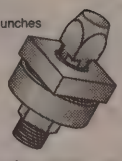
DELTRON Emcon PANEL PUNCHES

unching capacity: Mild steel .065" (1.65mm), aluminum .079" (2mm)
: Use of ball race is optional. Other punches are supplied with ball race.

Round Metric Hole Punches

Round hole punches

Square hole punches



80-0125, 380-0145, and 380-0165
o not require ball races

MOUSER STOCK NO.	Hole Size (mm)	Price Each
380-0125	12.5	16.53
380-0145	14.5	19.50
380-0165	16.5	19.50
*380-0180	18.0	19.50
*380-0200	20.0	19.50
*380-0225	22.5	19.50
*380-0250	25.0	22.79
*380-0275	27.5	22.79
*380-0300	30.0	22.79
380-0350	35.0	25.97
380-0400	40.0	27.33
380-0450	45.0	42.54
380-0500	50.0	51.60
380-0600	60.0	59.44
380-0750	75.0	161.00

Optional Ball Race

For use with square and round hole punches where all races are optional.

38BB002	10mm	6.44

Round Imperial Hole Punches

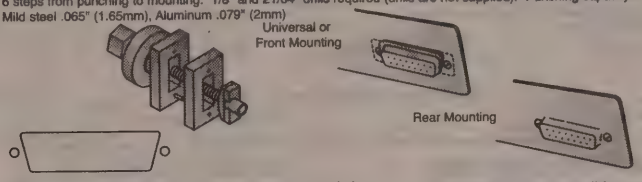
MOUSER STOCK NO.	Hole Size (In.)	Price Each
*38RH034	3/4	19.50
*38RH078	7/8	19.50
*38RH100	1	22.79
*38RH114	1-1/4	22.79
38RH112	1-1/2	31.88
38RH134	1-3/4	42.54

Square Metric Hole Punches

38SQ038	9.53	46.61
380-0126	12.6	51.84
*380-0141	14.1	51.84
*380-0168	16.8	51.84
*38SQ034	19.1	58.69
*380-0325	32.5	156.65
380-1450	45.0	345.96

DELTRON Emcon D-SUB CONNECTOR PUNCHES

The easiest way to cut holes in mild steel, aluminum, etc. is to use Deltron's "D" connector hole punches. It is almost effortless when using the friction reducing ball race (which is supplied). It is a patented design, with only 6 steps from punching to mounting. 1/8" and 21/64" drills required (drills are not supplied). Punching capacity: Mild steel .065" (1.65mm), Aluminum .079" (2mm)



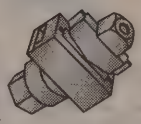
• For precise installation when a universal punch just won't do

For quantities of 6 and up, call for quote.

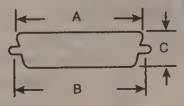
MOUSER STOCK NO.	No. of Pins	Dimensions (In.) Length	Dimensions (In.) Width	Mounting	Price Each 1	Price Each 5
Rear Mounting D-Sub Connector Punches						
38DM919	9	.78	.445	Rear	247.51	222.76
38DM928	15	1.11	.445	Rear	247.51	222.76
38DM941	25	1.65	.445	Rear	247.51	222.76
38DM958	37	2.30	.445	Rear	266.79	240.11
38DM955	50	2.19	.55	Rear	266.79	240.11
Front Mounting D-Sub Connector Punches						
38DM921	9	.78	.51	Front	247.51	222.76
38DM929	15	1.165	.51	Front	247.51	222.76
38DM943	25	1.708	.51	Front	247.51	222.76
38DM959	37	2.354	.51	Front	266.79	240.11

GREENLEE®

ELECTRONIC CONNECTOR PANEL PUNCHES



Features:
- Drill only one 7/16" pilot hole
- Use wrench or hydraulic drive methods
- Capacity 22-16 gauge mild steel
- Universal size for front or back mount of connectors
- 5 piece assembly: Punch, die, draw stud, square nut, and ball bearing drive nut (in a plastic carrying case)



For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	No. of Pins	Dimensions (In.) A	Dimensions (In.) B	Dimensions (In.) C	Price Each
586-0229	9	.787	.982	.469	418.38
586-0231	15	1.127	1.309	.469	418.38
586-0232	25	1.655	1.853	.469	418.38
586-0234	37	2.296	2.497	.469	451.67
586-0238	50	2.201	2.402	.579	451.67

GREENLEE®

STANDARD METAL KNOCKOUT PUNCHES

Operate manually using wrench to turn the threaded draw stud into the mating threads of the punch. This draws the punch into the die, shearing a hole in the material being punched. Can also be operated with ratchet or hydraulic punch drivers.

Use to punch holes for switches and instruments in enclosures
- Accurate alignment
- Burr-free holes
- 5-piece assembly: punch, die, draw stud, square nut and ball bearing drive nut
- Punch up to 14 gauge mild steel

Type 730 (Round)

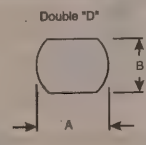
For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Hole Size (In.)	Capacity (Gauge)	Price Each
586-3801	1/2	16	37.12
586-3802	9/16	16	34.67
586-3803	5/8	16	34.66
586-3804	11/16	14	34.66
586-3805	3/4	14	33.05
586-3806	13/16	14	34.66
586-3807	7/8	10	31.02
586-3808	15/16	14	36.11
586-3809	1	14	39.40
586-3810	1-1/16	16	38.41
586-3811	1-1/8	14	40.45
586-3814	1-1/4	16	60.41
586-3815	1-5/16	16	38.41
586-3816	1-3/8	16	53.17
586-3817	1-1/2	16	60.50
586-3818	1-5/8	10	67.64
586-3819	1-3/4	10	74.53
586-3821	2	10	89.83
586-3822	2-1/8	10	91.78
586-3823	2-1/4	10	103.19
586-3824	2-1/2	10	145.65

Square (Formerly 731 Series)

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Hole Size (In.)	Capacity (Gauge)	Price Each
586-3827	.5	14	169.19
586-3831	1	14	233.05



MOUSER STOCK NO.	Dimensions (In.) A	Dimensions (In.) B	Capacity (Gauge)	Price Each
"D" (Formerly 733 Series)				
586-3837	.469	.5	14	169.19
586-3838	.594	.625	14	180.39
586-3839	.703	.75	14	189.35
Double "D" (Formerly 734 Series)				
586-3870	.769	.642	14	192.35
586-3873	.913	.795	14	249.86

GENERAL PURPOSE DRILL BITS AND DRILL BIT SETS

Drill Bit Features:
- Sizes for PC board applications
- High speed steel
- Straight shank

Drill Bit Set Features:
- High speed steel
- Industrial quality
- Black ferous oxide finish cases
- Straight shanks (except for 5876-34156 which has 3/8" reduced shanks)

Drill Bits

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Drill Size Drill No.	Drill Size Hole Size (In.)	Drill Size Length (In.)	Price Each 1	Price Each 10	Price Each 20	Price Each 50
5876-409-52	52	.0635	1 7/8	.88	.80	.74	.67
5876-409-55	55	.0520	1 7/8	.88	.80	.74	.67
5876-409-60	60	.0400	1 5/8	1.01	.91	.84	.77
5876-409-66	66	.0330	1 3/8	1.16	1.05	.96	.88
5876-409-69	69	.0292	1 3/8	1.37	1.24	1.14	1.04
5876-409-75	75	.0210	1	1.55	1.41	1.30	1.18
5876-409-80	80	.0135	3/4	1.55	1.41	1.30	1.18

Drill Bit Sets

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each
5876-34156	15 piece set: No. 1/16" - 1/2" in 1/32" increments, 3/8" reduced shanks	40.05
5876-34181	21 piece set: No. 1/16" - 3/8" in 1/64" increments	34.30
5876-34201	29 piece set: 1/16" - 1/2" in 1/64" increments	69.68
5876-34241	60 piece set: No. 1-60 (.2280" - .0400")	50.59

TOOL SETS

#4-1/2"NC and NF sizes

39 Piece Super Tap and Die Set

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each
5876-44332	Carbon steel plug taps with 1" round screw adjusting dies for 17 most common thread sizes. Includes die stock, tap wrench, (2) T-handle tap wrenches, screw pitch gauge, and molded case.	144.06

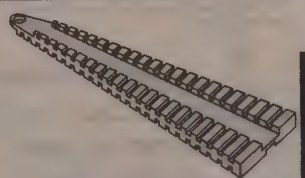
13 Piece Threading Set

5876-41095	Packed in an attractive vinyl display pouch. Contents: 6 wire gauge 135° split point screw machine length HSS drill bits, no.'s 43, 35, 29, 25, 21, and 7; 6 plug taps, 4-40NC, 6-32NC, 8-32NC, 10-24NF, and 1/4-20NC plus tap wrench	13.30

T-Handle Reamer

5876-44268	Hardened and ground steel reamer for removing burrs or enlarging holes in sheet, plastics and similar material. Enlarges holes 1/8" to 1/2"	8.66

SPEEDY BEND LEAD FORMERS



Features:
- Watt size indicates approximate package size
- Centers components on accurate lead spacing
- Each lead former is graduated in .05" increments
- Lead Spacing:
  1/4W: 4-1.5" 1W: 8-1.4"
  1/2W: 5-1.5" 2W: 9-1.9"

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Description (Approx. Size)	Price Each 1	Price Each 5
5166-801	1/4 watt, 1/2 watt	2.94	2.45
5166-901	1 watt, 2 watt	3.54	2.95

PANAVISE Vises, Presses and Accessories

PANAVISE

STANDARD BASE (300)

Standard base holds all regular 300 series heads and PCB holders. Split-ball feature permits work in various positions - turns and tilts. 3 base mounting holes in the lugs allow permanent mounting of base.

For quantities of 5 and up, call for quote.

591-300	$20.99

LOW PROFILE BASE (305)

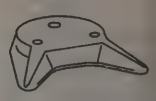
Low profile base has same features as model 300 except it is only 2 1/2" high, for working close to bench surface. Can also be permanently mounted.

For quantities of 5 and up, call for quote.

591-305	$20.99

WEIGHTED BASE MOUNT (308)

Weighted base mount holds model 300 or 305 base with 3 screws and nuts, which are included. Weighs 5 lbs., cast iron.

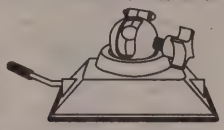


For quantities of 5 and up, call for quote.

591-308	$29.99

VACUUM BASE (380)

Excellent for portable applications. Simply flip the lever to "activate" the rubber base and attach the unit to any non-porous surface. Holds all 300 series heads.



For quantities of 5 and up, call for quote.

591-380	$33.99

BENCH CLAMP (311)

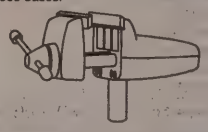
Bench clamp designed for bases 300 and 305 with screws supplied. Height 6 3/4", throat depth 2 3/8", gripping range 0"-3 1/2"

For quantities of 5 and up, call for quote.

591-311	$39.99

STANDARD VISE HEAD (303)

Standard vise head has 2 1/2" wide nylon jaws that open 2 1/4" and allow firm but damage-free grip. Fits 300 and 305 bases.



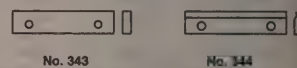
For quantities of 5 and up, call for quote.

591-303	$24.99

NYLON JAWS (343 AND 344)

No. 343: Nylon jaws for 303 vise; type 66 nylon; electrical insulation withstands continuous heat of 200°F.

No. 344: Grooved nylon jaws with horizontal V-groove designed to hold small objects



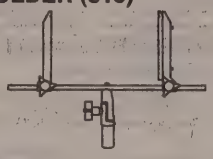
No. 343
Nylon jaws for 303-1 Vise

No. 344
Grooved nylon jaws

591-343	$2.79
591-344	$3.79

CIRCUIT BOARD HOLDER (315)

Circuit board holder; holds PC boards of any shape, up to 12" wide in any position. Tension arm permits easy board insertion. Both arms extend 6" from the bar, with V-grove grip designed to hold PCB's up to 5/32" thick. Fits all 300 series bases.

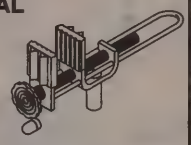


For quantities of 5 and up, call for quote.

591-315	$32.99

WIDE OPENING VERTICAL VISE HEAD (366)

Wide opening vertical vise head fits all 300 series bases. Neoprene reversible, replaceable pads, rotates 360°. Tilt action 180°, grip range 0"-6", jaw pad width 1 3/4", throat depth 2".

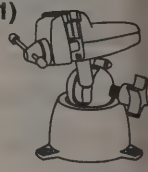


For quantities of 5 and up, call for quote.

591-366		$33.99
591-346	Replacement Jaw Pads, Pair	$2.99

STANDARD PANAVISE (301)

All purpose work holding unit. It tilts, turns, and rotates. This combination consists of the 300 Standard Base and the 303 Standard Head which has 2 1/2" wide nylon jaws that open 2 1/4" for firm but damage free grip. Control knob locks the work firmly in any position.

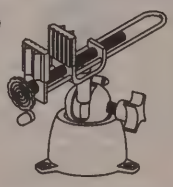


For quantities of 5 and up, call for quote.

591-301	$44.99

WIDE OPENING HEAD (396)

The combination of the 366 Wide Opening Head and the 300 Standard Base makes this holding device very versatile for production lines, technicians, and designers. It opens to a full 6" to accommodate most PC boards. The deep-ribbed, neoframe jaw pads reverse to hold delicate cylindrical objects such as timers, coils, motor armatures, etc...



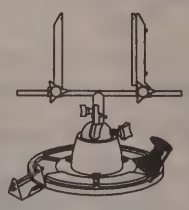
For quantities of 5 and up, call for quote.

591-396		$53.99
591-346	Replacement Jaw Pads, Pair	$2.99

ELECTRONIC WORK CENTER (324)

A complete electronic work center. The work station gives you a circuit board holder, standard base, tray base mount, and solder station, all in one package. Keeps work areas more efficient and manageable.

Soldering iron not included.



For quantities of 5 and up, call for quote.

591-324	$81.99

PV JR. MINI PANAVISE (201)

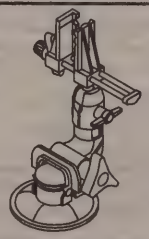
More like a tool than a vise, the grooved jaws open to 2 7/8" and are made of fiber reinforced thermal composite alloy. Jaws are controlled with a fine/coarse adjusting knob which permits very delicate work.

For quantities of 5 and up, call for quote.

591-201	$23.99

VACUUM BASE PRECISION VISE (209)

The most portable precision vise you'll ever own. Perfect for light duty field repairs, electronics, hobby and other projects. Will hold items weighing up to 3 lbs.

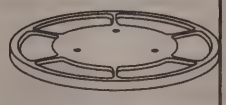


For quantities of 5 and up, call for quote.

591-209	$32.99

TRAY BASE MOUNT (312)

Designed for the low profile and standard base. This is a very stable work platform, yet is easily portable. Six individual trays are cast into base for holding of small parts. Tray mount is exceptionally stable and resists tipping. It has 6 non-marring, anti-skid base pads. Standard base attaches with 3 screws, which are included.

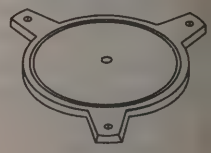


For quantities of 5 and up, call for quote.

591-312	$19.99

MAGNETIC BASE MOUNT (335)

Attaches to any metal surface. Includes 3 mounting screws to attach to models 300 and 305.

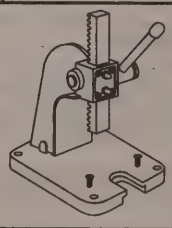


For quantities of 5 and up, call for quote.

591-335	$18.99

PRECISION PANAPRESS (502)

The 502 Precision PanaPress is ideal for pressing bearings, sleeves, collars, forming and assembling small parts, punching, riveting, broaching, staking, etc. Exerts pressures up to 1/4 ton and features a reversible ram.

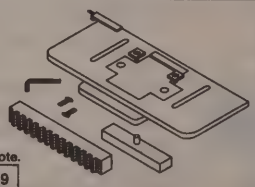


For quantities of 5 and up, call for quote.

591-502	$119.99

IDC RETROFIT KIT (506)

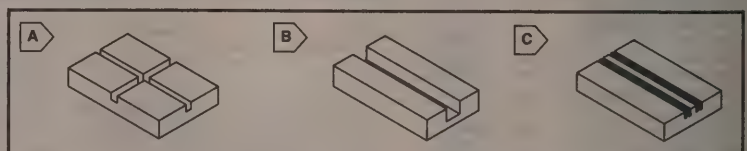
Converts the 502 Precision PanaPress into an IDC Bench Assembly Press. When used with interchangeable base plates it accommodates a bread range of IDC connectors, which are capable of mass terminating up to 64 conductor cable in seconds without wire stripping or soldering.



For quantities of 5 and up, call for quote.

591-506	$59.99

ACCESSORIES FOR IDC RETROFIT KIT



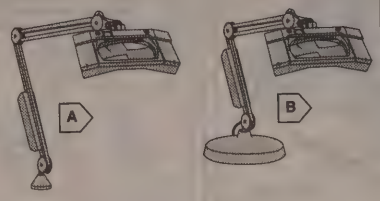
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
591-510	A	For female socket transition connectors. Fits: Ansley, Amphenol/Spectra Strip, 3M/AP Products, Alpha, Augat, Souriau	29.99
591-510A	A	For female socket transition connectors. Fits: Belden	29.99
591-511	B	For card edge connectors. Fits: Ansley, 3M/AP Products, Alpha	29.99
591-512	C	For standard DIP plugs. Fits: all makes either .100" x .300" or .100" x .600" (industry standard sizes)	29.99
591-512A	C	For miniature DIP Plugs. Fits: all makes .100" x .100" (industry standard)	29.99

LUXO Magnifiers and Microscopes

WAVE+PLUS MAGNIFIERS WITH 3.5-DIOPTER LENS

WAVE+ magnifier combines innovative product esign and functional engineering to achieve a uperior product. Its 3.5 diopter lens (1.85X), easuring 6.75" x 4.5", delivers a crisp, distortion-ree viewing window. Precision-balanced arms aintain the position they're placed in and uperior quality "necks" permit the head of the agnifier to be angled properly. Two 13-watt uad fluorescent tubes give excellent illumination. ccessory lenses allow inspection at agnification levels up to 4.35X. All products are L/CUL listed and carry a 5-year warranty.



Also available in Black (BK)

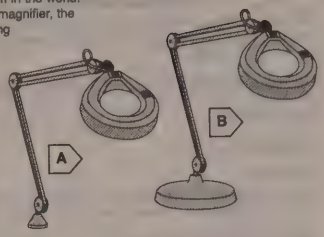
MOUSER STOCK NO.	Luxo Part No.	Fig.	Arm Length	Mount	Color	Price Each
536-17845LG	17845	A	45"	Clamp (A)	Lt. Gray	355.00
536-17847LG	17847	B	30"	Weighted Base (FE)	Lt. Gray	413.00

Accessories

MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-36205	36205	13 watt compact fluorescent lamp	14.00
536-50074	50074	4-diopter accessory lens	47.00
536-50078	50078	8-diopter accessory lens	50.00
536-50206	50206	10-diopter swing away lens	105.00

KFM SERIES MAGNIFIERS

The KFM Series is the most widely used magnification system in the world. Backed by more options and quality features than any other magnifier, the KFM Series is well equipped to handle virtually any magnifying challenge. And now, with new enhancements, KFM magnifiers are even more powerful and convenient to use. 5" diameter, 3 diopter lens (1.75x) standard. All products are UL/CUL listed.



Features:

- Instant-On Switch
- Adjustable Neck
- Electronic ballast
- 22W circline fluorescent light source, included
- Internal Spring Arm
- Highest color clarity lens
- Built in mounting clip for accessory 10 diopter lens (not included)

- Also available in Black (BK), White (WT)

MOUSER STOCK NO.	Luxo Part No.	Fig.	Arm Length	Mount	Color	Price Each
536-17113LG	17113	A	45"	Edge Mount	Lt. Gray	225.00
536-17253LG	17253	B	30"	Weighted Base	Lt. Gray	356.00

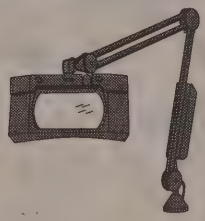
Accessories

MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-31640	31640	22 watt fluorescent lamp	14.00
536-50201	50201	Accessory lens with 4D KFM 4-diopter	50.00
536-50202	50202	Accessory lens with 8D KFM 8-diopter	54.00
536-50206	50206	10D swing-away lens 10-diopter	105.00

WAVE+PLUS ESD & WAVE+PLUS UV MAGNIFIERS

The **Wave+ESD Magnifier** combines 3.5 diopter lens (6-3/4" x 4-1/2") for 1.85x magnification and crisp distortion-free viewing window with a precision-balanced arm to permit proper positioning of the light for the task.

Wave+ Plus UV Illuminated Magnifier combines the class-leading design characteristics and high function of the original Wave+ Plus illuminated magnifier, with a new ultraviolet light source. UV light is the ideal choice when inspecting conformal coating applications in circuit board and electronic assembly manufacturing plants.



MOUSER STOCK NO.	Luxo Part No.	Arm Length	Mount	Color	Price Each
536-17900BK	17900	45"	ESD with A/R coating	Matte Black	555.00
536-17915BK	17915	45"	WAVED + UV K1AH	Matte Black	495.00

INTERMEDIATE FLUORESCENT MAGNIFIER

Medium Duty Illuminated Magnifier with Circular Lens.
All products are UL/CUL listed

Features:

- Upgraded to sturdy, all steel construction
- 5" diameter lens in 3-diopter
- 22W circline fluorescent light source, included

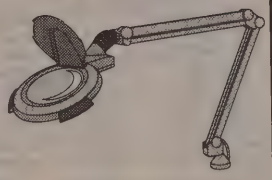
MOUSER STOCK NO.	Luxo Part No.	Arm Length	Mount	Color	Price Each
536-16345LG	16345LG	45"	Clamp	Lt. Gray	105.00

Accessories

MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-31640	31640	22 watt fluorescent lamp	14.00

CIRCUS MAGNIFIER

New from Luxo, Circus is a magnifier that operators will want to use. Its "space-age" styling and thin profile belie the strength and precision movement of the arm and magnifier head. A new neck with no exposed hardware holds the head exactly where its positioned. The arm has an attractive plastic housing that fully encloses its 19mm square steel tubing construction. All products are UL/CUL listed.



Features:

- Large 6" diameter
- 3.5 diopter (1.85X)
- Electronic ballast
- 22-watt high output fluorescent light
- Protective cover
- Color: White with gray accents

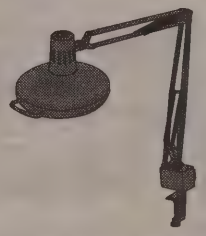
MOUSER STOCK NO.	Luxo Part No.	Arm Length	Mount	Price Each
536-17970WT	17970WT	40"	AH Clamp Style	450.00

Accessories

MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-37559	37559	22 watt T5 Circular lamp	33.00
536-50208	50208	4-diopter accessory lens	80.00
536-50209	50209	6-diopter accessory lens	80.00

HEAVY DUTY COMBINATION LIGHT

This Heavy Duty Combination Light features both a 60 watt incandescent and a 22-watt circline florescent bulb providing optimal illumination. Complete with a 42" arm, convenience outlet and 3-conductor cord set, this combination light is ideal for any environment demanding superior lighting.



MOUSER STOCK NO.	Luxo Part No.	Arm Length	Mount	Color	Price Each
536-L012	L012	42"	Edge Clamp	Matte Black	146.00

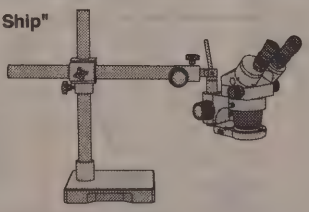
Accessories

MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-60008MB	60008	Optional: Weighted K Base	60.00

MICROSCOPES "Factory Drop Ship"

The System 250FL features a Binocular Stereo-Zoom Microscope with Boom Stand and a Fluorescent Ring Light. Luxo's Binocular S-Z scope has a sturdy, heavy duty, cast aluminum alloy housing that rotates 360° in its focus mount.

Models are standard with 10X widefield eyepieces and have a zoom range from .65X to 4.5X giving it a magnification range of 6.5S-45X.



MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-18714	18714	System 250	1250.00
536-18712	18712	System 250 FL	1480.00

Accessories

MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-18750	18750	0.5X Lens	125.00
536-18700	18700	Stereo-Zoom Binocular	750.00

HEAVY DUTY FLUORESCENT TASK LIGHT

This Heavy Duty Fluorescent Task Light combines superior illumination and enhanced design. The heavy duty steel shade with molded handle houses two 15W fluorescent lamps. A built in starter provides rapid-start illumination. This product comes standard with an edge clamp, 3-wire cordset and a 600-watt convenience outlet standard.

MOUSER STOCK NO.	Luxo Part No.	Arm Length	Mount	Color	Price Each
536-L512MB	L512	42"	Edge Clamp	Matte Black	130.00
536-L512LG	L512	42"	Edge Clamp	Lt. Gray	130.00

Accessories

MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-60008MB	60008	Optional: K Base	60.00
536-60008LG	60008	Optional: K Base	60.00

DIGITAL SOLDERING STATION AND ACCESSORIES

Quick heat up, fast recovery, and more reliable than ever. A new generation of digital electronically controlled soldering stations for fast efficient soldering.

WD1000 Station Includes WSP80 Pencil

Specifications:

- 95 Watt
- 120V(input)/24V(output)

Features:

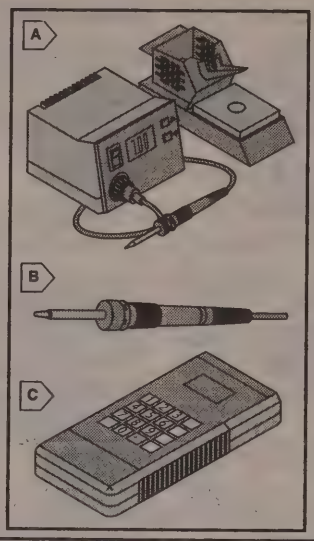
- Programmable using optional WCB1 programming module allows for temperature lock-out, temperature set-back, and F° to C° conversion
- UL Listed, ESD Safe
- Uses economical LT series tips

WSP80 Tip Features:

- Unique silver heating element and tip configuration is more conductive so that the heat passes directly into the tip
- Weller low-mass tip has a 10% faster recovery time
- Achieves very little temperature loss when making mass connections or during fast soldering

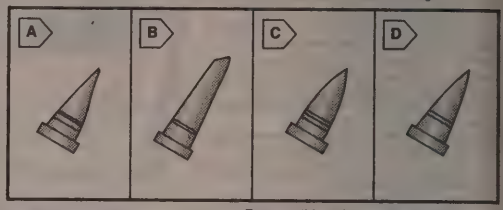
For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each
578	WD1000	A	95W Digital Station	285.96
578	WSP80	B	Soldering Iron	114.21
578	WCB1	C	Programming Module	159.00



LT Series Tips for WSP80 Iron

- Weller low-mass tip has a 10% faster recovery time
- Little temperature loss when making mass connections or fast soldering



For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	10	20
578	LT-I	A	.25mm round	4.26	4.08	3.64
578	LT-IS	A	.2mm round	4.26	4.08	3.64
578	LT-AS	A	1.6mm round	4.26	4.08	3.64
578	LT-B	B	2.4mm chisel	4.26	4.08	3.64
578	LT-C	C	3.2mm chisel	4.26	4.08	3.64
578	LT-H	C	.8mm chisel	4.26	4.08	3.64
578	LT-CS	D	3.2mm round	4.26	4.08	3.64
578	LT-D	C	4.6mm chisel	4.26	4.08	3.64
578	LT-K	C	1.2mm chisel	4.26	4.08	3.64
578	LT-A	B	1.6mm chisel	4.26	4.08	3.64

WMRS MICRO REWORK STATION

NEW PRODUCT

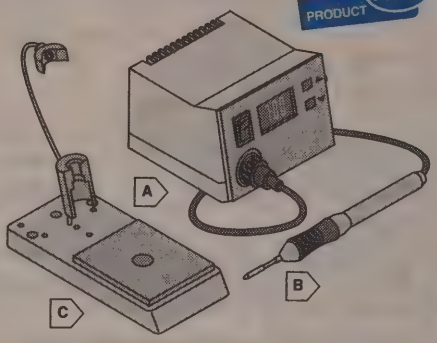
Blazingly fast heat-up and ultra-fine, ultra-precise tips make this station the choice for soldering and rework on extremely close-packed boards.

Specifications:

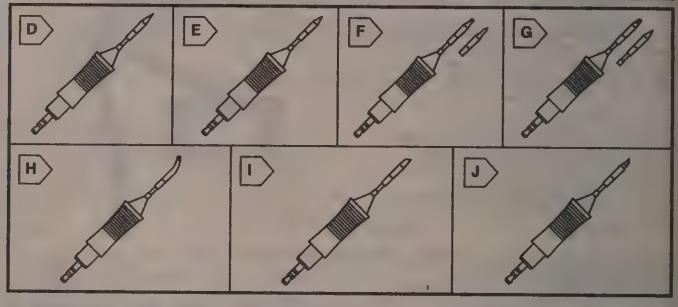
- Voltage 120V(input); 24V(output)
- Temperature Range 150°F to 850°F

Features:

- Heating element is built into the soldering tip for super-fast heat-up and recovery
- When placed in the stand, pencil has auto-off, or temperature setback capability for extended tip life
- Pencil uses RT tips



MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each
578	WMRS	A	MICRO Rework Station with Pencil and Stand	465.00
Replacement Parts				
578	WMRP	B	Chrome Plated Aluminum Pencil	108.75
578	WMRH	C	Stand	108.75



RT Series Tips for WMRP Pencil

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Width (mm)	Thickness (mm)	Reach (mm)	Price Each
578	RT1	D	Needle	------	------	42	38.80
578	RT2	E	Fine Point	------	.41	42	38.80
578	RT3	F	Chisel	.41	1.3	42	38.80
578	RT4	G	Chisel	.41	1.5	42	38.80
578	RT5	H	Bent Chisel	.41	.79	42	38.80
578	RT6	I	Round Sloped	-----	1.19	42	38.80
578	RT7	J	Knife	-----	2.8	42	40.74

WES51 SOLDERING STATION

Features:

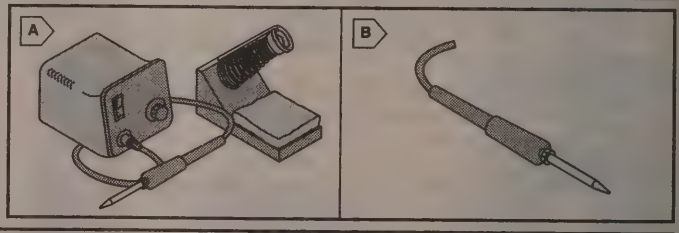
- Quick heat up and recovery
- Temperature lockout
- 50W of power
- ESD Safe
- UL listed

Specifications:

- Temperature Range: 350°-850° F
- Temperature Stability: +/- 10°F

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each
578	WES51	A	50W Analog Station	121.58
578	PES51	B	Soldering Iron	35.88



ET Series Tips for EC1201A, PES50, and PES51 Irons

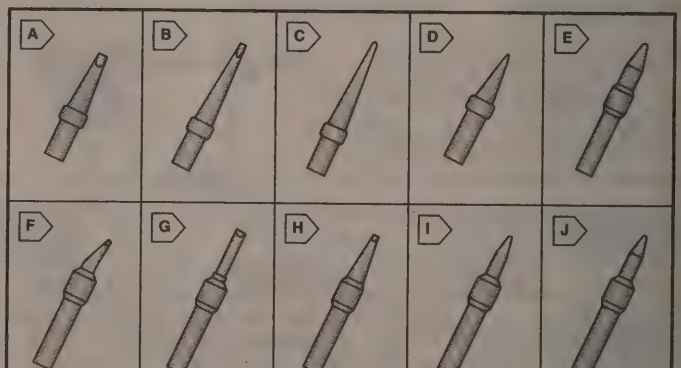
For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Size (In.)	Reach (In.)	Price Each 1	10	20
578	ETA	A	Screwdriver tip	.06	.62	4.09	3.91	3.47
578	ETB	A	Screwdriver tip	.09	.62	4.09	3.91	3.47
578	ETC	A	Screwdriver tip	.12	.62	4.09	3.91	3.47
578	ETD	A	Screwdriver tip	.18	.75	4.09	3.91	3.47
578	ETH	A	Screwdriver tip	.03	.62	4.09	3.91	3.47
578	ETK	B	Long screwdriver	.041	1.00	4.09	3.91	3.47
578	ETO	C	Long conical tip	.03	1.00	4.23	4.05	3.61
578	ETS	C	Long conical tip	.01	1.00	4.09	3.91	3.47
578	ETP	D	Conical tip	.03	.62	4.09	3.91	3.47
578	ETR	B	Narrow screwdriver	.06	.62	4.09	3.91	3.47

EPH Series Tips for EC1302B (20W) Iron

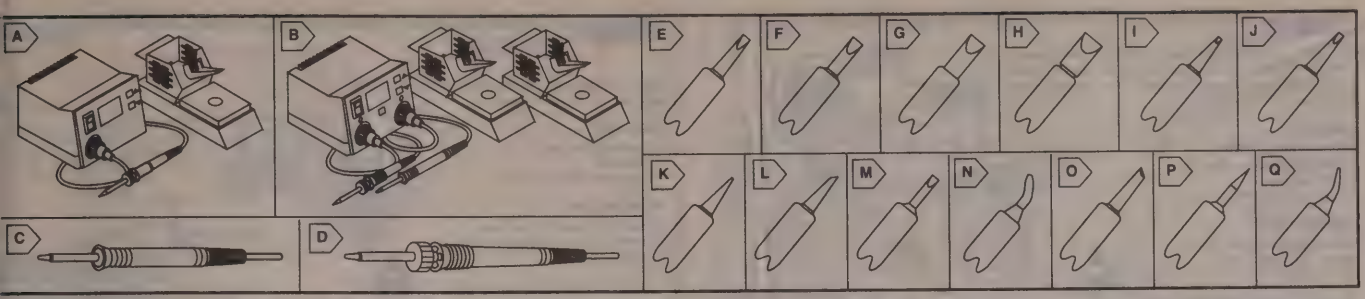
For quantities of 50 and up, call for quote.

578	EPH101	E	Micropoint tip	.01	.43	5.66	5.47	5.01
578	EPH102	F	Bent conical tip	.03	.43	4.30	4.11	3.65
578	EPH106	G	Screwdriver tip	.06	.43	4.30	4.11	3.65
578	EPH107	H	Chisel tip	.07	.43	4.30	4.11	3.65
578	EPH109	I	Conical tip	.03	.43	4.30	4.11	3.65
578	EPH110	J	Conical tip	.06	.43	4.30	4.11	3.65



WELLER Digital Soldering Stations

Weller



WD1001 DIGITAL SOLDERING STATIONS

Features:
- Heating element is in the tip
- Tip temperature is adjustable
- Super fast heat up
- Superior thermal recovery
- Non burnable silicone cord
- ESD safe

Specifications:
- Electrical: 120V(input) 24V(output)
- Temperature Range: 150°F-850°F
- Temperature Stability: +/- 9°F

WSL Digital Soldering Station with WMP Micro Soldering Pencil

For quantities of 12 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	6
578—	WD1001	A	95W Digital Station	285.00	275.50

WSL Dual Digital Soldering Station with WMP Micro and WSP80 Soldering Pencils

For quantities of 12 and up, call for quote.

578—WSL2	B	95W Dual Digital Station	463.50	453.20

Soldering Irons

For quantities of 12 and up, call for quote.

578—WMP	C	65W Soldering Iron	101.97	99.93
578—WSP80	D	80W Soldering Iron	114.21	110.52

NT Series Tips for WMP Iron

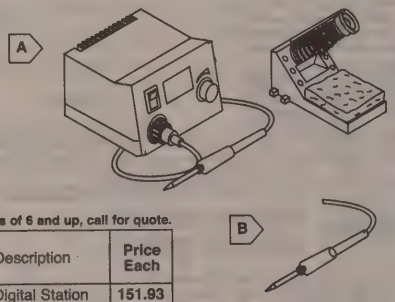
For quantities of 20 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Size (In.)	Reach (In.)	Price Each 1	10
578—	NTA	E	Chisel	0.06	0.33	9.18	9.00
578—	NTB	F	Chisel	0.09	0.29	9.18	9.00
578—	NTC	G	Chisel	0.12	0.3	9.18	9.00
578—	NTD	H	Chisel	0.15	0.3	15.30	15.00
578—	NTH	I	Chisel	0.03	0.33	9.18	9.00
578—	NTK	J	Chisel	0.04	0.33	9.18	9.00
578—	NT1	K	Micro	0.01	0.29	9.18	9.00
578—	NT4	L	Round	0.04	0.39	9.18	9.00
578—	NT6	M	Chisel	0.06	0.37	9.18	9.00
578—	NTAX	N	Bent Chisel	0.06	0.33	10.80	10.57
578—	NTGW	O	Cylindical	0.07	0.52	14.38	14.27
578—	NT1S	P	Micro	0.01	0.33	9.18	9.00
578—	NT1X	Q	Bent Round	0.01	0.32	10.80	10.57

Weller WESD51 DIGITAL SOLDERING STATION

Features:
- Quick heat up and recovery
- Temperature lockout
- UL listed
- Microprocessor controlled with digital LED display
- ESD safe

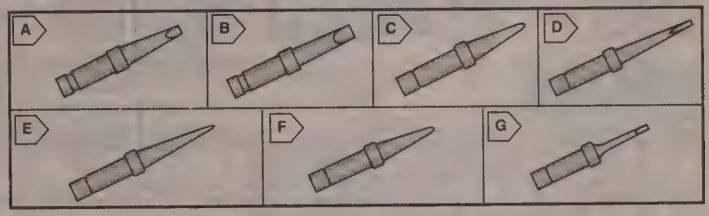
Specifications:
- Temperature Range: 300°F-850°F
- Temperature Stability: +/- 10°F
- Voltage 120V(input) 24V(output)



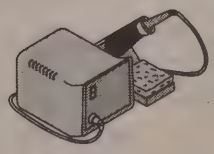
For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each
578—	WESD51	A	50W Digital Station	151.93
578—	PES51	B	Soldering Iron	35.88

Weller WTCPT SOLDERING STATION AND TIPS



Features:
- Special "closed loop" method of controlling maximum tip temperature
- PT series soldering tips come in a variety of shapes and sizes in three temperature ranges



WTCPT Station with 42W Iron

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
578—	WTCPT	WTCPT station / TC201T (42W) iron / PTA7 tip / stand	140.09

Replacement Parts (not illustrated)

For quantities of 6 and up, call for quote.

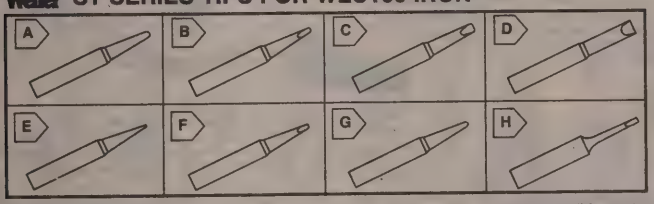
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
578—	TC201T	Soldering iron used with WTCPT station	73.56
578—	SW60	Switch assembly for TC201T iron used with WTCPT station	26.66
578—	EC234	Heater assembly for TC201T iron used with WTCPT station	16.32
578—	BA60	Barrel Nut assembly for TC201T Iron used with WTCPT station	5.88

PT Series Tips for TC201T (42W) Iron

For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Size (In.)	Reach (In.)	Temp Rating	Price Each 1	10	20
578—	PTA6	A	Screwdriver tip	.06	.62	600°F	3.98	3.78	3.33
578—	PTA7	A	Screwdriver tip	.06	.62	700°F	4.17	3.97	3.52
578—	PTA8	A	Screwdriver tip	.06	.62	800°F	3.78	3.58	3.13
578—	PTD6	B	Screwdriver tip	.18	.75	600°F	5.72	5.52	5.07
578—	PTD7	B	Screwdriver tip	.18	.75	700°F	3.98	3.78	3.33
578—	PTD8	B	Screwdriver tip	.18	.75	800°F	3.98	3.78	3.33
578—	PTH7	C	Screwdriver tip	.03	.62	700°F	2.93	2.83	2.60
578—	PTK7	D	Screwdriver tip	.04	1.00	700°F	3.98	3.78	3.33
578—	PTO7	E	Long conical tip	.03	1.00	700°F	3.98	3.78	3.33
578—	PTO8	E	Long conical tip	.03	1.00	800°F	3.98	3.78	3.33
578—	PTP7	F	Conical tip	.03	.62	700°F	5.72	5.52	5.07
578—	PTP8	F	Conical tip	.03	.62	800°F	4.17	3.97	3.52
578—	PTR7	G	Narrow screwdriver	.06	.62	700°F	3.98	3.78	3.33
578—	PTR8	G	Narrow screwdriver	.06	.62	800°F	3.98	3.78	3.33
578—	PTS7	E	Long conical tip	.01	1.00	700°F	3.98	3.78	3.33
578—	PTS8	E	Long conical tip	.01	1.00	800°F	3.98	3.78	3.33

Weller ST SERIES TIPS FOR WLC100 IRON

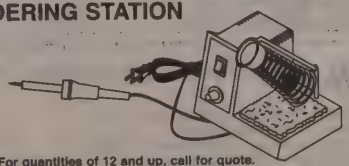


For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Size (In.)	Reach (In.)	Price Each 1	10	20
578—	ST-1	A	Screwdriver tip	.06	.75	3.84	3.42	3.26
578—	ST-2	B	Screwdriver tip	.09	.75	3.84	3.42	3.26
578—	ST-3	C	Screwdriver tip	.12	.75	3.84	3.42	3.26
578—	ST-4	D	Screwdriver tip	.18	.75	3.84	3.42	3.26
578—	ST-5	E	Single flat tip	.03	.75	3.84	3.42	3.26
578—	ST-6	F	Screwdriver tip	.03	.75	3.84	3.42	3.26
578—	ST-7	G	Conical tip	.03	.75	3.84	3.42	3.26
578—	ST-8	H	Narrow SD tip	.06	.75	3.84	3.42	3.26

Weller ECONOMICAL SOLDERING STATION

Features:
- On/off switch w/"power-on" indicator light
- Variable power control produces 5-40W
- Quality lightweight pencil iron
- Natural sponge tip cleaning pad
- ST3 iron plated copper tip
- UL listed



For quantities of 12 and up, call for quote.

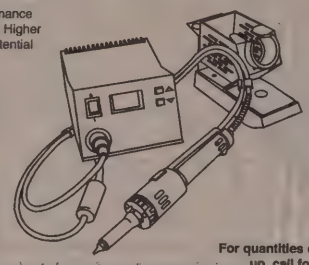
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each 1	6
578—	WLC100	On/off switch, variable power control, lightweight pencil iron, and ST3 iron plated copper tip	51.39	50.01
578—	HE40	Replacement heater element (40W)	12.80	12.35

Weller DIGITAL SHOP AIR DESOLDERING STATION

80 watts of power for faster heat up and better performance even on heavy ground planes and multi-layer boards. Higher power means less time spent on the PCB and less potential for damaging components.

Features:
- Vacuum delay feature
- Uses fast response shop air
- ESD Safe
- Programmable with WCB1

Applications:
Rework and repair through hole boards. Lead-free solder applications.



* Uses DX Series desoldering tiplets

For quantities of 6 and up, call for quote.

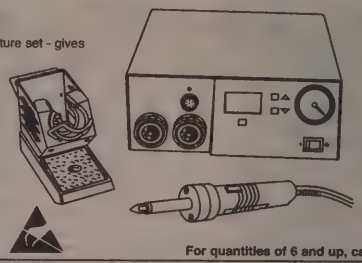
MOUSER STOCK NO.	Mfr. Part No.	Includes:	Price Each 1	Price Each 5
578—WDD81X		Power unit, DXV80 in-line desoldering pencil, and AKV80 stand	642.72	597.40

Weller DIGITAL SELF-CONTAINED DESOLDERING STATION

Digital process control for exact temperature set - gives you control over the process.

Features:
- Vacuum delay feature
- ESD Safe
- Programmable with WCB1

Applications:
Rework and repair through hole boards. Lead-free solder applications.



* Uses DX Series desoldering tiplets

For quantities of 6 and up, call for quote.

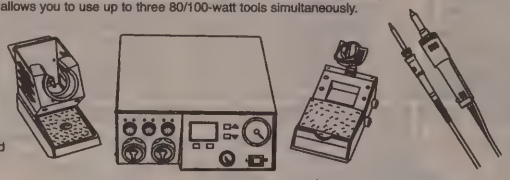
MOUSER STOCK NO.	Mfr. Part No.	Includes:	Price Each 1	Price Each 5
578—WRS1002X		WRS1001 control unit, DXV80 in-line desoldering pencil with internal disposable solder collection tube and AKV80 stand	849.75	821.43

Weller SELF-CONTAINED SOLDER/DESOLDERING STATIONS

300 watts of total power over three independently controlled channels (100 watts per channel) plus air and vacuum ports allows you to use up to three 80/100-watt tools simultaneously.

Features:
- Vacuum delay feature
- Built in pump
- ESD Safe

Applications:
Rework and repair of mixed technology boards.



For quantities of 6 and up, call for quote.

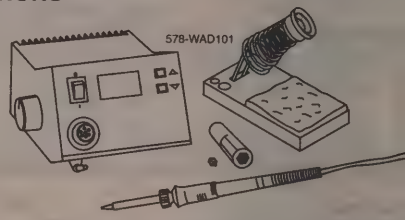
MOUSER STOCK NO.	Mfr. Part No.	Includes:	Price Each 1	Price Each 5
578—WRS3000VX		WRS3000 power unit, DXV80 in-line desoldering pencil, AKV80 stand and sponge, WSP80 soldering pencil, WPH80 stand and sponge.	1365.78	1269.48

Weller HOT AIR STATIONS

Features digital temperature control with easy to read LED display for fast and accurate temperature set of the hot air.

Features:
- Air flow is adjustable
- Compact design
- Programmable with WCB1

Applications:
Rework and repair of SMT boards. Sensitive applications requiring non-contact hot air. Some ground planes and multi-layer boards.

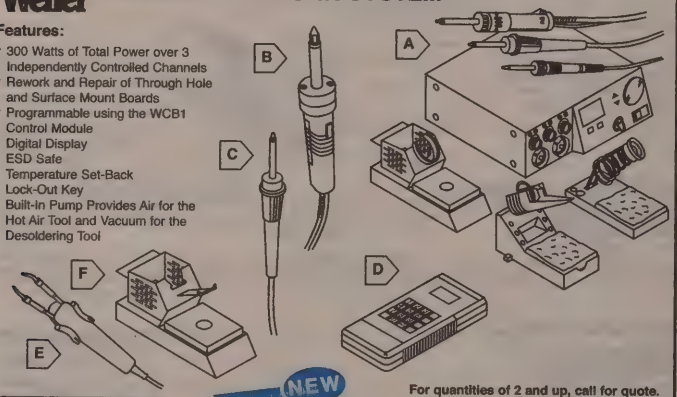


For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Includes:	Price Each 1	Price Each 5
578—WAD101		Shop Air HAP1 hot air pencil, PH60 stand and sponge	552.77	513.97
578—WRS1002		Self-contained HAP1 100 watt hot air pencil, PH60 standard sponge	849.75	821.43

Weller WRS3000X REWORK SYSTEM

Features:
- 300 Watts of Total Power over 3 Independently Controlled Channels
- Rework and Repair of Through Hole and Surface Mount Boards
- Programmable using the WCB1 Control Module
- Digital Display
- ESD Safe
- Temperature Set-Back
- Lock-Out Key
- Built-In Pump Provides Air for the Hot Air Tool and Vacuum for the Desoldering Tool



For quantities of 2 and up, call for quote.

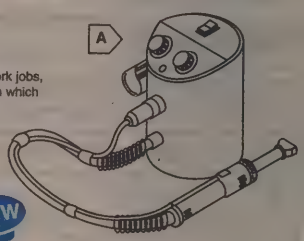
MOUSER STOCK NO.	Mfr. Part No.	Fig.	Includes:	Price Each
578—WRS3000X		A	Rework System	1646.88
578—DXV80		B	Desoldering Pencil	185.40
578—HAP1		C	Hot Air Pencil	185.40
578—WCB1		D	Programming Mod.	159.00
578—WTA50		E	Thermal Tweezers	179.59
578—WTA50SET		F	Thermal Tweezers & AK51 Stand	199.39

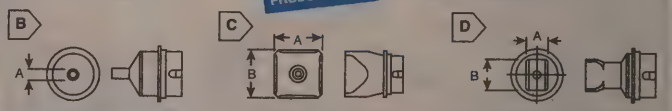
Weller WHA300 HOT AIR REWORK STATION

Economical, yet capable enough to handle most bench top rework jobs, this 700-watt self-contained hot air station has a compact design which maximizes workspace efficiency. Holder saves bench space.

Features:
- Air flow is adjustable
- Finger-activated hot air switch on pencil
- Temperature Range: 150°F-1000°F

Applications:
Weller nozzle technology safely removes QFPs, PGAs, and SMT bases.

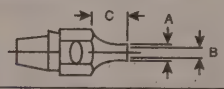




MOUSER STOCK NO.	Mfr. Part No.	Fig.	Dimensions: (mm) A	Dimensions: (mm) B	Price Each 1	Price Each 5
578—WHA300		A	-----	-----	772.50	721.00
Round Nozzle						
578—0058736870		B	7.00	-----	60.41	56.38
4-Sides Heated Nozzle						
578—0058736839		C	11.00	11.00	60.41	56.38
578—0058736814		C	18.00	18.00	60.41	56.38
578—0058736804		C	26.00	26.00	60.41	56.38
578—0058736833		C	32.00	32.00	75.75	70.70
2-Sides Heated Nozzle						
578—0058736842		D	10.00	14.00	60.41	56.38
578—0058736843		D	10.70	10.70	60.41	56.38

PRODUCT NEW

DX Series Tips for DXV80 Iron

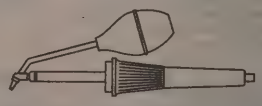


For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Dimensions: (mm) A	B	C	Price Each 1	Price Each 25
578—DX110		1.90	.70	23.00	14.91	14.10
578—DX111		2.50	.70	23.00	14.91	14.10
578—DX112		2.30	1.00	23.00	14.91	14.10
578—DX113		2.50	1.20	23.00	14.91	14.10
578—DX114		3.30	1.80	23.00	14.91	14.10
578—DX116		1.90	.70	23.00	14.91	14.10
578—DX117		2.70	1.20	29.00	14.91	14.10

Weller DS40 DESOLDERING / REPAIR TOOL

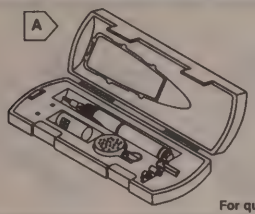
- Valuable repair tool for servicing printed circuit boards and solid state electronics
- Allows components to be removed and replaced quickly with less chance of heat damage
- Complete unit includes 50w tool, vacuum bulb, desoldering assembly with DST4 tiplet



For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each 1	Price Each 6	Price Each 12
578—DS40		Desoldering / repair tool	87.41	84.49	75.75

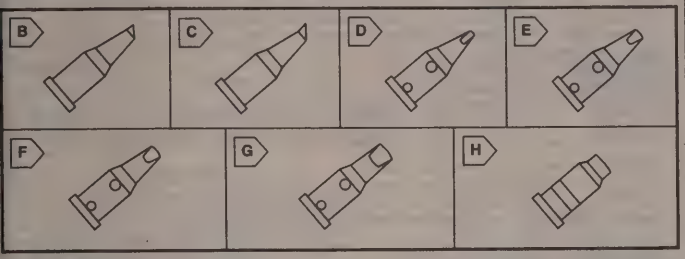
PORTASOL® CORDLESS SOLDERING TOOL KIT



Features:
- Melt solder in under a minute
- Temperatures up to 850°F
- Up to 1 hour continuous use
- Standard butane refills

For quantities of 5 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Kit Includes:	Price Each 1	Price Each 4
578—	P2KC	A	P2C Portasol soldering tool, 5 tips, sponge, tray, case, and holder.	55.00	48.32

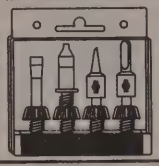


Portasol® Tips For P2C Iron

For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Kit Includes:	Price Each 1	Price Each 5	Price Each 10
578—	PPT1	B	1/32" Single Flat Tip	7.65	7.50	7.35
578—	PPT2	C	3/32" Single Flat Tip	7.65	7.50	7.35
578—	PPT5	D	1/32" Double Flat Tip	7.65	7.50	7.35
578—	PPT6	E	3/32" Double Flat Tip	7.65	7.50	7.35
578—	PPT7	F	1/8" Double Flat Tip	7.65	7.50	7.35
578—	PPT8	G	3/16" Double Flat Tip	7.65	7.50	7.35
578—	PPT9	H	Hot Air Tip	7.65	7.50	7.35

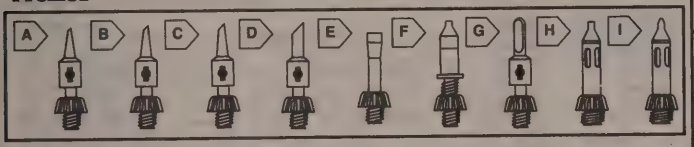
Portasol® Soldering Iron Tip Accessory Kit For P1C Iron



For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Kit Includes:	Price Each 1	Price Each 5	Price Each 10
578—	TB10	T1/T5/T6/T7 in durable case	37.47	36.22	32.47

PORTASOL® TIPS FOR P1C IRON



- Temperature range: T-1 to T-4 tips up to 850°F (450°C), T-5 blow torch up to 2372°F (1300°C), T-6 hot blower and T-7 hot knife up to 850°F (450°C)

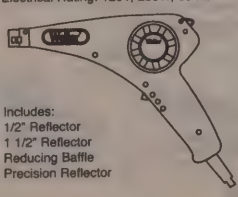
For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 5	Price Each 10
P-1 Portasol Tips						
578—	T1	A	1/32" fine point tip	9.64	9.32	8.35
578—	T2	B	3/32" spade tip	9.64	9.32	8.35
578—	T3	C	1/8" spade tip	9.64	9.32	8.35
578—	T4	D	3/16" spade tip	9.64	9.32	8.35
578—	T5	E	Blow torch tip	9.64	9.32	8.35
578—	T6	F	Hot blower tip	9.64	9.32	8.35
578—	T7	G	Hot knife tip	9.64	9.32	8.35
CIC Portasol Tips						
578—	C2	H	1/8" chisel tip	8.53	8.25	7.58
578—	C3	I	1/8" fine tip	8.53	8.25	7.58

MODEL 6966C INDUSTRIAL HEAT GUN

Features:
- Designed for assembly and repair applications in production plants, laboratories and service shops
- ESD safe
- Approx. 750°F to 800°F hot air at nozzle
- 3 wire grounded plug, 6' cord
- 3 position switch
- Lightweight, 13 oz.
- UL Listed

Specifications:
- Electrical Rating: 120V, 250W, 60 Hz



Includes:
1/2" Reflector
1 1/2" Reflector
Reducing Baffle
Precision Reflector

For quantities of 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Price Each 1	Price Each 6	Price Each 12
578—	6966C	129.98	125.64	112.64

W60P AND W100PG SOLDERING IRONS & TIPS

- UL and cUL listed

W60P and W100PG Soldering Irons

For quantities of 10 and up, call for quote.

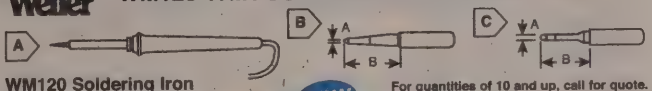
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 5
578—	W60P	A	60W, 120V, 700°F with CT5A7 tip	69.58	66.48
578—	W100PG	B	100W, 120V, 700°F with CT6F7 tip	69.71	65.61

CT Series Tips For W60P and W100PG Irons

For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Size (A) (mm)	Reach (B) (mm)	Price Each 1	Price Each 10	Price Each 20
Use with Iron W60P							
578—	CT5A7	C	1.58	29.36	4.85	4.64	4.13
578—	CT5C7	C	3.17	29.36	4.85	4.64	4.13
578—	CT5D7	C	4.74	29.36	4.85	4.64	4.13
578—	CT5E7	C	6.35	29.36	4.85	4.64	4.13
Use with Iron W100PG							
578—	CT6C7	D	3.17	34.92	6.94	6.67	5.94
578—	CT6D7	D	4.74	34.92	6.94	6.67	5.94
578—	CT6E7	D	6.35	34.92	6.94	6.67	5.94
578—	CT6F7	D	9.52	34.92	6.94	6.67	5.94

WM120 THIN SOLDERING IRON AND TIPS



WM120 Soldering Iron

For quantities of 10 and up, call for quote.

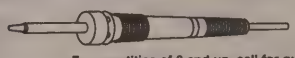
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 5
578—	WM120	A	12W, 120V, 800°F with MP tips	39.38	37.80

MP Series Tips for WM120 Iron

For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Size (A) (mm)	Reach (B) (mm)	Price Each 1	Price Each 10	Price Each 20
578—	MP131	B	.39	11.09	6.96	6.56	6.16
578—	MP133	C	.79	11.09	6.96	6.56	6.16

ESD SAFE SOLDERING IRONS

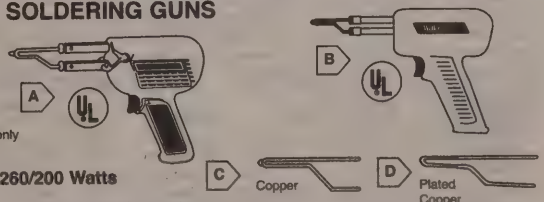


- ESD safe to protect sensitive components
- For use with any Weller EC or Silver Series soldering station, or any WRS rework station.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each
578—	EC1201A	General purpose iron, 40W, ETA tip	103.77
578—	EC1302B	Micro iron, 20W, EPH101 tip	103.77

SOLDERING GUNS



- 120V 60Hz AC only
- 2-wire cord

Model D550 260/200 Watts

- High output
- Pistol-grip design
- Twin lights illuminate work
- Heavy gauge, high-efficiency copper tip

For quantities of 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 6	Price Each 12
578—	D550	A	Trigger selection of heats	48.00	46.40	41.60

Model 8200 140/100 Watts

- High efficiency soldering tip of pure pre-tinned copper
- Pistol-grip design
- "Soldering Tips" booklet included

For quantities of 24 and up, call for quote.

578—	8200	B	Finger tip selection; high/low output	35.33	34.14	30.61

Replacement Tips

- Tip material: tin plated copper

For quantities of 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	For Model #	Package Contains	Price Each 1	Price Each 6	Price Each 12
578—	7135	C	8200/9200K	2 tips	4.09	3.95	3.54
578—	7250	C	D550	2 tips	4.09	3.95	3.54
578—	8125	D	8200	2 tips	4.09	3.95	3.54

Replacement Housing Sets

For quantities of 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each 1	Price Each 6	Price Each 12
578—	8200RH	For 578-8200 soldering gun	11.66	11.28	10.11

Weller WP25 AND WP35 SOLDERING IRONS AND TIPS

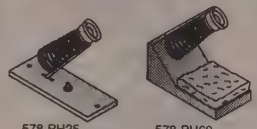
WP25 and WP35 Soldering Irons

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Description	Price Each 1	Price Each 6
578-WP25	WP25	25W iron w/ST-3 tip	35.12	33.94
578-WP35	WP35	35W iron w/ST-3 tip	44.21	42.72

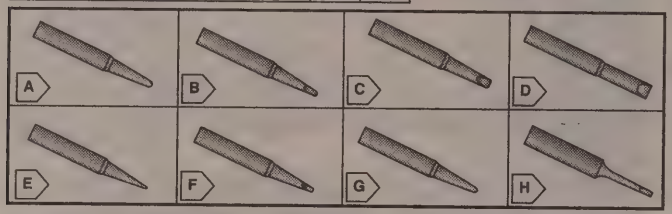
Soldering Tool Stands

578-PH25	PH25	For WP25/WP40 iron	18.15	17.54
578-PH60	PH60	For WP35 iron	21.83	21.09



Replacement Heaters Includes knurled collar only

578-HE25	HE25	25W for WP25 iron	18.74	18.10
578-HE35	HE35	35W for WP35 iron	23.27	22.48
578-KN60	KN60	Knurled tip nut	2.78	2.64

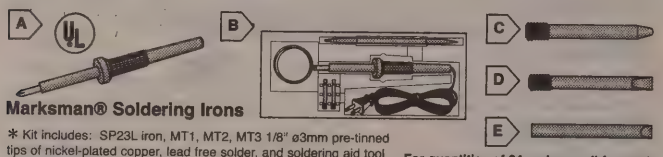


ST Series Tips For WP25P and WP35P Irons

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Description	Size (In.)	Reach (In.)	Price Each 1	Price Each 10	Price Each 20
578-ST-1	ST-1	A	Screwdriver tip	.06	.75	3.84	3.42	3.26
578-ST-2	ST-2	B	Screwdriver tip	.09	.75	3.84	3.42	3.26
578-ST-3	ST-3	C	Screwdriver tip	.12	.75	3.84	3.42	3.26
578-ST-4	ST-4	D	Screwdriver tip	.18	.75	3.84	3.42	3.26
578-ST-5	ST-5	E	Single flat tip	.03	.75	3.84	3.42	3.26
578-ST-6	ST-6	F	Screwdriver tip	.03	.75	3.84	3.42	3.26
578-ST-7	ST-7	G	Conical tip	.03	.75	3.84	3.42	3.26
578-ST-8	ST-8	H	Narrow SD tip	.06	.75	3.84	3.42	3.26

Weller MARKSMAN® SOLDERING IRONS AND TIPS



Marksman® Soldering Irons

* Kit includes: SP23L iron, MT1, MT2, MT3 1/8" ø3mm pre-tinned tips of nickel-plated copper, lead free solder, and soldering aid tool

For quantities of 24 and up, call for quote.

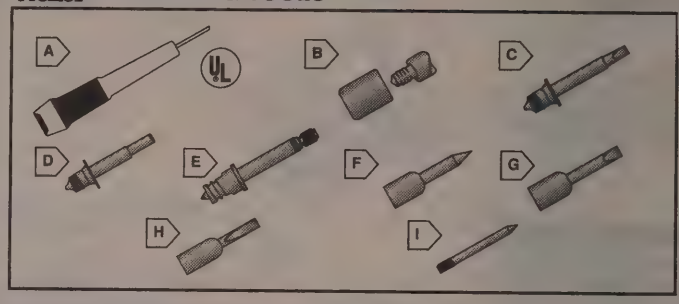
MOUSER STOCK NO.	Weller Part No.	Fig.	Description	Price Each 1	Price Each 6	Price Each 12
578-SP23L	SP23L	A	25W iron w/ .125" pencil tip	13.11	12.67	11.69
578-SP40L	SP40L	A	40W iron w/ .250" chisel tip	17.52	16.93	15.85
578-SP80L	SP80L	A	80W iron w/ .375" chisel tip	27.37	26.00	24.63
*578-SP23LK	SP23LK	B	General duty soldering kit	18.32	17.70	16.35

MT Series Tips For Marksman® Irons

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Description	Price (2 Per Pkg) 1	Price (2 Per Pkg) 6	Price (2 Per Pkg) 12
578-MT-1	MT-1	C	SP23 .125" cone tip	3.83	3.69	3.48
578-MT-2	MT-2	D	SP23 .125" screwdriver tip	3.83	3.69	3.48
578-MT-10	MT-10	E	SP40 .25" chisel tip	6.99	6.75	6.38
578-MTG20	MTG-20	E	SP80 .375" chisel tip (1)	7.70	7.25	6.93

Weller SOLDERING TOOLS



Standard Line Handles

Provides choice of handles and a selection of interchangeable heating elements and tips for combinations to match particular soldering requirements.

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Description	Price Each 1	Price Each 10
578-7760	7760	A	Red; 6', 2-wire cord with cool, soft	13.97	13.49
578-7770	7770	A	Blue; touch acid and flux resistant grips	13.93	13.49

Adapter (Fits 1/4" Thread-On Heating Elements)

For quantities of 20 and up, call for quote.

578-100	100UG	B	Adapts to 1/8" thread-in tiplets and nibs	5.52	5.33

Heating Elements and Tips for Standard Line Handles

• Chisel tip, long taper • Tip Temp.: 100

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Rated (W)	Rated (V)	Description	Price Each 1	Price Each 10
578-4033-S	4033-S	C	45	120	Tellurium copper, iron clad, silver pltd.	26.87	25.97

Interchangeable 1/8" thread-in heating elements for standard line handles

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Rated (W)	Rated (V)	Tip Temp.	Description	Price Each 1	Price Each 10
578-535-S	535-S	D	23	120	700	Heaters for 1/8" thread-in tips	20.69	19.99
578-1235-S	1235-S	D	33	120	800	Heaters for 1/8" thread-in tips	20.69	19.99
578-4035-S	4035-S	D	45	120	900	Heaters for 1/8" thread-in tips	23.27	22.48

Interchangeable 1/4" thread-on heating elements for standard line handles

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Rated (W)	Rated (V)	Tip Temp.	Description	Price Each 1	Price Each 10
578-537-S	537-S	E	23	120	700	Heaters for 1/4" thread-on tips	18.41	17.79
578-1237-S	1237-S	E	33	120	800	Heaters for 1/4" thread-on tips	20.06	19.41
578-4037-S	4037-S	E	45	120	900	Heaters for 1/4" thread-on tips	22.76	21.99

1/4" Thread-On Tips

For use on thread-on heating elements with standard line handles and soldering system UTC-100 (copper alloy, iron clad, silver plated)

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Description	Price Each 1	Price Each 10
578-PL-111	PL-111	F	Pencil; 3/4" long, 1/8" dia.	5.35	5.17
578-PL-113	PL-113	G	Chisel; 3/4" long, 1/8" dia.	4.83	4.67
578-PL-151	PL-151	H	Screwdriver; 3/4" long, 1/8" dia.	5.43	5.25

1/8" Thread-In Tips

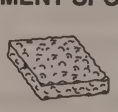
For use with the 1/8" standard line thread-in heating elements and fits 1/4" by using adapter no. 578-100 (Fig. B)

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Description	Price Each 1	Price Each 10
578-PL-331	PL-331	I	Pencil 1" (L) x 1/8" (D)	4.19	4.04

Weller REPLACEMENT SPONGE

For all soldering stations and 578-PH60 stand



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Price Each 1	Price Each 10
578-EC205	EC205	1.67	1.61

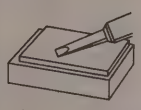
Weller SOLDERING AIDS

Kleen-Tip

Sponge and tray

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Price Each 1	Price Each 10
578-400	400	8.39	8.10



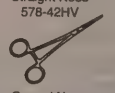
Replacement Sponge

578-455	455	2.82	2.30

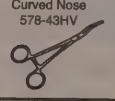
A specially processed sponge for cleaning tips of oxidation and prevents contamination.

Xcelite® SEIZER CLAMPS

Straight Nose 578-42HV



Curved Nose 578-43HV



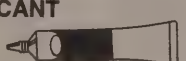
Seizers are 6", have 3-position snap lock, serrated jaws, & box-joint construction. Precision machined from perfectly tempered stainless steel.

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.	Xcelite Part No.	Price Each 1	Price Each 6
578-42HV	42HV	6.60	6.37
578-43HV	43HV	6.60	6.37

SOLDERING LUBRICANT

- Special lubricant for tip threads at high temperatures
- Reduces tip thread seizure



Anti-Seize

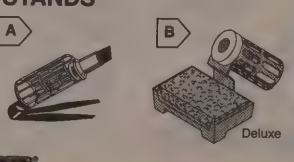
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	GC/Waldom Part No.	Size	Price Each 1	Price Each 10
524-10-1230	10-1230	1oz. tube	4.16	3.98

Weller SOLDERING TOOL STANDS

578-8000 Features:
- Attaches easily to work bench
- Protects operator from burns
- Prevents iron breakage

578-9800 Features:
- Iron holder with stay cool ceramic mouthpiece, cast metal tray



PRODUCT NEW

For quantities of 20 and up, call for quote.

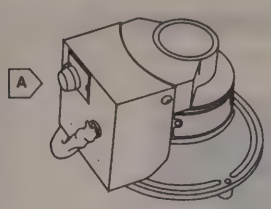
MOUSER STOCK NO.	Weller Part No.	Fig.	Price Each 1	Price Each 10
578-8000	8000	A	16.43	15.87
578-9800	9800	B	25.80	23.18

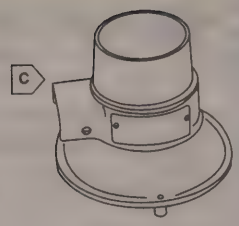
Soldering Pots

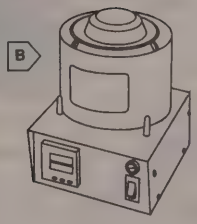
SOLDERING POTS

ESICO-TRITON INTERNATIONAL

roduction proven solder pots for tinning, stripping, dip soldering, and other applications. They re designed and engineered for today's continuous production requirements. The cast iron ubicles are designed for operator convenience, comfort, and high volume production. ETI older pots are available in 120 and 240 volts. Special wattages can be supplied. All solder ots are supplied with a three conductor cordset.







For quantities of 6 and up, call for quote.

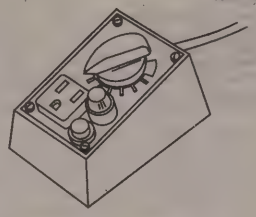
MOUSER STOCK NO.		Fig.	Model	Watts	Max Temp.	Solder Capacity	Price Each	
Mfr.	Mfr. Part No.						1	5
554—	P120020	A	12T	250	650	.75 lb.	172.20	149.50
554—	PD24	B	PD24	250	1100	1.25 lbs	786.24	684.06
554—	P3600	C	36	250	750	.75 lb.	97.65	84.88

TEMPERATURE CONTROL UNIT

ESICO-TRITON INTERNATIONAL

This control provides manual adjustment of soldering iron tip temperature or solder pot temperature, with automatic correction for voltage fluctuations. ESICONTROL provides close control- up to 75% of full wattage of the heating element. It permits operation, without control, at 100% of full wattage. The ESICONTROL will handle any 120 volt AC heater load to 840 watts. Control is fused and has a pilot light to indicate cycling.

Can be used with any standard soldering pot that is not thermostatically controlled.



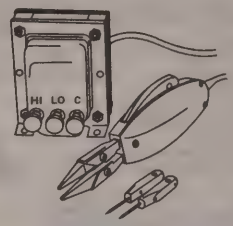
For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	5
554—	S5360	Type EC-6 Temp Control Unit	72.45	63.03

PTH RESISTANCE SOLDERING TOOL

ESICO-TRITON INTERNATIONAL

The PTH stands for "Press To Heat" and means just that. This lightweight hand-held electrical resistance soldering tool uses its pliers' action to supply instant heat, making jobs easier, quicker, and cleaner than the traditional irons. When heating on High, the tool will draw up to 30 amps at no load resistance. The engineered carbon electrodes are standard, but alternative wire electrode tips are available to reach those tight places.



For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	5
554—	R23801	Model JLA Soldering Tool	147.00	139.65

PLATO SOLDER POTS

General Purpose Pots

Plato General Purpose Solder Pots control temperature 11°F (± 6°C) through the use of a thermal timer switch with automatic correction for voltage fluctuations.

Features:
- A three index position control switch with infinitely variable temperature control
- Safety heat shield
- Removable dross tray for easy cleaning
- Three-wire, grounded UL listed cord
- 2.5" (64mm) diameter by 1.5" (38mm) deep crucible
- Adjustable leveling feet
- Capacity: 2.0 lbs. (1 kg)
- Shipping Weight: 11 lbs. (5 kg)

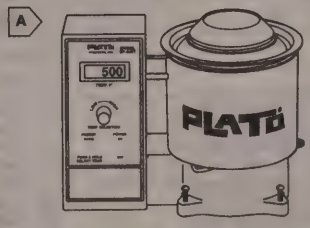
MOUSER STOCK NO.	Plato Part No.	Input	Wattage	Temperature Range	Price Each
577-SP-101	SP-101	120VAC	350	500° to 975°F (525°C)	297.00
577-SP-301	SP-301	120VAC	500	500° to 1100°F (595°C)	307.00

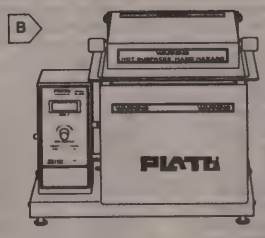
PLATO PRECISION SOLDER POTS

Features:
- A new solid state controller that limits transient voltage spiking to 2mV peak-to- peak, or less, for voltage sensitive components
- A temperature preset switch to select the desired temperature
- An LCD that displays present temperature and operating temperature
- Internal circuitry to compensate for incoming power fluctuations, power line circuit breaker
- All metal construction for ESD protection
- Safety heat shield
- Removable dross tray for easy cleaning
- Three-wire, grounded UL listed cord
- Adjustable leveling feet

SP-500T Additional Features:
- 2.5" (64mm) diameter by 1.5" (38mm) deep crucible
- Capacity: 2.0 lbs. (1 kg)
- Shipping Weight: 12 lbs. (5.4 kg)

SP-500T Additional Features:
- Large capacity crucible, 4" (102mm) by 6" (152mm) by 4" (102mm) deep
- Safety warm-up crucible cover
- An output jack for external temperature recorder or data logger
- Capacity: 32 lbs. (14 kg)
- Shipping Weight: 45 lbs. (20 kg)





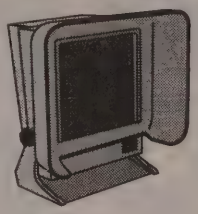
MOUSER STOCK NO.	Plato Part No.	Fig.	Input	Wattage	Temperature Range	Price Each
577-SP500T	SP500T	A	120VAC	350	Ambient to 925°F (496°C)	1018.00
577-SP600T	SP600T	B	120VAC	1,000	Ambient to 750°F (399°C)	2048.00

Fume Absorbers, Desoldering Pumps, Soldering Products, and Dispensers

OK Industries — BENCHTOP FUME ABSORBERS SA-9 SERIES

- Aerodynamic hood design effectively draws irritating soldering fumes away from the work area.
- Carbon-impregnated filters trap a limited portion of the flux fumes.
- Compact size, low profile and adjustable stand allows convenient placement 6" to 8" (152 to 203mm) from work area.

Features:
- SA-9 Series System Includes: Fume Absorber and 3 Filters
- Input Voltage: 115V AC

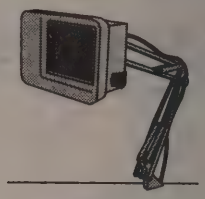


MOUSER STOCK NO.	OK Industries Part No.	Description	Price Each
801-SA-9-115	SA-9-115	Benchtop fume absorber	105.98
801-SA-9-E-115	SA-9-E-115	ESD Safe Benchtop fume absorber	153.63

OK Industries — FUME ABSORBERS WITH ARTICULATING ARM - SA-90 SERIES

- Articulating arm allows optimized positioning and saves bench space.
- Bench mounting clamp and 3 filters come complete with unit.
- ESD-Safe version available with static-dissipative housing.

Features:
- SA-90 Series System includes: Fume Absorber, Articulating arm, Mounting Bracket and 3 Filters.



MOUSER STOCK NO.	OK Industries Part No.	Description	Price Each
801-SA-91	SA-91	Fume Absorber w/Articulating Arm	225.00
801-SA-91-E	SA-91-E	ESD Safe Fume Absorber w/arm	250.00
801-SAF-1	SAF-1	Replacement Filters, 3 pcs.	20.67

OK Industries — HIGH VACUUM DESOLDERING PUMP

A specially engineered desolder pump made to high specifications and providing precise repeatable operation. Fitted with a Teflon Tip.

Features:
- Precision metal plunger
- Corrosion treated springs
- Insulated Vacuum pulse
- Regulated return (1 millisecond ±30%)
- Durable Corrosion Resistant
- Plastic construction
- Cushioned Shock Reduction
- Uniform reset pressure (11in. Lbs ±20%)

MOUSER STOCK NO.	OK Industries Part No.	Description	Price Each
801-DP-100	DP-100	High Vacuum Desoldering Pump	20.80
801-DP-200	DP-200	ESD Safe, High Vac Desold Pump	25.71
801-DPT-100	DPT-100	Replacement Tip for DP-100/140	3.52
801-DPT-200	DPT-200	Replacement Tip for DP-200	5.43

OK Industries — DESOLDERING PUMP

Features:
- Precision regulated return
- Replaceable Tip
- Precision metal plunger
- Sealed Vacuum chamber
- Compact, anti-corrosive plastic housing
- Easy cleaning

MOUSER STOCK NO.	OK Industries Part No.	Description	Price Each
801-DP-140	DP-140	Desoldering Pump	12.76
801-DPT-100	DPT-100	Replacement Tip for DP-100/140	3.52

PLATO TIP CARE

Tip Tin

Plato's LEAD FREE Tip Tinner TT-95 is a fast, efficient, and safe means of re-tinning tips. This thermally-stable compound is residue free and ESD and environmentally safe. A well tinned soldering tip improves operator performance and satisfaction. Plato's Tip-Tin provides improved cleaning and re-tinning of highly oxidized soldering iron tips safely and efficiently.

- Lead Free
- ESD Safe
- Easy to Use
- Fast Response
- Environmentally Safe
- Residue Free

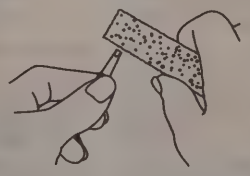
Tip Polishing Bar

The inexpensive Plato® Polishing Bar restores detinned tips for additional service. Normally, detinned tips (those unable to hold solder) are discarded. If the tips are not pitted or worn, buffing with the Plato® Polishing Bar will clean the tips and restore new life.

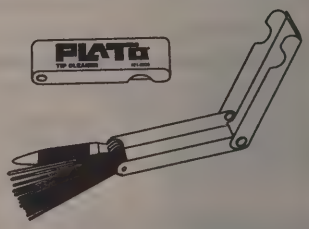
Desoldering Tip Cleaning Tool

This handy maintenance tool is used to remove unwanted solder and flux "build-up" from desoldering tip ID'S and from solder collector paths. Just select the proper diameter rod from the Plato® tool and push out any unwanted loose particles or solder from the desolder tip or collector path. Proper daily maintenance of all desoldering equipment minimizes premature tip clogging and will ensure improved performance.

TT95



AB-3



01-5000

MOUSER STOCK NO.	Plato Part No.	Description	Price Each
577-TT95	TT95	Lead-Free Tip Tinner/Cleaner	5.08
577-AB-3	AB-3	Tip Polishing Bar	12.24
577-01-5000	01-5000	Desoldering Tip Cleaning Tool	6.76

PLATO LIQUID DISPENSERS AND SLEEVES

PLATO®-STAT Permanently Static Dissipative Solvent Dispensers and Sleeves

- Protects voltage sensitive devices from static discharge
- Meets the requirements of DOD-STD-1686 for containers
- Physical characteristics comply with MIL-B-81705, Type 2
- Made of permanently static dissipative plastic material.

Dispenser

Bottle and nozzle

Bottle and spout

Scrub brush bottle

MOUSER STOCK NO.	Plato Part No.	Description	Price Each
577-SF-4	SF-4	Solvent Dispenser Sleeve, 4oz	3.48
577-SF-6	SF-6	Solvent Dispenser Sleeve, 6oz	3.48
577-SF-8	SF-8	Solvent Dispenser Sleeve, 8oz	3.48
577-SF-01	SF-01	Dispenser, 2oz. (59ml) with .010 capillary	6.63
577-SF-02	SF-02	Dispenser, 2oz. (59ml) with .020 capillary	6.63
577-SF-401	SF-401	Bottle and spout, 4oz	6.76
577-SF-801	SF-801	Bottle and spout, 8oz	6.88
577-SF-1601	SF-1601	Bottle and spout, 16oz	9.68
577-SF-250	SF-250	Bottle and nozzle, 8oz	10.32
577-SF-B2HS	SF-B2HS	Scrub brush for spot cleaning, 2oz (horse hair)	13.08
577-SF-B2HH	SF-B2HH	Scrub brush for spot cleaning, 2oz (hog bristle)	13.08

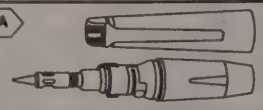
Soldering Tools and Accessories

WAHL ISOTIP SOLDER-PRO SERIES BUTANE POWERED SOLDERING IRONS

• Complete portability • Convenient refills • Multi-tool versatility

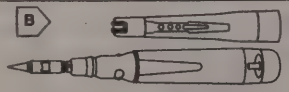
Solder-Pro 50

Features:
- Cap with igniter
- Up to 30 minute run time
- Soldering temperatures: 410°F-750°F



Solder-Pro 70

Features:
- Cap with igniter
- Up to 120 minute run time
- Soldering temperatures: 410°F-850°F



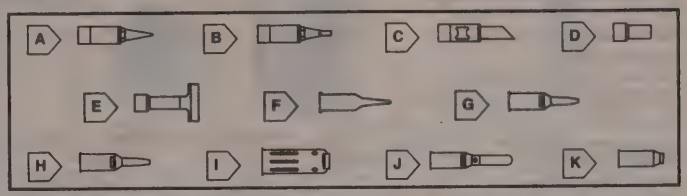
Solder-Pro 120

Features:
- Automatic ignition
- Up to 200 minute run time
- Soldering temperatures: 410°F-1000°F
- Torch temperature: 2400°F

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
557-7971	A	Solder-Pro 50 No. 7971	25.50
557-7974	B	Solder-Pro 70 No. 7974	38.25
557-7977	C	Solder-Pro 120 No. 7977	59.95

WAHL ISOTIP TIPS FOR SOLDER-PRO SERIES



Tips for Solder-Pro 50 and 70 Series — For quantities of 10 and up, call for quote.

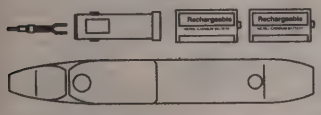
MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
557-7992	A	1mm conical tip	9.95	9.52
557-7992-001	B	2mm chisel tip	9.95	9.52
557-7992-002	C	Hot knife tip	9.95	9.52
557-7992-003	D	Torch tip	9.95	9.52
557-7992-004	E	Heat blower & deflector	9.95	9.52

Tips for Solder-Pro 120 Series — For quantities of 10 and up, call for quote.

557-7992-005	F	1.6mm conical tip	9.95	9.52
557-7992-006	G	2.4mm conical tip	9.95	9.52
557-7992-007	H	3.2mm chisel tip	9.95	9.52
557-7992-008	I	Torch tip	9.95	9.52
557-7992-009	J	Hot knife tip	9.95	9.52
557-7992-101	K	Heat blower	9.95	9.52

WAHL ISOTIP 7670 EZ CHANGE CORDLESS SOLDERING IRON

The versatile EZ Change cordless soldering iron gives you extended soldering times (with a spare set of batteries); up to 125 electronics joints per charge. Includes industrial quality EZ charge iron, #7545 fine tip, (2) 400mAh (size C) rechargeable nickel cadmium batteries, tip protector, and instructions. (Optional battery charger sold separately.)

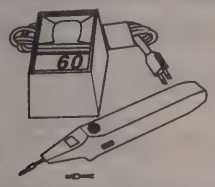


For quantities of 5 and up, call for quote.

557-7670 $29.95

WAHL ISOTIP 7800 ISO TIP "60" CORDLESS SOLDERING IRON

Fastest charging cordless soldering iron on the market. Solders up to 125 electronic joints per charge. Recharges fully in 1 hour. Cordless soldering iron, recharging stand with wall plug transformer, #7577 tip, #7545 tip, and instructions.



For quantities of 5 and up, call for quote.

557-7800 $68.25

WAHL ISOTIP 7700 CORDLESS SOLDERING IRON

Recharges completely in 3 to 4 1/2 hours. A partially discharged battery returns to full capacity in 1 to 2 hours. NiCd battery withstands high-rate charging without damage. Fully charged unit can make up to 125 electronic joints per charge. Recharging stand with wall plug transformer, #7545 tip, #7546 tip, & instructions.

For quantities of 5 and up, call for quote.

557-7700 $49.95

7904 "POWER PRO" CORDLESS SOLDERING IRONS

High capacity cordless soldering iron using high efficiency tips, provides up to 30 minutes of continuous soldering time from a fully charged iron or intermittently over 200 solder joints.

- Complete recharge in 4 hours
- LED in recharge stand to indicate charging status
- Tip performance up to 900°F
- Easily replaceable battery and worklight

For quantities of 5 and up, call for quote.

557-7904 $69.95

WAHL ISOTIP SOLDER-IT SILVER BEARING SOLDER PASTE

- Works with a match, lighter, soldering iron or torch
- 5 times stronger than conventional solder
- Superior electrical conductivity
- Solders all metals

For quantities 24 and up, call for quote.

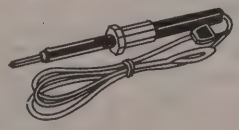
MOUSER STOCK NO.	Mfr.	Mfr. Part Number	Price Each 1	Price Each 12
557—7459			4.95	4.22

epd PENCIL TYPE SOLDERING IRON

eagle plastic devices

For continuous use by industry and hobbyist. Balanced handle

- 120VAC
- 5/32" dia. tip
- 5 1/2 foot cord
- Replaceable tip
- Light weight



For quantities of 5 and up, call for quote.

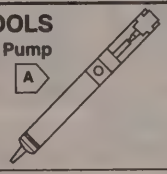
MOUSER STOCK NO.	Description	Price Each
381-7394	35W solder iron	5.49
381-7396	Replacement tip	.89

epd DESOLDERING TOOLS

eagle plastic devices

Anti-Static Desoldering Pump

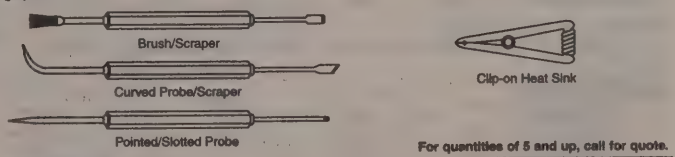
- Rugged all-aluminum body
- Anti-static tip
- Disassembles easily for cleaning
- Dimensions: 7 5/8" (L) x 3/4" (Dia.)
- Replacement tip 384-1001



MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
384-1000	A	Anti-static desoldering pump	5.99	5.39
384-1001	A	Replacement anti-static tip	1.72	1.55
384-1002	B	Desoldering bulb without tip	2.50	2.25
384-1004	B	Replacement Teflon tip for bulb	1.38	1.22

epd SOLDERING AID SET

eagle plastic devices



For quantities of 5 and up, call for quote.

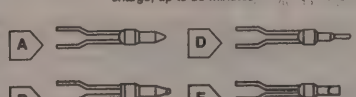
MOUSER STOCK NO.	Description	Price Each
384-1018	4-pc. soldering aid set includes: clip-on heat sink brush/scraper, pointed/slotted probe, and curved probe/scraper	3.99

WAHL ISOTIP HI-EFFICIENCY SOLDERING TIPS

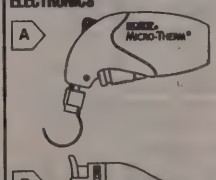
- All ISO-TIP replacement tips fit all ISO-TIP cordless irons
- Isolated tip, ground free, low voltage design eliminates electrical leaks and damage
- Intermittently 200 plus joints per charge
- Unique snap-in design
- Requires less power to heat tip
- Heats tip faster, approximately 5 seconds
- Longer soldering time per full battery charge, up to 30 minutes

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
557-7535-100	A	Regular tip	5.85
557-7545-100	B	Fine tip	5.85
557-7546-100	C	Heavy duty tip	5.85
557-7566-100	D	Micro tip	5.85
557-7577-100	E	Chisel tip	5.85
557-7579-100	F	Beveled tip	5.85



WAHL ISOTIP PORTABLE HEAT GUN AND MINI TORCH



MicroTherm Heat Gun
- Portable and flameless heat
- Electronic ignition
- Temperatures up to 1200°F (650°C)
- For heat shrink tubing, activating adhesives and potting compounds.

EZ-Torch Portable Mini Torch
- Electronic ignition
- Runs approximately 20 minutes of continuous flame per cartridge
- Maximum temperature range: 1300°F–2375°F

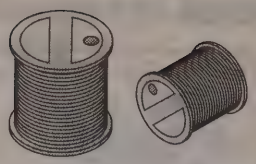
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
557-7975	A	Micro Therm Heat Gun	27.95	26.55
557-7978	B	EZ-Torch Mini Torch	19.95	18.95
557-7978-300	-	Reusable butane refill - 2 pk.	2.95	2.80

KESTER Solder Products

WIRE SOLDER

Product Use: Soldering flux in cored solder for electrical or electronic applications.



"44" Rosin, Activated Rosin Core Solder

"44" Rosin is a general purpose industrial and electrical wire solder. The flux residue is non-conductive and non-corrosive. Flux by weight: 3.3%

For quantities 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Alloy	Dia. (In.)	Weight (lbs.)	Price Each 1	10	25
533—	23-6337-07	63/37	0.015	1/2	14.44	13.00	11.55
533—	24-6337-07	63/37	0.015	1	26.67	24.00	22.67
533—	24-6337-0010	63/37	0.02	1	20.79	18.71	17.67
533—	23-6337-18	63/37	0.025	1/2	8.50	7.65	6.80
533—	24-6337-18	63/37	0.025	1	15.54	13.99	13.21
533—	23-6337-27	63/37	0.031	1/2	7.80	7.02	6.24
533—	24-6337-27	63/37	0.031	1	14.07	12.66	11.96
533—	24-6337-39	63/37	0.04	1	13.02	11.72	11.07
533—	24-6337-53	63/37	0.05	1	12.18	10.96	10.35
533—	24-6337-61	63/37	0.062	1	11.76	10.58	10.00
533—	24-6040-0010	60/40	0.02	1	20.58	18.52	17.49
533—	23-6040-18	60/40	0.025	1/2	7.40	6.66	5.92
533—	24-6040-18	60/40	0.025	1	15.33	13.80	13.03
533—	23-6040-27	60/40	0.031	1/2	7.10	6.39	5.68
533—	24-6040-27	60/40	0.031	1	18.06	16.25	14.63
533—	24-6040-39	60/40	0.04	1	12.81	11.53	10.89
533—	24-6040-53	60/40	0.05	1	11.97	10.77	10.17
533—	24-6040-61	60/40	0.062	1	16.54	14.89	13.40
533—	24-6040-66	60/40	0.093	1	11.24	10.11	9.55
533—	24-7150-18	62/36/2	0.025	1	44.19	41.43	38.67
533—	24-7150-53	62/36/2	0.05	1	26.31	23.68	22.37
533—	25-6040-0027	60/40	0.031	4	49.68	39.33	35.19
533—	26-6040-0061	60/40	0.062	5	53.57	42.41	37.52

"285" Rosin, Mildly Activated Rosin Core Solder

Conforms to type RMA of FED SPEC QQ-SS-571 and is on the qualified products list. High mobility and fast spreading action is comparable to RA fluxes. It is less corrosive and conductive than "44" rosin and is commonly used without subsequent flux removal.

For quantities 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Alloy	Core Size	Flux by Weight	Dia. (In.)	Weight (lbs.)	Price Each 1	10	25
533—	24-6337-9703	63/37	66	3.30%	0.015	1	26.67	24.00	22.67
533—	24-6337-9700	63/37	58	2.20%	0.02	1	36.16	32.54	28.93
533—	24-6337-9702	63/37	66	3.30%	0.02	1	20.79	18.71	17.67
533—	24-6337-9718	63/37	66	3.30%	0.025	1	15.54	13.99	13.21
533—	24-6337-9713	63/37	58	2.20%	0.031	1	14.07	12.66	11.96
533—	24-6337-9710	63/37	66	3.30%	0.031	1	14.07	12.66	11.96

"331" Water Soluble Core Solder

It is more effective and heat stable than rosin fluxes in soldering difficult metals. Soldering with "331" should always be followed with a water wash to remove the residues which are conductive and can absorb moisture. Flux by weight: 3.3%

For quantities 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Alloy	Dia. (In.)	Weight (lbs.)	Price Each 1	10	25
533—	24-6337-6422	63/37	0.015	1	26.67	24.00	22.67
533—	24-6337-6401	63/37	0.02	1	20.79	18.71	17.67
533—	24-6337-6417	63/37	0.025	1	15.54	13.99	13.21
533—	24-6337-6403	63/37	0.031	1	14.07	12.66	11.96
533—	24-6337-6411	63/37	0.062	1	11.76	10.58	10.00
533—	24-6040-6403	60/40	0.031	1	12.08	10.87	10.26
533—	24-6040-6411	60/40	0.062	1	11.66	10.49	9.91

"245" No-Clean Core Solder

A mild, low residue core solder for electronic assembly. The residues from "245" are designed to be left on with no post soldering cleaning.

For quantities 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Alloy	Core Size	Flux by Weight	Dia. (In.)	Weight (lbs.)	Price Each 1	10	25
533—	23-6337-8806	63/37	50	1.10%	0.015	1/2	14.46	13.01	11.57
533—	24-6337-8806	63/37	50	1.10%	0.015	1	26.67	24.00	22.67
533—	23-6337-8807	63/37	50	1.10%	0.02	1/2	13.10	11.79	10.48
533—	24-6337-8807	63/37	50	1.10%	0.02	1	20.79	18.71	17.67
533—	24-6337-8834	63/37	58	2.20%	0.02	1	20.79	18.71	17.67
533—	24-6337-8809	63/37	50	1.10%	0.025	1	15.54	13.99	13.21
533—	24-6337-8800	63/37	50	1.10%	0.031	1	14.07	12.66	11.96
533—	24-6337-8801	63/37	58	2.20%	0.031	1	14.07	12.66	11.96
533—	24-6337-8802	63/37	66	3.30%	0.031	1	14.07	12.66	11.96
533—	24-6040-8800	60/40	50	1.10%	0.031	1	42.52	40.39	38.37
533—	24-7150-8800	62/36/2	50	1.10%	0.031	1	36.60	32.94	29.65
533—	24-6337-8813	63/37	50	1.10%	0.04	1	13.02	11.72	11.07
533—	24-6337-8814	63/37	50	1.10%	0.05	1	12.18	10.96	10.35
533—	24-6337-8817	63/37	50	1.10%	0.062	1	19.84	18.85	17.86

LIQUID FLUX

Developed to reduce bottom side micro-solder balling and survive SMT dual wave soldering systems. May be applied by spray or wave. Size: 1 gallon

For quantities 48 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each 1	6	12	24	36
533—	63-0000-0977	977 VOC-Free No-Clean	36.34	30.89	29.07	27.26	23.54

LEAD-FREE SOLDER

For quantities 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Alloy	Dia. (In.)	Weight (lbs.)	Price Each 1	10	25
No Clean							
533—	24-7068-7600	Sn96.5/3.0Ag/0.5Cu	0.031	1	29.10	26.19	23.28
533—	24-7068-7602	Sn96.5/3.0Ag/0.5Cu	0.02	1	30.70	27.63	24.56
Water Soluble							
533—	24-7068-6401	Sn96.5/3.0Ag/0.5Cu	0.02	1	30.70	27.63	24.56
533—	24-7068-6403	Sn96.5/3.0Ag/0.5Cu	0.031	1	29.10	26.19	23.28
Aquabond							
533—	13-0000-8053	Sn97/2Cu/0.8Sb/.02Ag	0.093	1/2	13.27	11.94	10.75
533—	13-7031-0125	Sn97/2Cu/0.8Sb/.02Ag	0.125	1/2	11.11	10.10	9.09
533—	13-7080-1001	Sn97/2Cu/0.8Sb/.02Ag	0.093	1/2	11.64	10.58	9.52
533—	14-0000-8053	Sn97/2Cu/0.8Sb/.02Ag	0.093	1	20.39	18.35	16.52
533—	14-7031-0125	Sn97/2Cu/0.8Sb/.02Ag	0.125	1	20.28	18.25	16.43
533—	14-7080-1001	Sn97/2Cu/0.8Sb/.02Ag	0.093	1	23.00	20.00	17.50
Aquabond Acid Core							
533—	23-0000-8025	Sn97/2Cu/0.8Sb/.02Ag	0.093	1/2	11.11	10.10	9.09
533—	24-0000-8025	Sn97/2Cu/0.8Sb/.02Ag	0.093	1	20.39	18.35	16.52

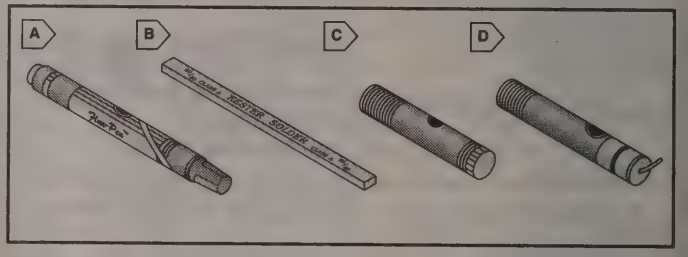
FLUXES, SOLDER, AND KITS

Paste Flux

SP 30 Paste Flux: A standard all purpose flux for general metal repair soldering. Used when liquid fluxes may be hazardous or inconvenient. High activity, stability, and heat resistance provides for rapid soldering. Not for use in electrical/electronic applications.
SP 44 Paste Flux: A highly active, non-corrosive flux with excellent wetting action designed specifically for electrical/electronic applications. It permits soldering of even difficult metals such as brass or nickel. Non-corrosive and electrically non-conductive.

For quantities 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Price Each 1	10	25
533—	83-0000-0001	SP-30, 2 oz.	2.23	2.46	2.21
533—	83-0000-0144	SP-44, 2 oz.	2.73	2.46	2.21



Flux-Pen ®

For rework and touch-up soldering. The chisel point allows work in confined spaces. Spring valve prevents the flux inside of the pen from "drying out".

For quantities 10 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	5
533—	0186	A	#186 RMA flux	4.14	3.13
533—	0951	A	#951 No clean	4.14	3.13
533—	2331	A	2331-ZX Water soluble flux	4.14	3.13

Bar Solder

For quantities 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	10	25
533—	04-6040-0000	B	SN60PB40 E-Bar, 1 lb.	11.68	10.51	9.46
533—	04-6337-0000	B	SN63PB37 E-Bar, 1 lb.	11.99	10.79	9.71
533—	04-6337-0050	B	SN63PB37 Ultrapure, 1 2/3 lbs.	20.20	18.18	16.36

Kwik-Draw ®

Packaged conveniently for home or shop.

For quantities 50 and up, call for quote.

533—83-3000-0000	C	44 rosin, alloy: 60Sn/40Pb, ø.050"	2.20	1.98	1.78

Computer / Electronic Solder

For quantities 50 and up, call for quote.

533—83-0000-5055	- -	Computer solder, Sn60Pb40	2.52	2.27	2.02

Pocket Pak ®

For service and repair in home or shop.

For quantities 50 and up, call for quote.

533—83-4000-0000	D	44 rosin, alloy: 60Sn/40Pb, ø.031"	2.85	2.57	2.28
533—82-5000-0046	D	245 NCF, alloy: 63Sn/37Pb, ø.020"	1.30	1.17	1.11

Ultrapure ® Tip Tinner

Replenishes original iron tip coating while removing excess oxide.

For quantities 50 and up, call for quote.

533—83-4000-4010	- -	Lead free	4.50	3.83	3.60

Tool Kit Packs

For quantities 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Description	Alloy (Sn/Pb)	Dia. (In.)	Price Each 1	10	25
533—	04151	Electronic silver solder, .35 oz.	62/36/2 AG	.022	1.65	1.49	1.34

TECHSPRAY Solder Products, Cleaners, & Defluxers

G3 CLEANERS, DEFLUXERS, AND CONTACT CLEANERS

G3 is by far the best HCFC-141b replacement on the market. No other non-flammable precision cleaner can match G3's price/performance. G3 has 32% better cleaning ability than HCFC-141b, making G3 products the ideal choices for electronic cleaning.

- Non-ozone depleting
- Non-flammable
- Safe on most plastics
- Rapidly evaporating
- Patented formula
- Ideal for Lead-Free processes

Blue Shower® G3™ Cleaner /Degreaser

This innovative, non-flammable blend is designed for precision cleaning of polar and non-polar soils including hand and solder oils, greases, silicones, fluxes, and other similar contaminants. Blue Shower® G3™ is effective in cleaning electronic equipment, machinery, metal parts, and other general cleaning applications.

NEW FROM SUPPLIER

For quantities 24 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part Number	Size	Price Each 1	Price Each 12
577—1630-16S		16 oz. Aerosol	16.96	16.11
577—1630-10S		10 oz. Aerosol	13.40	12.81

Contact Cleaner G3™

This non-flammable, precision blend is the optimal choice for removing oils, greases, silicones, dirt, and grime from all types of switches, relays, contact pads, and other electrical connections.

NEW FROM SUPPLIER

For quantities 24 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part Number	Size	Price Each 1	Price Each 12
577—1632-16S		16 oz. Aerosol	16.97	16.12
577—1632-10S		10 oz. Aerosol	13.48	13.48

Flux Remover G3™

Non-flammable defluxer designed specifically for removing R, RA, RMA, and SA type flux residues after high temperature reflow. This flux remover can also be used as an all-purpose cleaner to remove light oils, silicones, waxes, greases, and other similar contaminants often found in electronics manufacturing.

NEW FROM SUPPLIER

LEAD-FREE

For quantities 24 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part Number	Size	Price Each 1	Price Each 12
577—1631-16S		16 oz. aerosol	16.24	15.43
577—1631-5S		5 oz. w/ brush attach.	11.31	10.74
577—1631-10S		10 oz. Aerosol	12.83	12.19

No Clean Flux Remover G3™

Designed specifically for removing R, RA, RMA, and SA type flux residues after high temperature reflow. Can be used as an all-purpose cleaner to remove light oils, silicones, waxes, greases, and similar contaminants often found in electronics manufacturing.

LEAD-FREE

For quantities 24 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part Number	Size	Price Each 1	Price Each 12
577—1634-12S		12 oz. aerosol	15.30	14.54

ECO-LINE™ CLEANERS AND DEFLUXERS

Unique blend of hydrocarbons offers new, viable alternatives to CFC cleaning w/out depleting the ozone. Excellent cleaning ability, rapid evaporation, **safe on plastic, ideal for lead-free applications**, and is low cost.

New Improved!

Contact Cleaner

Contains a hexane mixture. Ideal for switches, relays, contact pads, and other places of electrical connections.

- Ozone depleting factor: 0
- Rapid evaporation

For quantities 24 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part Number	Fig.	Size	Price Each 1	Price Each 12
577—1622-10S		A	10 oz. aerosol	9.69	9.21
577—1622-13S		A	13 oz aerosol	11.05	10.50

Flux Remover

Dissolves type R, RMA, RA, SA, and most no-clean fluxes.

- Ozone depleting factor: 0
- Safe on most plastics
- Rapid evaporation

* With Brush

LEAD-FREE

577—1621-4S	B	*4 oz. aerosol	7.85	7.44
577—1621-10S	A	10 oz. aerosol	10.33	9.81

Ecoline Blue Shower Cleaner / Degreaser

A blend of isopropanol and ethanol. Designed for cleaning electronic and electrical equipment, machinery, and metal parts.

- Ozone depleting factor: 0
- Rapid evaporation
- Safe on most plastics

New Improved!

577—1620-10S	A	10 oz. aerosol	10.04	9.54

Tape Head Cleaner

Formulated to remove harmful contaminants from magnetic and optic read/write heads.

- Ozone depleting factor: 0
- Rapid evaporation
- Safe on most plastics

577—1624-10S	A	10 oz. aerosol	10.08	9.58

ENVI-RO-TECH™ CLEANERS AND DEFLUXERS

Non-flammable, with excellent cleaning ability, rapid evaporation, & moderate cost. EPA regulations restrict the sale of these cleaners containing HCFC's to commercial users who can provide proof of their commercial status. Contains HCFC-141b. Fast acting and highly effective cleaner containing a blend of HCFCs. Safe for cleaning most electronic equipment. Used to remove oils, grease, dirt, silicone, fluxes, and similar soils.

Contact Cleaner

For quantities 24 and up, call for quote.

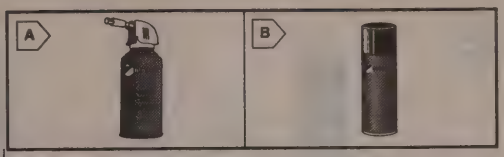
MOUSER STOCK NO.	Mfr. Part Number	Fig.	Size	Price Each 1	Price Each 12
577—1674-22S		A	22 oz. aerosol	24.05	22.85

Heavy-Duty Cleaner

Penetrates and dissolves non-polar soils.

- Non-flammable
- Ozone depleting factor: .11
- Rapid evaporation

577—1675-12S	A	12 oz. aerosol	18.29	17.38



AK225 CLEANERS AND DEFLUXERS

AK225 solvents are premium cleaners, combining powerful solvency with superior plastics, elastomers, and metals compatibility. EPA regulations restrict the sale of HCFC's to commercial users who can provide proof of their commercial status.

No-Clean Flux Remover

Non-flammable, rapidly evaporating AK 225 blend designed for the removal of No-clean flux and white residue. Aggressively removes grease, oil, and soils from contacts, PCBs, connectors, and relays.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part Number	Fig.	Size	Price Each 1	Price Each 12
577—1660-6S		A	6 oz. aerosol, w/ brush attach.	12.52	11.89
577—1660-12S		A	12 oz. aerosol	17.71	16.82

Asahiklin 225, Cleaner/Degreaser

- 100% HCFC-225
- Non-flammable
- Safe on most plastics
- Rapid evaporation

For quantities of 24 and up, call for quote.

577—1663-8S	B	8 oz aerosol	14.76	14.21
577—1663-18S	B	18 oz. aerosol	28.49	27.07

Flux Remover AMS

Mixture of AK225 and methanol. Superior flux removal for type R, RMA, RA, and synthetic fluxes.

- Non-flammable
- Ozone depleting factor: .03
- Rapid evaporation
- Safe on most plastics

For quantities of 24 and up, call for quote.

577—1665-8S	B	8 oz. aerosol	14.50	13.70
577—1665-18S	B	8 oz. aerosol	26.84	25.50

Blue Shower II, Degreaser/Defluxer

The standard for precision cleaning of polar and non-polar soils.

- Non-flammable
- Ozone depleting factor: .03
- Rapid evaporation
- Safe on most plastics

For quantities of 24 and up, call for quote.

577—1667-8S	B	8 oz. aerosol	13.91	13.21
577—1667-18S	B	18 oz. aerosol	26.32	25.00

Contact Cleaner II

The choice solvent for precision cleaning and degreasing of electrical contacts.

- Non-flammable
- Ozone depleting factor: .03
- Rapid evaporation

For quantities of 24 and up, call for quote.

577—1668-8S	B	8 oz. aerosol	14.57	13.84
577—1668-18S	B	18 oz. aerosol	24.10	25.75

DESOLDERING FINE BRAID

- 100% pure copper w/ advanced braid design
- Vacuum sealed to prevent oxidation
- 25F, 50F, 100F sizes available w/ 25', 50', 100', and 500' length spools available for most sizes -- call for quote

No-Clean Features:

- Prevents ionic residue
- Recommended for lead-free processes
- Cleanest no-clean wick in the industry
- Meets MIL Spec MIL-F-14256F

LEAD-FREE

Pro-Wick Features:

- Fast wicking action
- Meets MIL Spec MIL-F-14256F, NASA NHB5300.4, NPC200-4, SP5002

No Clean Wick

- 5 Foot Spools

MOUSER STOCK NO.	Mfr. Part Number	Color Code	Width (In.)	Price Each 1	Price Each 10
577—1814-5F		White	0.035	2.64	2.51
577—1815-5F		Yellow	0.055	2.64	2.51
577—1816-5F		Green	0.075	2.70	2.57
577—1817-5F		Blue	0.098	2.88	2.74
577—1818-5F		Brown	0.13	3.52	3.34
577—1819-5F		Red	0.193	3.77	3.58

- 10 Foot Spools

MOUSER STOCK NO.	Mfr. Part Number	Price Each 1	Price Each 10
577—1814-10F		4.72	4.48
577—1815-10F		4.72	4.48
577—1816-10F		4.86	4.62
577—1817-10F		5.32	5.05
577—1818-10F		6.36	6.04

No Clean Wick w/ Static Dissipative Bobbin

- 5 Foot Spools

MOUSER STOCK NO.	Mfr. Part Number	Color Code	Width (In.)	Price Each 1	Price Each 10
577—1820-5F		White	0.035	2.75	2.61
577—1821-5F		Yellow	0.055	2.71	2.57
577—1822-5F		Green	0.075	2.85	2.71
577—1823-5F		Blue	0.098	3.15	2.99
577—1824-5F		Brown	0.13	3.52	3.34
577—1825-5F		Red	0.193	3.95	3.75

- 10 Foot Spools

MOUSER STOCK NO.	Mfr. Part Number	Price Each 1	Price Each 10
577—1820-10F		4.94	4.69
577—1821-10F		4.94	4.69
577—1822-10F		5.05	4.80
577—1823-10F		5.45	5.18
577—1824-10F		6.34	6.02

Pro-Wick

- 5 Foot Spools

MOUSER STOCK NO.	Mfr. Part Number	Color Code	Width (In.)	Price Each 1	Price Each 10
577—1801-5F		White	0.035	2.18	2.07
577—1802-5F		Yellow	0.055	2.12	2.01
577—1803-5F		Green	0.075	2.17	2.06
577—1804-5F		Blue	0.098	2.33	2.21
577—1805-5F		Brown	0.13	2.86	2.72
577—1806-5F		Red	0.193	3.06	2.91

- 10 Foot Spools

MOUSER STOCK NO.	Mfr. Part Number	Price Each 1	Price Each 10
577—1801-10F		3.84	3.65
577—1802-10F		3.84	3.65
577—1803-10F		3.95	3.75
577—1804-10F		4.35	4.13
577—1805-10F		5.21	4.95

Pro-Wick w/ Static Dissipative Bobbin

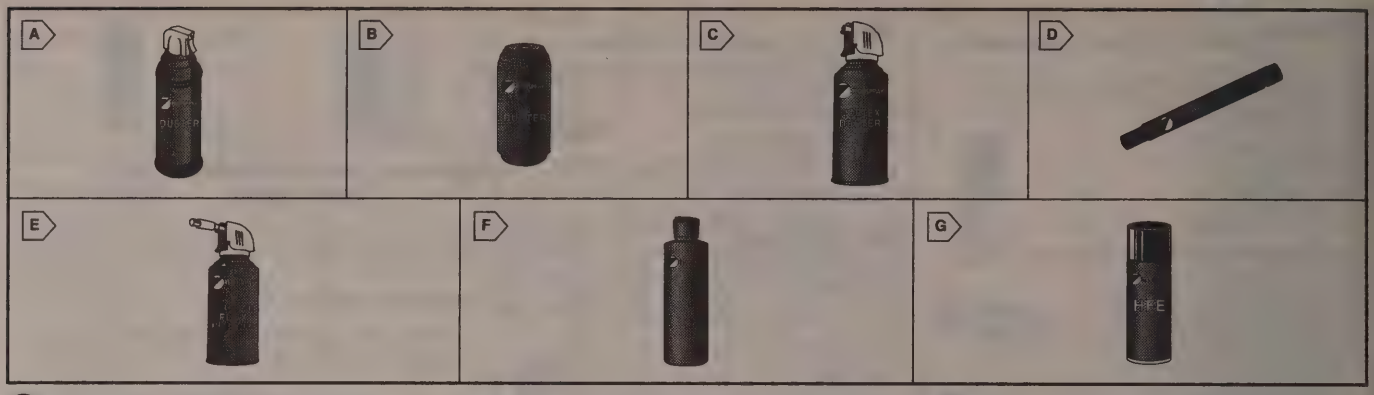
- 5 Foot Spools

MOUSER STOCK NO.	Mfr. Part Number	Color Code	Width (In.)	Price Each 1	Price Each 10
577—1808-5F		White	0.035	2.22	2.11
577—1809-5F		Yellow	0.055	2.22	2.11
577—1810-5F		Green	0.075	2.32	2.20
577—1811-5F		Blue	0.098	2.55	2.42
577—1812-5F		Brown	0.13	2.86	2.72
577—1813-5F		Red	0.193	3.21	3.05

- 10 Foot Spools

MOUSER STOCK NO.	Mfr. Part Number	Price Each 1	Price Each 10
577—1808-10F		4.01	3.81
577—1809-10F		4.03	3.83
577—1810-10F		4.09	3.89
577—1811-10F		4.48	4.26
577—1812-10F		5.21	4.95

TECHSPRAY Dusters, Freezers, and Cleaners



TECHSPRAY DUSTER

100% HFCs, no CFCs, no HCFCs. Formulated with HFC-134a, this exceptionally pure, moisture free, inert gas removes particles without the use of harmful solvents. Because HFCs do not harm the ozone, this product has a zero ozone depletion factor. This product removes microscopic contaminates, lint, dust, metallic oxide deposits, and other soils.

NEW FROM SUPPLIER

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—1671-10S	A	10 oz. aerosol	8.48	8.06
577—1671-10SK	B	10 oz. aerosol and spray attachment	18.88	17.94
577—1671-10RS	B	10 oz. aerosol refill for 577-1671-10SK	8.95	8.50
577—1671-15S	A	15 oz. aerosol	11.72	11.13
577—1671-8S	A	8 oz. aerosol	7.48	7.11

HIGH VELOCITY VORTEX DUSTER

Vortex duster provides a high-powered blast to remove contaminants, lint, and dust. Formulated with HFC-134a, this exceptionally pure, moisture free, inert gas removes particles without the use of harmful solvents.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—1697-8S	C	8 oz. aerosol, invertible	10.70	10.10
577—1697-10S	A	10 oz. aerosol	12.30	11.69

CIRCUIT BOARD REPAIR PENS - TRACE TECHNOLOGIES

Flux Remover Pen

Provides a convenient method for touch-up cleaning of flux residues

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—2506-N	D	11.5ml pen	6.72	6.38

Conductive Pen

Repair traces and link components with fast drying silver ink.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—2505-N	D	4.89ml pen	14.43	13.71

Overcoat Pen

Designed to insulate PCB traces and components against high voltage arcing and repair solder resist.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—2508-N	D	5ml pen, clear	11.20	10.64
577—2509-GN	D	5ml pen, green	10.89	10.35

No-clean Flux Dispensing Pen

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—2507-N	D	11.5ml pen	4.78	4.54

TECHSPRAY FREEZE SPRAY

100% HFC's, no CFC's, no HCFC's

A HFC-134a based, rapidly evaporating liquid that chills to minus 62°F. Zero ozone depletion factor. Used as a trouble shooting aid for intermittently faulting capacitors, resistors, semi-conductors, and other defective components. Also detects cold solder joints, cracks in PCB's, and oxidized junctions.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—1672-10S	A	10 oz. aerosol	8.93	8.48

ANTI-STATIC FREEZE SPRAY

100% HFC's, no CFC's, no HCFC's

A rapidly evaporating HFC-134a product that contains an anti-static agent. Zero ozone depletion factor. Used as a trouble shooting aid in static sensitive areas for intermittently faulting capacitors, resistors, semiconductors, and other defective components. Also detects cold solder joints and oxidized junctions.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—1747-10S	A	10 oz. aerosol	10.07	9.57

LABEL AND ADHESIVE REMOVER

Label and adhesive remover is a specially designed, hydrocarbon cleaner that safely removes labels and adhesive gums from equipment and products. Effectively removes gummy residues, labels, stickers, ink marks, beverage spills and other contaminants commonly found on equipment housings without damaging plastics. Solvent has a pleasant citrus odor.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—1613-2SQ	F	2 oz. squeeze bottle	6.41	6.09
577—1613-6S	G	6 oz.aerosol	9.43	8.96
577—1613-N	D	10ml pen	6.09	5.79

CLEANER - LUBRICANT - KLEEN-IT G3

No CFC's, contains HCFC's. Quickly penetrates and flushes away grease, dirt, oil, dust, and oxidized surface metals leaving a thin protective coating of silicone to lubricate and protect.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—2421-12S	G	12 oz. aerosol	14.70	13.97

HFE PRODUCTS

Precision cleaners that leave no residue - Ideal for cleaning critical components.

Non-ozone depleting, non-flammable, rapidly evaporating, safe on most plastics.

HFE Cleaner/Degreaser

Precision solvent designed to remove dirt, oil, grease, and other contaminants.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—1685-12S	G	12 oz. aerosol	28.25	26.04

HFE Flux Remover

Excellent cleaner. Readily removes type R, RMA, RA, and synthetic fluxes from printed circuit assemblies. One Step.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—1686-6S	E	6 oz. aerosol w/ brush attach.	16.22	15.41
577—1686-12S	G	12 oz. aerosol	29.94	28.44

HFE Contact Cleaner

Designed to clean electrical contacts and switches. Removes oil, grease, silicone, and dirt from contacts and pads.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—1687-12S	G	12 oz. aerosol	29.19	27.73

CONTACT ENHANCERS

Contact Enhancer Pen

Designed to protect electronic connections during storage, transportation, and operation

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—2111-N	D	10 ml pen	6.75	6.41

Rid-Ox Contact Protector/Enhancer

Designed for improving conductivity while sealing and protecting connections.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—2112-6S	G	6 oz. aerosol	9.87	9.38

TECHSPRAY Brushes, Wipes, and Swabs

TECHSPRAY STATIC SENSITIVE BRUSHES

Use these brushes for your specific needs, whether you are cleaning sensitive optics or scrubbing heavy soils. The bristle cut is designed to offer optimum cleaning with minimum effort.

- ESD Safe stainless steel or natural horsehair
- Anodized aluminum handles

MOUSER STOCK NO.	Tech Spray Part No.	Fig.	Bristle Material	Bristle Width	Price Each	
					1	12
577-2040	2040-1	A	Horse Hair	1/8"	10.40	9.88
577-2041	2041-1	A	.003 Stainless Steel	1/8"	12.18	11.57
577-2042	2042-1	A	Horse Hair	3/8"	17.01	16.16
577-2043	2043-1	A	.003 Stainless Steel	3/8"	17.65	16.77

TECHSPRAY GENERAL CLEANING BRUSHES

- Non-Static Bristles
- Easy-Grip Handles

MOUSER STOCK NO.	Tech Spray Part No.	Fig.	Handle Material	Bristle Material	Brush Face	Price Each	
						1	12
577-2020	2020-1	A	Wood	Horse hair	1/4" X 1 3/8"	2.68	2.55
577-2021	2021-1	A	Wood	Hog's hair	1/4" X 1 3/8"	3.84	3.65
577-2022	2022-1	A	Wood	Hog's hair	7/8" X 2 1/8"	7.81	7.42
577-2023	2023-1	B	Polypropylene	Horse hair	1/4" X 1 3/8"	4.05	3.85

TECHSPRAY TECHNICAL CLEANING BRUSHES

Whether you are cleaning sensitive optics or scrubbing heavy soils, this bristle cut brush is designed to offer optimum cleaning with minimum effort. Handles are designed for a comfortable fit.

MOUSER STOCK NO.	Tech Spray Part No.	Fig.	Handle Material	Handle Length	Bristle Length	Price Each	
						1	12
577-2030	2030-1	C	Stainless Steel	3 1/2"	1/8"	6.91	6.56
577-2031	2031-1	D	Stainless Steel	4 1/2"	1/4"	7.14	6.78
577-2032	2032-1	E	Zinc Plated Steel	4 1/2"	1/2"	6.99	6.64
577-2033	2033-1	F	Zinc Plated Steel	4 1/2"	7/16"	5.29	5.03

TECHSPRAY STATIC DISSIPATIVE BRUSHES

The dissipative brushes have a surface resistivity of 10^8 - 10^9 ohms, which makes them an excellent addition to any ESD program. Each brush is made with a revolutionary, non-sloughing, static dissipative material to prevent any static generation even when cleaning with a dry brush. For your safety, please use these brushes with a wrist strap or other mechanism to provide a good path to ground.

- Nylon Bristles

MOUSER STOCK NO.	Tech Spray Part No.	Fig.	Handle Material	Handle Length	Bristle Length	Price Each	
						1	12
577-2060	2060-1	A	Aluminum	6 7/16"	1 3/16"	12.68	12.05
577-2061	2061-1	A	Aluminum	6 7/16"	1 3/16"	18.62	17.69
577-2062	2062-1	E	Zinc Plated Steel	4 1/2"	1/2"	9.72	9.23
577-2063	2063-1	D	Stainless Steel	4 1/2"	1/4"	9.84	9.35
577-2064	2064-1	C	Stainless Steel	3 1/2"	1/8"	8.02	7.62

TECHSPRAY TECHCLEAN WIPES

Features:

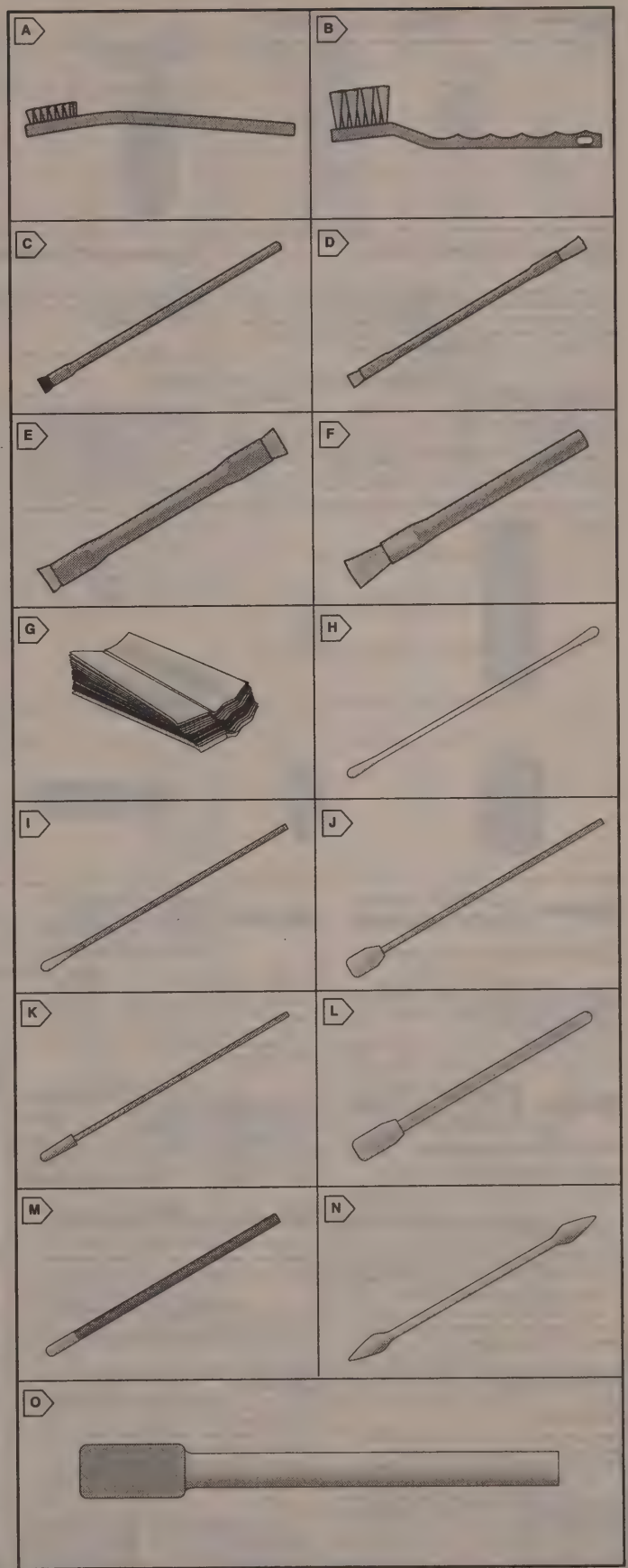
- 2350 Techclean Wiper - General-purpose cellulose/polyester wipe - high absorbency, and low linting.
- 2351/2352 Techclean Absorbwipe - Soft polyester wipe for sensitive surfaces.
- 2353/2354 Techclean Ultrawipe - Textured cellulose/polyester wipe for more aggressive cleaning.
- 2355 Techclean Purwipe - Very low lint, reusable polyester wipe.
- 2357 Techclean Twillwipe - Tough cotton twill wipe for abrasive surfaces.
- 2359 Techclean SMT Blue Wipe - Economical cellulose/polyester wipe for general maintenance.
- 2362 Anti-Static Wipe - ESD-safe wipe for static-controlled environments.

* Not Folded

MOUSER STOCK NO.	Tech Spray Part No.	Fig.	Description	Size	Price Each		
					1	6	12
577-2350-100	2350-100	G	General Purpose, 100pk	9" X 9"	17.08	16.23	15.42
*577-2351-100	2351-100	G	Absorbwipe, 100pk	4" X 4"	6.62	6.29	5.98
*577-2352-100	2352-100	G	Absorbwipe, 100pk	9" X 9"	18.64	17.71	16.83
*577-2353-100	2353-100	G	Ultrawipe, 100pk	9" X 9"	26.66	25.33	24.06
*577-2354-100	2354-100	G	Ultrawipe, 100pk	12" X 12"	44.31	42.09	39.99
*577-2355-100	2355-100	G	Purwipe, 100pk	9" X 9"	32.12	30.51	28.98
*577-2357-100	2357-100	G	Twillwipe, 100pk	6" X 6"	18.16	17.25	16.39
*577-2359-300	2359-300	G	Bluewipe, 300pk	9" X 9"	29.41	27.94	26.54
577-2362-150	2362-150	G	Anti-static wipe, 150pk	9" X 9"	84.35	80.13	76.12

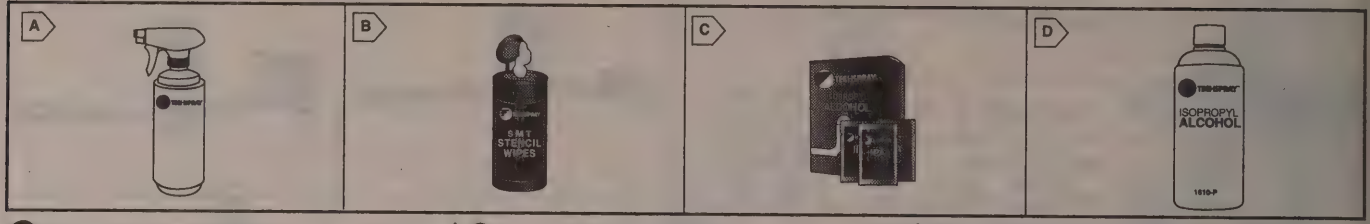
TECHSPRAY TECH SWABS

MOUSER STOCK NO.	Tech Spray Part No.	Fig.	Description	Size	Price Each		
					1	6	12
577-2300-100	2300-100	H	Double Tip Cotton, 100pk	3/16"	3.19	3.03	2.88
577-2300-1000	2300-1000	H	Double Tip Cotton, 1000pk	3/16"	24.34	23.12	21.96
577-2301-100	2301-100	I	Single Tip Cotton, 100pk	3/16"	2.94	2.79	2.65
577-2301-1000	2301-1000	I	Single Tip Cotton, 1000pk	3/16"	17.07	16.22	15.41
577-2302-50	2302-50	J	Broad Tip Foam, 50pk	7/16"	11.38	10.81	10.27
577-2302-1000	2302-1000	J	Broad Tip Foam, 1000pk	7/16"	142.94	135.79	129.00
577-2303-50	2303-50	K	Narrow Tip Foam, 50pk	1/4"	11.38	10.81	10.27
577-2303-1000	2303-1000	K	Narrow Tip Foam, 1000pk	1/4"	143.03	135.88	129.09
577-2306-50	2306-50	L	Super-Tip Foam, 50pk	1/2"	11.46	10.89	10.35
577-2306-1000	2306-1000	L	Super-Tip Foam, 1000pk	1/2"	163.08	154.93	147.18
577-2307-50	2307-50	M	Mini-Tip Foam, 50pk	3/16"	18.73	17.79	16.90
577-2307-1000	2307-1000	M	Mini-Tip Foam, 1000pk	3/16"	299.57	284.59	270.36
577-2313-30	2313-30	N	Double-Tip Pointed, 30pk	1/8"	5.09	4.84	4.60
577-2314-50	2314-50	O	Chamois Tip Swab, 50pk	3/8"	22.65	21.52	20.44
577-2314-1000	2314-1000	O	Chamois Tip Swab, 1000pk	3/8"	359.28	341.32	324.25



TECHSPRAY Cleaners, Static Control, & Coatings

SMT STENCIL CLEANING



SMT Stencil Cleaner

Hydrocarbon-based, non-ozone depleting. Cleans most wet or dried thick film and solder paste compositions. SMT Wipes are manufactured with polyurethane materials, using a fiber-free configuration that will not leave wipe particles behind on stencils and other screening parts. Wipes are 9" x 9" and 1/16" thick. Aggressive cleaning action.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—1693PT	A	1 pt. trigger	14.70	13.23
577—1693DSP	B	48 pkg. wipes	14.38	12.94
577—1693-100DSP	B	100 pkg. wipes	21.98	19.78

SMT Stencil Wipes

Isopropyl alcohol and deionized water blend. Non-ozone depleting. Good for removing inks, pastes, and contaminates that usually arise in most SMT processes.

For quantities of 24 and up, call for quote.

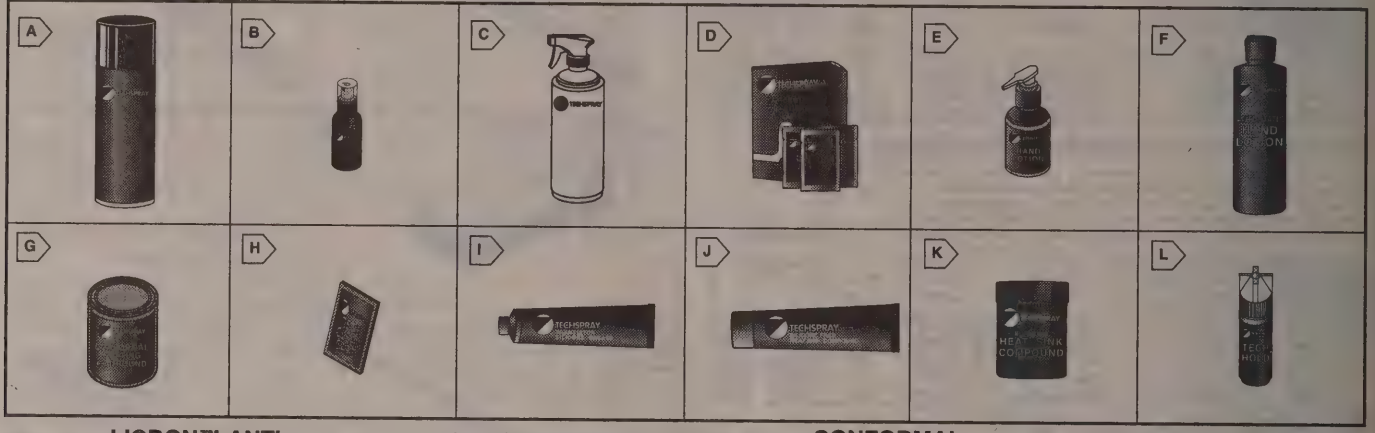
MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—1608-DSP	B	48 pkg. wipes	10.87	9.78
577—1608-100DSP	B	100 pkg. wipes	16.21	14.60

Isopropyl Alcohol

99% pure, anhydrous isopropanol for all purpose cleaning. Excellent for tape head cleaning, removal of fluxes, light oils, polar soils, and white mineral residue. Can be used as a thinner for most fluxes.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each	
Mfr. Mfr. Part Number			1	12
577—1610-50PK	C	50 packets	17.23	15.51
577—1610-DSP	B	48 pkg. wipes	12.70	11.43
577—1610-100DSP	B	100 pkg. wipes	18.53	16.68
577—1610-P	D	1 pt. plastic	7.82	7.04
577—1610-PT	A	1 pt. trigger	8.46	7.61



LICRON™ ANTI-STATIC COATING

Permanent static dissipative coating. Translucent and conductive. Can be used on most surfaces.

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each
Mfr. Mfr. Part Number			
577—1755-10S	A	10 oz.	39.78

ZERO CHARGE™ STATIC CONTROL PRODUCTS

Mat and Table Top Cleaner

Removes insulating contaminants such as flux residues, oils, greases, nicotine, dirt, and grime. Eliminates charge and prevents static charge build-up.

For quantities of 12 and up, call for quote.

577—1733-2FP	B	2 oz. pump	6.76
577—1733-PT	C	1 pt. trigger	9.22
577—1733-QT	C	1 qt. trigger	11.83

Screen and Keyboard Cleaner

Removes hand oils, ink marks, dust, fingerprints, nicotine, syrup, carbon, and other soils from work areas. Safe on most plastics.

For quantities of 12 and up, call for quote.

577—1743-50PK	D	50 pkg. box	18.58

Hand Lotion

Formulated with aloe vera for a deep, penetrating, soothing action. Contains no silicone or lanolin. Non-greasy, non-sticky, odorless, and fast absorbing.

For quantities of 12 and up, call for quote.

577—1702-8FP	E	8 oz. pump	5.41
577—1702-8SQ	F	8 oz. squeeze bot	3.32
577—1702-QP	E	1 qt. pump	11.85

ZERO CHARGE™ STATIC CONTROL PRODUCTS (CONT.)

Anti-Static Coating

Eliminates static charge and reduces triboelectric generation from most surfaces. Recommended for applications that experience flexing and movement and for plastics such as polyethylene, polypropylene, and other similar surfaces.

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each
Mfr. Mfr. Part Number			
577—1726-PT	C	1 pt. trigger	10.53
577—1726-QT	C	1 qt. trigger	14.80

GLASS CLEANER

Removes hand oils, ink marks, dust, finger prints, nicotine, syrup, carbon and other soils from work area. Safe on most plastics.

For quantities of 12 and up, call for quote.

577—1625-18S	A	18 oz.	3.40

CONFORMAL COATING REMOVER

Removes most conformal coatings, including: acrylic, epoxy, urethane, and some silicones. It can also be used to remove enamels, paints, varnishes, and lacquers. Quickly removes tar, adhesives, crayon, rubber, and carbon.

For quantities of 12 and up, call for quote.

577—2510-N	- -	10 ml pen	7.17
577—2510-P	G	1 pt. metal	21.21

CONFORMAL COATINGS

Fine-L-Kote™ SR

Flexibility allows for vibration, movement, and rapid changes in temperature. Offers chemical resistance and is recommended for harsh environments. Can be reworked by applying soldering iron, or complete removal by using the conformal coating remover (577-2510-P).

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each
Mfr. Mfr. Part Number			
577—2102-12S	A	12 oz.	18.74

Fine-L-Kote™ AR

Provides insulation against high voltage arcing and corona shorts. Product offers limited resistance to common alcohols, ketones, and esters.

For quantities of 12 and up, call for quote.

577—2103-12S	A	12 oz.	15.84

Fine-L-Kote™ UR

Urethane conformal coating. Highly resistant to most solvents, moisture, and fungus. Can be reworked by applying soldering iron, or complete removal using conformal coating remover (577-2510-P).

For quantities of 12 and up, call for quote.

577—2104-12S	A	12 oz.	17.26

Fine-L-Kote™ HT

A silicone resin, conformal coating exhibiting excellent adhesion properties. Fine-L-Kote™ HT coating offers complete versatility. Removal can be accomplished with conformal coating remover (577-2510-P).

For quantities of 12 and up, call for quote.

577—2106-12S	A	12 oz.	16.83

TECHCLEAN™ CARD READER CLEANER

A one time use, pre-saturated card. Removes dirt, magnetic oxides, and other contaminates from credit card readers, ATM/POS terminals, and other magnetic or photo card reading apparatus.

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Price Each
Mfr. Mfr. Part Number			
577—1603	H	1 card	1.30

TRANSISTOR SILICONE GREASE

Used to coat the bases of power transistors as they are connected to heat sinks. Heat conductive grease will draw heat away from the transistor allowing it to run cooler.

For quantities of 12 and up, call for quote.

577—1977-DP	I	4 oz. tube	12.37

HEAT SINK COMPOUND

- Silicone Free

A silicone-free compound applied under power transistors and other devices that generate heat to assist in transferring heat from generating objects to metal chassis for dissipation. Temperature range from -40°C to +200°C.

For quantities of 12 and up, call for quote.

577—1978	J	4 oz. tube	20.26
577—1978-1	K	1 lb. tub	41.10

TECH HOLD™ GENERAL PURPOSE ADHESIVE

Single component cyanoacrylate adhesive that exhibits high strength, fast bonding, and high impact holding. Having a medium viscosity, flows into small openings (up to .004 inches).

For quantities of 12 and up, call for quote.

577—2503	L	3 gram	2.43

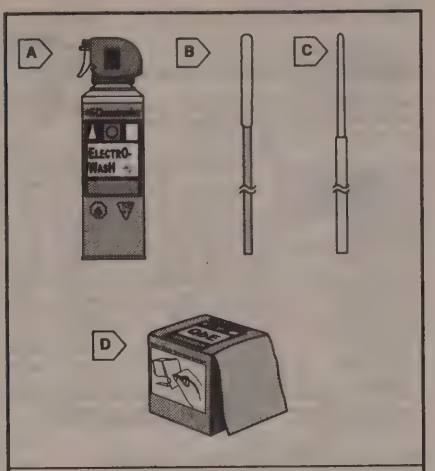
ITW Chemtronics FIBER OPTIC PRODUCTS

- Presaturated swabs and wipes combine Chemtronics® highly effective cleaners and static dissipative treatments with the convenience of a disposable applicator.

NEW PRODUCT

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 5
5168-ES810		A	ElectroWash® PX Fiber Optic Cleaner 5oz aerosol	7.78	7.39
5168-25125X		B	1.25mm Fiber Optic Swab	7.11	6.45
5168-25184		C	2.5mm Premium Fiber Optic Swab (5 per bag)	4.03	3.83
5168-QBE		D	Fiber Optic End Face Cleaning Tool	37.02	35.17



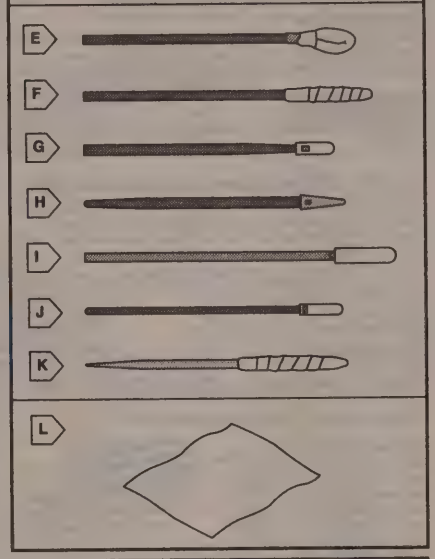
ITW Chemtronics CLEANROOM SWABS

- Chemtronics® Swabs and Applicators are engineered for use in a variety of environments and applications.
- They are ideal for use with our cleaner degreasers, head cleaners, flux removers and other solvents for fast, precision cleaning.

NEW PRODUCT

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Swab Length In. (cm)	Handle Width In. (mm)	Head Length In. (mm)	Head Thickness In. (mm)	Head Width In. (mm)	Handle Material	Head Material	Price Each 1	Price Each 5
5168-51121		E	2.8 (7.1)	.10 (2.5)	.40 (10.2)	.25 (6.5)	.23 (5.7)	Glass Filled Nylon	Knit Polyester	10.91	10.36
5168-51353		F	2.8 (7.1)	.10 (2.6)	.78 (19.8)	.16 (4.1)	.16 (4.1)	Glass Filled Nylon	Tubular Knit Poly.	36.07	34.27
5168-41050		G	2.8 (7.2)	.10 (2.6)	.40 (10.2)	.13 (3.3)	.14 (3.5)	Polypropylene	Polyurethane Foam	36.07	34.37
5168-41050ESD		G	2.8 (7.2)	.10 (2.6)	.40 (10.2)	.13 (3.3)	.14 (3.5)	Polypropylene	Polyurethane Foam	73.36	69.69
5168-44040		G	3.2 (8.0)	.10 (2.4)	.39 (9.9)	.11 (2.7)	.13 (3.3)	Polypropylene	Polyurethane	38.35	36.43
5168-44070ESD		H	3.2 (8.0)	.10 (2.4)	.39 (9.9)	.11 (2.7)	.13 (3.3)	Polypropylene	Polyurethane	73.36	69.69
5168-48040		I	2.7 (6.8)	.09 (2.2)	.41 (10.5)	.10 (2.5)	.12 (3.0)	Polypropylene	Polyurethane	45.76	43.47
5168-38140		I	2.7 (.69)	.09 (2.3)	.48 (12.1)	.06 (1.6)	.12 (3.0)	Polypropylene	Polyurethane	75.71	71.92
5168-36060		J	5.8 (14.7)	.12 (3.1)	.75 (18.9)	.19 (4.7)	.21 (5.4)	Polypropylene	Knit Polyester	101.02	95.97
5168-36060ESD		J	5.8 (14.7)	.12 (3.1)	.75 (18.9)	.19 (4.7)	.21 (5.4)	ESD	Knit Polyester	118.93	112.98
5168-21050		K	2.8 (7.1)	.10 (2.5)	1.08(27.5)	.14 (3.7)	.14 (3.7)	Nylon	Polyurethane Foam	89.00	84.55



ITW Chemtronics CLEANROOM WIPES

- Reliability and Performance.
- Products that keep contamination out of your process, improve yield, and perform consistently, shipment to shipment.

NEW PRODUCT

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Description	Price Each 1	Price Each 5
5168-6209		L	Polyester wiper. Standard weight, 9"x9" standard size	43.15	40.99
5168-6209HC		L	Sealed-edge standard weight polyester wiper. 9"x9"	52.28	49.67
5168-6259		L	Heavier-weight polyester wiper. 9"x9"	52.28	49.67
5168-6259HC		L	As above with sealed edge for lint and fiber control	58.37	55.45
5168-6704		L	4"x4" Highly absorbant	22.56	21.43
5168-6709		L	9"x9" Highly absorbant	22.56	21.43
5168-6714		L	13"x14" Highly absorbant	6.59	6.26

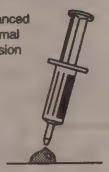
CW circuitworks PCB DESIGN & REPAIR PRODUCTS

Conductive Silver Lubrication

Conductive silver grease combines pure silver with advanced lubrication technologies for maximum electrical and thermal conductivity. Protects components from moisture, corrosion and is suitable for low to medium loads and speeds.

- Electronic
- Design
- Prototype
- Repair

Net Weight: .23 oz.



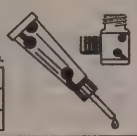
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Circuit Works Part No.	Price Each 1	Price Each 5
5168-7100	CW7100	17.87	16.98

Quick-Bond Gel and Accelerator

A nonmigrating cyanoacrylate gel that provides superior bond strength. Accelerator can be brushed on or applied directly over the gel for reliable, instant bonding.

- Strong, super tough, instant bonding
- Gel formula stays in place and fills gaps
- Bonds most materials, including plastics, rubbers, and metals
- Use where strong, instant bonds are required



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Circuit Works Part No.	Price Each 1	Price Each 5
5168-4300	CW4300	8.49	8.07

Silver Epoxy Kit

For quick connections and bonding in electronic design, prototype, and repair projects. Bonds to solder, mylar, glass, and copper. Contains (part "A") epoxy, (part "B") hardener, reusable stir/applicator, and instructions. Tube size .25 oz.

- Solderless electronic connections
- Quick no or low heat cure
- Shelf life: 12 months

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Circuit Works Part No.	Price Each 1	Price Each 5
5168-2400	CW2400	22.99	21.84

Overcoat Pens

- A tough coating to protect and insulate components, braces, and repairs on circuit boards
- Dries in minutes at room temperature
- Can be applied over traces made by the conductive pen to protect and insulate trace
- When used to repair solder masks, improves the reliability and safety of circuit board modification

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Circuit Works Part No.	Color	Price Each 1	Price Each 5
5168-3300C	CW3300C	Clear	14.24	14.00
5168-3300G	CW3300G	Green	14.24	14.00

Conductive Pens

- Use where conductive electronic traces are needed for designing prototype circuits
- Improved conductivity, better trace adhesion, and reduced setting in the pen
- Dries in 3-5 minutes at room temperature
- Spring loaded tip for smooth flow
- Shelf life: 12 months

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Circuit Works Part No.	Color	Price Each 1	Price Each 5
5168-2200ST	CW2200STP	Standard tip	17.88	16.99
5168-2200MT	CW2200MTP	Micro-tip	17.88	16.99

SOLDER-WICK ROSIN SD

"80 Series" Desoldering Fine Braid w/ Static Dissipative Bobbin

Flux coated, meets MIL-F-14256 E type "R" requirements.

- 5 foot spools

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part Number	Color	Width (In.)	Application	Price Each 1	Price Each 25	Price Each 100
5878—80-1-5		White	.030	Micro circuits	2.77	2.63	2.50
5878—80-2-5		Yellow	.060	Small pads	2.77	2.63	2.50
5878—80-3-5		Green	.080	Medium pads	2.99	2.84	2.70
5878—80-4-5		Blue	.110	Large pads	3.22	3.06	2.91
5878—80-5-5		Brown	.145	Terminals	3.54	3.36	3.19

SOLDER-WICK NO CLEAN SD

"60 Series" Desoldering Fine Braid w/ Static Dissipative Bobbin

- Leaves no visible residue
- Eliminates cleaning
- 20% faster wicking than rosin coated braids
- 5 foot spools

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part Number	Color	Width (In.)	Application	Price Each 1	Price Each 25	Price Each 100
5878—60-1-5		White	.030	Micro circuits	2.99	2.84	2.70
5878—60-2-5		Yellow	.060	Small pads	2.99	2.84	2.70
5878—60-3-5		Green	.080	Medium pads	3.09	2.94	2.79
5878—60-4-5		Blue	.110	Large pads	3.54	3.36	3.19

VINYL ELECTRICAL TAPE

Scotch® 35 Tape for Color Coding

Premium-grade 7-mil flame retardant, weather resistant tape. Other widths and lengths available upon request. Meets requirements of UL 510 and CSA.

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each 1	Price Each 10
517-35BL	3/4" x 66' blue	4.58	4.14
517-35GN	3/4" x 66' green	4.58	4.14
517-35WH	3/4" x 66' white	4.58	4.14
517-35YL	3/4" x 66' yellow	4.58	4.14
517-35RD	3/4" x 66' red	4.58	4.14
517-35GR	3/4" x 66' gray	4.63	4.20
517-35OR	3/4" x 66' orange	4.63	4.20
517-35V	3/4" x 66' violet	4.58	4.14
517-35BN	3/4" x 66' brown	4.58	4.14
517-35R	1/2" x 20' red	1.23	1.11

Scotch® Super 33+ Tape

Premium 7-mil, flame retardant, weather resistant tape. Resists temperature and moisture for splicing. Meets requirements of UL 510, HHI-595, CSA 22.2.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each 1	Price Each 10
517-33	3/4" x 66'	4.64	4.21

Scotch® Super 88 Tape

Premium-grade heavy-duty 8.5 mil, flame retardant, cold and weather-resistant tape with superior cold weather handling features. Meets UL 510, MIL-1-24391, and CSA 22.2.

For quantities of 50 and up, call for quote.

517-88	3/4" x 66'	5.22	4.75

Scotch® All Weather Telephone Vinyl Plastic Tape 88T

Special formula adhesive and extra tough backing offers you superior adhesion and excellent comformability over extended temperature ranges. Resists water, acids, alkalis. Flame retardant. Temp. Range: -18°C to 105°C

For quantities of 50 and up, call for quote.

517-88T	1 1/2" x 44'	2.70	2.62

Scotch® Heavy Duty Tape 22

10-mil thick tape offers abrasion resistance and mechanical protection for bus bar insulation. UL 510, ASTM D-2301 Type II and CSA 22.2.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each 1	Price Each 10
517-22	3/4" x 36 yds	9.69	8.81

Highland™ Vinyl Electrical Tape 700

Flame retardant 7-mil tape used for holding, protecting and insulating. UL Listed for 80° C/176°F.

For quantities of 50 and up, call for quote.

517-Highland	3/4" x 66'	1.92	1.75

Temflex™ Vinyl Electrical Tape 1700

Economy-grade, 7-mil tape.UL Listed and CSA Certified for 176°F and 80°C.

For quantities of 50 and up, call for quote.

517-1700	3/4" x 60'	.73	.62

INSULATING AND SPLICING TAPE

Scotch® Self-Fusing Silicone Rubber Electrical Tape 70

12-mil tape. High temperature, track-resistant tape composed of fully cured inorganic silicone rubber. Can be used as primary cable insulation or as a protective overwrap for terminating high-voltage wires.

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each 1	Price Each 10
517-70	1" x 30'	32.69	29.54

Scotch® Linerless Rubber Splicing Tape 130C

130C tape is a highly conformable, linerless rubber (EPR), high-voltage insulating tape formulated to provide excellent thermal dissipation of splice heat. It is designed for use in splicing and terminating wires and cables. Meets the requirements of HHI-553C, grade A and B and ASTMD-4388, type III.

For quantities of 20 and up, call for quote.

517-130C-3/4	3/4" x 30'	8.76	7.89
517-130C-1.0	1" x 30'	10.96	9.83
517-130C-1.5	1.5" x 30'	17.28	15.56
517-130C-2.0	2" x 30'	21.79	19.62

Glass Cloth Tape 79

7.4 mil tape. Printable glass cloth tape. Acrylic adhesive backing that is edge-tear resistant, conformable, and solvent resistant. For use as coil cover, anchor and as core, layer and crossover insulation.

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each 1	Price Each 10
517-79	1/2" x 60 yds	11.52	10.37

Scotch® Glass Cloth Tape 27 and 69

Woven glass cloth tapes with thermosetting, pressure-sensitive adhesives which electrically insulate and provide mechanical protection at high temperatures.

Scotch® 27 Class B 130°C / 266°F
69 Class H 180°C / 356°F

517-27	1/2" x 66 ft	8.41	7.39
517-69	1" x 36 ft	24.62	21.63

DUCT TAPE

6969 Duct Tape Silver

General purpose grade. Polyethylene coated cloth backing with rubber adhesive.

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each 1	Price Each 10
517-6969S	2" x 60 yds	11.34	10.40

Scotch® Transparent Duct Tape

Transparent when applied, making repairs less obvious. Lasts up to six times longer than other heavy-duty duct tape. Tears easily by hand lengthwise and crosswise. Adhesive sides are easily separated if they come into contact with each other. Water and UV resistant

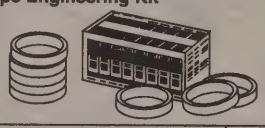
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each 1	Price Each 10
517-2120-A	2" X 20 yds	5.41	4.98

SHIELDING AND GROUNDING TAPE

EMI Shielding Tape Engineering Kit

A unique kit with a variety of foil shielding tapes conveniently at hand for design or prototype needs.



MOUSER STOCK NO.	Description	Price
517-FTK	Contains one 3/4"x4 yd roll of the following: aluminum foil, conductive tape copper foil, conductive tape copper foil, conductive tape adhesive both sides, tin-plated copper foil, conductive tape copper-plated, nonconductive tape copper foil smooth, nonconductive tape embossed, copper foil tape embossed, aluminum foil tape embossed, tin-plated copper foil tape	52.40

Aluminum Foil Shielding Tape 1170

An aluminum, smooth backed tape that provides cost efficient EMI protection OEM shielding and static grounding applications. Meets UL 510 requirements for flame retardancy.

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each 1	Price Each 10
517-1170	1" x 18yds	46.07	40.65

Scotch® Copper Foil EMI Shielding Tape 1181

Shields against EMI/RFI radiation. Meets UL 510 requirements for flame retardancy.

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each 1	Price Each 10
517-1181-1.0	1" x 18 yds	39.02	37.77
517-1181-1/2	1/2" x 18 yds	19.98	17.63

Embossed Copper Foil Shielding Tape 1245

A cost efficient EMI protection system. Meets UL 510 requirements for flame retardancy.

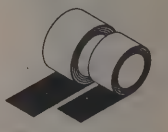
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each 1	Price Each 10
517-1245-1.0	1" x 18 yds	36.33	32.71
517-1245-1/2	1/2" x 18 yds	18.11	16.36

ELECTRICAL SEALING AND INSULATING

Scotch® Rubber Mastic Pads 2228

Molds easily around difficult shapes and will insulate, moisture seal, and pad all connections up to 600V.



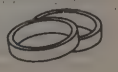
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each 1	Price Each 10
Vinyl			
517-2200A	3 1/4" x 4 1/2" pad	2.51	2.28
517-2200B	6 1/2" x 4 1/2" pad	3.96	3.60
517-2210	4" x 10' roll	35.68	32.52
Rubber			
517-2228	2" x 10' roll	17.80	16.08

ELECTROPLATING & MASKING

Scotch® Polyimide Film Wave Solder Tape 5413

5413 tape has a polyimide Kapton® Type (H) backing that is flame resistant, radiation resistant and chemical resistant. The polyimide Kapton® backing does not soften at elevated temperature, providing an excellent release surface when used at temperatures above 204°C.



MOUSER STOCK NO.	Description	Price Each 1	Price Each 10
517-5413-1/2	1/2" x 36 yds	24.92	21.39
517-5413-3/4	3/4" x 36 yds	38.90	33.39

Electronic Film Tape 5419

A polyimide/silicone film tape. Use to provide low static wave solder. Temperature range is 73°C/-100°F to 260°C/500°

517-5419-1/2	1/2" x 36 yds	26.49	23.85

Circuit Plating Tape 1280

A red polyester-backed tape with special extra-heavy adhesive that provides a superior straight stop-off-line for gold contacts on printed circuit boards. Undercutting and leakers are reduced. For machine and hand application. Temperature range is 8°C/40°F to 77°C/170°F.

517-1280-2.0	2" x 72 yds	31.47	25.00

JOINING, SPLICING, & MOUNTING

Scotch-Mount™ Double Coated Foam Tape

Designed for general purpose mounting and joining; they offer one-piece removal. Their high degree of conformability makes them well suited for joining rough, mismatched surfaces and the opened-cell foam makes excellent water and air seals.

MOUSER STOCK NO.	Description	Price Per Reel 1	Price Per Reel 5
Urethane			
517-4008	1/8" thick 1" x 36 yds.	44.34	42.75
517-4016	1/16" thick 1" x 36 yds.	29.83	28.77
Vinyl			
517-4408	1/8" thick 1" x 36 yds.	68.90	64.59
517-4416	1/16" thick 1" x 36 yds.	53.81	50.45

Scotch® Double Coated Film Tape

With adhesive on both sides, double coated tapes have more body than adhesive transfer tapes, providing increased dimensional stability, easier handling and easier dispensing. A rugged polyester film paper carrier with high-tack adhesive that provides good initial adhesion on most surfaces.

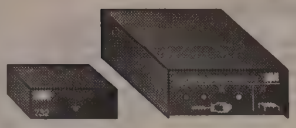
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each 1	Price Each 10
517-415	1" x 36 yds	15.58	12.39

3M™ Static Control Products

WORKSTATION MONITOR

- Continuously monitors the resistance of the work surface, operator, and wiring connections
- Monitors a visitor to the workstation as well as the primary operator
- Use only the 2300 series wrist straps



724 Workstation Monitor w/732 Remote Jack

MOUSER STOCK NO.	Description	Price Each 1	Price Each 5
517-724	Workstation monitor w/ 732 remote input jack and mounting hardware	207.55	192.90

TEST KIT FOR STATIC CONTROL SURFACES

- Includes megohmmeter and accessories

MOUSER STOCK NO.	Price Each 1	Price Each 5
517-701	1059.84	1028.96

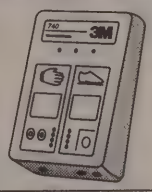
WRIST STRAP MONITOR

- Small and compact
- Battery operated
- Continuously monitors one worker
- Use only the 2300 wrist straps

MOUSER STOCK NO.	Description	Price Each 1	Price Each 5
517-725	725 Portable wrist strap monitor	90.40	86.10

WRIST STRAP TESTER

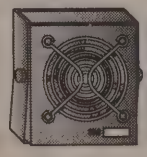
AC-powered unit designed to be wall mounted for daily testing of wrist straps. The user can select any of four different resistance levels.



MOUSER STOCK NO.	Description	Price Each 1	Price Each 5
517-740	Wrist strap tester	498.15	470.28

IONIZED AIR BLOWERS

3M's Ionized Air blowers neutralizes static charge on nonconductive materials and helps prevent static from damaging sensitive electronic components.



MOUSER STOCK NO.	Description	Price Each 1	Price Each 5
517-960	Mini air ionizer	534.35	508.44
517-963	Benchtop air ionizer	573.22	545.43
517-990	Overhead air ionizer	969.09	950.64

ADJUSTABLE WRIST STRAPS

The front line of defense in all static control processes
One size adjusts to any size wrist to provide reliable, 360 degree protection.

74P7

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each 1	Price Each 5
517-2214	Adjustable band, 5' coiled cord	28.70	27.55
517-2204	Adjustable band only	8.29	7.54
517-2210C	5' coiled cord only	18.67	17.41
517-22240	Adjustable band, 10' coiled cord	33.99	31.73
517-2271	Econo. adj. strap	3.73	3.54
517-2272	Econo. adj. strap w/ 5' coiled cord	8.82	7.91

4600 SERIES COST EFFECTIVE WRIST BANDS & CORDS

These wrist bands consist of a molded insulative thermoplastic colored exterior with an integrally molded conductive interior insert and 4mm metal male snap.

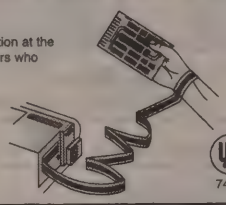
A

B

MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
517-4610	A	5' lightweight coiled cord	9.47	8.85
517-4611	A	10' lightweight coiled cord	9.65	9.03
517-4620	B	Blue wrist band	3.18	3.01

DISPOSABLE WRIST STRAP

Ideally suited for shipment along with components to ensure protection at the receiving end, or for short-term use in the plant for visitors and others who don't need the durability of a reusable strap.



74P7

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 10	Price Each 25	Price Each 100
517-22090	1.44	1.33	1.23	1.15

SHOE GROUNDING ASSEMBLY

Effectively grounds personnel when they are in contact with conductive flooring. To be effective, the shoe grounders must be worn on both feet.

- Elastic ankle strap, one size fits all
- With a 1MΩ resistor

Note: The 2051 Grounding Assembly is not to be used in areas where the individual may come in contact with electrical circuitry exceeding 250 volts.

MOUSER STOCK NO.	Price Each 1	Price Each 5
517-2051	11.08	10.18

DISPOSABLE SHOE GROUND STRAP

- One size fits all
- Provides a reliable path for static charge to drain to ground when shoes with insulative soles are worn.
- To be effective, grounders must be worn on both feet.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	Price Each 10	Price Each 50	Price Each 100
517-2045	.50	.47	.44	.37

STATIC-DISSIPATIVE FIELD SERVICE KITS

Static-safe workstations in a portable format for the field service technician.

8501 Portable Field Service Kit

- Adjustable fabric wrist band
- Heavy-duty static-dissipative work surface (.021" x 22" x 24") with two 8" x 11" pockets and 5 ft. coiled ground cord
- Common-point ground cord system with 10' section for wrist band and 5' section for mat

MOUSER STOCK NO.	Price Each (1-4)	Price Each (5-UP)
517-8501	65.51	63.32

8505 Portable Field Service Kit

- Static-dissipative work surface (.015" x 15" x 20") with pocket
- Adjustable wrist band
- Wrist strap, 5ft. ground cord, 5 ft. extension ground cord, 5 ft work surface ground cord

MOUSER STOCK NO.	Price Each (1-4)	Price Each (5-UP)
517-8505	95.90	92.70

ELECTRONICS VACUUM

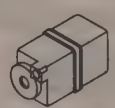
A powerful unit for high efficiency clean up of most business equipment.

Features:

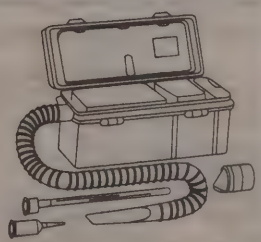
- 1 HP motor
- 3 year warranty
- Stretch hose extends from 2' to 10'
- Comes complete with wand, crevice tool, crevice brush, dusting brush, needle nozzle, and Type 2 filter
- Attachments and power cord store inside door of high impact plastic case
- Portable, quick set up and efficient safe operation

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each
517-497AJM	Electronics vacuum	220.88
517-CS1	Optional carrying strap	14.00
Replacement Filters		
517-SF1	Small Particle: traps extremely fine particles in the range of .3-.5 microns from highly sensitive equipment.	22.39
517-MF2	Medium Particle: traps toner and dust from copiers, laser printers, and other office equipment.	12.81



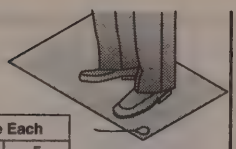
Replacement Filter



3M™ Static Control Products

CONDUCTIVE FLOOR MATS

A conductive floor mat removes static charge from personnel as they approach work areas. It provides significant passive protection in well-traveled assembly areas. Includes two female snaps (installed) and one 15' ground cord with a one megohm resistor.



MOUSER STOCK NO.	3M Part No.	Size (Ft.)	Thickness (in.)	Price Each	
				1	5
517-1864-46	1864 (1/8x4x6)	4 x 6	1/8	314.38	298.66
517-1864-48	1864 (1/8x4x8)	4 x 8	1/8	409.89	389.39

DISSIPATIVE THREE-LAYER TABLE AND FLOOR MATS

8200 series mats have a unique three-layer construction:

The top layer is durable static-dissipative vinyl which has low resistivity to discharge static-laden conductors, yet will prevent the shorting of pins on the backs of printed circuit boards laid on the mat.

The middle layer is a conductive scrim that provides discharge path to ground.

The bottom layer is static-dissipative foam, a durable, nonskid cushion.

Includes 2 female snaps (installed) and one 15' ground cord and ring connector

MOUSER STOCK NO.	3M Part No.	Color	Application	Size (Ft.)	Price Each	
					1	5
517-8211	8211	Brown	Table	2' x 4'	74.26	69.73
517-8213	8213	Gray	Table	2' x 4'	74.26	69.73
517-8214	8214	Blue	Table	2' x 4'	74.26	69.73
517-8281	8281	Brown	Floor	2' x 40'	383.03	375.73
517-8283	8283	Gray	Floor	2' x 40'	383.03	375.73
517-8284	8284	Blue	Floor	2' x 40'	383.03	375.73

ANTI-FATIGUE MAT

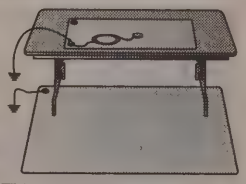
Reduces standing worker fatigue while providing protection against static electricity problems

Rubber matting material is evenly mixed with carbon to ensure the edges are as conductive as the center.

MOUSER STOCK NO.	3M Part No.	Size (Ft.)	Price Each	
			1	5
517-9500	9500	3 x 5	203.72	200.50

WORKSTATION GROUNDING KIT

Ready-to-use kit provides the basic items needed to create a static-safe work environment. Both the floor and table mats are made from soft three-layer static-dissipative material.



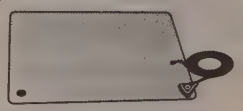
Features:

- Table mat: 2 x 4 ft.
- Floor mat: 4 x 6 ft.
- Ground cord: 15 ft.
- Grounding system for wrist strap/table mat
- Adjustable wrist strap

MOUSER STOCK NO.	3M Part No.	Color	Price Each	
			1	5
517-8023	8023	Gray	436.79	408.06
517-8024	8024	Blue	436.79	408.06

DISSIPATIVE RIGID WORK SURFACE

Includes two factory-installed female snap fasteners and grounding system for wrist strap/table mat.



- High abrasion resistance
- Resists scorching and common solvents

MOUSER STOCK NO.	3M Part No.	Color	Size (In.)	Price Each	
				1	5
517-8343	8343	Beige	.125 x 24 x 36	225.31	215.38
517-8344	8344	Gray	.125 x 24 x 36	225.31	215.38
517-8353	8353	Beige	.125 x 24 x 48	256.01	244.74
517-8354	8354	Gray	.125 x 24 x 48	256.01	244.74

STATIC CONTROL SURFACES MARK REMOVER 8001

An extra-strength cleaner for removing dirt and stains from all types of static control surfaces, including table and floor mats, hard laminate benchtops, and portable field service kits. It will also remove difficult grime from epoxy or tile flooring. 1 quart spray bottle.

MOUSER STOCK NO.	3M Part No.	Description	Price Each	
			1	12
517-8001	8001 QT	Extra strength water based cleaner	5.17	4.96

STATIC AWARENESS LABELS

Designed to alert personnel handling bags, boxes or other carriers that the contents are static-sensitive. Available in single use or reusable forms using the accepted industry static symbols: JEDEC-14

- Size: 1 7/8" x 2 1/2"
- Labels per roll: 500
- JEDEC-14 symbol

7101 / Reusable 7102 / Destructible

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Price Per Roll	
				1	5
517-7101	7101 500/Roll	A	Reusable orange with black type	36.26	34.67
517-7102	7102 500/Roll	B	Destructible yellow with black type	40.33	38.56

METAL OUT CUSHIONED STATIC SHIELDING BAGS

Five-layer construction combines static shielding with dissipative open-cell cushioning protects against direct discharge, turborelectric charge, and static fields
Testable and reusable

MOUSER STOCK NO.	3M Part No.	Description	Price Per Pkg.			
			1	5	10	50
517-2120R-0807	2120R 08X07	8" x 7" pkg/100	107.67	104.54	99.60	96.71
517-2120R-0811	2120R 08X11	8" x 11" pkg/100	134.50	130.58	124.40	120.78
517-2120R-1411	2120R 14X11	14" x 11" pkg/100	209.41	203.31	193.69	188.05
517-2120R-1811	2120R 18X11	18" x 11" pkg/100	249.18	242.24	235.35	228.50

METAL IN STATIC-SHIELDING BAGS

1900 Series

A more economical static-shielding bag for less demanding applications.

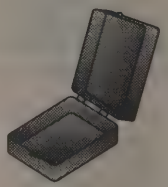
MOUSER STOCK NO.	3M Part No.	Description	Price Per Pkg.			
			1	5	10	50
517-1900-35	1900 03x05	3" x 5" pkg./100	8.71	8.11	7.83	7.57
517-1900-44	1900 04X04	4" x 4" pkg/100	8.46	8.06	7.68	7.30
517-1900-46	1900 04x06	4" x 6" pkg./100	10.08	9.39	9.07	8.76
517-1900-424	1900 04X24	4" x 24" pkg./100	26.20	24.96	23.77	22.58
517-1900-58	1900 05X08	5"x8" pkg./100	13.72	13.07	12.44	11.82
517-1900-510	1900 05X10	5"x10" pkg./100	14.93	14.22	13.54	12.87
517-1900-68	1900 06x08	6" x 8" pkg./100	11.15	10.70	10.04	9.70
517-1900-88	1900 08x08	8" x 8" pkg./100	19.10	18.20	17.33	16.47
517-1900-810	1900 08X10	8" x 10" pkg./100	22.11	21.05	20.05	19.05
517-1900-1012	1900 10x12	10" x 12" pkg./100	30.82	28.72	27.75	26.79
517-1900-1014	1900 10x14	10" x 14" pkg./100	35.95	33.51	32.39	31.27
517-1900-1115	1900 11x15	11" x 15" pkg./100	57.13	53.24	47.04	44.41
517-1900-1218	1900 12x18	12" x 18" pkg./100	54.79	51.04	49.34	47.63

1910 Series With Zipper Closure

MOUSER STOCK NO.	3M Part No.	Description	Price Per Pkg.			
			1	5	10	50
517-1910-1818	1910 18x18	18" x 18" pkg./100	108.51	104.46	97.72	94.36
517-1910-1824	1910 18x24	18" x 24" pkg./100	95.60	89.07	86.10	83.13

HINGED CONTAINERS

- Injection-molded plastic
- Molded pin hinges that provide better security and reliability than snap hinges
- Noncorrosive and lightweight



For quantities 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Size (In.)	Price Each		
			1	25	50
517-4021	4021	2.88 x 1.19 x .5	1.29	1.22	1.20
517-4022	4022	3.88 x 1.94 x .5	1.71	1.55	1.42
517-4024	4024	7 x 3.5 x 1	4.09	3.70	3.37
517-4025	4025	7 x 5 x .5	10.72	9.76	8.86

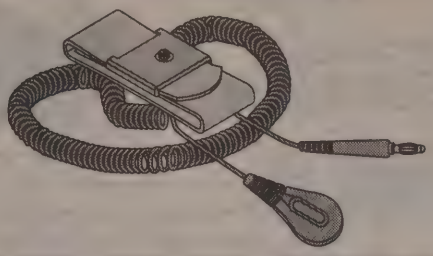
ANTI-STATIC UTILITY TAPE

Suppresses static both during unwind from the roll and during removal from a surface. Combines 3M's anti-static adhesive with a clear, one mil polyester film backing. A special pattern of ESD symbols alerts users that this is the only tape that should be used in static-safe areas.

MOUSER STOCK NO.	3M Part No.	Size (In.)	Description	Price Each	
				1	5
517-4034	40PR Tape 3/4"	3/4" x 72 yds.	3" plastic core	16.02	14.02
517-4001	40PR Tape 1"	1" x 72 yds.	3" plastic core	21.90	18.89

DESCO ELASTIC ADJUSTABLE WRIST STRAPS

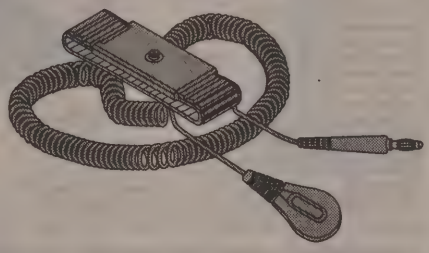
Features:
- Extra wide, soft elastic band
- Adjustable
- Locking clasp
- Has silver impregnated nylon knitted on inside for superior conductivity
- Meets ESD S1.1



MOUSER STOCK NO.	Desco Part No.	Description	Price Each		
			1	10	25
809-09070	09070	Band Only	18.00	16.20	15.23
809-09069	09069	Band with 6 Foot Coil Cord	19.07	17.16	16.43

DESCO PREMIUM METAL EXPANSION WRIST STRAPS

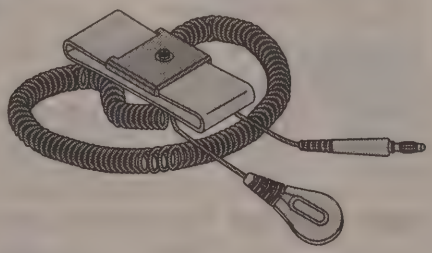
Features:
- Premium metal expansion wrist strap
- Patented contoured spring supported banana plug
- Superior contact with skin
- Adjustment band changes quickly and easily to any size
- Meets ESD S1.1



MOUSER STOCK NO.	Desco Part No.	Description	Price Each		
			1	10	25
809-09041	09041	Band Only	19.19	17.27	16.63
809-09085	09085	Band with 6 Foot Coil Cord	28.84	25.96	24.81

DESCO JEWEL® ELASTIC ADJUSTABLE WRIST STRAPS

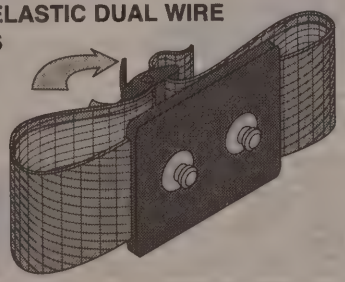
Features:
- High visibility
- Patented contoured spring supported banana plug
- Solid stainless steel wrist band stud machined to exacting tolerances and precise profile
- Lifetime warranty on wrist band stud
- Durable, lightweight fabric
- Meets ESD S1.1



MOUSER STOCK NO.	Desco Part No.	Description	Price Each		
			1	10	25
809-09100	09100	Wrist Strap, 6' Cord, Sapphire	20.15	18.14	17.45
809-09102	09102	Wrist Strap, 6' Cord, Ruby	20.15	18.14	17.45
809-09103	09103	Wrist Strap, 6' Cord, Topaz	20.15	18.14	17.45
809-09104	09104	Wrist Strap, 6' Cord, Emerald	20.15	18.14	17.45
809-09110	09110	Wrist Strap, 6' Cord, Amethyst	20.15	18.14	17.45

DESCO ADJUSTABLE ELASTIC DUAL WIRE WRIST STRAPS

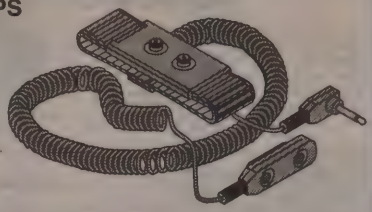
Features:
- Use with Desco Dual Wire Continuous Monitor
- Dual Wire Wrist Strap provides redundancy; even if one dual wire wrist strap conductor is severed, operator has reliable path-to-ground with other wire
- 4mm snaps are machined to precision profile from 300 series stainless steel for a consistent and reliable connection.
- Meets ESD S1.1



MOUSER STOCK NO.	Desco Part No.	Description	Price Each		
			1	10	25
809-19691	19691	Adjustable Wristband, 4mm male snaps	7.72	6.95	6.26
809-19690	19690	4mm male snaps, with 6' Snap-One Right-Angle Coil Cord	20.95	18.86	16.97
809-19851	19851	4mm male snaps, with 12' Snap-One Coil Cord	23.21	20.89	18.80

DESCO PREMIUM METAL EXPANSION DUAL WIRE WRIST STRAPS

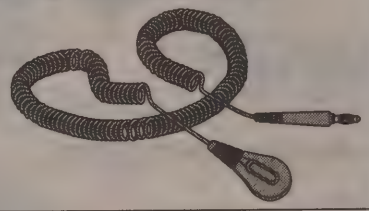
Features:
- Use with Desco Dual Wire Continuous Monitor
- Dual Wire Wrist Strap provides redundancy; even if one dual wire wrist strap conductor is severed, operator has reliable path-to-ground with other wire
- 300 series stainless steel backplate (0.015" thick).
- Premium metal expansion wristband.



MOUSER STOCK NO.	Desco Part No.	Description	Price Each	
			1	5
809-19844	19844	Wristband Only, 4mm male snaps, small	25.52	23.25
809-19842	19842	Wristband Only, 4mm male snaps, medium	25.52	23.25
809-19840	19840	Wristband Only, 4mm male snaps, large	25.52	23.25
809-19859	19859	4mm male snaps, small, with Snap-One 6' Coil Cord	41.01	39.95
809-19858	19858	4mm male snaps, medium, with Snap-One 6' Coil Cord	41.01	39.95
809-19857	19857	4mm male snaps, large, with Snap-One 6' Coil Cord	41.01	39.95

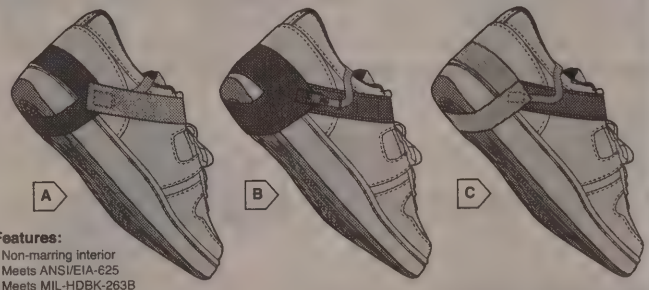
DESCO RELAXED RETRACTION COIL CORDS

Features:
- Relaxed retraction strength black PVC
- Superior strain relief tests in excess of 1,000,000 cycles
- Eliminates intermittent failures that occur with less durable single and dual wire cords
- Improved snap design
- Allows cart users to ground carts to common grounding point on bench



MOUSER STOCK NO.	Desco Part No.	Description	Price Each		
			1	10	25
809-09480	09480	Black, 6' Cord	12.24	11.02	10.60
809-09680	09680	Black, 12' Cord	15.69	14.12	13.28
809-09682	09682	Black, 20' Cord	17.27	15.54	14.60

DESCO FOOT GROUNDERS

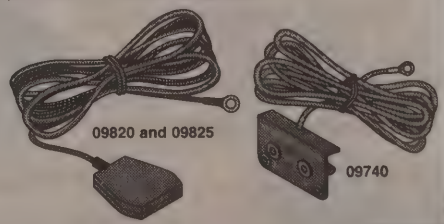


Features:
- Non-marring interior
- Meets ANSI/EIA-625
- Meets MIL-HDBK-263B

MOUSER STOCK NO.	Desco Part No.	Fig.	Description	Price Each		
				1	10	25
809-17200	17200	A	Heel Grounder 1 Meg ohm	8.67	7.80	7.34
809-07590	07590	B	D-Ring Heel Grounder 1 Meg ohm	12.26	11.03	10.05
809-17250	17250	C	Heel Grounder No Resistor	10.79	9.71	9.35

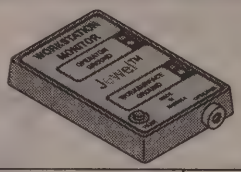
DESCO WORK SURFACE GROUNDING

Features:
- Two banana jacks
- Provides two grounding points for wrist straps or carts
- Ring terminal at end of ground cord
- Allows easy attachment to electrical ground



MOUSER STOCK NO.	Desco Part No.	Description	Price Each		
			1	10	25
809-09820	09820	W/O Resistor, 10mm Socket, 10' Cord	14.42	13.70	13.02
809-09825	09825	W/O Resistor, 10mm Stud, 15' Cord	14.42	13.70	13.02
809-09740	09740	Dual Wrist Strap Ground W/O Resistor, 10' Cord	15.39	14.62	13.89

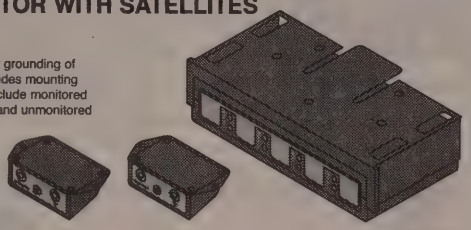
DESCO JEWEL® WORKSTATION CONTINUOUS MINI MONITOR



Features:
- Small size
- Stand-by parking snap
- Provides true 100% continuous monitoring of operator and work surface

MOUSER STOCK NO.	Desco Part No.	Description	Price Each 1	Price Each 5
809-19212	19212	Sapphire, 120 Volt, NIST Calibrated	127.34	114.92

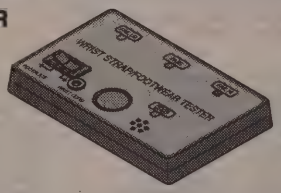
DESCO DUAL OPERATOR WORKSTATION CONTINUOUS MONITOR WITH SATELLITES



Features:
- Control Unit LEDs indicate proper grounding of two mats and two operators; includes mounting
- Two Satellite Remote Monitors include monitored wrist strap ground, parking stud, and unmonitored ground for guest or equipment

MOUSER STOCK NO.	Desco Part No.	Description	Price Each 1	Price Each 5
809-19230	19230	Split Remote Modules 120VAC	220.50	215.00

DESCO COMBO TESTER



Features:
- Tests wrist straps and foot grounders
- Positive rocker switch actuation
- LED's display test results
- Battery powered with low-battery indicator

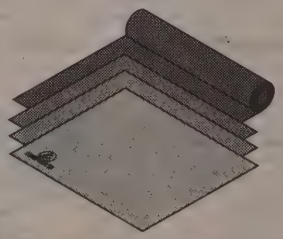
MOUSER STOCK NO.	Desco Part No.	Description	Price Each 1	Price Each 5
809-19250	19250	Combo Wrist & Footground NIST	216.48	195.38
809-19252	19252	Combo WS & FG W/Stand NIST	355.28	320.64

DESCO SURFACE RESISTANCE TEST KIT

Features:
- Digital display
- Accurately measures RTT, RTG, per ESD S4.1
- Meter measures ambient temperature and relative humidity
- Color coded LED and digital LCD read-out
- Automatic Test Range Voltage Selection

MOUSER STOCK NO.	Desco Part No.	Description	Price Each 1	Price Each 5
809-19780	19780	Split Remote Modules 120VAC	1151.84	1039.54

DESCO STATFREE T2™ - DISSIPATIVE DUAL LAYER RUBBER

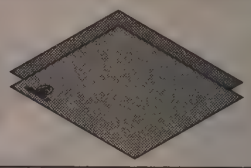


Features:
- Durable rubber material, dissipative (10^6 -10^8 ohms) on one side and conductive on the other
- Versatile and long-lasting product; use as a dissipative worksurface table mat.
- Bottom conductive layer provides reliable path to ground, compatible for use with continuous monitors
- Superior heat, chemical, and wear resistance

* Drop Ship Only

MOUSER STOCK NO.	Desco Part No.	Description	Price Each 1	Price Each 5
809-66050	66050	Dark Grey, 0.060 24" x 36"	68.55	65.12
809-66055	66055	Dark Grey, 0.060 24" x 48"	85.10	80.85
* 809-66080	66080	Roll, Dark Grey, 0.060 24" x 40'	551.00	523.45
* 809-66105	66105	Roll, Dark Grey, 0.060 30" x 40'	689.00	654.55
* 809-66085	66085	Roll, Dark Grey, 0.060 36" x 40'	827.00	785.65

DESCO STATFREE B™ - DISSIPATIVE HOMOGENEOUS VINYL

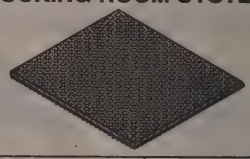


Features:
- 10^7 - 10^8 ohms resistance
- Meets the minimum recommended worksurface requirement of ANSI/ESD S20.20
- Reversible extruded homogenous vinyl

* Drop Ship Only

MOUSER STOCK NO.	Desco Part No.	Description	Price Each 1	Price Each 5
809-16213	16213	Mat Kit, Blue, 0.100 x 24" x 36", Common Point Ground Kit Included	58.25	52.57
809-16214	16214	Mat Kit, Blue, 0.100 x 24" x 48", Common Point Ground Kit Included	70.35	63.49
* 809-16260	16260	Roll, Blue, 0.100 x 24" x 40'	410.00	370.03

DESCO STATFREE i™ - CONDUCTIVE ERGONOMIC RUBBER INTERLOCKING ROOM SYSTEM



Features:
- RTT: 10^3 - 10^4 ohms
- Ergonomic design dome/support cell structure
- Durable homogenous rubber
- Interlocks are easily trimmed - no special tools required
- Meets the minimum recommended flooring requirements of ANSI/ESD S20.20

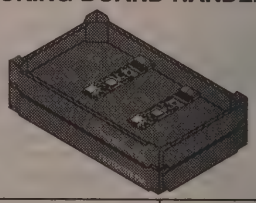
MOUSER STOCK NO.	Desco Part No.	Description	Price Each 1	Price Each 5
809-40930	40930	Black, .05" x 24" x 36"	102.66	92.65
809-40931	40931	Black, 36" x 48"	204.67	184.72

PROTEKTIVE PAK TEK-MATE™ BOARD HANDLERS

Features:
- Portable ESD worksurface that can also be used to transport populated but unsoldered circuit boards
- Static dissipative foam (RTT 10^6 - 10^7 ohms) laminated to Protektive Pak® corrugate
- Includes 10mm (3/8") male grounding snap
- Fits most transportation carts
- Buried shielding layer minimizes sloughing and rub-off contamination.

MOUSER STOCK NO.	Desco Part No.	Description	Price Each 1	Price Each 10	Price Each 25
809-37800	37800	12" x 18" with 10mm male snap	11.70	11.12	10.20
809-39852	39852	12" x 18" with 10mm female snap	11.70	11.12	10.20
809-37801	37801	18" x 24" with 10mm male snap	20.49	19.47	17.85
809-39854	39854	18" x 24" with 10mm female snap	20.49	19.47	17.85

PROTEKTIVE PAK ESD STACKING BOARD HANDLER TRAYS



Features:
- Trays that can stack and nest together for improved use of space
- Great container for Kanban

MOUSER STOCK NO.	Desco Part No.	Description	Price Each 1	Price Each 10	Price Each 25
809-37750	37750	18" x 11-3/8" x 1-3/4"	11.43	11.12	10.87
809-37751	37751	22 7/8" x 17 1/4" x 2 3/4"	22.44	21.91	21.60

PROTEKTIVE PAK ESD SUPER TEK TRAYS

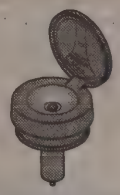
Features:
- Static dissipative foam (RTT 106 - 107 ohms) laminated to bottom
- Steel wire frames
- Impregnated corrugated material
- Stackable
- Great container for Kanban

MOUSER STOCK NO.	Desco Part No.	Description	Price Each 1	Price Each 10	Price Each 25
809-37760	37760	18" x 11-3/8" x 1-3/4" with wire frames	19.64	19.06	18.76
809-37761	37761	22 3/4" x 17 1/2" x 2 1/2" with wire frames	33.20	32.34	31.76

Dispensing Pumps, Bottles and Static Control Products DESCO

One-Touch

Features:
- Patented One Handed Operation
- Precision Machined Valves
- Cam-Lock Hinge
- Will not corrode or contaminate liquid
- Perfect for ultra clean environments

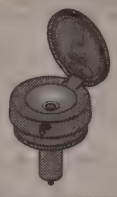


Pure-Touch

Features:
- Patented One Handed Operation
- Precision Machined Valves
- Patented Purity Protector
- Cam-Lock Hinge
- Perfect for ultra clean environments

Take-Along

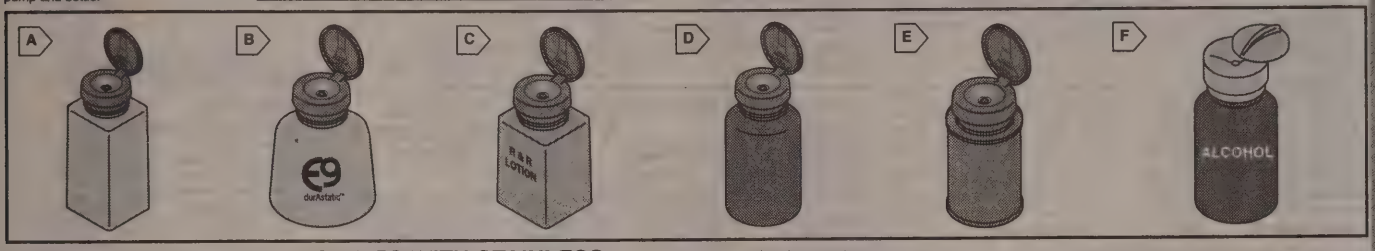
Features:
- Patented One Touch Operation
- Precision Machined Valves
- Locking Pump
- Cam-Lock Hinge
- Perfect for ultra clean environments



E = Excellent
G = Good
NR = Not Recommended
S = Stainless Steel Pump
PP = Polypropylene Pump

The applications table at right is to be used as a guideline only. It is the user's responsibility to determine the suitability of a particular fluid dispensed from a Menda pump and bottle.

Chemical	Acetone	Gasoline	Isopropyl Alcohol	M.E.K.	Toluene	Turpentine	Water
Bottle/Pump							
HDPE/SS	E	E	E	E	G	G	E
Dissipative HDPE/SS	G	G	E	G	NR	NR	E
Glass/SS	E	E	E	E	E	E	E
Tin Coated Steel/SS	E	E	E	E	G	E	NR
HDPE/PP	E	NR	E	NR	NR	NR	E



MENDA NATURAL HDPE BOTTLES WITH STAINLESS STEEL PUMP

- High Density Polyethylene
- Square Shape for stability
- Translucent white finish
- Wide Opening

MOUSER STOCK NO.	Menda Part No.	Fig.	Description		Price Each		
			Pump Style	Bottle Size	1	10	25
809-35304	35304	A	One-Touch	2 oz.	12.54	11.91	11.32
809-35305	35305	A	One-Touch	4 oz.	12.76	12.12	11.51
809-35309	35309	A	One-Touch	6 oz.	13.15	12.49	11.87
809-35312	35312	A	One-Touch	8 oz.	13.37	12.70	12.07
809-35504	35504	A	Pure-Touch	2 oz.	14.91	14.17	13.46
809-35505	35505	A	Pure-Touch	4 oz.	15.13	14.37	13.65
809-35508	35508	A	Pure-Touch	6 oz.	15.46	14.69	13.96
809-35510	35510	A	Pure-Touch	8 oz.	15.68	14.90	14.16
809-35701	35701	A	Take-Along	2 oz.	18.26	17.35	16.48
809-35702	35702	A	Take-Along	4 oz.	18.37	17.45	16.58
809-35703	35703	A	Take-Along	6 oz.	18.48	17.56	16.68
809-35704	35704	A	Take-Along	8 oz.	18.59	17.66	16.78

MENDA YELLOW DISSIPATIVE ESD PROTECTIVE BOTTLES WITH STAINLESS STEEL PUMP

- No Migratory Additives
- Reduces the chance for contamination from the bottle
- Highly Visible With ESD Markings
- Flask Style Shape
- Available Pump Styles

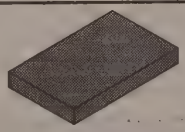
809-35354	35354	B	One-Touch	6 oz.	15.29	14.53	13.80
809-35540	35540	B	Pure-Touch	6 oz.	17.66	16.78	15.94

MENDA BLUE DISSIPATIVE ESD PROTECTIVE BOTTLES WITH STAINLESS STEEL PUMP

- Low Tribo-Charging
- Provides stability and saves storage space

809-35337	35337	C	One-Touch	6 oz.	13.15	12.49	11.87
809-35531	35531	C	Pure-Touch	6 oz.	16.83	15.99	15.19

DESCO STATFREE® CONDUCTIVE FOAM



Features:
- Antistatic, low tribocharging
- Dissipative - corrosion resistant
- Uniform protection
- 10^3 - 10^5 ohms

MOUSER STOCK NO.	Desco Part No.	Description	Price Each		
			1	10	25
809-12660	12660	Cross Linked, 1/4" (6.4mm)	45.46	43.19	41.03
809-12250	12250	High Density, 1/4" (6.4mm)	20.00	19.00	18.05
809-12350	12350	High Density, 3/8" (9.5mm)	30.57	29.04	27.59
809-12450	12450	High Density, 1/2" (12.7mm)	41.60	39.52	37.54
809-12550	12550	High Density, 3/4" (19.1mm)	49.17	46.71	44.37

DESCO ESD SUSCEPTIBILITY LABELS

- Identifies that ESD Controls are required to protect items.
- 500 labels per roll

809-06722	06722	2" x 2", roll	10.83	10.29	9.77
809-06730	06730	2" x 2" Reusable, roll	10.83	10.29	9.77

MENDA AMBER GLASS WITH STAINLESS STEEL PUMP

- Allows storage of fluids not compatible with plastic
- Translucent

MOUSER STOCK NO.	Desco Part No.	Fig.	Description		Price Each		
			Pump Style	Bottle Size	1	10	25
809-35315	35315	D	One-Touch	4 oz.	13.37	12.70	12.07
809-35112	35112	D	Pure-Touch	4 oz.	15.68	14.90	14.16

MENDA STEEL CAN WITH STAINLESS STEEL PUMP

- Steel Construction
- Allows storage of fluid not compatible with plastic

809-35335	35335	E	One-Touch	4 oz.	15.13	14.37	13.65

MENDA HDPE WITH PLASTIC PUMP

- High Density Polyethylene
- Perfect for alcohol dispensing
- Reduces odors and maintains purity
- Available with Alcohol imprint for demarcation

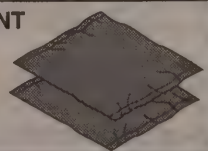
MOUSER STOCK NO.	Desco Part No.	Fig.	Description	Price Each		
				1	10	25
809-35601	35601	F	8 oz., Brown, w/ imprint	5.94	5.64	5.36
809-35602	35602	F	8 oz., Brown, no imprint	5.94	5.64	5.36
809-35603	35603	F	8 oz., Natural, no imprint	5.94	5.64	5.36

DESCO ANTISTATIC CLEAR CELLULOSE TAPE

Features:
- Ideal in packaging for container sealing, static shielding bag closure, and holding DIP tubes
- Prevents damage to sensitive electronic components in manufacturing

MOUSER STOCK NO.	Desco Part No.	Description	Price Each		
			1	10	25
809-81210	81210	Cellulose w/ Symbols .75" x 72 yds	7.19	6.83	6.49
809-81211	81211	Cellulose w/ Symbols 1" x 72 yds	9.14	8.68	8.25

DESCO STATSHIELD® TRANSPARENT METAL IN STANDARD ESD SHIELDING BAGS



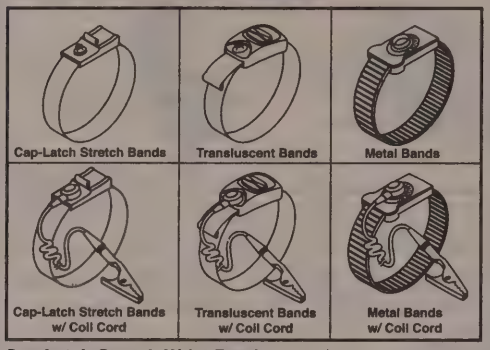
Features:
- 40% light transmission
- Integral antistatic, low tribocharging properties
- Polycarbonate compatible containing no amines or N-octanic acid

809-13415	13415	4" x 6", 100-pack	6.12	5.80	5.51
809-13430	13430	5" x 8" 100-pack	9.70	9.22	8.76
809-13445	13445	6" x 10" 100-pack	11.69	11.11	10.55
809-13465	13465	8" x 12" 100-pack	19.29	18.33	17.41
809-13470	13470	10" x 12" 100-pack	22.27	21.16	20.10

SPI WESTEK Static Control Products

SPI westek

ADJUSTABLE WRIST BANDS



Cap-Latch Stretch Wrist Bands

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Band Color	Snap Size	Price Each 1	Price Each 10
Wrist Band					
809-SP106B	95100	Gray	7mm	6.14	6.03
809-SP106B-P	95101	Gray	3mm	6.14	6.03
809-SP106B-B	95110	Blue	7mm	4.25	4.13
809-SP106B-B-P	95120	Blue	3mm	4.41	4.28
Wrist Band w/6' Coil Cord					
809-SP106-E6	95103	Gray	7mm	7.41	7.19
809-SP106-E6-P	95097	Gray	3mm	7.41	7.19
809-SP106B-B6	95113	Blue	7mm	7.41	7.19
809-SP106B-B6-P	95099	Blue	3mm	7.41	7.19

Colored Translucent Wrist Bands

Wrist Band					
809-SP1079B-B7	95131	Blue	7mm	5.08	4.93
809-SP1079B-G7	95133	Gray	7mm	5.08	4.93
809-SP1079B-M7	95135	Maroon	7mm	5.08	4.93
809-SP1079B-B3	95130	Blue	3mm	5.08	4.93
809-SP1079B-G3	95132	Gray	3mm	5.08	4.93
809-SP1079B-M3	95134	Maroon	3mm	5.08	4.93
Wrist Band w/6' Coil Cord					
809-SP1079B-B76	95152	Blue	7mm	8.11	7.87
809-SP1079B-B36	95141	Blue	3mm	8.43	8.18

Metal Wrist Bands

Wrist Band					
809-SP1035B-BLK	95000	Black	7mm	9.15	8.88
809-SP1035B-BLK-P	95007	Black	3mm	9.15	8.88
Wrist Band w/6' Coil Cord					
809-SP1035BLK-6	SP1035BLK-6	Black	7mm	11.38	11.05

Slide Stretch Wrist Band w/6' Coil Cord

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Band Color	Snap Size	Price Each 1	Price Each 10
809-SP1077ADJ	95105	Blue	7mm	8.68	8.43

DISSIPATIVE TABLE MATTING

BRD Series

Color Chart: Colors = Ordering Suffix
- Blue=101
- Gray=102

- Three layer blue or gray (see color chart)
- Excellent ESD properties. ideal for use where static is a problem
- Other cut sizes available
- Extremely durable heavy vinyl surface, conductive center
- Ships Factory Direct

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each 1	Price Each 2
809-SP2114-__	.125" x 24" x 48"	35.18	34.16
809-SP2101-__	.125" x 24" x 50'	377.21	366.22

TLR Series

Color Chart: Colors = Ordering Suffix
- Blue=101
- Gray=102

- Other cut sizes available
- Two layer blue or gray (see color chart)
- Volume electrical properties protect static sensitive products
- Static dissipative top layer with a conductive bottom of synthetic rubber
- Ships Factory Direct

809-SP2214-__	.078" x 36" x 48"	45.97	44.63
809-SP2203-__	.078" x 36" x 50'	585.28	568.23

NVMT Series RICHMICA™ II

Color Chart: Colors = Ordering Suffix
- Blue=BL
- Gray=G
- Beige=BE
- Almond=A
- Off White=OW

- Clean room admissible
- 5 colors (see color chart)
- Other cut sizes available
- Exclusive ARP surface has minimal shedding
- Control ESD w/ voltage suppression ambiguity
- Ships Factory Direct

809-SP2010-__	.060" x 24" x 48"	71.42	70.07

ANTI-STATIC NYLON GLOVES W/ TEXTURE

- Package of 10 pair

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Glove Size	Price Each 1	Price Each 2
809-SP6020-S	97242	Small	19.89	19.31
809-SP6020-M	97241	Medium	19.89	19.31
809-SP6020-L	97240	Large	19.89	19.31
809-SP6020-XL	97243	X-Large	19.89	19.31

ANTI-STATIC FINGER COTS

- Package of 1440
- Pink
- Size: Large

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Price Each 1	Price Each 2
809-SP6002-L	97210	29.11	28.26

ESD CONDUCTIVE GRID TAPE

- 1" x 36 yards on 3" core

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Price Each 1	Price Each 2
809-SP6252	96949	4.59	4.46

ESD WARNING FLOOR TAPE

- 3" x 54 feet

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Price Each 1	Price Each 2
809-SP6320	96971	15.95	15.49

GROUNDING MONITORS

Ground Gard™ 3

- Signals wrist strap failure, improper contact of wrist strap to bare skin and faulty grounding connections
- Audible alarm and flashing red light when alarm is muted
- Battery operated version available with low battery indicator

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Price Each
809-SP30127	94310	83.81
809-SP30127-BAT	94312	83.81

Ground Gard™ 4.5

- Continuous dual-operator monitor
- Includes 2 wrist strap remotes
- Audible/Visual fault alarms

For quantities of 2 and up, call for quote.

809-SP30142	94350	173.12

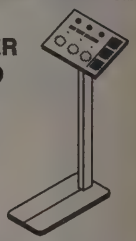
Ground Gard™ 5

- Continuous dual-operator monitor
- Ground sensing light
- Includes 2 wrist strap remotes
- Audible/Visual fault alarms
- Can monitor 2 operators and 1 mat, or 1 operator and 2 mats

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Price Each
809-SP30152	94365	205.58

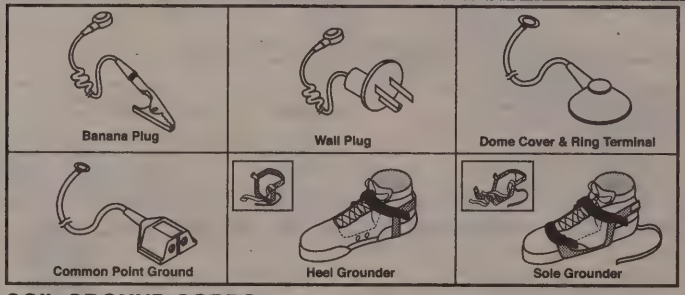
WRIST STRAP & FOOTWEAR TESTER STATION W/ STAND



- Ideal for use in operations where frequent and quick testing of wrist strap and footwear is required
- Complete w/ foot plate and stand, ready to use
- Ships Factory Direct

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Price Each
809-SP30225TS	95410	459.11



COIL GROUND CORDS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Description	Snap Size	Price Each 1	Price Each 10
809-SP1094-6	95316	6' w/ banana plug	7mm	3.42	3.32
809-SP1094-6-P	95318	6' w/ banana plug	3mm	3.42	3.32
809-SP1094-12	95315	12' w/ banana plug	7mm	4.06	3.94
809-SP1094-12-P	95317	12' w/ banana plug	3mm	4.06	3.94
809-SP1095-6	95321	6' w/ wall plug	7mm	11.30	10.97

GROUND CORDS

809-SP1064GC	95305	15' w/ dome cover & ring terminal	10mm	10.36	10.06
809-SP1134CPG-7	95331	8' common point ground cord	7mm	7.47	7.25

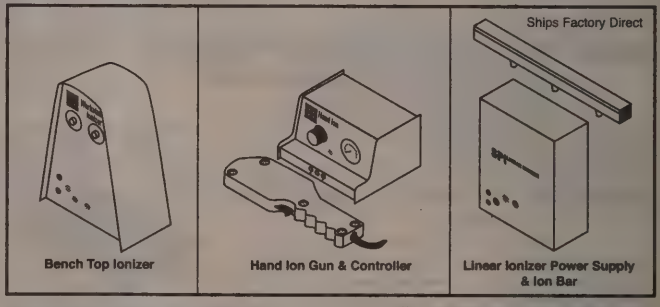
SHOE GROUNDERS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Description	Price Each 1	Price Each 10
809-SP1042-HR	95205	Heel Grounder with Shoe Insert	5.53	5.37
809-SP1046-SL	95211	Sole Grounder with Shoe Insert	11.78	11.44

IONIZATION

Ships Factory Direct



For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Description	Price Each 1	Price Each 2
809-SP4001	94000	Bench Top Ionizer	289.32	280.89
809-SP4700H	94130	Hand Ion Gun and Controller	613.21	595.35
809-SP4015L	94240	Linear Ionizer Power Supply	408.40	396.50
809-SP4004-48	94203	Ion Bar, 4' with 12 emitters	263.74	256.06
809-SP4004-A48	94223	Air Ion Bar, 4', with 16 emitters	284.22	275.94

ESD CHEMICALS

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Description	Price Each 1	Price Each 2
809-SP8201	96560	Topical Anti-Stat, quart	8.07	7.83
809-SP9200	96800	Floor Stripper, gallon	12.42	12.06
809-SP9101	96820	Floor Finish, gallon	39.47	38.32
809-SP9210	SP9210	Floor Cleaner/Restorer, gallon	28.84	28.00

MG CHEMICALS Silicones, Epoxies, & Kits

GE RTV SILICONES

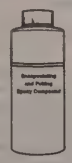
Their primary uses are for adhering, bonding part together; sealing out moisture, environmental contaminants and UV; insulating against mechanical stress, vibration and the effects of thermal cycling; providing electrical protection; and for formed-in-place gasketing (FIPG).

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Type	Color	Features	Price Each	
					1	5
590-RTV102-85ML	RTV102-85ML	Paste	White	High Performance	5.42	5.14
590-RTV103-85ML	RTV103-85ML	Paste	Black	High Performance	5.42	5.14
590-RTV106-85ML	RTV106-85ML	Non-Conductive Paste	Red	High Temperature	10.90	10.35
590-RTV108-85ML	RTV108-85ML	Paste	Translucent	High Temperature	5.39	5.12
590-RTV112-85ML	RTV112-85ML	Flowable	White	High Performance/Strength	21.63	20.55
590-RTV118-85ML	RTV118-85ML	Flowable	Translucent	High Temperature	21.63	20.55
590-RTV167-85ML	RTV167-85ML	Paste	Grey	High Strength	41.68	39.60
590-RTV5818-300ML	RTV5818-300ML	Non-Conductive Paste	Translucent	Fast Cure, High Strength	12.95	12.30
590-RTV162-85ML	RTV162-85ML	Non-Conductive Paste	White	Mil Spec & UL recognized	13.50	12.83
590-RTV11-1P	RTV11-1P	Flowable-SS4155 Primer Req.	White	Potting High Voltage App	64.45	61.23
590-RTV12A-1G	RTV12A-1G	Base	Clear	Low Viscosity, RTV12C Req	234.57	222.84
590-RTV615-1P	RTV615-1P	Flowable	Clear	Two-Part, SS4120 Required	87.83	83.44
590-RTV615-1G	RTV615-1G	Flowable	Clear	Two-Part, SS4120 Required	418.66	397.73
590-RTV630-1P	RTV 630-1P	Two-Part, Non-Corrosive	Blue	High Strength, use w/SS4155	121.91	115.82
590-RTV88-1P	RTV88-1P	Paste	Red	Extreme High Temp, two part	120.88	114.84
590-RTV60-1P	RTV60-1P	Pourable Paste	Red	Extreme High Temp, two part	74.95	71.20
590-RTV60-1G	RTV60-1G	Pourable Paste	Red	Extreme High Temp, two part	455.00	432.25
590-TSE3331-2QT	TSE3331-2QT	Two-Part	Dark Grey	Therm Conductive, Flame-Ret	241.54	229.46
590-TSE3941-333ML	TSE3941-333ML	Flowable Paste	White	Fast Cure, Therm. Conductive	69.75	66.26
590-TSE397C-100G	TSE397C-100G	Semi-Flowable	Translucent	Fast Cure, Non-Corrosive	37.09	35.24
590-TSE399C-100G	TSE399C-100G	Flowable	Translucent	Fast Cure, Non-Corrosive	37.09	35.24

ENCAPSULATING AND POTTING EPOXY COMPOUNDS

Protects sensitive components from impact, vibration, heat, shock, conductivity, moisture, chemicals, and analysis.



Features:
- Non-conductive
- Water and chemical resistant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Size	Color	Type	Price Each	
					1	5
590-832B-375ML	832B-375ML	375ml (12 oz)	Black	General Purpose	20.55	19.52
590-832B-3L	832B-3L	3L (.8 gal)	Black	General Purpose	94.56	89.83
590-832C-375ML	832C-375ML	375ml (12 oz)	Clear	General Purpose	20.55	19.52
590-832C-3L	832C-3L	3L (.8 gal)	Clear	General Purpose	89.90	85.41
590-832FRB-375ML	832FRB-375ML	375ml (12 oz)	Black	Flame Retardant	23.19	22.03
590-832FRB-3L	832FRB-3L	3L (.8 gal)	Black	Flame Retardant	115.69	109.90
590-832-TC-450ML	832-TC-450ML	450ml (16 oz)	Black	Thermally Conductive	23.19	22.05

THERMAL MANAGEMENT GREASES AND LUBRICANTS

Lubricate and protect connections from moisture and corrosion. Formulated to improve electrical and thermal conductivity.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Size	Type	Price Each	
				1	5
590-846-80G	846-80G	80g (5 oz) Tube	Carbon Conductive Grease	11.03	10.48
590-8461-85ML	8461-85ML	85ml (3 oz) Liquid Tube	White Lithium Grease	9.45	8.97
590-8462-85ML	8462-85ML	85ml (3 oz) Liquid Tube	Translucent Silicone Grease	10.92	10.37
590-860-150G	860-150G	150g (5 oz) Tube	Silicone Heat Transfer Compound	12.84	12.20

SUPER SHIELD CONDUCTIVE COATING

A general purpose EMI/RFI shielding spray for use on plastic electronics enclosures. Consists of a tough, durable acrylic base pigmented with a high purity nickel flake. Surface resistance of approximately 0.7 Ω.

For quantities of 5 and up, call for quote.

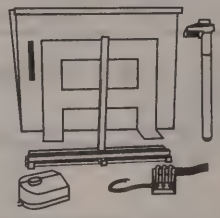
MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each
590-841-340G	841-340G	Aerosol 340g (12 oz)	25.29

PROTOTYPING KITS

Professional Etching Process Kit - 416E

Etches copper clad circuits professionally. Accommodates two 8" x 12" 2-sided CCB's

Includes:
- 7 litre heavy duty polyethylene etching tank
- Sturdy mounting bracket
- Clear acrylic lid
- Heavy duty air pump
- 3-way adjustable airline manifold
- Triple line sparging unit
- 200 watt side mounting immersion heater with quartz element and adjustable temperature control
- Adhesive digital thermometer
- Bag of vinyl gloves
- Complete instructions
- Maximum board thickness: .062"
- Contains no chemical products



Etching Process Kit - 416E

Economy Etching Process Kit - 416-ES

Economy Etching Process Kit - 416-ES

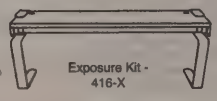
Ideal for Students and hobbyists
Accommodates two 8" x 9" 2-sided CCB's

Includes:
- 5 litre etching tank
- Air pump and tubing
- Sparging unit
- Vinyl gloves
- Complete instructions
- Contains no chemical products

Exposure Kit - 416-X

Convenient kit includes major components required to expose presensitized copper-clad boards.

Includes:
- Exposure Tube
- Clear acrylic weight for artwork
- Fluorescent light fixture with stand (brackets)
- Complete instructions



Exposure Kit - 416-X

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each
590-416E	416-E	Professional Etching Process Kit	166.88
590-416ES	416-ES	Economy Etching Kit	43.88
590-416X	416-X	Exposure Kit	32.12

TOUCH PUMP SOLVENT DISPENSERS

Both dispensers come with a high density polyethylene 8 oz. bottle suitable for many solvents. These square shaped bottles also provide stability and save storage space. Wide openings allow for easy filling.

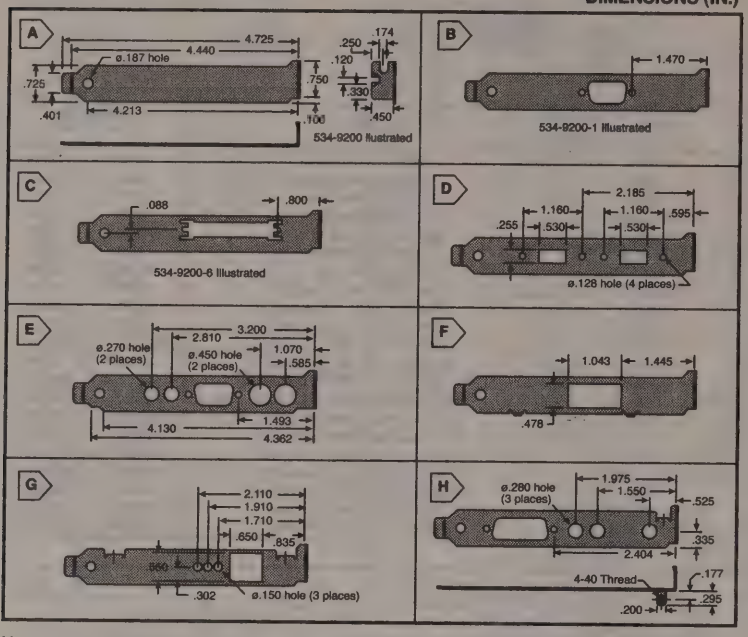
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each
590-8230-8	8230-8	Anti-Spill, Anti-Back flow	13.45
590-8231-8	8231-8	Touch Pump Dispenser	18.95

Brackets, PC Boards, Card Guides, Design and Repair Products

KEYSTONE COMPUTER CARD BRACKETS

DIMENSIONS (IN.)



These printed circuit card brackets have been designed to fit all PC computers and are available with a variety of holes and cutouts to connect any peripheral. The standard brackets shown reflect the most common configurations and cutouts for specific applications.

- Material: nickel plated .032" steel

Standard Blanks

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Fig.	Application	Cutout	Price Each			
					1	10	100	500
534-9200	9200	A	EISA/ISA or PCI	Blank	1.92	1.60	1.17	.90
534-9202	9202	A	EISA/ISA w/tabs	Blank	2.23	1.86	1.36	1.06
534-9203	9203	A	PCI with tabs	Blank	2.23	1.86	1.36	1.06
534-9201	9201	A	EISA/ISA or PCI	Blank	1.92	1.60	1.17	.90

Standard Brackets

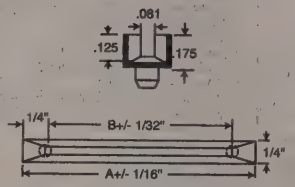
For Bracket Dimensions Refer to Figure A
For quantities of 1000 and up, call for quote.

534-9200-1	9200-1	B	EISA/ISA	9P "D" Sub	1.92	1.60	1.17	.90
534-9200-2	9200-2	B	PCI	9P "D" Sub	1.92	1.60	1.17	.90
534-9200-3	9200-3	B	EISA/ISA	15P "D" Sub	1.92	1.60	1.17	.90
534-9200-4	9200-4	B	EISA/ISA	25P "D" Sub	1.92	1.60	1.17	.90
534-9200-6	9200-6	C	PCI	50P SCSI 1	1.92	1.60	1.17	.90
534-9200-7	9200-7	C	PCI	68P SCSI 1	1.92	1.60	1.17	.90
534-9200-8	9200-8	C	PCI	50P SCSI 2-4	1.92	1.60	1.17	.90
534-9200-9	9200-9	C	PCI	68P SCSI 2-4	1.92	1.60	1.17	.90
534-9200-10	9200-10	D	EISA/ISA or PCI	USB	1.92	1.60	1.17	.90
534-9201-1	9201-1	E	PCI	A/V	1.92	1.60	1.17	.90
534-9202-1	9202-1	F	EISA/ISA	MODEM	1.92	1.60	1.17	.90
534-9203-2	9203-2	G	PCI	NETWORK	1.92	1.60	1.17	.90
534-9204-1	9204-1	H	EISA/ISA	SOUND	1.92	1.60	1.17	.90

* Other standard or custom designed brackets are available, contact your Mouser Customer Service Representative.

epd eagle plastic devices — PCB CARD GUIDES

The printed circuit board card guide is designed to fit a .125" + .003" -.001" front diameter hole and a .120"±.005 x .218" slot rear hole.



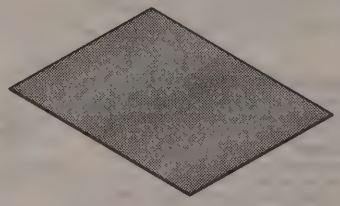
DIMENSIONS (IN.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Eagle Part No.	Dim. (In.)		Price Each			
		A	B	1	100	500	1000
561-CG250	21CGS00250	2.5	2.0	.53	.398	.363	.330
561-CG300	21CGS00300	3.0	2.5	.53	.398	.363	.330
561-CG350	21CGS00350	3.5	3.0	.53	.398	.363	.330
561-CG400	21CGS00400	4.0	3.5	.60	.455	.408	.375
561-CG450	21CGS00450	4.5	4.0	.64	.474	.435	.398
561-CG550	21CGS00550	5.5	5.0	.61	.455	.408	.375
561-CG600	21CGS00600	6.0	5.5	.68	.511	.466	.421

MG Chemicals — COPPER CLAD BOARDS

We offer 1/16, 1/32 and 1/64 FR4 laminate with 1 ounce copper per square foot. This flame retardant laminate is translucent in color and made of continuous woven glass cloth impregnated with epoxy resin. The copper on 1 ounce board is 1.34 mil thick (0.0341mm). The boards are made of FR4 which is a flame retardant version of G-10 material. Developed specifically for the circuit processing industries requirements. Complies with Mil-S-13949H-GFK. Provides ultraviolet blocking and fluorescence when using automated optical inspection (AOI). UL #E37002A

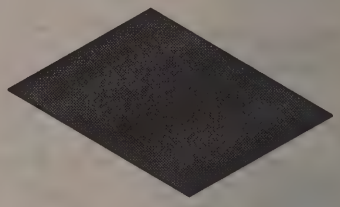


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		PCB Thickness	Dimension (In.)	Copper	Price Each	
Mfr.	Mfr. Part No.				1	5
Single Sided						
590—	503	1/16	3" x 5"	1oz.	2.75	2.61
590—	506	1/16"	4" x 6"	1oz.	2.96	2.78
590—	509	1/16"	6" x 6"	1oz.	4.25	4.04
590—	512	1/16"	6" x 9"	1oz.	5.95	5.65
590—	515	1/16"	8" x 10"	1oz.	7.50	7.04
590—	521	1/16"	12" x 12"	1oz.	10.08	9.45
590—	586	1/32"	4" x 6"	1oz.	3.45	3.28
590—	588	1/32"	6" x 9"	1oz.	5.95	5.65
590—	590	1/32"	12" x 12"	1oz.	11.75	11.16
590—	597	1/64"	6" x 9"	1oz.	5.95	5.65
Double Sided						
590—	550	1/16"	6" x 6"	1oz.	4.85	4.61
590—	555	1/16"	12" x 12"	1oz.	13.45	12.78
590—	587	1/32"	4" x 6"	1oz.	3.75	3.56
590—	589	1/32"	6" x 9"	1oz.	6.25	5.94
590—	591	1/32"	12" x 12"	1oz.	13.45	12.78
590—	598	1/64"	6" x 9"	1oz.	6.25	5.94

MG Chemicals — POSITIVE PRESENSITIZED BOARDS

Our presensitized boards provide high resolution and excellent fine line control. They are ideal for prototypes, small production runs, and student training. White protective peel-off liner is attached to protect board from incident light and scratching. We also offer a large thin (12 x 18 x 1/32 inch) cat#675 paper phenolic presensitized board (Easy Cutting!!), perfect for cutting into smaller boards with no special equipment. Perfect for the classroom.



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		PCB Thickness	Dimension (In.)	Copper	Price Each	
Mfr.	Mfr. Part No.				1	5
Single Sided						
590—	603	1/16	3" x 5"	1oz.	6.70	6.37
590—	606	1/16"	4" x 6"	1oz.	7.14	6.78
590—	609	1/16"	6" x 6"	1oz.	7.87	7.48
590—	612	1/16"	6" x 9"	1oz.	11.78	11.19
590—	687	1/32"	4" x 6"	1oz.	6.75	6.41
590—	689	1/32"	6" x 9"	1oz.	11.15	10.59
Paper Phenolic Single Sided						
590—	675	1/32"	12" x 18"	1oz.	23.95	22.75
Double Sided						
590—	650	1/16"	6" x 6"	1oz.	11.61	11.03
590—	660	1/16"	6" x 9"	1oz.	16.10	15.30
590—	690	1/32"	6" x 9"	1oz.	14.35	13.63
590—	698	1/64"	6" x 9"	1oz.	14.35	13.63
Paper Phenolic Double Sided						
590—	676	1/32"	8" x 12"	1oz.	20.25	19.24

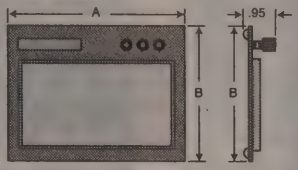
Breadboards and PCB Design

3M SOLDERLESS BREADBOARDS

3M solderless breadboards incorporate state-of-the-art techniques in design and fabrication to yield a circuit building system with unparalleled flexibility.

Features:

- 5 way binding post interface connections
- Laboratory proven multi-tie point terminal design
- Steel base with high gloss baked enamel finish
- Alpha-numeric tie-point identification
- 3M jumper wires included with all breadboards

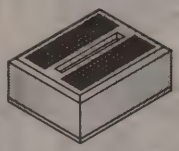


MOUSER STOCK NO.	DIP Capacity	Size (In.) A	Size (In.) B	No. of Tie Points	Binding Post	Price Each
517-922306	6-14 pin	5.40	4.00	610	2	22.96
517-922309	9-14 pin	7.00	4.00	840	3	26.15
517-922318	18-14 pin	7.75	6.25	1824	3	45.23
517-922327	27-14 pin	8.00	9.25	2712	4	57.82
517-922336	36-14 pin	10.25	9.25	3648	4	75.18
517-922345	45-14 pin	12.44	9.75	4520	4	104.56
517-922354	54-14 pin	14.69	9.75	5424	4	115.44

3M™ TERMINAL AND DISTRIBUTION STRIPS

Features:

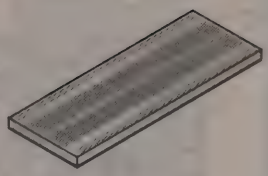
- Terminal strips have spring clips arranged side-by-side.
- Distribution strips have spring clips arranged end-to-end.



MOUSER STOCK NO.	3M Part No.	Description	No. of Tie Points	Price Each
517-923253-R	923253-R	Circuit strip breadboard, alloy	610	17.12
517-923261-I	923261-I	Full double terminal strip	640	19.25
517-923273-I	923273-I	1/4 double terminal strip	640	8.38
517-923277-I	923277-I	Full distribution strip	44	7.81
517-923289-I	923289-I	Full double terminal strip 4 position	512	17.88
517-923292-I	923292-I	Full single terminal strip 4 position	216	14.56

3M™ CIRCUIT STRIPS

Super strip and the small circuit strips breadboarding unit combine terminal and distribution building blocks in a single unit. Plug-in ease of the .100" x .100" solderless tie-point matrix is combined with the convenience of separate distribution buses for power, ground and signal lines.

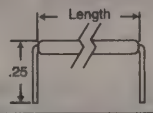


MOUSER STOCK NO.	3M Part No.	Description	No. of Tie Points	Price Each
517-923252-I	923252-I	Super Strip 2, alloy	840	24.90
517-923252-R	923252-R	Super Strip 2, alloy	610	27.82
517-923749-I	923749-I	Circuit strip, gold	640	65.86
517-923748-I	923748-I	Circuit strip, gold	840	78.74

3M™ COLOR CODED JUMPER WIRES

Features:

- Pre-measured, pre-formed color coded jumper wires
- 22 AWG solid, tinned copper, PVC insulated
- Stripped 1/4", bent 90° on both ends



MOUSER STOCK NO.	Length (In.)	Color	Package Quantity	Price Each
517-923345-01	0.1	None	200	8.44
517-923345-02	0.2	Red	200	8.44
517-923345-03	0.3	Orange	200	8.44
517-923345-04	0.4	Yellow	200	8.44
517-923345-05	0.5	Green	200	8.44
517-923345-06	0.6	Blue	150	8.44
517-923345-07	0.7	Violet	150	8.44

MOUSER STOCK NO.	Length (In.)	Color	Package Quantity	Price Each
517-923345-08	0.8	Gray	150	8.44
517-923345-09	0.9	White	150	8.44
517-923345-10	1.0	Brown	100	8.44
517-923345-20	2.0	Red	100	8.44
517-923345-30	3.0	Orange	75	8.44
517-923345-40	4.0	Yellow	75	8.44
517-923345-50	5.0	Green	75	8.44

3M™ COLOR CODED JUMPER WIRE ASSORTMENT KIT

- 350 pieces
- 14 different color coded lengths
- 25 of each length

MOUSER STOCK NO.	3M Part No.	Price Each
517-923351-R	923351-R	26.27

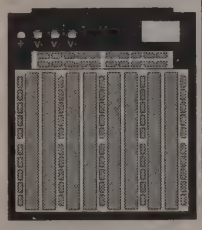
3M™ BREADBOARD TIE-POINT BLOCKS

Ideal for connections to power, ground, clock lines and status monitors, etc. Each group of four tie-points has a solder tail for connection to the circuit. Mounting posts on the plastic body press fit into holes in the PC board. The .100" matrix will accept any lead up to .032 inch; #22 AWG solid wire is recommended for connections.

MOUSER STOCK NO.	3M Part No.	Description	Price Each
517-923301-I	923301-I	Quad tie-point block	20.22

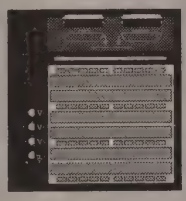
PP PROTO-TYPE BOARDS

A



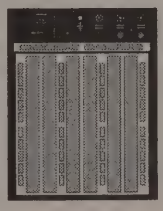
383-K326 Shown

B



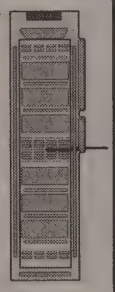
- Programmable 25-pin detachable I/O D-sub connectors included (1 male, 1 female)
- Fits up to 36 14 pin dual in-line IC's

C



- Built-in power supply (short-proof)
- DC power: +5V/1A
- Adjustable: 0 to +15V or -15V @ 500mA
- Input line voltage: AC 120V 60Hz

D



- All PC signals are connected to PCB
- External DB-25 D-sub connector (female) for interfacing
- Fits up to 24 14-pin dual-in-line IC's

For construction of electronic circuits. Accepts most electronic components including IC's and transistors. Contacts-silver/nickel alloy. ABS polymer plastic body. Edge plates included. Dimensions shown are base plate dimensions.

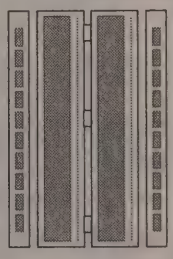
* Power cord not included

MOUSER STOCK NO.	Fig.	Description	Dimen. (In.) L	Dimen. (In.) W	Price Each
383-K158	A	1580 tie points, 3 binding posts, fits up to 18 14-pin dual-in-line IC's	6.625	7.50	16.75
383-K242	A	2420 tie points, 4 binding posts, fits up to 27 14-pin dual-in-line IC's	9.875	7.375	22.75
383-K326	A	3260 tie points, 4 binding posts, fits up to 36 14-pin dual-in-line IC's	10.50	9.50	29.75
383-K2300-1	B	Interface proto-type board, 2320 tie points, 4 binding posts	10.00	9.00	58.95
*383-K2400	C	Powered proto-type board, 2420 tie points, power switch w/light	9.75	7.75	159.95
383-Q1940	D	PC interface proto-type board, 1940 tie points	13.75	4.00	91.88

PP MULTI-BOARD SOCKETS AND BUS STRIPS

Features:

- Center channel can be adjusted from 0.3 to 0.6 with a simple swap of the strips
- Accommodates 8 to 40 pin IC's
- Can fit up to 9 14-pin dual-in-line IC's
- Snap lock design allows easy combination with other strips



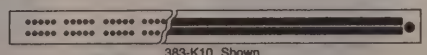
MOUSER STOCK NO.	Price Each
383-X1000	10.95

PP SOCKET AND BUS STRIPS

Features:

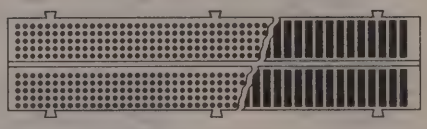
- External body: polymer (resists heat up to 90°C)
- Internal contact material: silver and nickel alloy
- Contact resistance: < 1mΩ
- Snap lock design
- Continuous working temperature should not exceed 50°C (max.)

A



383-K10 Shown

B



MOUSER STOCK NO.	Fig.	Description	Dimen. (In.) L	Dimen. (In.) W	Price Each
383-Q50	A	2 buses of 25 terminals in two rows	3.15	.47	2.13
383-Q290	B	58 groups of 5 connected terminals	3.15	1.50	4.95
383-K10	A	4 buses of 25 terminals in two rows	6.80	.54	1.95
383-K64	B	128 groups of 5 connected terminals	6.80	1.50	6.95

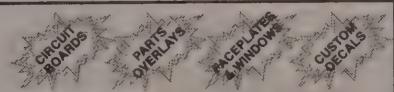
TONER TRANSFER SYSTEM

- No Chemicals!
- No Darkroom!
- No Negatives!

3 Easy Steps:

- Print it...
- Iron it...
- Soak it...

Create your own "iron-on" PC board patterns, faceplates, and color decals from any laser printer or high quality copier!

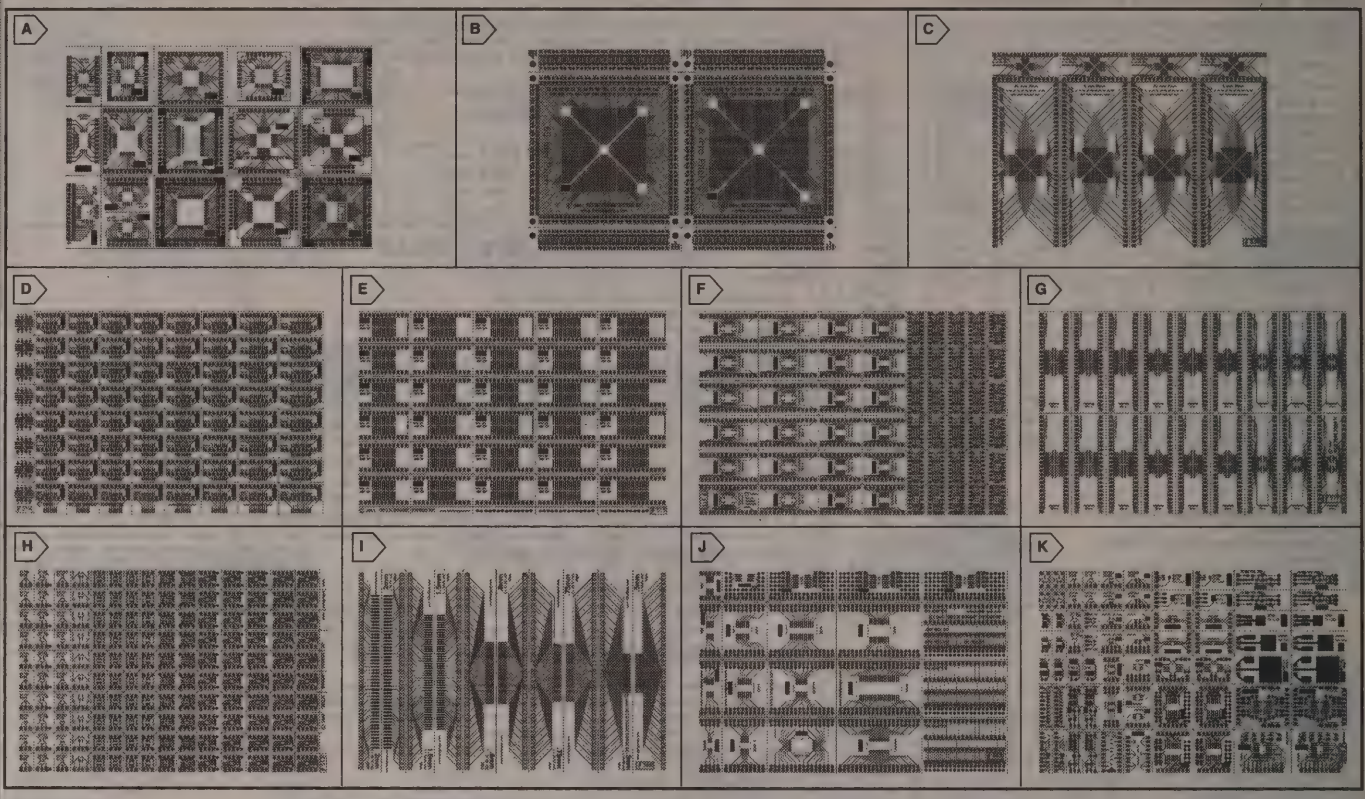


MOUSER STOCK NO.	No. of 8 1/2" x 11" Sheets	Price Each 1	Price Each 5
5165-TTS10	10	14.95	13.50

BELLIN SMT Prototyping Adapters

BELLIN DYNAMIC SYSTEMS INC.

BELLIN DYNAMIC SYSTEMS SMT ADAPTER BOARDS

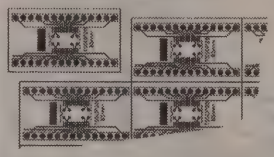


Specifications:

- Board thickness: .031"
- Thru-hole spacing .100", hole diameter .050"

Full scale data sheets available at mouser.com/bellin

Grooved Snap-Apart™ boards adapt surface mount IC's to .100" spacing thru-hole pads.



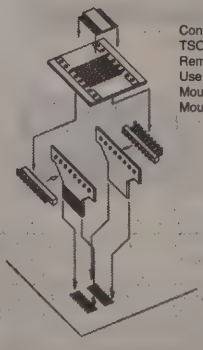
MOUSER STOCK NO.	Bellin Dynamic Part No.	Fig.	Description	No. of Adapters	Price Each 1	Price Each 10
853-B504	B504	A	QFP 32 44 48 52 54 64 70 80 100, PLCC 18 20 28 32 44	15	45.95	41.50
853-B518	B518	B	QFP 32 pin, 40, 48...(by 8's) to 256, .65 or .8mm pin pitch	2	45.95	41.50
853-B519	B519	B	QFP 32 pin, 40, 48...(by 8's) to 256, .4 or .5mm pin pitch	2	45.95	41.50
853-B530	B530	C	QFP/MLF: 8 pin, 16, 24...(by 8's) to 80p, .65 or .8mm pin pitch	8	43.65	41.45
853-B531	B531	C	QFP/MLF: 4 pin, 12, 20...(by 8's) to 76p, .65 or .8mm pin pitch	8	43.65	41.45
853-B532	B532	C	QFP/MLF: 8 pin, 16, 24...(by 8's) to 80p, .4 or .5mm pin pitch	8	43.65	41.45
853-B533	B533	C	QFP/MLF: 4 pin, 12, 20...(by 8's) to 76p, .4 or .5mm pin pitch	8	43.65	41.45
853-B514	B514	D	SOIC 8, 14, 16, 18, 20 to DIP .300" width	72	45.95	41.50
853-B515	B515	E	SOIC 24, 28, 32 to DIP .600" width	30	45.95	41.50
853-B505	B505	-	SOIC 8, 14, 16, 20, 24, 32, 40 pin patterns for prototyping, 60 patterns	42	45.95	41.50
853-B516	B516	F	T/SSOP 14, 16, 20, 28 (.65mm pin pitch) to DIP	54	45.95	41.50
853-B517	B517	G	T/SSOP 48 (.4, .5, .65mm pin pitches) to DIP	18	45.95	41.50
853-B507	B507	-	T/SSOP 16, 20, 32, 40, (.4, .5, .65mm pitches) for prototyping, 40 patterns	20	45.95	41.50
853-B513	B513	H	MSOP8/10, TSOP8, SOT 23/26, SOT323/363, 143, SC70/90	150	45.95	41.50
853-B508	B508	I	Dual rows of 48 pads, pitches: .4, .5, .65, .8, 1, 1.5, 2mm 30, 70 mil	10	45.95	41.50
853-B503	B503	J	SOIC, QSOP, TSOP, T/SSOP patterns for prototyping, 34 patterns	17	45.95	41.50
853-B502	B502	K	SOT-, TO-, SC-, MSOP, TSOP, SOIC, DPAK, 160 SMT patterns	70	45.95	41.50

BELLIN DYNAMIC SYSTEMS SMT ADAPTER BOARDS FOR SOIC PADS

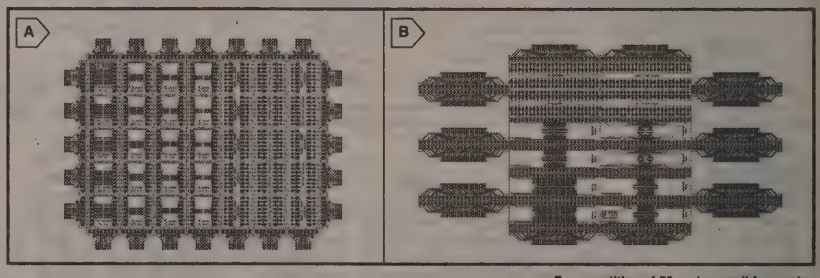
Specifications:

- T/SSOP patterns include .4/.5/.65mm pin pitches, SOIC=.050" pin pitch, DIP=.100" pin pitch in either .300" or .600" widths

Full scale data sheets available at mouser.com/bellin



Convert SOIC pads on existing PCB's to: MSOP, SSOP, TSOP, TSSOP .4/.5/.65mm, SOIC or DIP .300"/.600". Remap pins, convert to DIP socket, other uses. Use with .100" spacing pin strip headers, such as Mouser Stock No. 571-41031850 (40p straight) and Mouser Stock No. 571-41029780 (40p right angle).



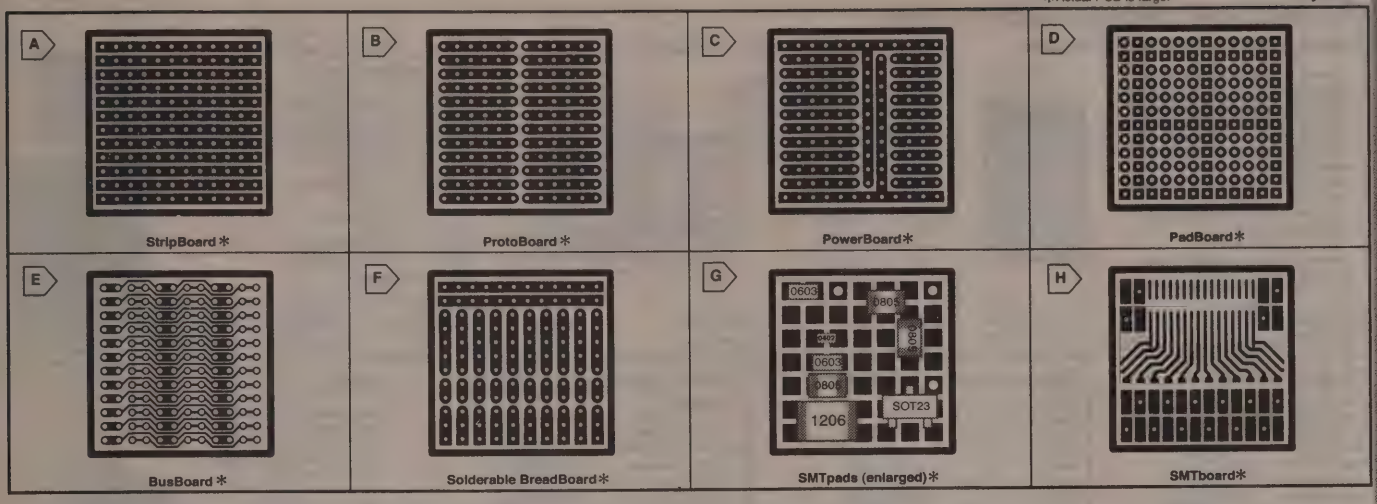
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bellin Dynamic Part No.	Fig.	Description	No. of SOIC Adapters	Price Each 1	Price Each 10
853-CC-8	CC-8	A	SOIC8 to: TSOP8, MSOP8, DIP or SOIC (for pin remap)	22	51.95	47.50
853-CC-14	CC-14	A	SOIC14 to: TSOP, MSOP, DIP or SOIC (for pin remap)	12	51.95	47.50
853-CC-16	CC-16	A	SOIC16 to: TSOP, MSOP, DIP or SOIC (for pin remap)	12	51.95	47.50
853-CC-24	CC-24	B	SOIC24 to: TSOP, MSOP, DIP or SOIC (for pin remap)	10	51.95	47.50
853-CC-28	CC-28	B	SOIC28 to: TSOP, MSOP, DIP or SOIC (for pin remap)	10	51.95	47.50
853-CC-32	CC-32	B	SOIC32 to: TSOP, MSOP, DIP or SOIC (for pin remap)	10	51.95	47.50
853-CC-40	CC-40	B	SOIC40 to: TSOP, MSOP, DIP or SOIC (for pin remap)	10	51.95	47.50
853-CC-48	CC-48	B	SOIC48 to: TSOP, MSOP, DIP or SOIC (for pin remap)	8	51.95	47.50

BPS Prototyping Boards

BPS BusBoard Prototype Systems

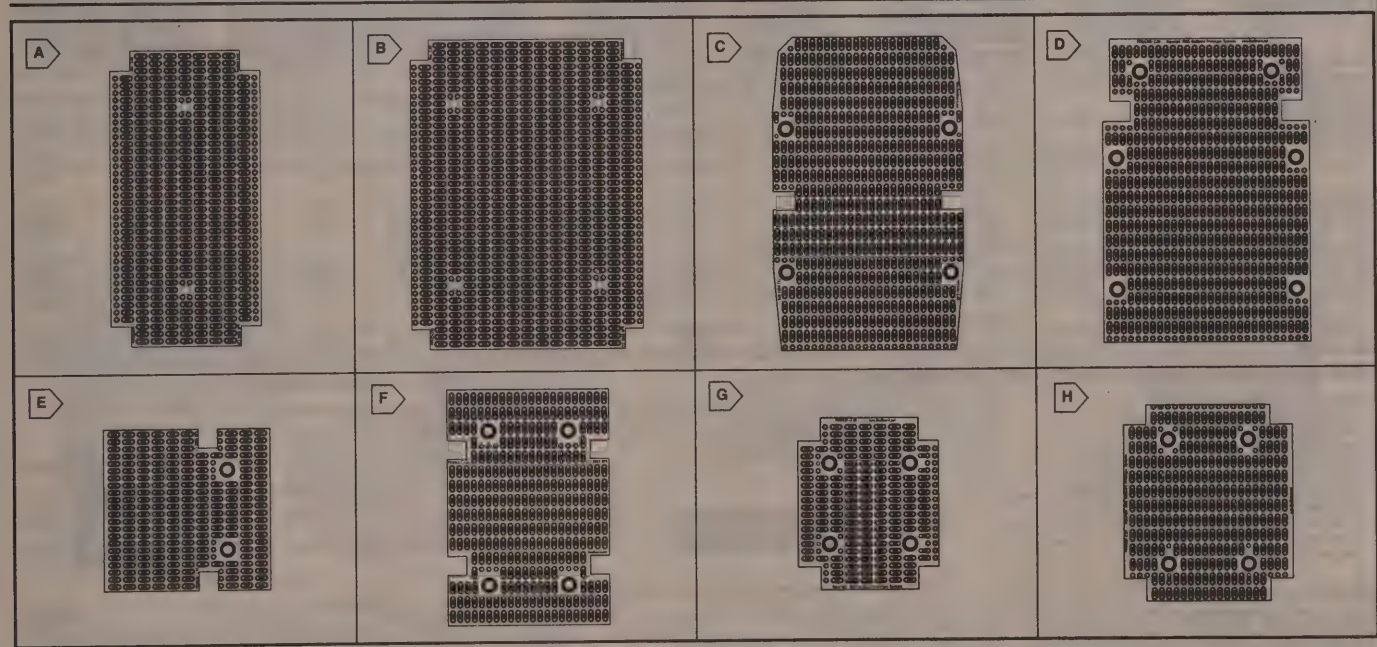
*Actual PCB is larger



PROTOTYPING BOARDS

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	BPS Part No.	Fig.	Description	Size	Recommended Enclosures	Price Each 1	Price Each 10
854-ST6U	ST6U	A	StripBoard-6U, 1 sided, general purpose	6.3 x 9.2 in (160 x 233.4mm)	- - -	25.16	22.64
854-ST3U	ST3U	A	StripBoard-3U, 1 sided, general purpose	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-PR3U	PR3U	B	ProtoBoard-3U, 1 sided, pre-cut strip board	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-PR3UC	PR3UC	B	ProtoBoard-3U-CONN, 1 sided, with connector footprints	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-POW3U	POW3U	C	PowerBoard-3U, 1 sided, with power and ground rails	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-PAD3U	PAD3U	D	PadBoard-3U, 2 sided, with plated holes	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-BB3U	BB3U	E	BusBoard-3U, 1 sided, with soldermask	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-BB3UC	BB3UC	E	BusBoard-3U-CONN, 1 sided, with connector footprints	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-BR1	BR1	F	Solderable Breadboard, 1 sided PCB	1.9 x 7.1 in (47 x 179mm)	- - -	6.50	5.85
854-SP3UT	SP3UT	G	SMTpads-3U-Thin, 2 sided, with unplated holes to ground plane	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-SMT3U	SMT3U	H	SMTboard-3U, 2 sided, with unplated holes to ground plane	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-RF3U	RF3U	H	SMTboard-3U-Thin, 2 sided, with unplated holes to ground plane	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70



PROTOTYPING ENCLOSURE BOARDS

For quantities of 20 and up, call for quote.

Features:

- Designed for the box. No cutting required.
- Two hole ProtoBoard pattern
- One sided lead free etched copper PCB with a flux coating for easy soldering and to preserve solderability
- 4-40 PCB mounting screws provided
- 2, 4 or 6 screws are provided depending on the board

MOUSER STOCK NO.	BPS Part No.	Fig.	Size	Recommended Enclosures	Price Each 1	Price Each 10
854-PR405X205	PR405X205	A	4.05 x 2.05 in. (103 x 53mm)	Hammond 1590B Diecast Aluminum	4.25	3.83
854-PR425X320	PR425X320	B	4.25 x 3.20 in. (108 x 81mm)	Hammond 1590BB Diecast Aluminum	6.00	5.40
854-PR1553B	PR1553B	C	2.8 x 4.3 in. (71 x 108mm)	Hammond 1553B Plastic Soft-sided	7.25	6.53
854-PR1553DB	PR1553DB	D	2.9 x 5.5 in. (74 x 139mm)	Hammond 1553DB Plastic Soft-sided, w/ Battery Compartment	9.00	8.10
854-PR1593K	PR1593K	E	2.3 x 2.3 inches (58 x 58mm)	Hammond 1593K Plastic	4.10	3.69
854-PR1593L	PR1593L	F	3.3 x 2.3 in. (83 x 58mm)	Hammond 1593L Plastic	5.00	4.50
854-PR1593P	PR1593P	G	1.9 x 2.4 in. (49 x 60mm)	Hammond 1593P Plastic with Battery Compartment	4.10	3.69
854-PR1593Q	PR1593Q	H	2.4 x 2.7 in. (62 x 69mm)	Hammond 1593Q Plastic with Battery Compartment	5.00	4.50

GLOBAL SPECIALTIES Prototyping

GLOBAL SPECIALTIES
A DIVISION OF

POWERED BREADBOARDS AND TRAINERS

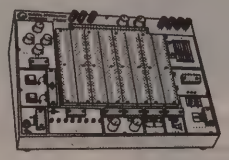
PB203A & PB-204 Powered Protoboards

- Powered Proto-Boards Perfect for Educational Training & Design Applications
- 5 VDC @ 1 AMP output, both models
- Separate + 5.5 VDC & -5.5 to - 18 VDC @ 500 mA output, model PB-203A
- Separate +12 & -12 VDC @ 250 mA output, model PB-204
- Factory Pre-Set Power to +/- 12 VDC, PB-204, +/- 15 VDC, PB-203A
- AC Power Input, NOW both models
- Large Prototyping Area
- Rugged Metal Enclosure
- Lifetime Guarantee Breadboard area & 3-Year Warranty all Electronics

510-PB-203A	104-2040	199.95
510-PB-204	104-2000	144.95

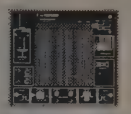
PB-505 Proto-Board® Advanced Design Trainer

- Expanded Removable breadboard area included with Lifetime warranty
- Two open collector pulsers
- Built-in multi-waveform function generator
- Quad voltage power supply: 3 DC & 1 low voltage AC
- Functions with optional electronics trainer boards
- Built-in logic probe with pulse capture
- BCD to 7 segment decoder/display
- 8 channel logic indicators



510-PB-505	Model PB 505	489.95
510-PB-4	Socket Plate	82.00

PB-503 & PB-503C Protoboard Design Workstation



- Unconditional Life-time guarantee on all breadboarding sockets & 3 year warranty on all parts and workmanship
- Ideal for analog, digital and microprocessor circuits
- New high & low buffered logic indicators
- 8 channel logic monitor
- New 8 selectable logic switches
- Function Generator
- Triple output power supply.
- Two Digital Pulsers
- New removable breadboard area and optional additional breadboard socket plates included

510-PB-503	Desktop	319.95
510-PB-503C	Portable	369.95
510-PB-3	Socket Plate	55.00

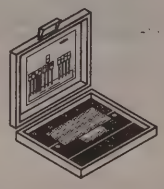
PB-501 Logic Design Trainer

The low cost PB-501 Logic Trainer permits students of digital electronics to make efficient use of valuable laboratory time.

510-PB-501	189.00

PB-500 Analog Circuit Trainer

The PB-500 contains all of the functions required for studying and experimenting with active filters, operational amplifiers and other analog circuitry. The PB-500 is a complete analog training instrument which is compact, lightweight and extremely durable.



510-PB-500	269.00

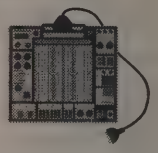
PB-502 Advanced Logic Design Trainer

The PB-502 Advanced Logic Design Trainer permits students to avoid the repetitive building of frequently used circuits. All functions are internally connected to three solderless interconnect sockets with two tie points for each signal.

510-PB-502	289.00

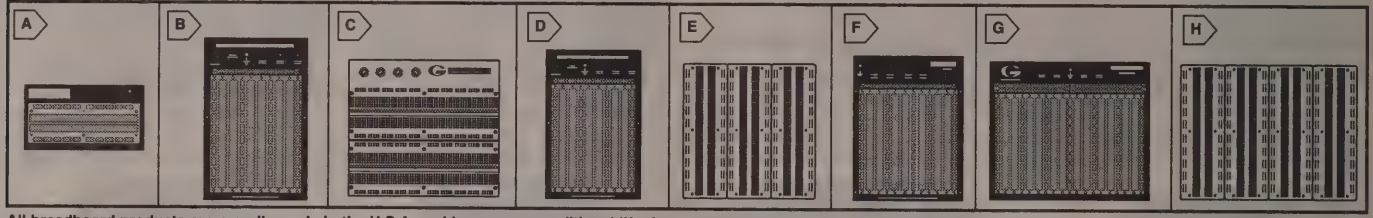
MasterLab

- Multi-waveform function generator
- Quad voltage power supply
- Logic probe with pulse capture
- Square wave pulse generator
- BCD to 7 segment decoder/display
- 8 channel logic indicators
- DC digital voltmeter with four ranges
- 8 selectable logic switches
- Detachable 25-way computer interface



510-PB-506	995.00

UNPOWERED PROTOBOARDS



All breadboard products are proudly made in the U.S.A. and have an unconditional life-time guarantee!

MOUSER STOCK NO.	Global Part No.	Fig.	Sockets	Bus Strips	IC Capacity*	Terminals	Tie Points	Binding Posts	Backplate	Length In. (mm)	Width In. (mm)	Height In. (mm)	Weight Ozs.	Price Each
510-PB-10	104-1000	A	UBS-100	n/a	8	168	840	3	Plastic	7in	4in	1.4in	5oz.	20.95
510-PB-70	104-1070	B	2/QT47S	1/QT35B 3/QT47B	12	252	1260	3	Aluminum	8.5in	5in	1.4in	8oz.	31.00
510-PB-60	104-6000	C	2/UBS-100	n/a	16	336	1680	4	Clear Plexiglass	6.25in	6.5in	1.4in	12oz.	46.00
510-PB-103	104-1030	D	3/QT59S	1/QT47B 4/QT59B	24	450	2250	4	Aluminum	9in	6in	1.4in	21oz.	49.95
510-PB-3	325-1402	E	3/UBS-100	n/a	24	504	2520	n/a	Clear Plexiglass	6.5in	6.25in	0.5in	12oz.	55.00
510-PB-104	104-1040	F	4/QT59S	7/QT59B	32	612	3060	4	Aluminum	9.8in	8in	1.4in	29oz.	74.95
510-PB-105	104-1050	G	6/QT59S	4/QT47B 7/QT59B	48	912	4560	5	Aluminum	9.2in	11.4in	1.4in	29oz.	99.95
510-PB-4	325-1448	H	4/UBS-100	n/a	32	672	3360	n/a	Aluminum	8.75in	6.25in	0.5in	1.1lbs.	82.00

BREADBOARDS AND QUICK TEST SOCKETS

- Maximum Circuit Design Flexibility
- Solderless socket and bus strips
- Molded-in mounting holes
- Heavy duty mylar backing prevents short circuits
- Accepts all components with leads up to .033 inches
- Conductive spring clips inside breadboard grab component leads and connecting wires, AWG #22-30, securely
- Parts plug-in/pull-out without soldering or damage
- Patented tab/keyway features for simple interlocking of several breadboards into larger, more versatile arrays (QT sockets)
- Standard 0.1-by-0.1 inch contact grid
- Nickel silver alloy pins are pre-stressed, spring loaded and noncorrosive for longer term reliability
- Molded in rugged thermoplastic for durability and high temperature application

Lifetime Warranty on all Protoboards and Breadboards

Solderless Breadboards

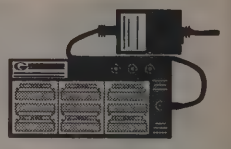
MOUSER STOCK NO.	Global Part No.	Center	Strip Length	Strip Width	Tie Points	Term Clips	IC Qty.	Price Each
510-UBS-100	103-1100	0.3in	6.5in	2.2in	840	168	8 (14-pin	10.95
510-103-1300	103-1300	0.3in	6.0 in	2.1 in	550	110	6 (14-pin)	7.95
510-EXP-350	103-1350	0.3in	3.6 in	2.1 in	270	54	3 (14-pin)	5.95

Quick Test Sockets

MOUSER STOCK NO.	Global Part No.	Mount Dimen.	Strip Length	Strip Width	Tie Points	Term Clips	IC Qty.	Price Each
510-QT-59S	101-1059	6.2 in	6.5 in	1.32 in	590	118	8	8.95
510-QT-59B	102-1059	6.2 in	6.5 in	.36 in	100	20	N/A	4.50
510-QT-47S	101-1047	1.0 in	5.3 in	1.32 in	470	94	6	6.85
510-QT-47B	102-1047	5.0 in	5.3 in	.36 in	80	16	N/A	3.95
510-QT-35S	101-1035	3.8 in	4.1 in	1.32 in	350	70	5	5.50
510-QT-35B	102-1035	3.8 in	4.1 in	.36 in	60	12	N/A	3.50

PRO-S LAB STATION

- The Pro-S Lab Station includes solderless breadboard
- DC power pack power supply rated +5VDC @ 1A, +12VDC @ 250mA, -12VDC @ 250mA
- A power connector to connect power supply to breadboard
- Jumper wires, 25 precut pieces of color-coded, 22AWG, insulated solid hook-up wire.



510-104-7000	$79.95

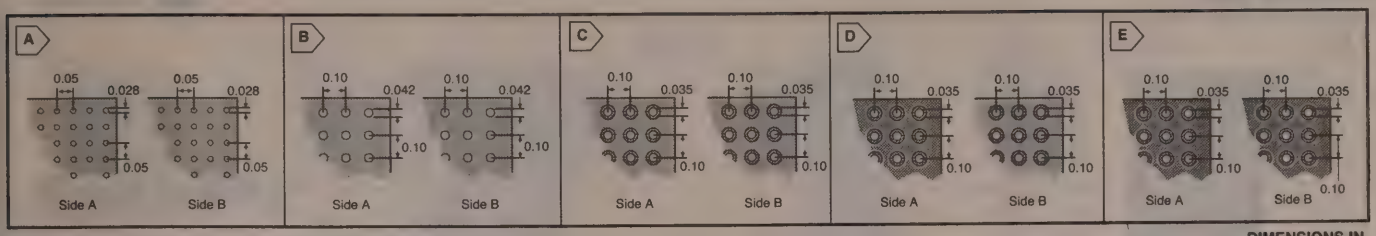
WIRE KIT

- Contains pre-cut/pre-stripped/ pre-formed AWG#22 insulated solid hookup wire
- 25 pieces each of 14 color-coded lengths - 0.1 through 5.0 inches
- Compartmental plastic case

510-WK-1	$19.95

TWIN INDUSTRIES Prototyping Boards

TWIN INDUSTRIES



DIMENSIONS IN.

GENERAL PURPOSE PROTOTYPING BOARDS

Specifications:
- FR4 Material
- Hole Size: 7050 Series = 0.028" / 7100 Series = 0.042" / 8000-8200 Series = 0.035" (Plated)

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Twin Industries Part No.	Figure	Description	Board Size	Price Each	
					1	10
589-7050-100	7050-100	A	Plated holes on a .05" grid and 4" x 8" of plated holes on a .10" grid	8" x 8"	58.00	53.99
589-7100-062-4565	7100-062-4565	B	0.1" x 0.1" grid of non-plated .062" through holes	4.5" x 6.5"	7.50	6.99
589-7100-062-4585	7100-062-4585	B	0.1" x 0.1" grid of non-plated .062" through holes	4.5" x 8.5"	11.25	10.47
589-7100-45	7100-45	B	0.1" x 0.1" grid of non-plated through holes	4" x 5"	4.50	4.19
589-7100-410	7100-410	B	0.1" x 0.1" grid of non-plated through holes	4" x 10"	9.00	8.38
589-7100-1010	7100-1010	B	0.1" x 0.1" grid of non-plated through holes	10 " x 10"	22.50	20.95
589-7100-1020	7100-1020	B	0.1" x 0.1" grid of non-plated through holes	10" x 20"	45.00	41.90
589-7100-4565	7100-4565	B	0.1" x 0.1" grid of non-plated through holes	4.5" x 6.5"	7.50	6.99
589-8000-2MM-3U	8000-2mm-3U	C	2mm x 2mm grid of plated through holes, no plane	100mm x 160mm	22.50	20.95
589-8000-45	8000-45	C	0.1" x 0.1" grid of non-committed plated through holes, no plane	4" x 5"	11.80	10.98
589-8000-410	8000-410	C	0.1" x 0.1" grid of non-committed plated through holes, no plane	4" x 10"	23.60	21.97
589-8000-1010	8000-1010	C	0.1" x 0.1" grid of non-committed plated through holes, no plane	10" x 10"	59.00	54.93
589-8000-1020	8000-1020	C	0.1" x 0.1" grid of non-committed plated through holes, no plane	10" x 20"	118.00	109.85
589-8000-4565	8000-4565	C	0.1" x 0.1" grid of non-committed plated through holes, no plane	4.5" x 6.5"	19.67	18.31
589-8100-45	8100-45	D	0.1" x 0.1" grid of non-committed plated through holes, one plane	4" x 5"	11.80	10.98
589-8100-410	8100-410	D	0.1" x 0.1" grid of non-committed plated through holes, one plane	4" x 10"	23.60	21.97
589-8100-1010	8100-1010	D	0.1" x 0.1" grid of non-committed plated through holes, one plane	10" x 10"	59.00	54.93
589-8100-1020	8100-1020	D	0.1" x 0.1" grid of non-committed plated through holes, one plane	10" x 20"	118.00	109.85
589-8100-4565	8100-4565	D	0.1" x 0.1" grid of non-committed plated through holes, one plane	4.5" x 6.5"	19.67	18.31
589-8200-45	8200-45	E	0.1" x 0.1" grid of plated through holes, two planes	4" x 5"	11.80	10.98
589-8200-410	8200-410	E	0.1" x 0.1" grid of plated through holes, two planes	4" x 10"	23.60	21.97
589-8200-1010	8200-1010	E	0.1" x 0.1" grid of plated through holes, two planes	10" x 10"	59.00	54.93
589-8200-1020	8200-1020	E	0.1" x 0.1" grid of plated through holes, two planes	10" x 20"	118.00	109.85
589-8200-4565	8200-4565	E	0.1" x 0.1" grid of plated through holes, two planes	4.5" x 6.5"	19.67	18.31

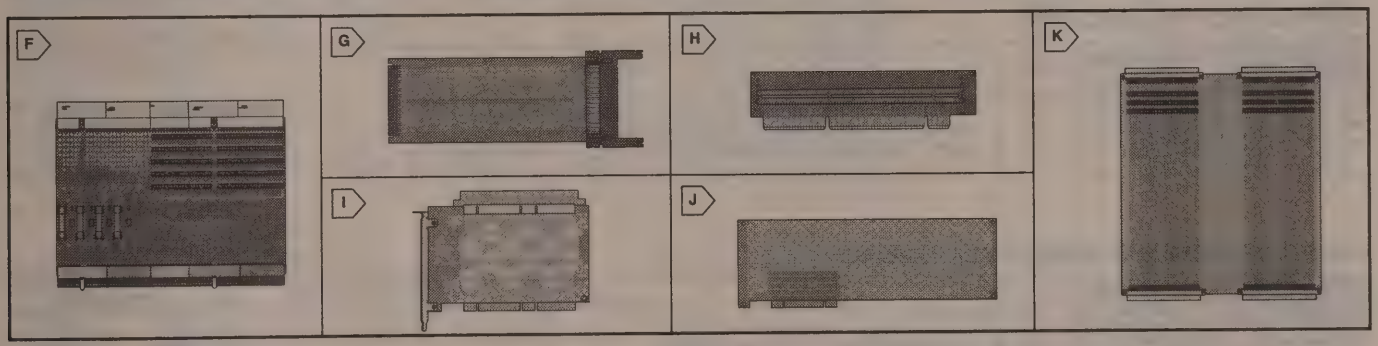
LEAD FREE GENERAL PURPOSE PROTOTYPING BOARDS

Pb LEAD-FREE

NEW FROM SUPPLIER

Specifications:
- FR4 Material
- Hole Size: 0.035" (Plated)
- Gold Plating over Copper

589-8000-410-LF	8000-410-LF	C	0.1" x 0.1" grid of non-committed plated through holes, no plane	4" x 10"	25.50	23.06
589-8000-45-LF	8000-45-LF	C	0.1" x 0.1" grid of non-committed plated through holes, no plane	4" x 5"	12.75	11.53
589-8100-45-LF	8100-45-LF	D	0.1" x 0.1" grid of non-committed plated through holes, one plane	4" x 5"	12.75	11.53
589-8200-45-LF	8200-45-LF	E	0.1" x 0.1" grid of plated through holes, two planes	4" x 5"	12.75	11.53



EXTENDER CARDS

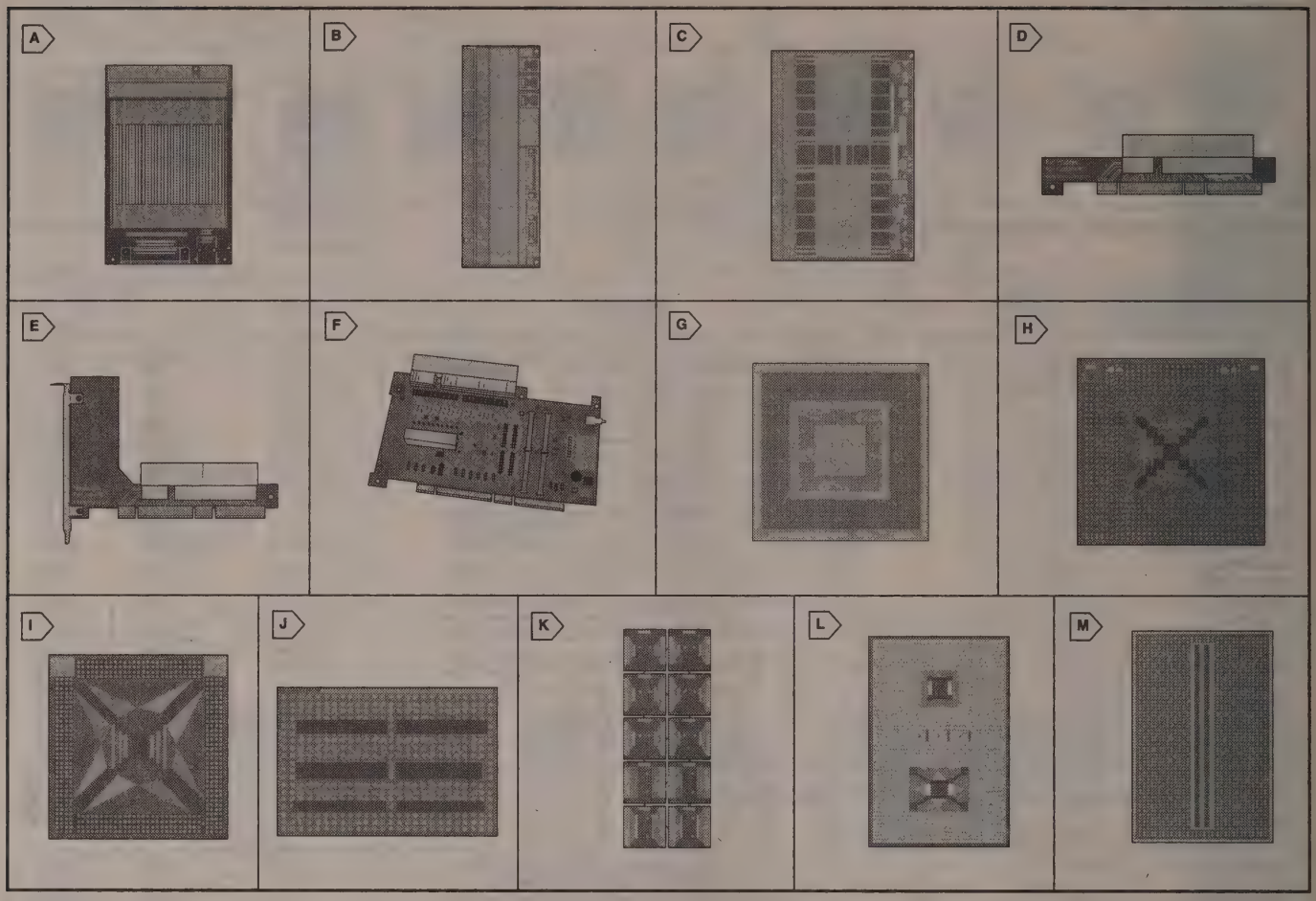
Specifications:
- Multi-Layer Design
- Connectors support full shielding to maintain full Compact PCI compliance

For quantities of 20 and up, call for quote.

589-2000-EXTM	2000-EXTM	F	3U CompactPCI extender supports both 32 and 64 bit transfers	-	249.00	244.00
589-2000-6U-EXTM	2000-6U-EXTM	F	6U CompactPCI extender supports both 32 and 64 bit transfers	-	499.00	474.05
589-2500-EXTM	2500-EXTM	-	Passive PMC extender card with J/P 1-4 connectors	-	398.00	378.10
589-3300-EXTM	3300-EXTM	G	Four layer PCMCIA extender card with internal VCC and ground	2.125" x 6.35"	118.00	112.93
589-7098-EXT	7098-EXT	-	ISA two layer extender card	6.7" x 5.0"	58.00	53.99
589-7564-LAEXTM	7564-LAEXTM	H	Left Angle 64 bit PCI extender (Riser Card) For 3.3 volt systems	-	70.00	66.50
589-7564-UEXTM	7564-UEXTM	I	64 Bit four layer PCI ext card with internal VCC and ground planes	4.2" x 6.9"	158.00	137.75
589-7586-5100	7586-5100	J	PCI 32 bit board with an uncommitted area of 11.2" x 3.7" on a 0.1" grid of plated through holes	12.2" x 3.9"	68.00	63.31
589-7586-5EXTM	7586-5EXTM	J	32 Bit four layer PCI ext card with internal VCC and ground planes	5.1" x 3.9"	158.00	137.75
589-7586-EXT	7586-EXT	J	32 Bit two layer PCI extender card	5.1" x 3.9"	78.00	72.62
589-7586-LAEXTM	7586-LAEXTM	J	Left Angle 32 Bit PCI extender	4.2" x 1.4"	70.00	66.50
589-7586-MINI	7586-MINI	J	32 Bit two layer PCI extender card with gold fingers	5.1" x 1.5"	40.00	33.35
589-7586-RAEXTM	7586-RAEXTM	J	Right Angle 32 bit PCI extender	5.1" x 1.25"	70.00	66.50
589-8196-6U-EXT	8196-6U-EXT	K	Two layer VME Extender card with dual row headers, jumper signal	9.2" x 9.625"	125.00	123.25
589-8196-EXT	8196-EXT	K	96 pin VME extender card.	5.0" x 3.9"	58.00	53.99

TWIN INDUSTRIES Prototyping Boards

TWIN INDUSTRIES



COMPACT PCI PROTOBOARDS

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Twin Industries Part No.	Figure	Description	Price Each	
				1	10
589-2000-50	2000-50	A	3U Compact PCI; bus bars and noncommitted holes on 0.1" x 0.1" grid	78.00	72.62
589-2000-80	2000-80	B	6U, 80mm Compact PCI rear I/O; bus bars and noncommitted holes on 0.1" x 0.1" grid	88.00	83.60
589-2000-100	2000-100	C	6U form factor Compact PCI; uncommitted area of 0.1" x 0.1" plated through holes	149.00	143.55

ADAPTERS AND DEVELOPMENT PLATFORMS

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Twin Industries Part No.	Figure	Description	Price Each	
				1	10
589-2000-64PCI	2000-64PCI	D	3U Compact PCI to 64 bit PCI passive adapter	145.00	143.55
589-2002-64PCI	2002-64PCI	E	3U Compact PCI to 64 bit PCI passive adapter with full size bracket	165.00	162.40
589-XTEND1000	XTEND1000	F	Compact PCI and PMC module development platform; 64 bit PCI system installation	299.00	288.55

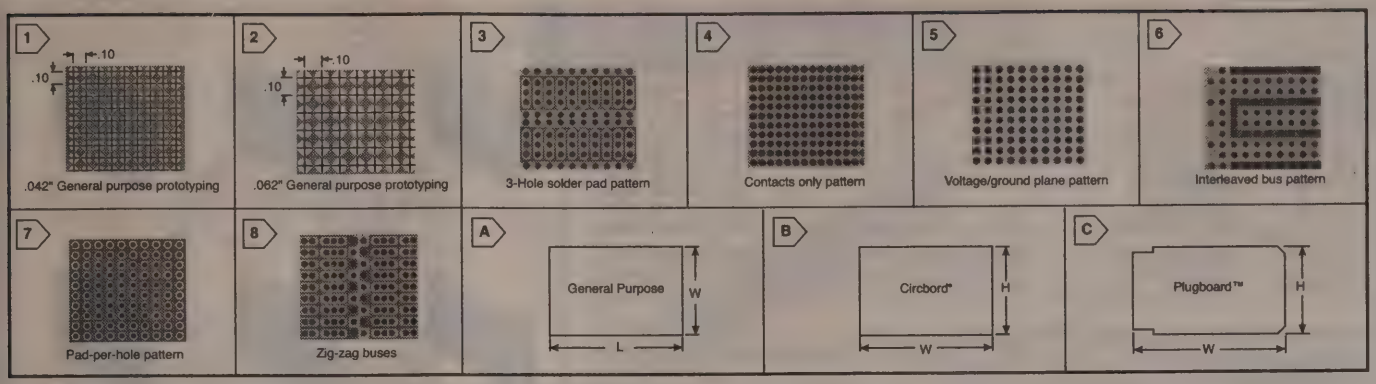
SMT AND BGA ADAPTERS

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Twin Industries Part No.	Figure	Description	Board Size	Price Each	
					1	10
589-BGA-256-1MM	BGA-256-1mm	G	Surface Mount BGA adapter, dedicated plated through holes, 1mm pitch	-	68.00	63.31
589-BGA-256-1.27MM	BGA-256-1.27mm	G	Surface Mount BGA adapter, dedicated plated through holes, 1.27mm pitch	-	68.00	63.31
589-8100-SMT3	8100-SMT3	-	For PLCC package's 20, 28, 44, 64, and 84 pin & socket families	6.0" x 6.0"	45.00	41.90
589-8100-SMT4	8100-SMT4	-	For SOIC medium, wide, metric, and plastic miniflat packages	6.0" x 4.0"	28.00	26.07
589-8100-SMT6	8100-SMT6	H	For QFP packages 160, 100, and 44	4.2" x 4.2"	34.00	33.35
589-8100-SMT7	8100-SMT7	I	For QFP, TQFP, and SQFP packages 240, 208, 144, 128, and 100	4.2" x 4.2"	34.00	33.35
589-8100-SMT8	8100-SMT8	J	For SOIC medium, tiny, metric, and plastic miniflat packages	6.0" x 4.0"	34.00	33.35
589-8100-SMT9	8100-SMT9	K	For TSOP 40, 48, and 56, PSOP 44 and SSOP 56	7.9" x 3.1"	78.00	72.62
589-8100-SMT10	8100-SMT10	L	For TSSOP packages, 0.50mm pitch, Ground plane on rear side	6.0" x 4.0"	34.00	33.35
589-8100-SMT11	8100-SMT11	M	For 80 pin QFP packages. 0.50mm pitch, Ground plane on rear side	6.0" x 4.0"	34.00	33.35

VECTOR Prototyping Boards

VECTOR ELECTRONICS & TECHNOLOGY COMPANY



VECTORBORD® GENERAL PURPOSE PUNCH BOARDS

- .062" thickness
- .100" Grid
- Material: FR2 Phenolic, FR4 epoxy glass or CEM-1 epoxy glass composite

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Dimensions (In.) W	Dimensions (In.) L	Material	Price Each 1	Price Each 10	Price Each 25
574-64P44WE	64P44WE	A1	4.5	6.5	FR4	6.06	5.63	4.93
574-64P44XXXP	64P44XXXP	A1	4.5	6.5	FR2	6.10	5.66	4.96
574-64P44	64P44	A1	4.5	6.5	CEM-1	6.06	5.63	4.93
574-84P44WE	84P44WE	A1	4.5	8.5	FR4	9.58	8.88	7.77
574-169P44C1	169P44C1	A1	4.5	17.0	CEM-1, 1 oz. unplated copper, 1 side	19.64	18.22	15.95
574-169P44	169P44	A1	4.5	17.0	CEM-1	10.54	9.78	8.55
574-169P44XXXP	169P44XXXP	A1	4.5	17.0	FR2	11.26	10.45	9.14
574-169P44WE	169P44WE	A1	4.5	17.0	FR4	16.17	15.01	13.13
574-169P44WEC1	169P44WEC1	A1	4.5	17.0	FR4, 1 oz. unplated copper, 1 side	15.79	14.66	12.82
574-169P59032	169P59-032	A1	6.0	17.0	FR4	16.15	14.99	13.12
574-169P59047	169P59047	A1	6.0	17.0	FR4	15.79	14.66	12.82
574-169P59XXXP	169P59XXXP	A1	6.0	17.0	FR2	12.53	11.63	10.18
574-169P79WE	169P79WE	A1	8.0	17.0	FR4	25.04	23.23	20.33
574-169P84	169P84	A1	8.5	17.0	CEM-1	27.57	25.58	22.39
574-169P84C1	169P84C1	A1	8.5	17.0	CEM-1, 1 oz. unplated copper, 1 side	31.97	29.66	25.96
574-169P84WE	169P84WE	A1	8.5	17.0	FR4	22.90	21.25	18.59
574-169P84WEC1	169P84WEC1	A1	8.5	17.0	FR4, 1 oz. unplated copper, 1 side	27.19	25.23	22.08
574-169P99	169P99	A1	10.0	17.0	CEM-1	33.78	31.34	27.43
574-85H48WE	85H48WE	A2	4.8	8.5	FR4	12.76	11.84	10.36
574-170H48WE	170H48WE	A2	4.8	17.0	FR4	23.93	22.21	19.43
574-170H85WE	170H85WE	A2	8.5	17.0	FR4	36.73	34.08	29.82

VECTORBORD® CIRCBORD® PRINTED CIRCUIT PROTOTYPING BOARDS

- All bus and circuit patterns are solder-coated
- .042 hole diameter
- .062" thickness
- .100" Grid
- Material: FR4 epoxy glass or CEM-1 epoxy glass composite
- Wire Wrap Terminals: T44, T46, T49, T68
- Wire Wrap Socket Pin: R32

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Dimensions (In.) W	Dimensions (In.) H	16 Pin DIP	Material	Description	Solder Terminals	Wire Wrap Socket Pin	Price Each 1	Price Each 10
574-8001	8001	B3	6.5	4.5	20	CEM-1	3-Hole Solder Pad single-sided	T42-1,K24C,K31C	R32	23.48	21.79
574-8002	8002	B6	6.5	4.5	36	CEM-1	Interleaved Buses singled sided	T42-1	R32	26.03	24.16
574-8003	8003	B7	6.5	4.5	60	CEM-1	Pad Per Hole single-sided	T42-1	R32	22.34	20.74
574-8004	8004	B5	6.5	4.5	50	CEM-1	Ground Plane single-sided	T42-1	R32	24.62	22.85
574-8007	8007	B7	6.5	4.5	60	CEM-1	Pad Per Hole & Ground Plane	T42-1	R32	25.02	23.22
574-3677-6	3677-6	B3	8.1	4.5	21	CEM-1	3-Hole Solder Pad single-sided	T42-1	R32	18.09	16.78
574-45P80-1	45P80-1	B7	8.1	4.5	80	CEM-1	Pad Per Hole 2 sides	T42-1	R32	27.30	25.33
574-8010	8010	B7	4.0	12.9	124	FR4	Pad Per Hole 2 sides	T42-1	R32	40.88	39.42
574-8006	8006	B7	13.3	5.0	154	FR4	Pad Per Hole copper plated-thru holes	T42-1	R32	43.18	40.06
574-8012	8012	B7	11.0	9.2	283	FR4	Pad Per Hole plated-thru holes	T42-1	R32	64.74	60.08
574-106P106-1	106P106-1	B7	10.6	10.6	275	CEM-1	Pad Per Hole and Ground Plane 2 sides	T42-1	R32	54.31	50.40

Eurocard Size Circbords

- 0.6mm hole diameter (Combo hole diameter 0.6mm & .042"
- 1.575mm thickness
- Material: FR4 Epoxy glass

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Dimensions (mm) W	Dimensions (mm) H	Grid	Description	Price Each 1	Price Each 10
574-8017	8017	B7	100	160	2mm	Pad Per Hole plated thru-holes	15.75	14.00
574-8018	8018	B7	100	160	2mm & 0.100"	Pad Per Hole and 2mm Combo	15.73	13.98
574-8019	8019	B1	100	160	.100"	38 Tracks/64 Holes Per Track	19.30	17.15
574-8020	8020	B7	100	160	1mm	Ground Plane copper plated-thru holes	30.60	27.20
574-8021	8021	B7	100	160	.05"	Pad Per Hole plated thru-holes	27.00	24.00

VECTORBORD® PLUGBORDS

- All bus and circuit patterns are solder-coated
- .042 hole diameter
- .062" thickness
- .100" Grid
- Material: FR4 epoxy glass or CEM-1 epoxy glass composite
- Wire Wrap Terminals: T44, T46, T49, T68
- Wire Wrap Socket Pin: R32

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Dimensions (In.) W	Dimensions (In.) H	16 Pin DIP	Material	Description	Extender	Recommended Card Cage	Price Each 1	Price Each 10
30 Contacts-.156" Spacing											
574-3797-2	3797-2	C3	4.5	2.73	4	CEM-1	3-Hole Solder Pad	3690-10	CCK 12 Series	18.66	17.33
574-3662-5	3662-5	C4	4.5	4.5	40	CEM-1	Plated Contacts Only	3690	CCK 13 Series	17.72	16.45
44 Contacts-.156" Spacing											
574-3662	3662	C4	6.5	4.5	50	CEM-1	Plated Contacts Only	3690	CCK 13 Series	21.07	19.55
574-3662A6	3662A6	C5	6.5	4.5	90	CEM-1	Ground Plane single sided	3690	CCK 13 Series	34.22	31.76
574-3662-9	3662-9	C7	6.5	4.5	48	FR4	Pad Per Hold Voltage & Ground Plane 2 sides	3690	CCK 13 Series	41.11	38.16
574-3677-2	3677-2	C3	6.5	4.5	12	CEM-1	3-Hole Solder Pad single-sided	3690	CCK 13 Series	24.13	22.40
574-4112	4112	C3	9.6	4.5	40	FR4	3-Hole Solder Pad Zig-Zag Bus Pattern	3690-10	CCK 13 Series	38.85	36.05
574-4112-4	4112-4	C8	6.5	4.5	25	CEM-1	3-Hole Solder Pad/Overall Ground Plane	3690	CCK 13 Series	30.96	28.74
574-3677	3677	C3	9.6	4.5	21	CEM-1	3-Hole Solder Pad single-sided	3690	CCK 14 Series	27.19	25.23
72 Contacts-.100" Spacing											
574-3719-1	3719-1	C4	6.5	4.5	50	CEM-1	Contacts Only	3690-4	CCK 13 Series	24.39	22.62
574-3719-4	3719-4	C4	9.6	4.5	90	CEM-1	Contacts Only	3690-4	CCK 14 Series	27.19	25.23

VECTOR Extender Cards and Prototype Accessories

VECTOR ELECTRONICS & TECHNOLOGY COMPANY
A Pine Technology Group

VECTORBORD® GENERAL PURPOSE EXTENDER CARDS

- Low insertion force
- Gold-plated contacts
- Current Rating: 5 amps @ 10°F rise
- Voltage Rating: 200 RMS or 300 VDC

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Extension Length (In.)	Description		Price Each	
				Contacts	Spacing	1	10
574-3690	3690	A	6.5	22 each side	.156"	37.80	33.60
574-3690-2	3690-2	B	11	36 each side	.100"	67.73	60.21
574-3690-6	3690-6	C	11	22 each side	.156"	50.65	45.02
574-3690-8	3690-8	D	5.5	22 each side	.100"	37.80	33.60
574-3690-12	3690-12	E	7.5	50 each side	.125"	71.98	63.98
574-3690-16	3690-16	F	6.5	28 each side	.125"	44.91	39.92
Bus Extenders							
574-3690-18	3690-18	G	7.5	Multibus, 30/43 contacts ea. side	.100"	111.53	99.14
574-3690-22	3690-22	H	5.7	IBM PC,XT, 31 contacts ea. side	.100"	72.95	64.85
574-3690-26	3960-26	I	5.6	IBM AT-ISA, 18/31 contacts ea. side	.100"	71.98	63.98

VECTORBORD® METRIC EXTENDER CARDS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Extension Length (In.)	Description	Price Each	
					1	10
574-VMEE-M	VMEE-M	J	12.2	VME J1, J2, 6U width	315.00	280.00
574-VMEE-J1	VMEE-J1	K	12.2	VME J1 only, 3U width	215.98	191.98
574-VMEE-6UX160MM	VMEE-6UX160MM	L	10.0	VME J1, J2 monolithic, 6U width	225.00	200.00
574-UEB220-3U	UEB220-3U	J	12.2	DIN UNCOMMITTED 3U	344.57	306.29
574-UEB220-6U	UEB220-6U	K	12.2	DIN UNCOMMITTED 6U	472.50	420.00

PROTOTYPING ACCESSORIES

Pins and Terminals

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Description	Package Quantity	Price Each
Press-In Terminals for .042" Holes			**Insertion Tool: 574-P133A**		
574-T46-2-9/M	T46-2-9/M	M	A=.36", B=.42"	1000	74.66
574-T46-3-9/C	T46-3-9/C	M	A=.46", B=.60"	100	12.94
574-T46-3-9/M	T46-3-9/M	M	A=.46", B=.60"	1000	.62
574-T46-4-9/C	T46-4-9/C	M	A=.04", B=.42"	100	8.15
574-T46-4-9/M	T46-4-9/M	M	A=.04", B=.42"	1000	81.38
574-T46-5-9/M	T46-5-9/M	M	A=.28", B=.60"	1000	82.10
Bifurcated Miniwrap Terminals for .042" Holes			**Insertion Tool: 574-A13 or 574-A13-1**		
574-T44/C	T44/C	N	Max. .021" leads or 24 awg wires	100	9.00
574-T44/M	T44/M	N	Max. .021" leads or 24 awg wires	1000	51.79
574-T68/C	T68/C	O	Max. .032" leads or 20 awg wires	100	8.35
574-T68/M	T68/M	O	Max. .032" leads or 20 awg wires	1000	49.17
Trifurcated Klipwrap Terminals for .042" Holes			**Insertion Tool: 574-P156**		
574-T49/C	T49/C	P	Wirewrap tail with 3-prong receptacle	100	12.53
574-T49/M	T49/M	P	Wirewrap tail with 3-prong receptacle	1000	110.59
Press-In Pins for .042" Holes			**Insertion Tool: 574-P133A**		
574-K24A/M	K24A/M	Q	A=.255", B=.375", gold plated	1000	96.17
574-K24C/M	K24C/M	Q	A=.255", B=.375", tin plated	1000	51.71
574-K30C/M	K30C/M	R	A=.255", B=.305", tin plated	1000	49.91
574-K31C/M	K31C/M	R	A=.160", B=.195", tin plated	1000	36.21
Push-In Terminals for .042" Holes			**Insertion Tool: 574-P149 or 574-P149A**		
574-T42-1/C	T42-1/C	S	Horizontal slot holds up to 7 wires	100	8.31
574-T42-1/M	T42-1/M	S	Horizontal slot holds up to 7 wires	1000	39.90
Push-In Terminals for .062" Holes			**Insertion Tool: 574-P91A**		
574-T28/C	T28/C	T	Vertical slot holds .025" leads/22 awg wires	100	8.54
574-T28/M	T28/M	T	Vertical slot holds .025" leads/22 awg wires	1000	45.58
Wire-wrap Socket Pins for .062" Holes			**Insertion Tool: 574-P158**		
574-R32/C	R32/C	U	Pressfit mounting, 4-finger contacts	100	30.61
574-R32/M	R32/M	U	Pressfit mounting, 4-finger contacts	1000	224.12

Insertion Tools for Pins and Terminals

MOUSER STOCK NO.	Vector Part No.	For Use With	Price Each
574-P133A	P133A	Press-In Terminals and Pins for .042" Holes	58.61
574-A13	A13	Bifurcated Miniwrap Terminals for .042" Holes	20.96
574-A13-1	A13-1	Bifurcated Miniwrap Terminals for .042" Holes	22.29
574-P156	P156	Trifurcated Klipwrap Terminals for .042" Holes	57.58
574-P149	P149	Push-In Terminals for .042" Holes	27.99
574-P149A	P149A	Push-In Terminals for .042" Holes	31.34
574-P91A	P91A	Push-In Terminals for .062" Holes	70.25
574-P158	P158	Wire-wrap Socket Pins for .062" Holes	100.00

TEFZEL INSULATED SILVER PLATED WIRE

This wire is designed to be used with wire wrap terminals. Spool diameter is 1 inch.

•Two 50' Spools Per Pkg.

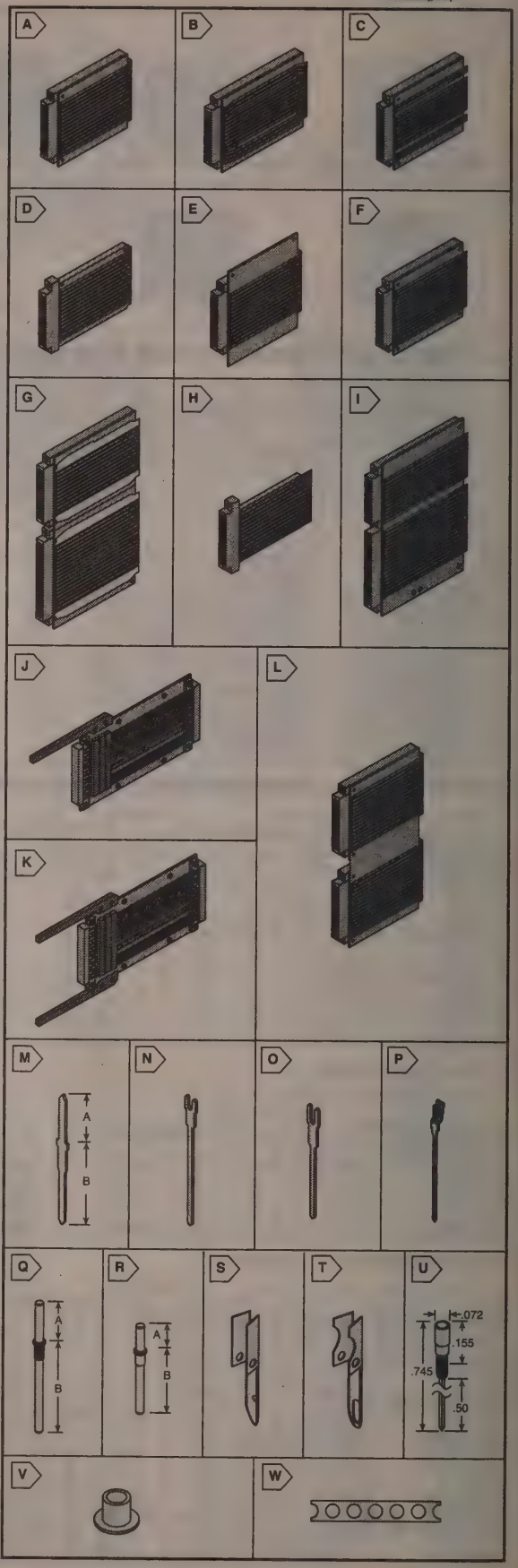
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	AWG	Color	Price Per Pkg.
574-W28-6A	W28-6A	28	Green	17.34
574-W28-6B	W28-6B	28	Red	17.34
574-W28-6D	W28-6D	28	Blue	17.25
574-W28-6E	W28-6E	28	White	18.19
574-W28-6F	W28-6F	28	Yellow	16.44
574-W28-6H	W28-6H	28	Black	17.34

SOLDER EYELETS AND BUS STRIPS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Description	Package Quantity	Price Per Pkg.
574-T123/500	T123/500	V	Solder eyelets for .055" holes	500	28.46
574-T107/C	T107/C	W	.08"x 14" solder-coated bus strips	100	84.81



MOUSER a tti company

RoHS Compliant Prototype Kits

Environmental Commitment

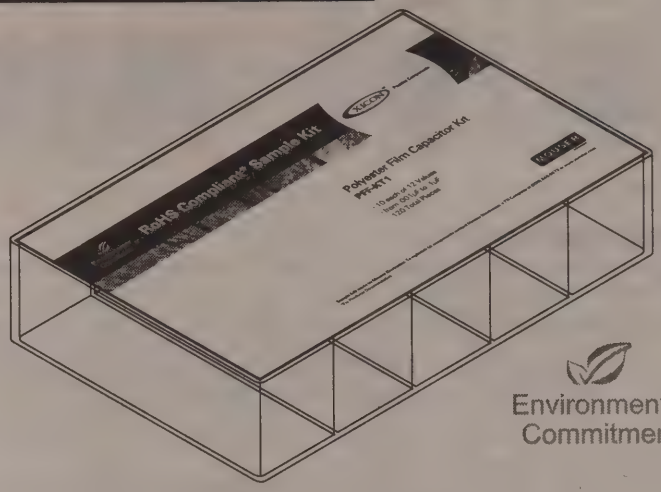
RoHS Compliant* Sample Kits

new!

Introducing Mouser's RoHS Compliant* Sample Kits

Once again, Mouser is the first distributor to offer its customers the latest and greatest NEW parts and NEW technologies!

*Per Producer Documentation.



Environmental Commitment

SMD THICK FILM RESISTORS

MOUSER STOCK NO.	Type	Case Size	Range	Pieces of Each Value	Description	Price Each
370-0603J-RC	1/16W, 5%	0603	0-10M	100	0, 1, 1.1, 1.2, 1.3, 1.5, 1.6, 1.8, 2, 2.2, 2.4, 2.7, 3, 3.3, 3.6, 3.9, 4.3, 4.7, 5.1, 5.6, 6.2, 6.8, 7.5, 8.2, 9.1, 10, 11, 12, 13, 15, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 43, 47, 51, 56, 62, 68, 75, 82, 91, 100, 110, 120, 130, 150, 160, 180, 200, 220, 240, 270, 300, 330, 360, 390, 430, 470, 510, 560, 620, 680, 750, 820, 910, 1.1k, 1.2k, 1.3k, 1.5k, 1.6k, 1.8k, 2k, 2.2k, 2.4k, 2.7k, 3k, 3k, 3.3k, 3.6k, 3.9k, 4.3k, 4.7k, 5.1k, 5.6k, 6.2k, 6.8k, 7.5k, 8.2k, 9.1k, 10k, 11k, 12k, 13k, 15k, 16k, 18k, 20k, 22k, 24k, 27k, 30k, 33k, 36k, 39k, 43k, 47k, 51k, 56k, 62k, 68k, 75k, 82k, 91k, 100k, 110k, 120k, 130k, 150k, 160k, 180k, 200k, 220k, 240k, 270k, 300k, 330k, 360k, 390k, 430k, 470k, 510k, 560k, 620k, 680k, 750k, 820k, 910k, 1M, 1.1M, 1.2M, 1.3M, 1.5M, 1.6M, 1.8M, 2M, 2.2M, 2.4M, 2.7M, 3M, 3.3M, 3.6M, 3.9M, 4.3M, 4.7M, 5.1M, 5.6M, 6.2M, 6.8M, 7.5M, 8.2M, 9.1M, 10M	189.95
370-260-1-RC	1/10W, 5%	0805	10-2M	100	10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820, 1k, 1.2k, 1.5k, 1.8k, 2.2k, 2.7k, 3.3k, 3.9k, 4.7k, 5.6k, 6.8k, 8.2k, 10k, 12k, 15k, 18k, 22k, 27k, 33k, 39k, 47k, 56k, 68k, 82k, 100k, 120k, 150k, 180k, 220k, 270k, 330k, 390k, 470k, 560k, 680k, 820k, 1M, 2M	174.95
370-260-2-RC	1/10W, 5%	0805	11-1.5M	100	11, 13, 16, 20, 24, 30, 36, 43, 51, 62, 75, 91, 110, 130, 160, 200, 240, 300, 360, 430, 510, 620, 750, 910, 1.1k, 1.3k, 1.6k, 2k, 2.4k, 3k, 3.6k, 4.3k, 5.1k, 6.2k, 7.5k, 9.1k, 11k, 13k, 16k, 20k, 24k, 30k, 36k, 43k, 51k, 62k, 75k, 91k, 110k, 130k, 160k, 200k, 240k, 300k, 360k, 430k, 510k, 620k, 750k, 910k, 1.5M	174.95
370-263-1-RC	1/8W, 5%	1206	10-2M	100	10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820, 1k, 1.2k, 1.5k, 1.8k, 2.2k, 2.7k, 3.3k, 3.9k, 4.7k, 5.6k, 6.8k, 8.2k, 10k, 12k, 15k, 18k, 22k, 27k, 33k, 39k, 47k, 56k, 68k, 82k, 100k, 120k, 150k, 180k, 220k, 270k, 330k, 390k, 470k, 560k, 680k, 820k, 1M, 2M	164.95
370-263-2-RC	1/8W, 5%	1206	11-1.5M	100	11, 13, 16, 20, 24, 30, 36, 43, 51, 62, 75, 91, 110, 130, 160, 200, 240, 300, 360, 430, 510, 620, 750, 910, 1.1k, 1.3k, 1.6k, 2k, 2.4k, 3k, 3.6k, 4.3k, 5.1k, 6.2k, 7.5k, 9.1k, 11k, 13k, 16k, 20k, 24k, 30k, 36k, 43k, 51k, 62k, 75k, 91k, 110k, 130k, 160k, 200k, 240k, 300k, 360k, 430k, 510k, 620k, 750k, 910k, 1.5M	164.95
370-290-1-RC	1/8W, 1%	1206	10-806	100	10, 11, 12.1, 12.4, 13, 14, 15, 16.2, 16.9, 17.8, 18.2, 19.1, 20, 22.1, 24.9, 26.1, 27.4, 30.1, 31.6, 33.2, 34, 40.2, 42.2, 43.2, 46.4, 47.5, 49.9, 51.1, 54.9, 56.2, 60.4, 61.9, 68.1, 75, 78.7, 82.5, 90.9, 93.1, 97.6, 100, 105, 110, 118, 121, 124, 127, 130, 140, 150, 162, 182, 200, 205, 215, 221, 237, 243, 249, 255, 261, 267, 274, 287, 294, 300, 301, 316, 332, 365, 374, 383, 392, 402, 432, 442, 464, 475, 499, 511, 523, 562, 590, 604, 619, 634, 649, 681, 715, 750, 806	219.95
370-290-2-RC	1/8W, 1%	1206	825-17.4k	100	825, 866, 887, 953, 1.0k, 1.02k, 1.05k, 1.07k, 1.21k, 1.3k, 1.33k, 1.37k, 1.4k, 1.47k, 1.5k, 1.58k, 1.62k, 1.65k, 1.69k, 1.74k, 1.82k, 1.96k, 2.0k, 2.05k, 2.21k, 2.32k, 2.43k, 2.49k, 2.67k, 2.74k, 2.8k, 2.87k, 2.94k, 3.0k, 3.01k, 3.09k, 3.16k, 3.24k, 3.32k, 3.4k, 3.48k, 3.57k, 3.83k, 3.92k, 4.02k, 4.12k, 4.22k, 4.32k, 4.53k, 4.64k, 4.75k, 4.87k, 4.99k, 5.11k, 5.36k, 5.62k, 5.76k, 6.34k, 6.49k, 6.65k, 6.81k, 6.98k, 7.32k, 7.5k, 7.68k, 7.87k, 8.06k, 8.25k, 8.66k, 9.09k, 9.53k, 10k, 10.2k, 10.5k, 10.7k, 11k, 11.8k, 12.1k, 12.4k, 13k, 13.3k, 13.7k, 14k, 14.3k, 14.7k, 15.4k, 16.2k, 16.5k, 16.9k, 17.4k	219.95
370-290-3-RC	1/8W, 1%	1206	18.2k-1M	100	18.2k, 18.7k, 20k, 20.5k, 21k, 22.1k, 23.7k, 24.3k, 24.9k, 25.5k, 26.1k, 27.4k, 28k, 29.4k, 30k, 30.1k, 31.6k, 32.4k, 33.2k, 34.8k, 35.7k, 36.5k, 39.2k, 40.2k, 42.2k, 43.2k, 44.2k, 45.3k, 46.4k, 47.5k, 48.7k, 49.9k, 51.1k, 52.3k, 57.6k, 59k, 60.4k, 61.9k, 64.9k, 66.5k, 68.1k, 69.8k, 71.5k, 73.2k, 75k, 80.6k, 82.5k, 86.6k, 90.9k, 95.3k, 100k, 102k, 113k, 115k, 118k, 121k, 127k, 130k, 137k, 150k, 158k, 162k, 165k, 169k, 182k, 200k, 210k, 221k, 232k, 249k, 267k, 300k, 332k, 374k, 402k, 453k, 475k, 499k, 511k, 549k, 590k, 649k, 681k, 698k, 715k, 750k, 887k, 909k, 953k, 1.0M	219.95
370-292-1-RC	1/10W, 1%	0805	10-1.02k	100	10, 11, 11.8, 12.1, 12.4, 15, 20, 22.1, 22.6, 24.9, 30.1, 32.4, 33.2, 39.2, 40.2, 41.2, 43.2, 46.4, 47.5, 49.9, 51.1, 54.9, 59, 60.4, 68.1, 69.8, 75, 82.5, 95.3, 100, 107, 110, 113, 121, 124, 130, 137, 140, 143, 150, 158, 162, 169, 174, 182, 187, 200, 205, 221, 226, 243, 249, 261, 267, 274, 280, 287, 294, 300, 301, 324, 332, 340, 357, 365, 374, 383, 392, 402, 422, 432, 464, 475, 487, 499, 511, 549, 562, 590, 604, 665, 681, 715, 750, 768, 825, 866, 909, 1k, 1.02k	199.95
370-292-2-RC	1/10W, 1%	0805	1.07k-20k	100	1.07k, 1.1k, 1.13k, 1.15k, 1.21k, 1.27k, 1.3k, 1.43k, 1.5k, 1.62k, 1.65k, 1.74k, 1.78k, 1.82k, 1.96k, 2k, 2.05k, 2.1k, 2.21k, 2.43k, 2.49k, 2.55k, 2.61k, 2.67k, 2.74k, 2.8k, 2.87k, 3.0k, 3.01k, 3.09k, 3.16k, 3.24k, 3.32k, 3.48k, 3.57k, 3.65k, 3.74k, 3.83k, 3.92k, 4.02k, 4.12k, 4.42k, 4.53k, 4.64k, 4.75k, 4.87k, 4.99k, 5.11k, 5.49k, 5.62k, 5.76k, 5.9k, 6.04k, 6.19k, 6.34k, 6.49k, 6.65k, 6.81k, 7.15k, 7.32k, 7.5k, 8.06k, 8.25k, 8.45k, 9.09k, 9.76k, 10k, 10.2k, 10.5k, 10.7k, 11k, 11.3k, 11.5k, 11.8k, 12.1k, 12.4k, 12.7k, 13k, 13.3k, 14k, 14.3k, 14.7k, 15k, 15.4k, 16.2k, 16.5k, 17.4k, 19.1k, 19.6k, 20k	199.95
370-292-3-RC	1/10W, 1%	0805	20.5k-1M	100	20.5k, 21k, 21.5k, 22.1k, 22.6k, 23.2k, 24.3k, 24.9k, 25.5k, 26.1k, 26.7k, 27.4k, 28k, 28.7k, 30k, 30.1k, 33.2k, 34k, 34.8k, 35.7k, 36.5k, 37.4k, 38.3k, 39.2k, 40.2k, 41.2k, 42.2k, 43.2k, 44.2k, 45.3k, 47.5k, 48.7k, 49.9k, 51.1k, 56.2k, 57.6k, 59k, 60.4k, 61.9k, 64.9k, 66.5k, 68.1k, 69.8k, 71.5k, 73.2k, 75k, 78.7k, 80.6k, 82.5k, 84.5k, 86.6k, 88.7k, 90.9k, 93.1k, 97.6k, 100k, 102k, 105k, 110k, 113k, 115k, 121k, 124k, 150k, 162k, 200k, 205k, 221k, 249k, 274k, 300k, 332k, 383k, 392k, 402k, 422k, 453k, 475k, 499k, 511k, 562k, 604k, 619k, 681k, 825k, 845k, 887k, 909k, 976k, 1.0M	199.95
370-301-1-RC	1/16W, 5%	0603	10-2M	100	10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820, 1.0K, 1.2K, 1.5K, 1.8K, 2.2K, 2.7K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 12K, 15K, 18K, 22K, 27K, 33K, 39K, 47K, 56K, 68K, 82K, 100K, 120K, 150K, 180K, 220K, 270K, 330K, 390K, 470K, 560K, 680K, 820K, 1.0M, 2.0M	188.95
370-301-2-RC	1/16W, 5%	0603	11-1.5M	100	11, 13, 16, 20, 24, 30, 36, 43, 51, 62, 75, 91, 110, 130, 160, 200, 240, 300, 360, 430, 510, 620, 750, 910, 1.1K, 1.3K, 1.6K, 2.0K, 2.4K, 3.0K, 3.6K, 4.3K, 5.1K, 6.2K, 7.5K, 9.1K, 11K, 13K, 16K, 20K, 24K, 30K, 36K, 43K, 51K, 62K, 75K, 91K, 110K, 130K, 160K, 200K, 240K, 300K, 360K, 430K, 510K, 620K, 750K, 910K, 1.5M	188.95
371-27BAAB-RC	1/8W, 1%	1206	51.1-324	30	51.1, 52.3, 53.6, 54.9, 56.2, 57.6, 59, 60.4, 61.9, 63.4, 64.9, 66.5, 68.1, 69.8, 71.5, 73.2, 75, 76.8, 78.7, 80.6, 82.5, 84.5, 86.6, 88.7, 90.9, 93.1, 95.3, 97.6, 100, 102, 105, 107, 110, 113, 115, 118, 121, 124, 127, 130, 133, 137, 140, 143, 147, 150, 154, 158, 162, 165, 169, 174, 178, 182, 187, 191, 196, 200, 205, 210, 215, 221, 226, 232, 237, 243, 249, 255, 280, 287, 294, 300, 301, 309, 316, 324	188.95

RoHS Compliant Prototype Kits

NETWORK RESISTORS

MOUSER STOCK NO.	Type	Case Size	Range	Pieces of Each Value	Description	Price Each
370-264-1-RC	Com. Buss, 2%	6 Pin	100-1M	20	100, 150, 220, 270, 330, 470, 680, 1k, 2.2k, 3.3k, 4.7k, 5.6k, 6.8k, 10k, 22k, 47k, 100k, 1M	29.95
370-265-1-RC	Com. Buss, 2%	8 Pin	100-1M	20	100, 150, 220, 270, 330, 470, 680, 1k, 2.2k, 3.3k, 4.7k, 5.6k, 6.8k, 10k, 22k, 47k, 100k, 1M	39.95
370-266-1-RC	Com. Buss, 2%	10 Pin	100-1M	20	100, 150, 220, 270, 330, 470, 680, 1k, 2.2k, 3.3k, 4.7k, 5.6k, 6.8k, 10k, 22k, 47k, 100k, 1M	49.95
370-267-1-RC	Isolated, 2%	6 Pin	100-1M	20	100, 150, 220, 270, 330, 470, 680, 1k, 2.2k, 3.3k, 4.7k, 5.6k, 6.8k, 10k, 22k, 47k, 100k, 1M	29.95
370-268-1-RC	Isolated, 2%	8 Pin	100-1M	20	100, 150, 220, 270, 330, 470, 680, 1k, 2.2k, 3.3k, 4.7k, 5.6k, 6.8k, 10k, 22k, 47k, 100k, 1M	39.95
370-269-1-RC	Isolated, 2%	10 Pin	100-1M	20	100, 150, 220, 270, 330, 470, 680, 1k, 2.2k, 3.3k, 4.7k, 5.6k, 6.8k, 10k, 22k, 47k, 100k, 1M	49.95

METAL OXIDE RESISTORS

MOUSER STOCK NO.	Type	Range	Pieces of Each Value	Description	Price Each
370-261-1	1W, 5%	5 - 100	100	.5, .68, .82, 1.0, 1.5, 2.0, 3.0, 4.7, 5.6, 6.8, 8.2, 9.1, 10, 15, 20, 30, 39, 47, 51, 68, 75, 82, 91, 100 (values for both 370-261-1 and 370-262-1)	34.95
370-261-2	1W, 5%	110 - 1.0K	100	110, 120, 130, 150, 160, 180, 200, 220, 240, 270, 300, 330, 360, 390, 430, 470, 510, 560, 620, 680, 750, 820, 910, 1.0K (values for both 370-261-2 and 370-262-2)	34.95
370-261-3	1W, 5%	1.1K - 68K	100	1.1K, 1.5K, 2K, 2.7K, 3K, 3.9K, 4.7K, 5.1K, 6.2K, 7.5K, 8.2K, 9.1K, 10K, 15K, 20K, 27K, 30K, 33K, 39K, 47K, 51K, 62K, 68K (values for both 370-261-3 and 370-262-3)	34.95
370-262-1	2W, 5%	5 - 100	100	.5, .68, .82, 1.0, 1.5, 2.0, 3.0, 4.7, 5.6, 6.8, 8.2, 9.1, 10, 15, 20, 30, 39, 47, 51, 68, 75, 82, 91, 100 (values for both 370-261-1 and 370-262-1)	39.95
370-262-2	2W, 5%	110 - 1.0K	100	110, 120, 130, 150, 160, 180, 200, 220, 240, 270, 300, 330, 360, 390, 430, 470, 510, 560, 620, 680, 750, 820, 910, 1.0K (values for both 370-261-2 and 370-262-2)	39.95
370-262-3	2W, 5%	1.1K - 68K	100	1.1K, 1.5K, 2K, 2.7K, 3K, 3.9K, 4.7K, 5.1K, 6.2K, 7.5K, 8.2K, 9.1K, 10K, 15K, 20K, 27K, 30K, 33K, 39K, 47K, 51K, 62K, 68K (values for both 370-261-3 and 370-262-3)	39.95

SMALL BODY METAL OXIDE RESISTORS

MOUSER STOCK NO.	Type	Range	Pieces of Each Value	Description	Price Each
370-281-1	1W, 5%	.5-100	10	0.5, 0.68, 0.82, 1, 1.5, 2, 3, 4.7, 5.6, 6.8, 8.2, 9.1, 10, 15, 20, 30, 39, 47, 51, 68, 75, 82, 91, 100	29.95
370-281-2	1W, 5%	110-1k	10	110, 120, 130, 150, 160, 180, 200, 220, 240, 270, 300, 330, 360, 390, 430, 470, 510, 560, 620, 680, 750, 820, 910, 1k	29.95
370-281-3	1W, 5%	1.1k-68k	10	1.1K, 1.5K, 2.0K, 2.7K, 3.0K, 3.9K, 4.7K, 5.1K, 6.2K, 7.5K, 8.2K, 9.1K, 10K, 15K, 20K, 27K, 30K, 33K, 39K, 47K, 51K, 56K, 62K, 68K	29.95
370-282-1	2W, 5%	.5-100	10	0.5, 0.68, 0.82, 1, 1.5, 2, 3, 4.7, 5.6, 6.8, 8.2, 9.1, 10, 15, 20, 30, 39, 47, 51, 68, 75, 82, 91, 100	35.95
370-282-2	2W, 5%	110-1k	10	110, 120, 130, 150, 160, 180, 200, 220, 240, 270, 300, 330, 360, 390, 430, 470, 510, 560, 620, 680, 750, 820, 910, 1.0k	35.95
370-282-3	2W, 5%	1.1k-68k	10	1.1K, 1.5K, 2.0K, 2.7K, 3.0K, 3.9K, 4.7K, 5.1K, 6.2K, 7.5K, 8.2K, 9.1K, 10K, 15K, 20K, 27K, 30K, 33K, 39K, 47K, 51K, 56K, 62K, 68K	35.95

METAL FILM RESISTORS

MOUSER STOCK NO.	Type	Range	Pieces of Each Value	Description	Price Each
370-270-1	1/8W, 1%, 100ppm	4.02-1k	10	4.02, 10, 20, 30, 39, 47, 51, 68, 100, 120, 160, 200, 220, 270, 300, 330, 390, 430, 560, 620, 750, 820, 910, 1K	29.95
370-270-2	1/8W, 1%, 100ppm	1.1K-100k	10	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	29.95
370-270-3	1/8W, 1%, 100ppm	110K-1M	10	110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 270K, 300K, 330K, 390K, 430K, 470K, 499K, 560K, 620K, 680K, 750K, 820K, 845K, 910K, 953K, 1M	29.95
370-271-1	1/4W, 1%, 50ppm	4.02-1k	10	4.02, 10, 20, 30, 39, 47, 51, 68, 100, 120, 160, 200, 220, 270, 300, 330, 390, 430, 560, 620, 750, 820, 910, 1K	29.95
370-271-2	1/4W, 1%, 50ppm	1.1K-100k	10	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	29.95
370-271-3	1/4W, 1%, 50ppm	110K-1M	10	110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 270K, 300K, 330K, 390K, 430K, 470K, 499K, 560K, 620K, 680K, 750K, 820K, 845K, 910K, 953K, 1M	29.95
370-273-1	1/2W, 1%	4.02-1K	10	4.02, 10, 20, 30, 39, 47, 51, 68, 100, 120, 160, 200, 220, 270, 300, 330, 390, 430, 560, 620, 750, 820, 910, 1K	34.95
370-273-2	1/2W, 1%	1.1K-100K	10	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	34.95
370-273-3	1/2W, 1%	430K-1M	10	430K, 470K, 499K, 560K, 620K, 680K, 750K, 820K, 845K, 910K, 953K, 1M	34.95
370-270-C	1/8W, 1%, 50ppm	4.75-1M	1000	4.75, 10, 20, 30, 39, 47, 51, 68, 100, 120, 160, 200, 220, 270, 300, 330, 390, 430, 560, 620, 750, 820, 910, 1K, 1.1K, 1.5K, 1.8K, 2K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K, 110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 270K, 300K, 330K, 390K, 430K, 470K, 499K, 560K, 620K, 680K, 750K, 820K, 845K, 910K, 953K, 1.0M	299.95
370-271-C	1/4W, 1%, 50ppm	10-1M	1000	10, 12, 20, 30, 39, 47, 51, 68, 100, 120, 160, 200, 220, 270, 300, 330, 390, 430, 560, 620, 750, 820, 910, 1K, 1.1K, 1.5K, 1.8K, 2K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K, 110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 270K, 300K, 330K, 390K, 430K, 470K, 499K, 560K, 620K, 680K, 750K, 820K, 845K, 910K, 953K, 1.0M	329.95
370-273-C	1/2W, 1%, 50ppm	4.02-1M	1000	4.02, 10, 20, 30, 39, 47, 51, 68, 100, 120, 160, 200, 220, 270, 300, 330, 390, 430, 560, 620, 750, 820, 910, 1K, 1.1K, 1.5K, 1.8K, 2K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K, 110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 270K, 300K, 330K, 390K, 430K, 470K, 499K, 560K, 620K, 680K, 750K, 820K, 845K, 910K, 953K, 1.0M	399.95

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CARBON FILM RESISTORS

MOUSER STOCK NO.	Type	Range	Pieces of Each Value	Description	Price Each
370-291-1	1/4W, 5%	1.2-1k	10	1, 2, 3, 4.7, 5.6, 7.5, 8.2, 10, 12, 15, 20, 27, 47, 68, 75, 100, 200, 300, 430, 560, 680, 750, 820, 1K	18.95
370-291-1C	1/4W, 5%	1.2-1k	200	1, 2, 3, 4.7, 5.6, 7.5, 8.2, 10, 12, 15, 20, 27, 47, 68, 75, 100, 200, 300, 430, 560, 680, 750, 820, 1K	46.95
370-291-2	1/4W, 5%	1.1k-100k	10	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	18.95
370-291-2C	1/4W, 5%	1.1k-100k	2000	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	46.95
370-291-3	1/4W, 5%	110k-10M	10	110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 2M, 3.3M, 3.9M, 4.7M, 5.6M, 6.8M, 8.2M, 10M	18.95
370-291-3C	1/4W, 5%	110k-10M	2000	110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 2M, 3.3M, 3.9M, 4.7M, 5.6M, 6.8M, 8.2M, 10M	46.95
370-291-C	1/4W, 5%	1-10M	2000	1, 2, 3, 4.7, 5.6, 7.5, 8.2, 10, 12, 15, 20, 27, 47, 68, 75, 100, 200, 300, 430, 560, 680, 750, 820, 1K, 1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K, 110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 2M, 3.3M, 3.9M, 4.7M, 5.6M, 6.8M, 8.2M, 10M	139.95
370-293-1	1/2W, 5%	2.2-1K	10	2.2, 2.4, 3, 4.7, 5.6, 7.5, 8.2, 10, 13, 15, 20, 27, 47, 68, 75, 100, 200, 300, 430, 560, 680, 750, 820, 1K	23.95
370-293-1C	1/2W, 5%	33-470K	200	33, 47, 100, 150, 330, 470, 560, 680, 1K, 2.2K, 3.3K, 4.7K, 5.6K, 10K, 22K, 47K, 75K, 100K, 150K, 180K, 220K, 330K, 470K	74.95
370-293-2	1/2W, 5%	1.1k-100k	10	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	23.95
370-293-2C	1/2W, 5%	1.1k-100k	2000	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	74.95
370-293-3	1/2W, 5%	110k-3.3M	10	110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 1.1M, 1.3M, 1.5M, 1.6M, 1.8M, 2M, 2.2M, 3.3M	23.95
370-293-3C	1/2W, 5%	110k-3.3M	200	110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 1.1M, 1.3M, 1.5M, 1.6M, 1.8M, 2M, 2.2M, 3.3M	74.95
370-293-3	1/2W, 5%	110k-3.3M	10	110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 1.1M, 1.3M, 1.5M, 1.6M, 1.8M, 2M, 2.2M, 3.3M	23.95
370-293-3C	1/2W, 5%	110k-3.3M	200	110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 1.1M, 1.3M, 1.5M, 1.6M, 1.8M, 2M, 2.2M, 3.3M	74.95
370-293-C	1/2W, 5%	2.2-3.3M	2000	2.2, 2.4, 3, 4.7, 5.6, 7.5, 8.2, 10, 13, 15, 20, 27, 47, 68, 75, 100, 200, 300, 430, 560, 680, 750, 820, 1K, 1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K, 110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 1.1M, 1.3M, 1.5M, 1.6M, 1.8M, 2M, 2.2M, 3.3M	217.95
370-294-1	1W, 5%	2.2-1K	10	2.2, 3.3, 4.7, 5.6, 6.8, 8.2, 10, 15, 27, 39, 47, 56, 68, 82, 100, 150, 220, 270, 330, 470, 560, 680, 820, 1K	29.95
370-294-2	1W, 5%	1.2K-100K	10	1.2K, 1.5K, 1.8K, 2.2K, 2.7K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 12K, 15K, 18K, 22K, 27K, 33K, 39K, 47K, 56K, 68K, 82K, 100K	29.95
370-294-2C	1W, 5%	1.2K-100K	1000	1.2K, 1.5K, 1.8K, 2.2K, 2.7K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 12K, 15K, 18K, 22K, 27K, 33K, 39K, 47K, 56K, 68K, 82K, 100K	114.95
370-294-C	1W, 5%	2.2-100K	1000	2.2, 3.3, 4.7, 5.6, 6.8, 8.2, 10, 15, 27, 39, 47, 56, 68, 82, 100, 150, 220, 270, 330, 470, 560, 680, 820, 1K, 1.2K, 1.5K, 1.8K, 2.2K, 2.7K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 12K, 15K, 18K, 22K, 27K, 33K, 39K, 47K, 56K, 68K, 82K, 100K	229.95
370-299-1	1/8W, 5%	1-82	10	1, 1.2, 1.5, 1.8, 2.2, 2.7, 3.3, 3.9, 4.7, 5.6, 6.8, 8.2, 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82	19.95
370-299-2	1/8W, 5%	100-8.2k	10	100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820, 1K, 1.2K, 1.5K, 1.8K, 2.2K, 2.7K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K	19.95
370-299-3	1/8W, 5%	10k-820k	10	10K, 12K, 15K, 18K, 22K, 27K, 33K, 39K, 47K, 56K, 68K, 82K, 100K, 120K, 150K, 180K, 220K, 270K, 330K, 390K, 470K, 560K, 680K, 820K	19.95
370-299C	1/8W, 5%	1-4.7M	200	1, 1.1, 1.2, 1.3, 1.5, 1.6, 1.8, 2, 2.2, 2.4, 2.7, 3, 3.3, 3.6, 3.9, 4.3, 4.7, 5.1, 5.6, 6.2, 6.8, 7.5, 8.2, 9.1, 10, 11, 12, 13, 15, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 43, 47, 51, 56, 62, 68, 75, 82, 91, 100, 110, 120, 130, 150, 160, 180, 200, 220, 240, 270, 300, 330, 360, 390, 430, 470, 510, 560, 620, 680, 750, 820, 910, 1K, 1.1K, 1.2K, 1.3K, 1.5K, 1.6K, 1.8K, 2K, 2.2K, 2.4K, 2.7K, 3K, 3.2K, 3.3K, 3.6K, 3.9K, 4.3K, 4.7K, 5.1K, 5.6K, 6.2K, 6.8K, 7.5K, 8.2K, 9.1K, 10K, 11K, 12K, 13K, 15K, 16K, 18K, 20K, 22K, 24K, 27K, 30K, 33K, 36K, 39K, 43K, 47K, 51K, 56K, 62K, 68K, 75K, 82K, 91K, 100K, 110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 240K, 270K, 300K, 330K, 360K, 390K, 430K, 470K, 510K, 560K, 620K, 680K, 750K, 820K, 910K, 1M, 1.1M, 1.2M, 1.3M, 1.5M, 1.6M, 1.8M, 2M, 2.2M, 2.4M, 2.7M, 3.0M, 3.3M, 3.6M, 3.9M, 4.3M, 4.7M	279.95

PROTOTYPING KIT HARDWARE

MOUSER STOCK NO.	Type	Pieces in Each Kit	Description	Price Each
534-1721	Keystone Stacking Tool Kit	6	2 1/4 stacking tools, 2 bottom anvils, 1 tool holder, 1 instruction	23.51
534-4732	Keystone TO-3 Transistor Mnt.	4	2 #6-20 screws, 1 mica insulator, 1 Stock No. 534-4602 transistor socket	1.70
534-4734	Keystone TO-3 Transistor Mnt.	8	2 #6-20 screws, 1 mica insulator, 4 nylon bushings, 1 Stock No. 534-4606 transistor socket	1.86
534-4616	Keystone Transistor Mount	1	Nylon power transistor mount only for TO-3	.18
534-4725	Keystone TO-3 Transistor Mount	12	**1 ea.:** mica insulator, solder terminal; **2 ea.:** #6-32 screws, shoulder washers, metal washers	1.13
534-4729	Keystone Transistor Mount	5	For DO-4, TO-59, TO-60, TO-62 - **1 each:** mica insulator, shoulder washer, solder terminal, lockwasher, #10-32 nut+D97	1.13
534-4730	Keystone Transistor Mount	5	For DO-5, TO-48, TO-61 - **1 ea.:** mica insulator, shoulder washer, solder terminal, lockwasher, 1/4-28 nut	1.13
534-4724	KeystoneTO-220 Transistor Mnt.	5	**1 each:** #4-40 screw, mica insulator, shoulder washer, lockwasher, #4-40 nut	1.13
561-M1991	Eagle Plastic Devices Transistor Hardware, Nylon	180	**20 each:** capacitor mounts - 561-F001, 561-F002, 561-F003 assortment of 14styles of standard and heavy duty power transistor mounts for TO-3 and TO-66	30.64
561-M1992	Eagle Plastic Devices Spacers/Standoffs, Nylon	290	**30 each:** hex spacers - tapped 440, 632, 832 diameter ,1/4" to **1" long; 35 each:** round spacers - tapped 440, 632, 832, 1032, 1/4-20, 1/4", 5/16", 3/8", 1/" diameter, 1/4" to 1" long; **45 each:** hex male/female standoffs - threaded 440, 632, 832 diameter,1/4" to 1" long; **80 each:** hex spacers - plain 1/4" to 1" long; **100 each:** round spacers - plain 3/16", 1/4", 3/8", 1/2" diameters, 1/8" to 1" long	50.46
561-M1993	Eagle Plastic Devices Shoulder Washers, Nylon	320	**10 each:** 5/16 screw insulators; **25 each:** #6, #8, #10, 1/4 screw insulators; **30 each:** #2, #4 screw insulators; **150 each:** shoulder washers .093 to 1/4" ID .125 to .500 OD	30.64
561-M1994	Eagle Plastic Devices PCB Posts, Nylon	735	**40 each:** 561-A0750; **50 each:** 561-A0625; **60 each:** 561-A0500; **65 each:** 561-A1000; **70 each:** 561-A0437; **80 each:** 561-A0375; **95 each:** 561-A0312; **100 each:** 561-A0125, 561-A0250	50.46
561-M1995	Eagle Plastic Devices Cable Clips, Nylon	140	Adhesive backed clips - **4 each:** 1/2" single, 1/2" double; **6 each:** 3/8" single, 3/8" double; **10 each:** 1/4" single, 1/4" double; **12 each:** 1/8" single, 1/8" double Heavy duty clips - **6 each:** 1/2"; **12 each:** 1/8", 3/16", 1/4", 5/16", 3/8", 7/16"	30.64
561-M1996	Eagle Plastic Devices Cable Clamps, Nylon	300	**3 each:** 1 1/4" x 1/2", 1 1/2" x 1/2"; **5 each:** 1" x 1/2"; **10 each:** 1/2" x 1/2", 9/16" x 1/2", 5/8" x 1/2",3/4" x 1/2"; **15 each:** 5/16" x 1/2", 3/8" x 1/2", 7/16" x 1/2"; **20 each:** 5/16" x 3/8", 3/8" x 3/8", 7/16" x 3/8", 1/2" x 3/8"; **25 each:** 3/16" x 1/2", 1/4" x 1/2", 1/4" x 3/8"; **40 each:** 1/8" x 1/8"	50.46
561-M1997	Eagle Plastic Devices Flat Washers, Nylon	510	**20 each:** 1/2"; **40 each:** 3/8"; **50 each:** #2; **60 each:** #4, #6, #8, #10, 1/4"; **100 each:** 9/16" to 3/4"	30.64
561-M1998	Eagle Plastic Devices Screws and Nuts, Nylon	755	**100 each:** 440 x 1/4" to 1" long assorted headstyles 623 x 1/4" to 5/8" long assorted headstyles 832 x 1/4" to 3/4" long assorted headstyles 1032 x 1/4" to 1/2" long assorted headstyles 440, 632, 832, 1032, 1/4-20 socket set screws 440, 632, 832, 1032, 1/4-20 hex nuts; **30 each:** 1/4-20 x 1/4" to 3/4" long round and fillister head; **125 each:** #4, #6, #8, #10, 1/4 flat washer	50.46
561-M1999	Eagle Plastic Devices Strain Relief	108	**2 each:** 561-MP7W2, 561-30-1; **4 each:** 561-MP6N4; **6 each:** 561-MP6P34; **8 each:** 561-MP14L1, MP15L1; **10 each:** 561-MP4K4, 561-MP4N4, 561-MP5P4; **12 each:** 561-MP6W1; **16 each:** 561-MP3P4; **20 each:** 561-MP2M4	30.64

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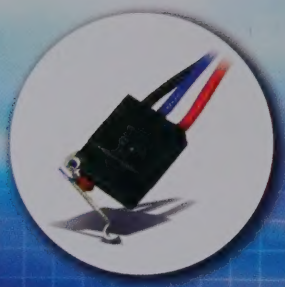
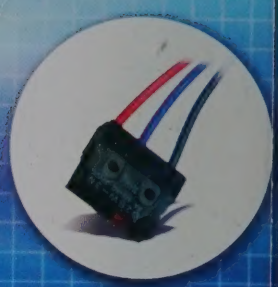

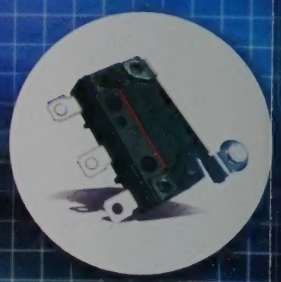
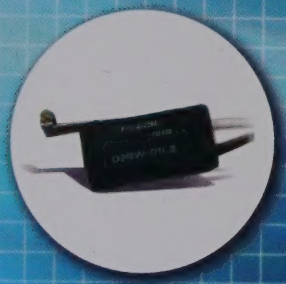
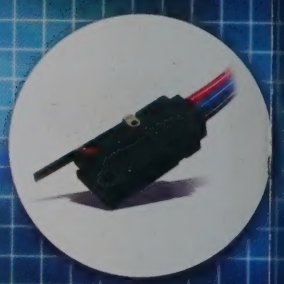
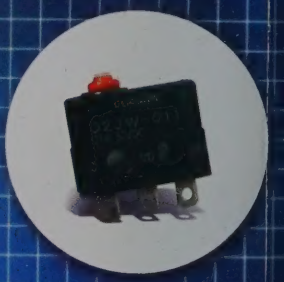

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